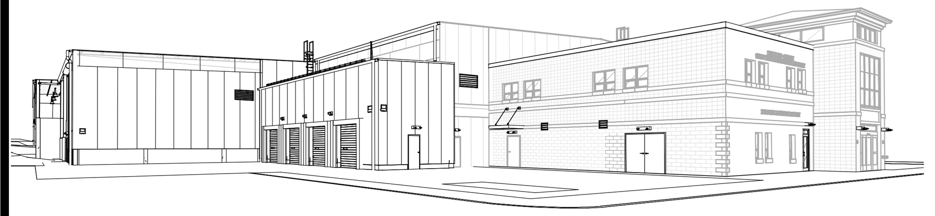
ROCKLAND GREEN MRF FACILITY IMPROVEMENTS

CONTRACT NO. 2 GENERAL CONSTRUCTION

420 TORNE VALLEY ROAD HILLBURN NY 10931



Reduce Recycle Recover

OWNER:

RRT Engineering, LLC
1 Huntington Quadrangle, 3S01
Melville, N.Y. 11747
ph: 631-756-1060
fax: 631-756-1064

OWNER ENGINEER:

ANDERSON DESIGN GROUP
25 WALLKILL AVE • MONTGOMERY • NY 12549
O. 845.294.2724 | CONTACT@ADGARCHITECT.COM
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ARCHITECT:

martinrogers ENGINEERING CONSULTANTS
185 N Pennsylvania Ave. wilkes-Barre, PA 18701
t.570826.1000 | f.570.825.0888 | www.mrapc.com.

MECHANICAL, ELECTRICAL AND PLUMBING ENGINEER:

STERLING
Sterling Environmental Engineering, P.C.

CIVIL ENGINEER:

LEGEND:

EXISTING CONSTRUCTION TO REMAIN	Room name 101 150 SF	ROOM DESIGNATION TAG
EXISTING CONSTRUCTION TO BE REMOVED	1	WALL TYPE TAG
NEW WALL	A	WINDOW TAG
	PR-1	FINISH TAG
EXISTING DOOR TO REMAIN	88.888.88	KEY NOTE
NEW DOOR	A101 Ref	ELEVATION TAG
EXISTING DOOR TO BE REMOVED		
DOOR TAG (101)	1 A101 SIM	WALL/BUILDING SECTION CUT
DETAIL TAG (1 A101 SIM)		

ABBREVIATIONS:

AB.	ANCHOR BOLT	MAT.	MATERIAL
A.C.T.	ACOUSTICAL CEILING TILE	MAX.	MAXIMUM
A.F.F.	ABOVE FINISH FLOOR	MECH.	MECHANICAL
APPX.	APPROXIMATE	MIN.	MINIMUM
ARCH.	ARCHITECT	MIR.	MIRROR
BSMT.	BASEMENT	MISC.	MISCELLANEOUS
BM	BEAM	MTL	METAL
BD	BOARD	NOM.	NOMINAL
BOT.	BOTTOM	N.T.S	NOT TO SCALE
BLDG.	BUILDING	O.C.	ON CENTER
CAB.	CABINET	O.H.	OVERHEAD
CLG.	CEILING	PTD.	PAINTED
C.T.	CERAMIC TILE	P. LAM.	PLASTIC LAMINATE
CIR.	CIRCLE	PL.	PLATE
COL	COLUMN	P.S.F.	POUNDS PER SQ. FOOT
C.J.	CONTROL JOINT	P.S.I.	POUNDS PER SQ. INCH.
CORR.	CORRIDOR	PREFAB	PREFABRICATED
D.L.	DEAD LOAD	P.T.	PRESSURE TREATED (WOOD)
DTL.	DETAIL	RAD.	RADIUS
DIAM.	DIAMETER	RLG.	RAILING
DIM.	DIMENSION	REF.	REFRIGERATOR
D.W.	DISHWASHER	REINF.	REINFORCE(ED), (ING)
D.H.	DOUBLE HUNG	REV.	REVIS(ION), (E), (ED)
D.S.	DOWNSPOUT	R.	RISER
DWG.	DRAWING	RFG.	ROOFING
ELEC.	ELECTRICAL	RM.	ROOM
ELEV.	ELEVATION	SEC.	SECTION
EQ.	EQUAL	SHTHG.	SHEATHING
EXIST.	EXISTING	SHT.	SHEET
EXT.	EXTERIOR	SIM	SIMILAR
E.I.F.S	EXTERIOR INSULATED FINISH SYSTEM	S.C.	SOLID CORE
		SPEC.	SPECIFICATION
FIN.	FINISH	SQ.	SQUARE
F.P.	FIREPLACE	STD.	STANDARD
FLR	FLOOR	STO.	STORAGE
F.D.	FLOOR DRAIN	STRL.	STRUCTURAL
FTG.	FOOTING	THK	THICKNESS
FND.	FOUNDATION	THR.	THRESHOLD
FUR.	FURRED	T&G	TONGUE AND GROOVE
G.C.	GENERAL CONTRACTOR	T.O.C.	TOP OF CONCRETE
GL.	GLASS, GLAZING	T.O.B.	TOP OF BEAM
GYP.BD	GYPSUM BOARD	T.O.F.	TOP OF FOUNDATION
HDW.	HARDWARE	T.O.P.	TOP OF PLATE
HDR.	HEADER	TR	TREAD
HTG.	HEATING	TYP.	TYPICAL
HVAC	HEATING/VENTALATION/AIR CONDITIONING	UNF.	UNFINISHED
		U.O.N.	UNLESS OTHERWISE NOTED
HGT.	HEIGHT	V.B.	VAPOR BARRIER
HORZ.	HORIZONTAL	VERT.	VERTICAL
HB.	HOSE BIBB	V.I.F.	VERIFY
INS.	INSULAT(ED), (ION)	W.C.	WATER CLOSET
JT.	JOINT	W.P.	WATER PROOFING
JST.	JOIST	W.R.	WATER RESISTANT
KIT	KITCHEN	WWF.	WELDED WIRE FABRIC
LAV.	LAVATORY	WN.	WINDOW
LT.	LIGHT	W/O	WITHOUT
L.L.	LIVE LOAD	WD.	WOOD
MFR.	MANUFACTURE(R)		
MAS.	MASONRY		

SHEET LIST TABLE

SHT.	SHEET TITLE	DRAWING DATE	100% CONSTRUCTION DOCUMENT	REVISION HISTORY A 07/06/21	B 07/23/21	C 08/18/21	Rev. #	CURRENT REVISION DATE	DESCRIPTION	ISSUED (Y/N)
ARCHITECTURAL										
A-001	TITLE SHEET	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-002	STAGING/SCOPING PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-100	CODE SHEET	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-101	OCCUPANCY DIAGRAMS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-102	OVERALL FIRST FLOOR LIFE SAFETY PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-103	ENLARGED FIRST FLOOR OFFICE LIFE SAFETY PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-104	ENLARGED SECOND FLOOR LIFE SAFETY PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-105	LIFE SAFETY SECTION	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-106	ACCESSIBLE TYPICAL DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
AE-200	EXISTING OVERALL FIRST FLOOR PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
AE-201	ENLARGED EXISTING OFFICE FLOOR PLANS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
AE-202	EXISTING FIRST FLOOR RCP	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
AE-203	EXISTING ENLARGED OFFICE REFLECTED CEILING PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
AE-204	EXISTING ROOF PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
AE-300	EXISTING SOUTH & EAST EXT. ELEVATION	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
AE-301	EXISTING NORTH & WEST EXT. ELEVATION	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
AE-400	EXISTING BUILDING SECTIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
AD-200	FIRST FLOOR DEMO PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
AD-201	ENLARGED OFFICE DEMO PLANS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
AD-202	REFLECTED CLG. DEMO PLANS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
AD-203	ROOF DEMO PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
AD-300	DEMO SOUTH & EAST EXT. ELEVATION	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
AD-301	DEMO NORTH & WEST EXT. ELEVATION	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-200	TYPICAL WALL TYPES	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-201	FIRST FLOOR COORDINATED PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-202	SECOND FLOOR COORDINATED PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-203	OVERALL FIRST FLOOR PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-204	OVERALL SECOND FLOOR PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-205	ENLARGED FIRST FLOOR OFFICE PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-206	ENLARGED SECOND FLOOR OFFICE PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-207	OVERALL FIRST FLOOR REFLECTED CEILING PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-208	ENLARGED FIRST FLR. OFFICE REFLECTED CEILING PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-209	OVERALL SECOND FLOOR REFLECTED CEILING PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-210	ENLARGE SECOND FLR. OFFICE REFLECTED CLG. PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-211	ENLARGED TOILET PLANS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-212	OVERALL ROOF PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-213	ENLARGED OFFICE ROOF PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-300	OVERALL WEST, EAST & NORTH ELEVATIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-301	ENLARGED NORTH & WEST EXTERIOR OFFICE ELEVATIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No

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A-302	ENLARGED SOUTH & EAST EXTERIOR OFFICE ELEVATIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-303	INDUSTRIAL EAST ELEVATION	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-400	OVERALL BUILDING SECTIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-401	OFFICE BUILDING SECTIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-402	NEW ADDITION BUILDING SECTIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-403	WALL SECTION DETAIL	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-404	WALL SECTION DETAIL	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-405	SECTION DETAIL	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-406	STAIR PLAN AND SECTIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-407	STAIR PLAN AND SECTIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-500	MEN'S TOILET #106 & WOMEN'S TOILET #104 INTERIOR ELEVS.	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-501	H.C. UNISEX #208, UNISEX #207, JAN. CLO. #206 INT. ELEVS.	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-502	WOMEN'S LOCKER ROOM #105, TOILET RM. #114 PLAN & INT. ELEVATIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-503	MEN'S LOCKER ROOM #107,COFFEE KITCHENETTE #204 PLAN & INT. ELEVS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-504	EMPLOYEE BREAK ROOM #101 PLAN & INT. ELEVATIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-600	FIRE RATED DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-601	FIRE RATED DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-602	METAL FRAMING DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-603	MASONRY DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-604	TILE SCHLUTER DETAIL	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-605	MILLWORK DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-606	ROOFING DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-607	ROOF LADDER DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-608	COMMERCIAL DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-609	CONDUIT DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-610	TOILET PARTITION DETAILS-TYPE 1	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-611	SITE DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-612	COMMERCIAL SITE DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-613	MULLION MATE DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-614	OVERHEAD DOCK DOOR DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-615	PEMB DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-700	FINISH PLANS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-701	PAINT PLANS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-800	DOORS & WINDOW SCHEDULE	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-801	STOREFRONT SCHEDULE	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-900	ENLARGED FURNITURE PLANS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-901	ENLARGED FURNITURE DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
A-902	EQUIPMENT PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No

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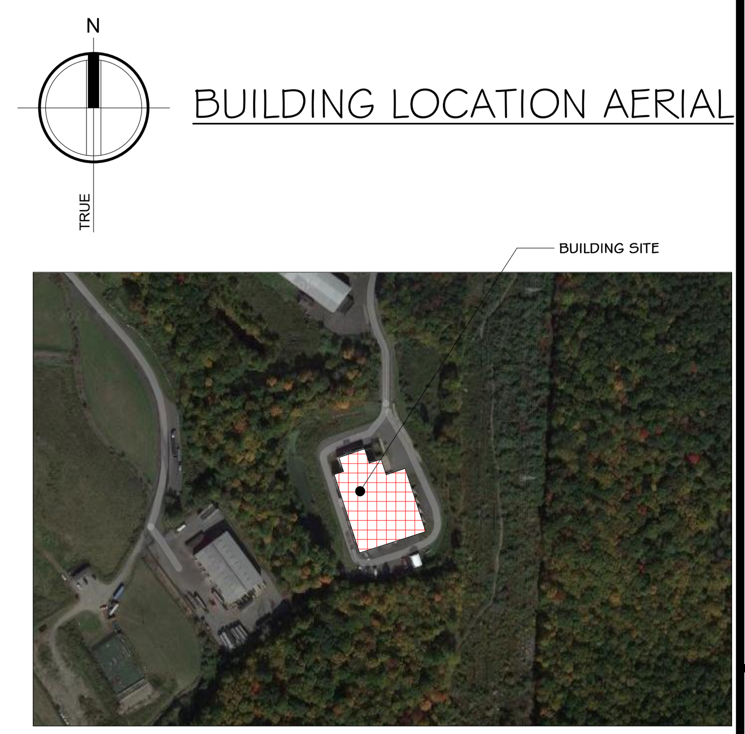
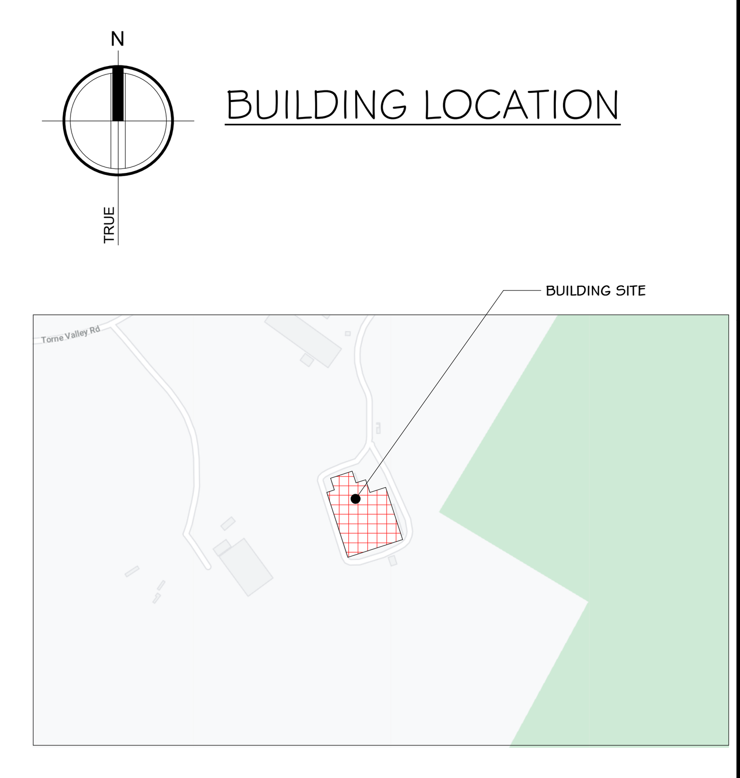
A-903	INTERIOR SIGN SCHEDULES	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
CIVIL										
C-100	EXISTING CONDITIONS PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
C-101	PROPOSED GAS MAIN EXTENSION	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
C-200	EROSION AND SEDIMENT CONTROL PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
C-201	E & SC DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
C-400	GRADING AND LAYOUT PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
C-400A	GRADING AND LAYOUT PLAN - ALTERNATE	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
C-401	SITE DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
C-500	SITE RESTORATION PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
C-501	SITE RESTORATION DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
SUPPLEMENTAL DRAWINGS										
BP-100	SITE SAFETY PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
STRUCTURAL										
S-101	GENERAL NOTES	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-102	SPECIAL INSPECTION NOTES & SCHEDULES	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
SD-200	FOUNDATION DEMOLITION PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
SD-201	FOUNDATION DEMOLITION PLAN, SECTIONS & DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
SD-210	PARTIAL FLOOR & ROOF FRAMING DEMOLITION PLANS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
SD-211	ROOF FRAMING DEMOLITION PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
SD-401	FRAMING DEMOLITION ELEVATIONS	07-23-21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
SD-402	FRAMING DEMOLITION ELEVATIONS	07-23-21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-200	OVERALL FOUNDATION PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-201	PARTIAL FOUNDATION PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-202	PARTIAL FOUNDATION PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-203	PUSHWALL & PIT LOCATION PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-204	SITE RETAINING WALL PLAN & SECTIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-210	OVERALL ROOF FRAMING PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-211	PARTIAL ROOF FRAMING PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-212	PARTIAL ROOF FRAMING PLAN	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-213	PARTIAL FLOOR & ROOF FRAMING PLANS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-301	FOUNDATION SECTIONS & DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-302	FOUNDATION SECTIONS & DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-303	FOUNDATION SECTIONS & DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-304	FOUNDATION SECTIONS & DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-401	FRAMING ELEVATIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-402	FRAMING ELEVATIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-403	OVERALL FRAMING SECTIONS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-501	FRAMING SECTIONS & DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No
S-502	FRAMING SECTIONS & DETAILS	07/06/21	100%				D	09-28-21	ISSUED FOR CONSTRUCTION	No

BUILDING LOCATION AERIAL

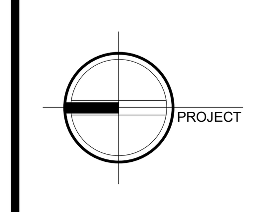


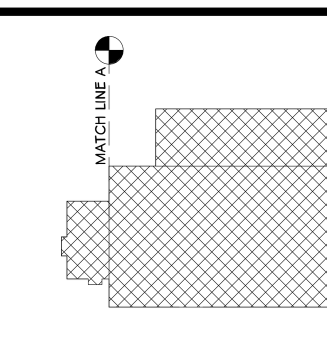
BUILDING LOCATION



ROCKLAND GREEN FACILITY IMPROVEMENTS PHASING NOTE

1. Rockland Green is soliciting proposals for the construction of improvements to its existing Materials Recovery Facility (MRF), as further detailed in the Drawings and Specifications. These Facility Improvements include, but are not limited to, a building addition, site work, interior demolition work, interior build-out work, electric service upgrades and reworked mechanical, plumbing, electrical, fire sprinkler and fire alarm systems to accommodate a new state-of-the-art dual stream recyclables processing system supplied and installed under Contract No. 1 - Processing Equipment.
2. The Facility Improvements are being procured through separate contracts as follows:
   - Contract No. 2 - Facility Improvements: General Construction
   - Contract No. 3 - Facility Improvements: Mechanical/HVAC
   - Contract No. 4 - Facility Improvements: Plumbing
   - Contract No. 5 - Facility Improvements: Electrical
   - Contract No. 6 - Facility Improvements: Fire Protection System
3. The building has been divided into the following area designations:
   - Area 1 – Existing Tipping Area.
   - Area 2 – Existing Processing Area.
   - Area 3 – Existing Administration Area.
   - Area 4 – New Commingled Tipping Area.
   - Area 5 – New Storage & Glass Processing Area
   - Area 6 – New Truck Loading Dock Area.
4. Work shall commence on the exterior and in the Areas 1 and 2 for its Substantial Completion to be achieved prior to the start of delivery and installation of the Dual Stream Recyclables Processing System, which is scheduled to occur early December 2021. It shall include all Work as defined in the Contract Drawings, Specifications, and RFP Appendices. It shall also include all rough-ins associated with Mechanical, Electrical, Plumbing, and Fire Protection Equipment. All final connections of Mechanical, Electrical, Plumbing and Fire Protection (including equipment fire sprinkler system) in Areas 1 and 2 shall be completed prior to the startup of processing equipment.
5. Work in Area 3 shall be sequenced to allow sufficient access and use of existing space for Contractors on- site as approved by the Engineer and the Contractors for Contract Nos. 2-6 shall achieve Substantial Completion prior to the required date for the Operator to mobilize on-site and have partial occupancy and use of Area 3. Additionally, any Work by Contract Nos. 1 and 3-6 related to all other Areas 1, 2, 4-6 and the site work/exterior shall progress and be completed to support and not delay the overall Project Schedule.
6. Contract Nos. 2-6 Work in Areas 4 – 6 shall be sequenced by each applicable Contractor to make most use and access of working space where the building erection is complete, so the work of Contract No. 1 can proceed efficiently. All work to be coordinated between the Contractors.





KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

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REV	DESCRIPTION	DATE	BY	CHK
D	ISSUED FOR CONSTRUCTION	09-28-21		
C	ISSUED FOR CONTRACT	08-27-21		
B	REVISED FOR RFP ADDENDUM 6	07-23-21		
A	ISSUED FOR RFP	07-06-21	ID	AS

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TITLE SHEET

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-001	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D–24x36	REV

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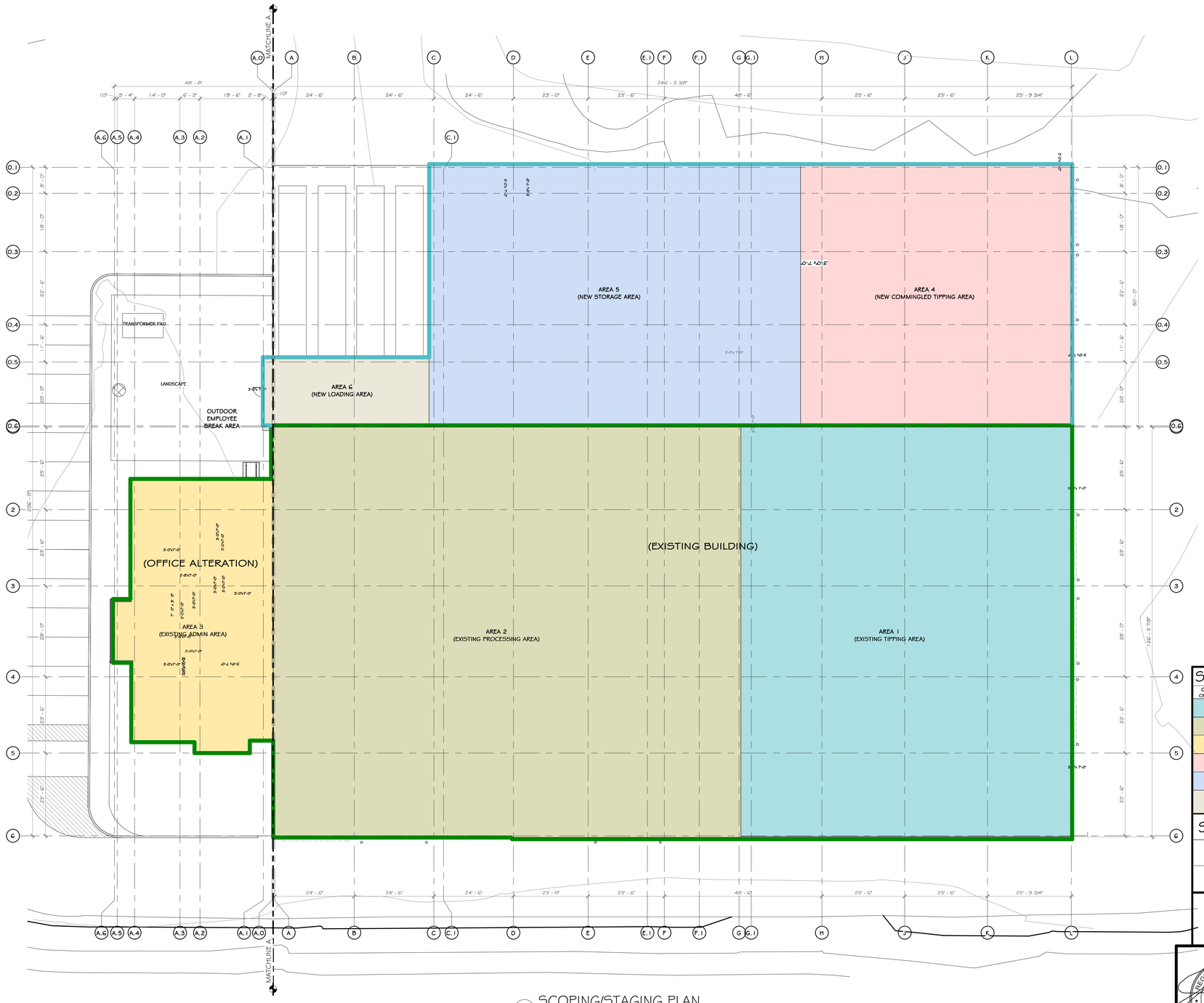

1 SCOPING/STAGING PLAN
1/16" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

STAGING/ SCOPING:

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING CONDITIONS FROM DAMAGE.
2. ANY TEMPORARY SHUT-DOWN OF SERVICES MUST BE COORDINATED THROUGH THE OWNER'S REPRESENTATIVE. ALL WORK INVOLVING POWER SHUTDOWNS, ACCESS TO AND WITHIN EXISTING OPERATIONS AREAS, IS TO BE COORDINATED WITH THE OWNER A MINIMUM OF 3 WEEKS PRIOR TO THE ANTICIPATED START OF SUCH WORK.
3. ALL CONSTRUCTION SEQUENCING IS TO BE COORDINATED WITH THE OWNER AND/OR OWNER'S REPRESENTATIVE.
4. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY PROTECTION AS REQUIRED TO MAINTAIN ACCESS BY THE PUBLIC ALONG THE SIDEWALK AND ACCESS TO OTHER PARTS OF THE SITE NOT UNDER CONSTRUCTION. ALL PROTECTION MUST BE IN ACCORDANCE WITH ALL LOCAL AND STATE CODE REQUIREMENTS FOR LIFE SAFETY. A WRITTEN NARRATIVE AND SCHEMATIC PLAN OF SUCH PROTECTION MUST BE PROVIDED AND APPROVED BY THE OWNER, ARCHITECT, AND LOCAL BUILDING INSPECTOR PRIOR TO THE START OF CONSTRUCTION.
5. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SERVICES, INCLUDING RESTROOMS. RESTROOMS WITHIN THE OWNER'S ADJACENT BUILDINGS ARE NOT TO BE USED BY CONSTRUCTION PERSONNEL.
6. CLEANING: AT THE CONCLUSION OF THE PROJECT, THE BUILDING (AREAS OF WORK ONLY) MUST BE CLEANED TO THE SATISFACTION OF THE OWNER. IT IS TO BE A THOROUGH CLEANING SO THAT THE SPACE IS READY TO BE OCCUPIED AND IS IN"MOVE-IN CONDITION". IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO DOCUMENT THE EXISTING CONDITIONS OF THE ADJACENT SPACE PRIOR TO CONSTRUCTION SO AS NOT TO BE HELD RESPONSIBLE FOR ANY DAMAGE NOT CAUSED BY GENERAL CONTRACTOR OR THEIR SUB-CONTRACTORS. IT IS RECOMMENDED THAT THE GENERAL CONTRACTOR PROVIDE DUST-CONTROL MEASURES AT VARIOUS POINTS IN THE BUILDING TO HELP LIMIT MIGRATION OF CONSTRUCTION DUST AND DEBRIS.
7. DUMPSTERS AND/OR DUMP TRUCKS ARE PERMITTED TO BE PARKED ON SITE. THE EXACT PLACEMENT OF THIS EQUIPMENT IS TO BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AS DETERMINED IN THE CONSTRUCTION CONTRACT. ANYTHING DAMAGED DURING THE DELIVERY, PLACEMENT, OR REMOVAL OF SUCH ITEMS IS TO BE REPAIRED BY THE GENERAL CONTRACTOR AND BROUGHT BACK TO ITS ORIGINAL CONDITION (LANDSCAPING, SIDEWALK, CURBS, ETC.).
8. WORK IS PERMITTED TO START AT 6AM ON SITE, AND IS ABLE TO CONTINUE UNTIL 7PM, 6 DAYS A WEEK.
9. CONSTRUCTION FENCE TO BE PROVIDED AS REQUESTED BY OWNER OR ARJ, OR AS NEEDED BY G.C. TO PROTECT THE PUBLIC&EMPLOYEES FROM THE CONSTRUCTION AREAS.
10. SEE CIVIL DRAWINGS FOR LOCATIONS OF UTILITIES AND OTHER SITE FEATURES
11. COORDINATION TO BE DISCUSSED WITH THE OWNER PRIOR TO CONSTRUCTION:
    a. THE LIMIT OF OUTDOOR AREA TO BE USED BY GENERAL CONTRACTOR FOR STAGING, TEMPORARY SERVICES, ETC.
    b. LOCATION OF CONSTRUCTION TRAILERS AND STORAGE TRAILERS (THESE MUST REMAIN IN THE APPROVED LOCATION(S), SO AS TO MINIMIZE INTERRUPTIONS TO CURRENT BUILDING ACTIVITIES.
    c. DELIVERIES OF MATERIALS MUST OCCUR IN THE STAGING AREA AND/OR PREVIOUSLY AGREED UPON LOCATION(S) WITH THE OWNER, SO AS TO MINIMIZE INTERRUPTIONS TO ADJACENT PROPERTY ACTIVITIES. SIGNIFICANT DELIVERIES, SUCH AS METAL BUILDING STEEL, LARGE QUANTITIES OF MASONRY PRODUCTS, BAR JOISTS, ETC., MUST BE COORDINATED WITH THE OWNER AND/OR OWNER'S REPRESENTATIVE AT LEAST ONE WEEK PRIOR TO DELIVERY SO AS MINIMIZE INTERRUPTIONS TO ADJACENT BUILDINGS/SITE ACTIVITIES.
    d. COORDINATION BETWEEN THE GENERAL CONTRACTOR AND THE M.E.P AND EQUIPMENT CONTRACTORS: A GENERAL PLAN FOR COORDINATION OF THE WORK BETWEEN THE CONTRACTORS MUST BE DISCUSSED PRIOR TO THE CONTRACT SIGNING AND A GENERAL MEANS AND METHODS PLAN MUST BE DISCUSSED AND DOCUMENTED BY EACH CONTRACTOR PRIOR TO THE CONTRACT SIGNING. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, SITE ACCESS AND SEPARATE STAGING AREAS, DUMPSTERS, RESTROOMS, FENCING, SIGNAGE, ETC. BI-WEEKLY COORDINATION MEETINGS WITH A SENIOR REPRESENTATIVE FROM EACH CONTRACTOR AND THE OWNER ARE REQUIRED FOR THE DURATION OF THE PROJECT.

SCOPE BY AREA LEGEND:

COLOR OF AREA		
	AREA 1	: EXTERIOR WALL REPAIR, ROOF REPAIR/COATING, EXTERIOR DOORS, INTERIOR STRUCTURAL SLAB AND ELEMENTS, SITE RELATED WORK. : MEP/FP SYSTEMS, LIFE SAFETY COMPONENTS, AND EQUIPMENT INSTALL
	AREA 2	: EXTERIOR WALL REPAIR, ROOF REPAIR/COATING, EXTERIOR DOORS, INTERIOR STRUCTURAL SLAB AND ELEMENTS, SITE RELATED WORK. : MEP/FP SYSTEMS, LIFE SAFETY COMPONENTS, AND EQUIPMENT INSTALL
	AREA 3	: SITE RELATED WORK. : INTERIOR OFFICE FIT OUT, NEW ROOF, NEW MEP/FP SYSTEMS
	AREA 4	: STRUCTURAL ELEMENTS (FOOTINGS/FOUNDATIONS, PEMB), PERSONNEL AND OVERHEAD DOORS, SITE RELATED WORK. : MEP/FP SYSTEMS, LIFE SAFETY COMPONENTS, AND EQUIPMENT INSTALL
	AREA 5	: STRUCTURAL ELEMENTS (FOOTINGS/FOUNDATIONS, PEMB), PERSONNEL AND OVERHEAD DOORS, SITE RELATED WORK. : MEP/FP SYSTEMS, LIFE SAFETY COMPONENTS, AND EQUIPMENT INSTALL
	AREA 6	: STRUCTURAL ELEMENTS (FOOTINGS/FOUNDATIONS, PEMB), PERSONNEL AND OVERHEAD DOORS, DOCK LEVELERS, SITE RELATED WORK. : MEP/FP SYSTEMS, LIFE SAFETY COMPONENTS, AND EQUIPMENT INSTALL

STAGING LEGEND:

	LINE OF NEW BUILDING FOOTPRINT
	OUTLINE OF EXISTING BUILDINGS TO REMAIN

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REGISTERED ARCHITECT JASON T. ANDERSON 031127 STATE OF NEW YORK

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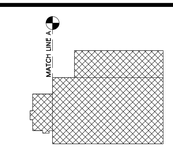
PROJECT NORTH



KEY PLAN — AREA OF CONSTRUCTION

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	BY	DATE		
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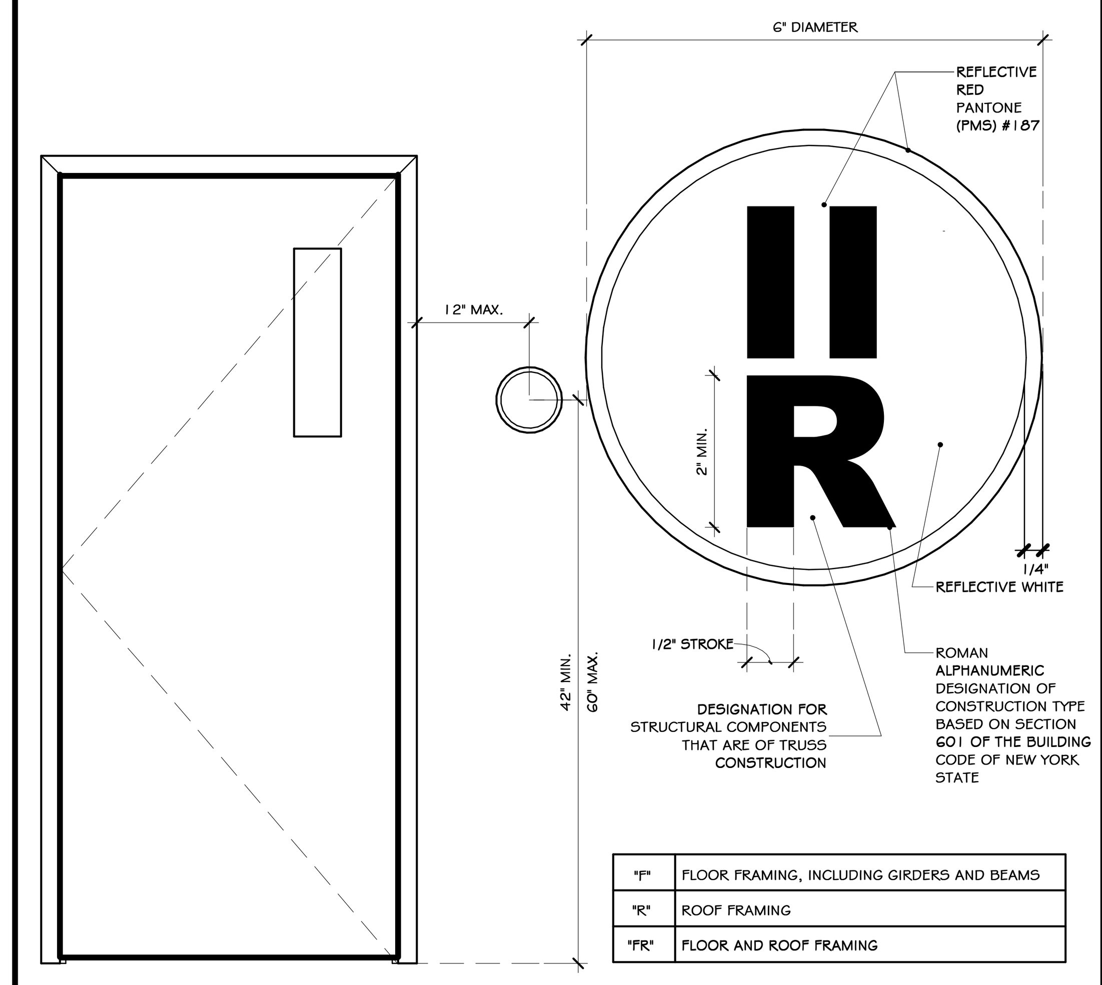
2020 NYS BUILDING CODE DATA

CODE DESCRIPTION		CODE PROVISIONS & REQUIREMENTS			
CHAPTER 3 - USE & OCCUPANCY CLASSIFICATION					
USE & OCCUPANCY CLASSIFICATION:		SECTION:	GROUP:		ACCESSORY TO: (508.3)
BUSINESS (OFFICES)		304	B		N.A.
TRANSLOAD FACILITY		306.2	F-1		N.A.
LOW-HAZARD STORAGE		311.2	S-1		N.A.
CHAPTER 4 - SPECIAL DETAILED REQUIREMENTS					
SPECIAL USE REQUIREMENTS:		SECTION:	REQUIRED:		ACTUAL/PROVIDED:
NOT A SPECIAL USE		CHAPTER 4	N.A.		N.A.
CHAPTER 5 - GENERAL BUILDING HEIGHTS & AREAS					
BUILDING HEIGHTS & AREAS:	SECTION:	MAX ALLOWED:	HEIGHT MOD:	AREA MOD:	ACTUAL:
B (BUSINESS)	TABLE 504.3/504.4/506.2				
STORIES		4	N.A.		2 STORIES
AREA (S.F.)		92,000 S.F.		FRONTAGE INCREASE: N.A.	2,375 1ST FLOOR 2,309 2ND FLOOR 4,684 S.F. TOTAL
F-1 (MODERATE-HAZARD FACTORY INDUSTRIAL)	TABLE 504.3/504.4/506.2				
STORIES		3	N.A.		1 STORY
AREA (S.F.)		62,000 S.F.		FRONTAGE INCREASE: N.A.	39,324 S.F. TOTAL
S-1 (MODERATE-HAZARD STORAGE)	TABLE 504.3/504.4/506.2				
STORIES		3	N.A.		1 STORY
AREA (S.F.)		70,000 S.F.		FRONTAGE INCREASE: N.A.	9,156 S.F. TOTAL
BUILDING STORIES AREA HEIGHT IN FEET	TABLE 504.3	75'-0"	N.A.		32'-0"
MIXED USE/OCCUPANCY SEPARATION:		SECTION:	ALLOWED/REQUIRED:		PROVIDED:
INCIDENTAL USES		TABLE 509	N.A.		N.A.
MIXED OCCUPANCIES					
SEPARATION OCCUPANCIES		TABLE 508.4	NOT REQUIRED		NOT REQUIRED
-		-	-		-
CHAPTER 6 - TYPES OF CONSTRUCTION					
CONSTRUCTION CLASSIFICATION		SECTION:	REQUIRED:		PROVIDED:
MINIMUM CONSTRUCTION CLASSIFCIATION - ALL USES		TABLE 601	IIB		IIB
REQUIRED FIRE RESISTANCE RATING OF BUILDING ELEMENTS:		SECTION:	REQUIRED:		PROVIDED:
STRUCTURAL FRAME (INC. COLUMNS, GIRDERS, TRUSSES)		TABLE 601	0		0
BEARING WALLS					
EXTERIOR		TABLE 601	0		0
INTERIOR		TABLE 601	0		0
NON-BEARING WALLS					
EXTERIOR		TABLE 601	0		0
INTERIOR		TABLE 601	0		0
FLOOR CONSTRUCTION		TABLE 601	0		0
ROOF CONSTRUCTION (INC. SUPPORTING BEAMS & JOINTS)		TABLE 601	0		0
DISTANCE SEPARATION:		SECTION:	REQUIRED:		PROVIDED:
DISTANCE SEPARATION:		TABLE 602	10<X<30 o HR IIB		N.A.
CHAPTER 7 - FIRE RESISTANCE-RATED CONSTRUCTION					
FIRE BARRIERS (BETWEEN OCCUPANCIES/USES):		SECTION:	ALLOWED:		ACTUAL:
FIRE AREA SEPARATION W/IN OCC		TABLE 707.3.10	2		N.A.
OPENING SIZES IN FIRE BARRIERS		706.8	<25% AGGREGATE WIDTH OF WALL		N.A.
			SINGLE OPENING NO TO EXCEED 156 S.F.		N.A.
SHAFT ENCLOSURES		707.3.1/713.4	1 HR.		N.A.
INTERIOR EXIT STAIRWAY AND RAMP CONSTRUCTION		707.3.2/1023.1	1 HR		N.A.
FIRE DOOR/SHUTTER RATINGS					
FIRE DOOR AND FIRE SHUTTER PROTECTION RATINGS FOR FIRE BARRIER WALLS HAVING FIRE RESISTANCE RATING GREATER THAN 1 HR.			REQUIRED ASSEMBLY RATING:		MINIMUM FIRE DOOR & SHUTTER ASSEMBLY RATING ALLOWED:
4 HOUR WALL		TABLE 716.1(2)	4 HR.		3 HR - N.A.
3 HOUR WALL		TABLE 716.1(2)	3 HR.		3 HR - N.A.
2 HOUR WALL		TABLE 716.1(2)	2 HR.		1 1/2 HR
1 1/2 HOUR WALL		TABLE 716.1(2)	1 1/2 HR.		1 1/2 HR - N.A.
FIRE BARRIERS HAVING A REQUIRED FIRE-RESISTANCE RATING OF 1 HOUR:			REQUIRED ASSEMBLY RATING:		MINIMUM FIRE DOOR & SHUTTER ASSEMBLY RATING ALLOWED:
SHAFT, EXIT ENCLOSURE AND EXIT PASSAGEWAY WALLS		TABLE 716.1(2)	1 HR.		1 HR
OTHER FIRE BARRIERS		TABLE 716.1(2)	1 HR.		3/4 HR
FIRE PARTITIONS:			REQUIRED ASSEMBLY RATING:		MINIMUM FIRE DOOR & SHUTTER ASSEMBLY RATING ALLOWED:
CORRIDOR WALLS		TBL 716.1(2)/708.1(4)	1 HR.		1/3 HR - N.A.
		TABLE 716.1(2)	.5 HR.		1/3 HR - N.A.
OTHER FIRE PARTITIONS		TABLE 716.1(2)	1 HR.		1/3 HR - N.A.
		TABLE 716.1(2)	.5 HR.		1/3 HR - N.A.
EXTERIOR WALLS			REQUIRED ASSEMBLY RATING:		MINIMUM FIRE DOOR & SHUTTER ASSEMBLY RATING ALLOWED:
3 HR. WALL		TABLE 716.1(2)	3 HR.		1 1/2 HR - N.A.
2 HR. WALL		TABLE 716.1(2)	2 HR.		1 1/2 HR - N.A.
1 HR. WALL		TABLE 716.1(2)	1 HR.		3/4 HR - N.A.
SMOKE BARRIERS		TABLE 716.1(2)	1 HR.		1/3 HR - N.A.
FIRE WINDOW ASSEMBLY FIRE PROTECTION RATINGS					MIN.
INTERIOR WALLS					REQUIRED:
FIRE WALLS		TABLE 716.1(3)	ALL		N.A.
FIRE BARRIERS		TABLE 716.1(3)	>1		N.A.
SMOKE BARRIERS & FIRE PARTITIONS		TABLE 716.1(3)	1		3/4 HR - N.A.
		TABLE 716.1(3)	1		3/4 HR - N.A.
EXTERIOR WALLS		TABLE 716.1(3)	>1		1 1/2 HR - N.A.
		TABLE 716.1(3)	1		3/4 HR - N.A.
PARTY WALLS		TABLE 716.1(3)	ALL		N.A.
FIRE DAMPER RATING			ALLOWED:		ACTUAL:
< 3 HR. RATED ASSEMBLY		TABLE 716.1(3)	1 HR.		N.A.
> OR = 3 HR. RATED ASSEMBLY		TABLE 716.1(3)	1 HR.		N.A.

CODE DESCRIPTION			CODE PROVISIONS & REQUIREMENTS			
INTERIOR WALL & CEILING FINISH REQUIREMENTS		SECTION:	CLASSES ALLOWED (NON SPRINKLERED)			ACTUAL
BY OCCUPANCY		TABLE 803.13	EXIT ENCLOSURE	CORRIDORS	ROOMS & ENCL'D SPACES	
B			B	C	C	COMPLIES-SEE PLAN
F-1			C	C	C	COMPLIES-SEE PLAN
S-2			C	C	C	COMPLIES-SEE PLAN
CHAPTER 9 - FIRE PROTECTION SYSTEMS						
FIRE PROTECTION SYSTEMS:			SECTION:	REQUIRED/ALLOWED:		PROVIDED:
AUTOMATIC SPRINKLER SYSTEMS			903	NOT REQUIRED BY OCCUPANCY OR FIRE AREA		NFPA PROVIDED
FIRE EXTINGUISHERS			906.1	YES		COMPLIES-SEE PLAN
FIRE CODE TABLE 906.3(1)			LOW HAZARD OCC.	ORDINARY HAZARD OCC.		EXTRA HAZARD OCC.
MAXIMUM RATED SINGLE EXTINGUISHER			2-Ac	2-A		4-Aa
MAXIMUM FLOOR AREA PER UNIT OF A			3,000 S.F.	1,500 S.F		1,000 S.F.
MAXIMUM FLOOR AREA FOR EXTINGUISHER B			11,250 S.F.	11,250 S.F.		11,250 S.F.
MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER			75 FEET	75 FEET		75 FEET
FIRE ALARM & DETECTION SYSTEM			907.2.2	NOT REQUIRED		PROVIDED
CHAPTER 10 - MEANS OF EGRESS						
MEANS OF EGRESS:			SECTION:	ALLOWED/ALLOWED:		ACTUAL/PROVIDED:
OCCUPANT LOAD						25
ACTUAL COUNT				-		PERSONS
POSTING OF OCCUPANT LOAD:			1004.3	AT MAIN EXIT OF A-3 SPACE		PROVIDED
DESIGN OCCUPANT LOAD:		SECTION:	OCCUPANCY:	PERMITTED:		
OCCUPANT LOAD						
AREA	SQ. FT.	TABLE 1004.5	OCCUPANCY:	PERMITTED:		ALLOWED/PERMITTED:
1ST FLOOR: OFFICE (B)	2,375 S.F.	TABLE 1004.5	B	150 GROSS		15.83
FACTORY INDUSTRIAL	39,324 S.F.	TABLE 1004.5	F-2	500 GROSS		78.65
STORAGE	9,156 S.F.	TABLE 1004.5	S-2	300 GROSS		30.52
2ND FLOOR: OFFICE (B)	2,049 S.F.	TABLE 1004.5	B	150 GROSS		13.66
CONFERENCE (A-2)	260 S.F.	TABLE 1004.6	B	15 NET		17.33
TOTALS	53,164 S.F.					156 PERMITTED
EGRESS WIDTHS:			SECTION:	MIN. REQUIRED:		ACTUAL/PROVIED:
GENERAL OVERALL BY OCCUPANCY			1005.3.1	1ST FL - 34" 2ND FL - 30" STAIR - 44"		COMPLIES - SEE PLAN
GENERAL = 0.2" PER OCC. STAIR = 0.3" PER OCC.						
DOOR						
EGRESS DOORS - TO EXTERIOR			1010.1.1	3'-0" (32" CLEAR WIDTH)		3'-0"
EGRESS DOORS - STAIRWAY			1010.1.1	3'-0" (32" CLEAR WIDTH)		3'-0"
EGRESS DOORS - EXIT DEVICES			1010.1.1	YES		YES
STAIRWAYS						
MEANS OF EGRESS STAIR			1011.2	44"		COMPLIES - SEE PLAN
INTERIOR STAIR OCCUPANT LOAD LESS THAN 50 PERSONS			1011.2(1)	36" ALLOWED		COMPLIES - SEE PLAN
MEANS OF EGRESS ILLUMINATION			1008	ALONG EXIT PATHS		COMPLIES - SEE PLAN
ACCESSIBLE MEANS OF EGRESS			1009.1/TABLE 1006.2.1	2 REQUIRED		COMPLIES - SEE PLAN
STAIRS - MEANS OF EGRESS						
TREADS & RISERS			1011.5.2	7" MAX./4" MIN. RISER 11" MIN. TREAD		COMPLIES - SEE PLAN
LANDINGS			1011.6	WIDTH OF STAIR X WIDTH OF STAIR		COMPLIES - SEE PLAN
ENCLOSURE UNDER STAIRWAYS			1011.7.3	1 HR.		COMPLIES - SEE PLAN
VERTIFICAL RISE			1011.8	VERTICAL RISE < 12'-0"		COMPLIES - SEE PLAN
HANDRAILS			1011.11/1014.6	YES EACH SIDE 34"-38" HT.		COMPLIES - SEE PLAN
STAIRWAY TO ROOF			1011.12	HATCH		COMPLIES - SEE PLAN
RAMPS						
SLOPE			1012.2	1:12		N.A.
VERTICAL RISE			1012.4	30"		N.A.
WIDTH			1012.5.1	44" MIN.		N.A.
ILLUMINATED EXIT SIGNS			1013	@ EXITS & ALONG EXIT PATHS SO NO POINT IN CORRIDOR IS MORE THAN 100' FROM NEAREST SIGN		COMPLIES - SEE PLAN
GUARD RAILS - ALONG RAMPS, STAIRS, MEZZANINES, ETC.			1015.3	42" HT.		COMPLIES - SEE PLAN
OPENING LIMITATIONS			1012.10.1	4" MAX/21" MAX F OR S OCCUPANCIES		COMPLIES - SEE PLAN
EXIT ACCESS DOORWAYS - QUANTITY						
B			TABLE 1006.2.1	2		COMPLIES - SEE PLAN
F-2			TABLE 1006.2.1	2		COMPLIES - SEE PLAN
S-2			TABLE 1006.2.1	2		COMPLIES - SEE PLAN
EXIT TRAVEL DISTANCE (MINIMUM):				MAXIMUM ALLOWED:	EXCEPTION INCREASE:	
B			TABLE 1017.2	300'	N.A.	COMPLIES - SEE PLAN
COMMON PATH OF EGRESS - B (OCC. LOAD<30)			TABLE 1006.2.1	100'	N.A.	COMPLIES - SEE PLAN
F-2			TABLE 1006.2.1	100'	N.A.	COMPLIES - SEE PLAN
F-2			TABLE 1006.2.1	1000'	N.A.	COMPLIES - SEE PLAN
CORRIDOR FIRE RESISTANCE RATING			TABLE 1020.1	0 HR.		0 HR.
EXIT CORRIDORS WIDTH			TABLE 1020.2	44" MINIMUM		COMPLIES - SEE PLAN
EXITS:						
NUMBER PER OCCUPANT LOAD			TABLE 1006.3.2(2)	2 (1<30 OCC. & 75' TRAVEL DIST.)		COMPLIES - SEE PLAN
STAIR EXIT ENCLOSURE - FIRE RESISTANCE RATING			1707 / 1024.3	1 HR		COMPLIES - SEE PLAN
EXTERIOR EXIT STAIR/RAMP PROTECTION			1024.3	0 HR.		N.A.
EXTERIOR AREA FOR ASSISTED RESCUE			1009.6/1009.7/1009.9	N.A.		N.A.
CHAPTER 11						
ACCESSIBILITY:			SECTION:	REQUIRED:		ACTUAL/PROVIDED:
COMPATABILITY			CHAPTER 11/ICC/ANSI A117.1-2009	-		COMPLIES - SEE PLAN
VERTICAL ACCESSIBILITY			104.4 (1)	NOT REQUIRED		PROVIDED
CHAPTER 29						
PLUMBIN SYSTEMS:			SECTION:	REQUIRED:		ACTUAL/PROVIDED:
MINIMUM NUMBER OF REQUIRED PLUMBING FIXUTRES			TABLE 2902.1			

	CLASSIFICATION	WATER CLOSETS	LAVATORIES	DRINKING FOUNTAINS	OTHER	OCCUPANT LOAD	ALLOWED/PERMITTED:
1ST & 2ND FLOORS	BUSINESS	1 PER 25 FOR FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50	1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80	1 PER 100	1 SERVICE SINK	32	WATER CLOSET: 2 LAVATORIES: 1 DRINKING FOUNTAIN: 1 SERVICE SINK: 1
	FACTORY/INDUSTRIAL	1 PER 100	1 PER 100	1 PER 400	1 SERVICE SINK	79	WATER CLOSET: 1 LAVATORIES: 1 DRINKING FOUNTAIN: 1 SERVICE SINK: 1
	STORAGE	1 PER 100	1 PER 100	1 PER 1,000	1 SERVICE SINK	31	WATER CLOSET: 1 LAVATORIES: 1 DRINKING FOUNTAIN: 1 SERVICE SINK: 1
	TOTALS						WATER CLOSET: 4 LAVATORIES: 3 DRINKING FOUNTAIN: 2 SERVICE SINK: 1



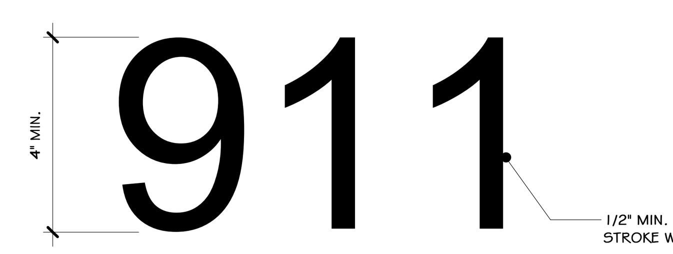
"F"	FLOOR FRAMING, INCLUDING GIRDERS AND BEAMS
"R"	ROOF FRAMING
"FR"	FLOOR AND ROOF FRAMING

TRUSS IDENTIFICATION SIGN COMPLIANCE WITH 19 NYCRR PART 1264

WHERE A SIGN IS DIRECTLY APPLIED TO A DOOR OR A SIDELIGHT, IT MAY BE PERMANENT NON-FADING STICKER OR DECAL.
SIGNS NOT DIRECTLY APPLIED TO DOORS OR SIDELIGHTS SHALL BE OF STURDY, NON-FADING, WEATHER RESISTANT MATERIAL.

SIGN LOCATION	SIGN PLACEMENT
EXTERIOR BUILDING ENTRANCE DOORS, EXTERIOR EXIT DISCHARGE DOORS, AND EXTERIOR ROOF ACCESS DOORS TO A STAIRWAY.	ATTACHED TO THE DOOR, OR ATTACHED TO A SIDELIGHT OR THE FACE OF THE BUILDING. NOT MORE THAN 12" HORIZONTALLY FROM THE LATCH SIDE OF THE DOOR JAMB, NOT LESS THAN 42" NOR MORE THAN 60" ABOVE THE ADJOINING WALKING SURFACE.
MULTIPLE CONTIGUOUS EXTERIOR BUILDING ENTRANCE OR EXIT DISCHARGE DOORS.	ATTACHED AT EACH END ROW OF DOORS AND AT MAXIMUM HORIZONTAL DISTANCE OF 12 FEET BETWEEN SIGNS, AND NOT LESS THAN 42" NOR MORE THAN 60" ABOVE THE ADJOINING WALKING SURFACE.
FIRE DEPARTMENT HOSE CONNECTIONS.	ATTACHED TO THE FACE OF THE BUILDING, NOT MORE THAN 12" HORIZONTALLY FROM THE CENTER LINE OF THE FIRE DEPARTMENT HOSE CONNECTION, AND NOT LESS THAN 42" NOR MORE THAN 60" ABOVE THE ADJOINING WALKING SURFACE.

1 TRUSS ID
1" = 1'-0"



NOTE:

1) TO BE MOUNTED CONSPICUOUSLY ON FRONT OF BLDG.- VISIBLE FROM MAIN ENTRY. MUST COMPLY WITH SECTION 501.2 OF THE 2015 NYS. BUILDING CODE.

2) NUMBER ABOVE IS FOR REPRESENTATIONAL PURPOSES ONLY. OBTAIN BUILDING ADRESS / 911 NUMBER FROM OWNER.

2 911 NUMBER
3" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. CERTIFIED PEMB DRAWINGS, SIGNED AND SEALED BY A LICENSED DESIGN PROFESSIONAL IN THE STATE WHERE THE PROJECT IS LOCATED, ARE REQUIRED TO BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.
2. FIRE ALARM SYSTEM TO BE PROVIDED - SEE ELECTRICAL DWGS.
3. SPECIAL INSPECTIONS REQUIRED - SEE STRUCTURAL DWGS.
4. SEE LIGHTING PLAN ON ELECTRICAL DRAWINGS FOR EMERGENCY LIGHTING.
5. SEE COM-CHECK FOR ENERGY COMPLIANCE, IF REQUIRED.
6. GENERAL CONTRACTOR MUST SUBMIT AN ACKNOWLEDGMENT STATEMENT TO THE ARCHITECT THAT THEY HAVE READ AND UNDERSTAND THE BUILDING CODE DATA PROVIDED ON THIS SHEET AND CHAPTER 33 OF THE 2020 NYS BUILDING CODE ENTITLED: 'SAFEGUARDS DURING CONSTRUCTION' AND SECTION 1704.4 'CONTRACTOR'S RESPONSIBILITY'.
7. 1704.4 CONTRACTOR RESPONSIBILITY: EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND- OR SEISMIC FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A WIND- OR SEISMIC FORCE-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER OR THE OWNER'S AUTHORIZED AGENT PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
   A. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.
   B. ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISE TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE CODE ENFORCEMENT OFFICIAL,
   C. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS, AND
   D. IDENTIFICATION AND QUALIFICATIONS OF THE PERSONS EXERCISING SUCH CONTROL AND THEIR POSITIONS IN THE ORGANIZATION.
8. STATE BUILDING CODE CERTIFICATION: I DO HEREBY CERTIFY THAT THESE DRAWINGS, TO THE BEST OF MY KNOWLEDGE AND PROFESSIONAL JUDGMENT, HAVE BEEN DESIGNED IN CONFORMANCE WITH ALL APPLICABLE REQUIREMENTS OF THE LATEST EDITION OF THE NEW YORK STATE BUILDING CODE. I DO HEREBY CERTIFY THAT THESE DRAWINGS, TO THE BEST OF MY KNOWLEDGE AND PROFESSIONAL JUDGMENT, HAVE BEEN DESIGNED IN CONFORMANCE WITH ALL APPLICABLE REQUIREMENTS OF NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE.
9. ASBESTOS SURVEY PLANNING AND DESIGN: THE OWNER IS RESPONSIBLE TO PROVIDE A SURVEY WHENEVER ACM IS SUSPECTED OF BEING PRESENT. THIS IS REQUIRED FOR ALL BUILDINGS RENOVATED OR CONSTRUCTED PRIOR TO JANUARY 1, 1974. IF THE BUILDING WAS CONSTRUCTED AFTER TO 1974, AND IF THE WORK PROPOSED IS GOING TO DISTURB *SUSPECTED* ACM, THEN A SURVEY MUST LIKEWISE BE UNDERTAKEN.
10. CODE REQUIRED SIGNAGE TO BE PROVIDED BY GC: RESTROOMS, BREAK ROOM, UTILITY ROOMS, MECHANICAL ROOMS, SPRINKLER ROOMS, TRUSS ID, EXITS, FIRE EXTINGUISHERS
11. SUMMARY OF APPLICABLE CODES/REFERENCE STANDARDS:
   A. REGULATORY REQUIREMENTS APPLICABLE TO THIS PROJECT ARE THE FOLLOWING, INCLUDING ALL SUBSEQUENT AMMENDMENTS AND UPDATES.
   B. 28 CFR 35-NONDISCRIMINATION ON THE BASIS DISABILITY IN STATE AND LOCAL GOVERNMENT SERVICES; FINAL RULE; DEPARTMENT OF JUSTICE; CURRENT EDITION.
   C. 28 CFR 36-NONDISCRIMINATION BY PUBLIC ACCOMODATIONS AND IN COMMERCIAL FACILITIES; FINAL RULE; DEPARTMENT OF JUSTICE; CURRENT EDITION.
   D. 36 CFR 1191-AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBIBLITY GUIDELINES FOR BUILDINGS AND FACILITIES; ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDELINES; CURRENT EDITION.
   E. FED-STD-795-UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS); 1988.
   F. 29 CFR 1910-OCCUPATIONAL SAFETY AND HEALTH STANDARDS; (2016 SUPPLEMENT).
   G. STATE OF NEW YORK AMENDMENTS TO SOME OR ALL OF THE FOLLOWING (2016, 2017 SUPPLEMENT).
   H. NFPA I-FIRE CODE; 2020.
   J. ICC (IBC)-INTERNATIONAL BUILDING CODE; 2020.
   K. ICC (IPC)-INTERNATIONAL PLUMBING CODE; 2020.
   L. NFPA 70-NATIONAL ELECTRICAL CODE; MOST RECENT EDITION ADOPTED BY AUTHORITY HAVING JURISDICTION, INCLUDING ALL APPLICABLE AMMENDMENTS AND SUPPLEMENTS.
   M. ICC (IECC)-INTERNATIONAL ENERGY CONSERVATION CODE; 2020.
   N. ICC A117.1-ACCESSIBLE AND USAGE BUILDINGS AND FACILITIES; 2009.
   O. ICC (IMC)-INTERNATIONAL MECHANICAL CODE; 2020.
   P. ICC (IECC)-INTERNATIONAL ENERGY CONSERVATION CODE; 2020.
   Q. ICC (IPMC)-INTERNATIONAL PROPERTY MAINTENANCE CODE 2020.
   R. ICC (IFC)-INTERNATIONAL FIRE CODE: 2020.
   S. ECC SUPP NY-SUPPLEMENT TO THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE; 2018.
   UCS NY-UNIFORM CODE SUPPLEMENT; 2020.
   U. ICC (IFGC)-INTERNATIONAL FUEL GAS CODE IFGC NY 2020.
   V. CURRENT LOCAL MUNICIPAL CODES.
   W. IEBC - EXISTING BUILDING CODE OF NEW YORK; 2020
12. LEVEL 3 ALTERATION AREAS TO COMPLY WITH CHAPTER 7 & 8 OF THE NYEBC.
13. SECTION 2808.8 FIRE EXTINGUISHERS: PORTABLE FIRE EXTINGUISHERS COMPLYING WITH SECTION 906 AND WITH A MINIMUM RATING OF A:60-B:C SHALL BE PROVIDED ON ALL VEHICLES AND EQUIPMENT OPERATING ON PILES AND AT AL PROCESSING EQUIPMENT.

SCOPE OF WORK:

SELECTIVE DEMOLITION OF EXISTING PRE-ENGINEERED METAL BUILDING AND CONSTRUCTION OF A SINGLE STORY PRE-ENGINEERED METAL BUILDING ADDITION FOR TRANSLOAD FACILITY. INTERIOR ALTERATIONS TO EXISTING TWO-STORY OFFICE BUILDING.

I. FIRST FLOOR:
  1. 16,808 S.F. TIPPING FLOOR AND LOADING DOCK AREA
  2. 3,468 S.F. OFFICE IMPROVEMENTS

II. SECOND FLOOR:
  1. 2,261 S.F. OFFICE IMPROVEMENTS

III. GENERAL CODE DATA
  1. OCCUPANCY CLASSIFICATION:
     FIRST FLOOR:
     F-2; TRANSLOAD FACILITY
     B: BUSINESS OFFICES
     S-1: SPRINKLER & ELECTRICAL ROOM
       PARTS & TOOL STORAGE
       COMPRESSOR ROOM
     SECOND FLOOR:
     B: BUSINESS OFFICES
  2. CONSTRUCTION CLASSIFICATION: TYPE 2B

IV. STRUCTURE:
  1. FOOTINGS/FOUNDATION: SPREAD FOOTINGS OVER COMPACTED SOIL.
  2. 1ST FLOOR SLAB: ON GRADE AT PEMB ADDITION.
  3. ROOF: STANDING SEAM METAL ROOF BY PEMB AT PEMB ADDITION.
  4. ROOF: EPDM ROOF REPLACEMENT AT OFFICE.
  5. GENERAL: PRE-ENGINEERED METAL BUILDING (PEMB) @ F-2 OCCUPANCY.
  6. GENERAL: METAL STUDS @ OFFICE AREA W/ CMU VENNER. FIRE BARRIER AROUND PARTS & TOOL STORAGE & COMPRESSOR ROOMS.

V. EGRESS:
  1. 1ST FLOOR: DOORS TO GRADE OR EXTERIOR STAIR; ACCESSIBLE - 100%
  2. 2ND FLOOR: ELEVATOR; ACCESSIBLE - 100%

VI. ADDITIONAL CONSTRUCTION DOCUMENTS
  1. SPECIFICATION BOOK
  2. GEOTECHNICAL REPORT
  3. PEMB DRAWINGS

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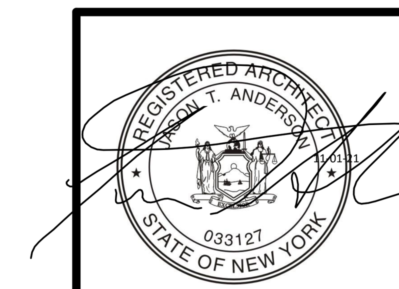

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C	ISSUED FOR CONTRACT	08-27-21		
B	REVISED FOR RFP ADDENDUM 6	07-23-21		
A	ISSUED FOR RFP	07-06-21	ID	AS

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CODE SHEET

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-100	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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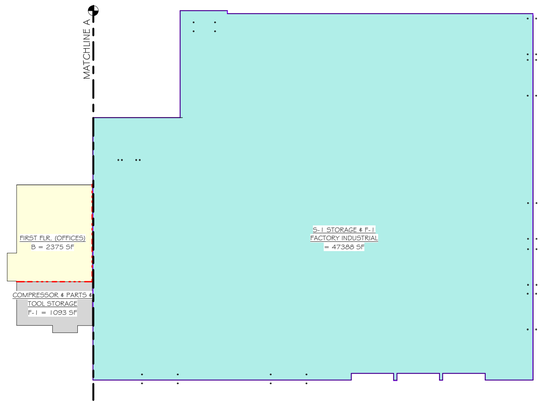
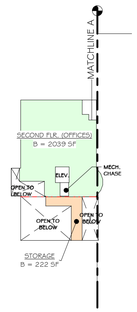


BY FIRE SEPARATIONS

- COMPRESSOR & PARTS & TOOL STORAGE
- FIRST FLR. (OFFICES)
- S-1 STORAGE & F-1 FACTORY INDUSTRIAL

1 FIRST FLOOR PLAN
1" = 40'-0"

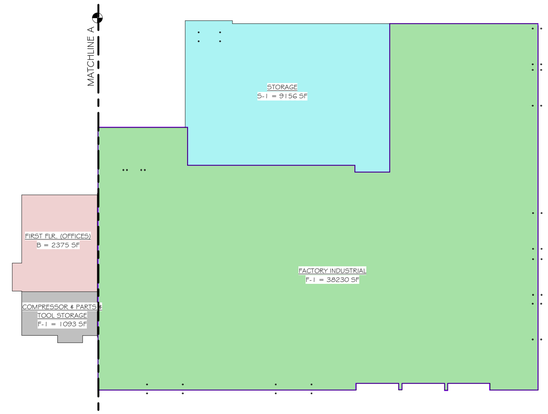


BY FIRE SEPARATIONS

- SECOND FLR. (OFFICES)
- STORAGE

2 SECOND FLOOR PLAN
1" = 40'-0"

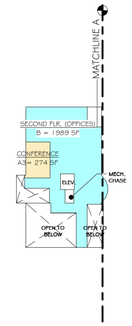
BUILDING AREAS BY FIRE BARRIER SEPARATIONS



BY OCCUPANCY PLAN

- COMPRESSOR & PARTS & TOOL STORAGE
- FACTORY INDUSTRIAL
- FIRST FLR. (OFFICES)
- STORAGE

3 FIRST FLOOR PLAN
1" = 40'-0"

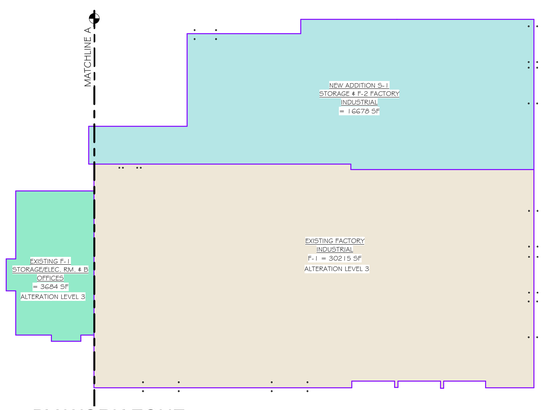


BY OCCUPANCY PLAN

- CONFERENCE
- SECOND FLR. (OFFICES)

4 SECOND FLOOR PLAN
1" = 40'-0"

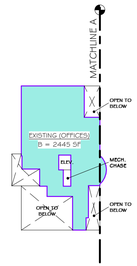
BUILDING AREAS BY USE



BY WORK ZONE

- EXISTING F-1 STORAGE/ELEC. RM. & B OFFICES
- EXISTING FACTORY INDUSTRIAL
- NEW ADDITION S-1 STORAGE & F-2 FACTORY INDUSTRIAL

9 FIRST FLOOR PLAN
1" = 40'-0"

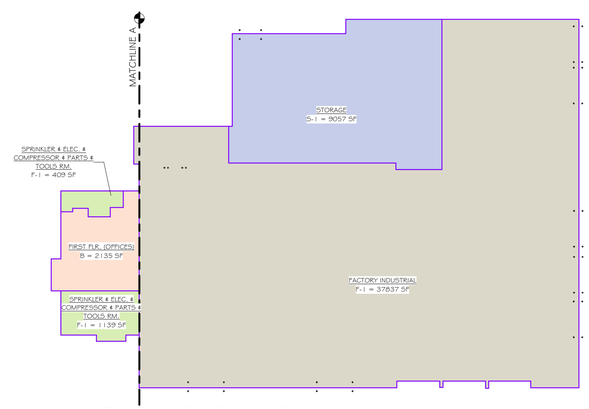


BY WORK ZONE

- EXISTING (OFFICES)

5 SECOND FLOOR PLAN
1" = 40'-0"

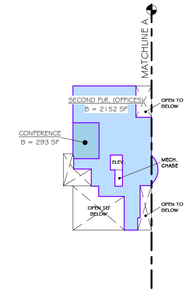
BUILDING AREAS BY WORK ZONES



BUILDING AREA BY USE

- FACTORY INDUSTRIAL
- FIRST FLR. (OFFICES)
- SPRINKLER & ELEC. & COMPRESSOR & PARTS & TOOLS RM.
- STORAGE

6 FIRST FLOOR PLAN
1" = 40'-0"



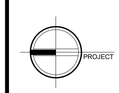
BUILDING AREA BY USE

- CONFERENCE
- SECOND FLR. (OFFICES)

7 SECOND FLOOR PLAN
1" = 40'-0"

BUILDING AREAS BY OCCUPANCY LOAD AREAS

PROJECT



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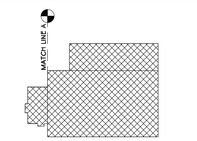

KEY PLAN

AREA OF CONSTRUCTION

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OCCUPANCY DIAGRAMS

D	ISSUED FOR CONSTRUCTION	03-26-21		
C	ISSUED FOR CONTRACT	08-27-20		
B	REVISED FOR RFP ADDENDUM 6	03-23-20		
A	ISSUED FOR RFP	07-06-20	JS	AS
REV	DESCRIPTION	DATE	DR BY	CHK BY

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DESIGNED	ADG	07/06/21	CAD FILE:	
APPROVED	ADG	07/06/21		
APPROVED			SHEET SIZE: D-24x36	REV

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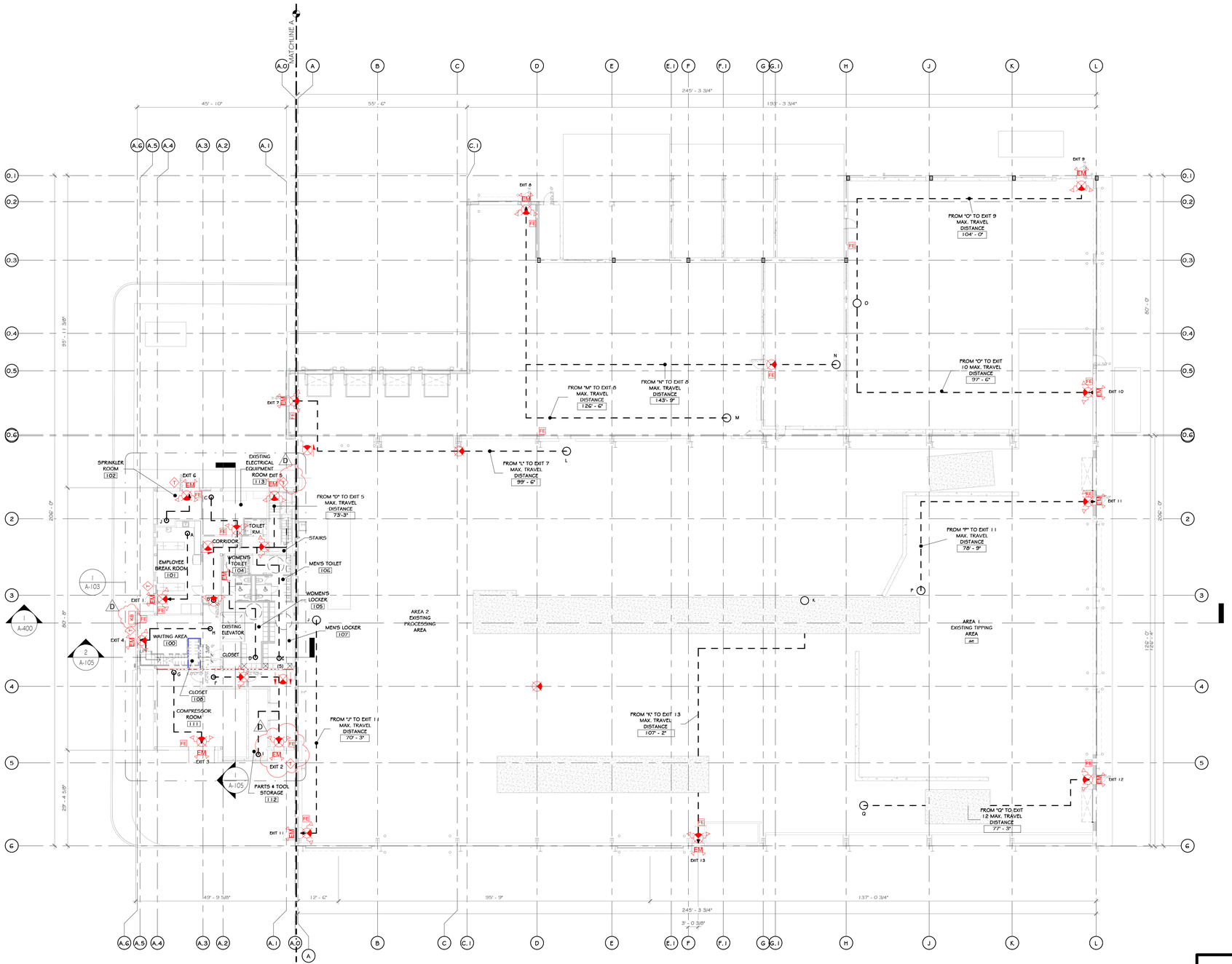


1 OVERALL FIRST FLOOR LIFE SAFETY PLAN
1/16" = 1'-0"

MAX. TRAVEL DISTANCE SCHEDULE

PATH	MAX.TRAVEL DISTANCE
FROM "A" TO EXIT 1 MAX. TRAVEL DISTANCE	26' - 5"
FROM "B" TO EXIT 5 MAX. TRAVEL DISTANCE	50' - 11"
FROM "C" TO EXIT 5 MAX. TRAVEL DISTANCE	50' - 11"
FROM "D" TO EXIT 5 MAX. TRAVEL DISTANCE	71' - 8"
FROM "E" TO EXIT 5 MAX. TRAVEL DISTANCE	62' - 3"
FROM "F" TO EXIT 2 MAX. TRAVEL DISTANCE	40' - 5"
FROM "G" TO EXIT 3 MAX. TRAVEL DISTANCE	30' - 3"
FROM "H" TO EXIT 4 MAX. TRAVEL DISTANCE	25' - 1"
FROM "I" TO EXIT 2 MAX. TRAVEL DISTANCE	29' - 5"
FROM "J" TO EXIT 4 MAX. TRAVEL DISTANCE	2' - 9"
FROM "J" TO EXIT 6 MAX. TRAVEL DISTANCE	15' - 0"
FROM "J" TO EXIT 11 MAX. TRAVEL DISTANCE	70' - 3"
FROM "K" TO EXIT 13 MAX. TRAVEL DISTANCE	107' - 2"
FROM "L" TO EXIT 7 MAX. TRAVEL DISTANCE	99' - 6"
FROM "M" TO EXIT 8 MAX. TRAVEL DISTANCE	126' - 6"
FROM "N" TO EXIT 8 MAX. TRAVEL DISTANCE	143' - 9"
FROM "O" TO EXIT 9 MAX. TRAVEL DISTANCE	103' - 10"
FROM "O" TO EXIT 10 MAX. TRAVEL DISTANCE	99' - 4"
FROM "P" TO EXIT 11 MAX. TRAVEL DISTANCE	80' - 9"
FROM "Q" TO EXIT 12 MAX. TRAVEL DISTANCE	77' - 3"
FROM "R" TO EXIT 4 MAX. TRAVEL DISTANCE	85' - 3"
FROM "S" TO EXIT 5 MAX. TRAVEL DISTANCE	126' - 9"

CONSTRUCTION NOTES

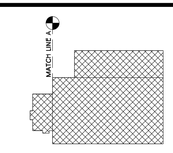
NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

1. NOTE: THIS PLAN IS INTENDED TO BE PRINTED AND VIEWED IN COLOR. BLUE AND RED LINES INDICATE VARIOUS FIRE BARRIERS, FIRE WALLS, OR SMOKE BARRIERS. SEE LIFE SAFETY LEGEND.
2. LOCATION OF KNOX BOX SHOWN ON DRAWING IS A RECOMMENDATION ONLY. GENERAL CONTRACTOR TO PURCHASE FROM AHJ AND INSTALL IN A LOCATION DETERMINED BY THE AHJ. CONTACT AHJ TO DETERMINE IF AN ADDITIONAL BOX IS REQUIRED.
3. SEE LIGHTING PLAN ON ELECTRICAL DWGS FOR EMERGENCY LIGHTING.
4. SEE ELECTRICAL/FIRE ALARM DRAWINGS FOR SMOKE & HEAT DETECTORS, CARBON MONOXIDE DETECTORS, AND ALL FIRE ALARM DEVICE LOCATIONS.
5. ALL EXIT SIGNS IN FINISHED OFFICE AREAS TO BE RECESSED MOUNT, EDGE LIT, LED – SEE ELECTRICAL DRAWINGS.
6. SPECIAL INSPECTIONS REQUIRED – SEE STRUCTURAL DRAWINGS.
7. RATED WALL ASSEMBLY WHERE INDICATED.
8. SPRINKLER ROOM TO HAVE A DOOR MOUNTED SIGN WITH RED LETTERS: "SPRINKLER ROOM"
9. ELECTRICAL ROOM TO HAVE A DOOR MOUNTED SIGN WITH RED LETTERS: "ELECTRIC ROOM".
10. EXIT SIGNS AND EMERGENCY LIGHTING WILL BE REQUIRED ON ALL MEZZANINES.
11. EXIT SIGNS WITHIN STORAGE AND EQUIPMENT AREAS ARE APPROXIMATE. ONCE A FINAL EQUIPMENT PLAN IS AVAILABLE, EXIT PATHS WILL NEED TO BE REVIEWED BY ALL PARTIES AND FINAL EXIT SIGN LOCATIONS DETERMINED SO AS TO BE READILY VISIBLE FROM ALL LOCATIONS, MAX. 100'-0" SIGHT LINE TO AN EXIT SIGN.
12. EXIT PATHS MAY CHANGE BASED ON FINAL DETERMINATION OF STORAGE AREAS/AISLES. ADDITIONAL EXIT ACCESS PATHS WILL BE DETERMINED PRIOR TO A C.O. BEING ISSUED. ADDITIONAL PATHS MAY REQUIRE ADDITIONAL LIFE SAFETY COMPONENTS (EXIT SIGNS, EMERGENCY LIGHTING, FIRE ALARM DEVICES, ETC.) OR ADJUSTMENTS TO THE EXISTING/PROPOSED LIFE SAFETY COMPONENTS.
13. ALL COLUMNS WITHIN INDUSTRIAL AREA THAT HAVE A FIRE EXTINGUISHER MOUNTED TO THEM ARE TO BE PAINTED WITH THREE HORIZONTAL 12" OSHA RED STRIPES AT 22'-0", 24'-0", AND 26'-0" AFF. ALL FOUR SIDES OF COLUMN.

LIFE SAFETY LEGEND

- 2 HOUR FIRE BARRIER
- 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- PATH OF EGRESS
- STRIPING
- EXIT SIGN
- DIRECTIONAL EXIT SIGN
- EM — EMERGENCY LIGHT
- EXIT SIGN WITH EMERGENCY LIGHTS
- FE — RECESSED FIRE EXTINGUISHER
- P — ADDRESSABLE MANUAL PULL STATION
- FE — FIRE EXTINGUISHER
- T — TRUSS SIGNAGE
- OL — OCCUPANCY LOAD SIGN
- KB — KNOX BOX LOCATION IF REQUIRED BY MUNICIPALITY

PROJECT NORTH



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FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

OVERALL FIRST FLOOR LIFE SAFETY PLAN

REV	DESCRIPTION	DATE	BY	CHK
D	ISSUED FOR CONSTRUCTION	08-28-21		
C	ISSUED FOR CONTRACT	08-23-21		
B	REVISED FOR RFP ADDENDUM 6	07-23-21		
A	ISSUED FOR RFP	07-06-21	JT	AS

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1 Huntington Quadrangle, 3S01 ph: 631-756-1060
Melville, NY. 11747 fax: 631-756-1064

	BY	DATE		
DRAWN	REA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ABG	07/06/21	DWG. NO: A-102	D
DESIGNED	ABG	07/06/21	CAD FILE:	
APPROVED	ABG	07/06/21		
APPROVED			SHEET SIZE: D–24x36	REV

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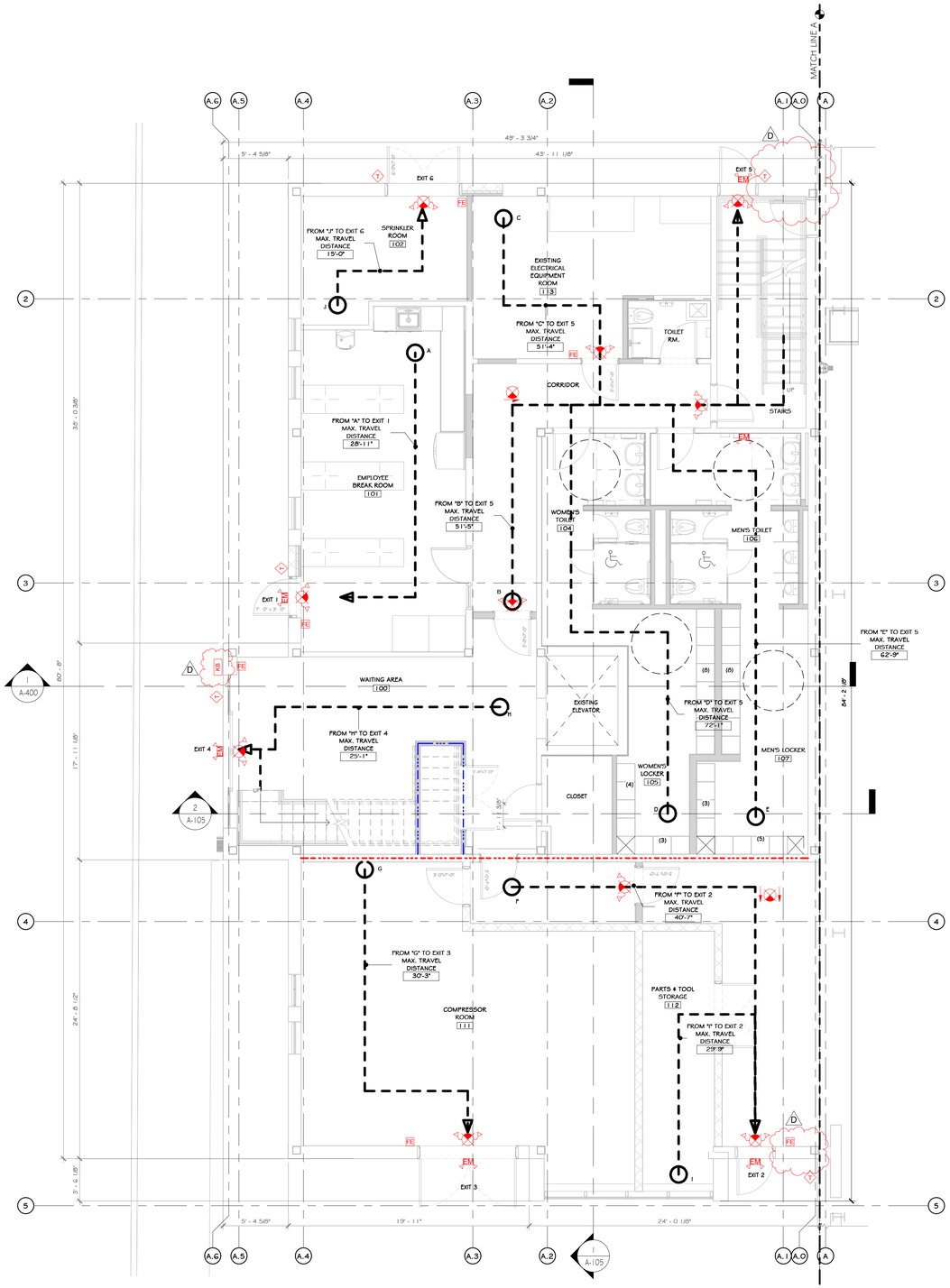

1 FIRST FLOOR LIFE SAFETY PLAN
3/16" = 1'-0"

MAX. TRAVEL DISTANCE SCHEDULE

PATH	MAX.TRAVEL DISTANCE
FROM "A" TO EXIT 1 MAX. TRAVEL DISTANCE	26' - 5"
FROM "B" TO EXIT 5 MAX. TRAVEL DISTANCE	50' - 11"
FROM "C" TO EXIT 5 MAX. TRAVEL DISTANCE	50' - 11"
FROM "D" TO EXIT 5 MAX. TRAVEL DISTANCE	71' - 8"
FROM "E" TO EXIT 5 MAX. TRAVEL DISTANCE	62' - 3"
FROM "F" TO EXIT 2 MAX. TRAVEL DISTANCE	40' - 5"
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FROM "J" TO EXIT 11 MAX. TRAVEL DISTANCE	70' - 3"
FROM "K" TO EXIT 13 MAX. TRAVEL DISTANCE	107' - 2"
FROM "L" TO EXIT 7 MAX. TRAVEL DISTANCE	99' - 6"
FROM "M" TO EXIT 8 MAX. TRAVEL DISTANCE	126' - 6"
FROM "N" TO EXIT 8 MAX. TRAVEL DISTANCE	143' - 9"
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FROM "Q" TO EXIT 12 MAX. TRAVEL DISTANCE	77' - 3"
FROM "R" TO EXIT 4 MAX. TRAVEL DISTANCE	85' - 3"
FROM "S" TO EXIT 5 MAX. TRAVEL DISTANCE	126' - 9"

CONSTRUCTION NOTES

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- 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- PATH OF EGRESS
- STRIPING
- EXIT SIGN
- DIRECTIONAL EXIT SIGN
- EM — EMERGENCY LIGHT
- EXIT SIGN WITH EMERGENCY LIGHTS
- FE — RECESSED FIRE EXTINGUISHER
- P — ADDRESSABLE MANUAL PULL STATION
- FE — FIRE EXTINGUISHER
- T — TRUSS SIGNAGE
- OL — OCCUPANCY LOAD SIGN
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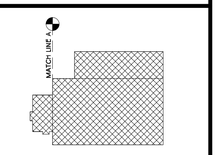
PROJECT

NORTH



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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

ENLARGED FIRST FLOOR OFFICE LIFE SAFETY PLAN

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-103	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

REV	DESCRIPTION	DATE BY CHK
D	ISSUED FOR CONSTRUCTION	
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	07-06-21 D.I. KS

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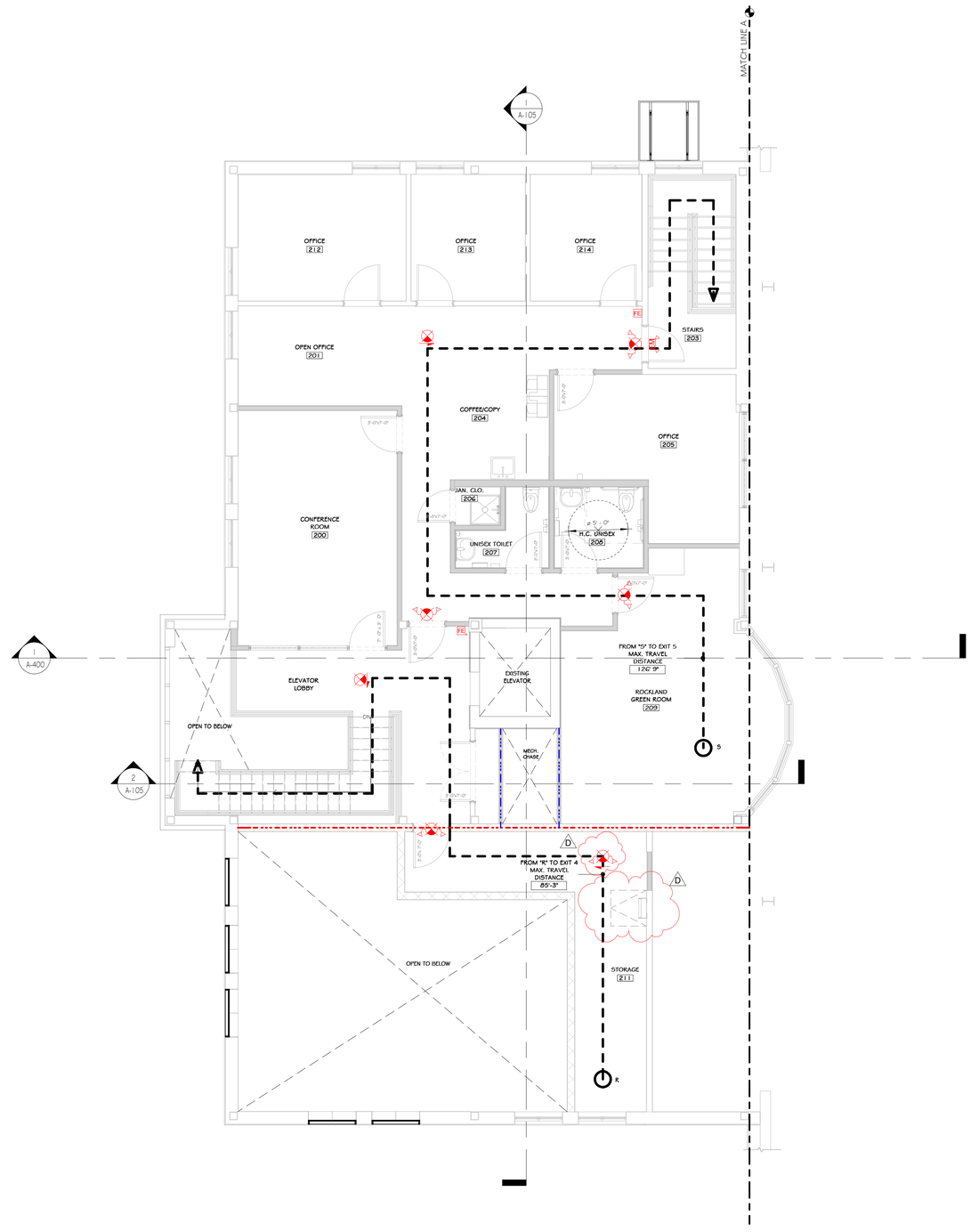

1 SECOND FLOOR LIFE SAFETY PLAN
3/16" = 1'-0"

MAX. TRAVEL DISTANCE SCHEDULE

PATH	MAX.TRAVEL DISTANCE
FROM "A" TO EXIT 1 MAX. TRAVEL DISTANCE	26' - 5"
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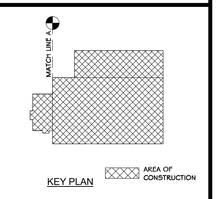
PROJECT NORTH



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ENLARGED SECOND FLOOR LIFE SAFETY PLAN

REV	DESCRIPTION	DATE	BY
D	ISSUED FOR CONSTRUCTION		
C	ISSUED FOR CONTRACT	08-27-21	
B	REVISED FOR RFP ADDENDUM 6	07-29-21	
A	ISSUED FOR RFP	07-09-21	AS

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	BY	DATE		
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CHECKED	ADG	07/06/21	DWG. NO: A-104	D
DESIGNED	ADG	07/06/21		
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APPROVED			SHEET SIZE: D-24x36	REV

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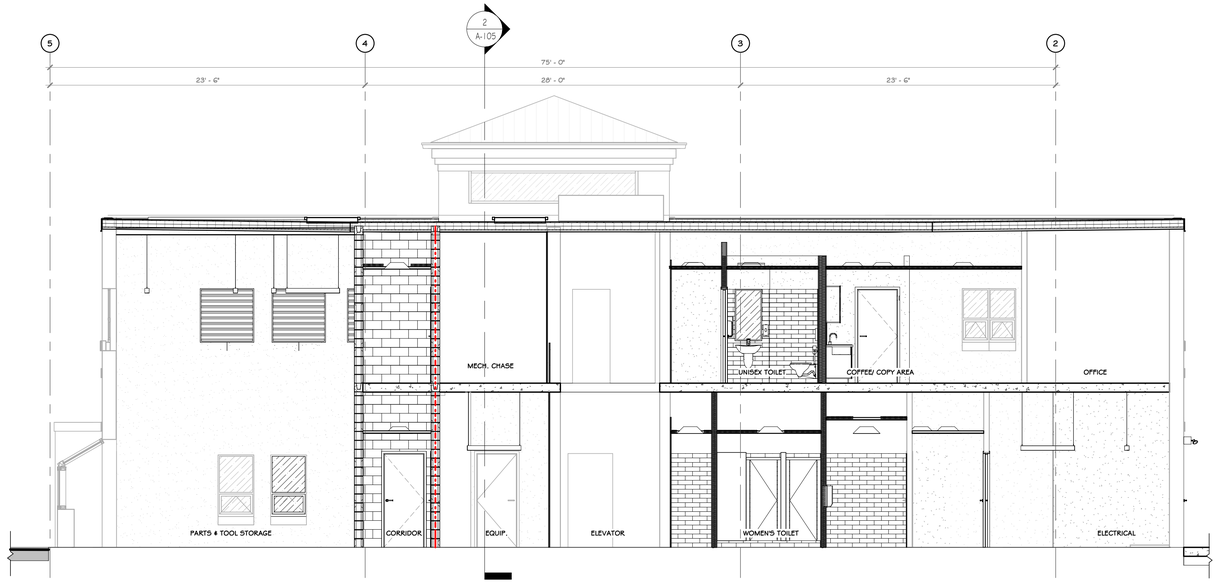
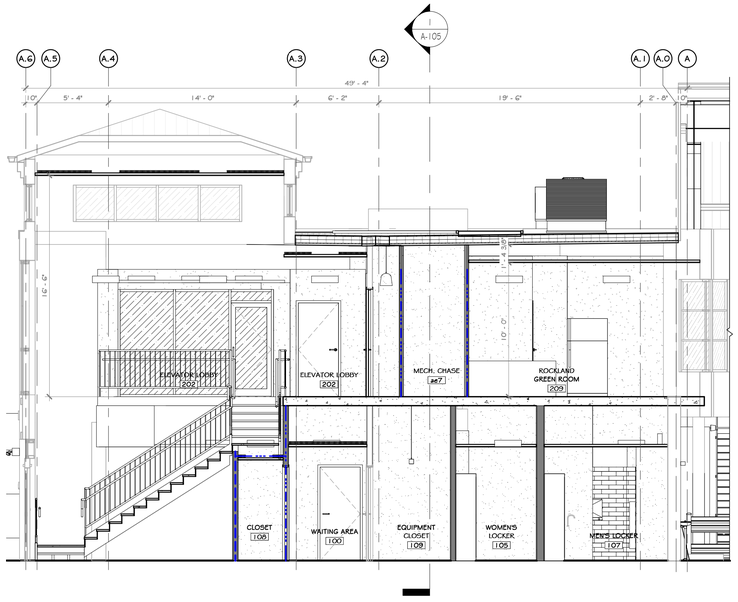


1 LIFE SAFETY SECTION THRU CORRIDOR
3/16" = 1'-0"



2 LIFE SAFETY SECTION
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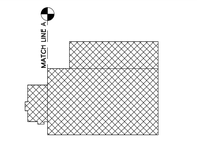
PROJECT NORTH



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C	ISSUED FOR CONTRACT	08-27-21	
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A	ISSUED FOR RFP	03-26-21	JG

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LIFE SAFETY SECTION

	BY	DATE		
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CHECKED	ADG	07/06/21	DWG. NO: A-105	D
DESIGNED	ADG	07/06/21		
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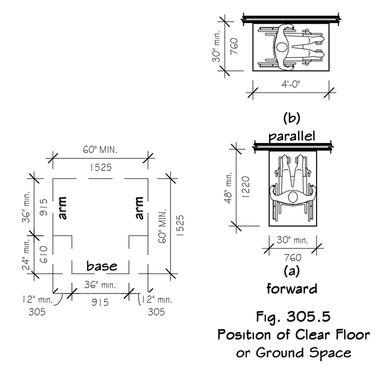
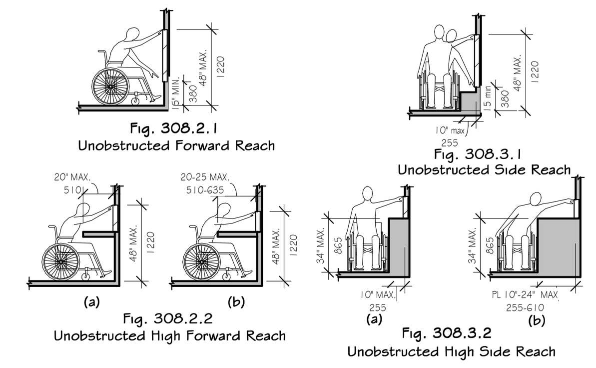
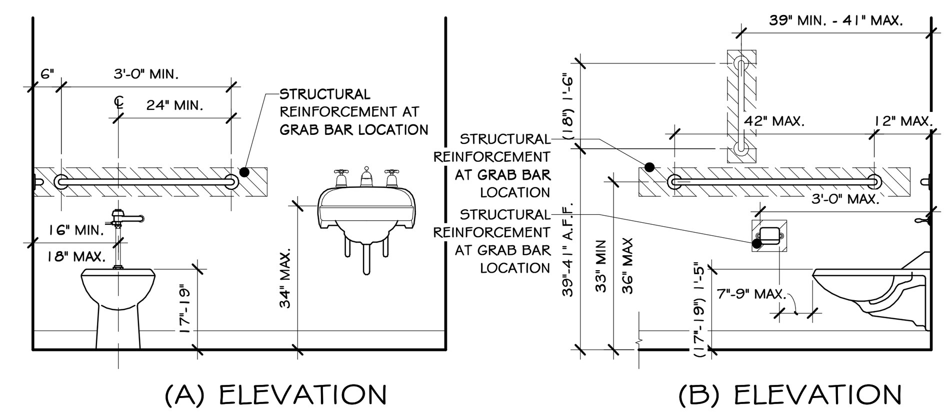
TABLE 7832.4		
SIGNS - VISUAL CHARACTER HEIGHT		
HEIGHT ABOVE FLOOR TO BASELINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
40 INCHES TO LESS THAN OR EQUAL TO 70 INCHES	LESS THAN 6 FEET	5/8 INCH
	6 FEET AND GREATER	5/8 INCH, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 6 FEET
GREATER THAN 70 INCHES TO LESS THAN OF EQUAL TO 120 INCHES	LESS THAN 15 FEET	2 INCH
	15 FEET AND GREATER	2 INCH, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 15 FEET
GREATER THAN 120 INCHES	LESS THAN 21 FEET	3 INCH
	21 FEET AND GREATER	3 INCH, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 21 FEET



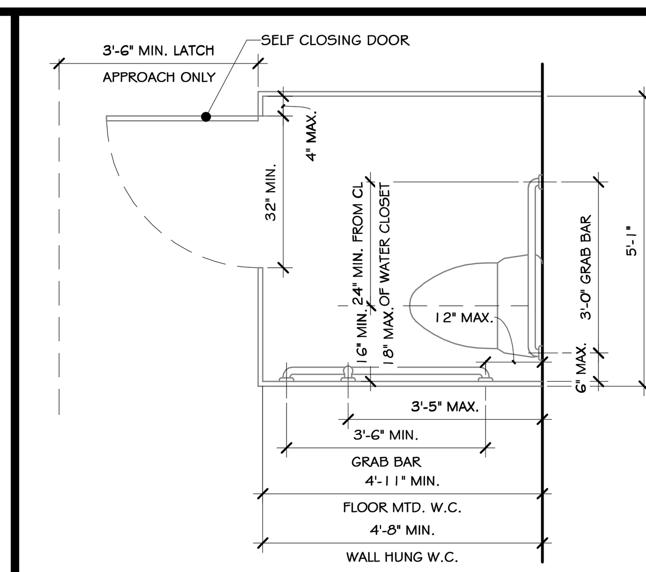
1 ACCESSIBLE CLEARANCE
1/8" = 1'-0"



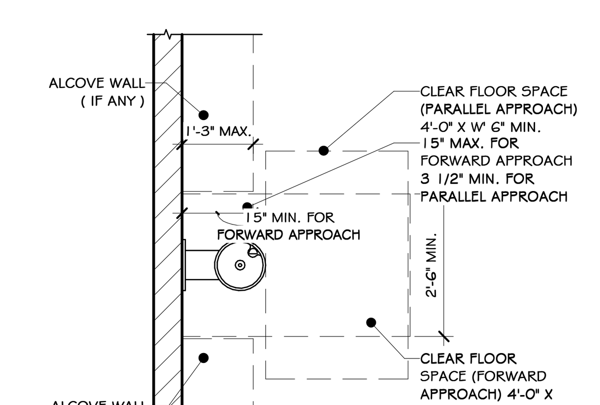
2 ADA ACCESSIBLE REACH
1/8" = 1'-0"



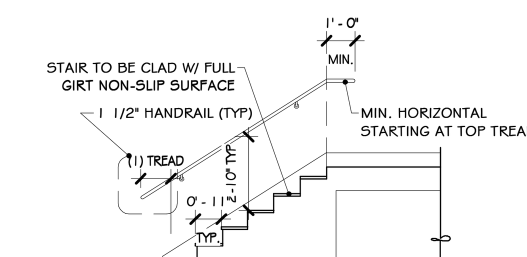
3 TYPICAL GRAB BAR & ACCESSIBLE TOILETS
3/8" = 1'-0"



4 ADA TOILET STALL PLAN
3/8" = 1'-0"

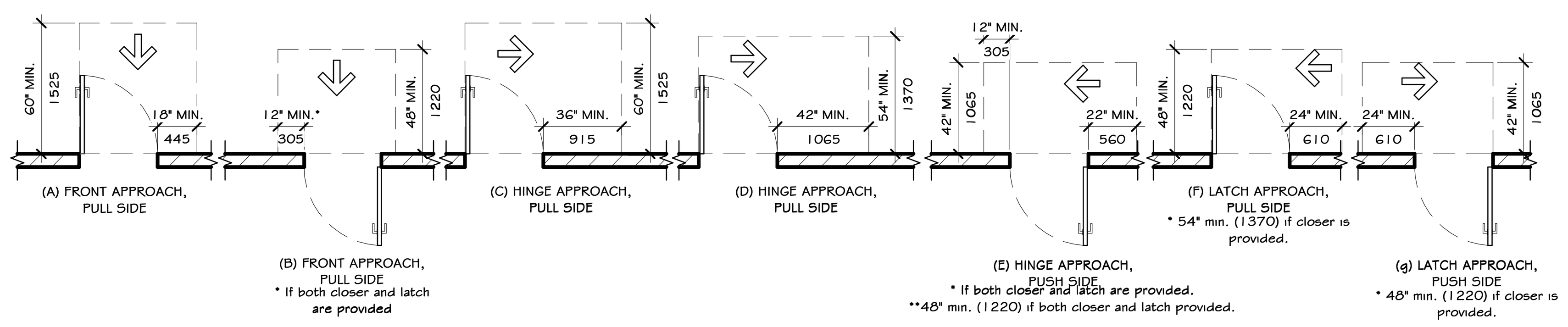


5 TYP. DRINKING FOUNTAIN PLAN
3/8" = 1'-0"

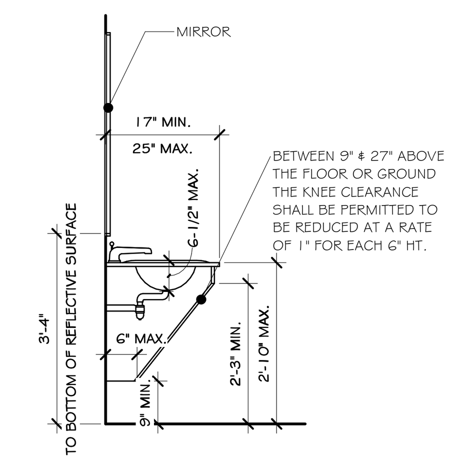


6 TYP. STAIR STANDARD
3/16" = 1'-0"

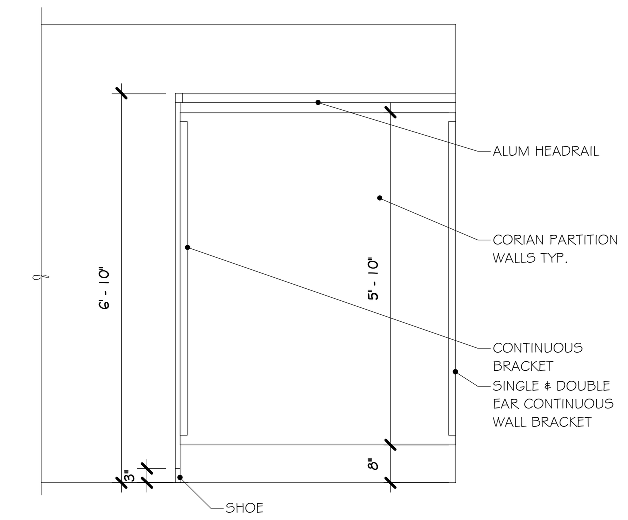
ICC/ANSI A117.2009 REFERENCE:	GENERAL NOTES ON ACCESSIBILITY: NOTES: IN THE EVENT THAT THE INFORMATION CONTRADICTS THE CURRENT UNIFORM CONSTRUCTION CODE SHALL SUPERSEDE. NOTE: BARRIER-FREE STANDARDS INDICATED HEREIN ARE TYPICAL. DIMENSIONS SHOWN ARE TYPICAL UNLESS INDICATED OTHERWISE IN THE DRAWINGS.
303	-ACCESSIBILITY IN NY IS GOVERNED BY THE 2020 BUILDING CODE OF NEW YORK STATE AND THE ICC/ANSI A117.2009 STANDARD. THE FOLLOWING NOTES ARE REQUIREMENTS OF THE ICC/ANSI.1 2009 STANDARD AND HAVE BEEN ADOPTED AS PART OF THE BUILDING LAWS OF THE STATE OF NEW YORK.
	-CHANGES IN LEVEL: A CHANGE IN LEVEL OF ¼" HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL AND WITHOUT EDGE TREATMENT. A CHANGE IN LEVEL OF BETWEEN ¼" AND ½" HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. CHANGES IN LEVEL GREATER THAT ½ SHALL BE RAMPED AND SHALL COMPLY WITH ICC/ANS A117.2009 SECTION 405 OR 406.
305.3	-THE CLEAR FLOOR SPACE REQUIRED FOR A SINGLE WHEELCHAIR SHALL BE 30 INCHES MINIMUM BY 48 INCHES MINIMUM.
307.2	-PROTRUDING OBJECTS: OBJECTS WITH LEADING EDGES LOCATED MORE THAN 27 INCHES AND NOT MORE THAN 80 INCHES ABOVE THE FLOOR SHAL PROTRUDE NOT MORE THAN 4 INCHES FROM THE WALL.
307.4	-RAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE VERTICAL CLEARANCE IS LESS THAN 80 INCHES HIGH. LEADING EDGE OF SUCH GUARDRAIL OR BARRIER SHALL BE 27 INCHES MAXIMUM ABOVE THE FLOOR OR GROUND.
403.5	-THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36 INCHES MINIMUM THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32 INCHES MINIMUM FOR A LENGTH OF 24 INCHES MAXIMUM PROVIDED THE REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48 INCHES MINIMUM IN LENGTH AND 36 INCHES MINIMUM WIDE.
404.2.7.1	- DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM.
404.2.7.2	-DOOR SPRINGS HINGES SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES THE DOOR SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM.
404.2.8	-DOOR OPENING FORCE WHERE CLOSERS ARE USED OTHER THAN FIRE DOORS SHALL BE 5 POUNDS MAXIMUM.
404.2.9	-THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE ON THE PUSH SIDE OF THE DOOR TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
405	-RAMPS SHALL HAVE A SLOPE NOT STEEPER THAN 1:12. THE MAXIMUM RISE FOR ANY RAMP WITHOUT A LANDING IS 30 INCHES. THE RAMP SHALL HAVE A CLEAR WIDTH OF 36 INCHES. LANDING LENGTH SHALL BE A MINIMUM OF 60 INCHES. RAMPS THAT CHANGE DIRECTION AT LANDINGS SHALL HAVE A 60 INCH MINIMUM X 60 INCH MINIMUM LANDING. RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL HAVE HANDRAILS COMPLYING WITH ICC/ANSI: A117.2009 SECTION 505 (EXCEPTIONS: SECTION 405.9).
502 503	-ACCESSIBLE PARKING SPACES SHALL BE 96 INCHES WIDE AND HAVE AN ADJACENT ACCESS AISLE OF NOT LESS THAN 60 INCHES MINIMUM AND SHALL EXTEND THE FULL LENGTH OF THE SPACE THEY SERVE. PASSENGER LOADING ZONES SHALL PROVIDE AN ADJACENT ACCESS AISLE OF 60 INCHES WIDE AND 20 FEET LONG MINIMUM ADJACENT TO THE VEHICLE PULL-UP SPACE AND AT THE SAME LEVEL AS THE ROADWAY VAN PARKING SPACE SHALL PROVIDE AN ADJACENT ACCESS AISLE OF 96 INCHES MINIMUM WIDTH.
504.2.3	-STAIR TREADS AND RISERS SHALL BE AS FOLLOWS: STAIR TREADS SHALL BE MINIMUM OF 11 INCHES DEEP, STAIR RISERS SHALL BE 4 INCHES MIN. AND MAXIMUM OF 7 INCHES HIGH. OPEN RISERS ARE NOT PERMITTED.
505.4.5	-HANDRAILS: THE TOP OF GRIPPING SURFACE OF HANDRAILS SHALL BE 34 INCHES MINIMUM AND 38 INCHES MAXIMUM VERTICALLY ABOVE THE STAIR NOSING OR RAMP SURFACE CLEAR SPACE BETWEEN HANDRAILS AND WALL SURFACE SHALL BE 1-1/2 INCHES MINIMUM.
603.2.3	-DOORS MAY SWING INTO A TOILET ROOM IF THE ROOM IS FOR INDIVIDUAL USE ONLY AND A CLEAR FLOOR SPACE OF 30 INCHES BY 48 INCHES IS PROVIDED WITHIN THE ROOM BEYOND THE ARC OF THE DOOR.
603.3	-BATHROOM MIRRORS LOCATED ABOVE LAVATORIES SHALL BE LOCATED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES MAXIMUM ABOVE THE FLOOR.
604.4	-WATER CLOSETS: THE TOP OF THE WATER CLOSET SHALL BE 17" MINIMUM, 19" MAXIMUM ABOVE THE FLOOR.
606.5	-THE FRONT OF BATHROOM LAVATORIES AND SINKS SHALL BE MOUNTED WITH THE RIM 34 INCHES MAXIMUM ABOVE THE FLOOR.
606.6	-WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS WHICH ARE EXPOSED SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES.
609.2.3	-GRAB BARS SHALL HAVE A DIAMETER OR WIDTH OF GRIPPING SURFACES FROM 1-1/4 INCHES MINIMUM TO 2 INCHES MAXIMUM. THE CLEAR SPACE BETWEEN THE GRAB BAR SURFACE AND THE WALL SURFACE SHALL BE 1-1/2 INCHES MINIMUM.
609.8	-STRUCTURAL STRENGTH: ALLOWABLE STRESSES IN BENDING, SHEAR AND TENSION SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OR 250 POUNDS IS APPLIED TO ANY POINT ON THE GRAB BAR, SEAT FASTENER MOUNTING DEVISE OR SUPPORTING STRUCTURE.
703.3.1	-TACTILE CHARACTERS SHALL COMPLY WITH ANSI A117.2009 SECTION 703.3 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH SECTION 703.4 BRAILLE MOUNTING HEIGHT SHALL BE 48 INCHES MINIMUM AND 60 INCHES MAXIMUM A.F.F. MEASURED TO BASELINE OF BRAILLE CELLS.
703.3.4	-CHARACTERS SHALL BE UPPER CASE: SAN SERIF. THEY SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE OR OF OTHER UNUSUAL FORMS. FOR OTHER SIGNAGE REQUIREMENTS REFER TO ICC/ANSI A117.2009 SECTION 703.



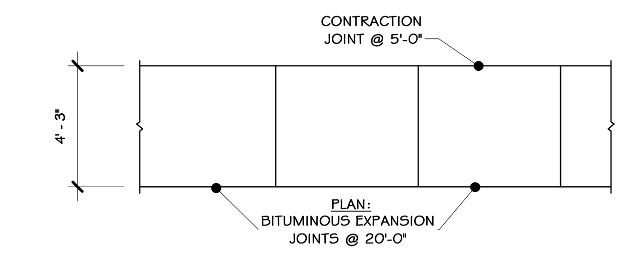
7 MANEUVERING CLEARANCE @ MANUAL SWINGING DOORS
3/16" = 1'-0"



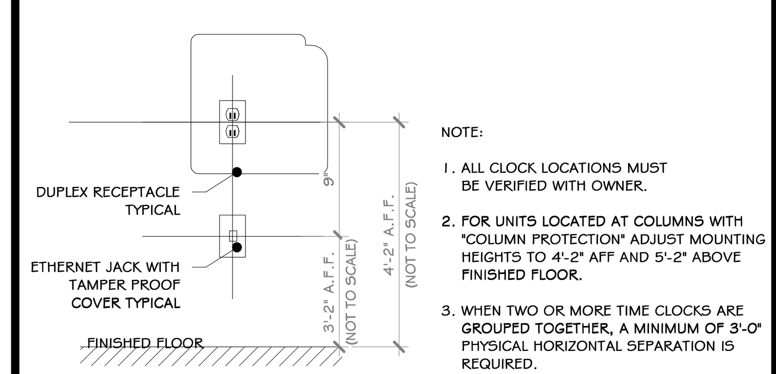
8 ADA LAVATORY SECTION
3/8" = 1'-0"



9 TYP. SIDE ELEV. OF TOILET PART.
3/8" = 1'-0"



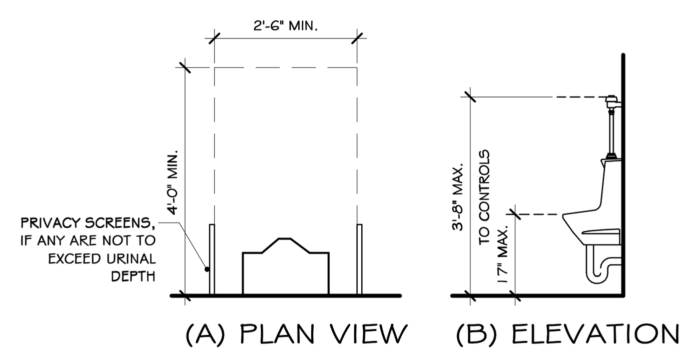
10 CONCRETE SIDEWALK-PLAN
3/16" = 1'-0"



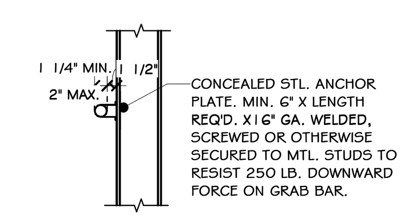
NOTE:

1. ALL CLOCK LOCATIONS MUST BE VERIFIED WITH OWNER.
2. FOR UNITS LOCATED AT COLUMNS WITH "COLUMN PROTECTION" ADJUST MOUNTING HEIGHTS TO 4'-2" AFF AND 5'-2" ABOVE FINISHED FLOOR.
3. WHEN TWO OR MORE TIME CLOCKS ARE GROUPED TOGETHER, A MINIMUM OF 3'-0" PHYSICAL HORIZONTAL SEPARATION IS REQUIRED.

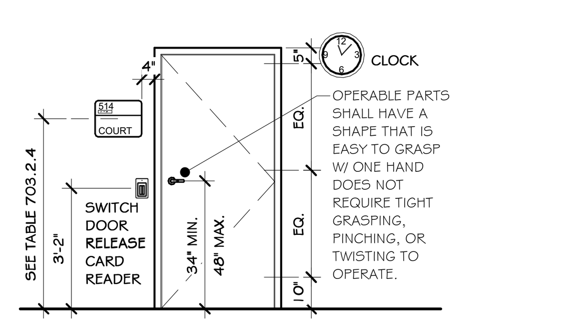
11 TIME CLOCK RECEPTACLES ELEV.
1" = 1'-0"



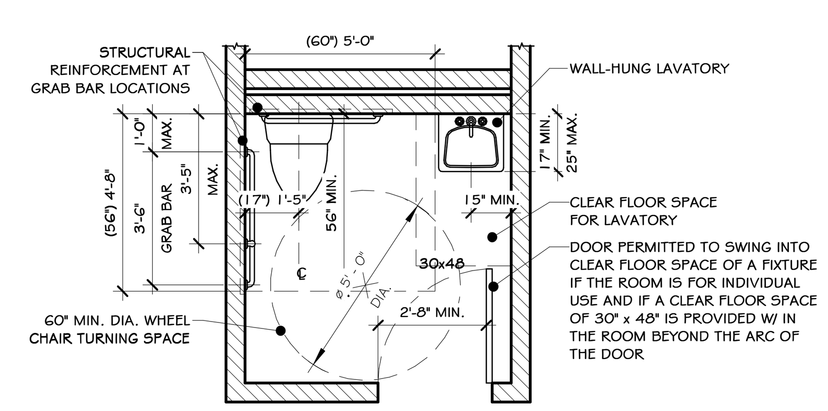
12 ADA URINAL DETAIL
3/8" = 1'-0"



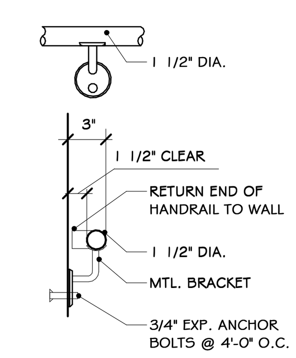
13 TYPICAL GRAB BAR DETAIL
1/2" = 1'-0"



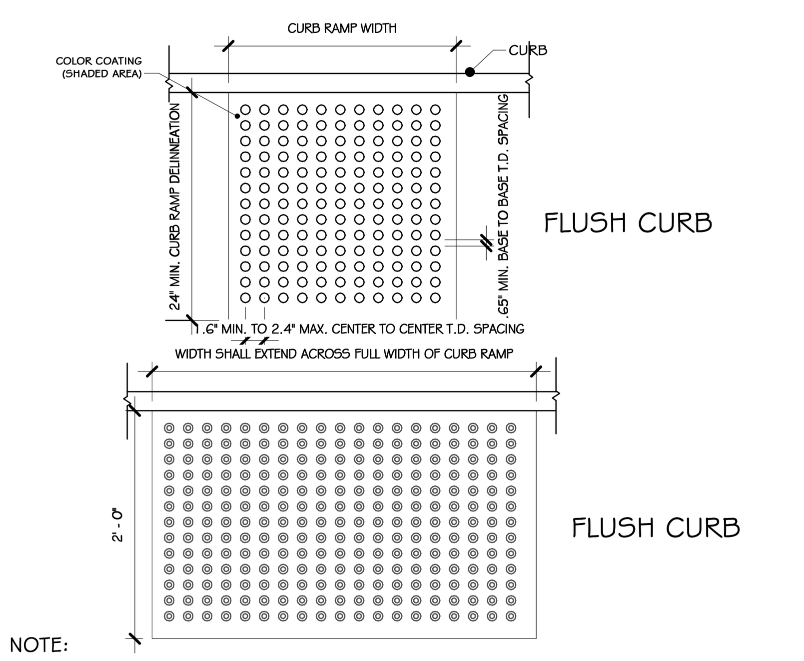
14 INTERIOR DOOR SIGN DETAIL
1/4" = 1'-0"



15 TYPICAL ACCESSIBLE TOILET ROOM PLAN
1/4" = 1'-0"



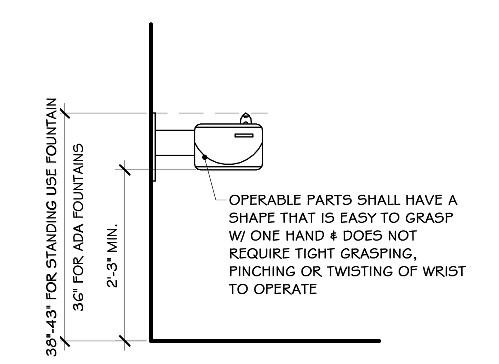
16 HANDRAIL DETAIL
1" = 1'-0"



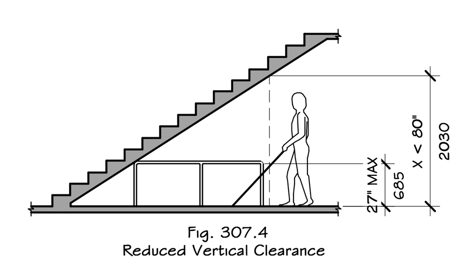
NOTE:

1. THE DETECTABLE WARNING SURFACE SHALL BE MANUFACTURED MATS THAT ARE EMBEDDED AND CAST-IN-PLACE IN THE CONCRETE.
2. IN LIEU OF CAST IN PLACE DETECTABLE WARNING SURFACE, THE CONTRACTOR MAY UTILIZE A SURFACE APPLIED DETECTABLE WARNING SURFACE WITH PRIOR APPROVAL OF THE A.O.R AND PRIOR TO POURING OF THE CONCRETE RAMP.
3. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT A SHOP DRAWING OF THE DETECTABLE WARNING SURFACE PRIOR TO CONSTRUCTION FOR APPROVAL.
4. THE CONTRACTOR SHALL PROVIDE A MANUFACTURER CERTIFICATION THAT THE DETECTABLE WARNING SURFACE COMPLIES WITH ANSI 117.1 2009
5. SAFETY RED SHALL BE APPROVED BY THE LOCAL JURISDICTION PRIOR TO INSTALLATION. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON LIGHT. ALTERNATIVE COLOR MAY BE USED PROVIDED SUCH COLOR COMPLIES WITH CURRENT ADA STANDARDS.
6. DETECTABLE WARNINGS SHALL CONSIST OF A SURFACE OF TRUNCATED DOMES AND SHALL COMPLY DETECTABLE WARNINGS.
7. TRUNCATED DOMES IN DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF .9 INCH (23MM) MINIMUM AND 1.4 INCHES (35MM) MAXIMUM, A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM, AND A HIEGHT OF 0.2 INCH (5.1MM).

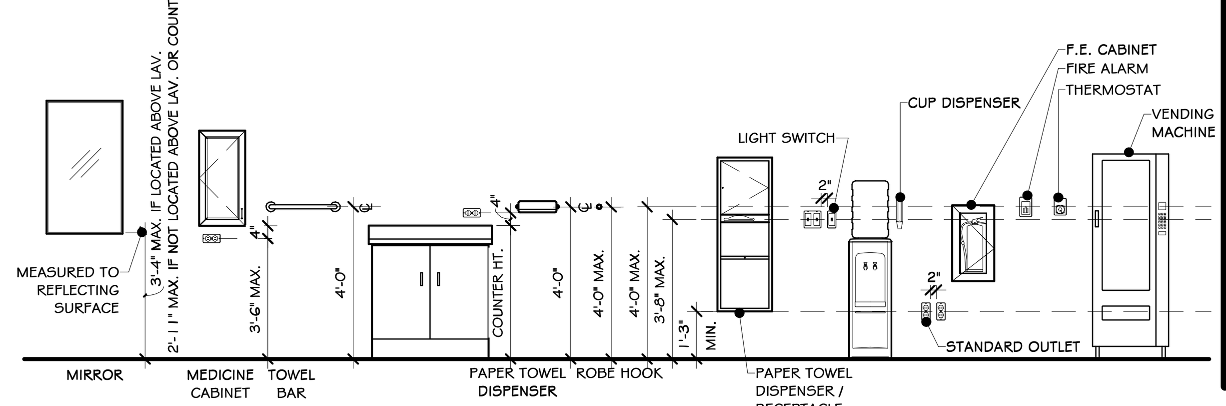
17 CONC. SIDEWALK DETAIL
3/4" = 1'-0"



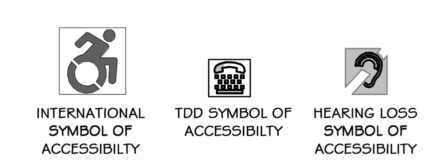
18 TYP. DRINKING FOUNTAIN ELEV.
1/2" = 1'-0"



19 REDUCED VERTICAL CLEARANCE
1/8" = 1'-0"



20 TYPICAL ACCESSIBLE MOUNTING HEIGHTS
1/4" = 1'-0"



21 ADA INT. SYMBOLS & SIGNS
1 1/2" = 1'-0"

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D	ISSUED FOR CONSTRUCTION	09-28-21
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
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FACILITY IMPROVEMENTS
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ACCESSIBLE TYPICAL DETAILS

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-106	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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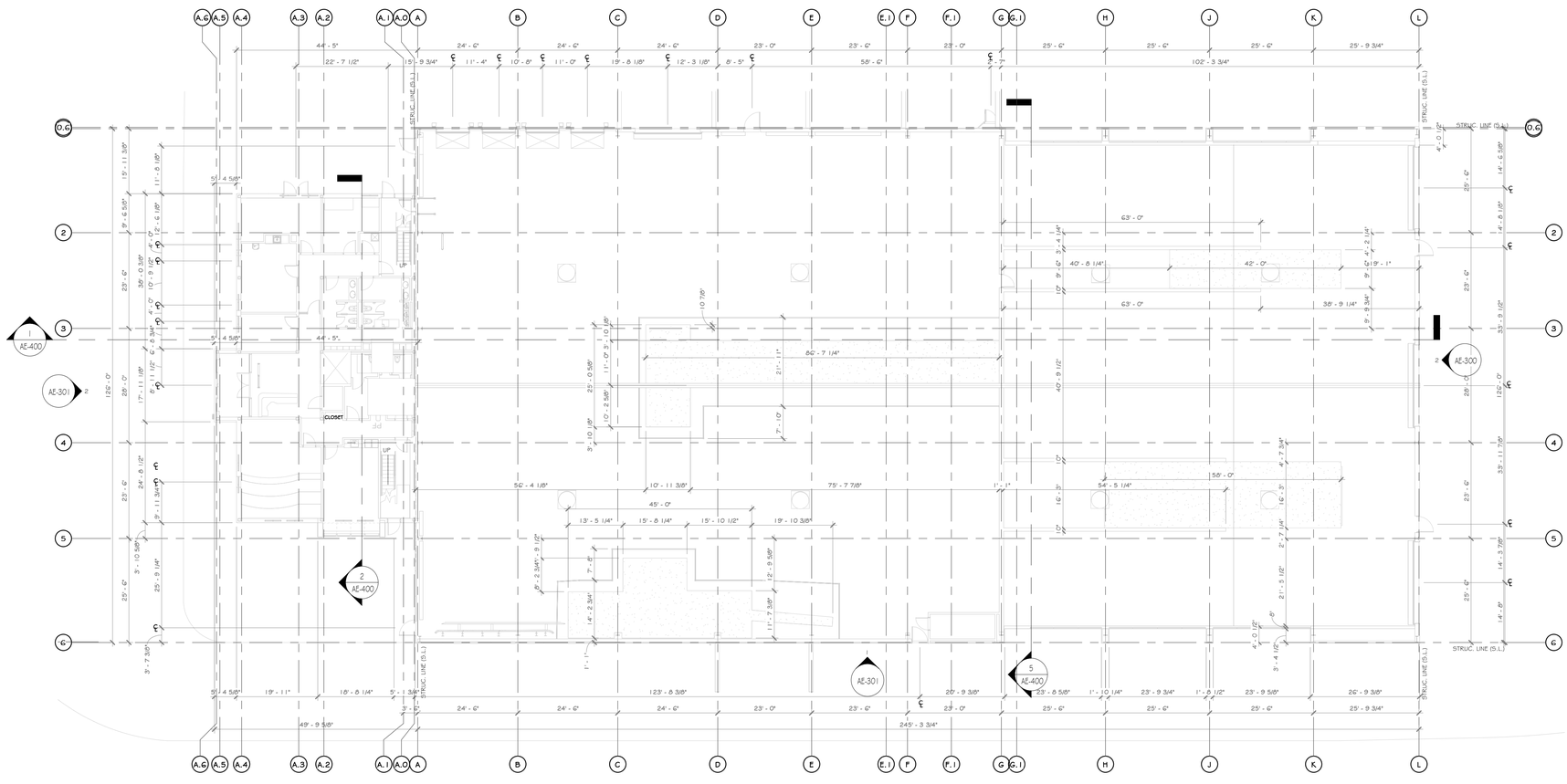

1 EXISTING OVERALL FIRST FLOOR PLAN
1/16" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

1. U.O.N. ALL EXISTING INTERIOR WALLS ARE METAL STUDS WITH GYPSUM BOARD
2. WITH THE EXCLUSION OF THE OFFICE, U.O.N. ALL EXISTING EXTERIOR WALLS ARE PEMB STRUCTURAL GIRTS WITH METAL PANELS
3. EXISTING OFFICE STRUCTURE TO REMAIN UNCHANGED.
4. EXISTING STEEL COLUMNS AND ROOF GIRTS TO REMAIN UNCHANGED
5. EXISTING UTILITIES ARE TO BE REMOVED, SEE MEP AND CIVIL DRAWINGS
6. EXISTING WINDOWS, DOORS TO REMAIN, U.O.N.
7. EXISTING EXGRESS DOORS TO REMAIN, U.O.N.
8. EXISTING MECHANICAL ROOM TO REMAIN
9. EXISTING ELECTRICAL PANELS TO REMAIN
10. EXISTING METAL PANEL SIDING TO REMAIN, U.O.N.
11. EXISTING CONCRETE FOUNDATION WALLS TO REMAIN
12. EXISTING ROOF OVERHANG, SOFFIT, AND FACIA TO BE REMOVED WHERE REQUIRED FOR NEW ADDITION
13. EXISTING ROOF LEADERS ARE TO REMAIN, UNLESS OTHERWISE MODEFIED BY NEW ADDITION.
14. SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, OR FIRE PROTECTION DRAWINGS FOR ADDITIONAL EXISTING INFORMATION RELATED TO THOSE RESPECTIVE DISCIPLINES

WALL LEGEND

EXISTING WALL

PROJECT

PROJECT

NORTH

EXISTING BLDG.

KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
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FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

EXISTING OVERALL FIRST FLOOR PLAN

REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION		10-28-21
C	ISSUED FOR CONTRACT		08-25-21
B	REVISED FOR RFP ADDENDUM 6		07-29-21
A	ISSUED FOR RFP		07-06-21

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	BY	DATE
DRAWN	JDEA	05/21/21
CHECKED	ADG	07/06/21
DESIGNED	ADG	07/06/21
APPROVED	ADG	07/06/21
APPROVED		

PROJ. No: 499-010
SCALE: AS SHOWN
DWG. NO: AE-200
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CAD FILE:
SHEET SIZE: D-24x36
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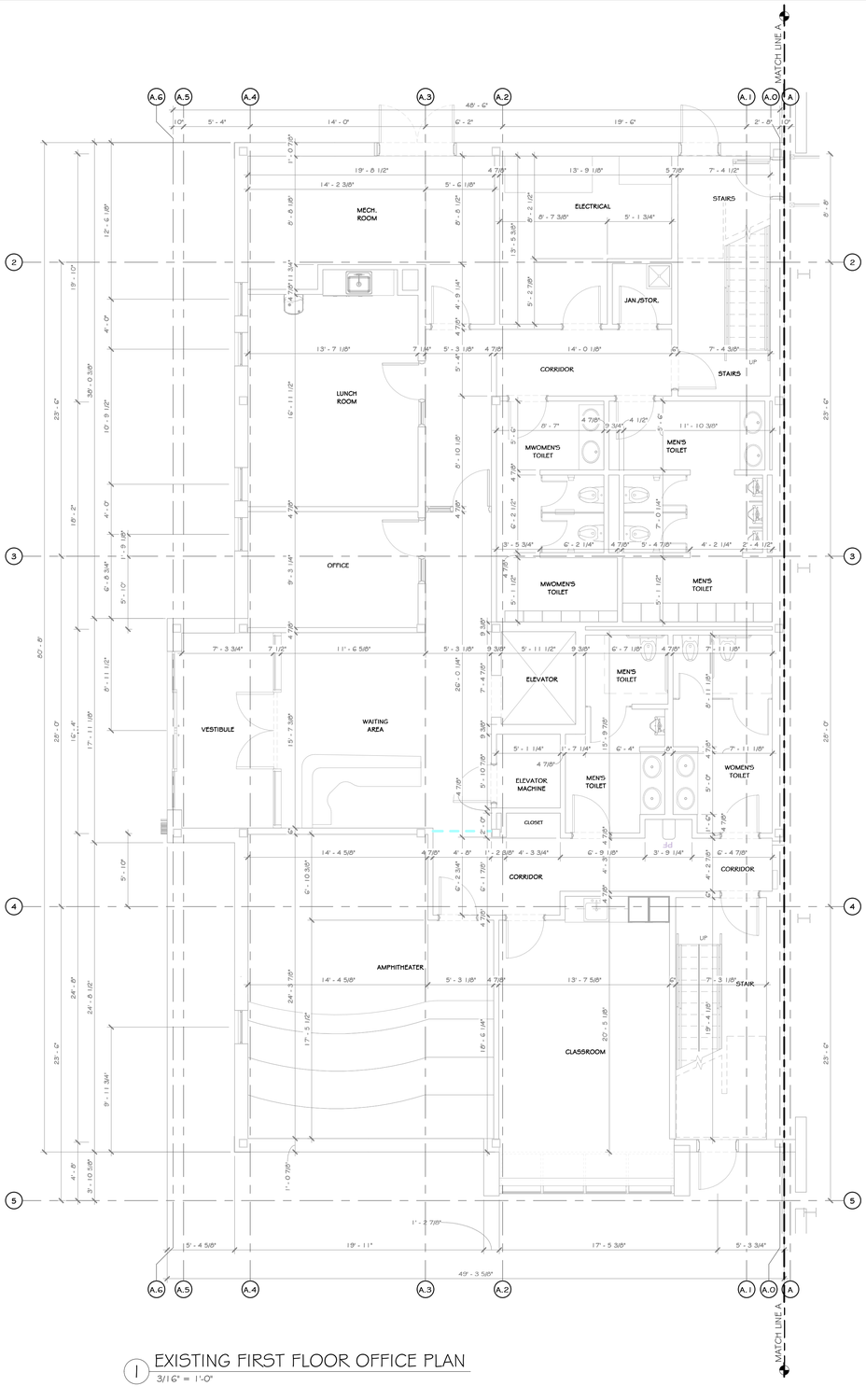
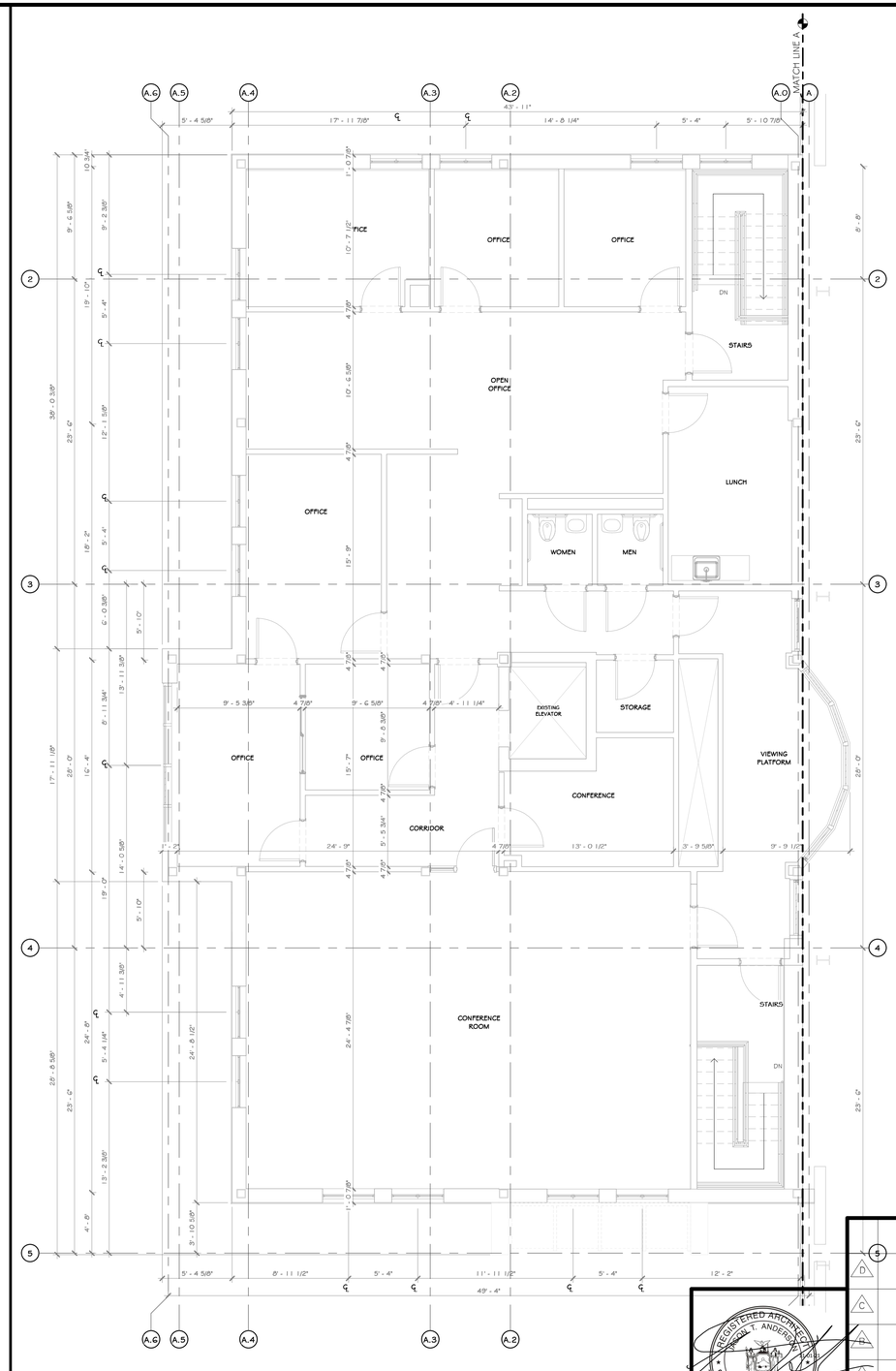


1 EXISTING FIRST FLOOR OFFICE PLAN
3/16" = 1'-0"



2 EXISTING SECOND FLOOR OFFICE PLAN
3/16" = 1'-0"

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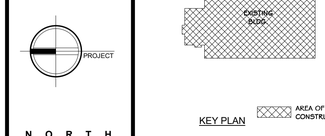
WALL LEGEND

EXISTING WALL

PROJECT



NORTH

KEY PLAN — AREA OF CONSTRUCTION

STERLING
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Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

ENLARGED EXISTING OFFICE FLOOR PLANS

REV	DESCRIPTION	DATA BY	CHK
D	ISSUED FOR CONSTRUCTION	05-28-21	
C	ISSUED FOR CONTRACT	04-23-21	
B	REVISED FOR RFP ADDENDUM 6	07-23-20	
A	ISSUED FOR RFP	07-06-20	AS

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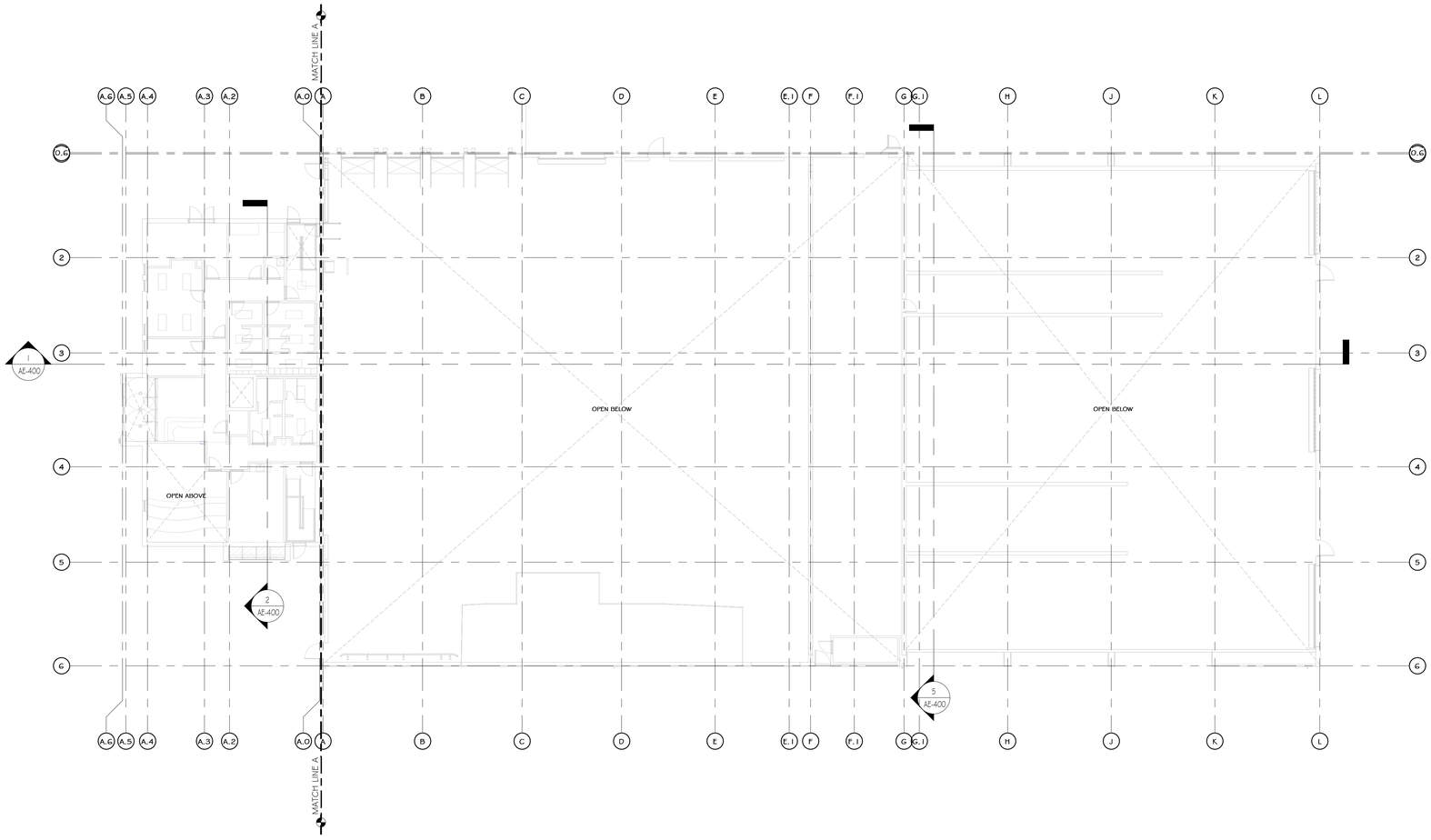
1 Huntington Quadrangle, 3S01 ph: 631-756-1060
Melville, N.Y. 11747 fax: 631-756-1064

	BY	DATE
DRAWN	DEA	06/21/21
CHECKED	ADG	07/06/21
DESIGNED	ADG	07/06/21
APPROVED	ADG	07/06/21
APPROVED		

PROJ. No: 499-010 SCALE: AS SHOWN
DWG. NO: AE-201 D
CAD FILE:
SHEET SIZE: D-24x36 REV



1 EXISTING FIRST FLOOR REFLECTED CEILING PLAN
1/16" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

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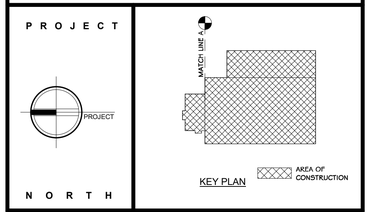
CEILING FINISH SCHEDULE

NOTE: ELECTRICAL DRAWINGS SHALL SUPERSEDE THIS SCHEDULE AND INFORMATION FOUND ON LIGHTING ON THIS SHEET.

MARK	NAME	SYMBOL	COLOR & MATERIAL SPECS	SPECS.	MANUF.	NOTES	AREA
C-1	(09.5105.01) 24"x24" TEGULAR CEILING TILE		24"x24" TEGULAR TILE	ACOUSTICAL PANELS ULTIMA LAY IN #1902	ARMSTRONG		6779 SF
C-2	GYPSUM WALL BOARD		HARMONY INTERIOR PAINT SW7005, "PURE WHITE"	PAINTED	SHERWIN WILLIAMS		285 SF
C-3	EXPOSED CEILING		HARMONY INTERIOR PAINT SW7005, "PURE WHITE"	PAINTED ROOF STRUCTURE	SHERWIN WILLIAMS		127141 SF
C-4	(09.5105.__) 24"x24" TEGULAR CEILING TILE		24"x24" TEGULAR TILE	OPTIMA HEALTH ZONE PB	ARMSTRONG		1184 SF

PROJECT NORTH



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B	REVISED FOR RFP ADDENDUM 6	07-23-21		
A	ISSUED FOR RFP	03-26-21	IS	AS

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Melville, NY 11747 fax: 631-756-1064

EXISTING FIRST FLOOR RCP

	BY	DATE			
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN	
CHECKED	ADG	07/06/21	DWG. NO: AE-202		D
DESIGNED	ADG	07/06/21			
APPROVED	ADG	07/06/21	CAD FILE:		
APPROVED			SHEET SIZE: D-24x36		REV

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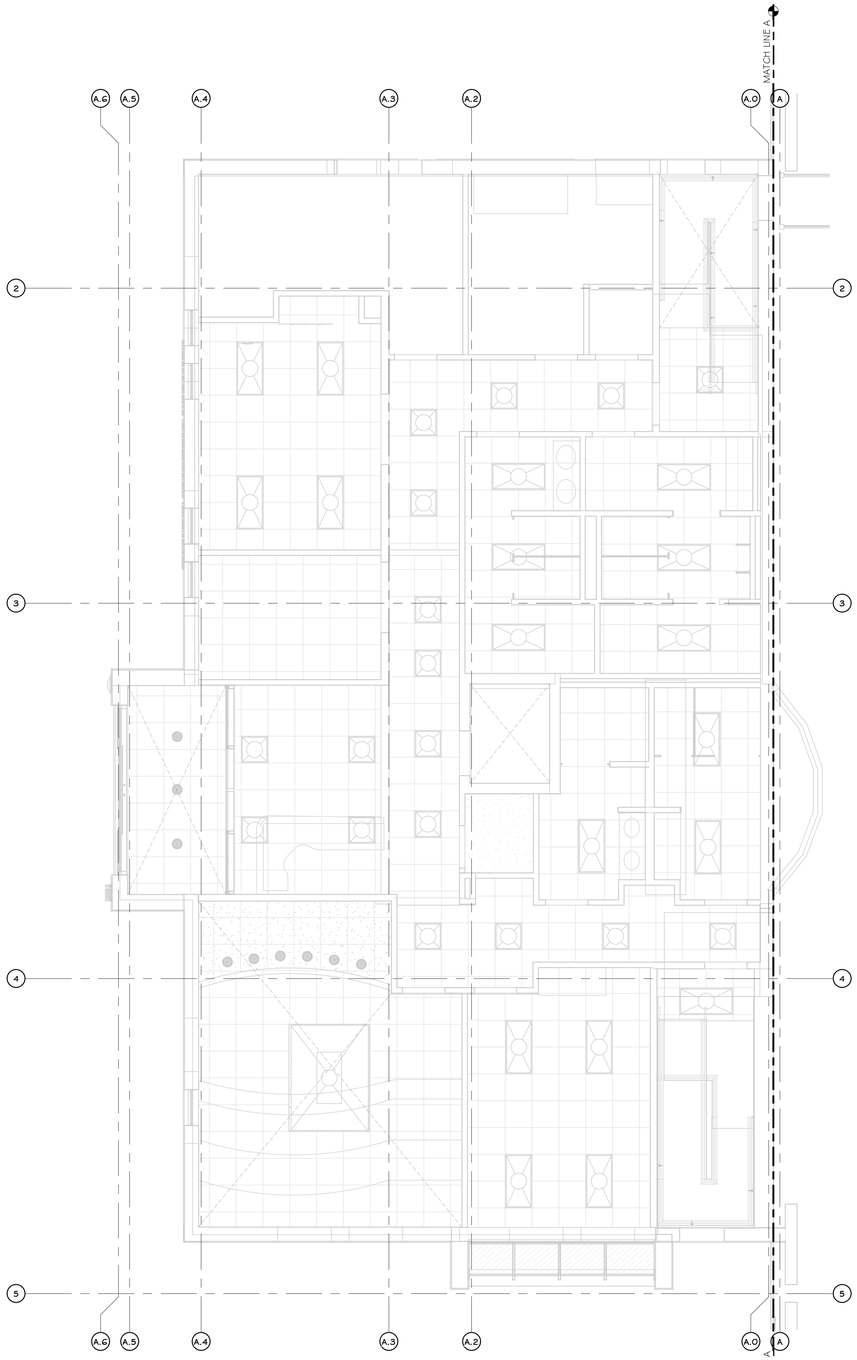
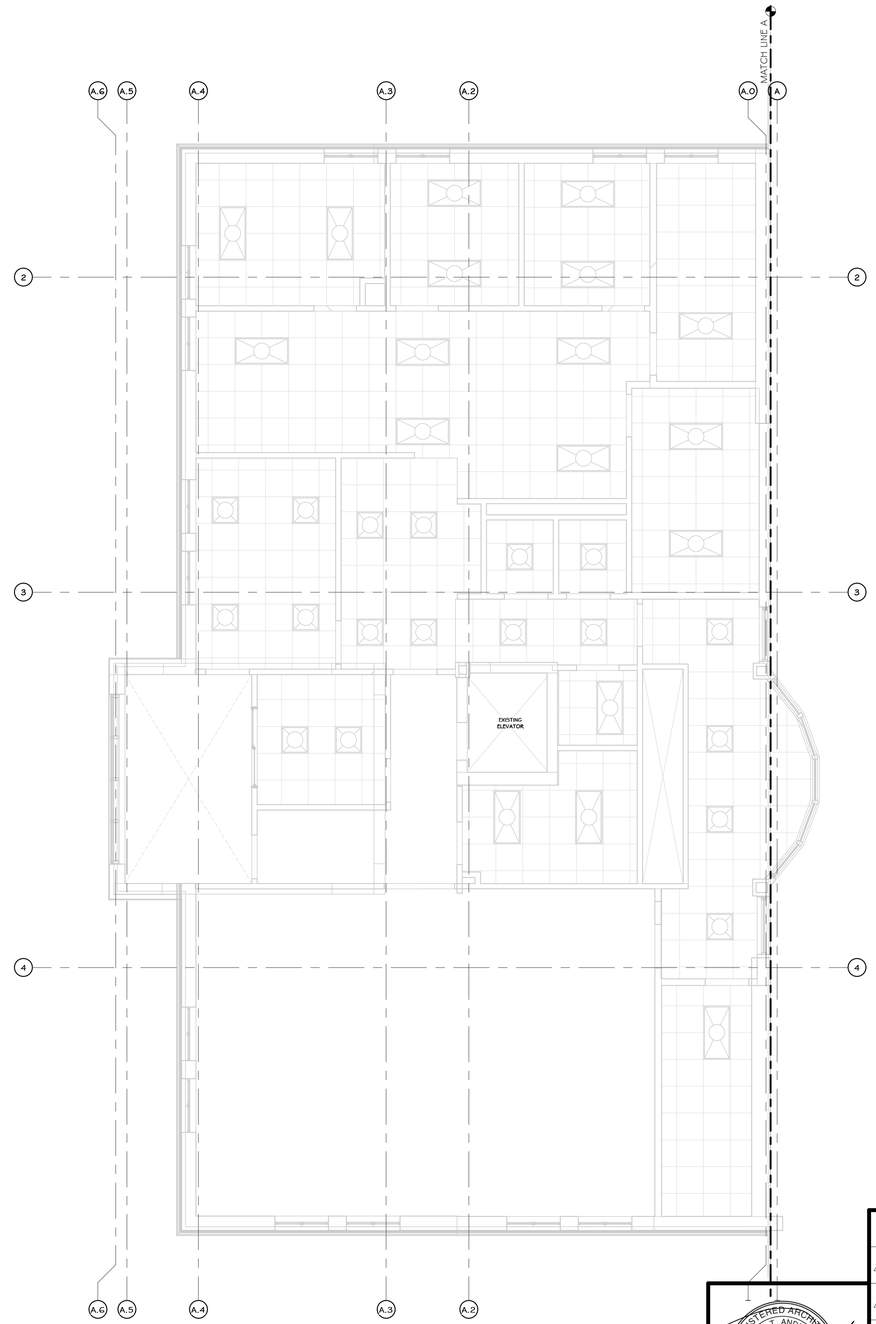


1 EXISTING FIRST FLOOR OFFICE REFLECTED CEILING PLAN
3/16" = 1'-0"



2 EXISTING SECOND FLOOR OFFICE REFLECTED CEILING PLAN
3/16" = 1'-0"

CONSTRUCTION NOTES

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CEILING FINISH SCHEDULE

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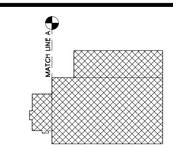
PROJECT

NORTH



KEY PLAN

AREA OF CONSTRUCTION

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martinrogers
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EXISTING ENLARGED OFFICE REFLECTED CEILING PLAN

	BY	DATE
DRAWN	IDEA	07/06/21
CHECKED	ADG	07/06/21
DESIGNED	ADG	07/06/21
APPROVED	ADG	07/06/21
APPROVED		

PROJ. No: 499-010 | SCALE: AS SHOWN
DWG. NO: AE-203 | D
CAD FILE:
SHEET SIZE: D-24x36 | REV

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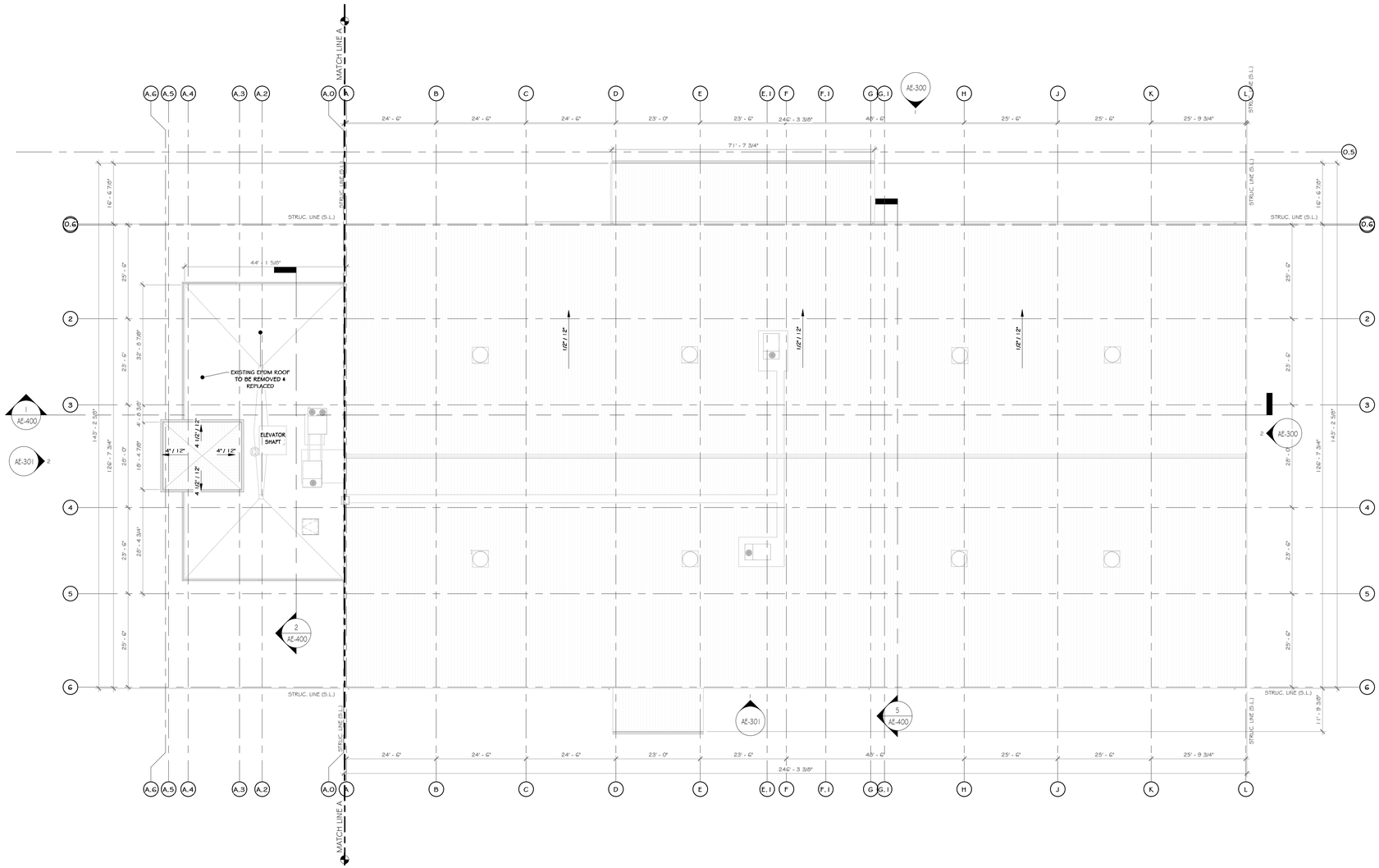

1 EXISTING ROOF PLAN
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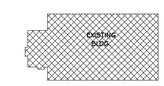
PROJECT

NORTH



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DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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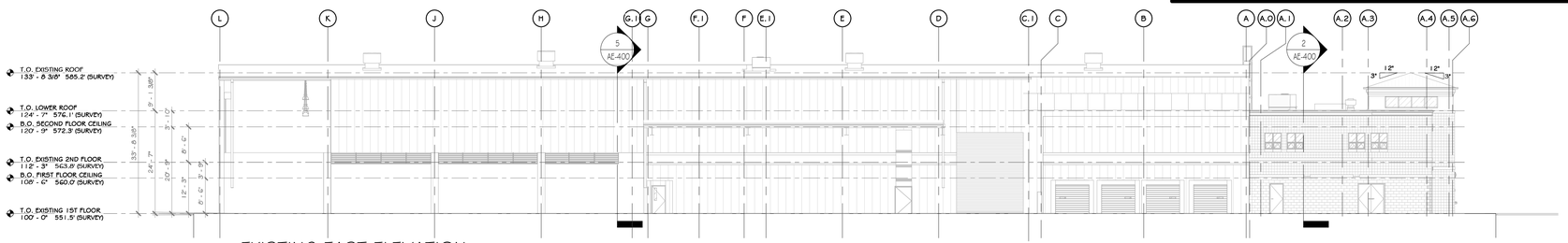

1 EXISTING EAST ELEVATION
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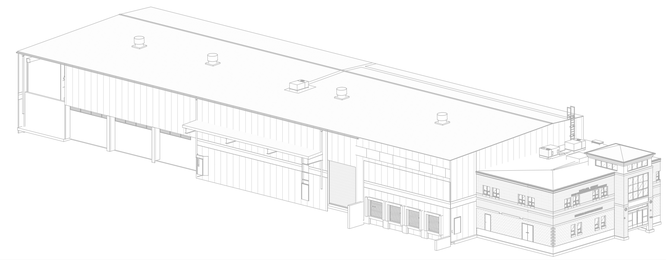

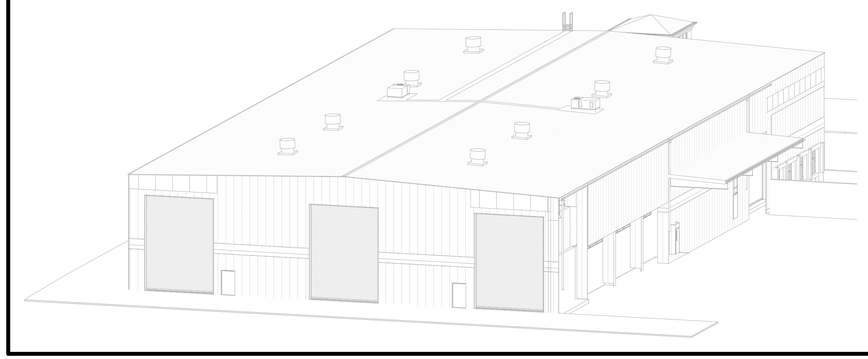

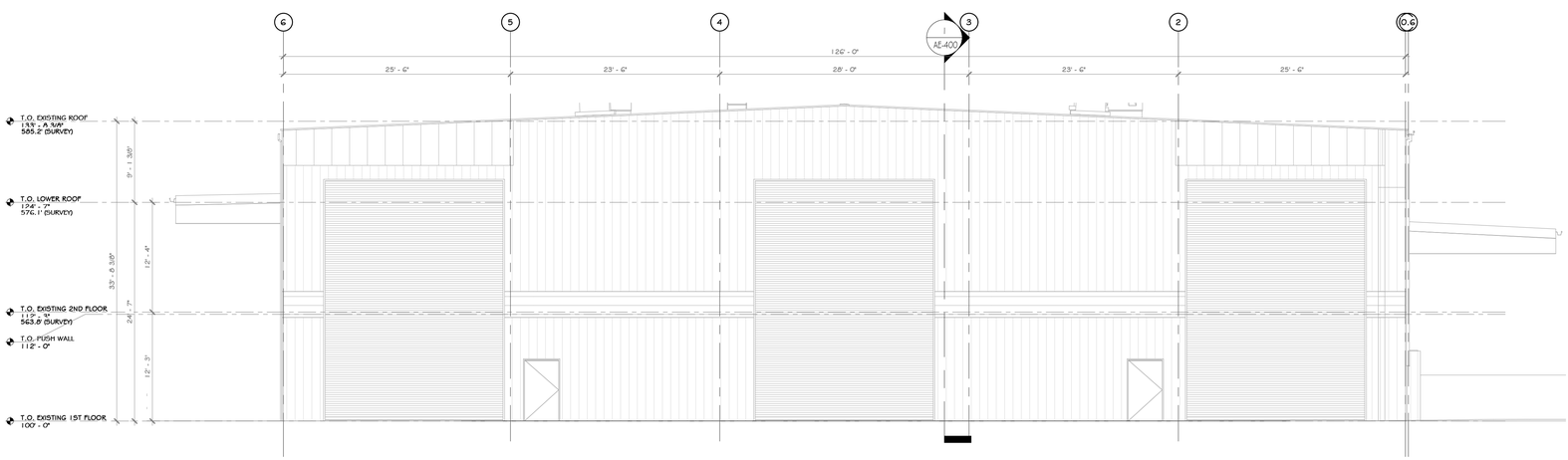

2 EXISTING SOUTH ELEVATION
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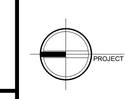
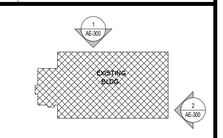
FIELD REGION LEGEND

	LIMIT OF WORK
	LOCATION OF EXISTING ELECTRICAL PANELS
	GENERAL LOCATION OF CONNECTION TO EXISTING UTILITIES

PROJECT



N O R T H



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EXISTING SOUTH & EAST EXT. ELEVATION

REV	DESCRIPTION	DATE BY CHK
D	ISSUED FOR CONSTRUCTION	10-28-21
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	07-06-21

	BY	DATE			
DRAWN	IDEA	05/21/21	PROJ. No: 499-010	SCALE: AS SHOWN	
CHECKED	ADG	07/06/21	DWG. NO: AE-300		D
DESIGNED	ADG	07/06/21			
APPROVED	ADG	07/06/21	CAD FILE:		
APPROVED			SHEET SIZE: D-24x36		REV

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

N.Y. R.A. LICENSE No. _____

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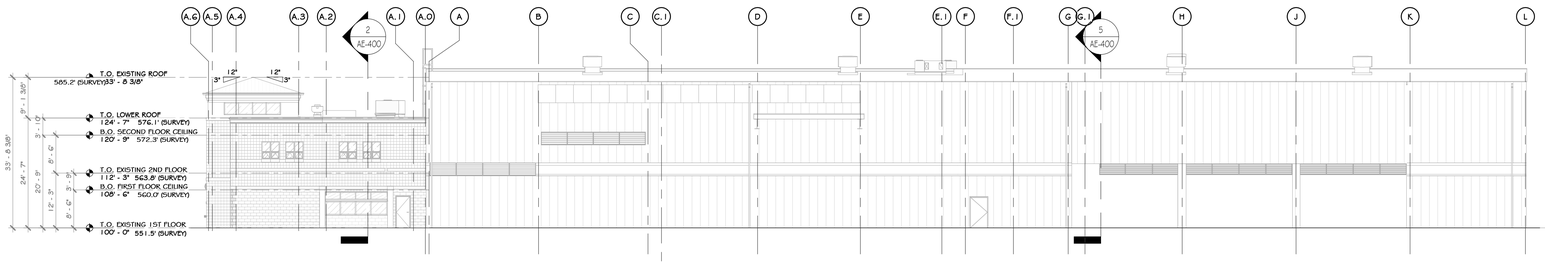
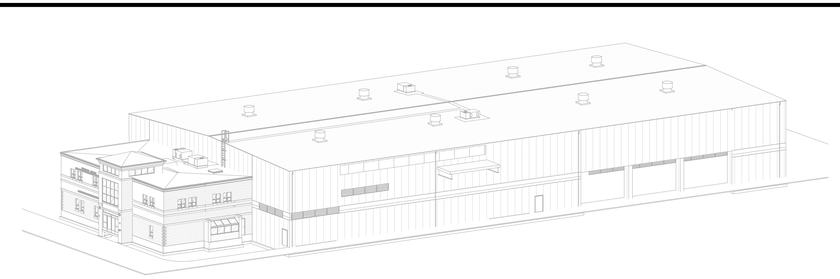
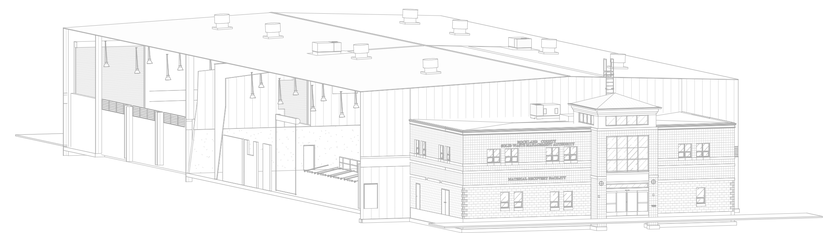
RRT Engineering , LLC
1 Huntington Quadrangle, 3S01 ph: 631-756-1060
Melville, N.Y. 11747 fax: 631-756-1064



1 EXISTING WEST ELEVATION
1/16" = 1'-0"





2 EXISTING NORTH ELEVATION
1/8" = 1'-0"

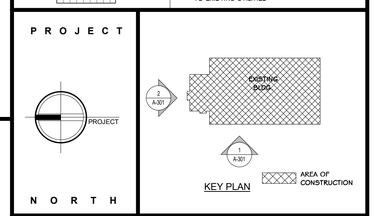
CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

1. U.O.N. ALL EXISTING INTERIOR WALLS ARE METAL STUDS WITH GYPSUM BOARD
2. WITH THE EXCLUSION OF THE OFFICE, U.O.N. ALL EXISTING EXTERIOR WALLS ARE PEMB STRUCTURAL GIRTS WITH METAL PANELS
3. EXISTING OFFICE STRUCTURE TO REMAIN UNCHANGED.
4. EXISTING STEEL COLUMNS AND ROOF GIRTS TO REMAIN UNCHANGED
5. EXISTING UTILITIES ARE TO BE REMOVED, SEE MEP AND CIVIL DRAWINGS
6. EXISTING WINDOWS, DOORS TO REMAIN, U.O.N.
7. EXISTING EXGRESS DOORS TO REMAIN, U.O.N.
8. EXISTING MECHANICAL ROOM TO REMAIN
9. EXISTING ELECTRICAL PANELS TO REMAIN
10. EXISTING METAL PANEL SIDING TO REMAIN, U.O.N.
11. EXISTING CONCRETE FOUNDATION WALLS TO REMAIN
12. EXISTING ROOF OVERHANG, SOFFIT, AND FACIA TO BE REMOVED WHERE REQUIRED FOR NEW ADDITION
13. EXISTING ROOF LEADERS ARE TO REMAIN, UNLESS OTHERWISE MODEFIED BY NEW ADDITION.
14. SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, OR FIRE PROTECTION DRAWINGS FOR ADDITIONAL EXISTING INFORMATION RELATED TO THOSE RESPECTIVE DISCIPLINES

FIELD REGION LEGEND

	LIMIT OF WORK
	LOCATION OF EXISTING ELECTRICAL PANELS
	GENERAL LOCATION OF CONNECTION TO EXISTING UTILITIES



STERLING
Sterling Environmental Engineering, P.C.

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ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

EXISTING NORTH & WEST EXT. ELEVATION

REV	DESCRIPTION	DATE	BY
D	ISSUED FOR CONSTRUCTION	03-26-21	
C	ISSUED FOR CONTRACT	08-27-20	
B	REVISED FOR RFP ADDENDUM 6	07-23-20	
A	ISSUED FOR RFP	07-06-20	DJ KS

	BY	DATE		
DRAWN	IDEA	05/21/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: AE-301	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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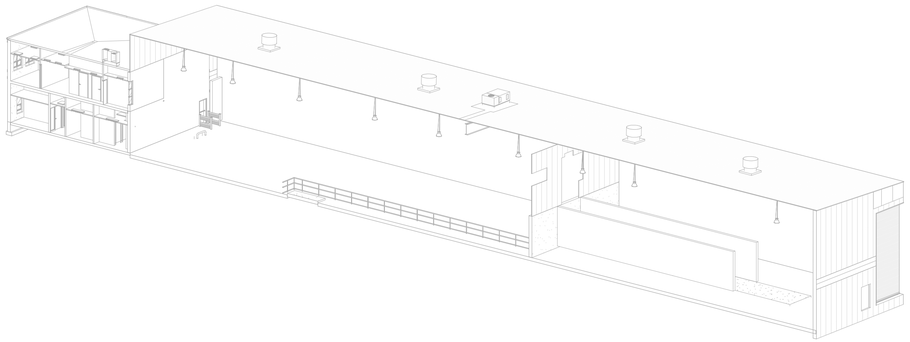
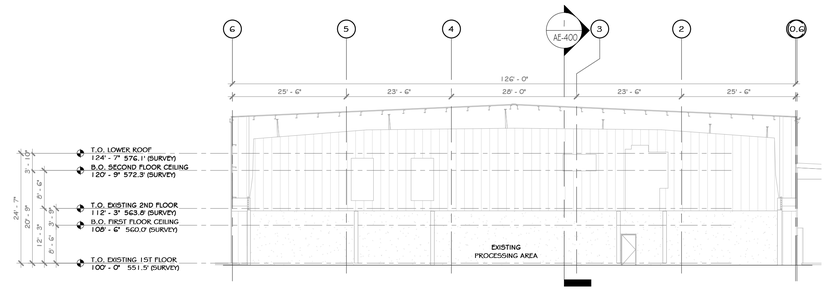
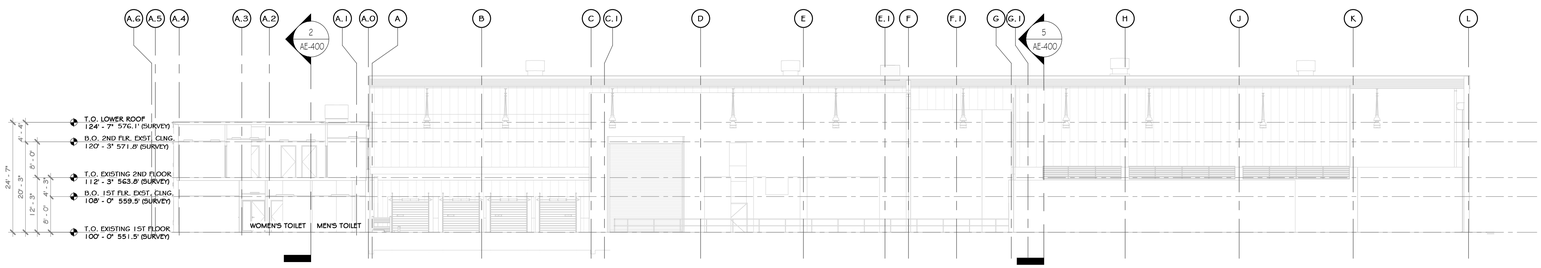
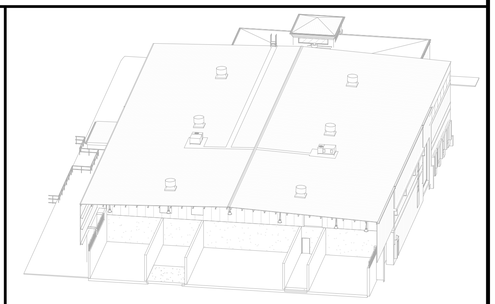


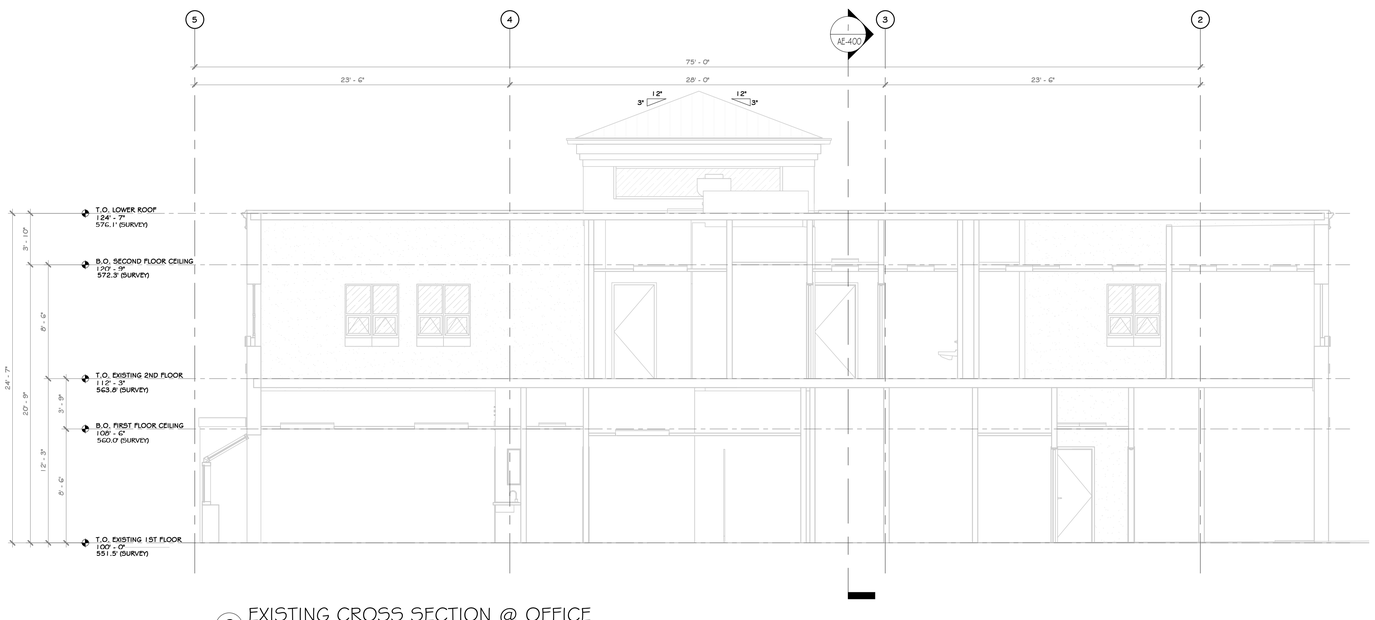


5 EXISTING CROSS SECTION @ PROCESSING AREA
1/16" = 1'-0"

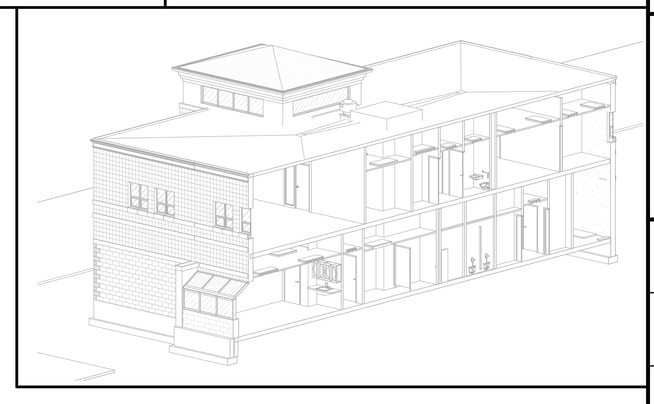


1 EXISTING LONGITUDINAL SECTION
1/16" = 1'-0"





2 EXISTING CROSS SECTION @ OFFICE
3/16" = 1'-0"



CONSTRUCTION NOTES

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3. EXISTING OFFICE STRUCTURE TO REMAIN UNCHANGED.
4. EXISTING STEEL COLUMNS AND ROOF GIRTS TO REMAIN UNCHANGED
5. EXISTING UTILITIES ARE TO BE REMOVED, SEE MEP AND CIVIL DRAWINGS
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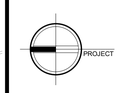
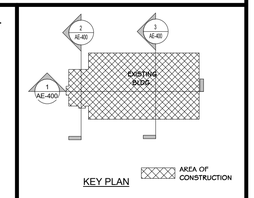
14. SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, OR FIRE PROTECTION DRAWINGS FOR ADDITIONAL EXISTING INFORMATION RELATED TO THOSE RESPECTIVE DISCIPLINES

PROJECT



N O R T H



KEY PLAN

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Rockland Green

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FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

EXISTING BUILDING SECTIONS

REV	DESCRIPTION	DATE	BY
D	ISSUED FOR CONSTRUCTION	10-28-21	
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B	REVISED FOR RFP ADDENDUM 6	07-23-21	
A	ISSUED FOR RFP	03-26-21	

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APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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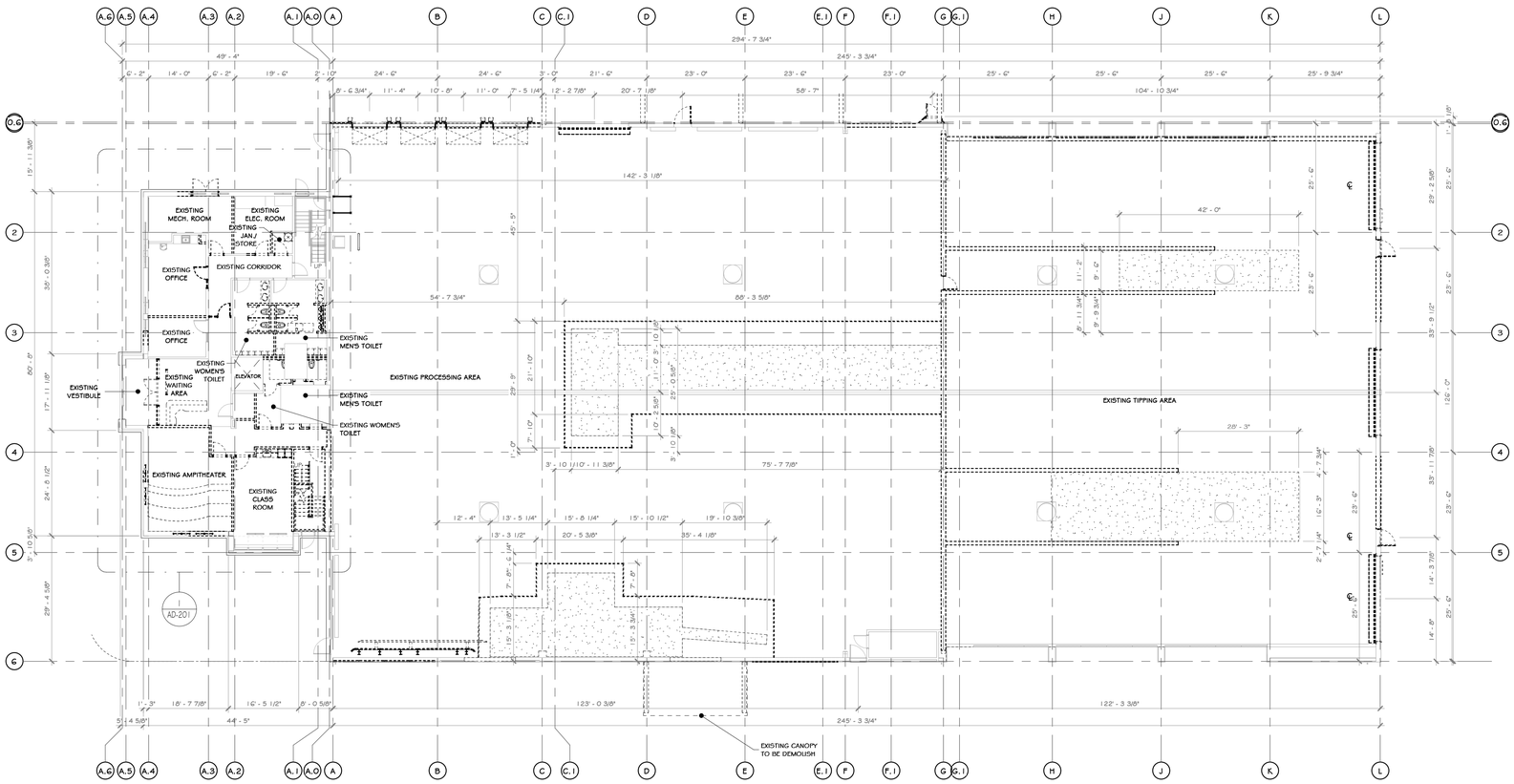


1 FIRST FLOOR DEMO PLAN
1/16" = 1'-0"

WALL LEGEND

EXISTING WALL TO REMAIN

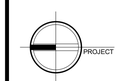
EXISTING WALL TO BE DEMOLISHED

CONSTRUCTION NOTES

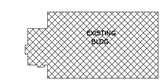
NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONTACT THE ARCHITECT BEFORE PROCEEDING WITH ANY AREA OF WORK THAT MAY BE UNCLEAR OR NOT SPECIFICALLY CALLED OUT ON THIS PLAN. THIS ALSO INCLUDES WORK THAT MAY YET BE UNCOVERED DUE TO THE CURRENT CONDITION OF THE BUILDING OR AREAS THAT ARE UNKNOWN AT PRESENT WITHOUT FURTHER INVESTIGATION/DEMOLITION WORK. IT IS THE RESPONSIBILITY OF THE ARCHITECT/ENGINEER TO REVIEW THESE AREAS IN A TIMELY MANNER, SO THAT AS ACCEPTABLE PLAN OF ACTION CAN BE DRAFTED.
2. DEMOLITION CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE HAZARDOUS MATERIALS REPORT (ASBESTOS, LEAD, ETC.) AND FOR ALL REMEDIATION.
3. IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION WORK, DO NOT DISTURB; IMMEDIATELY NOTIFY THE ARCHITECT AND OWNER. A REMOVAL PLAN OF ALL HAZARDOUS MATERIALS WILL THEN BE DRAFTED AND AGREED UPON BY ARCHITECT, GENERAL CONTRACTOR, AND OWNER. THIS PLAN WILL INCLUDE METHODS FOR LOCATING AND REMOVING ALL HAZARDOUS MATERIALS PROPERLY, AND THE APPROPRIATE COMPENSATION FOR SUCH INVESTIGATION AND REMOVAL.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL SHORING (WHERE REQUIRED) IS ADEQUATE TO MAINTAIN STRUCTURAL STABILITY. IF SHORING IS REQUIRED, CONTRACTOR SUBMIT SIGNED AND SEALED SHORING DRAWING FOR REVIEW. NO EXEMPTIONS.
5. SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, OR FIRE PROTECTION DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION RELATED TO THOSE RESPECTIVE DISCIPLINES
6. MAINTAIN AND PROTECT EXISTING UTILITIES TO REMAIN IN SERVICE BEFORE PROCEEDING WITH DEMOLITION, PROVIDING BYPASS CONNECTIONS TO OTHER PARTS OF THE BUILDING.
7. COMPLY WITH ALL LABOR, HANDLING, AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION (BUILDING DEPARTMENT, LOCAL MUNICIPALITY, STATE, EPA, DEC, OSHA, ETC.)
8. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND SITE IMPROVEMENTS.
9. LOCATE, IDENTIFY, SHUT OFF, DISCONNECT, AND CAP OFF UTILITY SERVICES TO BE DEMOLISHED.
10. PROMPTLY REMOVE DEMOLISHED MATERIALS FROM OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM. DO NOT BURN DEMOLISHED MATERIALS.
11. UNLESS OTHERWISE INDICATED, DEMOLISHED MATERIALS BECOME CONTRACTOR'S PROPERTY. REMOVE FROM PROJECT SITE.
12. EXISTING PRE-ENGINEERED METAL BUILDING ROOF INSULATION IS TO BE REMOVED AND REPLACED WITH A NEW R-19 BATT INSULATION BY PRE-ENGINEERED METAL BUILDING CONTRACTOR.
13. SELECTIVE DEMOLITION OF EXISTING PEMB SIDING TO INSTALL NEW DOORS AND FILL IN EXISTING OPENINGS. PEMB SUPPLIER TO DETERMINE EXTENT OF SIDING REPLACEMENT TO PERFORM REQUIRED WORK.
14. EXISTING PEMB ROOF TO REMAIN. PEMB TO INSPECT DURING BIDDING PROCESS AND DETERMINE EXTENT OF MINOR REPAIRS AND APPROPRIATE RE-COATING.
15. MAINTAIN AND PROTECT EXISTING BUILDING AREAS AND/OR COMPONENTS TO REMAIN IN SERVICE, BEFORE PROCEEDING WITH AND DURING DEMOLITION.
16. EXISTING CONCRETE SLAB TO REMAIN, PITS TO BE REMOVED. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
17. SEE PLUMBING DRAWINGS FOR SAW-CUTTING OF EXISTING SLAB FOR UNDERGROUND PLUMBING WORK.
18. SEE ELECTRICAL DRAWINGS FOR SAW-CUTTING OF EXISTING SLAB FOR UNDERGROUND ELECTRICAL WORK.
19. PRIOR TO SAW CUTTING, GC IS TO LAY OUT WALLS, EQUIPMENT LOCATIONS, ETC. ON THE FLOOR AND REVIEW ALL LOCATIONS WITH THE ARCHITECT AND THE OWNER.
20. SEE STRUCTURAL DRAWINGS FOR SLAB SAW CUTTING DETAILS AND SPECIFICATIONS.
21. LOCATION OF UNDERGROUND EXISTING UTILITIES TO BE VERIFIED IN FIELD BY CONTRACTOR. CONTRACTOR TO PROVIDE DOCUMENTATION SHOWING EXACT LOCATIONS AND SUBMIT TO ARCHITECT/ENGINEER SO THAT THESE MAY BE INCORPORATED INTO THE CONSTRUCTION DOCUMENTS.
22. EXISTING PEMB STRUCTURE AND STEEL STRUCTURE TO REMAIN, UON. SEE STRUCTURAL DRAWINGS.
23. EXISTING STEEL COLUMNS TO REMAIN, UON. SEE STRUCTURAL DRAWINGS.
24. EXTERIOR ENVELOPE / FAÇADE:
    - EXISTING NORTH / SOUTH / WEST EXTERIOR PEMB WALLS TO BE SELECTIVELY REMOVED AS SHOWN, UON.
    - EXISTING NORTH / SOUTH / WEST EXTERIOR FAÇADE, INCLUDING METAL SIDING, MOISTURE BARRIER AND CAVITY INSULATION TO BE SELECTIVELY REMOVED AS SHOWN. NEW FLASHING, EXPANSION JOINTS, ETC. TO BE INSTALLED.
    - GC TO PATCH AND REPAIR ANY DAMAGE TO THE EXTERIOR PANELS THAT ARE TO REMAIN.
25. ALL EXISTING MECHANICAL/PLUMBING/VENTING PENETRATIONS TO REMAIN. REMOVE AND REPLACE FLASHINGS AT CURBS AS REQUIRED. OPENINGS FOR NEW PENETRATIONS TO BE INSTALLED IN CONFORMANCE WITH PEMB REQUIREMENTS.
26. EXISTING GUTTERS TO REPLACED.
27. EXISTING PEMB WALLS TO BE SELECTIVELY REMOVED AS SHOWN TO CREATE OPENINGS FOR NEW DOOR OPENINGS. SEE DRAWINGS A-300 AND A-600 DRAWINGS FOR ADDITIONAL INFORMATION ON NEW OPENINGS.
28. ALL EXISTING NORTH / SOUTH / WEST EXTERIOR DOORS TO BE SELECTIVELY REMOVED AS SHOWN, U.O.N.
29. ALL EXISTING HOLLOW METAL DOORS ARE TO BE SELECTIVELY REMOVED AS SHOWN. REMOVE EXISTING OVERHEAD DOORS WHERE SHOWN AND PATCH METAL SIDING TO MATCH ADJACENT EXISTING.
30. EXISTING OPENINGS INCLUDING FRAMES TO REMAIN, U.O.N.
31. HEADERS ABOVE EXISTING DOORS ARE TO BE REMOVED WHERE REQUIRED FOR NEW DOOR OPENINGS, TO ALLOW FOR INSTALLATION OF NEW HEADER AND LARGER OVERHEAD DOORS. - SEE STRUC. DWGS.
32. ALL EXISTING CONCRETE STAIRS AND HANDRAILS TO BE SELECTIVELY REMOVED AS SHOWN.
33. EXISTING SPRINKLER, MECHANICAL, ELECTRICAL, PLUMBING SYSTEMS TO BE REMOVED WHERE INDICATED – SEE MEP DRAWINGS.
34. SEE PLUMBING DRAWINGS FOR PLUMBING DEMOLITION WORK.
35. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL DEMOLITION WORK.
36. SELECTIVE SITE DEMOLITION AND PARTIAL EXISTING ASPHALT TO BE REMOVED IN ORDER TO INSTALL A NEW BUILDING ADDITION. SEE CIVIL DRAWINGS FOR LOCATIONS, DETAILS AND SPECIFICATIONS.
37. EXISTING LOUVERS SHALL BE CLEANED AND INSPECTED AS REQUIRED.

PROJECT



NORTH



KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

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ENGINEERING CONSULTANT
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
t.570.826.3000 f.570.825.0888 | w. www.mrepc.com

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NY COA # 0017967

Rockland Green MRF

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

FIRST FLOOR DEMO PLAN

	BY	DATE			
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CHECKED	ADG	07/06/21	DWG. NO: AD-200		D
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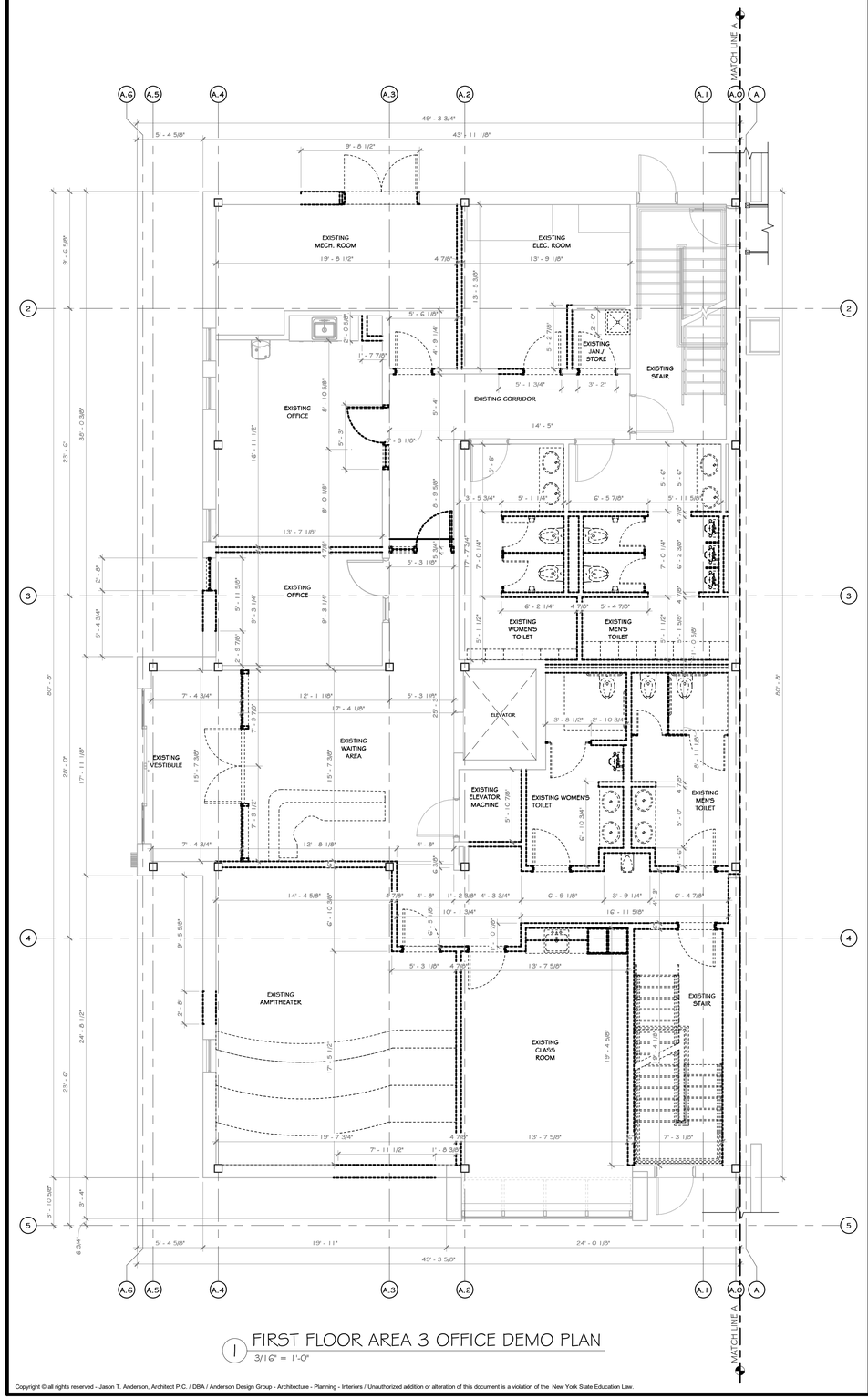
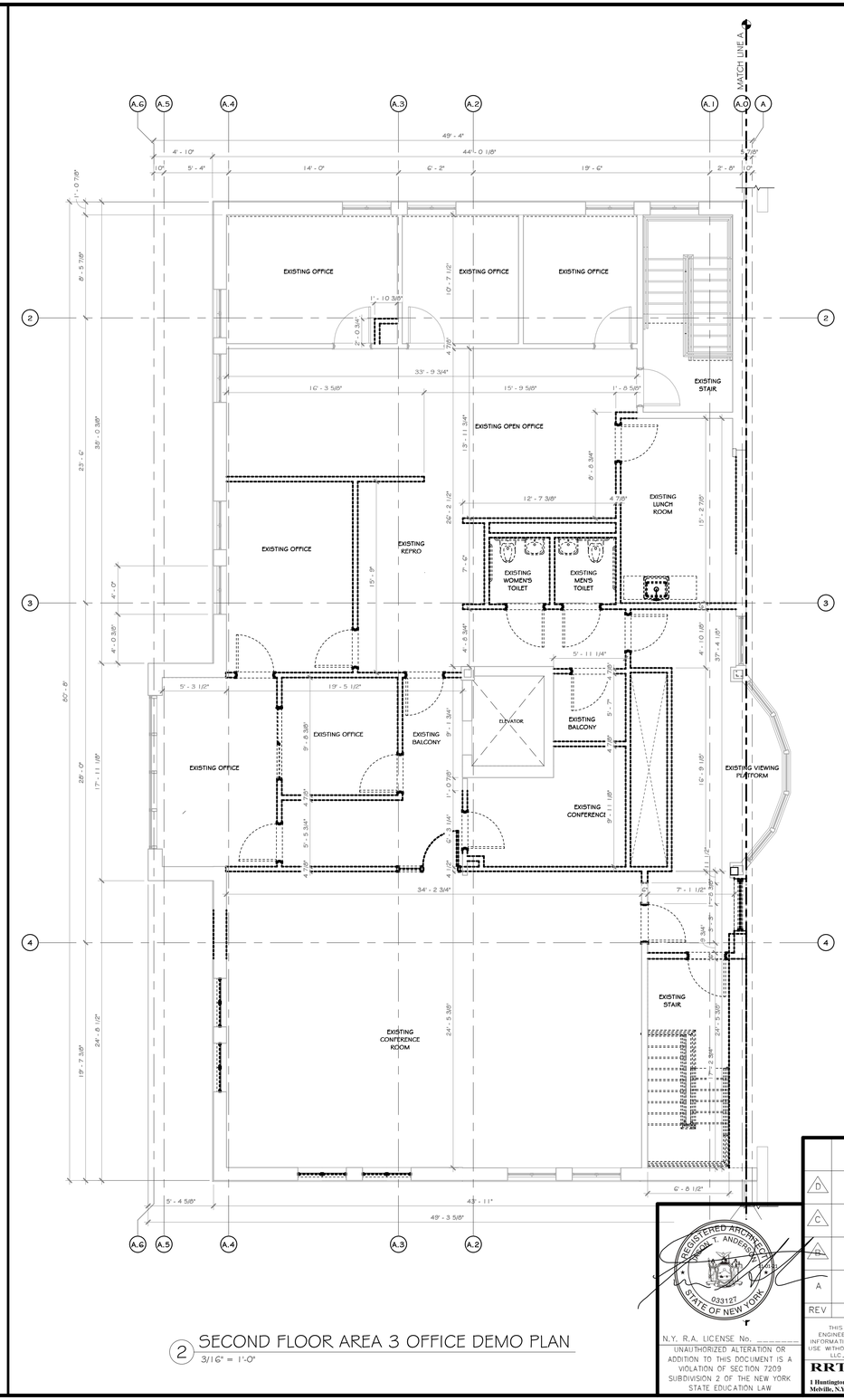


1 FIRST FLOOR AREA 3 OFFICE DEMO PLAN
3/16" = 1'-0"



2 SECOND FLOOR AREA 3 OFFICE DEMO PLAN
3/16" = 1'-0"

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11. UNLESS OTHERWISE INDICATED, DEMOLISHED MATERIALS BECOME CONTRACTOR'S PROPERTY. REMOVE FROM PROJECT SITE.
12. EXISTING NORTH / SOUTH / WEST EXTERIOR FAÇADE, INCLUDING METAL SIDING, MOISTURE BARRIER AND CAVITY INSULATION TO BE SELECTIVELY REMOVED AS SHOWN. NEW FLASHING, EXPANSION JOINTS, ETC. TO BE INSTALLED
13. MAINTAIN AND PROTECT EXISTING BUILDING AREAS AND/OR COMPONENTS TO REMAIN IN SERVICE, BEFORE PROCEEDING WITH AND DURING DEMOLITION.
14. EXISTING INTERIOR METAL STUD WALL PARTITIONS AND ALL FINISHES BE SELECTIVELY REMOVED, UON
15. EXISTING INTERIOR FLOOR FINISHES, WALL FINISHES, CEILING FINISHES TO BE FULLY REMOVED, UON
16. EXISTING INTERIOR DOORS, WINDOWS TO BE SELECTIVELY REMOVED AS SHOWN, UON
17. EXISTING METAL STUD WALLS TO BE SELECTIVELY REMOVED AS SHOWN TO CREATE OPENINGS FOR NEW DOORS OPENINGS. SEE DRAWINGS A-201-BP & A-202-BP AND A-600-BP FOR ADDITONAL INFORMATION ON NEW SIZES REQUIRED.
18. ALL EXISTING NORTH / SOUTH / WEST EXTERIOR DOORSTO BE SELECTIVELY REMOVED AS SHOWN, UON
19. ALL EXISTING HOLLOW METAL DOORS ARE TO BE SELECTIVELY REMOVED AS SHOWN. GC TO PATCH DAMAGE DUE TO PREVIOUS HARDWARE REMOVAL, AND REPAINT ENTIRE FRAME.
20. ALL EXISTING CONCRETE STAIRS AND HANDRAILS TO BE SELECTIVELY REMOVED AS SHOWN
21. EXISTING WEST CONCRETE STAIR AND HANDRAIL TO BE FULLY REMOVED AND REPLACED AS SHOWN
22. EXISTING NORTH STEEL STAIR TO REMAIN AND STAIR TO BE STRIPPED OF ALL PAINT, RUSTED AREAS TO BE GROUND AND REPAIRED FOR STAIR TO BE REPAINTED WITH EPOXY PAINT
23. EXISTING SPRINKLER, MECHANICAL, ELECTRICAL, PLUMBING SYSTEMS TO BE REMOVED WHERE INDICATED – SEE MEP DRAWINGS
24. SEE PLUMBING DRAWINGS FOR INTERIOR UNDERGROUND PLUMBING DEMOLITION WORK.
25. SEE ELECTRICAL DRAWINGS FOR UNDERGROUND ELECTRICAL DEMOLITION WORK.
26. EXISTING ELECTRICAL DEVICES/ FIRE ALARM PANEL TO BE REMOVED. SEE ELECTRICAL DRAWINGS
27. EXISTING WATER METER TO REMAIN. SEE PLUMBING DRAWINGS
26. EXISTING BATHROOM FIXTURES TO BE REMOVED. EXISTING CONCRETE SLAB TO BE SAW CUT TO ACCOMMODATE RELOCATION OF PLUMBING FIXTURES BASED ON NEW LAYOUT. SEE PLUMBING DRAWINGS.

WALL LEGEND

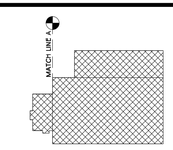
EXISTING WALL TO REMAIN

EXISTING WALL TO BE DEMOLISHED

PROJECT

PROJECT

NORTH



KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
ENGINEERING CONSULTANT
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
t.570.826.1000 f.570.825.0888 | w. www.mrapc.com

ANDERSON DESIGN GROUP
ARCHITECTURE PLANNING INTERIORS
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WWW.ADGARCHITECT.COM
CONTACT@ADGARCHITECT.COM

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NY COA # 0017967

Rockland Green
MATERIALS RECOVERY FACILITY, FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

ENLARGED OFFICE DEMO PLANS

	BY	DATE			
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN	
CHECKED	ADG	07/06/21	DWG. NO: AD-201		D
DESIGNED	ADG	07/06/21			
APPROVED	ADG	07/06/21	CAD FILE:		
APPROVED			SHEET SIZE: D–24x36		REV

REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION		09-28-22
C	ISSUED FOR CONTRACT		04-25-22
B	REVISED FOR RFP ADDENDUM 6		07-23-21
A	ISSUED FOR RFP	IDEA	07-06-21

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

N.Y. R.A. LICENSE No.

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RRT Engineering , LLC
1 Huntington Quadrangle, 3S01 ph: 631-756-1060
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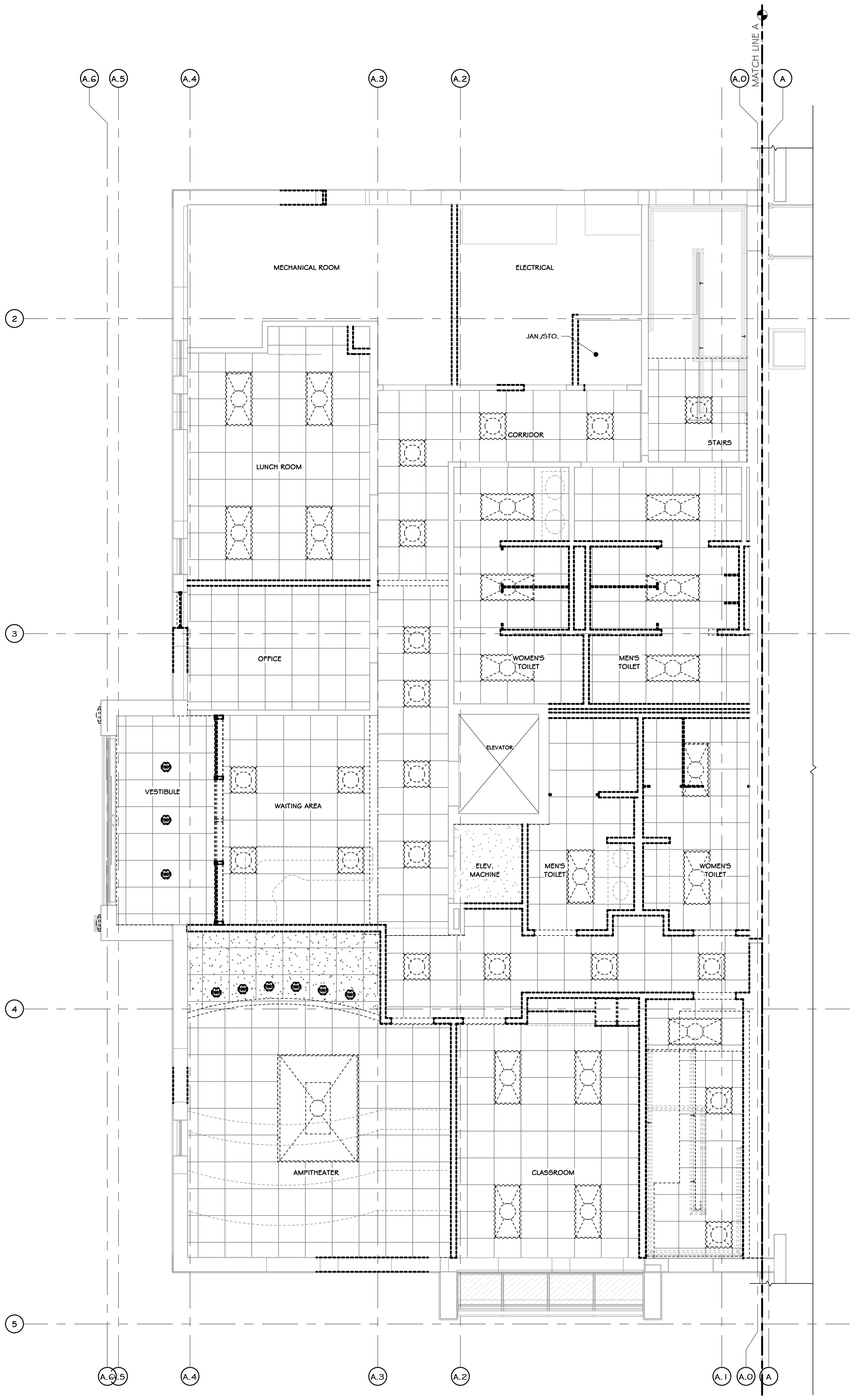
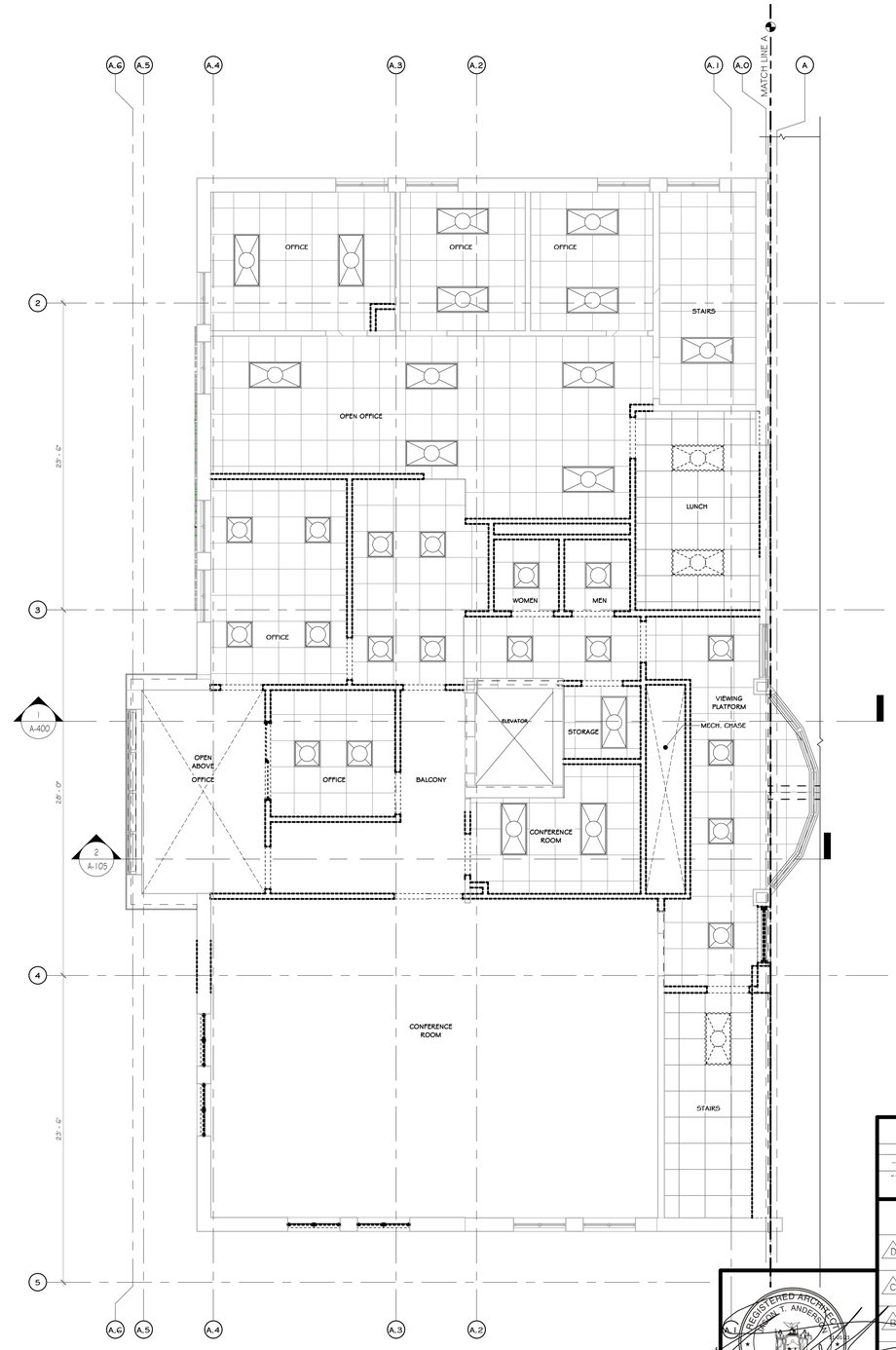


1 FIRST FLOOR REFLECTED CEILING PLAN
3/16" = 1'-0"



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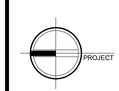
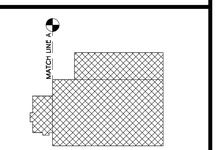
PROJECT





KEY PLAN

AREA OF CONSTRUCTION

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ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

REFLECTED CLG. DEMO PLANS

LEGEND

LINE TYPE	DESCRIPTION
———	TO REMAIN
- - - - - - - -	TO DEMOLISHED/REMOVED

REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION		03-28-22
C	ISSUED FOR CONTRACT		08-27-21
B	REVISED FOR RFP ADDENDUM 6		07-23-21
A	ISSUED FOR RFP		07-06-21

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

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Melville, N.Y. 11747
ph: 631-756-1060
fax: 631-756-1064

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: AD-202	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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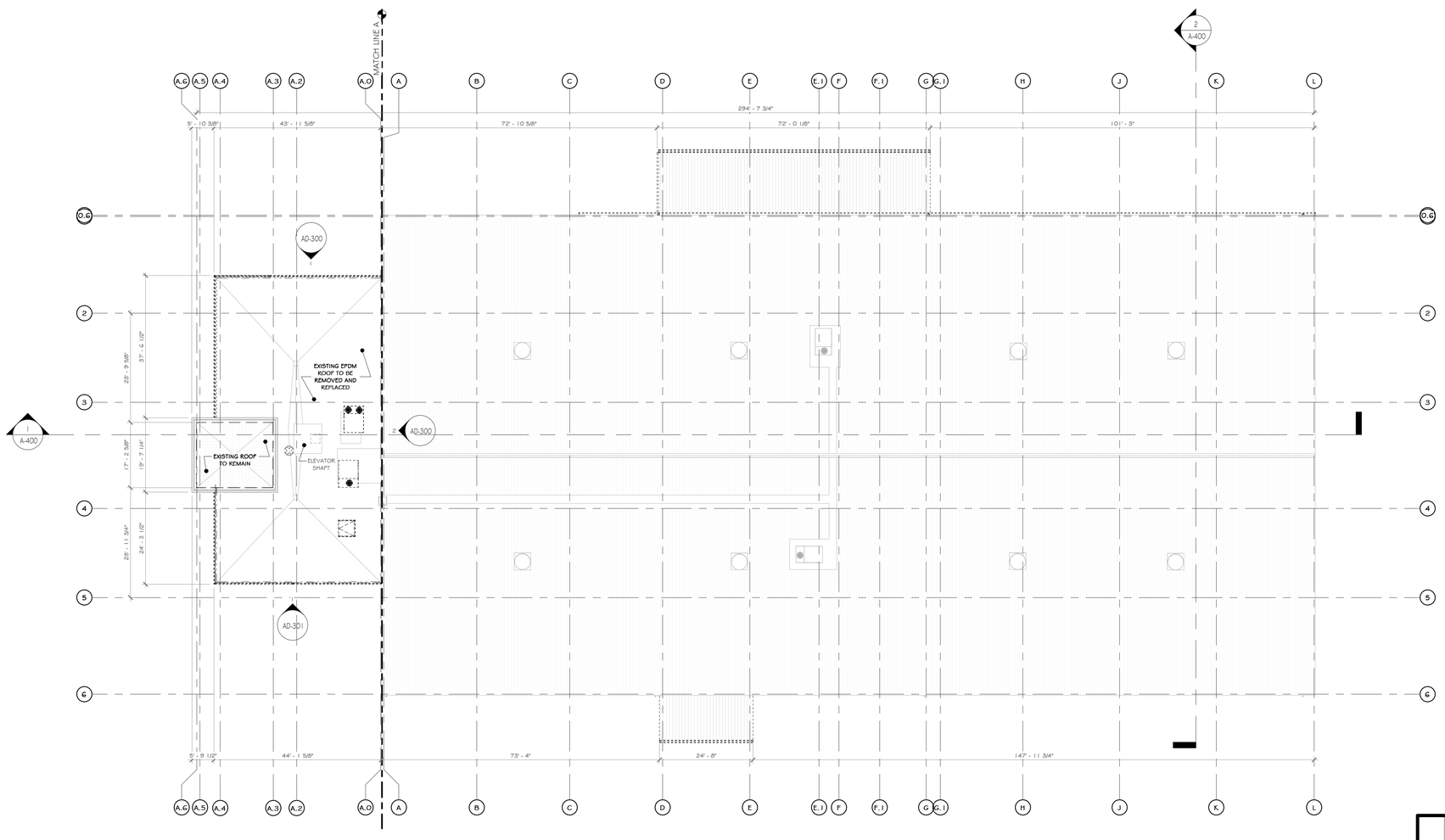

1 ROOF DEMO PLAN
1/16" = 1'-0"

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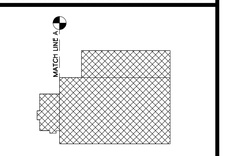
13. EXISTING EPDM ROOF TO BE REMOVED
14. EXISTING EPDM ROOF MEMBRANE, INSULATION, ROOF HATCHES, AND ROOF CURBS TO BE REMOVED AND REPLACED.
15. REMOVE EPDM ROOFING, ALL INSULATION (ASSUME 3" THICK FOR BASE BID), AND PROTECTION BOARD DOWN TO EXISTING METAL ROOF DECK.
16. EXISTING ROOF CURBS TO BE REMOVED. SEE NEW ROOF PLAN.
17. EXISTING PARAPETS TO REMAIN AROUND ENTIRE ROOF.
18. EXISTING COPING TO BE REMOVED AND RECONSTRUCTED AROUND ENTIRE ROOF.
19. EXISTING MECHANICAL/PLUMBING/VENTING PENETRATIONS TO REMAIN. REMOVE AND REPLACE FLASHINGS AT CURBS TO ALLOW FOR NEW ROOFING.
20. EXISTING GUTTERS TO BE REPLACED.
21. BASE BID PACKAGE IS TO INCLUDE RECOATING AND REPAIRING THE EXISTING METAL ROOF AS REQUIRED. GC TO PROVIDE ALTERNATE FOR ROOF REPLACEMENT.

LEGEND

LINE TYPE	DESCRIPTION
— — — —	LINE OF WALL BELOW
— · · — · · —	LINE OF ROOF EPDM ROOF TO BE REMOVED AND REPLACED

PROJECT NORTH



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ROOF DEMO PLAN

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: AD-203	D
DESIGNED	ADG	07/06/21		
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REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION		03-28-22
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A	ISSUED FOR RFP		07-06-21

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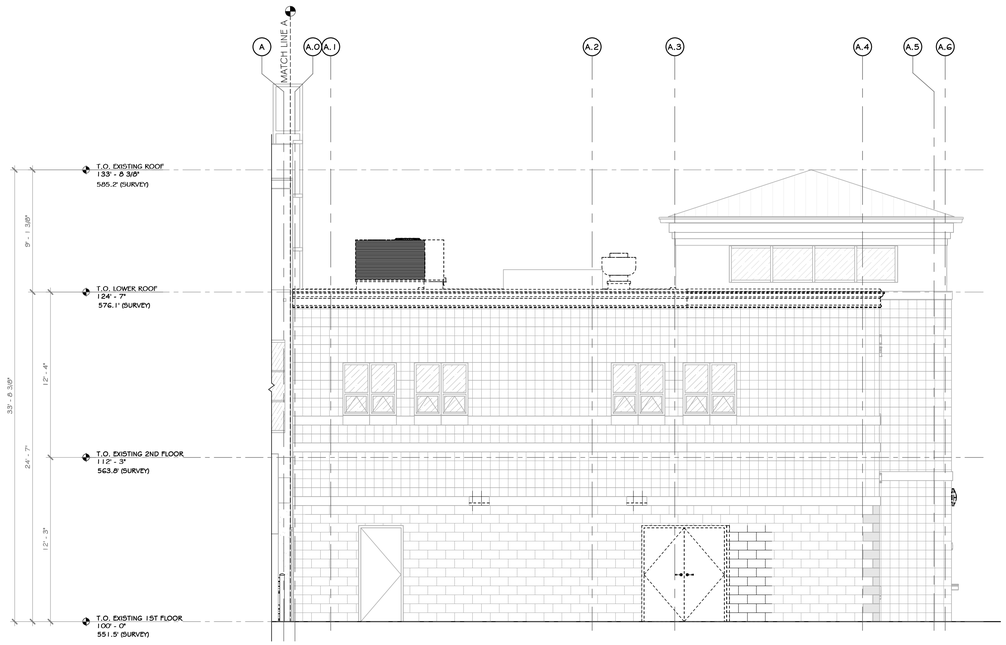
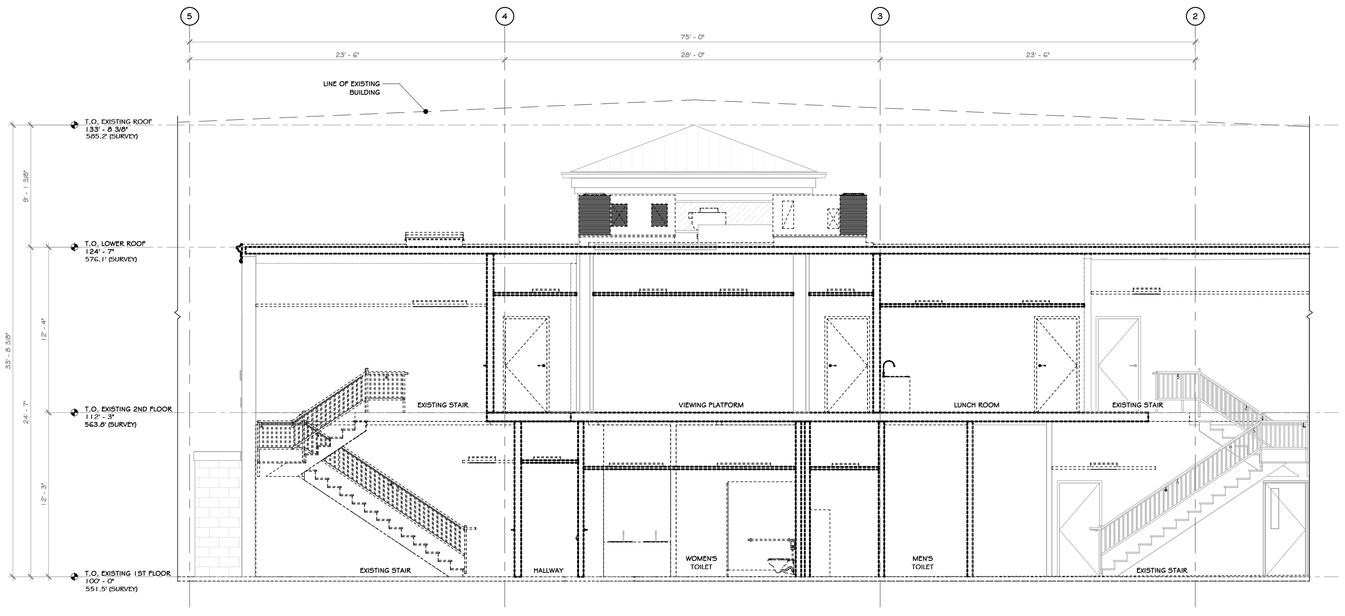


1 DEMO EAST ELEVATION
3/16" = 1'-0"



2 DEMO AREA 3 OFFICE SOUTH SECTION
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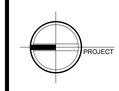
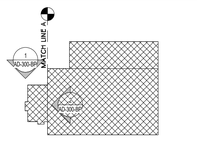
11. UNLESS OTHERWISE INDICATED, DEMOLISHED MATERIALS BECOME CONTRACTOR'S PROPERTY. REMOVE FROM PROJECT SITE.
12. MAINTAIN AND PROTECT EXISTING BUILDING AREAS AND/OR COMPONENTS TO REMAIN IN SERVICE, BEFORE PROCEEDING WITH AND DURING DEMOLITION.
13. EXISTING NORTH / SOUTH / WEST] EXTERIOR METAL STUD WALLS TO BE SELECTIVELY REMOVED AS SHOWN, UON.
14. EXISTING NORTH / SOUTH / WEST EXTERIOR FAÇADE, INCLUDING METAL SIDING, MOISTURE BARRIER AND CAVITY INSULATION TO BE SELECTIVELY REMOVED AS SHOWN. NEW FLASHING, EXPANSION JOINTS, ETC. TO BE INSTALLED.

PROJECT



NORTH



KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
ENGINEERING CONSULTANT
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
t.570.826.1000 f.570.825.0888 | w. www.mrapc.com

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O. 845. 294.2724 F. F.866.395.6442
WWW.ADGARCHITECT.COM
CONTACT@ADGARCHITECT.COM

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An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

Rockland Green
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

DEMO SOUTH & EAST EXT. ELEVATION

REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION		09-28-21
C	ISSUED FOR CONTRACT		08-23-21
B	REVISED FOR RFP ADDENDUM 6		07-23-21
A	ISSUED FOR RFP	JA	07-06-21

	BY	DATE			
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN	
CHECKED	ADG	07/06/21	DWG. NO: AD-300		D
DESIGNED	ADG	07/06/21			
APPROVED	ADG	07/06/21	CAD FILE:		
APPROVED			SHEET SIZE: D-24x36		REV

REGISTERED ARCHITECT
JASON T. ANDERSON
STATE OF NEW YORK
032127

N.Y. R.A. LICENSE No. _____

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RRT Engineering , LLC
1 Huntington Quadrangle, 3S01 ph: 631-756-1060
Melville, NY. 11747 fax: 631-756-1064

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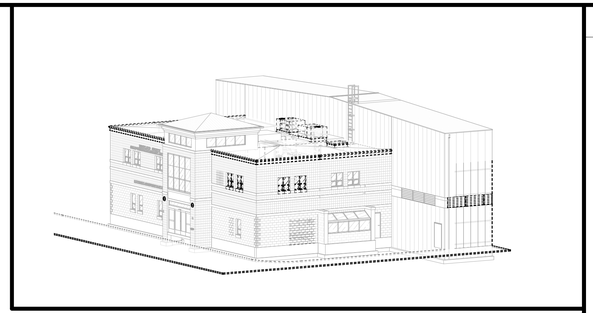
1 DEMO WEST ELEVATION
3/16" = 1'-0"



CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONTACT THE ARCHITECT BEFORE PROCEEDING WITH ANY AREA OF WORK THAT MAY BE UNCLEAR OR NOT SPECIFICALLY CALLED OUT ON THIS PLAN. THIS ALSO INCLUDES WORK THAT MAY YET BE UNCOVERED DUE TO THE CURRENT CONDITION OF THE BUILDING OR AREAS THAT ARE UNKNOWN AT PRESENT WITHOUT FURTHER INVESTIGATIONDEMOLITION WORK. IT IS THE RESPONSIBILITY OF THE ARCHITECTENGINEER TO REVIEW THESE AREAS IN A TIMELY MANNER, SO THAT AS ACCEPTABLE PLAN OF ACTION CAN BE DRAFTED.
2. DEMOLITION CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE HAZARDOUS MATERIALS REPORT (ASBESTOS, LEAD, ETC.) AND FOR ALL REMEDIATION.
3. IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION WORK, DO NOT DISTURB; IMMEDIATELY NOTIFY THE ARCHITECT AND OWNER. A REMOVAL PLAN OF ALL HAZARDOUS MATERIALS WILL THEN BE DRAFTED AND AGREED UPON NY ARCHITECT, GENERAL CONTRACTOR, AND OWNER. THIS PLAN WILL INCLUDE METHODS FOR LOCATING AND REMOVING ALL HAZARDOUS MATERIALS PROPERLY, AND THE APPROPRIATE COMPENSATION FOR SUCH INVESTIGATION AND REMOVAL.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL SHORING (WHERE REQUIRED) IS ADEQUATE TO MAINTAIN STRUCTURAL STABILITY. IF SHORING IS REQUIRED, CONTACTOR SUBMIT SIGNED AND SEALED SHORING DRAWING FOR REVIEW. NO EXEMPTIONS.
5. SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, OR FIRE PROTECTION DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION RELATED TO THOSE RESPECTIVE DISCIPLINES
6. MAINTAIN AND PROTECT EXISTING UTILITIES TO REMAIN IN SERVICE BEFORE PROCEEDING WITH DEMOLITION, PROVIDING BYPASS CONNECTIONS TO OTHER PARTS OF THE BUILDING.
7. COMPLY WITH ALL LABOR, HANDLING, AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION (BUILDING DEPARTMENT, LOCAL MUNICIPALITY, STATE, EPA, DEC, OSHA, ETC.)
8. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND SITE IMPROVEMENTS.
9. LOCATE, IDENTIFY, SHUT OFF, DISCONNECT, AND CAP OFF UTILITY SERVICES TO BE DEMOLISHED.
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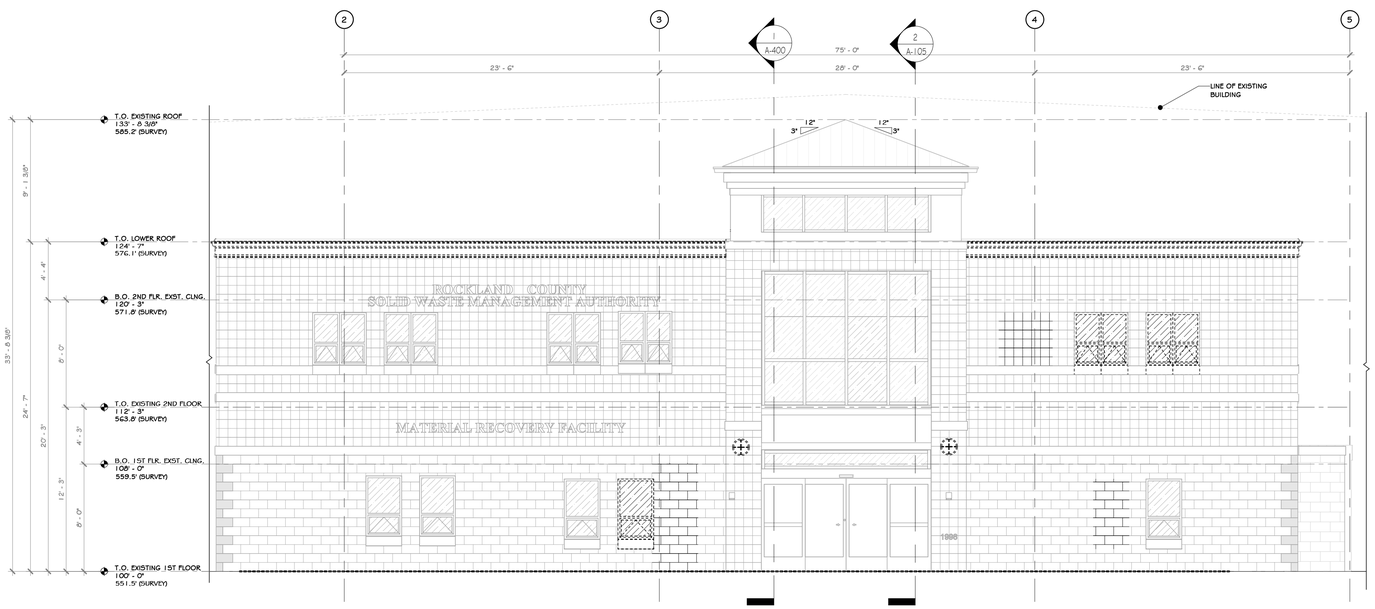
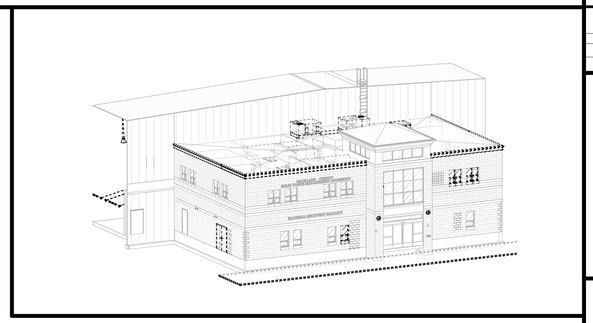
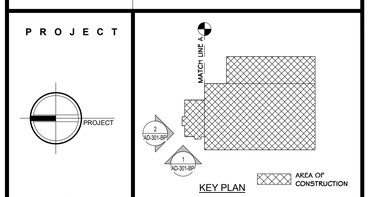


2 DEMO NORTH ELEVATION
3/16" = 1'-0"



LEGEND

LINE TYPE	DESCRIPTION
— — — —	LINE OF TO BE DEMOLISHED/REMOVED



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NY COA # 0017967

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FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

DEMO NORTH & WEST EXT. ELEVATION

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: AD-301	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION		03-28-22
C	ISSUED FOR CONTRACT		08-27-21
B	REVISED FOR RFP ADDENDUM 6		07-23-21
A	ISSUED FOR RFP		07-06-21

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

N.Y. R.A. LICENSE No. _____

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fax: 631-756-1064

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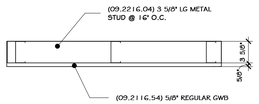
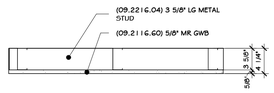


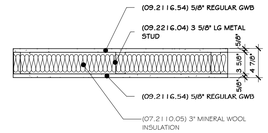
(13.4200.202) WALL TYPE 202

202_LGMF WALL_3 5/8" LGM STUD_5/8" REGULAR GWB ONE SIDE_NON INSULATED



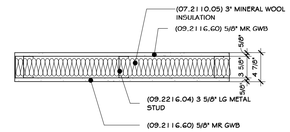
(13.4200.203) WALL TYPE 203

203_LGMF WALL_3 5/8" LGM STUD_5/8" MR GWB ONE SIDE_NON INSULATED



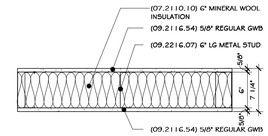
(13.4200.204) WALL TYPE 204

204_LGMF WALL_3 5/8" LGM STUD_5/8" REGULAR GWB BOTH SIDES_INSULATED



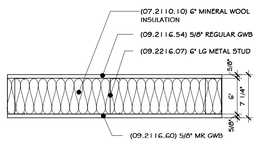
(13.4200.206) WALL TYPE 206

206_(I) LGMF WALL_3 5/8" LGM STUD_5/8" MR GWB BOTH SIDES_INSULATED



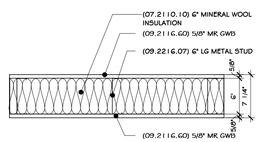
(13.4200.209) WALL TYPE 209

209_(I) LGMF WALL_6" LGM STUD_5/8" REGULAR GWB BOTH SIDES_INSULATED



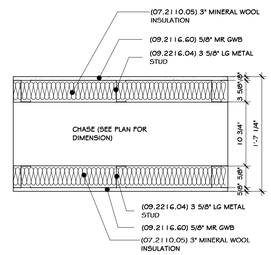
(13.4200.210) WALL TYPE 210

210_(I) LGMF WALL_6" LGM STUD_5/8" REGULAR GWB ONE SIDE_5/8" MR GWB ONE SIDE_INSULATED



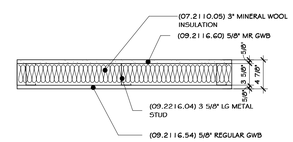
(13.4200.211) WALL TYPE 211

211_(I) LGMF WALL_6" LGM STUD_5/8" MR GWB BOTH SIDES_INSULATED



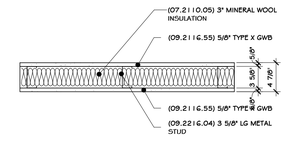
(13.4200.221) WALL TYPE 221

221_(I) LGMF WALL 8" LGM STUD 5/8" REGULAR GWB ONE SIDE 5/8" MR GWB ONE SIDE 8" MINERAL FIBER INSULATION NON-RATED



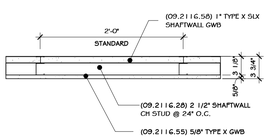
(13.4200.225) WALL TYPE 225

225_(I) LGMF WALL_3 5/8" LGM STUD_5/8" MR GWB ONE SIDE_INSULATED



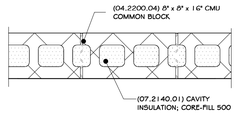
(13.4200.254) WALL TYPE 254

254_(I) LGMF WALL_3 5/8" LGM STUD_5/8" TYPE X GWB BOTH SIDES_INSULATED_1 HOUR RATED



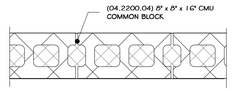
(13.4200.266) WALL TYPE 266

266_LGMF WALL 2-1/2" SHAFTWALL CH STUD 5/8" TYPE X GWB_ 1" TYPE X SLX SHAFTLINER GWB



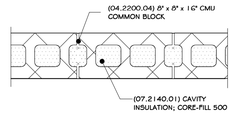
(13.4200.305) WALL TYPE 305

305_BASIC 8" CMU_CORE FILL 500



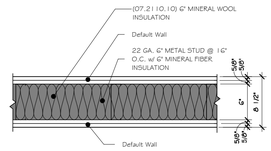
(13.4200.339) WALL TYPE 339

340_8" CMU, STANDARD_NON INSULATED



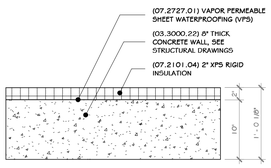
(13.4200.340) WALL TYPE 340

340_8" CMU, CORE FILL 500 INSULATION, 2 HOUR RATED



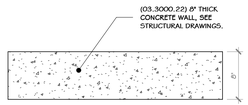
(13.4200.212) WALL "TYPE 212" SCHEDULE

212_(I) LGMF WALL_6" LGM STUD_2 LAYERS 5/8" TYPE X GWB BOTH SIDES_INSULATED



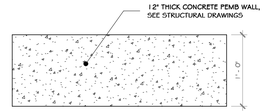
(13.4300.371) WALL "TYPE 371" SCHEDULE

371_BASIC 8" CONCRETE FOUNDATION WALL_VAPOR BARRIER_2" RIGID INSULATION



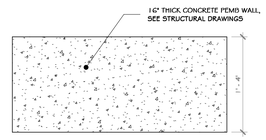
(13.4300.379) WALL "TYPE 379" SCHEDULE

379_8" FOUNDATION WALL



(13.4300.384) WALL "TYPE 384" SCHEDULE

384_1' FOUNDATION WALL



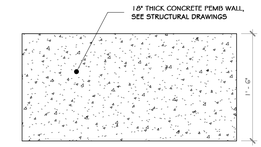
(13.4300.385) WALL "TYPE 385" SCHEDULE

385_1'-4" FOUNDATION WALL BY PEMB AS PER STRUCTURAL

CONSTRUCTION NOTES

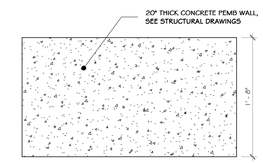
NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

1. ALL MTL. STUD WALLS: PROVIDE COLD ROLLED CHANNEL @ EV. 4'-0" VERT
2. ALL MTL STUD WALLS OVER 12'-0" # ALL BEARING WALLS: INSTALL DIAGONAL X-BRACING AT 45° ANGLE @ CORNER # ENDS. USE 2", 16 G.A. GALVANIZED STRAPS W/ (4) # 10 TEK SCREWS @ ENDS # ONE @ EACH STUD INSTALL COLD ROLLED CHANNEL @4' AND 8'.
3. U.O.N. WALLS TO GO UP TO 8" ABOVE ADJACENT (TALLEST) CEILING # BRACE TO STRUCTURE ABOVE.
4. ALL DIMENSIONS ARE TO ROUGH FRAMING.
5. CLOSED CELL SPRAY FOAM INSUL. MAY BE SUBSTITUTED FOR BATT INSULATION GIVEN THAT AN IGNITION BARRIER IS PROVIDED.



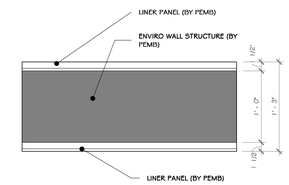
(13.4300.386) WALL "TYPE 386" SCHEDULE

386_1'-0" FOUNDATION WALL BY PEMB AS PER STRUCTURAL



(13.4300.387) WALL "TYPE 387" SCHEDULE

387_1'-8" FOUNDATION WALL BY PEMB AS PER STRUCTURAL



(13.4300.388) WALL "TYPE 388" SCHEDULE

388_ENVIRO WALL (BY PEMB) SEE STRUCTURAL DRAWINGS

STERLING
Sterling Environmental Engineering, P.C.

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RRT Engineering, LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

REV	DESCRIPTION	DATE	BY	CHK
D	ISSUED FOR CONSTRUCTION	09-28-21		
C	ISSUED FOR CONTRACT	08-27-21		
B	REVISED FOR RFP ADDENDUM 6	07-23-21		
A	ISSUED FOR RFP	07-06-21	AS	

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1 Huntington Quadrangle, 3S01 ph: 631-756-1060
Melville, NY. 11747 fax: 631-756-1064

TYPICAL WALL TYPES

	BY	DATE		
DRAWN	IDEA	05/21/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-200	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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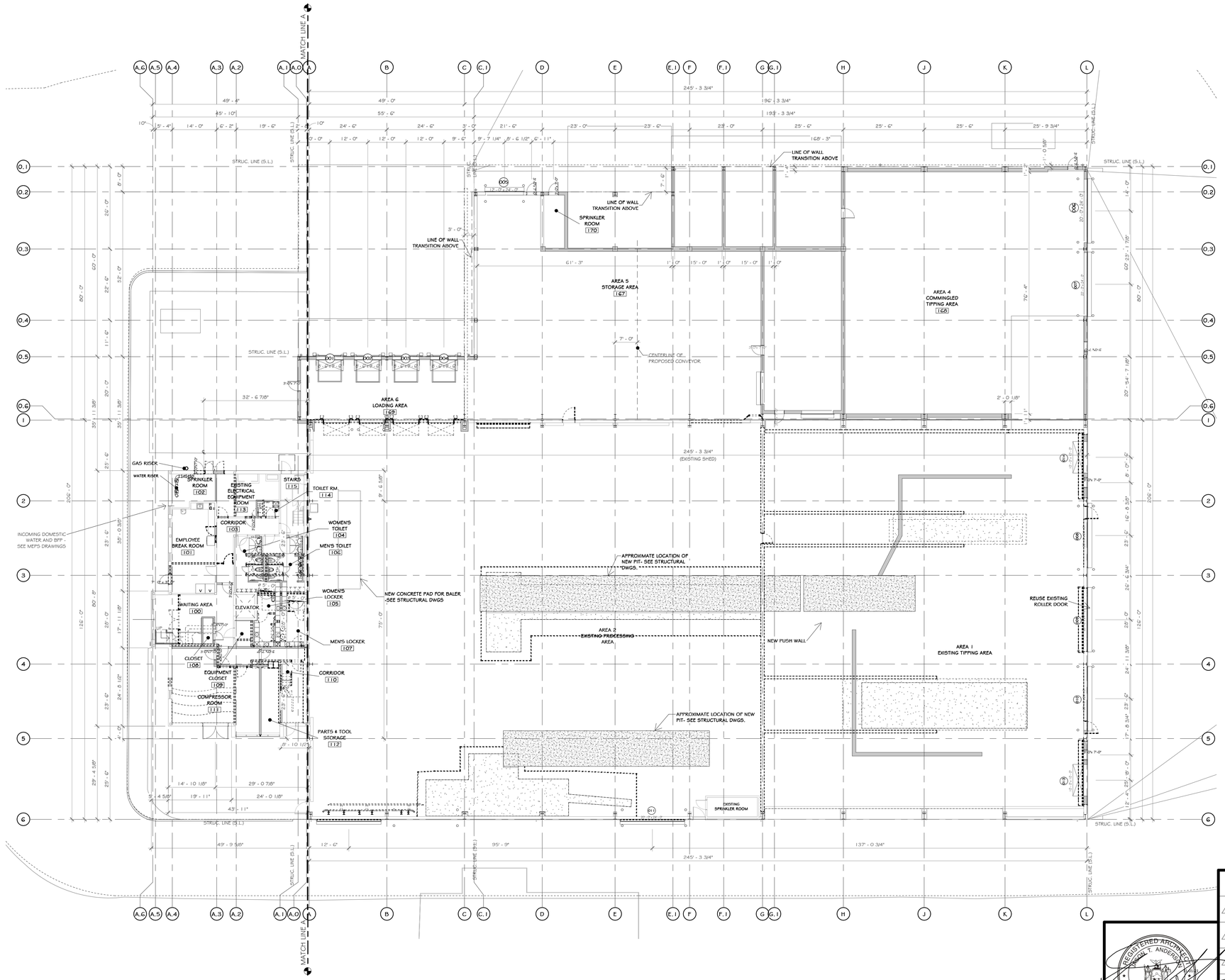

1 FIRST FLOOR OVERLAY PLAN (EXISTING-DEMO-NEW)
1/16" = 1'-0"

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CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

WALL LEGEND

- EXISTING WALL
- DEMOLISH WALL
- MTL. STUD WALL
- CMU WALL

DOOR LEGEND

- 100'S PERSONNEL DOOR TAG @ FIRST FLOOR LEVEL
- 200'S PERSONNEL DOOR TAG @ SECOND FLOOR LEVEL
- 500'S STOREFRONT DOOR TAG @ FIRST FLOOR LEVEL
- 600'S STOREFRONT DOOR TAG @ SECOND FLOOR LEVEL

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers ENGINEERING CONSULTANT
185 N. Pennsylvania Ave, Wilkes-Barre, PA 18701
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FIRST FLOOR COORDINATED PLAN

REV	DESCRIPTION	DATE BY CHK
D	ISSUED FOR CONSTRUCTION	09-28-21
C	ISSUED FOR CONTRACT	08-27-21
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A	ISSUED FOR RFP	07-06-21

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	BY	DATE
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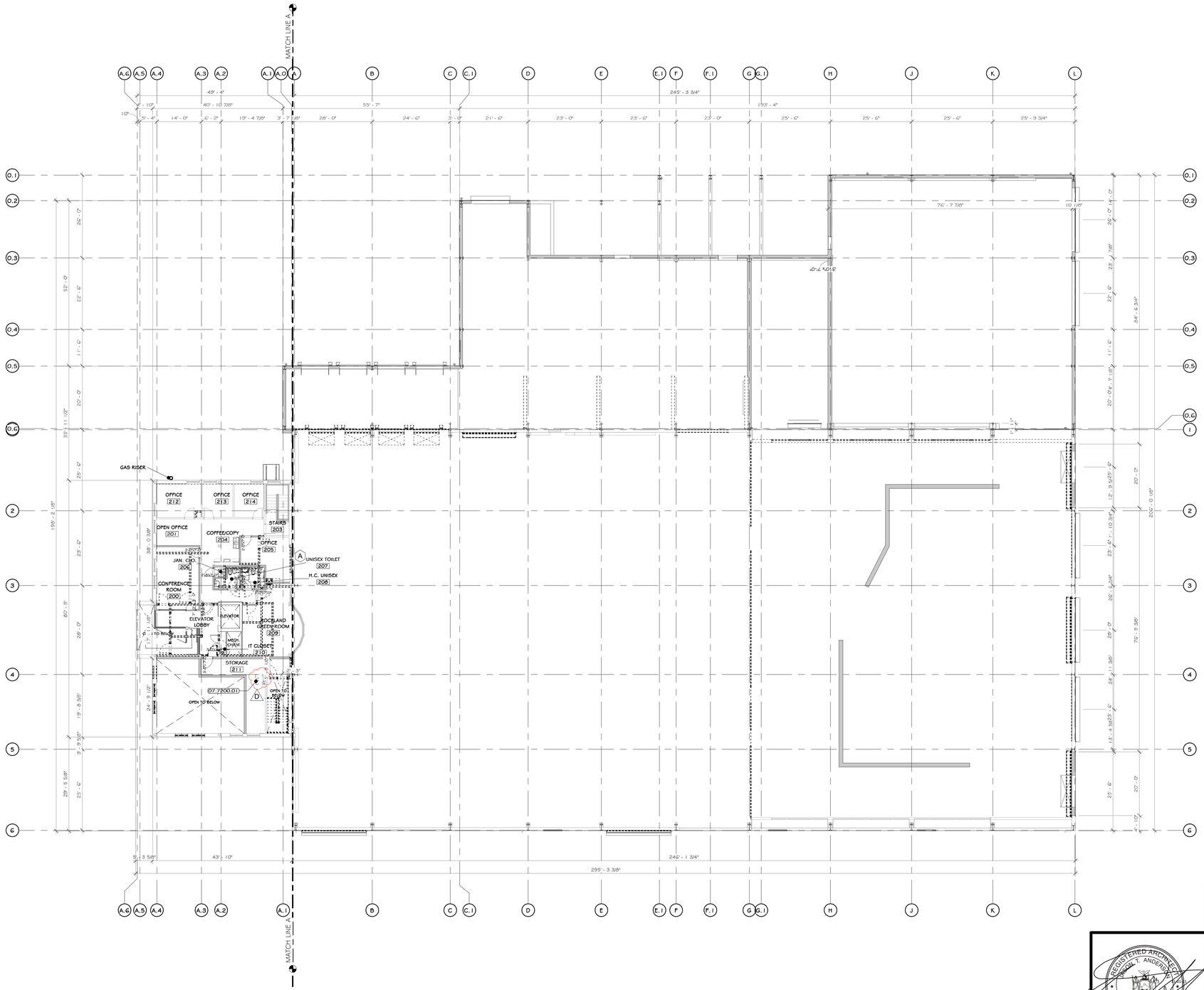
CHECKED	ADG	07/06/21
DESIGNED	ADG	07/06/21
APPROVED	ADG	07/06/21
APPROVED		

PROJ. No: 499-010 SCALE: AS SHOWN
DWG. NO: A-201 D
CAD FILE:
SHEET SIZE: D-24x36 REV



1 SECOND FLOOR OVERLAY PLAN (EXISTING-DEMO-NEW)
1/16" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

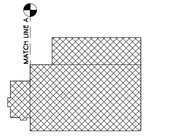
KEY NOTES

07.7200.01	ROOF HATCH 48" X 48"

WALL LEGEND	DOOR LEGEND
EXISTING WALL	100'S PERSONNEL DOOR TAG @ FIRST FLOOR LEVEL
DEMOLISH WALL	200'S PERSONNEL DOOR TAG @ SECOND FLOOR LEVEL
MTL. STUD WALL	500'S STOREFRONT DOOR TAG @ FIRST FLOOR LEVEL
CMU WALL	600'S STOREFRONT DOOR TAG @ SECOND FLOOR LEVEL

PROJECT

NORTH



KEY PLAN

AREA OF CONSTRUCTION

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martinrogers
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SECOND FLOOR COORDINATED PLAN

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APPROVED	ADG	07/06/21
APPROVED		

PROJ. No: 499-010 SCALE: AS SHOWN
DWG. NO: A-202 .D
CAD FILE:
SHEET SIZE: D-24x36 REV

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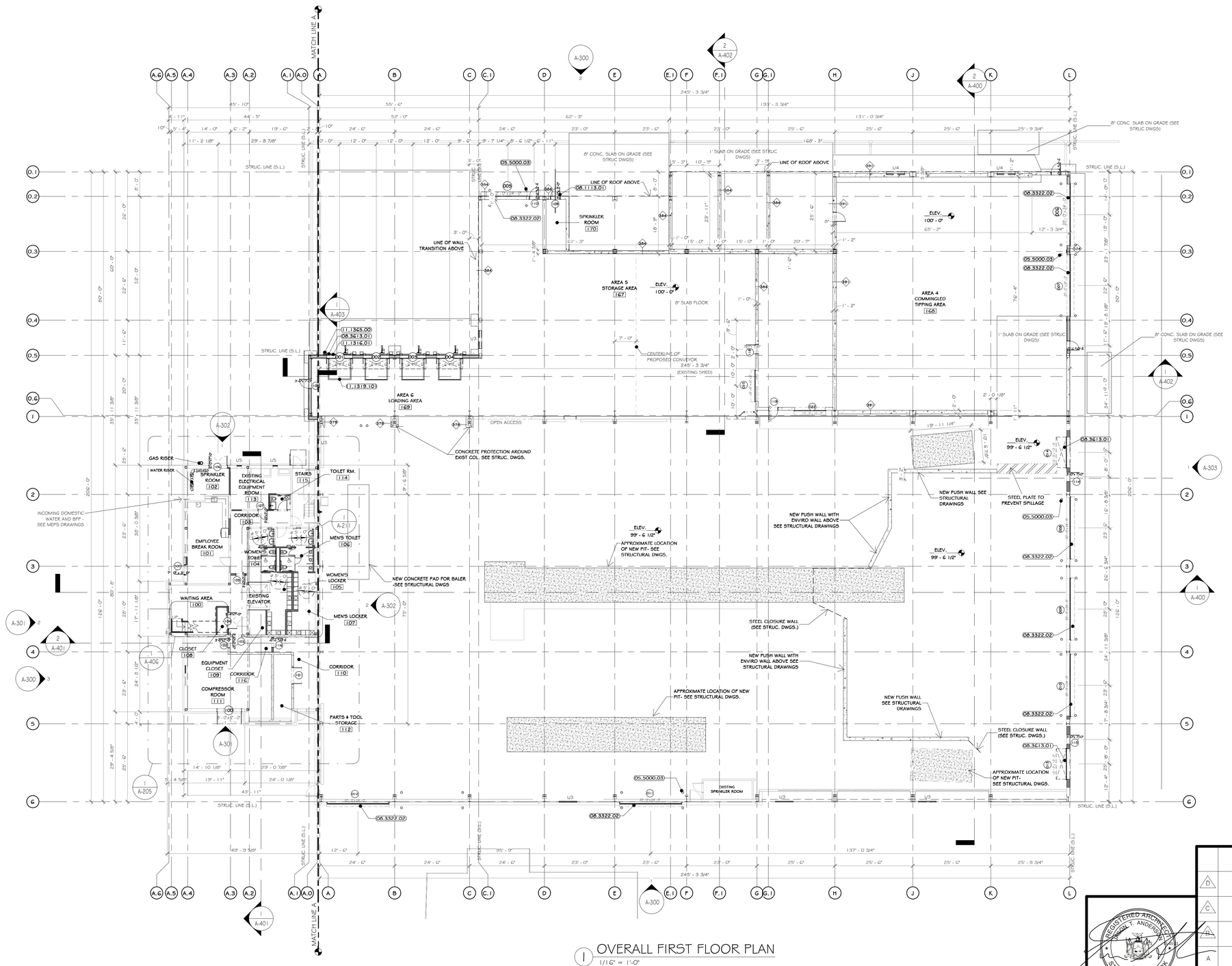

1 OVERALL FIRST FLOOR PLAN
1/16" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. ALL DIMENSIONS ARE TO ROUGH FRAMING.
2. NOTE: NOT ALL CONSTRUCTION NOTES MAY BE SPECIFIC TO THIS DRAWING.
3. NOTE: F.F. ELEVATION 449.5' ON CIVIL DWGS. = F.F. ELEV. 100'-0" ON ARCH. DWGS.
4. F.F. ELEVATIONS:
   a. INDUSTRIAL MAIN FLOOR: 100'-0"
   b. OFFICE FIRST FLOOR: 100'-0"
   c. OFFICE SECOND FLOOR: 112'-3"
5. GENERAL CONTRACTOR TO VERIFY ALL ROUGH OPENING SIZES WITH RESPECTIVE MANUFACTURERS (DOORWINDOWLOUVERSETC.) PRIOR TO ORDERING AND LAYING OUT CONCRETE OPENINGS, STUD FRAMING, ORDERING PEMB, ETC.
6. SEE LIFE SAFETY PLANS FOR LOCATIONS OF FIRE EXTINGUISHERS. GC TO CONSULT WITH LOCAL AHJ, PRIOR TO CO INSPECTION, TO CONFIRM ACCEPTANCE OF LOCATIONS BY FIRE MARSHAL. FIRE EXTINGUISHER CABINETS TO BE PROVIDED AT ALL FINISHED OFFICE SPACES AND WALL HUNG EXPOSED FIRE EXTINGUISHERS AT ALL OTHER LOCATIONS. PROVIDE OPENING AND BLOCKING WITHIN FRAMING FOR WALL CABINETS AND MOUNTING HARDWARE.
7. GENERAL LOCATION OF IN-SLAB EQUIPMENT PITS – SEE STRUCTURAL AND EQUIPMENT DRAWINGS.
8. EXISTING NORTH / EAST/ WEST EXTERIOR CMU TO REMAIN UON EXISTING STRUCTURE TO REMAIN EXCEPT WHERE NOTED.
9. FIRE EXTINGUISHER LOCATIONS MOUNTED TO INTERIOR BUILDING COLUMNS WITHIN INDUSTRIAL AREAS ARE TO BE IDENTIFIED BY PAINTING EACH RESPECTIVE COLUMN RED, FROM FF (ELEV 100') UP TO 5'-0" BELOW THE TOP OF THE COLUMN.
10. CLEARANCE ENVELOPE IS AN AREA DEDICATED TO EQUIPMENT AND CLEARANCES REQUIRED FOR ANY VEHICLES OR EQUIPMENT TO PASS THROUGH. UNLESS OTHERWISE NOTED, NO STRUCTURAL, MECHANICAL, ELECTRICAL OR ARCHITECTURAL ASPECTS OF THE BUILDING (INCLUDING BUT NOT LIMITED TO FIRE PROTECTION, SMOKE SCREENS, DRAFT CURTAINS, ELECTRICAL CONDUIT, OVERHEAD DOORS AND TRACKS, ETC.) SHALL BE ABOVE OR OUTSIDE THE REQUIRED LIMITS AS INDICATED BY THE CLEARANCE ENVELOPE SHOWN ON THE DRAWINGS.
11. CLEARANCE ENVELOPE WITHIN INDUSTRIAL TIPPING AREAS / ROOMS (100, 101, ETC.): A 24'-0"CLEAR ENVELOPE HEIGHT MUST BE MAINTAINED. NOTHING IS PERMITTED TO HANG OR BE MOUNTED BELOW THESE HEIGHTS IN THESE RESPECTIVE AREAS.
12. NOTE: UTILITIES, PIPING, FIRE EXTINGUISHERS, CONDUIT, OUTLETS, ETC. ARE NOT PERMITTED TO BE MOUNTED TO CONCRETE PUSH WALLS.
13. COLUMN LINES A, C, I, 1AND G REPRESENT THE OUTSIDE EDGE OF PEMB STEEL (SL=STRUCTURE LINE).
14. ALL OVERHEAD DOORS ARE SHOWN WITH THEIR OPEN POSITION DASHED IN ABOVE. NO SIGNAGE OR LIGHTING IS TO BE MOUNTED TO AS TO INTERFERE WITH DOOR OPERATION. ALL MEP SYSTEMS, INCLUDING THOSE MOUNTED AT THE CEILING ABOVE, ARE TO BE MOUNTED BETWEEN DOORS.
15. EXISTING EXTERIOR FACADE IS TO BE POWER WASHED.
16. STRUCTURAL DETAILS AND SPECIFICATIONS OF ANY FRAMING MEMBERS, BRACING, ETC. SUPERSEDE THE ARCHITECTURAL DRAWINGS.
17. PEMB MANUFACTURER: REVIEW ALL A/S/MEP/FP BUILDING DRAWINGS AND NOTE ALL OPENINGS, ROOF MOUNTED EQUIPMENT, SIDE WALL MOUNTED EQUIPMENT / LOUVERS, LIGHT FIXTURE LOCATIONS, SYSTEM EQUIPMENT, ETC.
18. MODULAR FURNITURE, CONFERENCE TABLES, AND RECEPTION DESK SHOWN ON A-900 FURNITURE DRAWINGS.
19. SEE ASOD DRAWINGS FOR INTERIOR ELEVATIONS, DETAILS, DIMENSIONS, AND MOUNTING HEIGHTS OF MILLWORK AND COUNTERS.
20. SEE STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND IT/AV DRAWINGS AND SPECIFICATIONS FOR COORDINATION OF ALL RELATED ITEMS.
21. FIRE ALARM TO BE COORDINATED WITH OWNER AND THEIR EXISTING OFFICE BUILDING. SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS.
22. SEE CIVIL DRAWINGS AND SPECIFICATIONS FOR ALL SITE IMPROVEMENTS AND INCOMING UTILITIES BEYOND 5'-0" OUTSIDE OF THE BUILDING FOOTPRINT.
23. MIN. 5' X 5' IMPERVIOUS AREA REQUIRED AT EACH EXIT DOOR. G.C. TO PROVIDE EXTERIOR CONCRETE PADS IF ASPHALT IS NOT PROVIDED FOR ON CIVIL DRAWINGS. SEE STRUCTURAL AND CIVIL DRAWINGS AND SPECIFICATIONS.
24. FOUR EMPTY 3" CONDUIT WITH PULL TAPE TO BE PROVIDED FROM THE ELECTRICAL ROOM TO THE LOADING DOCK DOORS, BELOW SLAB. SEE STRUCTURAL DRAWINGS.
25. SEE CIVIL DRAWINGS AND SPECIFICATIONS FOR ALL SITE IMPROVEMENTS AND INCOMING UTILITIES BEYOND 5'-0" OUTSIDE OF THE BUILDING FOOTPRINT.
26. EQUIPMENT DRAWINGS ARE TO BE PROVIDED BY OWNER UNDER SEPARATE COVER DIRECTLY BY THE OWNER. GC TO MAINTAIN A CLEAR ENVELOPE FOR EQUIPMENT. ONCE EQUIPMENT DRAWINGS ARE RELEASED, CHANGES MAY BE MADE TO LIFE SAFETY COMPONENTS SO AS TO BE COORDINATED WITH EQUIPMENT LAYOUT AND COMPLY WITH ALL APPLICABLE LOCAL AND STATE CODES.

KEY NOTES

05.5000.03	8" O.D. BOLLARD, PAINTED SAFETY YELLOW, FILLED WITH CONCRETE WITH A 3/4" CROWN.
08.1113.01	EXTERIOR HOLLOW METAL INSULATED DOOR.
08.3322.02	ROLLING SERVICE DOOR, EXTERIOR MOUNTED
08.3613.01	INSULATED SECTIONAL OVERHEAD STEEL DOORS
11.1316.01	PIVOT UNIT FOAM DOCK DEALS
11.1319.101	MECHANICAL DOCK LEVELER MODEL MDG6: 6.0 FEET BY 8.0 FEET (1829 MM BY 2438 MM).
11.1365.00	DOCK DOOR SEAL: ELITE SERIES ADJUSTABLE INFLATABLE AS MANUFACTURED BY BLUE GIANT.

WALL LEGEND

- EXISTING WALL
- DEMOLISH WALL
- MTL. STUD WALL
- CMU WALL

DOOR LEGEND

- 100'S PERSONNEL DOOR TAG @ FIRST FLOOR LEVEL
- 200'S PERSONNEL DOOR TAG @ SECOND FLOOR LEVEL
- 500'S STOREFRONT DOOR TAG @ FIRST FLOOR LEVEL
- 600'S STOREFRONT DOOR TAG @ SECOND FLOOR LEVEL

PROJECT

PROJECT

N O R T H

MATCH LINE A

KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
ENGINEERING CONSULTANT
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REGISTERED ARCHITECT TRAVIS T. ANDERSON 033127 STATE OF NEW YORK

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Melville, N.Y. 11747 fax: 631-756-1064

OVERALL FIRST FLOOR PLAN

	BY	DATE		
DRAWN	REA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-203	.D
DESIGNED	ADG	07/06/21	CAD FILE:	
APPROVED	ADG	07/06/21	SHEET SIZE: D-24x36	REV
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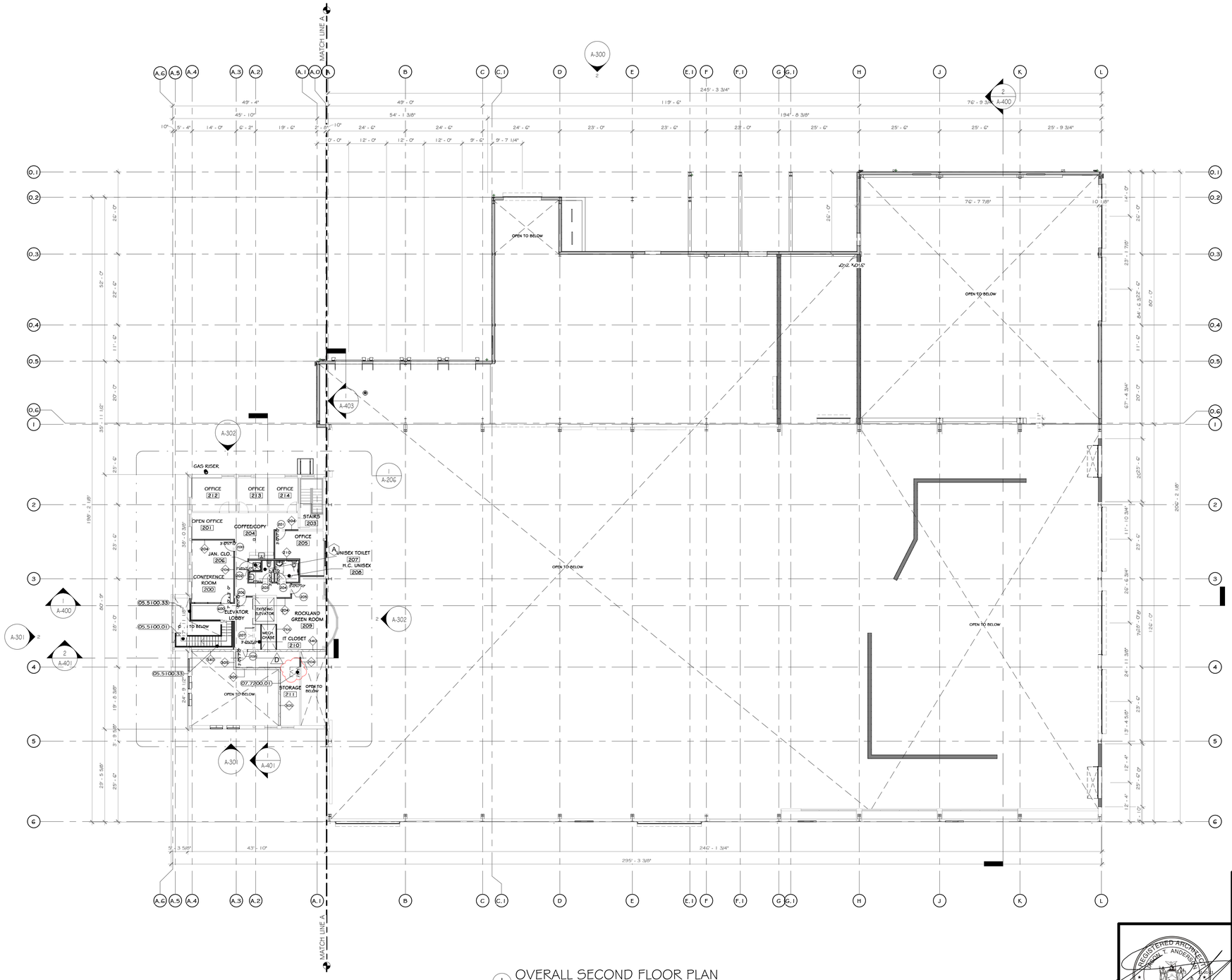

1 OVERALL SECOND FLOOR PLAN
1/16" = 1'-0"

CONSTRUCTION NOTES

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KEY NOTES

05.5100.01	METAL PAN STAIRS WITH CONCRETE INFILL.
05.5100.33	FABRICATED PIPE RAIL WITH VERTICAL BALUSTERS.
07.7200.01	ROOF HATCH 48" X 48"

WALL LEGEND

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- DEMOLISH WALL
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DOOR LEGEND

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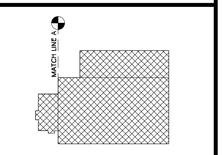
PROJECT

PROJECT

N O R T H



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OVERALL SECOND FLOOR PLAN

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C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	07-06-21

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

N.Y. R.A. LICENSE No. _____

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RRT Engineering , LLC
1 Huntington Quadrangle, 3S01
Melville, NY. 11747
ph: 631-756-1060
fax: 631-756-1064

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-204	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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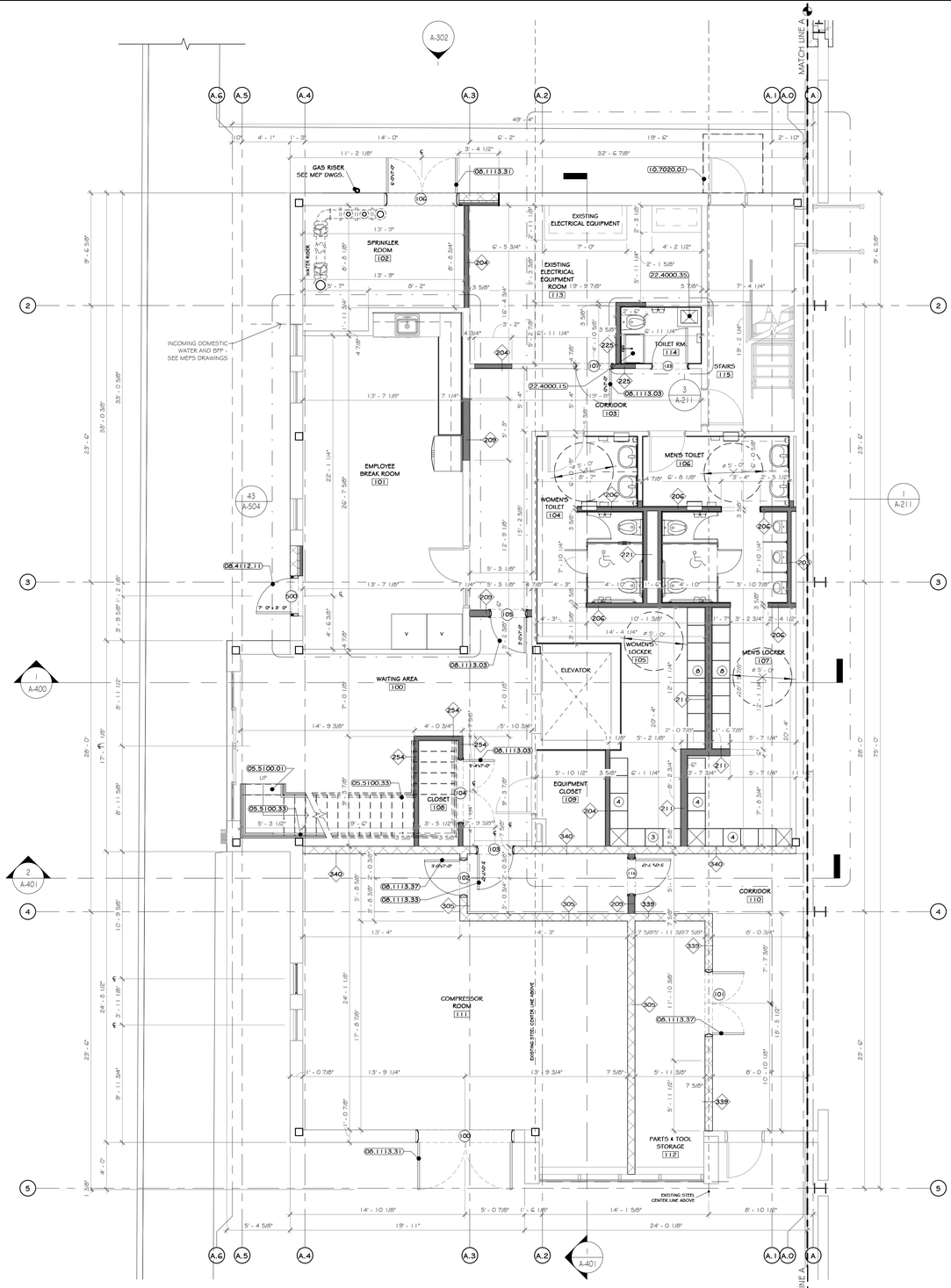


1 FIRST FLOOR PLAN_ENLARGED AREA 3 OFFICE
3/16" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

1. ALL DIMENSIONS ARE TO ROUGH FRAMING.
2. NOTE: NOT ALL CONSTRUCTION NOTES MAY BE SPECIFIC TO THIS DRAWING.
3. NOTE: F.F. ELEVATION 449.37 ON CIVIL DWGS. = F.F. ELEV. 100'-0" ON ARCH. DWGS.
4. F.F. ELEVATIONS:
   a. MAIN FLOOR: 100'-0"
   b. SECOND FLOOR: 112'-3"
5. GENERAL CONTRACTOR TO VERIFY ALL ROUGH OPENING SIZES WITH RESPECTIVE MANUFACTURERS (DOOR/WINDOW/LOUVERS/ETC.) PRIOR TO ORDERING AND LAYING OUT CONCRETE OPENINGS, STUD FRAMING, ORDERING PEMB, ETC.
6. SEE LIFE SAFETY PLANS FOR LOCATIONS OF FIRE EXTINGUISHERS. GC TO CONSULT WITH LOCAL AHJ, PRIOR TO CO INSPECTION, TO CONFIRM ACCEPTANCE OF LOCATIONS BY FIRE MARSHAL. FIRE EXTINGUISHER CABINETS TO BE PROVIDED AT ALL FINISHED OFFICE SPACES AND WALL HUNG EXPOSED FIRE EXTINGUISHERS AT ALL OTHER LOCATIONS. PROVIDE OPENING AND BLOCKING WITHIN FRAMING FOR WALL CABINETS AND MOUNTING HARDWARE.
7. STRUCTURAL DETAILS AND SPECIFICATIONS OF ANY FRAMING MEMBERS, BRACING, ETC. SUPERSEDE THE ARCHITECTURAL DRAWINGS.
8. EXISTING NORTH / EAST/ WEST EXTERIOR CMU TO REMAIN UON EXISTING STRUCTURE TO REMAIN EXCEPT WHERE NOTED.
9. EXISTING EXTERIOR FAÇADE IS TO BE POWER WASHED.
10. PEMB MANUFACTURER: REVIEW ALL A/S/M/E/FP BUILDING DRAWINGS AND NOTE ALL OPENINGS, ROOF MOUNTED EQUIPMENT, SIDE WALL MOUNTED EQUIPMENT / LOUVERS, LIGHT FIXTURE LOCATIONS, SYSTEM EQUIPMENT, ETC.
12. MODULAR FURNITURE, CONFERENCE TABLES, AND RECEPTION DESK SHOWN ON A-900's FURNITURE DRAWINGS.
13. SEE ASOD DRAWINGS FOR INTERIOR ELEVATIONS, DETAILS, DIMENSIONS, AND MOUNTING HEIGHTS OF MILLWORK AND COUNTERS.
14. SEE STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND IT/AV DRAWINGS AND SPECIFICATIONS FOR COORDINATION OF ALL RELATED ITEMS.
15. FIRE ALARM TO BE COORDINATED WITH OWNER AND THEIR EXISTING FACILITIES. SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS
16. SEE CIVIL DRAWINGS AND SPECIFICATIONS FOR ALL SITE IMPROVEMENTS AND INCOMING UTILITIES BEYOND 5'-0" OUTSIDE OF THE BUILDING FOOTPRINT
17. MIN. 5' X 5' IMPERVIOUS AREA REQUIRED AT EACH EXIT DOOR. G.C. TO PROVIDE EXTERIOR CONCRETE PADS IF ASPHALT IS NOT PROVIDED FOR ON CIVIL DRAWINGS. SEE STRUCTURAL AND CIVIL DRAWINGS AND SPECIFICATIONS.
18. GC TO PATCH/REPAIR/REPLACE GYPSUM BD IN ALL EXISTING AREAS AS REQUIRED - SEE SPECS.

KEY NOTES

05.5100.01	METAL PAN STAIRS WITH CONCRETE INFILL.
05.5100.33	FABRICATED PIPE RAIL WITH VERTICAL BALUSTERS.
08.1113.03	INTERIOR HOLLOW METAL FIRE RATED DOOR.
08.1113.31	WELDED EXTERIOR HM DOOR.
08.1113.33	WELDED INTERIOR HM NON-RATED DOOR.
08.1113.37	WELDED INTERIOR FIRE RATED HM.
08.4112.11	ALUMINUM FRAMED DOOR, MEDIUM STILE
10.7020.01	ARCHITECTURAL CANOPY, INTERNAL GUTTER AND DRAIN: EXTRUDECK.
22.4000.15	KITCHEN SINK, SINGLE BASIN, TOP MOUNT, ADA 19" X 17" X 6 1/8" S.S.
22.4000.35	SERVICE BASIN; 20" X 24".

WALL LEGEND

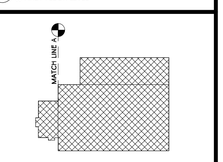
- EXISTING WALL
- DEMOLISH WALL
- MTL. STUD WALL
- CMU WALL

DOOR LEGEND

- 100'S PERSONNEL DOOR TAG @ FIRST FLOOR LEVEL
- 200'S PERSONNEL DOOR TAG @ SECOND FLOOR LEVEL
- 500'S STOREFRONT DOOR TAG @ FIRST FLOOR LEVEL
- 600'S STOREFRONT DOOR TAG @ SECOND FLOOR LEVEL

PROJECT

NORTH



KEY PLAN

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NY COA # 0017967

Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

ENLARGED FIRST FLOOR OFFICE PLAN

REV	DESCRIPTION	DATE	BY
D	ISSUED FOR CONSTRUCTION	09-28-21	
C	ISSUED FOR CONTRACT	08-27-21	
B	REVISED FOR RFP ADDENDUM 6	07-23-21	
A	ISSUED FOR RFP	07-06-21	RCA

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	BY	DATE
DRAWN	RCA	07/06/21
CHECKED	ADG	07/06/21
DESIGNED	ADG	07/06/21
APPROVED	ADG	07/06/21
APPROVED		

PROJ. No: 499-010 SCALE: AS SHOWN
DWG. NO: A-205 REV: D
CAD FILE:
SHEET SIZE: D-24x36

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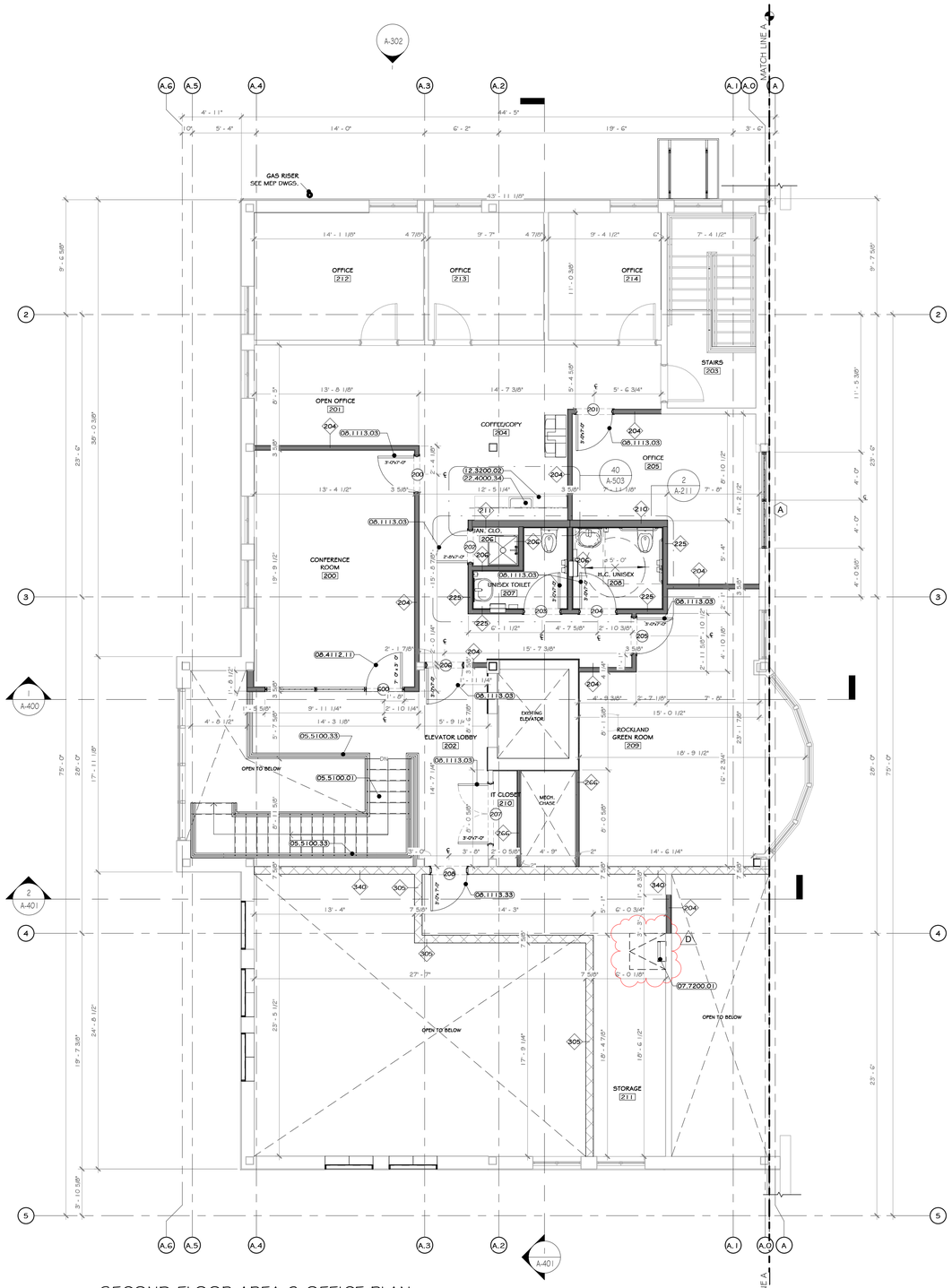

1 SECOND FLOOR AREA 3 OFFICE PLAN

3/16" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. ALL DIMENSIONS ARE TO ROUGH FRAMING.
2. NOTE: NOT ALL CONSTRUCTION NOTES MAY BE SPECIFIC TO THIS DRAWING.
3. NOTE: F.F. ELEVATION 449.5' ON CIVIL DWGS. = F.F. ELEV. 100'-0" ON ARCH. DWGS.
4. F.F. ELEVATIONS:
   a. MAIN FLOOR: 100'-0"
   b. SECOND FLOOR: 112'-3"
5. GENERAL CONTRACTOR TO VERIFY ALL ROUGH OPENING SIZES WITH RESPECTIVE MANUFACTURERS (DOOR/WINDOW/LOUVERS/ETC.) PRIOR TO ORDERING AND LAYING OUT CONCRETE OPENINGS, STUD FRAMING, ORDERING FEMB, ETC.
6. SEE LIFE SAFETY PLANS FOR LOCATIONS OF FIRE EXTINGUISHERS. GC TO CONSULT WITH LOCAL AHJ, PRIOR TO CO INSPECTION, TO CONFIRM ACCEPTANCE OF LOCATIONS BY FIRE MARSHAL. FIRE EXTINGUISHER CABINETS TO BE PROVIDED AT ALL FINISHED OFFICE SPACES AND WALL HUNG EXPOSED FIRE EXTINGUISHERS AT ALL OTHER LOCATIONS. PROVIDE OPENING AND BLOCKING WITHIN FRAMING FOR WALL CABINETS AND MOUNTING HARDWARE.
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12. MODULAR FURNITURE, CONFERENCE TABLES, AND RECEPTION DESK SHOWN ON A-900's FURNITURE DRAWINGS.
13. SEE A500 DRAWINGS FOR INTERIOR ELEVATIONS, DETAILS, DIMENSIONS, AND MOUNTING HEIGHTS OF MILLWORK AND COUNTERS.
14. SEE STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND IT/AV DRAWINGS AND SPECIFICATIONS FOR COORDINATION OF ALL RELATED ITEMS.
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18. GC TO PATCH/REPAIR/REPLACE GYPSUM BOARD IN ALL EXISTING AREAS AS REQUIRED - SEE SPECS.

KEY NOTES

05.5100.01	METAL PAN STAIRS WITH CONCRETE INFILL.
05.5100.33	FABRICATED PIPE RAIL WITH VERTICAL BALUSTERS.
07.7200.01	ROOF HATCH 48" X 48"
08.1113.03	INTERIOR HOLLOW METAL FIRE RATED DOOR.
08.1113.33	WELDED INTERIOR HM NON-RATED DOOR.
08.4112.11	ALUMINUM FRAMED DOOR, MEDIUM STILE
12.3200.02	WOOD LAMINATE KITCHENETTE CASEWORK.
22.4000.34	KITCHEN SINK, SINGLE BASIN, UNDERMOUNT.

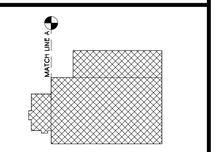
WALL LEGEND

- EXISTING WALL
- DEMOLISH WALL
- MTL. STUD WALL
- CMU WALL

DOOR LEGEND

- 100'S PERSONNEL DOOR TAG @ FIRST FLOOR LEVEL
- 200'S PERSONNEL DOOR TAG @ SECOND FLOOR LEVEL
- 500'S STOREFRONT DOOR TAG @ FIRST FLOOR LEVEL
- 600'S STOREFRONT DOOR TAG @ SECOND FLOOR LEVEL

PROJECT NORTH



KEY PLAN

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Sterling Environmental Engineering, P.C.

martinrogers
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RRT Engineering, LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

REV	DESCRIPTION	DATE	BY
D	ISSUED FOR CONSTRUCTION	05-28-21	
C	ISSUED FOR CONTRACT	05-27-21	
B	REVISED FOR RFP ADDENDUM 6	05-23-21	
A	ISSUED FOR RFP	05-06-21	

REGISTERED ARCHITECT JASON T. ANDERSON 031127 STATE OF NEW YORK

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RRT Engineering , LLC
1 Huntington Quadrangle, 3S01
Melville, N.Y. 11747
ph: 631-756-1060
fax: 631-756-1064

ENLARGED SECOND FLOOR OFFICE PLAN

	BY	DATE		
DRAWN	JDCA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-206	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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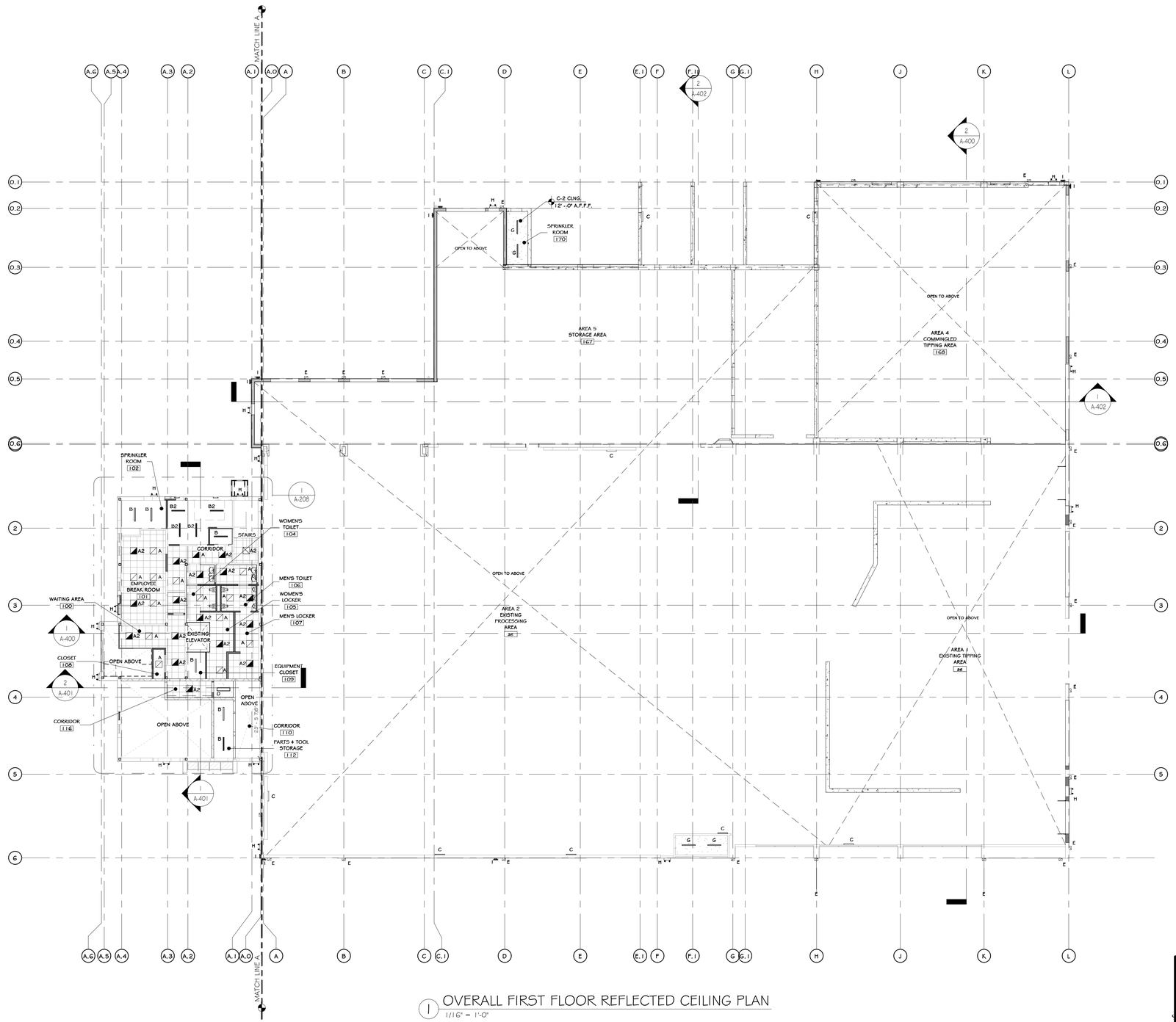

1 OVERALL FIRST FLOOR REFLECTED CEILING PLAN
1/16" = 1'-0"

LIGHTING SCHEDULE (1ST FLR)

NOTE: ELECTRICAL DRAWINGS SHALL SUPERSEDE THIS SCHEDULE AND INFORMATION FOUND ON LIGHTING ON THIS SHEET

SYMBOL	LABEL	QUANTITY	ARRANGEMENT	DESCRIPTION	MANUF.	MOUNTING HEIGHT (NO DATA WITH CEILING
	A	14	-	2' X 2' FLAT PANEL WITH EMERGENCY BATTERY	COLUMBIA	
	A2	17	-	2' X 2' FLAT PANEL WITH EMERGENCY BATTERY	COLUMBIA	
	B	6	-	4' STRIP LIGHT (30.1 WATTS)	LSI	
	B2	4	-	4' STRIP LIGHT (38.4 WATTS)	LSI	
	C	11	-	4" WIDE SLOT LIGHT LED LINEAR CLG. SURFACE	SEE ELEC. DWGS.	
	D	1	-	1'2"x48" WIDE SLOT LIGHT LED LINEAR CLG. RECESSED	SEE ELEC. DWGS.	
	E	4	-	WALL PACK (140 WATTS)	HUBBELL	
	G	4	-	4" WIDE SLOT LIGHT LED LINEAR CLG. RECESSED	SEE ELEC. DWGS.	
	H	16	-	EMERGENCY LIGHT- REFER TO ELECT. DWGS.	-	
	I	10		WALL LED FLOODLIGHT		

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. EXTERIOR EMERGENCY LIGHT WITH BATTERY BACKUP TO BE PROVIDED AT ALL EGRESS DOORS.
2. SEE ELECT. DWGS. FOR DATA VOICE OUTLET LAYOUT & FULL LIGHTING SPECS.
3. ALL LAMPS TO BE 4000 KELVIN RANGE.
4. ADEQUATE NUMBER OF FIXTURES WITH EMERGENCY BALLASTS TO BE PROVIDED: (1) F.C. IN ALL AREAS. <SEE ELECT. DWG>
5. ALL EXPOSED STRUCTURAL ELEMENTS (METAL DECK, MAINFRAMES, PURLINS, ETC.)) TO BE PRIMED AND PAINTED.-SEE FINISH SCHEDULE.CEILING
6. PROVIDE WALL MOUNTED FIXTURES WITHIN STAIR WELL, WHERE STAIR ABOVE BLOCKS CEILING LIGHTING.

LINE TYPE	DESCRIPTION
— — — — — — — —	LINE OF BULKHEAD ABOVE

CEILING FINISH SCHEDULE

NOTE: ELECTRICAL DRAWINGS SHALL SUPERSEDE THIS SCHEDULE AND INFORMATION FOUND ON LIGHTING ON THIS SHEET.

MARK	NAME	SYMBOL	COLOR & MATERIAL SPECS	SPECS.	MANUF.	NOTES	AREA
C-1	(09.5105.01) 24"x24" TEGULAR CEILING TILE		24"x24" TEGULAR TILE	ACOUSTICAL PANELS ULTIMA LAY IN #1802	ARMSTRONG		6779 SF
C-2	GYPSUM WALL BOARD		HARMONY INTERIOR PAINT SW7005, "PURE WHITE"	PAINTED	SHERWIN WILLIAMS		285 SF
C-3	EXPOSED CEILING		HARMONY INTERIOR PAINT SW7005, "PURE WHITE"	PAINTED ROOF STRUCTURE	SHERWIN WILLIAMS		127141 SF
C-4	(09.5105.__) 24"x24" TEGULAR CEILING TILE		24"x24" TEGULAR TILE	OPTIMA HEALTH ZONE P13	ARMSTRONG		1184 SF

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
ENGINEERING CONSULTANT
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
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ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

OVERALL FIRST FLOOR REFLECTED CEILING PLAN

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-207	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION		09-28-21
C	ISSUED FOR CONTRACT		08-27-21
B	REVISED FOR RFP ADDENDUM 6		07-23-21
A	ISSUED FOR RFP	JS	07-06-21

REGISTERED ARCHITECT JASON T. ANDERSON 031127 STATE OF NEW YORK

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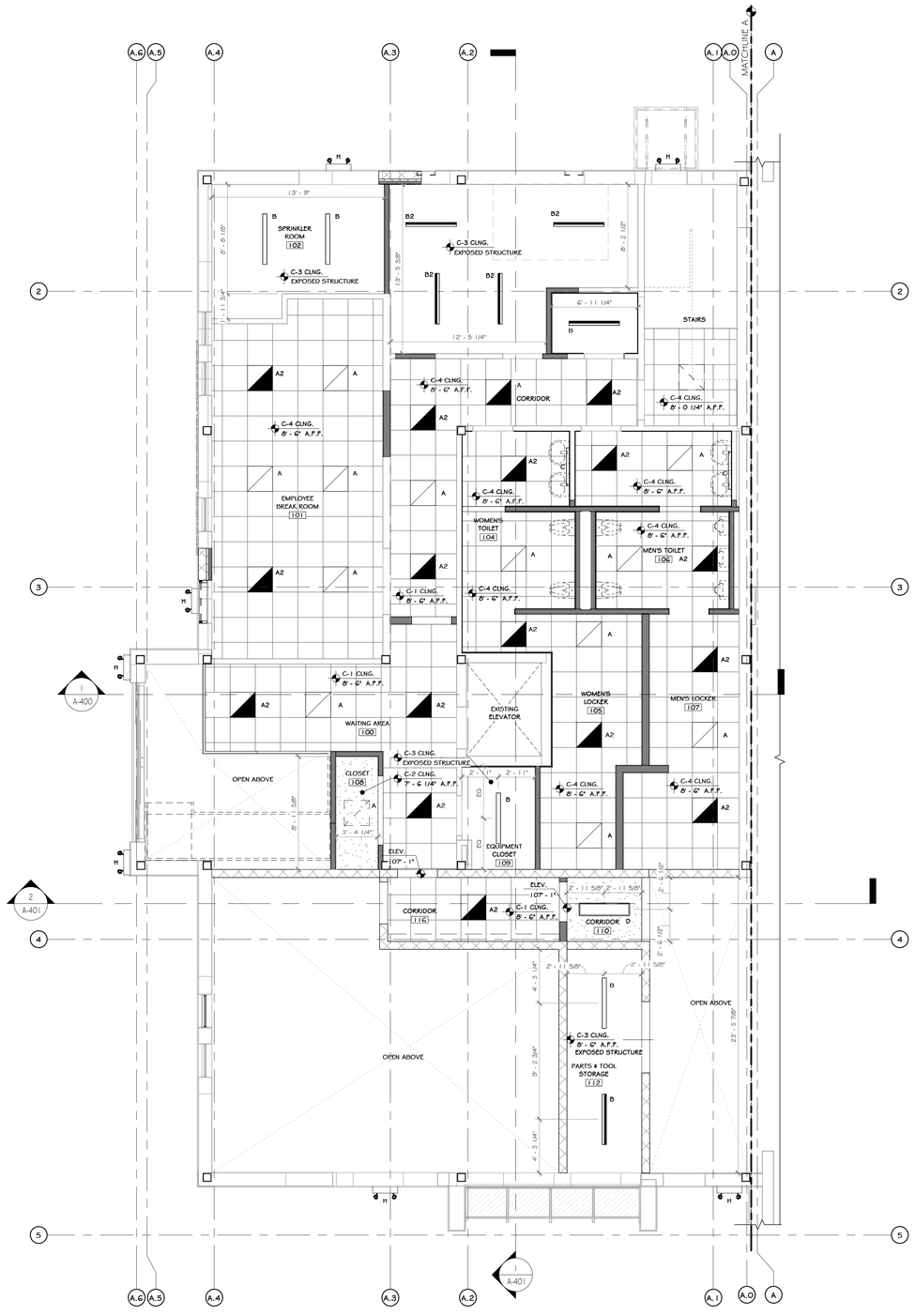


1 FIRST FLOOR ENLARGED REFLECTED CEILING PLAN (AREA 3)
3/16" = 1'-0"

LIGHTING SCHEDULE (1 ST FLR)

NOTE: ELECTRICAL DRAWINGS SHALL SUPERSEDE THIS SCHEDULE AND INFORMATION FOUND ON LIGHTING ON THIS SHEET

SYMBOL	LABEL	QUANTITY	ARRANGEMENT	DESCRIPTION	MANUF.	MOUNTING HEIGHT (NO DATA WIN CEILING
	A	14	-	2' X 2' FLAT PANEL WITH EMERGENCY BATTERY	COLUMBIA	
	A2	17	-	2' X 2' FLAT PANEL WITH EMERGENCY BATTERY	COLUMBIA	
	B	6	-	4' STRIP LIGHT (30.1 WATTS)	LSI	
	B2	4	-	4' STRIP LIGHT (38.4 WATTS)	LSI	
	C	11	-	4" WIDE SLOT LIGHT LED LINEAR CLG. SURFACE	SEE ELEC. DWGS.	
	D	1	-	12"x48" WIDE SLOT LIGHT LED LINEAR CLG. RECESSED	SEE ELEC. DWGS.	
	E	4	-	WALL PACK (140 WATTS)	HUBBELL	
	G	4	-	4" WIDE SLOT LIGHT LED LINEAR CLG. RECESSED	SEE ELEC. DWGS.	
	H	16	-	EMERGENCY LIGHT- REFER TO ELECT. DWGS.	-	
	I	10		WALL LED FLOODLIGHT		

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

1. EXTERIOR EMERGENCY LIGHT WITH BATTERY BACKUP TO BE PROVIDED AT ALL EGRESS DOORS.
2. SEE ELECT. DWGS. FOR DATA VOICE OUTLET LAYOUT & FULL LIGHTING SPECS.
3. ALL LAMPS TO BE 4000 KELVIN RANGE.
4. ADEQUATE NUMBER OF FIXTURES WITH EMERGENCY BALLASTS TO BE PROVIDED: (1) F.C. IN ALL AREAS. - SEE ELECT. DWGS
5. ALL EXPOSED STRUCTURAL ELEMENTS (METAL DECK, MAINFRAMES, PURLINS, ETC.)) TO BE PRIMED AND PAINTED.-SEE FINISH SCHEDULE
6. PROVIDE WALL MOUNTED FIXTURES WITHIN STAIR WELL, WHERE STAIR ABOVE BLOCKS CEILING LIGHTING.

LEGEND

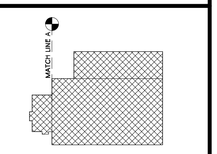
LINE TYPE	DESCRIPTION
— — — — — — — — — — — —	LINE OF BULKHEAD ABOVE

CEILING FINISH SCHEDULE

NOTE: ELECTRICAL DRAWINGS SHALL SUPERSEDE THIS SCHEDULE AND INFORMATION FOUND ON LIGHTING ON THIS SHEET.

MARK	NAME	SYMBOL	COLOR & MATERIAL SPECS	SPECS.	MAN UF.	NOTES	AREA
C-1	(09.51.05.01) 24"x24" TEGULAR CEILING TILE		24"x24" TEGULAR TILE	ACOUSTICAL PANELS ULTIMA LAY IN #1902	ARMST RONG		6779 SF
C-2	GYPSUM WALL BOARD		HARMONY INTERIOR PAINT SW7005, "PURE WHITE"	PAINTED	SHERWI N WILLIAM S		285 SF
C-3	EXPOSED CEILING		HARMONY INTERIOR PAINT SW7005, "PURE WHITE"	PAINTED ROOF STRUCTURE	SHERWI N WILLIAM S		127141 SF
C-4	(09.51.05.__) 24"x24" TEGULAR CEILING TILE		24"x24" TEGULAR TILE	OPTIMA HEALTH ZONE PB	ARMST RONG		1184 SF

PROJECT NORTH



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NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

ENLARGED FIRST FLR. OFFICE
REFLECTED CEILING PLAN

REV	DESCRIPTION	DATE	BY	CK'D
D	ISSUED FOR CONSTRUCTION	03-28-22		
C	ISSUED FOR CONTRACT	08-27-21		
B	REVISED FOR RFP ADDENDUM 6	07-23-21		
A	ISSUED FOR RFP	07-06-21	JS	AS

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

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	BY	DATE		
DRAWN	JDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-208	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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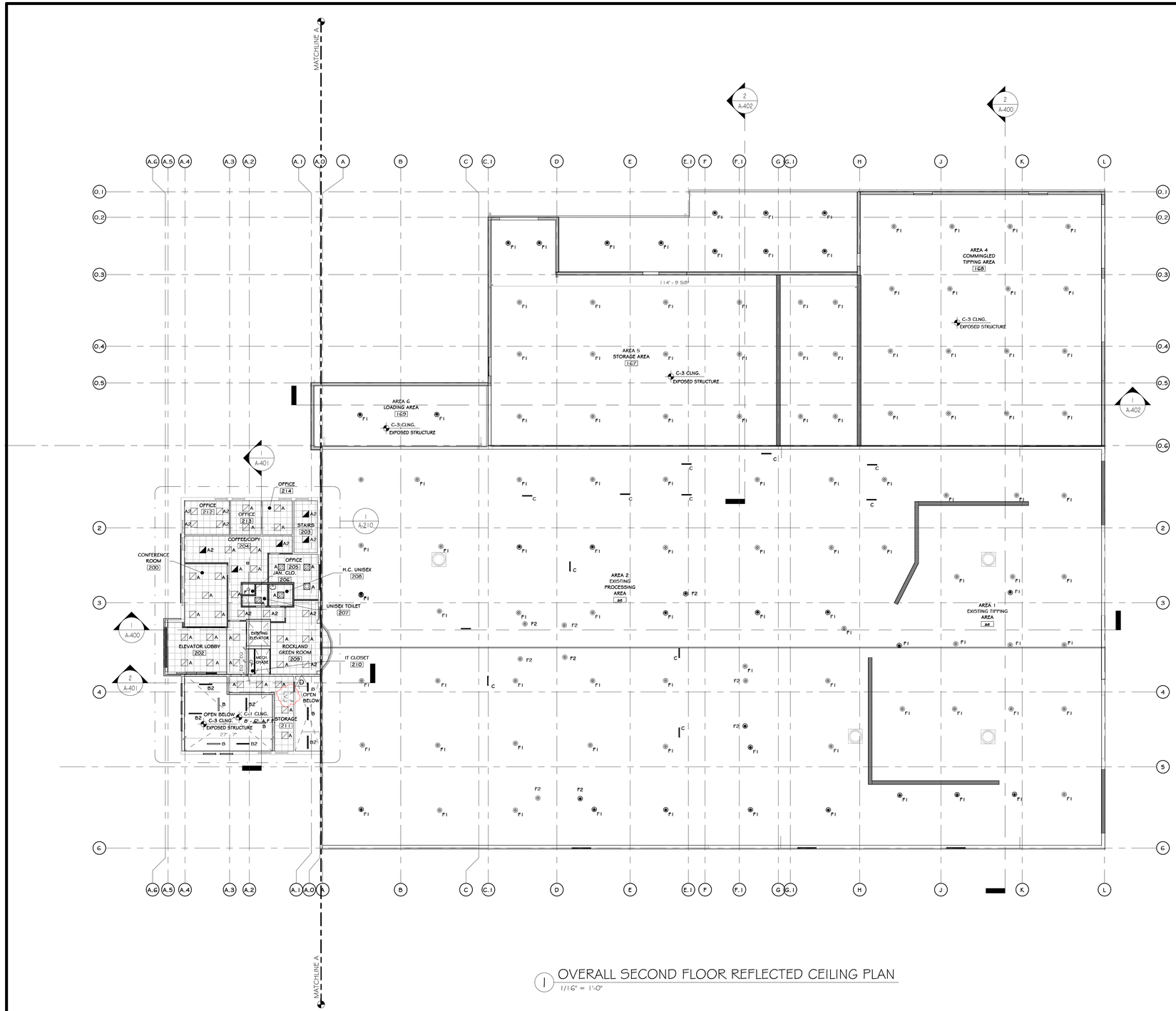


1 OVERALL SECOND FLOOR REFLECTED CEILING PLAN
1/16" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

1. EXTERIOR EMERGENCY LIGHT WITH BATTERY BACKUP TO BE PROVIDED AT ALL EGRESS DOORS.
2. SEE ELECT. DWGS. FOR DATA VOICE OUTLET LAYOUT & FULL LIGHTING SPECS.
3. ALL LAMPS TO BE 4000 KELVIN RANGE.
4. ADEQUATE NUMBER OF FIXTURES WITH EMERGENCY BALLASTS TO BE PROVIDED: (1) F.C. IN ALL AREAS. - SEE ELECT. DWGS.
5. ALL EXPOSED STRUCTURAL ELEMENTS (METAL DECK, MAINFRAMES, PURLINS, ETC.)) TO BE PRIMED AND PAINTED -SEE FINISH SCHEDULE
6. PROVIDE WALL MOUNTED FIXTURES WITHIN STAIR WELL, WHERE STAIR ABOVE BLOCKS CEILING LIGHTING.

LEGEND

LINE TYPE	DESCRIPTION
— — — — — — — — — — — —	LINE OF BULKHEAD ABOVE

LIGHTING SCHEDULE (2ND FLR)

NOTE: ELECTRICAL DRAWINGS SHALL SUPERSEDE THIS SCHEDULE AND INFORMATION FOUND ON LIGHTING ON THIS SHEET

SYMBOL	LABEL	QUANTITY	ARRANGEMENT	DESCRIPTION	MANUF.	MOUNTING HEIGHT (NO DATA WIN CEILING
	A	33	-	<varies>	<varies>	<varies>
	A2	16	-	2' X 2' FLAT PANEL WITH EMERGENCY BATTERY	COLUMBIA	
	B	5	-	4' STRIP LIGHT (30.1 WATTS)	LSI	
	B2	5	-	4' STRIP LIGHT (36.4 WATTS)	LSI	
	C	12	-	4" WIDE SLOT LIGHT LED LINEAR CLG. SURFACE	SEE ELEC. DWGS.	
	F	2		CHAIN HUNG PENDANT LIGHT	SEE ELEC. DWGS.	-
	F1	110	-	HIGH BAY, NOTE 6	SEE ELEC. DWGS.	
	F2	8		HIGH BAY	SEE ELEC. DWGS.	

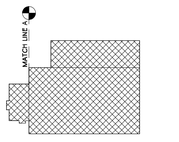
CEILING FINISH SCHEDULE

NOTE: ELECTRICAL DRAWINGS SHALL SUPERSEDE THIS SCHEDULE AND INFORMATION FOUND ON LIGHTING ON THIS SHEET.

MARK	NAME	SYMBOL	COLOR & MATERIAL SPECS	SPECS.	MAN UF.	NOTES	AREA
C-1	(09.5105.01) 24"x24" TEGULAR CEILING TILE		24"x24" TEGULAR TILE	ACOUSTICAL PANELS ULTIMA LAY IN #1902	ARMST RONG		6779 SF
C-2	GYPSUM WALL BOARD		HARMONY INTERIOR PAINT SW7005, "PURE WHITE"	PAINTED	SHERWI N WILLIAM S		285 SF
C-3	EXPOSED CEILING		HARMONY INTERIOR PAINT SW7005, "PURE WHITE"	PAINTED ROOF STRUCTURE	SHERWI N WILLIAM S		127141 SF
C-4	(09.5105.__) 24"x24" TEGULAR CEILING TILE		24"x24" TEGULAR TILE	OPTIMA HEALTH ZONE PB	ARMST RONG		1184 SF

PROJECT

NORTH



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Rockland Green

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FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

OVERALL SECOND FLOOR RELFECTED CEILING PLAN

REV	DESCRIPTION	DATE BY CHK
D	ISSUED FOR CONSTRUCTION	08-28-21
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	07-06-21 AS

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	BY	DATE
DRAWN	DEA	07/06/21
CHECKED	ADG	07/06/21
DESIGNED	ADG	07/06/21
APPROVED	ADG	07/06/21
APPROVED		

PROJ. No: 499-010 SCALE: AS SHOWN

DWG. NO: A-209 D

CAD FILE:

SHEET SIZE: D-24x36 REV

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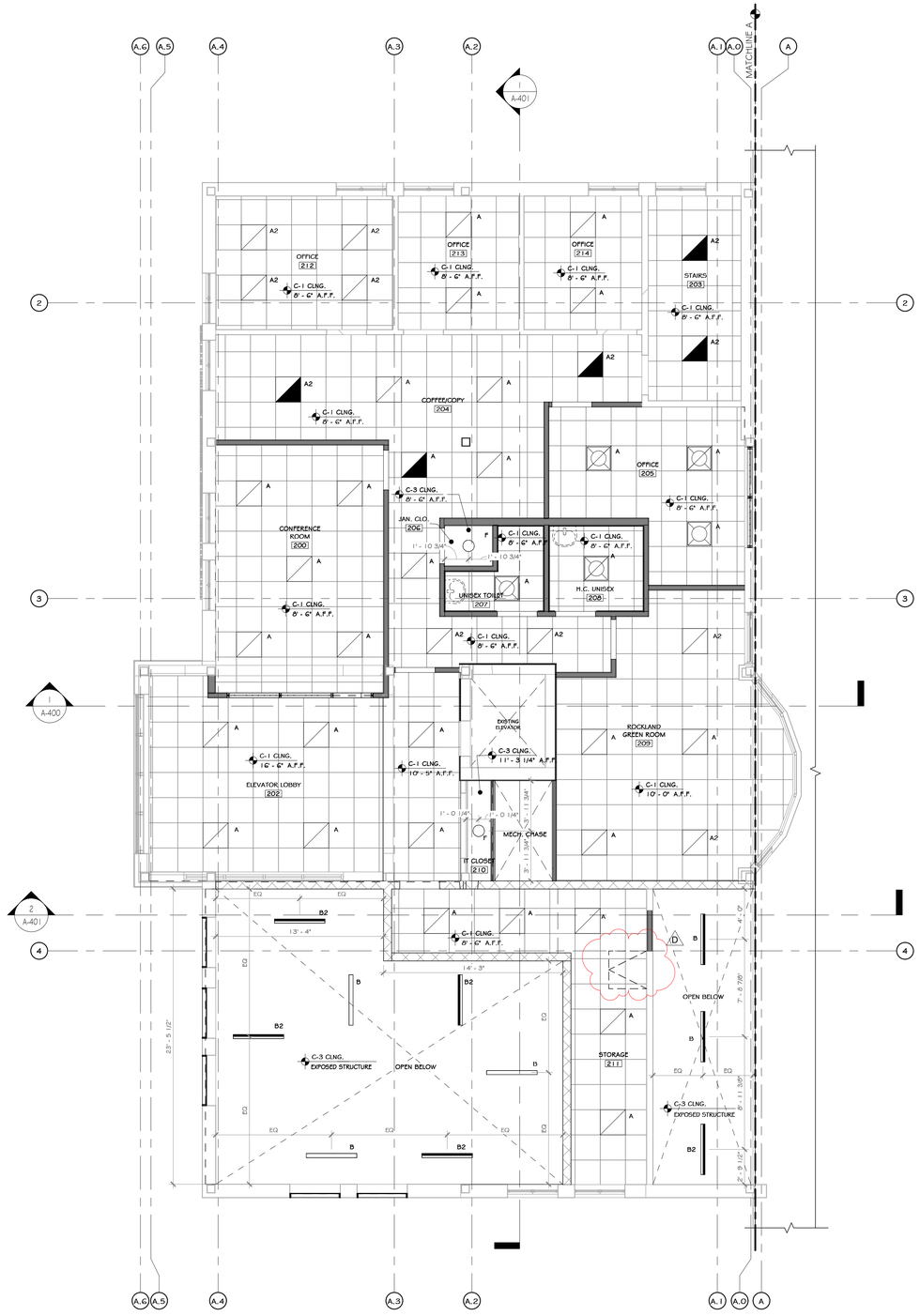


1 SECOND FLOOR REFLECTED CEILING PLAN (AREA 3)
3/16" = 1'-0"

LIGHTING SCHEDULE (1ST FLR)

NOTE: ELECTRICAL DRAWINGS SHALL SUPERSEDE THIS SCHEDULE AND INFORMATION FOUND ON LIGHTING ON THIS SHEET

SYMBOL	LABEL	QUANTITY	ARRANGEMENT	DESCRIPTION	MANUF.	MOUNTING HEIGHT (NO DATA WILL BE IN CEILING)
	A	14	-	2' X 2' FLAT PANEL WITH EMERGENCY BATTERY	COLUMBIA	
	A2	17	-	2' X 2' FLAT PANEL WITH EMERGENCY BATTERY	COLUMBIA	
	B	6	-	4' STRIP LIGHT (30.1 WATTS)	LSI	
	B2	4	-	4' STRIP LIGHT (38.4 WATTS)	LSI	
	C	11	-	4" WIDE SLOT LIGHT LED LINEAR CLG. SURFACE	SEE ELEC. DWGS.	
	D	1	-	12"x48" WIDE SLOT LIGHT LED LINEAR CLG. RECESSED	SEE ELEC. DWGS.	
	E	4	-	WALL PACK (140 WATTS)	HUBBELL	
	G	4	-	4" WIDE SLOT LIGHT LED LINEAR CLG. RECESSED	SEE ELEC. DWGS.	
G D	H	16	-	EMERGENCY LIGHT- REFER TO ELECT. DWGS.	-	
	I	10		WALL LED FLOODLIGHT		

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. EXTERIOR EMERGENCY LIGHT WITH BATTERY BACKUP TO BE PROVIDED AT ALL EGRESS DOORS.
2. SEE ELECT. DWGS. FOR DATA VOICE OUTLET LAYOUT & FULL LIGHTING SPECS.
3. ALL LAMPS TO BE 4000 KELVIN RANGE.
4. ADEQUATE NUMBER OF FIXTURES WITH EMERGENCY BALLASTS TO BE PROVIDED: (1) F.C. IN ALL AREAS. - SEE ELECT. DWGS
5. ALL EXPOSED STRUCTURAL ELEMENTS (METAL DECK, MAINFRAMES, PURLINS, ETC.)) TO BE PRIMED AND PAINTED -SEE FINISH SCHEDULE
6. PROVIDE WALL MOUNTED FIXTURES WITHIN STAIR WELL, WHERE STAIR ABOVE BLOCKS CEILING LIGHTING.

LEGEND

LINE TYPE	DESCRIPTION
— — — — — — — — — — — —	LINE OF BULKHEAD ABOVE

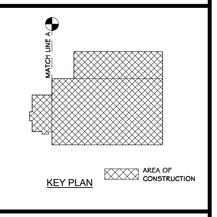
CEILING FINISH SCHEDULE

NOTE: ELECTRICAL DRAWINGS SHALL SUPERSEDE THIS SCHEDULE AND INFORMATION FOUND ON LIGHTING ON THIS SHEET.

MARK	NAME	SYMBOL	COLOR & MATERIAL SPECS	SPECS.	MANUF.	NOTES	AREA
C-1	(09.5105.01) 24"x24" TEGULAR CEILING TILE		24"x24" TEGULAR TILE	ACOUSTICAL PANELS ULTIMA LAY IN #1902	ARMSTRONG		6779 SF
C-2	GYPSUM WALL BOARD		HARMONY INTERIOR PAINT SW7005, "PURE WHITE"	PAINTED	SHERWIN WILLIAMS		285 SF
C-3	EXPOSED CEILING		HARMONY INTERIOR PAINT SW7005, "PURE WHITE"	PAINTED ROOF STRUCTURE	SHERWIN WILLIAMS		127141 SF
C-4	(09.5105.__) 24"x24" TEGULAR CEILING TILE		24"x24" TEGULAR TILE	OPTIMA HEALTH ZONE PB	ARMSTRONG		1184 SF

PROJECT

NORTH



KEY PLAN

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FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

ENLARGE SECOND FLR. OFFICE
REFLECTED CLG. PLAN

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-210	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

REV	DESCRIPTION	BY
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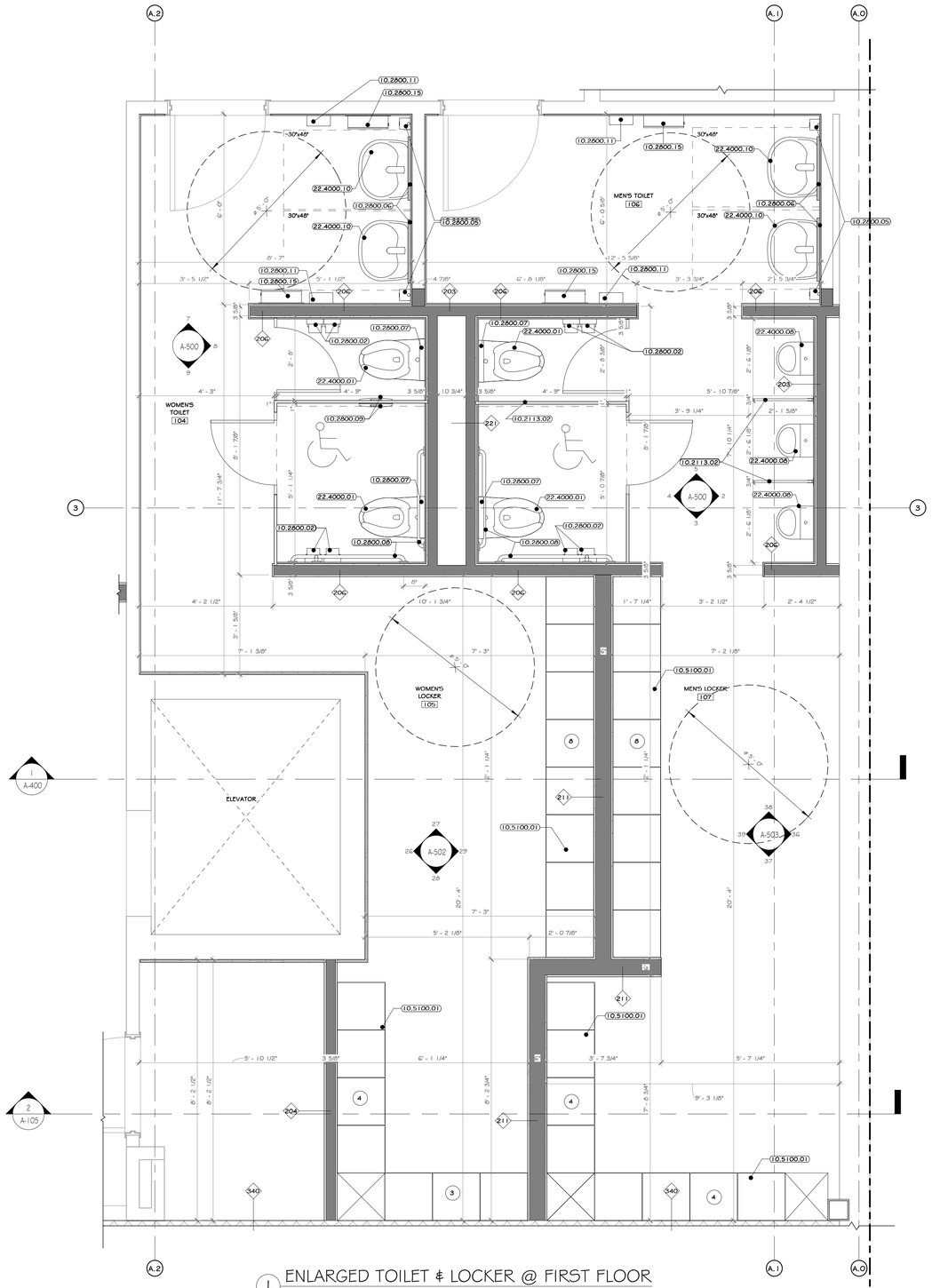
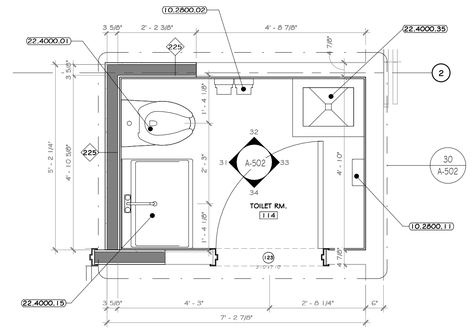
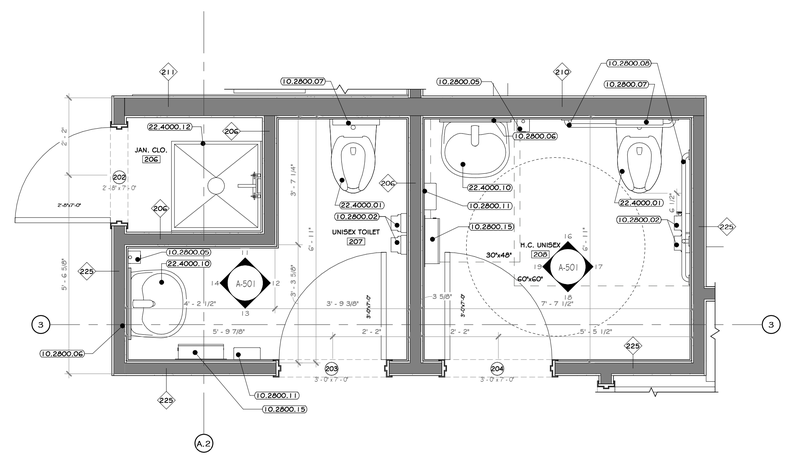


1 ENLARGED TOILET & LOCKER @ FIRST FLOOR
1/2" = 1'-0"



3 ENLARGED TOILET @ FIRST FLOOR
1/2" = 1'-0"



2 ENLARGED TOILET @ SECOND FLOOR
1/2" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. ALL DIMENSIONS ARE TO ROUGH FRAMING.
2. NOTE: NOT ALL CONSTRUCTION NOTES MAY BE SPECIFIC TO THIS DRAWING.
3. NOTE: F.F. ELEVATION 449.5' ON CIVIL DWGS. = F.F. ELEV. 100'-0" ON ARCH. DWGS.
4. F.F. ELEVATIONS:
   a. MAIN FLOOR: 100'-0"
   b. SECOND FLOOR: 112'-3"
5. GENERAL CONTRACTOR TO VERIFY ALL ROUGH OPENING SIZES WITH RESPECTIVE MANUFACTURERS (DOORWINDOWLOUVERSETC.) PRIOR TO ORDERING AND LAYING OUT CONCRETE OPENINGS, STUD FRAMING, ORDERING PEMB, ETC.
6. SEE LIFE SAFETY PLANS FOR LOCATIONS OF FIRE EXTINGUISHERS. GC TO CONSULT WITH LOCAL AHJ, PRIOR TO CO INSPECTION, TO CONFIRM ACCEPTANCE OF LOCATIONS BY FIRE MARSHAL. FIRE EXTINGUISHER CABINETS TO BE PROVIDED AT ALL FINISHED OFFICE SPACES AND WALL HUNG EXPOSED FIRE EXTINGUISHERS AT ALL OTHER LOCATIONS. PROVIDE OPENING AND BLOCKING WITHIN FRAMING FOR WALL CABINETS AND MOUNTING HARDWARE.
7. EXISTING NORTH / EAST/ WESTEXTERIOR CMU TO REMAINUNEXISTING STRUCTURE TO REMAIN EXCEPT WHERE NOTED.
8. EXISTING EXTERIOR FAÇADE IS TO BE POWER WASHED.
9. STRUCTURAL DETAILS AND SPECIFICATIONS OF ANY FRAMING MEMBERS, BRACING, ETC. SUPERSEDE THE ARCHITECTURAL DRAWINGS.
10. PEMB MANUFACTURER: REVIEW ALL A/S/MEP/FP BUILDING DRAWINGS AND NOTE ALL OPENINGS, ROOF MOUNTED EQUIPMENT, SIDE WALL MOUNTED EQUIPMENT / LOUVERS, LIGHT FIXTURE LOCATIONS, SYSTEM EQUIPMENT, ETC.
12. MODULAR FURNITURE, CONFERENCE TABLES, AND RECEPTION DESK SHOWN ON A-900 FURNITURE DRAWINGS.
13. SEE ASOO DRAWINGS FOR INTERIOR ELEVATIONS, DETAILS, DIMENSIONS, AND MOUNTING HEIGHTS OF MILLWORK AND COUNTERS.
14. SEE STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND IT/AV DRAWINGS AND SPECIFICATIONS FOR COORDINATION OF ALL RELATED ITEMS.
15. FIRE ALARM TO BE COORDINATED WITH OWNER AND THEIR EXISTING OFFICE FACILITIES. SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS
16. SEE CIVIL DRAWINGS AND SPECIFICATIONS FOR ALL SITE IMPROVEMENTS AND INCOMING UTILITIES BEYOND 5'-0" OUTSIDE OF THE BUILDING FOOTPRINT
17. MIN. 5' X 5' IMPERVIOUS AREA REQUIRED AT EACH EXIT DOOR. G.C. TO PROVIDE EXTERIOR CONCRETE PADS IF ASPHALT IS NOT PROVIDED FOR ON CIVIL DRAWINGS. SEE STRUCTURAL AND CIVIL DRAWINGS AND SPECIFICATIONS.
18. GC TO PATCHREPAIRREPLACE GYPSUM BOARD IN ALL EXISTING AREAS AS REQUIRED - SEE SPECS

KEY NOTES

10.2113.02	SOLID PHENOLIC TOILET PARTITIONS, FLOOR MOUNT, OVERHEAD BRACED, 6" AFF.
10.2800.01	TOILET PAPER DISPENSER, DOUBLE ROLL, RECESSED.
10.2800.02	TOILET PAPER DISPENSER, DOUBLE ROLL, SURFACE MOUNT.
10.2800.05	LIQUID SOAP DISPENSER, WALL-MOUNTED, SURFACE.
10.2800.06	MIRRORS: STAINLESS STEEL FRAMED, 1/4 INCH THICK GLASS, 24" X 48".
10.2800.07	SEAT COVER DISPENSER, SURFACE-MOUNTED.
10.2800.08	HEAVY DUTY GRAB BARS 1-1/4", PEENED STAINLESS STEEL.
10.2800.09	SANITARY NAPKIN DISPOSAL UNIT; BACK-TO-BACK PARTITION MOUNTING.
10.2800.11	ELECTRIC HAND DRYER, THINAIR HAND DRYER.
10.2800.15	HANDS FREE ROLL TOWEL DISPENCER, SURFACE MOUNT.
10.5100.01	HEAVY DUTY METAL LOCKERS; SINGLE TIER, 72D H X 18" W X 18" DEEP.
22.4000.01	WALL-HUNG TOILET.
22.4000.08	WALL HUNG URINAL.
22.4000.10	LAVATORY, WALL MOUNTED.
22.4000.12	SERVICE BASIN 24" X 24".
22.4000.15	KITCHEN SINK, SINGLE BASIN, TOP MOUNT, ADA 19" X 17" X 6 1/8" S.S.
22.4000.35	SERVICE BASIN, 20" X 24".

WALL LEGEND

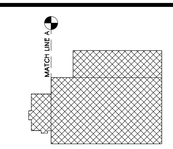
- EXISTING WALL
- DEMOLISH WALL
- MTL. STUD WALL
- CMU WALL

DOOR LEGEND

- 100'S PERSONNEL DOOR TAG @ FIRST FLOOR LEVEL
- 200'S PERSONNEL DOOR TAG @ SECOND FLOOR LEVEL
- 500'S STOREFRONT DOOR TAG @ FIRST FLOOR LEVEL
- 600'S STOREFRONT DOOR TAG @ SECOND FLOOR LEVEL

PROJECT

NORTH



KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

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ENLARGED TOILET PLANS

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-211	.D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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1 OVERALL ROOF PLAN
1/16" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. ROOF PLAN MAY NOT SHOW ALL EXISTING OR NEW ROOF PENETRATIONS AND MECHANICAL EQUIPMENT. – SEE MEP DRAWINGS.
2. ALL ROOF DRAINS ARE TO CONNECT TO UNDERGROUND STORM DRAINAGE SYSTEM – SEE CIVIL DRAWINGS.
3. PROVIDE TAPERED INSULATION AS REQUIRED TO CREATE CRICKETS AND MAINTAIN A MINIMUM OF 1/4: 12 SLOPE 4 TO PITCH TO ROOF DRAINS.
4. ROOF SLOPE TO BE CREATED WITH TAPERED INSULATION ALL ROOF DRAINS ARE TO CONNECT INTO INTERNAL LEADER. SEE PLUMBING DWGS. AND SPECS.
5. CANOPY ROOFS ARE TO PITCH TOWARD BUILDING TO A HIDDEN GUTTER WITH LEADERS THAT CONTINUE DOWN EXTERIOR WALL TO UNDERGROUND STORM DRAINAGE SYSTEM.
6. EXISTING OFFICE ROOF IS TO BE COMPLETELY REMOVED, INCLUDING EXISTING MEMBRANE ROOF AND INSULATION. SEE SPECIFICATIONS FOR NEW MOISTURE BARRIER, INSULATION, PROTECTION BOARDS.
7. GC TO PROVIDE LINE ITEM ADD ALTERNATE TO COMPLETELY RECOAT AND REPAIR THE EXISTING PEMB ROOF INSULATION AND PEMB STANDING SEAM ROOF AS NEEDED.

KEY NOTES

05.5133.02	FIXED ALUMINUM ACCESS LADDER, TUBULAR RAIL, CKREEFE'S MODEL 502; LOW PARAPET ACCESS LADDER WITH ROOF OVER WITH RAIL EXTENSION.
07.5400.10	TPVC ROOF MEMBRANE 45 MIL THICKNESS, FULLY ADHERED
07.7200.01	ROOF HATCH 48" X 48"
07.7200.40	SNOW FENCE FOR STANDING SEAM ROOF, 2 PIPE TYPE
13.3419.110	STANDING SEAM 1-1/2" ROOF PANEL BY PEMB
13.3419.200	10" GUTTER BY PEMB
22.1006.20	ROOF DRAIN LEADER. REFER TO MEP DWGS.

LEGEND

LINE TYPE	DESCRIPTION
	LINE OF UNDERGROUND STORM DRAINAGE, SEE CIVIL DRAWING
	LINE OF BUILDING WALL BELOW

ROOF LEGEND

SYMBOL	TYPE	COLOR & MATERIALS	SPECIFICATIONS	MANUFACTURER
	TPVC ROOF MEMBRANE	SEE SPECS.	SEE SPECS.	-
	EXISTING ROOF	SEE SPECS.	SEE SPECS.	-

PROJECT

PROJECT

N O R T H

MATCH LINE A

KEY PLAN

AREA OF CONSTRUCTION

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CONTACT@ADGARCHITECT.COM

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NY COA # 0017967

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MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

OVERALL ROOF PLAN

REV	DESCRIPTION	DATE BY CHK
D	ISSUED FOR CONSTRUCTION	02-28-22
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	07-06-21

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

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	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-212	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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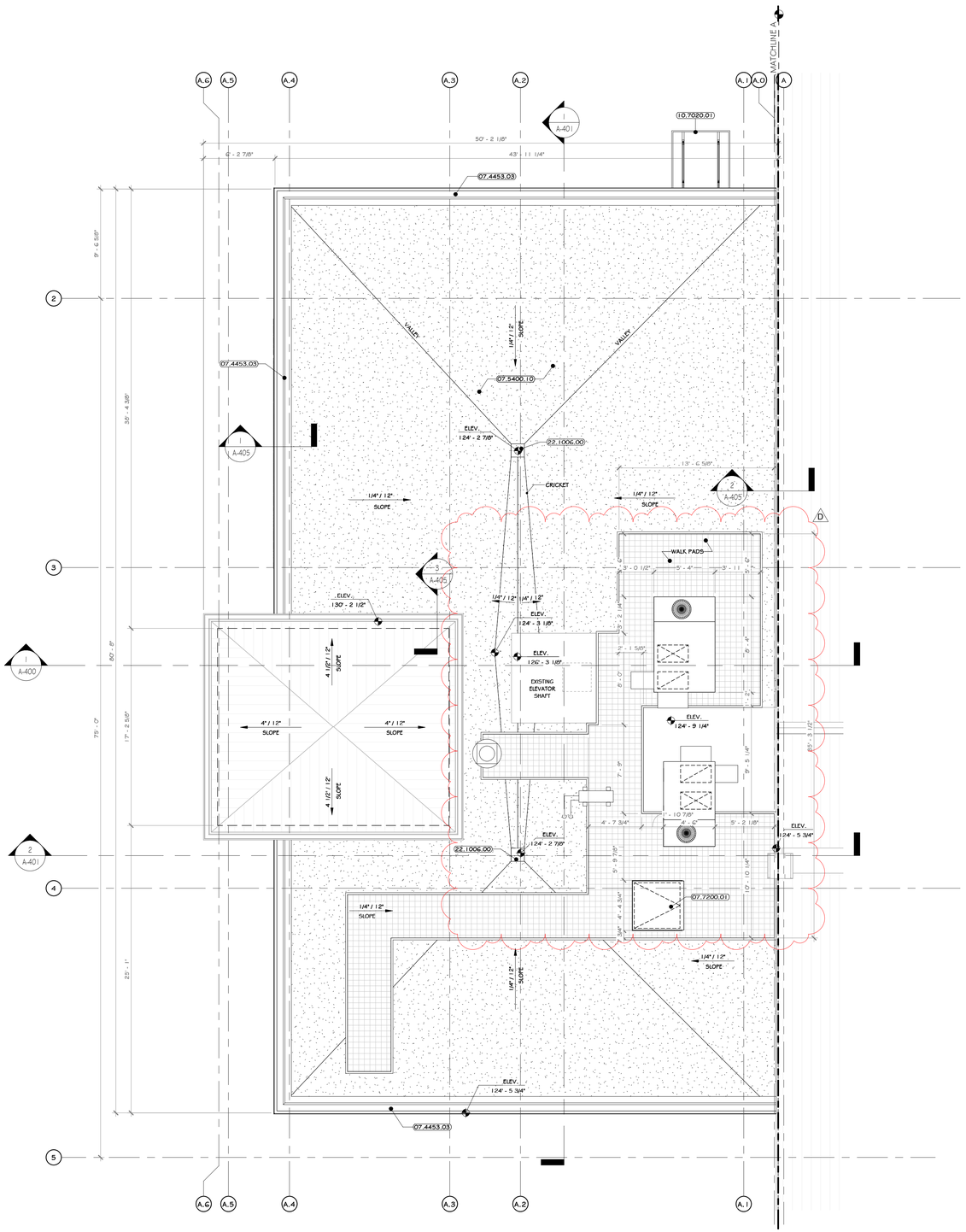


1 OFFICE ROOF PLAN
3/16" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. ROOF PLAN MAY NOT SHOW ALL EXISTING OR NEW ROOF PENETRATIONS AND MECHANICAL EQUIPMENT. – SEE MEP DRAWINGS.
2. ALL ROOF DRAINS ARE TO CONNECT TO UNDERGROUND STORM DRAINAGE SYSTEM – SEE CIVIL DRAWINGS.
3. PROVIDE TAPERED INSULATION AS REQUIRED TO CREATE CRICKETS AND MAINTAIN A MINIMUM OF 1/4: 12 SLOPE & TO PITCH TO ROOF DRAINS.
4. ROOF SLOPE TO BE CREATED WITH TAPERED INSULATION ALL ROOF DRAINS ARE TO CONNECT INTO INTERNAL LEADER. SEE PLUMBING DWGS. AND SPECS.
5. CANOPY ROOFS ARE TO PITCH TOWARD BUILDING TO A HIDDEN GUTTER WITH LEADERS THAT CONTINUE DOWN EXTERIOR WALL TO UNDERGROUND STORM DRAINAGE SYSTEM.
6. EXISTING OFFICE ROOF IS TO BE COMPLETELY REMOVED, INCLUDING EXISTING MEMBRANE ROOF AND INSULATION. SEE SPECIFICATIONS FOR NEW MOISTURE BARRIER, INSULATION, PROTECTION BOARDS.
7. GC TO PROVIDE LINE ITEM ADD ALTERNATE TO COMPLETELY REMOVE AND REPLACE EXISTING PEMB ROOF INSULATION AND PEMB STANDING SEAM ROOF.

KEY NOTES

07.4453.03	ALUMINUM FLASHINGS, COPINGS, AND TRIMS.
07.5400.10	TPVC ROOF MEMBRANE 45 MIL THICKNESS, FULLY ADHERED
07.7200.01	ROOF HATCH 48" X 48"
10.7020.01	ARCHITECTURAL CANOPY, INTERNAL GUTTER AND DRAIN: EXTRUDECK.
22.1006.00	ROOF DRAIN.

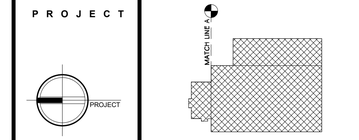
LEGEND

LINE TYPE	DESCRIPTION
	LINE OF UNDERGROUND STORM DRAINAGE, SEE CIVIL DRAWING
	LINE OF BUILDING WALL BELOW

ROOF LEGEND

SYMBOL	TYPE	COLOR & MATERIALS	SPECIFICATIONS	MANUFACTURER
	TPVC ROOF MEMBRANE	SEE SPECS.	SEE SPECS.	-
	EXISTING ROOF	SEE SPECS.	SEE SPECS.	-

PROJECT



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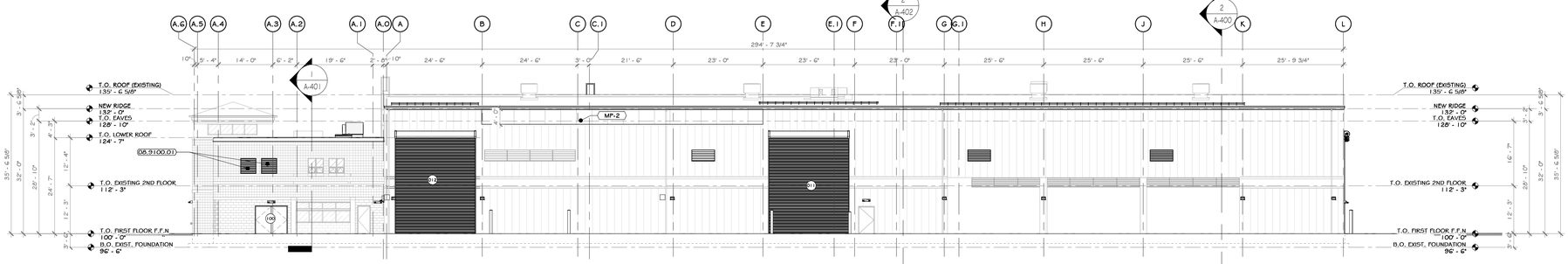
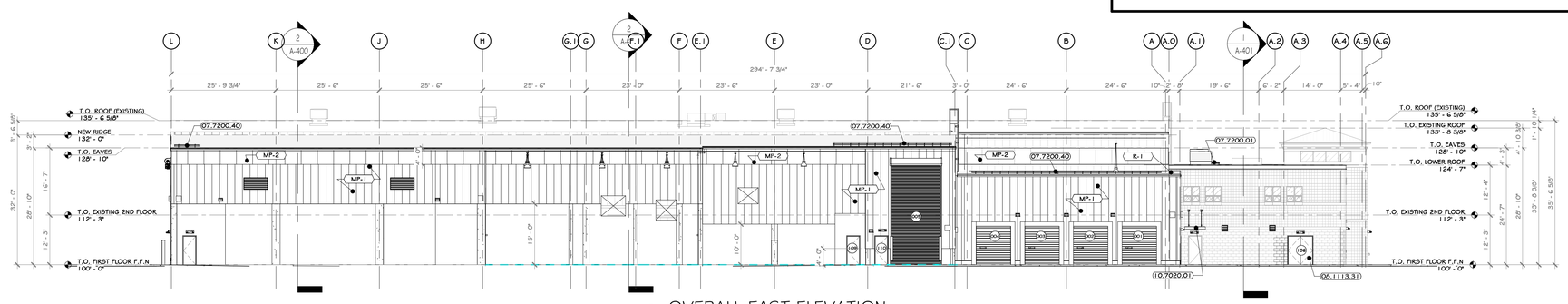
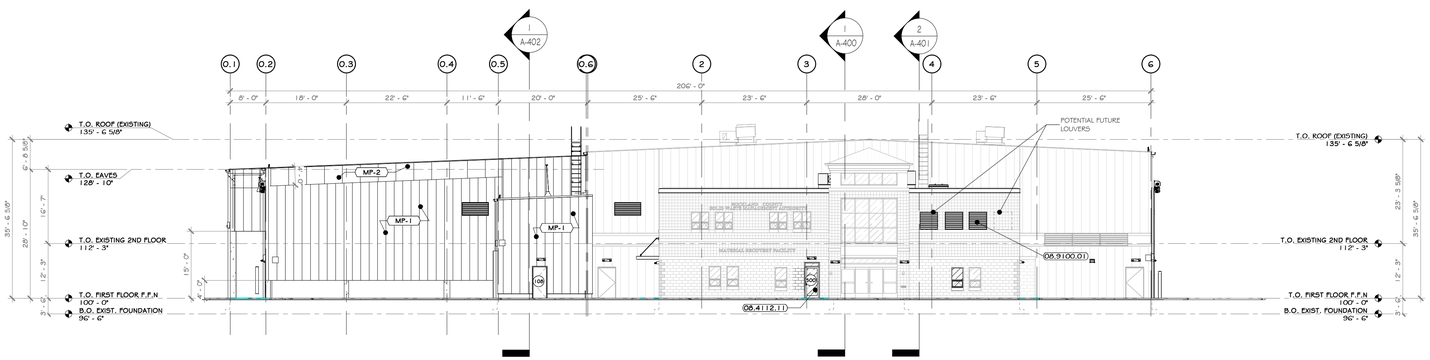


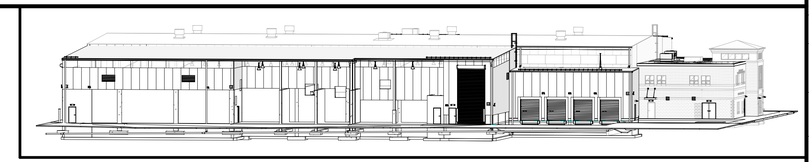
1 OVERALL WEST ELEVATION
1/16" = 1'-0"

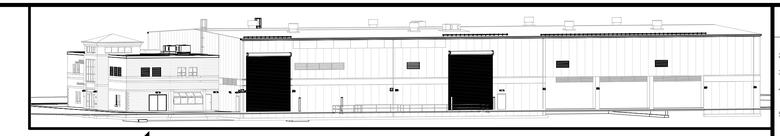


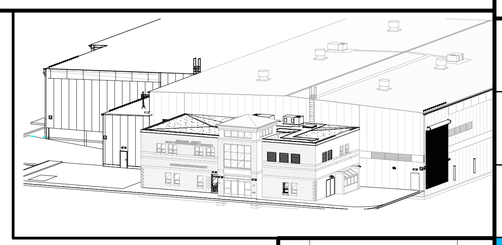
2 OVERALL EAST ELEVATION
1/16" = 1'-0"



3 OVERALL NORTH ELEVATION
1/16" = 1'-0"







CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. NOTE: NOT ALL NOTES MAY APPLY.
2. SNOW GUARDS ARE TO BE PROVIDED AT ALL ROOF EAVES OVER EXTERIOR DOORS, EXTEND MINIMUM OF 36" EACH SIDE OF DOOR. SEE SPECS AND ROOF PLAN.
3. EMERGENCY BACKUP LIGHT IS TO BE PROVIDED AT EACH EXIT DOOR -SEE ELECTRICAL DRAWINGS & SPECS.
4. ILLUMINATED SIGNS ATTACHED TO BUILDING ARE TO BE PROVIDED AND INSTALLED BY AN OWNER APPROVED VENDOR, HIRED BY G.C. VENDOR TO SUBMIT APPLICATION TO CITY FOR APPROVAL. G.C. TO PROVIDE BLOCKING FOR MOUNTING.
5. G.C. AND EC RESPONSIBLE FOR COORDINATING JUNCTION BOX, POWER, BLOCKING PRIOR TO INSTALLATION OF INTERIOR OR EXTERIOR SHEATHING AT ALL SIGNAGE, EXTERIOR BUILDING LIGHTING, CAMERAS, OUTLETS, ETC. GC AND EC TO SUBMIT ONE COMPREHENSIVE COORDINATION DRAWING WITH LOCATIONS AND MOUNTING HEIGHTS SHOWN FOR EACH ITEM.
6. MIN. 5x5 IMPERVIOUS AREA REQUIRED AT EACH EXIT DOOR. G.C. TO PROVIDE EXTERIOR CONCRETE PADS IF ASPHALT IS NOT PROVIDED FOR ON CIVIL DRAWINGS. SEE STRUCTURAL AND CIVIL DRAWINGS AND SPECIFICATIONS.
7. PEMB MANUFACTURER: REVIEW ALL M/S/MEP/FP BUILDING DRAWINGS ANG NOTE ALL OPENINGS, ROOF MOUNTED EQUIPMENT, SIDE WALL MOUNTED EQUIPMENT / LOUVERS, LIGHT FIXTURE LOCATIONS, SYSTEM EQUIPMENT, ETC.
8. EXISTING NORTH / EAST / WEST EXTERIOR CMU TO REMAIN UON, EXISTING STRUCTURE TO REMAIN EXCEPT WHERE NOTED.
9. EXISTING EXTERIOR FACADE IS TO BE POWER WASHED.
10. THE GLAZING WITHIN CLERESTORY IS TO BE REPLACED WITH SPANDREL GLASS.

KEY NOTES

07.7200.01	ROOF HATCH 48" X 48"
07.7200.40	SNOW FENCE FOR STANDING SEAM ROOF, 2 PIPE TYPE
08.1113.31	WELDED EXTERIOR HM DOOR.
08.4112.11	ALUMINUM FRAMED DOOR, MEDIUM STILE
08.9100.01	AUTOMATED INTERLOCKING ALUMINUM LOUVER
10.7020.01	ARCHITECTURAL CANOPY, INTERNAL GUTTER AND DRAIN: EXTRUDECK.

LEGEND

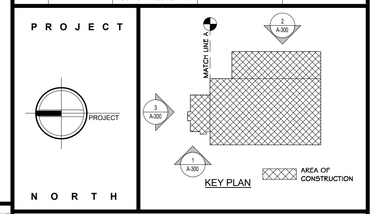
LINE TYPE	DESCRIPTION
— — — — —	LINE OF FOUNDATION OUTLINE-SEE STRUCTURAL DRAWING & SPECIFICATIONS
– – – – – – – –	LINE OF GRADE IN FOREGROUND

EXTERIOR FINISH SCHEDULE

MARK	MATERIAL NAME	MATERIAL SPECIFICATION	COLOR	MANUFACTURER /SUPPLIER	IMAGE
14	Kawneer - Anodize_Clear(Class I)-14	Anodize Architectural Class Class I - Clear(Class I)-14	SatinRender ing appearance not upgraded	Kawneer	
GP-2	GLASS, SPANDREL	SPANDREL GLASS PANEL	TO MATCH GLAZING	-	
MP-1	(13.3419.120) STANDARD RIBBED SIDING PANEL BY PEMB	13.3419.120 STANDARD RIBBED SIDING PANEL BY PEMB		-SEE SPECS.	
MP-2	(06.6101.01) TRANSLUCENT PANEL	TRANSLUCENT PANEL			
R-1	(13.3419.110) STANDING SEAM 1-1/2" ROOF PANEL BY PEMB	STANDING SEAM 1-1/2" ROOF PANEL BY PEMB			

EXTERIOR PAINTED SURFACES

SYMBOL	SURFACE	1ST COAT	2ND COAT	3RD COAT
PS-1	FERROUS & GALVANIZED METAL	MATERIAL: SHER-CRYL HIGH PERFORMANCE UNIVERSAL PRIMER (B66-310)	MATERIAL: SHER-CRYL HIGH PERFORMANCE ACRYLIC GLOSS (B66-300)	MATERIAL: SHER-CRYL HIGH PERFORMANCE ACRYLIC GLOSS (B66-300)
PS-2	ASPHALT PAVING	MATERIAL: SETFAST ACRYLIC WATERBOURNE TRAFFIC MARKING PAINT	-	-



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OVERALL WEST, EAST & NORTH ELEVATIONS

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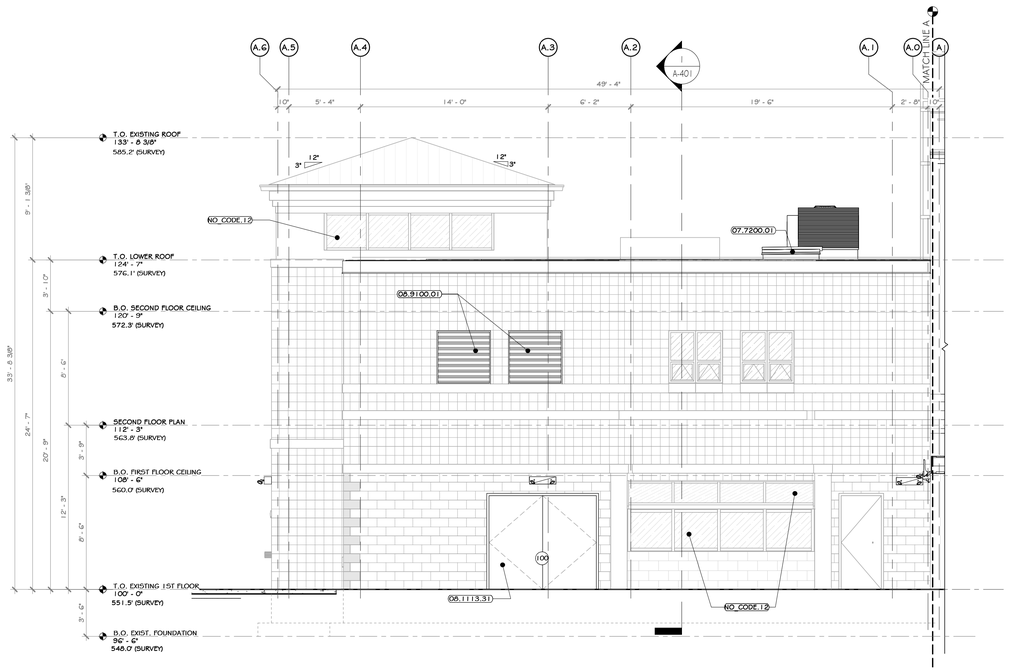
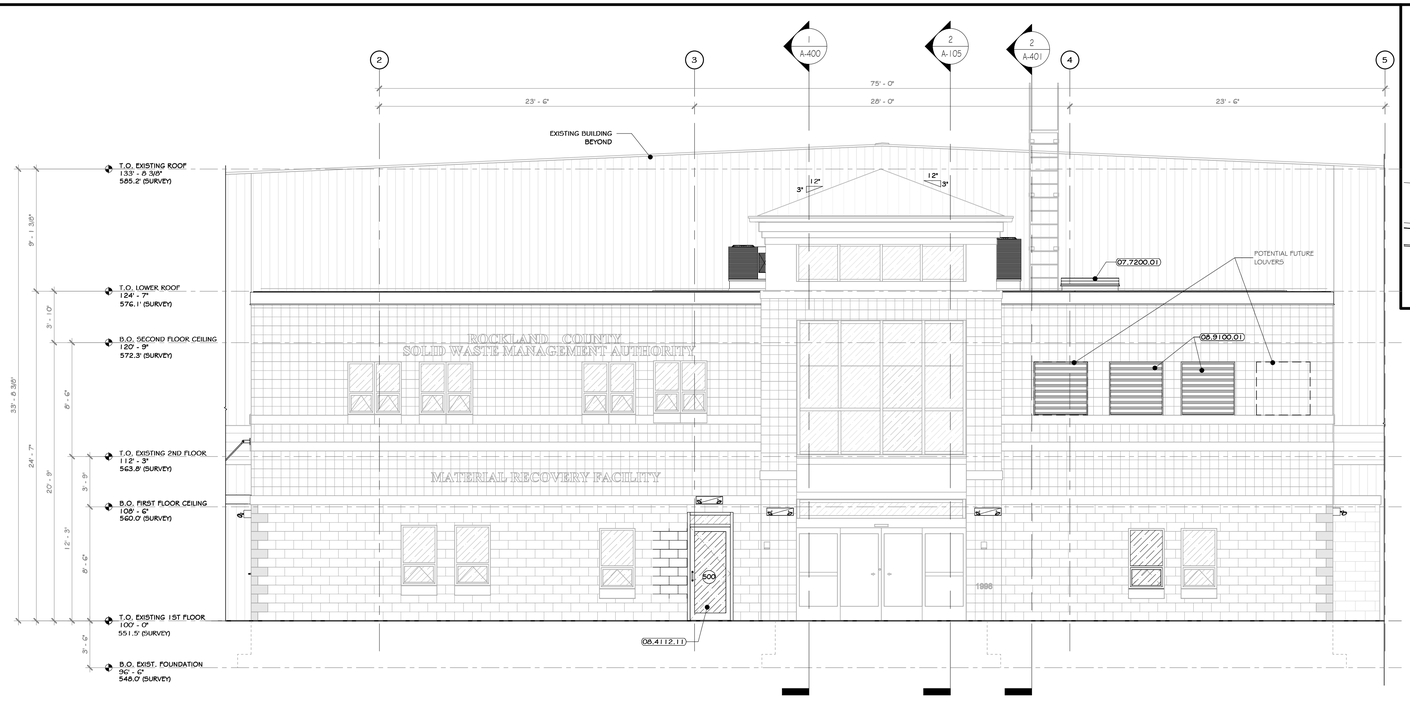


1 AREA 3 OFFICE WEST ELEVATION
3/16" = 1'-0"



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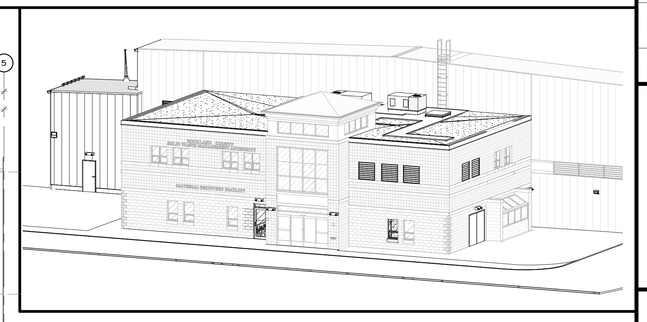

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08.9100.01	AUTOMATED INTERLOCKING ALUMINUM LOUVER
NO_CODE.12	REMOVED AND REPLACED GLAZING WITH SPANDREL GLASS.

LEGEND

LINE TYPE	DESCRIPTION
— — — — —	LINE OF FOUNDATION OUTLINE-SEE STRUCTURAL DRAWING & SPECIFICATIONS
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MP-2	(06.6101.01) TRANSLUCENT PANEL	TRANSLUCENT PANEL			
R-1	(13.3419.110) STANDING SEAM 1-1/2" ROOF PANEL BY PEMB	STANDING SEAM 1-1/2" ROOF PANEL BY PEMB			

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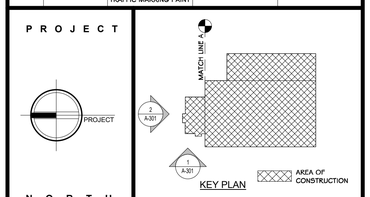
PROJECT



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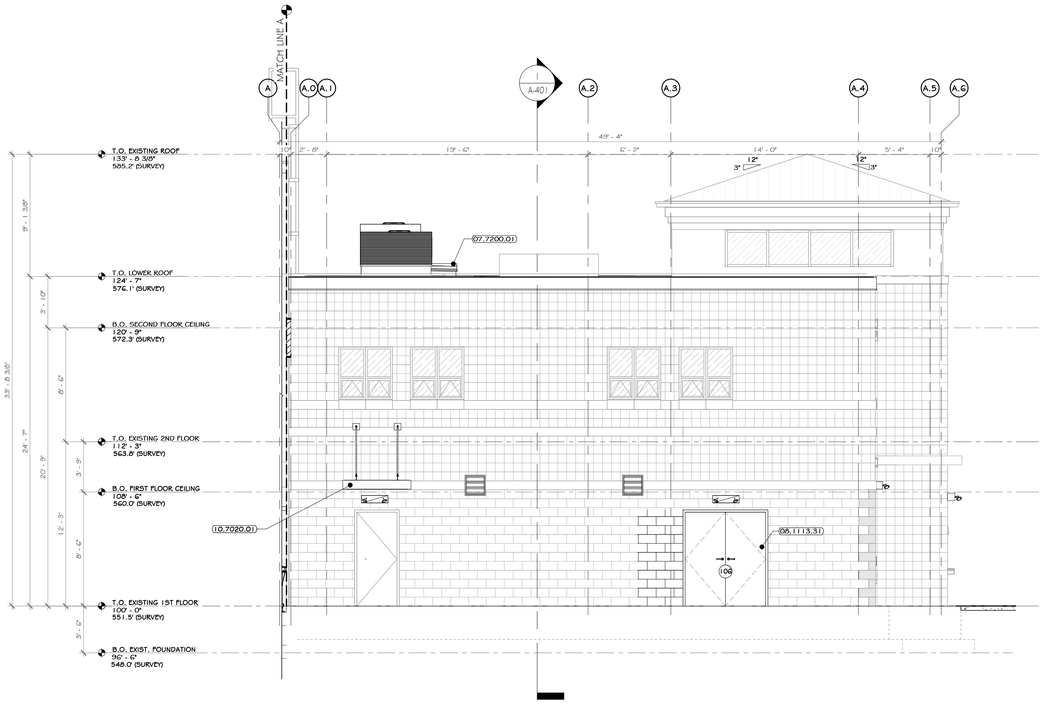
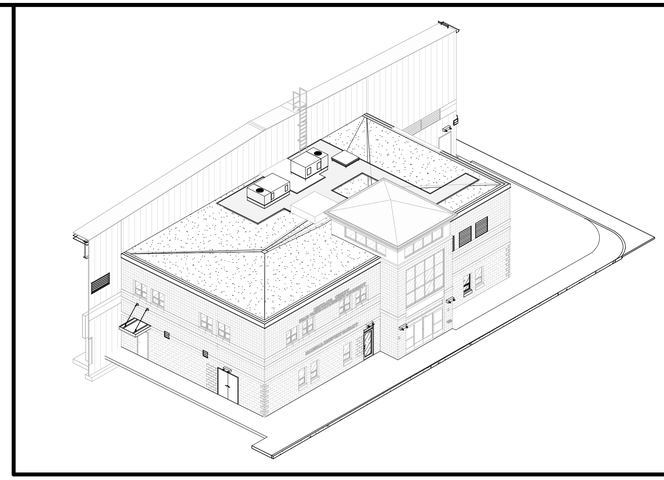
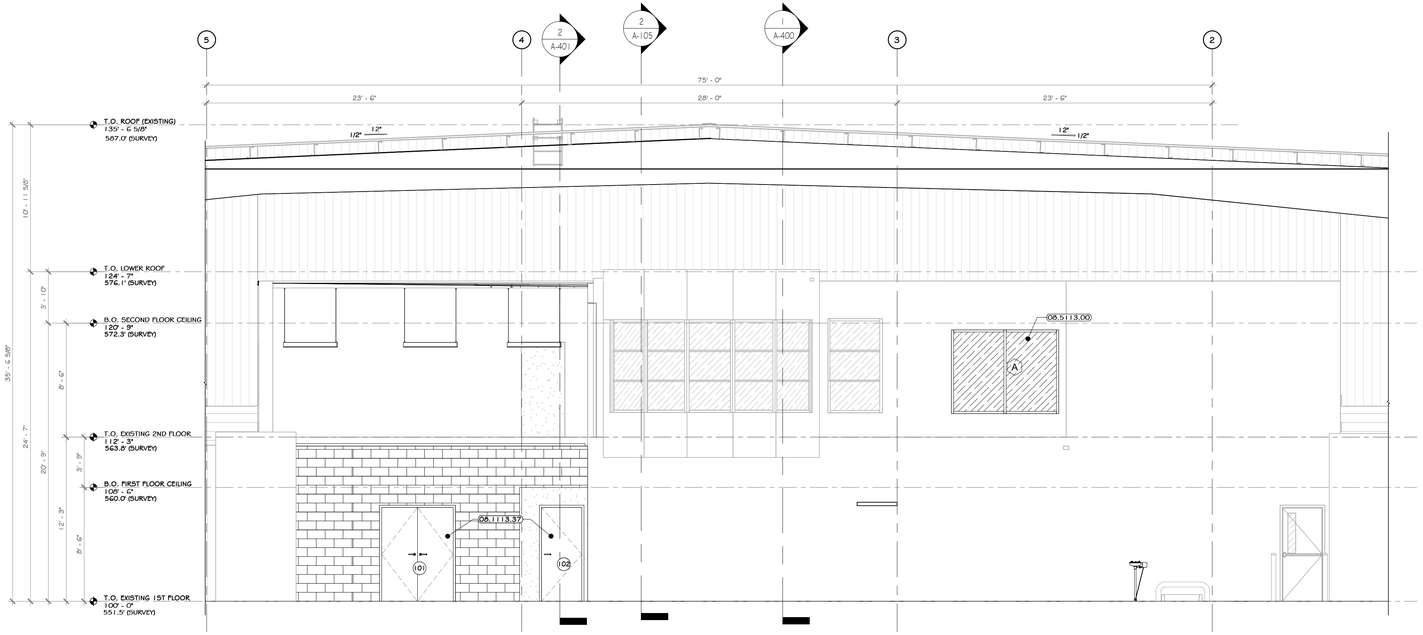


1 AREA 3 OFFICE EAST ELEVATION
3/16" = 1'-0"





2 INTERIOR AREA 3 OFFICE SOUTH ELEVATION
3/16" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. NOTE: NOT ALL NOTES MAY APPLY.
2. SNOW GUARDS ARE TO BE PROVIDED AT ALL ROOF EAVES OVER EXTERIOR DOORS, EXTEND MINIMUM OF 36" EACH SIDE OF DOOR. SEE SPECS AND ROOF PLAN.
3. EMERGENCY BACKUP LIGHT IS TO BE PROVIDED AT EACH EXIT DOOR -SEE ELECTRICAL DRAWINGS & SPECS.
4. ILLUMINATED SIGNS ATTACHED TO BUILDING ARE TO BE PROVIDED AND INSTALLED BY AN OWNER APPROVED VENDOR, HIRED BY G.C. VENDOR TO SUBMIT APPLICATION TO CITY FOR APPROVAL. G.C. TO PROVIDE BLOCKING FOR MOUNTING.
5. G.C. AND EC RESPONSIBLE FOR COORDINATING JUNCTION BOX, POWER, BLOCKING PRIOR TO INSTALLATION OF INTERIOR OR EXTERIOR SHEATHING AT ALL SIGNAGE, EXTERIOR BUILDING LIGHTING, CAMERAS, OUTLETS, ETC. GC AND EC TO SUBMIT ONE COMPREHENSIVE COORDINATION DRAWING WITH LOCATIONS AND MOUNTING HEIGHTS SHOWN FOR EACH ITEM.
6. MIN. 5x5 IMPERVIOUS AREA REQUIRED AT EACH EXIT DOOR. G.C. TO PROVIDE EXTERIOR CONCRETE PADS IF ASPHALT IS NOT PROVIDED FOR ON CIVIL DRAWINGS. SEE STRUCTURAL AND CIVIL DRAWINGS AND SPECIFICATIONS.
7. PEMB MANUFACTURER: REVIEW ALL M/S/MEP/FP BUILDING DRAWINGS ANG NOTE ALL OPENINGS, ROOF MOUNTED EQUIPMENT, SIDE WALL MOUNTED EQUIPMENT / LOUVERS, LIGHT FIXTURE LOCATIONS, SYSTEM EQUIPMENT, ETC.
8. EXISTING NORTH / EAST / WEST EXTERIOR CMU TO REMAIN UON, EXISTING STRUCTURE TO REMAIN EXCEPT WHERE NOTED.
9. EXISTING EXTERIOR FACADE IS TO BE POWER WASHED.
10. THE GLAZING WITHIN CLERESTORY IS TO BE REPLACED WITH SPANDREL GLASS.

KEY NOTES

07.7200.01	ROOF HATCH 48" X 48"
08.1113.31	WELDED EXTERIOR HM DOOR.
08.1113.37	WELDED INTERIOR FIRE RATED HM.
08.5113.00	FIXED ALUMINUM WINDOW, KAWNEER SERIES 8400TL, MODEL 8410TL.
10.7020.01	ARCHITECTURAL CANOPY, INTERNAL GUTTER AND DRAIN: EXTRUDECK.

LEGEND

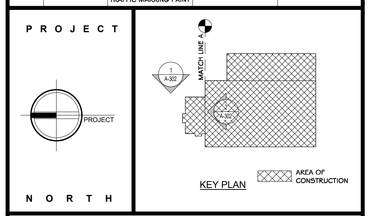
LINE TYPE	DESCRIPTION
— — — — —	LINE OF FOUNDATION OUTLINE-SEE STRUCTURAL DRAWING & SPECIFICATIONS
– – – – – – – –	LINE OF GRADE IN FOREGROUND

EXTERIOR FINISH SCHEDULE

MARK	MATERIAL NAME	MATERIAL SPECIFICATION	COLOR	MANUFACTURER /SUPPLIER	IMAGE
14	Kawneer - Anodize_Clear(Class I)-14	Anodize Architectural Class Class I - Clear(Class I)-14	SatinRendering appearance not upgraded	Kawneer	
GP-2	GLASS, SPANDREL	SPANDREL GLASS PANEL	TO MATCH GLAZING	-	
MP-1	(13.3419.120) STANDARD RIBBED SIDING PANEL BY PEMB	13.3419.120 STANDARD RIBBED SIDING PANEL BY PEMB		-SEE SPECS.	
MP-2	(06.6101.01) TRANSLUCENT PANEL	TRANSLUCENT PANEL			
R-1	(13.3419.110) STANDING SEAM 1-1/2" ROOF PANEL BY PEMB	STANDING SEAM 1-1/2" ROOF PANEL BY PEMB			

EXTERIOR PAINTED SURFACES

SYMBOL	SURFACE	1ST COAT	2ND COAT	3RD COAT
FS-1	FERROUS & GALVANIZED METAL	MATERIAL: SHER-CRYL HIGH PERFORMANCE UNIVERSAL PRIMER (B66-310)	MATERIAL: SHER-CRYL HIGH PERFORMANCE ACRYLIC GLOSS (B66-300)	MATERIAL: SHER-CRYL HIGH PERFORMANCE ACRYLIC GLOSS (B66-300)
PS-2	ASPHALT PAVING	MATERIAL: SETFAST ACRYLIC WATERBOURNE TRAFFIC MARKING PAINT	-	-



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FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

ENLARGED SOUTH & EAST EXTERIOR OFFICE ELEVATIONS

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-302	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

REV	DESCRIPTION	DRAWN BY	CHK'D BY	DATE
D	ISSUED FOR CONSTRUCTION			09-28-21
C	ISSUED FOR CONTRACT			08-27-21
B	REVISED FOR RFP ADDENDUM 6			07-23-21
A	ISSUED FOR RFP			07-06-21

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

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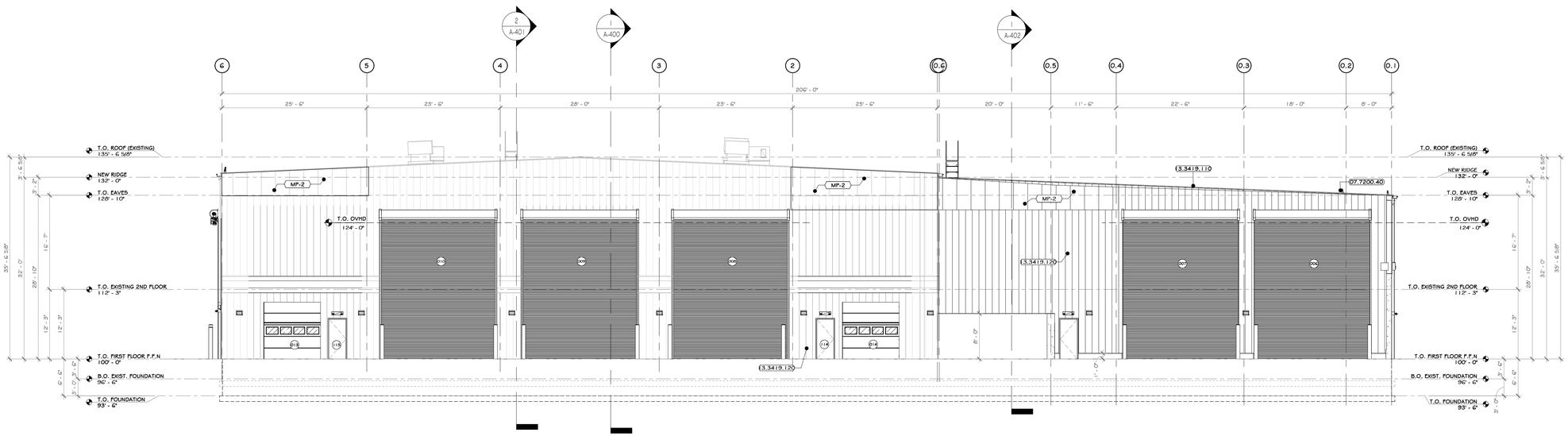

1 AREA 2 SOUTH ELEVATION
1" = 10'-0"

CONSTRUCTION NOTES

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7. PEMB MANUFACTURER: REVIEW ALL A/S/M/E/P/F BUILDING DRAWINGS ANG NOTE ALL OPENINGS, ROOF MOUNTED EQUIPMENT, SIDE WALL MOUNTED EQUIPMENT / LOUVERS, LIGHT FIXTURE LOCATIONS, SYSTEM EQUIPMENT, ETC.
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9. EXISTING EXTERIOR FACADE IS TO BE POWER WASHED.
10. THE GLAZING WITHIN CLERESTORY IS TO BE REPLACED WITH SPANDREL GLASS.
11. EXISTING PEMB PANELS ARE TO BE REPAIRED/REPLACED WERE REQUIRED.

KEY NOTES

07.7200.40	SNOW FENCE FOR STANDING SEAM ROOF, 2 PIPE TYPE
13.3419.110	STANDING SEAM 1-1/2" ROOF PANEL BY PEMB
13.3419.120	STANDARD RIBBED SIDING PANEL BY PEMB

LEGEND

LINE TYPE	DESCRIPTION
— — — — —	LINE OF FOUNDATION OUTLINE-SEE STRUCTURAL DRAWING & SPECIFICATIONS
– – – – – – – –	LINE OF GRADE IN FOREGROUND

EXTERIOR FINISH SCHEDULE

MARK	MATERIAL NAME	MATERIAL SPECIFICATION	COLOR	MANUFACTURER /SUPPLIER	IMAGE
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MP-2	(06.6101.01) TRANSLUCENT PANEL	TRANSLUCENT PANEL			
R-1	(13.3419.110) STANDING SEAM 1-1/2" ROOF PANEL BY PEMB	STANDING SEAM 1-1/2" ROOF PANEL BY PEMB			

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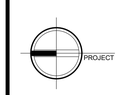
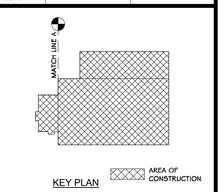
PS-2	ASPHALT PAVING	MATERIAL: SETFAST ACRYLIC WATERBOURNE TRAFFIC MARKING PAINT	-	-

PROJECT



NORTH



KEY PLAN

AREA OF CONSTRUCTION

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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

INDUSTRIAL EAST ELEVATION

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-303	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION		09-28-21
C	ISSUED FOR CONTRACT		08-27-21
B	REVISED FOR RFP ADDENDUM 6		07-23-21
A	ISSUED FOR RFP		07-06-21

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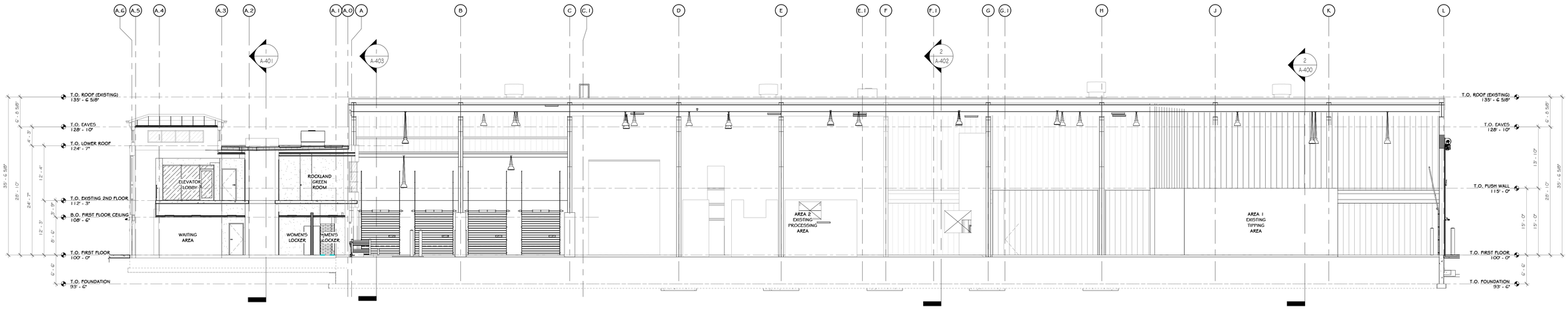
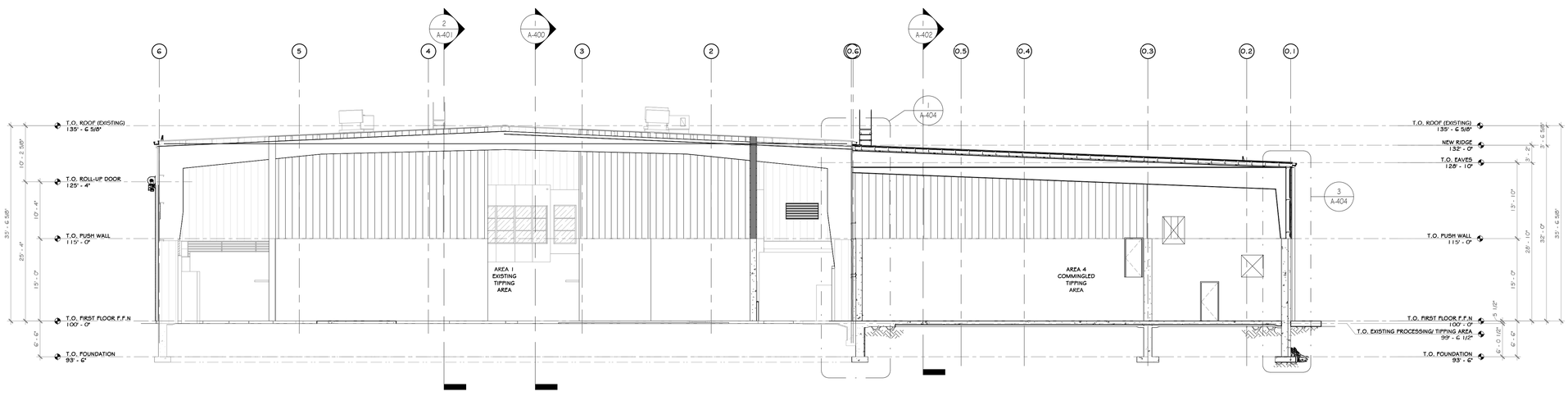


1 OVERALL LONGITUDINAL SECTION
3/32" = 1'-0"



2 OVERALL CROSS SECTIONS
3/32" = 1'-0"

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REV	DESCRIPTION	DATE BY CHK
D	ISSUED FOR CONSTRUCTION	09-28-21
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	07-06-21

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Rockland Green

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OVERALL BUILDING SECTIONS

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-400	D
DESIGNED	ADG	07/06/21	CAD FILE:	
APPROVED	ADG	07/06/21	SHEET SIZE: D-24x36	REV
APPROVED				

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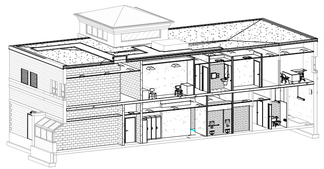
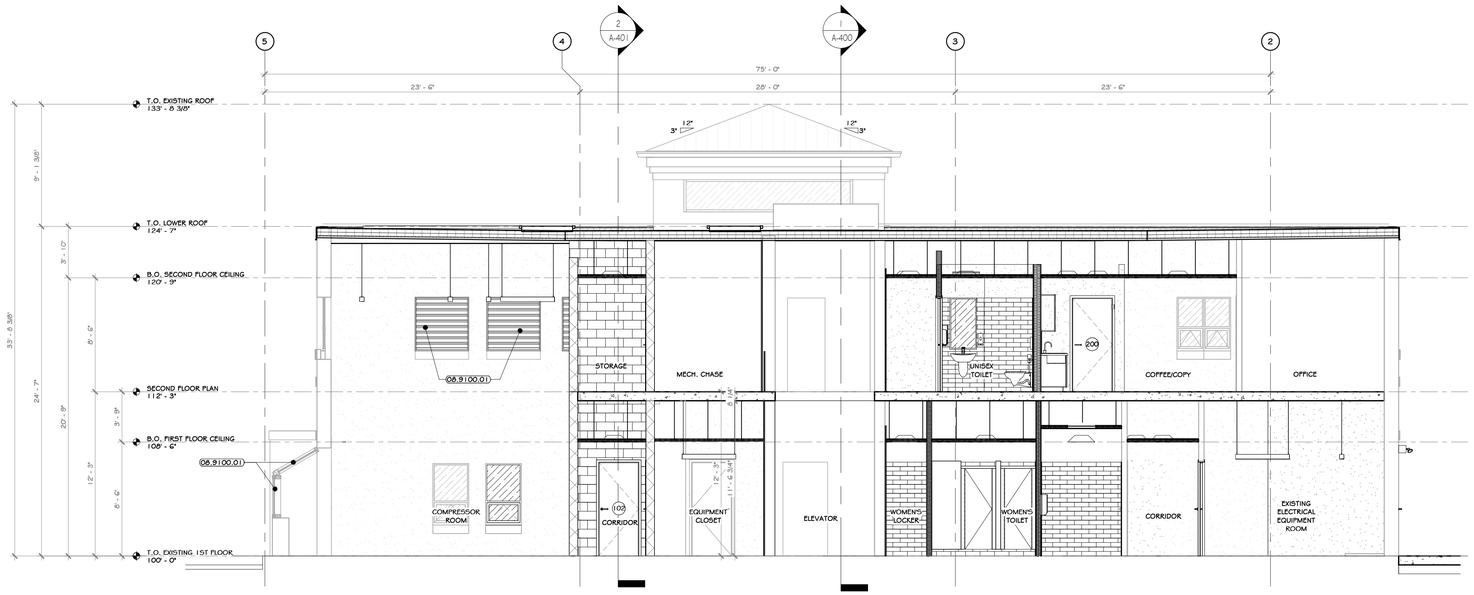
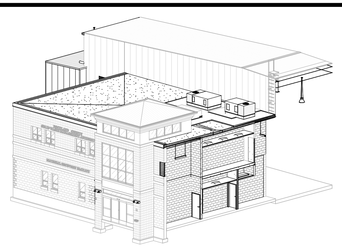
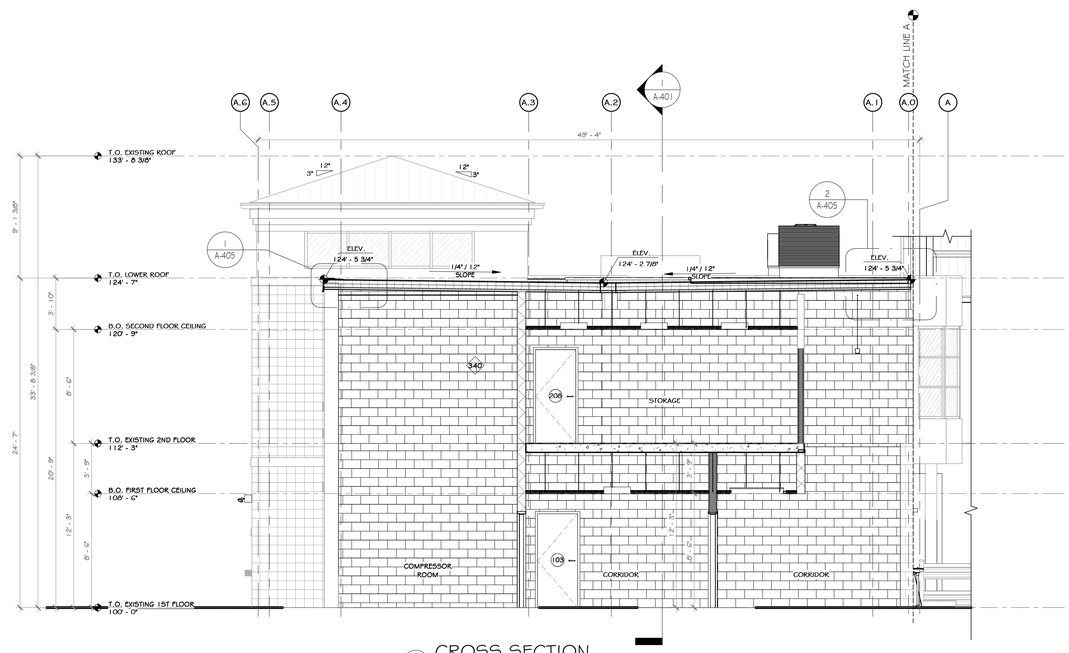




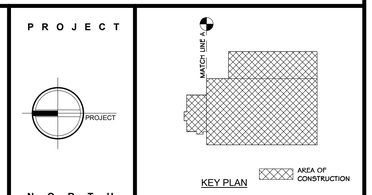
1 LONGITUDINAL SECTION
3/16" = 1'-0"





2 CROSS SECTION
3/16" = 1'-0"

PROJECT



KEY PLAN

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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

OFFICE BUILDING SECTIONS

REV	DESCRIPTION	DATE BY CHK
D	ISSUED FOR CONSTRUCTION	09-28-21
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	07-06-21 ID AS

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	BY	DATE
DRAWN	IDEA	07/06/21
CHECKED	ADG	07/06/21
DESIGNED	ADG	07/06/21
APPROVED	ADG	07/06/21
APPROVED		

PROJ. No: 499-010 | SCALE: AS SHOWN
DWG. NO: A-401 | D
CAD FILE:
SHEET SIZE: D-24x36 | REV

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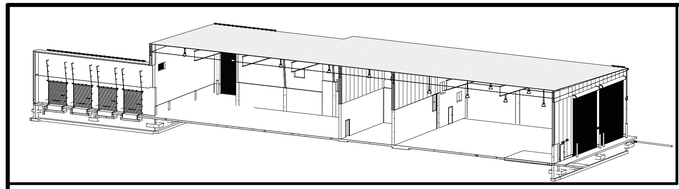
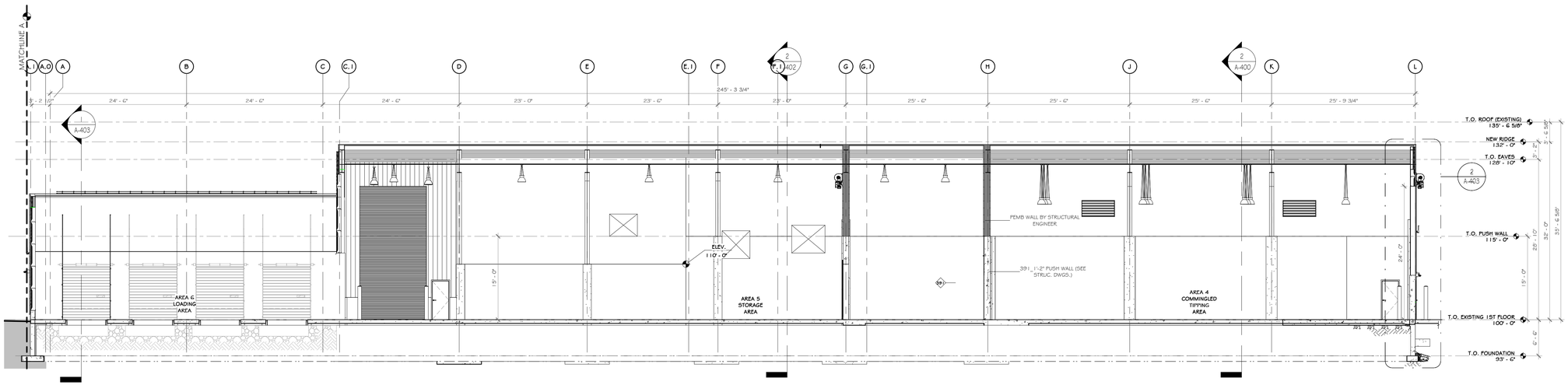
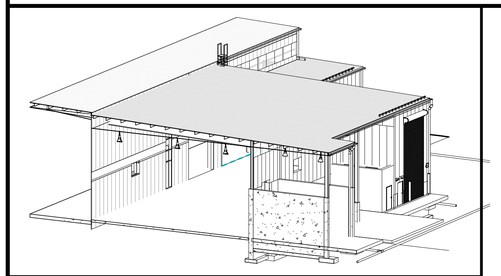
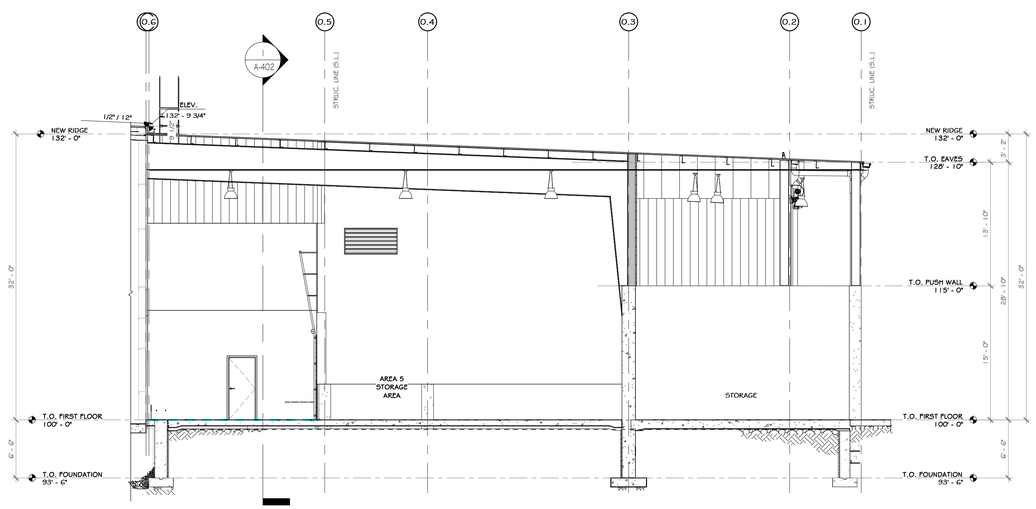




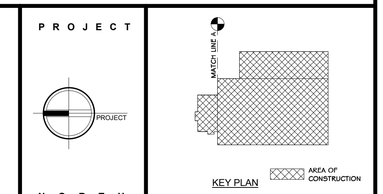
1 NEW ADDITION BUILDING LONGITUDINAL SECTION
1" = 10'-0"





2 CROSS SECTION @ STORAGE AREA
1/8" = 1'-0"

PROJECT



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NEW ADDITION BUILDING SECTIONS

REV	DESCRIPTION	DATE BY CHK
D	ISSUED FOR CONSTRUCTION	09-28-21
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	07-06-21

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

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1 Huntington Quadrangle, 3S01
Melville, N.Y. 11747
ph: 631-756-1060
fax: 631-756-1064

	BY	DATE
DRAWN	IDEA	07/06/21
CHECKED	ADG	07/06/21
DESIGNED	ADG	07/06/21
APPROVED	ADG	07/06/21
APPROVED		

PROJ. No: 499-010 SCALE: AS SHOWN
DWG. NO: A-402 D
CAD FILE:
SHEET SIZE: D-24x36 REV

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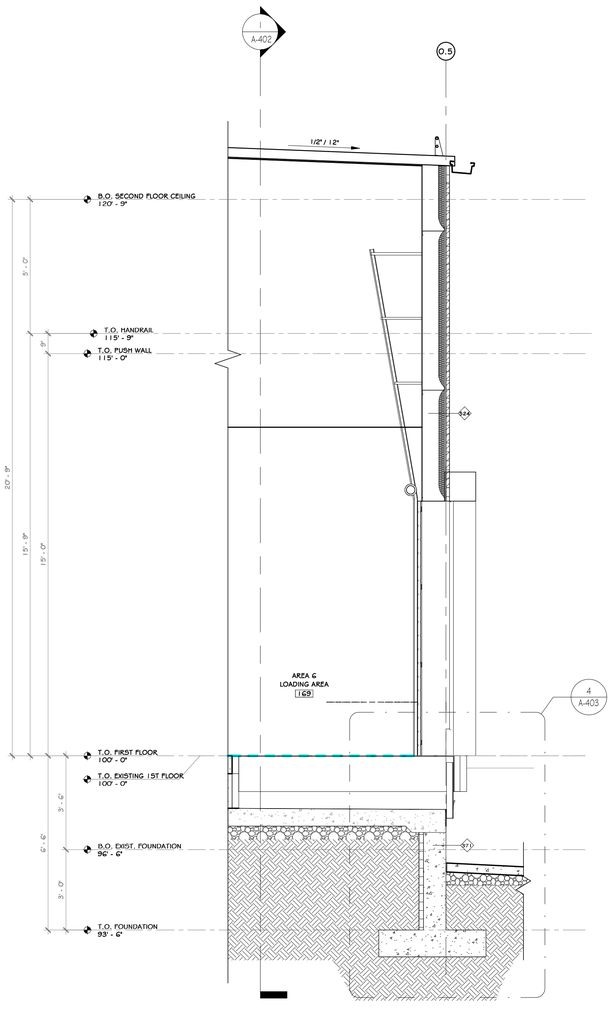
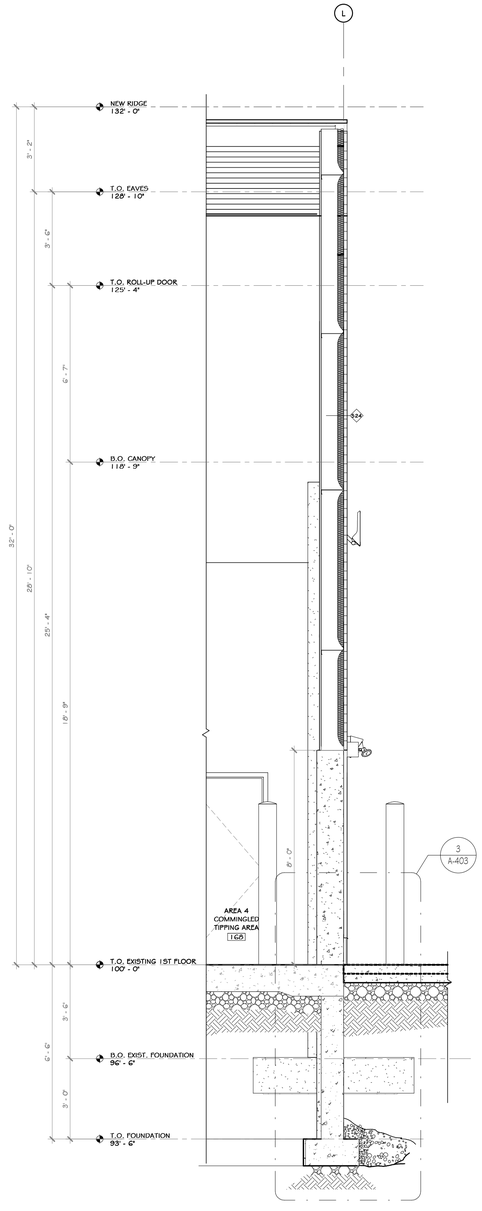
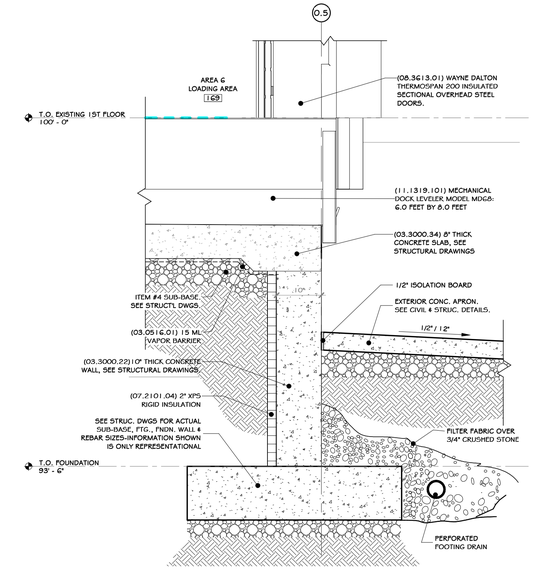


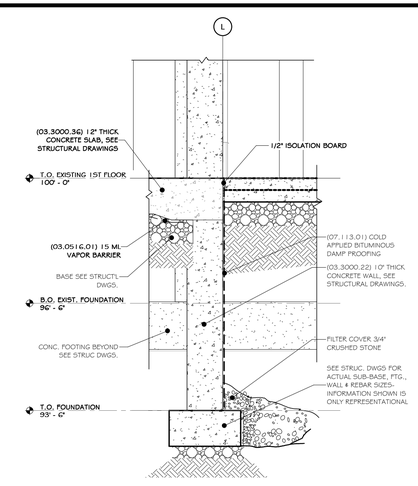
1 NEW ADDITION BUILDING WALL SECTION 3
3/8" = 1'-0"



2 NEW ADDITION BUILDING WALL SECTION 4
3/8" = 1'-0"



4 NEW ADDITION FOOTING DETAIL 2
3/4" = 1'-0"



3 NEW ADDITION FOOTING DETAIL 1
1/2" = 1'-0"

NOTE:
THE INTENT IS TO PROVIDE THE MINIMUM REQUIRED INSULATION TO MEET THE REQUIREMENTS FOR THE PRE-ENGINEERED METAL BUILDING WARRANTY.

REV	DESCRIPTION	DATE BY CHK
D	ISSUED FOR CONSTRUCTION	03-28-22
C	ISSUED FOR CONTRACT	03-23-22
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	07-06-21 AS

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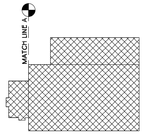
CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

1. NO CONSTRUCTION NOTES YET

PROJECT

NORTH



KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
ENGINEERING CONSULTANT
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
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NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

WALL SECTION DETAIL

	BY	DATE			
DRAWN	REA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN	
CHECKED	ABG	07/06/21	DWG. NO: A-403		D
DESIGNED	ABG	07/06/21	CAD FILE:		
APPROVED	ABG	07/06/21			
APPROVED			SHEET SIZE: D-24x36		REV

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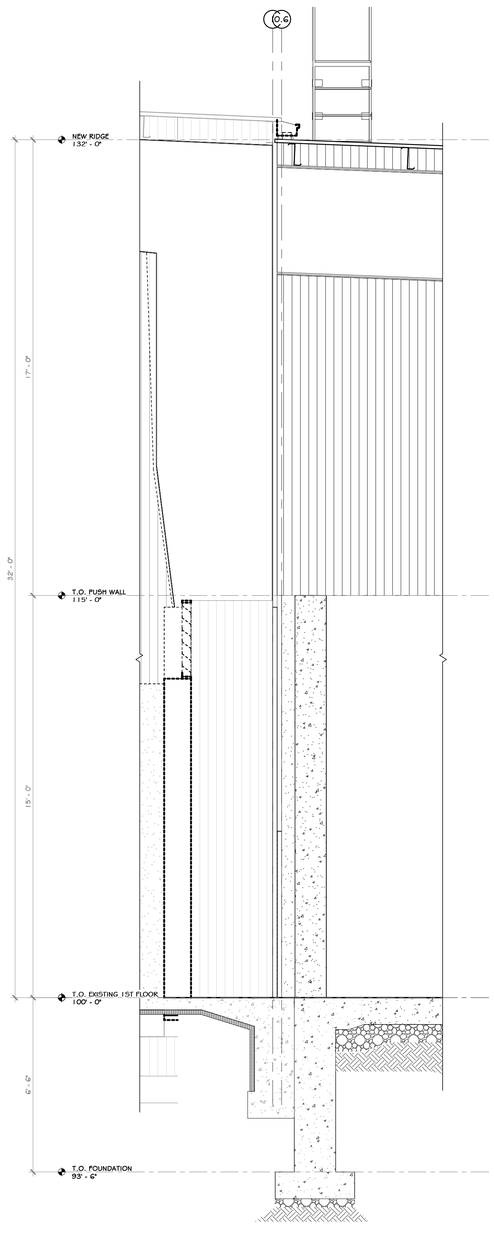
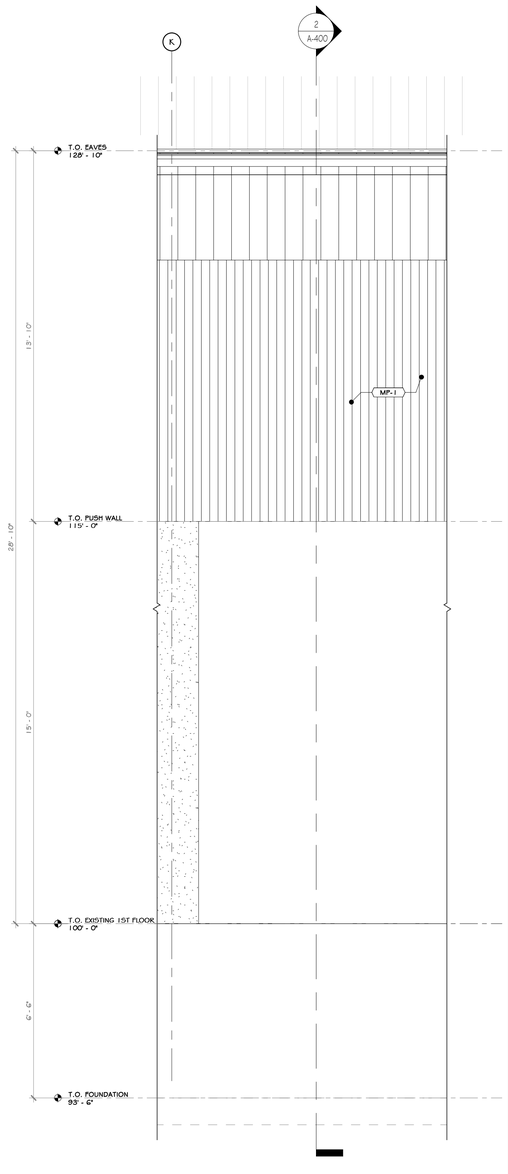
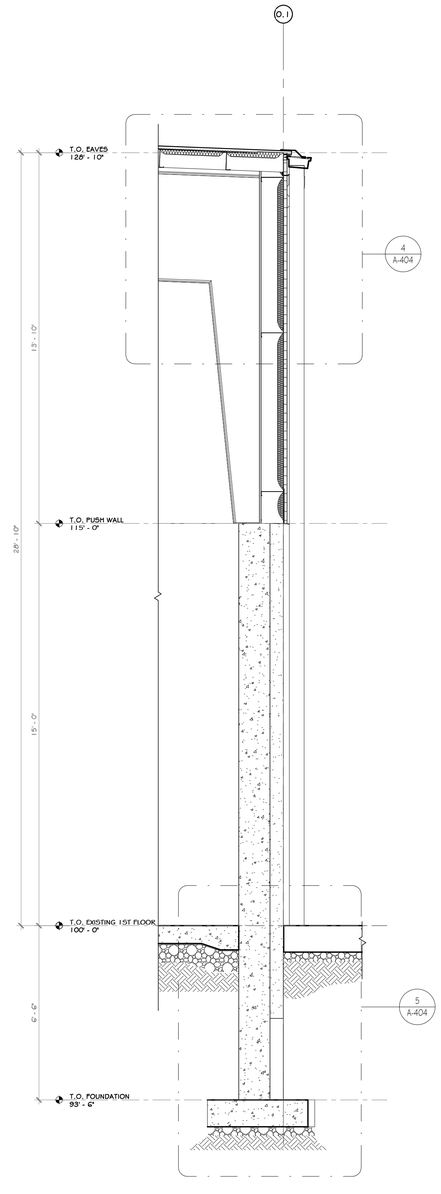


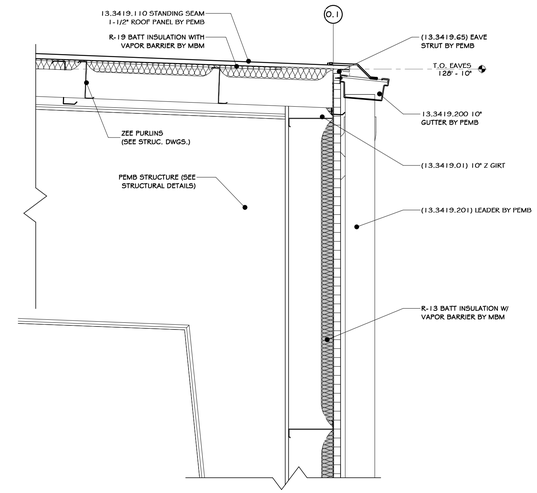
1 EXISTING TO NEW ADDITION WALL SECTION
3/8" = 1'-0"



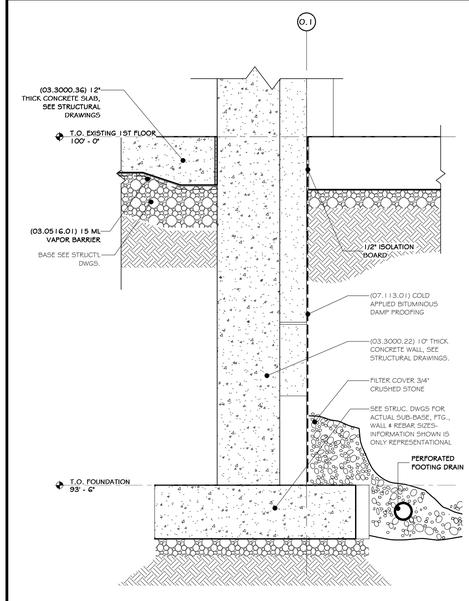
2 EAST PARTIAL ELEVATION
3/8" = 1'-0"



3 EAST WALL SECTION
3/8" = 1'-0"



4 EAST GUTTER DETAIL
3/4" = 1'-0"



5 EAST WALL FOUNDATION DETAIL
3/4" = 1'-0"

REV	DESCRIPTION	DATE
D	ISSUED FOR CONSTRUCTION	05-28-21
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	02-26-21

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FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

WALL SECTION DETAIL

	BY	DATE			
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN	
CHECKED	ADG	07/06/21	DWG. NO: A-404		D
DESIGNED	ADG	07/06/21			
APPROVED	ADG	07/06/21	CAD FILE:		
APPROVED			SHEET SIZE: D-24x36		REV

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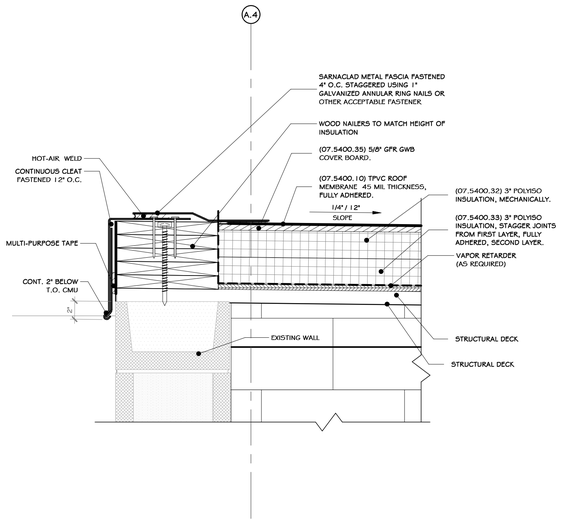
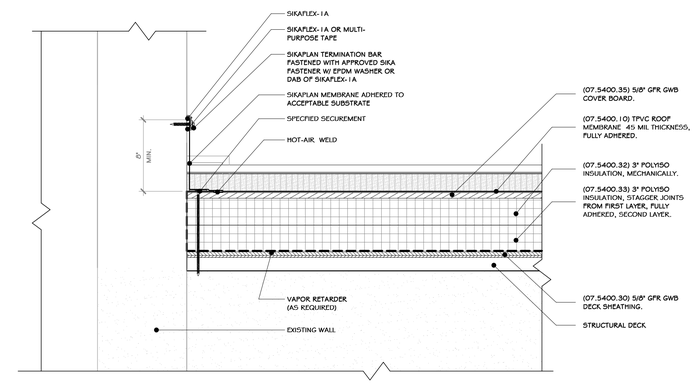
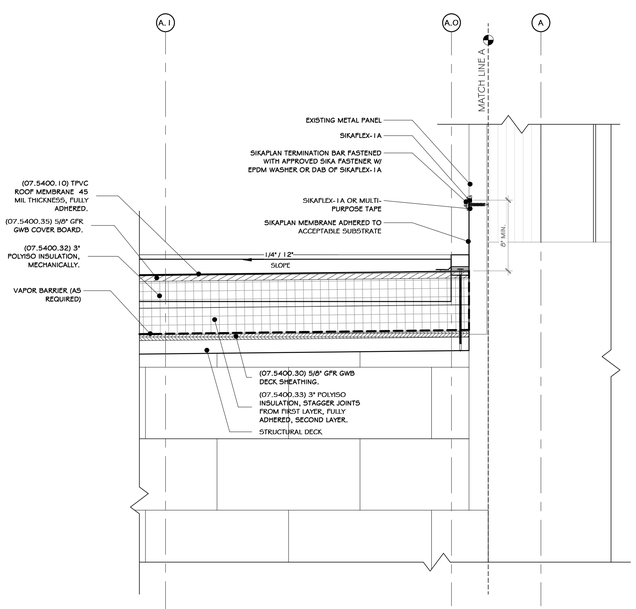


1 PARAPET-ROOF SECTION DETAIL
1 1/2" = 1'-0"



3 SECTION DETAIL @ VESTIBULE
1 1/2" = 1'-0"



2 SECTION DETAIL @ EXISTING BLDG. CONNECTION
1 1/2" = 1'-0"

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C	ISSUED FOR CONTRACT		08-27-20
B	REVISED FOR RFP ADDENDUM 6		03-23-20
A	ISSUED FOR RFP	JT / AS	07-06-20

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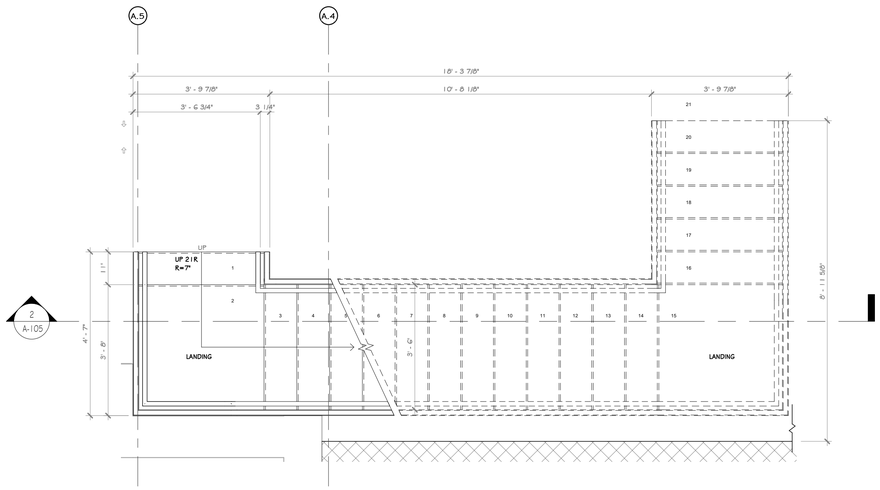
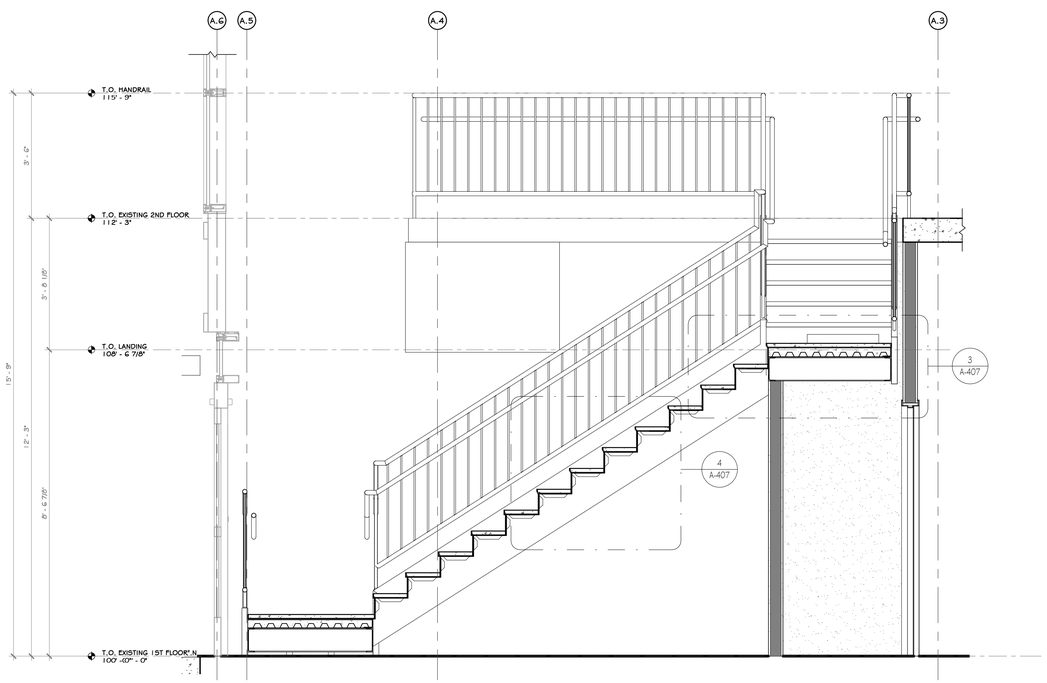
SECTION DETAIL

	BY	DATE
DRAWN	IDEA	07/06/21
CHECKED	ADG	07/06/21
DESIGNED	ADG	07/06/21
APPROVED	ADG	07/06/21
APPROVED		

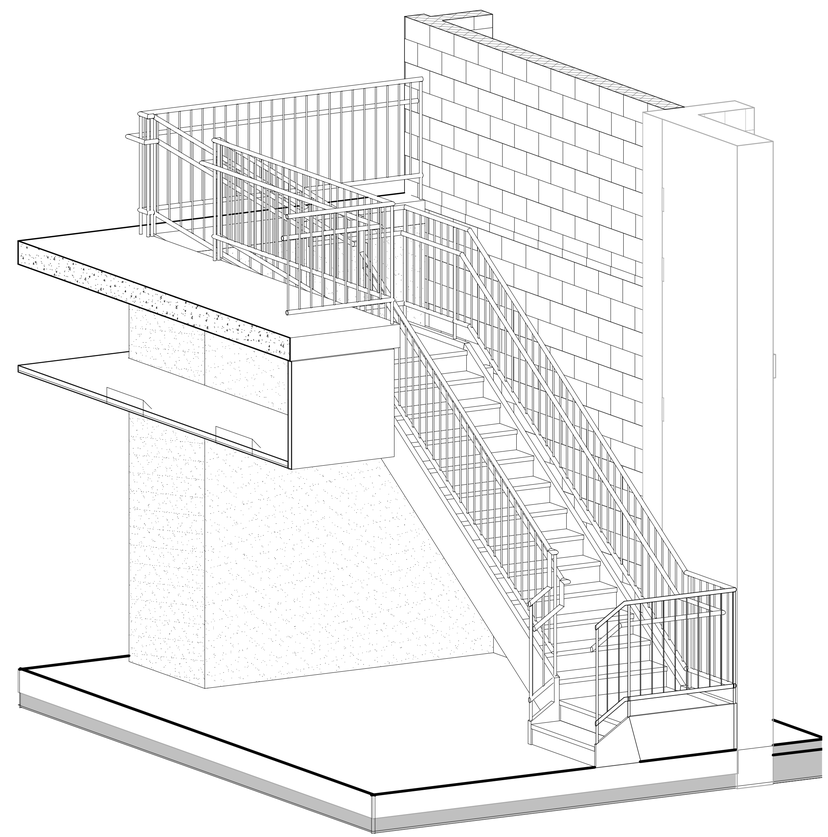
PROJ. No: 499-010 SCALE: AS SHOWN
DWG. NO: A-405 D
CAD FILE:
SHEET SIZE: D-24x36 REV



1 ENLARGED STAIR PLAN
1/2" = 1'-0"



2 STAIR SECTION
1/2" = 1'-0"



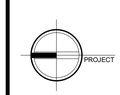
3 STAIR 3D VIEW

CONSTRUCTION NOTES

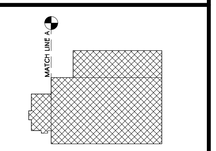
NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. STAIRS TO HAVE A MAX. 7" RISER HEIGHT AND 11" RUN LENGTH.
2. HANDRAIL: MINIMUM 1-1/4" INSIDE DIAMETER (1-5/8" O.D.)
3. ALL POURED CONCRETE TREADS TO HAVE A NON-SLIP ABRASIVE FEATURE. SEE SPECS BAR
4. GUARDRAIL HEIGHT TO BE A MINIMUM OF 3'-6" AFF. ALL GUARDRAILS TO BE ABLE TO WITHSTAND A MINIMUM OF 25OLB. LATERAL FORCE.
5. WITH THE EXCEPTION OF A QUALIFYING INDUSTRIAL RAIL, RAILINGS SHALL NOT ALLOW THE PASSAGE OF A SPHERE 4" OR MORE IN DIAMETER. THE TRIANGULAR OPENINGS FORMED BY THE RISER TREAD AND THE BOTTOM RAIL SHALL NOT ALLOW THE PASSAGE OF A SPHERE 6" OR MORE IN DIAMETER.

PROJECT



NORTH



KEY PLAN

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STAIR PLAN AND SECTIONS

REV	DESCRIPTION	DATE	BY	CHK
D	ISSUED FOR CONSTRUCTION	09-28-21		
C	ISSUED FOR CONTRACT	08-27-21		
B	REVISED FOR RFP ADDENDUM 6	07-23-21		
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REGISTERED ARCHITECT
JASON T. ANDERSON
033127
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	BY	DATE
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CHECKED	ADG	07/06/21
DESIGNED	ADG	07/06/21
APPROVED	ADG	07/06/21
APPROVED		

PROJ. No: 499-010 | SCALE: AS SHOWN
DWG. NO: A-406 | A D
CAD FILE:
SHEET SIZE: D-24x36 | REV

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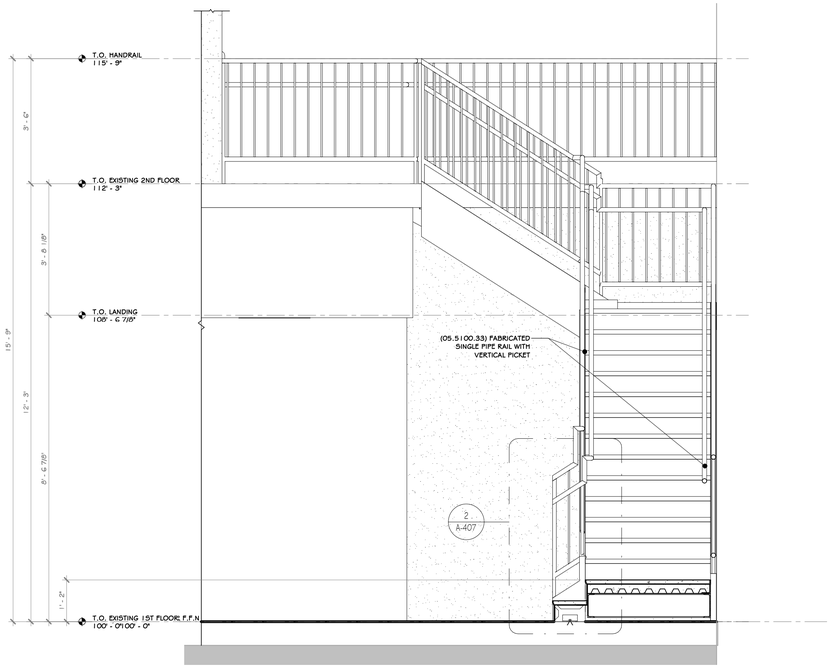
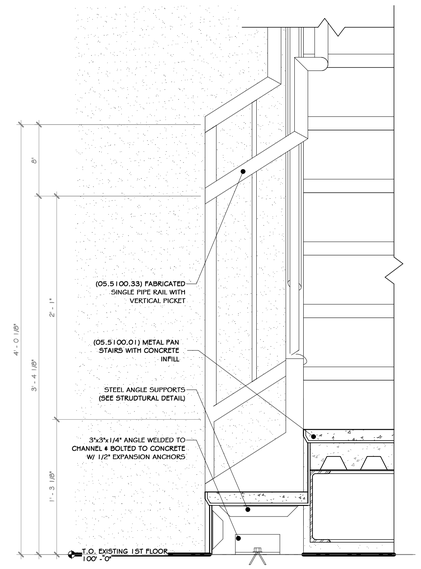
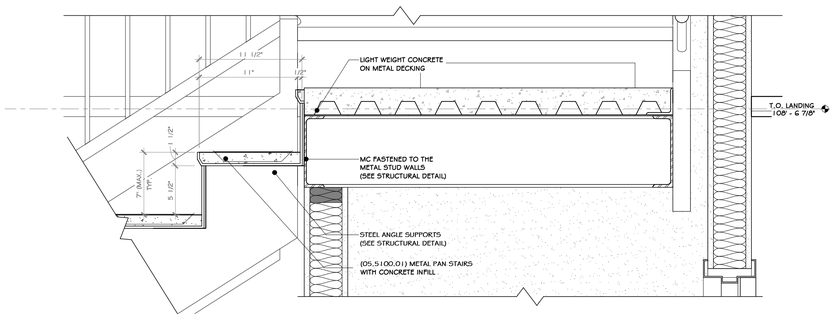


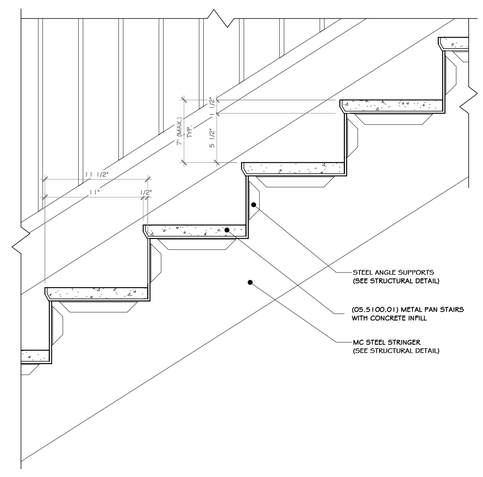
1 STAIR ELEVATION
1/2" = 1'-0"



2 STAIR HANDRAIL DETAIL
1 1/2" = 1'-0"



3 STAIR SECTION @ LANDING
1 1/2" = 1'-0"



4 STAIR SECTION @ RISER DETAIL
1 1/2" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. STAIRS TO HAVE A MAX. 7" RISER HEIGHT AND 11" RUN LENGTH.
2. HANDRAIL: MINIMUM 1-1/4" INSIDE DIAMETER (1-5/8" O.D.)
3. ALL POURED CONCRETE TREADS TO HAVE A NON-SLIP ABRASIVE FEATURE. SEE SPECS BAR
4. GUARDRAIL HEIGHT TO BE A MINIMUM OF 3'-6" AFF. ALL GUARDRAILS TO BE ABLE TO WITHSTAND A MINIMUM OF 250LB. LATERAL FORCE.
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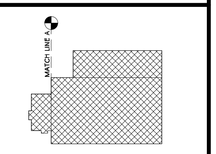
PROJECT NORTH



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STAIR PLAN AND SECTIONS

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DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-407	A D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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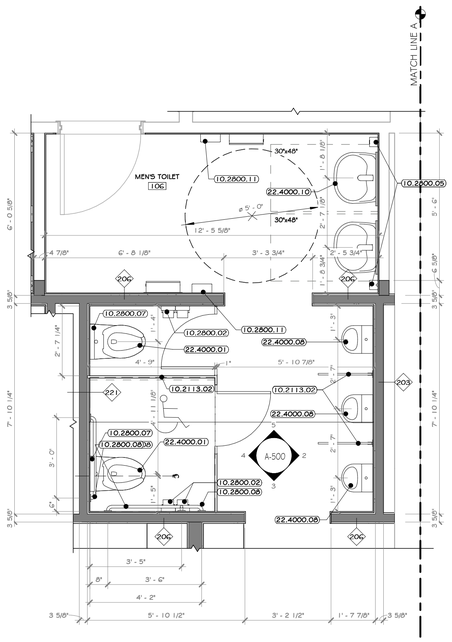
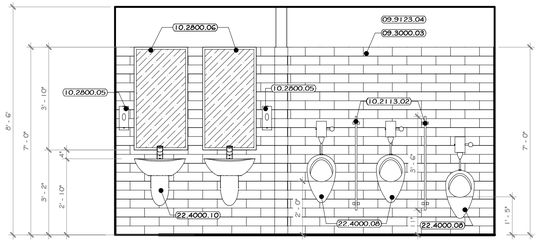
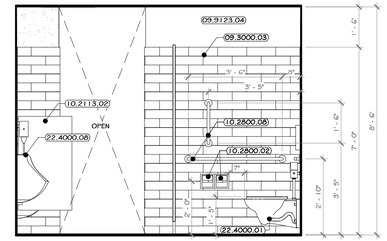


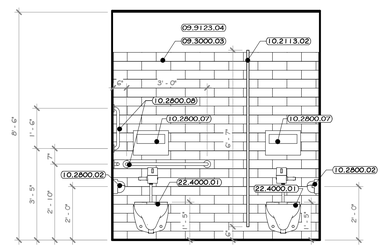
1 MEN'S TOILET #106 PLAN
3/8" = 1'-0"



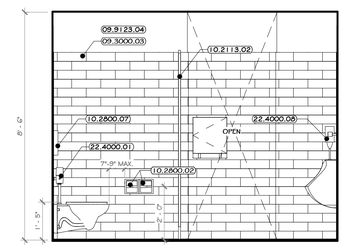
2 ELEVATION 2
3/8" = 1'-0" | A-211



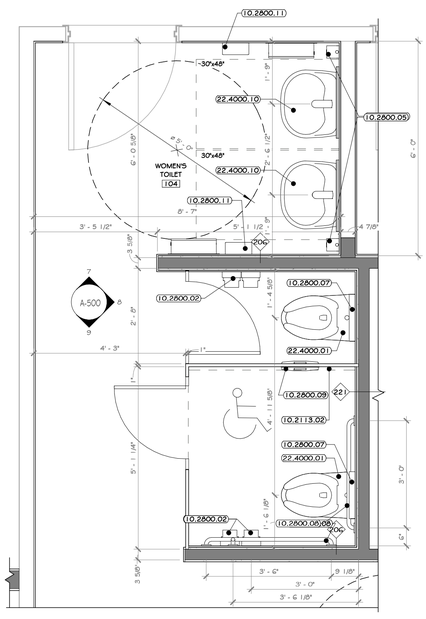
3 ELEVATION 3
3/8" = 1'-0" | A-211



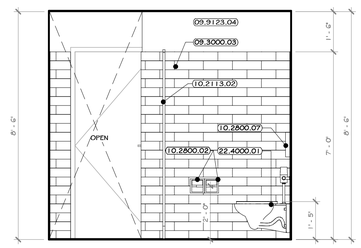
4 ELEVATION 4
3/8" = 1'-0" | A-211



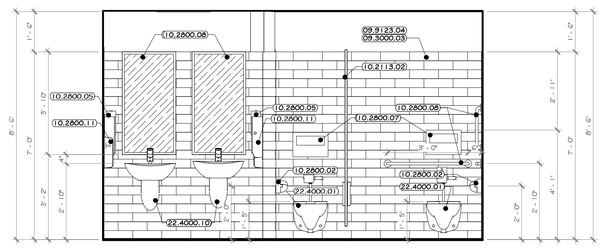
5 ELEVATION 5
3/8" = 1'-0" | A-211



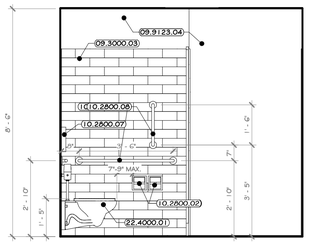
6 WOMEN'S TOILET #104 PLAN
1/2" = 1'-0"



7 ELEVATION 7
3/8" = 1'-0" | A-211



8 ELEVATION 8
3/8" = 1'-0" | A-211



9 ELEVATION 9
3/8" = 1'-0" | A-211

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

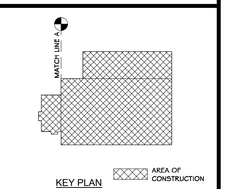
1. REFER TO TYPICAL ADA REQUIREMENT SHEET IN CONJUNCTION WITH THIS SHEET, FOR MOUNTING HEIGHTS AND DIMENSIONS.
2. INSTALL BLOCKING BEHIND ALL WALL MOUNTED FIXTURES, MIRRORS, GRAB BARS, AND TOILET PARTITIONS, AS REQUIRED.
3. GC IS TO COORDINATE SELECTION OF ALL TOILET ACCESSORIES AND FIXTURES WITH THE OWNER. THE ITEMS LOCATED WITHIN THE SPECIFICATIONS ON THIS SHEET ARE ONLY FOR BIDDING PURPOSES AND MAY OR MAY NOT BE SELECTED/APPROVED BY THE OWNER.
4. TILE TO CONTINUE AROUND ENTIRE ROOM. ALL INSIDE CORNERS, OUTSIDE CORNERS, EXPOSED EDGES AT TERMINATION POINTS (TOP OF TILE), ETC. ARE TO RECEIVE SCHLUTER EDGE TRIM. SEE SHEET A-604-8P.
5. GYP. BOARD TO BE PAINTED WALL W/ COLORS AS PER PAINT PLAN.
6. EXPOSED CMU TO HAVE BLOCK FILL PAINT AT ALL LOCATIONS.
7. PHENOLIC TOILET AND URINAL PARTITIONS: LATCHES, COAT HOOK, BUMPER, AND WALL STOP TO BE FURNISHED WITH EACH DOOR. PARTITIONS TO BE FLOOR MOUNTED, OVERHEAD BRACED. G.C. TO PROVIDE STRUCTURE TO MOUNT PARTITION AND COORDINATE WITH INSTALLER. DOORS TO HAVE CONTINUOUS STRIKE & HINGE. ALL TOILET PARTITIONS TO BE INSTALLED AT STANDARD MOUNTING HEIGHT. SEE DRAWING A-612-8P.
8. LINE OF CLEAR FLOOR SPACE REQUIRED.
9. ALL ACCESSIBLE FIXTURES TO MEET REQUIREMENTS OF ANSI A117.1.
10. EXPOSED PIPING BELOW LAVATORIES TO BE INSULATED

KEY NOTES

09.3000.03	GLAZED WALL TILE, 4" X 13".
09.9123.04	INTERIOR LATEX DRYWALL PAINT.
10.2113.02	SOLID PHENOLIC TOILET PARTITIONS, FLOOR MOUNT, OVERHEAD BRACED, 6" AFF.
10.2800.02	TOILET PAPER DISPENSER, DOUBLE ROLL, SURFACE MOUNT.
10.2800.05	LIQUID SOAP DISPENSER, WALL-MOUNTED, SURFACE.
10.2800.06	MIRRORS: STAINLESS STEEL FRAMED, 1/4 INCH THICK GLASS, 24" X 48".
10.2800.07	SEAT COVER DISPENSER, SURFACE-MOUNTED.
10.2800.08	HEAVY DUTY GRAB BARS 1-1/4", PEENED STAINLESS STEEL.
10.2800.09	SANITARY NAPKIN DISPOSAL UNIT; BACK-TO-BACK PARTITION MOUNTING.
10.2800.11	ELECTRIC HAND DRYER, THINAIR HAND DRYER.
22.4000.01	WALL-HUNG TOILET.
22.4000.08	WALL HUNG URINAL.
22.4000.10	LAVATORY, WALL MOUNTED.

PROJECT

NORTH



KEY PLAN

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FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

MEN'S TOILET #106 & WOMEN'S TOILET #104 INTERIOR ELEVS.

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-500	.D
DESIGNED	ADG	07/06/21	CAD FILE:	
APPROVED	ADG	07/06/21		
APPROVED			SHEET SIZE: D-24x36	REV

REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION		09-28-22
C	ISSUED FOR CONTRACT		08-27-22
B	REVISED FOR RFP ADDENDUM 6		07-23-21
A	ISSUED FOR RFP		07-06-21
		IDEA	
		BY	DATE

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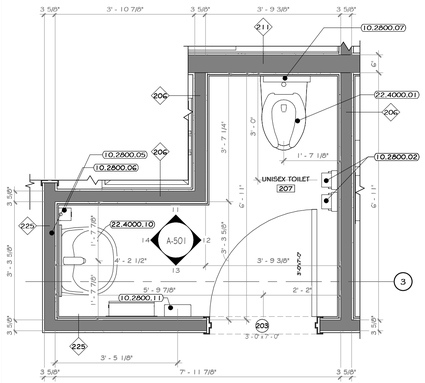
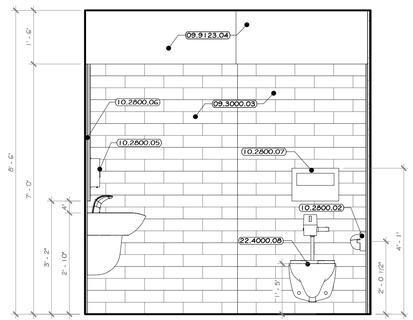
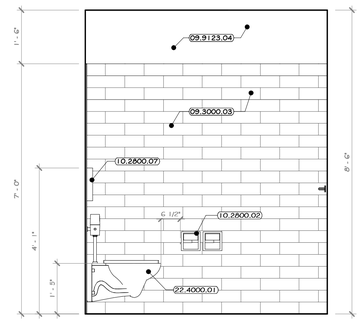


10 ENLARGED UNISEX TOILET #207 PLAN
1/2" = 1'-0"



11 ELEVATION 11
1/2" = 1'-0" 2 A-211



12 ELEVATION 12
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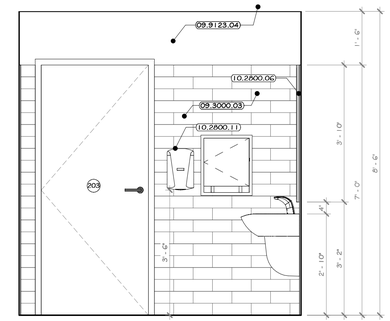

13 ELEVATION 13
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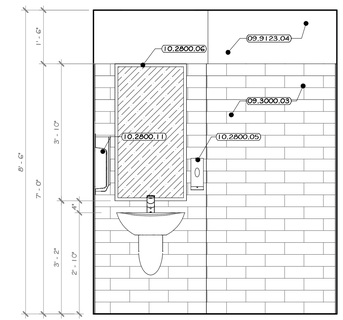
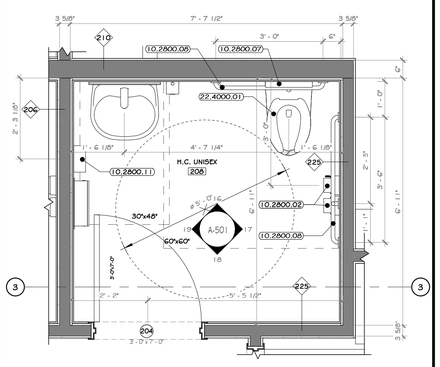


14 ELEVATION 14
1/2" = 1'-0" 2 A-211



15 H.C. UNISEX TOILET #208 PLAN
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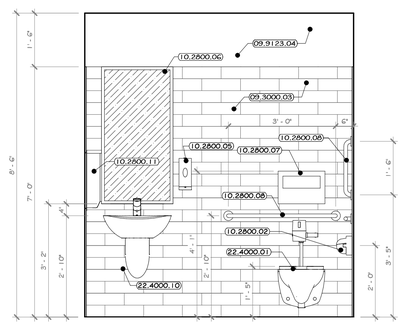

16 ELEVATION 16
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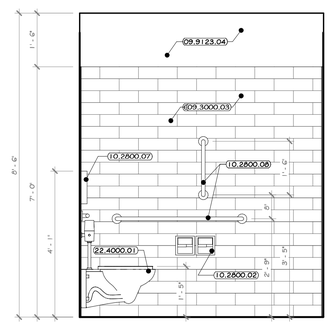

17 ELEVATION 17
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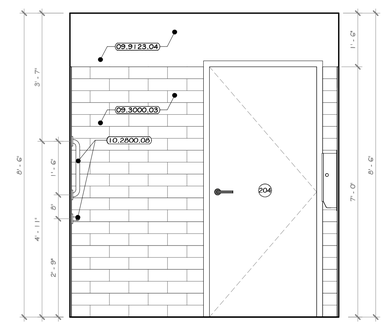

18 ELEVATION 18
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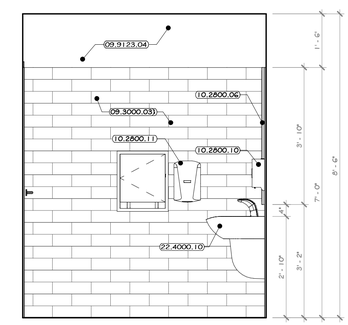
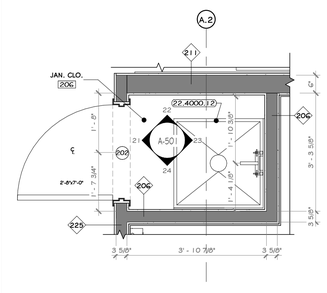
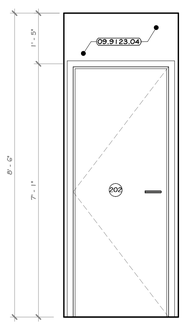


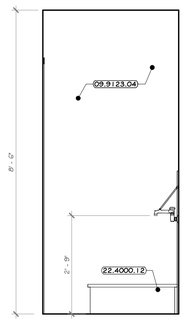
19 ELEVATION 19
1/2" = 1'-0" 2 A-211



20 JANITOR CLOSET #206 PLAN
1/2" = 1'-0"



21 ELEVATION 21
1/2" = 1'-0" 20 A-501



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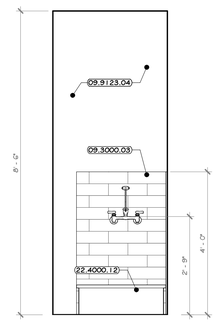

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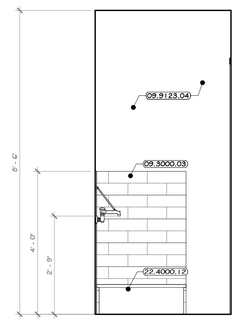


24 ELEVATION 24
1/2" = 1'-0" 20 A-501

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

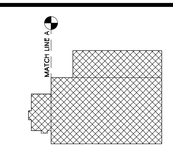
1. REFER TO TYPICAL ADA REQUIREMENT SHEET IN CONJUNCTION WITH THIS SHEET, FOR MOUNTING HEIGHTS AND DIMENSIONS.
2. INSTALL BLOCKING BEHIND ALL WALL MOUNTED FIXTURES, MIRRORS, GRAB BARS, AND TOILET PARTITIONS, AS REQUIRED.
3. GC IS TO COORDINATE SELECTION OF ALL TOILET ACCESSORIES AND FIXTURES WITH THE OWNER. THE ITEMS LOCATED WITHIN THE SPECIFICATIONS ON THIS SHEET ARE ONLY FOR BIDDING PURPOSES AND MAY OR MAY NOT BE SELECTED/APPROVED BY THE OWNER.
4. TILE TO CONTINUE AROUND ENTIRE ROOM. ALL INSIDE CORNERS, OUTSIDE CORNERS, EXPOSED EDGES AT TERMINATION POINTS (TOP OF TILE), ETC. ARE TO RECEIVE SCHLUTER EDGE TRIM. SEE SHEET A-6.04-BP.
5. GYP. BOARD TO BE PAINTED WALL W/ COLORS AS PER PAINT PLAN.
6. EXPOSED CMU TO HAVE BLOCK FILL PAINT AT ALL LOCATIONS.
7. PHENOLIC TOILET AND URINAL PARTITIONS: LATCHES, COAT HOOK, BUMPER, AND WALL STOP TO BE FURNISHED WITH EACH DOOR. PARTITIONS TO BE FLOOR MOUNTED, OVERHEAD BRACED. G.C. TO PROVIDE STRUCTURE TO MOUNT PARTITION AND COORDINATE WITH INSTALLER. DOORS TO HAVE CONTINUOUS STRIKE & HINGE. ALL TOILET PARTITIONS TO BE INSTALLED AT STANDARD MOUNTING HEIGHT. SEE DRAWING A-6.12-BP.
8. LINE OF CLEAR FLOOR SPACE REQUIRED.
9. ALL ACCESSIBLE FIXTURES TO MEET REQUIREMENTS OF ANSI A117.1.
10. EXPOSED PIPING BELOW LAVATORIES TO BE INSULATED

KEY NOTES

09.3000.03	GLAZED WALL TILE, 4" X 13".
09.9123.04	INTERIOR LATEX DRYWALL PAINT.
10.2800.02	TOILET PAPER DISPENSER, DOUBLE ROLL, SURFACE MOUNT.
10.2800.05	LIQUID SOAP DISPENSER, WALL-MOUNTED, SURFACE.
10.2800.06	MIRRORS: STAINLESS STEEL FRAMED, 1/4 INCH THICK GLASS, 24" X 48".
10.2800.07	SEAT COVER DISPENSER, SURFACE-MOUNTED.
10.2800.08	HEAVY DUTY GRAB BARS 1-1/4", PEENED STAINLESS STEEL.
10.2800.10	TOILETRY SHELF, X 24" LONG.
10.2800.11	ELECTRIC HAND DRYER, THINAIR HAND DRYER.
22.4000.01	WALL-HUNG TOILET.
22.4000.08	WALL HUNG URINAL.
22.4000.10	LAVATORY, WALL MOUNTED.
22.4000.12	SERVICE BASIN 24" X 24".

PROJECT

NORTH



KEY PLAN

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
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t.570.826.1000 | f.570.825.0888 | w. www.mrapc.com

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NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

H.C. UNISEX #208, UNISEX #207, JAN. CLO. #206 INT. ELEVS.

REV	DESCRIPTION	DATE	BY
D	ISSUED FOR CONSTRUCTION	05-28-21	
C	ISSUED FOR CONTRACT	05-27-21	
B	REVISED FOR RFP ADDENDUM 6	05-23-21	
A	ISSUED FOR RFP	05-06-21	

	BY	DATE
DRAWN	REA	05/06/21
CHECKED	ADG	05/06/21
DESIGNED	ADG	05/06/21
APPROVED	ADG	05/06/21
APPROVED		

PROJ. No: 499-010 SCALE: AS SHOWN
DWG. NO: A-501 .D
CAD FILE:
SHEET SIZE: D-24x36 REV

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

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Melville, N.Y. 11747 fax: 631-756-1064

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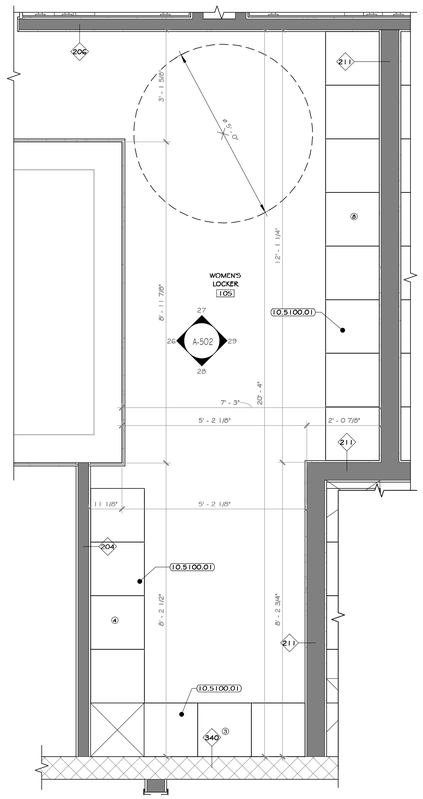
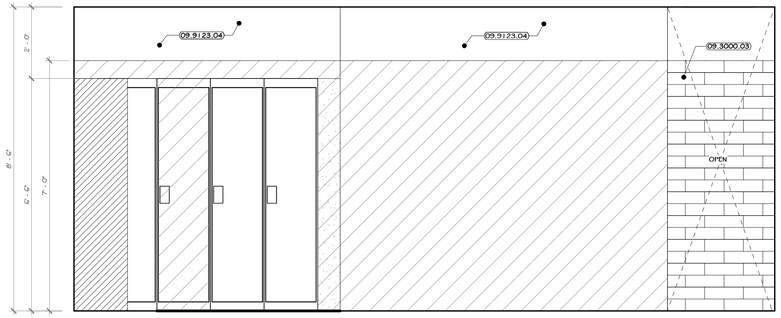
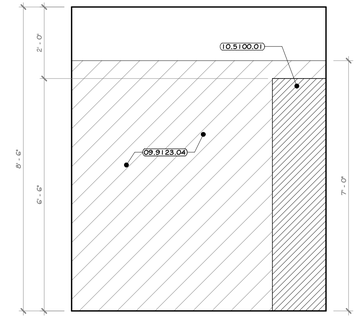


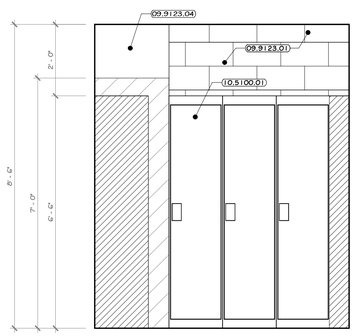
25 ENLARGED WOMEN'S LOCKER RM. #105 PLAN
1/2" = 1'-0"



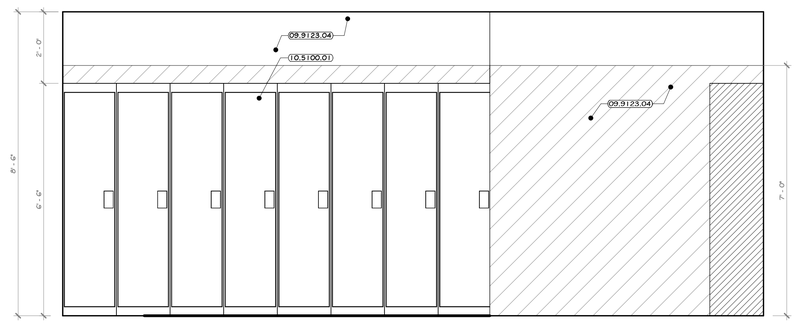
26 ELEVATION 26
1/2" = 1'-0" 1 A-211



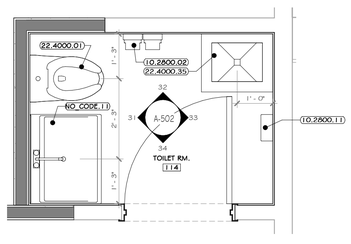
27 ELEVATION 27
1/2" = 1'-0" 1 A-211



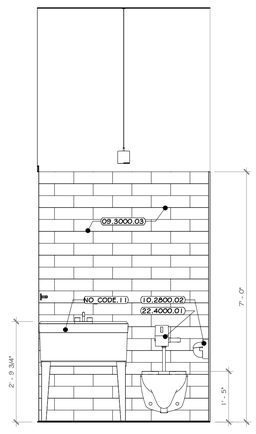
28 ELEVATION 28
1/2" = 1'-0" 1 A-211



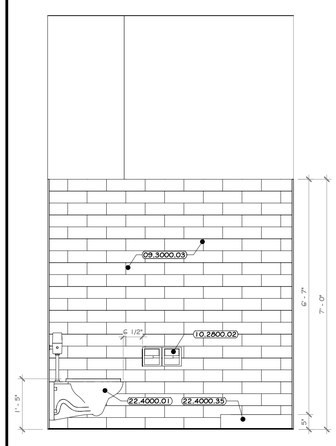
29 ELEVATION 29
1/2" = 1'-0" 1 A-211



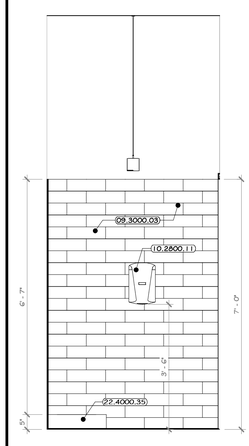
30 ENLARGED TOILET ROOM #114
1/2" = 1'-0"



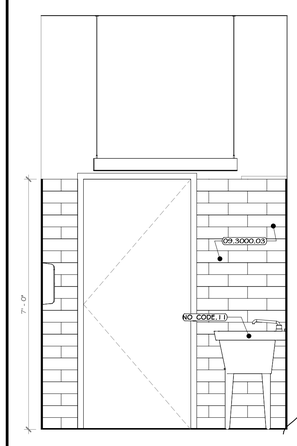
31 ELEVATION 31
1/2" = 1'-0" 3 A-211



32 ELEVATION 32
1/2" = 1'-0" 3 A-211



33 ELEVATION 33
1/2" = 1'-0" 3 A-211



34 ELEVATION 34
1/2" = 1'-0" 3 A-211

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. REFER TO TYPICAL ADA REQUIREMENT SHEET IN CONJUNCTION WITH THIS SHEET, FOR MOUNTING HEIGHTS AND DIMENSIONS.
2. INSTALL BLOCKING BEHIND ALL WALL MOUNTED FIXTURES, MIRRORS, GRAB BARS, AND TOILET PARTITIONS, AS REQUIRED.
3. GC IS TO COORDINATE SELECTION OF ALL TOILET ACCESSORIES AND FIXTURES WITH THE OWNER. THE ITEMS LOCATED WITHIN THE SPECIFICATIONS ON THIS SHEET ARE ONLY FOR BIDDING PURPOSES AND MAY OR MAY NOT BE SELECTED/APPROVED BY THE OWNER.
4. TILE TO CONTINUE AROUND ENTIRE ROOM. ALL INSIDE CORNERS, OUTSIDE CORNERS, EXPOSED EDGES AT TERMINATION POINTS (TOP OF TILE), ETC. ARE TO RECEIVE SCHLUTER EDGE TRIM. SEE SHEET A-604-B9.
5. GYP. BOARD TO BE PAINTED WALL W/ COLORS AS PER PAINT PLAN.
6. EXPOSED CMU TO HAVE BLOCK FILL PAINT AT ALL LOCATIONS.
7. PHENOLIC TOILET AND URINAL PARTITIONS: LATCHES, COAT HOOK, BUMPER, AND WALL STOP TO BE FURNISHED WITH EACH DOOR. PARTITIONS TO BE FLOOR MOUNTED, OVERHEAD BRACED. G.C. TO PROVIDE STRUCTURE TO MOUNT PARTITION AND COORDINATE WITH INSTALLER. DOORS TO HAVE CONTINUOUS STRIKE & HINGE. ALL TOILET PARTITIONS TO BE INSTALLED AT STANDARD MOUNTING HEIGHT. SEE DRAWING A-611.2-B9.
8. LINE OF CLEAR FLOOR SPACE REQUIRED.
9. ALL ACCESSIBLE FIXTURES TO MEET REQUIREMENTS OF ANSI A117.1.
10. EXPOSED PIPING BELOW LAVATORIES TO BE INSULATED

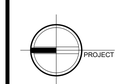
LEGEND

LOCKER ROOM AREA TO HAVE FRP ON THE WALLS UP TO 7'-0"

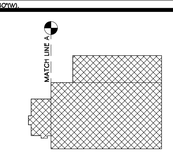
KEY NOTES

09.3000.03	GLAZED WALL TILE, 4" X 13".
09.9123.01	INTERIOR LATEX PAINT CONCRETE, MASONRY -- WALLS AND CEILINGS.
09.9123.04	INTERIOR LATEX DRYWALL PAINT.
10.2800.02	TOILET PAPER DISPENSER, DOUBLE ROLL, SURFACE MOUNT.
10.2800.11	ELECTRIC HAND DRYER, THINAIR HAND DRYER.
10.5100.01	HEAVY DUTY METAL LOCKERS; SINGLE TIER, 78" H X 18" W X 18" DEEP.
22.4000.01	WALL-HUNG TOILET.
22.4000.35	SERVICE BASIN; 20" X 24".
NO CODE 11	SLOPE UTILITY SINK; 24"(D) x 30"(W).

PROJECT



NORTH



KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
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185 N. Pennsylvania Ave, Wilkes-Barre, PA 18701
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RRT Engineering, LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

Rockland Green
ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

WOMEN'S LOCKER ROOM #105, TOILET RM. #114 PLAN & INT. ELEVATIONS

REV	DESCRIPTION	DATE	BY
D	ISSUED FOR CONSTRUCTION	09-28-21	
C	ISSUED FOR CONTRACT	09-27-21	
B	REVISED FOR RFP ADDENDUM 6	07-23-21	
A	ISSUED FOR RFP	07-06-21	

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

N.Y. R.A. LICENSE No. _____

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RRT Engineering , LLC
1 Huntington Quadrangle, 3S01 ph: 631-756-1060
Melville, N.Y. 11747 fax: 631-756-1064

	BY	DATE
DRAWN	DCA	07/06/21
CHECKED	ADG	07/06/21
DESIGNED	ADG	07/06/21
APPROVED	ADG	07/06/21
APPROVED		

PROJ. No: 499-010 SCALE: AS SHOWN
DWG. NO: A-502 REV D
CAD FILE:
SHEET SIZE: D-24x36

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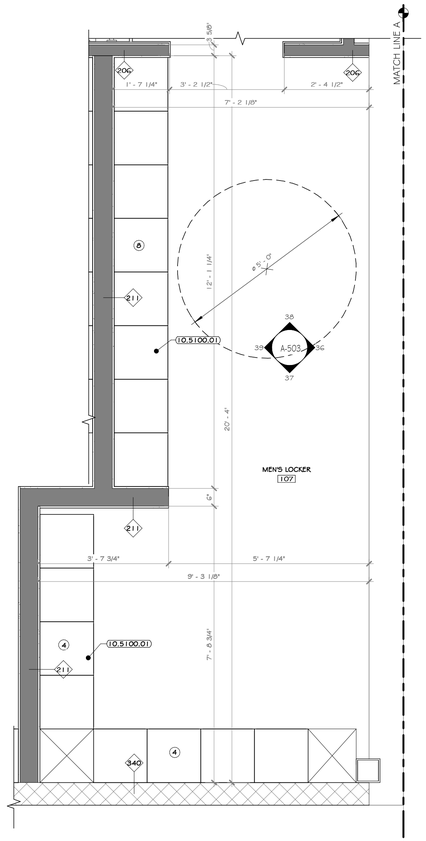
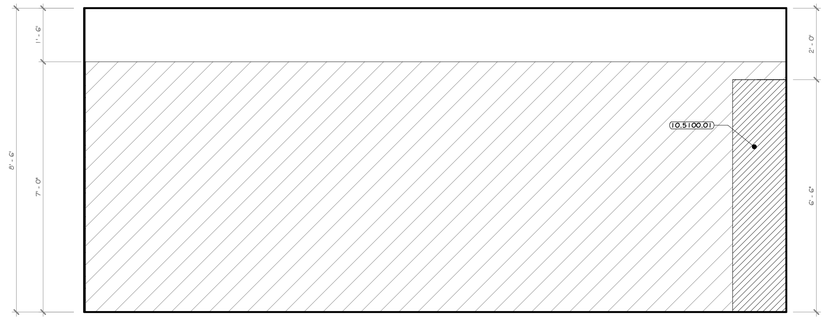
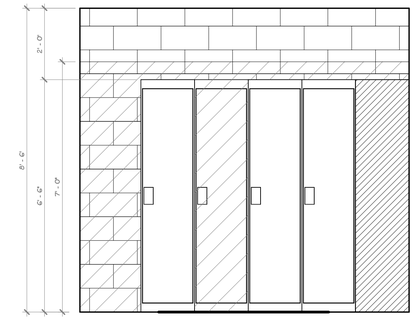


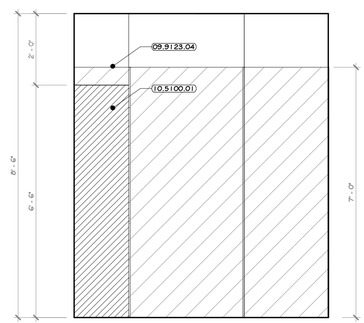
35 ENLARGED MEN'S LOCKER ROOM #107 PLAN
1/2" = 1'-0"



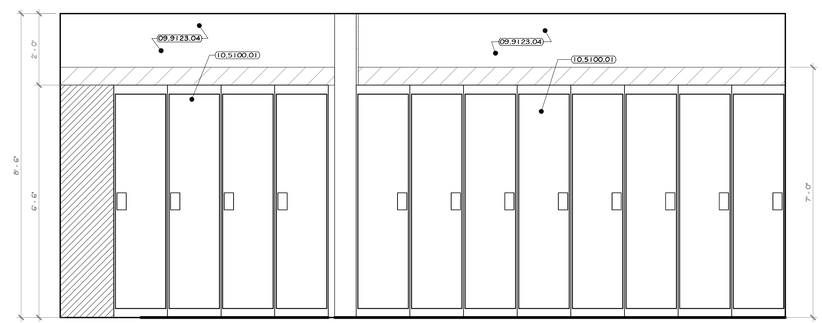
36 ELEVATION 36
1/2" = 1'-0" 1 A-211



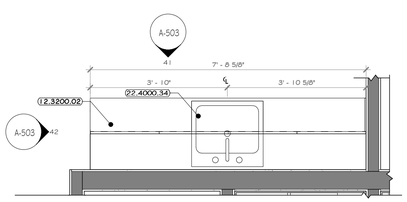
37 ELEVATION 37
1/2" = 1'-0" 1 A-211



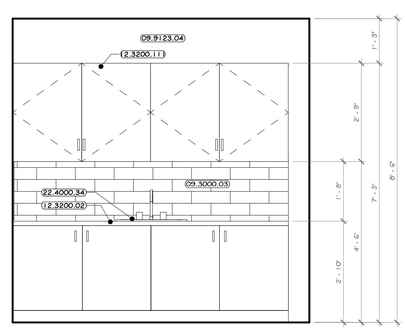
38 ELEVATION 38
1/2" = 1'-0" 1 A-211



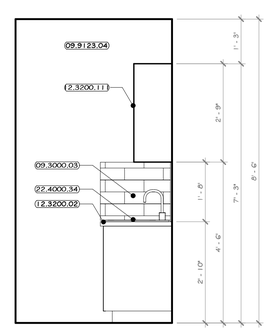
39 ELEVATION 39
1/2" = 1'-0" 1 A-211



40 ENLARGED KITCHENETTE FLOOR PLAN
1/2" = 1'-0"



41 ELEVATION 41
1/2" = 1'-0" 40 A-503



42 ELEVATION 42
1/2" = 1'-0" 40 A-503

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. REFER TO TYPICAL ADA REQUIREMENT SHEET IN CONJUNCTION WITH THIS SHEET, FOR MOUNTING HEIGHTS AND DIMENSIONS.
2. INSTALL BLOCKING BEHIND ALL WALL MOUNTED FIXTURES, MIRRORS, GRAB BARS, AND TOILET PARTITIONS, AS REQUIRED.
3. GC IS TO COORDINATE SELECTION OF ALL TOILET ACCESSORIES AND FIXTURES WITH THE OWNER. THE ITEMS LOCATED WITHIN THE SPECIFICATIONS ON THIS SHEET ARE ONLY FOR BIDDING PURPOSES AND MAY OR MAY NOT BE SELECTED/APPROVED BY THE OWNER.
4. TILE TO CONTINUE AROUND ENTIRE ROOM. ALL INSIDE CORNERS, OUTSIDE CORNERS, EXPOSED EDGES AT TERMINATION POINTS (TOP OF TILE), ETC. ARE TO RECEIVE SCHLUTER EDGE TRIM. SEE SHEET A-604-BP
5. GYP. BOARD TO BE PAINTED WALL W/ COLORS AS PER PAINT PLAN.
6. EXPOSED CMU TO HAVE BLOCK FILL PAINT AT ALL LOCATIONS.
7. PHENOLIC TOILET AND URINAL PARTITIONS: LATCHES, COAT HOOK, BUMPER, AND WALL STOP TO BE FURNISHED WITH EACH DOOR. PARTITIONS TO BE FLOOR MOUNTED, OVERHEAD BRACED. G.C. TO PROVIDE STRUCTURE TO MOUNT PARTITION AND COORDINATE WITH INSTALLER. DOORS TO HAVE CONTINUOUS STRAP & HINGE. ALL TOILET PARTITIONS TO BE INSTALLED AT STANDARD MOUNTING HEIGHT. SEE DRAWING A-612-BP.
8. LINE OF CLEAR FLOOR SPACE REQUIRED.
9. ALL ACCESSIBLE FIXTURES TO MEET REQUIREMENTS OF ANSI A117.1.
10. EXPOSED PIPING BELOW LAVATORIES TO BE INSULATED

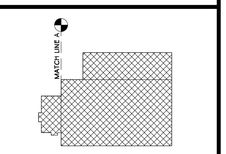
LEGEND

LOCKER ROOM AREA TO HAVE FRP ON THE WALLS UP TO 7'-0"

KEY NOTES

09.3000.03	GLAZED WALL TILE, 4" X 13".
09.9123.04	INTERIOR LATEX DRYWALL PAINT.
10.5100.01	HEAVY DUTY METAL LOCKERS; SINGLE TIER, 78" H X 18" W X 18" DEEP.
12.3200.02	WOOD LAMINATE KITCHENETTE CASEWORK.
12.3200.111	PLASTIC LAMINATE CASEWORK, 12" DEEP WALL CABINET.
22.4000.34	KITCHEN SINK, SINGLE BASIN, UNDERMOUNT.

PROJECT NORTH



KEY PLAN

STERLING
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185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
t.570.826.1000 f.570.825.0888 | w. www.mrapc.com

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RRT Engineering, LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

Rockland Green
ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

MEN'S LOCKER ROOM #107,COFFEE KITCHENETTE #204 PLAN & INT. ELEVS

	BY	DATE		
DRAWN	IDEA	07/08/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/08/21	DWG. NO: A-503	.D
DESIGNED	ADG	07/08/21		
APPROVED	ADG	07/08/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

REV	DESCRIPTION	DATE	BY	CK
D	ISSUED FOR CONSTRUCTION	09-28-21		
C	ISSUED FOR CONTRACT	09-21-21		
B	REVISED FOR RFP ADDENDUM 6	07-23-21		
A	ISSUED FOR RFP	07-06-21		

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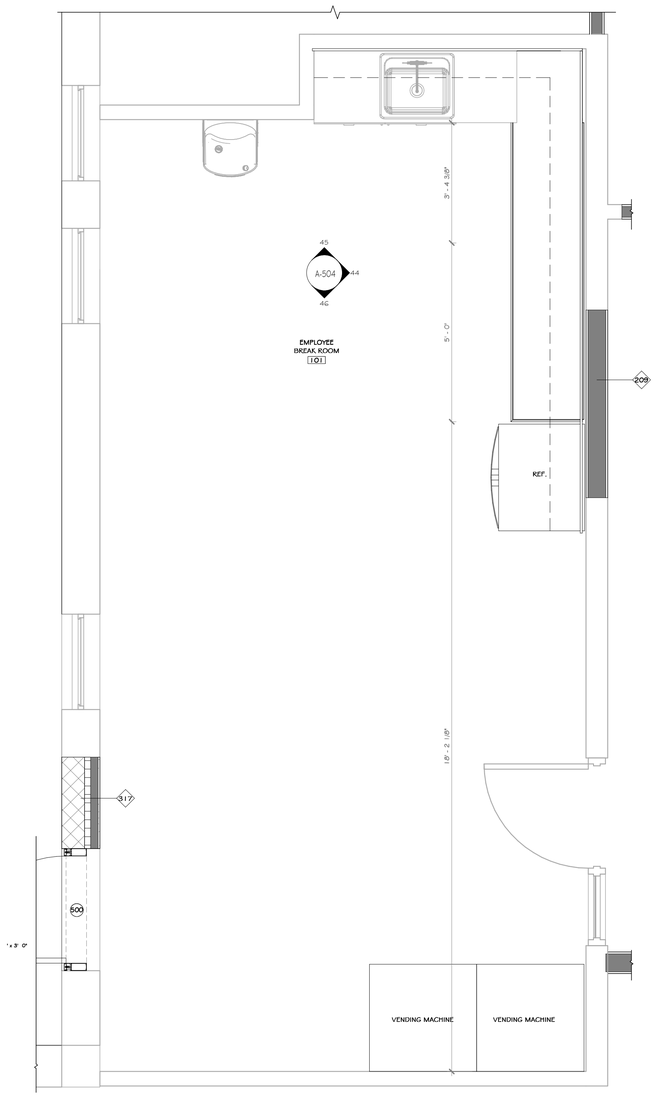
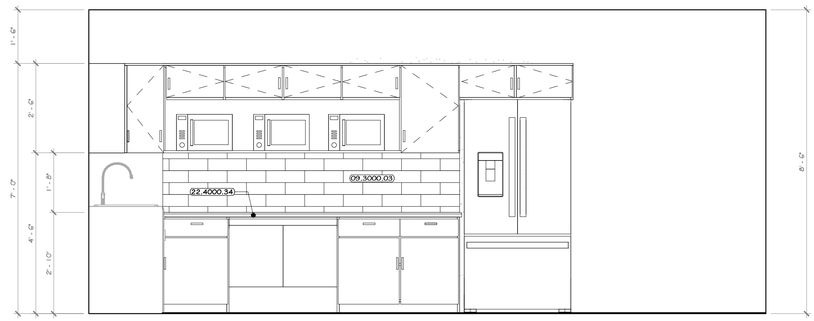
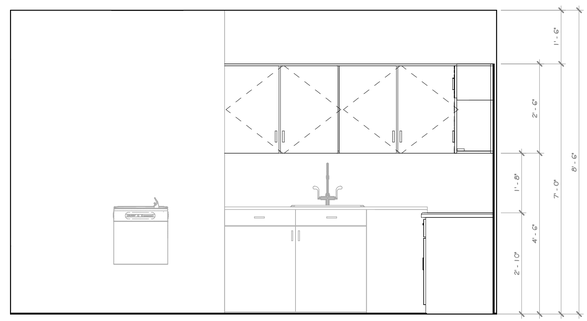


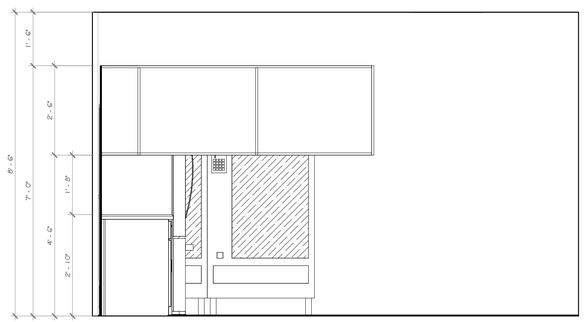
43 ENLARGED EMPLOYEE BREAKROOM
1/2" = 1'-0"



44 ELEVATION 44
1/2" = 1'-0" 43 A-504



45 ELEVATION 45
1/2" = 1'-0" 43 A-504



46 ELEVATION 46
1/2" = 1'-0" 43 A-504

CONSTRUCTION NOTES

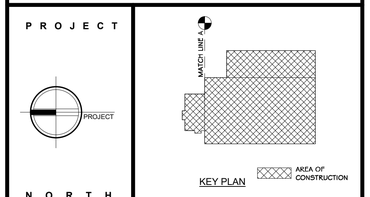
NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

1. BREAKROOM SINK TO HAVE AN ACCESSIBLE SIDE APPROACH.
2. FOR SINKS WITH FRONT APPROACH ACCESSIBILITY, A REMOVABLE ACCESSIBLE SLOPED MILLWORK PANEL IS TO BE INSTALLED BELOW SINKS WHEN SINK IS INTEGRATED INTO MILLWORK.
3. APPLIANCES SUCH AS REFRIGERATORS, VENDING MACHINES, DISHWASHERS, ETC, TO BE PURCHASED BY OWNER, INSTALLED BY GC. GC TO COORDINATE INSTALLATION DETAILS PRIOR TO SUBMITTING MILLWORK SHOP DRAWINGS.

KEY NOTES

09.3000.03 GLAZED WALL TILE, 4" X 13".
22.4000.34 KITCHEN SINK, SINGLE BASIN, UNDERMOUNT.

PROJECT NORTH



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CONTACT@ADGARCHITECT.COM

RRT Engineering, LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

EMPLOYEE BREAK ROOM #101 PLAN & INT. ELEVATIONS

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-504	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION		09-28-21
C	ISSUED FOR CONTRACT		08-27-21
B	REVISED FOR RFP ADDENDUM 6		07-23-21
A	ISSUED FOR RFP		07-06-21

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Melville, N.Y. 11747
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fax: 631-756-1064

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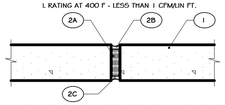
SYSTEM NO. WW-S-0038 SEPTEMBER 25, 2001
ASSEMBLY RATING - 2 HR
JOINT WIDTH - 1 IN. MAX.
L RATING AT AMBIENT - LESS THAN 1 CFM/LIN FT.
L RATING AT 400 F - LESS THAN 1 CFM/LIN FT.



1. WALL ASSEMBLY - MIN 4 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) STRUCTURAL CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS.*

   SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

2. JOINT SYSTEM - MAX WIDTH OF JOINT IS 1 IN. THE JOINT SYSTEM SHALL CONSIST OF FORMING AND FILL MATERIALS, AS FOLLOWS:

   A. PACKING MATERIAL - MIN. 3 IN. THICKNESS OF MIN 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO JOINT OPENING AS A PERMANENT FORM. PACKING MATERIAL RECESSED FROM EACH SURFACE OF THE WALL AS REQUIRED TO ACCOMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

   B. FILL, VOID OR CAVITY MATERIAL*- SEALANT - MIN 1/2 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE JOINT ON EXTERIOR OF WALL, FLUSH WITH WALL SURFACES.
   DOW CORNING CORP - 790 SEALANT, 795 SEALANT
   GENERAL ELECTRIC CO
   SILICONE PRODUCTS DIV - PENSIL 300 SEALANT
   PECORA CORP - DYNATROL II CAULK, 864 SILICONE CAULK
   SPECIFIED TECHNOLOGIES INC - PENSIL 300 SEALANT

   C. FILL, VOID OR CAVITY MATERIAL*- SEALANT - MIN 1/2 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE JOINT ON INTERIOR OF WALL, FLUSH WITH WALL SURFACES.
   SPECIFIED TECHNOLOGIES INC - SPECSEAL ES SEALANT

*BEARING THE UL CLASSIFICATION MARK

1 WWW-0038 2HR RATED JOINT
1 1/2" = 1'-0"

(FC) FLUTE COVER
FIRE STOP FLUTE COVER PROFILES

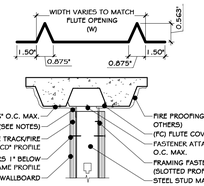
CORRUGATED STRAP FOR HORIZONTAL USE TO SPAN FLUTED AREAS OF UNPROTECTED OR PROTECTED METAL DECKS IN UP TO 2 HR RATED ASSEMBLIES. PROFILE ATTACHED TO DECK "VALLEY" SURFACES A MAX 16" O.C. ON BOTH SIDES. PROFILES CENTERED OR OFFSET UNDERNEATH AND PARALLEL TO DECK FLUTED AREAS PER LISTED ASSEMBLIES IN UL FIRE RESISTANCE DIRECTORY.

PRODUCT DATA & ORDERING INFORMATION:
MATERIAL:
YIELD STRENGTH : GRADE 33KSI
COATING: CF60 (G90 AVAILABLE)
33 MILS: 20 GAUGE, 0.0340" DESIGN THICKNESS, 0.0329" MIN. THICKNESS

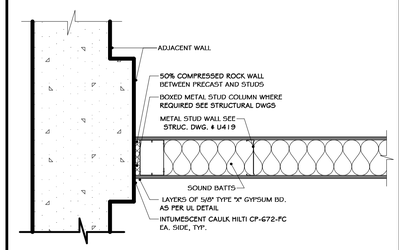
DIMENSIONS:
WIDTH (W): 675(6-3/4") AND 700(7")
LENGTH: 10'-0"

ASTM & CODE STANDARDS:
- ASTM A1003, C645 & C955
- UL2079, ASTM E814, E 1966, E119
- MSDS & PRODUCT CERTIFICATION INFORMATION IS AVAILABLE @ www.clarksdetroit.com

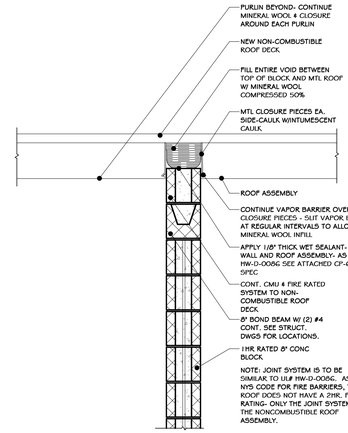
09.22.16 (NON-STRUCTURAL METAL FRAMING)



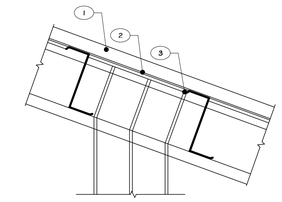
2 (FC) FLUTE COVER
1 1/2" = 1'-0"



3 FIRE BARRIER CONN. @ SIDEWALL
1" = 1'-0"

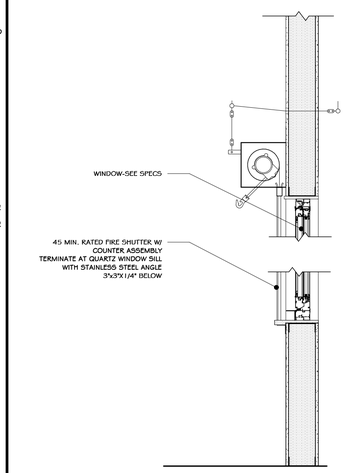


4 FIRE BARRIER @ CMU WALL-ROOF DET.
3/4" = 1'-0"

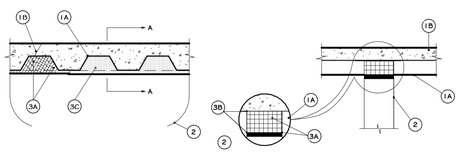


FRAMING ELEVATION

1. METAL ROOF PANELS - NO.26 MSG MIN. GALVANIZED, GALVALUME, OR PAINTED STEEL.
2. BATT OR BLANKETS- VINYL FACED COMPRESSIBLE GLASS FIBER INSULATION WEIGHING BETWEEN 0.6 AND 0.7 PCF. INSTALLED AT THE BOTTOM SIDE OF ROOF DECK PANELS OVER TOP OF PURLINS. NOTE: FIBERGLASS INSULATION WITH ALTERNATE FACING MATERIALS CAN BE USED, IF FLAME SPREAD IS LESS THAN OR EQUAL TO 25, AND HAS A SMOKE DEVELOPED RATING OF LESS THAN OR EQUAL TO 50 ASTM E84.
3. MINERAL WOOL BATTS - 2" THICK,8-9 PCF DENSITY, FIRE STOP ACROSS TOP OF WALL.
4. STEEL ROOF PURLIN - C OR Z SHAPED, MINIMUM 8" DEEP, NO. 16 MSG MIN. GALVANIZED OR PAINTED STEEL.
5. WALLBOARD, GYPSUM - 5/8" THICK, TYPE X GYPSUM WALLBOARD.
6. STEEL STUDS - CHANNEL SHAPED OF 25 MSG MIN. 3-5/8" WIDE, 1-1/4" FLANGES AND 1/4" RETURN STEEL STUDS OF NO. 25 MSG MIN. STEEL SPACED AT 16" O.C. MAX (REF. UL DESIGN NO. U425)
7. FLOOR AND CEILING RUNNERS - CHANNEL SHAPED OF 25 MSG MIN. STEEL WITH MIN. 1" LONG LEGS TO ACCOMMODATE MAIN WALL STUDS. RUNNER AT THE TOP OF THE WALL ATTACHED TO THE BOTTOM OF THE PURLINS. INVERTED RUNNER ATTACHED TO THE TOP OF THE WALL RUNNER BETWEEN PURLINS IN ORDER TO BATTS AND THE GLASS FIBER INSULATION UNDER THE ROOF PANELS.
8. FIRE CAULKING - BEAD OF FORE CAULK ALONG THE JOINT FORMED BY THE GYPSUM WALLBOARD AND THE GLASS FIBER INSULATION APPLIED ALONG THE TOP OF THE WALL AND ON BOTH SIDES OF THE WALL IN ACCORDANCE WITH THE MANUFACTURES SPECIFICATION. FIRE CAULKING OF ALL OPENINGS BETWEEN THE GYPSUM WALLBOARD AND THE PURLINS ON BOTH SIDES OF THE WALL.



8 FIRE SHUTTER @ WINDOW
3/4" = 1'-0"



SYSTEM NO. HW-D-0086
NOVEMBER 29,2001
ASSEMBLY RATING - 1 2/3 AND 4 HR (SEE ITEMS 3 AND 4)
NOMINAL JOINT WIDTH - 1 AND 2 IN. (SEE ITEM 3)
CLASS II MOVEMENT CAPABILITIES -19% AND 25% COMPRESSION OR EXTENSION (SEE ITEM 3)

1. FLOOR ASSEMBLY-THE FIRE-RATED FLUTED STEEL DECK/CONCRETE FLOOR ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL D900 SERIES FLOOR-CEILING DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. THE HOURLY FIRE RATING OF THE ASSEMBLY SHALL BE EQUAL TO OR GREATER THAN THE HOURLY FIRE RATING OF THE WALL ASSEMBLY. THE FLOOR ASSEMBLY SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   A. STEEL FLOOR AND FORM UNITS*-MAX 3 IN. DEEP GALV. STEEL FLUTED FLOOR UNITS.
   B. CONCRETE-MIN. 2-1/2 IN. THICK REINFORCED CONCRETE, AS MEASURED FROM THE TOP PLANE OF THE FLOOR UNITS.

2. ROOF ASSEMBLY (NOT SHOWN) - AS AN ALTERNATE TO THE FLOOR ASSEMBLY (ITEM 1), A FIRE RATED FLUTED STEEL DECK ROOF ASSEMBLY MAY BE USED. THE ROOF ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL P900 SERIES ROOF-CEILING DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. THE HOURLY RATING OF THE ROOF ASSEMBLY SHALL BE EQUAL TO OR GREATER THAN THE HOURLY FIRE RATING OF THE WALL ASSEMBLY. THE ROOF ASSEMBLY SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   A. STEEL ROOF DECK- MAX 3 IN. DEEP GALV. STEEL FLUTED ROOF DECK.
   B. ROOF INSULATION- MIN 2-1/4 IN. THICK POURED INSULATING CONCRETE, AS MEASURED FROM THE TOP PLANE OF THE STEEL ROOF DECK.

3. WALL ASSEMBLY- MIN. 6-1/8 IN. THICK STEEL-REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) STRUCTURAL CONCRETE. WHEN THE HOURLY RATING IS GREATER THAN 3 HR. M THE MIN. THICKNESS OF THE WALL IS 7-5/8 IN. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*

   SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURER.

4. JOINT SYSTEM-MAX SEPARATION BETWEEN BOTTOM OF FLOOR OR ROOF AND TOP OF WALL IS (AT TIME OF INSTALLATION OF JOINT SYSTEM) IS 2 IN. FOR 1 AND 2 HR. RATING AND 1 IN. FOR 3 AND 4 HR. RATINGS. THE JOINT SYSTEM IS DESIGNED TO ACCOMMODATE A MAX. 19 PERCENT COMPRESSION OR EXTENSION FROM ITS INSTALLED WIDTH FOR 3 AND 4 RATINGS. THE JOINT SYSTEM CONSISTS OF FORMING MATERIAL AND FILL MATERIAL, AS FOLLOWS:

   A. FORMING MATERIALS*- SECTIONS OF MIN. 4 PCF DENSITY MINERAL WOOL BATT. INSULATION CUT WIDTH OF THE WALL AND INSERTED BETWEEN THE TOP OF THE WALL AND THE VALLEYS OF THE STEEL DECK, COMPRESSED APPROX. 50 PERCENT IN THICKNESS BENEATH EACH VALLEY. ADDITIONAL PIECES OF MINERAL WOOL BATT CUT TO THE SHAPE OF THE STEEL DECK FLUTES ABOVE THE WALL. MINERAL WOOL IN FLUTES TO BE COMPRESSED APPROX. 14 PERCENT IN THICKNESS SUCH THAT IT IS FLUSH WITH EACH SURFACE OF THE WALL.

   FIBREX INSULATIONS INC. - FBX SAFING INSULATION
   OWENS CORNING - PAROC SAFING INSULATION
   ROCK WOOL MANUFACTURING CO. - DELTA BOARD
   ROXUL INC. - SAFE
   THERMAFIBER LLC - SAF

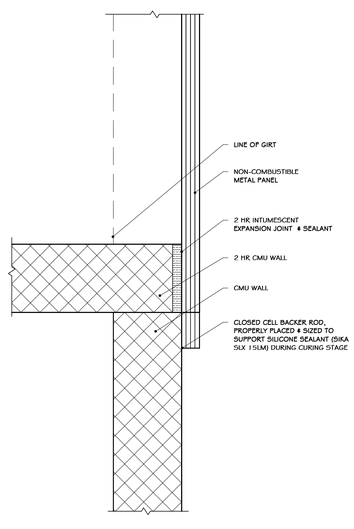
   B. FILL, VOID OR CAVITY MATERIAL* - SEALANT - MIN. 1/8 IN. WET THICKNESS (MIN 1/16 IN DRY) OF FILL MATERIAL SPRAY APPLIED ON EACH SIDE OF THE WALL IN THE FLUTES OF THE STEEL FLOOR OR ROOF DECK AND BETWEEN THE TOP OF WALL ADDITIONAL 1/8 IN. WET THICKNESS OF FILL MATERIAL SHALL OVERLAP A MIN 1/2 IN. ON TO THE STEEL DECK ON BOTH SIDES OF WALL.

   SPECIFIED TECHNOLOGIES INC. - SPEC. SEAL AS200 ELASTOMETRIC SPRAY.

5. THROUGH PENETRANT - (OPTIONAL, NOT SHOWN) NOM. 3/8 OR 1/2 IN. DIAM. RIGID STEEL CONDUIT, STEEL ELECTRICAL METALLIC TUBING (EMT) OR SCH. 40 PVC CONDUIT MAY BE INSTALLED PARALLEL WITH AND WITHIN THE FLUTES OF THE STEEL FLOOR OR ROOF DECK. THE CONDUIT OR EMT SHALL BE LOCATED NEAR THE MIDDLEPATH OF THE STEEL DECK WITH A CLEARANCE OF A/2 TO 1-1/2 IN. BETWEEN THE CONDUIT OR EMT AND THE STEEL DECK. A MAX. OF ONE CONDUIT OR EMT IS PERMITTED IN AN INDIVIDUAL FLUTE. WHEN CONDUIT OR EMT IS INSTALLED IN FLUTE OF STEEL DECK, THE HOURLY RATING OF THE JOINT SYSTEM IS 1 HR.

   *BEARING THE UL CLASSIFICATION MARK.

5 UL HW-D-0086
3" = 1'-0"



6 2HR CMU TO MTL PANEL DETAIL
1 1/2" = 1'-0"

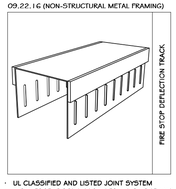
BLAZERFRAME (DSL 2)
"DSL 2" (SLOTTED BOTH SIDES) PROFILE WITH TWO SLOTTED LEGS

COMPOSITE FIRE STOP/FRAMING FOR USE IN FIRE RATED WALL ASSEMBLIES. PROVIDES 100% UNENCUMBERED JOINT PROTECTION. ACCOMMODATES UP TO 1 1/2" OVERALL MOVEMENT WITH UL 2079 LEVEL III CERTIFICATION. LEGS WITH SLOTS SPACED 1" O.C. FOR POSITIVE ATTACHMENT OF STUDS PER LISTED ASSEMBLIES IN UL FIRE RESISTANCE DIRECTORY. A 2MM THICKNESS OF CURED INTUMESCENT MATERIAL ADHERED TO METAL PROFILES PROVIDES AIR, SMOKE AND SOUND SEALS. WHEN EXPOSED TO HEAT ABOVE 375 DEGREES FAHRENHEIT, THE INTUMESCENT MATERIAL EXPANDS UP TO 35 TIMES ITS SIZE. THIS PROVIDES PROTECTION FROM HEAT AND FLAME PASSAGE DURING A FIRE EVENT.

PRODUCT DATA & ORDERING INFORMATION
MATERIAL:
YIELD STRENGTH: GRADE 33KSI FOR 30MILS,33MILS & 43MILS
GRADE 50KSI FOR 54MILS
COATING: G40 EQ FOR 30MILS, ALL OTHERS=CF60(G90 AVAILABLE

30MILS:20 GA GW, 0.0321" DESIGN THICKNESS, 0.0296" MIN. THICKNESS
(30 MILS IS ONLY AVAILABLE WITH DSL-E 2 AND DSL 2 PROFILES)
33MILS: 20 GAUGE, 0.0340"DESIGN THICKNESS,0.0329"MIN. THICKNESS
43MILS: 18 GAUGE,0.045 1" DESIGN THICKNESS,0.0428" MIN. THICKNESS
54MILS: 16 GAUGE,0.0560" DESIGN THICKNESS,0.0530" MIN. THICKNESS

09.22.16 (NON-STRUCTURAL METAL FRAMING)

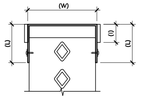


- UL CLASSIFIED AND LISTED JOINT SYSTEM
- INTUMESCENT STRIP PROVIDES AIR,SMOKE AND SOUND SEALS
- PATENTS:www.cd-patents.com

DIMENSIONS:

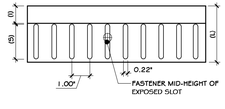
PROFILE	LEG LENGTH	TAPE WIDTH(1)	SLOT HEIGHT (5)	JOINT PROTECTION
DSL-E2 (30MIL ONLY)	2.50"	0.75"	1.50"	0.50"
DSL 2	3.00"	1.00"	1.50"	0.75"
DSLW 2	3.00"	1.25"	1.50"	1.00"
DSLX 2	4.00" *	1.75"	2.00"	1.50"

* 4 LEG LENGTH IS NOT AVAILABLE FOR 2-1/2" WIDE SYSTEM

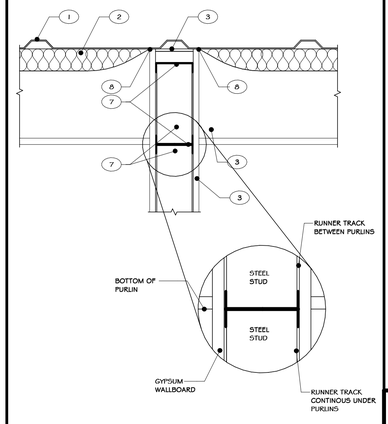


INSIDE WIDTH: EQUAL TO THE OUTSIDE WIDTH OF THE STUD
WIDTHS (W): 2-1/2", 3-5/8", 4", 6" AND 8"
VERTICAL SLOTS: 0.22" WIDE & WIDE & SPACED EVERY 1" O.C.
TRACK LENGTH: 10'-0"

ASTM & CODE STANDARDS:
- ASTM A1003, C645 & C955
- UL2079, ASTM E814, E 1966, E119
- MSDS & PRODUCT CERTIFICATION INFORMATION IS AVAILABLE @ www.clarksdetroit.com



9 BLAZE FRAME (DSL-2)
1 1/2" = 1'-0"



7 DETAIL - FIREWALL TO ROOF
12" = 1'-0"

REV	DESCRIPTION	DATE / BY / CHK
D	ISSUED FOR CONSTRUCTION	10-28-21
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	03-26-21

REGISTERED ARCHITECT JASON T. ANDERSON 031127 STATE OF NEW YORK

N.Y. R.A. LICENSE No. _____

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Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

FIRE RATED DETAILS

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-600	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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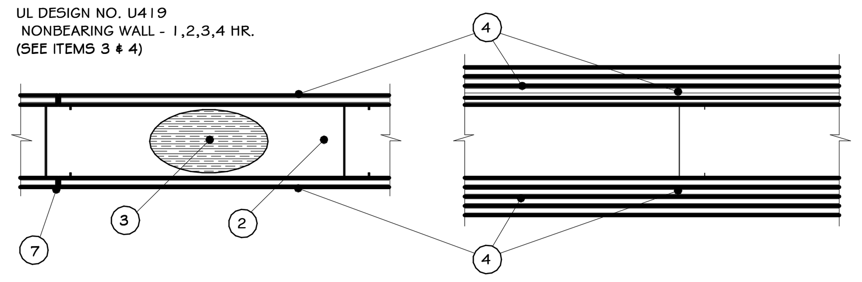
UL DESIGN NO. U419
NONBEARING WALL - 1,2,3,4 HR.
(SEE ITEMS 3 & 4)



1. FLOOR AND CEILING RUNNERS -- (NOT SHOWN)-- CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN. WIDTH TO ACCOMODATE STUD SIZE, WITH 1 IN. LONG LEGS, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. O.C. MAX.

2. STEEL STUDS-- CHANNEL SHAPED, FABRICATED FROM MIN. 25 MSG CORROSION-PROTECTED STEEL, MIN. WIDTH AS INDICATED UNDER ITEM 4, MIN. 1-1/4 IN. FLANGES AND 1/4 IN. RETURN, SPACED A MAX OF 24 IN. O.C. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

3. BATTS AND BLANKETS*-- (REQUIRED AS INDICATED UNDER ITEM 4)-- MINERAL WOOL BATTS, FRICTION FITTED BETWEEN STUDS AND RUNNERS. MIN. NOM. THICKNESS AS INDICATED UNDER ITEM 4. SEE BATTS AND BLANKETS (BKNV OR BZJZ) CATEGORIES FOR NAMES OF CLASSIFIED COMPANIES.

3A. BATTS AND BLANKETS*--(OPTIONAL)--PLACED IN STUD CAVITIES, ANY GLASS FIBER OR MINERAL WOOL INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE. SEE BATTS AND BLANKETS (BKNV OR BZJZ CATEGORIES FOR NAMES OF CLASSIFIED COMPANIES.

4. GYPSUM BOARD*--GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. VERTICAL JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED ONE STUD CAVITY. HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED NOT BE STAGGERED. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED A MIN. OF 12 IN. THE THICKNESS AND NUMBER OF LAYERS FOR THE 1 HR, 2 HR AND 4 HR RATINGS ARE AS FOLLOWS:

WALLBOARD PROTECTION ON EACH SIDE OF WALL

RATING	MIN. STUD DEPTH	NO. OF LAYERS & THICKNESS OF PANEL	MIN. THICKNESS OF INSULATION
1	3 1/2	1 LAYER, 5/8" THICK	OPTIONAL
1	2 1/2	1 LAYER, 1/2" THICK	1 1/2 IN.
1	1 5/8	1 LAYER, 3/4" THICK	OPTIONAL
2	1 5/8	2 LAYERS, 1/2" THICK	OPTIONAL
2	1 5/8	2 LAYER, 5/8" THICK	OPTIONAL
2	3 1/2	1 LAYER, 3/4" THICK	3 IN.
3	1 5/8	3 LAYERS, 3/4" THICK	OPTIONAL
3	1 5/8	2 LAYERS, 3/4" THICK	OPTIONAL
3	1 5/8	3 LAYERS, 5/8" THICK	OPTIONAL
4	1 5/8	4 LAYERS, 5/8" THICK	OPTIONAL
4	1 5/8	4 LAYERS, 1/2" THICK	OPTIONAL
4	2 1/2	2 LAYERS, 3/4" THICK	2 IN.

4A. CANADIAN GYPSUM COMPANY-- 1/2 IN. THICK TYPE C, IP-X2 OR IPC-AR WRC, 5/8 IN. THICK TYPE AR,C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX OR WRC 3/4 IN. THICK TYPE IP-X3, ULTRACODE SHC OR ULTRACODE WRC. UNITED STATUM CO--- 1/2 IN. THICK TYPE C, IP-X2, IPC-AR OR WRC 5/8 IN. THICK TYPE SCX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR 3/4 IN. THICK TYPE IP-X3, ULTRACODE, ULTRACODE SHC OR ULTRACODE WRC.

4B. USG MEXICO S A DE C V-- 1/2 IN. THICK TYPE C, IP-X2, IPC-AR OR WRC 5/8 N. THICK TYPE AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX,SHX,WRX, WRC OR 3/4 IN. THICK TYPE IP-X3, ULTRACODE, ULTRACODE SHC OR ULTRACODE WRC.

4C. GYPSUM BOARD*-- (AS AN ALTERNATE TO ITEM 4)-- 5/8 IN. THICK, 2 FT. WIDE, TONGUE AND GROOVE EDGE, APPLIED HORIZONTALLY AS THE OUTER LAYER TO ONE SIDE OF THE ASSEMBLY. SECURED AS DESCRIBED IN ITEM 5. JOINT COVERING (ITEM 7) NOT REQUIRED.

4D.CANADIAN GYPSUM COMPANY -- TYPE SHX.
4E. UNITED STATES GYOSUM CO -- TYPE SHX.
4F. USG MEXICO S A DE C V -- TYPE SHX.

5. FASTENERS -- (NOT SHOWN) -- TYPE S OR S-12 STEEL SCREWS USED TO ATTACH PANELS TO STUDS (ITEM 2) OR FURRING CHANNELS (ITEM 6). SINGLE LAYER SYSTEM; 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK. PANELS, SPACED 8 IN O.C WHEN PANELS ARE APPLIED HORIZONTALLY, OR 8 IN. O.C. ALONG VERTICAL AND BOTTOM EDGES AND 12 IN. O.C. IN THE FIELD WHEN PANELS ARE APPLIED VERTICALLY. TWO LAYER SYSTEM: FIRST LAYER - 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. O.C. SECOND LAYER:- 1-5/8 IN. LONG FOR 1/2 IN , 5/8 IN. THICK PANELS OR 2-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. O.C. WITH SCREWS OFFSET 8 IN. FROM FIRST LAYER. THREE -LAYER SYSTEMS: FIRST LAYER - 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. O.C. SECOND LAYER - 1-5/8 IN. LONG FOR 1/2 IN. 5/8 IN. THICK PANELS, SPACED 24 IN. O.C. THIRD LAYER - 2-1/4 IN. LONG FOR 1/2 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 24 IN. O.C. FOURTH LAYER- 2-5/8 IN. LONG FOR 1/2 IN. THICK PANELS OR 3 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. O.C. SCREWS OFFSET MIN. 6 IN. FROM LAYER BELOW.

6. FURRING CHANNELS -- (OPTIONAL, NOT SHOWN, FOR SINGLE OR DOUBLE LAYER SYSTEMS)-- RESILIENT FURRING CHANNELS FABRICATED FROM MIN. 25 MSG CORROSION-PROTECTED STEEL, SPACED VERTICALLY A MAX OF 24 IN. O.C. FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN. LONG TYPE S-12 STEEL SCREWS. NOT FOR USE WITH ITEM 4A.

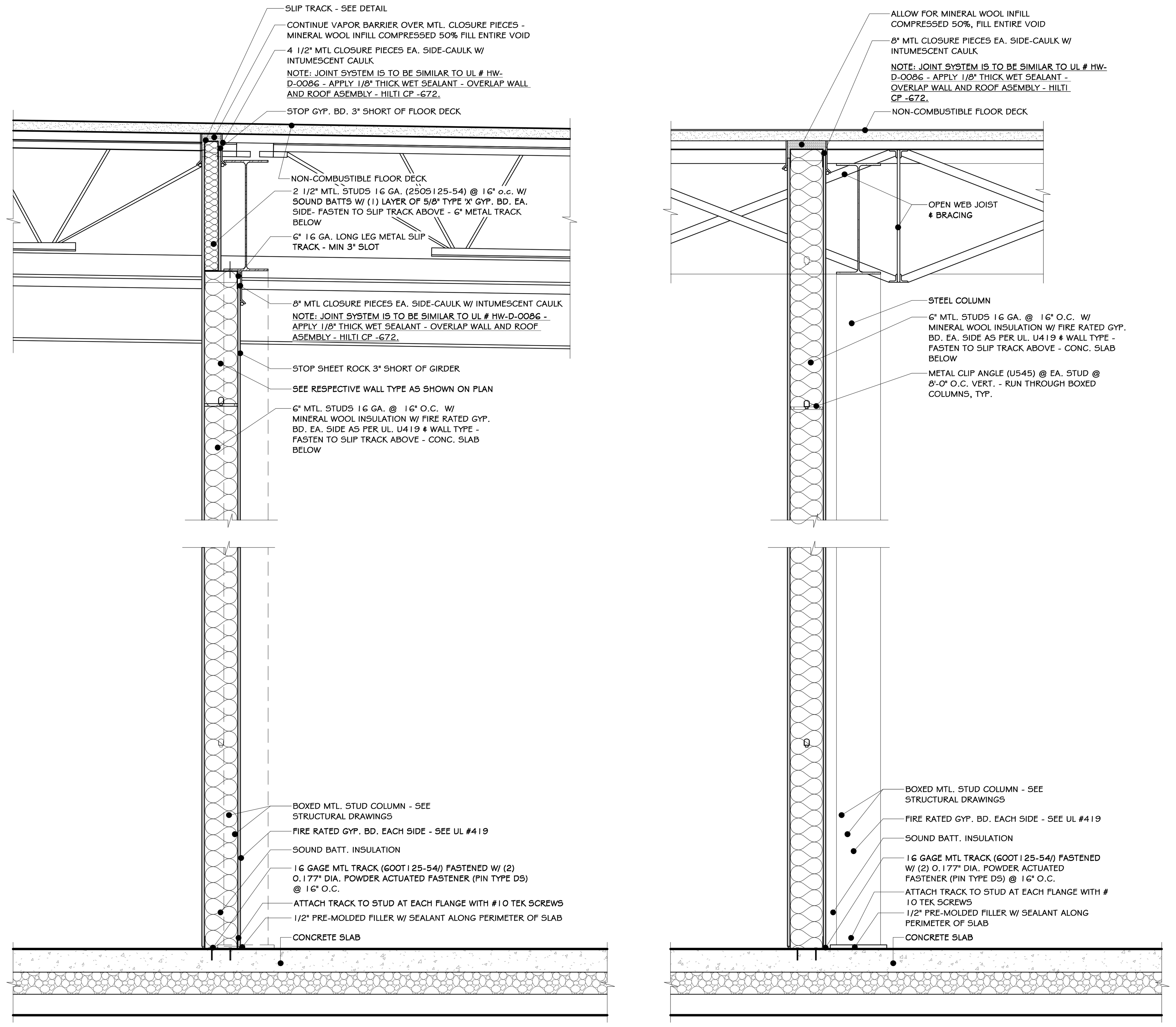
7. JOINT TAPE AND COMPOUND -- VINYL OR CASEIN, DRY OR PREMIXED JOINT COMPOUND APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS OF OUTER LAYERS. PAPER TAPE, NOM 2 IN. WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS AND OUTER LAYER PANELS. PAPER TAPE AND JOINT COMPOUND MAY BE OMITTED WHEN GYPSUM PANELS ARE SUPPLIED WITH A SQUARE EDGE.

8. SIDING, BRICK OR STUCCO -- (OPTIONAL, NOT SHOWN) -- ALUMINUM, VINYL OR STEEL SIDING, BRICK VENEER OR STUCCO, MEETING THE REQUIREMENTS OF LOCAL CODE AGENCIES, INSTALLED OVER GYPSUM PANELS. BRICK VENEER ATTACHED TO STUDS WITH CORRUGATED METAL WALL TIES ATTACHED TO EACH STUD WITH STEEL SCREWS, NOT MORE THAN EACH SIXTH COURSE OF BRICK.

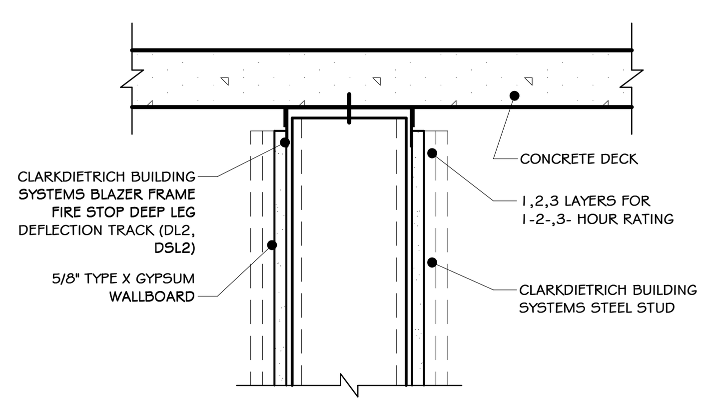
9. CAULKING AND SEALANTS*-- (OPTIONAL, NOT SHOWN) -- A BEAD OF ACOUSTICAL SEALANT APPLIED AROUND THE PARTITION PERIMETER FOR SOUND CONTROL. UNITED STATES GYPSUM CO-- TYPE AS

* BEARING THE UL CLASSIFICATION MARK

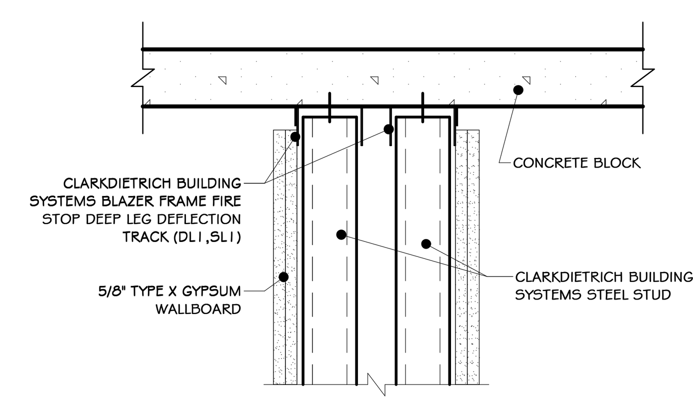
1 UL # 419
3" = 1'-0"



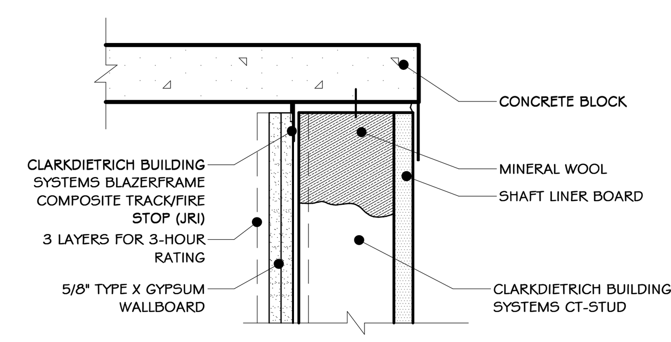
9 METAL STUD BARRIER SECTION - UL#419
3/4" = 1'-0"



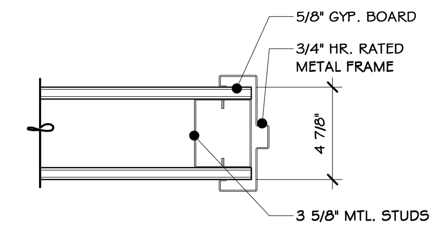
5 FIRE BARRIER FRAMING DETAIL (PT-1)
3/4" = 1'-0"



6 FIRE WALL FRAMING DETAIL (PT-2)
3/4" = 1'-0"



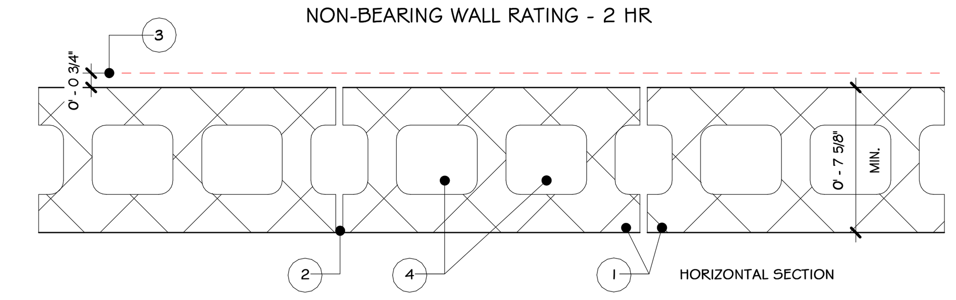
7 FIRE BARRIER FRAMING DETAIL (PT-3)
3/4" = 1'-0"



4 3 5/8 INCH. 1 HR. MTL. JAMB
1 1/2" = 1'-0"

DESIGN NO. U905
JUNE 10, 2019

BEARING WALL RATING - 2 HR
NON-BEARING WALL RATING - 2 HR



1. CONCRETE BLOCKS * -- VARIOUS DESIGNS. CLASSIFICATION D-2 (2HR). SEE CONCRETE BLOCKS CATEGORY FOR LIST ELIGIBLE MANUFACTURERS.

2. MORTAR -- BLOCKS LAID IN FULL BED OF MORTAR, NOM. 3/8 IN. THICK OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.

3. PORTLAND CEMENT STUCCO OR GYPSUM PLASTER -- ADD 1/2 HR TO CLASSIFICATION IF USED. WHERE COMBUSTIBLE MEMBERS ARE FRAMED IN WALL, PLASTER OR STUCCO MUST BE APPLIED ON THE FACE OPPOSITE FRAMING TO ACHIEVE A MAX. CLASSIFICATION OF 1-1/2 HR. ATTACHED TO CONCRETE BLOCKS (ITEM 1).

4. LOOSE MASONRY FILL -- IF ALL CORE SPACES ARE FILLED WITH LOOSE DRY EXPANDED SLAG, EXPANDED CLAY OR SHALE (ROTARY KILN PROCESS), WATER REPELLANT VERMICULITE MASONRY FILL INSULATION, OR SILICONE TREATED PERLITE LOOSE FILL INSULATION ASS 2 HR TO CLASSIFICATION.

5. FOAMED PLASTIC* -- (OPTIONAL-NOT SHOWN) -- 1- 1/2 IN. THICK MAX, 4 FT WIDE SHEATING ATTACHED TO CONCRETE BLOCKS (ITEM 1).

ATLAST ROOFING CORP-"ENERGYSHIELD PRO WALL INSULATION", " ENERGYSHIELD PRO 2 WALL INSULATION", ENERGYSHIELD CGF PRO AND ENERGYSHIELD PLY PRO

CARLISLE COATINGS & WATERPROOFING INC- TYPE R2 + SHEATHE

FIRESTONE BUILDING PRODUCTS CO L L C- "ENVERGE ™ CI FOIL EXTERIOR WALL INSULATION" AND "ENVERGE™ CI GLASS EXTERIOR WALL INSULATION"

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC-TYPES "XCI-CLASS A", "XCI FOIL (CLASS A)", XCI 286"

RMAX OPERATING L L C-TYPES "TSX-8500", "ECOMAXCI FR", "TSX-8510", "ECOMAX XI FR WHITE", "ECOMAXCI", "ECOMAXCI FR AIR BARRIER", THERMASHEATH", "DURASHEATH", "THERMASHEATH-3", "DURASHEATH-3".

THE DOW CHEMICAL CO- TYPES THERMAX SHEATHING, THERMAX LIGHT DUTY INSULATION, THERMAX HEAVY DUTY INSULATION, THERMAX METAL BUILDING BOARD, THERMAX WHITE FINISH INSULATION, THERMAX CI EXTERIOR INSULATION, THERMAX XARMOR CI EXTERIOR INSULATION, THERMAX IH INSULATION, THERMAX PLUS LINER PANEL, THERMAX HEAVY DUTY PLUS (HDP) AND TUFF-R™ CI INSULATION.

5A. BUILDING UNITS- AS AN ALTERNATE TO ITEMS 5, MIN. 1-IN THICK POLYISOCYANURATE COMPOSITE FOAMED PLASTIC INSULATION BOARDS, NOM, 48 BY 48 OR 97 IN.

RMAX OPERATING L L C-"THERMASHEATH-SI", "ECOBASECI", "THERMABASE-CI", "ECOMAXCI FR PLY", "ECOMAXCI PLY".

8 UL #905
1 1/2" = 1'-0"

Sterling Environmental Engineering, P.C.

martinrogers ENGINEERING CONSULTANT
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
t.570.826.1000 | f.570.825.0888 | w. www.mrapc.com

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NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

FIRE RATED DETAILS

REV	DESCRIPTION	DATE BY CHK
D	ISSUED FOR CONSTRUCTION	09-28-21
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	07-06-21 ID AS

REGISTERED ARCHITECT JASON T. ANDERSON STATE OF NEW YORK 033127

N.Y. R.A. LICENSE No. _______

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RRT Engineering , LLC
1 Huntington Quadrangle, 3S01 Melville, N.Y. 11747 — ph: 631-756-1060 fax: 631-756-1064

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-601	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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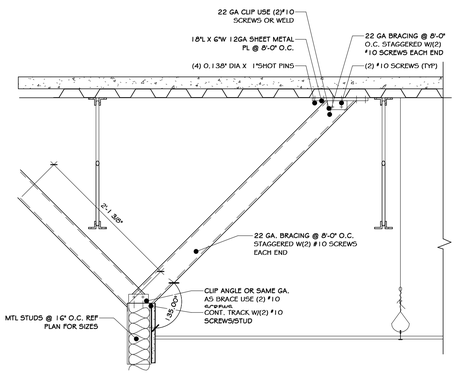
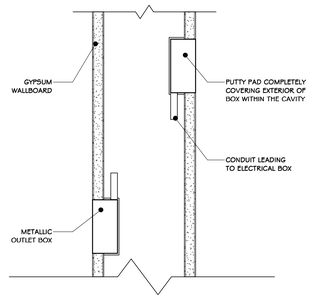
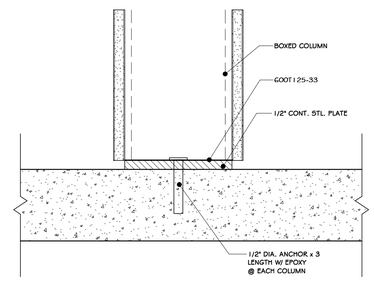


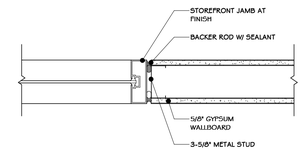
1 WALL CONNECTION DETAIL
1" = 1'-0"



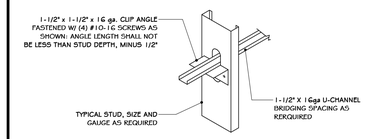
ELECTRICAL BOXES -GYPSUM WALL BD.
2 3" = 1'-0"



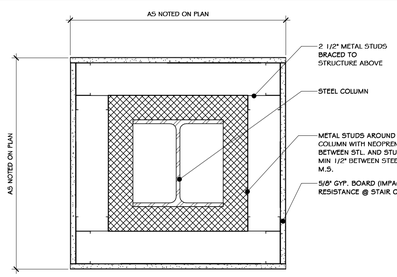
3 SECTION @ BOX COLUMN BASE DETAIL
3" = 1'-0"



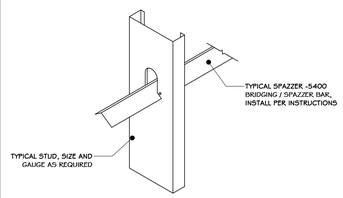
4 WALL TO STOREFRONT FLUSH DETAIL
1 1/2" = 1'-0"



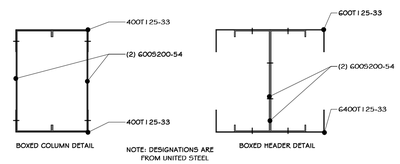
5 U-CHANNEL CLIP DETAIL
1/2" = 1'-0"



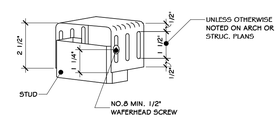
6 GYPSUM BOARD COLUMN COVER
1 1/2" = 1'-0"



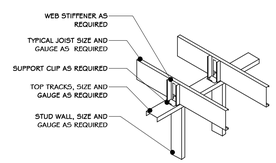
7 STIFFENER DETAIL
3/4" = 1'-0"



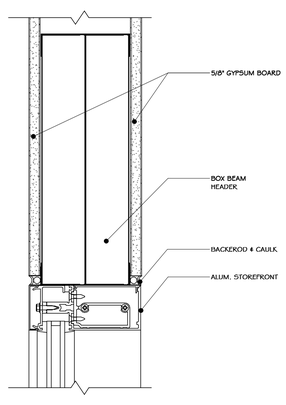
8 BOX BEAM DETAIL
3" = 1'-0"



9 SLIP TRACK DETAIL
3" = 1'-0"

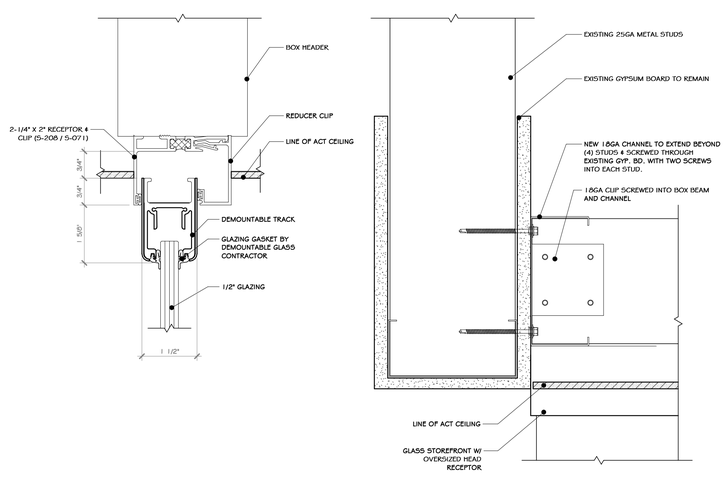


10 WEB STIFFINER DETAIL
1/2" = 1'-0"

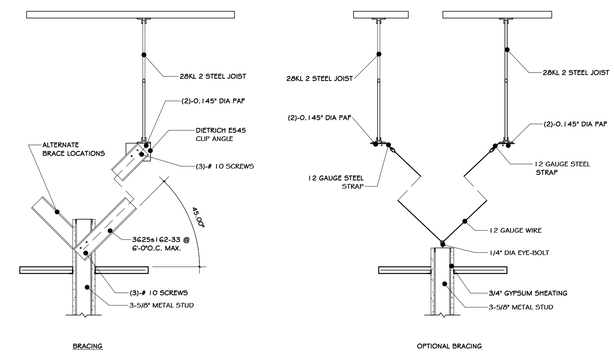


FLUSH DETAIL

11 STOREFRONT HEADER FLUSH DETAIL
3" = 1'-0"



12 STOREFRONT RECEIVER CHANNEL
6" = 1'-0"



13 WALL BRACING AT LAY-IN ACT.
3/4" = 1'-0"

REV	DESCRIPTION	DATE / BY / CHK
D	ISSUED FOR CONSTRUCTION	03-28-22
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	07-06-21 JT KS

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

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ROCKLAND GREEN
MATERIALS RECOVERY FACILITY, FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

METAL FRAMING DETAILS

	BY	DATE			
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN	
CHECKED	ADG	07/06/21	DWG. NO: A-602		D
DESIGNED	ADG	07/06/21			
APPROVED	ADG	07/06/21	CAD FILE:		
APPROVED			SHEET SIZE: D-24x36		REV

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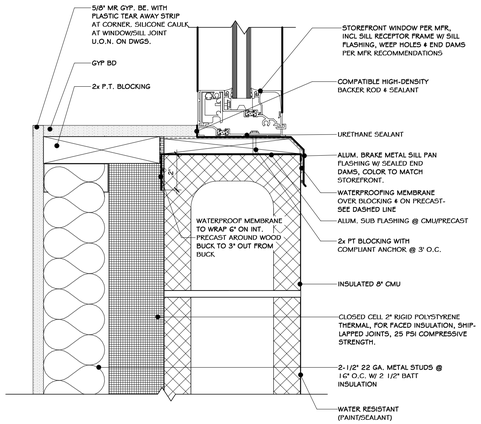
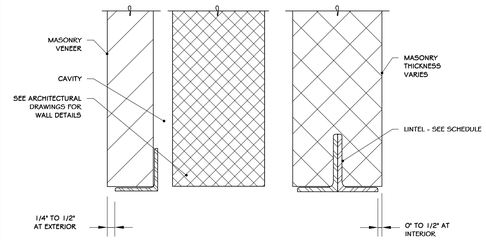
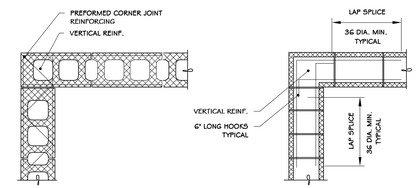


1 CMU SILL DETAIL
3" = 1'-0"



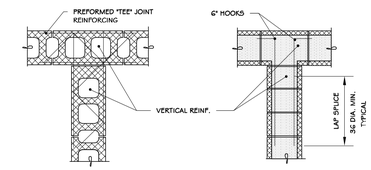
2 DETAIL - MASONRY OPENING HEAD & SILL
3/4" = 1'-0"



NOTES:

1. SIZE OF CORNER BARS TO MATCH BOND BEAM REINFORCING.
2. NORMAL JOINT AND BOND BEAM REINFORCING NOT SHOWN FOR CLARITY.
3. VERTICAL REINFORCING TO EXTEND CONTINUOUSLY THROUGH BOND BEAMS. LAP VERTICALS 48 DIAMETERS ABOVE BOND BEAMS.

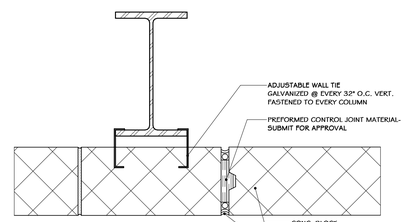
3 DETAIL - MASONRY CORNER REINFORCING
3/4" = 1'-0"



NOTES:

1. SIZE OF INTERSECTION BARS TO MATCH BOND BEAM REINFORCING.
2. NORMAL JOINT AND BOND BEAM REINFORCING NOT SHOWN FOR CLARITY.
3. VERTICAL REINFORCING TO EXTEND CONTINUOUSLY THROUGH BOND BEAMS. LAP VERTICALS 48 DIAMETERS ABOVE BOND BEAMS.

4 DETAIL - MASONRY INTERSECTION
3/4" = 1'-0"

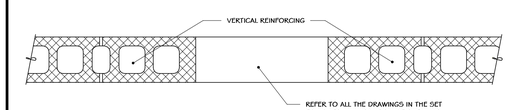


NOTES FOR ALL BEARING WALLS:
LOCATIONS OF CONTROL JOINTS ARE TO BE A MINIMUM OF 24" FROM THE CENTER LINES OF ANY BEAMS OF JOISTS BEARING ON THE WALLS ALL CONTROL JOINTS IN FOUNDATION WALLS TO ALIGN WITH CONTROL JOINT IN MASONRY WALLS

NOTES FOR ALL FIRE BEARING WALLS:

1. USE CONTROL JOINT BLOCK UNITS
2. CONTROL JOINT MATERIAL MUST MAINTAIN REQUIRED FIRE RATING

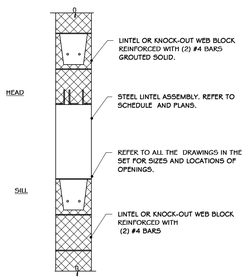
5 BLOCK CONTROL JOINT DETAIL, TYP.
1 1/2" = 1'-0"



NOTES:

1. GROUT FIRST FULL BLOCK SOLID TO UNDERSIDE OF LINTEL ABOVE.
2. INSTALL VERTICAL REINFORCING IN END CELL AWAY FROM OPENING TO AVOID INTERUPTION WHEN STEEL LINTELS ARE SPECIFIED.
3. VERTICAL REINFORCING TO EXTEND CONTINUALLY THROUGH BOND BEAMS. LAP VERTICALS 48 DIAMETERS ABOVE BOND BEAMS.

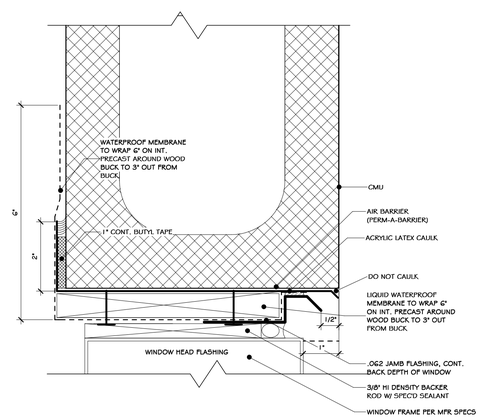
6 DETAIL - MASONRY OPENING
3/4" = 1'-0"

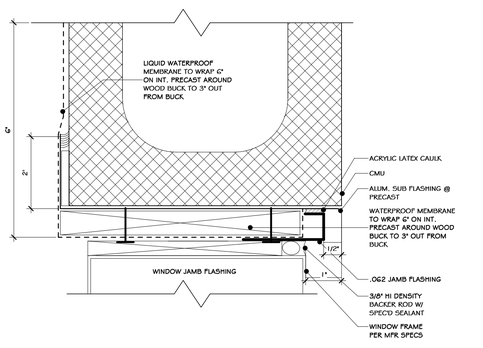


NOTE:

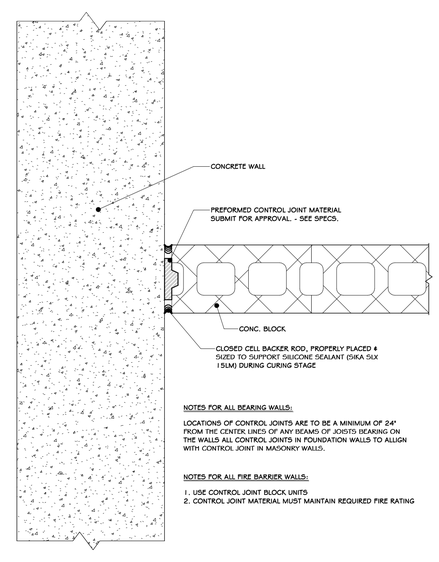
TO DETERMINE PROPER LINTEL TYPE (i.e., MASONRY OR) REFER TO ARCHITECTURAL DRAWINGS FOR HEAD DETAILS AT OPENINGS

7 DETAIL - MASONRY OPENING REINF.
3/4" = 1'-0"





8 EXTERIOR WINDOW JAMB
6" = 1'-0"



NOTES FOR ALL BEARING WALLS:

LOCATIONS OF CONTROL JOINTS ARE TO BE A MINIMUM OF 24" FROM THE CENTER LINES OF ANY BEAMS OF JOISTS BEARING ON THE WALLS ALL CONTROL JOINTS IN FOUNDATION WALLS TO ALLIGN WITH CONTROL JOINT IN MASONRY WALLS.

NOTES FOR ALL FIRE BARRIER WALLS:

1. USE CONTROL JOINT BLOCK UNITS
2. CONTROL JOINT MATERIAL MUST MAINTAIN REQUIRED FIRE RATING

9 CONCRETE-CMU TRANSITION
1 1/2" = 1'-0"

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REV	DESCRIPTION	DATE / BY	CHK
D	ISSUED FOR CONSTRUCTION	10-28-21	
C	ISSUED FOR CONTRACT	08-27-21	
B	REVISED FOR RFP ADDENDUM 6	07-23-07	
A	ISSUED FOR RFP	07-06-21	

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

N.Y. R.A. LICENSE No. _____

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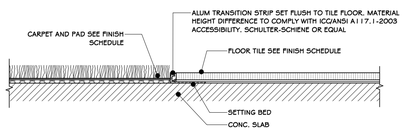
NY COA # 0017967

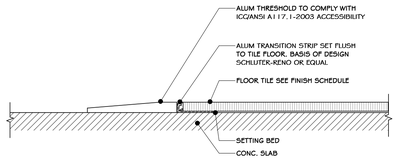
ROCKLAND GREEN
MATERIALS RECOVERY FACILITY, FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

MASONRY DETAILS

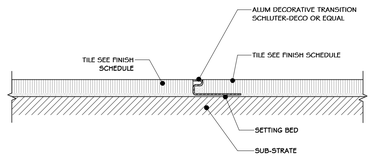
	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-603	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV



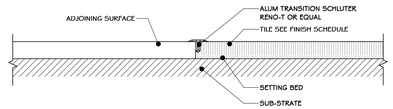
1 SCHIENE FLOOR TRANSITION DETAIL
6" = 1'-0"



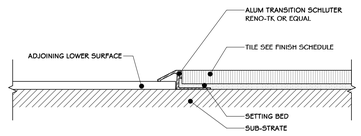
2 RENO FLOOR TILE THRESHOLD DET.
6" = 1'-0"



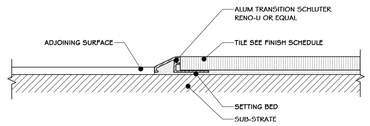
3 DECO TRANSITION DETAIL
6" = 1'-0"



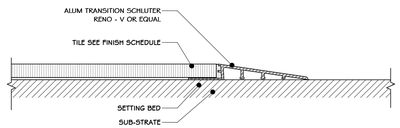
4 RENO-T TRANSITION DETAIL
6" = 1'-0"



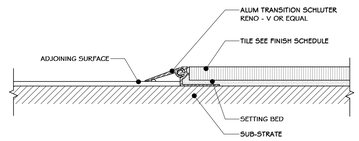
5 RENO-TK TRANSITION DETAIL
6" = 1'-0"



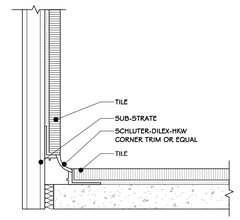
6 RENO-U TRANSITION DETAIL
6" = 1'-0"



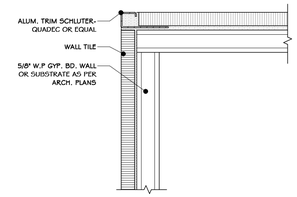
7 RENO-RAMP DETAIL
6" = 1'-0"



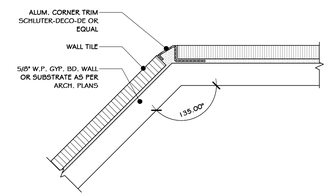
8 RENO-V TRANSITION DETAIL
6" = 1'-0"



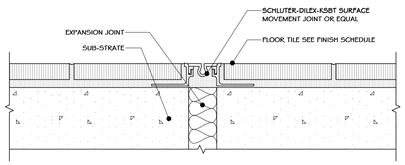
9 DILEX-HK CORNER TRIM DETAIL
6" = 1'-0"



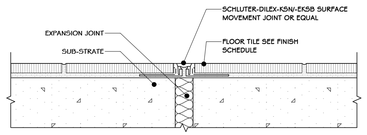
10 QUADEC TRIM DETAIL
6" = 1'-0"



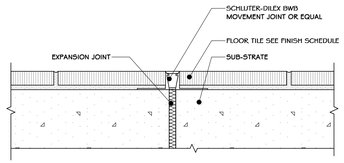
11 DECO-DE CORNER TRIM DETAIL
6" = 1'-0"



12 DILEX-KSBT MOVEMENT JOINT DETAIL
6" = 1'-0"



13 DILEX-KSN OR EKSB MOVEMENT DETAIL
6" = 1'-0"



14 DILES-BWS MOVEMENT JOINT DETAIL
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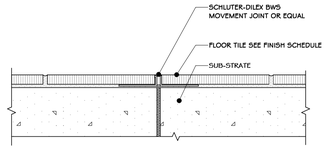

15 DILEX-BWB MOVEMENT JOINT DETAIL
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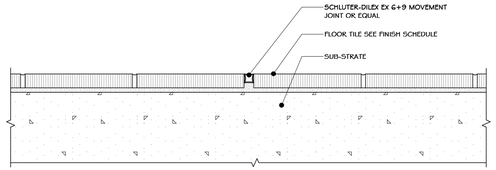
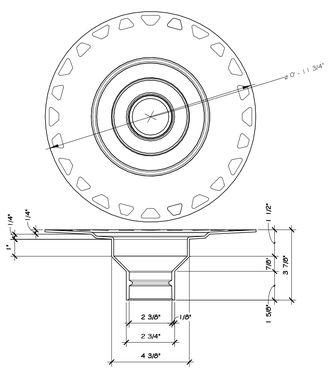
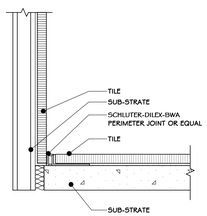


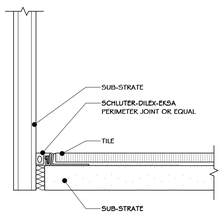
16 DILEX EX 6+9 MOVEMENT JOINT DETAIL
6" = 1'-0"



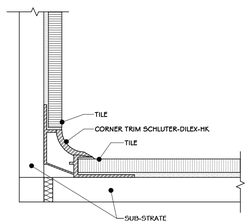
21 KERDI FLOOR DRAIN
3" = 1'-0"



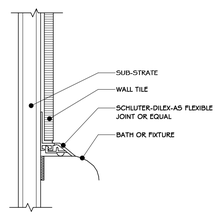
17 DILEX-EKE PERIMETER JOINT DETAIL
6" = 1'-0"



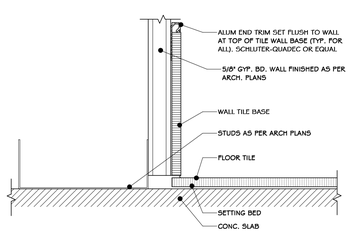
18 DILEX-EKSA PERIMETER JOINT DETAIL
6" = 1'-0"



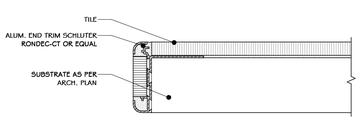
19 DILEX HKW CORNER TRIM DETAIL
6" = 1'-0"



20 DILEX-AS FLEXIBLE JOINT DETAIL
6" = 1'-0"



22 QUADDEC BASE TRIM DETAIL
6" = 1'-0"



23 RODEC-STEP COUNTER EDGE DETAIL
6" = 1'-0"

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D	ISSUED FOR CONSTRUCTION	03-28-22	
C	ISSUED FOR CONTRACT	08-27-21	
B	REVISED FOR RFP ADDENDUM 6	07-23-21	
A	ISSUED FOR RFP	07-06-21	JAS

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Rockland Green
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FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

TILE SCHLUTER DETAIL

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-604	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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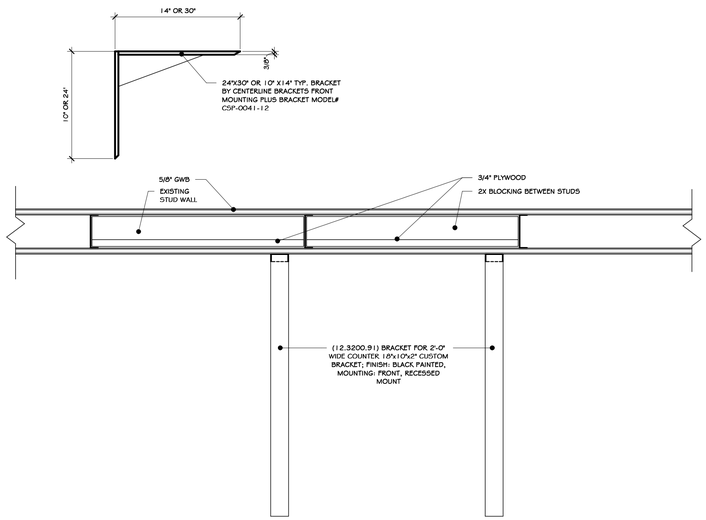
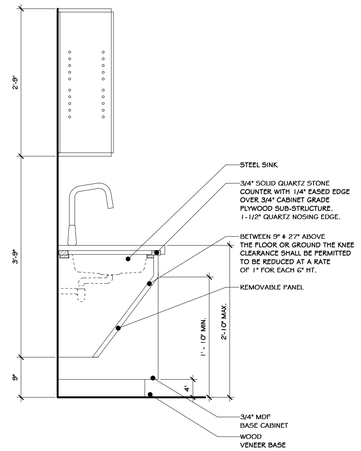
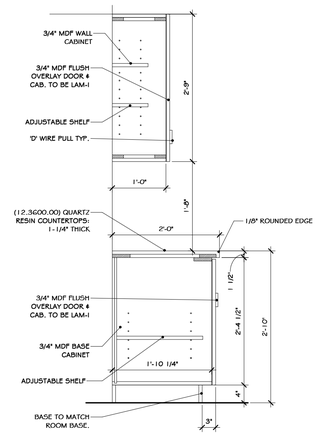


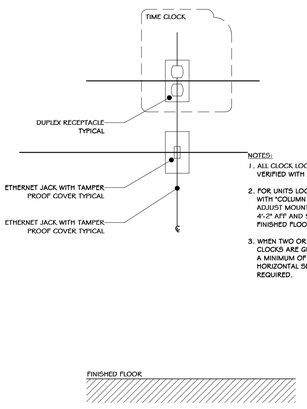
1 WALL FRAMING WITH BLOCKING
1 1/2" = 1'-0"



2 SECTION DETAIL
3/4" = 1'-0"



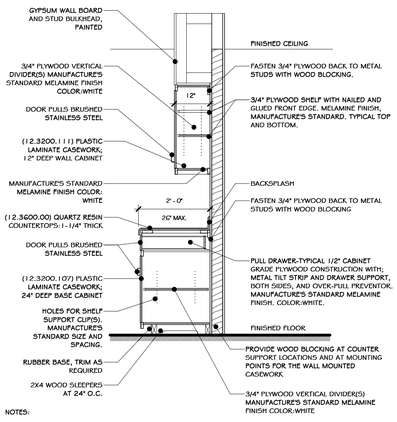
3 TYPICAL CABINET SECTION
3/4" = 1'-0"



NOTES:

1. ALL CLOCK LOCATIONS MUST BE VERIFIED WITH ARCHITECT.
2. FOR UNITS LOCATED AT COLUMNS WITH "COLUMN PROTECTION" ADJUST MOUNTING HEIGHTS TO 4'-2" AFF AND 5'-2" ABOVE FINISHED FLOOR.
3. WHEN TWO OR MORE TIME CLOCKS ARE GROUPED TOGETHER, A MINIMUM OF 3'-0" PHYSICAL HORIZONTAL SEPARATION IS REQUIRED.

4 TIME CLOCK RECEPTACLES ELEVATION
1" = 1'-0"

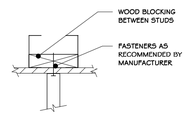


NOTES:

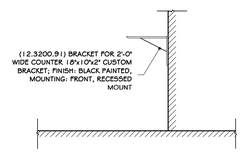
1. ROUND ALL CORNERS 1/8" RADIUS.
2. APPLY PLASTIC LAMINATE TO ALL EXPOSED MILLWORK SURFACES UNLESS NOTED OTHERWISE IN SPECS.

(12.3200.102) PLASTIC LAMINATE KITCHENETTE CASEWORK

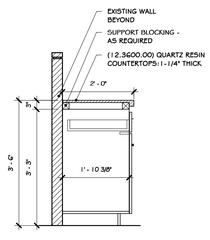
5 KITCHENETTE SECTION
1/2" = 1'-0"



6 COUNTER BRACKET/ BLOCKING
1 1/2" = 1'-0"



7 BRACKET BY CENTERLINE BRACKETS
1/2" = 1'-0"



8 BASE CABINET SECTION
1/2" = 1'-0"

REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION		10-28-21
C	ISSUED FOR CONTRACT		08-27-21
B	REVISED FOR RFP ADDENDUM 6		07-23-21
A	ISSUED FOR RFP		07-06-21

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

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MATERIALS RECOVERY FACILITY,
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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

MILLWORK DETAILS

	BY	DATE			
DRAWN	JDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN	
CHECKED	ADG	07/06/21	DWG. NO: A-605		D
DESIGNED	ADG	07/06/21			
APPROVED	ADG	07/06/21	CAD FILE:		
APPROVED			SHEET SIZE: D-24x36		REV

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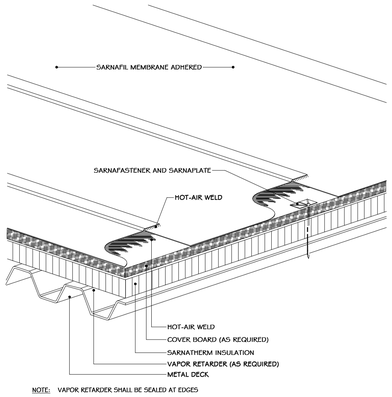
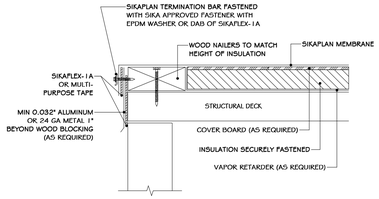


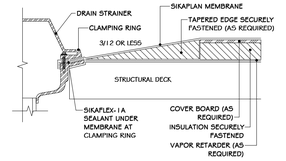
NOTE: VAPOR RETARDER SHALL BE SEALED AT EDGES

1 ADHERED SYSTEM
3" = 1'-0"



NOTES:
1) WOOD NAILERS OR WOOD BLOCKING FOR PENETRATIONS, CURBS, OR SNOW PROTECTION SYSTEMS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF THE ROOF MEMBRANE WHENEVER POSSIBLE.
2) VAPOR RETARDER SHALL BE SEALED AT EDGES.
3) INSTALL TERMINATION BAR WITH A 1/4" GAP BETWEEN ADJOINING SECTIONS.
4) TERMINATION BAR MUST BE CUT AT INSIDE AND OUTSIDE CORNERS. DO NOT BEND AROUND CORNERS.
5) TERMINATION BAR MUST BE FASTENED WITHIN 1" MAX. OF EACH BAR END.
6) NOT FOR USE AT GUTTERS.
7) THIS DETAIL ONLY QUALIFIES FOR SIKAPLAN SYSTEM WARRANTIES.

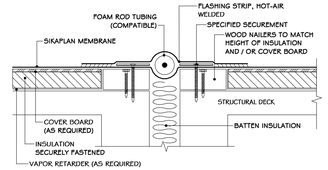
2 SIKAPLAN EDGE DETAIL WITH WOOD BLOCKING
6" = 1'-0"



NOTES:
1) EXISTING DRAIN BOWL, CLAMPING RING, AND DRAIN ACCESSORIES ARE TO BE CLEANED FREE OF ALL CONTAMINATES.
2) SARNAFIL G 459 MEMBRANE MUST BE USED IN AREAS OF ASPHALT CONTAMINATION.
3) VAPOR RETARDER SHALL BE SEALED AT EDGES.
4) FIELD SEAMS ARE NOT ALLOWED IN DRAIN SUMP.
5) FOR SUMPS GREATER THAN 3/12 REFER TO STEEP SUMP TECH BULLETINS.
6) THIS DETAIL ONLY QUALIFIES FOR SIKAPLAN SYSTEM WARRANTIES.

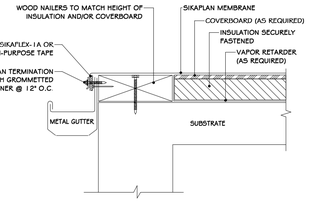
SIKAPLAN ROOF DRAIN DETAIL

3 SIKAPLAN ROOF DRAIN DETAIL
6" = 1'-0"



NOTES:
1) WOOD NAILERS OR WOOD BLOCKING FOR PENETRATIONS, CURBS, OR SNOW PROTECTION SYSTEM SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF THE ROOF MEMBRANE WHENEVER POSSIBLE.
2) VAPOR RETARDER SHALL BE SEALED AT EDGES.
3) THIS DETAIL ONLY QUALIFIES FOR SIKAPLAN SYSTEM WARRANTIES.

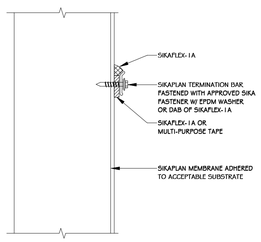
4 SIKAPLAN EXPANSION JOINT
6" = 1'-0"



NOTES:
1) WOOD NAILERS OR WOOD BLOCKING FOR PENETRATIONS, CURBS, OR SNOW PROTECTION SYSTEMS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF THE ROOF MEMBRANE WHENEVER POSSIBLE.
2) VAPOR RETARDER SHALL BE SEALED AT EDGES.
3) PLACE METAL DOWN FACE OF WALL TO EXTEND PAST WOOD NAILER(S), COVERING WOOD NAILER(S) COMPLETELY.
4) THIS DETAIL ONLY QUALIFIES FOR SIKAPLAN SYSTEM WARRANTIES.

SIKAPLAN GUTTER EDGE

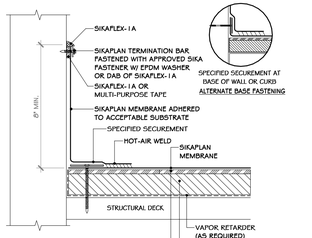
5 SIKAPLAN GUTTER EDGE
6" = 1'-0"



NOTES:
1) INSTALL TERMINATION BAR WITH A 1/4" GAP BETWEEN ADJOINING SECTIONS.
2) TERMINATION BAR MUST BE CUT AT INSIDE AND OUTSIDE CORNERS. DO NOT BEND AROUND CORNERS.
3) TERMINATION BAR MUST BE FASTENED WITHIN 1" MAX. OF EACH BAR END.
4) WALLS EXCEEDING 45" IN HEIGHT WILL REQUIRE ADDITIONAL FASTENING.
- WALLS 45"- 60" TERMINATION BAR FASTENED 12" O.C. AT THE MIDPOINT.
- WALLS HIGHER THEN 60" CONTACT SIKA'S TECHNICAL DEPARTMENT.
6) THIS DETAIL ONLY QUALIFIES FOR SIKAPLAN SYSTEM WARRANTIES.

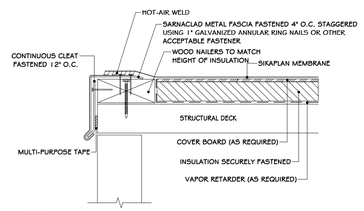
SIKAPLAN HIGHWALL FLASHING

6 SIKAPLAN HIGHWALL FLASHING
6" = 1'-0"



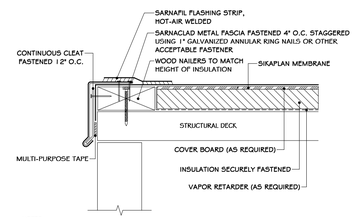
NOTES:
1) INSTALL TERMINATION BAR WITH A 1/4" GAP BETWEEN ADJOINING SECTIONS.
2) TERMINATION BAR MUST BE CUT AT INSIDE AND OUTSIDE CORNERS. DO NOT BEND AROUND CORNERS.
3) TERMINATION BAR MUST BE FASTENED WITHIN 1" MAX. OF EACH BAR END.
4) FOR USE ON SMOOTH / SOLID CONCRETE OR MASONRY WALLS, NOT TO BE USED ON WOOD.
5) THIS DETAIL ONLY QUALIFIES FOR SIKAPLAN SYSTEM WARRANTIES.
6) SEALANT IS A MAINTENANCE ITEM AND IS NOT COVERED UNDER THE SIKAPLAN WARRANTY.

7 SIKAPLAN PARAPET WALL TERMINATION
6" = 1'-0"



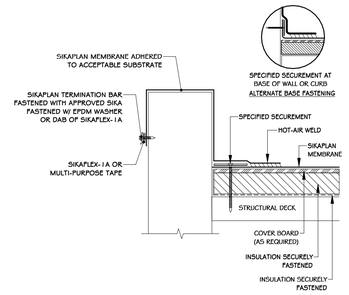
NOTES:
1) WOOD NAILERS OR WOOD BLOCKING FOR PENETRATIONS, CURBS, OR SNOW PROTECTION SYSTEMS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF THE ROOF MEMBRANE WHENEVER POSSIBLE.
2) VAPOR RETARDER SHALL BE SEALED AT EDGES.
3) CONTINUOUS CLEAT IS REQUIRED IF FACE DIMENSION OF FASCIA EXCEEDS 3".
4) FACE DIMENSION OF FASCIA SHALL BE A MINIMUM OF 3" OR AS OTHERWISE REQUIRED TO EXTEND A MINIMUM OF 1-1/2" BELOW BOTTOM OF WOOD NAILER.
5) THE HORIZONTAL FLANGE OF FASCIA SHALL BE A MINIMUM OF 4" WIDE.
6) FASCIA MAY BE FORMED WITH A OPTIONAL WATER DAM/GRAVEL STOP.
7) NAILS USED TO ATTACH EITHER THE CONTINUOUS CLEAT OR FASCIA SHALL PENETRATE THE NAILER A MINIMUM OF 1-1/2". SCREWS SHALL PENETRATE A MINIMUM OF 1".
8) THIS DETAIL ONLY QUALIFIES FOR SIKAPLAN SYSTEM WARRANTIES.

8 SIKAPLAN ROOF EDGE DETAIL
6" = 1'-0"



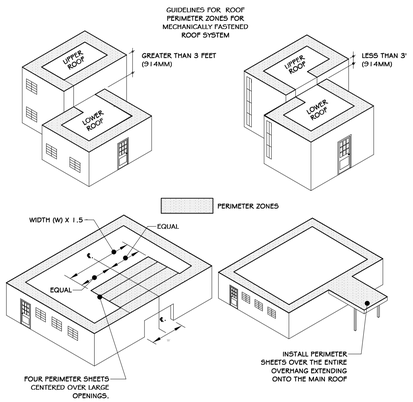
NOTES:
1) WOOD NAILERS OR WOOD BLOCKING FOR PENETRATIONS, CURBS, OR SNOW PROTECTION SYSTEMS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF THE ROOF MEMBRANE WHENEVER POSSIBLE.
2) VAPOR RETARDER SHALL BE SEALED AT EDGES.
3) CONTINUOUS CLEAT IS REQUIRED IF FACE DIMENSION OF FASCIA EXCEEDS 3".
4) FACE DIMENSION OF FASCIA SHALL BE A MINIMUM OF 3" OR AS OTHERWISE REQUIRED TO EXTEND A MINIMUM OF 1-1/2" BELOW BOTTOM OF WOOD NAILER.
5) THE HORIZONTAL FLANGE OF FASCIA SHALL BE A MINIMUM OF 4" WIDE.
6) FASCIA MAY BE FORMED WITH A OPTIONAL WATER DAM/GRAVEL STOP.
7) NAILS USED TO ATTACH EITHER THE CONTINUOUS CLEAT OR FASCIA SHALL PENETRATE THE NAILER A MINIMUM OF 1-1/2". SCREWS SHALL PENETRATE A MINIMUM OF 1".

9 SIKAPLAN SARNACLAD METAL EDGE
6" = 1'-0"

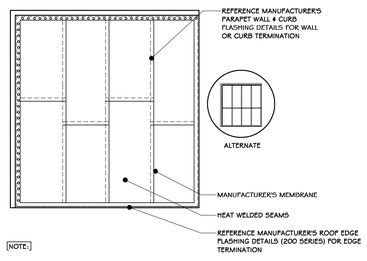


NOTES:
1) INSTALL TERMINATION BAR WITH A 1/4" GAP BETWEEN ADJOINING SECTORS.
2) TERMINATION BAR MUST BE CUT AT INSIDE AND OUTSIDE CORNERS. DO NOT AROUND CORNERS.
3) TERMINATION BAR MUST BE FASTENED WITHIN 1" MAX OF EACH BAR END.
4) SEALANT IS A MAINTENANCE ITEM AND IS NOT COVERED UNDER SIKAPLAN WARRANTIES.
5) THIS DETAIL ONLY QUALIFIES FOR SIKAPLAN SYSTEM WARRANTIES.

10 SIKAPLAN WALL/EDGE TERMINATION
6" = 1'-0"



11 ROOF PERIMETER ZONES
3" = 1'-0"



NOTE:
1. SEE MANUFACTURER'S FULLY ADHERED OR BALLAST ATTACHED SYSTEM GUIDELINES IN SPEC MANUAL TO DETERMINE PERIMETER AND PENETRATION FASTENER SPACING FOR VARIOUS DECK TYPES AND WIND UPLIFT REQUIREMENTS.

12 ROOF MEMBRANE LAYOUT
3/4" = 1'-0"

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D	ISSUED FOR CONSTRUCTION	03-18-22		
C	ISSUED FOR CONTRACT	08-27-21		
B	REVISED FOR RFP ADDENDUM 6	07-23-21		
A	ISSUED FOR RFP	07-06-21	JAS	

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Rockland Green

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MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
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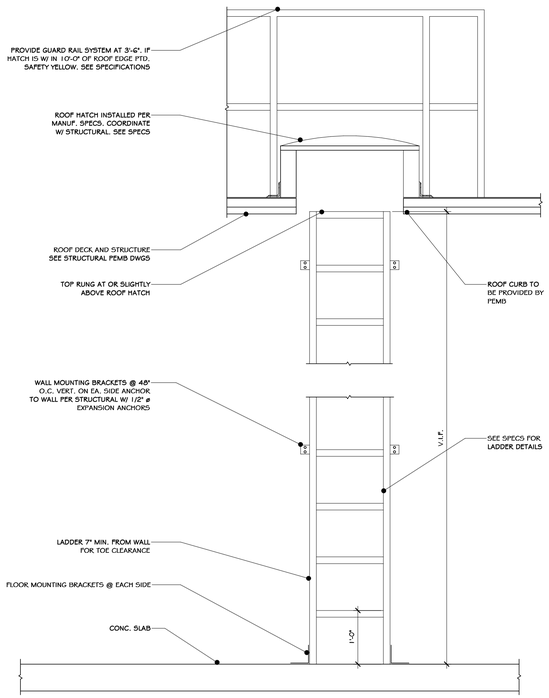
ROOFING DETAILS

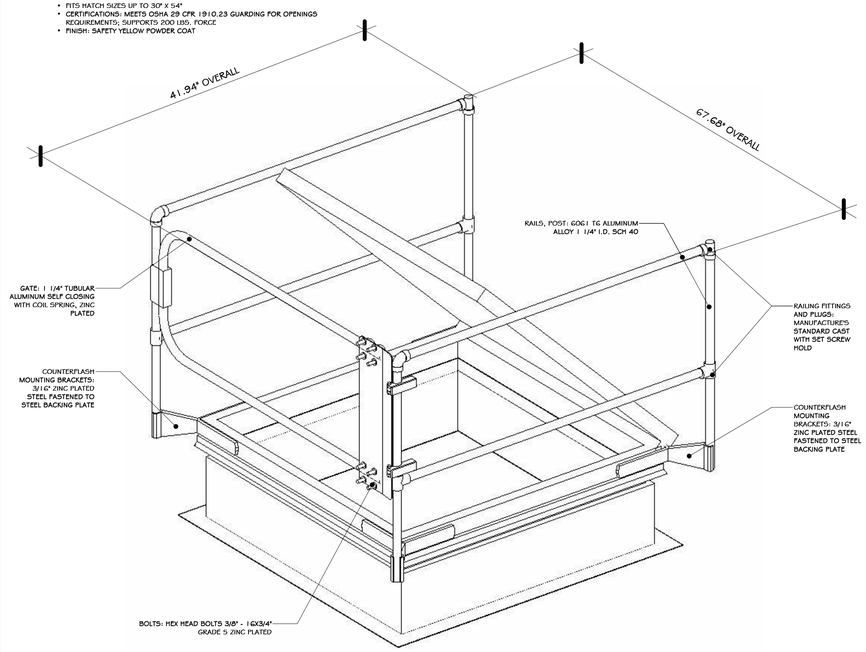
	BY	DATE			
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN	
CHECKED	ADG	07/06/21	DWG. NO: A-606		D
DESIGNED	ADG	07/06/21	CAD FILE:		
APPROVED	ADG	07/06/21			
APPROVED			SHEET SIZE: D-24x36		REV



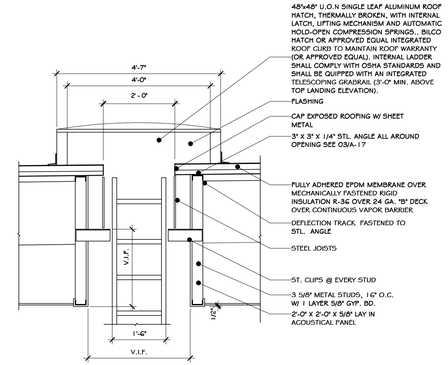
1 ROOF HATCH LADDER DETAIL
3/4" = 1'-0"

NOTE:

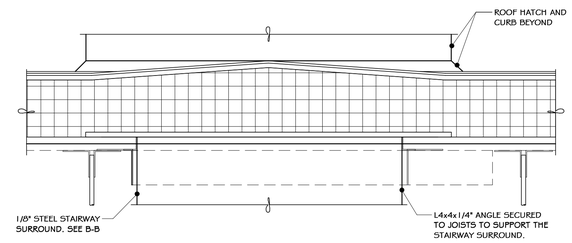
- FITS HATCH SIZES UP TO 30" X 54"
- CERTIFICATIONS: MEETS OSHA 29 CFR 1910.23 GUARDING FOR OPENINGS REQUIREMENTS; SUPPORTS 200 LBS. FORCE
- FINISH: SAFETY YELLOW POWDER COAT



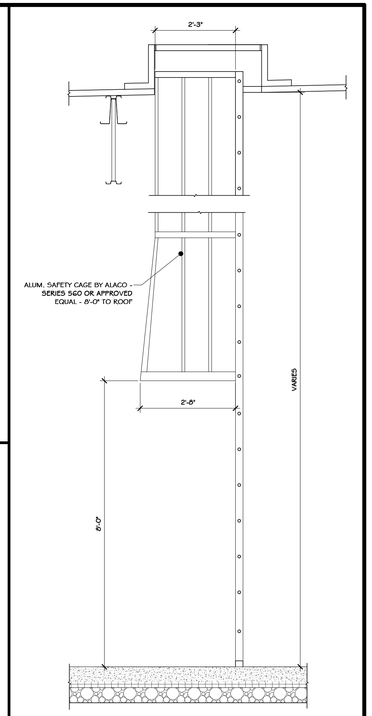
2 ROOF HATCH CAGE DETAIL
1" = 1'-0"



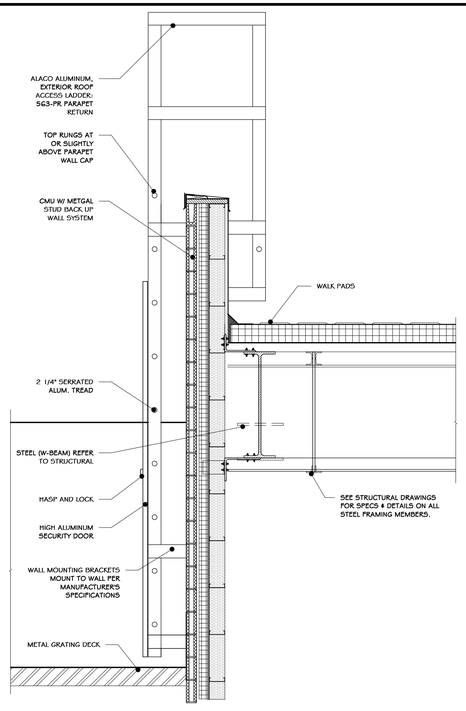
3 SCUTTLE LADDER ELEVATION
1/2" = 1'-0"



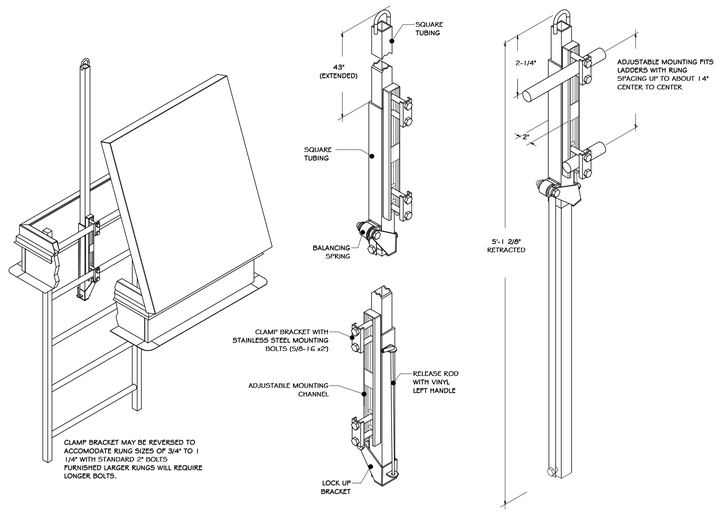
4 ROOF HATCH DETAIL
1 1/2" = 1'-0"



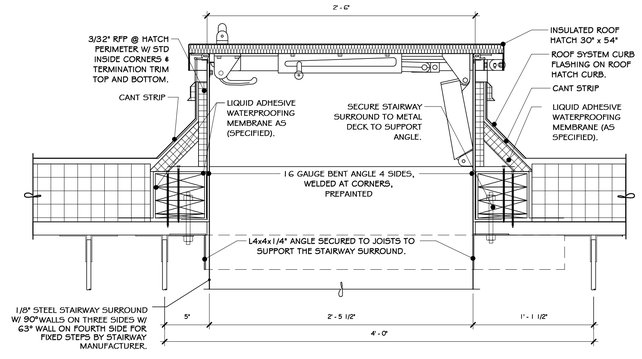
5 SCUTTLE LADDER DETAIL
1/2" = 1'-0"



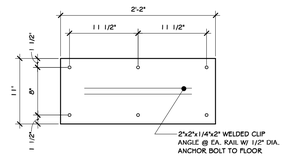
6 ROOF ACCESS LADDER DETAIL @ MASONRY, TYP.
1/16" = 1'-0"



7 LADDER UP SAFETY POST DET.
3/4" = 1'-0"



8 ROOF HATCH DETAILS - SEE SPECIFICATIONS
1 1/2" = 1'-0"



9 SCUTTLE LADDER BASE
1" = 1'-0"

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ROOF LADDER DETAILS

REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION	JD	10-28-21
C	ISSUED FOR CONTRACT	JD	08-27-21
B	REVISED FOR RFP ADDENDUM 6	JD	07-29-21
A	ISSUED FOR RFP	JD	07-06-21

	BY	DATE		
DRAWN	JDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-607	D
DESIGNED	ADG	07/06/21	CAD FILE:	
APPROVED	ADG	07/06/21		
APPROVED			SHEET SIZE: D-24x36	REV

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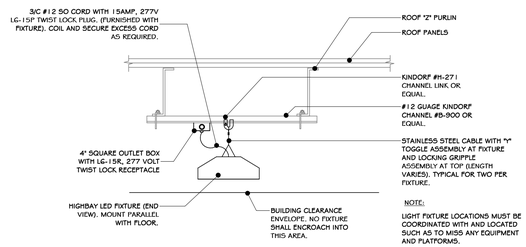
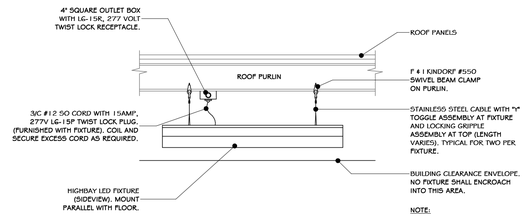


NOTE:

LIGHT FIXTURE LOCATIONS MUST BE COORDINATED WITH AND LOCATED SUCH AS TO MISS ANY EQUIPMENT AND PLATFORMS.

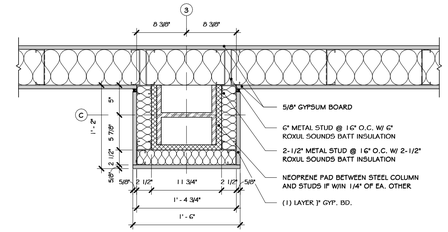
1 LIGHTING MOUNTED TO CHANNEL
3/4" = 1'-0"



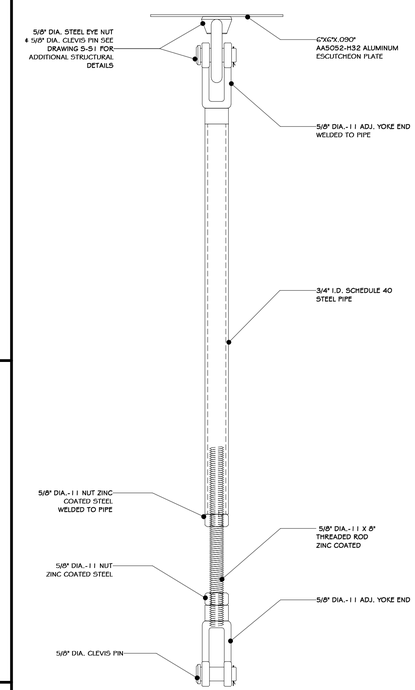
NOTE:

LIGHT FIXTURE LOCATIONS MUST BE COORDINATED WITH AND LOCATED SUCH AS TO MISS ANY EQUIPMENT AND PLATFORMS.

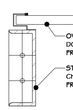
2 LIGHTING MOUNTED FROM PURLIN
3/4" = 1'-0"



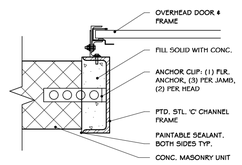
3 COLUMN-WALL COVERING DETAIL
1" = 1'-0"



7 HANGER ROD ASSEMBLY
1 1/2" = 1'-0"

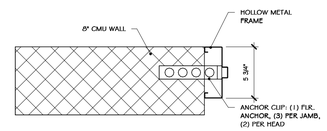


4 OVERHEAD DOOR JAMB DET. 2
1 1/2" = 1'-0"

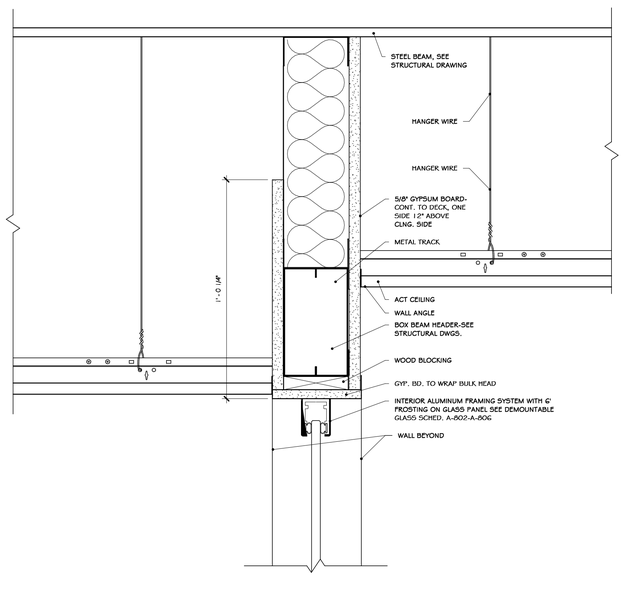


NOTE: NEEDLE CAULK ENTIRE PERIMETER (HEAD & JAMBS)

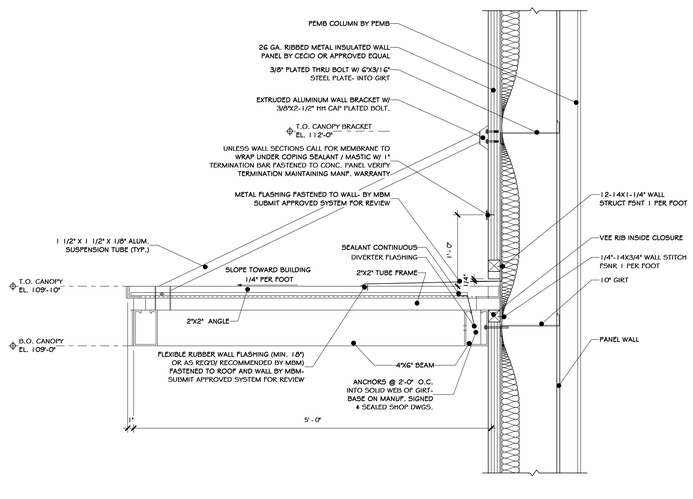
5 OVERHEAD DOOR JAMB DET. 1
1 1/2" = 1'-0"



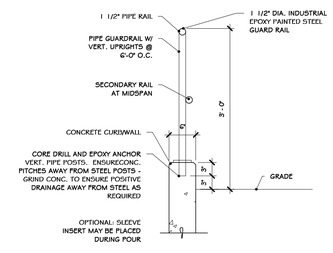
6 6 INCH METAL JAMB DETAIL
1 1/2" = 1'-0"



8 SECTION @ RAISED BULKHEAD
3" = 1'-0"



9 CANOPY CONN. DETAIL
1" = 1'-0"



10 DETAIL - INDUSTRIAL GUARD RAIL TYP.
3/4" = 1'-0"

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NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

COMMERCIAL DETAILS

REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION	RAJ	03-28-22
C	ISSUED FOR CONTRACT	RAJ	03-27-22
B	REVISED FOR RFP ADDENDUM 6	RAJ	07-23-21
A	ISSUED FOR RFP	RAJ	07-06-21

	BY	DATE		
DRAWN	REA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ABG	07/06/21	DWG. NO: A-608	D
DESIGNED	ABG	07/06/21	CAD FILE:	
APPROVED	ABG	07/06/21		
APPROVED			SHEET SIZE: D-24x36	REV

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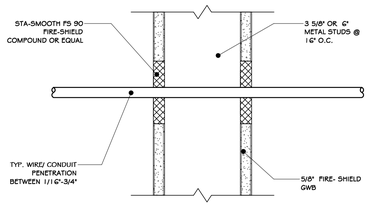
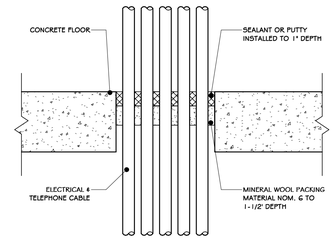
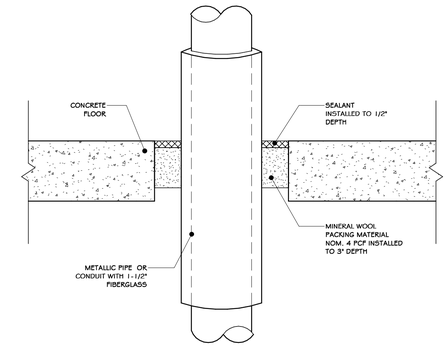
fax: 631-756-1064



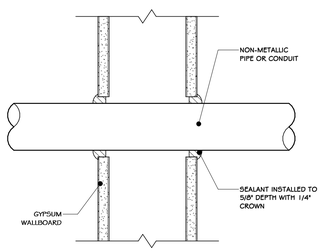
1 CONDUIT PENETRATION THROUGH
3" = 1'-0"



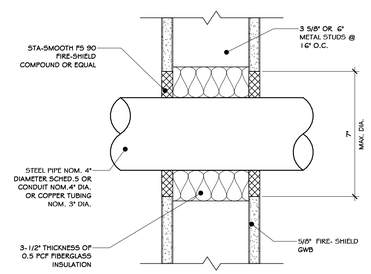
2 ELECTRICAL-TELEPHONE DATA CABLE
3" = 1'-0"



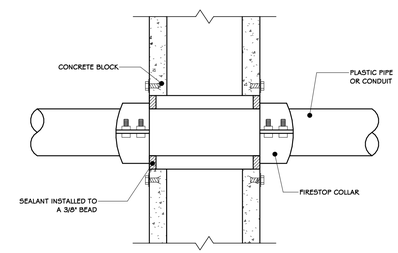
3 METALLIC PIPE- FIBERGLASS INSULATION - CONC. FLR.
3" = 1'-0"



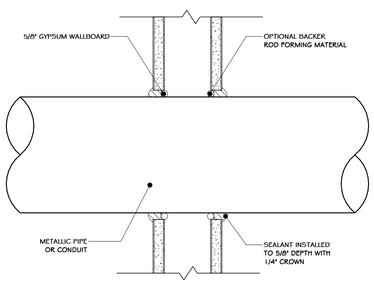
4 SMALL NON-METALLIC SUPPLY CONDUIT
3" = 1'-0"



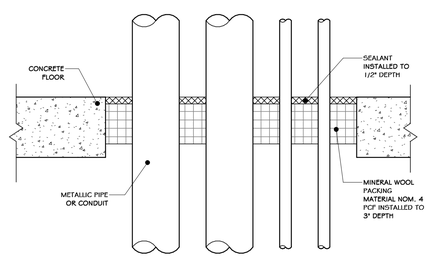
5 STEEL PIPE PENETRATION
3" = 1'-0"



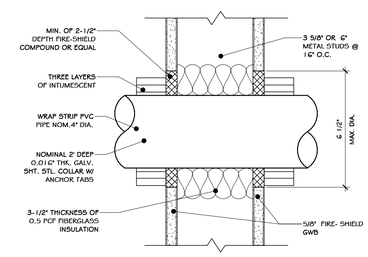
6 NON METALLIC SUPPLY CONDUIT
3" = 1'-0"



7 METALLIC PIPE-GYPSUM WALLBOARD
3" = 1'-0"



8 MULTIPLE PIPES-CONDUITS CONC. FLR.
3" = 1'-0"



9 PVC PIPE PENETRATION THROUGH TEST
3" = 1'-0"

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D	ISSUED FOR CONSTRUCTION	10-28-21		
C	ISSUED FOR CONTRACT	08-27-21		
B	REVISED FOR RFP ADDENDUM 6	07-23-21		
A	ISSUED FOR RFP	07-06-21		

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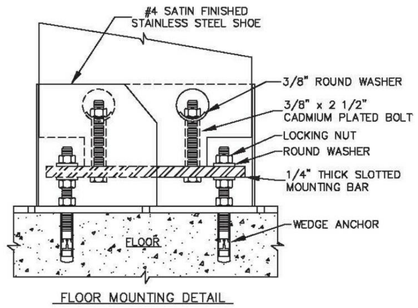
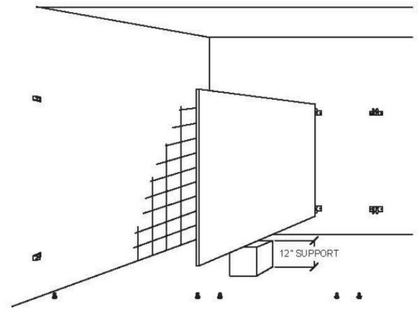
CONDUIT DETAILS

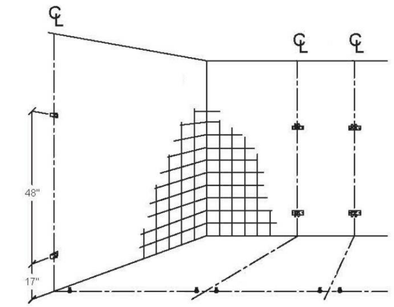
	BY	DATE			
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN	
CHECKED	ADG	07/06/21	DWG. NO: A-609		D
DESIGNED	ADG	07/06/21			
APPROVED	ADG	07/06/21	CAD FILE:		
APPROVED			SHEET SIZE: D-24x36		REV



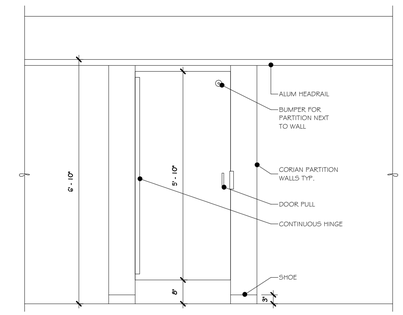
1 PILASTER INSTALLATION
1 1/2" = 1'-0"



2 PANEL POSITION
1/2" = 1'-0"

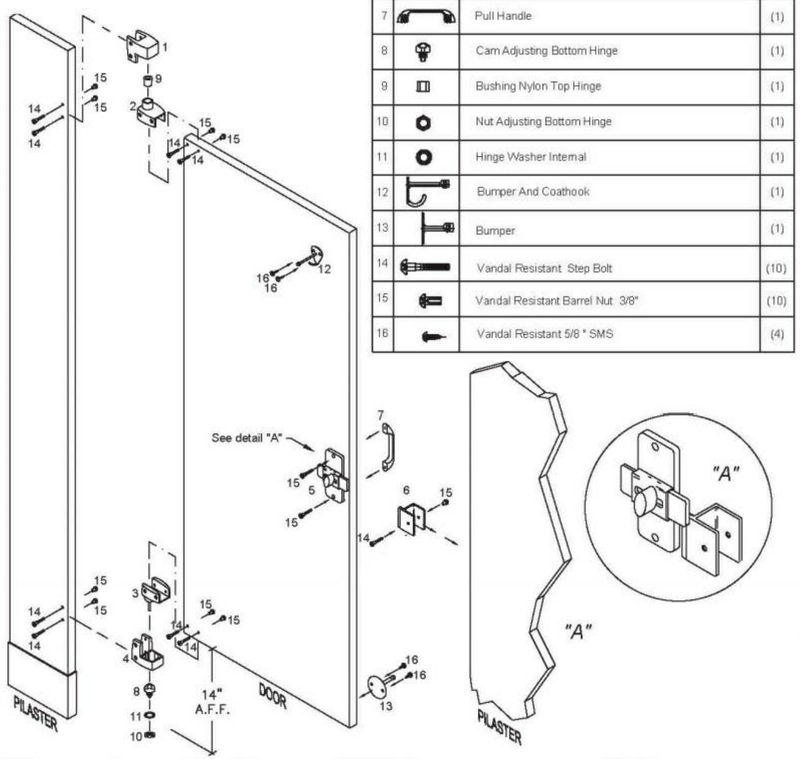


3 WALL BRACKETS AND FLOOR ANCHORS
1/2" = 1'-0"



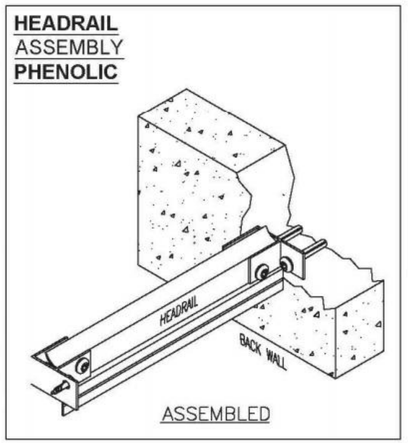
4 OUTSIDE ELEV. OF OUTSWING PARTITION
1/2" = 1'-0"

Outswing Door Hardware Kit (P/N 8571006) Includes: Brushed Finish		
PART ID.	DESCRIPTION	QTY
1	Vault Hinge Top Pilaster Side	(1)
2	Vault Hinge Top Door Side	(1)
3	Vault Hinge Bottom Door Side	(1)
4	Vault Hinge Bottom Pilaster Side	(1)
5	Side Latch Brushed Finish	(1)
6	Outswing Slide Latch Keeper	(1)
7	Pull Handle	(1)
8	Cam Adjusting Bottom Hinge	(1)
9	Bushing Nylon Top Hinge	(1)
10	Nut Adjusting Bottom Hinge	(1)
11	Hinge Washer Internal	(1)
12	Bumper And Coathook	(1)
13	Bumper	(1)
14	Vandal Resistant Step Bolt	(10)
15	Vandal Resistant Barrel Nut 3/8"	(10)
16	Vandal Resistant 5/8 " SMS	(4)



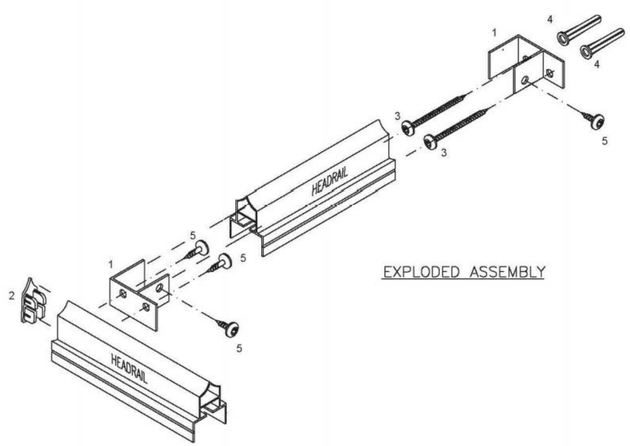
5 ASSEMBLY-VAULT HINGE-OUTSWING
1/2" = 1'-0"

HEADRAIL ASSEMBLY PHENOLIC



ASSEMBLED

Headrail Hardware Kit (P/N 8448100) Includes:		
PART ID.	DESCRIPTION	QTY
1	Headrail Satin "F" Zamac Bracket	(2)
2	Headrail Cap Satin Zamac	(1)
3	Vandal Resistant S/S #14 x 2 1/2" S.M.S	(2)
4	Plastic Shield 14/16 x 1-1/2"	(2)
5	Vandal Resistant 5/8" S.M.S	(4)



EXPLODED ASSEMBLY

6 HEADRAIL ASSEMBLY
1/2" = 1'-0"

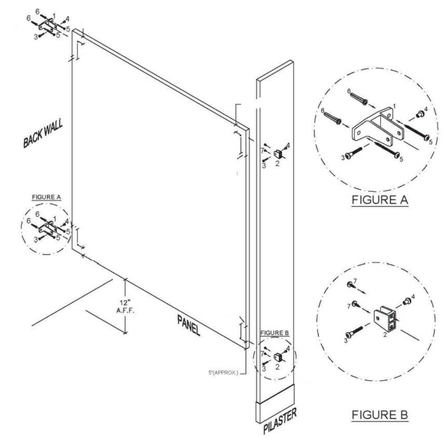


FIGURE A

FIGURE B

7 PANEL TO PILASTER/WALL
1/2" = 1'-0"

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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

TOILET PARTITION DETAILS-TYPE 1

	BY	DATE			
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN	
CHECKED	ADG	07/06/21	DWG. NO: A-610		D
DESIGNED	ADG	07/06/21			
APPROVED	ADG	07/06/21	CAD FILE:		
APPROVED			SHEET SIZE: D-24x36		REV

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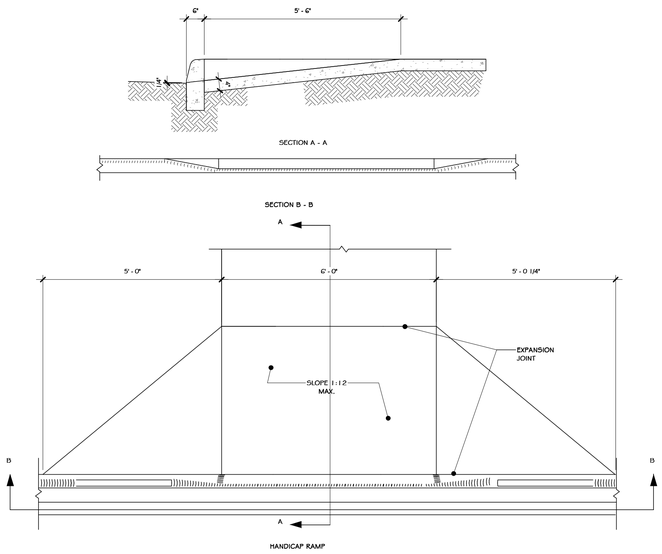
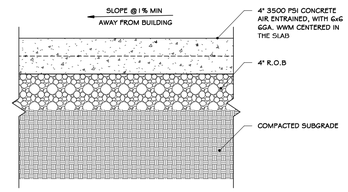


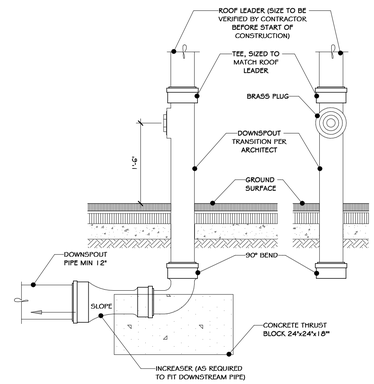
1 RAMP DETAIL
1/2" = 1'-0"



NOTES:

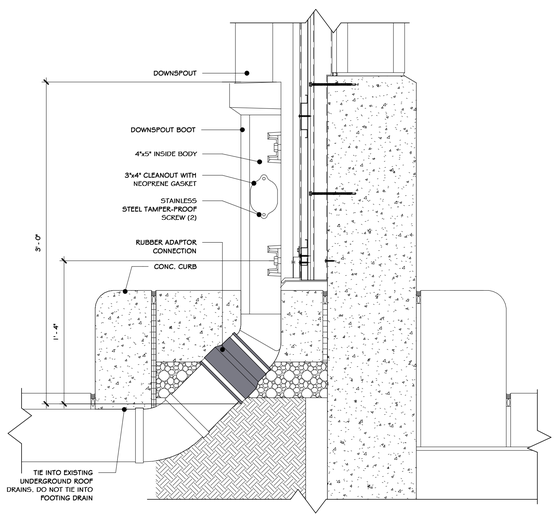
1. FINISH TO BE BROOM FINISH AT 90° AT EACH SUCCEEDING SLAB.
2. JOINTER TO BE 1" DEEP. JOINT SPACING SHALL BE EQUAL TO WIDTH OF WALK FOR SPACING.
3. INSTALL 1/2" PRE-MOLDED EXPANSION JOINT@24" O.C. AND WHERE SIDEWALK IS AGAINST CONCRETE CURBS, BUILDINGS, AND OTHER STRUCTURES.

2 SIDEWALK DETAIL
1 1/2" = 1'-0"

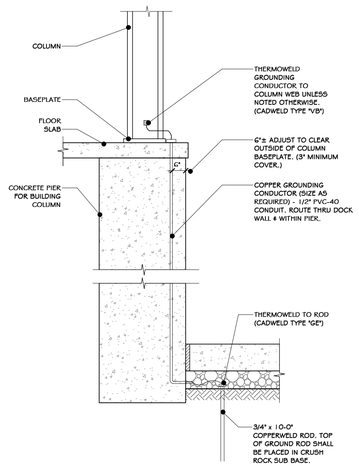


NOTES:
1. MATERIAL SHALL BE DUCTILE IRON.
2. CONCEPT SHOWN FOR REFERENCE ONLY. PROVIDE NEENAH FOUNDRY R-4929 OR EQUAL.

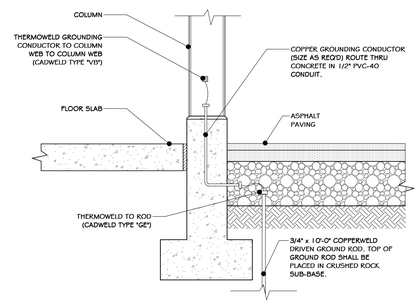
3 3 ROOF LEADER BOOT
3/4" = 1'-0"



4 ANGULAR DOWNSPOUT BOOT-ALTERNATIVE
1 1/2" = 1'-0"



5 GROUND DET.-RAISED FLR. SLAB
3/4" = 1'-0"



6 GROUNDING DETAIL
3/4" = 1'-0"

REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION		10-28-21
C	ISSUED FOR CONTRACT		08-27-21
B	REVISED FOR RFP ADDENDUM 6		07-23-21
A	ISSUED FOR RFP	JG	01-06-21

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SITE DETAILS

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-611	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

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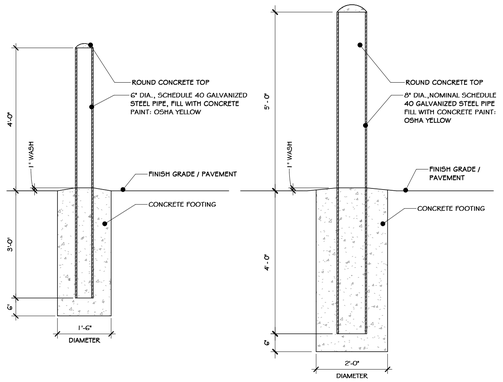
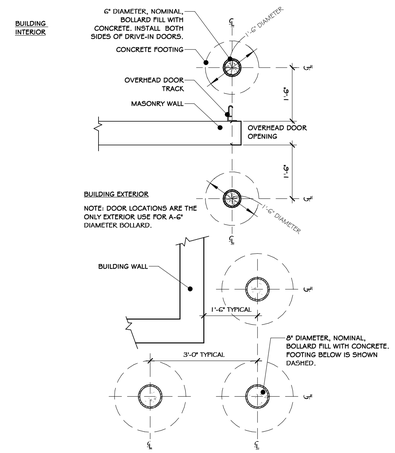
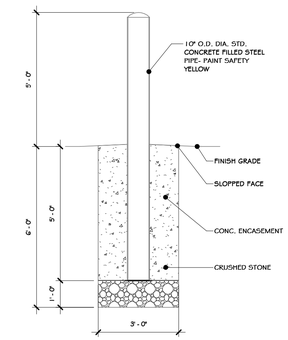


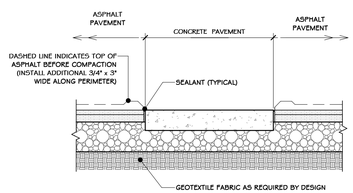
1 BOLLARD DETAILS
1/2" = 1'-0"



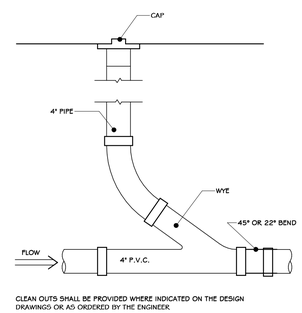
2 BOLLARD LOCATION DETAILS
1/2" = 1'-0"



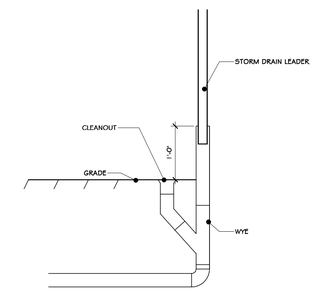
3 INDUSTRIAL BOLLARD DETAIL
3/8" = 1'-0"



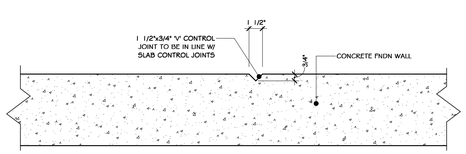
4 ASPHALT @ CONC. SIDEWALK SECTION
1/2" = 1'-0"



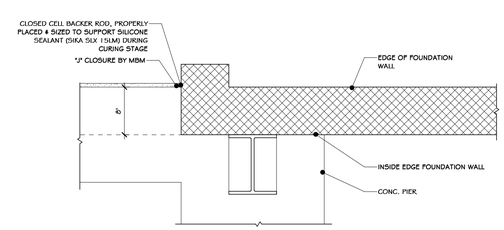
5 CLEAN-OUT DETAIL
1" = 1'-0"



6 DOWNSPOUT CLEAN-OUT
3/4" = 1'-0"



7 FOUNDATION WALL CONTROL JOINT DETAIL
1 1/2" = 1'-0"



8 STEEL CLOSURE @ CMU DETAIL
1" = 1'-0"

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D	ISSUED FOR CONSTRUCTION	03-28-22	
C	ISSUED FOR CONTRACT	08-27-21	
B	REVISED FOR RFP ADDENDUM 6	07-23-21	
A	ISSUED FOR RFP	07-06-21	JAS

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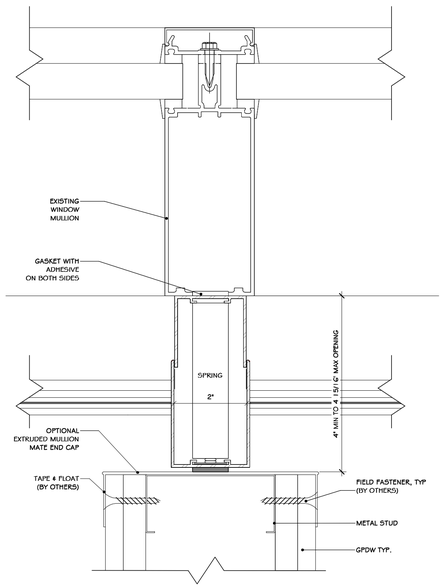
ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

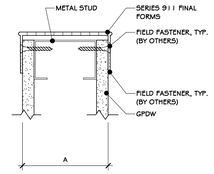
COMMERCIAL SITE DETAILS

	BY	DATE			
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN	
CHECKED	ADG	07/06/21	DWG. NO: A-612		D
DESIGNED	ADG	07/06/21			
APPROVED	ADG	07/06/21	CAD FILE:		
APPROVED			SHEET SIZE: D-24x36		REV

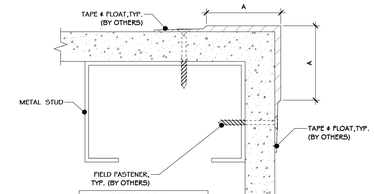


1 MULLION MATE 4 SECTION DET.
6" = 1'-0"

SERIES 911	
PART #	"A"
911-EC-200	2"
911-EC-375	3-3/4"
911-EC-463	4-5/8"
911-EC-487	4-7/8"
911-EC-600	6"
911-EC-725	7-1/4"

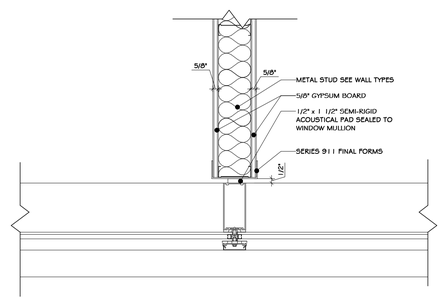


2 FINAL FORMS 1 SERIES 911 DET.
1" = 1'-0"

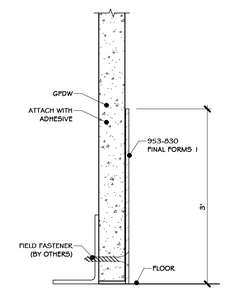


SERIES 901	
PART #	"DIMENSION "A"
901-SC-375	"3/8"
901-SC-1250	"1-1/4"

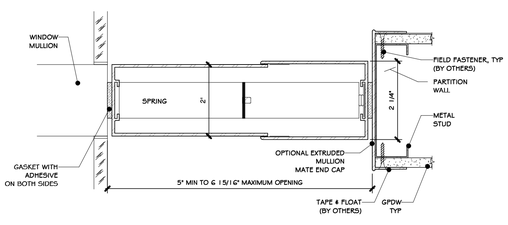
3 FINAL FORMS 1 SERIES 901 DET.
1" = 1'-0"



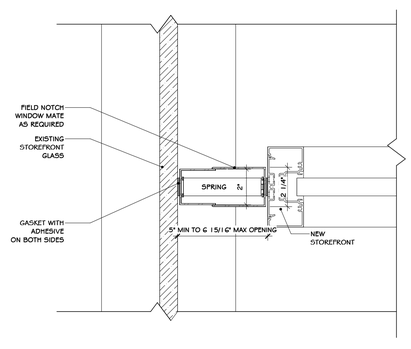
4 WALL TO MULLION TRANSITION-TYP.
1 1/2" = 1'-0"



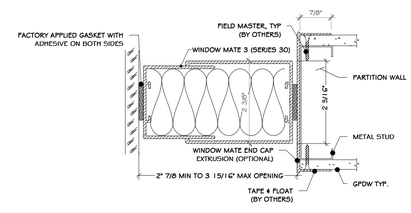
5 FINAL FORMS 1 953-830 DET.
1" = 1'-0"



6 MULLION MATE 5 SECTION DET.
6" = 1'-0"



7 WINDOW MATE ON GLASS
3" = 1'-0"



8 WINDOW MATE SECTION DETAIL
6" = 1'-0"

REV	DESCRIPTION	BY CAD
D	ISSUED FOR CONSTRUCTION	03-26-22
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	07-06-21

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MULLION MATE DETAILS

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-613	D
DESIGNED	ADG	07/06/21	CAD FILE:	
APPROVED	ADG	07/06/21		
APPROVED			SHEET SIZE: D-24x36	REV

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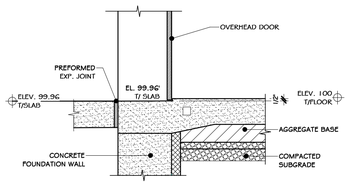
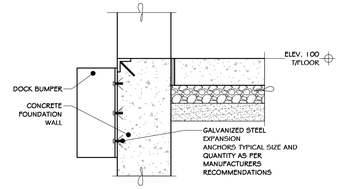


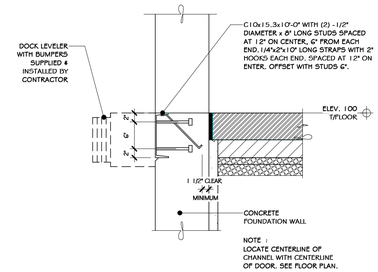
2 WALL SECTION @ DRIVE-IN DOOR
3/4" = 1'-0"



NOTES :

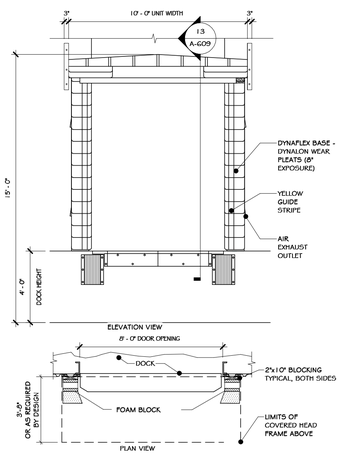
1. INSTALL 9" RUBBER DOCK BUMPERS AT ALL DOCK DOORS.

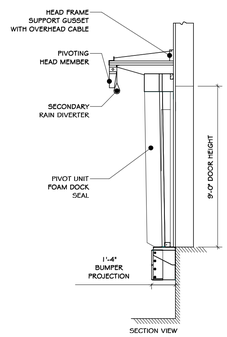
3 SECTION @ DOCK BUMPERS
3/4" = 1'-0"



NOTE :
LOCATE CENTERLINE OF CHANNEL WITH CENTERLINE OF DOOR. SEE FLOOR PLAN.

4 DOCK EDGE CHANNEL DETAIL
3/4" = 1'-0"

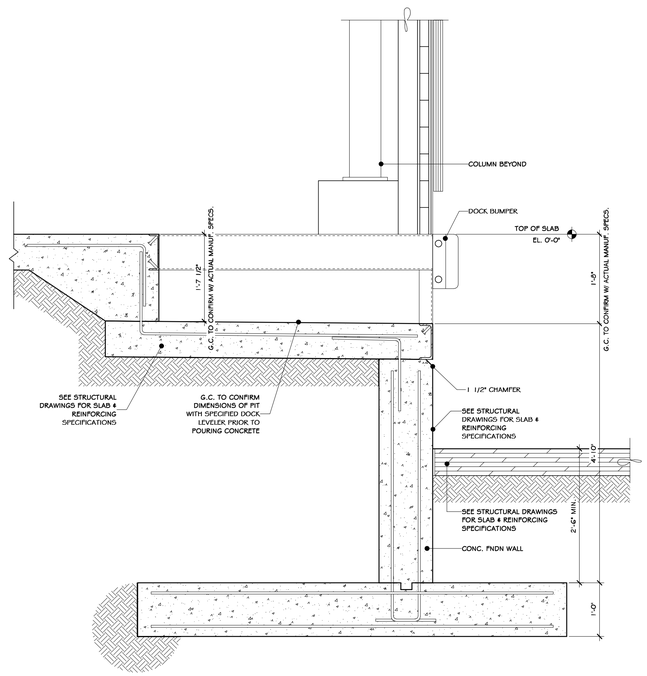




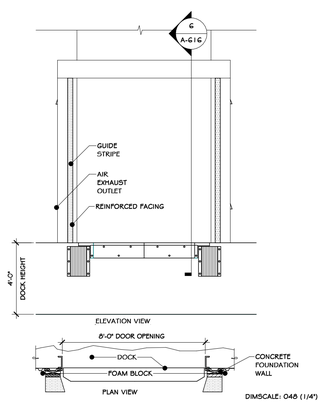
NOTE:

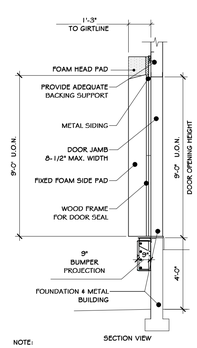
1. FURNISHED AND INSTALLED BY CONTRACTOR. INSTALL PER MANUFACTURERS RECOMMENDATIONS.

5 UNLOAD DOOR SEAL
1/4" = 1'-0"



7 LOADING DOCK LEVELER DETAIL
3/4" = 1'-0"





NOTE:

1. COORDINATE DOCK SEAL REQUIREMENTS WITH MANUFACTURER'S SPECS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

6 LOAD DOOR SEAL
1/4" = 1'-0"

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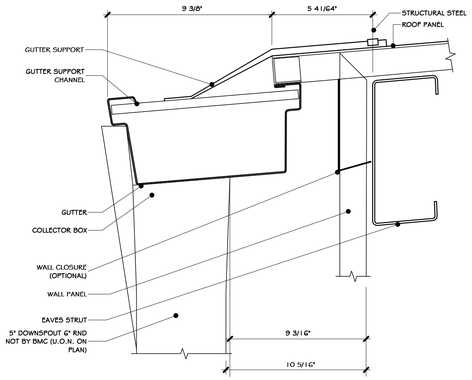
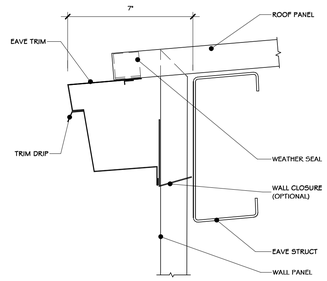
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

OVERHEAD DOCK DOOR DETAILS

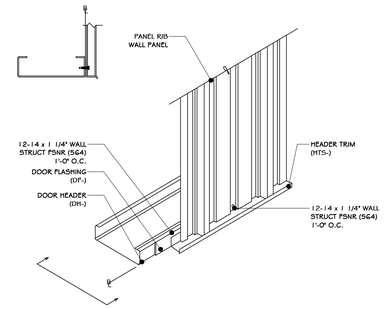
	BY	DATE		
DRAWN	DEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-614	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV



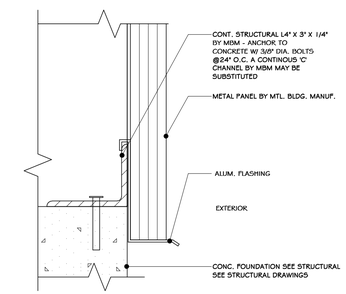
1 MTL BLDG GUTTER DETAIL
3" = 1'-0"



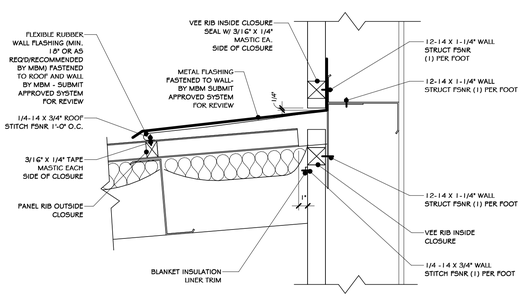
2 MTL. DETAIL EAVE TRIM
3" = 1'-0"



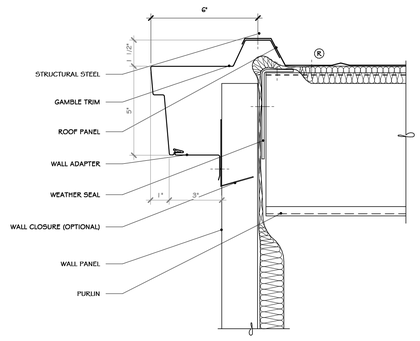
3 WALL TRIM DET. @ DOOR HEADER
1 1/2" = 1'-0"



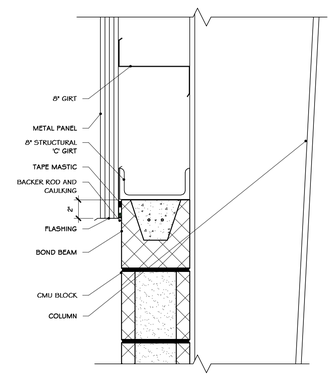
4 MTL. PANEL TERMINATION
3" = 1'-0"



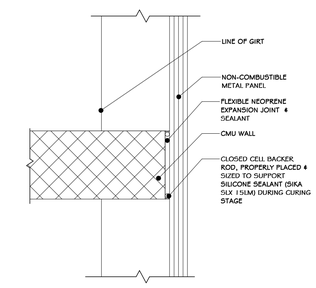
5 DETAIL-ROOF TO EXTERIOR WALL
1 1/2" = 1'-0"



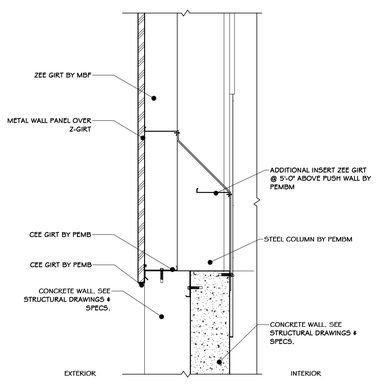
6 MTL BLDG GAMBLE TRIM
3" = 1'-0"



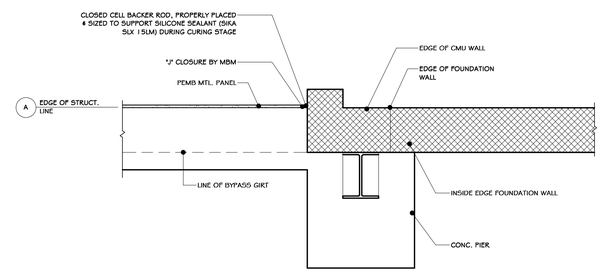
7 MTL PANEL TO BLOCK CONNECTION
1 1/2" = 1'-0"



8 NON-RATED CMU TO MTL PANEL DETAIL
1 1/2" = 1'-0"



9 METAL CLOSURE PANEL @ TIPPING FLOOR
3/8" = 1'-0"



10 INTERSECTION OF PEMB AND CMU
3/4" = 1'-0"

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PEMB DETAILS

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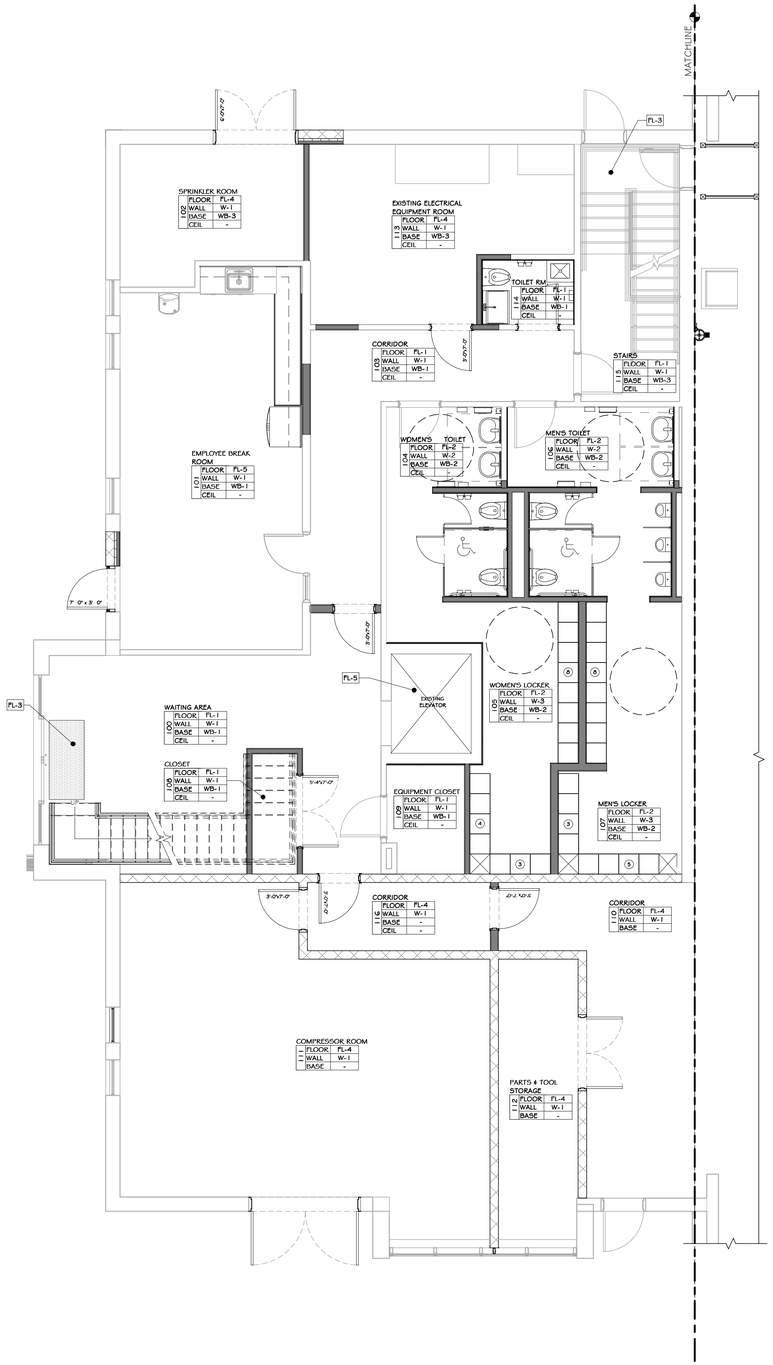
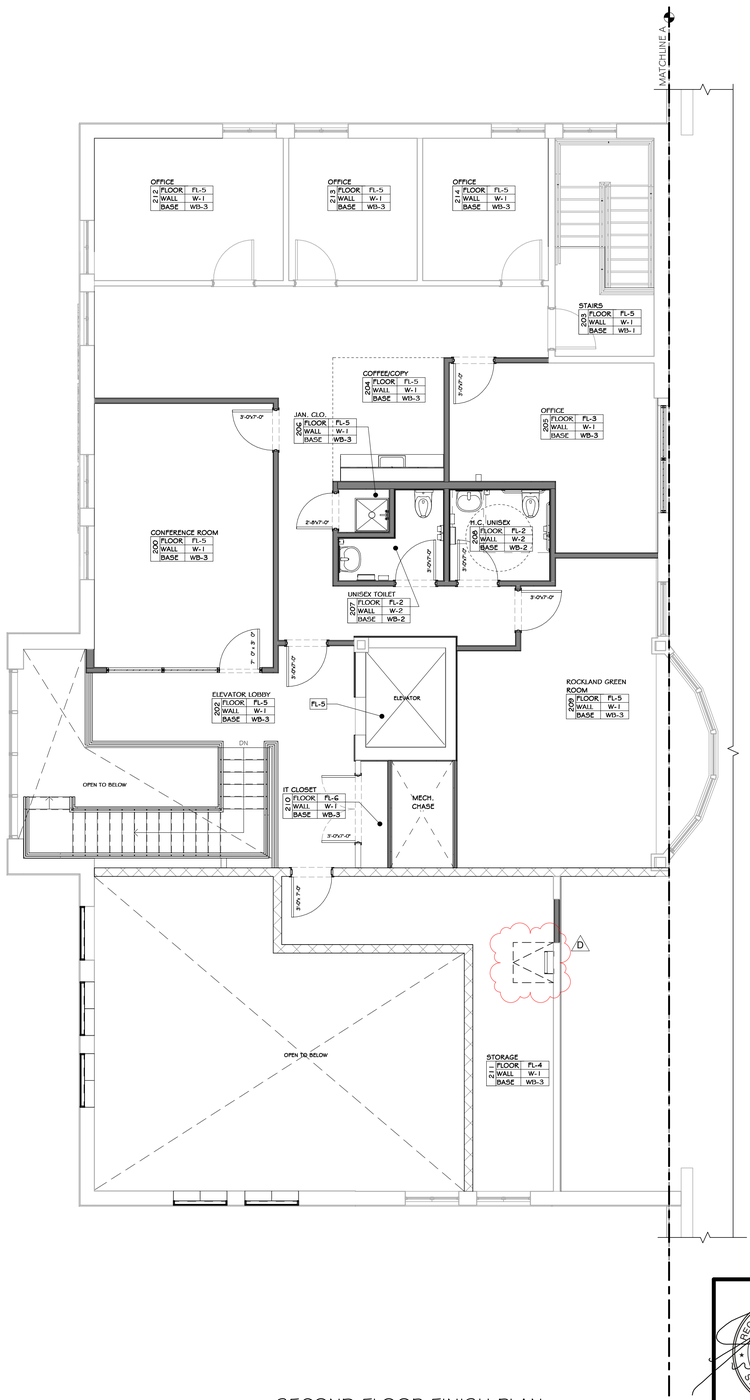
CHECKED	ABG	07/06/21	DWG. NO: A-615	D
DESIGNED	ABG	07/06/21	CAD FILE:	
APPROVED	ABG	07/06/21		
APPROVED			SHEET SIZE: D-24x36	REV



1 FIRST FLOOR FINISH PLAN
3/16" = 1'-0"



2 SECOND FLOOR FINISH PLAN
3/16" = 1'-0"

CONSTRUCTION NOTES

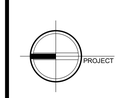
NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

1. PROVIDE SCHLUTER BARS AT ALL FINISH MATERIAL TRANSITIONS, INCLUDING, BUT NOT LIMITED TO TILE TO CARPET, TILE TO GYP BD, CARPET TO WOOD, WOOD TO TILE, ETC.
2. SEE REFLECTED CEILING PLANS FOR CEILING SPECIFICATIONS & FINISH SCHEDULE. (SEE SPECS).

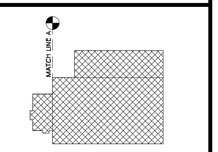
INTERIOR FINISH SCHEDULE

	MARK	LOCATION	CODE AND MATERIAL SPECS	NOTES
FLOORING	FL-1	WAITING AREA # 100, EMPLOYEE BREAK ROOM # 101, CORRIDOR 103, CLOSET # 106, EQUIPMENT CLOSET # 109, TOILET RM. #114, STAIRS # 115, COFFEE/COPY # 204, JAN. CLO. #206,	12"x24" PORCELAIN FLOOR TILE	SEE SPECS
	FL-2	WOMEN'S TOILET #104, WOMEN'S LOCKER # 105, MEN'S TOILET #106, MEN'S LOCKER # 107	12"x24" PORCELAIN FLOOR TILE	
	FL-4	SPRINKLE # 102, CORRIDOR #110, COMPRESSOR ROOM #111, PARTS & TOOL STO. # 112, EXISTING ELEC. EQUIP. RM. #113, CORRIDOR #116, COFFEE/COPY AREA # 204, STORAGE #211	SEALED NATURAL CONCRETE	-
	FL-5	CONFERENCE ROOM #200, STAIRS # 203, ROCKLAND GREEN ROOM #209, OFFICE #212, 213 & 214	VCT TILE	SEE SPECS
	FL-6	IT CLOSET #210	ANTISTATIC VCT	SEE SPECS
BASE	WB-1	WAITING AREA #100, EMPLOYEE BREAK ROOM # 101, CORRIDOR #103, CLOSET #106, EQUIPMENT CLOSET #109, TOILET RM. #114, STAIRS #115, ELEVATOR LOBBY #202, COFFEE/COPY #204, JAN. CLO. #206	CERAMIC WALL BASE TO MATCH FLOOR-4", CUT FROM FLOOR TILE	SEE SPECS
	WB-2	WOMEN'S TOILET #104, WOMEN'S LOCKER # 105, MEN'S TOILET #106, MEN'S LOCKER # 107	4" X 13"	SEE SPECS
	WB-3	SPRINKLE # 102, EXISTING ELEC. EQUIP. RM. #113, CONFERENCE ROOM #200, STAIRS #203, ROCKLAND GREEN ROOM # 209, IT CLOSET #210, STORAGE # 211, OFFICE #205, OFFICE #212, 213 & 214	RUBBER WALL BASE	SEE SPECS
WALL	W-1	WAITING AREA #100, EMPLOYEE BREAK ROOM # 101, SPRINKLER #102, CORRIDOR # 103, CLOSET # 108, EQUIPMENT CLOSET #109, CORRIDOR #110, COMPRESSOR ROOM #111, PARTS & TOOL STORAGE #112, EXISTING ELECTRICAL EQUIPMENT RM. #113, TOILET RM. #114, STAIRS #115, CORRIDOR #116, CONFERENCE ROOM #200, ELEVATOR LOBBY #202, JAN. CLO. #206, COFFEE/COPY #204, OFFICE #205, STAIRS #203, IT CLOSET #210, STORAGE #211, OFFICE #212, #213, #214, ROCKLAND GREEN ROOM #209,	PAINT (SEE PAINT PLAN)	SEE SPECS
	W-2	WOMEN'S TOILET #104, MEN'S TOIET #106, UNISEX #207, H.C. UNISEX #208	4" X 13" SUBWAY TILE	SEE SPECS
	W-3	WOMEN'S LOCKER #105, MEN'S LOCKER #107	FRP	SEE SPECS

PROJECT



N O R T H



KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
ENGINEERING CONSULTANT
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
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ANDERSON DESIGN GROUP
ARCHITECTURE PLANNING INTERIORS
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NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

FINISH PLANS

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-700	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

REV	DESCRIPTION	BY	DATE
D	ISSUED FOR CONSTRUCTION		03-28-22
C	ISSUED FOR CONTRACT		08-27-21
B	REVISED FOR RFP ADDENDUM 6		07-23-21
A	ISSUED FOR RFP		07-06-21

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

N.Y. R.A. LICENSE No. _____

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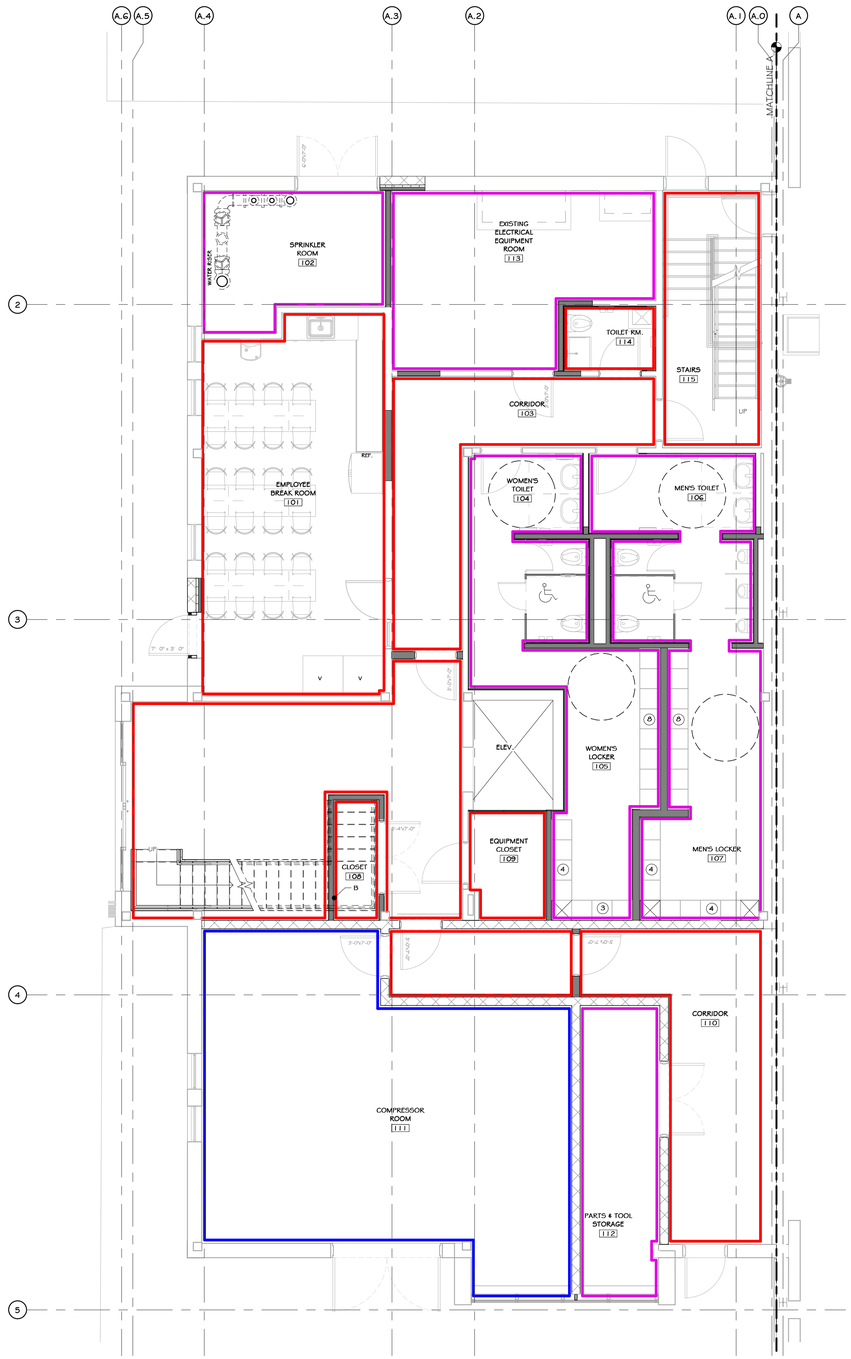
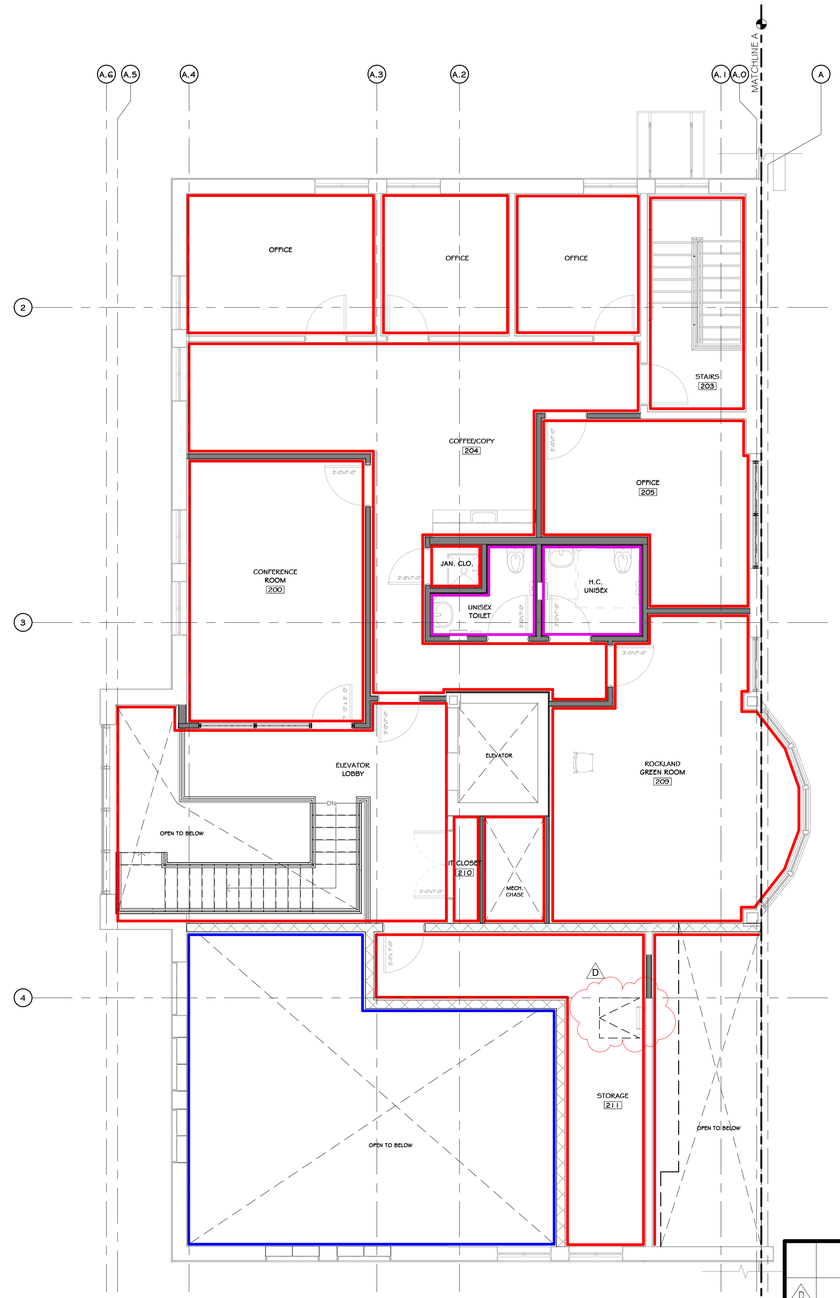


1 FIRST FLOOR PAINT PLAN
3/16" = 1'-0"



3 SECOND FLOOR PAINT PLAN
3/16" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

INTERIOR PAINTED SURFACES

MARK	SURFACE	1ST COAT	2ND COAT	3RD COAT
P-1	FERROUS & GALVANIZED METALS 1 1/2"	MATERIAL: PRO INDUSTRIAL PROCRYL UNIVERSAL METAL PRIMER (B66-310)	MATERIAL: SHER-CRYL HIGH PERFORMANCE ACRYLIC GLOSS (B66-300)	MATERIAL: SHER-CRYL HIGH PERFORMANCE ACRYLIC GLOSS (B66-300)
P-2	GYP. BD.	MATERIAL: PROGREEN 200 INTERIOR LATEX WALL PRIMER (B28-W600)	MATERIAL: PROGREEN 200 INTERIOR LATEX SEMI-GLOSS (B31W651)	MATERIAL: PROGREEN 200 INTERIOR LATEX SEMI-GLOSS (B31W651)
P-3	WOOD MOULDING WAINSCOAT SYSTEM	MATERIAL: PROBLOCK LATEX PRIME/ SEALER (B51W20)	MATERIAL: PROGREEN 200 INTERIOR LATEX SEMI-GLOSS (B31W651)	MATERIAL: PROGREEN 200 INTERIOR LATEX SEMI-GLOSS (B31W651)
P-4	PLYWOOD LINER PANELS	MATERIAL: PROBLOCK LATEX PRIME/ SEALER (B51W20) BOTH SIDES TO BE PRIMED	-	-
P-5	EXPOSED PIPING, TUBES AND CONDUIT (IN FINISHED AREAS)	MATERIAL: PRO INDUSTRIAL PROCRYL UNIVERSAL METAL PRIMER (B66-310)	MATERIAL: SHER-CRYL HIGH PERFORMANCE ACRYCIL GLOSS (B66-300)	MATERIAL: SHER-CRYL HIGH PERFORMANCE ACRYCIL GLOSS (B66-300)
P-6	CONCRETE FLOOR STRIPING	PAINT BY OTHERS	-	-
P-7	GYP. BD. @ TOILET & JANITOR ROOMS	MATERIAL: PROGREEN 200 INTERIOR LATEX WALL PRIMER (B28-W600)	MATERIAL: PRECATALIZED (ONE COMPONENT) WATER-BASED EPOXY	MATERIAL: PRECATALIZED (ONE COMPONENT) WATER-BASED EPOXY
P-8	MISC. MOUNTING BDS.	MATERIAL: PROBLOCK ALTEX PRIMER/SEALER (B51W20)	MATERIAL: INDUSTRIAL ZERO VOC ACRYLIC COATING SEMI-GLOSS (B66-650)	MATERIAL: PRO INDUSTRIAL ZERO VOC ACRYLIC COATING SEMI-GLOSS (B66-650)

PAINT SCHEDULE

COLOR		DESCRIPTION
	A	(09.91 13.03) LATEX PAINT ALL EXPOSED BLOCK SURFACES/ PAINT SYSTEM E.J: BLOCK, FILLER AND TWO FINISH COATS LATEX
	B	(09.91 23.04) INTERIOR LATEX DRYWALL PAINT/ PAINT SYSTEM F.R.S: DRYWALL SYSTEMS: PRIMER AND TWO FINISH COATS
	C	SW 7009 PEARLY WHITE/ PREMIUM GRADE LATEX SEMI-GLOSS ENAMELI 2 COATS OVER PRIMER (USE "HARMONY" INTERIOR LATEX LOW ODOR COATINGS FOR REDUCED ENVIRONMENTAL IMPACT.)

LEGEND:

DASHED LINES INDICATE THE SOFFIT, FASCIA AND HIGH WALL ABOVE, UNLESS OTHERWISE NOTED.

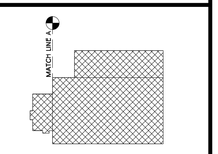
NOTES:

1. NOTE: 5' X 5' SAMPLE WALL TO BE PAINTED FOR EA COLOR, TO BE APPROVED BY ARCHITECT & OWNER PRIOR TO PURCHASE OF PAINTED FOR FULL PROJECT.
2. HM FRAME NOTES - TO BE PAINTED SHERWIN WILLIAMS "IRON ORE" SEMI GLOSS FINISH, U.O.N
3. BATHROOM / BREAK ROOM WALLS ABOVE TILE - "CHRISTMAS WHITE"
4. ALL "BACK AREA" WALLS TO BE "CHRISTMAS WHITE"

PROJECT

PROJECT

NORTH



KEY PLAN

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RRT Engineering, LLC
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NY COA # 0017967

Rockland Green
ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

REV	DESCRIPTION	DATE / BY / CHK
D	ISSUED FOR CONSTRUCTION	10-28-21
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	07-06-21

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

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1 Huntington Quadrangle, 3S01 ph: 631-756-1060
Melville, N.Y. 11747 fax: 631-756-1064

PAINT PLANS

	BY	DATE		
DRAWN	IDEA	07/06/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/06/21	DWG. NO: A-701	D
DESIGNED	ADG	07/06/21	CAD FILE:	
APPROVED	ADG	07/06/21		
APPROVED			SHEET SIZE: D-24x36	REV

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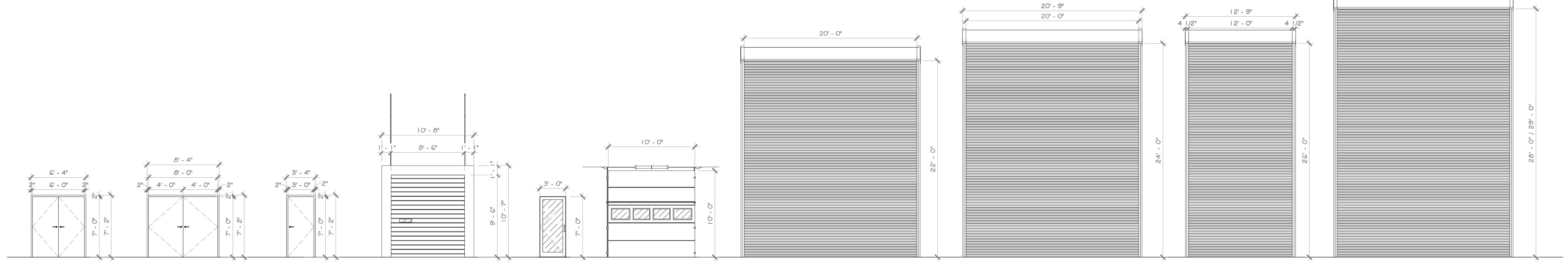

1 TYPICAL DOOR ELEVATION
1/8" = 1'-0"

DOCK LEVELER SCHEDULE

LEVELER MARK	LEVELER TYPE	DOOR #	QTY.	NOTES	Comments
L-01	Wayne Dalton insulated sectional overhead doors_Thermospan 150 series	<varies>	4		Door 001 to 004

SCHEDULE OF DOORS

MARK	LOCATION FROM	LOCATION RM.#	LOCATION TO	LOCATION RM.#	DOOR ELEV.	NOMINAL SIZE WIDTH	NOMINAL SIZE HEIGHT	OPERATION	HAND	LABEL	STC	WALL TYPE	WALL THICKNESS	ROUGH OPENING WIDTH	ROUGH OPENING HEIGHT	MASONRY OPENING WIDTH	MASONRY OPENING HEIGHT	FRAME TYPE	FRAME MATR'L	FRAME GAUGE	FRAME FINISH	DOOR SLAB MATR'L	DOOR SLAB THICKNESS	DOOR SLAB FINISH	HDW SET	REMARKS
001			AREA 6 LOADING AREA	169	3	8' - 6"	9' - 6"	[Pull Rope][Chain Hoist][Electric Motor-[Push Button][Key][Push Button w/ Key]]	-	As Specified in 08 36 00									METAL				1 3/8"			
002			AREA 6 LOADING AREA	169	3	8' - 6"	9' - 6"	[Pull Rope][Chain Hoist][Electric Motor-[Push Button][Key][Push Button w/ Key]]	-	As Specified in 08 36 00									METAL				1 3/8"			
003			AREA 6 LOADING AREA	169	3	8' - 6"	9' - 6"	[Pull Rope][Chain Hoist][Electric Motor-[Push Button][Key][Push Button w/ Key]]	-	As Specified in 08 36 00									METAL				1 3/8"			
004			AREA 6 LOADING AREA	169	3	8' - 6"	9' - 6"	[Pull Rope][Chain Hoist][Electric Motor-[Push Button][Key][Push Button w/ Key]]	-	As Specified in 08 36 00									METAL				1 3/8"			
005			AREA 5 STORAGE AREA	167	8	12' - 0"	24' - 0"												METAL							
006			AREA 4 COMMINGLED TIPPING AREA	168	7	20' - 0"	24' - 0"		-										METAL							
007			AREA 4 COMMINGLED TIPPING AREA	168	7	20' - 0"	24' - 0"		-										METAL							
008			AREA 1 EXISTING TIPPING AREA	ae	9	20' - 0"	24' - 0"		-										METAL							
009			AREA 1 EXISTING TIPPING AREA	ae	9	20' - 0"	24' - 0"		-										METAL							
010			AREA 1 EXISTING TIPPING AREA	ae	9	20' - 0"	24' - 0"		-										METAL							
011			AREA 1 EXISTING TIPPING AREA	ae	6	20' - 0"	24' - 0"												METAL							
012			AREA 1 EXISTING TIPPING AREA	ae	6	20' - 0"	24' - 0"												METAL							
013			AREA 1 EXISTING TIPPING AREA	ae	5	10' - 0"	10' - 0"	[Pull Rope][Chain Hoist][Electric Motor-[Push Button][Key][Push Button w/ Key]]		As Specified in 08 36 00									METAL				1 3/8"			
014			AREA 1 EXISTING TIPPING AREA	ae	5	10' - 0"	10' - 0"	[Pull Rope][Chain Hoist][Electric Motor-[Push Button][Key][Push Button w/ Key]]		As Specified in 08 36 00									METAL				1 3/8"			
015			AREA 5 STORAGE AREA	167	5	10' - 0"	10' - 0"												METAL							
017			AREA 4 COMMINGLED TIPPING AREA	168	4	3' - 0"	7' - 0"		RH										HM				1 3/4"			
020	AREA 4 COMMINGLED TIPPING AREA	168				3' - 0"	7' - 0"												HM				1 3/4"			
022			AREA 5 STORAGE AREA	167	5	10' - 0"	10' - 0"												METAL							
100	COMPRESSOR ROOM	111	EXTERIOR	-	1	8' - 0"	7' - 0"	SWING	-					-	-	8' - 6 1/2"	7' - 4 1/2"		HM	16	PAINT	MTL	1 3/4"	PAINT	01	
101	CORRIDOR	110	PARTS & TOOL STORAGE	112	1	5' - 4"	7' - 0"	SWING	-	90 MIN		305	7 5/8"	-	-	5' - 8 1/2"	7' - 4 1/2"		HM	16	PAINT	MTL	1 3/4"	PAINT	02	
102	COMPRESSOR ROOM	111	CORRIDOR	116	2	3' - 0"	7' - 0"	SWING	RH	90 MIN		305	7 5/8"	-	-	3' - 4 1/2"	7' - 4 1/2"		HM	16	PAINT	MTL	1 3/4"	PAINT	03	
103	WAITING AREA	100	CORRIDOR	116	2	3' - 0"	7' - 0"	SWING	LHR			340	7 5/8"	-	-	3' - 4 1/2"	7' - 4 1/2"		HM	16	PAINT	MTL	1 3/4"	PAINT	04	
104	WAITING AREA	100	CLOSET	108	1	5' - 4"	7' - 0"	SWING	LH			254	3 5/8"	-	-	5' - 8 1/2"	7' - 4 1/2"		HM	16	PAINT	MTL	1 3/4"	PAINT	03	
105	WAITING AREA	100	CORRIDOR	103	2	3' - 0"	7' - 0"	SWING	LH			209	6"	3' - 2"	7' - 1"	-	-		HM	16	PAINT	MTL	1 3/4"	PAINT	04	
106	SPRINKLER ROOM	102	EXTERIOR	-	10	6' - 0"	7' - 0"	SWING	-			-	-	-	-	6' - 4 1/2"	7' - 4 1/2"		HM	16	PAINT	MTL	1 3/4"	PAINT	01	
107	EXISTING ELECTRICAL EQUIPMENT ROOM	113	CORRIDOR	103	4	3' - 0"	7' - 0"	SWING	-			-	-	-	-	-	-	EXISTING				EXISTING	1 3/4"		08	
108					4	3' - 0"	7' - 0"		RH										HM				1 3/4"			
109	STORAGE	171	SPRINKLER ROOM	170	4	3' - 0"	7' - 0"		LH										HM				1 3/4"			
110	STORAGE	171	AREA 5 STORAGE AREA	167	4	3' - 0"	7' - 0"		RH										HM				1 3/4"			
114			AREA 1 EXISTING TIPPING AREA	ae	4	3' - 0"	7' - 0"		RH										HM				1 3/4"			
115			AREA 1 EXISTING TIPPING AREA	ae	4	3' - 0"	7' - 0"		LH										HM				1 3/4"			
116	CORRIDOR	116	CORRIDOR	110	4	3' - 0"	7' - 0"	SWING											HM	16	PAINT	MTL	1 3/4"	PAINT		
118			AREA 5 STORAGE AREA	167	4	3' - 0"	7' - 0"	SWING															1 3/4"			
119			AREA 5 STORAGE AREA	167	4	3' - 0"	7' - 0"	SWING															1 3/4"			
120	AREA 4 COMMINGLED TIPPING AREA	168				3' - 0"	7' - 0"												HM				1 3/4"			
121	AREA 4 COMMINGLED TIPPING AREA	168	STORAGE	171		3' - 0"	7' - 0"												HM				1 3/4"			
122			AREA 5 STORAGE AREA	167		3' - 0"	7' - 0"																1 3/4"			
123	TOILET RM.	114	CORRIDOR	103		3' - 0"	7' - 0"	SWING											METAL				1 3/4"			3/4" UNDERCUT
200	CONFERENCE ROOM	200	COFFEE/COPY	204	2	3' - 0"	7' - 0"	SWING	RH			204	3 5/8"	3' - 2"	7' - 1"	-	-		HM	16	PAINT	MTL	1 3/4"	PAINT	04	
201	OFFICE	205	COFFEE/COPY	204	2	3' - 0"	7' - 0"	SWING	RH			204	3 5/8"	3' - 2"	7' - 1"	-	-		HM	16	PAINT	MTL	1 3/4"	PAINT	04	
202	COFFEE/COPY	204	JAN. CLO.	206	2	2' - 8"	7' - 0"	SWING	RHR			225	3 5/8"	3' - 0"	7' - 1"	-	-		HM	16	PAINT	MTL	1 3/4"	PAINT	03	
203	UNISEX TOILET	207	COFFEE/COPY	204	2	3' - 0"	7' - 0"	SWING	RH			225	3 5/8"	3' - 2"	7' - 1"	-	-		HM	16	PAINT	MTL	1 3/4"	PAINT	05	
204	H.C. UNISEX	208	COFFEE/COPY	204	2	3' - 0"	7' - 0"	SWING	LH			225	3 5/8"	3' - 2"	7' - 1"	-	-		HM	16	PAINT	MTL	1 3/4"	PAINT	05	
205	ROCKLAND GREEN ROOM	209	COFFEE/COPY	204	2	3' - 0"	7' - 0"	SWING	LH			204	3 5/8"	3' - 2"	7' - 1"	-	-		HM	16	PAINT	MTL	1 3/4"	PAINT	04	
206	ELEVATOR LOBBY	202	COFFEE/COPY	204	2	3' - 0"	7' - 0"	SWING	LHR			204	3 5/8"	3' - 2"	7' - 1"	-	-		HM	16	PAINT	MTL	1 3/4"	PAINT	04	
207	IT CLOSET	210	ELEVATOR LOBBY	202	-	5' - 0"	8' - 0"	SWING	RHR			-	-	-	-				HM	16	PAINT	MTL	1 3/4"	PAINT	02	
208	STORAGE	211	ELEVATOR LOBBY	202	2	3' - 0"	7' - 0"	SWING	-			340	7 5/8"	3' - 2"	7' - 1"	-	-		HM	16	PAINT	MTL	1 3/4"	PAINT	04	
500	EMPLOYEE BREAK ROOM	101	EXTERIOR	-	3	3' - 0"	7' - 0"	SWING	-			-	-	-	-	-	-		AL		FACTORY FINISH	AL / GL	1 3/4"	FACTORY FINISH	06	KAWNEER TRIFAB 451T THERMAL STOREFRONT SYSTEM CENTER GLAZE
600	CONFERENCE ROOM	200	ELEVATOR LOBBY	202	3	3' - 0"	7' - 0"	SWING	-			-	-	-	-	-	-		AL		FACTORY FINISH	AL / GL	1 3/4"	FACTORY FINISH	07	KAWNEER TRIFAB 451T NON-THERMAL STOREFRONT SYSTEMS, CENTER GLAZED

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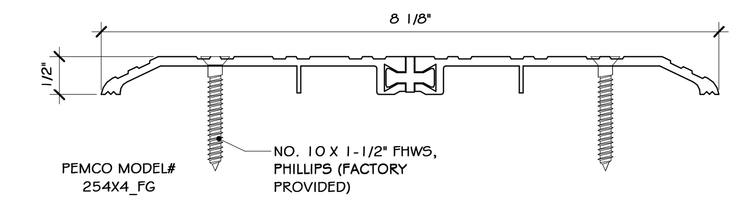
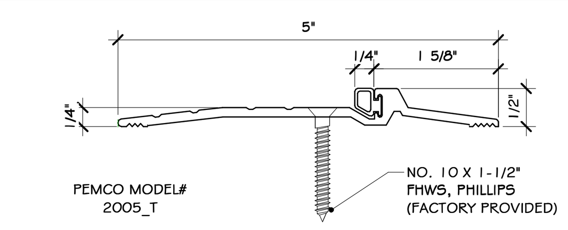
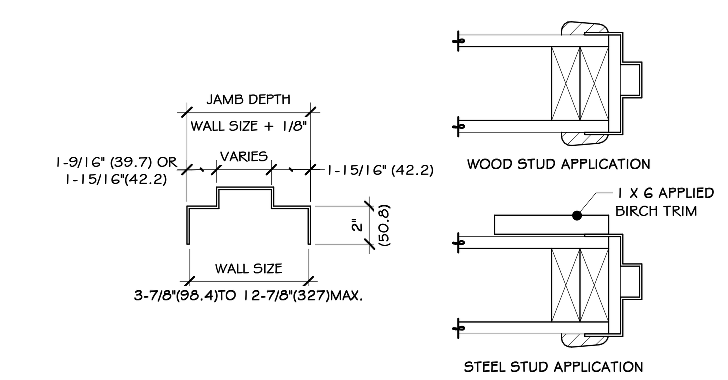


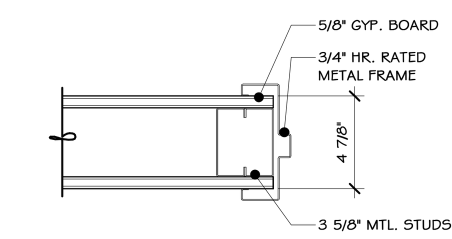
2 THERMAL BARRIER SADDLE
6" = 1'-0"



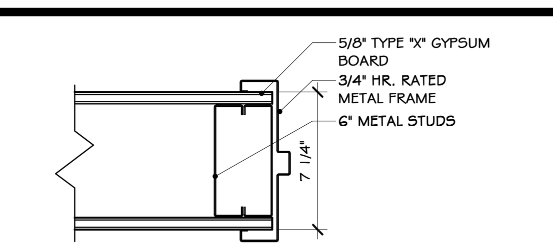
3 FIRE RATED LATCHING PANIC EXIT THRESHOLD
6" = 1'-0"



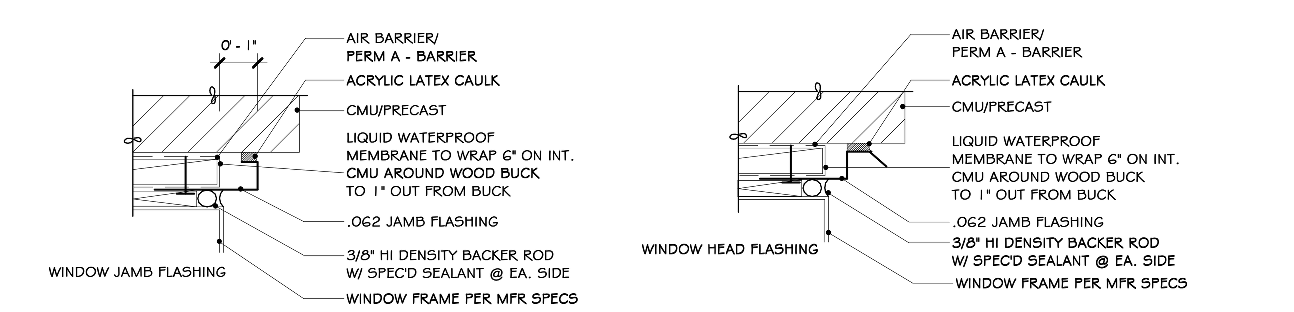
4 "N" PROFILE-SLIP-ON "NAILER" FRAME
1 1/2" = 1'-0"



7 1 HR. 3.675 MTL. JAMB
1 1/2" = 1'-0"



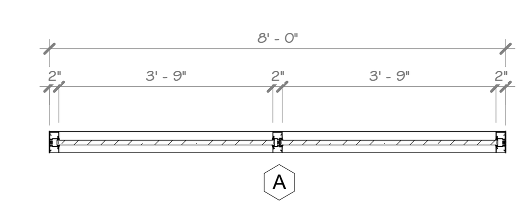
6 6 INCH. 1 HR. MTL. JAMB DETAIL
1 1/2" = 1'-0"



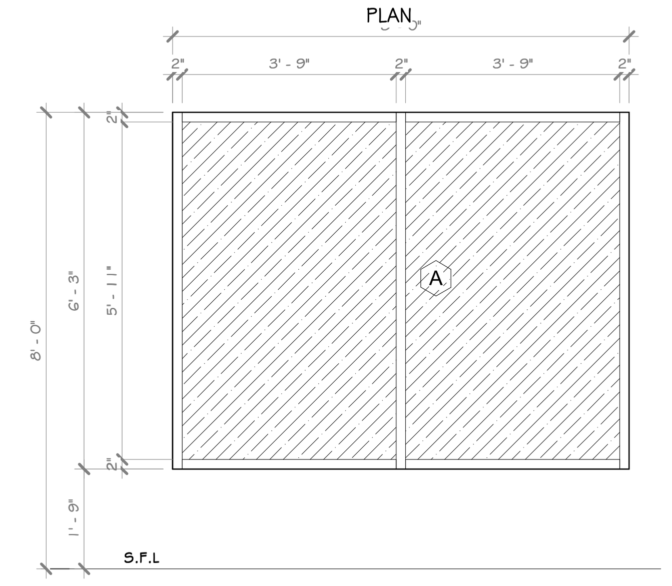
9 EXTERIOR WINDOW JAMB & HEAD
3" = 1'-0"

WINDOW SCHEDULE

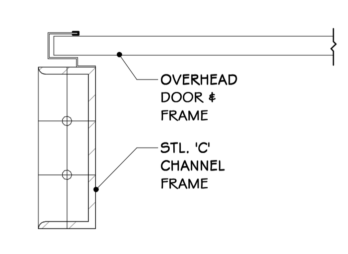
MARK	MANUFACTURER	TYPE	WIDTH	HEIGHT	HEAD HEIGHT
A	KAWNEER	KAWNEER 450T	8'-0"	6' - 3"	8'-0"



PLAN



10 WINDOW ELEVATION
3/8" = 1'-0"

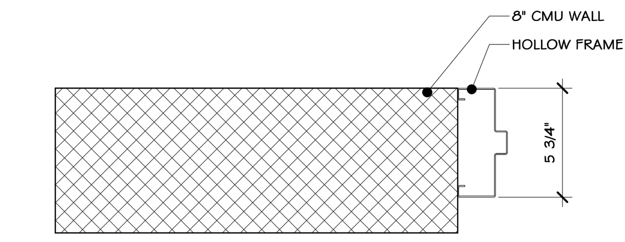


8 OVERHEAD DOOR JAMB DETAIL
1 1/2" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. ALL OPENING SIZES TO BE VERIFIED IN FIELD WITH ROUGH FRAMING.
2. ALL DOOR HARDWARE TO BE SAME STYLE - SUBMIT TO ARCHITECT FOR APPROVAL
3. DOOR PROVIDER TO COORDINATE KEYING WITH OWNER THROUGH ARCHITECT
4. ALL HARDWARE TO BE BRUSHED ALUMINUM, U.O.N.
5. ALL DOOR & HARDWARE SPECIFIED IS BY INGERSOLL RAND (LCN, SCHALE, IVES, VON DUPRIN, STEELCRAFT) OR APPROVED EQUAL. PROVIDE FULL SUBMITTAL PACKAGE FOR ALL
6. ALL CLOSERS TO HAVE 'HOLD-OPEN' FEATURE.



5 MTL. JAMB W-CMU DETAIL
1 1/2" = 1'-0"

ABBREVIATIONS

DOOR CORE:
FPC - PARTICLE CORE
HC - HONEYCOMB
POLY - POLYURETHANE FOAM
SOLID - SOLID WOOD

DOOR EDGE:
HDWD - MATCHING HARDWOOD STILES

FINISHES:
PT - PAINTED
STN - STAINED
B.A - BRONZED ANNODIZED
MILL - MILL FINISH BRUSHED

MATERIALS:
AGO - GALVANNEAL STEEL
HM - HOLLOW METAL
SL - REMIUM PLAIN SLICED (TYPE TO BE DETERMINED)
WD - WOOD
AL - NODIZED ALUMINUM
ALM - ANODIZED ALUMINUM CLEAR FINISH
BAL - BRUSHED ALUMINUM

DOOR TYPE:
C - CUSTOM GLASS
F - FLUSH
G - GLASS
HG - HALF GLASS
VP - 4"x25" NARROW LITE
LB - 24"x24" LOUVER

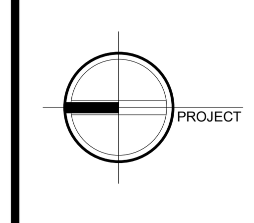
FRAME CONSTRUCTION:
KD - KNOCK DOWN
FFW - FULL FACE WELD
PF - PRE-FINISHED

ANCHOR TYPE:
MS - METAL STUD
MRY - MASONRY CMU
WS - WOOD STUD
AS- ALUMINUM STOREFRONT
STLCHN - STEEL CHANNEL

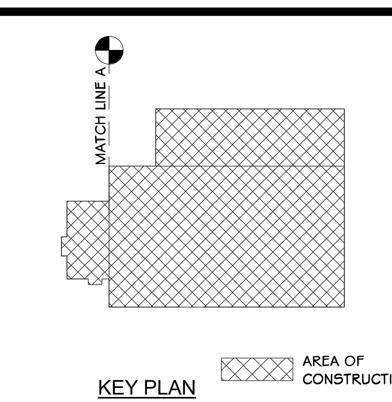
LABEL:
AW - 3 HOUR "A"
BW - 1 1/2 HOUR "B"
CW - 3/4 HOUR "C"

DESIGNATIONS:
BA - BRONZED ANODIZED
INT - INTERIOR, OR INTERIOR MOUNT
EXT - EXTERIOR OR EXTERIOR MOUNT
PV - PIVOT HINGE
SL - SLIM LINE
WS - WALL STOP
FS - FLOOR STOP
WSTP - WEATHER STRIP
INTNL - INTERNAL CONCEALED IN HEAD
HD - HEAVY DUTY

PROJECT



NORTH



KEY PLAN

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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

DOORS & WINDOW SCHEDULE

REV	DESCRIPTION	DATE	BY	CHK
D	ISSUED FOR CONSTRUCTION	09-28-21		
C	ISSUED FOR CONTRACT	08-27-21		
B	REVISED FOR RFP ADDENDUM 6	07-23-21		
A	ISSUED FOR RFP	07-06-21	ID	AS

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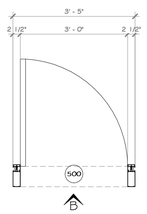
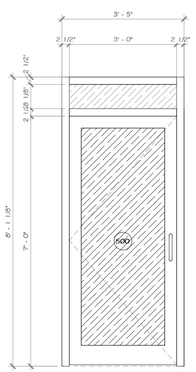
APPROVED			SHEET SIZE: D-24x36 / REV

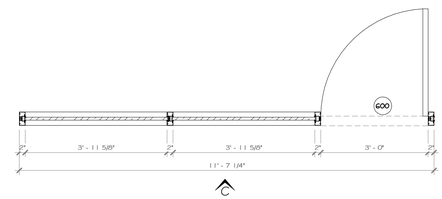


PLAN

1 ELEVATION B
1/2" = 1'-0"

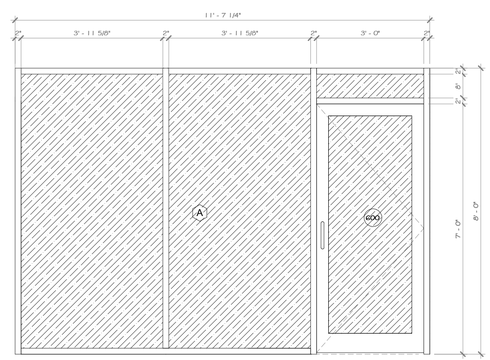


2 EXTERIOR STOREFRONT @ ENTRANCE
1/2" = 1'-0"

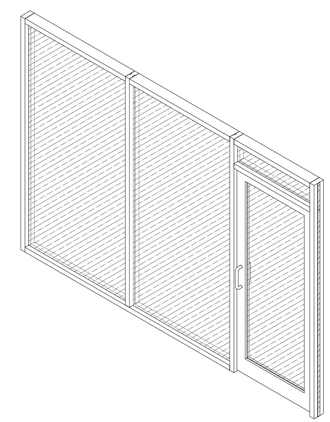


PLAN

3 INTERIOR STOREFRONT @ CONFERENCE ROOM
1/2" = 1'-0"



4 ELEVATION C
1/2" = 1'-0"



5 3D STOREFRONT @ CONFERENCE ROOM

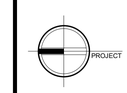
CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

DEMOUNTABLE GLASS ELEVATION SCHEDULE
GENERAL NOTES

1. DEMOUNTABLE GLASS DOOR/WALL SYSTEM @ OFFICES TO BE SINGLE GLAZED WALL SYSTEM: RAMPART OR APPROVED EQUAL.
2. G.C. TO PROVIDE AN ALTERNATE FOR KAWNEER TRIFAB 451 STOREFRONT SYSTEM.

PROJECT



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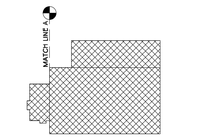

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STOREFRONT SCHEDULE

REV	DESCRIPTION	DATE BY CHK
D	ISSUED FOR CONSTRUCTION	09-28-21
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DWG. NO: A-801
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CAD FILE:
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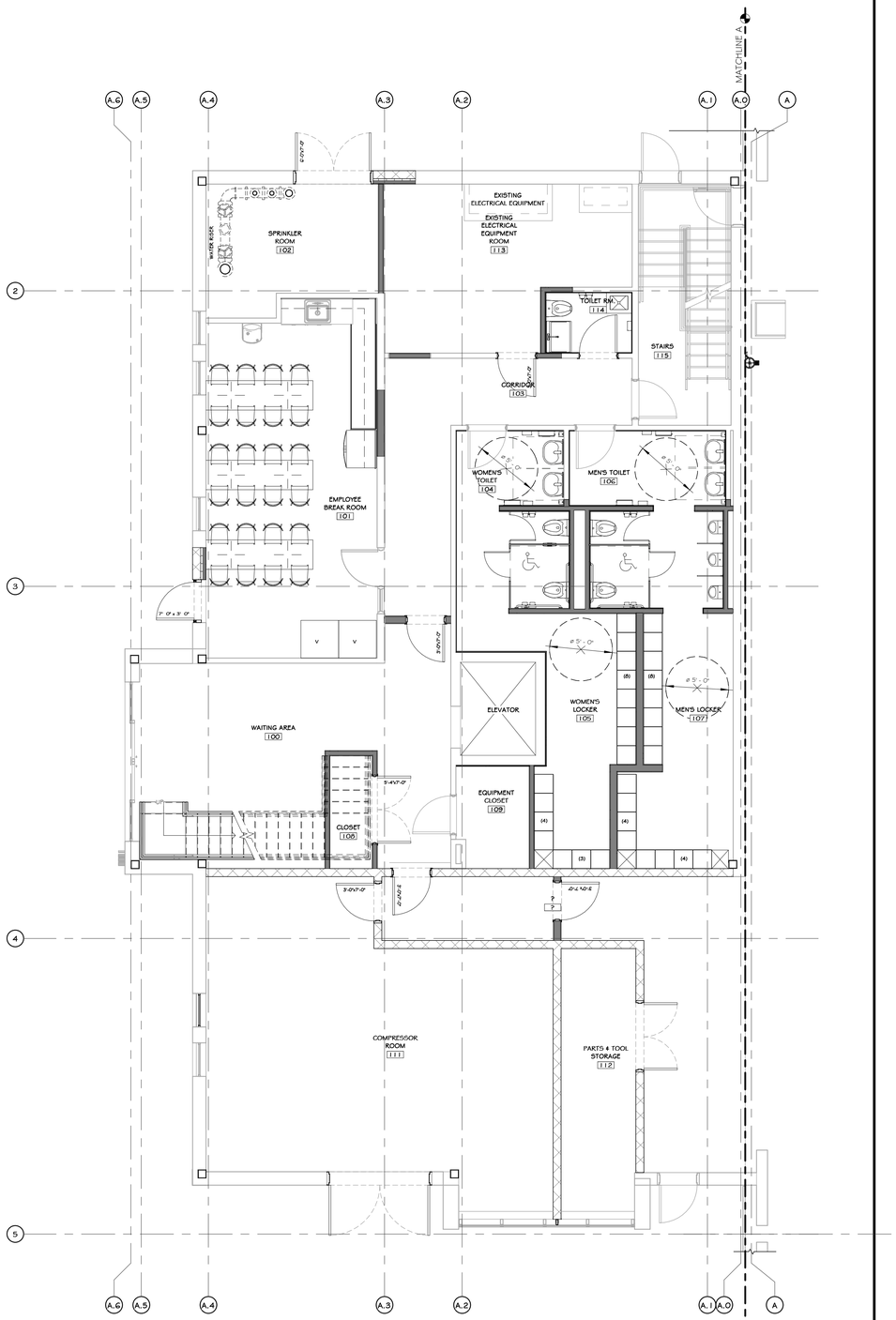
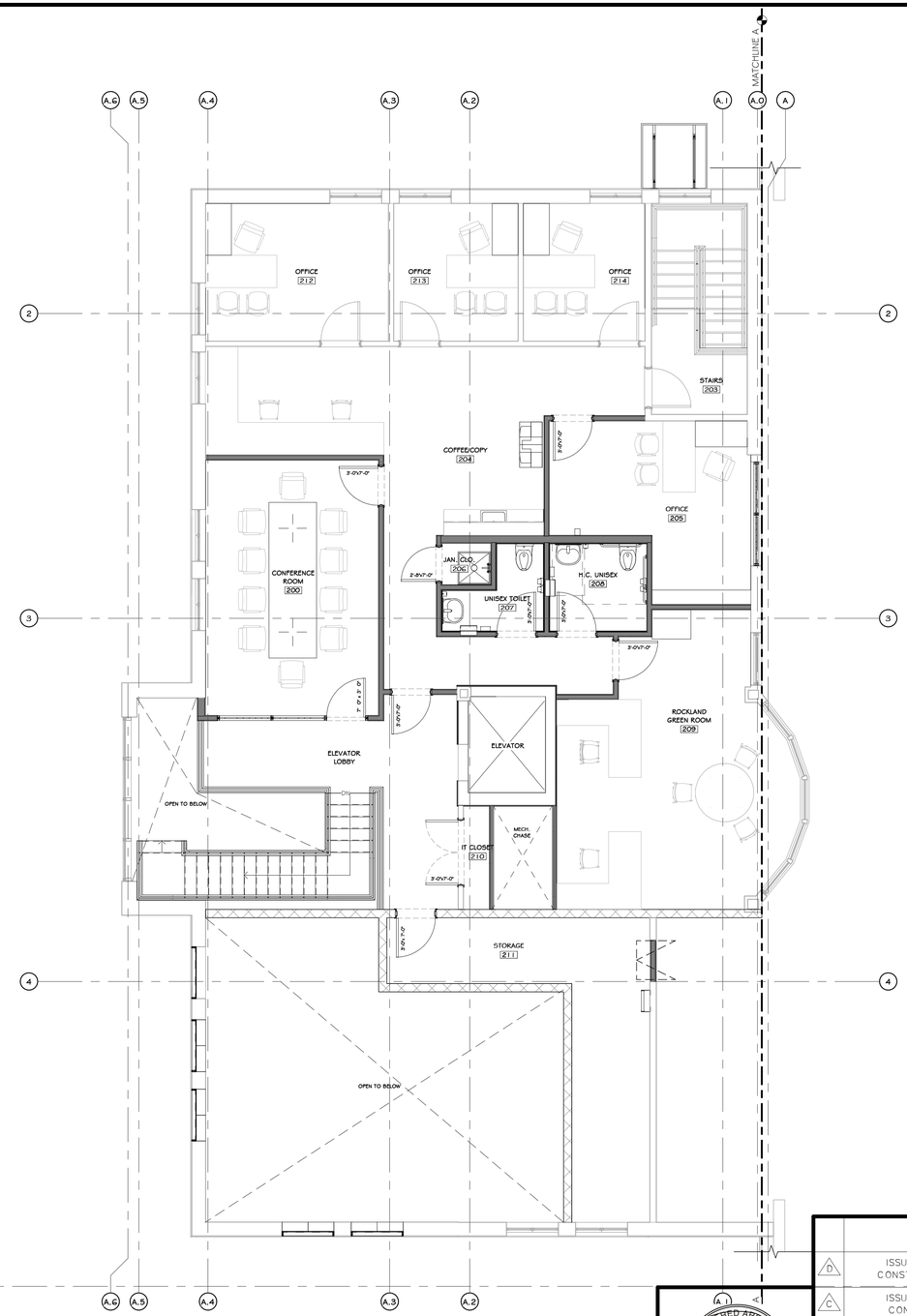


1 ENLARGED FIRST FLOOR FURNITURE PLAN
3/16" = 1'-0"



2 ENLARGED SECOND FLOOR FURNITURE PLAN
3/16" = 1'-0"

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CONSTRUCTION NOTES

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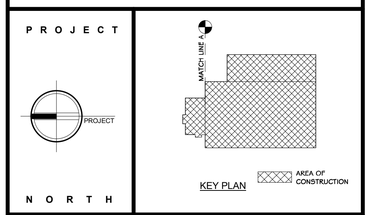
1. FURNITURE LAYOUT IS FOR BASIC SPACE ALLOCATION, FINAL FURNITURE SELECTION AND LAYOUT TO BE COORDINATED WITH OWNER.
2. G.C. TO INSTALL FURNITURE, COORDINATE WITH OWNER.



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ENLARGED FURNITURE PLANS

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DESIGNED	ADG	07/06/21		
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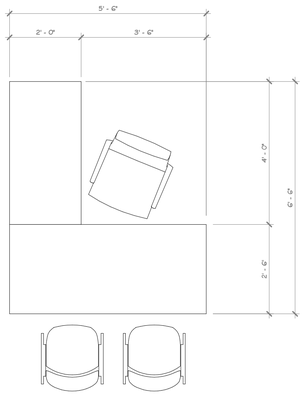
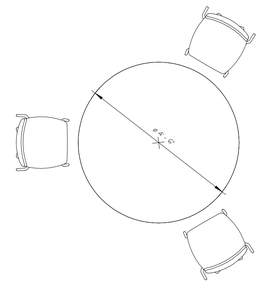
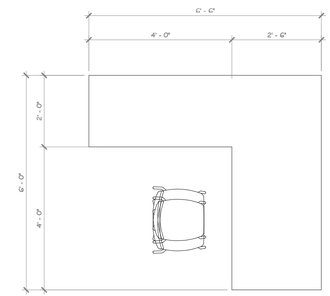
APPROVED			SHEET SIZE: D-24x36	REV



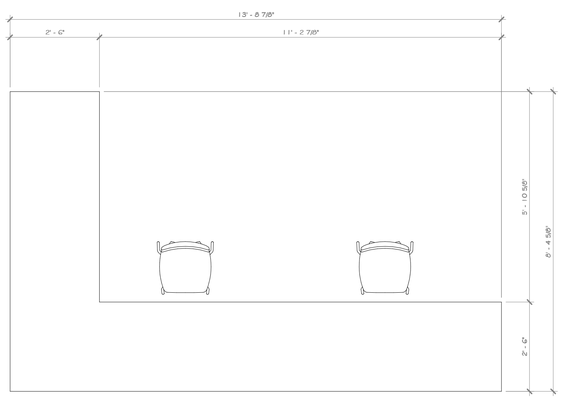
STANDARD DESK @ OFFICE | 100



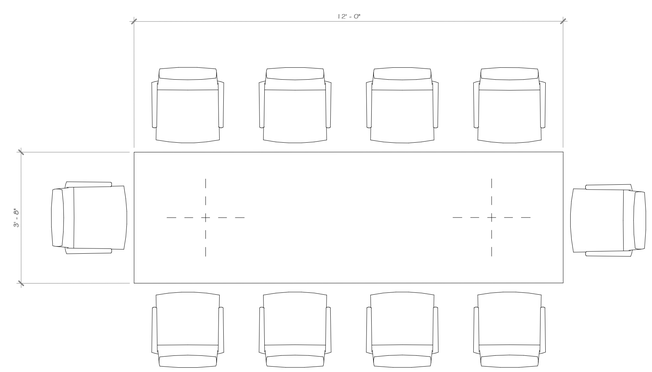
3 SEATERS CONFERENCE TABLE @ ROCKLAND GREEN ROOM | 101



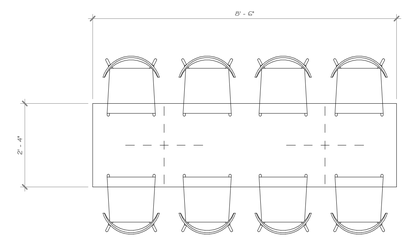
STANDARD DESK @ ROCKLAND GREEN ROOM | 102



STANDARD DESK @ OPEN OFFICE | 104



CONFERENCE ROOM (10 PERSON) | 104



8 SEATERS TABLE @ EMPLOYEE BREAK ROOM | 105

1 FUR_STANDARD DESK @ OPEN OFFICE
1/2" = 1'-0"

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ENLARGED FURNITURE DETAILS

	BY	DATE		
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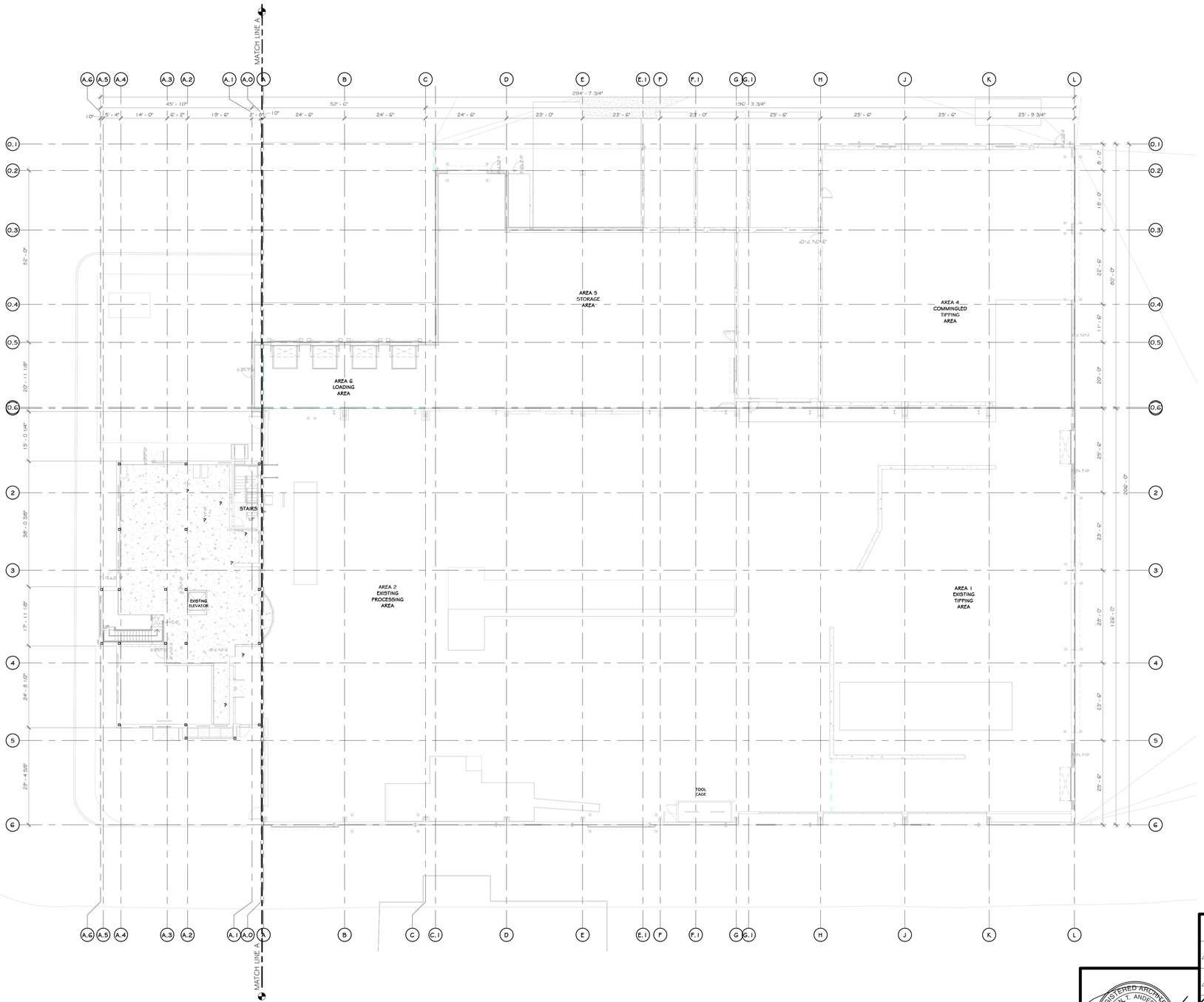
CHECKED	ADG	07/06/21	DWG. NO: A-901	D
DESIGNED	ADG	07/06/21		
APPROVED	ADG	07/06/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV



CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. EQUIPMENT PLAN IS FOR REFERENCE ONLY. PLEASE SEE EQUIPMENT MANUFACTURER'S LAYOUT FOR DETAILS.

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RRT Engineering, LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

EQUIPMENT PLAN

REV	DESCRIPTION	DATE BY CHK
D	ISSUED FOR CONSTRUCTION	09-28-21
C	ISSUED FOR CONTRACT	08-27-21
B	REVISED FOR RFP ADDENDUM 6	07-23-21
A	ISSUED FOR RFP	07-06-21

REGISTERED ARCHITECT
JASON T. ANDERSON
033127
STATE OF NEW YORK

N.Y. R.A. LICENSE No. _____

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	BY	DATE
DRAWN	IDEA	05/21/21
CHECKED	ADG	07/06/21
DESIGNED	ADG	07/06/21
APPROVED	ADG	07/06/21
APPROVED		

PROJ. No: 499-010
SCALE: AS SHOWN
DWG. NO: A-902
D
CAD FILE:
SHEET SIZE: D-24x36
REV

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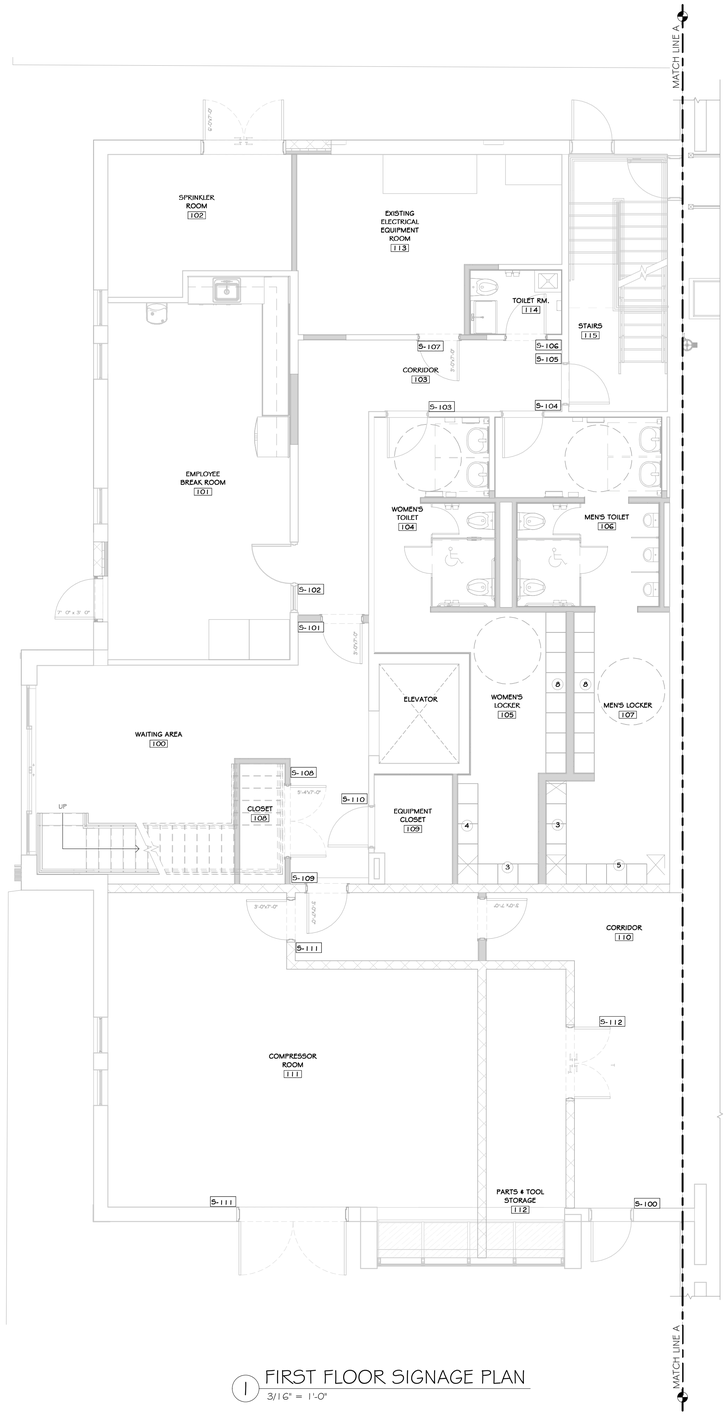
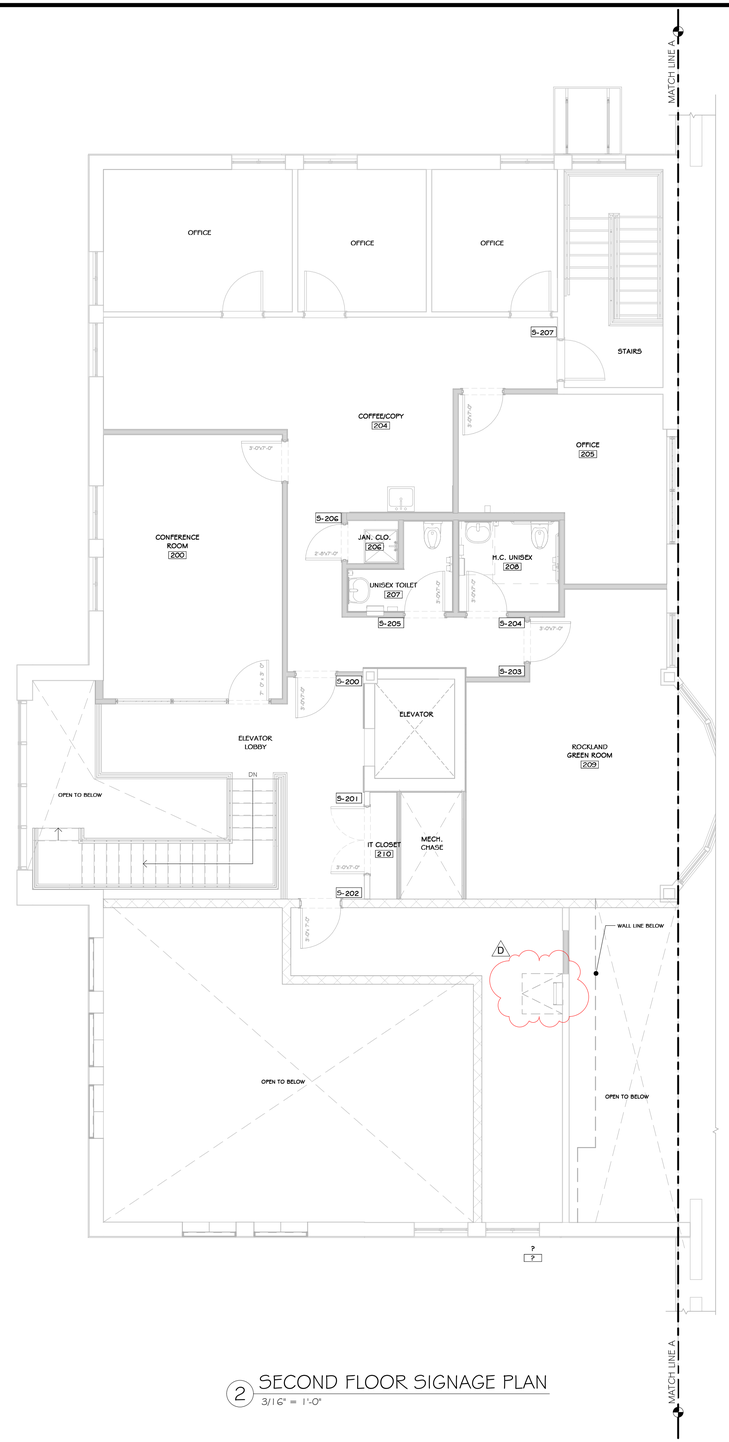


1 FIRST FLOOR SIGNAGE PLAN
3/16" = 1'-0"



2 SECOND FLOOR SIGNAGE PLAN
3/16" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

1. INTERIOR SIGNAGE DRAWINGS AND INFORMATION CONTAINED IN THIS SHEET IS FOR GENERAL DESIGN REQUIREMENTS ONLY. CONTRACTOR SHOULD VERIFY AS-BUILT CONDITIONS AND COORDINATE WITH OWNER FOR SPECIFIC REQUIREMENTS.
2. REFER TO PLAN DIMENSION & NOTE SHEET A201-BF FOR ROOM NAMES & NUMBERS. CONFIRM WITH OWNER PRIOR TO ORDERING.
3. CONTRACTOR TO COORDINATE W/ OWNER'S REP. TO DETERMINE IF ANY ADDITIONAL DIRECTIONAL SIGNAGE IS REQUIRED.
4. REFER TO SPECIFICATIONS FOR WALL MOUNTING METHODS & ADDITIONAL INFORMATION.

INTERIOR SIGNAGE SCHEDULE

499-010 ROCKLAND GREEN MRF ALTERATIONS

(X)	
S-100	TYPE: SN-1
	LOCATION: SEE PLAN
	ROOM #: 100,110
	QUANTITY: 3
	TEXT LINES* (INDIVIDUAL): EXIT
S-101	TYPE: SN-1
	LOCATION: SEE PLAN
	ROOM #: 103
	QUANTITY: 1
	TEXT LINES* (INDIVIDUAL): CORRIDOR
S-102	TYPE: SN-2
	LOCATION: SEE PLAN
	ROOM #: 101
	QUANTITY: 1
	TEXT LINES* (INDIVIDUAL): EMPLOYEE BREAK ROOM
S-103	TYPE: SN-3
	LOCATION: SEE PLAN
	ROOM #: 104
	QUANTITY: 1
	TEXT LINES*(INDIVIDUAL): WOMEN'S TOILET
S-104	TYPE: SN-4
	LOCATION: SEE PLAN
	ROOM #: 106
	QUANTITY: 1
	TEXT LINES*(INDIVIDUAL): MEN'S TOILET
S-105	TYPE: SN-5
	LOCATION: SEE PLAN
	ROOM #: EXISTING STAIR
	QUANTITY: 1
	TEXT LINES* (INDIVIDUAL): STAIRS
S-106	TYPE: SN-6
	LOCATION: SEE PLAN
	ROOM #: 114
	QUANTITY: 1
	TEXT LINES* (INDIVIDUAL): JAN./STO.
S-107	TYPE: SN-7
	LOCATION: SEE PLAN
	ROOM #: 113
	QUANTITY: 1
	TEXT LINES* (INDIVIDUAL): ELECTRICAL
S-108	TYPE: SN-8
	LOCATION: SEE PLAN
	ROOM #: 108
	QUANTITY: 1
	TEXT LINES* (INDIVIDUAL): CLOSET
S-109	TYPE: SN-9
	LOCATION: SEE PLAN
	ROOM #: 110
	QUANTITY: 1
	TEXT LINES* (INDIVIDUAL): CORRIDOR
S-110	TYPE: SN-10
	LOCATION: SEE PLAN
	ROOM #: 109
	QUANTITY: 1
	TEXT LINES* (INDIVIDUAL): IT CLOSET
S-111	TYPE: SN-11
	LOCATION: SEE PLAN
	ROOM #: 111
	QUANTITY: 2
	TEXT LINES* (INDIVIDUAL): COMPRESSOR ROOM
S-112	TYPE: SN-12
	LOCATION: SEE PLAN
	ROOM #: 112
	QUANTITY: 1
	TEXT LINES* (INDIVIDUAL): PARTS & TOOL STORAGE
S-200	TYPE: SN-13
	LOCATION: SEE PLAN
	ROOM #:
	QUANTITY: 1
	TEXT LINES* (INDIVIDUAL): LOBBY ELEVATOR
S-201	TYPE: SN-14
	LOCATION: SEE PLAN
	ROOM #: 210
	QUANTITY: 1
	TEXT LINES* (INDIVIDUAL): IT CLOSET

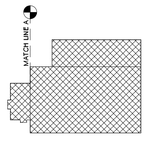
INTERIOR SIGNAGE SCHEDULE

499-010 ROCKLAND GREEN MRF ALTERATIONS

(X)	
S-202	TYPE: SN-15
	LOCATION: SEE PLAN
	ROOM #: 211
	QUANTITY: 1
	TEXT LINES* (INDIVIDUAL): STORAGE
S-203	TYPE: SN-16
	LOCATION: SEE PLAN
	ROOM #: 209
	QUANTITY: 1
	TEXT LINES*(INDIVIDUAL): ROCKLAND GREEN ROOM
S-204	TYPE: SN-17
	LOCATION: SEE PLAN
	ROOM #: 208
	QUANTITY: 1
	TEXT LINES*(INDIVIDUAL): H.C. UNISEX
S-205	TYPE: SN-18
	LOCATION: SEE PLAN
	ROOM #: 207
	QUANTITY: 1
	TEXT LINES*(INDIVIDUAL): UNISEX
S-206	TYPE: SN-19
	LOCATION: SEE PLAN
	ROOM #: 206
	QUANTITY: 1
	TEXT LINES*(INDIVIDUAL): CLOSET
S-207	TYPE: SN-20
	LOCATION: SEE PLAN
	ROOM #: 204
	QUANTITY: 1
	TEXT LINES*(INDIVIDUAL): COFFEE/COPY

PROJECT

NORTH



KEY PLAN

AREA OF CONSTRUCTION

STERLING
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INTERIOR SIGN SCHEDULES

	BY	DATE		
DRAWN	IDEA	07/08/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED	ADG	07/08/21	DWG. NO: A-903	D
DESIGNED	ADG	07/08/21		
APPROVED	ADG	07/08/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

REV	DESCRIPTION	DATE	BY	CK
D	ISSUED FOR CONSTRUCTION	09-28-21		
C	ISSUED FOR CONTRACT	08-27-21		
B	REVISED FOR RFP ADDENDUM 6	07-23-21		
A	ISSUED FOR RFP	07-06-21	IDEA	ADG

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK

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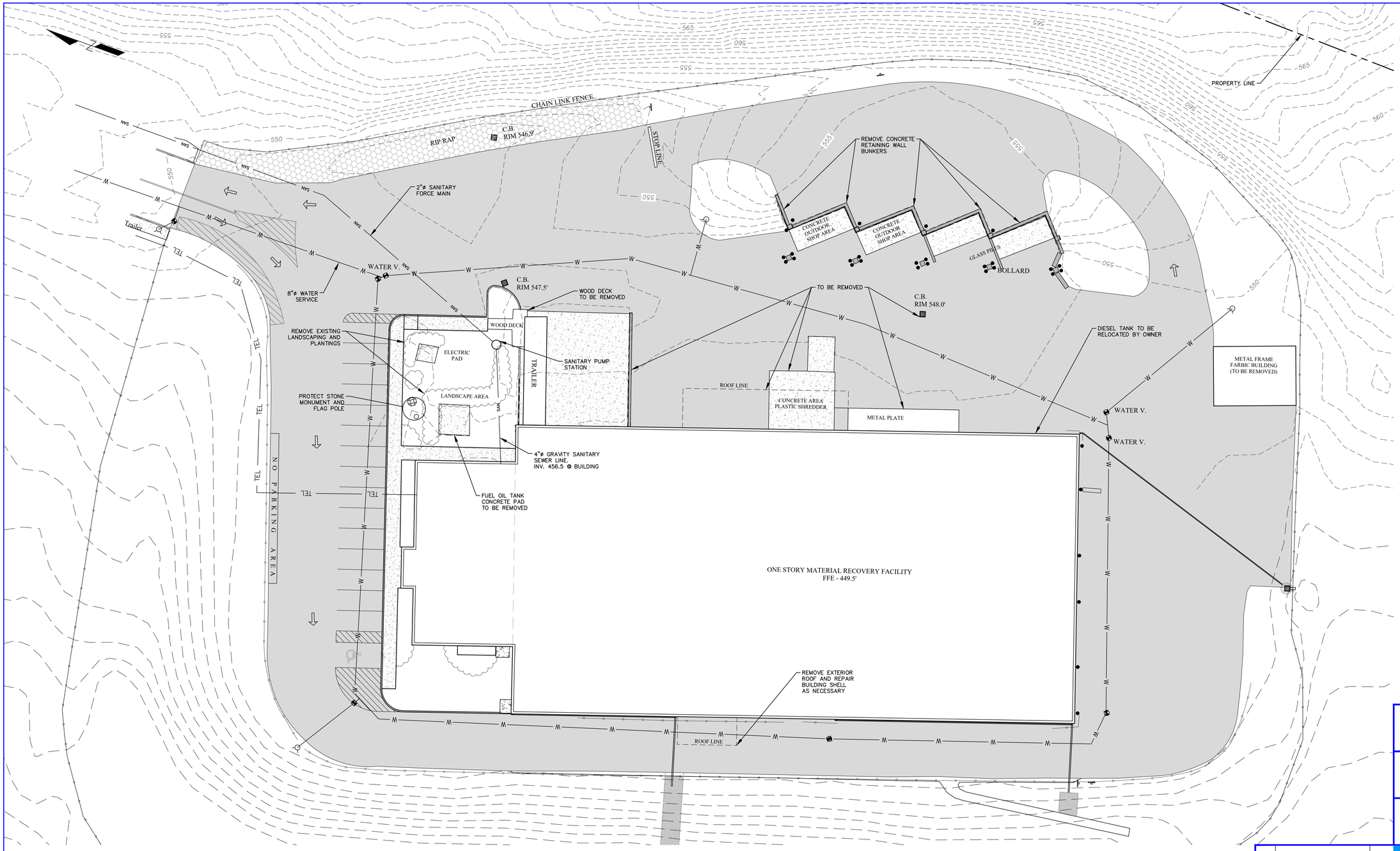

LEGEND

554	SURVEY CONTOUR – MAJOR
	SURVEY CONTOUR – MINOR
	2-FT LIDAR CONTOUR
	FENCELINE
	EDGE OF PAVEMENT
W	WATER MAIN
	GUIDERAIL
	HYDRANT
	CATCH BASIN
	WATER VALVE
	BOLLARD

MAP REFERENCE

- BASE SITE SURVEY BY GARY R. RICH, LLS. JULY 12, 2016.
- ADDITIONAL SURVEY OF PROJECT AREA BY MJ ENGINEERING AND LAND SURVEYING, 7/14/2021.
- PERIMETER CONTOURS FROM NYSGIS ROCKLAND COUNTY LIDAR, 2014
- UTILITY INFORMATION FROM DRAWING TITLED "RECYCLING FACILITY BUILDING UTILITY PLAN" BY MAGUIRE GROUP ARCHITECTS/ENGINEERS/PLANNERS PC, DATED JUNE 13, 1997.

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WWW.ADGARCHITECT.COM
CONTACT@ADGARCHITECT.COM

REV	DESCRIPTION	DATE BY CHK
D	ISSUED FOR CONSTRUCTION	10/27/21 TAS AMM
C	ISSUED FOR CONTRACT	08/27/21 TAS AMM
B	REVISED FOR RFP ADDENDUM 6	07/23/21 TAS AMM
A	ISSUED FOR RFP	07/05/21 TAS AMM

STATE OF NEW YORK
ANDREW M. MILLSPAUGH
094708
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 094708

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NY COA # 0017967

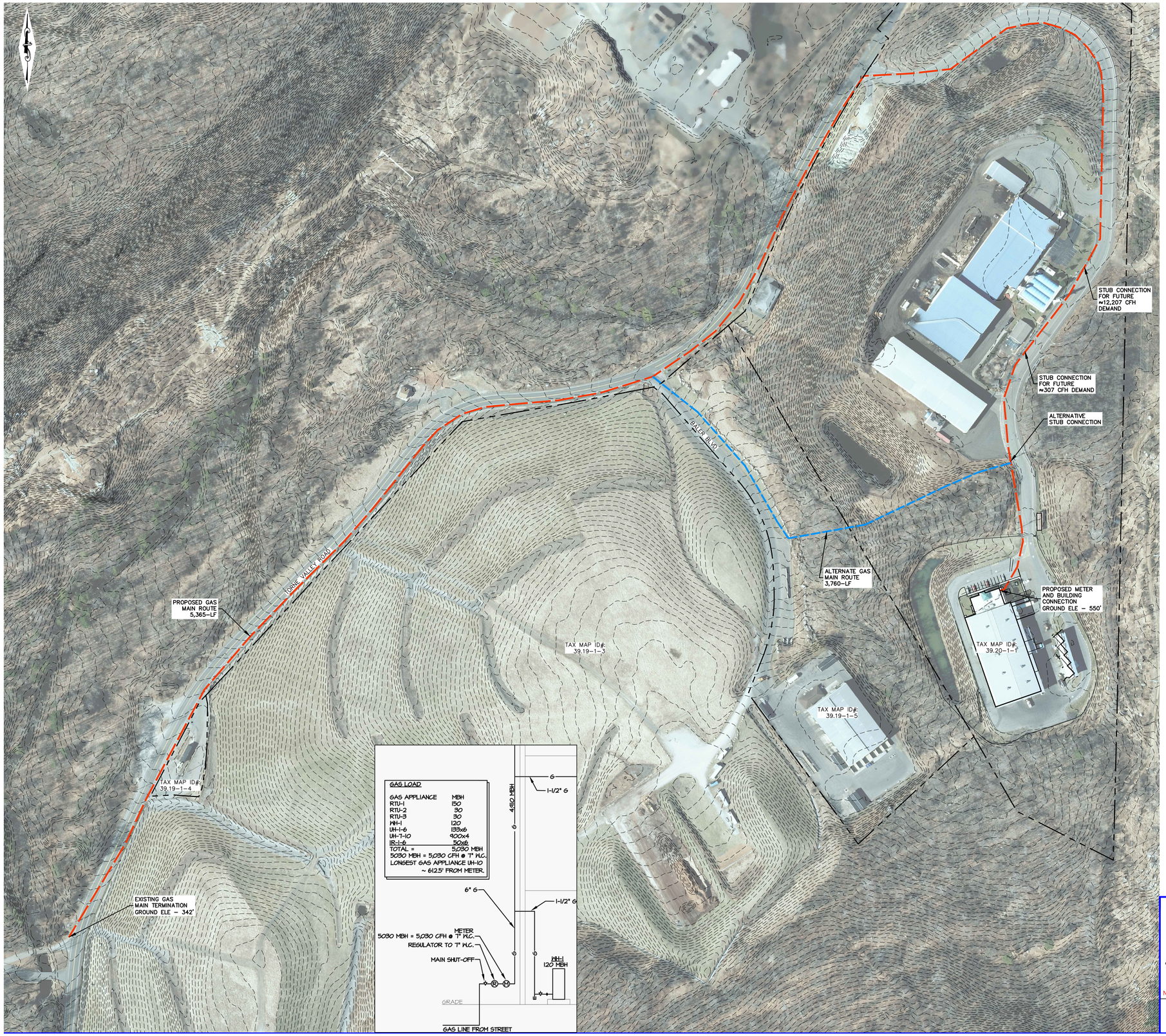
Rockland Green

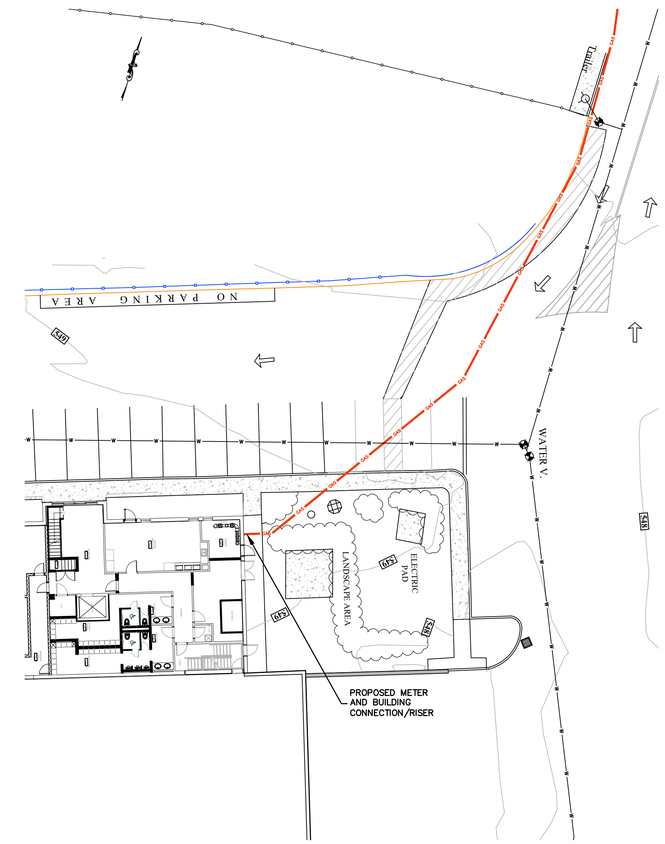
ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

SITE IMPROVEMENTS EXISTING CONDITIONS PLAN

	BY	DATE
DRAWN	TAS	05/18/21
CHECKED	AMM	05/18/21
DESIGNED	TAS	05/18/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE: 1" = 20'
DWG. NO: C-100 D
CAD FILE: 2021-10001
SHEET SIZE: D-24x36 REV





GAS METER AND BUILDING CONNECTION PLAN

SCALE: 1" = 20'

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C	ISSUED FOR CONTRACT	08/27/21	TAS	AMM
B	REVISED FOR RFP ADDENDUM 6	07/23/21	TAS	AMM
A	GAS APPLICATION	05/07/21	TAS	AMM

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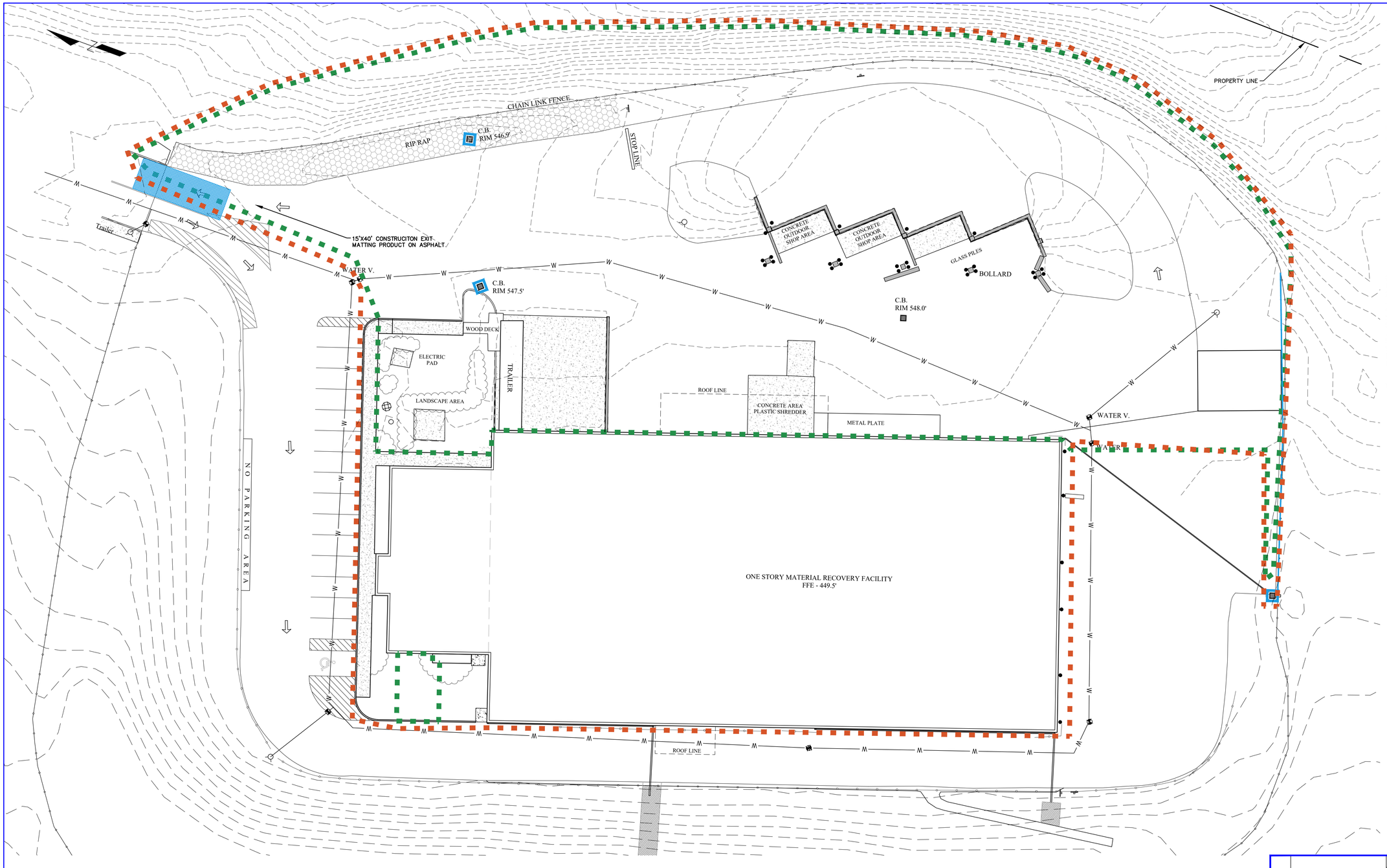
NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PROPOSED GAS MAIN EXTENTION ROUTE AND CONNECTION LOCATION

	BY	DATE
DRAWN	TAS	05/07/21
CHECKED	AMM	05/07/21
DESIGNED	TAS	05/07/21
APPROVED	AMM	05/07/21
APPROVED		

PROJ. No: 499-010 SCALE: 1" = 120'
DWG. NO: C-101 D
CAD FILE: 2021–10002
SHEET SIZE: D–24x36 REV



LEGEND

554	SURVEY CONTOUR – MAJOR
	SURVEY CONTOUR – MINOR
	2–FT LIDAR CONTOUR
	FENCELINE
	EDGE OF PAVEMENT
W	WATER MAIN
	GUIDERAIL
	LIMIT OF CONSTRUCTION
	LIMIT OF GROUND DISTURBANCE
	COMPOST FILTER SOCK OR SILT FENCE
	HYDRANT
	CATCH BASIN
	CATCH BASIN INLET PROTECTION
	WATER VALVE
	BOLLARD

CONSTRUCTION SEQUENCE:

1. SITE PRECONSTRUCTION MEETING AND PROJECT REVIEW.
2. PERFORM ONE–CALL "DIGSAFE" UTILITY LOCATION.
3. PERFORM SURVEY STAKEOUT OF PROJECT LIMITS.
4. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROLS.
5. DEMOLISH FABRIC BUILDING AND BUNKERS.
6. EXCAVATE AND INSTALL BUILDING EXPANSION FOUNDATION.
7. INSTALL NEW WATER MAIN AND CATCH BASINS.
8. CONSTRUCT NEW BUILDING EXPANSION STRUCTURE.
9. INSTALL NEW GAS MAIN.
10. PAVE SITE PERIMETER.
11. INSTALL NEW MRF EQUIPMENT.

ENDANGERED SPECIES NOTES:

1. ALL SITE WORK MUST FOLLOW NYSDEC RECOMMENDATIONS FOR PROTECTION OF ENDANGERED SPECIES ON SITE.

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STATE OF NEW YORK
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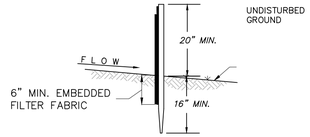
Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

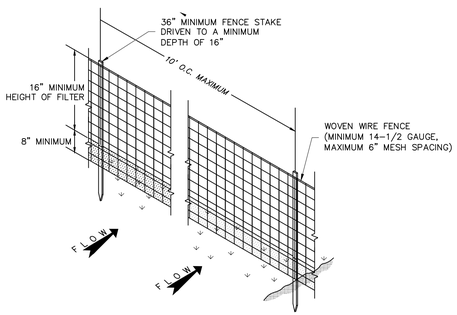
SITE IMPROVEMENTS
EROSION AND SEDIMENT CONTROL PLAN

	BY	DATE
DRAWN	TAS	05/21/21
CHECKED	AMM	05/21/21
DESIGNED	TAS	05/21/21
APPROVED		
APPROVED		

PROJ. No: 499-010
SCALE: 1" = 20'
DWG. NO: C-200
REV: D
CAD FILE: 2021–10003
SHEET SIZE: D–24x36



SECTION VIEW



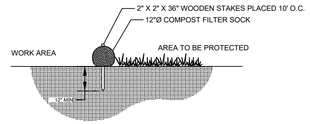
PERSPECTIVE VIEW

SILT FENCE DETAIL

NOT TO SCALE

SILT FENCE NOTES:

1. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
2. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE STAKES WITH WIRE TIES OR STAPLES.
3. FILTER FABRIC SHALL BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
4. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



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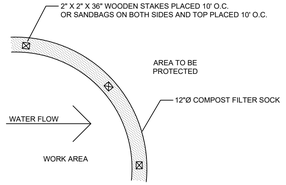


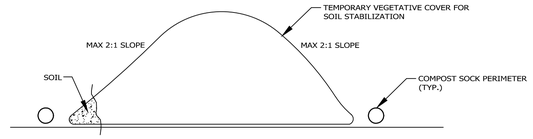
PLAN

COMPOST FILTER SOCK DETAIL

NOT TO SCALE

COMPOST FILTER SOCK NOTES:

1. MANUFACTURED COMPOST FILTER SOCK TO BE FILTREXX SILTSOXX, OR APPROVED EQUIVALENT.
2. FILTER SOCKS ARE TO MEET ALL NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR COMPOST FILTER SOCKS.
3. WHERE INDEPENDENT SECTIONS OF FILTER SOCKS MEET, THEY SHALL BE OVERLAPPED A MINIMUM OF 2-FEET AND ADDITIONAL FILTER MEDIA SHALL BE PLACED ON THE END OF THE SOCK WHERE IT MEETS THE INSIDE FACE OF THE ADJACENT SOCK.
4. TERMINAL ENDS OF FILTER SOCK ARE TO BE TURNED IN TOWARD WORK AREA 45° AND EXTENDED A MINIMUM OF 8'.

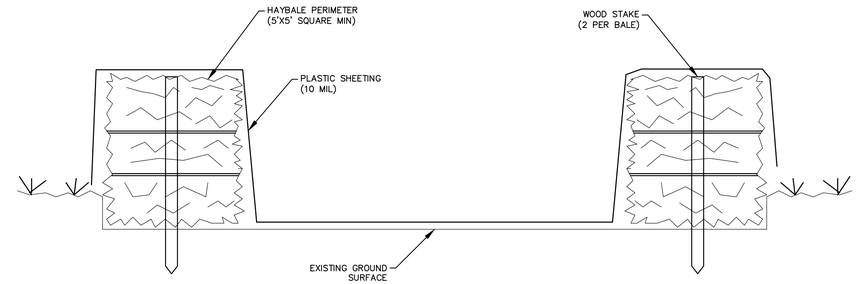


TYPICAL TEMPORARY STOCKPILE DETAIL

(NOT TO SCALE)

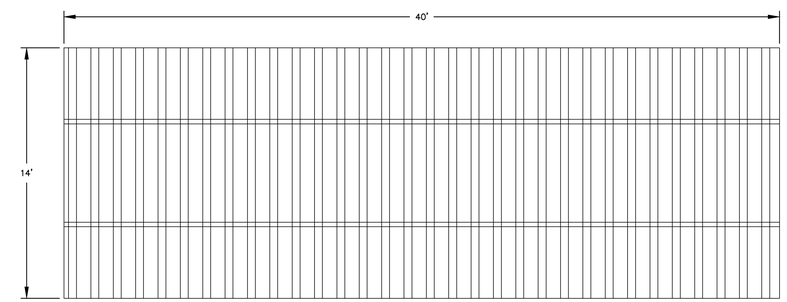
CONSTRUCTION SPECIFICATIONS

1. STOCKPILE AREAS ARE TO HAVE A DOWN-SLOPE PERIMETER CONTROL SYSTEM SUCH AS COMPOST FILTER SOCK OR SILT FENCING TO CONTAIN SOIL.
2. IF STOCKPILE AREAS ARE WITHIN THE PROJECT'S LIMIT OF DISTURBANCE, THE PROPOSED PERIMETER CONTROL MAY SUFFICE. IF STOCKPILES ARE NOT WITHIN THE PROJECT'S LIMIT OF DISTURBANCE THEN EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED AT THE TOE OF THE SLOPE.
3. THE SLOPE OF A STOCKPILE SHOULD NOT EXCEED 2V:1H SLOPE.
4. STOCKPILES SURFACE CAN BE STABILIZED BY VEGETATION, GEOTEXTILE OR PLASTIC COVERS. THIS CAN BE AIDED BY ORIENTATING THE STOCKPILE LENGTHWISE INTO PREVAILING WINDS.
5. FOR WINTER STABILIZATION MEASURES, EROSION AND SEDIMENT CONTROL BARRIERS MUST BE AT LEAST 15 FEET FROM THE TOE OF THE STOCKPILES TO PREVENT SOIL MIGRATION AND TO CAPTURE LOOSE SOIL.



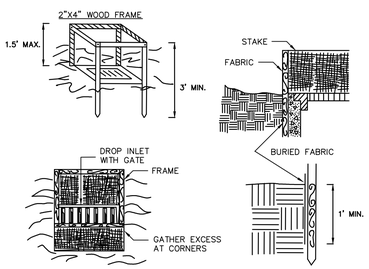
CONCRETE TRUCK WASHOUT DETAIL

(NOT TO SCALE)



CONSTRUCTION EXIT GRATING DETAIL

(NOT TO SCALE)



CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

MAXIMUN DRAINAGE AREA 1 ACRE

DROP INLET PROTECTION DETAIL

(NOT TO SCALE)

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REV	DESCRIPTION	DATE / BY / CHK
D	ISSUED FOR CONSTRUCTION	10/27/21 TAS AMM
C	ISSUED FOR CONTRACT	08/27/21 TAS AMM
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STATE OF NEW YORK · ANDREW M. MILLSPAUGH · 094708 · LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 094708

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ph: 631-756-1060 fax: 631-756-1064

RRT Engineering , LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

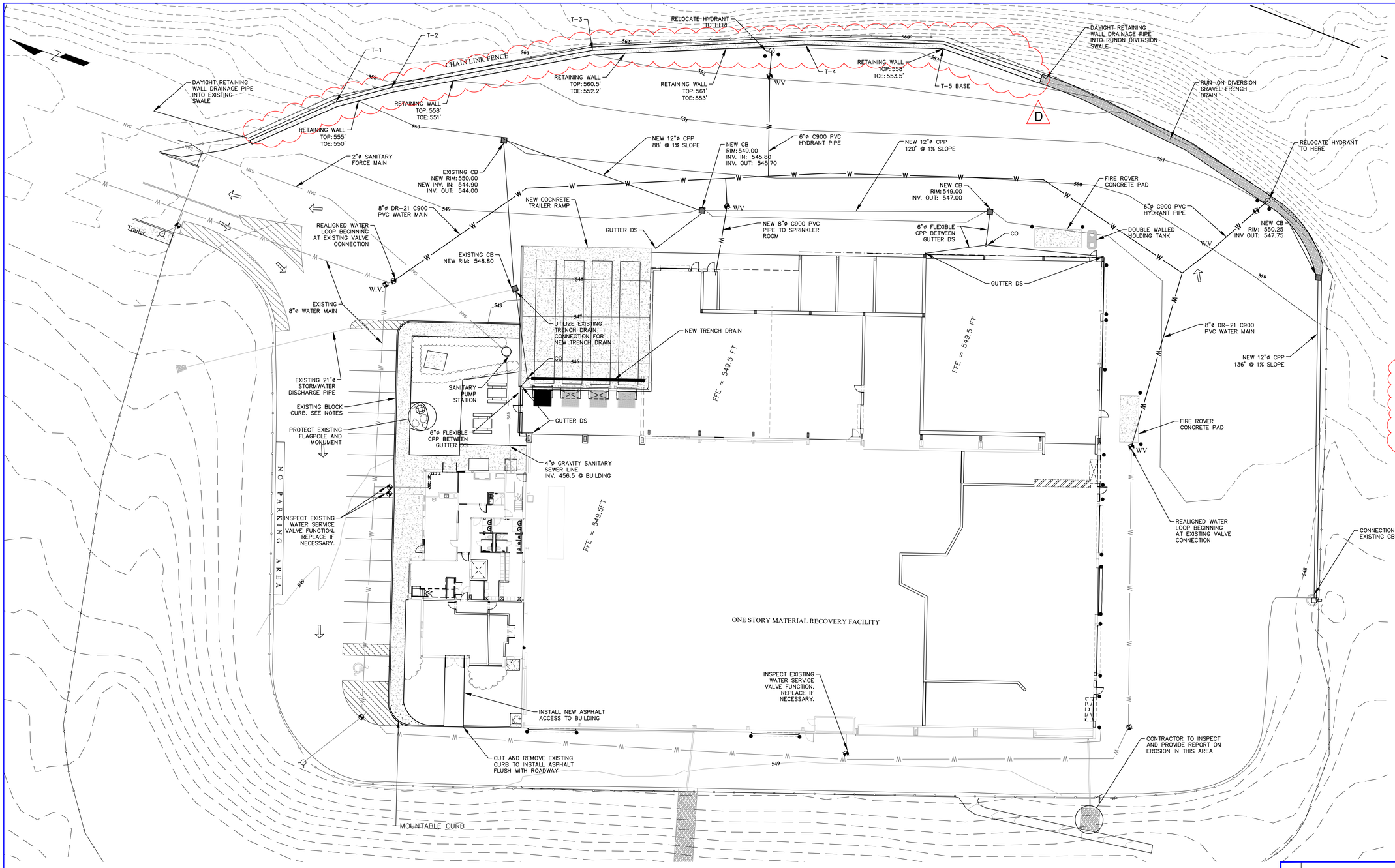
Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

SITE IMPROVEMENT PLAN
E&SC DETAILS

	BY	DATE
DRAWN	TAS	05/26/21
CHECKED	AMM	05/26/21
DESIGNED	TAS	05/26/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE: AS NOTED
DWG. NO: C-201 D
CAD FILE: 2021-10007
SHEET SIZE: D-24x36 REV



LEGEND

554	PROPOSED CONTOUR – MAJOR
	PROPOSED CONTOUR – MINOR
	FENCELINE
	EDGE OF PAVEMENT
SAN	EXISTING SANITARY SERVICE
W	EXISTING WATER MAIN
W	PROPOSED WATER MAIN
	GUIDERAIL
	HYDRANT
	CATCH BASIN
	WATER VALVE
	BOLLARD

NOTES:
1. ALL EXISTING WATER SERVICE VALVES ARE TO BE TESTED AND REPLACED IF NECESSARY.
2. ANY STONE CURBING THAT IS REMOVED FOR UTILITY INSTALLATION OR SITE WORK AT THE NORTHWEST END OF THE BUILDING IS TO BE SAVED AND REUSED. IF THE STONE IS DAMAGED AND CANNOT BE REUSED, IT SHALL BE REPLACED IN-KIND.
3. EXISTING MONUMENT AND FLAGPOLE IN LANDSCAPED AREA ARE TO REMAIN UNDISTURBED.
4. OWNER TO BE RESPONSIBLE FOR RELOCATION OF EXISTING DIESEL TANK.
5. ALL NEW WATER SERVICE LINES REQUIRE PRESSURE AND LEAK TESTING, AND PRE-DISINFECTION FLUSHING PER AWWA C605, CURRENT EDITION. FOLLOWING FLUSHING, PERFORM DISINFECTION AND BACTERIAL SAMPLING PER AWWA C651, CURRENT EDITION.
6. PRIOR TO ANY HYDRANTS BEING REMOVED FROM ACTIVE SERVICE, THE LOCAL FIRE DEPARTMENT AND FIRE INSPECTOR ARE TO BE NOTIFIED.

D

MAP REFERENCE:
- BASE SITE SURVEY BY GARY R. RICH, LLS. JULY 12, 2016.
- PERIMETER CONTOURS FROM NYSGIS ROCKLAND COUNTY LIDAR, 2014
- UTILITY INFORMATION FROM DRAWING TITLED "RECYCLING FACILITY BUILDING UTILITY PLAN" BY MAGUIRE GROUP ARCHITECTS/ENGINEERS/PLANNERS PC, DATED JUNE 13, 1997.

STATE OF NEW YORK · ANDREW M. MILLSPAUGH · 094708 · LICENSED PROFESSIONAL ENGINEER

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Rockland Green

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MATERIALS RECOVERY FACILITY,
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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

SITE IMPROVEMENT PLAN
GRADING AND LAYOUT PLAN

	BY	DATE
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CHECKED	AMM	05/18/21
DESIGNED	TAS	05/18/21
APPROVED		
APPROVED		

PROJ. No: 499-010
SCALE: 1" = 20'
DWG. NO: C-400
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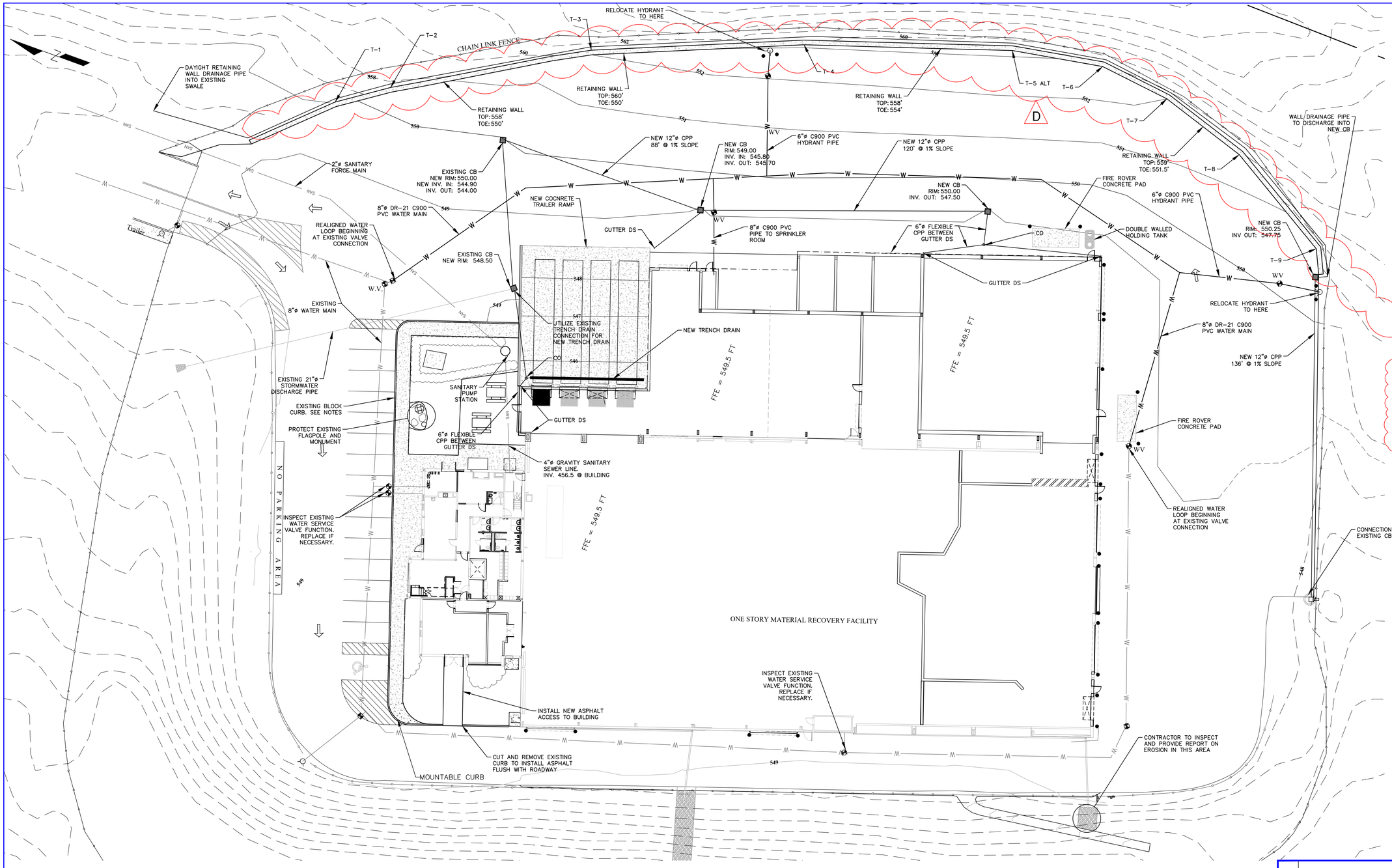
CAD FILE: 2021-10004
SHEET SIZE: D-24x36
REV



LEGEND

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	PROPOSED CONTOUR – MINOR
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	EDGE OF PAVEMENT
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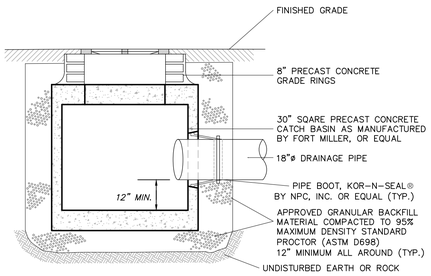
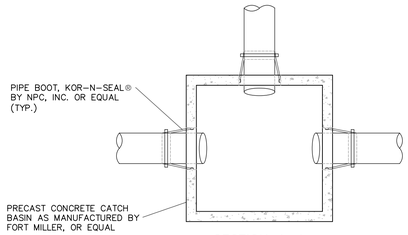


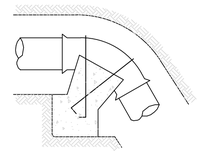
TYPICAL SHALLOW CATCH BASIN

NOT TO SCALE

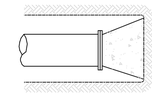


SECTION A–A

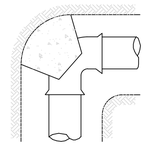
NOT TO SCALE



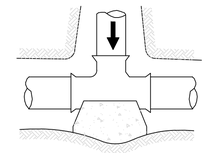
VERTICAL CHANGE IN DIRECTION WITH ELB.



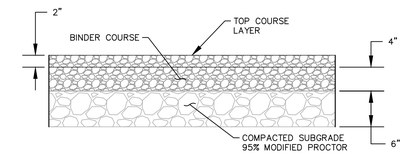
END OF LINE



HORIZONTAL DIRECTION CHANGE WITH ELBOW



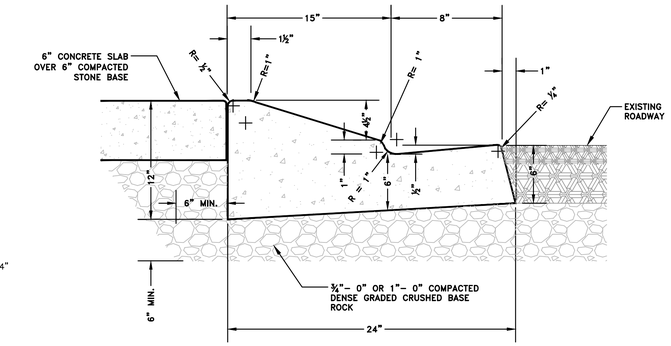
THRU LINE CONNECTION WITH TEE



NOTES:
1. SAW CUT EXISTING PAVEMENT TO FULL DEPTH AT LIMITS OF EXCAVATION AND MILL TOP 2–INCHES A MINIMUM OF 3–FEET BEYOND LIMITS TO JOIN NEW PAVEMENT TO EXISTING PAVEMENT.

PAVEMENT DETAIL

(NOT TO SCALE)

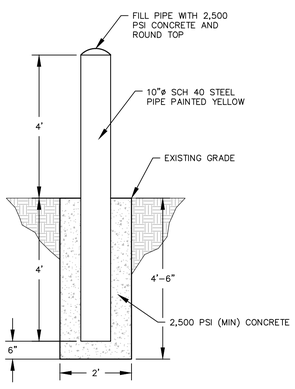


NOTES:

1. **CONCRETE USED FOR CURB SHALL MEET A 3,000 PSI COMPRESSION STRENGTH AT 28 DAYS.**
2. **CONTRACTION JOINTS (1½"DEEP) SHALL BE CONSTRUCTED AT ALL CHANGES OF DIRECTION, POINTS OF CURVATURE AND AT A MAXIMUM SPACING OF 10 FEET.**
3. **THIS CURB DESIGN IS LIMITED TO USE IN SPECIAL CIRCUMSTANCES SPECIFICALLY APPROVED BY THE CITY ENGINEER.**
4. **FINISH ENTIRE CONCRETE SURFACE TO SMOOTH AND UNIFORM TEXTURE WITH A BROOM FINISH, UNLESS OTHERWISE DIRECTED.**

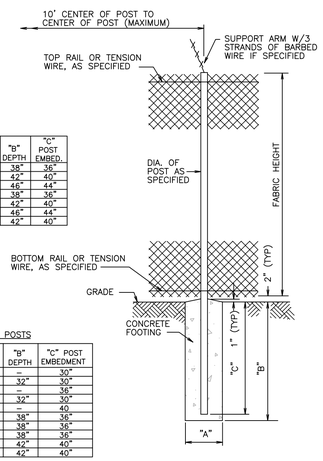
LOW PROFILE MOUNTABLE CURB DETAIL

(NOT TO SCALE)



BOLLARD DETAIL

(NOT TO SCALE)



GATE POST

GATE LEAF WIDTH	GATE POST (OD)	FABRIC HEIGHT	"A" DIAM	"B" DEPTH	"C" POST EMBED.
3' TO 6'	2.785"	3' TO 5'	12"	38"	36"
		6' TO 9'	14"	42"	40"
		10' TO 12'	16"	46"	44"
7' TO 12'	4.000"	3' TO 5'	14"	38"	36"
		6' TO 9'	16"	42"	40"
		10' TO 12'	18"	46"	44"
13'	6.625"	8'–0"	16"	42"	40"

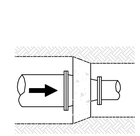
LINE AND TERMINAL POSTS

FABRIC HEIGHT	TYPE POST	"A" DIAM	"B" DEPTH	"C" POST EMBEDMENT
3'–0" TO 4'–0"	LINE	–	–	30"
	TERMINAL	10"	32"	30"
5'–0"	LINE	–	–	36"
	TERMINAL	10"	32"	30"
6'–0" TO 9'–0"	LINE	–	–	40
	TERMINAL	12"	38"	36"
10'–0" TO 12'–0"	LINE	18"	38"	36"
	TERMINAL	18"	38"	36"
13'–0" TO 18'–0"	LINE	24"	42"	40"
	TERMINAL	24"	42"	40"

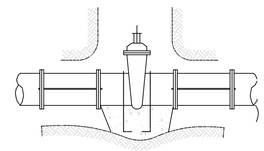
NOTES:
1. TERMINAL POSTS INCLUDE END, CORNER, AND PULL POSTS.
2. NO MORE THAN FOUR (4) LINE POSTS MAY BE SET IN SEQUENCE. EVERY FIFTH POST (MIN) TO MEET TERMINAL POST DIMENSIONS.

FENCE DETAIL

(NOT TO SCALE)



LINE SIZE REDUCTION



VALVE ANCHOR

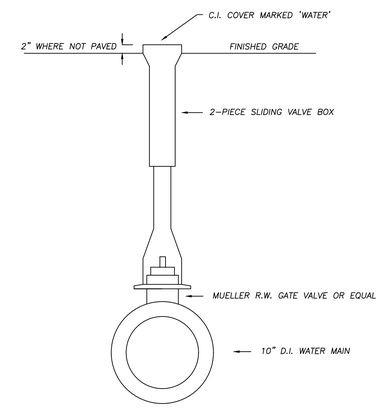
NOTES:
1. *THRUST BLOCKS TO BE PROVIDED PER SPECIFICATIONS AND A.W.W.A. PAMPHLET # M23.*
2. *THRUST BLOCKS TO BE OF 2500 PSI CONCRETE MINIMUM.*
3. *THRUST BLOCKS TO BE PROVIDED AT ALL CHANGES IN DIRECTION – BOTH HORIZONTAL AND VERTICAL – ALL CHANGES IN PIPE SIZE, ALL STOPS AND PLUGS, VALVES AND ALL OTHER POINTS REQUIRING RESISTANCE TO PRESSURE.*

THRUST BLOCK SIZING FOR 12" PIPE

FITTING	THRUST (@150 PSI)	HARD SHALE	SAND & GRAVEL	SAND	SOFT CLAY
TEES AND DEAD ENDS	22,965 #	2.5 SF	8.0 SF	11.5 SF	23 SF
90° BEND	32,460 #	3.5 SF	11 SF	16.5 SF	32.5 SF
45° BEND	17,580 #	2.0 SF	6.0 SF	9.0 SF	18 SF
22.5° BEND	8,910 #	1.0 SF	3.0 SF	4.5 SF	9.0 SF

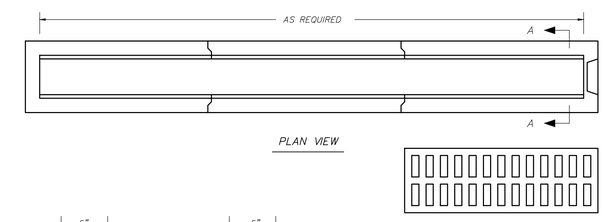
THRUST BLOCK DETAIL

(NOT TO SCALE)

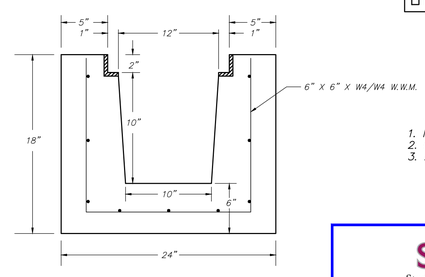


VALVE BOX DETAIL

(NOT TO SCALE)



PLAN VIEW

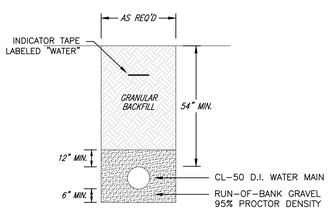


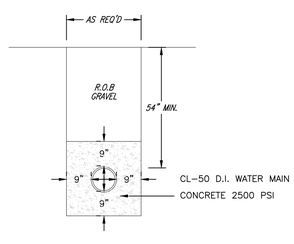
SECTION A–A

NOTES :
1. *MINIMUM 4,000 PSI CONCRETE @ 28 DAYS*
2. *60 GRADE REINFORCEMENT*
3. *APPROX. WEIGHT = 325 LBS/LIN.FT.*

TRENCH DRAIN DETAIL

(NOT TO SCALE)



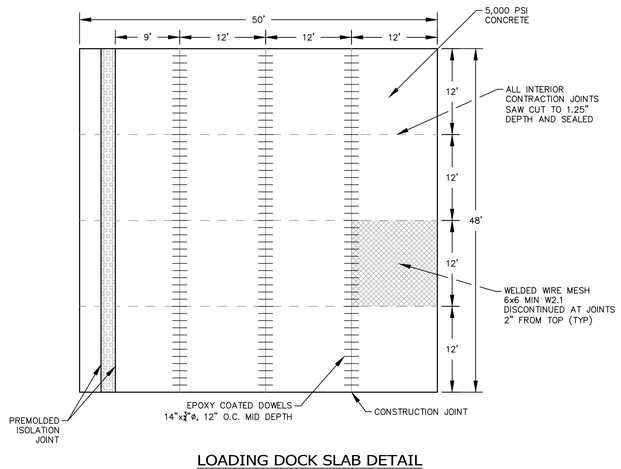


NOTES

1. *MECHANICAL JOINTS TO BE USED AT ALL CONNECTIONS.*

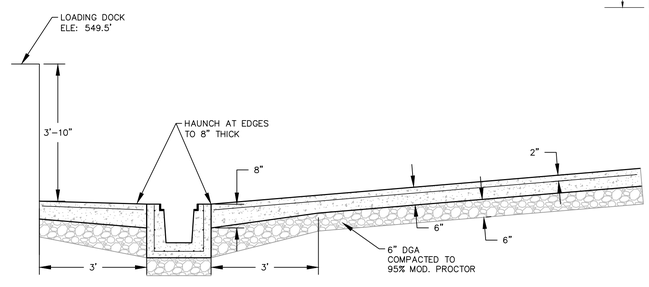
PIPE TRENCH DETAILS

(NOT TO SCALE)



LOADING DOCK SLAB DETAIL

(NOT TO SCALE)



LOADING DOCK SECTION

(NOT TO SCALE)

STATE OF NEW YORK · ANDREW M. MILLSPAUGH · 094708 · LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 094708

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REV	DESCRIPTION	DATE	BY	CHK
D	ISSUED FOR CONSTRUCTION	10/27/21	TAS	AMM
C	ISSUED FOR CONTRACT	08/27/21	TAS	AMM
B	REVISED FOR RFP ADDENDUM 6	07/23/21	TAS	AMM
A	ISSUED FOR RFP	07/05/21	TAS	AMM

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RRT Engineering , LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

SITE IMPROVEMENT PLAN
SITE DETAILS

	BY	DATE		
DRAWN	TAS	05/18/21	PROJ. No: 499-010	SCALE: N.T.S.
CHECKED	AMM	05/18/21	DWG. NO: C-401	D
DESIGNED	TAS	05/18/21	CAD FILE: 2021–10009	
APPROVED			SHEET SIZE: D–24x36	REV
APPROVED				

LEGEND

554	PROPOSED CONTOUR – MAJOR
	PROPOSED CONTOUR – MINOR
	FENCELINE
	EDGE OF PAVEMENT
	LIMIT OF CONSTRUCTION
	GUIDERAIL
	HYDRANT
	CATCH BASIN
	BOLLARD
	NEW PAVEMENT MARKING
	EXISTING PAVEMENT MARKING

LIMIT OF CONSTRUCTION

FFE = 549.5 FT

FFE = 549.5 FT

FFE = 549.5FT

MOUNTABLE CURB

1 ONE WAY

2 STOP

3 RESERVED PARKING

4 EXIT

5 DO NOT ENTER

6 NO PARKING ANY TIME

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STATE OF NEW YORK
ANDREW M. MILLSPAUGH
094708
LICENSED PROFESSIONAL ENGINEER

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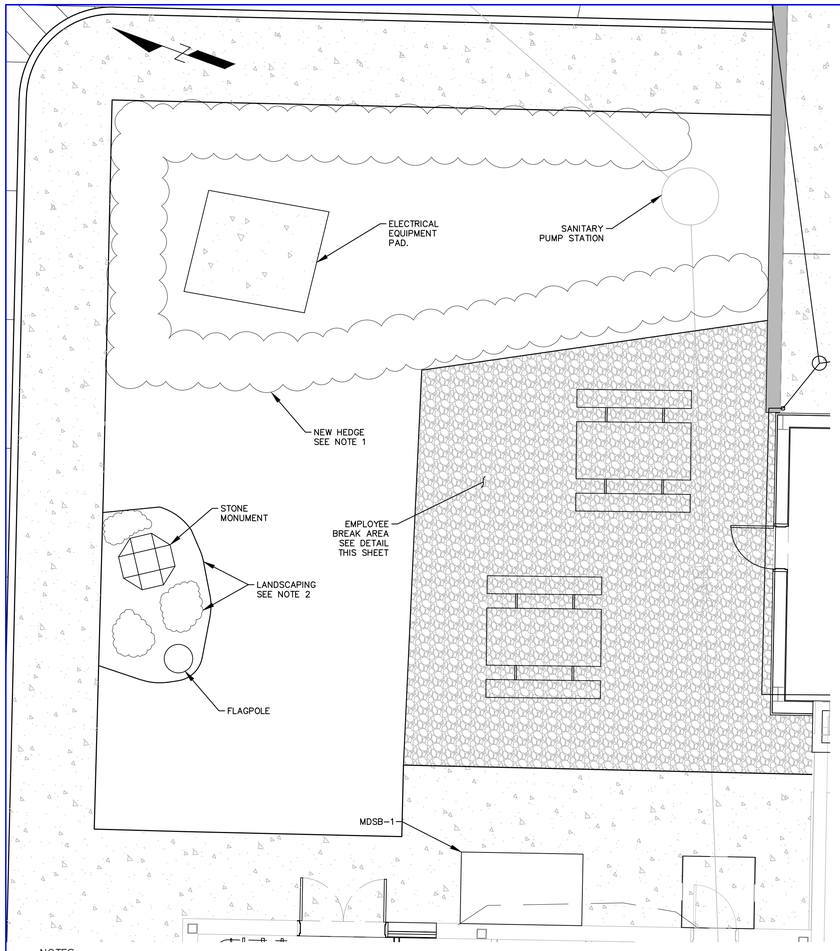
Rockland Green
ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

SITE RESTORATION PLAN SIGNAGE AND STRIPING

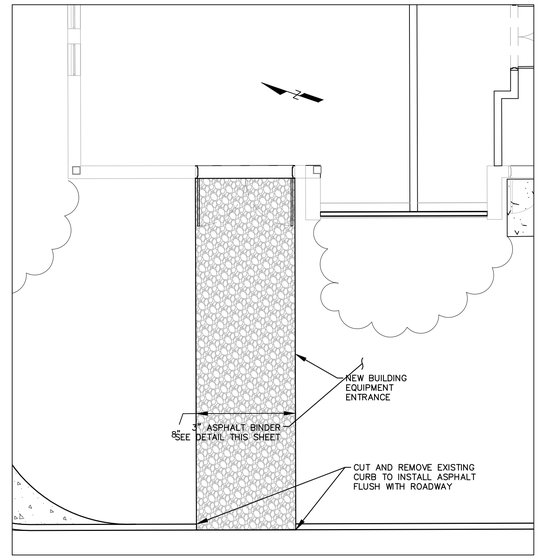
	BY	DATE
DRAWN	TAS	05/18/21
CHECKED	AMM	05/18/21
DESIGNED	TAS	05/18/21
APPROVED		
APPROVED		

PROJ. No: 499-010
SCALE: 1" = 20'
DWG. NO: C-500
REV: D
CAD FILE: 2021–10005
SHEET SIZE: D–24x36

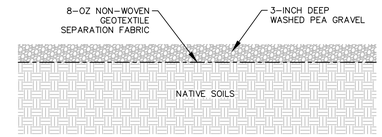


NOTES:
1. HEDGE TO BE HICK'S YEW (TAXUS MEDIA HICKSII). SHURBS TO BE MINIMUM 24-INCH TALL, PLANTED 3-FT ON CENTER (33 TOTAL PLANTING). SEE PLANTING DETAIL.
2. REMOVE AND REPLACE EXISTING MULCH AND PLANTINGS AROUND STONE MONUMENT AND FLAGPOLE. INSTALL THREE (3) CREAPING JUNIPER AS SHOWN AND MULCH AREA TO 3-INCH DEPTH WITH NATURAL COLOR WOOD MULCH.

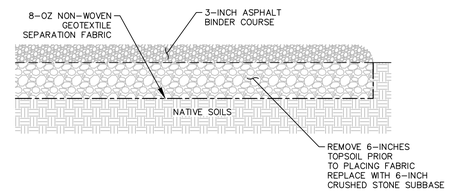
MAP REFERENCE:
- BASE SITE SURVEY BY GARY R. RICH, LLS. JULY 12, 2016.
- PERIMETER CONTOURS FROM NYSGIS ROCKLAND COUNTY LIDAR, 2014
- UTILITY INFORMATION FROM DRAWING TITLED "RECYCLING FACILITY BUILDING UTILITY PLAN" BY MAGUIRE GROUP ARCHITECTS/ENGINEERS/PLANNERS PC, DATED JUNE 13, 1997.



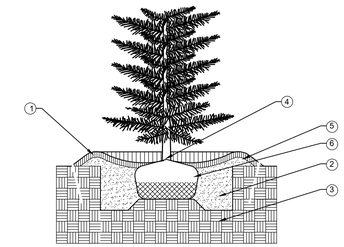
EQUIPMENT ENTRANCE PLAN
NTS



EMPLOYEE BREAK AREA DETAIL
NTS



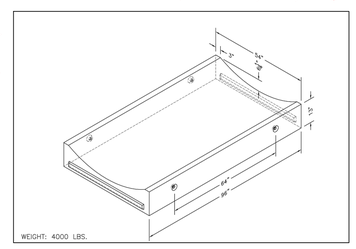
EQUIPMENT ENTRANCE DETAIL
NTS



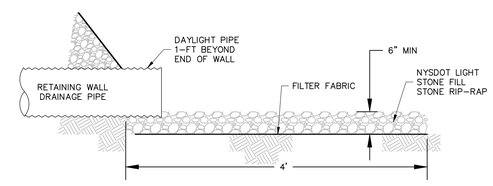
1. 3" SHREDDED HARDWOOD MULCH
2. PREPARED BACKFILL SOIL MIXTURE
3. UNDISTURBED SOIL PEDESTAL
4. SET TREE ABOVE THE ORIGINAL GRADE ½ DEPTH OF ROOT BALL
5. SOIL SAUCER: USE PREPARED SOIL, 6" MIN.
6. ROPES AT TOP OF BALL SHALL BE CUT. REMOVE TOP ½ OF BURLAP. NON-BIODEGRADEABLE MATERIAL SHALL BE TOTALLY REMOVED

HEDGE PLANTING DETAIL
NTS

D

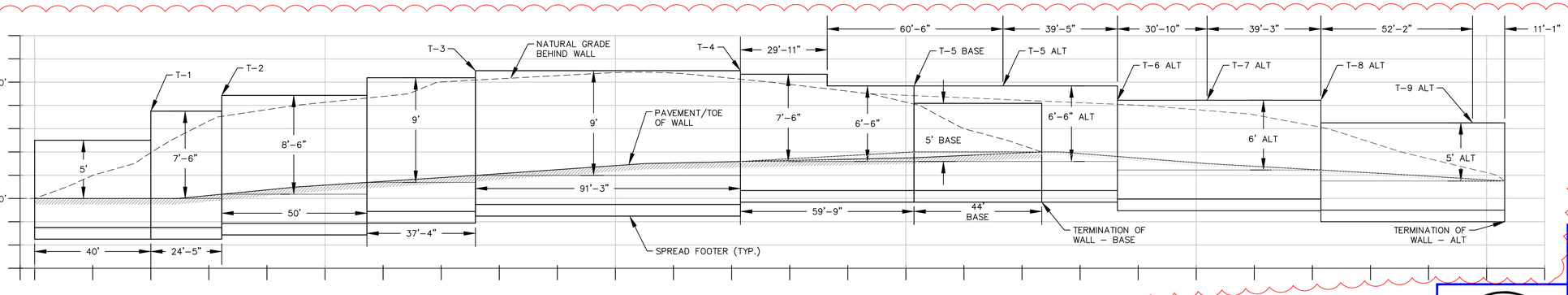


PRECAST CONCRETE GUTTER
NTS



RETAINING WALL DRAINAGE OUTLET DETAIL
NTS

D



RETAINING WALL PROFILE & ELEVATIONS
H-SCALE 1" = 20'
V-SCALE 1" = 5'
V.E. = 4

NOTES:
1. HORIZONTAL WALL DIMENSIONS ARE MEASURED TO INSIDE FACE.
2. HEIGHTS ARE MEASURED FROM TOP OF FOOTER.
3. CONTRACTOR TO VERIFY PROCEDURE FOR POURING STEPPED FOUNDATION WITH STRUCTURAL ENGINEER.

STATE OF NEW YORK · ANDREW M. MILLSPAUGH · 094708 · LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 094708

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NY COA # 0017967

Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

SITE RESTORATION PLAN
OUTDOOR BREAK AREA DETAILS

	BY	DATE		
DRAWN	TAS	07/22/21	PROJ. No: 499-010	SCALE: N.T.S.
CHECKED	AMM	07/22/21	DWG. NO: C-501	D
DESIGNED	TAS	07/22/21	CAD FILE: 2021-10010	
APPROVED				
APPROVED			SHEET SIZE: D-24x36	REV

DESIGN DATA:

DESIGN PROVISIONS PER: BUILDING CODE OF NEW YORK STATE (BCNYS) 2020
INTERNATIONAL BUILDING CODE (IBC) 2018
BUILDING OCCUPANCY: CATEGORY II–MODERATE HAZARD
TERRAIN CATEGORY: EXPOSURE B– URBAN OR SUBURBAN AREA, WOODED AREA w/ CLOSELY SPACED OBSTRUCTIONS

FLOOR LOADS:	
FLOOR LIVE LOAD:	
STORAGE HEAVY	250 PSF
DEAD LOAD:	
8" SLAB ON GRADE	100 PSF
10" SLAB ON GRADE	125 PSF
ROOF LOADS:	
DEAD LOAD:	
PEMB STRUCTURE INCLUDING BUT NOT LIMITED TO: PRIMARY FRAMING, SECONDARY FRAMING, METAL ROOF PANEL AND INSULATION (BY MANUFACTURER)	– PSF
COLLATERAL (IN ADDITION TO SUPPORT OF EQUIPMENT DEFINED ON DRAWINGS)	10 PSF
SNOW LOAD:	
GROUND SNOW LOAD (pg)	30 PSF
EXPOSURE FACTOR (Ce)	1.0
THERMAL FACTOR (Ct)	1.2
IMPORTANCE FACTOR (I)	1.0
FLAT ROOF SNOW LOAD (pf)	30 PSF
ROOF LIVE LOAD:	20 PSF

LATERAL LOADS:	
WIND LOAD:	
BASIC WIND SPEED (3 SECOND GUST)	112 MPH
IMPORTANCE FACTOR (Iw)	1.0
INTERNAL PRESSURE COEFF. (GCPi)	+/–0.18
WIND VELOCITY PRESSURE (Qs)	– PSF
NET WIND UPLIFT	– PSF
WIND BASE SHEAR (V)	– kips (E/W) – kips (N/S)
EARTHQUAKE LOAD:	
SITE CLASS (STIFF SOIL PROFILE)	D
MAPPED SPECTURAL RESPONSE –SHORT PERIOD (Ss)	0.283g
MAPPED SPECTURAL RESPONSE –SHORT PERIOD (S1)	0.060g
DESIGN SPECTURAL RESPONSE –SHORT PERIOD (Sds)	0.297g
DESIGN SPECTURAL RESPONSE –SHORT PERIOD (Sd1)	0.097g
SEISMIC DESIGN CATEGORY (SDC)	B
IMPORTANCE CATEGORY (Ie)	1.0
ANALYSIS PROCEDURE– EQUIVALENT LATERAL FORCE	
BASIC STRUCTURAL SYSTEM– STEEL FRAME	
SEISMIC FORCE–RESISTING SYSTEM– STEEL –NOT SPECIFICALLY DETAILED	
RESPONSE MODIFICATION COEFF. (R)	3
SEISMIC RESPONSE COEFF. (Cs)	0.099
SEISMIC BASE SHEAR (V)	– kips

NOTE: EVALUATION OF EXISTING PEMB STRUCTURE SHALL INCLUDE DESIGN LOADS LISTED ABOVE RELATIVE TO THE REQUIRED REINFORCEMENT OF EXISTING BUILDING COLUMNS ALONG COLUMN LINE 1.

GENERAL NOTES:

1. PROJECT HAS BEEN DESIGNED AND DRAWINGS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC) 2018 AND BUILDING CODE OF NEW YORK STATE (BCNYS) 2020.
2. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS. DRAWINGS AND SPECIFICATIONS SHALL BE COORDINATED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DESIGN DOCUMENTS.
3. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS, GENERAL ARRANGEMENT DRAWINGS AND/OR OTHER DISCIPLINE DRAWINGS AND THE STRUCTURAL DRAWINGS. DIMENSIONS RELATED TO OR REFERENCED FROM EXISTING CONSTRUCTION SHALL BE VERIFIED IN FIELD BY CONTRACTOR. DO NOT SCALE DRAWINGS.
4. DIMENSIONS TO, OF, AND IN EXISTING STRUCTURE SHALL BE VERIFIED IN FIELD BY CONTRACTOR.
5. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
6. NOTES AND DRAWING DETAILS ARE INTENDED TO BE TYPICAL UNLESS OTHERWISE NOTED. SIMILAR REQUIREMENTS AND DETAILS SHALL APPLY TO SIMILAR CONDITIONS.
7. CONTRACTOR SHALL SUBMIT TO ENGINEER IN WRITING ANY PROPOSED CHANGES TO OR DEVIATIONS FROM SIZE, SPACING, DIMENSIONS, MATERIALS OR EQUIPMENT SHOWN ON DRAWINGS. ONLY THOSE CHANGES OR DEVIATIONS ACCEPTED BY ENGINEER WILL BE PERMITTED.
8. THESE DRAWINGS DO NOT INCLUDE REQUIREMENTS RELATED TO STAGING, TEMPORARY SHORING, OR CONSTRUCTION PRACTICES. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY AND THE MEANS AND METHODS USED FOR WORK RELATED TO THIS PROJECT.
9. BRACE BUILDING AND EXCAVATION UNTIL STRUCTURAL ELEMENTS REQUIRED FOR STABILITY ARE INSTALLED. REQUIRED ELEMENTS INCLUDE BUT ARE NOT LIMITED TO: STEEL COLUMN REPLACEMENT OR REINFORCEMENT, ROOF DECK, CROSS–BRACES, MOMENT CONNECTIONS, KNEE BRACES, HAIRPINS, CONCRETE RETAINING WALL, PIT SLAB, BACKFILL, CONCRETE SLAB, AND DOWELS TO EXISTING SLAB.
10. SITE VISITS MADE BY THE ENGINEER ARE FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN DOCUMENTS AND NOT INTENDED TO BE A REVIEW OF CONTRACTOR RESPONSIBILITIES OR THE CODE REQUIRED INSPECTIONS.
11. THE OWNER SHALL ENGAGE THE SERVICES OF AN INSPECTION AGENCY TO PROVIDE THE CONTRACT AND CODE REQUIRED INSPECTIONS.
12. FOR EQUIPMENT GENERAL ARRANGEMENT AND DETAILS, REFER TO PROPOSED GENERAL ARRANGEMENT.
13. ALL EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR WITH APPROVED VENDOR DRAWINGS PRIOR TO INSTALLATION.
14. ALL EQUIPMENT SHALL BE BOLTED TO SUPPORTING STRUCTURE UNLESS OTHERWISE NOTED. PROVIDE BOLT HOLES TO MATCH LOCATION AND DIAMETER OF THOSE IDENTIFIED ON VENDOR DRAWINGS.
15. ALL ELEVATIONS AND DIMENSIONS ARE TAKEN FROM THE (FINISHED FLOOR) ELEVATION OF 100'–0" UNLESS NOTED OTHERWISE.

FOUNDATION NOTES:

1. SUBGRADE PREPARATION AND EXCAVATION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE "REPORT OF SUBSURFACE EXPLORATION & GEOTECHNICAL ENGINEERING ASSESSMENT, ROCKLAND GREEN MATERIAL RECOVERY FACILITY, HILLBURN, ROCKLAND COUNTY, NEW YORK," PREPARED BY FRENCH & PARRELLO ASSOCIATES, FPA NO. 17004.001R1, DATED FEBRUARY 3, 2021."
2. GEOTECHNICAL ENGINEERING REPORT SHALL BE REVIEWED FOR GENERAL CONSIDERATION OF MATERIALS THAT MAY BE ENCOUNTERED INCLUDING UNSUITABLE MATERIAL THAT MAY BE REQUIRED TO BE REMOVED AND LOCATION OF GROUNDWATER.
3. FOOTING HAVE BEEN DESIGNED FOR A NET ALLOWABLE SOIL BEARING CAPACITY OF 4,000 PSF IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEERING REPORT. BEARING STRATA SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER BEFORE INSTALLATION OF FOOTINGS.
4. FOUNDATIONS SHALL BE PROTECTED FROM FROST BY EXTENDING BELOW THE FROST LINE OF THE LOCALITY UNLESS OTHERWISE INDICATED. MINIMUM DEPTH OF FOUNDATIONS BELOW ADJACENT GRADE SHALL BE 42 INCHES FOR THE PROJECT LOCATION.
5. LOCATE ALL UTILITIES PRIOR TO EXCAVATION. VERIFY NO UTILITIES OR UNDERGROUND STRUCTURES ARE PRESENT IN AREA OF EXCAVATION. PROTECT ANY ITEMS ENCOUNTERED AND NOTIFY ENGINEER OF INTERFERENCE.
6. BOTTOM OF ALL EXCAVATIONS MUST BE INSPECTED AND APPROVED BY A REGISTERED SOILS ENGINEER BEFORE PLACING ANY CONCRETE.
7. IF BEARING STRATA IS NOT ACCEPTABLE AT INDICATED BEARING ELEVATION, SUBGRADE SHALL BE FOOTINGS SHALL BE LOWERED OR STEPPED DOWN TO REACH AN ACCEPTABLE BEARING STRATA OR STABILIZED WITH THE INSTALLATION OF GEOTEXTILE AND CONTROLLED COMPACTED FILL AS REQUIRED BY THE GEOTECHNICAL ENGINEER.
8. WHERE FOOTINGS ARE REQUIRED TO BE LOWERED DUE TO POOR BEARING STRATA, LOWER ADJACENT FOOTINGS TO PROVIDE A RATIO OF CLEAR DISTANCE BETWEEN FOOTINGS TO DIFFERENCE IN ELEVATION OF FOOTING BOTTOMS NOT TO EXCEED 2 TO 1.
9. BOTTOM OF ALL FOOTINGS MUST BE INSPECTED AND APPROVED BY A REGISTERED SOILS ENGINEER BEFORE PLACING ANY CONCRETE.
10. BOTTOM OF FOOTINGS SHALL BEAR ON UNDISTURBED VIRGIN SOIL, OR CONTROLLED COMPACTED FILL.
11. DO NOT PLACE FOOTINGS IN WATER OR ON FROZEN GROUND. SUBGRADE PREVIOUSLY APPROVED THAT HAVE BECOME SATURATED, FROZEN OR OTHERWISE DISTURBED SHALL BE REWORKED TO THE SATISFACTION OF THE SOILS ENGINEER.
12. DE–WATERING DUE TO GROUNDWATER IS NOT ANTICIPATED FOR EXCAVATION AND INSTALLATION OF PITS OR FOUNDATIONS. HOWEVER, PERCHED WATER LEVEL CONSIDERATION PER GEOTECHNICAL INVESTIGATION MAY IMPACT THE WORK REQUIRED FOR THIS PROJECT. CONTRACTOR SHALL PROVIDE INITIAL TEST PIT IN AREA OF EXCAVATION FOR REVIEW PRIOR TO START OF OTHER ACTIVITIES TO EVALUATE WATER LEVEL AT TIME OF CONSTRUCTION. DE–WATERING FOR PERCHED WATER CONDITIONS SHALL BE AS RECOMMENDED IN GEOTECHNICAL REPORT.
13. EXISTING SOIL SUBGRADE SHALL BE EXCAVATED AS REQUIRED BELOW EXISTING TOP OF SLAB TO ACCOMMODATE NEW SUBGRADE MATERIAL AND SLAB THICKNESS. REMOVED SOIL SHALL BE STOCKPILED ON ADJACENT SLAB OR ON EXTERIOR PAVEMENT.
14. INTERIOR STOCKPILED MATERIAL SHALL NOT EXCEED 6' HEIGHT AND BE LOCATED NO CLOSER THAN 4' FROM EXCAVATION. EXTERIOR STOCKPILED MATERIAL SHALL BE PROTECTED FROM ELEMENTS TO PREVENT SATURATION OR CHANGES IN MOISTURE CONTENT.
15. DEPTH TO VIRGIN SOIL SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER BEFORE COMPACTION AND INSTALLATION OF BACKFILL.
16. IF VIRGIN SOIL IS NOT OBSERVED AT INDICATED ELEVATION, ADDITIONAL EXCAVATION SHALL BE MADE TO REACH AN ACCEPTABLE BEARING STRATA AS REQUIRED BY THE GEOTECHNICAL ENGINEER.
17. REUSED EXISTING FILL MATERIAL SHALL BE PERMITTED ONLY AS INDICATED IN GEOTECHNICAL ENGINEERING REPORT. PLACE MATERIAL IN 12" LIFTS AND COMPACT TO RECOMMENDED 95% COMPACTION. ADDITIONAL MATERIAL, IF REQUIRED, SHALL BE IMPORTED STRUCTURAL FILL, CRUSHED STONE OR OVER–POUR CONCRETE SLAB TO MAKE UP DIFFERENCE IN ELEVATION.
18. SUBGRADE COMPACTION MUST BE INSPECTED AND APPROVED BY A REGISTERED SOILS ENGINEER BEFORE PLACING ANY CONCRETE.
19. CONCRETE SLAB SHALL BEAR ON CONTROLLED COMPACTED FILL OR CRUSHED STONE AS IDENTIFIED IN THE GEOTECHNICAL REPORT.
20. DO NOT PLACE BACKFILL IN WATER OR ON FROZEN GROUND. SUBGRADE PREVIOUSLY APPROVED THAT HAVE BECOME SATURATED, FROZEN OR OTHERWISE DISTURBED SHALL BE REWORKED TO THE SATISFACTION OF THE SOILS ENGINEER.
21. COMPACTION OF BOTH EXISTING SUBGRADE AND ANY REPLACED MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D–1557 WITH VIBRATORY ROLLER COMPACTOR.
22. PROVIDE TESTING OF EXPOSED SUBGRADE PRIOR TO AND FOLLOWING COMPACTION. WEAK OR UNACCEPTABLE SUBGRADE MATERIAL SHALL BE REMOVED AND REPLACED WITH COMPETENT STRUCTURAL FILL. SOIL REQUIRING REPLACEMENT SHALL BE REMOVED TO A DEPTH NOT LESS THAN 2'–0". FILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12". CONCRETE AND UNACCEPTABLE SUBGRADE SHALL BE REMOVED FROM SITE AND DISPOSED OF PROPERLY.
23. GEOTEXTILE SHALL BE MIRAFI 600X OR ACCEPTABLE EQUIVALENT.

SOIL BORING NOTES:

1. EXCAVATION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE "REPORT OF SUBSURFACE EXPLORATION & GEOTECHNICAL ENGINEERING ASSESSMENT, ROCKLAND GREEN MATERIAL RECOVERY FACILITY, HILLBURN, ROCKLAND COUNTY, NEW YORK," PREPARED BY FRENCH & PARRELLO ASSOCIATES, FPA NO. 17004.001R1, DATED FEBRUARY 3, 2021."
2. SOIL BORINGS ARE PROVIDED FOR INFORMATION ONLY.
3. CONTRACTOR SHALL NOT RELY EXCLUSIVELY ON SOIL BORINGS, REPORT, OR FOUNDATION DETAILS WITH RESPECT TO COMPLETENESS FOR CONTRACTOR'S MEANS, METHODS, TECHNIQUES, PROCEDURES OR SEQUENCE OF CONSTRUCTION. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY AND THE MEANS AND METHODS USED FOR WORK RELATED TO THIS PROJECT.

CONCRETE:

1. ALL CONCRETE SHALL BE HIGH–EARLY STRENGTH HAVING A MINIMUM COMPRESSIVE STRENGTH (F'c) NOTED BELOW, AND HAVE A MINIMUM OF 500 LBS. OF CEMENT PER CUBIC YARD. SLUMP (AT POINT OF CONCRETE PLACEMENT) SHALL BE 3–INCH MINIMUM AND 5–INCH MAXIMUM, CONCRETE SHALL HAVE 6 PERCENT AIR ENTRAINMENT AND 0.45 MAXIMUM WATER CEMENT RATIO.
2. ALL CONCRETE SHALL BE HAVE A MINIMUM COMPRESSIVE STRENGTH (F'c) AT AS FOLLOWS:
   - 2.1. FOOTING, FOUNDATION WALLS, PIT SLAB AND WALLS 4,000 PSI
   - 2.2. PUSH WALLS 5,000 PSI
   - 2.3. COLUMN SURROUND 6,000 PSI
   - 2.4. TIPPING FLOOR SLAB ON GRADE 6,000 PSI
   - 2.4. PROCESS AREA FLOOR SLAB ON GRADE 5,000 PSI
3. HIGH–EARLY STRENGTH CONCRETE SHALL REACH 70% OF SPECIFIED MINIMUM COMPRESSIVE STRENGTH F'c WITHIN 24 HOURS. HIGH–EARLY STRENGTH CONCRETE SHALL BE TESTED AT 24 HOURS, 3, 7, 14 AND 28 DAYS.
4. CONCRETE EXPOSED TO WEATHER SHALL HAVE 6 PERCENT AIR ENTRAINMENT, 0.45 MAXIMUM WATER CEMENT RATIO, AND A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI AT 28 DAYS.
5. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ACI BUILDING CODE (ACI 318), THE ACI DETAILING MANUAL (ACI 315), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301).
6. ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL CONFORMING TO ASTM DESIGNATION A615 GRADE 60. WWF SHALL COMPLY WITH ASTM A185.
7. SHOP DRAWING SUBMISSION SHALL INCLUDE MIX DESIGNS AND STEEL REINFORCEMENT. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO ANY FABRICATION.
8. LAP ALL BARS MINIMUM 48 BAR DIAMETERS. LAP ALL WWF A MINIMUM OF 6 INCHES.
9. PLACE TRANSVERSE REINFORCING SHORT WAY BOTTOM (SWB) IN BOTTOM LAYER OF CONTINUOUS FOOTINGS. PROVIDE CORNER BARS IN FOOTINGS TO MATCH CONTINUOUS REINFORCEMENT.
10. PROVIDE CONTROL JOINTS TO CREATE RECTANGULAR SLAB REPLACEMENT SECTIONS. PROVIDE #4x4'–0" CORNER BARS AT ALL RE–ENTRANT COR
11. COLD–WEATHER PLACEMENT: COMPLY WITH ACI 306.1 AND AS FOLLOWS. PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH THAT COULD BE CAUSED BY FROST, FREEZING ACTIONS, OR LOW TEMPERATURES.
    - 11.1. WHEN AVERAGE HIGH AND LOW TEMPERATURE IS EXPECTED TO FALL BELOW 40 DEG F FOR THREE SUCCESSIVE DAYS, MAINTAIN DELIVERED CONCRETE MIXTURE TEMPERATURE WITHIN THE TEMPERATURE RANGE REQUIRED BY ACI 301.
    - 11.2. DO NOT USE FROZEN MATERIALS OR MATERIALS CONTAINING ICE OR SNOW. DO NOT PLACE CONCRETE ON FROZEN SUBGRADE OR ON SUBGRADE CONTAINING FROZEN MATERIALS.
    - 11.3. DO NOT USE CALCIUM CHLORIDE, SALT, OR OTHER MATERIALS CONTAINING ANTIFREEZE AGENTS OR CHEMICAL ACCELERATORS UNLESS OTHERWISE SPECIFIED AND APPROVED IN MIXTURE DESIGNS.
12. HOT–WEATHER PLACEMENT: COMPLY WITH ACI 301 AND AS FOLLOWS:
    - 12.1. MAINTAIN CONCRETE TEMPERATURE BELOW 90 DEGREES F AT TIME OF PLACEMENT. CHILLED MIXING WATER OR CHOPPED ICE MAY BE USED TO CONTROL TEMPERATURE, PROVIDED WATER EQUIVALENT OF ICE IS CALCULATED TO TOTAL AMOUNT OF MIXING WATER. USING LIQUID NITROGEN TO COOL CONCRETE IS CONTRACTORS OPTION.
    - 12.2. FOG–SPRAY FORMS, STEEL REINFORCEMENT, AND SUBGRADE JUST BEFORE PLACING CONCRETE. KEEP SUBGRADE UNIFORMLY MOIST WITHOUT STANDING WATER, SOFT SPOTS, OR DRY AREAS.
13. CONCRETE FOUNDATION SHALL BE PLACED FLAT AND LEVEL FOR BEARING OF EQUIPMENT AND PLATFORM BASE PLATES.
14. PROVIDE WATERSTOPS IN BELOW–GRADE WALL JOINTS, WALL–TO–FOOTING JOINTS, AND SLAB–TO–WALL JOINTS.
15. PROVIDE KEYS IN CONCRETE WALLS, PIERS, GRADE BEAMS, AND FOOTINGS AT INTERSECTION OF MASONRY OR CONCRETE UNLESS NOTED OTHERWISE.
16. CORNERS OF EXPOSED CONCRETE SHOULD HAVE ¾" CHAMFERS UNLESS SHOWN OTHERWISE.

SLAB ON GRADE NOTES:

1. PROVIDE "TRAP" ROCK COURSE AGGREGATE FOR USE IN TIPPING FLOOR SLAB CONCRETE. IN THE ABSENCE OF THE AVAILABILITY OF TRAP ROCK, COURSE AGGREGATE SHALL BE HARD, DURABLE ROCK WITH AN LA ABRASION TEST LOSS PERCENTAGE LESS THAN OR EQUAL TO 20%.
2. SUBGRADE PREPARATION AND EXCAVATION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE "REPORT OF SUBSURFACE EXPLORATION & GEOTECHNICAL ENGINEERING ASSESSMENT, ROCKLAND GREEN MATERIAL RECOVERY FACILITY, HILLBURN, ROCKLAND COUNTY, NEW YORK," PREPARED BY FRENCH & PARRELLO ASSOCIATES, FPA NO. 17004.001R1, DATED FEBRUARY 3, 2021."
3. CONTRACTOR SHALL PROVIDE GUARANTEE FOR THE PERFORMANCE OF SLAB AND THAT SUBGRADE AND SLAB CONSTRUCTION HAS BEEN INSTALLED IN ACCORDANCE WITH REQUIREMENTS OF ABOVE REPORT AND AS INDICATED ON THESE DRAWINGS.
4. SUBGRADE BELOW SLAB ON GRADE SHALL BE REVIEWED AND ACCEPTED BY GEOTECHNICAL ENGINEER BEFORE CONCRETE SLAB PLACEMENT.
5. PROVIDE PROTECTION FROM PRECIPITATION AND EXCESSIVE COLD TEMPERATURES FOR THE VAPOR RETARDER AND SLAB SUBBASE PRIOR TO SLAB–ON–GRADE PLACEMENT. SUBBASE MUST BE DRY AND NOT FROZEN AT THE TIME OF SLAB PLACEMENT.
6. DO NOT PLACE SLABS ON FROZEN GROUND. IF SUBGRADE OR SUBBASE ARE FROZEN AFTER PREPARATION, THEY SHALL BE THAWED THEN RECOMPACTED AND RETESTED FOR AFTER PREPARATION, THEY SHALL BE THAWED THEN RECOMPACTED AND RETESTED FOR COMPACTION PRIOR TO SLAB PLACEMENT, AT THE EXPENSE OF THE CONTRACTOR.
7. PROVIDE PROTECTION FOR THE SLAB ON GRADE FROM DIRECT EXPOSURE TO THE SUN, WIND, PRECIPITATION, AND EXCESSIVE COLD OR HOT TEMPERATURES STARTING DURING PLACEMENT AND LASTING UNTIL THE END OF THE CURING PERIOD. DO NOT ALLOW GROUND BENEATH SLABS TO FREEZE.
8. PRIOR TO SLAB PLACEMENT, SUBMIT FOR INFORMATION ONLY A WRITTEN PROTECTION PROGRAM FOR THE VAPOR RETARDER, SLAB SUBBASE, AND SLAB ON GRADE.
9. SLAB JOINTS ARE REQUIRED WHERE SHOWN ON PLAN. WHERE JOINTS ARE NOT SHOWN, CONTRACTOR SHALL UTILIZE ONE OF TWO OPTIONS FOR SLAB PLACEMENT. OPTION 1 IS TO PLACE SLAB WITH CONSTRUCTION JOINTS ONLY. OPTION 2 IS TO PLACE SLAB WITH CONSTRUCTION AND CONTROL JOINTS AS RECOMMENDED BY ACI 302, "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION". CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR CRACKING WHETHER THEY OCCUR AT RANDOM LOCATIONS OR AT CONTROL JOINTS. REPAIR SHALL BE MADE WITH EPOXY SEALANT APPROPRIATE FOR HIGH TRAFFIC AND WEAR. CRACK SEALANT SHALL BE REVIEWED AND APPROVED PRIOR TO USE.
10. PROVIDE A SQUARE EDGE FORM JOINT FOR CONSTRUCTION JOINTS AND A SAW–CUT JOINT FOR CONTRACTION JOINTS IN SLABS ON GRADE. SUBMIT JOINT LAYOUT TO THE ENGINEER FOR REVIEW.
11. CONTINUE 50 PERCENT OF SLAB REINFORCEMENT THROUGH CONSTRUCTION AND CONTRACTION JOINTS.
12. PROVIDE ONE #4 BAR, 4 FEET LONG, DIAGONAL AT CORNERS AND OPENINGS IN SLABS ON GRADE.
13. PROVIDE TROWEL FINISH FOR SLABS AND HORIZONTAL SURFACES AND FORM FINISH FOR VERTICAL SURFACES.
14. INSTALL SLAB ON GRADE REINFORCEMENT AT MID–DEPTH UNLESS OTHERWISE NOTED.

STRUCTURAL STEEL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE OR APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT.
2. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, AND CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
2. WIDE FLANGE (W) SHAPES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A992. RECTANGULAR/SQUARE HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO THE REQUIREMENTS OF ASTM A500, GRADE B (Fy=46 KSI). PIPE/ROUND HSS SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A501 OR ASTM A53, TYPE E OR S, GRADE B (Fy=35 KSI). ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.
3. ALL CONSTRUCTION IS NEW CONSTRUCTION EXCEPT WHERE REFERENCED CONSTRUCTION IS INDICATED ON THE DRAWINGS.
4. THE STEEL FABRICATOR SHALL SUBMIT, FOR RRT APPROVAL, SHOP FABRICATION DRAWINGS OF ALL FABRICATED ITEMS PRIOR TO CONSTRUCTION.
5. ALL STRUCTURAL STEEL SHALL BE NEW STEEL, CLEAN AND STRAIGHT AND SHALL BE PRIMED AND FINISHED PAINTED.
6. ALL STEEL SHALL BE THOROUGHLY CLEANED IN ACCORDANCE WITH SSPC–SP3 AND HAVE A SHOP COAT OF RUST INHIBITIVE PAINT UNLESS OTHERWISE NOTED. STEEL TO REMAIN EXPOSED TO WEATHER SHALL BE PREPARED AND FINISHED PER REQUIREMENTS IDENTIFIED IN DRAWING SECTIONS AND DETAILS. PAINT SHALL BE COLOR AS SELECTED BY OWNER FROM STANDARD PALATE. ALL RAILING & BOLLARDS SHALL BE PAINTED SHERWIN WILLIAMS SAFETY YELLOW. FIELD WELDING SHALL BE TOUCHED UP AFTER ERECTION WITH PAINT TO MATCH.
7. ALL COLUMNS & POSTS SHALL BE SUPPLIED WITH 3/4" CAP AND BASE PLATES WITH MINIMUM (4) 3/4" POST–INSTALLED ANCHOR BOLTS UNLESS OTHERWISE NOTED. ALL COLUMNS BEARING ON CONCRETE SLAB OR FOUNDATIONS SHALL BE SUPPLIED WITH 1/4" LEVELING PLATE WITH OVERSIZE HOLES (i.e. 7/8" HOLE FOR 3/4" BOLT). LEVELING PLATE SHALL BEAR ON ¾" MINIMUM GROUT.
8. ALL EXPANSION ANCHOR BOLTS SHALL BE ¾" DIAMETER "HILTI" KWIK BOLT TYPE II OR RED–HEAD TRUBOLT WEDGE ANCHOR, WITH MINIMUM 5" EMBEDMENT, UNLESS NOTED OTHERWISE.
9. GROUT FOR STRUCTURAL BEARING & LEVELING PLATES SHALL BE PRE–PROPORTIONED, SELF LEVELING, NON SHRINK, NON METALLIC GROUT. SUCH AS SIKADUR GROUT PAK AS MANUFACTURED BY SIKA CHEMICAL CORP. LYNDHURST, NEW JERSEY. EPOXY GROUT SHALL BE REQUIRED FOR GAPS OF MORE THAN 2".
10. ALL BOLTS FOR STEEL FRAMING SHALL BE 3/4" HIGH STRENGTH BOLTS WITH 13/16" HOLES (UNLESS OTHERWISE NOTED) AND SHALL CONFORM TO ASTM A–325.
11. ALL CONNECTIONS FOR STEEL FRAMING SHALL CONFORM TO PART 4 OF THE AISC MANUAL OF STEEL CONSTRUCTION, 13th EDITION, AND SHALL BE CAPABLE OF SUPPORTING ONE–HALF THE TOTAL UNIFORM LOAD CAPACITY SHOWN IN THE TABLE OF UNIFORM LOAD CONSTRAINTS; PART 2, AISC MANUAL.
12. ALL BOLTED CONNECTIONS SHALL BE STANDARD DOUBLE ANGLE TYPE WITH MINIMUM (2) ROWS OF 3/4" BOLTS, UNLESS OTHERWISE NOTED. ONE–SIDED CONNECTIONS WILL NOT BE PERMITTED WHERE TWO SIDED CONNECTIONS ARE POSSIBLE.
13. ALL HORIZONTAL AND VERTICAL ANGLE CONNECTION SHALL HAVE A MINIMUM OF A 2 BOLT CONNECTION AT EACH END OR AS INDICATED ON DRAWINGS.
14. ALL HORIZONTAL AND VERTICAL BRACING SHALL HAVE 2 BOLT CONNECTIONS AT EACH END OR AS INDICATED ON DRAWINGS.
15. ALL SHOP CONNECTIONS SHALL BE WELDED OR HIGH STRENGTH BOLTED. ALL FIELD CONNECTIONS SHALL BE HIGH STRENGTH BOLTED UNLESS NOTED.
16. ALL WELDING SHALL BE ACCOMPLISHED BY QUALIFIED WELDER WITH CURRENT AWS WELDING CERTIFICATE. WHEN REQUESTED BY RRT, COPIES OF THESE CERTIFICATES SHALL BE PRESENTED. ALL WELDING SHALL CONFORM TO THE CURRENT ISSUE OF AWS SPECIFICATIONS D1–1. WELDING RODS SHALL BE E70XX AND CONFORM TO ASTM A–233. WHERE FILLET WELD SIZES ARE NOT SPECIFICALLY NOTED, THE FABRICATOR SHALL DETAIL THE MINIMUM SIZE WELD PER AWS STANDARD. THE ACTUAL SIZES SHALL BE SHOWN ON THE SHOP DRAWINGS.
17. DO NOT BEGIN STEEL ERECTION UNTIL SUPPORTING MASONRY OR CONCRETE STRUCTURES OBTAIN 75 PERCENT OF THE REQUIRED MATERIAL STRENGTH INDICATED.
18. WHERE BEAM SPACING IS NOT NOTED, SPACE BEAMS EQUALLY BETWEEN GIRDERS, DIMENSIONALLY LOCATED MEMBERS, COLUMNS OR BETWEEN COLUMNS AND WALLS.
19. CONNECTION DESIGN BY THE FABRICATOR WILL BE SUBJECT TO REVIEW BY THE ENGINEER.
20. NO OPENING SHALL BE CUT IN STRUCTURAL MEMBERS UNLESS SHOWN ON THE DRAWINGS OR AUTHORIZED BY THE ENGINEER.
21. ALL EXPANSION ANCHOR BOLTS SHALL BE "HILTI" KWIK BOLT TYPE II 3/4" DIAMETER, ADHESIVE ANCHORS SHALL BE HILTI HIT HY200 ADHESIVE ANCHORING SYSTEM WITH MINIMUM 6" EMBEDMENT, UNLESS NOTED OTHERWISE.

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REV	DESCRIPTION	DATE	BY	CHK
D	ISSUED FOR CONSTRUCTION	10/27/21	MF	NE
C	ISSUED FOR CONTRACT	8/27/21	MF	NE
B	REVISED FOR RFP ADDENDUM 6	7/23/21	MF	NE
A	ISSUED FOR RFP	7/6/21	MF	NE

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GENERAL NOTES & SCHEDULES

	BY	DATE		
DRAWN	MF	5/6/21	PROJ. No: 499-010	SCALE: AS NOTED
CHECKED	NE		DWG. NO: S-101	D
DESIGNED	MF	5/6/21		
APPROVED			CAD FILE: 499–010 S–100.dwg	
APPROVED			SHEET SIZE: D–24x36	REV

SPECIAL INSPECTION NOTES:

1. THE OWNER WILL ENGAGE (SEE CONTRACT REQUIREMENTS) THE SERVICES OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE AND/OR COORDINATE INSPECTIONS AND TESTING DURING CONSTRUCTION AS NECESSARY IN ACCORDANCE WITH THE PROVISIONS OF CHAPTER 17 OF THE IBC.
2. THE STATEMENT OF SPECIAL INSPECTIONS HAS BEEN PREPARED BY THE ENGINEER IN ACCORDANCE WITH REQUIREMENTS OF SECTION 1705 OF THE IBC FOR SUBMITTAL BY THE APPLICANT AS PART OF PERMIT APPLICATION.
3. REFER TO THE STATEMENT OF SPECIAL INSPECTIONS, GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INSPECTION AND TESTING REQUIREMENTS. SPECIAL INSPECTIONS AND TESTING SHALL BE PERFORMED ON A CONTINUOUS OR PERIODIC FREQUENCY AS NOTED IN THE SCHEDULE.
4. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO COMPLETION OF THAT PHASE OF THE WORK.
5. THE SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS TO THE CONTRACTOR, ARCHITECT, OWNER AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL DOCUMENT REQUIRED INSPECTIONS AND CORRECTIONS OF ANY DISCREPANCIES. REPORTS SHALL BE PROVIDED AT INTERVALS CONVEYING THE PROGRESS OF CONSTRUCTION.
6. THE INSPECTION AND TESTING PROGRAM SHALL NOT RELIEVE CONTRACTOR RESPONSIBILITY TO PERFORM WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR FROM IMPLEMENTING AN EFFECTIVE QUALITY CONTROL PROGRAM.

STRUCTURAL OBSERVATION NOTES:

1. THE ENGINEER (OR ENGINEERS REPRESENTATIVE) WILL MAKE PERIODIC SITE VISITS FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN DOCUMENTS. NUMBER OF VISITS SHALL BE DETERMINED BASED ON REQUIREMENTS OF CONTRACT DOCUMENTS. SITE VISITS SHALL CORRESPOND WITH APPROPRIATE PROGRESS OF CONSTRUCTION. THE FOLLOWING ACTIVITIES INCLUDE APPROPRIATE PROGRESS INTERVALS FOR SCHEDULING POTENTIAL SITE VISITS:
   - 1.1. INITIAL PLACEMENT OF OF REINFORCING BARS FOR FOOTINGS, FOUNDATION WALLS, BASEMENT WALLS, RETAINING WALLS, AND PIERS AFTER EXCAVATION AND PRIOR TO CLOSING FORMWORK.
   - 1.2. EACH PLACEMENT OF REINFORCING BARS FOR STRUCTURAL CONCRETE (SLABS, BEAMS, JOISTS).
   - 1.3. INITIAL ERECTION OF STRUCTURAL STEEL AND METAL DECK (PRIOR TO PLACEMENT OF CONCRETE FOR ELEVATED SLABS).
   - 1.4. SLAB PRE-CONSTRUCTION MEETING.
   - 1.5. INITIAL PLACEMENT OF REINFORCING BARS AND PREPARATIONS FOR CONCRETE SLAB ON DECK.
   - 1.5. INITIAL PLACEMENT OF REINFORCING BARS AND PREPARATIONS FOR CONCRETE SLAB ON GRADE.
   - 1.6. COMPLETION OF STRUCTURAL SYSTEM.
   - 1.7. OTHER TIMES AS REQUIRED DUE TO SPECIALTY CONSTRUCTION OR FIELD CONDITIONS.
2. THE ABOVE LISTED ACTIVITIES DO NOT CONSTITUTE MANDATORY SITE VISITS. THE ENGINEER MAY VISIT THE SITE AT TIMES OR INTERVALS OTHER THAN THOSE LISTED ABOVE.
3. THE CONTRACTOR SHALL NOTIFY ENGINEER AT LEAST 48 HOURS PRIOR TO THE ABOVE LISTED ACTIVITIES SO ENGINEER CAN SCHEDULE SITE VISITS.
4. DISCREPANCIES OBSERVED DURING SITE VISIT SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND SHALL BE DOCUMENTED IN A FIELD OBSERVATION REPORT PREPARED BY THE ENGINEER.

STATEMENT OF SPECIAL INSPECTIONS:

1. THIS STATEMENT OF SPECIAL INSPECTIONS IS PROVIDED AS PART OF THE SUBMITTAL DOCUMENTS AS REQUIRED BY SECTION 107 OF THE IBC. THE APPLICANT IS REQUIRED TO SUBMIT THE STATEMENT OF SPECIAL INSPECTIONS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AS A CONDITION FOR PERMIT ISSUANCE.
2. THE FOLLOWING TABLES IDENTIFY THE MATERIAL, SYSTEMS, COMPONENTS AND WORK REQUIRED TO HAVE SPECIAL INSPECTIONS FOR THIS PROJECT AND ARE A SUMMARY OF DETAILED TESTING REQUIREMENTS. REFER TO GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INSPECTION AND TESTING REQUIREMENTS.
3. THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNERS AGENT SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PERFORM INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN TABLES.
4. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE FOR THE INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THE SPECIAL INSPECTOR SHALL PROVIDE WRITTEN DOCUMENTATION DEMONSTRATING HIS OR HER COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING. EXPERIENCE OR TRAINING SHALL BE CONSIDERED RELEVANT WHEN THE DOCUMENTED EXPERIENCE OR TRAINING IS RELATED IN COMPLEXITY TO THE SAME TYPE OF SPECIAL INSPECTION ACTIVITIES FOR PROJECTS OF SIMILAR COMPLEXITY AND MATERIAL QUALITIES.
5. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AS REQUIRED, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON PRIOR TO THE START OF WORK BY THE APPLICANT AND THE BUILDING OFFICIAL.
6. SCHEDULE OF REQUIRED SPECIAL INSPECTIONS:

REQUIRED IF CHECKED	CONSTRUCTION TYPE/ MATERIAL (IBC REFERENCE)
	INSPECTION OF FABRICATORS (1704.2)
X	STEEL CONSTRUCTION (1704.3)
X	CONCRETE CONSTRUCTION (1704.4)
	MASONRY CONSTRUCTION (1704.5)
	WOOD CONSTRUCTION (1704.6)
X	SOILS (1704.7)
	DRIVEN DEEP FOUNDATIONS (1704.8)
	CAST-IN-PLACE DEEP FOUNDATIONS (1704.9)
	HELICAL PILE FOUNDATIONS (1704.10)
	VERTICAL MASONRY FOUNDATION ELEMENTS (1704.11)
	SPRAYED FIRE-RESISTANT MATERIALS (1704.12)
	MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS (1704.13)
	EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) (1704.14)
	SPECIAL CASES (1704.15)
	SMOKE CONTROL (1704.16)

7. INDIVIDUALS OR FIRMS PROVIDING SPECIAL INSPECTIONS

INSPECTION AGENT	RESPONSIBLE FIRM OR INDIVIDUAL	ADDRESS/PHONE
1. SPECIAL INSPECTOR		
2. GEOTECHNICAL ENGINEER/ INSPECTOR		
3. TESTING/INSPECTION AGENCY		
4. TESTING/INSPECTION AGENCY		

REQUIRED VERIFICATION AND INSPECTION OF STRUCTURAL STEEL CONSTRUCTION

VERIFICATION/INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARDS	REFERENCE (IBC)
1. MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS, AND WASHERS:				
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	X	AISC 360, SECTION A3.3 AND APPLICABLE ASTM MATERIAL STANDARDS	—
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	—	X	—	—
2. INSPECTION OF HIGH-STRENGTH BOLTING:				
A. SNUG-TIGHT JOINTS	—	X	AISC 360, SECTION M2.5	—
B. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	—	X	AISC 360, SECTION M2.5	—
C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	X	—	AISC 360, SECTION M2.5	—
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:				
A. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS CONFORM TO AISC 360.	—	X	AISC 360, SECTION M5.5	—
B. MANUFACTURER'S CERTIFIED TEST REPORTS REQUIRED.	—	X	—	—
4. MATERIAL VERIFICATION OF WELD FILLER MATERIAL:				
A. IDENTIFICATION MARKINGS CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	—	AISC 360, SECTION A3.5 AND APPLICABLE AWS A5 DOCUMENTS	—
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	—	X	—	—
5. INSPECTION OF WELDING:				
A. STRUCTURAL STEEL:				
1. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.	X	—	AWS D1.1	—
2. MULTI-PASS FILLET WELDS.	X	—	AWS D1.1	—
3. SINGLE-PASS FILLET WELDS > 5/16" (7.9mm).	X	—	AWS D1.1	—
4. PLUG AND SLOT WELDS	X	—	AWS D1.1	—
5. SINGLE-PASS FILLET WELDS <= 5/16" (7.9MM).	—	X	AWS D1.1	—
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:				
A. DETAILS SUCH AS BRACING AND STIFFENING	—	X	—	—
B. MEMBER LOCATIONS	—	X	—	—
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	—	X	—	—

REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL

VERIFICATION/INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARDS	REFERENCE (IBC)
1. MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK:				
A. IDENTIFICATION MARKINGS CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	X	APPLICABLE ASTM MATERIAL STANDARDS	—
B. MANUFACTURER'S CERTIFIED TEST REPORTS.	—	X	—	—
2. INSPECTION OF WELDING:				
A. COLD-FORMED STEEL DECK:				
1. FLOOR AND DECK WELDS	—	X	AWS D1.3	—
B. REINFORCING STEEL:				
1. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706.	—	X	AWS D1.4 ACI 318: SECTION 3.5.2	—
2. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT.	X	—	AWS D1.4 ACI 318: SECTION 3.5.2	—
3. SHEAR REINFORCEMENT.	X	—	AWS D1.4 ACI 318: SECTION 3.5.2	—
4. OTHER REINFORCING STEEL.	—	X	AWS D1.4 ACI 318: SECTION 3.5.2	—

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION/INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARDS	REFERENCE (IBC)
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	—	X	ACI 318: 3.5, 7.1-7.7	1910.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2, ITEM 2b.	—	—	AWS D1.4 ACI 318: 3.5.2	—
3. INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	—	X	ACI 318: 8.1.3, 21.2.8	1908.5, 1909.1
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS	—	X	ACI 318: 3.8.6, 8.1.3, 21.2.8	1909.1
5. VERIFYING USE OF REQUIRED DESIGN MIX.	—	X	ACI 318: CH. 4, 5.2-5.4	1904.2, 1910.2, 1910.3
6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE TEMPERATURE OF CONCRETE.	X	—	ASTM C 172, ASTM C31, ACI 318: 5.6, 5.8	1910.10
7. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	—	ACI 318: 5.9, 5.10	1910.6, 1910.7, 1910.8
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	—	X	ACI 318: 5.11-5.13	1910.9
9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	—	X	ACI 318: 6.1.1	—

REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION/INSPECTION	CONTINUOUS DURING TASK LISTED	PERIODIC DURING TASK LISTED	REFERENCED STANDARDS	REFERENCE (IBC)
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	—	X	—	—
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	—	X	—	—
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	—	X	—	—
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	—	—	—
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT THE SITE HAS BEEN PREPARED PROPERLY.	—	X	—	—

STATE OF NEW YORK · MARK A. FRANZ · 082717 · 10/27/19 · LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 82717-1

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A	ISSUED FOR RFP	7/6/21	MF	NE

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NY COA # 0017967

Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

SPECIAL INSPECTION NOTES & SCHEDULES

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CHECKED	NE	
DESIGNED	MF	5/6/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE: AS NOTED
DWG. NO: S-102 D
CAD FILE: 499-010 S-100.dwg
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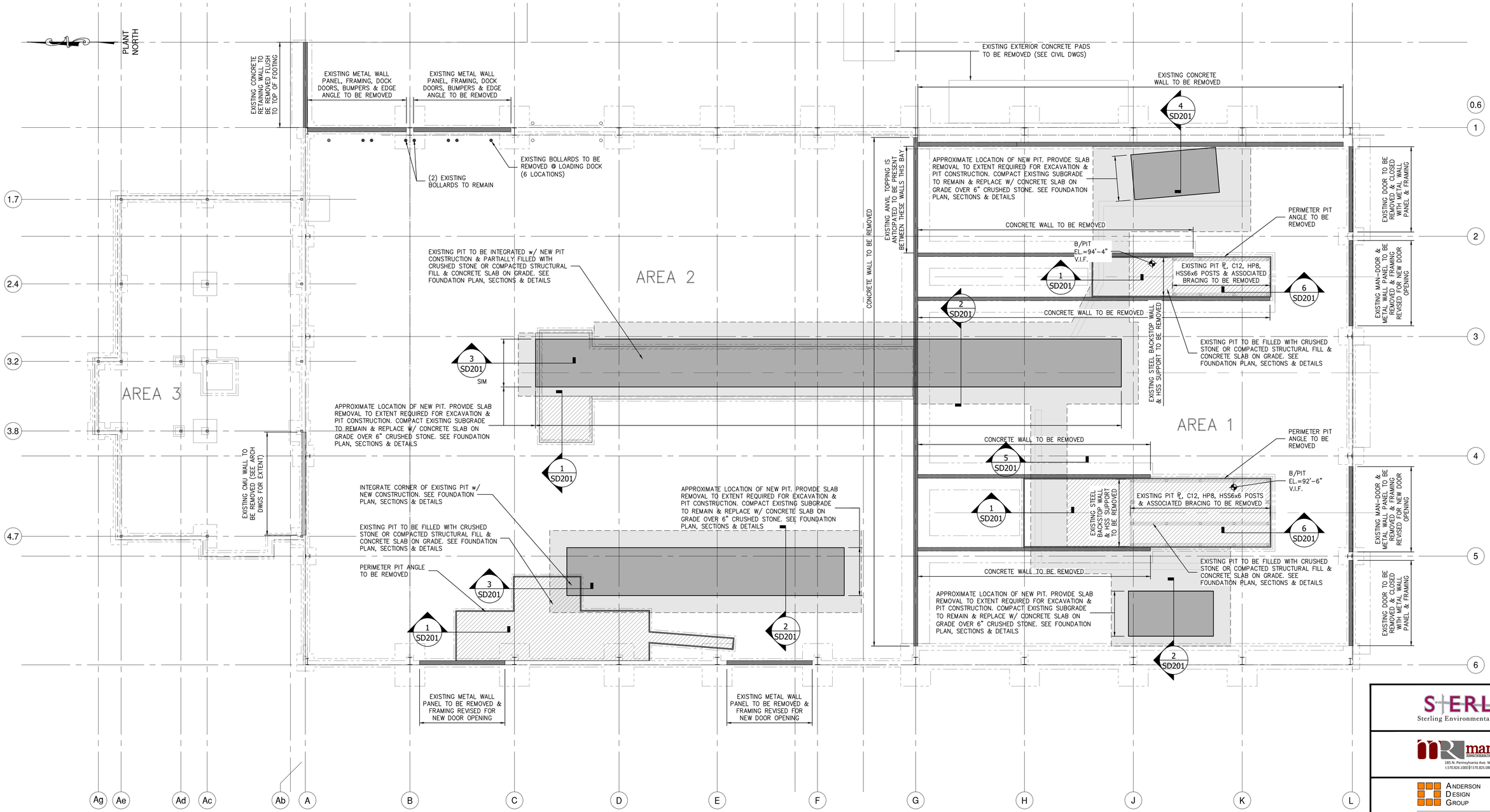

FOUNDATION DEMOLITION PLAN

SCALE: 3/32"=1'-0"

NOTES:

1. EXISTING BUILDING STRUCTURE SHOWN IS BASED LIMITED INFORMATION AS VERIFIED BY RRT DESIGN & CONSTRUCTION.
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3. FIELD VERIFY EXISTING STRUCTURES BEFORE PROCEEDING WITH FABRICATION OR DEMOLITION. NOTIFY ENGINEER IMMEDIATELY OF ANY OBSERVED DISCREPANCIES.
4. LOCATE UTILITIES PRIOR TO CUTTING CONCRETE OR EXCAVATING.
5. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ADJACENT FOUNDATIONS, GRADE-SUPPORTED SLAB OR PAVEMENTS DURING EXCAVATION.
6. WALLS SHALL BE REMOVED FULL HEIGHT TO EXISTING FINISHED FLOOR AND GROUND FLUSH TO TOP OF SLAB UNLESS OTHERWISE INDICATED. GRIND TO PROVIDE TAPER FOR DIFFERENTIAL ELEVATIONS NOT EXCEEDING 3/4". PROVIDE FLOOR PATCH MATERIAL/TOPPING FOR ELEVATION CHANGE GREATER THAN 3/4".
7. ALL EXISTING PIT & PUSHWALL DIMENSIONS TO BE VERIFIED PRIOR TO COMMENCING ANY WORK.
8. COORDINATE ALL PITS & PUSHWALLS WITH FINAL BUILDING COORDINATION PLAN (BCP) AND VERIFY EXTENT & LOCATIONS PRIOR TO COMMENCING WORK.
9. EXISTING TOP OF CONCRETE SLAB ON GRADE ELEVATION VARIES. REFER TO STERLING ENVIRONMENTAL ENGINEERING, P.C., TOPOGRAPHIC SURVEY, 420 THORNE VALLEY ROAD, ROCKLAND GREEN FACILITY, VILLAGE OF HILLBURN, ROCKLAND COUNTY, NEW YORK, DATED 7/14/2021 FOR ADDITIONAL INFORMATION.

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FOUNDATION DEMOLITION PLAN

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DESIGNED	MF	5/6/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE: AS NOTED
DWG. NO: SD-200 D
CAD FILE: 499-010 SD-200.dwg
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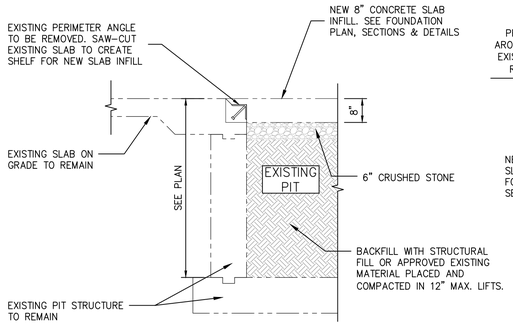

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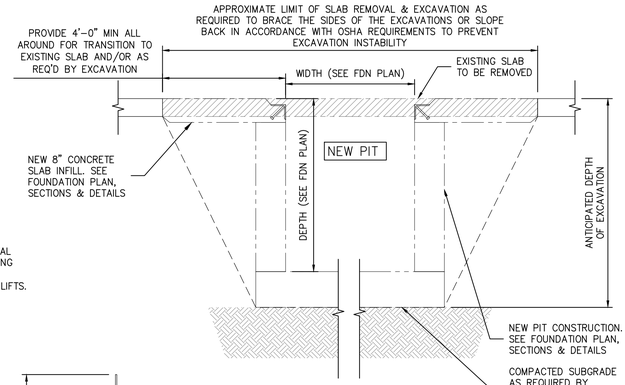

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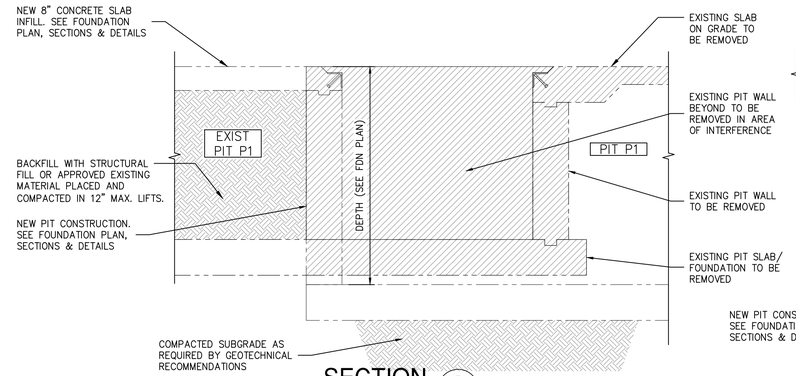

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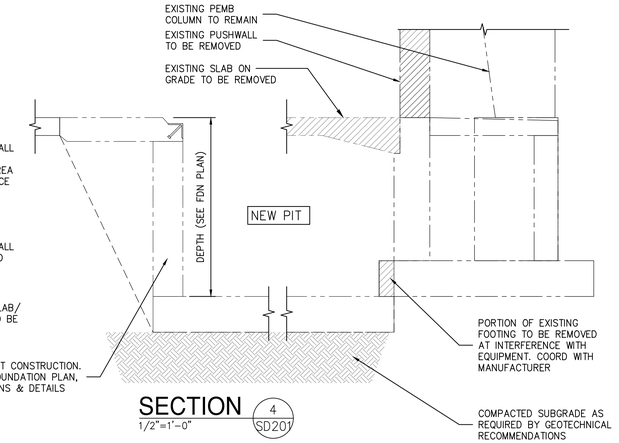

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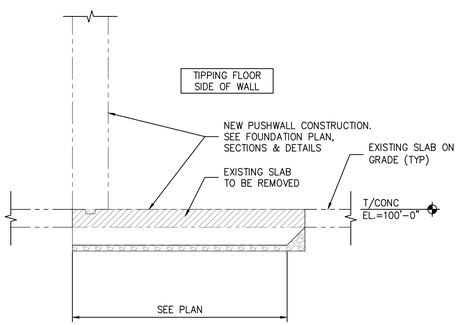

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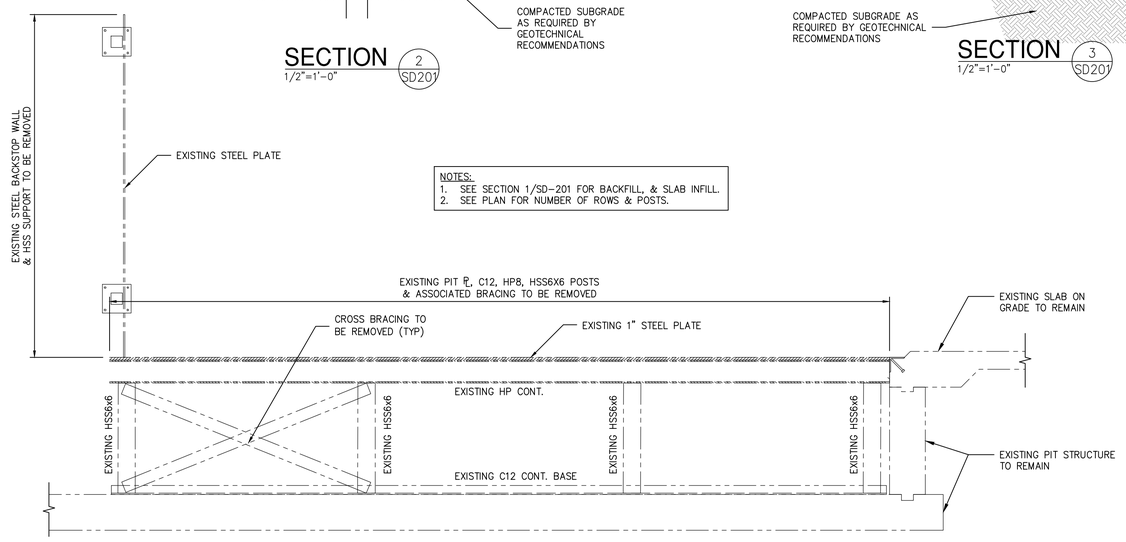
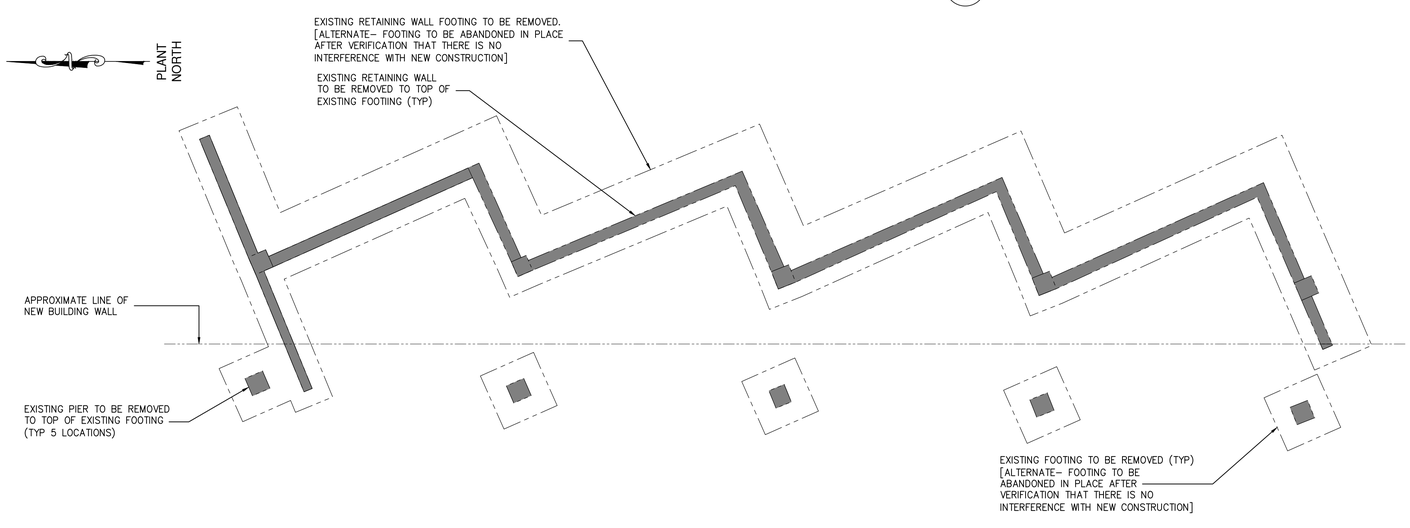


NOTES:
1. SEE SECTION 1/SD-201 FOR BACKFILL, & SLAB INFILL.
2. SEE PLAN FOR NUMBER OF ROWS & POSTS.

SECTION 6/SD201
1/2"=1'-0"



FOUNDATION DEMOLITION PLAN

SCALE: 1/8"=1'-0"

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6. LOCATION AND RELATION TO NEW BUILDING CONSTRUCTION IS BASED ON LATEST CIVIL SURVEY. FIELD VERIFY LOCATION AND COORDINATE EXTENT OF DEMOLITION & REMOVAL REQUIRED.

STATE OF NEW YORK · MARK A. FRANZ · 082717-1 · LICENSED PROFESSIONAL ENGINEER
10/27/21

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RRT Engineering , LLC
1 Huntington Quadrangle, 3S01 Melville, N.Y. 11747
ph: 631-756-1060 fax: 631-756-1064

REV	DESCRIPTION	DATE / BY / CHK
D	ISSUED FOR CONSTRUCTION	10/27/21 MF NE
C	ISSUED FOR CONTRACT	8/27/21 MF NE
B	REVISED FOR RFP ADDENDUM 6	7/23/21 MF NE
A	ISSUED FOR RFP	7/6/21 MF NE

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DESIGNED	MF	5/6/21
APPROVED		
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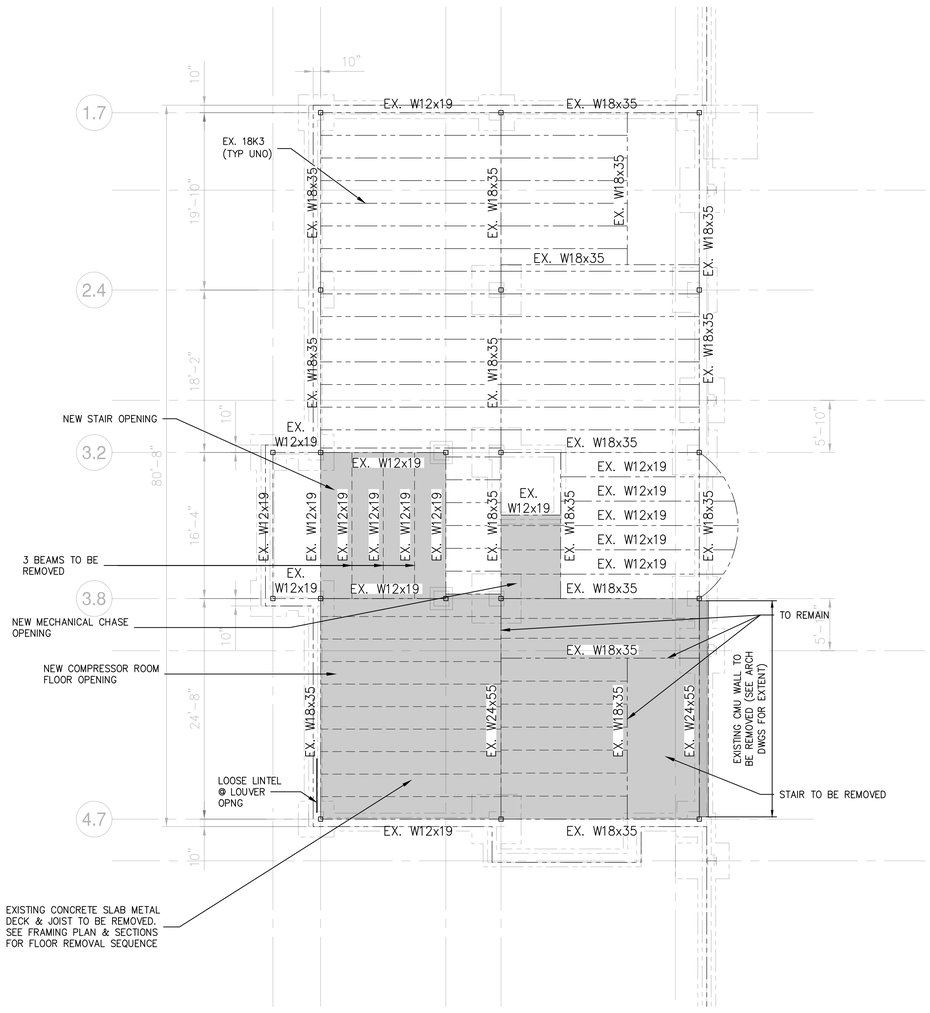
NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY, FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

FOUNDATION DEMOLITION PLAN, SECTIONS & DETAILS

PROJ. No: 499-010 | SCALE: AS NOTED
DWG. NO: SD-201 | D
CAD FILE: 499-010 SD-200.dwg
SHEET SIZE: D-24x36 | REV



2ND FLOOR FRAMING DEMOLITION PLAN

SCALE: 1/16"=1'-0"

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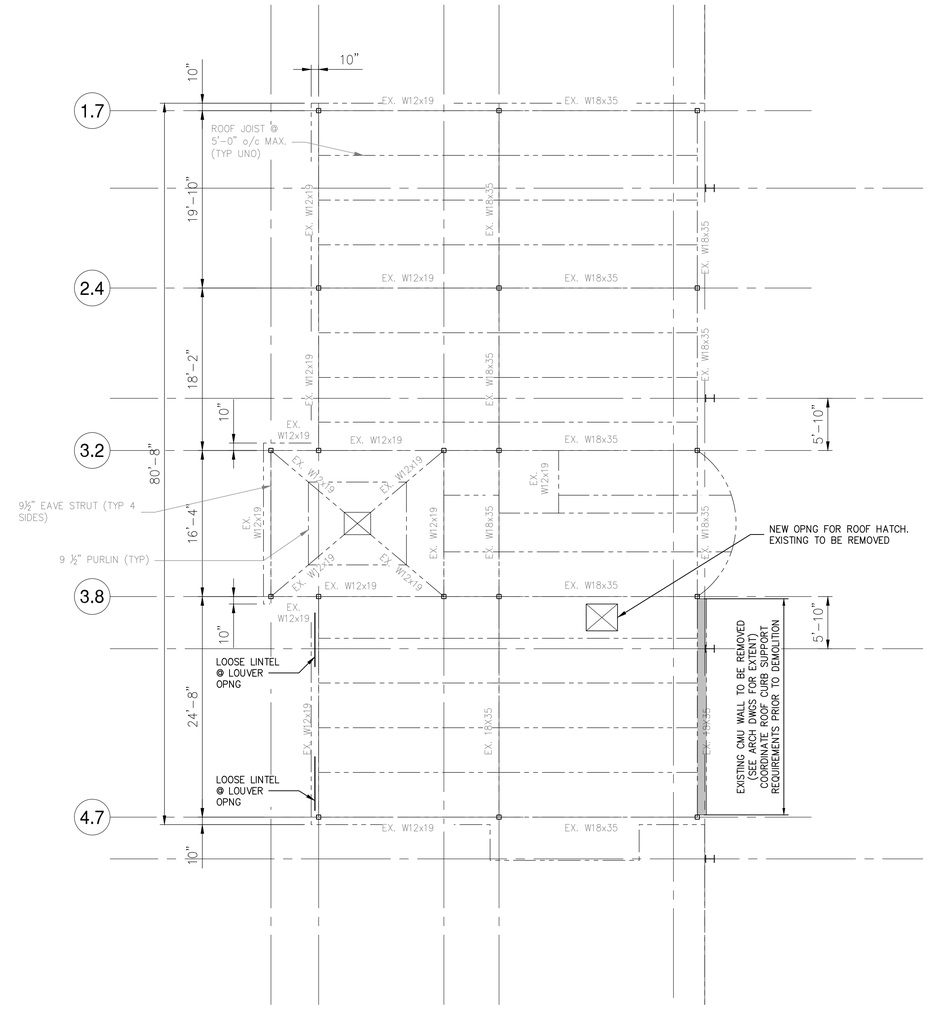

PARTIAL ROOF FRAMING DEMOLITION PLAN

SCALE: 1/16"=1'-0"

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PARTIAL FLOOR & ROOF FRAMING DEMOLITION PLANS

	BY	DATE
DRAWN	MF	5/6/21
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DESIGNED	MF	5/6/21
APPROVED		
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PROJ. No: 499-010 SCALE: AS NOTED
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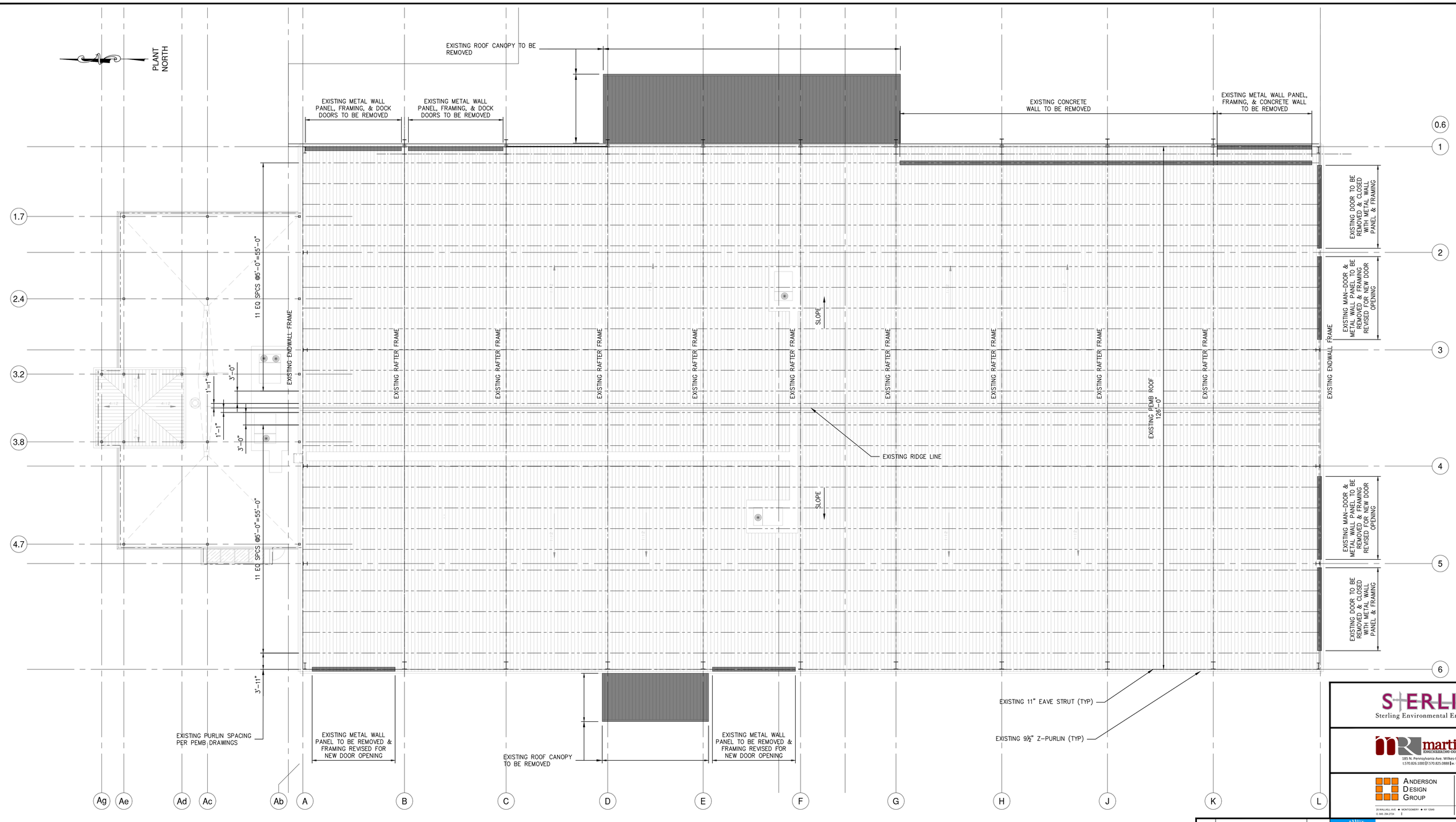

ROOF FRAMING DEMOLITION PLAN

SCALE: 1/16"=1'-0"

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ROOF FRAMING DEMOLITION PLAN

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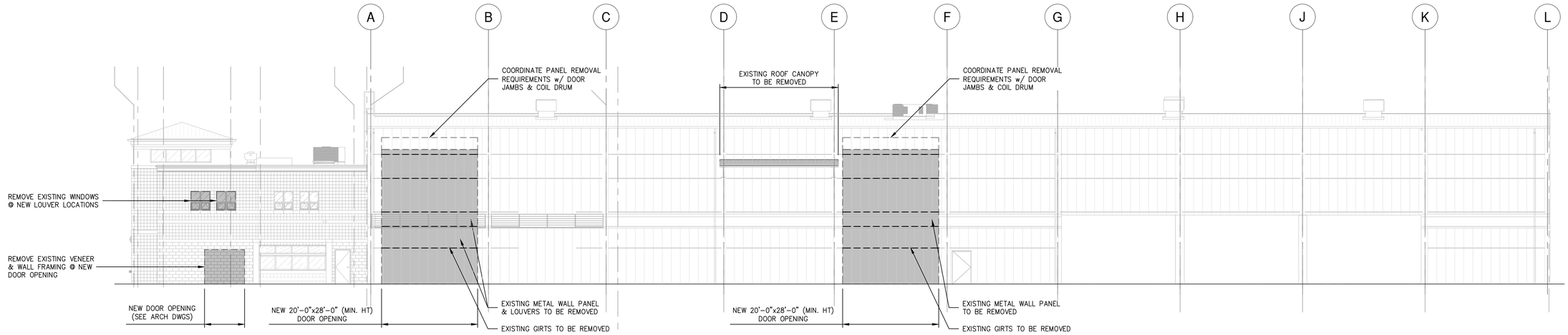

FRAMING DEMOLITION ELEVATION ALONG COL. LINE 6

SCALE: 3/32"=1'-0"

NOTES:
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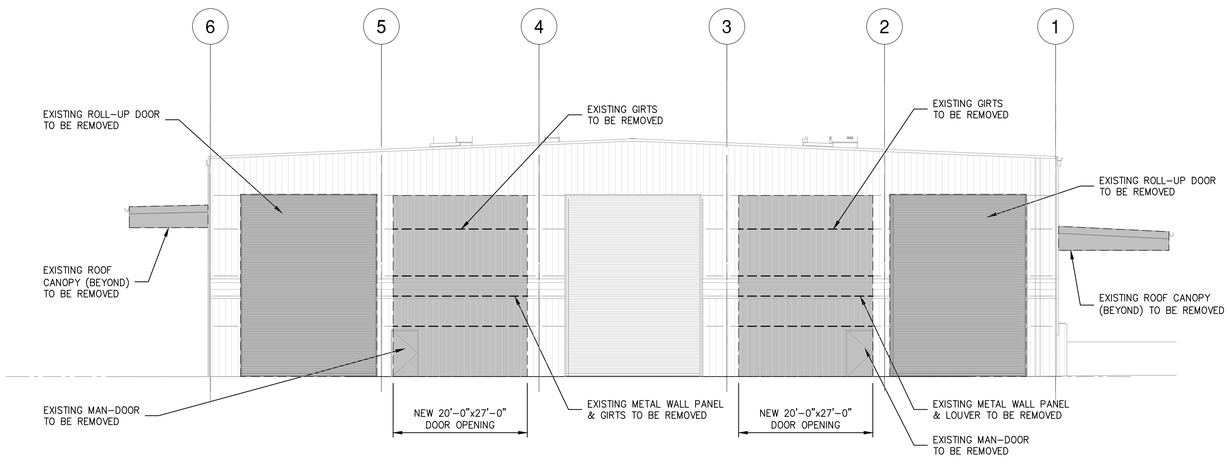
3. FIELD VERIFY EXISTING STRUCTURES BEFORE PROCEEDING WITH FABRICATION OR DEMOLITION. NOTIFY ENGINEER IMMEDIATELY OF ANY OBSERVED DISCREPANCIES.
4. LOCATE UTILITIES PRIOR TO PROCEEDING WITH DEMOLITION. EXISTING ELECTRICAL SERVICE, ELECTRICAL OUTLETS, COMMUNICATION WIRING, FIRE ALARMS AND FIRE COMMUNICATION TO BE REMOVED AND RELOCATED AS REQUIRED BEFORE ERECTION & DEMOLITION.
5. CARE SHALL BE TAKEN WORKING AROUND EXISTING UTILITIES TO REMAIN INCLUDING BUT NOT LIMITED TO FIRE SPRINKLER (COORDINATE WITH REPLACEMENT BY OTHERS).
6. FIELD VERIFY EXISTING FRAMING AT PROPOSED OPENING LOCATIONS. NOTIFY ENGINEER OF ANY REVISED DIMENSIONS AS REQUIRED. COORDINATE ALL FRAMED OPENING DIMENSIONS WITH APPROVED SUBMITTAL REQUIREMENTS.
7. CUT WALL OPENINGS AND FRAME ACCORDINGLY. COORDINATE OPENINGS WITH SUBCONTRACTOR INSTALLING DOORS, LOUVERS OR FANS. PROVIDE METAL WALL PANEL TO MATCH. PROVIDE TRIM AND SEAL AS REQUIRED TO PROVIDE FINISHED APPEARANCE.



FRAMING DEMOLITION ELEVATION ALONG COL. LINE L

SCALE: 3/32"=1'-0"

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REV	DESCRIPTION	DATE	BY	CHK
D	ISSUED FOR CONSTRUCTION	10/27/21	MF	NE
C	ISSUED FOR CONTRACT	8/27/21	MF	NE
B	REVISED FOR RFP ADDENDUM 6	7/23/21	MF	NE

STATE OF NEW YORK · MARK A. FRANZ · 082717-1 · LICENSED PROFESSIONAL ENGINEER
10/8/21

N.Y. P.E. LICENSE No. _____

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NY COA # 0017967

Rockland Green

ROCKLAND GREEN
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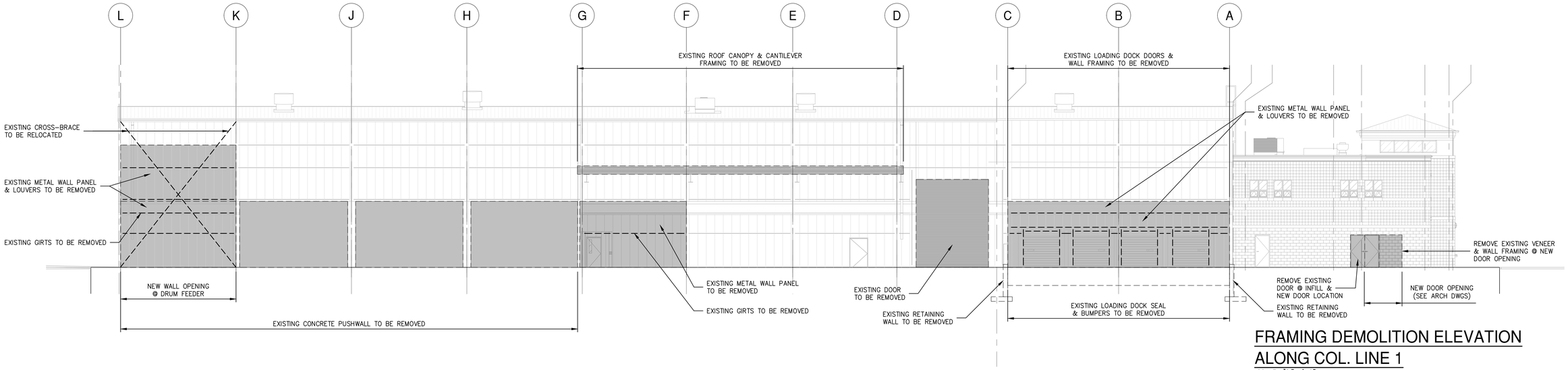
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

FRAMING DEMOLITION ELEVATIONS

	BY	DATE		
DRAWN	MF	5/6/21	PROJ. No: 499-010	SCALE: AS NOTED
CHECKED	NE		DWG. NO: SD-401	D
DESIGNED	MF	5/6/21		
APPROVED			CAD FILE: 499-010 SD-400	
APPROVED			SHEET SIZE: D-24x36	REV



FRAMING DEMOLITION ELEVATION ALONG COL. LINE 1

SCALE: 3/32"=1'-0"

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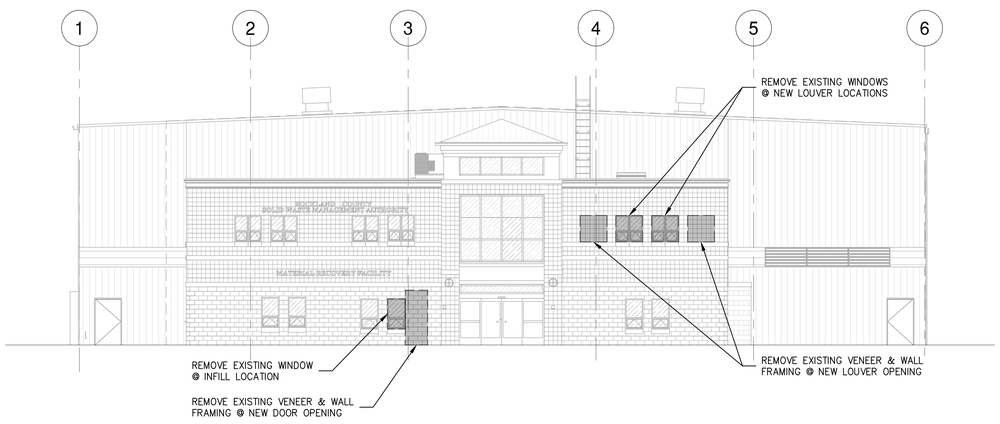

FRAMING DEMOLITION ELEVATION ALONG COL. LINE A

SCALE: 3/32"=1'-0"

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C	ISSUED FOR CONTRACT	8/27/21	MF	NE
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STATE OF NEW YORK · MARK A. FRANZ · 082717 · LICENSED PROFESSIONAL ENGINEER · 10-12-21

N.Y. P.E. LICENSE No. _____

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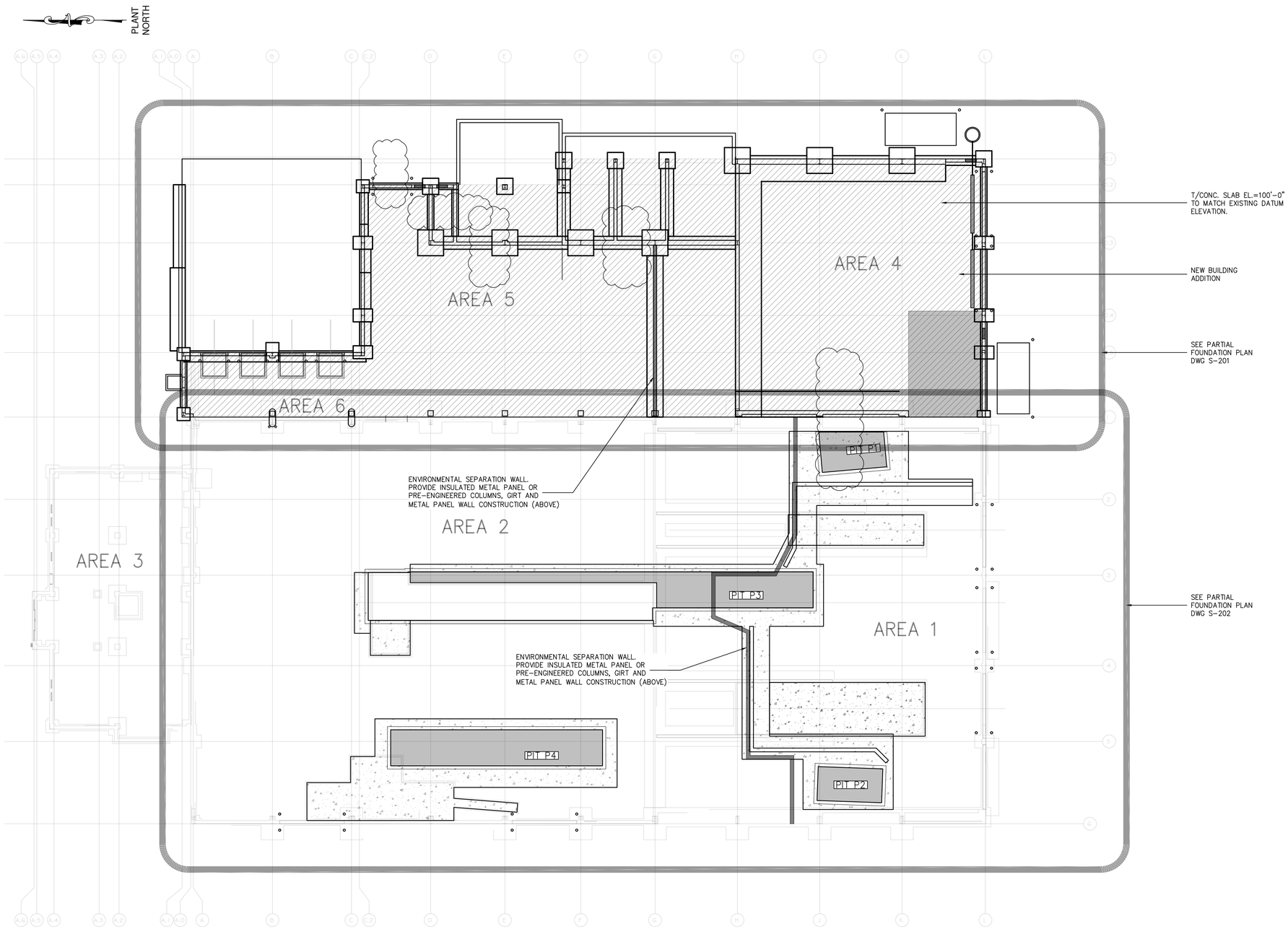
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

FRAMING DEMOLITION ELEVATIONS

	BY	DATE		
DRAWN	MF	5/6/21	PROJ. No: 499-010	SCALE: AS NOTED
CHECKED	NE		DWG. NO: SD-402	D
DESIGNED	MF	5/6/21		
APPROVED			CAD FILE: 499-010 SD-400	
APPROVED			SHEET SIZE: D-24x36	REV



OVERALL FOUNDATION PLAN

SCALE: 3/32"=1'-0"

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4. LOCATE UTILITIES PRIOR TO CUTTING CONCRETE OR EXCAVATING. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ADJACENT FOUNDATIONS, GRADE-SUPPORTED SLAB OR PAVEMENTS DURING EXCAVATION. EXISTING BUILDING STRUCTURE SHOWN REFLECTS LIMITED INFORMATION REGARDING THE EXISTING CONDITIONS AS VERIFIED BY RRT DESIGN & CONSTRUCTION.
5. FIELD VERIFY EXISTING STRUCTURES BEFORE PROCEEDING WITH FABRICATION OR DEMOLITION. NOTIFY ENGINEER IMMEDIATELY OF ANY OBSERVED DISCREPANCIES.
6. SEE GENERAL ARRANGEMENT AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION NOT SHOWN.
7. ELEVATION (100'-0") EQUALS DATUM ELEVATION (XX.XX') UNLESS OTHERWISE NOTED. ELEVATIONS NOTED ( ) ARE WITH RESPECT TO DATUM ELEVATION (100'-0").
8. COLUMNS SHALL BEAR TOP OF CONCRETE WALL OR TOP OF PIER.
9. SEE DRAWING S-101 & S-102 FOR ADDITIONAL NOTES AND DESIGN LOADS.
10. FOUNDATION DESIGN AND REVIEW OF EXISTING FOUNDATIONS TO REMAIN ARE BASED ON PRELIMINARY PEMB COLUMN REACTIONS. SUBMIT PEMB REACTIONS FOR CONFIRMATION PRIOR TO FABRICATION AND INSTALLATION.
8. TOP OF FOOTING EL.= (97'-0") TYPICAL UNLESS OTHERWISE NOTED ( ) ON PLAN.
9. TOP OF PIER EL.= [100'-0"] TYPICAL UNLESS OTHERWISE NOTED [ ] ON PLAN.
10. COORDINATE UNDERSLAB UTILITY WORK WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. PROVIDE SLEEVED OPENINGS THROUGH WALLS AND SLABS FOR PIPING AND CONDUIT. DO NOT CAST PIPING OR CONDUIT IN FOUNDATIONS OR GRADE BEAMS WITHOUT PRIOR APPROVAL OF ENGINEER.
11. PROVIDE CORNER REINFORCEMENT AT ALL FOUNDATION AND WALL INTERSECTIONS.
12. P#- INDICATES PIER TYPE. SEE PIER DETAILS ON DRAWING S-301.
13. SF- INDICATES STEPPED FOOTING.
14. ALL EXISTING PIT & PUSHWALL DIMENSIONS TO BE VERIFIED PRIOR TO COMMENCING ANY WORK.
15. COORDINATE ALL PITS & PUSHWALLS WITH FINAL BUILDING COORDINATION PLAN (BCP) AND VERIFY EXTENT & LOCATIONS PRIOR TO COMMENCING WORK.
16. EXISTING TOP OF CONCRETE SLAB ON GRADE ELEVATION VARIES. REFER TO STERLING ENVIRONMENTAL ENGINEERING, P.C., TOPOGRAPHIC SURVEY, 420 THORNE VALLEY ROAD, ROCKLAND GREEN FACILITY, VILLAGE OF HILLBURN, ROCKLAND COUNTY, NEW YORK, DATED 7/14/2021 FOR ADDITIONAL INFORMATION.
17. PROVIDE TRANSITION AS REQUIRED TO MATCH EXISTING FLOOR ELEVATION AT ALL LOCATIONS WHERE NEW CONCRETE SLAB ABUTS EXISTING.

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REV	DESCRIPTION	DATE	BY	CHK
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A	ISSUED FOR RFP	7/6/21	MF	NE

STATE OF NEW YORK · MARK A. FRANZ · 082717 · LICENSED PROFESSIONAL ENGINEER
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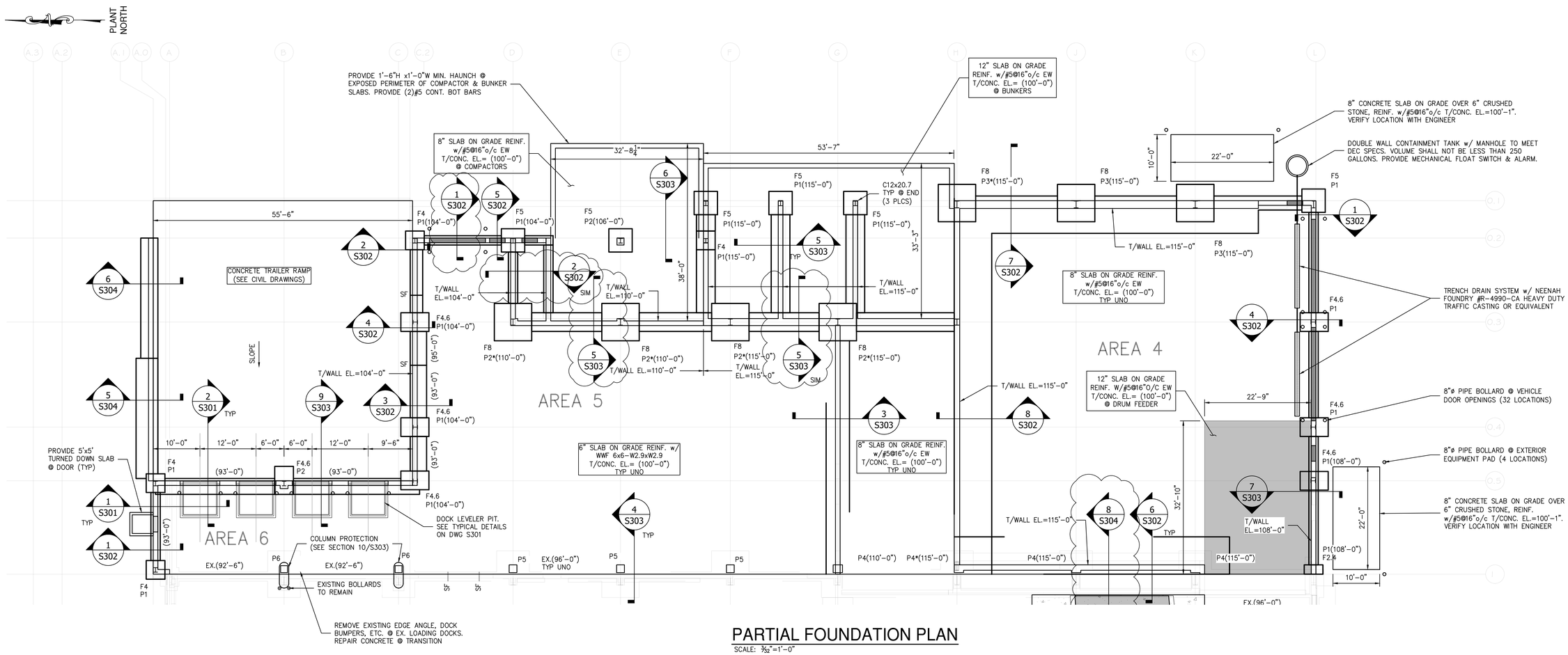
OVERALL
FOUNDATION PLAN

	BY	DATE
DRAWN	MF	5/6/21
CHECKED	NE	
DESIGNED	MF	5/6/21
APPROVED		
APPROVED		

PROJ. No: 499-010
SCALE: AS NOTED
DWG. NO: S-200
REV: D
CAD FILE: 499-010 S-200.dwg
SHEET SIZE: D-24x36



PARTIAL FOUNDATION PLAN

SCALE: 3/32"=1'-0"

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11. PROVIDE CORNER REINFORCEMENT AT ALL FOUNDATION AND WALL INTERSECTIONS.
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18. COORDINATE GROUNDING OF PEMB COLUMNS WITH ELECTRICAL DRAWINGS.
19. VERIFY EXTENT OF EXISTING COLUMN FOOTINGS ALONG COLUMN LINE 1 BY EXPOSING VISIBLE LIMITS OF FOOTING LENGTH, WIDTH & DEPTH DURING EXCAVATIONS FOR NEW FOOTINGS AND/OR PIER INSTALLATION.

FOOTING SCHEDULE

TYPE	SIZE	REINFORCING
F2.4	2'-0"x4'-0"x1'-0"	(3)#5 LW TOP & BOT (5)#5 SW TOP & BOT DOWELED TO EXISTING
F4	4'-0"x4'-0"x1'-0"	(5)#5 EW BOT
F4.6	4'-0"x6'-0"x1'-4"	(5)#6 LW TOP & BOT (7)#5 SW TOP & BOT
F5	5'-0"x5'-0"x1'-4"	(6)#5 LW TOP & BOT (6)#5 SW TOP & BOT
F8	8'-0"x8'-0"x1'-6"	(9)#6 EW TOP & BOT

PIER SCHEDULE

TYPE	SIZE	REINFORCING
P1*	1'-0"x1'-4"	(4)#6 VERT. w/ #3 TIE SETS
P2	1'-6"x1'-6"	(8)#6 VERT. w/ #3 TIE SETS
P3	2'-0"x1'-8"	(12)#10 VERT. w/ #4 TIE SETS
P4	2'-0"x1'-8"	(12)#10 VERT. w/ #4 TIE SETS
P5	1'-8"x1'-8"	(12)#6 VERT. w/ #4 TIE SETS
P6	1'-6"x1'-6"	(8)#6 VERT. w/ #3 TIE SETS

NOTES:
1. '*' INDICATES PIER SHALL BE INTEGRAL WITH CONCRETE WALL WITHOUT PROJECTION ON ONE OR BOTH SIDES (SEE PLAN). OFFSET PIER AS REQUIRED TO PREVENT PROJECTION AT WALL ENDS OR CORNERS.
2. T/PIER EL.=100'-0" UNLESS NOTED OTHERWISE (XX'-XX").
3. PIER TYPES P4, P5 & P6 ARE REQUIRED FOR METHOD 1 PEMB STAND-ALONE ROOF SUPPORT CONSTRUCTION.

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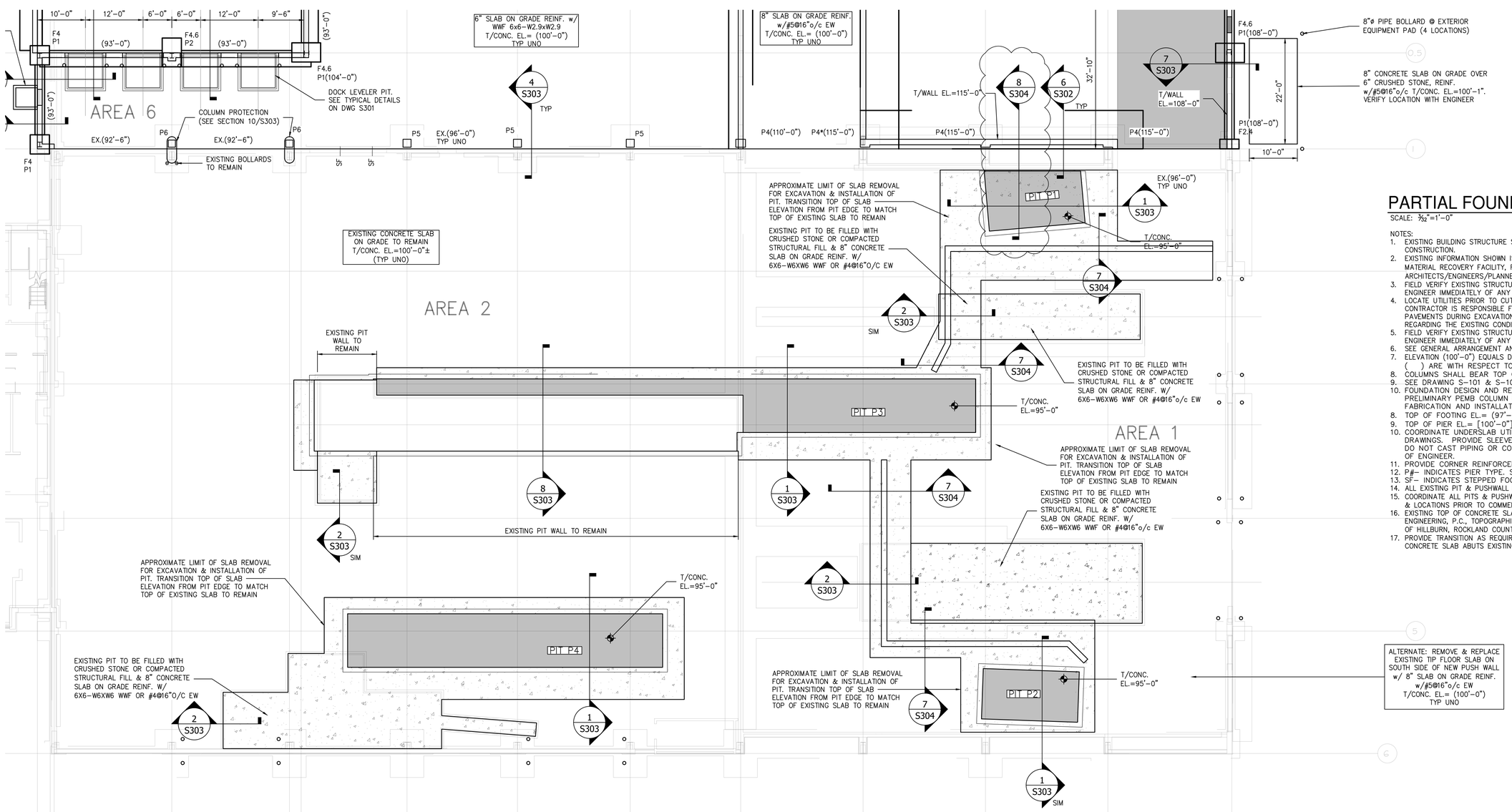
CAD FILE: 499-010 S-200.dwg
SHEET SIZE: D-24x36



PARTIAL FOUNDATION PLAN

SCALE: 3/32"=1'-0"

NOTES:

1. EXISTING BUILDING STRUCTURE SHOWN IS BASED LIMITED INFORMATION AS VERIFIED BY RRT DESIGN & CONSTRUCTION.
2. EXISTING INFORMATION SHOWN IS TAKEN FROM DRAWINGS PROVIDED FOR "FACILITY AND SYSTEM EXPANSION, MATERIAL RECOVERY FACILITY, ROCKLAND COUNTY, NEW YORK", BY MAGUIRE GROUP, ARCHITECTS/ENGINEERS/PLANNERS P.C. LTD. DATED JUNE 13, 1997.
3. FIELD VERIFY EXISTING STRUCTURES BEFORE PROCEEDING WITH FABRICATION OR DEMOLITION. NOTIFY ENGINEER IMMEDIATELY OF ANY OBSERVED DISCREPANCIES.
4. LOCATE UTILITIES PRIOR TO CUTTING CONCRETE OR EXCAVATING. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ADJACENT FOUNDATIONS, GRADE-SUPPORTED SLAB OR PAVEMENTS DURING EXCAVATION. EXISTING BUILDING STRUCTURE SHOWN REFLECTS LIMITED INFORMATION REGARDING THE EXISTING CONDITIONS AS VERIFIED BY RRT DESIGN & CONSTRUCTION.
5. FIELD VERIFY EXISTING STRUCTURES BEFORE PROCEEDING WITH FABRICATION OR DEMOLITION. NOTIFY ENGINEER IMMEDIATELY OF ANY OBSERVED DISCREPANCIES.
6. SEE GENERAL ARRANGEMENT AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION NOT SHOWN.
7. ELEVATION (100'-0") EQUALS DATUM ELEVATION (XX.XX') UNLESS OTHERWISE NOTED. ELEVATIONS NOTED ( ) ARE WITH RESPECT TO DATUM ELEVATION (100'-0").
8. COLUMNS SHALL BEAR TOP OF CONCRETE WALL OR TOP OF PIER.
9. SEE DRAWING S-101 & S-102 FOR ADDITIONAL NOTES AND DESIGN LOADS.
10. FOUNDATION DESIGN AND REVIEW OF EXISTING FOUNDATIONS TO REMAIN ARE BASED ON PRELIMINARY PEMB COLUMN REACTIONS. SUBMIT PEMB REACTIONS FOR CONFIRMATION PRIOR TO FABRICATION AND INSTALLATION.
8. TOP OF FOOTING EL.= (97'-0") TYPICAL UNLESS OTHERWISE NOTED ( ) ON PLAN.
9. TOP OF PIER EL.= [100'-0"] TYPICAL UNLESS OTHERWISE NOTED [ ] ON PLAN.
10. COORDINATE UNDERSLAB UTILITY WORK WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. PROVIDE SLEEVED OPENINGS THROUGH WALLS AND SLABS FOR PIPING AND CONDUIT. DO NOT CAST PIPING OR CONDUIT IN FOUNDATIONS OR GRADE BEAMS WITHOUT PRIOR APPROVAL OF ENGINEER.
11. PROVIDE CORNER REINFORCEMENT AT ALL FOUNDATION AND WALL INTERSECTIONS.
12. P#- INDICATES PIER TYPE. SEE PIER DETAILS ON DRAWING S-301.
13. SF- INDICATES STEPPED FOOTING.
14. ALL EXISTING PIT & PUSHWALL DIMENSIONS TO BE VERIFIED PRIOR TO COMMENCING ANY WORK.
15. COORDINATE ALL PITS & PUSHWALLS WITH FINAL BUILDING COORDINATION PLAN (BCP) AND VERIFY EXTENT & LOCATIONS PRIOR TO COMMENCING WORK.
16. EXISTING TOP OF CONCRETE SLAB ON GRADE ELEVATION VARIES. REFER TO STERLING ENVIRONMENTAL ENGINEERING, P.C., TOPOGRAPHIC SURVEY, 420 THORNE VALLEY ROAD, ROCKLAND GREEN FACILITY, VILLAGE OF HILLBURN, ROCKLAND COUNTY, NEW YORK, DATED 7/14/2021 FOR ADDITIONAL INFORMATION.
17. PROVIDE TRANSITION AS REQUIRED TO MATCH EXISTING FLOOR ELEVATION AT ALL LOCATIONS WHERE NEW CONCRETE SLAB ABUTS EXISTING.

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REV	DESCRIPTION	DATE	BY	CHK
D	ISSUED FOR CONSTRUCTION	10/27/21	MF	NE
C	ISSUED FOR CONTRACT	8/27/21	MF	NE
B	REVISED FOR RFP ADDENDUM 6	7/23/21	MF	NE
A	ISSUED FOR RFP	7/6/21	MF	NE

STATE OF NEW YORK · MARK A. FRANK · 082717 · LICENSED PROFESSIONAL ENGINEER
10/27/21
N.Y. P.E. LICENSE No. 82717-1

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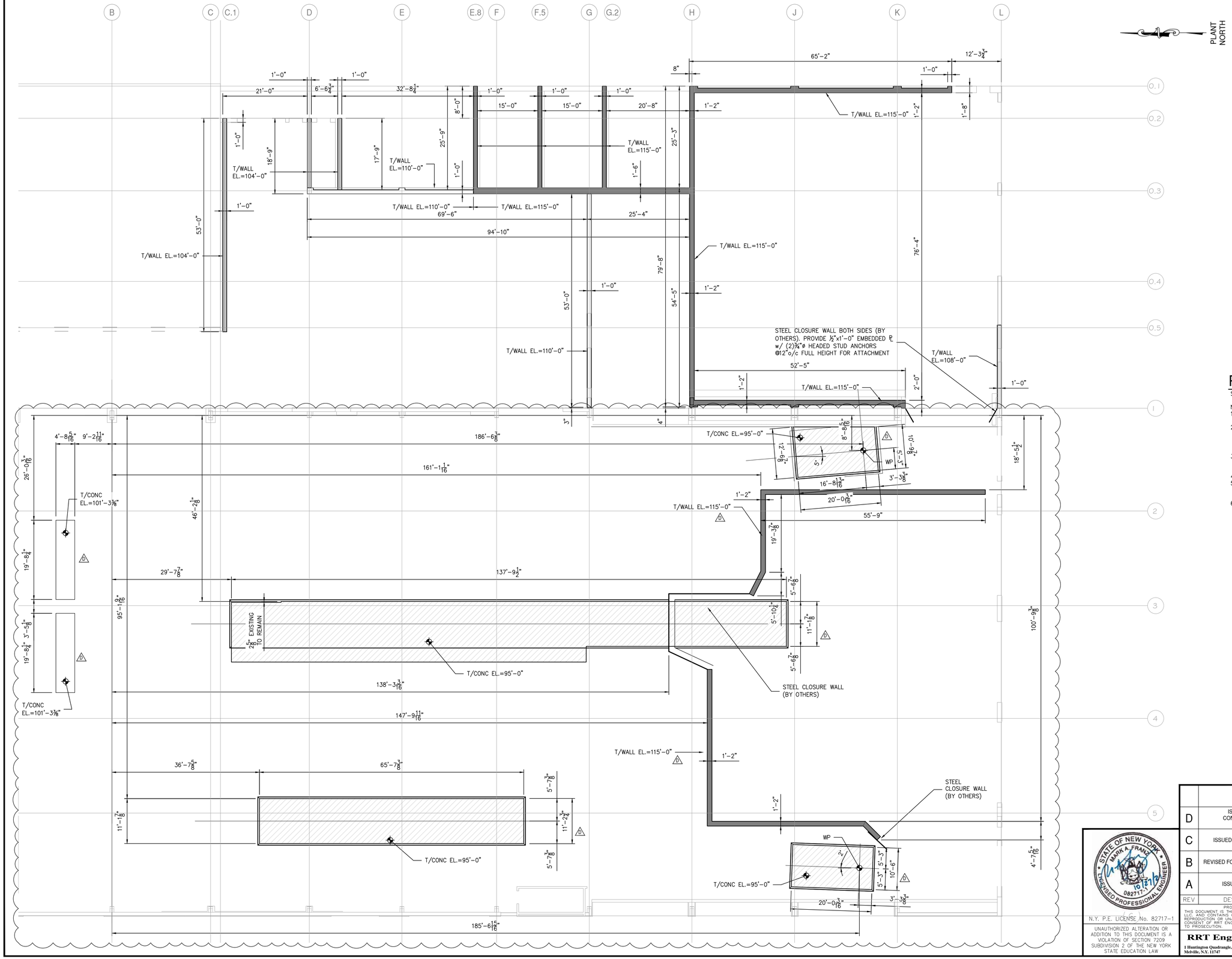
NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FOUNDATION PLAN

	BY	DATE
DRAWN	MF	5/6/21
CHECKED	NE	
DESIGNED	MF	5/6/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE: AS NOTED
DWG. NO: S-202 D
CAD FILE: 499-010 S-200.dwg
SHEET SIZE: D-24x36 REV



PUSHWALL & PIT LOCATION PLAN

SCALE: 3/32"=1'-0"

NOTES:

1. EXISTING BUILDING STRUCTURE SHOWN IS BASED LIMITED INFORMATION AS VERIFIED BY RRT DESIGN & CONSTRUCTION.
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4. LOCATE UTILITIES PRIOR TO CUTTING CONCRETE OR EXCAVATING.
5. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ADJACENT FOUNDATIONS, GRADE-SUPPORTED SLAB OR PAVEMENTS DURING EXCAVATION.
6. NOTE EQUIPMENT LAYOUT IS NOT FINAL AND MAY REQUIRE ADJUSTMENTS TO PIT & WALL LOCATIONS. COORDINATE ALL DIMENSIONS AND LOCATIONS WITH EQUIPMENT DRAWINGS PRIOR TO LAYOUT. BRING ANY DISCREPANCIES TO THE ENGINEERS ATTENTION.

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Rockland Green
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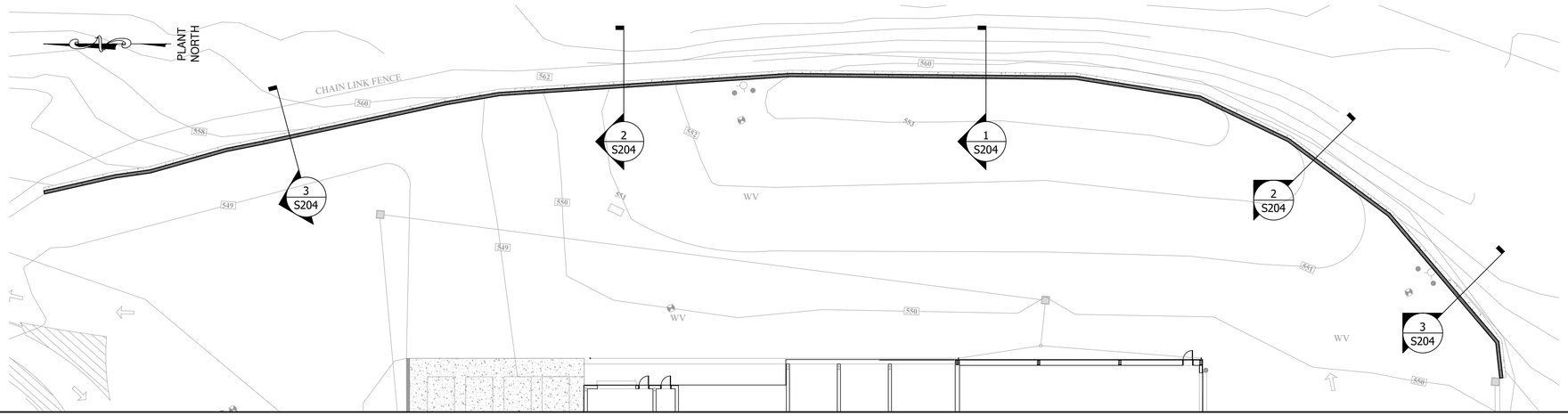
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PUSHWALL & PIT
LOCATION PLAN

	BY	DATE
DRAWN	MF	5/6/21
CHECKED	NE	
DESIGNED	MF	5/6/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE: AS NOTED
DWG. NO: S-203 D
CAD FILE: 499-010 S-200.dwg
SHEET SIZE: D-24x36 REV



SITE RETAINING WALL PLAN (ALT)

SCALE: 1"=20'-0"

NOTES:

1. FIELD VERIFY EXISTING STRUCTURES BEFORE PROCEEDING WITH FABRICATION OR DEMOLITION. NOTIFY ENGINEER IMMEDIATELY OF ANY OBSERVED DISCREPANCIES.
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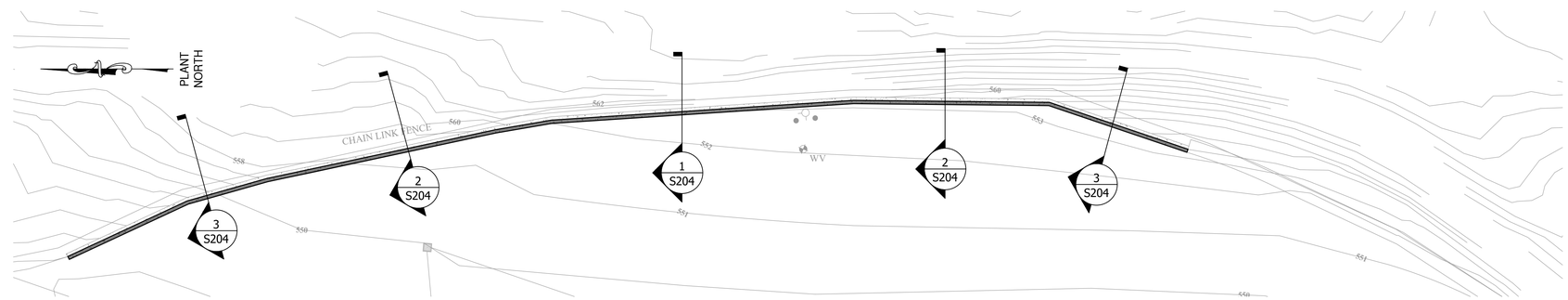
4. COORDINATE ALL DIMENSIONS AND LOCATIONS WITH CIVIL DRAWINGS PRIOR TO LAYOUT. BRING ANY DISCREPANCIES TO THE ENGINEERS ATTENTION.
5. PROVIDE DRAINAGE PIPE BEHIND WALL TO DAYLIGHT BOTH ENDS.
6. PROVIDE 6"ø MIN. WEEP HOLES @ 20'o/c MAX. SPACING.



SITE RETAINING WALL PLAN

SCALE: 1"=20'-0"

NOTES:

1. FIELD VERIFY EXISTING STRUCTURES BEFORE PROCEEDING WITH FABRICATION OR DEMOLITION. NOTIFY ENGINEER IMMEDIATELY OF ANY OBSERVED DISCREPANCIES.
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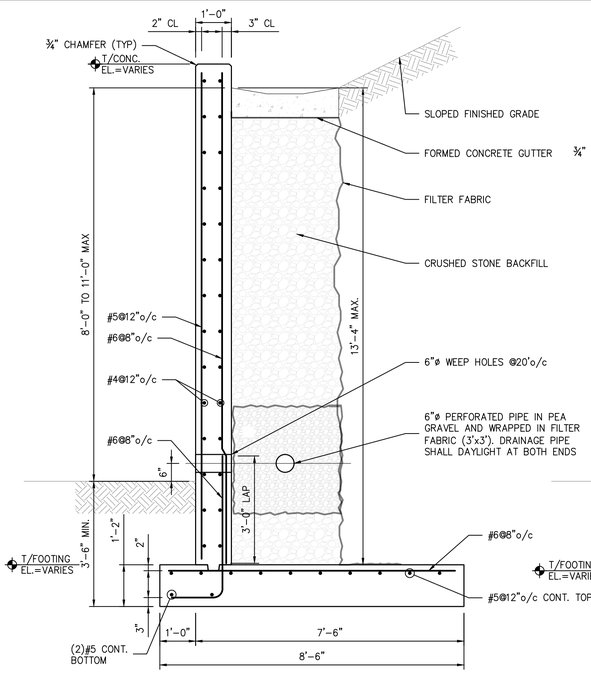
6. PROVIDE 6"ø MIN. WEEP HOLES @ 20'o/c MAX. SPACING.



SECTION 1/S204
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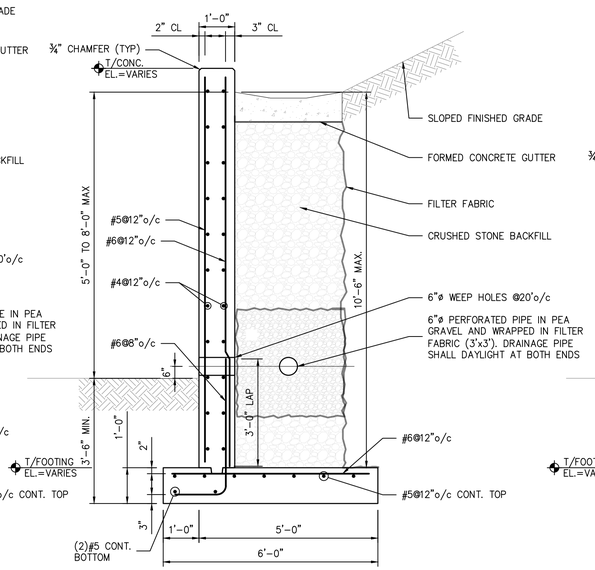

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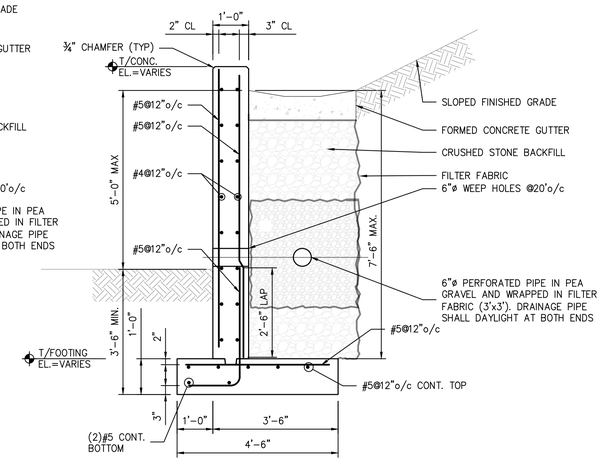

SECTION 3/S204
1/2"=1'-0"

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STATE OF NEW YORK · MARK A. FRANZ · 082717 · LICENSED PROFESSIONAL ENGINEER
10/27/21

N.Y. P.E. LICENSE No. 82717-1

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C	ISSUED FOR CONTRACT	8/27/21	MF	NE
B	REVISED FOR RFP ADDENDUM 6	7/23/21	MF	NE

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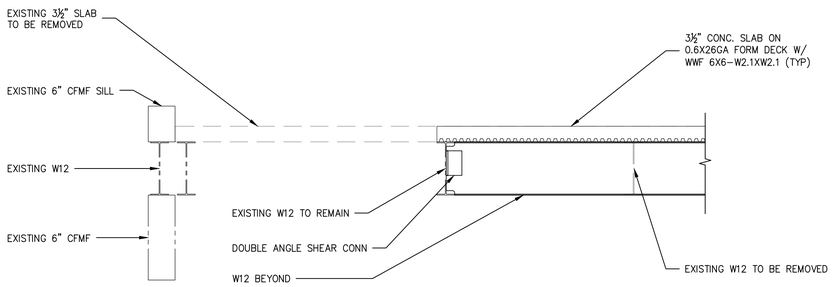
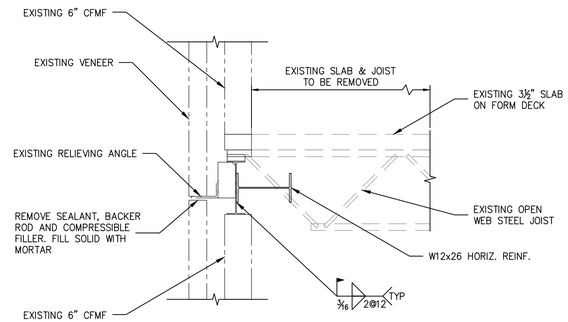
Rockland Green
ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

SITE RETAINING WALL
PLAN & SECTIONS

	BY	DATE		
DRAWN	MF	5/6/21	PROJ. No: 499-010	SCALE: AS NOTED
CHECKED	NE		DWG. NO: S-204	D
DESIGNED	MF	5/6/21	CAD FILE: 499-010 S-200.dwg	
APPROVED				
APPROVED			SHEET SIZE: D-24x36	REV

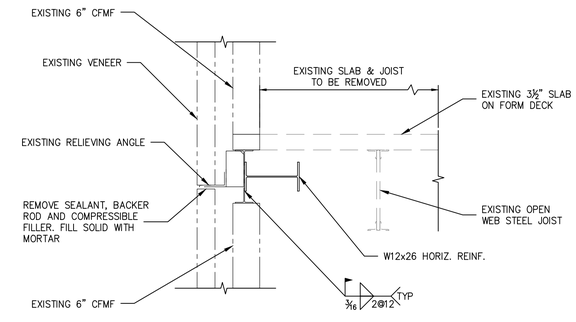


SECTION 1
3/4"=1'-0"
S-501



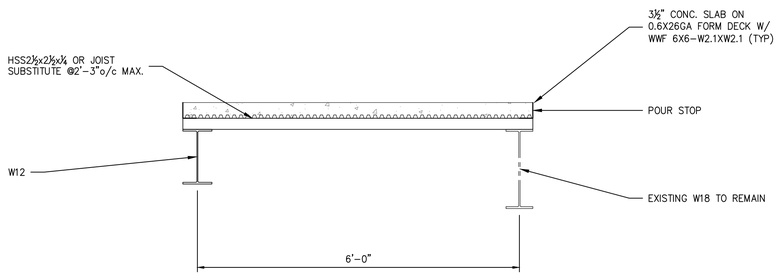
SEQUENCE OF DEMOLITION/CONSTRUCTION:
1. REMOVE EXISTING CONCRETE SLAB TO REMOVE LOAD ON PERIMETER BEAM & RELIEVING ANGLE.
2. REMOVE SEALANT, BACKER ROD AND COMPRESSIBLE FILLER. FILL SOLID WITH MORTAR
3. REMOVE OPEN WEB STEEL JOISTS.
4. INSTALL W12 HORIZONTAL REINFORCING. PROVIDE SEAT TO COLUMN BOTH ENDS.

SECTION 2
3/4"=1'-0"
S-501

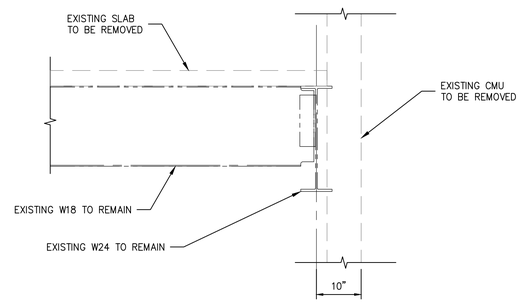


SEQUENCE OF DEMOLITION/CONSTRUCTION:
1. REMOVE SEALANT, BACKER ROD AND COMPRESSIBLE FILLER. FILL SOLID WITH MORTAR.
2. REMOVE EXISTING CONCRETE SLAB TO REMOVE LOAD ON PERIMETER BEAM & RELIEVING ANGLE.
3. REMOVE OPEN WEB STEEL JOISTS.
4. INSTALL W12 HORIZONTAL REINFORCING. PROVIDE SEAT TO COLUMN BOTH ENDS.

SECTION 3
3/4"=1'-0"
S-501



SECTION 4
3/4"=1'-0"
S-501



SECTION 5
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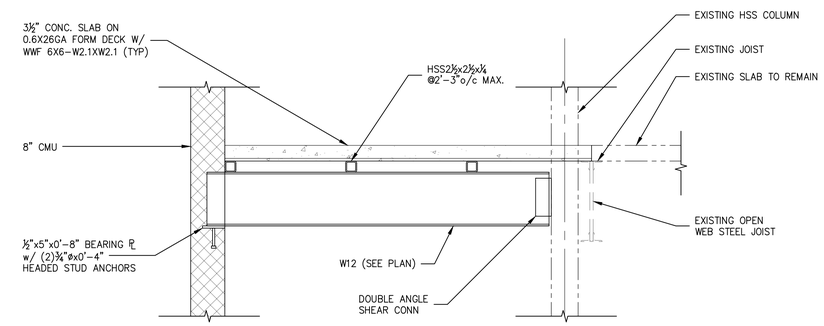
S-501



SECTION 6
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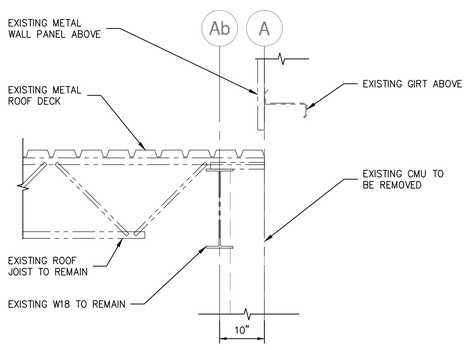
S-501



SECTION 7
3/4"=1'-0"
S-501

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Rockland Green

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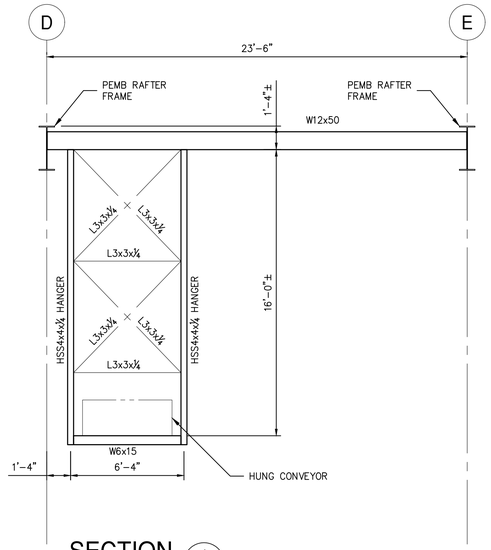
FRAMING
SECTIONS & DETAILS

	BY	DATE		
DRAWN	MF	5/6/21	PROJ. No: 499-010	SCALE: AS NOTED
CHECKED	NE		OWG. NO: S-501	D
DESIGNED	MF	5/6/21		
APPROVED			CAD FILE: 499-010 S-500	
APPROVED			SHEET SIZE: D-24x36	REV



SECTION 1/S502
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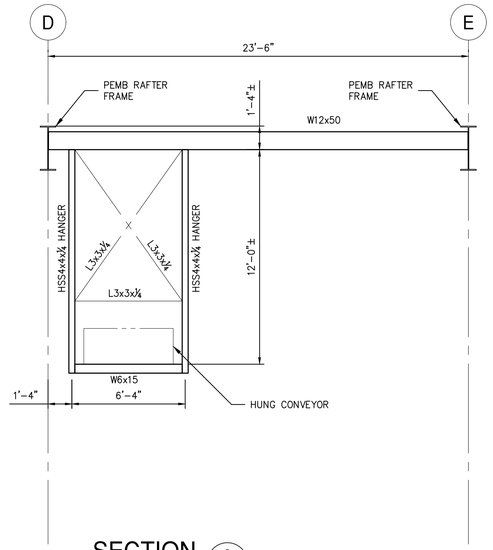

SECTION 2/S502
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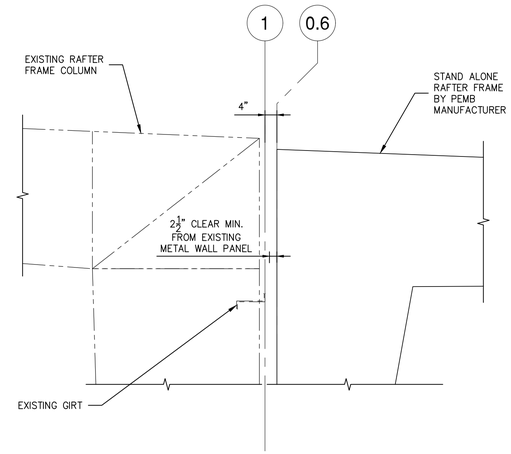
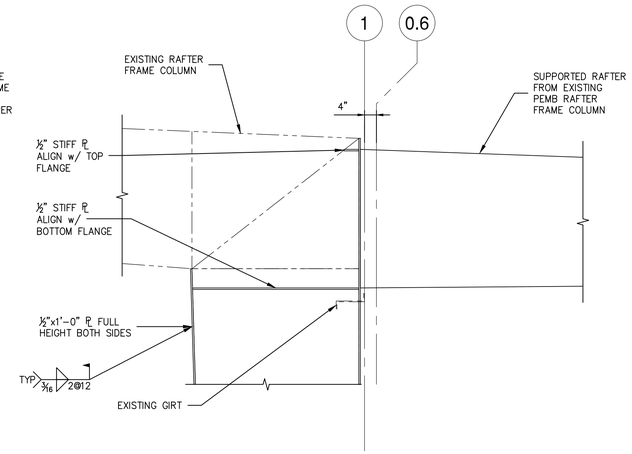


METHOD 1



METHOD 2

NOTES:
PEMB ROOF STRUCTURE SHALL BE CONSTRUCTED UTILIZING ONE OF THE FOLLOWING METHODS:

METHOD 1– SHALL BE A STAND–ALONE STRUCTURE UTILIZING NEW COLUMNS AT GRID LINE 0.6. COLUMNS SHALL BEAR ON CONCRETE PIERS WITH T/CONC. AT FINISHED FLOOR ELEVATION OR T/CONC MATCHING TOP OF WALL ELEVATION (SEE FOUNDATION PLAN).

METHOD 2– SHALL UTILIZE THE EXISTING BUILDING COLUMNS AT GRID LINE 1 FOR SUPPORT. COLUMNS SHALL BE ASSUMED TO BE REINFORCED PER SECTIONS & DETAILS FOR BIDDING PURPOSES. EVALUATION OF EXISTING STRUCTURE AND REINFORCEMENT REQUIREMENTS SHALL BE PROVIDED BY PEMB MANUFACTURER OR THIRD PARTY ENGINEER.

SECTION 3/S502
3/4"=1'-0"

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10-12-19
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B	REVISED FOR RFP ADDENDUM 6	7/23/21	MF	NE

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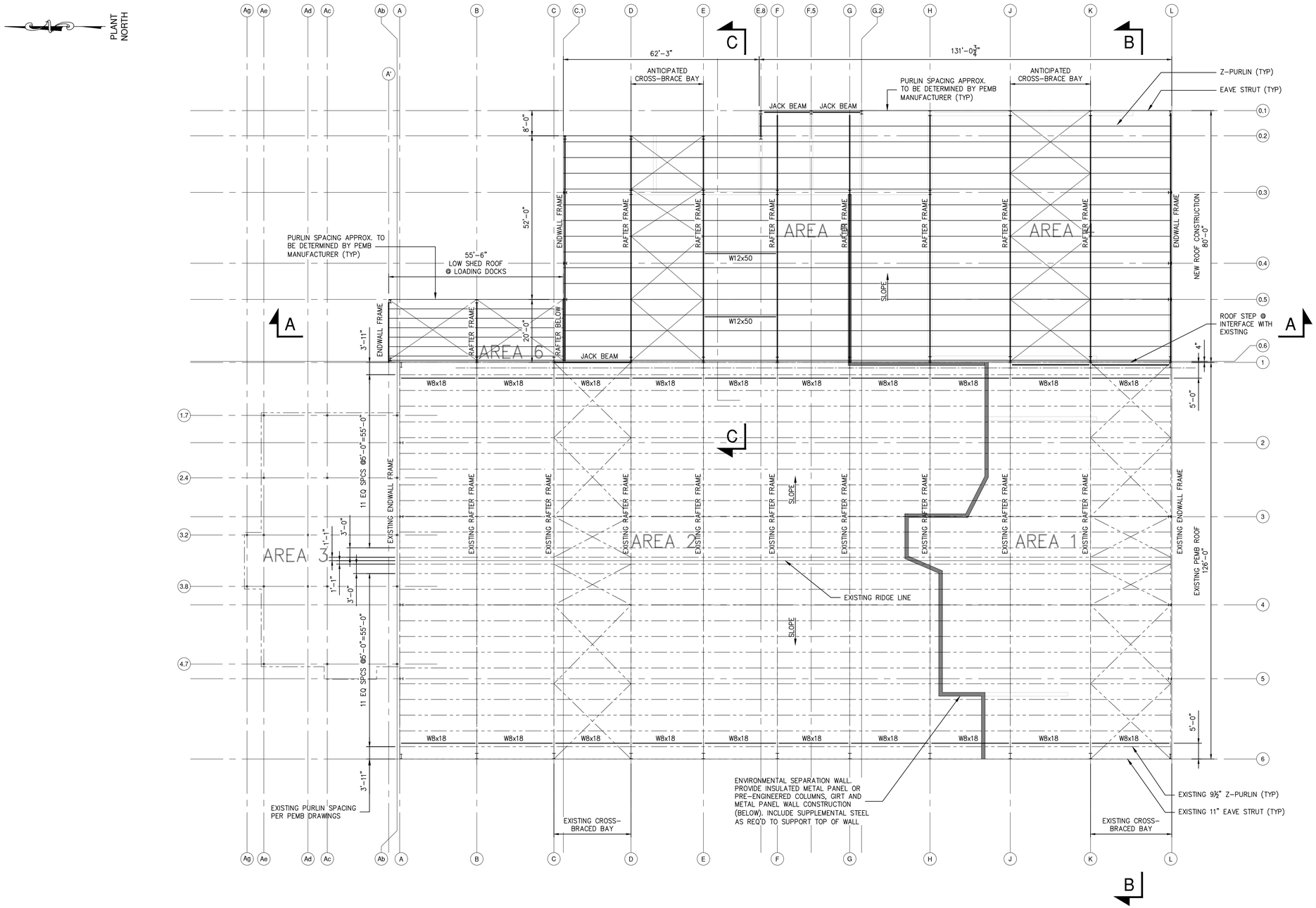
RRT Engineering , LLC
1 Huntington Quadrangle, JS01 ph: 631-756-1060
Melville, N.Y. 11747 fax: 631-756-1064

RRT Engineering , LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

FRAMING SECTIONS & DETAILS

	BY	DATE		
DRAWN	MF	5/6/21	PROJ. No: 499-010	SCALE: AS NOTED
CHECKED	NE		DWG. NO: S-502	D
DESIGNED	MF	5/6/21		
APPROVED			CAD FILE: 499–010 S–500	
APPROVED			SHEET SIZE: D–24x36	REV



OVERALL ROOF FRAMING PLAN

SCALE: 1/16"=1'-0"

NOTES:

1. EXISTING BUILDING STRUCTURE SHOWN IS BASED LIMITED INFORMATION AS VERIFIED BY RRT DESIGN & CONSTRUCTION.
2. EXISTING INFORMATION SHOWN IS TAKEN FROM DRAWINGS PROVIDED FOR "FACILITY AND SYSTEM EXPANSION, MATERIAL RECOVERY FACILITY, ROCKLAND COUNTY, NEW YORK", BY MAGUIRE GROUP, ARCHITECTS/ENGINEERS/PLANNERS P.C. LTD. DATED JUNE 13, 1997.
3. FIELD VERIFY EXISTING STRUCTURES BEFORE PROCEEDING WITH FABRICATION OR DEMOLITION. NOTIFY ENGINEER IMMEDIATELY OF ANY OBSERVED DISCREPANCIES.
4. LOCATE UTILITIES PRIOR TO DEMOLITION OR ERECTION.
5. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ADJACENT STRUCTURES DURING DEMOLITION OR ERECTION.
6. PEMB ROOF STRUCTURE SHALL BE CONSTRUCTED UTILIZING ONE OF THE FOLLOWING METHODS:
   - 6.1. METHOD 1 SHALL BE A STAND-ALONE STRUCTURE UTILIZING NEW COLUMNS AT GRID LINE 0.6. COLUMNS SHALL BEAR ON CONCRETE PIERS WITH T/CONC. AT FINISHED FLOOR ELEVATION OR T/CONC MATCHING TOP OF WALL ELEVATION (SEE FOUNDATION PLAN).
   - 6.2. METHOD 2 SHALL UTILIZE THE EXISTING BUILDING COLUMNS AT GRID LINE 1 FOR SUPPORT. COLUMNS SHALL BE ASSUMED TO BE REINFORCED PER SECTIONS & DETAILS FOR BIDDING PURPOSES. EVALUATION OF EXISTING STRUCTURE AND REINFORCEMENT REQUIREMENTS SHALL BE PROVIDED BY PEMB MANUFACTURER OR THIRD PARTY ENGINEER.
7. EXISTING FRAMED ROOF OPENINGS ARE SHOWN ON ARCHITECTURAL DRAWINGS. COORDINATE NEW WORK WITH CONTRACT #3– MECHANICAL.

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ANDERSON DESIGN GROUP
ARCHITECTURE PLANNING INTERIORS
28 WALLKILL AVE ■ MONTGOMERY ■ NY 12549
O. 845.294.2724 | WWW.ADGARCHITECT.COM CONTACT@ADGARCHITECT.COM

REV	DESCRIPTION	DATE	BY	CHK
D	ISSUED FOR CONSTRUCTION	10/27/21	MF	NE
C	ISSUED FOR CONTRACT	8/27/21	MF	NE
B	REVISED FOR RFP ADDENDUM 6	7/23/21	MF	NE
A	ISSUED FOR RFP	7/6/21	MF	NE

STATE OF NEW YORK · MARK A. FRANZ · 082717 · LICENSED PROFESSIONAL ENGINEER · 10/27/21

N.Y. P.E. LICENSE No. 82717-1

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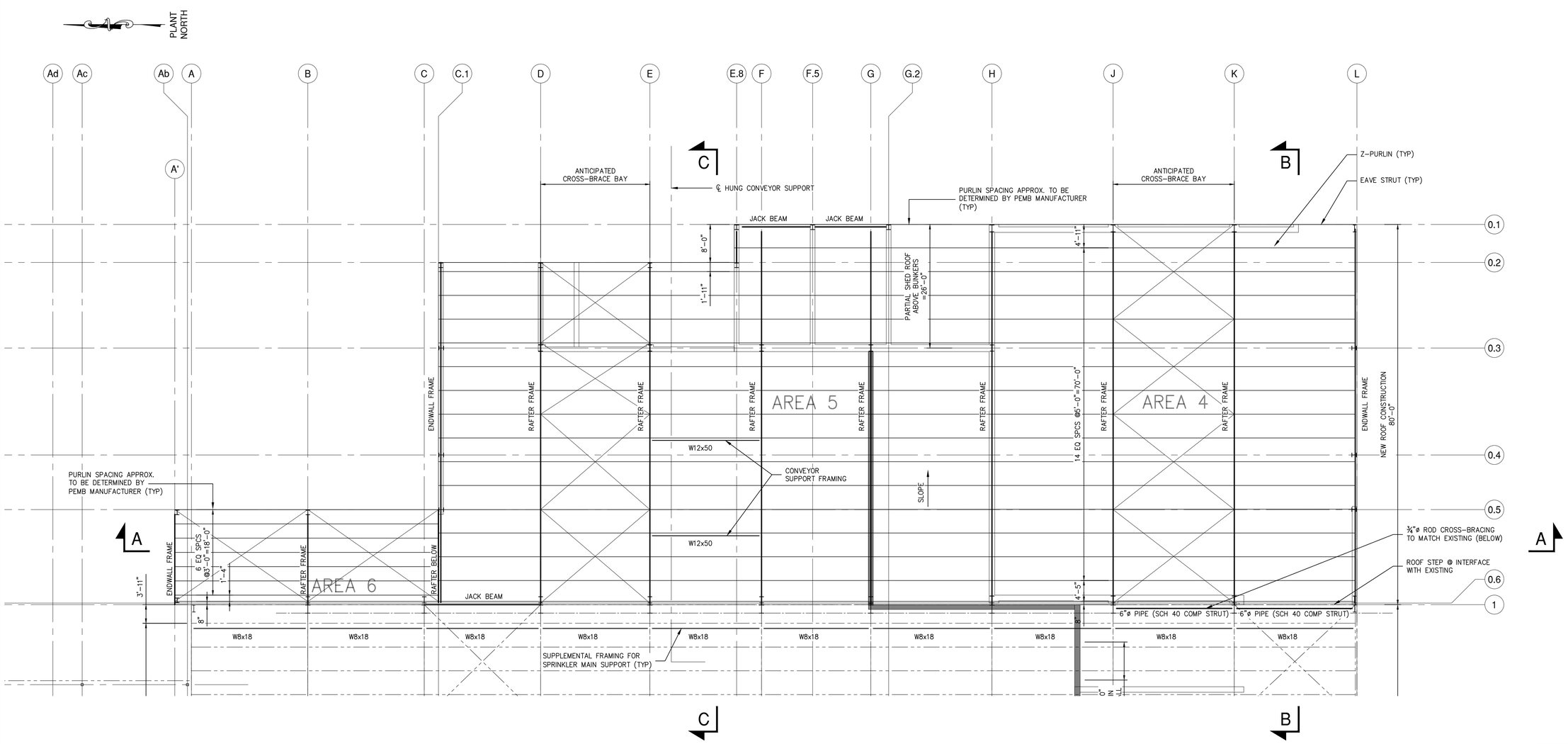
Rockland Green
ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

OVERALL
ROOF FRAMING PLAN

	BY	DATE
DRAWN	MF	5/6/21
CHECKED	NE	
DESIGNED	MF	5/6/21
APPROVED		
APPROVED		

PROJ. No: 499-010 | SCALE: AS NOTED
DWG. NO: S-210 | D
CAD FILE: 499-010 S-210.dwg
SHEET SIZE: D-24x36 | REV



PARTIAL ROOF FRAMING PLAN

SCALE: 1/16"=1'-0"

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4. LOCATE UTILITIES PRIOR TO DEMOLITION OR ERECTION.
5. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ADJACENT STRUCTURES DURING DEMOLITION OR ERECTION.
6. ENVIRONMENTAL SEPARATION WALL SHALL BE INSULATED METAL PANEL OR PRE-ENGINEERED COLUMNS, GIRT AND METAL PANEL WALL CONSTRUCTION. INCLUDE SUPPLEMENTAL STEEL AS REQ'D TO SUPPORT TOP OF WALL. SEE ARCHITECTURAL DRAWINGS FOR REQUIRED DOOR OPENINGS.
7. PROVIDE NEW FRAMED ROOF OPENINGS AS SHOWN ON ARCHITECTURAL AND MECHANICAL DRAWINGS. COORDINATE NEW WORK WITH CONTRACT #3-MECHANICAL.

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PARTIAL ROOF FRAMING PLAN

	BY	DATE
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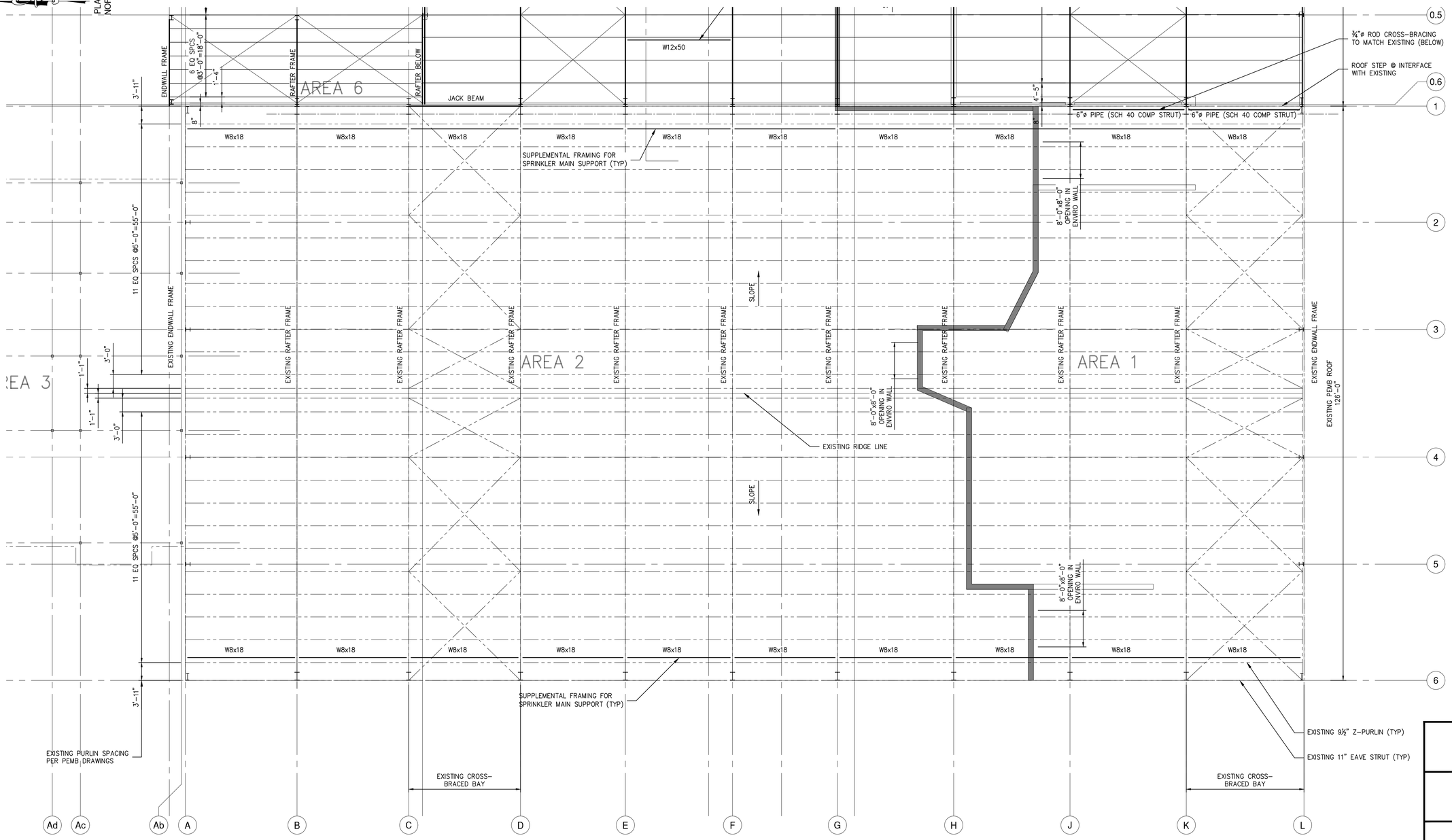
CHECKED	NE	
DESIGNED	MF	5/6/21
APPROVED		
APPROVED		

PROJ. No: 499-010
SCALE: AS NOTED
DWG. NO: S-211
REV: D
CAD FILE: 499-010 S-210.dwg
SHEET SIZE: D-24x36



PARTIAL ROOF FRAMING PLAN

SCALE: 1/16"=1'-0"

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7. EXISTING FRAMED ROOF OPENINGS ARE SHOWN ON ARCHITECTURAL DRAWINGS. COORDINATE NEW WORK WITH CONTRACT #3- MECHANICAL.

STATE OF NEW YORK · MARK A. FRANZ · 082717-1 · LICENSED PROFESSIONAL ENGINEER

10/12/21

N.Y. P.E. LICENSE No. 82717-1

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	BY	DATE
DRAWN	MF	5/6/21
CHECKED	NE	
DESIGNED	MF	5/6/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE: AS NOTED
DWG. NO: S-212 REV: D
CAD FILE: 499-010 S-210.dwg
SHEET SIZE: D-24x36

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PARTIAL ROOF FRAMING PLAN

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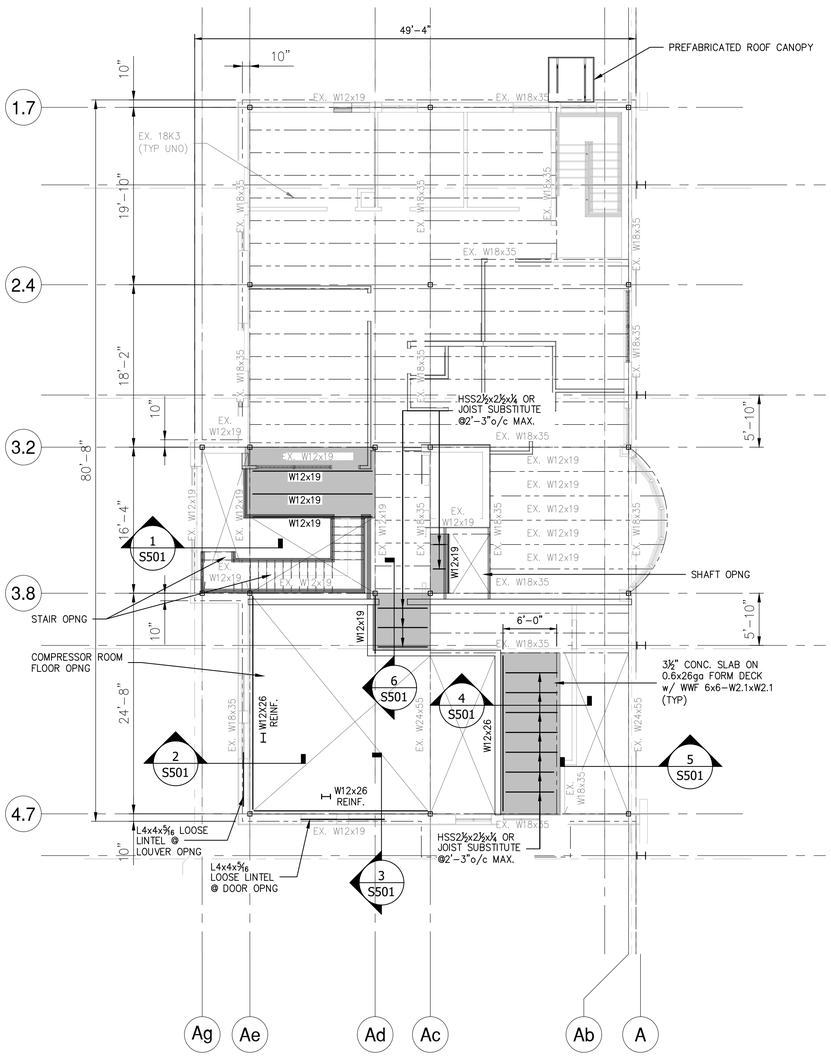

2nd FLOOR FRAMING PLAN

SCALE: 1/16"=1'-0"

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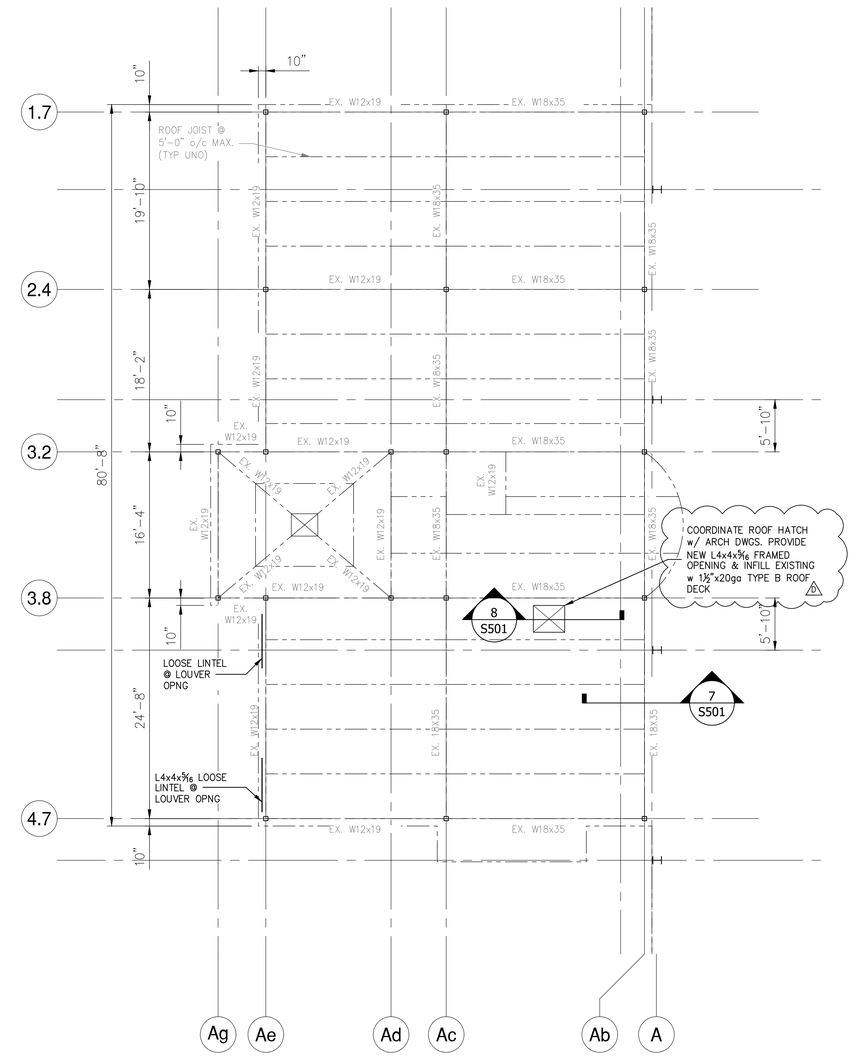

PARTIAL ROOF FRAMING PLAN

SCALE: 1/16"=1'-0"

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C	ISSUED FOR CONTRACT	8/27/21 MF NE
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A	ISSUED FOR RFP	7/6/21 MF NE

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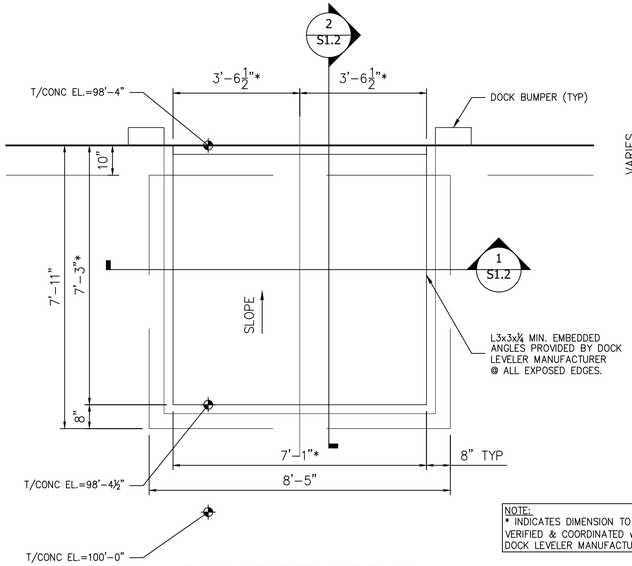
PARTIAL FLOOR & ROOF FRAMING PLANS

	BY	DATE
DRAWN	MF	5/6/21
CHECKED	NE	
DESIGNED	MF	5/6/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE: AS NOTED
DWG. NO: S-213 D
CAD FILE: 499-010 S-210.dwg
SHEET SIZE: D-24x36 REV

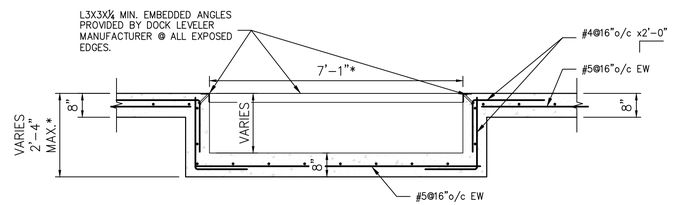


NOTE:
* INDICATES DIMENSION TO BE VERIFIED & COORDINATED w/ DOCK LEVELER MANUFACTURER.

DOCK LEVELER PIT PLAN

SCALE: ½"=1'-0"

NOTES:
1. COORDINATE ALL DIMENSIONS AND CURB ANGLE WITH SELECTED DOCK LEVELER EQUIPMENT AND MANUFACTURER REQUIREMENTS.



NOTE:
* INDICATES DIMENSION TO BE VERIFIED & COORDINATED w/ DOCK LEVELER MANUFACTURER.

SECTION 1 / S301
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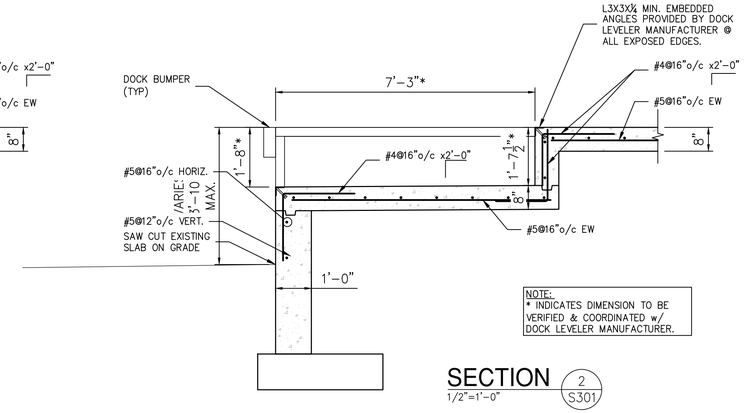

NOTE:
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SECTION 2 / S301
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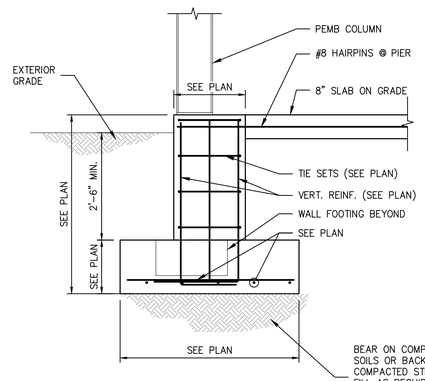

TYPICAL FOOTING DETAIL

SECTION 3 / S301
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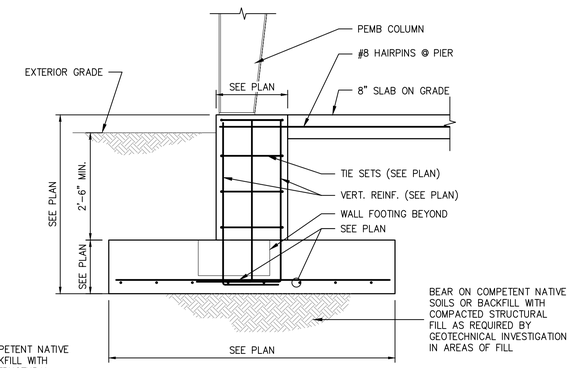

TYPICAL FOOTING DETAIL

SECTION 4 / S301
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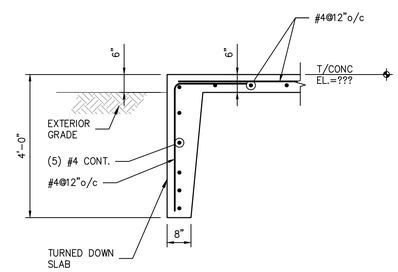

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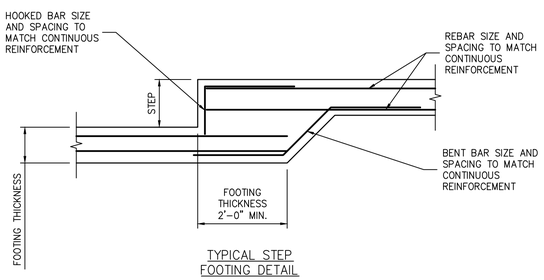

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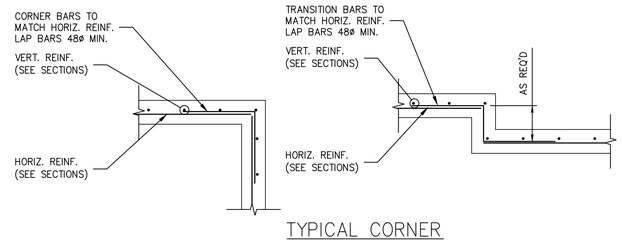

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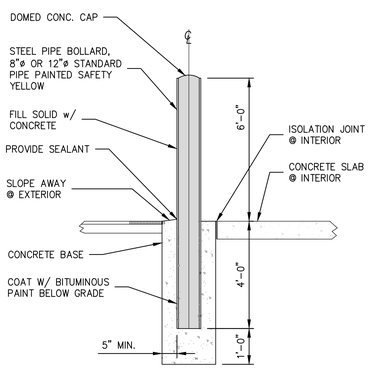
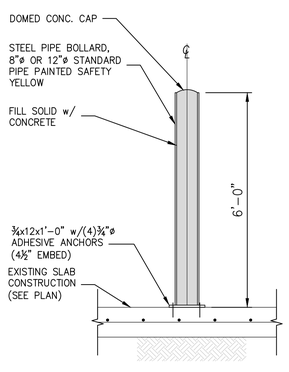
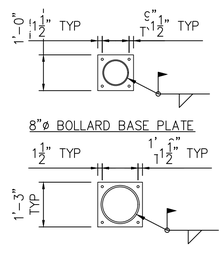
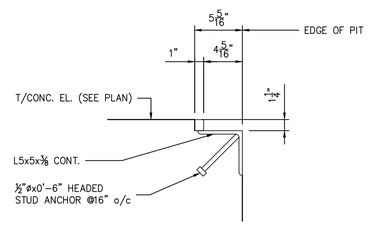


TYPICAL BOLLARD DETAIL (NEW CONSTRUCTION & EXTERIOR)



TYPICAL BOLLARD DETAIL (EXISTING INTERIOR CONSTRUCTION)





PIT EDGE DETAIL

STATE OF NEW YORK · MARK A. FRANZ · 082717 · LICENSED PROFESSIONAL ENGINEER · 10/27/21

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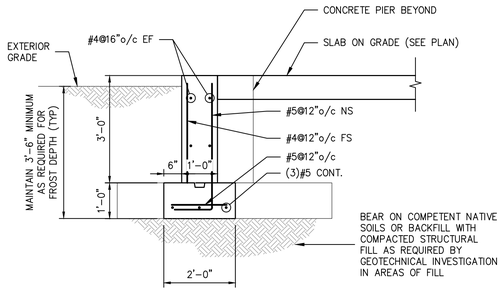
ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

FOUNDATION SECTIONS & DETAILS

	BY	DATE		
DRAWN	MF	5/6/21	PROJ. No: 499-010	SCALE: AS NOTED
CHECKED	NE		DWG. NO: S-301	D
DESIGNED	MF	5/6/21	CAD FILE: 499-010 S-300.dwg	
APPROVED			SHEET SIZE: D-24x36	REV
APPROVED				



SECTION 1 / S302
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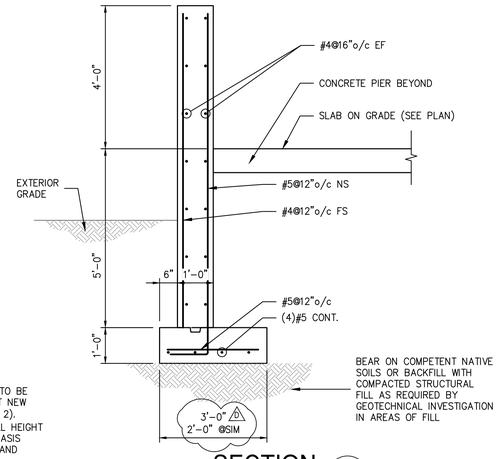
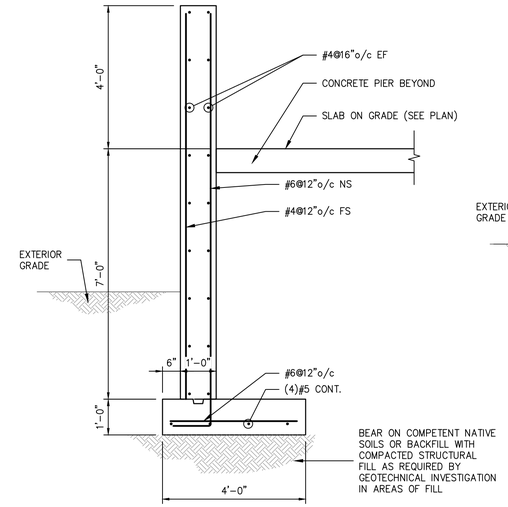


SECTION 2 / S302
1/2"=1'-0"



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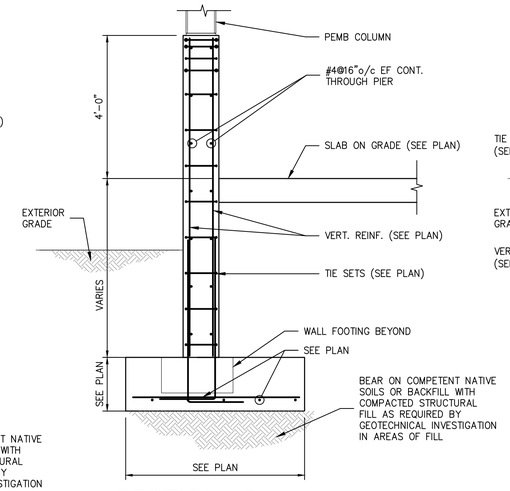

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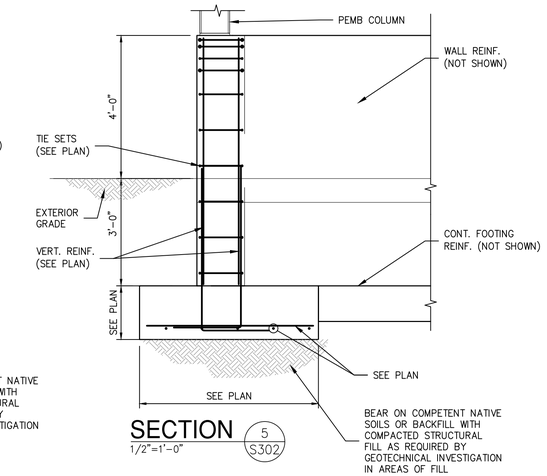
1/2"=1'-0"



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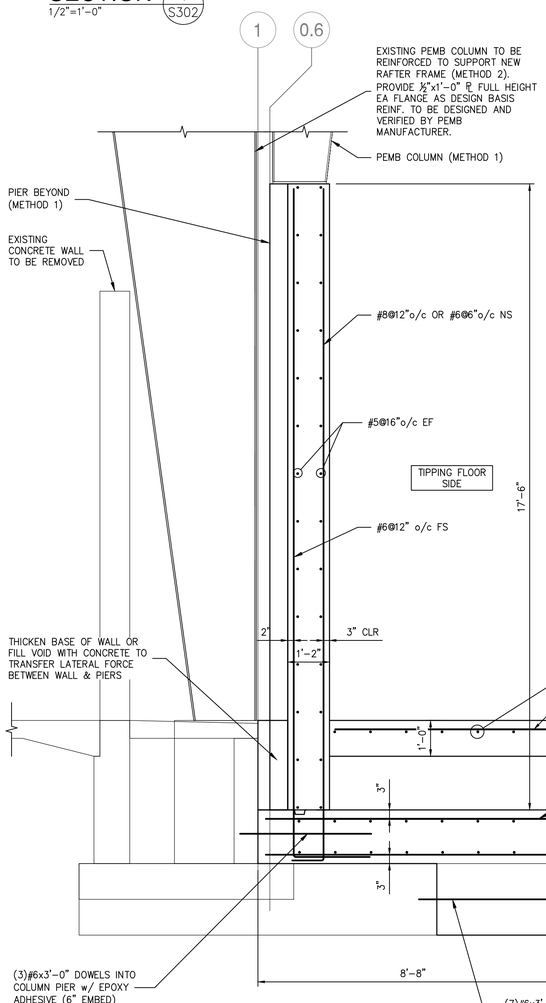
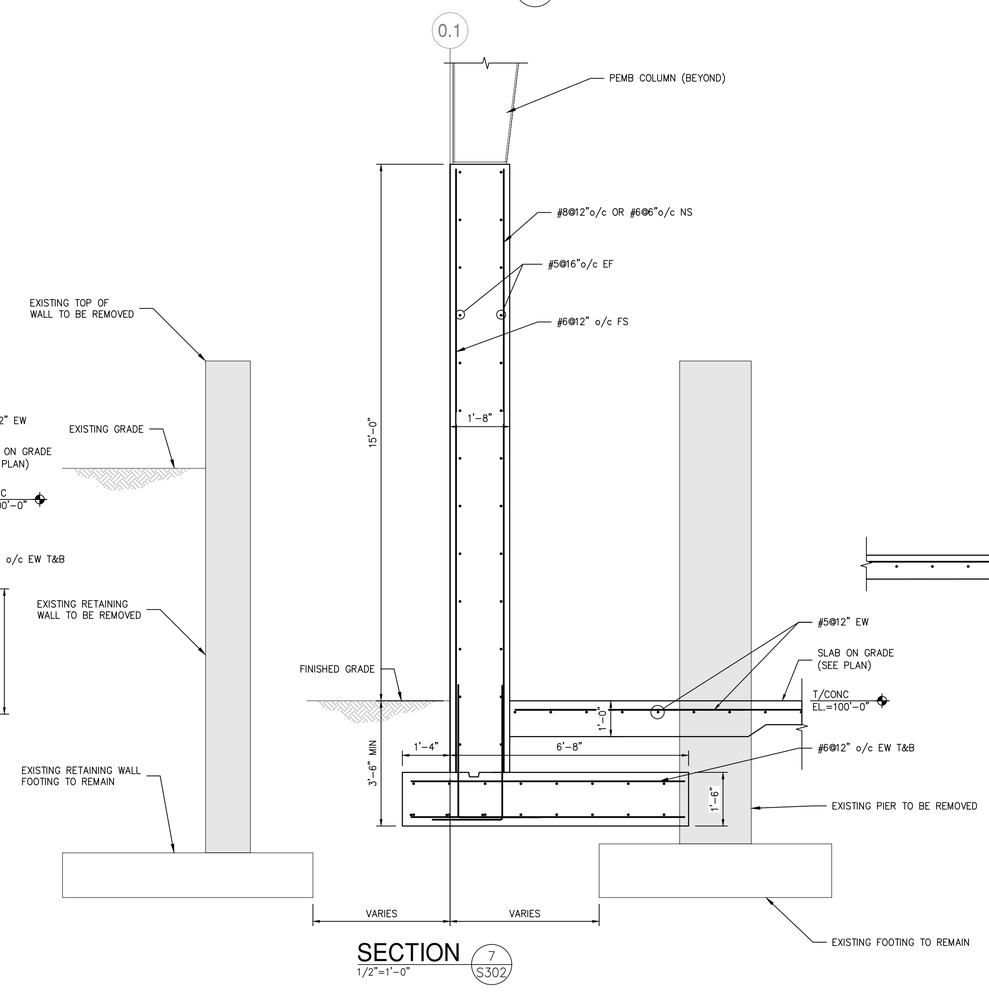
1/2"=1'-0"

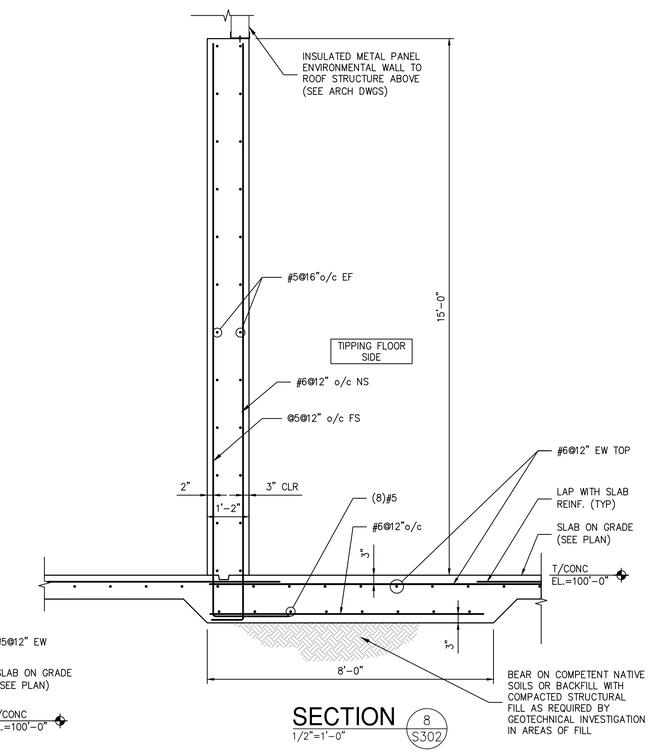


SECTION 6 / S302
1/2"=1'-0"

NOTE:
EXPOSE ALL SIDES OF EXISTING COLUMN FOOTING EAST OF COLUMN GRID 1 TO VERIFY EXISTING CONDITION. DETERMINE EXISTING EXPOSURE FROM COLUMN LINE 1, WIDTH AND DEPTH.
6



SECTION 7 / S302
1/2"=1'-0"



SECTION 8 / S302
1/2"=1'-0"

STATE OF NEW YORK · MARK A. FRANZ · 082717 · LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 82717-1

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RRT Engineering , LLC
1 Huntington Quadrangle, 3S01 ph: 631-756-1060
Melville, N.Y. 11747 fax: 631-756-1064

REV	DESCRIPTION	DATE	BY	CHK
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A	ISSUED FOR RFP	7/6/21	MF	NE

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
ENGINEERING CONSULTANTS
185 N. Pennsylvania Ave, Wilkes-Barre, PA 18701
t.570.826.1000 | f.570.825.0888 | w. www.mrapc.com

ANDERSON DESIGN GROUP
ARCHITECTURE PLANNING INTERIORS
25 RAILKILL AVE ● MONTGOMERY ● NY 12549
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CONTACT@ADGARCHITECT.COM

RRT Engineering , LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

Rockland Green

ROCKLAND GREEN
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SHEET SIZE: D-24x36
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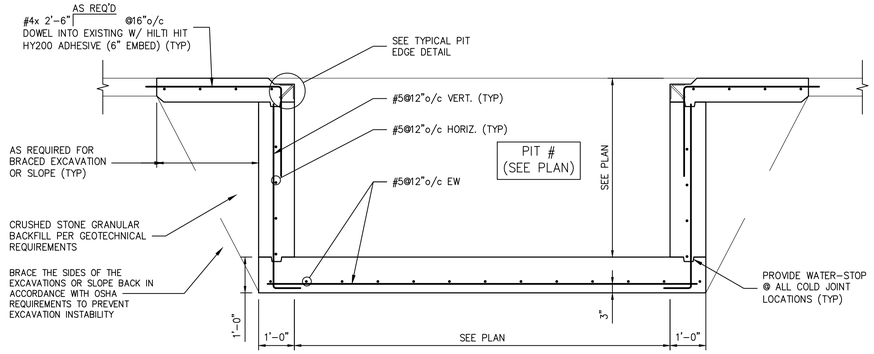
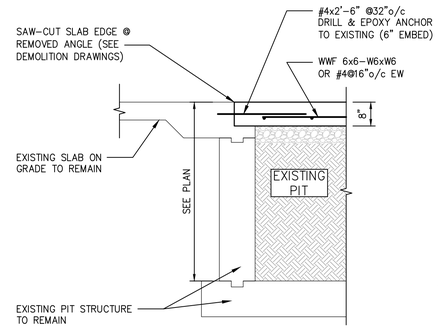


SECTION 1 / S303
1/2"=1'-0"



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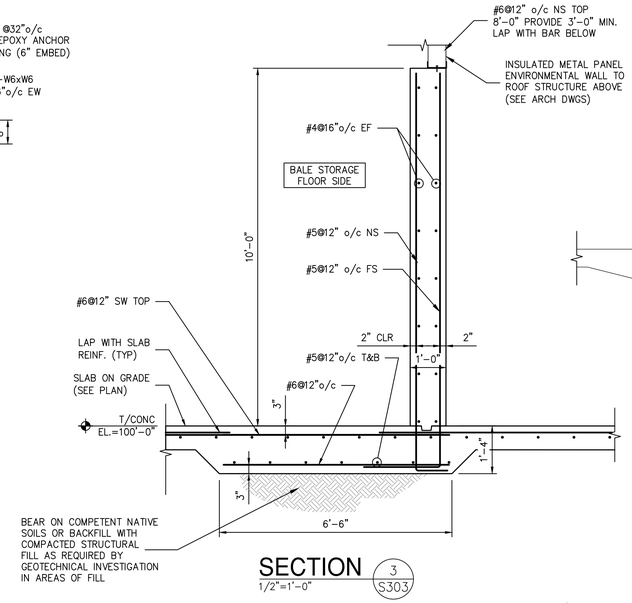
1/2"=1'-0"



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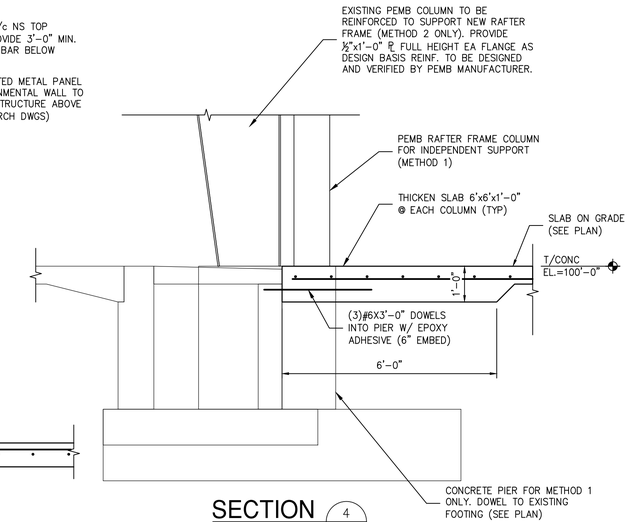
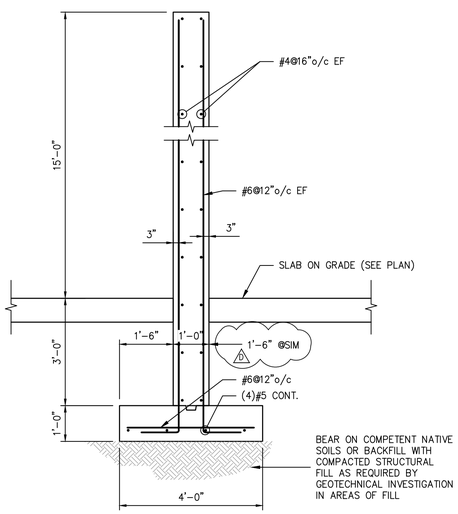
1/2"=1'-0"

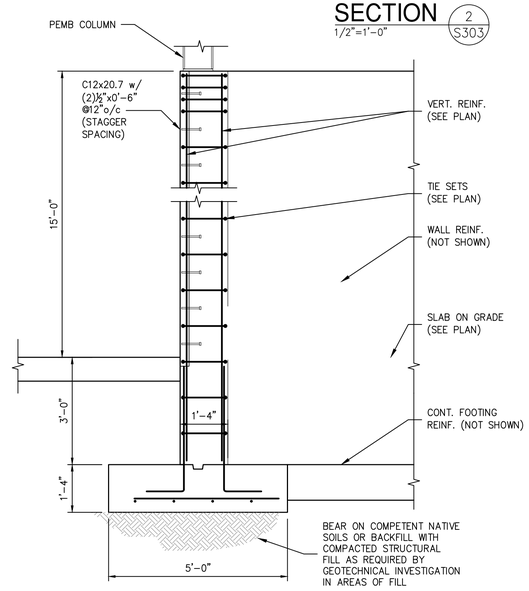


SECTION 4 / S303
1/2"=1'-0"

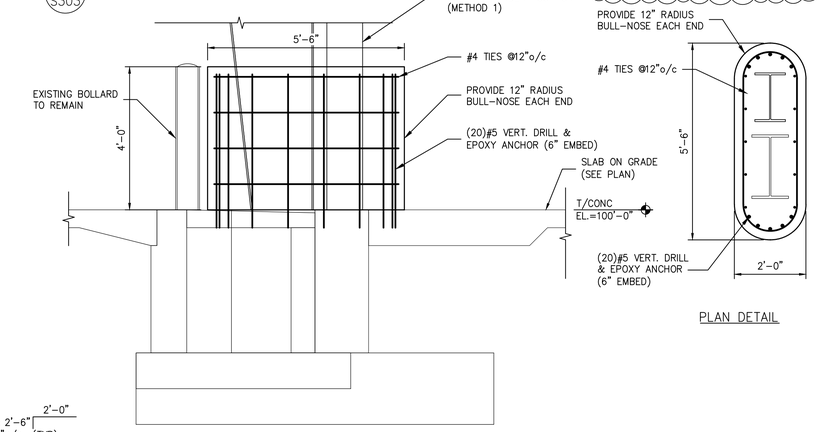
NOTE:
EXPOSE ALL SIDES OF EXISTING COLUMN FOOTING EAST OF COLUMN GRID 1 TO VERIFY EXISTING CONDITION. DETERMINE EXISTING EXPOSURE FROM COLUMN LINE 1, WIDTH AND DEPTH.



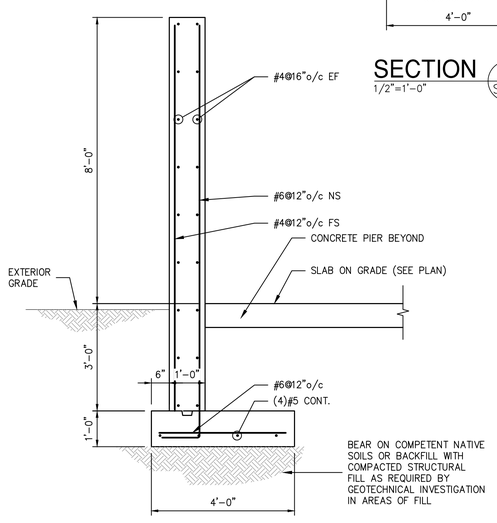
SECTION 5 / S303
1/2"=1'-0"



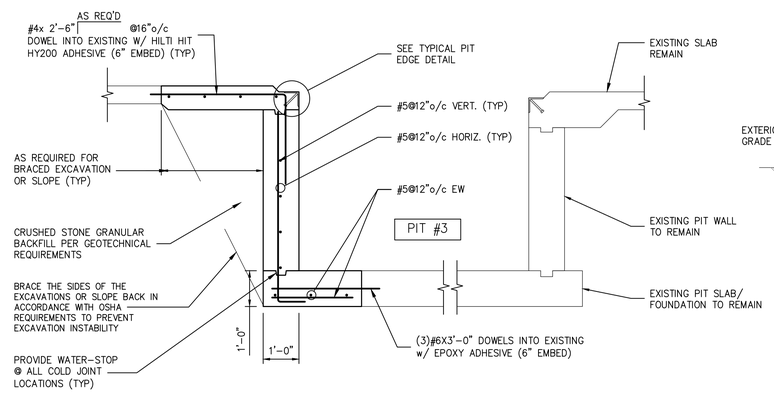
SECTION 6 / S303
1/2"=1'-0"



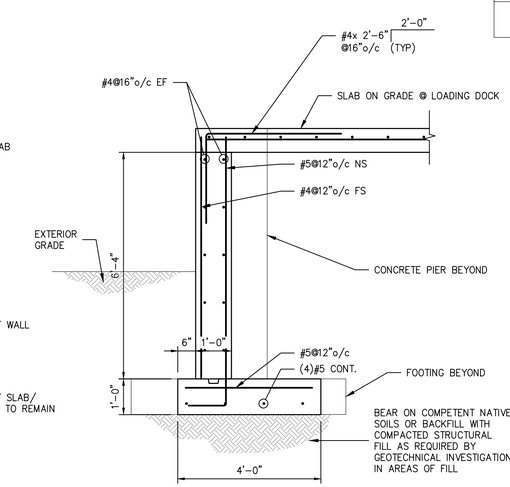
SECTION 10 / S303
1/2"=1'-0"



SECTION 7 / S303
1/2"=1'-0"



SECTION 8 / S303
1/2"=1'-0"



SECTION 9 / S303
1/2"=1'-0"

STERLING
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martinrogers
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10/13/21
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C	ISSUED FOR CONTRACT	8/27/21	MF	NE
B	REVISED FOR RFP ADDENDUM 6	7/23/21	MF	NE
A	ISSUED FOR RFP	7/6/21	MF	NE

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Melville, N.Y. 11747
ph: 631-756-1060
fax: 631-756-1064

RRT Engineering , LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

Rockland Green
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DESIGNED	MF	5/6/21
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CAD FILE: 499-010 S-300.dwg
SHEET SIZE: D-24x36
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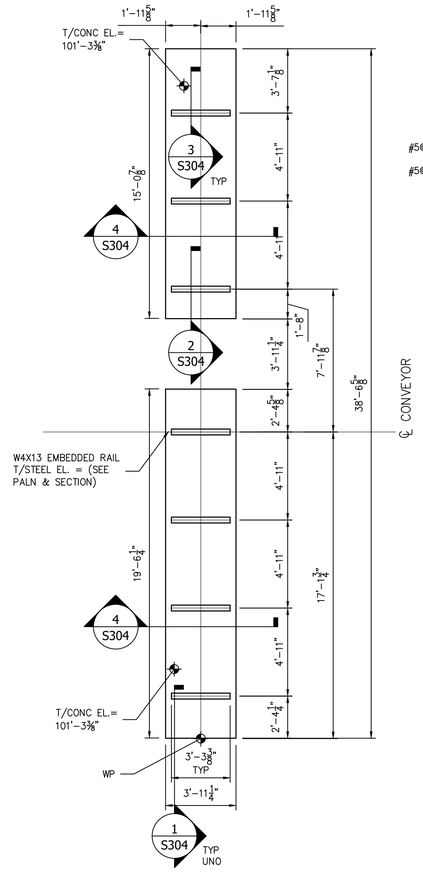
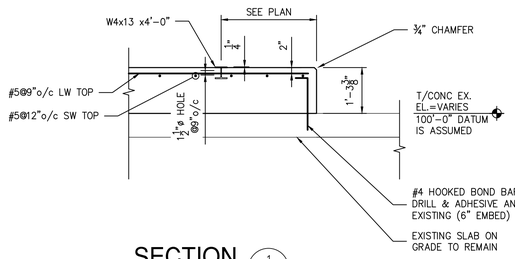
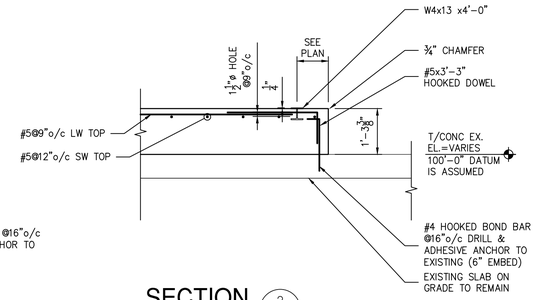




SECTION 1 S304
1/2"=1'-0"



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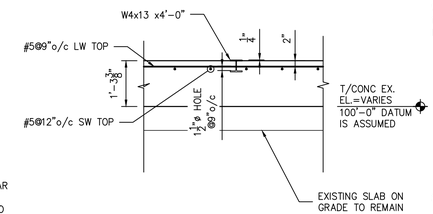

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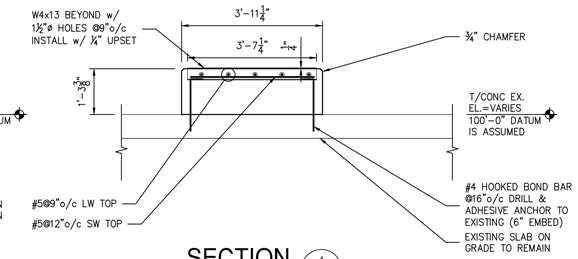

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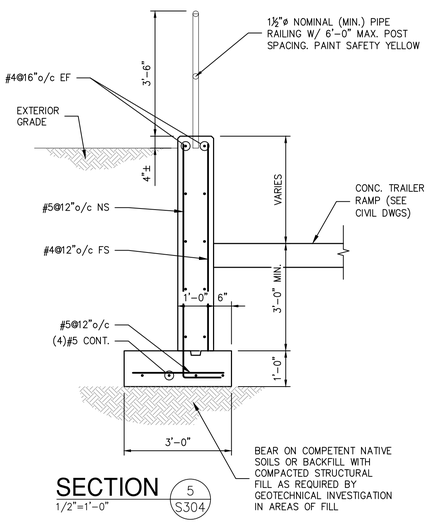

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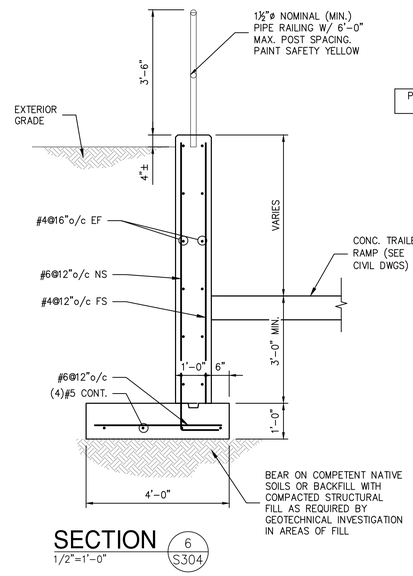

SECTION 6 S304
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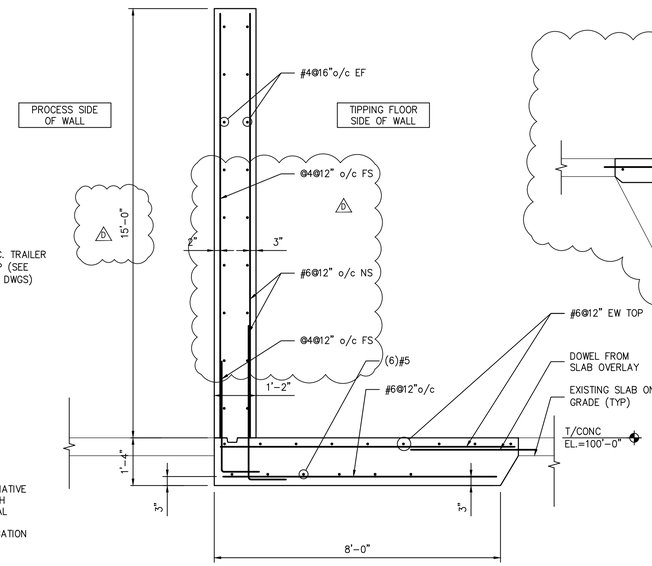

SECTION 7 S304
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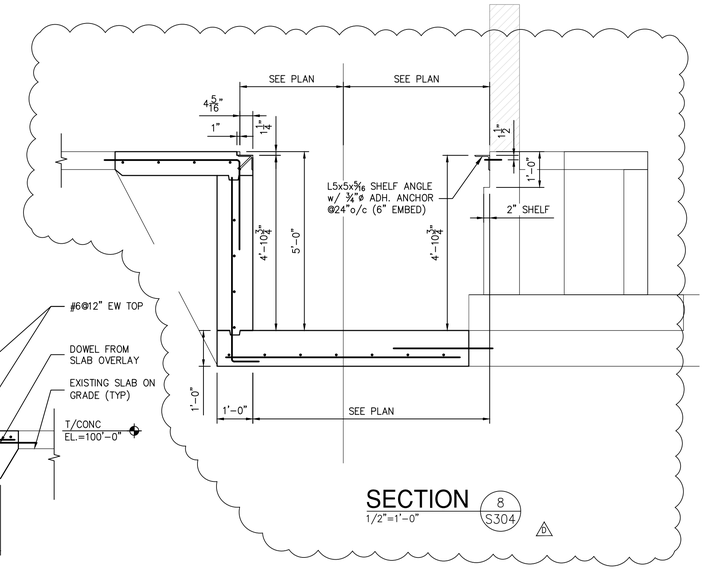
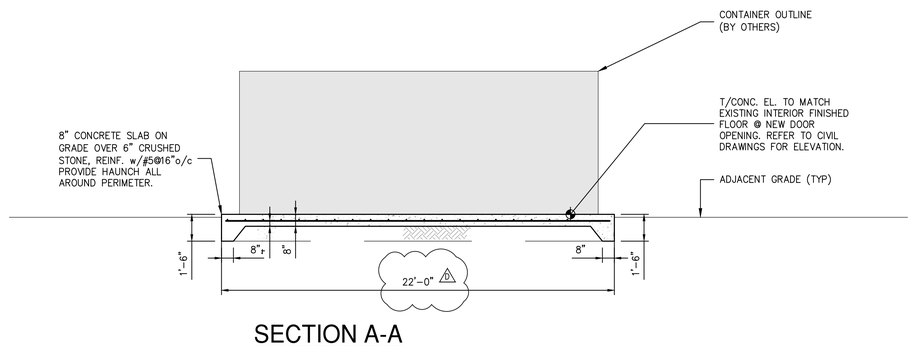


SECTION 8 S304
1/2"=1'-0"

HBC120S PARTIAL FOUNDATION PLAN

SCALE: ¼"=1'-0"

NOTES:
1. TOP OF SLAB ELEVATION EQUALS DATUM ELEVATION (100'-0") UNLESS OTHERWISE NOTED.
2. EXISTING BUILDING STRUCTURE SHOWN IS BASED LIMITED INFORMATION AS VERIFIED BY RRT DESIGN & CONSTRUCTION.
3. FIELD VERIFY EXISTING STRUCTURES BEFORE PROCEEDING WITH FABRICATION OR DEMOLITION. NOTIFY ENGINEER IMMEDIATELY OF ANY OBSERVED DISCREPANCIES.
4. LOCATE UTILITIES PRIOR TO CUTTING CONCRETE OR EXCAVATING.
5. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ADJACENT FOUNDATIONS, GRADE-SUPPORTED SLAB OR PAVEMENTS DURING EXCAVATION.



SECTION A-A

SCALE: ¼"=1'-0"

NOTES:
1. COORDINATE CONCRETE PAD REQUIREMENTS.

STATE OF NEW YORK · MARK A. FRANZ · 082717-1 · LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 82717-1

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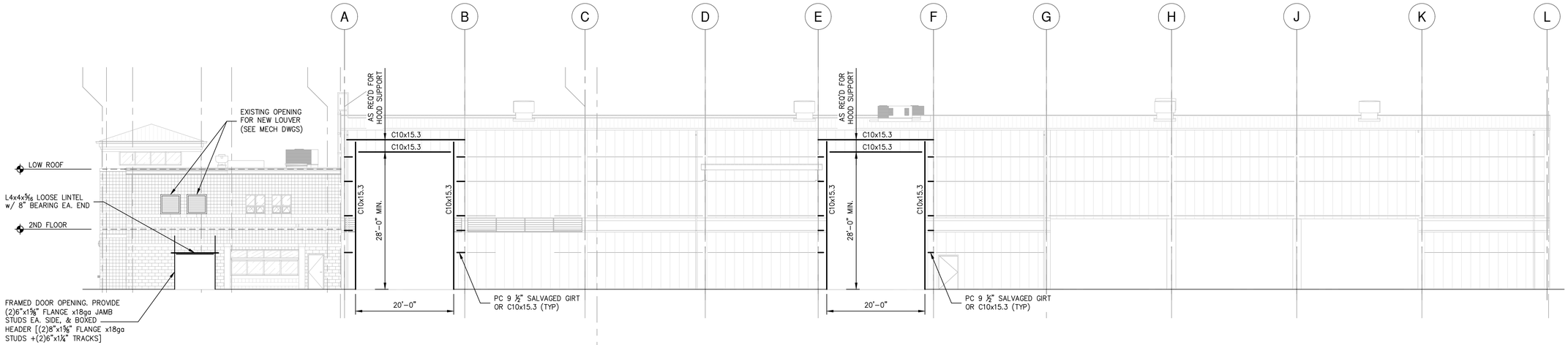
APPROVED		

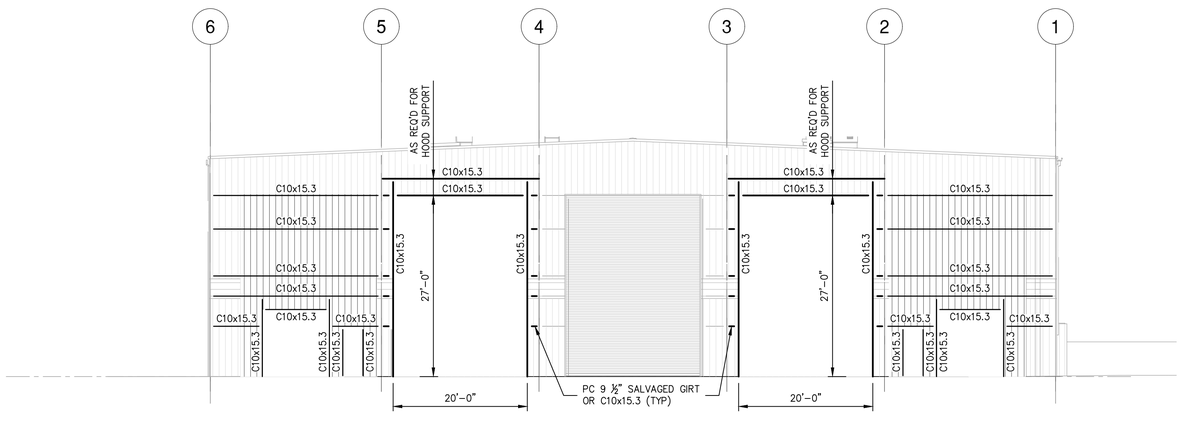
PROJ. No: 499-010 SCALE: AS NOTED
DWG. NO: S-304 REV: D
CAD FILE: 499-010 S-300.dwg
SHEET SIZE: D-24x36



FRAMING ELEVATION ALONG COL. LINE 6

SCALE: 3/32"=1'-0"

NOTES:
1. EXISTING BUILDING STRUCTURE SHOWN IS BASED LIMITED INFORMATION AS VERIFIED BY RRT DESIGN & CONSTRUCTION.
2. EXISTING INFORMATION SHOWN IS TAKEN FROM DRAWINGS PROVIDED FOR "FACILITY AND SYSTEM EXPANSION, MATERIAL RECOVERY FACILITY, ROCKLAND COUNTY, NEW YORK", BY MAGUIRE GROUP, ARCHITECTS/ENGINEERS/PLANNERS P.C. LTD. DATED JUNE 13, 1997.
3. FIELD VERIFY EXISTING STRUCTURES BEFORE PROCEEDING WITH FABRICATION OR DEMOLITION. NOTIFY ENGINEER IMMEDIATELY OF ANY OBSERVED DISCREPANCIES.
4. LOCATE UTILITIES PRIOR TO PROCEEDING WITH DEMOLITION. EXISTING ELECTRICAL SERVICE, ELECTRICAL OUTLETS, COMMUNICATION WIRING, FIRE ALARMS AND FIRE COMMUNICATION TO BE REMOVED AND RELOCATED AS REQUIRED BEFORE ERECTION & DEMOLITION.
5. CARE SHALL BE TAKEN WORKING AROUND EXISTING UTILITIES TO REMAIN INCLUDING BUT NOT LIMITED TO FIRE SPRINKLER (COORDINATE WITH REPLACEMENT BY OTHERS).
6. FIELD VERIFY EXISTING FRAMING AT PROPOSED OPENING LOCATIONS. NOTIFY ENGINEER OF ANY REVISED DIMENSIONS AS REQUIRED. COORDINATE ALL FRAMED OPENING DIMENSIONS WITH APPROVED SUBMITTAL REQUIREMENTS.
7. CUT WALL OPENINGS AND FRAME ACCORDINGLY. COORDINATE OPENINGS WITH SUBCONTRACTOR INSTALLING DOORS, LOUVERS OR FANS. PROVIDE METAL WALL PANEL TO MATCH. PROVIDE TRIM AND SEAL AS REQUIRED TO PROVIDE FINISHED APPEARANCE.



FRAMING ELEVATION ALONG COL. LINE L

SCALE: 3/32"=1'-0"

NOTES:
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4. LOCATE UTILITIES PRIOR TO PROCEEDING WITH DEMOLITION. EXISTING ELECTRICAL SERVICE, ELECTRICAL OUTLETS, COMMUNICATION WIRING, FIRE ALARMS AND FIRE COMMUNICATION TO BE REMOVED AND RELOCATED AS REQUIRED BEFORE ERECTION & DEMOLITION.
5. CARE SHALL BE TAKEN WORKING AROUND EXISTING UTILITIES TO REMAIN INCLUDING BUT NOT LIMITED TO FIRE SPRINKLER (COORDINATE WITH REPLACEMENT BY OTHERS).
6. FIELD VERIFY EXISTING FRAMING AT PROPOSED OPENING LOCATIONS. NOTIFY ENGINEER OF ANY REVISED DIMENSIONS AS REQUIRED. COORDINATE ALL FRAMED OPENING DIMENSIONS WITH APPROVED SUBMITTAL REQUIREMENTS.
7. CUT WALL OPENINGS AND FRAME ACCORDINGLY. COORDINATE OPENINGS WITH SUBCONTRACTOR INSTALLING DOORS, LOUVERS OR FANS. PROVIDE METAL WALL PANEL TO MATCH. PROVIDE TRIM AND SEAL AS REQUIRED TO PROVIDE FINISHED APPEARANCE.
8. DOOR HEIGHT SHOWN IS MINIMUM HEIGHT REQUIRED. PROVIDE MAXIMUM HEIGHT POSSIBLE BY RAISING DOOR COIL AND SUPPORTING STRUCTURE. PROVIDE ALL FLASHING, CLOSURE PLATE, ETC. AT EXTERIOR DOOR TRACK AND DRUM TO MAKE WEATHER-TIGHT.

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25 WALLACE AVE ● MONTGOMERY ● NY 12549
O. 845. 294.2924
WWW.ADGARCHITECT.COM
CONTACT@ADGARCHITECT.COM

REV	DESCRIPTION	DATE	BY	CHK
D	ISSUED FOR CONSTRUCTION	10/27/21	MF	NE
C	ISSUED FOR CONTRACT	8/27/21	MF	NE
B	REVISED FOR RFP ADDENDUM 6	7/23/21	MF	NE

STATE OF NEW YORK · MARK A. FRANZ · 082717 · LICENSED PROFESSIONAL ENGINEER · 10/8/19

N.Y. P.E. LICENSE No. _____

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1 Huntington Quadrangle, 3S01 ph: 631-756-1060
Melville, N.Y. 11747 fax: 631-756-1064

RRT Engineering , LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

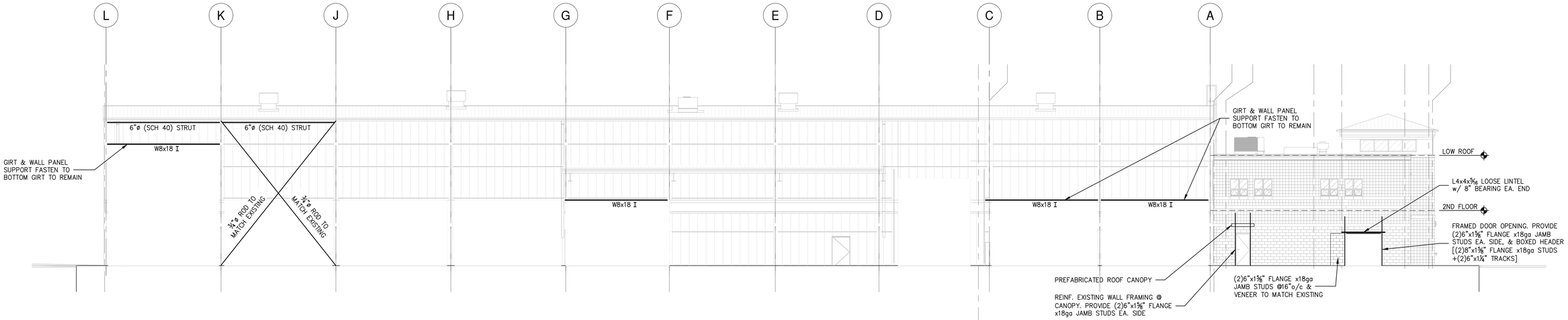
Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

FRAMING ELEVATIONS

	BY	DATE
DRAWN	MF	5/6/21
CHECKED	NE	
DESIGNED	MF	5/6/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE: AS NOTED
DWG. NO: S-401 REV D
CAD FILE: 499-010 S-400
SHEET SIZE: D-24x36



FRAMING ELEVATION (INTERIOR) ALONG COL. LINE 1

SCALE: 3/32"=1'-0"

NOTES:
1. EXISTING BUILDING STRUCTURE SHOWN IS BASED LIMITED INFORMATION AS VERIFIED BY RRT DESIGN & CONSTRUCTION.
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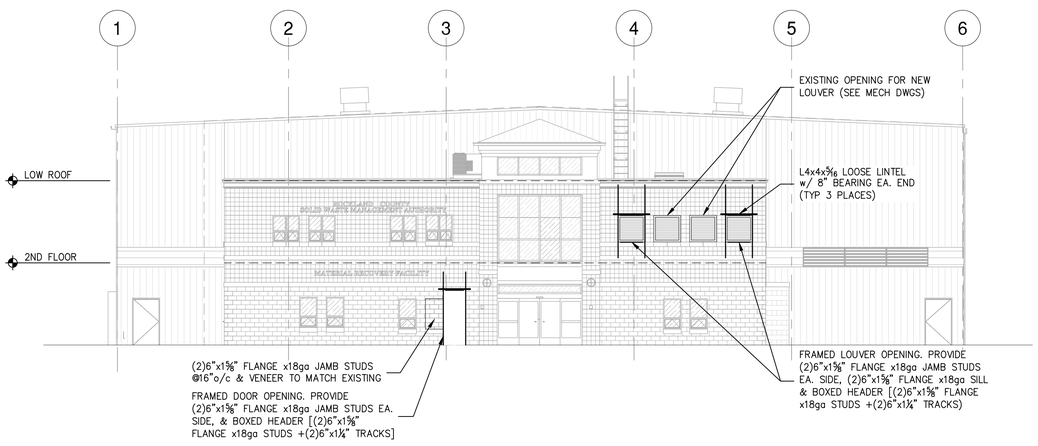

FRAMING ELEVATION ALONG COL. LINE A

SCALE: 3/32"=1'-0"

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RRT Engineering , LLC
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NY COA # 0017967

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ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

FRAMING ELEVATIONS

STATE OF NEW YORK · MARK A. FRANZ · 082717 · LICENSED PROFESSIONAL ENGINEER
10-12-21

N.Y. P.E. LICENSE No. _____

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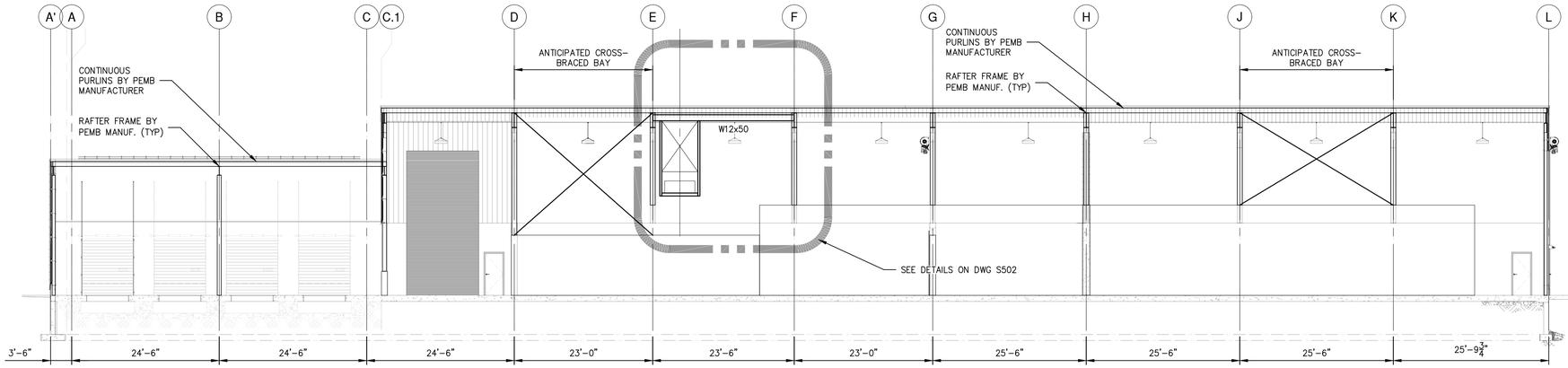
1 Huntington Quadrangle, 3S01 Melville, N.Y. 11747
ph: 631-756-1060 fax: 631-756-1064

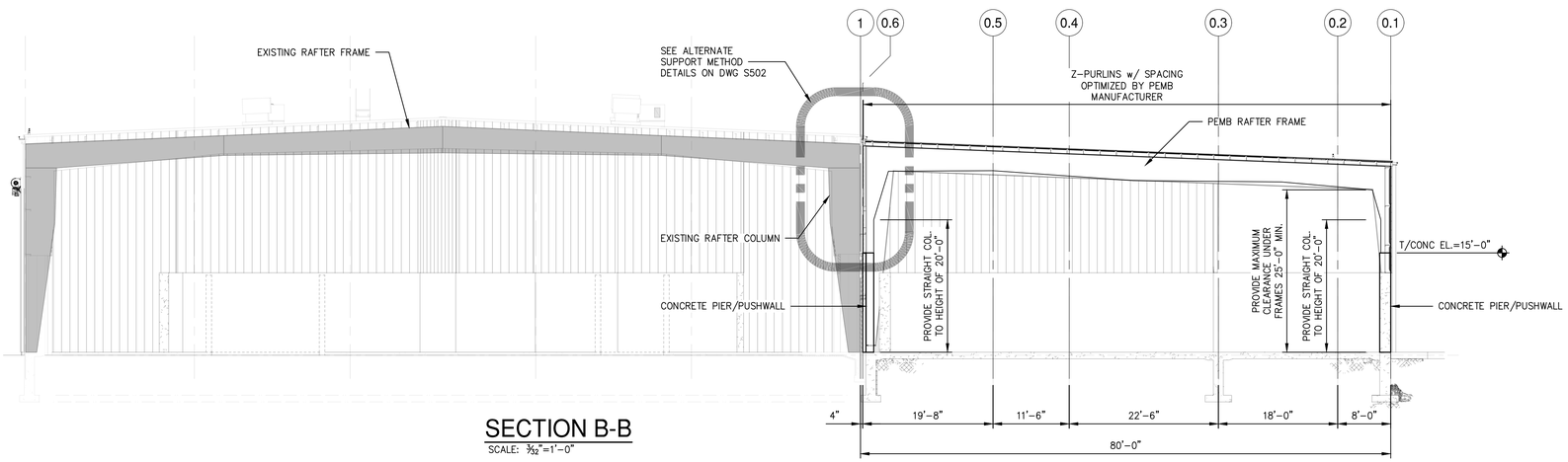
	BY	DATE
DRAWN	MF	5/6/21
CHECKED	NE	
DESIGNED	MF	5/6/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE: AS NOTED
DWG. NO: S-402 REV: D
CAD FILE: 499-010 S-400
SHEET SIZE: D-24x36



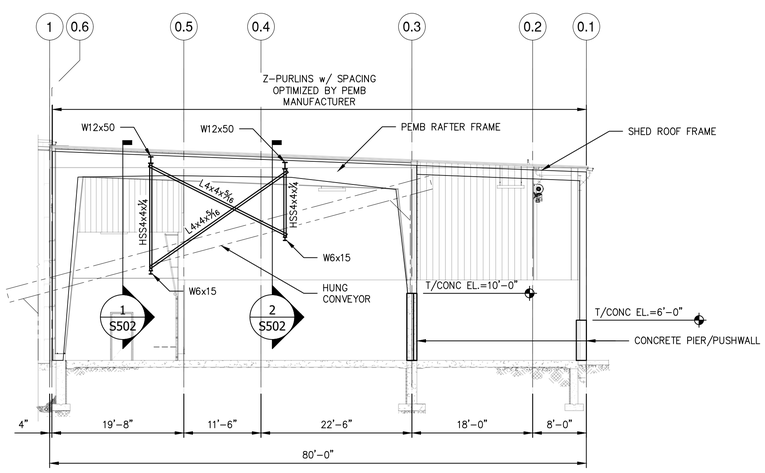
SECTION A-A

SCALE: 3/32"=1'-0"



SECTION B-B

SCALE: 3/32"=1'-0"



SECTION C-C

SCALE: 3/32"=1'-0"

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6. PEMB ROOF STRUCTURE SHALL BE CONSTRUCTED UTILIZING ONE OF THE FOLLOWING METHODS:
   - 6.1. METHOD 1 SHALL BE A STAND-ALONE STRUCTURE UTILIZING NEW COLUMNS AT GRID LINE 0.6. COLUMNS SHALL BEAR ON CONCRETE PIERS WITH T/CONC. AT FINISHED FLOOR ELEVATION OR T/CONC MATCHING TOP OF WALL ELEVATION (SEE FOUNDATION PLAN).
   - 6.2. METHOD 2 SHALL UTILIZE THE EXISTING BUILDING COLUMNS AT GRID LINE 1 FOR SUPPORT. COLUMNS SHALL BE ASSUMED TO BE REINFORCED PER SECTIONS & DETAILS FOR BIDDING PURPOSES. EVALUATION OF EXISTING STRUCTURE AND REINFORCEMENT REQUIREMENTS SHALL BE PROVIDED BY PEMB MANUFACTURER OR THIRD PARTY ENGINEER.

STATE OF NEW YORK · MARK A. FRANZ · 082177-1 · LICENSED PROFESSIONAL ENGINEER · 10/8/19

N.Y. P.E. LICENSE No. _____

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NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

OVERALL FRAMING SECTIONS

	BY	DATE
DRAWN	MF	5/6/21
CHECKED	NE	
DESIGNED	MF	5/6/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE: AS NOTED

DWG. NO: S-403 D

CAD FILE: 499-010 S-400

SHEET SIZE: D-24x36 REV

ROCKLAND GREEN MRF FACILITY IMPROVEMENTS
CONTRACT NO. 3 - MECHANICAL
420 TORNE VALLEY ROAD HILLBURN NY 10931

Rockland Green — Reduce Recycle Recover

OWNER:

RRT Engineering, LLC
1 Huntington Quadrangle, 3S01 ph: 631-756-1060
Melville, N.Y. 11747 fax: 631-756-1064

OWNER ENGINEER:

ANDERSON DESIGN GROUP
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ARCHITECT:

martinrogers ENGINEERING CONSULTANTS
185 N Pennsylvania Ave. wilkes-Barre, PA 18701
t.570826.1000 | f.570.825.0888 | www.mrapc.com.

MECHANICAL, ELECTRICAL AND PLUMBING ENGINEER:

STERLING
Sterling Environmental Engineering, P.C.

CIVIL ENGINEER:

LEGEND:

Symbol	Description	Symbol	Description
	EXISTING CONSTRUCTION TO REMAIN	Room name 101 150 SF	ROOM DESIGNATION TAG
	EXISTING CONSTRUCTION TO BE REMOVED	1	WALL TYPE TAG
	NEW WALL	A	WINDOW TAG
		PR-1	FINISH TAG
	EXISTING DOOR TO REMAIN	88.888.88	KEY NOTE
	NEW DOOR	A101 Ref	ELEVATION TAG
	EXISTING DOOR TO BE REMOVED		
01	DOOR TAG	1 A101 SIM	WALL/BUILDING SECTION CUT
1 A101 SIM	DETAIL TAG		

SHEET LIST TABLE

SHT.	SHEET TITLE	DRAWING DATE	100% CONSTRUCTION DOCUMENT	REVISION HISTORY 02/05/21	MM/DD/21	MM/DD/21	CURRENT REVISION Rev. #	DATE	DESCRIPTION	ISSUED (Y/N)
MECHANICAL										
M-000	TITLE SHEET_MECHANICAL	10/27/21	100%				C	10-27-21	ISSUED FOR CONSTRUCTION	No
M-001	LEGEND, NOTES AND DRAWING SCHEDULE	10/27/21	100%							No
M-002	ENERGY COMPIANCE FORMS	10/27/21	100%							No
M-101	PARTIAL FLOOR PLANS – MECHANICAL DEMOLITION	10/27/21	100%							No
M-102	PARTIAL FLOOR PLANS – MECHANICAL DEMOLITION	10/27/21	100%							No
M-103	PARTIAL FIRST FLOOR PLAN – MECHANICAL DEMOLITION	10/27/21	100%							No
M-201	PARTIAL FLOOR PLANS – MECHANICAL	10/27/21	100%							No
M-202	PARTIAL FIRST FLOOR PLAN – MECHANICAL	10/27/21	100%							No
M-203	ROOF PLAN - MECHANICAL	10/27/21	100%							No
M-301	DETAILS	10/27/21	100%							No
M-401	SCHEDULES	10/27/21	100%							No
M-402	SCHEDULES AND DETAILS	10/27/21	100%							No

C
C

ABBREVIATIONS:

AB.	ANCHOR BOLT	MAT.	MATERIAL
A.C.T.	ACOUSTICAL CEILING TILE	MAX.	MAXIMUM
A.F.F.	ABOVE FINISH FLOOR	MECH.	MECHANICAL
APPX.	APPROXIMATE	MIN.	MINIMUM
ARCH.	ARCHITECT	MIR.	MIRROR
BSMT.	BASEMENT	MISC.	MISCELLANEOUS
BM	BEAM	MTL	METAL
BD	BOARD	NOM.	NOMINAL
BOT.	BOTTOM	N.T.S	NOT TO SCALE
BLDG.	BUILDING	O.C.	ON CENTER
CAB.	CABINET	O.H.	OVERHEAD
CLG.	CEILING	PTD.	PAINTED
C.T.	CERAMIC TILE	P. LAM.	PLASTIC LAMINATE
CIR.	CIRCLE	PL.	PLATE
COL	COLUMN	P.S.F.	POUNDS PER SQ. FOOT
C.J.	CONTROL JOINT	P.S.I.	POUNDS PER SQ. INCH.
CORR.	CORRIDOR	PREFAB	PREFABRICATED
D.L.	DEAD LOAD	P.T.	PRESSURE TREATED (WOOD)
DTL.	DETAIL	RAD.	RADIUS
DIAM.	DIAMETER	RLG.	RAILING
DIM.	DIMENSION	REF.	REFRIGERATOR
D.W.	DISHWASHER	REINF.	REINFORCE(ED), (ING)
D.H.	DOUBLE HUNG	REV.	REVIS(ION), (E), (ED)
D.S.	DOWNSPOUT	R.	RISER
DWG.	DRAWING	RFG.	ROOFING
ELEC.	ELECTRICAL	RM.	ROOM
ELEV.	ELEVATION	SEC.	SECTION
EQ.	EQUAL	SHTHG.	SHEATHING
EXIST.	EXISTING	SHT.	SHEET
EXT.	EXTERIOR	SIM	SIMILAR
E.I.F.S	EXTERIOR INSULATED FINISH SYSTEM	S.C.	SOLID CORE
		SPEC.	SPECIFICATION
FIN.	FINISH	SQ.	SQUARE
F.P.	FIREPLACE	STD.	STANDARD
FLR	FLOOR	STO.	STORAGE
F.D.	FLOOR DRAIN	STRL.	STRUCTURAL
FTG.	FOOTING	THK	THICKNESS
FND.	FOUNDATION	THR.	THRESHOLD
FUR.	FURRED	T&G	TONGUE AND GROOVE
G.C.	GENERAL CONTRACTOR	T.O.C.	TOP OF CONCRETE
GL.	GLASS, GLAZING	T.O.B.	TOP OF BEAM
GYP.BD	GYPSUM BOARD	T.O.F.	TOP OF FOUNDATION
HDW.	HARDWARE	T.O.P.	TOP OF PLATE
HDR.	HEADER	TR	TREAD
HTG.	HEATING	TYP.	TYPICAL
HVAC	HEATING/VENTALATION/AIR CONDITIONING	UNF.	UNFINISHED
		U.O.N.	UNLESS OTHERWISE NOTED
HGT.	HEIGHT	V.B.	VAPOR BARRIER
HORZ.	HORIZONTAL	VERT.	VERTICAL
HB.	HOSE BIBB	V.I.F.	VERIFY
INS.	INSULAT(ED), (ION)	W.C.	WATER CLOSET
JT.	JOINT	W.P.	WATER PROOFING
JST.	JOIST	W.R.	WATER RESISTANT
KIT	KITCHEN	WWF.	WELDED WIRE FABRIC
LAV.	LAVATORY	WN.	WINDOW
LT.	LIGHT	W/O	WITHOUT
L.L.	LIVE LOAD	WD.	WOOD
MFR.	MANUFACTURE(R)		
MAS.	MASONRY		

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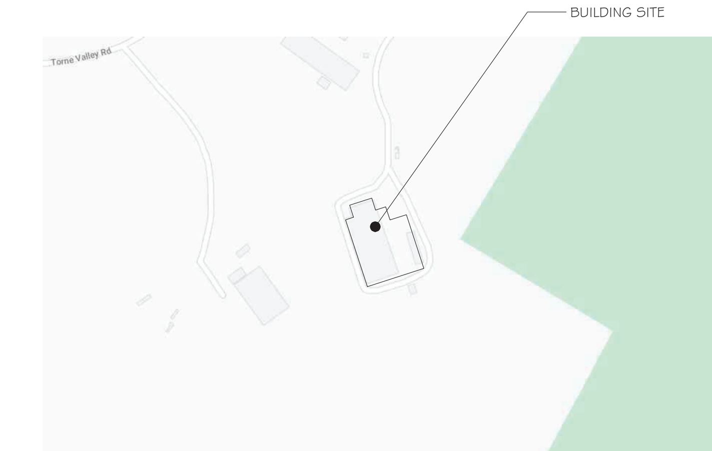
N
TRUE

BUILDING LOCATION AERIAL

N
TRUE

BUILDING LOCATION



ROCKLAND GREEN FACILITY IMPROVEMENTS PHASING NOTE

1. Rockland Green is soliciting proposals for the construction of improvements to its existing Materials Recovery Facility (MRF), as further detailed in the Drawings and Specifications. These Facility Improvements include, but are not limited to, a building addition, site work, interior demolition work, interior build-out work, electric service upgrades and reworked mechanical, plumbing, electrical, fire sprinkler and fire alarm systems to accommodate a new state-of-the-art dual stream recyclables processing system supplied and installed under Contract No. 1 - Processing Equipment.
2. The Facility Improvements are being procured through separate contracts as follows:
   - Contract No. 2 - Facility Improvements: General Construction
   - Contract No. 3 - Facility Improvements: Mechanical/HVAC
   - Contract No. 4 - Facility Improvements: Plumbing
   - Contract No. 5 - Facility Improvements: Electrical
   - Contract No. 6 - Facility Improvements: Fire Protection System
3. The building has been divided into the following area designations:
   - Area 1 - Existing Tipping Area.
   - Area 2 - Existing Processing Area.
   - Area 3 - Existing Administration Area.
   - Area 4 - New Commingled Tipping Area.
   - Area 5 - New Storage & Glass Processing Area
   - Area 6 - New Truck Loading Dock Area.
4. Work shall commence on the exterior and in the Areas 1 and 2 for its Substantial Completion to be achieved prior to the start of delivery and installation of the Dual Stream Recyclables Processing System, which is scheduled to occur early December 2021. It shall include all Work as defined in the Contract Drawings, Specifications, and RFP Appendices. It shall also include all rough- ins associated with Mechanical, Electrical, Plumbing, and Fire Protection Equipment. All final connections of Mechanical, Electrical, Plumbing and Fire Protection (including equipment fire sprinkler system) in Areas 1 and 2 shall be completed prior to the startup of processing equipment.
5. Work in Area 3 shall be sequenced to allow sufficient access and use of existing space for Contractors on- site as approved by the Engineer and the Contractors for Contract Nos. 2-6 shall achieve Substantial Completion prior to the required date for the Operator to mobilize on-site and have partial occupancy and use of Area 3. Additionally, any Work by Contract Nos. 1 and 3-6 related to all other Areas 1, 2, 4-6 and the site work/exterior shall progress and be completed to support and not delay the overall Project Schedule.
6. Contract Nos. 2-6 Work in Areas 4 - 6 shall be sequenced by each applicable Contractor to make most use and access of working space where the building erection is complete, so the work of Contract No. 1 can proceed efficiently. All work to be coordinated between the Contractors.

PROJECT NORTH

KEY PLAN — MATCH LINE A — AREA OF CONSTRUCTION

STERLING — Sterling Environmental Engineering, P.C.

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t.570.826.1000 f.570.825.0888 w. www.mrapc.com

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STATE OF NEW YORK — MICHAEL BRITTON MILLS — No. 083339 — LICENSED PROFESSIONAL ENGINEER

N.Y. PE LICENSE No. 083339

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REV	DESCRIPTION	DATE BY CHK
C	ISSUED FOR CONSTRUCTION	10-27-21
B	REVISED FOR RFP ADDENDUM 4	08-27-21
A	ISSUED FOR RFP	07-30-21

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TITLE SHEET_MECHANICAL

	BY	DATE		
DRAWN	IDEA	07/09/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED		07/09/21	DWG. NO: M-000	C
DESIGNED		07/09/21		
APPROVED		07/09/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

GENERAL

- POINT OF CONNECTION TO EXISTING
- POINT OF DISCONNECTION
- HC / 1 — EQUIPMENT IDENTIFICATION TAG
- 1 / M1 — DETAIL #/DRAWING NUMBER
- 3 — KEY DEMOLITION NOTE
- 3 — REVISION TAG

DUCT SYMBOLS

GENERAL

- 12x20 — DUCT, FIRST FIGURE IS PLAN DIMENSION
- ACOUSTICALLY LINED DUCT
- FLEXIBLE DUCT (INSULATED)
- 12x20(EX) — EXISTING DUCT
- 12x20 — DUCT TO BE REMOVED
- RECTANGULAR DUCT RISER, UP & DN, SUPPLY OR OUTDOOR AIR
- RECTANGULAR DUCT RISER, UP & DN, RETURN OR EXHAUST AIR
- RECTANGULAR DUCT ELBOW UP, SUPPLY OR OUTDOOR AIR
- RECTANGULAR DUCT ELBOW UP, RETURN OR EXHAUST AIR
- RECTANGULAR DUCT ELBOW DN, SUPPLY OR OUTDOOR AIR
- RECTANGULAR DUCT ELBOW DN, RETURN OR EXHAUST AIR
- RECTANGULAR DUCT TEE UP, SUPPLY OR OUTDOOR AIR
- RECTANGULAR DUCT TEE UP, RETURN OR EXHAUST AIR
- RECTANGULAR DUCT TEE DN, SUPPLY OR OUTDOOR AIR
- RECTANGULAR DUCT TEE DN, RETURN OR EXHAUST AIR
- R — INCLINED RISE, IN DIRECTION OF AIR FLOW
- D — INCLINED DROP, IN DIRECTION OF AIR FLOW
- ROUND DUCT RISER, UP & DN
- ROUND DUCT ELBOW UP
- ROUND DUCT ELBOW DN
- ROUND DUCT TEE UP
- ROUND DUCT TEE DN
- AD — AD - ACCESS DOOR; AP - ACCESS PANEL
- FLEXIBLE CONNECTION

DAMPERS

- VOLUME DAMPER
- M — MOTORIZED DAMPER
- BDD — BACKDRAFT DAMPER
- FD — FIRE DAMPER
- FSD — COMBINATION FIRE AND SMOKE DAMPER
- SD — SMOKE DAMPER

DUCT SYMBOLS

DIFFUSERS/GRILLES/REGISTERS

- (A)240 — DIFFUSER/GRILLE/REGISTER DESIGNATION AND FLOW RATE IN CFM
- (EX)240 — EXISTING DIFFUSER/GRILLE/REGISTER DESIGNATION AND FLOW RATE IN CFM
- CEILING SUPPLY DIFFUSER/GRILLE/REGISTER
- BLANKOFF INDICATING NO AIR THROW TO THIS SIDE
- EXISTING CEILING SUPPLY DIFFUSER/GRILLE/REGISTER
- WALL SUPPLY DIFFUSER/GRILLE/REGISTER
- LINEAR CEILING SUPPLY DIFFUSER/GRILLE/REGISTER WITH PLENUM
- LINEAR WALL SUPPLY DIFFUSER/GRILLE/REGISTER WITH PLENUM
- CEILING RETURN/EXHAUST GRILLE/REGISTER
- CEILING RETURN/EXHAUST GRILLE/REGISTER
- WALL RETURN/EXHAUST GRILLE/REGISTER
- LINEAR CEILING RETURN/EXHAUST GRILLE/REGISTER WITH PLENUM
- LINEAR WALL RETURN/EXHAUST GRILLE/REGISTER WITH PLENUM
- WALL TRANSFER GRILLE
- OUTDOOR AIR LOUVER
- EXHAUST AIR LOUVER

EQUIPMENT

- VAV TERMINAL BOX
- FILTER
- H — HUMIDIFIER

SENSORS

- T — ROOM THERMOSTAT
- T — TEMPERATURE SENSOR
- H — ROOM HUMIDISTAT
- P — ROOM PRESSURE SENSOR/TRANSMITTER
- CO2 — CARBON DIOXIDE SENSOR (ROOM & DUCT MOUNTED)
- AFS — AIRFLOW MEASURING STATION
- S — DUCT SMOKE DETECTOR
- H — HUMIDITY SENSOR

PIPING SYMBOLS

GENERAL

- ARROW INDICATING FLUID FLOW DIRECTION
- NAME(EX) — EXISTING PIPING
- NAME — PIPE TO BE REMOVED

HEATING

- HPS — HIGH-PRESSURE STEAM
- MPS — MEDIUM-PRESSURE STEAM
- LPS — LOW-PRESSURE STEAM
- HPC — HIGH-PRESSURE CONDENSATE
- MPC — MEDIUM-PRESSURE CONDENSATE
- LPC — LOW-PRESSURE CONDENSATE
- BBD — BOILER BLOWDOWN
- PC — PUMPED CONDENSATE
- VPD — VACUUM PUMP DISCHARGE
- MU — MAKEUP WATER
- ATV — ATMOSPHERIC VENT
- FOD — FUEL OIL DISCHARGE
- FOG — FUEL OIL GAGE
- FOS — FUEL OIL SUCTION
- FOR — FUEL OIL RETURN
- FOV — FUEL OIL TANK VENT
- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- A — COMPRESSED AIR
- VAC — VACUUM AIR

AIR CONDITIONING AND REFRIGERATION

- RS — REFRIGERANT SUCTION
- RL — REFRIGERANT LIQUID
- CS — CONDENSER WATER SUPPLY
- CR — CONDENSER WATER RETURN
- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- FILL — FILL
- H — HUMIDIFICATION LINE
- D — DRAIN
- CD — CONDENSATE DRAIN
- HPS — HEAT PUMP WATER SUPPLY
- HPR — HEAT PUMP WATER RETURN

FITTINGS

- PIPE RISER, UP & DN
- PIPE ELBOW UP
- PIPE TEE UP
- PIPE ELBOW DOWN
- PIPE TEE DOWN
- REDUCER, CONCENTRIC
- REDUCER, ECCENTRIC STRAIGHT INVERT
- REDUCER, ECCENTRIC STRAIGHT CROWN
- UNION
- FLANGE
- CAP

SPECIALTIES

- AV — AIR VENT, AUTOMATIC
- MV — AIR VENT, MANUAL
- ALIGNMENT GUIDE
- ANCHOR
- EJ-1 — EXPANSION JOINT
- EL-1 — EXPANSION LOOP
- FLEXIBLE CONNECTOR

PIPING SYMBOLS

SPECIALTIES (CONT)

- OFM-1 — FLOWMETER, ORIFICE
- VFM-1 — FLOWMETER, VENTURI
- UFM-1 — FLOWMETER, ULTRASONIC STRAP-ON
- FS — FLOW SWITCH
- TEST PLUG
- P — PRESSURE GAUGE, WITH COCK
- P — PRESSURE GAUGE, COMPOUND
- PS — PRESSURE SWITCH
- STEAM TRAP, FLOAT AND THERMOSTATIC
- STRAINER
- STRAINER, BLOW OFF
- THERMOMETER
- THERMOMETER WELL

VALVES FOR SELECTIVE ACTUATORS

- BALL
- BUTTERFLY
- GATE
- GATE, ANGLE
- GLOBE
- GLOBE, ANGLE
- PLUG
- THREE WAY

VALVE ACTUATORS

- LEVER
- NON-RISING STEM
- OUTSIDE STEM & YOKE
- G — GEAR
- S — ELECTRIC, SOLENOID
- M — PNEUMATIC, MOTOR

SPECIAL DUTY VALVES

- BALANCING VALVE
- CHECK
- HOSE END DRAIN VALVE
- NEEDLE
- PRESSURE REDUCING
- QUICK OPENING
- QUICK CLOSING, FUSIBLE LINK
- R / S — RELIEF (R) OR SAFETY (S)
- TRIPLE DUTY

TAGS

- HC / 1 — HEATING COIL
- RTU / 1 — ROOFTOP UNIT
- AH / 1 — AIR HANDLING UNIT
- FC / 1 — FAN COIL UNIT
- RCP / 1 — RADIANT CEILING PANEL
- ERU / 1 — ENERGY RECOVERY UNIT
- EF / 1 — EXHAUST FAN
- CU / 1 — CONDENSING UNIT
- CUH / 1 — CABINET UNIT HEATER
- P / 1 — PUMP
- ET / 1 — EXPANSION TANK

ABBREVIATIONS

A	COMPRESSED AIR	ID	INSIDE DIAMETER
ACU	AIR CONDITIONING UNIT	IN	INCH(ES)
AD	ACCESS DOOR		
ADP	APPARATUS DEW POINT	KW	KILOWATT
AFF	ABOVE FINISHED FLOOR		
AHU	AIR HANDLING UNIT	LAT	LEAVING AIR TEMPERATURE
AIR COND	AIR CONDITION(-ING, -ED)	LBS	POUNDS
ALT	ALTITUDE	LF	LINEAR FEET
AMB	AMBIENT	LG	LENGTH
AMP, AMPS	AMPERE(S)	LPC	LOW-PRESSURE CONDENSATE
APPROX	APPROXIMATE	LPS	LOW-PRESSURE STEAM
ATC	AUTOMATIC TEMPERATURE CONTROLS	LWT	LEAVING WATER TEMPERATURE
ATM	ATMOSPHERE		
ATV	ATMOSPHERIC VENT	MAX	MAXIMUM
AVG	AVERAGE	MBH	THOUSAND BTUH
		MC	MECHANICAL CONTRACTOR
BBD	BOILER BLOWDOWN	MIN	MINIMUM
BDD	BACKDRAFT DAMPER	MIN	MINUTE
BHP	BRAKE HORSEPOWER	MPC	MEDIUM-PRESSURE CONDENSATE
BTU	BRITISH THERMAL UNIT	MPS	MEDIUM-PRESSURE STEAM
BTUH	BRITISH THERMAL UNIT PER HOUR	MU	MAKEUP WATER
C	CONDENSER WATER SUPPLY	N/A	NOT APPLICABLE
CCW	COUNTERCLOCKWISE	NC	NOISE CRITERIA
CFM	CUBIC FEET PER MINUTE	N C	NORMALLY CLOSED
CLG	CEILING	N I C	NOT IN CONTRACT
CO	COMPRESSOR	NO	NUMBER
CO2	CARBON MONOXIDE	N O	NORMALLY OPEN
COND	CARBON DIOXIDE	NTS	NOT TO SCALE
CONT	CONDENS(-ER, -ING, -ATION)		
CR	CONTINU(-ED, -ATION)	OA	OUTSIDE AIR
CU FT	CUBIC FEET PER MINUTE	OD	OUTSIDE DIAMETER
CU IN	CUBIC INCH		
CWR	CHILLED WATER RETURN	PC	PUMPED CONDENSATE
CWS	CHILLED WATER SUPPLY	PD	PRESSURE DROP
		PH	PHASE
D	DRAIN	PPM	PARTS PER MILLION
dB	DECIBEL	PRESS	PRESSURE
DB	DRY-BULB TEMPERATURE	PSI	POUNDS PER SQUARE INCH
DEG OR	DEGREE	PSIA	PSI ABSOLUTE
DIA OR	DIAMETER	PSIG	PSI GAGE
DN	DOWN		
DPT	DEW-POINT TEMPERATURE	RA	RETURN AIR
DWG	DRAWING	RAD	RADIAT(-E, -OR)
		RB	RETURN BEND
EAT	ENTERING AIR TEMPERATURE	RD	ROOF DRAIN
EC	ELECTRICAL CONTRACTOR	RECIRC	RECIRCULATE
EFF	EFFICIENCY	RH	RELATIVE HUMIDITY
EL	ELEVATION	RL	REFRIGERANT LIQUID
ENT	ENTERING AIR TEMPERATURE	RO	ROOF OPENING
ESP	EXTERNAL STATIC PRESSURE	RPM	REVOLUTIONS PER MINUTE
EVAP	EVAPORAT(-E, -ING, -ED, -OR)	RS	REFRIGERANT SUCTION
EWT	ENTERING WATER TEMPERATURE		
EX, EXIST	EXISTING	S	SECOND
		SA	SUPPLY AIR
F	FAHRENHEIT	SAN	SANITARY
FA	FACE AREA	SH	SENSIBLE HEAT
FD	FIRE DAMPER	SHG	SENSIBLE HEAT GAIN
FOD	FUEL OIL DISCHARGE	SHR	SENSIBLE HEAT RATIO
FOF	FUEL OIL FILL	SP	STATIC PRESSURE
FOG	FUEL OIL GAGE	SPEC	SPECIFICATION
FOR	FUEL OIL RETURN	SQ	SQUARE
FOS	FUEL OIL SUCTION	STD	STANDARD
FOV	FUEL OIL TANK VENT	SUCT	SUCTION
FPM	FEET PER MINUTE		
FPS	FEET PER SECOND	TS	TEMPERATURE DIFFERENCE
FT	FOOT OR FEET	TEMP	TEMPERATURE
FVEL	FACE VELOCITY	TH	TOTAL HEAT
		THKNS	THICKNESS
G	GRAINS	TSTAT	THERMOSTAT
GA	GAGE OR GUAGE	TV	TURNING VANES
GAL	GALLONS	TYP	TYPICAL
GC	GENERAL CONTRACTOR		
GPH	GALLONS PER HOUR	V	VOLT
GPM	GALLONS PER MINUTE	VAC	VACUUM, VACUUM AIR
		VAV	VARIABLE AIR VOLUME
H	HUMIDIFICATION LINE	VD	VOLUME DAMPER
HD	HEAD	VEL	VELOCITY
HG	MERCURY	VENT	VENTILATION, VENT
HGT	HEIGHT	VOL	VOLUME DAMPER
HP	HORSEPOWER	VPD	VACUUM PUMP DISCHARGE
HPC	HIGH PRESSURE CONDENSATE		
HPS	HIGH PRESSURE STEAM	W	HUMIDITY RATIO
HPWR	HEAT PUMP WATER RETURN	W	WATT
HPWS	HEAT PUMP WATER SUPPLY	W/	WITH
HW	HOUR(S)	WB	WET BULB TEMPERATURE
HWR	HOT WATER RETURN	WD	WIDTH
HWS	HOT WATER SUPPLY	WG	WATER GAGE
HZ	HERTZ	WMS	WIRE MESH SCREEN
		WT	WEIGHT

GENERAL NOTES:

1. COORDINATE ALL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL DRAWINGS.
2. COORDINATE ALL PENETRATIONS THROUGH EXTERIOR WALLS WITH ARCHITECTURAL DRAWINGS.
3. THE CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK. THEY SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER FOR CORRECTION PRIOR TO BEGINNING ANY WORK. DISCOVERY OF ANY DISCREPANCIES AFTER WORK HAS COMMENCED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. DO NOT SCALE THESE DRAWING FOR EXACT DIMENSIONS, VERIFY ALL FIGURES, CONDITIONS, DIMENSIONS, ETC. AT THE JOB SITE.
5. THE HVAC CONTRACTOR SHALL CENTER AND/OR ALIGN REGISTERS, DIFFUSERS, AND EQUIPMENT WITH ADJACENT ARCHITECTURAL FEATURES. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS.
6. DUCT DIMENSIONS INDICATED ARE CLEAR INSIDE DIMENSIONS.
7. ALL ROOF CURBS FOR MECHANICAL EQUIPMENT SHALL BE FURNISHED, INSTALLED AND FLASHED BY THE HVAC CONTRACTOR. THE HVAC CONTRACTOR IS RESPONSIBLE FOR ALL HVAC RELATED ROOF WORK, INCLUDING CUTTING AND PATCHING. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE ROOF WARRANTY.
8. HVAC CONTRACTOR SHALL REVIEW THE EQUIPMENT SCHEDULES, SPECIFICATIONS, AND DRAWINGS IN ALL CONTRACT DOCUMENTS AND SUBSEQUENT SHOP DRAWINGS AND PROVIDE ALL LABOR AND MATERIAL FOR A COMPLETE AND OPERABLE SYSTEM. FAILURE TO REVIEW THESE DOCUMENTS DOES NOT RELIEVE THE CONTRACTOR OF FULFILLING THEIR CONTRACTUAL OBLIGATIONS.
9. REFER TO ARCHITECTURAL DRAWINGS AND SHOP DRAWINGS FOR FINAL CONNECTIONS AND EXACT LOCATIONS FOR ALL WORK REQUIRED FOR EQUIPMENT NOT FURNISHED UNDER THIS CONTRACT.
10. COORDINATE INSTALLATION OF NEW WORK WITH ARCHITECTURAL, STRUCTURAL, PLUMBING, POWER AND LIGHTING PLANS. CONTRACTOR SHALL TAKE ALL INTERFERENCE INTO CONSIDERATION. PROVIDE ALL NECESSARY OFFSETS OR TRANSITIONS WITH EQUIVALENT AREAS TO MATCH DUCT SIZES AS INDICATED ON DRAWINGS.
11. DO NOT INSTALL ANY MECHANICAL WORK ABOVE ELECTRICAL PANELS.
12. DO NOT INSTALL ANY MECHANICAL WORK ABOVE OR THROUGH ELEVATOR EQUIPMENT ROOM UNLESS SPECIFICALLY SERVING EQUIPMENT ROOM.
13. THE MOUNTING HEIGHT OF ALL THERMOSTATS, ROOM TEMPERATURE SENSORS, AND/ OR HUMIDITY SENSORS, SHALL MATCH THE MOUNTING HEIGHT OF ELECTRICAL LIGHT SWITCHES OR, IN THE ABSENCE OF NEARBY SWITCHES, BE MOUNTED 44" ABOVE FINISHED FLOOR.
14. FOR ALL BRANCH DUCT CONNECTIONS TO MAIN TRUNK, PROVIDE 45° TRANSITION FITTING OR CONICAL TAP FOR ROUND DUCT. BUTT FITTINGS ARE NOT PERMITTED. PROVIDE MANUAL VOLUME DAMPER WITH LOCKING QUADRANT AN ALL BRANCH RUNOUTS TO GRILLES AND DIFFUSERS.
15. PROVIDE TURNING VANES IN ALL MITERED ELBOWS OR PROVIDE ELBOWS WITH CENTERLINE RADIUS EQUAL TO 1.5 TIMES DUCT WIDTH.
16. INSTALL ALL FIRE DAMPERS AND CEILING RADIATION DAMPERS IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. PROVIDE UL FIRE DAMPERS WITH BLADES OUT OF AIR STREAM AND ACCESS DOORS. FIRE DAMPERS IN TRANSFER DUCTS ONLY MAY HAVE BLADES IN AIR STREAM.
17. SLEEVE AND SEAL ALL PIPE OR DUCT PENETRATIONS OF WALL AND FLOORS. PACK VOID BETWEEN PIPE OR DUCT AND SLEEVE WITH INSULATION IN NON-RATED WALLS AND FLOORS. PACK VOID BETWEEN PIPE OR DUCT AND SLEEVE WITH INSULATION IN FIRE-RATED WALLS AND FLOORS, APPLY INTUMESCENT FIRE SAFING COMPOUND AT PENETRATION, MAINTAINING INTEGRITY AND RATING OF FIRE SEPARATION. SLEEVES THROUGH FLOORS SHALL EXTEND 2" ABOVE FLOOR AND BE GROUTED INTO PLACE AND WATERPROOFED. PIPING THROUGH EXTERIOR WALLS SHALL BE SLEEVED AND SEALED WEATHER TIGHT.
18. THE OWNER SHALL HAVE THE OPTION TO RETAIN ANY EQUIPMENT, CONTROLS, PIPING, DUCTWORK, AND ACCESSORIES SCHEDULED TO BE REMOVED.
19. SHUTDOWN OF SERVICES SHALL BE COORDINATED AND SCHEDULED WITH THE OWNER.
20. DUCTWORK AND PIPING THAT REMAIN AFTER DEMOLITION IS COMPLETE, SHALL BE CAPPED AT THE MAIN (IF THEY ARE TO BE TAKEN OUT OF SERVICE), OR PREPARED FOR RECONNECTION (IF THEY ARE TO BE REUSED).
21. CEILINGS THAT NEED TO BE TEMPORARILY REMOVED TO ALLOW FOR THE INSTALLATION OF DUCTWORK, PIPING, OR EQUIPMENT SHALL BE REMOVED AND REPLACED BY HVAC CONTRACTOR. ALL FIRE PROTECTION, ELECTRICAL, MEDICAL GAS, AND SERVICES SHALL ALSO BE INCLUDED.
22. THE HVAC CONTRACTOR SHALL DISCONNECT AND CAP ALL SUPPLY, RETURN, AND EXHAUST AIR OUTLETS THAT ARE STILL ACTIVE IN THE PROJECT AREA DURING CONSTRUCTION.
23. THE HVAC CONTRACTOR SHALL REFER TO THE PHASING PLAN TO DETERMINE THE EXTENT OF WORK AND TEMPORARY SYSTEM CONNECTIONS NECESSARY FOR EACH PHASE.
24. ALL DUCT AND UNIT MOUNTED SMOKE DETECTORS FOR MECHANICAL EQUIPMENT AND DAMPERS SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR, WIRED TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR, WITH UNIT SHUTDOWN CONTROL WIRING BY THE MECHANICAL CONTRACTOR.
25. HVAC CONTRACTOR SHALL PROVIDE ALL TRANSFORMERS AS REQUIRED FOR DUCT-MOUNTED DAMPER ACTUATORS OR THE DDC CONTROLS SYSTEM.
26. ALL WORK SHALL BE SCHEDULED AND COORDINATED WITH THE OWNER SO THAT DISRUPTION OF AREAS INVOLVED IS KEPT TO A MINIMUM. ANY ACCIDENTAL INTERRUPTIONS TO SERVICES SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR WITH OUT ANY ADDITIONAL COST TO THE OWNER.
27. PRIOR TO SUBMITTING BIDS AND DURING CONSTRUCTION, THE CONTRACTOR SHALL EXAMINE THE DRAWINGS OF ALL TRADES AND COORDINATE THE INSTALLATION WITH ALL TRADES AND EXISTING CONDITIONS. COORDINATION OF WORK IF NECESSARY SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
28. THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT INDICATE ALL OFFSETS, BENDS, ACCESS PANELS, AND SIMILAR PARTS WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING HIS WORK AND PROVIDE ALL FITTINGS, ACCESS PANELS, AND SIMILAR ACCESSORIES THAT MAYBE REQUIRED TO PROVIDE A COMPLETE AND OPERATING INSTALLATION AT NO ADDITIONAL COST TO THE OWNER.
29. PROVIDE ALL DAMPERS, SHEAVES, AND BELTS AS REQUIRED FOR BALANCING.
30. THIS CONTRACTOR IS RESPONSIBLE FOR THE CUTTING AND PATCHING OF ALL OPENINGS RELATED TO THEIR WORK. PATCHES SHALL MATCH SURROUNDING WALL AND CEILING SURFACES AND SHALL BE SEALED AND FIRESTOPPED AS REQUIRED.
31. INSTALL FIRE DAMPERS AS REQUIRED PER NFPA 101 AND NFPA 90A, (2012 EDITION).
32. ALL HVAC INSTALLATIONS SHALL COMPLY WITH NFPA 101.

Mechanical Drawing Schedule

M-001	LEGEND, NOTES AND DRAWING SCHEDULE
M-002	ENERGY COMPLIANCE FORMS
M-101	PARTIAL FLOOR PLANS - MECHANICAL DEMOLITION
M-102	PARTIAL FLOOR PLANS - MECHANICAL DEMOLITION
M-103	PARTIAL FLOOR PLANS - MECHANICAL DEMOLITION
M-201	PARTIAL FLOOR PLANS - MECHANICAL
M-202	PARTIAL FIRST FLOOR PLAN - MECHANICAL
M-203	ROOF PLAN - MECHANICAL
M-301	DETAILS
M-401	SCHEDULES
M-402	SCHEDULES AND DETAILS

NOTE : THIS IS A GENERAL MECHANICAL LEGEND. ALL SYMBOLS MAY NOT APPEAR ON THE PLANS. SEE PLANS FOR ACTUAL SYMBOLS USED.

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MATERIALS RECOVERY FACILITY,
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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

LEGEND, NOTES AND DRAWING SCHEDULE

REV	DESCRIPTION	DATE	BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21	BJZ	RGL
B	REVISED FOR RFP ADDENDUM 4	8/27/21	BJZ	RGL
A	ISSUED FOR RFP	7/30/21	BJZ	RGL

N.Y. P.E. LICENSE No. 083339

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	BY	DATE
DRAWN	BJZ	7/30/21
CHECKED		
DESIGNED	BJZ	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010
SCALE:
DWG. NO: M-001
REV: C
CAD FILE: N:\2021\21033\MEP\21033 M-001.DWG
SHEET SIZE: D-24x36

C

COMcheck Software Version 4.1.5.3

Mechanical Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	Rockland Green Facility Improvements
Location:	West Nyack, New York
Climate Zone:	5a
Project Type:	New Construction

Construction Site:
420 Torne Valley Road
Hillburn, NY 10931

Owner/Agent:

Designer/Contractor:

Additional Efficiency Package(s)

Credits: 1.0 Required 0.0 Proposed

Mechanical Systems List

Quantity System Type & Description

1 HVAC System 1 (Single Zone):
Heating: 1 each - Other, Gas, Capacity = 130 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Single Package DX Unit, Capacity = 60 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 17.20 SEER, Required Efficiency: 14.00 SEER
Fan System: RTU-1 | ADMIN BUILDING -- Compliance (Motor nameplate HP method) : Passes

Fans:
FAN 1 Supply, Constant Volume, 2000 CFM, 1.0 motor nameplate hp, 0.0 fan efficiency grade

1 HVAC System 2 (Single Zone):
Heating: 1 each - Other, Gas, Capacity = 250 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Single Package DX Unit, Capacity = 114 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 15.20 EER, Required Efficiency: 11.00 EER + 12.6 IEER
Fan System: RTU-2 | ADMIN BUILDING -- Compliance (Motor nameplate HP method) : Passes

Fans:
FAN 2 Supply, Constant Volume, 4000 CFM, 2.8 motor nameplate hp, 0.0 fan efficiency grade

1 HVAC System 3 (Single Zone):
Cooling: 1 each - Split System, Capacity = 12 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception: None
Proposed Efficiency = 14.00 SEER, Required Efficiency: 13.00 SEER
Fan System: AC-1 | IT CLOSET -- Compliance (Motor nameplate HP method) : Passes

Fans:
FAN 5 Supply, Constant Volume, 350 CFM, 0.1 motor nameplate hp, 0.0 fan efficiency grade

1 HVAC System 4 (Single Zone):
Heating: 4 each - Radiant Heater, Gas, Capacity = 80 kBtu/h
No minimum efficiency requirement applies
Fan System: None

1 HVAC System 5 (Single Zone):
Heating: 2 each - Radiant Heater, Gas, Capacity = 150 kBtu/h
No minimum efficiency requirement applies
Fan System: None

1 HVAC System 6 (Single Zone):
Heating: 8 each - Unit Heater, Gas, Capacity = 400 kBtu/h

Quantity System Type & Description

Proposed Efficiency = 80.00% Ec, Required Efficiency: 80.00 % Ec
Fan System: None

1 HVAC System 7 (Single Zone):
Heating: 4 each - Unit Heater, Electric, Capacity = 17 kBtu/h
No minimum efficiency requirement applies
Fan System: None

1 HVAC System 8 (Single Zone):
Heating: 1 each - Unit Heater, Electric, Capacity = 26 kBtu/h
No minimum efficiency requirement applies
Fan System: None

1 HVAC System 9 (Single Zone):
Heating: 1 each - Unit Heater, Electric, Capacity = 34 kBtu/h
No minimum efficiency requirement applies
Fan System: None

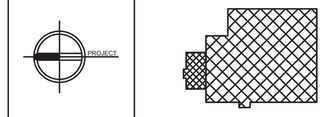
1 Water Heater 1:
Gas Storage Water Heater, Capacity: 60 gallons, Input Rating: 120 kBtu/h w/ Circulation Pump
Proposed Efficiency: 80.00 % Et, Required Efficiency: 80.00 % Et

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Robert Zukosky — Name - Title: MECHANICAL DESIGNER
Signature: Robert Zukosky
Date: 10-27-21

PROJECT



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RRT Engineering , LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

REV	DESCRIPTION	DATE	BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21		
B	REVISED FOR RFP ADDENDUM 4	8/27/21		
A	ISSUED FOR RFP	7/30/21	RER	RER

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

ENERGY COMPLIANCE FORMS

STATE OF NEW YORK — MICHAEL BRITTON DILL — MR. DESIGN — LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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RRT Engineering , LLC
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Melville, N.Y. 11747
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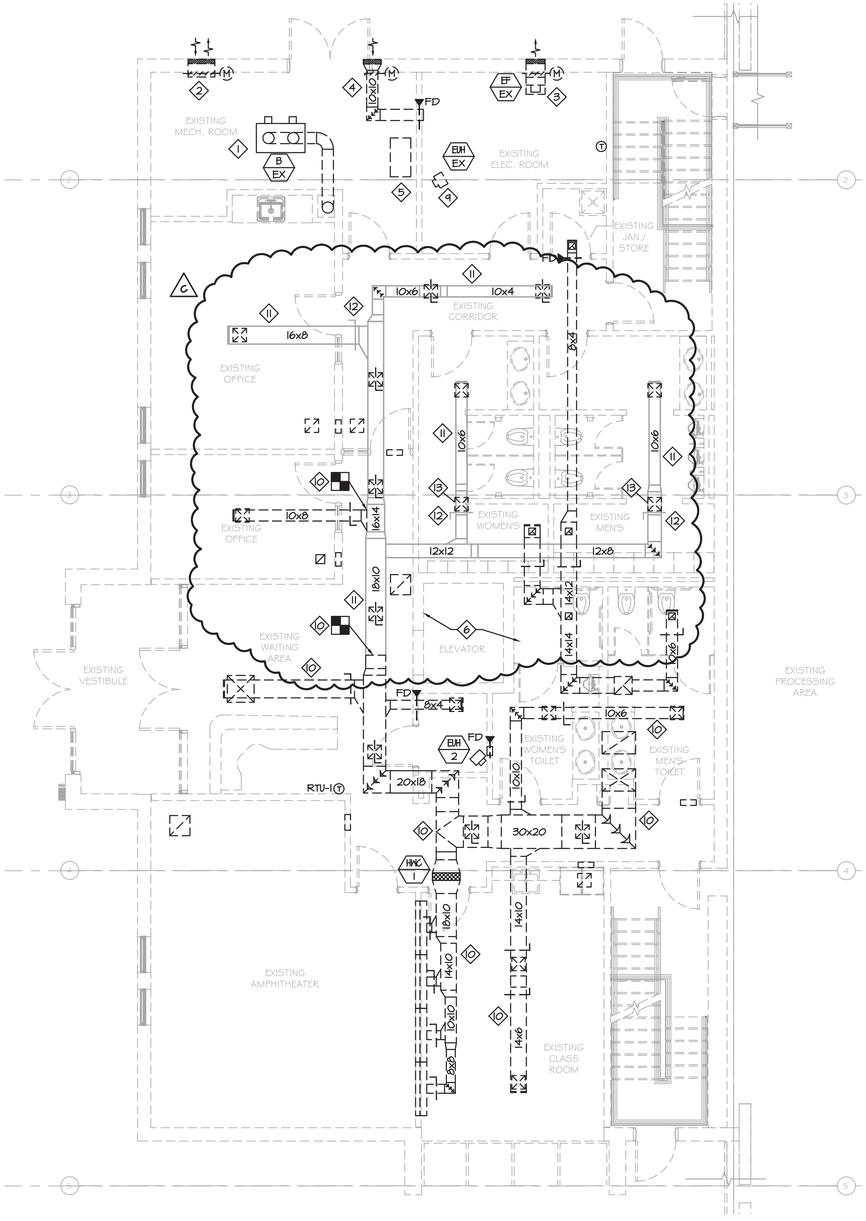
fax: 631-756-1064

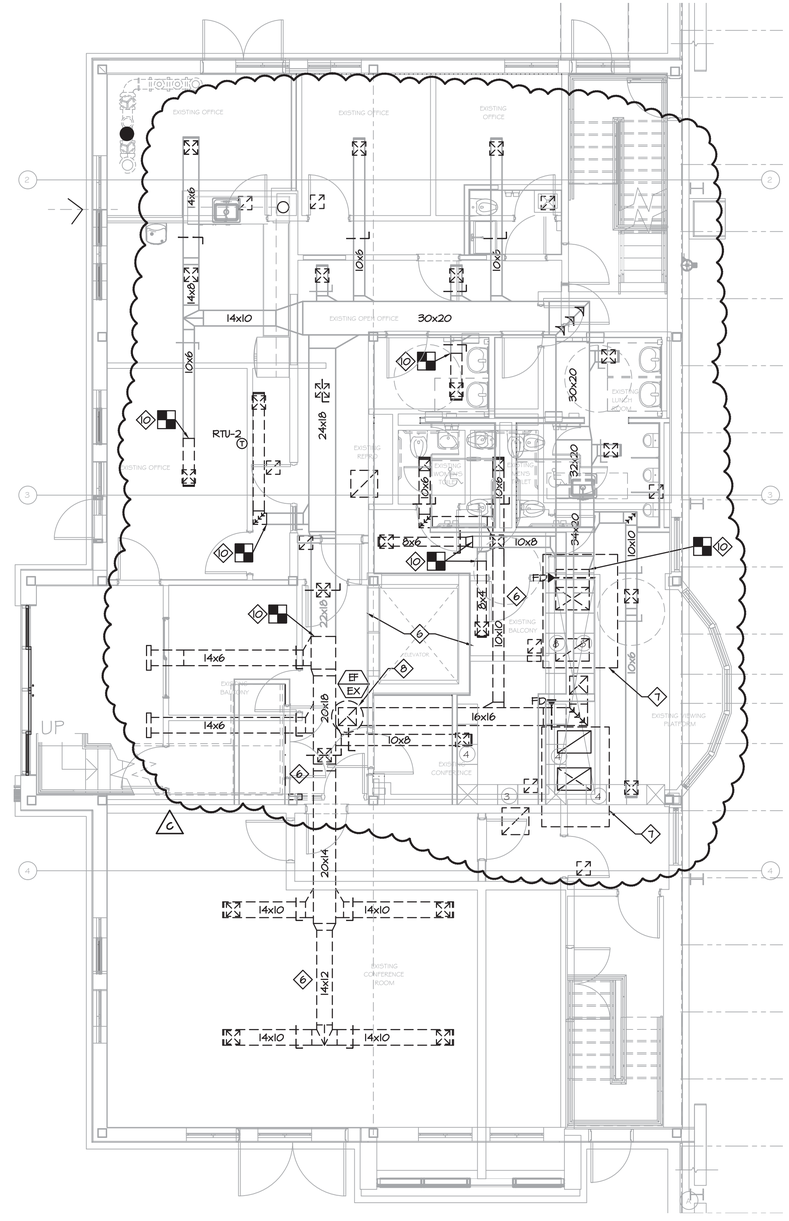
	BY	DATE
DRAWN	BJZ	7/30/21
CHECKED	BJZ	7/9/21
DESIGNED	BJZ	7/9/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE:
DWG. NO: M-002 C
CAD FILE: N:\2021\21033\MEP\21033 M-002.DWG
SHEET SIZE: D-24x36 REV



1 M-101 PARTIAL FIRST FLOOR PLAN - MECHANICAL DEMOLITION

SCALE: 3/16"=1'-0"



2 M-101 PARTIAL SECOND FLOOR PLAN - MECHANICAL DEMOLITION

SCALE: 3/16"=1'-0"

DEMOLITION NOTES:

1. REMOVE EXISTING BOILER, HOT WATER PUMP, EXPANSION TANK, AND ALL RELATED HOT WATER SYSTEM COMPONENTS IN THEIR ENTIRETY.
2. REMOVE EXISTING INTAKE AIR LOUVER 12" AFF AND VENTILATION AIR LOUVER 12" BELOW SECOND FLOOR SLAB. PATCH OPENINGS AT REMOVALS TO MATCH EXISTING.
3. REMOVE EXISTING EXHAUST LOUVER, EXHAUST FAN, DUCTWORK ASSOCIATED CONTROLS, 9' AFF.
4. REMOVE EXISTING INTAKE LOUVER, DUCTWORK AND ASSOCIATED CONTROLS, 9' AFF..
5. REMOVE EXISTING ATC AIR COMPRESSOR, AIR DRYER AND ALL RELATED APPURTENANCES IN THEIR ENTIRETY. ALL EXISTING PNEUMATIC CONTROL SYSTEM DEVICES, TUBING, ETC. SHALL BE REMOVED IN THEIR ENTIRETY. NEW CONTROLS SHALL BE ALL ELECTRONIC/DDC.
6. REMOVE ALL EXISTING RETURN, AND EXHAUST DUCTWORK THROUGHOUT THE ADMINISTRATION BUILDING IN ITS ENTIRETY INCLUDING ALL DIFFUSERS, REGISTERS, GRILLES, DAMPERS, SUPPORTS, HANGERS, AND RELATED DEVICES. NOTHING SHALL REMAIN FROM EXISTING SYSTEMS AT COMPLETION OF DEMOLITION UNLESS SPECIFICALLY NOTED OTHERWISE.
7. REMOVE EXISTING ROOFTOP UNIT IN ITS ENTIRETY.
8. REMOVE EXISTING ROOFTOP FAN IN ITS ENTIRETY.
9. REMOVE EXISTING ELECTRIC UNIT HEATER, MOUNTING BRACKET AND ASSOCIATED CONTROLS.
10. REMOVE EXISTING SUPPLY DUCTWORK IN ITS ENTIRETY INCLUDING ALL DIFFUSER, REGISTERS, GRILLES, DAMPERS, SUPPORTS, HANGERS, AND RELATED DEVICES TO POINT SHOWN.
11. FOR EXISTING SUPPLY DUCTWORK TO REMAIN, REMOVE EXISTING DIFFUSERS, REGISTERS, GRILLES, AND DAMPERS WHERE SHOWN. ALL EXISTING DUCTWORK TO REMAIN SHALL BE CLEANED.
12. VERIFY THE OPERATION OF EXISTING VOLUME DAMPER. REPLACE ALL NON FUNCTIONING DAMPERS AND SUBMIT REPORT TO OWNER'S ENGINEER.
13. REMOVE EXISTING AIR OUTLET AND CAP EXISTING BRANCH DUCTWORK.

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

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B	REVISED FOR RFP ADDENDUM 4	8/27/21	BJZ	RGL
A	ISSUED FOR RFP	7/30/21	BJZ	RGL

STATE OF NEW YORK · MELISSA BRITTON BELLIS · No. 083339 · LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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NY COA # 0017967

Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FLOOR PLANS - MECHANICAL DEMOLITION

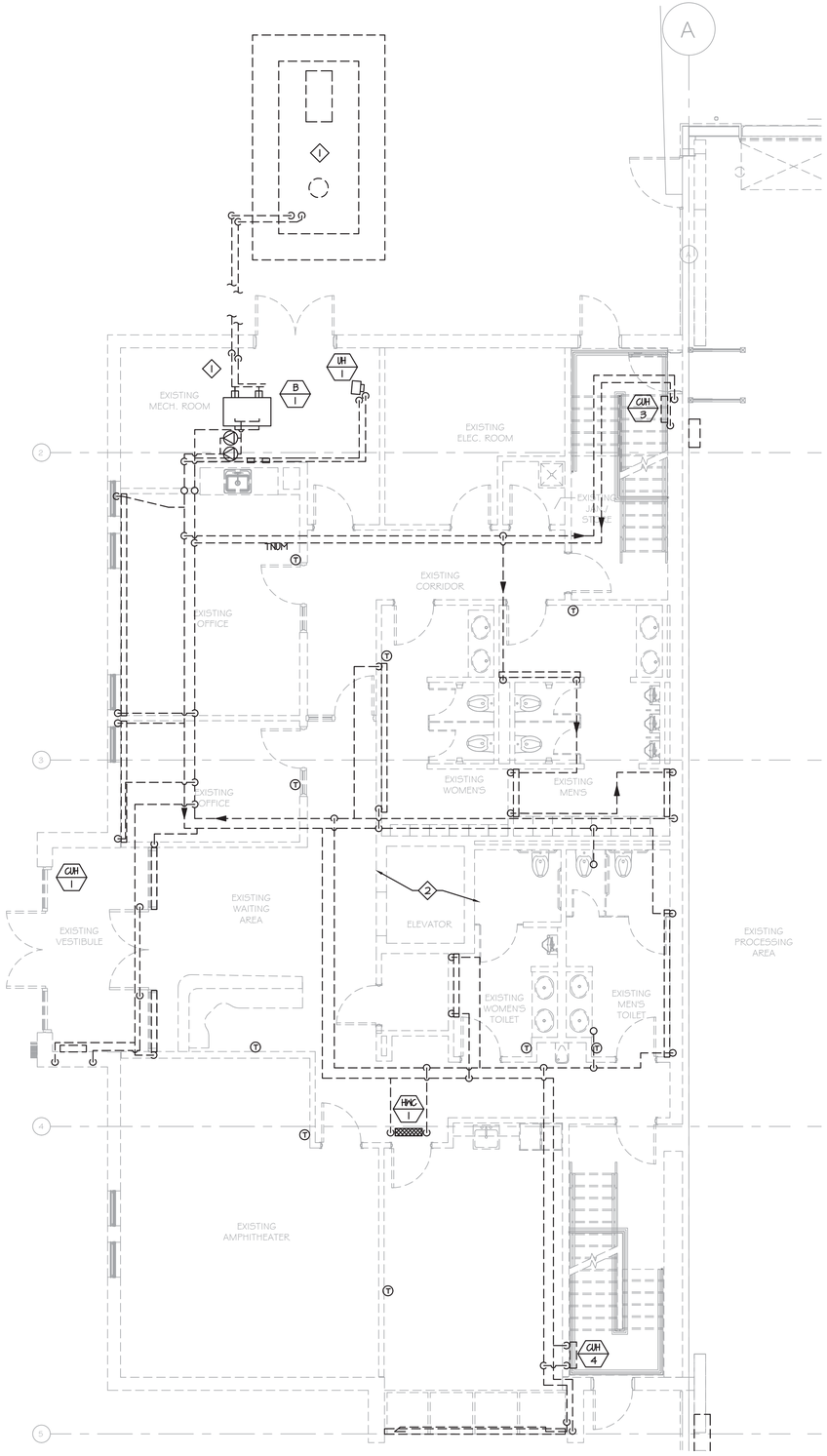
	BY	DATE
DRAWN	BJZ	7/30/21
CHECKED		
DESIGNED	BJZ	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE:

DWG. NO: M-101 C

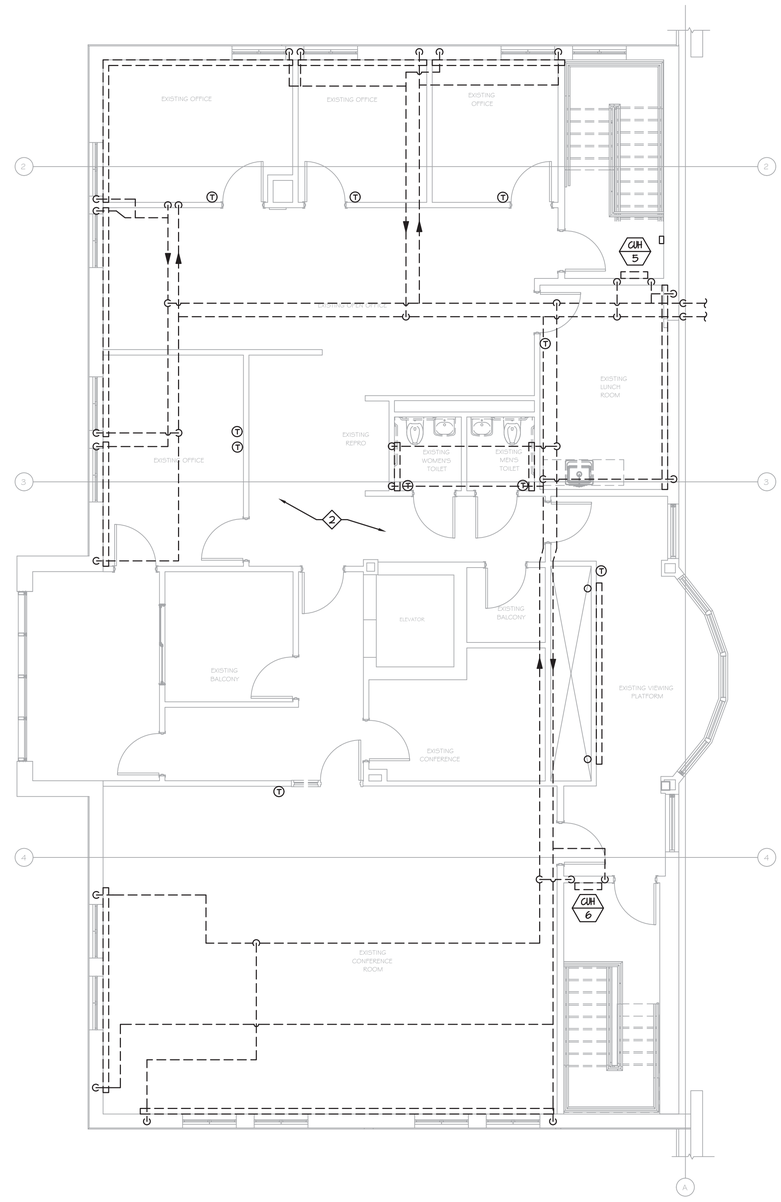
CAD FILE: N:\2021\21033\MEP\21033 M-101.DWG

SHEET SIZE: D–24x36 REV



1 M-102 PARTIAL FIRST FLOOR PLAN - MECHANICAL DEMOLITION

SCALE: 3/16"=1'-0"

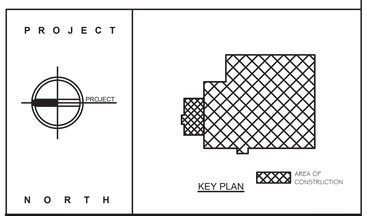


2 M-102 PARTIAL SECOND FLOOR PLAN - MECHANICAL DEMOLITION

SCALE: 3/16"=1'-0"

DEMOLITION NOTES:

1. REMOVE EXISTING BOILER, HOT WATER PUMP, EXPANSION TANK, AND ALL RELATED HOT WATER SYSTEM COMPONENTS IN THEIR ENTIRETY. REMOVE EXISTING FUEL PUMPS, PIPING, OIL TANK, CONCRETE PAD AND ALL RELATED FUEL OIL SUPPLY SYSTEM COMPONENTS IN THEIR ENTIRETY.
2. REMOVE ALL EXISTING HOT WATER PIPING THROUGHOUT THE FACILITY IN ITS ENTIRETY INCLUDING ALL HOT WATER TERMINAL DEVICES, DUCT COILS, UNIT HEATERS, CABINET HEATERS, RADIATORS, HANGERS, AND RELATED DEVICES. NOTHING SHALL REMAIN FROM EXISTING SYSTEMS AT COMPLETION OF DEMOLITION UNLESS SPECIFICALLY NOTED OTHERWISE.



STERLING
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martinrogers ENGINEERING CONSULTANTS
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t.570.826.1000 | f.570.825.0888 | w. www.mrapc.com

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ROCKLAND GREEN
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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FLOOR PLANS - MECHANICAL DEMOLITION

REV	DESCRIPTION	DATE BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21 BJZ	RGL
B	REVISED FOR RFP ADDENDUM 4	8/27/21 BJZ	RGL
A	ISSUED FOR RFP	7/30/21 BJZ	RGL

N.Y. P.E. LICENSE No. 083339

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RRT Engineering , LLC
1 Huntington Quadrangle, 3S01
Melville, N.Y. 11747
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fax: 631-756-1064

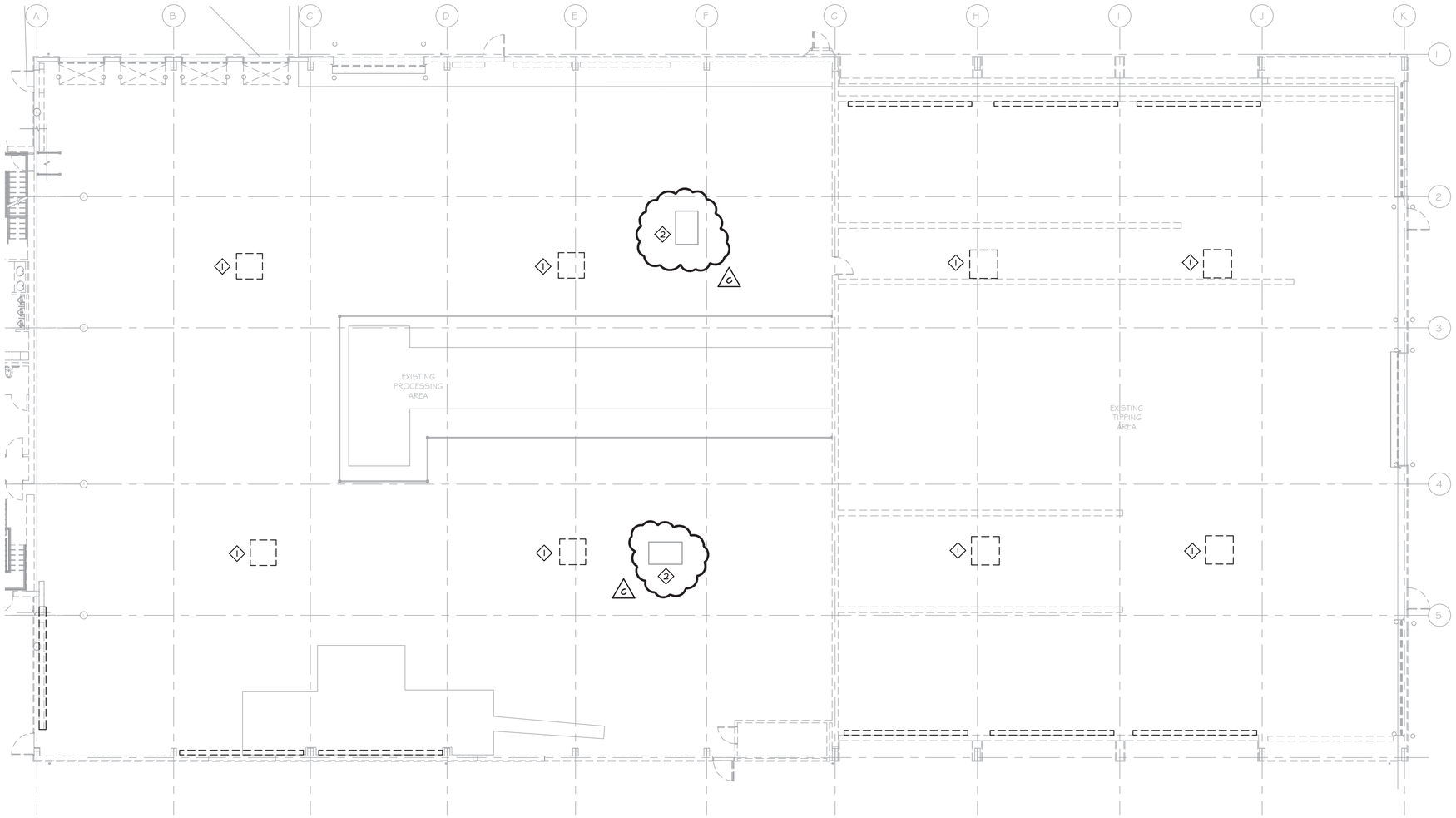
	BY	DATE
DRAWN	BJZ	7/30/21
CHECKED		
DESIGNED	BJZ	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE:

DWG. NO: M-102 C

CAD FILE: N:\2021\21033\MEP\21033 M-102.DWG

SHEET SIZE: D-24x36 REV



1
M-103

PARTIAL FIRST FLOOR PLAN MECHANICAL DEMOLITION

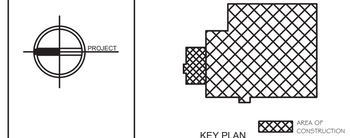
SCALE: 3/32"=1'-0"

DEMOLITION NOTES:

1. REMOVE EXISTING EXHAUST FAN, ASSOCIATED CONTROLS AND ANY RELATED DUCTWORK. EXISTING ROOF CURB SHALL REMAIN AND BE MODIFIED AS REQUIRED TO ACCOMMODATE NEW EXHAUST FAN. REFER TO M-203 FOR DETAILS. ROOF CURBS CONDITION SHALL BE EVALUATED IN THE FIELD AND A REPORT SHALL BE SUBMITTED TO THE OWNERS ENGINEER.
2. EXISTING AIR HANDLING UNIT, ASSOCIATED CONTROLS, ROOF CURB AND ANY RELATED DUCTWORK SHALL REMAIN AND BE ABANDONED IN PLACE. EXISTING ROOF OPENING SHALL BE SEALED WATERTIGHT. EXISTING DUCTWORK SHALL BE CAPPED AND SEALED.

C

PROJECT



N O R T H

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martinrogers
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STATE OF NEW YORK
JOSHUA BRITTON BRIZZI
No. 083339
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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RRT Engineering , LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

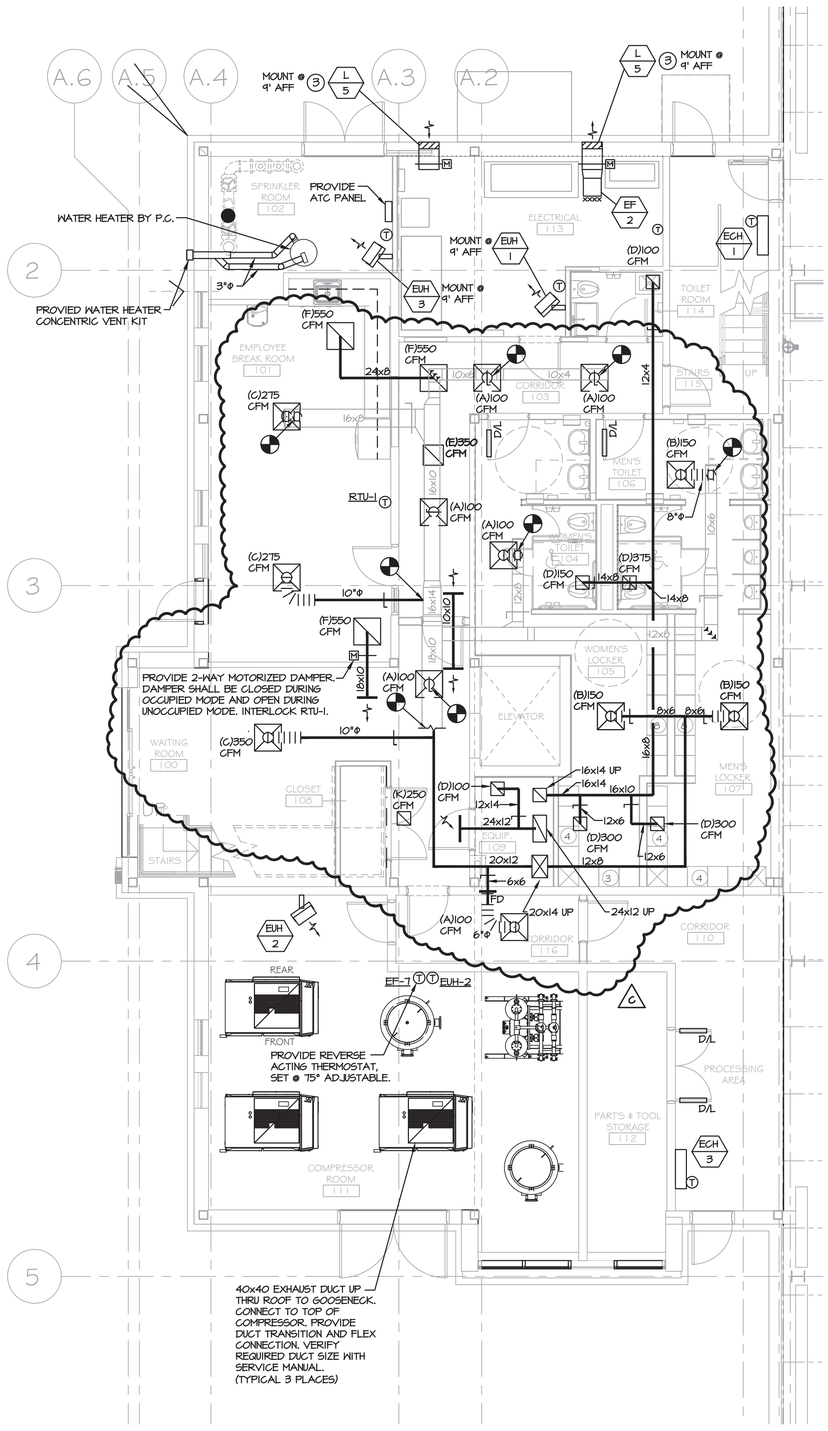
PARTIAL FIRST FLOOR PLAN - MECHANICAL DEMOLITION

	BY	DATE
DRAWN	BJZ	7/30/21
CHECKED		
DESIGNED	BJZ	7/30/21
APPROVED		
APPROVED		

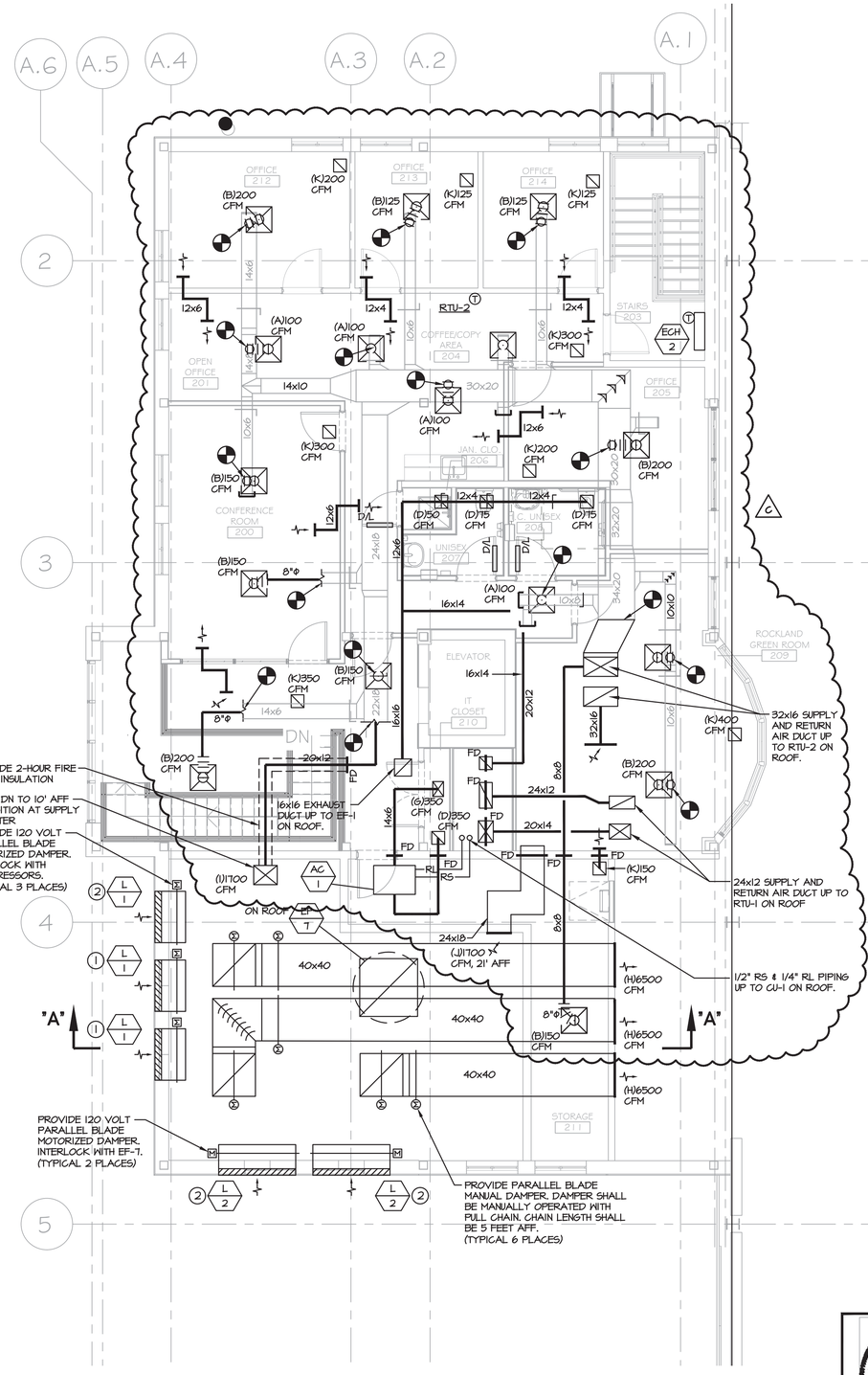
PROJ. No: 499-010
SCALE:
DWG. NO: M-103
CAD FILE: N:\2021\21033\MEP\21033 M-103.DWG
SHEET SIZE: D-24x36
C
REV

MECHANICAL INSTALLATION NOTES:

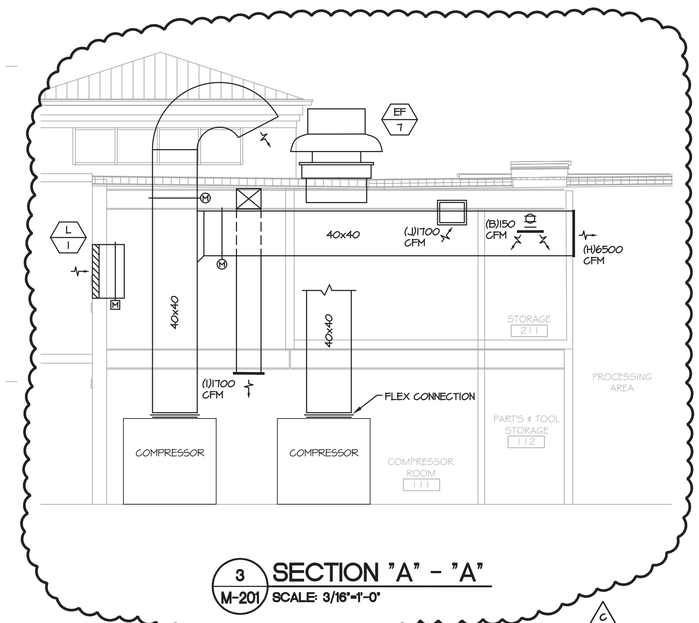
1. INSTALL LOUVER IN EXISTING WINDOW OPENING. PROVIDE WOOD BLOCKING AS REQUIRED. VERIFY OPENING SIZE IN FIELD PRIOR TO PURCHASING LOUVER.
2. INSTALL LOUVER IN EXISTING WALL. LINTEL SHALL BE PROVIDED BY STRUCTURAL CONTRACTOR. ALIGN NEW OPENING WITH EXISTING WINDOW.
3. INSTALL LOUVER IN EXISTING WALL. LINTEL SHALL BE PROVIDED BY STRUCTURAL CONTRACTOR. COORDINATE EXACT LOCATION IN FIELD WITH ELECTRICAL EQUIPMENT AND ASSOCIATED CONDUIT.



1 M-201 PARTIAL FIRST FLOOR PLAN - MECHANICAL
SCALE: 3/16"=1'-0"



2 M-201 PARTIAL SECOND FLOOR PLAN - MECHANICAL
SCALE: 3/16"=1'-0"



3 M-201 SECTION "A" - "A"
SCALE: 3/16"=1'-0"

PROJECT NORTH

KEY PLAN — AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

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REV	DESCRIPTION	DATE	BY	CHK
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B	REVISED FOR RFP ADDENDUM 4	8/27/21	BJZ	RGL
A	ISSUED FOR RFP	7/30/21	BJZ	RGL

STATE OF NEW YORK — MICHAEL BRITTON GALLI — LICENSED PROFESSIONAL ENGINEER
N.Y. P.E. LICENSE No. 083339

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NY COA # 0017967

Rockland Green
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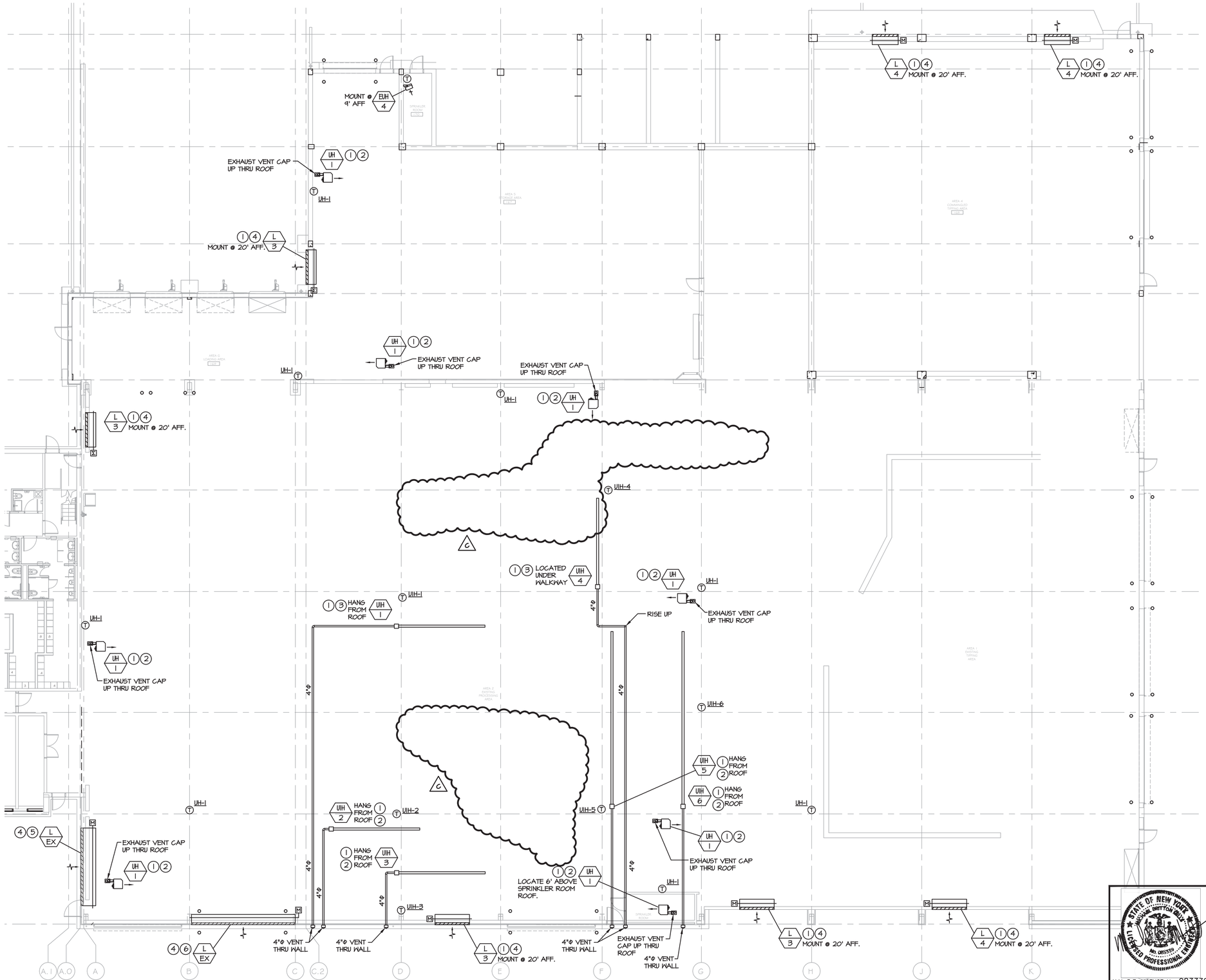
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FLOOR PLANS - MECHANICAL

	BY	DATE
DRAWN	BJZ	7/30/21
CHECKED		
DESIGNED	BJZ	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE:
DWG. NO: M-201 REV C
CAD FILE: N:\2021\21033\MEP\21033 M-201.DWG
SHEET SIZE: D-24x36



1 M-202 PARTIAL FIRST FLOOR PLAN - MECHANICAL
SCALE: 3/32"=1'-0"

MECHANICAL INSTALLATION NOTES:

1. ALL LOCATION AND MOUNTING HEIGTHS SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE AND APPROVAL OF OWNER'S ENGINEER. COORDINATE WITH EQUIPMENT CONTRACTOR AND OWNER'S ENGINEER'S REPRESENTATIVE IN FIELD.
2. PROVIDE 6"Φ FLUE AND COMBUSTION AIR VENT THRU WALL OR ROOF.
3. PROVIDE 4"Φ FLUE THRU WALL OR ROOF.
4. PROVIDE 2-POSITION, LOW LEAK 120 VOLT, MOTORIZED DAMPER. INTERLOCK WITH EXHAUST FANS.
5. EXISTING 18' LONG x 3' HIGH LOUVER, 12' AFF. SHALL REMAIN AND BE REUSED. LOUVER SHALL BE CLEANED AND BIRD SCREEN SHALL BE REPLACED. PROVIDE DUCT COLLAR AND MOTORIZED DAMPER.
6. EXISTING 24' LONG x 3' HIGH LOUVER, 12' AFF. SHALL REMAIN AND BE REUSED. LOUVER SHALL BE CLEANED AND BIRD SCREEN SHALL BE REPLACED. PROVIDE DUCT COLLAR AND MOTORIZED DAMPER.

PROJECT
NORTH

KEY PLAN
AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

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STATE OF NEW YORK
MICHAEL BRITTON BUJA
No. 083339
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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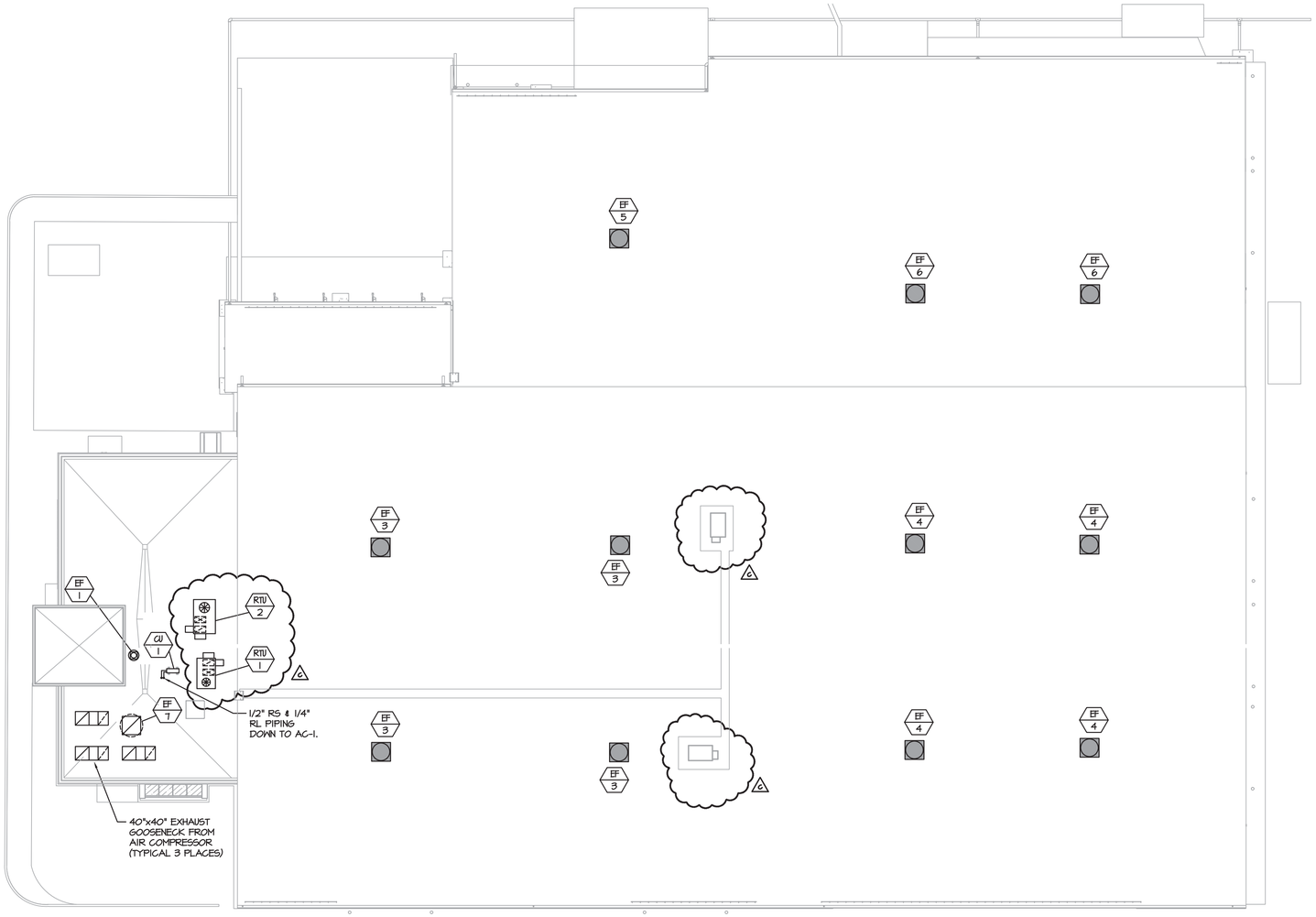
PARTIAL FIRST FLOOR PLAN - MECHANICAL

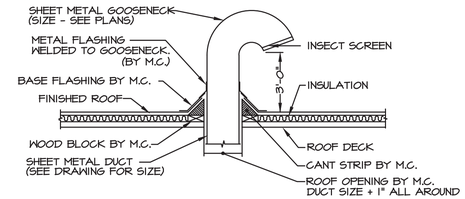
	BY	DATE
DRAWN	BJZ	7/30/21
CHECKED		
DESIGNED	BJZ	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010
SCALE:
DWG. NO: M-202
C
CAD FILE: N:\2021\21033\MEP\21033 M-202.DWG
SHEET SIZE: D-24x36
REV



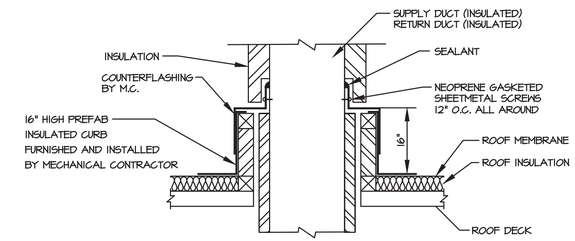
1 M-203 ROOF PLAN - MECHANICAL

SCALE: 1/16"=1'-0"



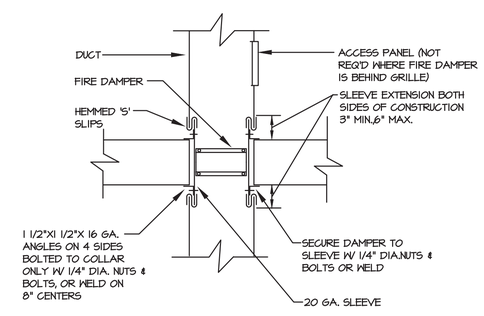
1 M-203 TYPICAL GOOSENECK DETAIL

SCALE: NO SCALE



2 M-203 DUCT THRU ROOF DETAIL

NOT TO SCALE



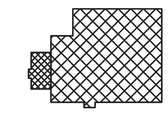
3 M-203 FIRE DAMPER DETAIL

SCALE: NO SCALE

(THRU WALL OR FLOOR)

PROJECT

NORTH



KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

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ENGINEERING CONSULTANTS
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
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REV	DESCRIPTION	DATE	BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21	BJZ	RGL
B	REVISED FOR RFP ADDENDUM 4	8/27/21	BJZ	RGL
A	ISSUED FOR RFP	7/30/21	BJZ	RGL

STATE OF NEW YORK · MICHAEL BRITTON BOLTZ · No. 083339 · LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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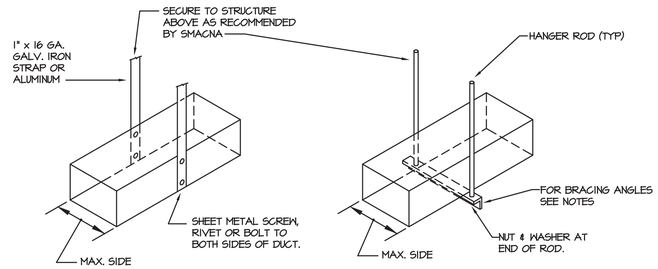
Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

ROOF PLAN - MECHANICAL

	BY	DATE		
DRAWN	BJZ	7/30/21	PROJ. No: 499-010	SCALE:
CHECKED			DWG. NO: M-203	C
DESIGNED	BJZ	7/30/21		
APPROVED			CAD FILE: N:\2021\21033\MEP\21033 M-203.DWG	
APPROVED			SHEET SIZE: D-24x36	REV



TYPE "A"

(8 FT. MAX. HANGER SPACING. ALSO PROVIDE 3 HANGERS AT EACH TAKE-OFF OR BRANCH)

TYPE "B", "C", & "D"

(8 FT. MAX. HANGER SPACING)

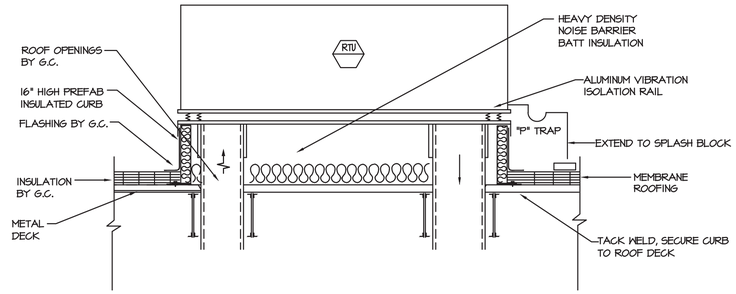
DUCT DIMENSION	HANGER TYPE	ROD DIA.	ANGLE SIZE	MAX SPACING
UP TO 18"	A	1" STRAP	———	8'-0"
19" TO 60"	B	5/16"	1-1/2" x 1-1/2" x 1/8"	8'-0"
61" TO 96"	C	3/8"	1-1/2" X 1-1/2" x 3/16"	8'-0"
OVER 96"	D	1/2"	2" x 2" x 1/4"	4'-0"

NOTES:

1. FOR SEVERAL DUCTS ON ONE HANGER, TYPE "B", "C", OR "D" MAY BE USED. SIZE OF HANGER WILL BE SELECTED ON SUM OF DUCT WIDTHS EQUAL TO MAX. WIDTH OF DUCT SCHEDULE.
2. DUCTS SHALL BE SUPPORTED FROM STRUCTURAL STEEL NOT FLOOR DECK ABOVE.

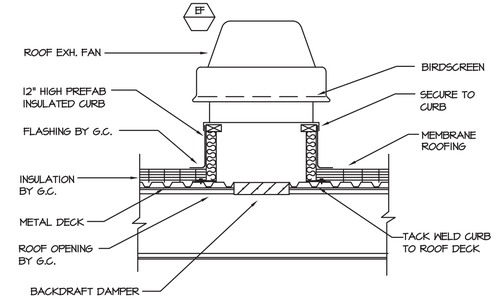
1 M-301 DUCT HANGER DETAILS

SCALE: N.T.S.



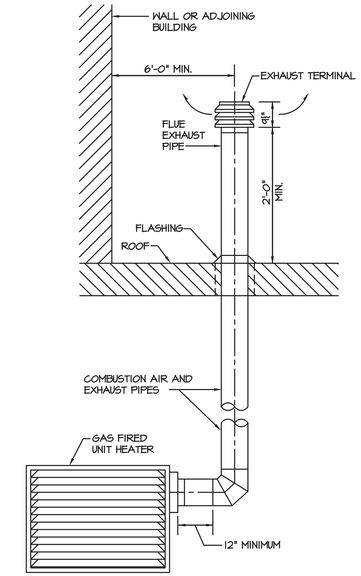
2 M-301 ROOFTOP UNIT DETAIL

SCALE: N.T.S.



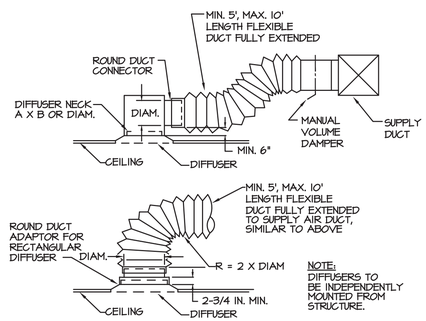
3 M-301 ROOF MOUNTED EXHAUST FAN DETAIL

SCALE: N.T.S.



4 M-301 GAS UNIT HEATER DETAIL

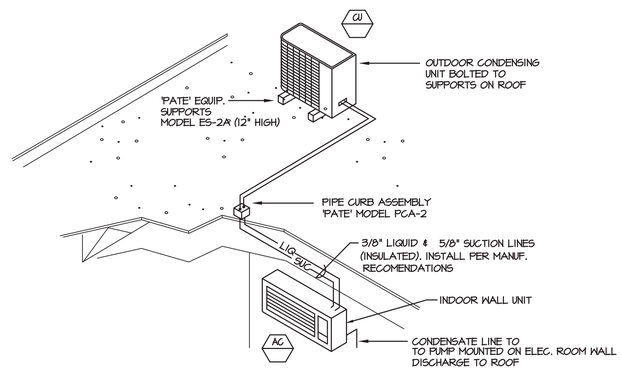
SCALE: N.T.S.



NOTE:
DIFFUSERS TO BE INDEPENDENTLY MOUNTED FROM STRUCTURE.

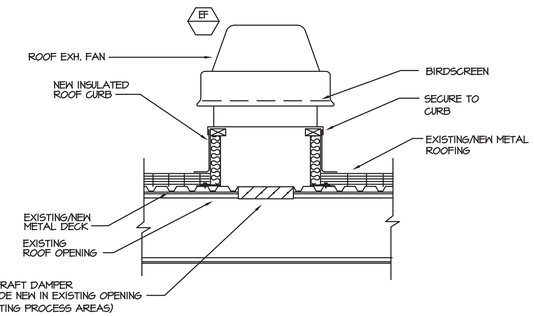
5 M-301 DIFFUSER CONNECTION DETAILS

SCALE: N.T.S.



6 M-301 DUCTLESS SPLIT SYSTEM DETAIL

SCALE: N.T.S.

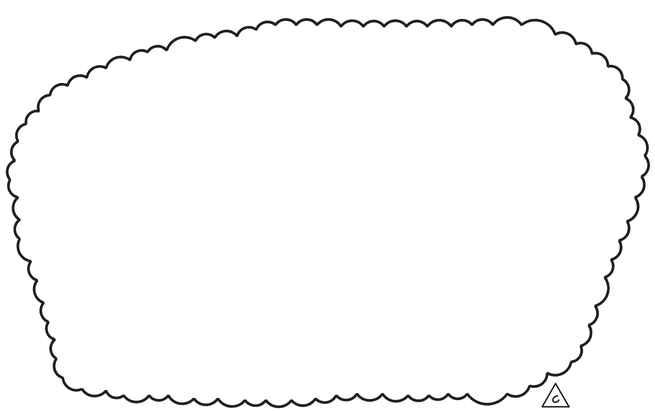


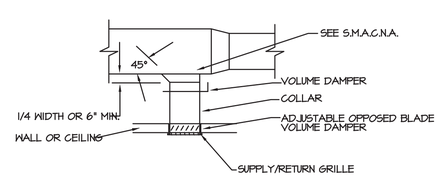
PROCESS AREA ROOF MOUNTED EXHAUST FAN DETAIL

7 M-301

SCALE: N.T.S.

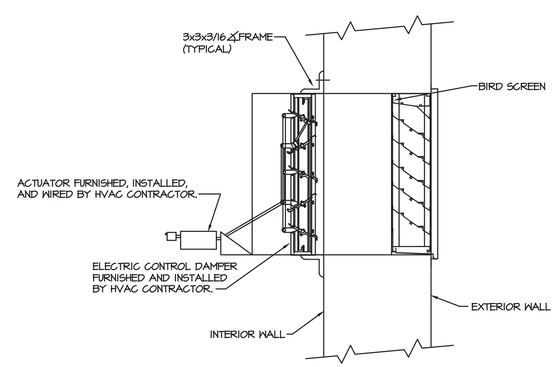
NOTE: FOLLOW PEMB SPECS FOR INSTALLING ROOF CURBS IN NEW AND EXISTING METAL ROOFS





9 M-301 REGISTER & GRILLE CONNECTIONS DETAIL

SCALE: N.T.S.



10 M-301 LOUVER DETAIL

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SCALE:
DWG. NO: M-301
C
CAD FILE: N:\2021\21033\MEP\21033 M-301.DWG
SHEET SIZE: D-24x36
REV

GAS FIRED UNIT HEATER SCHEDULE

TAG	APPLICATION	MANUF.	MODEL	FUEL	INPUT	OUTPUT	CFM	FLUE DIA	COMB DIA	MOTOR HP	ELECTRIC V/PH/HZ	WEIGHT (LBS)	REMARKS/ACCESS
UH-1	WHAREHOUSE	REZNOR	UBZ	NAT. GAS	400	340	6185	6	6	2.0	115/1/60	507	1 THRU 13

REMARKS:
1. PROVIDE FACTORY ELECTRICAL DISCONNECT SWITCH AND INTEGRAL THERMOSTAT.
2. PROVIDE FACTORY COMBUSTION AIR/VENT KIT (CONCENTRIC VENTS THROUGH SIDEWALL.)
3. PROVIDE FACTORY BELT AND BLOWER GUARDS.
4. PROVIDE ALL NECESSARY MOUNTING BRACKETS AND HARDWARE.
5. 3/4" NATURAL GAS CONNECTION.
6. ELECTRICAL 27.3 FLA, 60 MOCP, 1835 WATTS..
7. PROVIDE UNIT WITH 2 STAGE NATURAL GAS VALVE.
8. PROVIDE UNIT WITH 2 STAGE A WALL-MOUNTED HEATING THERMOSTAT WITH SUMMER FAN/BLOWER SWITCH.
9. PROVIDE UNIT WITH ALL REQUIRED GAS PRESSURE REGULATORS.
10. PROVIDE UNIT WITH HORIZONTAL LOUVERS. MOUNT UNIT AND VENTS AS HIGH AS POSSIBLE FOR MAXIMUM CLEARANCE BELOW.
11. PROVIDE UNIT WITH 115 VOLT TO 24 VOLT TRANSFORMER AND 24 VOLT REMOTE THERMOSTAT.
12. FINISH - BAKED ENAMEL, COLOR SHALL BE WHITE.
13. PROVIDE ALL NECESSARY STRUCTURAL STEEL FOR INSTALLATION OF UNIT.

UNITARY INFRARED HEATER SCHEDULE

TAG	MANUFACTURER	MODEL	DESCRIPTION	MAX. INPUT	MIN. LENGTH	ELECTRICAL DATA	TUBE MATERIAL	FUEL	REMARKS/ACCESSORIES
UIH-1	ROBERTS GORDON	CTH3-80	VANTAGE MODULATING	80,000 BTUH	20 FEET STRAIGHT TUBE	1.3A RUN-120/1Φ 4.8A START-120/1Φ	ALUMINIZED 4"Φ	NATURAL GAS	1, 2, 3, 4, 5, 6, 7, 8
UIH-2	ROBERTS GORDON	CTH3-80	VANTAGE MODULATING	80,000 BTUH	20 FEET STRAIGHT TUBE	1.3A RUN-120/1Φ 4.8A START-120/1Φ	ALUMINIZED 4"Φ	NATURAL GAS	1, 2, 3, 4, 5, 6, 7, 8
UIH-3	ROBERTS GORDON	CTH3-80	VANTAGE MODULATING	80,000 BTUH	20 FEET STRAIGHT TUBE	1.3A RUN-120/1Φ 4.8A START-120/1Φ	ALUMINIZED 4"Φ	NATURAL GAS	1, 2, 3, 4, 5, 6, 7, 8
UIH-4	ROBERTS GORDON	CTH3-80	VANTAGE MODULATING	80,000 BTUH	20 FEET STRAIGHT TUBE	1.3A RUN-120/1Φ 4.8A START-120/1Φ	ALUMINIZED 4"Φ	NATURAL GAS	1, 2, 3, 4, 5, 6, 7, 8
UIH-5	ROBERTS GORDON	CTH3-150	VANTAGE MODULATING	150,000 BTUH	40 FEET STRAIGHT TUBE	1.3A RUN-120/1Φ 4.8A START-120/1Φ	ALUMINIZED 4"Φ	NATURAL GAS	1, 2, 3, 4, 5, 6, 7, 8
UIH-6	ROBERTS GORDON	CTH3-150	VANTAGE MODULATING	150,000 BTUH	40 FEET STRAIGHT TUBE	1.3A RUN-120/1Φ 4.8A START-120/1Φ	ALUMINIZED 4"Φ	NATURAL GAS	1, 2, 3, 4, 5, 6, 7, 8

REMARKS/ACCESSORIES:
1. PROVIDE WITH SIDE REFLECTOR SHIELDS.
2. PROVIDE ALL REQUIRED TUBING, REFLECTORS AND HANGERS AS REQUIRED.
3. PROVIDE WITH DOUBLE PORCELAIN COATED CONDENSING HEAT EXCHANGER TAILPIPE.
4. PROVIDE STANDARD CONTROL PANEL WITH 24 VOLT THERMOSTATS.
5. PROVIDE WITH HOT SURFACE IGNITION SYSTEM.
6. PROVIDE 24 VOLT PROGRAMMABLE MODULATING THERMOSTAT WITH METAL COVER.
7. PROVIDE WITH 4"Φ FLUE AND COMBUSTION AIR VENT TERMINAL.
8. PROVIDE WITH 3/4" GAS CONNECTION.

C

ROOF TOP UNIT SCHEDULE

TAG	MAKE	MODEL	TONS	EVAP. FAN DATA						DX COOLING COIL				COMPRESSOR		CONDENSER FAN		NATURAL GAS FURNACE			EER	EXHAUST FAN DATA					UNIT ELECTRICAL DATA	
				CFM	O/A CFM	E.S.P.	HP	RPM	VOLTAGE	TOTAL MBH	SENS. MBH	E.A.T. DB/WB	L.A.T. DB/WB	QTY	RLA	QTY	FLA	INPUT MBH	OUTPUT MBH	STAGES		CFM	E.S.P.	HP	RPM	VOLTAGE	M.C.A.	M.O.C.P.
RTU-1	TRANE	YHC067E4RHA	5	2,000	600	.95	1	1132	480V/3Φ	60.32	46.99	81°/67°	54°/57°	1	7.6	1	1.0	130	104	1	13	-	-	-	-	120V/1Φ	15	20
RTU-2	TRANE	YHC120F4RHA	10	4,000	1,200	1.0	2.75	1478	480V/3Φ	114.48	97.21	81°/67°	58°/57°	2	8.2/6.0	1	1.5	250/175	200/140	2	12.4	-	-	.87	1075	120V/1Φ	22	25

NOTES:
1. BALANCE UNIT TO PROVIDE SUPPLY AIR FLOW RATES SHOWN ON PLANS.
2. DX COOLING WITH INDIRECT FIRED NATURAL GAS HEAT.
3. VERTICAL DISCHARGE AND VERTICAL RETURN. (VERTICAL RETURN FOR RTU-1 ONLY)
4. 2" MERV 8 HIGH EFFICIENCY, THROWAWAY FILTER.
5. 0-100% OUTSIDE AIR ECONOMIZER CONTROL WITH MODULATING OUTSIDE AND RETURN AIR DAMPERS.
6. POWERED EXHAUST: DIRECT DRIVE WITH VFD AND GRAVITY DAMPER.
7. FACTORY POWERED GROUND FAULT CONVENIENCE OUTLET.
8. PROVIDE UNIT WITH SINGLE ZONE VAV CONTROLS
9. PROVIDE UNIT WITH FACTORY-MOUNTED DISCONNECT SWITCH.
10. PROVIDE UNIT WITH STANDARD SERVICE ACCESS.
11. PROVIDE UNIT WITH STAINLESS STEEL DRIP PAN.
12. PROVIDE UNIT WITH CONDENSER HAILGUARD.
13. PROVIDE UNIT WITH 5:1 TURNDOWN.
14. PROVIDE UNIT WITH 7-DAY PROGRAMMABLE THERMOSTAT.
15. PROVIDE MODULATING HOT GAS REHEAT.
16. PROVIDE UNIT WITH SUPPLY DISCHARGE AIR SENSOR.
17. PROVIDE UNIT WITH 12" HIGH FLAT ROOF CURB.
18. DIRECT DRIVE 2-STAGE HERMETIC COMPRESSOR.
19. 1-YEAR PARTS ONLY WARRANTY.
20. 1-YEAR LABOR DX GAS HEAT OR COOLING ONLY WARRANTY.
21. FACTORY STARTUP BY MANUFACTURER REPRESENTATIVE.
22. SMOKE DETECTOR SHALL BE PROVIDED AND INSTALLED BY THE E.C.
23. PROVIDE RAIN HOODS AT OUTDOOR AIR AND RELIEF AIR OPENINGS.
24. PROVIDE APR VALVE ON EACH COMPRESSOR CIRCUIT.
25. PROVIDE WITH DIGITAL SCROLL COMPRESSORS.

C

DIFFUSER, REGISTER & GRILLE SCHEDULE

TAG	MANUFACTURER	MODEL	CFM RANGE	SERVICE	NECK SIZE	FACE SIZE	PRESS. DROP	PATTERN	THROW	STYLE	MAX NC	MATERIAL	REMARKS/ACCESSORIES
A	ANEMOSTAT	HPX-41	40-120	SUPPLY	6"x6" 6"Φ	24"x24"	0.10"	4-WAY	2'-7'	LAY-IN	20	ALUMINUM	HIGH PERFORMANCE WITH DIFFUSING VANES AND OPPOSED BLADE DAMPER
B	ANEMOSTAT	HPX-41	125-225	SUPPLY	9"x9" 8"Φ	24"x24"	0.06"	4-WAY	3'-8'	LAY-IN	20	ALUMINUM	HIGH PERFORMANCE WITH DIFFUSING VANES AND OPPOSED BLADE DAMPER
C	ANEMOSTAT	HPX-41	230-325	SUPPLY	12"x12" 10"Φ	24"x24"	0.06"	4-WAY	3'-9'	LAY-IN	20	ALUMINUM	HIGH PERFORMANCE WITH DIFFUSING VANES AND OPPOSED BLADE DAMPER
D	ANEMOSTAT	6C50	50-445	RETURN/ EXHAUST	12"x12"	14"x14"	0.01"	EGGCRATE	-	SURFACE	20	ALUMINUM	1/2 x 1/2 x 1/2 CORE, OPPOSED BLADE DAMPER
E	ANEMOSTAT	6C50	500-950	RETURN	18"x18"	20"x20"	0.01"	EGGCRATE	-	SURFACE	20	ALUMINUM	1/2 x 1/2 x 1/2 CORE, OPPOSED BLADE DAMPER
F	ANEMOSTAT	6C5L	955-2000	TRANSFER	24"x24"	24"x24"	0.01"	EGGCRATE	-	LAY-IN	20	ALUMINUM	1/2 x 1/2 x 1/2 CORE
G	ANEMOSTAT	X2H	350	SUPPLY	16"x10"	16"x10"	0.01"	2-WAY	5'-9'	SURFACE	20	ALUMINUM	3/4" SPACING DOUBLE DEFLECTION
H	ANEMOSTAT	115L	6500	SUPPLY	40"x48"	40"x48"	0.1"	1-WAY	50'	SURFACE	20	STEEL	1-1/2" SPACING SINGLE DEFLECTION
I	ANEMOSTAT	115L	1700	SUPPLY	22"x18"	22"x18"	0.1"	1-WAY	-	SURFACE	20	STEEL	1-1/2" SPACING SINGLE DEFLECTION
J	ANEMOSTAT	115L	1700	RETURN	24"x18"	22"x18"	0.1"	1-WAY	-	SURFACE	20	STEEL	1-1/2" SPACING SINGLE DEFLECTION
K	ANEMOSTAT	6C5	50-445	RETURN	12"x12"	14"x14"	0.01"	EGGCRATE	-	SURFACE	20	ALUMINUM	1/2 x 1/2 x 1/2 CORE,
D/L	--	--	50/500	TRANSFER	20"x18"	22"x20"	0.01"	LOUVER	-	SURFACE	--	STEEL	DOOR LOUVER PROVIDE BY G.C.

NOTES:
1. ALL FRAME STYLES SHALL BE COORDINATED WITH CEILING/WALL TYPES.
2. FINISH - BAKED ENAMEL. COLOR AS SELECTED BY THE ARCHITECT.
3. COORDINATE EXACT LOCATION WITH ARCHITECTURAL REFLECTED CEILING PLANS.
4. PROVIDE SQUARE TO ROUND NECK ADAPTORS FOR DIFFUSERS AS REQUIRED.
5. PAINT INSIDE OF DUCT, VISIBLE AT RETURN AND EXHAUST REGISTERS FLAT BLACK.

C

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PROJ. No: 499-010 SCALE:

DWG. NO: M-401 C

CAD FILE: N:\2021\21033\MEP\21033 M-401.DWG

SHEET SIZE: D-24x36 REV

ELECTRIC CABINET HEATER SCHEDULE

TAG	MANUFACTURER	MODEL	TYPE	SIZE	KW	MBH	CFM	AMPS	VOLTAGE/PHASE	AREA SERVED	REMARKS
ECH-1	BERKO	CUH835	WALL MOUNTED	26-3/8"H x 35"L x 9-3/4"D	5	17.0	250	7	480V/3Φ	STAIRS 115	1, 2, 3, 4, 5
ECH-2	BERKO	CUH835	WALL MOUNTED	26-3/8"H x 35"L x 9-3/4"D	5	17.0	250	7	480V/3Φ	STAIRS 203	1, 2, 3, 4, 5
ECH-3	BERKO	CUH835	WALL MOUNTED	26-3/8"H x 35"L x 9-3/4"D	5	17.0	250	7	480V/3Φ	AREA 2	1, 2, 3, 4, 5

REMARKS:
1. PROVIDE UNIT WITH BUILT-IN 2 STAGE THERMOSTAT.
2. PROVIDE UNIT WITH A THERMAL CUTOUT AND MANUAL RESET.
3. PROVIDE UNIT WITH INTERNAL FACTORY DISCONNECT SWITCH.
4. PROVIDE WITH FRONY DISCHARGE AND BOTTOM RETURN.
5. COLOR SHALL BE WHITE BAKED ENAMEL.

ELECTRIC UNIT HEATER SCHEDULE

TAG	MANUFACTURER	MODEL	TYPE	SIZE	KW	MBH	CFM	AMPS	VOLTAGE/PHASE	AREA SERVED	REMARKS
EUH-1	BERKO	HUHAA-548	WALL MOUNTED	16"Hx14"Wx8-1/2"D	5	17.0	350	6.0	480V/3Φ	ELECTRICAL 113	1, 2, 3, 4, 5, 6
EUH-2	BERKO	HUHAA-748	WALL MOUNTED	21-3/4"Hx19"Wx8-1/2"D	7.5	25.5	650	9.0	480V/3Φ	COMPRESSOR ROOM 111	1, 2, 3, 4, 5, 6
EUH-3	BERKO	HUHAA-548	WALL MOUNTED	16"Hx14"Wx8-1/2"D	5	17.0	350	6.0	480V/3Φ	SPRINKLER ROOM 102	1, 2, 3, 4, 5, 6
EUH-4	BERKO	HUHAA-1048	WALL MOUNTED	21-3/4"Hx19"Wx8-1/2"D	10	34.1	650	12.0	480V/3Φ	SPRINKLER ROOM 170	1, 2, 3, 4, 5, 6

REMARKS:
1. PROVIDE 24 VOLT WALL MOUNTED THERMOSTAT.
2. PROVIDE 2-STAGE ELEMENT.
3. PROVIDE POWER DISCONNECT SWITCH.
4. PROVIDE WITH WALL MOUNTING BRACKET.
5. PROVIDE WITH LOW VOLTAGE CONTROL TRANSFORMER.
6. COLOR SHALL BE BLACK BAKED ENAMEL.

SPLIT-SYSTEM AIR CONDITIONING SCHEDULE

INDOOR UNIT									OUTDOOR CONDENSING UNIT								
TAG	MAKE	MODEL	AREA SERVED	CFM	COOLING TOT MBH	COOLING E.A.T. DB/WB	COOLING L.A.T. DB/WB	ELEC.	MCA	TAG	MAKE	MODEL	NOM. TONS	MIN. SEER	ELEC.	MCA	MOCP	ACCESSORIES / REMARKS
AC-1	MITSUBISHI	PEA-A12AA6	IT CLOSET 210	350	12.0	80/67	55/54	208v/1Φ	1.0	CU-1	MITSUBISHI	PUY-A12NHA6	1.0	14.0	208v/1Φ	13	15	1, 2, 3, 4, 5, 6, 7, 8

ACCESSORIES / REMARKS:
1. UNITS SHALL BE CAPABLE OF OPERATING AT 0°F TO 115°F.
2. COOLING CAPACITY BASED ON 115°F OUTDOOR AIR TEMPERATURE.
3. PROVIDE WITH WIND BAFFLE.
4. REFRIGERANT SHALL BE R410A.
5. PROVIDE A MITSUBISHI #PAR-21MAA WALL MOUNTED CONTROLLER FOR EACH UNIT.
6. PROVIDE REFRIGERANT PIPING SIZES PER MANUFACTURER.
7. INSTALL CONDENSING UNITS ON EQUIPMENT SUPPORT CURBS, LOCATED ON ROOF.
8. PROVIDE INDOOR UNITS WITH INTEGRAL CONDENSATE PUMPS.
9. PROVIDE WITH FILER BOX AND 1" MERV 8 FILTER.

EXHAUST FAN SCHEDULE

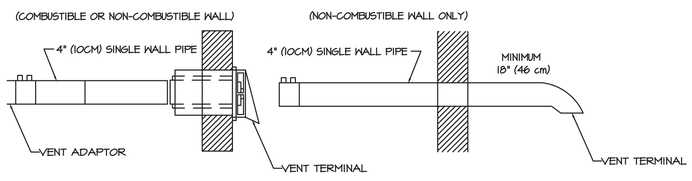
TAG	AREA SERVED	MANUFACTURER	MODEL	TYPE	DRIVE	CFM	S.P.	RPM	MOTOR HP OR WATTS	ELECTRICAL DATA	SONES	TYPE OF CONTROL	REMARKS/ACCESSORIES
EF-1	ADMIN BUILDING	GREENHECK	GB-141-5	CENTRIF.	BELT	1,475	.75	1,260	1/2	480V/3Φ	10	INTERLOCK WITH RTU-1	1, 2, 3
EF-2	ELECTRIC ROOM	GREENHECK	SQ-90	INLINE	DIRECT	500	.375	1,625	1/6	120V/1Φ	8.0	REVERSE ACTING THERMOSTAT	4, 5, 6, 9, 10, 11, 12, 13
EF-3	AREA 1 (TIPPING)	GREENHECK	RBU-3L 36-60	ROOF	BELT	16,500	0.5	1,181	3.0	460V/3Φ	-	ON/OFF VIA WALL CONTROL PANEL	1, 2, 3, 4, 7, 8
EF-4	AREA 2 (PROCESSING)	GREENHECK	RBU-2H 36-60	ROOF	BELT	12,175	0.5	1,181	2.0	460V/3Φ	-	2 SPEED FAN CONTROL VIA WALL MOUNTED CONTROL PANEL	1, 2, 3, 4, 7, 8
EF-5	AREA 4 (STORAGE)	GREENHECK	RBU-3L 36-60	ROOF	BELT	16,500	0.5	1,181	3.0	460V/3Φ	-	2 SPEED FAN CONTROL VIA WALL MOUNTED CONTROL PANEL	1, 2, 3, 4, 7, 8
EF-6	AREA 5 (TIPPING)	GREENHECK	RBU-2H 36-60	ROOF	BELT	12,175	0.5	1,181	2.0	460V/3Φ	-	ON/OFF VIA WALL CONTROL PANEL	1, 2, 3, 4, 7, 8
EF-7	COMPRESSOR ROOM	GREENHECK	GB-540-50	ROOF	BELT	25,000	0.5	350	5.0	460V/3Φ	18.7	REVERSE ACTING THERMOSTAT	1, 2, 3

REMARKS/ACCESSORIES:
1. PROVIDE WITH 12" ROOF CURB AND BIRD SCREEN.
2. PROVIDE WITH DISCONNECT SWITCH AND MOTOR STARTER.
3. PROVIDE SPRING LOADED BACKDRAFT DAMPER.
4. PROVIDE WITH 1/2" ACCOUSTIGALLY INSULATED HOUSING.
5. PROVIDE WITH VARIABLE SPEED VARI-GREEN MOTOR. OPERATES ON AC POWER THAT'S CONVERTED TO DC.
6. SUPPORT UNIT FROM STRUCTURE ABOVE WITH STEEL RODS AND SPRING VIBRATION ISOLATORS.
7. PROVIDE ROOF CURB ADAPTOR.
8. PROVIDE WITH A SPARE SET OF BELTS.
9. PROVIDE WITH INLET AND OUTLET DUCT COLLARS.
10. PROVIDE WITH FACTORY MOUNTED DISCONNECT SWITCH.
11. PROVIDE WITH GRAVITY BACKDRAFT DAMPER.
12. PROVIDE WITH DIAL ON MOTOR CONTROL AND CONTROL WIRE INPUTS.
13. PROVIDE WITH INLET GUARD.

LOUVER SCHEDULE

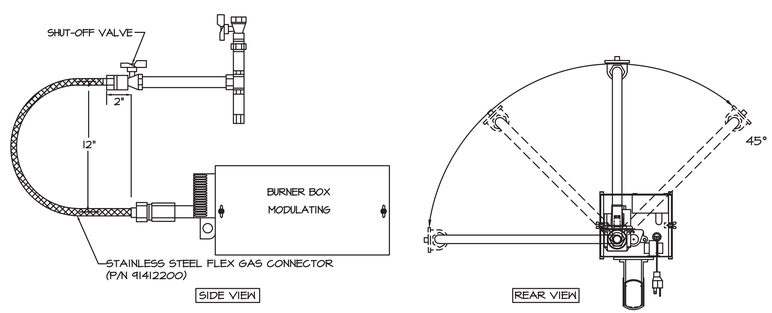
TAG	MAKE	MODEL	CFM	SIZE W x H x D	FREE AREA SQ. FT.	STATIC PRESS.	SERVICE	MATERIAL	REMARKS
L-1	GREENHECK	ESD-603	6,475	48"x48"x6"	8.53	0.1	INTAKE	ALUMINUM	DRAINABLE STATIONARY BLADE WITH BIRDSCREEN
L-2	GREENHECK	ESD-603	15,000	72"x72"x6"	20.13	0.1	INTAKE	ALUMINUM	DRAINABLE STATIONARY BLADE WITH BIRDSCREEN
L-3	GREENHECK	ESD-603	16,500	108"x60"x6"	24.94	0.1	INTAKE	ALUMINUM	DRAINABLE STATIONARY BLADE WITH BIRDSCREEN
L-4	GREENHECK	ESD-603	12,175	72"x60"x6"	16.54	0.1	INTAKE	ALUMINUM	DRAINABLE STATIONARY BLADE WITH BIRDSCREEN
L-5	GREENHECK	ESD-603	500	18"x18"x6"	.86	0.1	INTAKE/ EXHAUST	ALUMINUM	DRAINABLE STATIONARY BLADE WITH BIRDSCREEN

NOTES:
1. LOUVERS SHALL BE CAULKED WEATHERTIGHT ALL AROUND. COORDINATE CAULKING WITH G.C.
2. LOUVERS SHALL BE FURNISHED WITH ALUMINUM BIRDSCREEN.
3. FINISH AND COLOR OF THE LOUVER SHALL BE AS SELECTED BY THE ARCHITECT.
4. PROVIDE LOUVER FLANGE AS REQUIRED.



NOTES:
1. REFER TO INSTALLATION, OPERATION AND SERVICE MANUAL FOR PROPER DESIGN.
2. 2. IN COMBUSTIBLE OR NON-COMBUSTIBLE WALLS, USE INSULATED VENT TERMINAL. FOLLOW VENT MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION.
3. 4" (10 CM) O.D. VENT PIPE, MAXIMUM 45 FT.(13.7M) IN LENGTH MAY BE USED AS SHOW ABOVE WITH AN APPROVED VENT CAP. NOTE: CONDENSATE MAY DEVELOP WHEN LONG VENT PIPES ARE USED. IT IS RECOMMENDED THAT THE PIPE LENGTH SHOULD BE LESS THAN 20' (6M).
4. 4. WHEN HEATER LENGTHS BEYOND MINIMUM HEATER LENGTHS ARE USED THEY DIRECTLY EFFECT MAXIMUM VENT LENGTH. REFER TO INSTALLATION, OPERATION, AND SERVICE MANUAL FOR REQUIREMENTS.
5. 5. VENT TERMINAL MUST BE INSTALLED AT A HEIGHT SUFFICIENT TO PREVENT BLOCKAGE BY SNOW. BUILDING MATERIALS MUST BE PROTECTED FROM DEGRADATION BY VENT GASES.

1 M-402 HORIZONTAL VENTING CONFIGURATIONS (VANTAGE MOD.)
SCALE: NO SCALE



NOTES:
1. GAS PIPE WORK MUST BE INSTALLED AND TESTED IN ACCORDANCE WITH UNITED STATES ANSI Z 223.1/NFPA 54 LATEST ADDITION AND CANADA-CSA-B149.1
2. INSTALL THE FLEX GAS CONNECTOR AS SHOWN. THE FLEX GAS CONNECTOR ACCOMMODATES EXPANSION OF THE HEATING SYSTEM AND ALLOWS FOR EASY INSTALLATION AND SERVICE OF THE BURNER.
3. SHUT-OFF VALVE MUST BE PARALLEL TO BURNER INLET. THE 2" (5CM) DISPLACEMENT SHOWN IS FOR THE COLD CONDITION. THIS DISPLACEMENT MAY REDUCE WHEN THE SYSTEM IS FIRED.

2 M-402 GAS CONNECTION DETAIL (VANTAGE MOD.)
SCALE: NO SCALE

PROJECT
PROJECT
NORTH
KEY PLAN
AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

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REV	DESCRIPTION	DATE	BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21	BJZ	RGL
B	REVISED FOR RFP ADDENDUM 4	8/27/21	BJZ	RGL
A	ISSUED FOR RFP	7/30/21	BJZ	RGL

RRT Engineering , LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

Rockland Green
ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

SCHEDULES AND DETAILS

STATE OF NEW YORK
MICHAEL BRYTON BRIZZI
083339
LICENSED PROFESSIONAL ENGINEER
N.Y. P.E. LICENSE No. 083339

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	BY	DATE
DRAWN	BJZ	7/30/21
CHECKED		
DESIGNED	BJZ	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE:
DWG. NO: M-402 C
CAD FILE: N:\2021\21033\MEP\21033 M-402.DWG
SHEET SIZE: D-24x36 REV

ROCKLAND GREEN MRF FACILITY IMPROVEMENTS

CONTRACT NO. 4 - PLUMBING

420 TORNE VALLEY ROAD HILLBURN NY 10931

Rockland Green Reduce Recycle Recover

OWNER:

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ph: 631-756-1060 fax: 631-756-1064

OWNER ENGINEER:

ANDERSON DESIGN GROUP
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MECHANICAL, ELECTRICAL AND PLUMBING ENGINEER:

STERLING
Sterling Environmental Engineering, P.C.

CIVIL ENGINEER:

LEGEND:

	EXISTING CONSTRUCTION TO REMAIN	Room name 101 150 SF	ROOM DESIGNATION TAG
	EXISTING CONSTRUCTION TO BE REMOVED	1	WALL TYPE TAG
	NEW WALL	A	WINDOW TAG
		PR-1	FINISH TAG
	EXISTING DOOR TO REMAIN	88.888.88	KEY NOTE
	NEW DOOR	1 Ref, Ref, A101, Ref, 1 Ref	ELEVATION TAG
	EXISTING DOOR TO BE REMOVED		
01	DOOR TAG	1 A101 SIM	WALL/BUILDING SECTION CUT
1 A101 SIM	DETAIL TAG		

SHEET LIST TABLE

SHT.	SHEET TITLE	DRAWING DATE	100% CONSTRUCTION DOCUMENT	REVISION HISTORY 02/05/21	MM/DD/21	MM/DD/21	CURRENT REVISION Rev. #	DATE	DESCRIPTION	ISSUED (Y/N)
PLUMBING										
P-000	TITLE SHEET_PLUMBING	10/27/21	100%				C	10-27-21	ISSUED FOR CONSTRUCTION	No
P-001	LEGEND, NOTES AND DRAWING SCHEDULE	10/27/21	100%							No
PD-101	PARTIAL FIRST FLOOR PLANS – AREA 3	10/27/21	100%							No
P-101	PARTIAL FIRST FLOOR PLANS – AREA 3	10/27/21	100%							No
P-102	PARTIAL SECOND FLOOR PLANS – AREA 3	10/27/21	100%							No
P-103	PARTIAL FIRST FLOOR PLAN – WATER AREA 1, 2	10/27/21	100%							No
P-104	PARTIAL FIRST FLOOR PLAN – SANITARY AREA 4-6	10/27/21	100%							No
P-105	ROOF PLAN - PLUMBING	10/27/21	100%							No
P-301	GAS LOADS AND RISER DIAGRAM	10/27/21	100%							No

C
C

ABBREVIATIONS:

AB.	ANCHOR BOLT	MAT.	MATERIAL
A.C.T.	ACOUSTICAL CEILING TILE	MAX.	MAXIMUM
A.F.F.	ABOVE FINISH FLOOR	MECH.	MECHANICAL
APPX.	APPROXIMATE	MIN.	MINIMUM
ARCH.	ARCHITECT	MIR.	MIRROR
BSMT.	BASEMENT	MISC.	MISCELLANEOUS
BM	BEAM	MTL	METAL
BD	BOARD	NOM.	NOMINAL
BOT.	BOTTOM	N.T.S	NOT TO SCALE
BLDG.	BUILDING	O.C.	ON CENTER
CAB.	CABINET	O.H.	OVERHEAD
CLG.	CEILING	PTD.	PAINTED
C.T.	CERAMIC TILE	P. LAM.	PLASTIC LAMINATE
CIR.	CIRCLE	PL.	PLATE
COL	COLUMN	P.S.F.	POUNDS PER SQ. FOOT
C.J.	CONTROL JOINT	P.S.I.	POUNDS PER SQ. INCH.
CORR.	CORRIDOR	PREFAB	PREFABRICATED
D.L.	DEAD LOAD	P.T.	PRESSURE TREATED (WOOD)
DTL.	DETAIL	RAD.	RADIUS
DIAM.	DIAMETER	RLG.	RAILING
DIM.	DIMENSION	REF.	REFRIGERATOR
D.W.	DISHWASHER	REINF.	REINFORCE(ED), (ING)
D.H.	DOUBLE HUNG	REV.	REVIS(ION), (E), (ED)
D.S.	DOWNSPOUT	R.	RISER
DWG.	DRAWING	RFG.	ROOFING
ELEC.	ELECTRICAL	RM.	ROOM
ELEV.	ELEVATION	SEC.	SECTION
EQ.	EQUAL	SHTHG.	SHEATHING
EXIST.	EXISTING	SHT.	SHEET
EXT.	EXTERIOR	SIM	SIMILAR
E.I.F.S	EXTERIOR INSULATED FINISH SYSTEM	S.C.	SOLID CORE
		SPEC.	SPECIFICATION
FIN.	FINISH	SQ.	SQUARE
F.P.	FIREPLACE	STD.	STANDARD
FLR	FLOOR	STO.	STORAGE
F.D.	FLOOR DRAIN	STRL.	STRUCTURAL
FTG.	FOOTING	THK	THICKNESS
FND.	FOUNDATION	THR.	THRESHOLD
FUR.	FURRED	T&G	TONGUE AND GROOVE
G.C.	GENERAL CONTRACTOR	T.O.C.	TOP OF CONCRETE
GL.	GLASS, GLAZING	T.O.B.	TOP OF BEAM
GYP.BD	GYPSUM BOARD	T.O.F.	TOP OF FOUNDATION
HDW.	HARDWARE	T.O.P.	TOP OF PLATE
HDR.	HEADER	TR	TREAD
HTG.	HEATING	TYP.	TYPICAL
HVAC	HEATING/VENTALATION/AIR CONDITIONING	UNF.	UNFINISHED
		U.O.N.	UNLESS OTHERWISE NOTED
HGT.	HEIGHT	V.B.	VAPOR BARRIER
HORZ.	HORIZONTAL	VERT.	VERTICAL
HB.	HOSE BIBB	V.I.F.	VERIFY
INS.	INSULAT(ED), (ION)	W.C.	WATER CLOSET
JT.	JOINT	W.P.	WATER PROOFING
JST.	JOIST	W.R.	WATER RESISTANT
KIT	KITCHEN	WWF.	WELDED WIRE FABRIC
LAV.	LAVATORY	WN.	WINDOW
LT.	LIGHT	W/O	WITHOUT
L.L.	LIVE LOAD	WD.	WOOD
MFR.	MANUFACTURE(R)		
MAS.	MASONRY		

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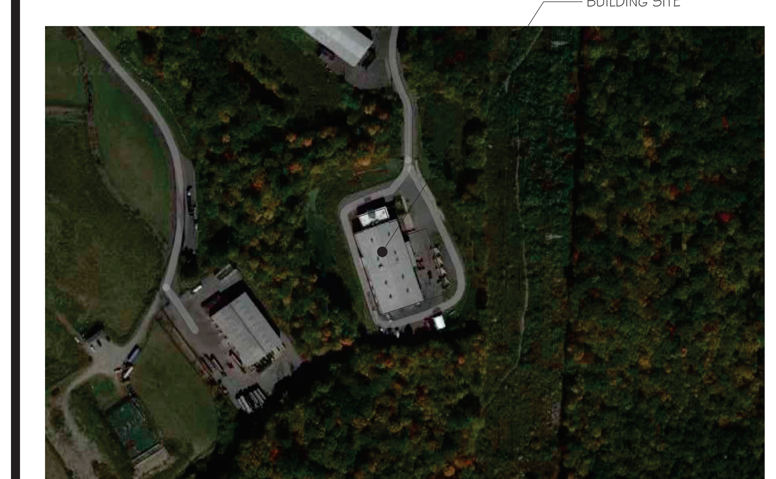
BUILDING LOCATION AERIAL

N
TRUE



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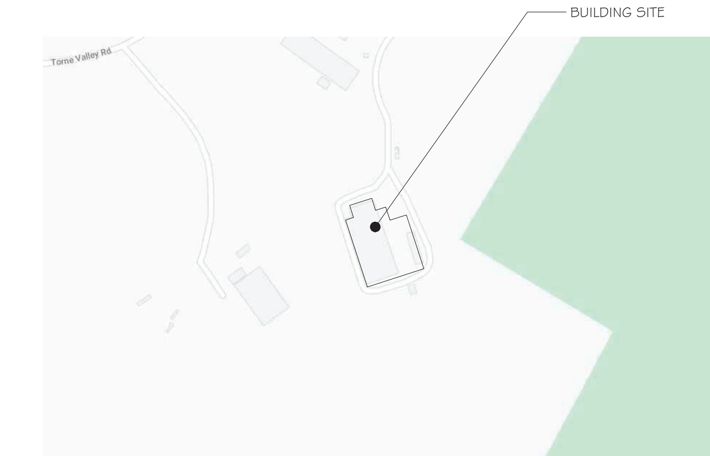
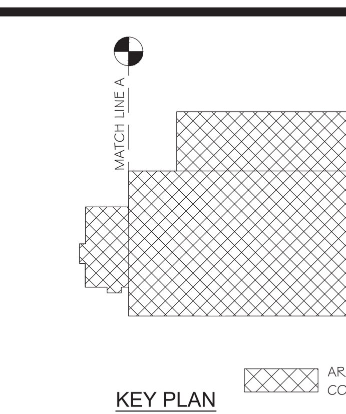
TRUE



ROCKLAND GREEN FACILITY IMPROVEMENTS PHASING NOTE

1. Rockland Green is soliciting proposals for the construction of improvements to its existing Materials Recovery Facility (MRF), as further detailed in the Drawings and Specifications. These Facility Improvements include, but are not limited to, a building addition, site work, interior demolition work, interior build-out work, electric service upgrades and reworked mechanical, plumbing, electrical, fire sprinkler and fire alarm systems to accommodate a new state-of-the-art dual stream recyclables processing system supplied and installed under Contract No. 1 - Processing Equipment.
2. The Facility Improvements are being procured through separate contracts as follows:
   - Contract No. 2 - Facility Improvements: General Construction
   - Contract No. 3 - Facility Improvements: Mechanical/HVAC
   - Contract No. 4 - Facility Improvements: Plumbing
   - Contract No. 5 - Facility Improvements: Electrical
   - Contract No. 6 - Facility Improvements: Fire Protection System
3. The building has been divided into the following area designations:
   - Area 1 - Existing Tipping Area.
   - Area 2 - Existing Processing Area.
   - Area 3 - Existing Administration Area.
   - Area 4 - New Commingled Tipping Area.
   - Area 5 - New Storage & Glass Processing Area
   - Area 6 - New Truck Loading Dock Area.
4. Work shall commence on the exterior and in the Areas 1 and 2 for its Substantial Completion to be achieved prior to the start of delivery and installation of the Dual Stream Recyclables Processing System, which is scheduled to occur early December 2021. It shall include all Work as defined in the Contract Drawings, Specifications, and RFP Appendices. It shall also include all rough- ins associated with Mechanical, Electrical, Plumbing, and Fire Protection Equipment. All final connections of Mechanical, Electrical, Plumbing and Fire Protection (including equipment fire sprinkler system) in Areas 1 and 2 shall be completed prior to the startup of processing equipment.
5. Work in Area 3 shall be sequenced to allow sufficient access and use of existing space for Contractors on- site as approved by the Engineer and the Contractors for Contract Nos. 2-6 shall achieve Substantial Completion prior to the required date for the Operator to mobilize on-site and have partial occupancy and use of Area 3. Additionally, any Work by Contract Nos. 1 and 3-6 related to all other Areas 1, 2, 4-6 and the site work/exterior shall progress and be completed to support and not delay the overall Project Schedule.
6. Contract Nos. 2-6 Work in Areas 4 - 6 shall be sequenced by each applicable Contractor to make most use and access of working space where the building erection is complete, so the work of Contract No. 1 can proceed efficiently. All work to be coordinated between the Contractors.

P R O J E C T
PROJECT
N O R T H



KEY PLAN
AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

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t.570.826.1000 f.570.825.0888 w. www.mrapc.com

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RRT Engineering, LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

STATE OF NEW YORK — MICHAEL BRITTON GILLS — No. 083339 — LICENSED PROFESSIONAL ENGINEER

N.Y. PE LICENSE No. 083339

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REV	DESCRIPTION	DATE	BY	CHK
C	ISSUED FOR CONSTRUCTION	10-27-21		
B	REVISED FOR RFP ADDENDUM 4	08-27-21		
A	ISSUED FOR RFP	07-30-21		

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ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

TITLE SHEET_PLUMBING

	BY	DATE		
DRAWN	IDEA	07/09/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED		07/09/21	DWG. NO: P-000	C
DESIGNED		07/09/21		
APPROVED		07/09/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

PLUMBING GENERAL NOTES:

1. VERIFY LOCATIONS OF EXISTING AND NEW WORK REQUIRED FOR CONSTRUCTION. MODIFY POINTS OF CONNECTION TO EXISTING SYSTEMS AS NECESSARY FOR JOB CONDITIONS. PROVIDE VALVING, PIPING AND TEMPORARY CONNECTIONS TO NEW AND EXISTING SYSTEMS AS NECESSARY FOR WORK CONTINUATION.
2. ALL EXISTING SYSTEMS NOT IN THE CONSTRUCTION PHASE SHALL REMAIN IN SERVICE. ALL SYSTEM SHUTDOWNS SHALL BE COORDINATED AND OCCUR ONLY WITH THE APPROVAL OF THE FACILITY.
3. THIS CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING MADE NECESSARY BY HIS WORK. REMOVALS SHALL BE TO BEYOND FINISHED SURFACES TO ALLOW PATCHING AND FINISHING TO MATCH ADJACENT SURFACES.
4. DEMOLITION ITEMS SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY DISPOSED OF, EXCEPT AS DIRECTED BY THE OWNERS REPRESENTATIVE.
5. COORDINATE ALL WORK WITH THE FUNCTIONS OF ADJACENT AREAS INCLUDING ABOVE AND BELOW THE PROJECT AREA. PROVIDE SLAB CUTTING AND PATCHING AS NECESSARY TO MAKE NEW CONNECTIONS TO EXISTING UNDER FLOOR SANITARY PIPING.
6. CEILINGS THAT NEED TO BE TEMPORARILY REMOVED TO ALLOW FOR THE INSTALLATION OF PIPING OR EQUIPMENT AND ARE NOT SCHEDULED TO BE REMOVED ON THE ARCHITECTURAL DRAWINGS SHALL BE REMOVED AND REPLACED BY THIS CONTRACTOR. COORDINATE THE REMOVAL AND THE REPLACEMENT WITH THE ELECTRICAL, MECHANICAL AND FIRE PROTECTION CONTRACTORS.
7. DO NOT INSTALL ANY PLUMBING WORK ABOVE ELECTRICAL PANELS.
8. DO NOT INSTALL ANY PLUMBING WORK ABOVE OR THROUGH ELEVATOR EQUIPMENT ROOM, OR DATA ROOMS UNLESS SPECIFICALLY SERVING EQUIPMENT ROOM.
9. SLEEVE AND SEAL ALL PIPE PENETRATIONS OF WALL AND FLOORS. PACK VOID BETWEEN PIPE AND SLEEVE WITH INSULATION IN NON-RATED WALL AND FLOORS. PACK VOID BETWEEN PIPE AND SLEEVE WITH INSULATION IN FIRE-RATED WALLS AND FLOORS, APPLY INTUMESCENT FIRE SAFING COMPOUND AT PENETRATION, MAINTAINING INTEGRITY AND RATING OF FIRE SEPARATION. SLEEVES THROUGH FLOORS SHALL EXTEND 2" ABOVE FLOOR, BE GROUTED INTO PLACE AND WATERPROOFED. PIPING THROUGH EXTERIOR WALLS SHALL BE SLEEVED AND SEALED WEATHER TIGHT.
10. ALL NEW EQUIPMENT INSTALLED ON THIS PROJECT CONTAINING BRASS AND/OR IN CONTACT WITH POTABLE WATER SUPPLY SHALL COMPLY WITH THE REDUCTION OF LEAD IN DRINKING WATER ACT OF 2011. NO LEAD ALLOWED.

GENERAL

- POINT OF CONNECTION TO EXISTING
- POINT OF DISCONNECTION
- HC / 1 — FIXTURE/EQUIPMENT IDENTIFICATION TAG
- 1 / FP1.1 — PLAN/DETAIL #/DRAWING NUMBER

PIPE SYMBOLS

- PIPE ELBOW UP
- PIPE TEE UP
- PIPE ELBOW DOWN
- PIPE TEE DOWN
- SOLENOID VALVE
- SA — SHOCK ARRESTOR
- FIXTURE TRAP
- FLOOR DRAIN
- BALL VALVE
- GATE VALVE
- BALANCE VALVE
- GAS SHUTOFF VALVE
- CHECK VALVE
- BUTTERFLY VALVE
- PRESSURE RELIEF VALVE
- UNION
- FLANGE
- SAN — SANITARY WASTE
- V — SANITARY VENT
- DOM. COLD WATER
- DOM. HOT WATER
- DOM. HOT WATER RECIRC.
- V — MEDICAL VACUUM
- O_2 — MEDICAL OXYGEN
- A — MEDICAL AIR
- FLEXIBLE CONNECTION
- PIPE CAP
- Y-TYPE STRAINER
- PRESSURE REDUCING VALVE
- PRESSURE GAUGE W/PETCOCK
- THERMOMETER
- PRESSURE RELIEF VALVE
- ANTI-SYPHON VALVE
- HOSE END DRAIN VALVE
- C.O. — CLEAN OUT

ABBREVIATIONS

&	AND
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CD	A.C. CONDENSATE DRAIN
CLG	CEILING
CO	CLEANOUT
CONT	CONTINUATION
CW	COLD WATER
DN	DOWN
DOM	DOMESTIC
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EX	EXISTING (ALSO EXIST.)
F	DEGREES FAHRENHEIT
FD	FLOOR DRAIN
FLCO	FLOOR CLEANOUT
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
H & CW	HOT AND COLD WATER
HP	HORSEPOWER
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HW	HOT WATER
HWR	HOT WATER RECIRCULATING
HZ	HERTZ
IN WG	INCHES WATER GAUGE
KW	KILOWATT
MBH	THOUSAND BTU
ORD	OVERFLOW ROOF DRAIN
PD	PRESSURE DROP
PH	PHASE
PSI (G)	POUNDS PER SQUARE INCH (GAUGE)
RAC	RUN ABOVE CEILING
RBF	RUN BELOW FLOOR
RIC	RUN IN CHASE
RD	ROOF DRAIN
RECIRC	RECIRCULATING
RO	ROOF OPENING
RWC	RAIN WATER CONDUCTOR
SAN	SANITARY
TYP	TYPICAL
#V	VOLTS
V	VENT
W/	WITH
WCO	WALL CLEANOUT

NOTE : THIS IS A GENERAL PLUMBING LEGEND. ALL SYMBOLS MAY NOT APPEAR ON THE PLANS. SEE PLANS FOR ACTUAL SYMBOLS USED.

PLUMBING FIXUTES SCHEDULE

TAG	FIXTURE	MANUFATURER DESIGN BASIS	MODEL #	SIZE	MATERIAL	CONNECTIONS DATA (INCHES) COLD WATER	HOT WATER	SANITARY SEWER	VENT	STORM	MOUNTING HEIGHT	NOTES
DSN	DOWNSPOUT NOZZLE	ZURN	Z199	SEE PLANS	BRONZE	-	-	-	-	SEE PLANS	NO GREATER THAN 18" AFG	
FD-1	FLOOR DRAIN	ZURN	Z415B	SEE PLANS	BRONZE	-	-	2"	1½"*	-	FLOOR MTD	4
FPHB-1	FREEZE PROOF HOSE BIBB	WOODFORD	65	-	STAINLESS STEEL	3/4"	-	NA	NA	NA	MOUNT 18" AFF	
FS-1	FLOOR SINK	ZURN	Z1902	SEE PLANS	A.R.E.	-	-	SEE PLANS	SEE PLANS	-	FLOOR MTD	4, 7
GD-1	GARBAGE DISPOSAL	INSINKERATOR	BADGER 5	½" HP	PLASTIC	-	-	1¼"	-	-	UNDER SINK	5
P-1	WALL HUNG WATER CLOSET - FV	KOHLER	K-4325	-	VITREOUS CHINA	1"	-	3"	3"	-	WALL MOUNTED	1, 8
P-1A	ADA - WALL HUNG WATER CLOSET - FV	KOHLER	K-4325	-	VITREOUS CHINA	1"	-	3"	3"	-	ADA HEIGHT AND CLEARANCES	1
P-2	WALL HUNG URINAL - FV	KOHLER	K-5016-ETSS	-	VITREOUS CHINA	3/4"	-	3"	3"	-	WALL MOUNTED	1. 9
P-2A	ADA - WALL HUNG URINAL - FV	KOHLER	K-5016-ETSS	-	VITREOUS CHINA	3/4"	-	3"	3"	-	ADA HEIGHT AND CLEARANCES	1, 9
P-3	WALL HUNG LAVATORY	KOHLER	K-1722	19¼"x17¼"	VITREOUS CHINA	½"	½"	1½"	½"	-	WALL MOUNTED	2, 10
P-3A	ADA - WALLHUNG LAVATORY	KOHLER	K-1722	19¼"x17¼"	VITREOUS CHINA	½"	½"	1½"	1½"	-	ADA HEIGHT AND CLEARANCES	2, 10
P-4	KITCHEN SINK	ELKAY	CR2521	25"x22"x6-7/8"	STAINLESS STEEL	½"	½"	1½"	1½"	-	COUNTER MOUNTED	3, 11
P-5	MOB BASIN	FIAT	SB2424	24"x24"x6"	TERRAZZO	3/4"	3/4"	3"	3"	-	FLOOR MTD	12
P-6	WALL MOUNTED LAVATORY	KOHLER	K-1722	19¼"x17¼"	VITREOUS CHINA	½"	½"	1½"	1½"	-	WALL MOUNTED	2, 10
P-7	ELECTRIC WATER COOLER WITH BOTTLE FILL	HAWS	1211S	-	STAINLESS STEEL	½"	-	1½"	1½"	-	ADA HEIGHT AND CLEARANCES	6
P-8	EMERGENCY EYE WASH STATION	BRADLEY	S19224BPT	-	STAINLESS STEEL	½"	½"	1½"	1½"	-	ADA HEIGHT AND CLEARANCES	13

NOTES:
1. PROVIDE WATER SHOCK ABSORBER PER MANUFACTUERS RECOMMENDATIONS INSTURCTIONS.
2. PROVIDE TRUEBRO MODEL #102 ADA WATER SUPPLY AND SANITARY SEWER COVERS, ANGLE STOP VALVES, P-TRAP, STRAINER, ASSE 1016 THERMAL MIXING VALVE SET TO 110°F (ADJUSTABLE).
3. PROVIDE ANGLE STOP VALVES, P-TRAP, GD-1 ASSE 1016 THERMAL MIXING VALVE SET TO 110°F (ADJUSTABLE).
4. PROVIDE STATE APPROVED TRAP SEAL DEVICE.
5. PROVIDE WALL SWITCH, FACTORY DISCONNECT SWITCH, 120V/1ø. 6.3 AMPS.
6. PROVIDE FACTORY DISCONNECT SWITCH 115V/1ø, FLA = 5 AND INLINE FILTER.
7. PROVIDE SEDIMENT BASKET.
8. PROVIDE SLOAN MODEL #SOLIS 8113-1.6/1.1-OR , ANTIMICROBIAL SEAT MODEL k-4731-CA, FLOOR MOUNTED CARRIER.
9. PROVIDESLOAN MODEL #SOLIS-8186, FLOOR MOUNTED CARRIER.
10. PROVIDE FAUCETMODLE #K-13461
11. PROVIDE KOHLER MODEL # K-560 FAUCET.
12. PROVIDE 3'-0" STAINLESS STEEL WALL PROTECTORS ON WALL(S), KOHLER FAUCET MODEL #K-837T60-4A.
13. PROVIDE THERMAL MIXING VALVE SET TO (75-100°F) ADJUSTABLE, UNIT TO FAIL COLD.

* - 2" SANITARY SEWER AND VENT BELOW GRADE.

GAS WATER HEATER SCHEDULE

TAG	FIXTURE	MANUFATURER DESIGN BASIS	MODEL #	GALLONS	RECOVERY GPH @ 100°F DELTA T	CONNECTIONS DATA (INCHES) COLD WATER	HOT WATER	CA/FLUE	GAS	GAS INPUT (MBH)	VOLTS/PHASE	NOTES
WH-1	GAS WATER HEATER	AO SMITH	BTH-120 MXI	60	138	1½"	1½"	4"	3/4	120	120V/1ø	1-2

NOTES:
1. PROVIDE 6" HOUSEKEEPING/INERTIA PAD. THERMAL EXPANSION TANK AMTROL MODEL #ST-5-C.
2. PROVIDE FACTORY DISCONNECT SWITCH.

PUMP SCHEDULE

PLAN MARK	SYSTEM SERVED	TYPE	GPM	HEAD (FT)	SHUTOFF HEAD (FT)	MOTOR DATA HP	VOLTS/ø	RPM	DESIGN BASIS (F. MYERS)	NOTES
P-1	LEACHATE SYSTEM	BASE MOUNTED	25	15	137	2	460/3ø	1750	CT SERIES CTJ20	1

NOTES: 1. PROVIDE ABOVE GROUND VFD PRSSURE SYSTEM, FACTORY DISCONNECT SWITCH, 1½" INLET OUTLET HOSES QUICKCONNECT HOSES. PUMP FROM PIT LOCATED NEAR B5. PUMP TO OWNER PROVIDE 150 GALLON STORAGE TANK. PROVIDE CHECK VALVE, UNIONS, STRAINERS AND SHUT-OFF VALVES.

PLUMBING DRAWING SCHEDULE

P-001	LEGEND, NOTES AND DRAWING SCHEDULE
PD-101	AREA A FLOOR PLANS - DEMOLITION
P-101	PARTIAL FIRST FLOOR PLANS - AREA 3
P-102	PARTIAL SECOND FLOOR PLANS - AREA 3
P-103	PARTIAL FIRST FLOOR PLAN - WATER - AREA 1, 2
P-104	PARTIAL FIRST FLOOR PLAN - SANITARY - AREA 4-6
P-105	ROOF PLAN - PLUMBING
P-301	GAS LOADS AND RISER DIAGRAM

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LEGEND, NOTES AND DRAWING SCHEDULE

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DESIGNED	RVS	7/30/21
APPROVED	-	
APPROVED	-	

PROJ. No: 499-010 SCALE: NTS
DWG. NO: P-001 REV C
CAD FILE: N:\2021\21033\MEP\21033 P-001.DWG
SHEET SIZE: D-24x36

STATE OF NEW YORK MICHAEL BRITTON MILLS LICENSED PROFESSIONAL ENGINEER No. 083339
N.Y. P.E. LICENSE No. 083339

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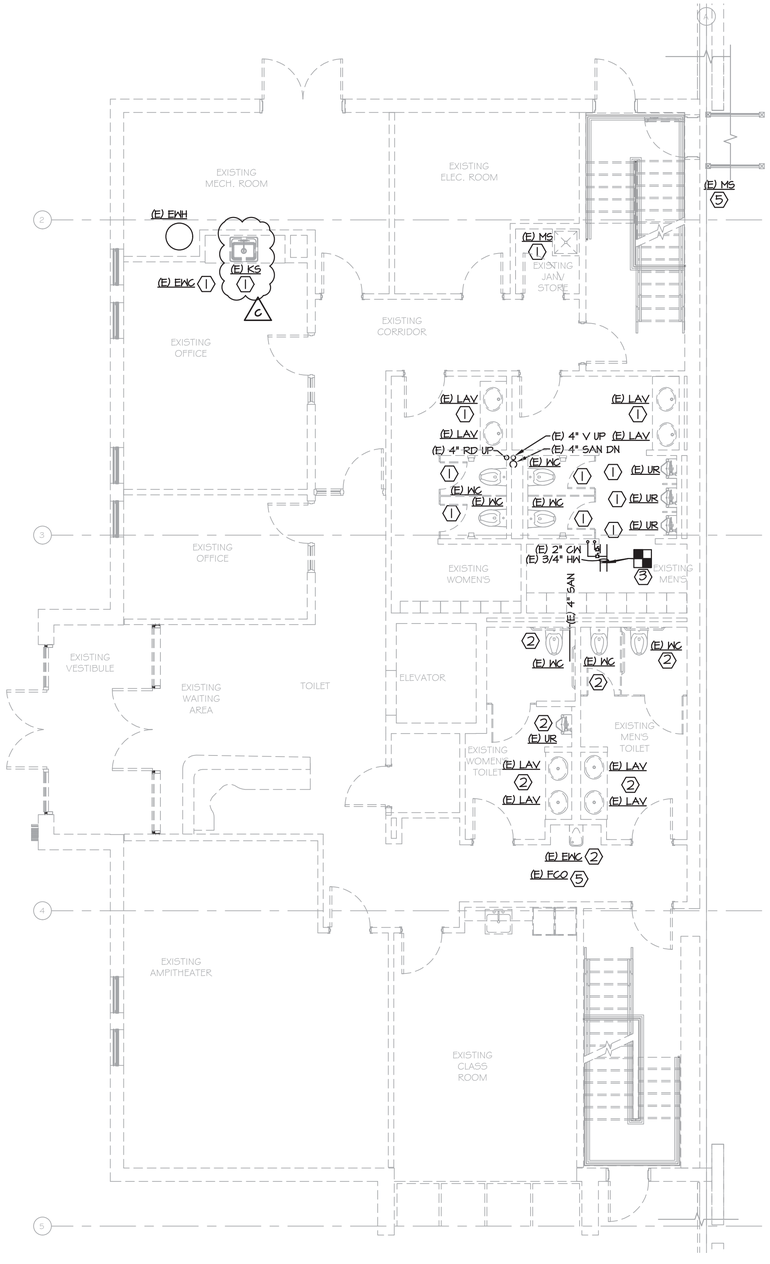
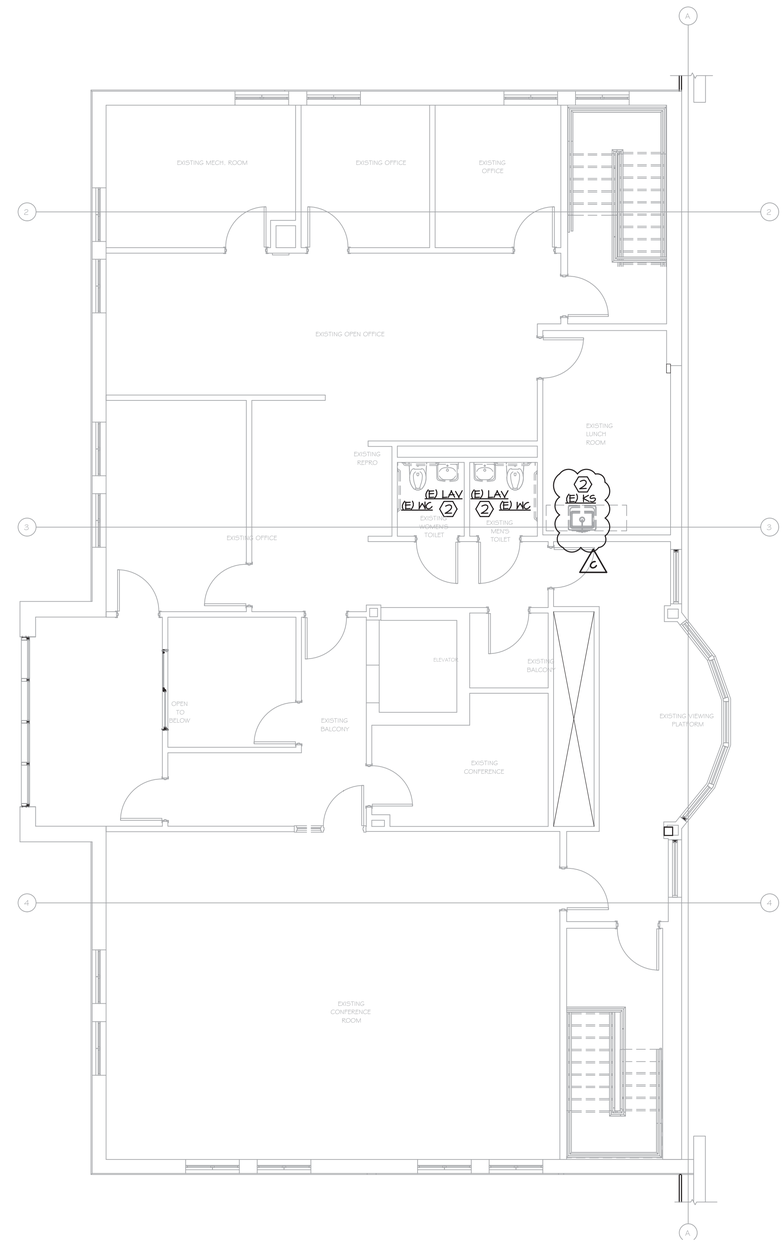


1 PARTIAL FIRST FLOOR PLAN - DEMOLITION
PD-101-BP SCALE: 3/16"=1'-0"



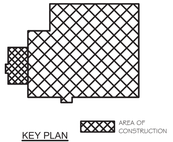
2 PARTIAL SECOND FLOOR PLAN - DEMOLITION
PD-101-BP SCALE: 3/16"=1'-0"

KEY NOTES:

1. REMOVE FIXTURES AND PREP FOR NEW FIXTURE, REPAIR/REPLACE ANY BROKEN OR WORN CONNECTIONS AS NEEDED.
2. REMOVE FIXTURE AND CONNECTIONS BACK TO MAINS, REPAIR SURFACES SEE ARCH FOR MATERIALS/FINISHES IN AREA.
3. REMOVE HOT AND COLD PIPING BACK TO THIS POINT.
4. REMOVE EXISTING MOP SINK. REMOVE H&CW BACK TO MAINS, REMOVE SANITARY AND VENT BACK TO MAINS.
5. RELOCATE EXISTING FLOOR DRAIN INTO WALL, SEE NEW PLUMBING FOR CLARIFICATION.

PROJECT

NORTH



KEY PLAN

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PARTIAL FIRST FLOOR PLANS
AREA 3

REV	DESCRIPTION	DATE BY	CHK
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Melville, N.Y. 11747
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SCALE: NTS
DWG. NO: PD-101
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CAD FILE: N:\2021\21033\MEP\21033 PD-101.DWG
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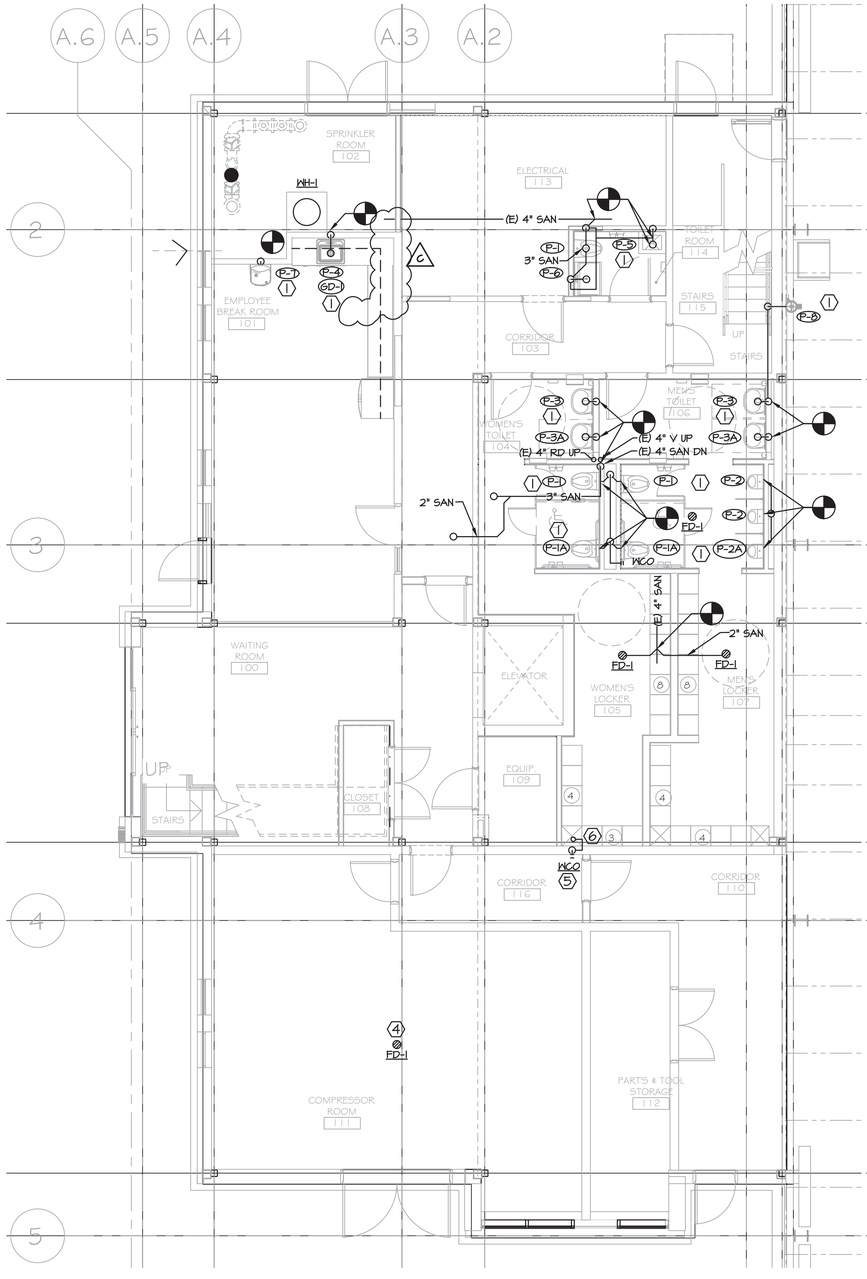
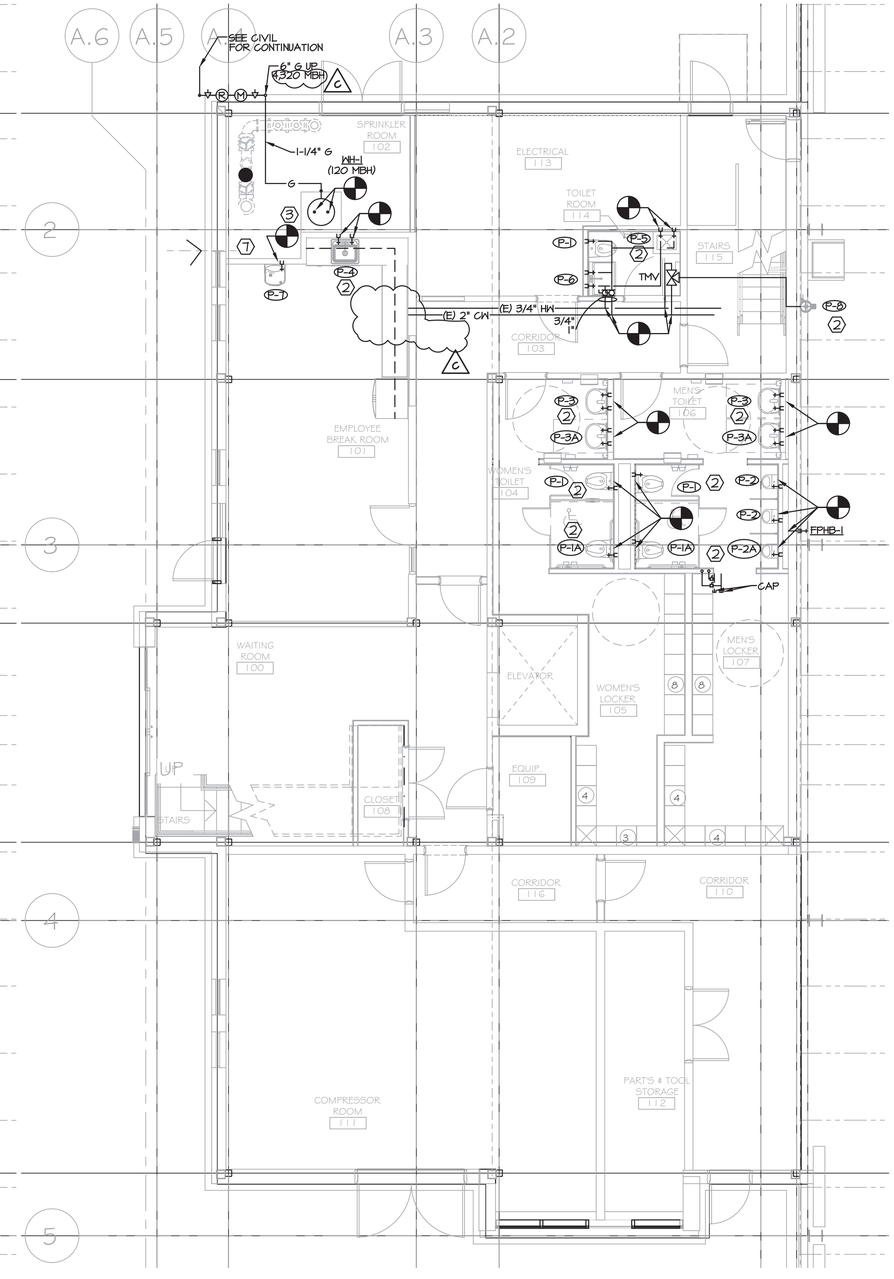


1 P-101-BP PARTIAL FIRST FLOOR PLAN - SANITARY
SCALE: 3/16"=1'-0"



2 P-101-BP PARTIAL FIRST FLOOR PLAN - WATER AND GAS PIPING
SCALE: 3/16"=1'-0"

KEY NOTES:

1. CONNECT NEW FIXTURE INTO EXISTING SANITARY SEWER AND VENT PIPING.
2. CONNECT NEW FIXTURE INTO EXISTING HOT AND COLD WATER PIPING.
3. CONNECT EXISTING HOT AND COLD, NEW 1½" GAS LINE INTO NEW WATER HEATER.
4. CONNECT INTO NEAREST 2" OR LARGER SANITARY SEWER.
5. RE-ROUTE FLOOR CLEANOUT TO WALL CLEANOUT, PATCH EXISTING IN FLOOR.
6. PROVIDE AIR GAP FOR 3/4" CONDENSATE DRAIN INTO NEW WALL CLEAN-OUT, PROVIDE ACCESS PANEL IN WALL.
7. REPLACE NON WORKING COLD WATER MAIN SHUT-OFF VALVE ONE FOR ONE.

C

GAS LOAD:

GAS APPLIANCE	GAS INPUT(MBH)
WH-1	120
UH-1 (x8)	400 EACH
UIH-1-4 (x4)	80 EACH
UIH-5-6 (x2)	150 EACH
RTU-1	130
RTU-2	250
TOTAL:	4,320 MBH OR CFH

LONGEST GAS APPLIANCE FROM METER.
UH-1 @ ~450 FT FROM METER.
SCHEDULE 40 LESS THAN 2.0 PSIG - 0.3" WC PRESSURE DROP, SG = 0.60.

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

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STATE OF NEW YORK
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LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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Rockland Green

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AREA 3

	BY	DATE
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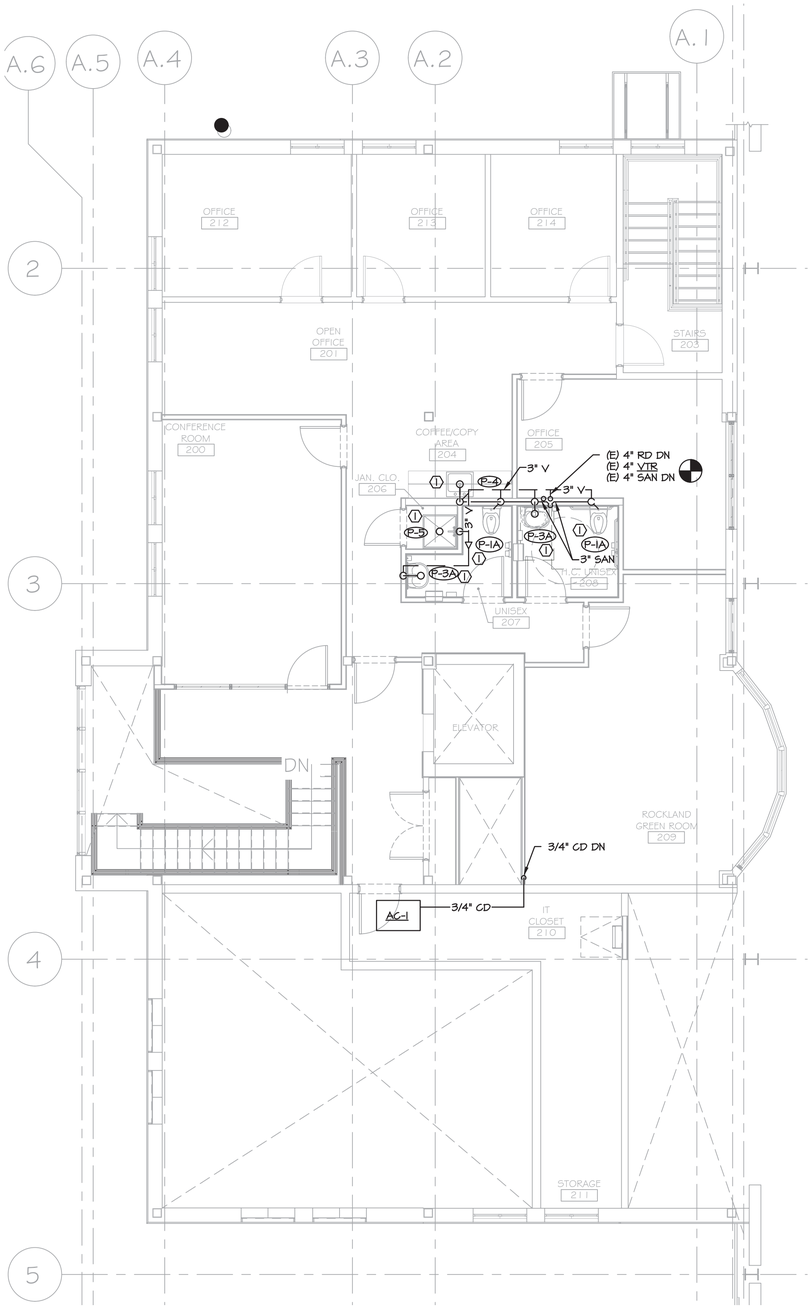
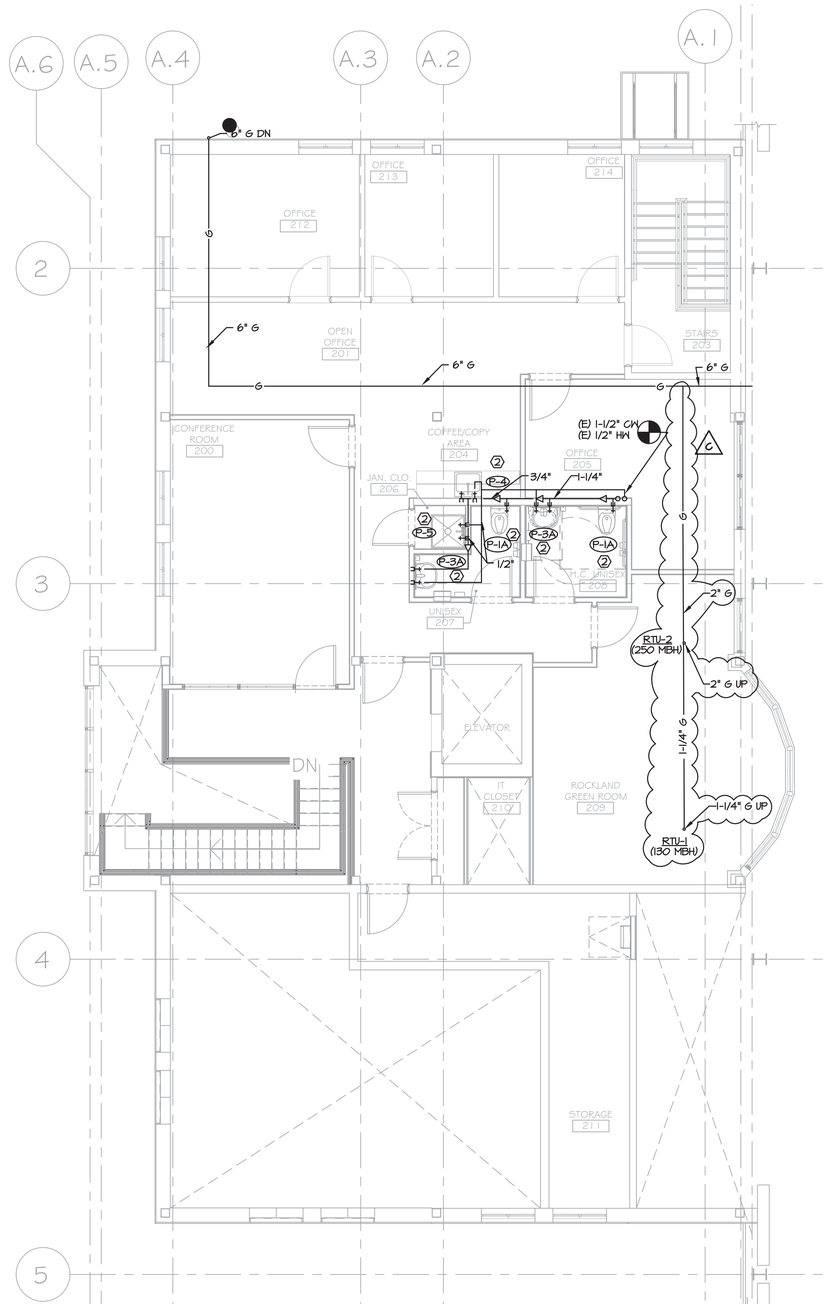


1 PARTIAL SECOND FLOOR PLAN - SANITARY
P-102-BP SCALE: 3/16"=1'-0"



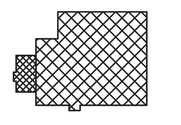
2 PARTIAL SECOND FLOOR PLAN - WATER AND GAS PIPING
P-102-BP SCALE: 3/16"=1'-0"

KEY NOTES:

1. CONNECT NEW FIXTURE INTO EXISTING SANITARY SEWER AND VENT PIPING.
2. CONNECT NEW FIXTURE INTO EXISTING HOT AND COLD WATER PIPING.

PROJECT

NORTH



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APPROVED	-	

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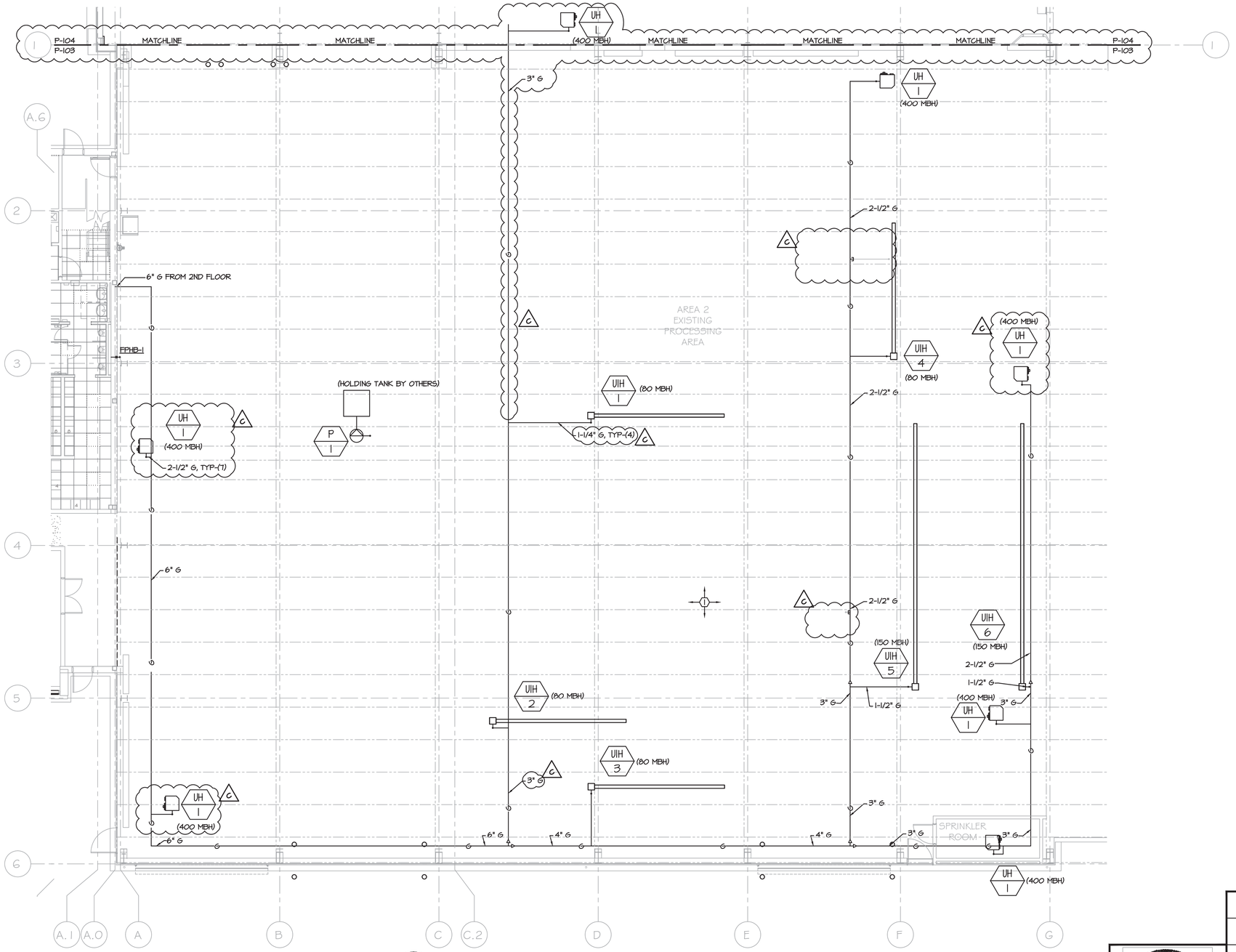
SCALE: SEE PLANS
DWG. NO: P-102
CAD FILE: N:\2021\21033\MEP\21033 P-102.DWG
SHEET SIZE: D-24x36
REV

KEY NOTES:

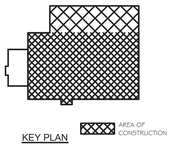
1. MOUNT GAS LINES HIGH AS POSSIBLE.
2. NOT USED.



1 P-103-BP PARTIAL FIRST FLOOR PLAN - PLUMBING PLAN
SCALE: 3/32"=1'-0"

PROJECT

NORTH



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Sterling Environmental Engineering, P.C.

martinrogers
ENGINEERING CONSULTANTS
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
t.570.826.1000 | f.570.825.0888 | w. www.mrapc.com

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O. 845.294.2724
WWW.ADGARCHITECT.COM
CONTACT@ADGARCHITECT.COM

REV	DESCRIPTION	DATE BY CHK
C	ISSUED FOR CONSTRUCTION	10/27/21 RVS RGL
B	REVISED FOR RFP ADDENDUM 4	8/27/21 RVS RGL
A	ISSUED FOR RFP	7/30/21 RVS RGL

STATE OF NEW YORK
MICHAEL BRITTON DILLY
No. 083339
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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RRT Engineering , LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

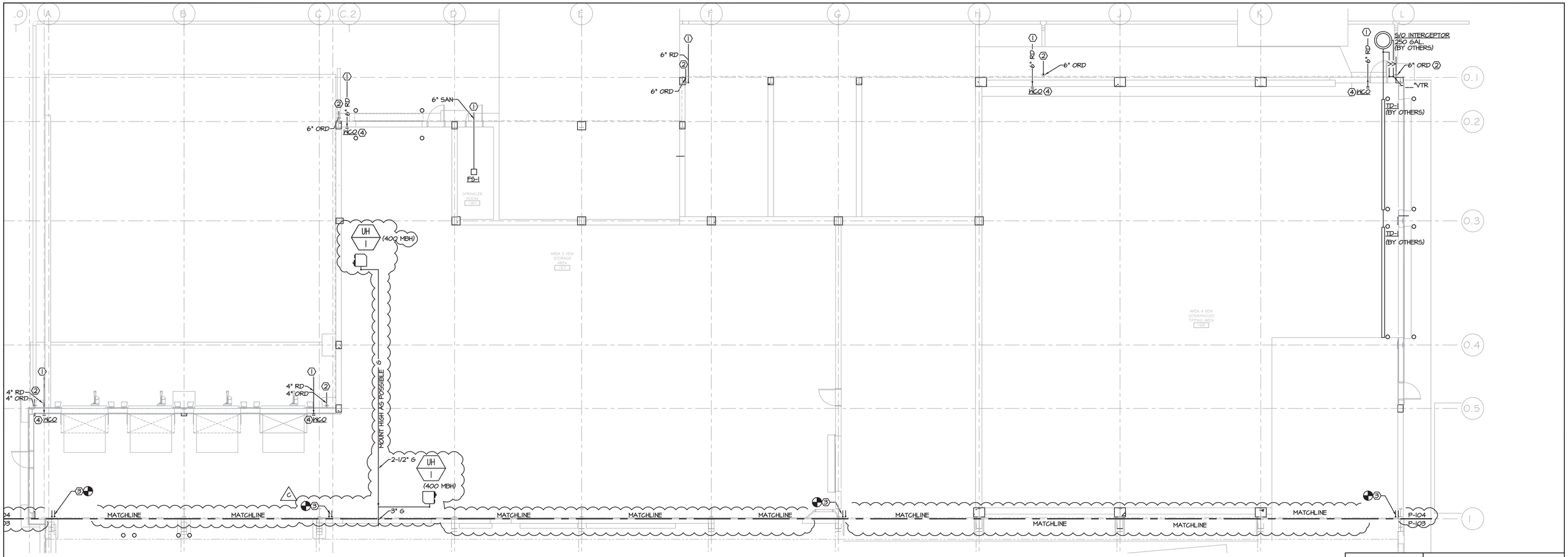
Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FIRST FLOOR PLAN
AREA 1 AND 2

	BY	DATE
DRAWN	RVS	7/30/21
CHECKED	RGL	7/30/21
DESIGNED	RVS	7/30/21
APPROVED	-	
APPROVED	-	

PROJ. No: 499-010
SCALE: SEE PLANS
DWG. NO: P-103
C
CAD FILE: N:\2021\21033\MEP\21033 P-103.DWG
SHEET SIZE: D-24x36
REV



1 PARTIAL FIRST FLOOR PLAN - SANITARY

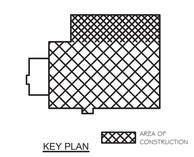
P-104-BP SCALE: 1/8"=1'-0"

KEY NOTES:

1. SEE CIVIL FOR CONTINUATION.
2. MOUNT GUTTER DISCHARGE 90° ELBOW NO HIGHER THAN 18" ABOVE FINISHED GRADE, TYPICAL.
3. EXISTING GUTTER AND OVER FLOWS DUMP ONTO NEW ROOF.
4. MOUNT WALL CLEANOUT AT MINIMUM 18" ABOVE FINISHED FLOOR, TYPICAL.

PROJECT

NORTH



KEY PLAN

STERLING
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185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
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REV	DESCRIPTION	DATE BY	CHK
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B	REVISED FOR RFP ADDENDUM 4	8/27/21 RVS	RGL
A	ISSUED FOR RFP	7/30/21 RVS	RGL

STATE OF NEW YORK
MICHAEL BRITTON DELLA
No. 083339
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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NY COA # 0017967

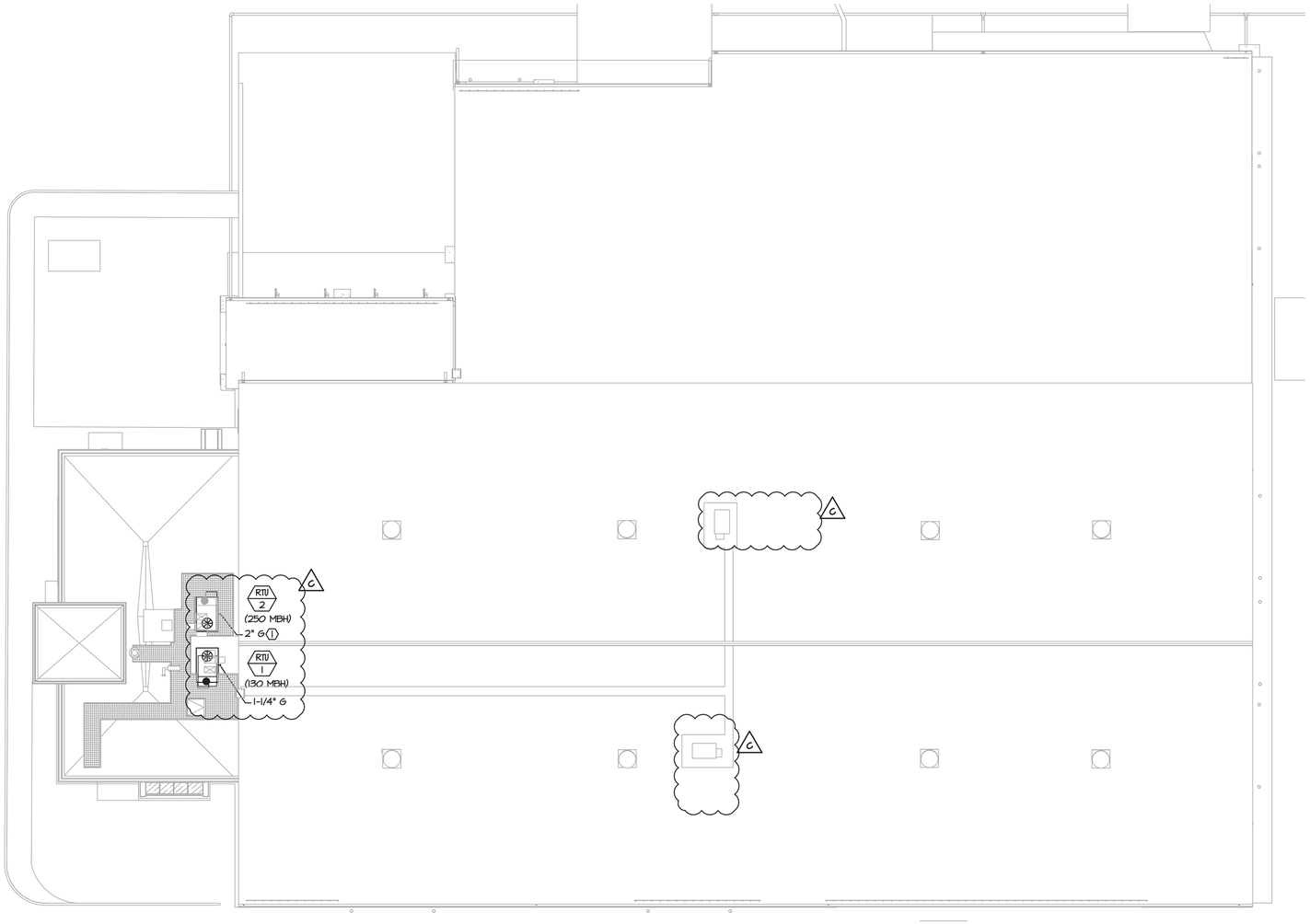
Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FIRST FLOOR PLAN
SANITARY - AREA 4-6

	BY	DATE
DRAWN	RVS	7/30/21
CHECKED	RGL	7/30/21
DESIGNED	RVS	7/30/21
APPROVED	-	
APPROVED	-	

PROJ. No: 499-010
SCALE: SEE PLANS
DWG. NO: P-104
C
CAD FILE: N:\2021\21033\MEP\21033 P-104.DWG
SHEET SIZE: D-24x36
REV

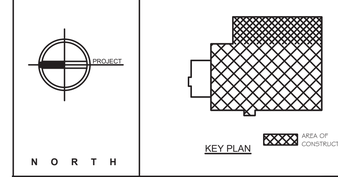


1 P-104-BP **ROOF PLAN - PLUMBING**
SCALE: 1/16"=1'-0"

KEY NOTES:

1. MAKE LIQUID TIGHT NATURAL GAS PENETRATIONS THROUGH EXISTING ROOFS, TYPICAL.

PROJECT



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B	REVISED FOR RFP ADDENDUM 4	8/27/21	RVS	RGL
A	ISSUED FOR RFP	7/30/21	RVS	RGL

Rockland Green

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MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

ROOF PLAN - PLUMBING

STATE OF NEW YORK
MICHAEL BRITTON BELL
No. 083339
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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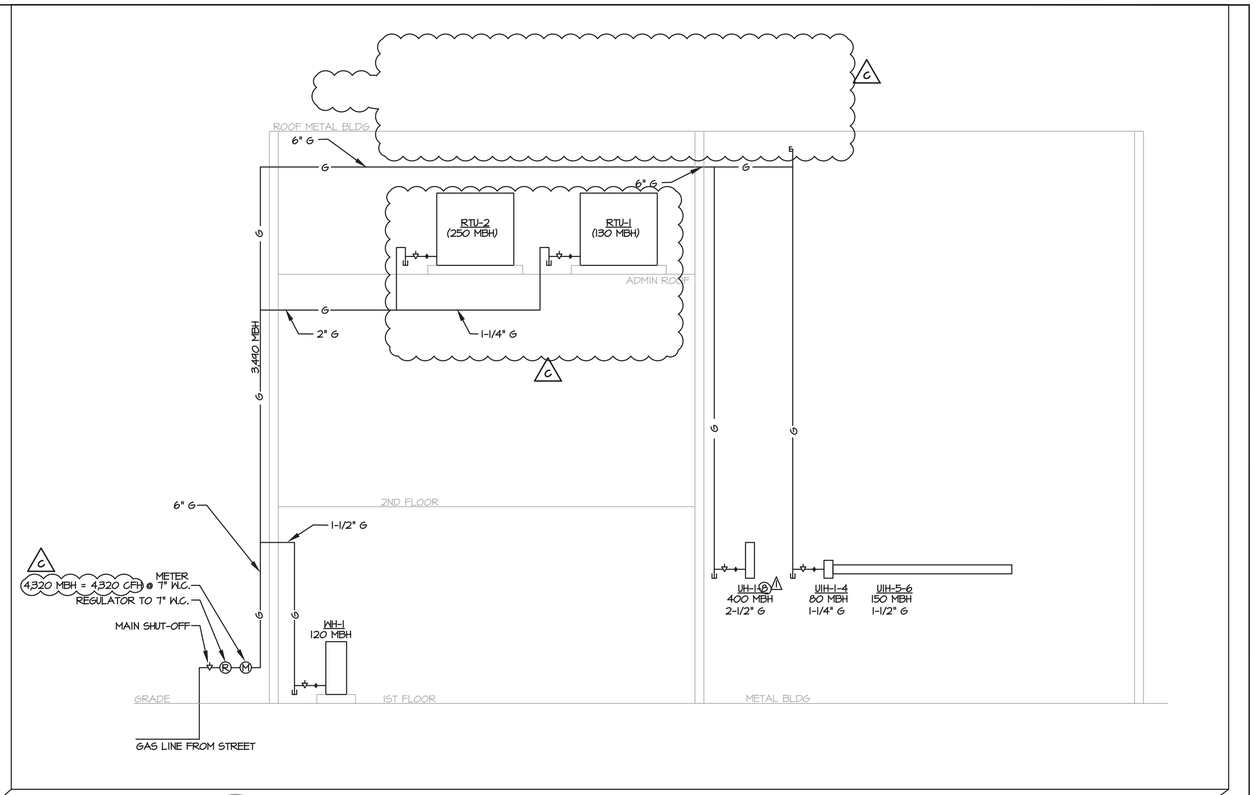
fax: 631-756-1064

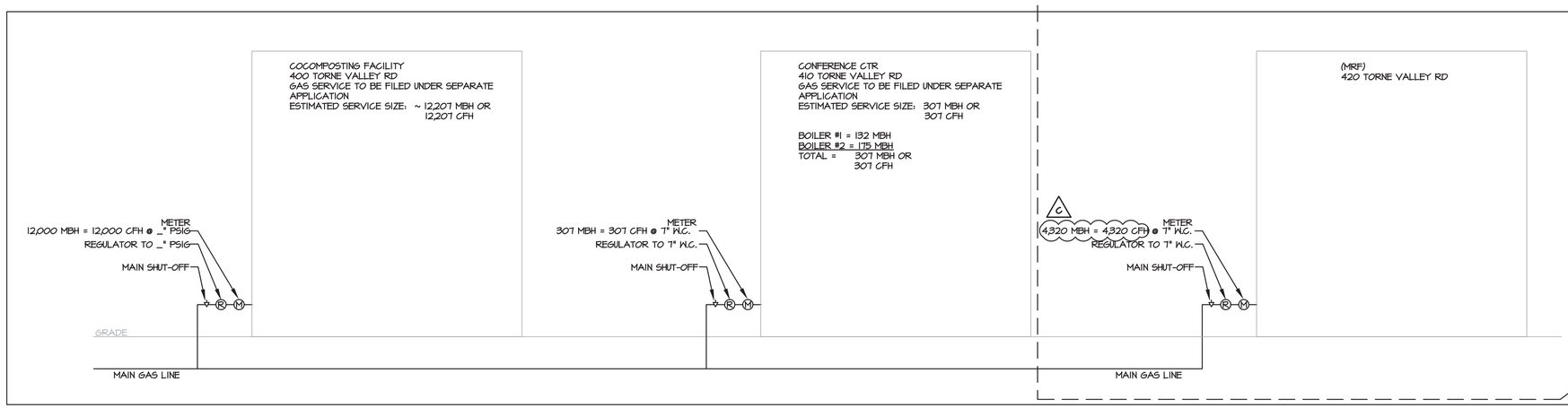
	BY	DATE
DRAWN	RVS	7/30/21
CHECKED	RGL	7/30/21
DESIGNED	RVS	7/30/21
APPROVED	-	
APPROVED	-	

PROJ. No: 499-010
SCALE: SEE PLANS
DWG. NO: P-105
C
CAD FILE: N:\2021\21033\MEP\21033 P-105.DWG
SHEET SIZE: D-24x36
REV



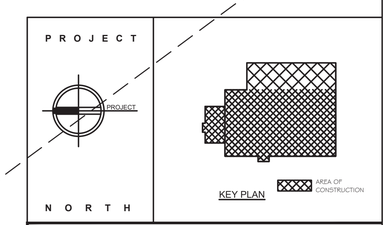
2 MATERIAL RECOVERY FACILITY (MRF) GAS LOAD AND RISER DIAGRAM

SCALE: NTS



1 ROCKLAND GREEN FACILITY GAS LOAD

SCALE: NTS



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WWW.ADGARCHITECT.COM
CONTACT@ADGARCHITECT.COM

REV	DESCRIPTION	DATE BY	CHK
	GAS APPLICATION	05/21/21 RVS	RGL
C	ISSUED FOR CONSTRUCTION	10/27/21 RVS	RGL
B	REVISED FOR RFP ADDENDUM 4	8/27/21 RVS	RGL
A	ISSUED FOR RFP	7/30/21 RVS	RGL

N.Y. P.E. LICENSE No. 083339

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NY COA # 0017967

Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

GAS LOADS AND RISER DIAGRAM

	BY	DATE
DRAWN	RVS	7/30/21
CHECKED	RGL	7/30/21
DESIGNED	RVS	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010
SCALE: NTS
DWG. NO: P-301
C
CAD FILE: N:\2021\21033\MEP\21033 P-301.DWG
SHEET SIZE: D-24x36
REV

ROCKLAND GREEN MRF FACILITY IMPROVEMENTS
CONTRACT NO. 5 - ELECTRICAL
420 TORNE VALLEY ROAD HILLBURN NY 10931

Rockland Green Reduce Recycle Recover

OWNER:

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OWNER ENGINEER:

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MECHANICAL, ELECTRICAL AND PLUMBING ENGINEER:

STERLING
Sterling Environmental Engineering, P.C.

CIVIL ENGINEER:

LEGEND:

EXISTING CONSTRUCTION TO REMAIN		Room name 101 150 SF	ROOM DESIGNATION TAG
EXISTING CONSTRUCTION TO BE REMOVED		I1	WALL TYPE TAG
NEW WALL		A	WINDOW TAG
		PR-1	FINISH TAG
EXISTING DOOR TO REMAIN		88.888.88	KEY NOTE
NEW DOOR		1 Ref A101 Ref	ELEVATION TAG
EXISTING DOOR TO BE REMOVED			
01	DOOR TAG	1 A101 SIM	WALL/BUILDING SECTION CUT
1 A101 SIM	DETAIL TAG		

ABBREVIATIONS:

AB.	ANCHOR BOLT	MAT.	MATERIAL
A.C.T.	ACOUSTICAL CEILING TILE	MAX.	MAXIMUM
A.F.F.	ABOVE FINISH FLOOR	MECH.	MECHANICAL
APPX.	APPROXIMATE	MIN.	MINIMUM
ARCH.	ARCHITECT	MIR.	MIRROR
BSMT.	BASEMENT	MISC.	MISCELLANEOUS
BM	BEAM	MTL	METAL
BD	BOARD	NOM.	NOMINAL
BOT.	BOTTOM	N.T.S	NOT TO SCALE
BLDG.	BUILDING	O.C.	ON CENTER
CAB.	CABINET	O.H.	OVERHEAD
CLG.	CEILING	PTD.	PAINTED
C.T.	CERAMIC TILE	P. LAM.	PLASTIC LAMINATE
CIR.	CIRCLE	PL.	PLATE
COL	COLUMN	P.S.F.	POUNDS PER SQ. FOOT
C.J.	CONTROL JOINT	P.S.I.	POUNDS PER SQ. INCH.
CORR.	CORRIDOR	PREFAB	PREFABRICATED
D.L.	DEAD LOAD	P.T.	PRESSURE TREATED (WOOD)
DTL.	DETAIL	RAD.	RADIUS
DIAM.	DIAMETER	RLG.	RAILING
DIM.	DIMENSION	REF.	REFRIGERATOR
D.W.	DISHWASHER	REINF.	REINFORCE(ED), (ING)
D.H.	DOUBLE HUNG	REV.	REVIS(ION), (E), (ED)
D.S.	DOWNSPOUT	R.	RISER
DWG.	DRAWING	RFG.	ROOFING
ELEC.	ELECTRICAL	RM.	ROOM
ELEV.	ELEVATION	SEC.	SECTION
EQ.	EQUAL	SHTHG.	SHEATHING
EXIST.	EXISTING	SHT.	SHEET
EXT.	EXTERIOR	SIM	SIMILAR
E.I.F.S	EXTERIOR INSULATED FINISH SYSTEM	S.C.	SOLID CORE
		SPEC.	SPECIFICATION
FIN.	FINISH	SQ.	SQUARE
F.P.	FIREPLACE	STD.	STANDARD
FLR	FLOOR	STO.	STORAGE
F.D.	FLOOR DRAIN	STRL.	STRUCTURAL
FTG.	FOOTING	THK	THICKNESS
FND.	FOUNDATION	THR.	THRESHOLD
FUR.	FURRED	T&G	TONGUE AND GROOVE
G.C.	GENERAL CONTRACTOR	T.O.C.	TOP OF CONCRETE
GL.	GLASS, GLAZING	T.O.B.	TOP OF BEAM
GYP.BD	GYPSUM BOARD	T.O.F.	TOP OF FOUNDATION
HDW.	HARDWARE	T.O.P.	TOP OF PLATE
HDR.	HEADER	TR	TREAD
HTG.	HEATING	TYP.	TYPICAL
HVAC	HEATING/VENTALATION/AIR CONDITIONING	UNF.	UNFINISHED
		U.O.N.	UNLESS OTHERWISE NOTED
HGT.	HEIGHT	V.B.	VAPOR BARRIER
HORZ.	HORIZONTAL	VERT.	VERTICAL
HB.	HOSE BIBB	V.I.F.	VERIFY
INS.	INSULAT(ED), (ION)	W.C.	WATER CLOSET
JT.	JOINT	W.P.	WATER PROOFING
JST.	JOIST	W.R.	WATER RESISTANT
KIT	KITCHEN	WWF.	WELDED WIRE FABRIC
LAV.	LAVATORY	WN.	WINDOW
LT.	LIGHT	W/O	WITHOUT
L.L.	LIVE LOAD	WD.	WOOD
MFR.	MANUFACTURE(R)		
MAS.	MASONRY		

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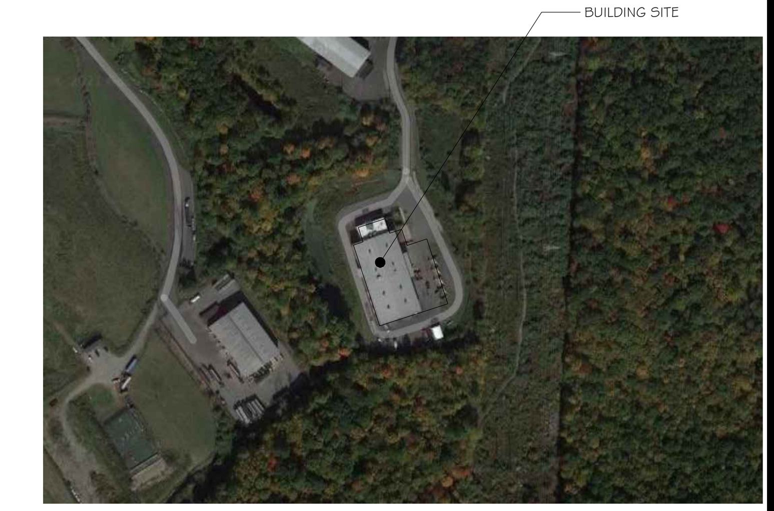
SHEET LIST TABLE

SHT.	SHEET TITLE	DRAWING DATE	100% CONSTRUCTION DOCUMENT	REVISION HISTORY 02/05/21	MM/DD/21	MM/DD/21	CURRENT REVISION Rev. #	DATE	DESCRIPTION	ISSUED (Y/N)
ELECTRICAL										
E-000	TITLE SHEET_ELECTRICAL	10/27/21	100%				C	10-27-21	ISSUED FOR CONSTRUCTION	No
E-001	LEGEND, NOTES AND DRAWING SCHEDULE	10/27/21	100%							No
E-002	ENERGY COMPLIANCE FORMS	10/27/21	100%							No
E-101	PARTIAL FLOOR PLANS – LIGHTING DEMOLITION	10/27/21	100%							No
E-102	PARTIAL FLOOR PLANS – POWER AND SYSTEMS DEMOLITION	10/27/21	100%							No
E-103	PARTIAL FIRST FLOOR PLAN – LIGHTING DEMOLITION	10/27/21	100%							No
E-104	PARTIAL FIRST FLOOR PLAN – POWER AND SYSTEMS DEMOLITION	10/27/21	100%							No
E-201	PARTIAL FLOOR PLANS - LIGHTING	10/27/21	100%							No
E-202	PARTIAL FIRST FLOOR PLAN - LIGHTING	10/27/21	100%							No
E-301	PARTIAL FLOOR PLANS - POWER	10/27/21	100%							No
E-302	PARTIAL FIRST FLOOR PLAN - POWER	10/27/21	100%							No
E-303	PARTIAL FIRST FLOOR PLAN – CONDUIT ROUTING	10/27/21	100%							No
E-304	ROOF PLAN - POWER	10/27/21	100%							No
E-401	PARTIAL FLOOR PLANS - SYSTEMS	10/27/21	100%							No
E-402	PARTIAL FIRST FLOOR PLAN - SYSTEMS	10/27/21	100%							No
E-501	SCHEDULES, DETAILS AND RISERS	10/27/21	100%							No
E-502	SCHEDULES	10/27/21	100%							No
E-503	SCHEDULES	10/27/21	100%							No
E-504	ONE LINE DIAGRAM	10/27/21	100%							No

C C C C C

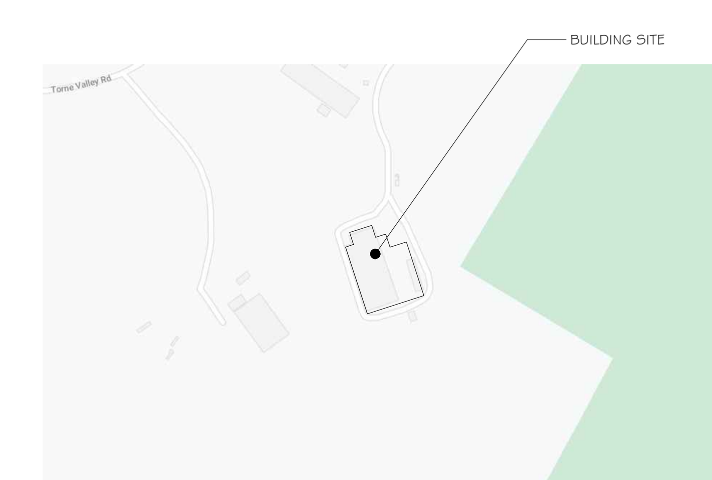
BUILDING LOCATION AERIAL

N TRUE



BUILDING LOCATION

N TRUE



ROCKLAND GREEN FACILITY IMPROVEMENTS PHASING NOTE

1. Rockland Green is soliciting proposals for the construction of improvements to its existing Materials Recovery Facility (MRF), as further detailed in the Drawings and Specifications. These Facility Improvements include, but are not limited to, a building addition, site work, interior demolition work, interior build-out work, electric service upgrades and reworked mechanical, plumbing, electrical, fire sprinkler and fire alarm systems to accommodate a new state-of-the-art dual stream recyclables processing system supplied and installed under Contract No. 1 - Processing Equipment.

2. The Facility Improvements are being procured through separate contracts as follows:
   - Contract No. 2 - Facility Improvements: General Construction
   - Contract No. 3 - Facility Improvements: Mechanical/HVAC
   - Contract No. 4 - Facility Improvements: Plumbing
   - Contract No. 5 - Facility Improvements: Electrical
   - Contract No. 6 - Facility Improvements: Fire Protection System

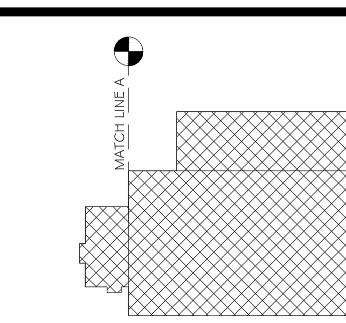
3. The building has been divided into the following area designations:
   - Area 1 - Existing Tipping Area.
   - Area 2 - Existing Processing Area.
   - Area 3 - Existing Administration Area.
   - Area 4 - New Commingled Tipping Area.
   - Area 5 - New Storage & Glass Processing Area
   - Area 6 - New Truck Loading Dock Area.

4. Work shall commence on the exterior and in the Areas 1 and 2 for its Substantial Completion to be achieved prior to the start of delivery and installation of the Dual Stream Recyclables Processing System, which is scheduled to occur early December 2021. It shall include all Work as defined in the Contract Drawings, Specifications, and RFP Appendices. It shall also include all rough-ins associated with Mechanical, Electrical, Plumbing, and Fire Protection Equipment. All final connections of Mechanical, Electrical, Plumbing and Fire Protection (including equipment fire sprinkler system) in Areas 1 and 2 shall be completed prior to the startup of processing equipment.

5. Work in Area 3 shall be sequenced to allow sufficient access and use of existing space for Contractors on- site as approved by the Engineer and the Contractors for Contract Nos. 2-6 shall achieve Substantial Completion prior to the required date for the Operator to mobilize on-site and have partial occupancy and use of Area 3. Additionally, any Work by Contract Nos. 1 and 3-6 related to all other Areas 1, 2, 4-6 and the site work/exterior shall progress and be completed to support and not delay the overall Project Schedule.

6. Contract Nos. 2-6 Work in Areas 4 - 6 shall be sequenced by each applicable Contractor to make most use and access of working space where the building erection is complete, so the work of Contract No. 1 can proceed efficiently. All work to be coordinated between the Contractors.

PROJECT NORTH



KEY PLAN — AREA OF CONSTRUCTION

STERLING
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NY COA # 0017967

STATE OF NEW YORK — MICHAEL BRITTON MILLS — No. 083359 — LICENSED PROFESSIONAL ENGINEER

N.Y. PE LICENSE No. 083339

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REV	DESCRIPTION	DATE BY CHK
C	ISSUED FOR CONSTRUCTION	10-27-21
B	REVISED FOR RFP ADDENDUM 4	08-27-21
A	ISSUED FOR RFP	07-30-21

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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

TITLE SHEET_ELECTRICAL

	BY	DATE		
DRAWN	IDEA	07/09/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED		07/09/21	DWG. NO: E-000	C
DESIGNED		07/09/21		
APPROVED		07/09/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV

ELECTRICAL LEGEND

LIGHTING AND CONTROLS

Symbol	Description
'X'	INDICATES FIXTURES TYPE
'X'	STRIP LIGHT
	WALL MOUNTED FIXTURE
	PENDANT MOUNTED FIXTURE
	SURFACE MOUNTED FIXTURE
	RECESSED FIXTURE
	FIXTURE ON NORMAL / EMERGENCY CIRCUIT
	RECESSED WALL WASHER
	FIXTURE ON EMERGENCY ONLY CIRCUIT
	SURFACE FLUORESCENT FIXTURE
	RECESSED FLUORESCENT FIXTURE
	FLUORESCENT FIXTURE ON NORMAL/EMERGENCY CIRCUIT
	TRACK LIGHTING
	EMERGENCY UNIT REMOTE HEAD
	EMERGENCY BATTERY UNIT , # OF HEADS AS INDICATED
	EXIT SIGN
	EXTERIOR POST MOUNT FIXTURE
	EXTERIOR LIGHTING BOLLARD
	EXTERIOR GROUND MOUNTED FIXTURE
PC	PHOTOCELL
S_M	MANUAL MOTOR START, WITH OVERLOADS
S	SINGLE POLE SWITCH
S_3	THREE WAY SWITCH
S_4	FOUR WAY SWITCH
LCP	LIGHTING CONTROL PANEL
S_{DO}	WALL BOX OCCUPANCY SENSOR WITH DIMMER
S_O	WALL BOX OCCUPANCY SENSOR
S_{RL}	SWITCH - ON/RAISE/LOWER/OFF
DS	DAYLIGHT SENSOR
OS_1	OCCUPANCY SENSOR (LOW VOLTAGE)
OS_2	OCCUPANCY SENSOR (NETWORK)
RC	ROOM CONTROLLER
IB	ONE BUTTON SWITCH

FIRE ALARM/RESCUE ASSISTANCE

Symbol	Description
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR PANEL
F	FIRE ALARM HORN/STROBE
F	FIRE ALARM STROBE
F C	FIRE ALARM STROBE (CEILING)
F S	FIRE ALARM SPEAKER/STROBE
F S C	FIRE ALARM SPEAKER, STROBE, CHIME
F	FIRE ALARM HORN
F	FIRE ALARM SPEAKER ONLY
F	FIRE ALARM PULL STATION
F	SPRINKLER ALARM BELL
S	SMOKE DETECTOR
S_D	DUCT DETECTOR
H	HEAT DETECTOR 'RR' INDICATES RATE OF RISE
F	FLAME DETECTOR
S_E	SMOKE DETECTOR WITH ELEVATOR RECALL ON AUXILIARY CONTACTS
SD	SMOKE DAMPER
RAL	REMOTE ALARM LAMP
DH	DOOR HOLDER
IAM	INDIVIDUAL ADDRESSABLE MODULE
ZAM	ZONE ADAPTER MODULE
EOL	END OF LINE RESISTOR
TS	TAMPER SWITCH
FS	FLOW SWITCH
PS	PRESSURE SWITCH
RACP	RESCUE ASSIST CONTROL PANEL
RA	RESCUE ASSIST STATION
RA	RESCUE ASSIST SIGN

POWER

Symbol	Description
B	BLANK OUTLET
G	GROMMETED OUTLET
J	JUNCTION BOX
	EXHAUST FAN
	MOTOR
	NON FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MOTOR STARTER
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH
	CONTACTOR
ATS	AUTOMATIC TRANSFER SWITCH
	PANELBOARD
	NORMAL/EMERGENCY PANEL BOARD
ATC	AUTOMATIC TEMP. CONTROL PANEL WITH TELEPHONE/DATA BY ELECTRICAL CONTRACTOR
	ELECTRIC SERVICE METER
APP	AREA PROTECTION PANEL
T	TRANSFORMER
	THREE POSITION SWITCH
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE 'H' INDICATES HORIZONTAL MOUNTING
	DUPLEX RECEPTACLE TOP HALF SWITCHED
	DUPLEX RECEPTACLE WITH GROUND FAULT
	DUPLEX RECEPTACLE ON NORMAL/EMERGENCY CIRCUIT
TVSS	DUPLEX RECEPTACLE WITH TRANSIENT VOLTAGE SURGE SUPPRESSION
TV	DUPLEX RECEPTACLE AT 6'-8" A.F.F. FOR TELEVISION
T	TAMPER RESISTANT DUPLEX RECEPTACLE
	QUAD RECEPTACLE (DOUBLE DUPLEX)
	SPECIAL POWER OUTLET
TL	TWIST LOCK RECEPTACLE
IG	DUPLEX RECEPTACLE WITH ISOLATED GROUND
E	DUPLEX RECEPTACLE ON EMERGENCY WITH GROUND FAULT
SC	SURFACE RACEWAY 'SC' SINGLE CHANNEL, 'DC' DOUBLE CHANNEL, 'TC' THREE CHANNEL
PP	POWER POLE
	CIRCUIT BREAKER
CT	CABLE TRAY
	ELECTRIC BASEBOARD
E	MUSHROOM HEAD EMERGENCY OFF SWITCH
	PUSH BUTTON
SV	SOLENOID VALVE
P	PULL BOX, SIZE AS REQUIRED BY NEC
CB	ENCLOSED CIRCUIT BREAKER
FB 1	FLOOR BOX, NUMBER INDICATES TYPE

SECURITY

Symbol	Description
	CLOSED CIRCUIT TV CAMERA
KP	KEYPAD
DC	DOOR CONTACT
SEC	SECURITY SYSTEM CONTROL PANEL
M	CLOSED CIRCUIT TV MONITOR
CAS	CARD ACCESS SYSTEM CONTROL PANEL
PIR	PASSIVE INFRARED MOTION SENSOR
EC	EMERGENCY CALL BUTTON
DR	DOOR RELEASE
CR	CARD READER
ES	ELECTRIC STRIKE
B	DOOR BELL
GB	GLASS BREAK SENSOR

NOTE : THIS IS A GENERAL ELECTRICAL LEGEND ALL SYMBOLS MAY NOT APPEAR ON THE PLANS. SEE PLANS FOR ACTUAL SYMBOLS USED.

MISCELLANEOUS

Symbol	Description
	UNIT VENTILATOR
	ELECTRIC RESISTANCE HEAT
	UNIT HEATER
	VAV BOX
VFD	VARIABLE FREQUENCY DRIVE
M	MOTORIZED LOUVER
T	THERMOSTAT
MH	MAN HOLE
HH	HAND HOLE
T	PAD MOUNTED TRANSFORMER
WH	WATER HEATER
	UTILITY POLE
P 3	EQUIPMENT TAG

COMMUNICATIONS

Symbol	Description
	DATA OUTLET AT 18" AFF
	DATA/TEL. OUTLET IN FLUSH FLOOR BOX
W	WALL VOICE OUTLET
	VOICE OUTLET AT 18" AFF
	VOICE/DATA OUTLET AT 18" AFF
S	CEILING SPEAKER
VC	VOLUME CONTROL
M	MICROPHONE OUTLET 'H' INDICATES HANGING
C S	CLOCK/SPEAKER
C	CLOCK 'W' INDICATES WIRE GUARD
IC	INTERCOM STATION
S	INTERCOM STATION WALL MOUNT SPEAKER, 'WP' INDICATES WEATHER PROOF
A	AUDIO SYSTEM CONTROL JACK
TV	TELEVISION OUTLET AT 18" A.F.F.
TV HL	TELEVISION OUTLET HIGH / LOW LOCATIONS
TV H	TELEVISION OUTLET HIGH LOCATION
D	DIMMING SYSTEM CONTROL JACK
	3/4" PAINTED PLYWOOD BACKBOARD

WIRING

Symbol	Description
	DUAL LEVEL SWITCHING
	HOME RUN
E	EMERGENCY WIRING
NE	NORMAL/EMERGENCY WIRING
CNE	CRITICAL/NORMAL/EMERGENCY WIRING
	CONDUIT RUN CONCEALED IN WALL OR CEILING, U.O.N.
U/G	UNDERGROUND UTILITIES
	EXTERIOR BELOW GRADE CONDUIT
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT STUB TERMINATE WITH BUSHING OR CAP
	GROUND

ABBREVIATIONS

Abbreviation	Meaning
ACC	AIR COOLED CHILLER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AH	AIR HANDLER
B	BOILER
C	CONDUIT
CH	CABINET HEATER
CIR	CIRCUIT
CU	CONDENSING UNIT
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ER	RELOCATE EXISTING DEVICE
ETR	EXISTING DEVICE TO REMAIN
EWH	ELECTRIC WALL HEATER
FC	FAN COIL
G, GRD	GROUND
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSE POWER
MC	MECHANICAL CONTRACTOR
MTD	MOUNTED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
O/H	OVER HEAD
P	ELECTRIC PUMP
R	REMOVE EXISTING DEVICE
RP	REMOVE & REPLACE EXISTING DEVICE
RTU	ROOF TOP UNIT
U/G	UNDERGROUND
UH	UNIT HEATER
U.O.N.	UNLESS OTHERWISE NOTED
UV	UNIT VENTILATOR
VAV	VARIABLE AIR VOLUME
VIF	VERIFY IN FIELD
WH	WALL HEATER
WP	WEATHERPROOF
*	DEVICE MOUNTED ABOVE COUNTER

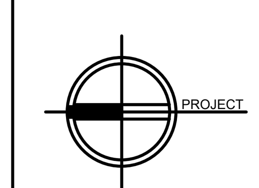
Electrical Drawing Schedule

E-001	LEGEND, NOTES AND DRAWING SCHEDULE
E-002	ENERGY COMPLIANCE FORMS
E-101	PARTIAL FLOOR PLANS - LIGHTING DEMOLITION
E-102	PARTIAL FLOOR PLANS - POWER AND SYSTEMS DEMOLITION
E-103	PARTIAL FIRST FLOOR PLAN - LIGHTING DEMOLITION
E-104	PARTIAL FIRST FLOOR PLAN - POWER AND SYSTEMS DEMOLITION
E-201	PARTIAL FLOOR PLANS - LIGHTING
E-202	PARTIAL FIRST FLOOR PLAN - LIGHTING
E-301	PARTIAL FLOOR PLANS - POWER
E-302	PARTIAL FIRST FLOOR PLAN - POWER
E-303	PARTIAL FIRST FLOOR PLAN - CONDUIT ROUTING
E-304	ROOF PLAN - POWER
E-401	PARTIAL FLOOR PLANS - SYSTEMS
E-402	PARTIAL FIRST FLOOR PLAN - SYSTEMS
E-501	SCHEDULES AND DETAILS
E-502	SCHEDULES
E-503	SCHEDULES
E-504	ONE LINE DIAGRAM

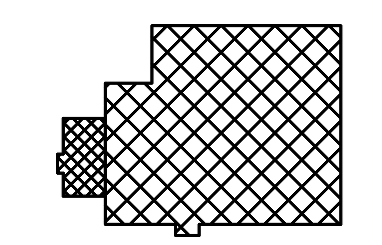
GENERAL NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE, ALL NFPA CODES, THE RULES SET FORTH BY THE OWNER AND ALL OTHER NATIONAL, STATE OR MUNICIPAL CODES APPLICABLE TO THE PROJECT.
2. ALL WORK FURNISHED UNDER THE CONTRACT SHALL BE GUARANTEED AGAINST ANY AND ALL DEFECTS IN WORKMANSHIP AND/OR MATERIALS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION. ANY DEFECTS OF WORKMANSHIP DEVELOPING DURING THIS PERIOD SHALL BE REMEDIED AND ANY DEFECTIVE MATERIAL REPLACED WITHOUT ADDITIONAL COST.
3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND APPROVALS NECESSARY FOR THE COMPLETION OF THIS PROJECT.
4. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT WITH THE EQUIPMENT OF OTHER TRADES AND BUILDING CONSTRUCTION.
5. WHERE APPLICABLE (RENOVATION PROJECTS), REMOVE AND REINSTALL ALL EXISTING DEVICES WITHIN AREAS OF WORK AS NECESSARY TO ACCOMMODATE NEW FINISHES. PROVIDE BOX EXTENSIONS / RELOCATION'S AS REQUIRED. COORDINATE FINISHES WITH ARCHITECTURAL PLANS. VERIFY QUANTITY OF DEVICES IN FIELD.
6. THE ELECTRICAL CONTRACTOR SHALL RUN SEPARATE NEUTRAL CONDUCTORS FOR EACH CIRCUIT. SHARED NEUTRALS ARE NOT ACCEPTABLE.
7. ALL NEW DEVICES/CONDUIT/WIRING SHALL BE CONCEALED IN WALLS IN FINISHED AREAS.
8. ALL PANELBOARD DIRECTORIES AFFECTED BY THE PROJECT SCOPE SHALL BE UPDATED UPON COMPLETION OF PROJECT.
9. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL RECEPTACLE PLATES WITH PANEL AND CIRCUIT NUMBERS ON THE BACK OF PLATE. IF OWNER REQUESTS LABEL TO BE ON FRONT OF PLATE, CLEAR LABEL WITH TYPED BLACK LETTERS SHALL BE USED.
10. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CUTTING AND PATCHING WITH THE GENERAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CUTTING AND PATCHING THAT IS A RESULT OF ELECTRICAL WORK. ALL FINISHES, MATERIALS, COLORS, ETC. SHALL BE APPROVED BY THE OWNER.
11. THE ELECTRICAL CONTRACTOR SHALL EXAMINE THE CONTRACT DRAWINGS INVOLVING GENERAL CONSTRUCTION AND THE MECHANICAL TRADES FOR THE DETAILS AFFECTING THE PERFORMANCE OF THE ELECTRICAL CONTRACT.
12. RACEWAYS, BOXES, LIGHTING FIXTURES, ETC. ABOVE/WITHIN SUSPENDED CEILINGS SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE, INDEPENDENT OF THE CEILING SYSTEM, DUCTS, PIPING OR OTHER WORK. SEE LIGHTING FIXTURE SCHEDULE NOTES FOR ADDITIONAL INFORMATION ON SUPPORT REQUIREMENTS.
13. ALL ELECTRICAL WORK SHALL BE INSTALLED PER THE CONTRACT DOCUMENTS AND WRITTEN MANUFACTURER'S INSTRUCTION.
14. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL ELECTRICAL EQUIPMENT RELATED TO THE PROJECT.
15. ELECTRICAL CONTRACTOR SHALL REFER TO ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR EXTENT OF ARCHITECTURAL WORK AND SHALL COORDINATE ELECTRICAL DEMOLITION AND NEW WORK WITH CONSTRUCTION PHASING.
16. THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN A NEAT AND WORKMANLIKE MANNER PER THE NATIONAL ELECTRICAL CODE. THE ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO ADHERE TO MOST CURRENT NEIS STANDARD NECA 1 "STANDARD FOR GOOD WORKMANSHIP IN ELECTRICAL CONTRACTING" PUBLISHED BY THE NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA).
17. ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE THE INSTALLATION OF NEW CONDUITS WITH ANY EXISTING PIPING, CONDUITS, PULLBOXES AND EQUIPMENT. INSTALL ALL NEW ELECTRICAL EQUIPMENT WITHOUT CONFLICTS OR OBSTRUCTION OF ACCESSIBILITY TO NEW OR EXISTING EQUIPMENT OR PIPING.
18. INTERRUPTIONS OF AN ESTABLISHED POWER SUPPLY SHALL BE CONDUCTED ONLY WHEN AUTHORIZED IN WRITING BY THE OWNER. CONTRACTOR SHALL NOTIFY OWNER FIVE (5) DAYS IN ADVANCE FOR A SERVICE INTERRUPTION AND SHALL STATE THE ESTIMATED TIME INVOLVED DURING WHICH THE POWER SUPPLY WILL BE INTERRUPTED. POWER SUPPLY INTERRUPTIONS SHALL BE COORDINATED WITH OTHER TRADES SO THERE WILL BE A MINIMUM OF INCONVENIENCE TO THESE TRADES.
19. THE ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE ALL UNDERGROUND ELECTRICAL WORK WITH THE GENERAL CONTRACTOR, SITE CONTRACTOR AND OWNER.
20. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR ALL CEILING MOUNTED DEVICES.
21. PROVIDE TEMPORARY LIGHTING AND POWER DURING CONSTRUCTION AS REQUIRED FOR THE PROPER EXECUTION OF THE WORK. TEMPORARY LIGHTING AND POWER SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF THE NATIONAL ELECTRICAL CODE, OSHA REGULATIONS, AND THE REQUIREMENTS OF ANY OTHER AGENCY HAVING JURISDICTION.
22. THE ELECTRICAL CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK. HE SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER FOR CORRECTION PRIOR TO BEGINNING ANY WORK. DISCOVERY OF ANY DISCREPANCIES AFTER THE WORK HAS COMMENCED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
23. DO NOT SCALE THESE DRAWINGS. FOR EXACT DIMENSIONS, VERIFY ALL FIGURES, CONDITIONS, DIMENSIONS, ETC. AT THE JOB SITE.
24. NO CONDUITS, WIRING, DEVICES, EQUIPMENT, ETC. SHALL PASS THROUGH OR BE LOCATED WITHIN ELEVATOR SHAFTS, MACHINE ROOMS, I. T. CLOSETS, OR ELECTRICAL ROOMS UNLESS IT SPECIFICALLY SERVES THAT SPACE.
26. PROVIDE EQUIPMENT SETUP, FINAL TESTING, ADJUSTMENTS, TRAINING, AND REPORTS ON NEW EQUIPMENT.
27. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL EQUIPMENT, CIRCUITRY AND DEVICES REQUIRED TO CONNECT MECHANICAL/PLUMBING/FIRE PROTECTION EQUIPMENT.
28. TEMPORARILY REMOVE AND REINSTALL CEILING TILES AS REQUIRED. REPLACE DAMAGED TILES.
29. THE OWNER RESERVES THE RIGHT TO DESIGNATE THE ORDER IN WHICH THE CONTRACTOR SHALL PROCEED WITH ANY AND ALL PORTIONS OF THE WORK. WORK SHALL BE COORDINATED SO AS NOT TO INTERFERE WITH THE BUSINESS OF THE OWNER. NO ADDITIONAL WORK SHALL BE STARTED WITHOUT THE APPROVAL OF THE OWNER'S FACILITIES DEPARTMENT.
30. ALL NOISE, DIRT AND DUST SHALL BE KEPT AT AN ABSOLUTE MINIMUM. ALL AREAS SHALL BE LEFT BROOM CLEAN AT THE END OF EACH DAY'S OPERATIONS. THE ELECTRICAL CONTRACTOR SHALL KEEP THE BUILDING FREE FROM RUBBISH AND DIRT. NO RUBBISH OR MATERIALS SHALL BE ALLOWED TO ACCUMULATE IN THE BUILDING ON THE PROPERTY, OR ON THE STREET OR SIDEWALK.
31. THE ELECTRICAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF THE EMPLOYEES ON THE WORK SITE AND SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE FEDERAL, STATE OR MUNICIPAL SAFETY LAWS TO PREVENT ACCIDENTS OR INJURY ON OR ABOUT THE PROPERTY.
32. ALL PERSONS EMPLOYED ON OR VISITING THE SITE OF THE WORK WILL BE REQUIRED TO OBSERVE THE OWNER'S SECURITY REGULATIONS.
33. COORDINATE ALL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL DRAWINGS. REFER TO DRAWINGS AND SHOP DRAWINGS OF ALL OTHER TRADES, FOR FINAL/EXACT LOCATIONS OF SERVICES FOR EQUIPMENT NOT FURNISHED UNDER THIS CONTRACT.
34. ALL DUCT AND UNIT MOUNTED SMOKE DETECTORS FOR MECHANICAL EQUIPMENT AND DAMPERS SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR, WIRED TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR, WITH UNIT SHUT DOWN CONTROL WIRING BY MECHANICAL CONTRACTOR.
35. WHERE CONDUIT, CABLES, DUCTWORK OR PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, THE PENETRATION SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS U.L. LISTED AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT AS BEING SUITABLE FOR THIS SERVICE. THIS MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER TO MAINTAIN THE U.L. LISTED FIRE RATING OF THE PENETRATED WALL OR FLOOR.
36. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SLAB OPENINGS, WALL OPENINGS, BEAM PENETRATIONS AND CORING AS IT RELATES TO HIS WORK. CONTRACTOR SHALL SUBMIT SIZE AND LOCATION TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL.
37. SUBMIT CATALOG INFORMATION, FACTORY ASSEMBLY DRAWINGS AND FIELD INSTALLATION DRAWINGS AS REQUIRED FOR A COMPLETE EXPLANATION AND DESCRIPTION OF ALL ITEMS TO BE PROVIDED. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS. NO SUBMISSION WILL BE ACCEPTED WITHOUT THE SIGNED APPROVAL OF THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD MEASUREMENTS.
38. FURNISH ACCESS DOORS AS REQUIRED FOR OPERATION AND MAINTENANCE OF CONCEALED EQUIPMENT. WHERE POSSIBLE, ALL SUCH ITEMS SHALL BE LOCATED ABOVE ACCESSIBLE CEILINGS.
39. EXISTING CAMERA SYSTEM SHALL REMAIN OPERATIONAL AS LONG AS POSSIBLE. ELECTRICAL CONTRACTOR SHALL PROTECT ALL EXISTING CAMERAS AND ASSOCIATED WIRING DURING CONSTRUCTION.

PROJECT



NORTH



KEY PLAN

AREA OF CONSTRUCTION

Sterling Environmental Engineering, P.C.

martinrogers ENGINEERING CONSULTANTS
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
t.570.826.1000 | f.570.825.0888 | w. www.mrapc.com

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RRT Engineering , LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

LEGEND, NOTES AND DRAWING SCHEDULE

REV	DESCRIPTION	DATE	BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21	RER	RER
B	REVISED FOR RFP ADDENDUM 4	8/27/21		
A	ISSUED FOR RFP	7/30/21	RER	RER

N.Y. P.E. LICENSE No. 083339

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1 Huntington Quadrangle, 3S01 Melville, N.Y. 11747
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	BY	DATE
DRAWN	RER	7/30/21
CHECKED	RER	7/9/21
DESIGNED	RER	7/9/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE:
DWG. NO: E-001 C
CAD FILE: N:\2021\21033\MEP\21033 E-001.DWG
SHEET SIZE: D-24x36 REV

COMcheck Software Version 4.1.5.3

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Rockland Green Facility Improvements
Project Type: New Construction

Construction Site: 420 Torne Valley Road, Hillburn, NY 10931
Owner/Agent:
Designer/Contractor:

Additional Efficiency Package(s)

Credits: 1.0 Required 0.0 Proposed

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1 Existing (Office)	4684	0.79	3700
2 New Addition (Warehouse)	16678	0.48	8005
3 Existing (Warehouse)	30215	0.48	14503
		Total Allowed Watts =	26209

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Existing (Office)				
LED 1: A: 2' x 2' Flat Panel: Other:	1	17	13	221
LED 2: AE: 2' x 2' Flat Panel: Other:	1	16	13	208
LED 3: A1: 2' x 2' Flat Panel: Other:	1	3	18	54
LED 4: A1E: 2' x 2' Flat Panel: Other:	1	5	13	65
LED 5: A2: 2' x 2' Flat Panel: Other:	1	9	23	207
LED 6: A2E: 2' x 2' Flat Panel: Other:	1	3	23	69
LED 7: A3: 2' x 2' Flat Panel: Other:	1	9	41	369
LED 8: A3E: 2' x 2' Flat Panel: Other:	1	3	41	123
LED 9: A4: 2' x 2' Flat Panel: Other:	1	5	30	150
LED 10: A4E: 2' x 2' Flat Panel: Other:	1	1	30	30
LED 11: A5: 2' x 2' Flat Panel: Other:	1	3	33	99
LED 12: A5E: 2' x 2' Flat Panel: Other:	1	2	33	66
LED 13: A6: 2' x 2' Flat Panel: Other:	1	1	13	13
LED 14: B: 4' Linear: Other:	1	5	40	200
LED 15: BE: 4' Linear: Other:	1	4	40	160
LED 16: D1E: 4' Linear: Other:	1	1	20	20
LED 17: B2: 4' Linear: Other:	1	2	38	76
LED 18: B2E: 4' Linear: Other:	1	2	38	76
LED 19: D: 4' Wall Bracket: Other:	1	2	19	38
LED 20: D1: 4' Wall Bracket: Other:	1	3	12	36
LED 21: F: 4' High Bay: Other:	1	3	61	183

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
LED 22: FE: 4' High Bay: Other:	1	4	61	244
2-New Addition (Warehouse)				
LED 15: BE: 4' Linear: Other:	1	2	40	80
LED 23: C: High Bay: Other:	1	46	136	6256
LED 24: JE: 4' Vaportight: Other:	1	20	33	660
3-Existing (Warehouse)				
LED 15: BE: 4' Linear: Other:	1	2	40	80
LED 23: C: High Bay: Other:	1	62	136	8432
LED 24: JE: 4' Vaportight: Other:	1	40	33	1320
LED 25: SL: 4' Vaportight: Other:	1	20	47	940
LED 26: TL: High bay: Other:	1	10	136	1360
		Total Proposed Watts =		21835

Interior Lighting PASSES: Design 17% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

ROBERT E. ROWLANDS, PE — Name - Title
ELECT. ENGR.
Signature
8-27-2021 — Date

COMcheck Software Version 4.1.5.3

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Rockland Green Facility Improvements
Project Type: New Construction
Exterior Lighting Zone: 3 (Other (LZ3))

Construction Site: 420 Torne Valley Road, Hillburn, NY 10931
Owner/Agent:
Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Vehicle Access (Driveway)	86100 ft2	0.06	Yes	5166
Sidewalk (Walkway < 10 feet wide)	138 ft of	0.6	Yes	83
			Total Tradable Watts (a) =	5249
			Total Allowed Watts =	5249
			Total Allowed Supplemental Watts (b) =	500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Vehicle Access (Driveway 86100 ft2): Tradable Wattage				
LED 1: H: Wallpack: Other:	1	18	140	2520
LED 2: I: Floodlight: Other:	1	11	219	2409
Sidewalk (Walkway < 10 feet wide 138 ft of walkway length): Tradable Wattage				
LED 3: GE: Wallpack: Other:	1	15	21	315
		Total Tradable Proposed Watts =		5244

Exterior Lighting PASSES: Design 9% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

ROBERT E. ROWLANDS, PE — Name - Title
ELECT. ENGR.
Signature
8-27-2021 — Date

LIGHTING CONTROL NARRATIVE:

1. CONFERENCE ROOMS: CONTROLLED BY OCCUPANCY SENSORS AND DIMMER SWITCHES.
2. CORRIDORS: CONTROLLED BY TIME-OF-DAY SCHEDULE AND LOCAL OVERRIDE SWITCHES.
3. EMPLOYEE BREAK ROOM: CONTROLLED BY OCCUPANCY SENSORS AND DIMMER SWITCHES.
4. LOCKER ROOMS: CONTROLLED BY OCCUPANCY SENSOR SWITCHES
5. OPEN OFFICES: CONTROLLED BY TIME-OF-DAY SCHEDULE AND LOCAL OVERRIDE SWITCHES.
6. PRIVATE OFFICES: CONTROLLED BY OCCUPANCY SENSORS AND DIMMER SWITCHES.
7. PROCESS AREA:CONTROLLED BY TIME-OF-DAY SCHEDULE AND LOCAL OVERRIDE SWITCHES
8. STAIRS: CONTROLLED BY TIME-OF-DAY SCHEDULE AND LOCAL OVERRIDE SWITCHES.
9. TOILET ROOMS: CONTROLLED BY OCCUPANCY SENSOR SWITCHES.
10. UTILITY ROOMS (ELECTRICAL, IT CLOSET, JANITOR, SPRINKLER, STORAGE, ETC.): CONTROLLED BY OCCUPANCY SENSOR SWITCHES.
11. WAITING ROOM: CONTROLLED BY TIME-OF-DAY SCHEDULE AND LOCAL OVERRIDE SWITCHES
12. DAYLIGHT SENSORS PROVIDED IN ROOMS WITH EXTERIOR WINDOWS.
13. EXTERIOR LIGHTING: CONTROLLED BY ASTRONOMIC TIME CLOCK.

PROJECT
NORTH
KEY PLAN
AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers ENGINEERING CONSULTANTS
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
t.570.826.1000 | f.570.825.0888 | w. www.mrcpc.com

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ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

ENERGY COMPLIANCE FORMS

REV	DESCRIPTION	DATE	BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21	RER	RER
B	REVISED FOR RFP ADDENDUM 4	8/27/21		
A	ISSUED FOR RFP	7/30/21	RER	RER

STATE OF NEW YORK — MICHAEL BRITTON BALL — 085339 — LICENSED PROFESSIONAL ENGINEER
N.Y. P.E. LICENSE No. 083339

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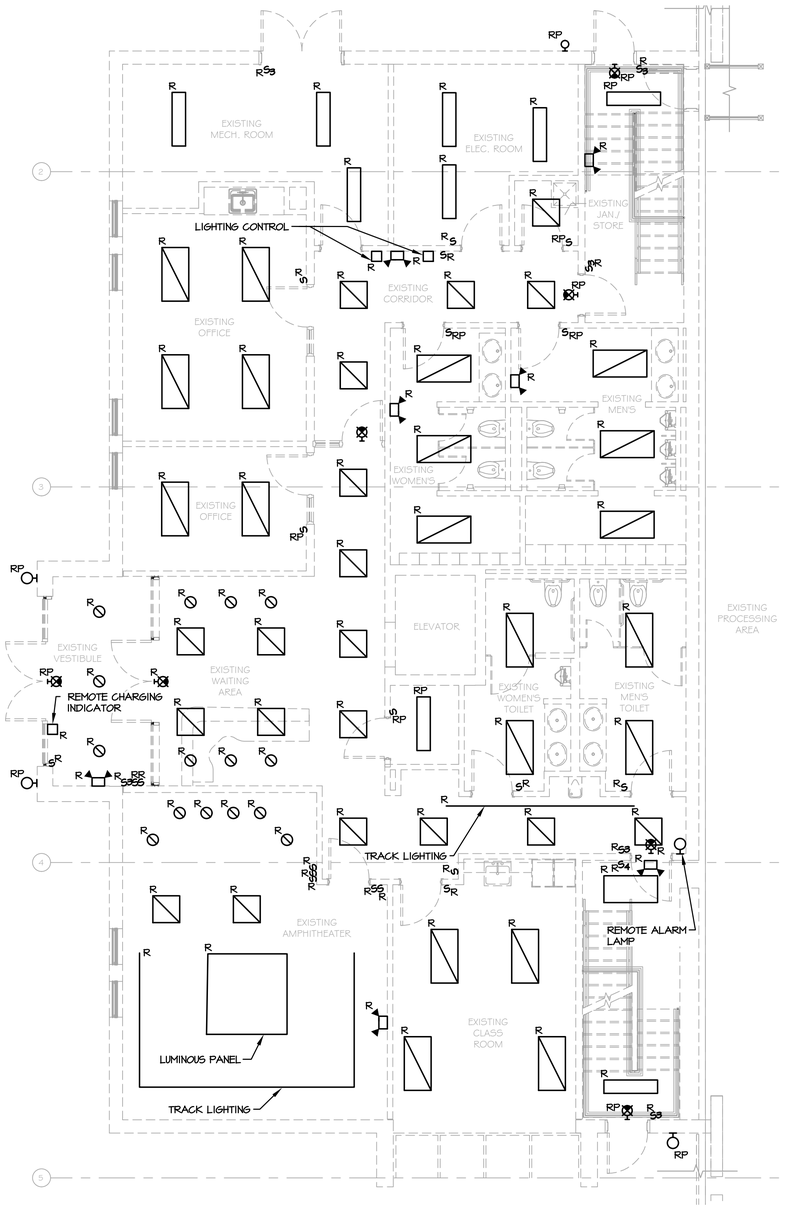
1 Huntington Quadrangle, 3S01 ph: 631-756-1060
Melville, N.Y. 11747 fax: 631-756-1064

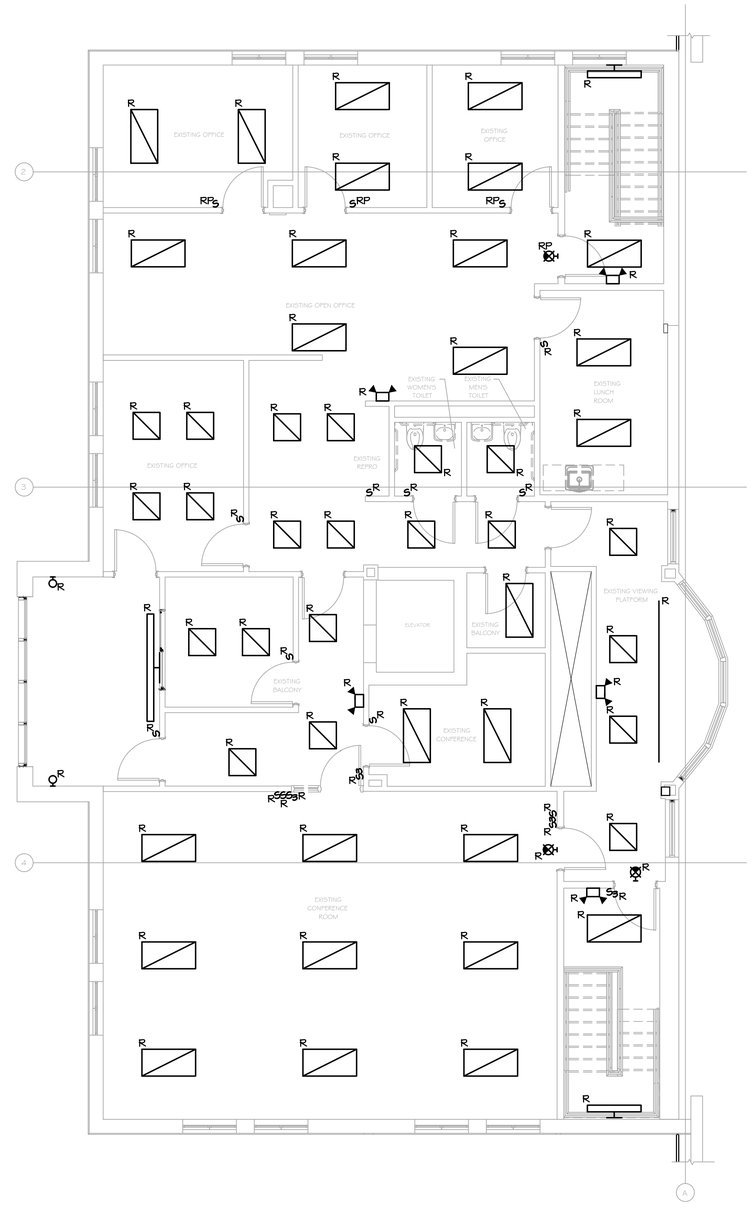
	BY	DATE
DRAWN	RER	7/30/21
CHECKED	RER	7/9/21
DESIGNED	RER	7/9/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE:
DWG. NO: E-002 REV: C
CAD FILE: N:\2021\21033\MEP\21033 E-002.DWG
SHEET SIZE: D-24x36



1 E-101 PARTIAL FIRST FLOOR PLAN - LIGHTING DEMOLITION

SCALE: 3/16"=1'-0"



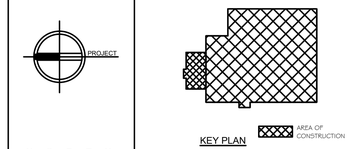
2 E-101 PARTIAL SECOND FLOOR PLAN - LIGHTING DEMOLITION

SCALE: 3/16"=1'-0"

NOTES:

1. REFER TO ARCHITECTURAL PLANS FOR AREAS AND PHASING OF WORK.
2. ELECTRICAL EQUIPMENT AND MATERIALS SHOWN ON DEMOLITION DRAWINGS ARE TO REMAIN UNLESS NOTED OTHERWISE.
3. ELECTRICAL EQUIPMENT AND MATERIALS INDICATED ON DEMOLITION DRAWING AS "REMOVE EXISTING DEVICE (R)" SHALL BE REMOVED AS WORK OF THIS DIVISION UNLESS NOTED OTHERWISE. ITEMS OF VALUE AS DETERMINED BY OWNER SHALL BE STORED ON SITE WHERE DIRECTED BY OWNER. EQUIPMENT AND MATERIAL THAT OWNER DOES NOT WISH TO RETAIN SHALL BE DISCARDED OFF SITE. DO NOT REMOVE ANY EQUIPMENT AND MATERIALS FROM SITE WITHOUT OWNER'S APPROVAL.
4. ELECTRICAL EQUIPMENT AND MATERIALS INDICATED ON DRAWINGS AS "RELOCATE EXISTING DEVICE (ER)" SHALL BE REMOVED, RELOCATED, REINSTALLED AND RECONNECTED UNLESS OTHERWISE NOTED ON THE DRAWINGS. BEFORE REINSTALLATION, EQUIPMENT AND MATERIALS SHALL BE CLEANED AND NICKS AND SCRATCHES SHALL BE TOUCHED UP.
5. ELECTRICAL DEVICES INDICATED ON DRAWINGS AS "REMOVE AND REPLACE (RP)" SHALL BE REMOVED AND REPLACED WITH NEW DEVICES. OUTLET BOXES AND BRANCH CIRCUITS SHALL REMAIN AND BE REUSED.
6. REMOVE ALL ELECTRICAL ITEMS LOCATED ALONG DASHED WALLS (IF INDICATED) WITHIN THE PROJECT AREA. VERIFY ALL QUANTITIES OF DEVICES TO BE DEMOLISHED AND THE EXTENT OF DEMOLITION WORK AT THE SITE PRIOR TO BID DATE.
7. DEVICES IN WALLS AND CEILINGS (EXAMPLES: SWITCHES AND LIGHTING FIXTURES) THAT ARE EXISTING TO REMAIN IN AREAS WHICH ARE COSMETICALLY UPGRADED, SHALL BE TEMPORARILY DISCONNECTED AND REMOVED TO ALLOW FOR INSTALLATION OF NEW CEILING GRIDS, NEW WALL SURFACE PREPARATIONS, PAINTING, ETC. REINSTALL ALL DEVICES IN SIMILAR LOCATIONS AFTER WORK IS COMPLETED. PROVIDE BOX EXTENSIONS/RELOCATIONS AS REQUIRED. COORDINATE WITH ARCHITECTURAL PLANS FOR EXTENT OF NEW FINISHES IN EACH AREA. VERIFY ALL QUANTITIES OF DEVICES AND THE EXTENT OF ALL SUCH WORK AT THE SITE PRIOR TO BID DATE.
8. CONDUIT REMAINING IN PLACE MAY BE REUSED, PROVIDED CONDUIT IS THOROUGHLY CLEANED BEFORE NEW WIRE IS INSTALLED. THE REUSE OF ANY CONDUIT SHALL REQUIRE THE INSTALLATION OF A GREEN WIRE GROUND. CONDUIT REMAINING IN PLACE, AND TO BE REUSED, SHALL RUN IN SAME DIRECTION THAT NEW CONDUIT AND WIRE WOULD RUN, IF NEW WIRE AND CONDUIT WERE INSTALLED. REMOVED CONDUIT AND WIRE SHALL NOT BE REUSED.
9. CIRCUITS SHALL BE MADE CONTINUOUS WHERE ELECTRICAL ITEMS ARE REMOVED FROM THE MIDDLE OF THOSE CIRCUITS CONTAINING OTHER ITEMS TO REMAIN ON THOSE SAME CIRCUITS.
10. IF AN ELECTRICAL ITEM TO BE REMOVED IS LOCATED ON THE END OF A CIRCUIT, REMOVE THE WIRE AND EXPOSED CONDUIT BACK TO THE NEXT ACTIVE ITEM ON THAT CIRCUIT.
11. IF AN ELECTRICAL ITEM TO BE REMOVED IS THE ONLY ITEM ON THE CIRCUIT, REMOVE THE WIRE AND EXPOSED CONDUIT BACK TO THE PANELBOARD AND, UNLESS OTHERWISE NOTED ON THE DRAWINGS, THE CIRCUIT BREAKER FOR THAT CIRCUIT SHALL BECOME A SPARE. REVISE PANEL DIRECTORY.
12. COORDINATE DEMOLITION WITH OTHER TRADES.
13. ALL PANELBOARD DIRECTORIES AFFECTED BY THIS WORK SHALL BE UPDATED UPON COMPLETION OF THIS PROJECT. DIRECTORIES SHALL BE TYPED.
14. PROVIDE BLANK COVERS ON ALL ABANDONED RECESSED ELECTRICAL BOXES. COVER MATERIAL/FINISH/COLOR TO MATCH NEW DEVICES.
15. THE CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK. HE SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER FOR CORRECTION PRIOR TO BEGINNING ANY WORK. DISCOVERY OF ANY DISCREPANCIES AFTER THE WORK HAS COMMENCED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
16. DO NOT SCALE THESE DRAWINGS FOR EXACT DIMENSIONS, VERIFY ALL FIGURES, CONDITIONS, DIMENSIONS, ETC AT THE JOB SITE.
17. WHERE AN EXISTING, OR PORTION OF AN EXISTING CONDUIT RUN TO BE REMOVED IS PARTIALLY EXPOSED AND PARTIALLY CONCEALED, THE EXPOSED PORTION SHALL BE REMOVED TO A CONCEALED POINT BEYOND THE SURFACE, I.E. A WALL, A CEILING, A FLOOR, AND THE SURFACE SHALL BE PATCHED TO MATCH EXISTING.
18. REQUIREMENTS FOR EXISTING EXPOSED CONDUIT, AS STATED ABOVE, SHALL ALSO APPLY TO EXISTING CONCEALED CONDUIT RUNS LOCATED ABOVE EXISTING ACCESSIBLE TILE CEILING OR EXISTING CONDUIT RUNS THAT WILL BE LOCATED ABOVE NEW ACCESSIBLE TILE CEILINGS.

PROJECT



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STATE OF NEW YORK · MICHAEL BRITTON GILL · No. 083339 · LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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Rockland Green

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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FLOOR PLANS - LIGHTING DEMOLITION

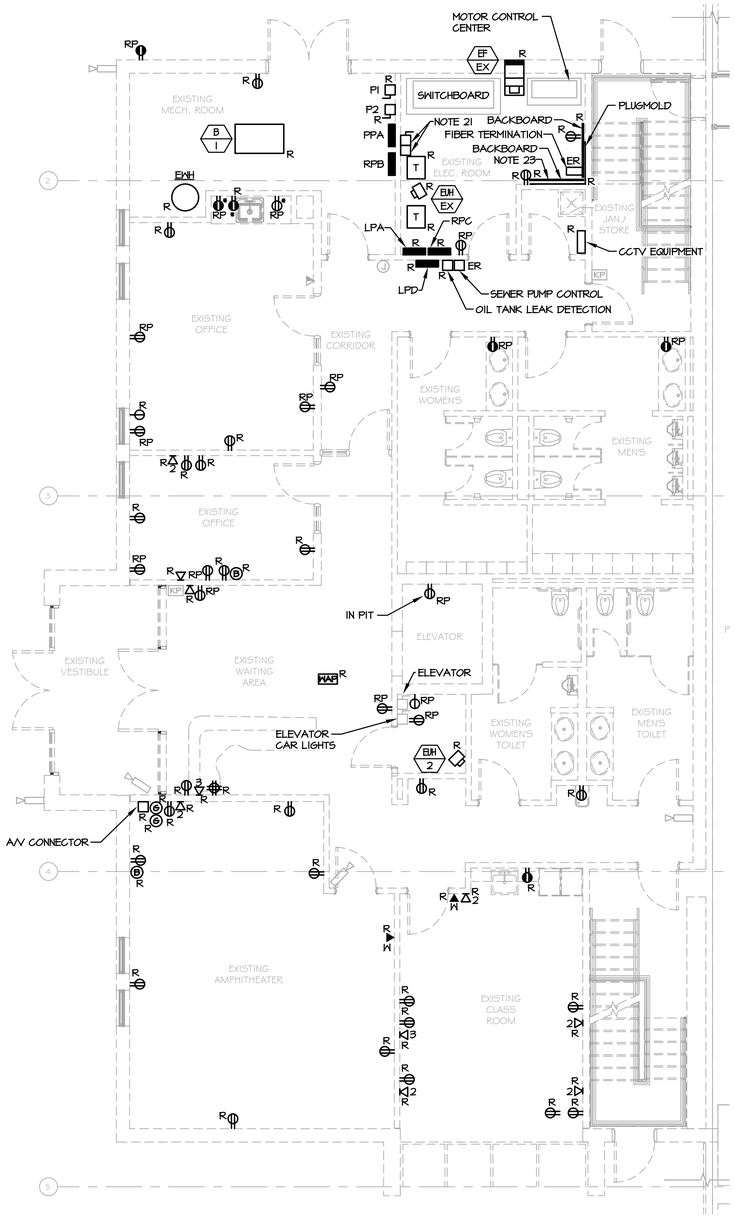
	BY	DATE
DRAWN	RER	7/30/21
CHECKED	RER	7/9/21
DESIGNED	RER	7/9/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE:

DWG. NO: E-101 C

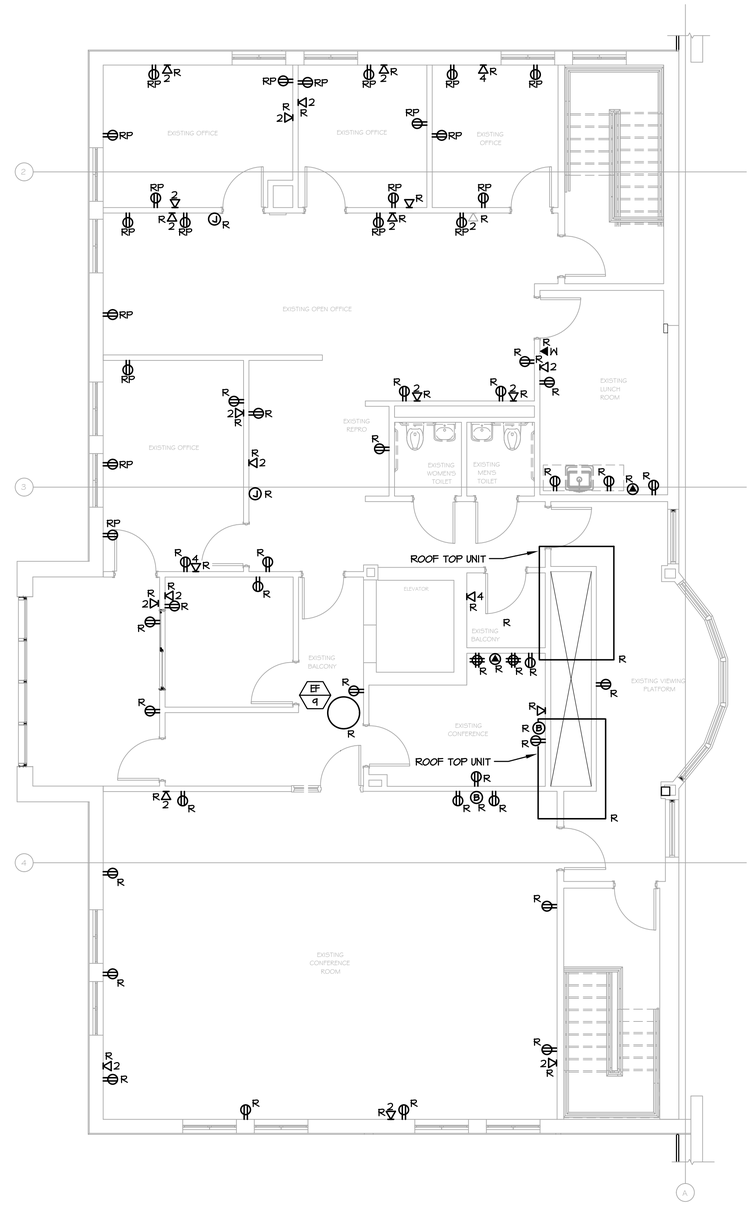
CAD FILE: N:\2021\21033\MEP\21033 E-101.DWG

SHEET SIZE: D-24x36 REV



1 E-102 PARTIAL FIRST FLOOR PLAN - POWER AND SYSTEMS DEMOLITION

SCALE: 3/16"=1'-0"



2 E-102 PARTIAL SECOND FLOOR PLAN - POWER AND SYSTEMS DEMOLITION

SCALE: 3/16"=1'-0"

NOTES:

1. REFER TO ARCHITECTURAL PLANS FOR AREAS AND PHASING OF WORK.
2. ELECTRICAL EQUIPMENT AND MATERIALS SHOWN ON DEMOLITION DRAWINGS ARE TO REMAIN UNLESS NOTED OTHERWISE.
3. ELECTRICAL EQUIPMENT AND MATERIALS INDICATED ON DEMOLITION DRAWING AS "REMOVE EXISTING DEVICE (R)" SHALL BE REMOVED AS WORK OF THIS DIVISION UNLESS NOTED OTHERWISE. ITEMS OF VALUE AS DETERMINED BY OWNER SHALL BE STORED ON SITE WHERE DIRECTED BY OWNER. EQUIPMENT AND MATERIAL THAT OWNER DOES NOT WISH TO RETAIN SHALL BE DISCARDED OFF SITE. DO NOT REMOVE ANY EQUIPMENT AND MATERIALS FROM SITE WITHOUT OWNER'S APPROVAL.
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5. ELECTRICAL DEVICES INDICATED ON DRAWINGS AS "REMOVE AND REPLACE (RP)" SHALL BE REMOVED AND REPLACED WITH NEW DEVICES. OUTLET BOXES AND BRANCH CIRCUITS SHALL REMAIN AND BE REUSED.
6. REMOVE ALL ELECTRICAL ITEMS LOCATED ALONG DASHED WALLS (IF INDICATED) WITHIN THE PROJECT AREA. VERIFY ALL QUANTITIES OF DEVICES TO BE DEMOLISHED AND THE EXTENT OF DEMOLITION WORK AT THE SITE PRIOR TO BID DATE.
7. DEVICES IN WALLS AND CEILINGS (EXAMPLES: RECEPTACLES AND COMMUNICATION OUTLETS) THAT ARE EXISTING TO REMAIN IN AREAS WHICH ARE COSMETICALLY UPGRADED, SHALL BE TEMPORARILY DISCONNECTED AND REMOVED TO ALLOW FOR INSTALLATION OF NEW CEILING GRIDS, NEW WALL SURFACE PREPARATIONS, PAINTING, ETC. REINSTALL ALL DEVICES IN SIMILAR LOCATIONS AFTER WORK IS COMPLETED. PROVIDE BOX EXTENSIONS/RELOCATIONS AS REQUIRED. COORDINATE WITH ARCHITECTURAL PLANS FOR EXTENT OF NEW FINISHES IN EACH AREA. VERIFY ALL QUANTITIES OF DEVICES AND THE EXTENT OF ALL SUCH WORK AT THE SITE PRIOR TO BID DATE.
8. CONDUIT REMAINING IN PLACE MAY BE REUSED, PROVIDED CONDUIT IS THOROUGHLY CLEANED BEFORE NEW WIRE IS INSTALLED. THE REUSE OF ANY CONDUIT SHALL REQUIRE THE INSTALLATION OF A GREEN WIRE GROUND. CONDUIT REMAINING IN PLACE, AND TO BE REUSED, SHALL RUN IN SAME DIRECTION THAT NEW CONDUIT AND WIRE WOULD RUN, IF NEW WIRE AND CONDUIT WERE INSTALLED. REMOVED CONDUIT AND WIRE SHALL NOT BE REUSED.
9. CIRCUITS SHALL BE MADE CONTINUOUS WHERE ELECTRICAL ITEMS ARE REMOVED FROM THE MIDDLE OF THOSE CIRCUITS CONTAINING OTHER ITEMS TO REMAIN ON THOSE SAME CIRCUITS.
10. IF AN ELECTRICAL ITEM TO BE REMOVED IS LOCATED ON THE END OF A CIRCUIT, REMOVE THE WIRE AND EXPOSED CONDUIT BACK TO THE NEXT ACTIVE ITEM ON THAT CIRCUIT.
11. IF AN ELECTRICAL ITEM TO BE REMOVED IS THE ONLY ITEM ON THE CIRCUIT, REMOVE THE WIRE AND EXPOSED CONDUIT BACK TO THE PANELBOARD AND, UNLESS OTHERWISE NOTED ON THE DRAWINGS, THE CIRCUIT BREAKER FOR THAT CIRCUIT SHALL BECOME A SPARE. REVISE PANEL DIRECTORY.
12. COORDINATE DEMOLITION WITH OTHER TRADES.
13. DISCONNECT AND REMOVE ALL EXISTING BRANCH CIRCUITS ASSOCIATED WITH HVAC AND PLUMBING EQUIPMENT INDICATED TO BE REMOVED. EQUIPMENT REMOVED BY OTHERS. WHERE NOTED, REUSE EXISTING CIRCUITS FOR NEW EQUIPMENT.
14. ALL PANELBOARD DIRECTORIES AFFECTED BY THIS WORK SHALL BE UPDATED UPON COMPLETION OF THIS PROJECT. DIRECTORIES SHALL BE TYPED.
15. PROVIDE BLANK COVERS ON ALL ABANDONED RECESSED ELECTRICAL BOXES. COVER MATERIAL/FINISH/COLOR TO MATCH NEW DEVICES.
16. DEMOLITION OF EXISTING DATA/VOICE WIRING SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR. REMOVE CABLING, TERMINATION, PLATE, JACK AND ASSOCIATED BOXES AND CONDUIT. COORDINATE ALL WORK RELATED TO COMMUNICATIONS SYSTEMS WITH OWNER'S I.T. REPRESENTATIVE.
17. THE CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK. HE SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER FOR CORRECTION PRIOR TO BEGINNING ANY WORK. DISCOVERY OF ANY DISCREPANCIES AFTER THE WORK HAS COMMENCED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
18. DO NOT SCALE THESE DRAWINGS FOR EXACT DIMENSIONS, VERIFY ALL FIGURES, CONDITIONS, DIMENSIONS, ETC AT THE JOB SITE.
19. WHERE AN EXISTING, OR PORTION OF AN EXISTING CONDUIT RUN TO BE REMOVED IS PARTIALLY EXPOSED AND PARTIALLY CONCEALED, THE EXPOSED PORTION SHALL BE REMOVED TO A CONCEALED POINT BEYOND THE SURFACE, I.E. A WALL, A CEILING, A FLOOR, AND THE SURFACE SHALL BE PATCHED TO MATCH EXISTING.
20. REQUIREMENTS FOR EXISTING EXPOSED CONDUIT, AS STATED ABOVE, SHALL ALSO APPLY TO EXISTING CONCEALED CONDUIT RUNS LOCATED ABOVE EXISTING ACCESSIBLE TILE CEILING OR EXISTING CONDUIT RUNS THAT WILL BE LOCATED ABOVE NEW ACCESSIBLE TILE CEILINGS.
21. DISCONNECT SWITCH AND DIGITAL METER FOR ADMINISTRATION.
22. DEMOLITION OF THE FIRE ALARM SYSTEM IS A SEPARATE CONTRACT AND IS SHOWN ON A SEPARATE SET OF CONTRACT DOCUMENTS.
23. COORDINATE EXTENT OF REMOVAL OD I.T./COMMUNICATION EQUIPMENT WITH OWNER'S VENDOR.

EQUIPMENT INFORMATION:

- SWITCHBOARD: 277/480V, 3Φ, 4W, 1200A MCB
- MOTOR CONTROL CENTER: 480V, 3Φ, 3W, 600A MLO
- PANELBOARD LPA: 277/480V, 3Φ, 4W, 250A MLO
- PANELBOARD LPD: 277/480V, 3Φ, 4W, 250A MLO
- PANELBOARD PPA: 277/480V, 3Φ, 4W, 100A MCB
- PANELBOARD RPB: 120/208V, 3Φ, 4W, 100A MCB
- PANELBOARD RPC: 120/208V, 3Φ, 4W, 100A MCB

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
ENGINEERING CONSULTANTS
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STATE OF NEW YORK · MICHAEL BRITTON BELL · No. 083339 · LICENSED PROFESSIONAL ENGINEER

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Rockland Green

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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FLOOR PLANS -
POWER AND SYSTEMS DEMOLITION

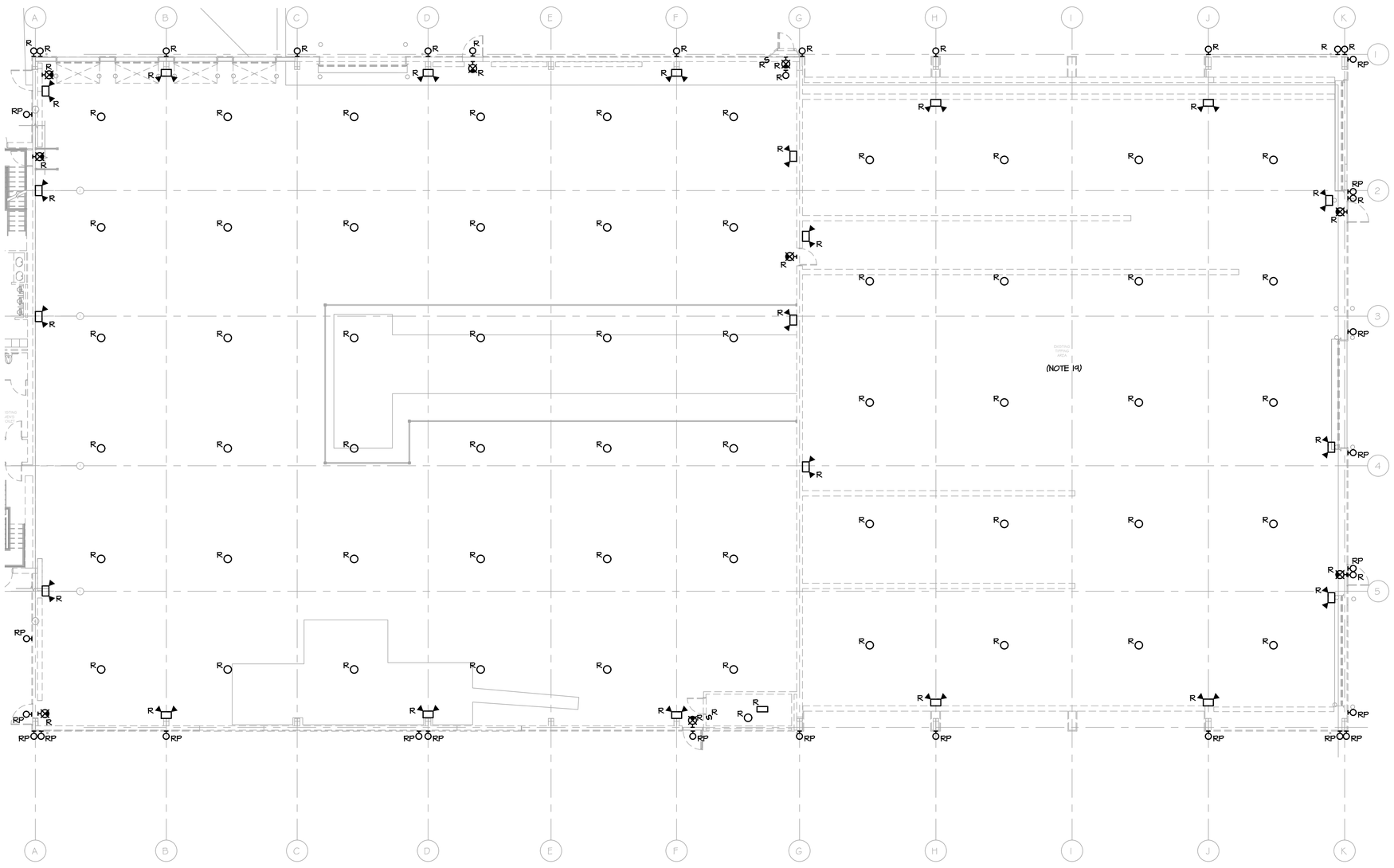
	BY	DATE
DRAWN	RER	7/30/21
CHECKED	RER	7/30/21
DESIGNED	RER	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE:

DWG. NO: E-102 C

CAD FILE: N:\2021\21033\MEP\21033 E-102.DWG

SHEET SIZE: D-24x36 REV



1
E-103

PARTIAL FIRST FLOOR PLAN - LIGHTING DEMOLITION

SCALE: 3/32"=1'-0"

NOTES:

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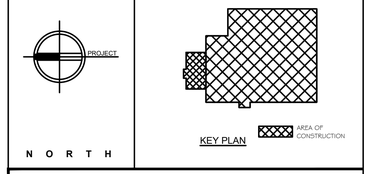
16. DO NOT SCALE THESE DRAWINGS FOR EXACT DIMENSIONS, VERIFY ALL FIGURES, CONDITIONS, DIMENSIONS, ETC AT THE JOB SITE.
17. WHERE AN EXISTING, OR PORTION OF AN EXISTING CONDUIT RUN TO BE REMOVED IS PARTIALLY EXPOSED AND PARTIALLY CONCEALED, THE EXPOSED PORTION SHALL BE REMOVED TO A CONCEALED POINT BEYOND THE SURFACE, I.E. A WALL, A CEILING, A FLOOR, AND THE SURFACE SHALL BE PATCHED TO MATCH EXISTING.
18. REQUIREMENTS FOR EXISTING EXPOSED CONDUIT, AS STATED ABOVE, SHALL ALSO APPLY TO EXISTING CONCEALED CONDUIT RUNS LOCATED ABOVE EXISTING ACCESSIBLE TILE CEILING OR EXISTING CONDUIT RUNS THAT WILL BE LOCATED ABOVE NEW ACCESSIBLE TILE CEILINGS.
19. FIELD VERIFY ELECTRICAL EQUIPMENT TO BE REMOVED IN EXISTING TIPPING AREA.

PROJECT



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A	ISSUED FOR RFP	7/30/21	RER	RER

STATE OF NEW YORK
MICHAEL BRITTON BILLY
NO. 083339
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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Rockland Green

ROCKLAND GREEN
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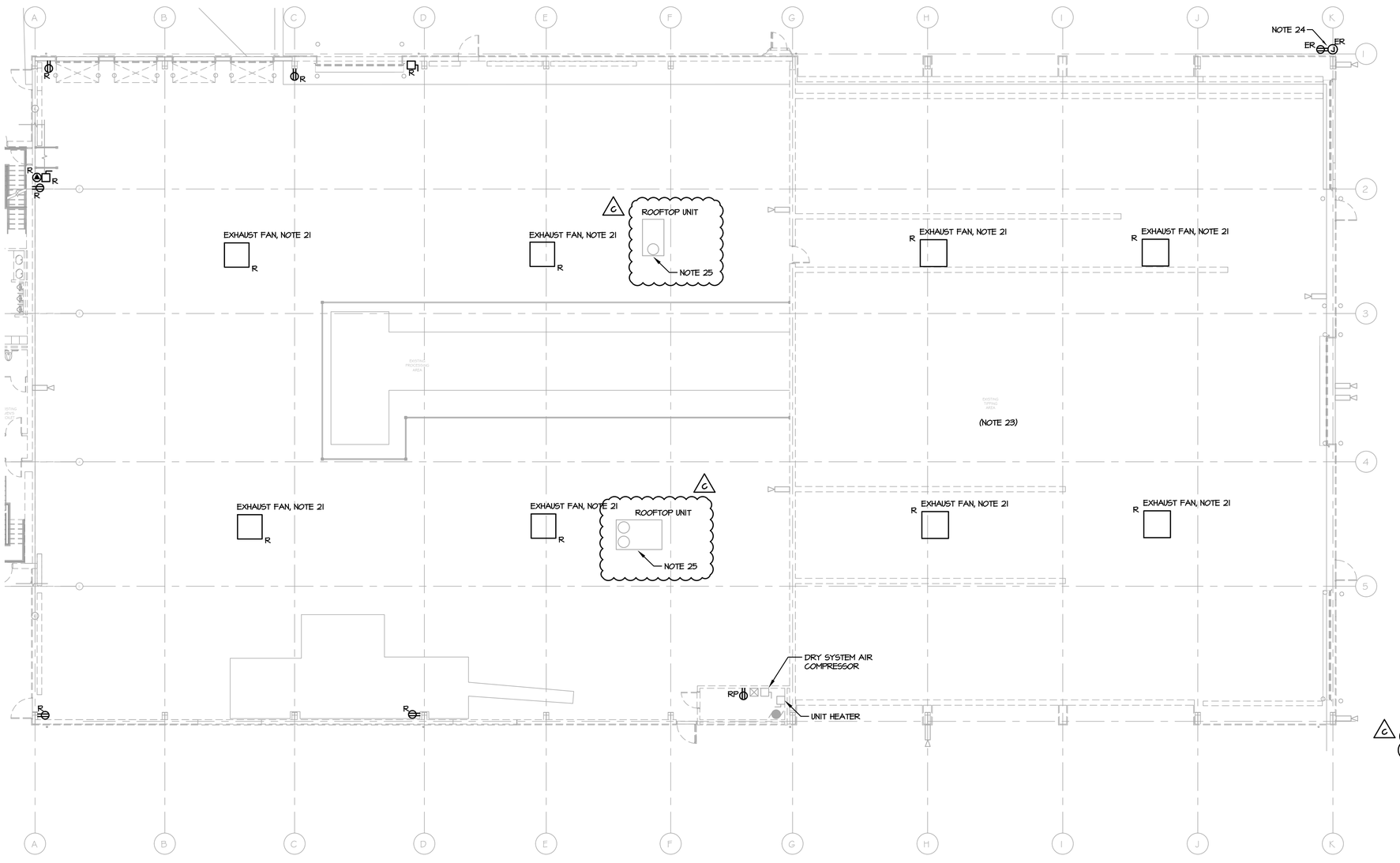
PARTIAL FIRST FLOOR PLAN - LIGHTING DEMOLITION

	BY	DATE
DRAWN	RER	7/30/21
CHECKED	RER	7/30/21
DESIGNED	RER	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010
SCALE:
DWG. NO: E-103
C
CAD FILE: N:\2021\21033\MEP\21033 E-103.DWG
SHEET SIZE: D-24x36
REV



1
E-104

PARTIAL FIRST FLOOR PLAN - POWER AND SYSTEMS DEMOLITION

SCALE: 3/32"=1'-0"

NOTES:

1. REFER TO ARCHITECTURAL PLANS FOR AREAS AND PHASING OF WORK.
2. ELECTRICAL EQUIPMENT AND MATERIALS SHOWN ON DEMOLITION DRAWINGS ARE TO REMAIN UNLESS NOTED OTHERWISE.
3. ELECTRICAL EQUIPMENT AND MATERIALS INDICATED ON DEMOLITION DRAWING AS "REMOVE EXISTING DEVICE (R)" SHALL BE REMOVED AS WORK OF THIS DIVISION UNLESS NOTED OTHERWISE. ITEMS OF VALUE AS DETERMINED BY OWNER SHALL BE STORED ON SITE WHERE DIRECTED BY OWNER. EQUIPMENT AND MATERIAL THAT OWNER DOES NOT WISH TO RETAIN SHALL BE DISCARDED OFF SITE. DO NOT REMOVE ANY EQUIPMENT AND MATERIALS FROM SITE WITHOUT OWNER'S APPROVAL.
4. ELECTRICAL EQUIPMENT AND MATERIALS INDICATED ON DRAWINGS AS "RELOCATE EXISTING DEVICE (ER)" SHALL BE REMOVED, RELOCATED, REINSTALLED AND RECONNECTED UNLESS OTHERWISE NOTED ON THE DRAWINGS. BEFORE REINSTALLATION, EQUIPMENT AND MATERIALS SHALL BE CLEANED AND NICKS AND SCRATCHES SHALL BE TOUCHED UP.
5. ELECTRICAL DEVICES INDICATED ON DRAWINGS AS "REMOVE AND REPLACE (RP)" SHALL BE REMOVED AND REPLACED WITH NEW DEVICES. OUTLET BOXES AND BRANCH CIRCUITS SHALL REMAIN AND BE REUSED.
6. REMOVE ALL ELECTRICAL ITEMS LOCATED ALONG DASHED WALLS (IF INDICATED) WITHIN THE PROJECT AREA. VERIFY ALL QUANTITIES OF DEVICES TO BE DEMOLISHED AND THE EXTENT OF DEMOLITION WORK AT THE SITE PRIOR TO BID DATE.
7. DEVICES IN WALLS AND CEILINGS (EXAMPLES: RECEPTACLES, COMMUNICATION OUTLETS AND FIRE ALARM) THAT ARE EXISTING TO REMAIN IN AREAS WHICH ARE COSMETICALLY UPGRADED, SHALL BE TEMPORARILY DISCONNECTED AND REMOVED TO ALLOW FOR INSTALLATION OF NEW CEILING GRIDS, NEW WALL SURFACE PREPARATIONS, PAINTING, ETC. REINSTALL ALL DEVICES IN SIMILAR LOCATIONS AFTER WORK IS COMPLETED. PROVIDE BOX EXTENSIONS/RELOCATIONS AS REQUIRED. COORDINATE WITH ARCHITECTURAL PLANS FOR EXTENT OF NEW FINISHES IN EACH AREA. VERIFY ALL QUANTITIES OF DEVICES AND THE EXTENT OF ALL SUCH WORK AT THE SITE PRIOR TO BID DATE.
8. CONDUIT REMAINING IN PLACE MAY BE REUSED, PROVIDED CONDUIT IS THOROUGHLY CLEANED BEFORE NEW WIRE IS INSTALLED. THE REUSE OF ANY CONDUIT SHALL REQUIRE THE INSTALLATION OF A GREEN WIRE GROUND. CONDUIT REMAINING IN PLACE, AND TO BE REUSED, SHALL RUN IN SAME DIRECTION THAT NEW CONDUIT AND WIRE WOULD RUN, IF NEW WIRE AND CONDUIT WERE INSTALLED. REMOVED CONDUIT AND WIRE SHALL NOT BE REUSED.
9. CIRCUITS SHALL BE MADE CONTINUOUS WHERE ELECTRICAL ITEMS ARE REMOVED FROM THE MIDDLE OF THOSE CIRCUITS CONTAINING OTHER ITEMS TO REMAIN ON THOSE SAME CIRCUITS.
10. IF AN ELECTRICAL ITEM TO BE REMOVED IS LOCATED ON THE END OF A CIRCUIT, REMOVE THE WIRE AND EXPOSED CONDUIT BACK TO THE NEXT ACTIVE ITEM ON THAT CIRCUIT.
11. IF AN ELECTRICAL ITEM TO BE REMOVED IS THE ONLY ITEM ON THE CIRCUIT, REMOVE THE WIRE AND EXPOSED CONDUIT BACK TO THE PANELBOARD AND, UNLESS OTHERWISE NOTED ON THE DRAWINGS, THE CIRCUIT BREAKER FOR THAT CIRCUIT SHALL BECOME A SPARE. REVISE PANEL DIRECTORY.
12. COORDINATE DEMOLITION WITH OTHER TRADES.
13. DISCONNECT AND REMOVE ALL EXISTING BRANCH CIRCUITS ASSOCIATED WITH HVAC AND PLUMBING EQUIPMENT INDICATED TO BE REMOVED. EQUIPMENT REMOVED BY OTHERS. WHERE NOTED, REUSE EXISTING CIRCUITS FOR NEW EQUIPMENT.
14. ALL PANELBOARD DIRECTORIES AFFECTED BY THIS WORK SHALL BE UPDATED UPON COMPLETION OF THIS PROJECT. DIRECTORIES SHALL BE TYPED.
15. PROVIDE BLANK COVERS ON ALL ABANDONED RECESSED ELECTRICAL BOXES. COVER MATERIAL/FINISH/COLOR TO MATCH NEW DEVICES.
16. DEMOLITION OF EXISTING DATA/VOICE WIRING SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR. REMOVE CABLING, TERMINATION, PLATE, JACK AND ASSOCIATED BOXES AND CONDUIT. COORDINATE ALL WORK RELATED TO COMMUNICATIONS SYSTEMS WITH OWNER'S I.T. REPRESENTATIVE.
17. THE CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK. HE SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER FOR CORRECTION PRIOR TO BEGINNING ANY WORK. DISCOVERY OF ANY DISCREPANCIES AFTER THE WORK HAS COMMENCED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
18. DO NOT SCALE THESE DRAWINGS FOR EXACT DIMENSIONS, VERIFY ALL FIGURES, CONDITIONS, DIMENSIONS, ETC AT THE JOB SITE.
19. WHERE AN EXISTING, OR PORTION OF AN EXISTING CONDUIT RUN TO BE REMOVED IS PARTIALLY EXPOSED AND PARTIALLY CONCEALED, THE EXPOSED PORTION SHALL BE REMOVED TO A CONCEALED POINT BEYOND THE SURFACE, I.E. A WALL, A CEILING, A FLOOR, AND THE SURFACE SHALL BE PATCHED TO MATCH EXISTING.
20. REQUIREMENTS FOR EXISTING EXPOSED CONDUIT, AS STATED ABOVE, SHALL ALSO APPLY TO EXISTING CONCEALED CONDUIT RUNS LOCATED ABOVE EXISTING ACCESSIBLE TILE CEILING OR EXISTING CONDUIT RUNS THAT WILL BE LOCATED ABOVE NEW ACCESSIBLE TILE CEILINGS.
21. BRANCH CIRCUIT FROM MOTOR CONTROL CENTER (MCC) SHALL REMAIN AND BE REUSED TO SERVE REPLACEMENT EXHAUST FAN.
22. DEMOLITION OF THE FIRE ALARM SYSTEM IS A SEPARATE CONTRACT AND IS SHOWN ON A SEPARATE SET OF CONTRACT DOCUMENTS.
23. FIELD VERIFY EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED IN EXISTING TIPPING AREA.
24. RELOCATE POWER FOR FUEL OIL PUMP TO NEW LOCATION AS INDICATED ON CIVIL SITE PLAN.
25. ROOFTOP UNIT TO BE ABANDONED IN PLACE. REMOVE BRANCH CIRCUIT IN ITS ENTIRETY. (C)

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

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STATE OF NEW YORK
MICHAEL BRITTON GRILL
083339
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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PARTIAL FIRST FLOOR PLAN -
POWER AND SYSTEMS DEMOLITION

	BY	DATE
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DESIGNED	RER	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE:

DWG. NO: E-104 C

CAD FILE: N:\2021\21033\MEP\21033 E-104.DWG

SHEET SIZE: D-24x36

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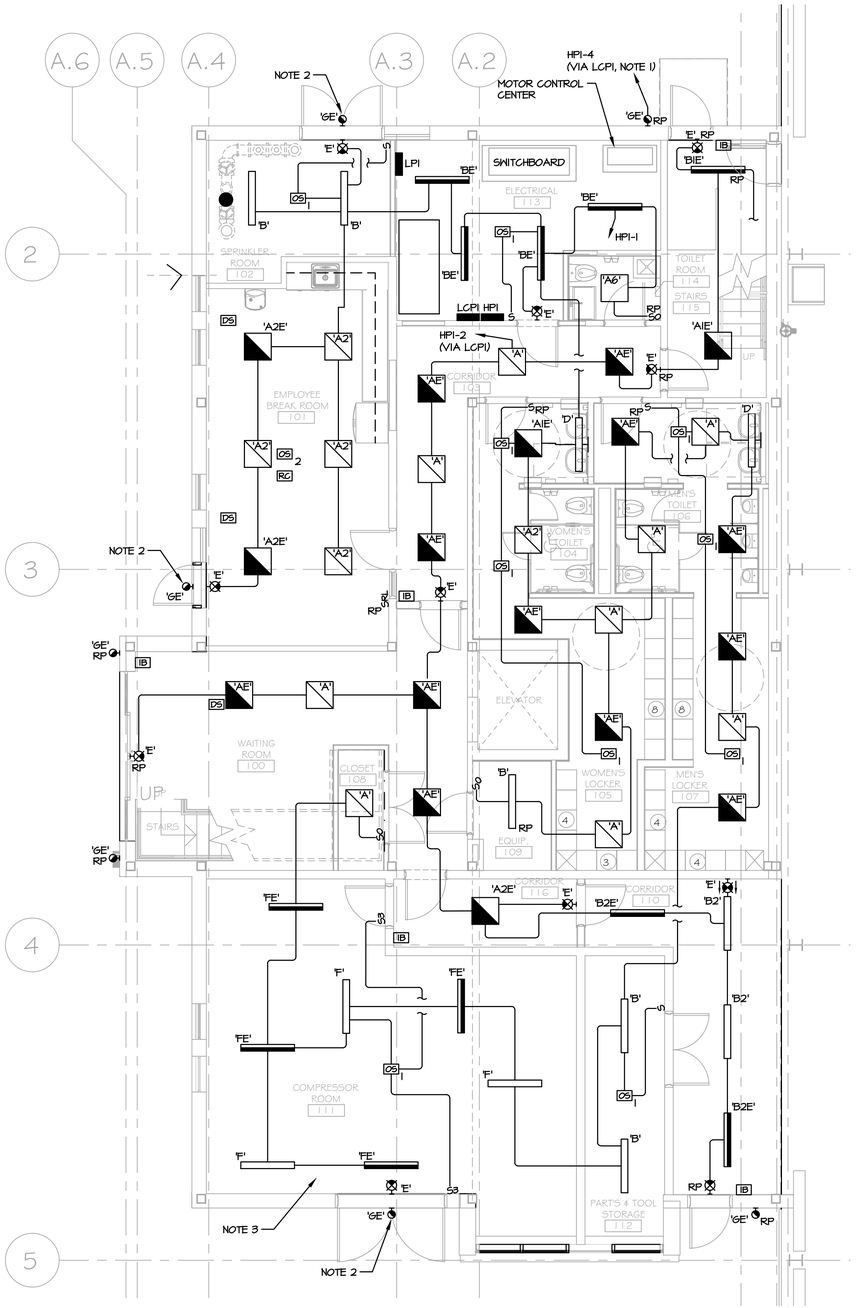
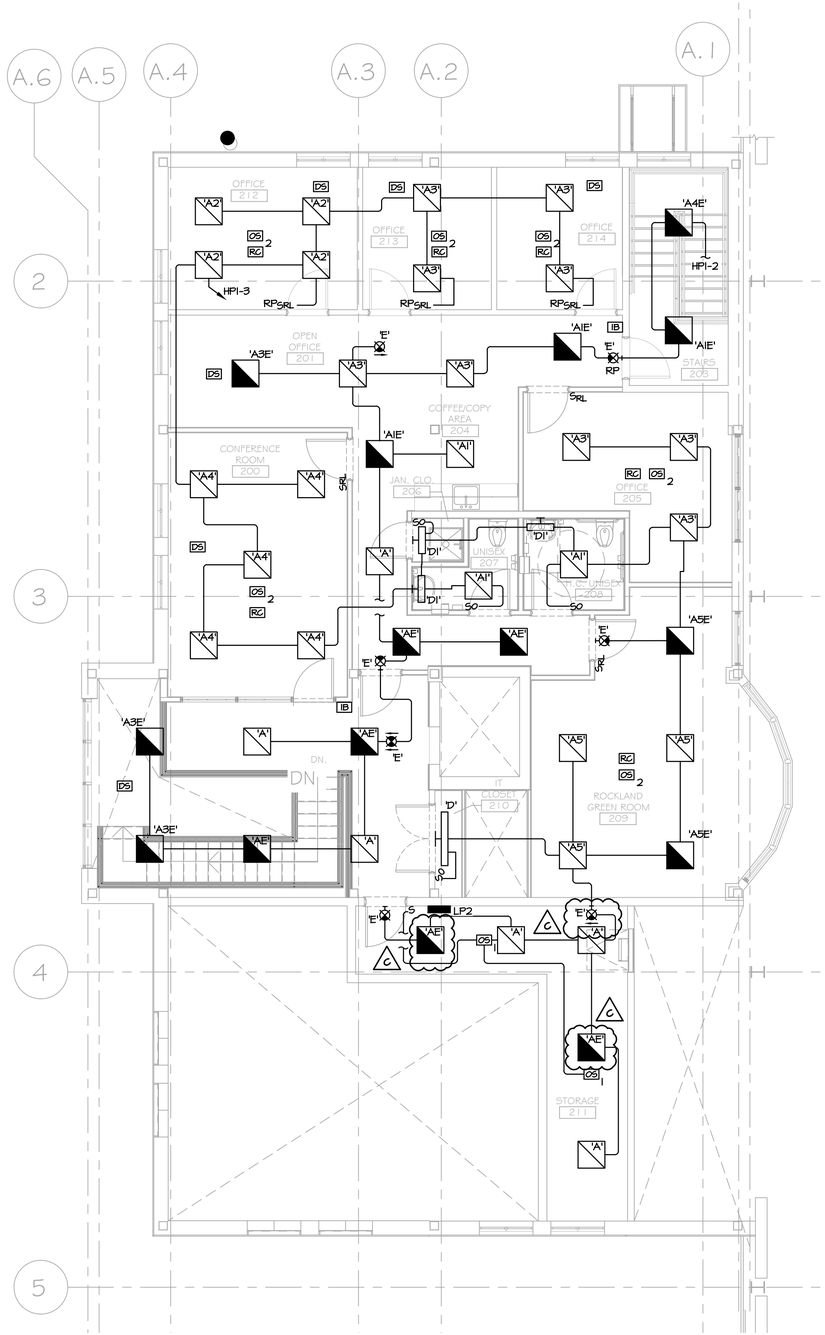


1 E-201 PARTIAL FIRST FLOOR PLAN - LIGHTING
SCALE: 3/16"=1'-0"

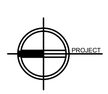


2 E-201 PARTIAL SECOND FLOOR PLAN - LIGHTING
SCALE: 3/16"=1'-0"

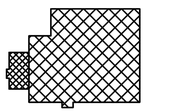
NOTES:

1. RECIRCUIT EXISTING EXTERIOR BRANCH LIGHTING CIRCUIT AS INDICATED. EXISTING EXTERIOR BRANCH LIGHTING CIRCUIT SERVES ALL EXISTING EXTERIOR LIGHTING FIXTURES INDICATED TO BE REPLACED.
2. CONNECT NEW LIGHTING FIXTURE TO EXISTING EXTERIOR BRANCH LIGHTING CIRCUIT THAT IS BEING RECIRCUITED, SEE NOTE 1.
3. ALL COMPRESSOR ROOM LIGHTING FIXTURES SHALL BE ROUGHED-IN PRIOR TO COMPRESSOR EQUIPMENT INSTALLATION AND COORDINATED WITH THE EQUIPMENT LOCATION AND DUCTWORK SO THERE IS NO INTERFERENCE. ALL LIGHTING FIXTURES SHALL BE FIELD LOCATED BY ELECTRICAL CONTRACTOR AFTER COMPRESSOR EQUIPMENT IS INSTALLED. OBTAIN LOCATION AND HEIGHT APPROVAL FROM OWNER'S ENGINEER'S REPRESENTATIVE IN FIELD PRIOR INSTALLATION.

PROJECT



NORTH



KEY PLAN

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PARTIAL FLOOR PLANS - LIGHTING

REV	DESCRIPTION	DATE BY CHK
C	ISSUED FOR CONSTRUCTION	10/27/21 RER RER
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N.Y. P.E. LICENSE No. 083339

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PROJ. No: 499-010
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DWG. NO: E-201
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CAD FILE: N:\2021\21033\MEP\21033 E-201.DWG
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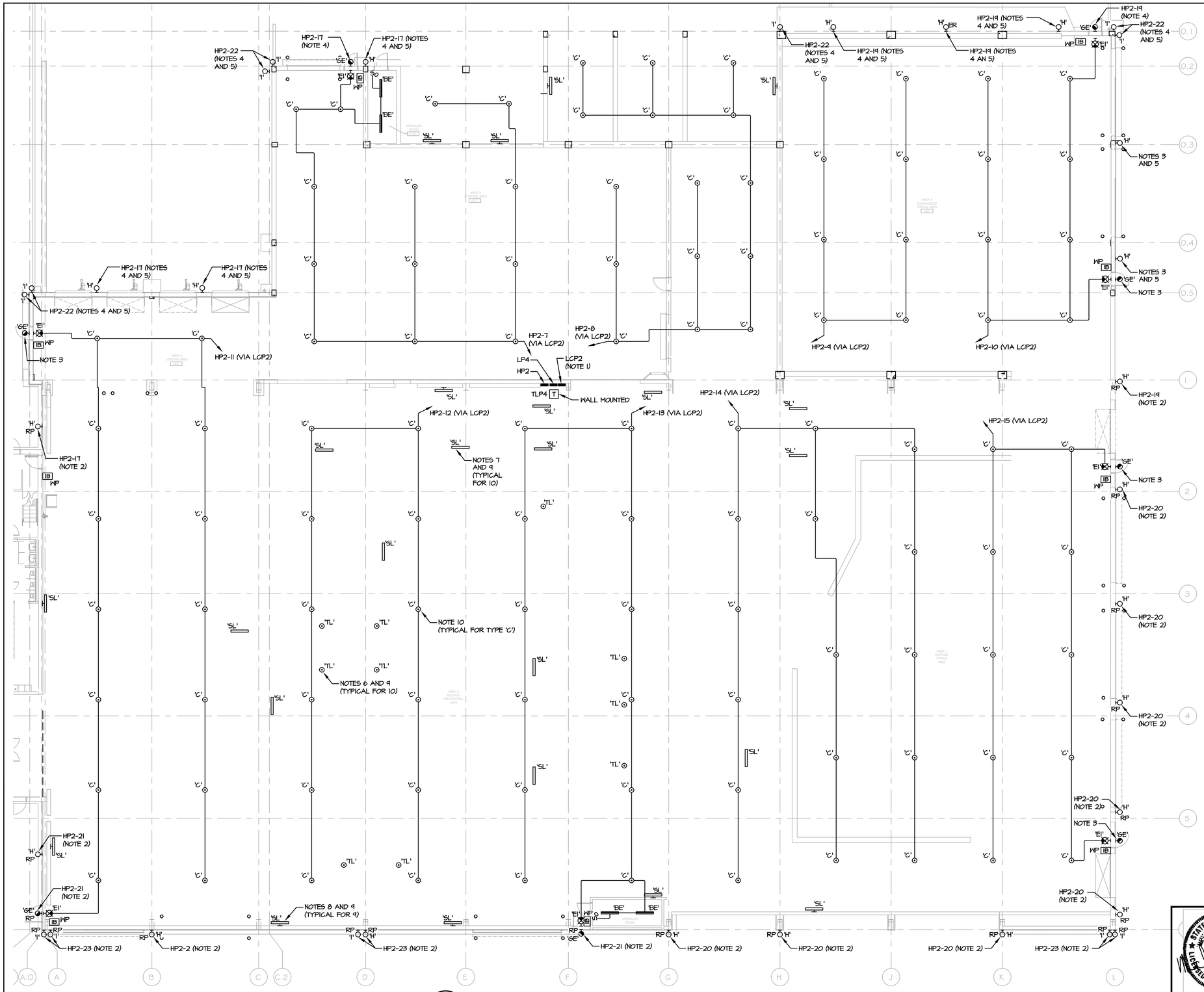

1 E-202 PARTIAL FIRST FLOOR PLAN - LIGHTING

SCALE: 3/32"=1'-0"

NOTES:

1. PROVIDE CIRCUIT FOR ENCLOSURE AIR CONDITIONER (HP2-16,18).
2. RECIRCUIT EXISTING EXTERIOR BRANCH LIGHTING CIRCUIT AS INDICATED. CIRCUIT SHALL BE CONTROLLED VIA LCP2.
3. CONNECT NEW LIGHTING FIXTURE TO EXISTING EXTERIOR BRANCH LIGHTING CIRCUIT THAT IS BEING RECIRCUITED, SEE NOTE 2.
4. NEW LIGHTING CIRCUIT SHALL BE CONTROLLED VIA LCP2.
5. FOR NON-REPLACEMENT EXTERIOR LIGHTING FIXTURES, MOUNT TYPE 'H' LIGHTING FIXTURES 18'-0" AFF AND MOUNT TYPE 'I' LIGHTING FIXTURES 30'-0" AFF.
6. TASK LIGHTING FIXTURES SHALL BE MOUNTED 10'-0" ABOVE PLATFORM FLOOR. ALL LIGHTING FIXTURES SHALL BE FIELD LOCATED BY ELECTRICAL CONTRACTOR AFTER PROCESSING EQUIPMENT IS INSTALLED. OBTAIN LOCATION APPROVAL FROM OWNER'S ENGINEER'S REPRESENTATIVE IN FIELD PRIOR INSTALLATION.
7. SUPPLEMENTAL LIGHTING FIXTURES SHALL BE INSTALLED ON UNDERSIDE OF EQUIPMENT/PLATFORM. ALL LIGHTING FIXTURES SHALL BE FIELD LOCATED BY ELECTRICAL CONTRACTOR AFTER PROCESSING EQUIPMENT IS INSTALLED. OBTAIN LOCATION APPROVAL FROM OWNER'S ENGINEER'S REPRESENTATIVE IN FIELD PRIOR INSTALLATION.
8. SUPPLEMENTAL LIGHTING FIXTURES SHALL BE WALL MOUNTED AT THE SAME HEIGHT AS EQUIPMENT/PLATFORM MOUNTED SUPPLEMENTAL LIGHTING FIXTURES. ALL LIGHTING FIXTURES SHALL BE FIELD LOCATED BY ELECTRICAL CONTRACTOR AFTER PROCESSING EQUIPMENT IS INSTALLED. OBTAIN LOCATION AND HEIGHT APPROVAL FROM OWNER'S ENGINEER'S REPRESENTATIVE IN FIELD PRIOR INSTALLATION.
9. ALL TASK LIGHTING FIXTURES AND SUPPLEMENTAL LIGHTING FIXTURES SHALL BE CIRCUITED FROM CIRCUIT HP2-13.
10. ALL GENERAL AREA LIGHTING FIXTURES (TYPE 'C') SHALL BE FIELD LOCATED BY ELECTRICAL CONTRACTOR AFTER PROCESSING EQUIPMENT IS INSTALLED. OBTAIN LOCATION AND HEIGHT APPROVAL FROM OWNER'S ENGINEER'S REPRESENTATIVE IN FIELD PRIOR INSTALLATION.
11. PROVIDE 60 EGRESS PATH LIGHTING FIXTURES (TYPE 'JE'). EGRESS PATH LIGHTING FIXTURES SHALL BE WALL MOUNTED, INSTALLED ON UNDERSIDE OF EQUIPMENT/PLATFORM OR SUSPENDED ABOVE STAIRS/PLATFORM. ALL LIGHTING FIXTURES SHALL BE FIELD LOCATED BY ELECTRICAL CONTRACTOR AFTER PROCESSING EQUIPMENT IS INSTALLED. OBTAIN LOCATION APPROVAL FROM OWNER'S ENGINEER'S REPRESENTATIVE IN FIELD PRIOR INSTALLATION.

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

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Rockland Green

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PARTIAL FIRST FLOOR PLAN - LIGHTING

STATE OF NEW YORK
MICHAEL BRITTON WILK
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No. 083339

N.Y. P.E. LICENSE No. 083339

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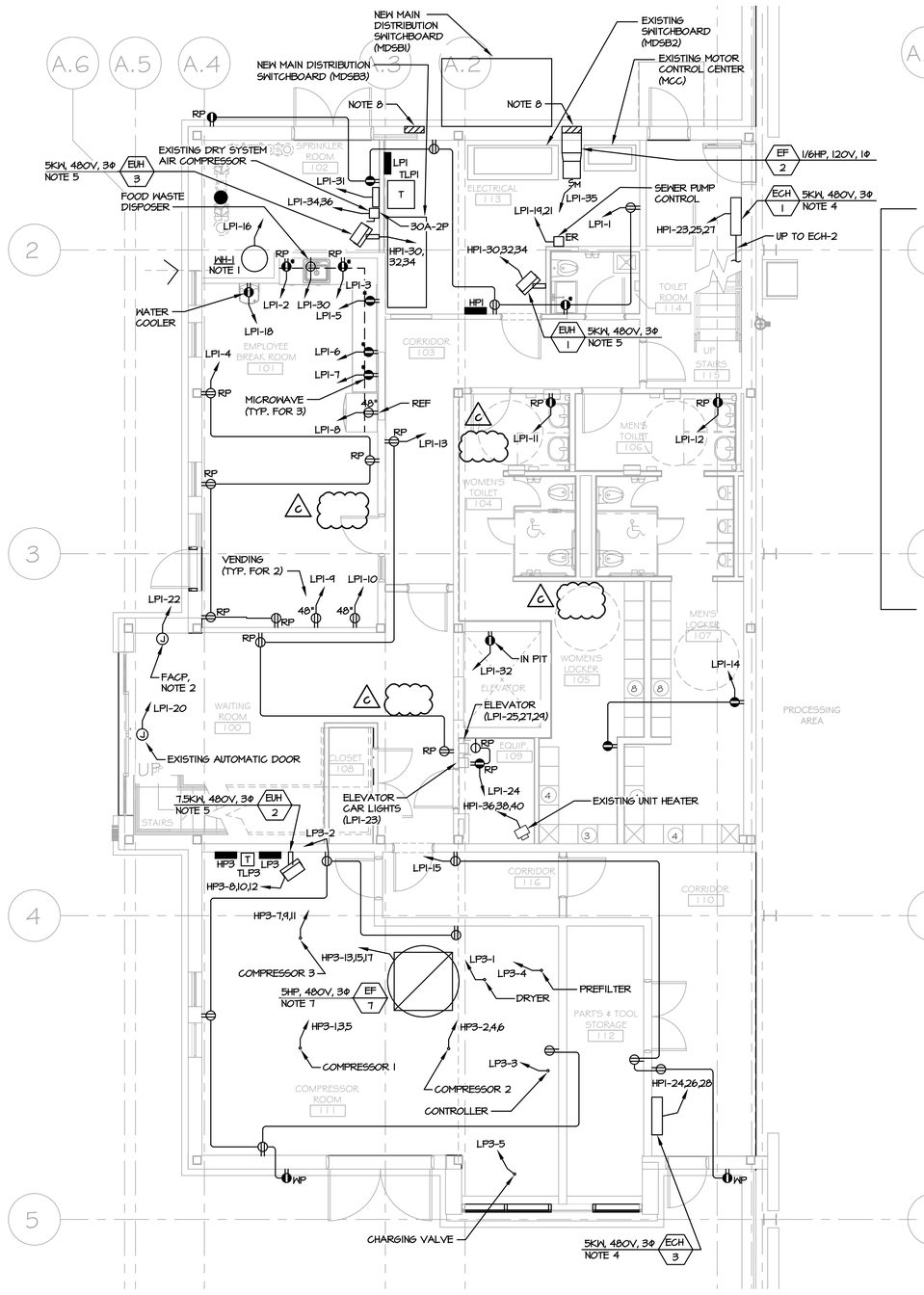
PROJ. No: 499-010 SCALE:

DWG. NO: E-202 C

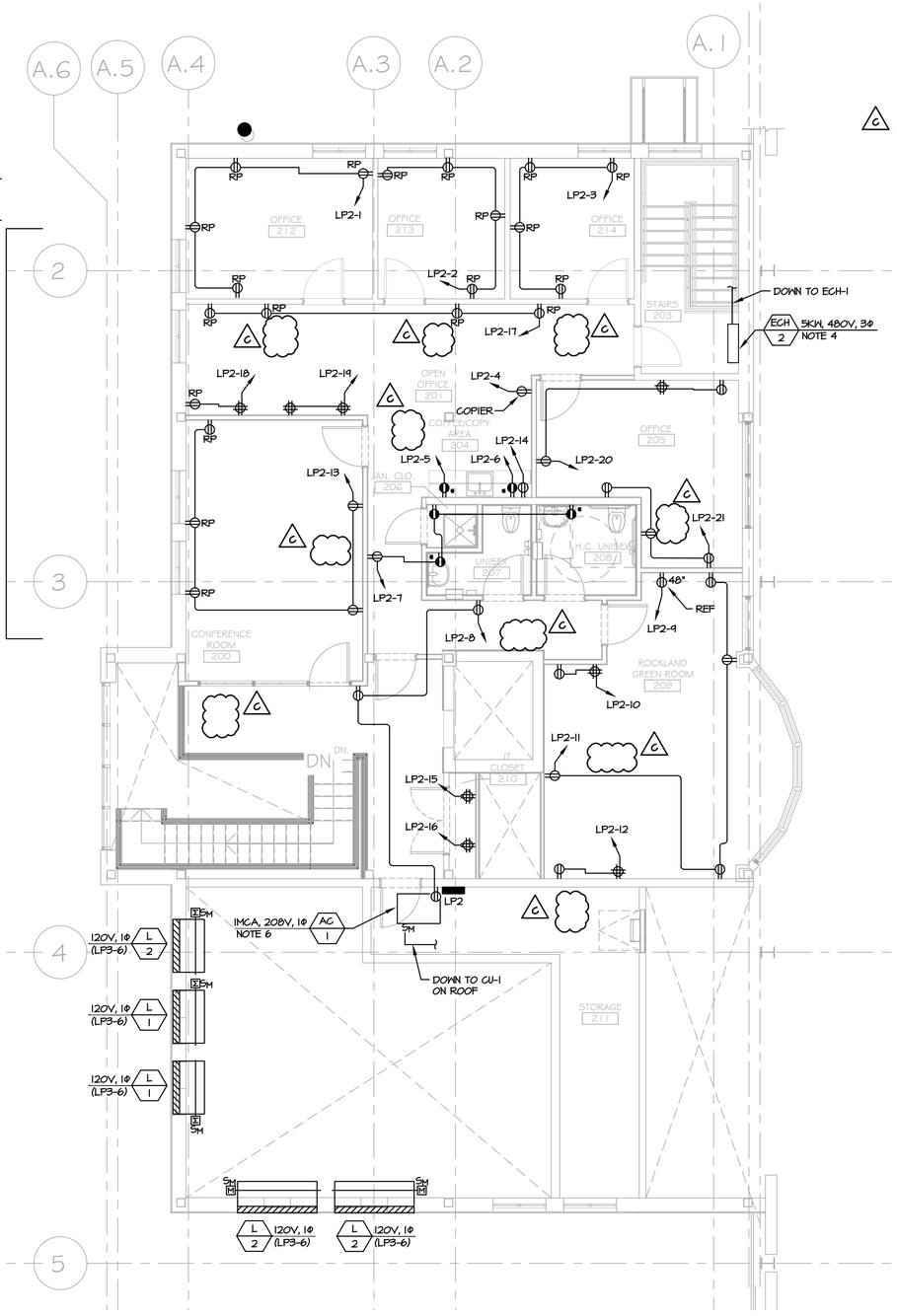
CAD FILE: N:\2021\21033\MEP\21033 E-202.DWG

SHEET SIZE: D-24x36 REV



1 E-301 PARTIAL FIRST FLOOR PLAN - POWER

SCALE: 3/16"=1'-0"



2 E-301 PARTIAL SECOND FLOOR PLAN - POWER

SCALE: 3/16"=1'-0"

NOTES:

1. GAS FIRED WATER HEATER (WH-1) PROVIDED WITH FACTORY DISCONNECT SWITCH.
2. NEW FIRE ALARM SYSTEM IS A SEPARATE CONTRACT AND IS SHOWN ON A SEPARATE SET OF CONTRACT DOCUMENTS. PROVIDE JUNCTION BOX ABOVE ACCESSIBLE SYSTEM FOR FINAL POWER CONNECTION BY FIRE ALARM SYSTEM CONTRACTOR.
3. NOT USED.
4. ELECTRIC CABINET HEATERS PROVIDED WITH DISCONNECT SWITCH.
5. ELECTRIC UNIT HEATERS PROVIDED WITH DISCONNECT SWITCH.
6. AC-1 FED FROM CU-1. PROVIDE WIRING AS RECOMMENDED BY MANUFACTURER.
7. EXHAUST FAN PROVIDED WITH DISCONNECT SWITCH.
8. CONNECT MOTORIZED DAMPERS TO BRANCH CIRCUIT (LPI-35) FOR EXHAUST FAN EF-2.

PROJECT NORTH

KEY PLAN — AREA OF CONSTRUCTION

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ROCKLAND GREEN MATERIALS RECOVERY FACILITY, FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FLOOR PLANS - POWER

STATE OF NEW YORK — MICHAEL BRITTON BOLT — No. 083339 — LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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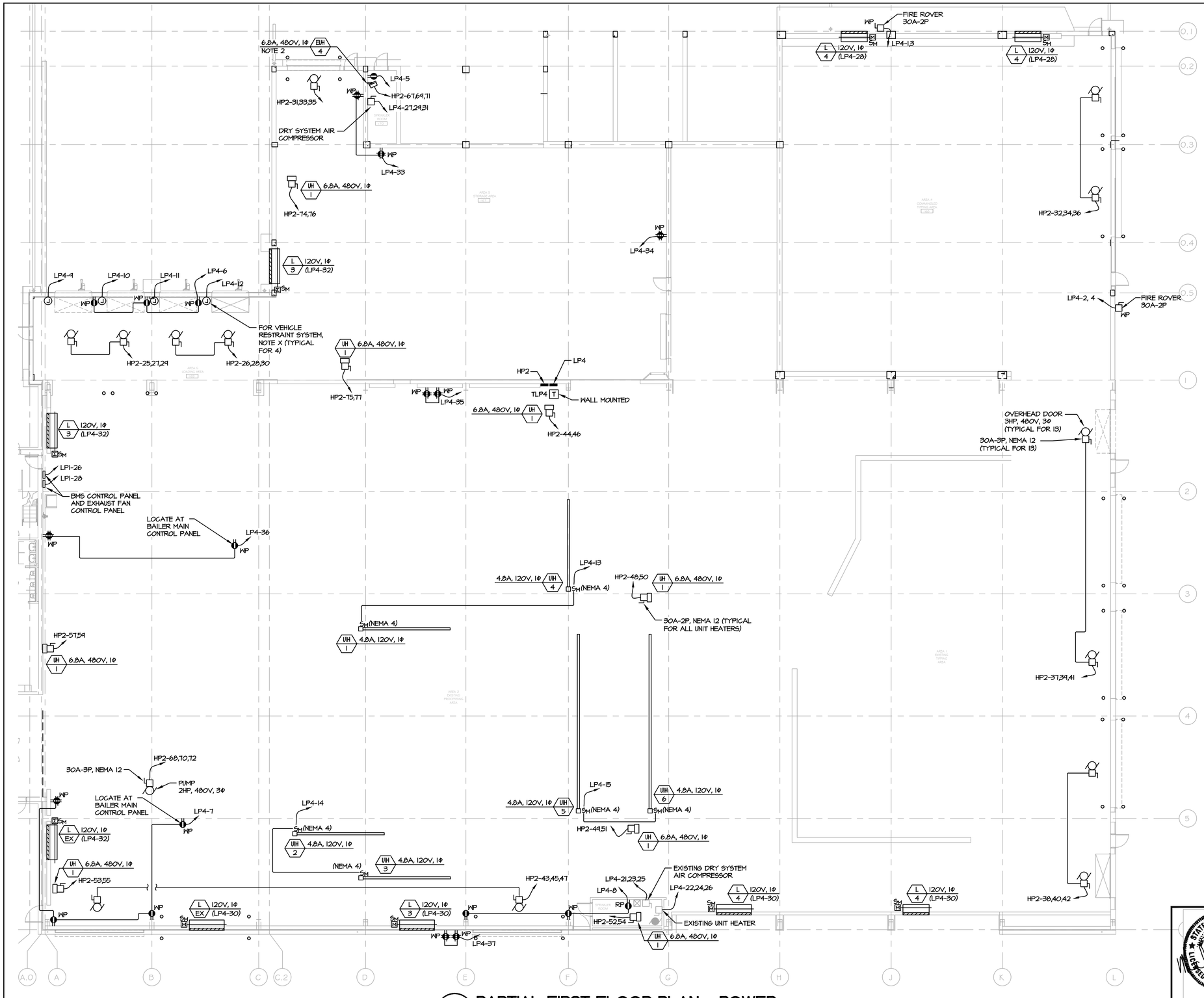
CAD FILE: N:\2021\21033\MEP\21033 E-301.DWG

SHEET SIZE: D-24x36 — REV



1 E-302 PARTIAL FIRST FLOOR PLAN - POWER

SCALE: 3/32"=1'-0"

NOTES:

1. COORDINATE LOCATION OF ROUGH-IN FOR VEHICLE RESTRAINT SYSTEM WITH GENERAL CONTRACTOR. ALL ASSOCIATED CONTROLS AND LIGHTING PROVIDED BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL INTERCONNECTING WIRING.
2. ELECTRIC UNIT HEATER PROVIDED WITH DISCONNECT SWITCH.

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
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ROCKLAND GREEN
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FACILITY IMPROVEMENTS
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PARTIAL FIRST FLOOR PLAN - POWER

REV	DESCRIPTION	DATE	BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21	RER	RER
B	REVISED FOR RFP ADDENDUM 4	8/27/21		
A	ISSUED FOR RFP	7/30/21	RER	RER

STATE OF NEW YORK
MICHAEL BRITTON DILL
No. 083339
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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	BY	DATE
DRAWN	RER	7/30/21
CHECKED	RER	7/30/21
DESIGNED	RER	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010

SCALE: SEE PLANS

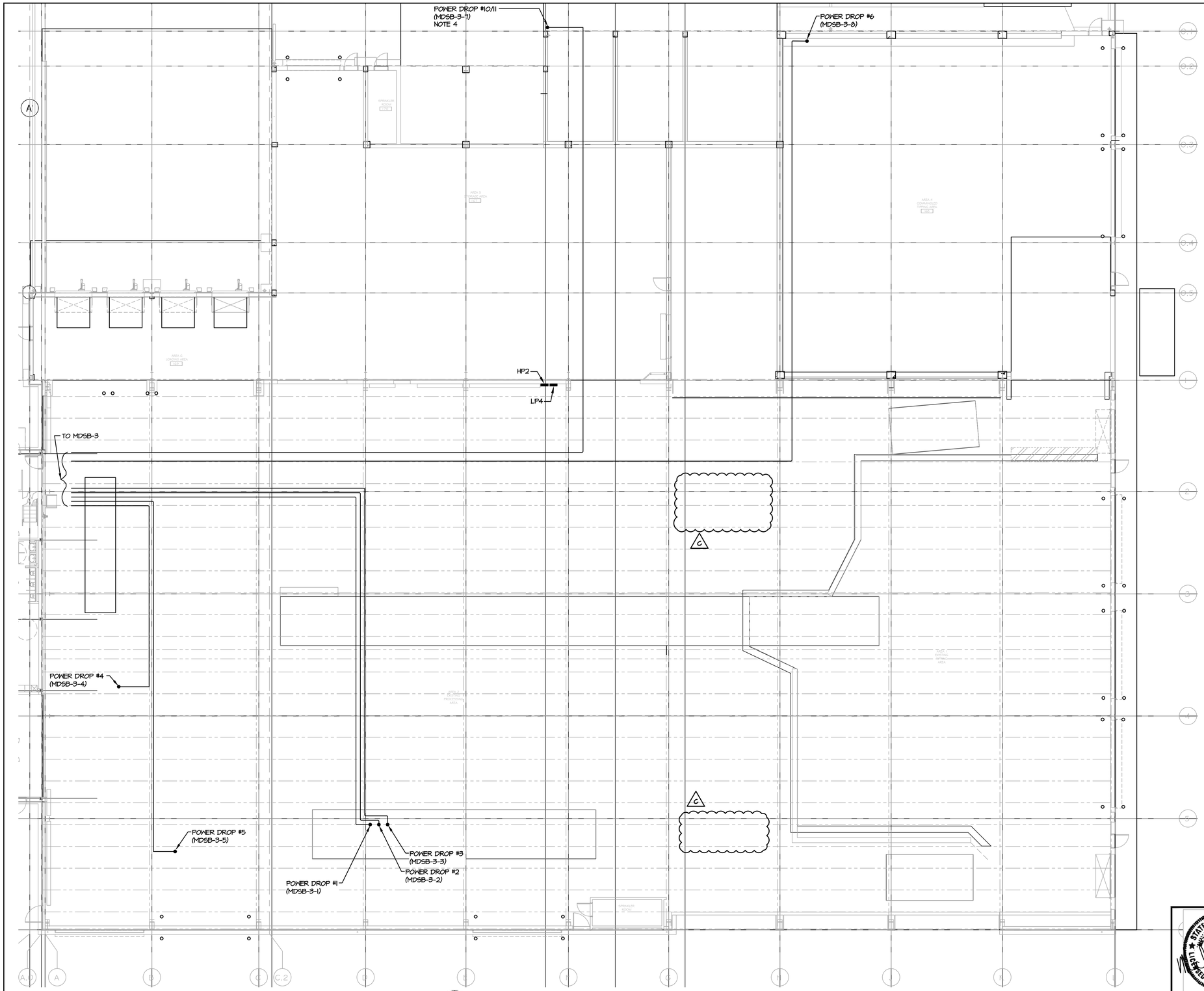
DWG. NO: E-302

C

CAD FILE: N:\2021\21033\MEP\21033 E-302.DWG

SHEET SIZE: D-24x36

REV



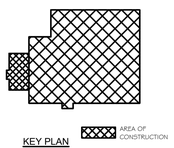
1 E-303 PARTIAL FIRST FLOOR PLAN - CONDUIT ROUTING
SCALE: 3/32"=1'-0"

NOTES:

1. CONDUITS SHALL BE RUN ABOVE TOP OF ROOF TRUSS.
2. PROVIDE CONDUIT ROUTING PLAN BASED ON ACTUAL FIELD CONDITIONS FOR REVIEW AND APPROVAL PRIOR TO CONDUIT INSTALLATION.
3. POWER DROPS SHALL TERMINATE AT EQUIPMENT. EQUIPMENT PROVIDED BY VENDOR. COORDINATE EXACT LOCATION OF POWER DROPS WITH VENDOR PRIOR TO SUBMITTING CONDUIT ROUTING PLAN.
4. POWER DROP #10/11 IS FOR TWO EXTERIOR COMPACTORS. PROVIDE A WEATHERPROOF JUNCTION BOX ON THE EXTERIOR OF THE BUILDING. PROVIDE A 50A FEEDER (3#6, 1#10G, 1"C) FROM JUNCTION BOX TO EACH COMPACTOR.

PROJECT

NORTH



KEY PLAN

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STATE OF NEW YORK
MICHAEL BRITTON DELLY
No. 083339
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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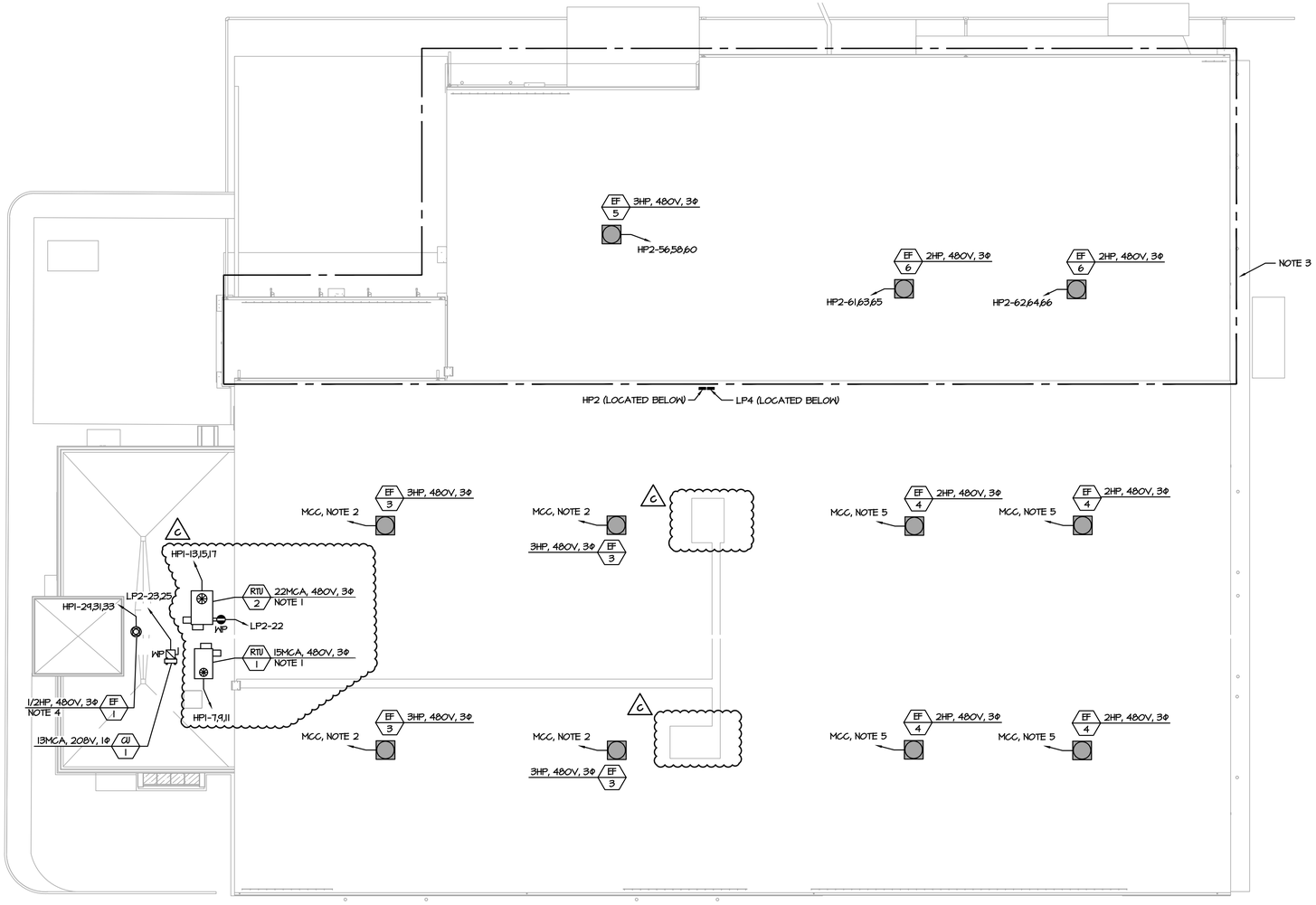
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FIRST FLOOR PLAN -
CONDUIT ROUTING

	BY	DATE
DRAWN	RER	7/30/21
CHECKED	RER	7/30/21
DESIGNED	RER	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010
SCALE: SEE PLANS
DWG. NO: E-303
C
CAD FILE: N:\2021\21033\MEP\21033 E-303.DWG
SHEET SIZE: D-24x36
REV



1 E-304 ROOF PLAN - POWER

SCALE: 1/16"=1'-0"

NOTES:

1. ROOFTOP UNITS (RTU-X) PROVIDED WITH FACTORY MOUNTED DISCONNECT SWITCH.
2. REUSE EXISTING BRANCH CIRCUIT FROM MOTOR CONTROL CENTER (MCC) TO SERVE REPLACEMENT EXHAUST FAN.
3. PROVIDE LIGHTNING PROTECTION SYSTEM FOR ADDITION AND ROOF MOUNTED EQUIPMENT PER SPECIFICATIONS.
4. EXHAUST FANS PROVIDED WITH DISCONNECT SWITCH.
5. REUSE EXISTING BRANCH CIRCUIT FROM MOTOR CONTROL CENTER (MCC) TO SERVE REPLACEMENT EXHAUST FAN. CHANGE TRIP SETTING TO 15A.

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

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ROOF PLAN - POWER

REV	DESCRIPTION	DATE BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21 RER	RER
B	REVISED FOR RFP ADDENDUM 4	8/27/21	
A	ISSUED FOR RFP	7/30/21 RER	RER

STATE OF NEW YORK
JACKSON BRITTON DAVIS
No. 083339
LICENSED PROFESSIONAL ENGINEER

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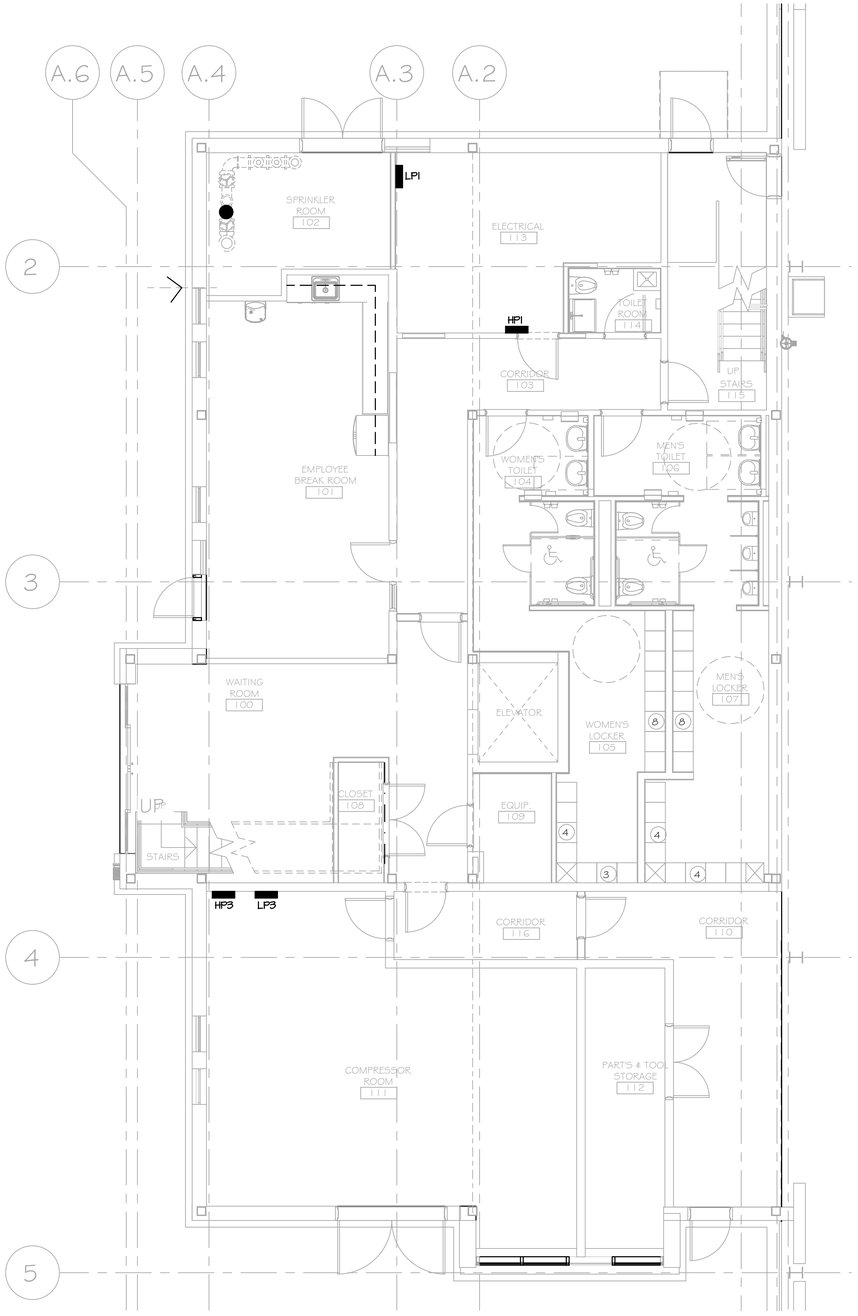
DESIGNED	RER	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE:

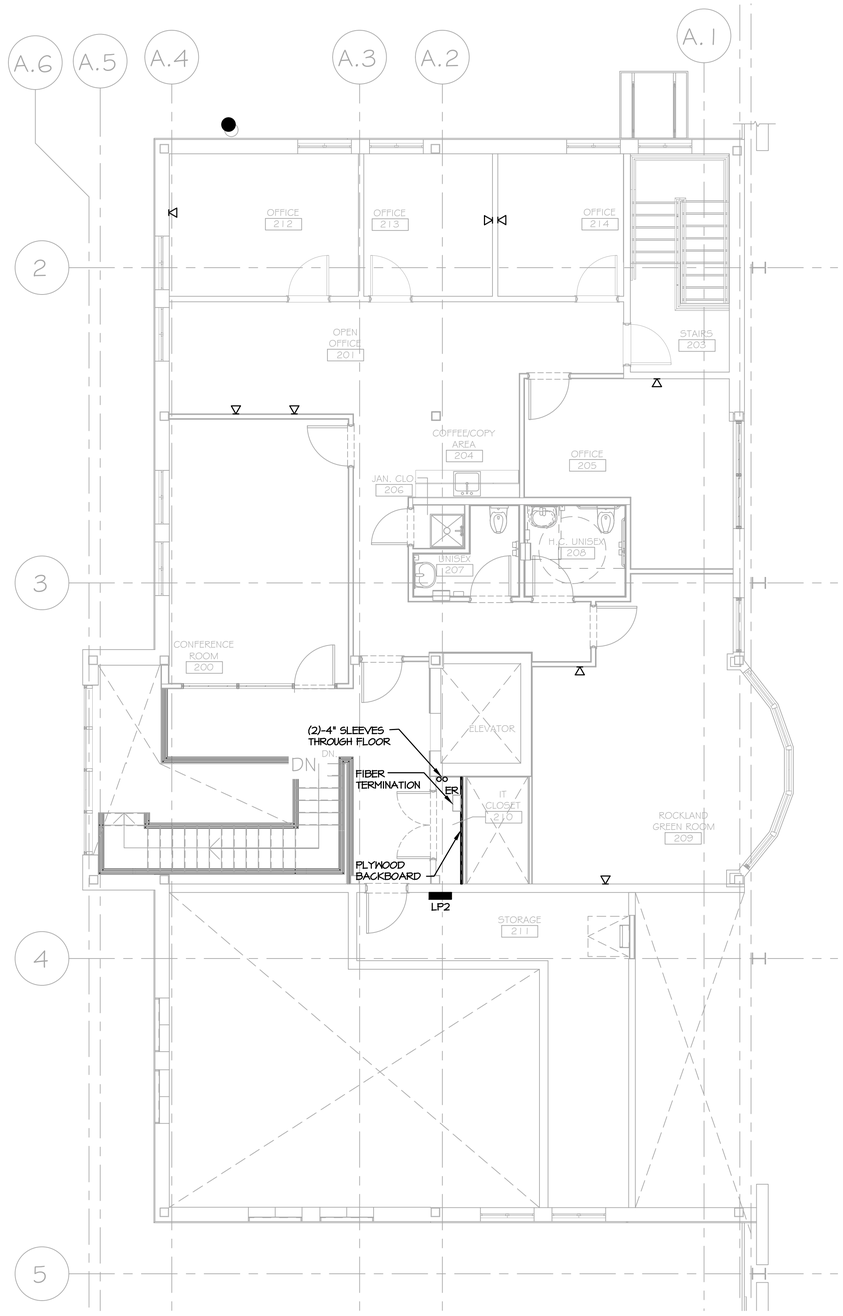
DWG. NO: E-304 C

CAD FILE: N:\2021\21033\MEP\21033 E-304.DWG

SHEET SIZE: D-24x36 REV



1 E-401 PARTIAL FIRST FLOOR PLAN - SYSTEMS
SCALE: 3/16"=1'-0"



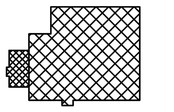
2 E-401 PARTIAL SECOND FLOOR PLAN - SYSTEMS
SCALE: 3/16"=1'-0"

NOTE:

1. NEW FIRE ALARM SYSTEM IS A SEPARATE CONTRACT AND IS SHOWN ON A SEPARATE SET OF CONTRACT DOCUMENTS.

PROJECT

NORTH



KEY PLAN

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PARTIAL FLOOR PLANS - SYSTEMS

REV	DESCRIPTION	DATE BY	CHK
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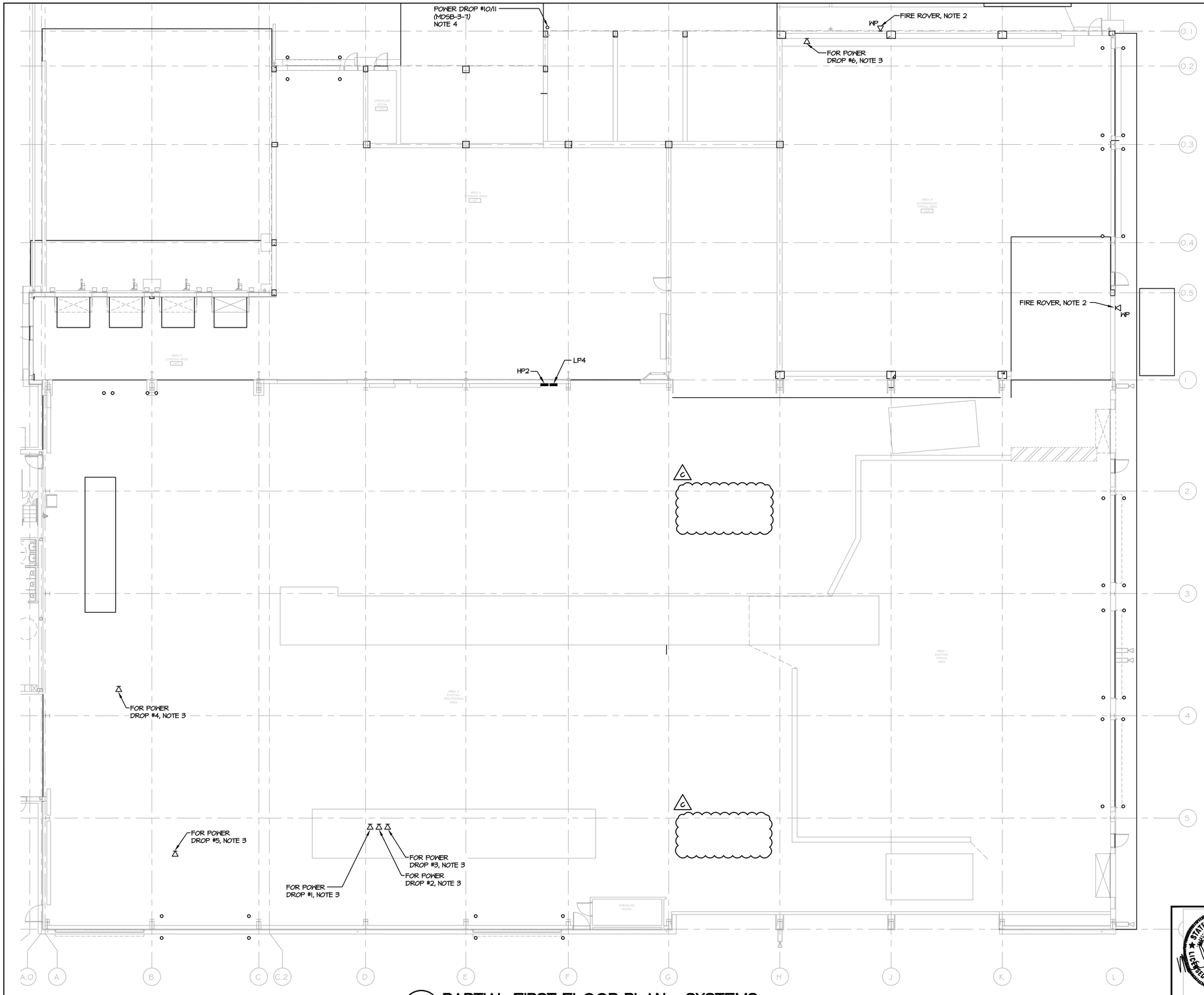
APPROVED		
APPROVED		

PROJ. No: 499-010
SCALE:
DWG. NO: E-401
C
CAD FILE: N:\2021\21033\MEP\21033 E-401.DWG
SHEET SIZE: D-24x36
REV



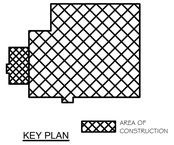
1 E-402 PARTIAL FIRST FLOOR PLAN - SYSTEMS
SCALE: 3/32"=1'-0"

NOTES:

1. NEW FIRE ALARM SYSTEM IS A SEPARATE CONTRACT AND IS SHOWN ON A SEPARATE SET OF CONTRACT DOCUMENTS.
2. PROVIDE ONE CAT 6 CABLE FROM OUTLET TO IT CLOSET 210.
3. DATA DROP FOR EQUIPMENT, TERMINATE AT EQUIPMENT. EQUIPMENT PROVIDED BY VENDOR. COORDINATE EXACT LOCATION OF DATA DROP WITH VENDOR. PROVIDE ONE CAT 6 CABLE FROM EQUIPMENT TO IT CLOSET 210.

PROJECT

NORTH



KEY PLAN

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REV	DESCRIPTION	DATE BY	CHK
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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FIRST FLOOR PLAN - SYSTEMS

	BY	DATE
DRAWN	RER	7/30/21
CHECKED	RER	7/30/21
DESIGNED	RER	7/30/21
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APPROVED		

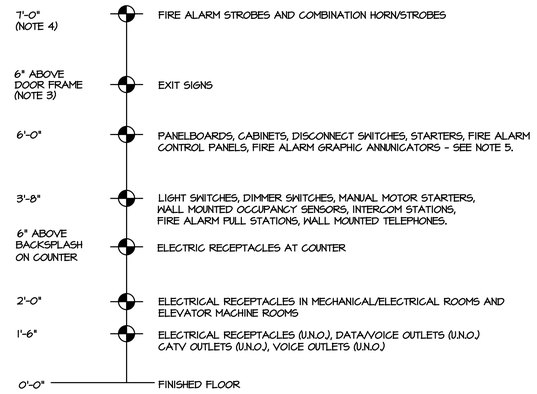
PROJ. No: 499-010
SCALE:
DWG. NO: E-402
C
CAD FILE: N:\2021\21033\MEP\21033 E-402.DWG
SHEET SIZE: D-24x36
REV

LIGHTING FIXTURE SCHEDULE

TAG	MANUFACTURER & CAT. NO.		WATTS	VOLTS	LAMP DATA	MOUNTING	COMMENTS
A	COLUMBIA	SRP22-40VW-G-EDU	13	277	LED	RECESSED	2' X 2' FLAT PANEL
AE	COLUMBIA	SRP22-40VW-G-EDU-ELL14	13	277	LED	RECESSED	2' X 2' FLAT PANEL WITH BATTERY PACK
A1	COLUMBIA	SRP22-40MW-G-EDU	18	277	LED	RECESSED	2' X 2' FLAT PANEL WITH BATTERY PACK
A1E	COLUMBIA	SRP22-40MW-G-EDU-ELL14	18	277	LED	RECESSED	2' X 2' FLAT PANEL WITH BATTERY PACK
A2	COLUMBIA	SRP22-40LW-G-EDU	23	277	LED	RECESSED	2' X 2' FLAT PANEL
A2E	COLUMBIA	SRP22-40LW-G-EDU-ELL14	23	277	LED	RECESSED	2' X 2' FLAT PANEL WITH BATTERY PACK
A3	COLUMBIA	SRP22-40VL-G-EDU	41	277	LED	RECESSED	2' X 2' FLAT PANEL
A3E	COLUMBIA	SRP22-40VL-G-EDU-ELL14	41	277	LED	RECESSED	2' X 2' FLAT PANEL WITH BATTERY PACK
A4	COLUMBIA	SRP22-40ML-G-EDU	30	277	LED	RECESSED	2' X 2' FLAT PANEL
A4E	COLUMBIA	SRP22-40ML-G-EDU-ELL14	30	277	LED	RECESSED	2' X 2' FLAT PANEL WITH BATTERY PACK
A5	COLUMBIA	SRP22-40HL-G-EDU	33	277	LED	RECESSED	2' X 2' FLAT PANEL
A5E	COLUMBIA	SRP22-40HL-G-EDU-ELL14	33	277	LED	RECESSED	2' X 2' FLAT PANEL WITH BATTERY PACK
A6	COLUMBIA	SRP22-40VW-G-EDU	13	277	LED	SUSPENDED	2' X 2' FLAT PANEL, NOTE 12
B	COLUMBIA	MPS4-40ML-GW-EU	40.1	277	LED	SUSPENDED	4' LINEAR, NOTE 5
BE	COLUMBIA	MPS4-40ML-GW-EU-ELL14	40.1	277	LED	SUSPENDED	4' LINEAR WITH BATTERY PACK, NOTE 5
B1E	COLUMBIA	MPS4-40XW-GW-EU-ELL14	20	277	LED	SUSPENDED	4' LINEAR WITH BATTERY PACK, NOTE 5
B2	COLUMBIA	MPS4-40ML-GN-EU	31.7	277	LED	SUSPENDED	4' LINEAR, NOTE 5
B2E	COLUMBIA	MPS4-40ML-GN-EU-ELL14	31.7	277	LED	SUSPENDED	4' LINEAR WITH BATTERY PACK, NOTE 5
C	LITHONIA	JEBL 18L 40K 80CRI WH	136	277	LED	SUSPENDED	HIGH BAY, NOTE 6
CE	NOT USED						
D	COLUMBIA	WBB4-40XW-SFA-EDU	18.6	277	LED	WALL	4' WALL BRACKET, NOTE 7
D1	COLUMBIA	WBB2-40VW-SFA-EDU	11.9	277	LED	WALL	2' WALL BRACKET, NOTE 7
E	DUAL LITE	EVEURWE	1.44	277	LED	UNIVERSAL	EXIT SIGN, NOTE 8
E1	DUAL LITE	EVE4XRWE	1.44	277	LED	UNIVERSAL	WEATHERPROOF EXIT SIGN, NOTE 8
F	LSI	IHB4 LED 4L DA UNV DIM 40	61	277	LED	SUSPENDED	4' INDUSTRIAL LINEAR HIGH BAY, NOTE 9
FE	LSI	IHB4 LED 4L DA UNV DIM 40 EM	61	277	LED	SUSPENDED	4' INDUSTRIAL LINEAR HIGH BAY WITH BATTERY PACK, NOTE 9
GE	HUBBELL	LNC2-4L-4K-070-3-1-XX-EH	21	277	LED	WALL	WALLPACK WITH BATTERY PACK, NOTE 10
H	HUBBELL	LNC4-33L-4K-105-3-U-XXX	140	277	LED	WALL	WALLPACK, NOTE 10
I	LSI	T2XFL LED 33L W UNV DIM 40	219	277	LED	WALL	FLOODLIGHT, NOTE 10
JE	COLUMBIA	LXEM4-40LW-RFP-EDU-ELL14	33	277	LED	SURFACE	4' VAPORTIGHT W/BATTERY PACK, NOTE 11
SL	COLUMBIA	LXEM4-40HL-RFP-EDU	47.4	277	LED	SURFACE	4' VAPORTIGHT, NOTE 11
TL	LITHONIA	JEBL 18L 40K 80CRI WH	136	277	LED	SUSPENDED	HIGH BAY

LIGHTING FIXTURE SCHEDULE NOTES:

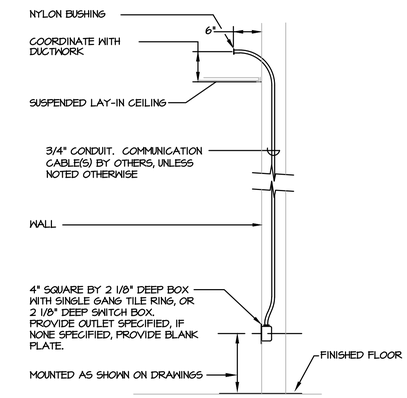
1. ALL LIGHTING FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURE INDEPENDENTLY FROM CEILING SYSTEM. DOWNLIGHTS SHALL HAVE (1) ONE SUPPORT, 1x4, 2x2 AND 2x4 SHALL HAVE (2) TWO SUPPORTS.
2. CONTRACTOR SHALL REVIEW ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING FINISHES. ADDITIONAL SUPPORTING/PLASTER TRIM SHALL BE PROVIDED AS REQUIRED.
3. ALL EXIT LIGHTS, BATTERY PACKS AND EXTERIOR LIGHTING FIXTURES SHALL BE CONNECTED AHEAD OF LOCAL SWITCHING.
4. LIGHTING FIXTURE WITH AN 'E' AT THE END OF THE FIXTURE TYPE SHALL BE THE SAME AS THE DESIGNATED LIGHTING FIXTURE, EXCEPT IT SHALL BE PROVIDED WITH AN EMERGENCY BATTERY PACK.
5. PROVIDE CHAIN HANGER ASSEMBLY (CSHC) FOR LIGHTING FIXTURE TYPES 'B', 'B1' AND 'B2.
6. COORDINATE ELEVATIONS AND LAYOUT WITH PROCESSING EQUIPMENT.
7. MOUNT TYPE 'D' AND 'D1 LIGHTING FIXTURES DIRECTLY ABOVE MIRROR.
8. TYPE 'E' AND 'E1' EXIT SIGN MOUNTING TYPE SHOWN ON LIGHTING PLANS. PROVIDE CHEVRONS AS SHOWN ON LIGHTING PLANS
9. COORDINATE MOUNTING HEIGHT AND LOCATIONS WITH COMPRESSED AIR SYSTEM EQUIPMENT.
10. FINISH SELECTED BY ARCHITECT.
11. WALL OR CEILING MOUNTED AS INDICATED ON LIGHTING PLAN.
12. PROVIDE CABLE SUSPENSION KIT (CFPCMB6YSC5F-KIT) FOR LIGHTING FIXTURE TYPE 'A6'.



NOTES:

1. ALL EQUIPMENT MOUNTING HEIGHTS ARE TO CENTER OF EQUIPMENT/DEVICE UNLESS OTHERWISE NOTED. LIGHT FIXTURES MOUNTING HEIGHTS ARE TO BOTTOM OF FIXTURE HOUSING.
2. MOUNTING HEIGHT OF ALL DEVICES SHALL CONFORM WITH THE AMERICANS WITH DISABILITIES ACT (ADA).
3. WHERE SPACE DOES NOT EXIST ABOVE DOOR FRAME MOUNT ADJACENT TO DOOR AT CEILING LINE.
4. MOUNT STROBES AT A HEIGHT SUCH THAT THE BOTTOM OF THE STROBE IS NOT LESS THAN 80" AND NO GREATER THAN 96" ABOVE THE FINISHED FLOOR. THE TOP OF THE LENS SHOULD BE AT LEAST 6" FROM THE FINISHED CEILING. FOR LOW CEILINGS WHERE MOUNTING HEIGHTS CAN NOT BE MET, MOUNT THE STROBE SO THAT THE TOP OF THE LENS IS 6" FROM THE FINISHED CEILING.
5. THE OPERATING HANDLE OF A SWITCH OR CIRCUIT BREAKER IN ITS HIGHEST POSITION SHALL NOT BE MORE THAN 6'-7".

1 / E-501 MOUNTING HEIGHT SCHEDULE
SCALE: NO SCALE



NOTE:

1. FLEXIBLE METAL RACEWAY MAY BE USED IN EXISTING WALLS THAT ARE NOT ACCESSIBLE.

2 / E-501 DATA/VOICE OUTLET INSTALLATION DETAIL
SCALE: NO SCALE

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

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RRT Engineering , LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

REV	DESCRIPTION	DATE	BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21	RER	RER
B	REVISED FOR RFP ADDENDUM 4	8/27/21		
A	ISSUED FOR RFP	7/30/21	RER	RER

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

SCHEDULES AND DETAILS

STATE OF NEW YORK
MICHAEL BRITTON BILL
No. 083339
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

PROPRIETARY DATA
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RRT Engineering , LLC
1 Huntington Quadrangle, 3S01
Melville, N.Y. 11747
ph: 631-756-1060
fax: 631-756-1064

	BY	DATE
DRAWN	RER	7/30/21
CHECKED	RER	7/30/21
DESIGNED	RER	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE:

DWG. NO: E-501

CAD FILE: N:\2021\21033\MEP\21033 E-501.DWG

SHEET SIZE: D-24x36

REV C

PANEL HP1

DESCRIPTION	VOLTAGE	MAINS
PANEL: HP1 LOCATION: ELECTRICAL 113 FED FROM: EXISTING SWITCHBOARD FEEDER SIZE: 4#1/0, 1#6G, 1 1/2"C MISC.:	277/480 VOLTS, 3 PHASE, 4 WIRE AVAILABLE FAULT CURRENT - AIC ENCLOSURE ☒ SURFACE MOUNT ☐ FLUSH MOUNT	BUS 225 AMPS RATING 65,000 AIC ☒ LUGS ONLY ☐ MCB ____AMPS ☐ SUBFEED LUGS ☐ FEED THRU LUGS ☐ TOP FEED ☐ BOTTOM FEED

CIR NO.	EQUIPMENT SERVED	CONDUCTOR/COND. SIZE PHASE	NEUT.	GRD.	COND.	BREAKER AMPS	POLES	LOAD KVA CØ	BØ	AØ	PHASE	LOAD KVA AØ	BØ	CØ	BREAKER AMPS	POLES	CONDUCTOR/COND. SIZE PHASE	NEUT.	GRD.	COND.	EQUIPMENT SERVED	CIR NO.
1	LIGHTING	12	12	12	3/4	20	1			1.1	A	0.7			20	1	12	12	12	3/4	LIGHTING	2
3	LIGHTING	12	12	12	3/4	20	1		0.8		B		0.2		20	1	12	12	12	3/4	LIGHTING	4
5	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	6
7	RTU-1	12	-	12	3/4	20	3			3.0	A	-			-	1	-	-	-	-	SPACE	8
9									3.0		B		-		-	1	-	-	-	-	SPACE	10
11								3.0			C			-	-	1	-	-	-	-	SPACE	12
13	RTU-2	12	-	12	3/4	20	3			5.9	A	-			-	1	-	-	-	-	SPACE	14
15									5.9		B		-		-	1	-	-	-	-	SPACE	16
17								5.9			C			-	-	1	-	-	-	-	SPACE	18
19	SPACE	-	-	-	-	-	1			-	A	-			-	1	-	-	-	-	SPACE	20
21	SPACE	-	-	-	-	-	1		-		B		-		-	1	-	-	-	-	SPACE	22
23	ECH-1 AND ECH-2	12	-	12	3/4	20	3	3.3			C			1.7	15	3	12	-	12	3/4	ECH-3	24
25										3.3	A	1.7										26
27									3.3		B		1.7									28
29	EF-1	12	-	12	3/4	15	3	0.3			C			3.3	20	3	12	-	12	3/4	EXISTING UNIT HEATER	30
31										0.3	A	3.3										32
33									0.3		B		3.3									34
35	EUH-3	12	-	12	3/4	15	3	1.7			C			1.7	15	3	12	-	12	3/4	EUH-1	36
37										1.7	A	1.7										38
39									1.7		B		1.7									40
41	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	42

PANEL SHALL BE EQUIPPED WITH FULL HEIGHT BUSS FOR CB'S AND PROVISIONS SHOWN

☐ 200% NEUTRAL BUSS ☒ GROUND BUSS
☐ ISOLATED GROUND BUSS
☐ INTEGRAL TVSS ________ kA

PHASE TOTAL	14.2	15.0	15.3		7.4	6.9	6.7
TOTAL CONN. KVA	65.5						
TOTAL CONN. AMPS	78.8						
DIVERSIFIED AMPS	78.8						
SPARE CAPACITY 25%	19.7						
TOTAL LOAD AMPS	98.5						

KEY
DENOTES GFCI TYPE C.B. REQ'D. DENOTES SHUNT TRIP TYPE C.B. REQ'D.
DENOTES AFCI TYPE C.B. REQ'D.
REMARKS

C

PANEL HP2

DESCRIPTION	VOLTAGE	MAINS
PANEL: HP2 LOCATION: AREA 5 STORAGE AREA 167 FED FROM: MDSB2 FEEDER SIZE: 4#350KCMIL,1#4G, 2 1/2"C MISC.:	277/480 VOLTS, 3 PHASE, 4 WIRE AVAILABLE FAULT CURRENT AIC ENCLOSURE ☒ SURFACE MOUNT ☐ FLUSH MOUNT	BUS 400 AMPS RATING 65,000 AIC ☐ LUGS ONLY ☐ MCB ____AMPS ☐ SUBFEED LUGS ☐ FEED THRU LUGS ☐ TOP FEED ☐ BOTTOM FEED

CIR NO.	EQUIPMENT SERVED	CONDUCTOR/COND. SIZE PHASE	NEUT.	GRD.	COND.	BREAKER AMPS	POLES	LOAD KVA CØ	BØ	AØ	PHASE	LOAD KVA AØ	BØ	CØ	BREAKER AMPS	POLES	CONDUCTOR/COND. SIZE PHASE	NEUT.	GRD.	COND.	EQUIPMENT SERVED	CIR NO.
1	SPACE	-	-	-	-	-	3			-	A	-			-	3	-	-	-	-	SPACE	2
3									-		B		-									4
5								-			C			-								6
7	LIGHTING	12	12	12	3/4	20	1			1.6	A	1.7			20	1	12	12	12	3/4	LIGHTING	8
9	LIGHTING	12	12	12	3/4	20	1		1.2		B		1.2		20	1	12	12	12	3/4	LIGHTING	10
11	LIGHTING	10	10	10	3/4	20	1	2.1			C			1.8	20	1	12	12	12	3/4	LIGHTING	12
13	LIGHTING	12	12	12	3/4	20	1			1.8	A	2.3			20	1	12	12	12	3/4	LIGHTING	14
15	LIGHTING	12	12	12	3/4	20	1		1.5		B		0.5		15	2	12	12	12	3/4	AIR CONDITIONER FOR LCP2	16
17	EXTERIOR LIGHTING	12	12	12	3/4	20	1	1.3			C			0.5								18
19	EXTERIOR LIGHTING	12	12	12	3/4	20	1			0.7	A	1.3			20	1	12	12	12	3/4	EXTERIOR LIGHTING	20
21	EXTERIOR LIGHTING	12	12	12	3/4	20	1		1.4		B		2.0		20	1	12	12	12	3/4	EXTERIOR LIGHTING	22
23	EXTERIOR LIGHTING	12	12	12	3/4	20	1	2.0			C			-	-	1	-	-	-	-	SPACE	24
25	OVERHEAD DOORS	12	-	12	3/4	15	3			2.7	A	2.7			15	3	12	-	12	3/4	OVERHEAD DOORS	26
27									2.7		B		2.7									28
29								2.7			C			2.7								30
31	OVERHEAD DOORS	12	-	12	3/4	15	3			1.3	A	2.7			15	3	12	-	12	3/4	OVERHEAD DOORS	32
33									1.3		B		2.7									34
35								1.3			C			2.7								36
37	OVERHEAD DOORS	12	-	12	3/4	15	3			2.7	A	2.7			15	3	12	-	12	3/4	OVERHEAD DOORS	38
39									2.7		B		2.7									40
41								2.7			C			2.7								42
43	OVERHEAD DOORS	12	-	12	3/4	15	3			2.7	A	1.6			20	2	12	-	12	3/4	UH-1	44
45									2.7		B		1.6									46
47								2.7			C			1.6	20	2	12	-	12	3/4	UH-1	48
49	UH-1	12	-	12	3/4	20	2			1.6	A	1.6										50
51									1.6		B		1.6		20	2	12	-	12	3/4	UH-1	52
53	UH-1	12	-	12	3/4	20	2	1.6			C			1.6								54
55										1.6	A	3.0			15	3	12	-	12	3/4	EF-5	56
57	UH-1	12	-	12	3/4	20	2		1.6		B		3.0									58
59								1.6			C			3.0								60
61	EF-6	12	-	12	3/4	15	3			2.2	A	2.2			15	3	12	-	12	3/4	EF-5	62
63									2.2		B		2.2									64
65								2.2			C			2.2								66
67	UH-4	12	-	12	3/4	20	3			3.3	A	0.9			15	3	12	-	12	3/4	PUMP	68
69									3.3		B		0.9									70
71								3.3			C			0.9								72
73	SUPPLEMENTAL/TASK LIGHTING	10	10	10	3/4	20	1			1.7	A	1.6			20	2	12	-	12	3/4	UH-1	74
75	UH-1	12	-	12	3/4	20	2		1.6		B		1.6									76
77								1.6			C			-	-	1	-	-	-	-	SPACE	78
79	TLP4	1	-	6	1 1/4	110	3			25.0	A	-			-	1	-	-	-	-	SPACE	80
81									17.1		B		-		-	1	-	-	-	-	SPACE	82
83								16.5			C			-	-	1	-	-	-	-	SPACE	84

PANEL SHALL BE EQUIPPED WITH FULL HEIGHT BUSS FOR CB'S AND PROVISIONS SHOWN

☐ 200% NEUTRAL BUSS ☒ GROUND BUSS
☐ ISOLATED GROUND BUSS
☐ INTEGRAL TVSS ________ kA

PHASE TOTAL	40.0	39.2	48.8		22.7	21.1	19.7
TOTAL CONN. KVA	191.5						
TOTAL CONN. AMPS	230.34						
DIVERSIFIED AMPS	189.8						
SPARE CAPACITY 25%	47.4						
TOTAL LOAD AMPS	237.2						

KEY
DENOTES GFCI TYPE C.B. REQ'D. DENOTES SHUNT TRIP TYPE C.B. REQ'D.
DENOTES AFCI TYPE C.B. REQ'D.
REMARKS

C

PANEL HP3

DESCRIPTION	VOLTAGE	MAINS
PANEL: HP3 LOCATION: COMPRESSOR ROOM III FED FROM: MDSB-3 FEEDER SIZE: TWO PARALLEL RUNS OF 2 1/2"C WITH 4#250KCMIL, 1#2G IN EACH	277/480 VOLTS, 3 PHASE, 4 WIRE AVAILABLE FAULT CURRENT AIC ENCLOSURE ☒ SURFACE MOUNT ☐ FLUSH MOUNT	BUS 600 AMPS RATING 65,000 AIC ☒ LUGS ONLY ☐ MCB ____AMPS ☐ SUBFEED LUGS ☐ FEED THRU LUGS ☐ TOP FEED ☐ BOTTOM FEED

CIR NO.	EQUIPMENT SERVED	CONDUCTOR/COND. SIZE PHASE	NEUT.	GRD.	COND.	BREAKER AMPS	POLES	LOAD KVA CØ	BØ	AØ	PHASE	LOAD KVA AØ	BØ	CØ	BREAKER AMPS	POLES	CONDUCTOR/COND. SIZE PHASE	NEUT.	GRD.	COND.	EQUIPMENT SERVED	CIR NO.
1	COMPRESSOR 1	3/0	-	3/0	2	200	3			38.2	A	38.2			200	3	3/0	-	3/0	2	COMPRESSOR 2	2
3									38.2		B		38.2									4
5								38.2			C			38.2								6
7	COMPRESSOR 3	3/0	-	3/0	2	200	3			38.2	A	2.5			15	3	12	-	12	3/4	EUH-2	8
9									38.2		B		2.5									10
11								38.2			C			2.5								12
13	EF-7	12	-	12	3/4	15	3			2.1	A	-			-	1	-	-	-	-	SPACE	14
15									2.1		B		-		-	1	-	-	-	-	SPACE	16
17								2.1			C			-	-	1	-	-	-	-	SPACE	18
19	SPACE	-	-	-	-	-	1			-	A	-			-	1	-	-	-	-	SPACE	20
21	SPACE	-	-	-	-	-	1		-		B		-		-	1	-	-	-	-	SPACE	22
23	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	24
25	TLP3	12	-	12	3/4	15	1			1.7	A	-			-	1	-	-	-	-	SPACE	26
27									1.2		B		-		-	1	-	-	-	-	SPACE	28
29								1.0			C			-	-	1	-	-	-	-	SPACE	30

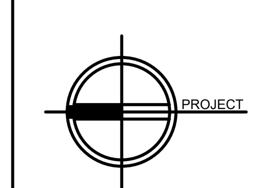
PANEL SHALL BE EQUIPPED WITH FULL HEIGHT BUSS FOR CB'S AND PROVISIONS SHOWN

☐ 200% NEUTRAL BUSS ☒ GROUND BUSS
☐ ISOLATED GROUND BUSS
☐ INTEGRAL TVSS ________ kA

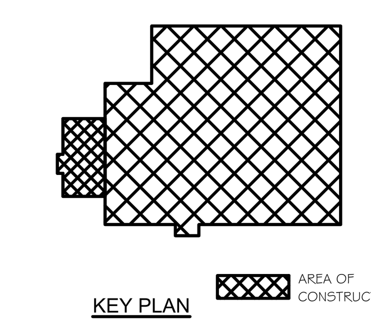
PHASE TOTAL	79.5	79.7	80.2		40.7	40.7	40.7
TOTAL CONN. KVA	361.5						
TOTAL CONN. AMPS	434.8						
DIVERSIFIED AMPS	297.0						
SPARE CAPACITY 25%	74.2						
TOTAL LOAD AMPS	371.2						

KEY
DENOTES GFCI TYPE C.B. REQ'D. DENOTES SHUNT TRIP TYPE C.B. REQ'D.
DENOTES AFCI TYPE C.B. REQ'D.
REMARKS

PROJECT



NORTH



KEY PLAN

Sterling Environmental Engineering, P.C.

martinrogers ENGINEERING CONSULTANTS
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
t.570.826.1000 | f.570.825.0888 | w. www.mrapc.com

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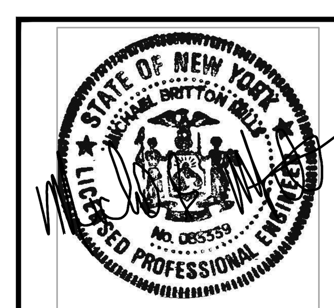

N.Y. P.E. LICENSE No. 083339

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MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

SCHEDULES

	BY	DATE
DRAWN	RER	7/30/21
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DESIGNED	RER	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010
SCALE:
DWG. NO: E-502
REV: C
CAD FILE: N:\2021\21033\MEP\21033 E-502.DWG
SHEET SIZE: D-24x36

PANEL LP1

DESCRIPTION	VOLTAGE	MAINS
PANEL: LP1 LOCATION: ELECTRICAL 113 FED FROM: MDSB-2 FEEDER SIZE: 4#4/0, 1#4G, 2 1/2"C MISC.:	120/208 VOLTS, 3 PHASE, 4 WIRE AVAILABLE FAULT CURRENT ____ AIC ENCLOSURE ☒ SURFACE MOUNT ☐ FLUSH MOUNT	BUS 225 AMPS RATING 22,000 AIC ☐ LUGS ONLY ☒ MCB 225 AMPS ☐ SUBFEED LUGS ☐ FEED THRU LUGS ☐ TOP FEED ☐ BOTTOM FEED

CIR NO.	EQUIPMENT SERVED	PHASE	NEUT.	GRD.	COND.	AMPS	POLES	CØ	BØ	AØ	PHASE	AØ	BØ	CØ	AMPS	POLES	PHASE	NEUT.	GRD.	COND.	EQUIPMENT SERVED	CIR NO.
1	RECEPTACLES	12	12	12	3/4	20	1			1.1	A	1.2			20	1	12	12	12	3/4	RECEPTACLE	2
3	RECEPTACLE	12	12	12	3/4	20	1		1.2		B		0.9		20	1	12	12	12	3/4	RECEPTACLES	4
5	MICROWAVE	12	12	12	3/4	20	1	1.5			C			1.5	20	1	12	12	12	3/4	MICROWAVE	6
7	MICROWAVE	12	12	12	3/4	20	1			1.5	A	0.6			20	1	12	12	12	3/4	REFRIGERATOR	8
9	VENDING	12	12	12	3/4	20	1		1.2		B		1.2		20	1	12	12	12	3/4	VENDING	10
11	RECEPTACLE	12	12	12	3/4	20	1	1.2			C			1.2	20	1	12	12	12	3/4	RECEPTACLE	12
13	RECEPTACLES	12	12	12	3/4	20	1			0.5	A	0.4			20	1	12	12	12	3/4	RECEPTACLES	14
15	RECEPTACLES	12	12	12	3/4	20	1		0.7		B		0.5		15	1	12	12	12	3/4	WATER HEATER (WH-1)	16
17	SPACE	-	-	-	-	-	1	-			C			0.6	20	1	12	12	12	3/4	WATER COOLER	18
19	EXISTING SEWER PUMP	12	-	12	3/4	20	2			0.4	A	0.6			20	1	12	12	12	3/4	EXISTING AUTOMATIC DOOR	20
21									0.4		B		1.2		20	1	12	12	12	3/4	FACP	22
23	ELEVATOR CAR LIGHTS	12	12	12	3/4	20	1	1.0			C			0.6	20	1	12	12	12	3/4	RECEPTACLES	24
25	ELEVATOR	12	-	12	3/4	20	3			0.8	A	0.6			20	1	12	12	12	3/4	BMS CONTROL PANEL	26
27									0.8		B		0.6		20	1	12	12	12	3/4	EXHAUST FAN CONTROL PANEL	28
29								0.8			C			0.8	20	1	12	12	12	3/4	FOOD WASTE DISPOSER	30
31	ATC PANEL	12	12	12	3/4	20	1			0.6	A	0.2			20	1	12	12	12	3/4	ELEVATOR PIT RECEPTACLE	32
33	SPARE	-	-	-	-	15	1		-		B		1.2		20	2	12	-	12	3/4	EXISTING DRY SYSTEM AIR COMPRESSOR	34
35	EF-2	12	12	12	3/4	15	1	0.2			C			1.2								36
37	SPACE	-	-	-	-	-	1			-	A	-			-	1	-	-	-	-	SPACE	38
39	SPACE	-	-	-	-	-	1		-		B		-		-	1	-	-	-	-	SPACE	40
41	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	42
43	SPACE	-	-	-	-	-	1		-		B		-		-	1	-	-	-	-	SPACE	44
45	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	46
47	SPACE	-	-	-	-	-	1			-	A	-			-	1	-	-	-	-	SPACE	48
49	SPACE	-	-	-	-	-	1		-		B		-		-	1	-	-	-	-	SPACE	50
51	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	52
53	SPACE	-	-	-	-	-	1		-		B		-		-	1	-	-	-	-	SPACE	54
55	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	56
57	SPACE	-	-	-	-	-	1			-	A	-			-	1	-	-	-	-	SPACE	58
59	SPACE	-	-	-	-	-	1		-		B		-		-	1	-	-	-	-	SPACE	60
61	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	62
63	SPACE	-	-	-	-	-	1		-		B		-		-	1	-	-	-	-	SPACE	64
65	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	66
67	LP2	4	4	8	1 1/4	70	3			6.8	A	-			-	1	-	-	-	-	SPACE	68
69									6.1		B		-		-	1	-	-	-	-	SPACE	70
71								6.1			C			-	-	1	-	-	-	-	SPACE	72

PANEL SHALL BE EQUIPPED WITH FULL HEIGHT BUSS FOR CB'S AND PROVISIONS SHOWN		
☐ 200% NEUTRAL BUSS ☒ GROUND BUSS	PHASE TOTAL	10.6 / 10.5 / 11.7 / 3.6 / 5.6 / 5.9
☐ ISOLATED GROUND BUSS	TOTAL CONN. KVA	47.9
☐ INTEGRAL TVSS ______ kA	TOTAL CONN. AMPS	133.0
	DIVERSIFIED AMPS	117.4
	SPARE CAPACITY 25%	29.4
	TOTAL LOAD AMPS	146.8

KEY
☒ DENOTES GFCI TYPE C.B. REQ'D. ☒ DENOTES SHUNT TRIP TYPE C.B. REQ'D.
☒ DENOTES AFCI TYPE C.B. REQ'D. ☒ ______
REMARKS

PANEL LP2

DESCRIPTION	VOLTAGE	MAINS
PANEL: LP2 LOCATION: CORRIDOR FED FROM: LP1 FEEDER SIZE: 4#4, 1#8G, 1 1/4"C MISC.:	120/208 VOLTS, 3 PHASE, 4 WIRE AVAILABLE FAULT CURRENT ____ AIC ENCLOSURE ☐ SURFACE MOUNT ☒ FLUSH MOUNT	BUS 100 AMPS RATING 22,000 AIC ☒ LUGS ONLY ☐ MCB ____ AMPS ☐ SUBFEED LUGS ☐ FEED THRU LUGS ☐ TOP FEED ☐ BOTTOM FEED

CIR NO.	EQUIPMENT SERVED	PHASE	NEUT.	GRD.	COND.	AMPS	POLES	CØ	BØ	AØ	PHASE	AØ	BØ	CØ	AMPS	POLES	PHASE	NEUT.	GRD.	COND.	EQUIPMENT SERVED	CIR NO.
1	RECEPTACLES	12	12	12	3/4	20	1			0.7	A	0.7			20	1	12	12	12	3/4	RECEPTACLES	2
3	RECEPTACLES	12	12	12	3/4	20	1		0.7		B		1.2		20	1	12	12	12	3/4	COPIER	4
5	RECEPTACLE	12	12	12	3/4	20	1	1.2			C			1.2	20	1	12	12	12	3/4	RECEPTACLE	6
7	RECEPTACLES	12	12	12	3/4	20	1			0.7	A	0.5			20	1	12	12	12	3/4	RECEPTACLES	8
9	REFRIGERATOR	12	12	12	3/4	20	1		0.6		B		0.5		20	1	12	12	12	3/4	RECEPTACLES	10
11	RECEPTACLES	12	12	12	3/4	20	1	0.7			C			0.5	20	1	12	12	12	3/4	RECEPTACLES	12
13	RECEPTACLES	12	12	12	3/4	20	1			0.9	A	0.6			20	1	12	12	12	3/4	UNDERCOUNTER REFRIGERATOR	14
15	I. T. RECEPTACLES	12	12	12	3/4	20	1		1.2		B		1.2		20	1	12	12	12	3/4	RECEPTACLES	16
17	RECEPTACLES	12	12	12	3/4	20	1	0.7			C			0.5	20	1	12	12	12	3/4	RECEPTACLES	18
19	RECEPTACLES	12	12	12	3/4	20	1			0.7	A	0.7			20	1	12	12	12	3/4	RECEPTACLES	20
21	RECEPTACLES	12	12	12	3/4	20	1		0.5		B		0.2		20	1	12	12	12	3/4	ROOFTOP RECEPTACLE	22
23	CU-1/AC-1	12	-	12	3/4	15	2	1.3			C			-	-	1	-	-	-	-	SPACE	24
25										1.3	A	-			-	1	-	-	-	-	SPACE	26
27	SPACE	-	-	-	-	-	1		-		B		-		-	1	-	-	-	-	SPACE	28
29	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	30
31	SPACE	-	-	-	-	-	1			-	A	-			-	1	-	-	-	-	SPACE	32
33	SPACE	-	-	-	-	-	1		-		B		-		-	1	-	-	-	-	SPACE	34
35	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	36
37	SPACE	-	-	-	-	-	1			-	A	-			-	1	-	-	-	-	SPACE	38
39	SPACE	-	-	-	-	-	1		-		B		-		-	1	-	-	-	-	SPACE	40
41	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	42

PANEL SHALL BE EQUIPPED WITH FULL HEIGHT BUSS FOR CB'S AND PROVISIONS SHOWN		
☐ 200% NEUTRAL BUSS ☒ GROUND BUSS	PHASE TOTAL	3.9 / 3.0 / 4.3 / 2.5 / 3.1 / 2.2
☐ ISOLATED GROUND BUSS	TOTAL CONN. KVA	19.0
☐ INTEGRAL TVSS ______ kA	TOTAL CONN. AMPS	52.7
	DIVERSIFIED AMPS	48.8
	SPARE CAPACITY 25%	12.2
	TOTAL LOAD AMPS	61.0

KEY
☒ DENOTES GFCI TYPE C.B. REQ'D. ☒ DENOTES SHUNT TRIP TYPE C.B. REQ'D.
☒ DENOTES AFCI TYPE C.B. REQ'D. ☒ ______
REMARKS

PANEL LP3

DESCRIPTION	VOLTAGE	MAINS
PANEL: LP3 LOCATION: COMPRESSOR ROOM 111 FED FROM: HP3 FEEDER SIZE: 4#12, 1#12G, 3/4"C MISC.:	120/208 VOLTS, 3 PHASE, 4 WIRE AVAILABLE FAULT CURRENT ____ AIC ENCLOSURE ☒ SURFACE MOUNT ☐ FLUSH MOUNT	BUS 60 AMPS RATING 10,000 AIC ☐ LUGS ONLY ☒ MCB 20 AMPS ☐ SUBFEED LUGS ☐ FEED THRU LUGS ☐ TOP FEED ☐ BOTTOM FEED

CIR NO.	EQUIPMENT SERVED	PHASE	NEUT.	GRD.	COND.	AMPS	POLES	CØ	BØ	AØ	PHASE	AØ	BØ	CØ	AMPS	POLES	PHASE	NEUT.	GRD.	COND.	EQUIPMENT SERVED	CIR NO.
1	DRYER	12	12	12	3/4	15	1			0.6	A	1.1			20	1	12	12	12	12	RECEPTACLES	2
3	CONTROLLER	12	12	12	3/4	15	1		0.6		B		0.6		15	1	12	12	12	12	PREFILTER	4
5	CHARGING VALVE	12	12	12	3/4	15	1	0.6			C			0.4	15	1	12	12	12	12	LOUVERS	6
7	SPACE	-	-	-	-	-	1			-	A	-			-	1	-	-	-	-	SPACE	8
9	SPACE	-	-	-	-	-	1		-		B		-		-	1	-	-	-	-	SPACE	10
11	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	12
13	SPACE	-	-	-	-	-	1			-	A	-			-	1	-	-	-	-	SPACE	14
15	SPACE	-	-	-	-	-	1		-		B		-		-	1	-	-	-	-	SPACE	16
17	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	18

PANEL SHALL BE EQUIPPED WITH FULL HEIGHT BUSS FOR CB'S AND PROVISIONS SHOWN		
☐ 200% NEUTRAL BUSS ☒ GROUND BUSS	PHASE TOTAL	0.6 / 0.6 / 0.6 / 1.1 / 0.6 / 0.4
☐ ISOLATED GROUND BUSS	TOTAL CONN. KVA	3.9
☐ INTEGRAL TVSS ______ kA	TOTAL CONN. AMPS	10.8
	DIVERSIFIED AMPS	10.8
	SPARE CAPACITY 25%	2.7
	TOTAL LOAD AMPS	13.5

KEY
☒ DENOTES GFCI TYPE C.B. REQ'D. ☒ DENOTES SHUNT TRIP TYPE C.B. REQ'D.
☒ DENOTES AFCI TYPE C.B. REQ'D. ☒ ______
REMARKS

PANEL LP4

DESCRIPTION	VOLTAGE	MAINS
PANEL: LP4 LOCATION: AREA 5 STORAGE AREA 167 FED FROM: HP2 FEEDER SIZE: 4#4/0, 1#4G, 2 1/2"C MISC.:	120/208 VOLTS, 3 PHASE, 4 WIRE AVAILABLE FAULT CURRENT ____ AIC ENCLOSURE ☒ SURFACE MOUNT ☐ FLUSH MOUNT	BUS 225 AMPS RATING 22,000 AIC ☐ LUGS ONLY ☒ MCB 225 AMPS ☐ SUBFEED LUGS ☐ FEED THRU LUGS ☐ TOP FEED ☐ BOTTOM FEED

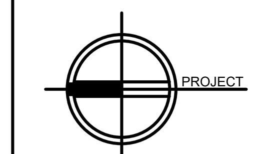
CIR NO.	EQUIPMENT SERVED	PHASE	NEUT.	GRD.	COND.	AMPS	POLES	CØ	BØ	AØ	PHASE	AØ	BØ	CØ	AMPS	POLES	PHASE	NEUT.	GRD.	COND.	EQUIPMENT SERVED	CIR NO.
1	FIRE ROVER	8	8	8	3/4	30	2			4.3	A	4.3			30	2	8	8	8	3/4	FIRE ROVER	2
3									4.3		B		4.3									4
5	RECEPTACLE	10	10	10	3/4	20	1	0.6			C			0.6	20	1	10	10	10	3/4	RECEPTACLES	6
7	RECEPTACLE	8	8	8	3/4	20	1			0.6	A	0.6			20	1	8	8	8	3/4	RECEPTACLES	8
9	VEHICLE RESTRAINT SYSTEM	8	8	8	3/4	20	1		1.2		B		1.2		20	1	8	8	8	3/4	VEHICLE RESTRAINT SYSTEM	10
11	VEHICLE RESTRAINT SYSTEM	8	8	8	3/4	20	1	1.2			C			1.2	20	1	8	8	8	3/4	VEHICLE RESTRAINT SYSTEM	12
13	IUH-1 AND IUH-4	10	10	10	3/4	15	1			1.2	A	1.2			15	1	8	8	8	3/4	IUH-2 AND IUH-3	14
15	IUH-5 AND IUH-6	8	8	8	3/4	15	1		1.2		B		-		20	1	-	-	-	-	SPARE	16
17	SPACE	-	-	-	-	-	2	-			C			-	-	-	-	-	-	-	SPACE	18
19										-	A	-										20
21	EXISTING DRY SYSTEM AIR COMPRESSOR	10	-	10	3/4	20	3		1.3		B		1.4		15	3	10	-	10	3/4	EXISTING UNIT HEATER	22
23								1.3			C			1.4								24
25										1.3	A	1.4										26
27	DRY SYSTEM AIR COMPRESSOR	10	-	10	3/4	20	3		1.3		B		0.5		15	1	12	12	12	3/4	LOUVERS	28
29								1.3			C			0.5	15	1	10	10	10	3/4	LOUVERS	30
31										1.3	A	0.4			15	1	12	12	12	3/4	LOUVERS	32
33	RECEPTACLES	10	10	10	3/4	20	1		0.7		B		0.4		20	1	12	12	12	3/4	RECEPTACLES	34
35	RECEPTACLES	12	12	12	3/4	20	1	0.7			C			0.5	20	1	10	10	10	3/4	RECEPTACLES	36
37	RECEPTACLES	10	10	10	3/4	20	1			0.7	A	-			-	1	-	-	-	-	SPACE	38
39	SPACE	-	-	-	-	-	1		-		B		-		-	1	-	-	-	-	SPACE	40
41	SPACE	-	-	-	-	-	1	-			C			-	-	1	-	-	-	-	SPACE	42

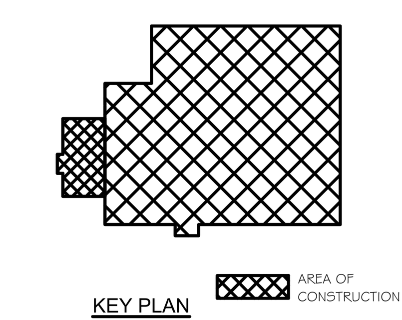
PANEL SHALL BE EQUIPPED WITH FULL HEIGHT BUSS FOR CB'S AND PROVISIONS SHOWN		
☐ 200% NEUTRAL BUSS ☒ GROUND BUSS	PHASE TOTAL	4.4 / 9.3 / 8.7 / 7.5 / 6.9 / 3.2
☐ ISOLATED GROUND BUSS	TOTAL CONN. KVA	40.0
☐ INTEGRAL TVSS ______ kA	TOTAL CONN. AMPS	111.0
	DIVERSIFIED AMPS	111.0
	SPARE CAPACITY 25%	27.8
	TOTAL LOAD AMPS	138.8

KEY
☒ DENOTES GFCI TYPE C.B. REQ'D. ☒ DENOTES SHUNT TRIP TYPE C.B. REQ'D.
☒ DENOTES AFCI TYPE C.B. REQ'D. ☒ ______
REMARKS

C

PROJECT NORTH





KEY PLAN

Sterling Environmental Engineering, P.C.

martinrogers ENGINEERING CONSULTANTS
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
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ANDERSON DESIGN GROUP — ARCHITECTURE, PLANNING, INTERIORS
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RRT Engineering, LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

SCHEDULES

REV	DESCRIPTION	DATE	BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21	RER	RER
B	REVISED FOR RFP ADDENDUM 4	8/27/21		
A	ISSUED FOR RFP	7/30/21	RER	RER

N.Y. P.E. LICENSE No. 083339

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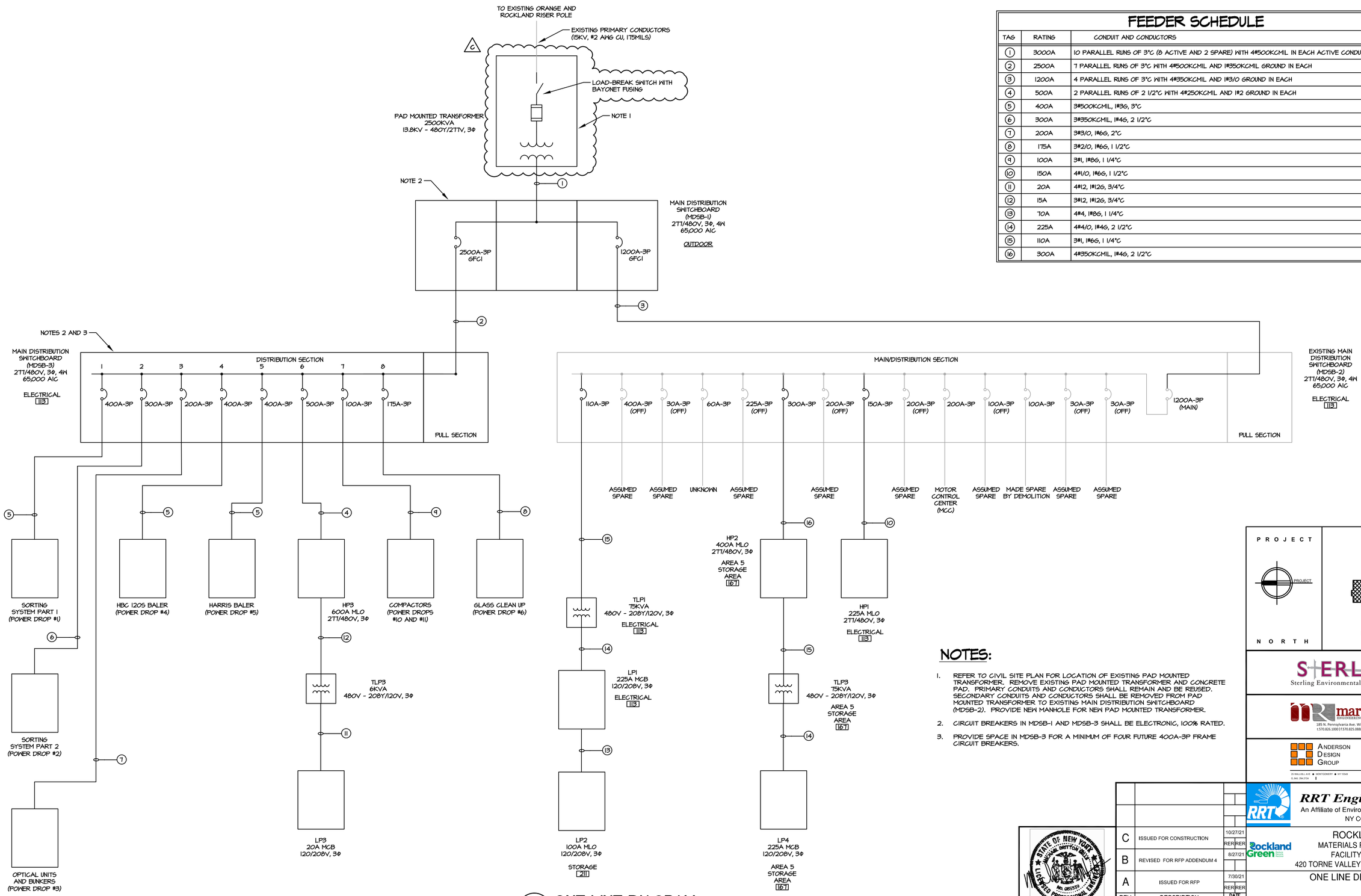
RRT Engineering, LLC
1 Huntington Quadrangle, 3S01 Melville, N.Y. 11747
ph: 631-756-1060 fax: 631-756-1064

	BY	DATE
DRAWN	RER	7/30/21
CHECKED	RER	7/30/21
DESIGNED	RER	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE:
DWG. NO: E-503 C
CAD FILE: N:\2021\21033\MEP\21033 E-503.DWG
SHEET SIZE: D-24x36 REV



1 ONE LINE DIAGRAM
E-504 SCALE: NO SCALE

FEEDER SCHEDULE

TAG	RATING	CONDUIT AND CONDUCTORS
1	3000A	10 PARALLEL RUNS OF 3"C (8 ACTIVE AND 2 SPARE) WITH 4#500KCMIL IN EACH ACTIVE CONDUIT
2	2500A	7 PARALLEL RUNS OF 3"C WITH 4#500KCMIL AND 1#350KCMIL GROUND IN EACH
3	1200A	4 PARALLEL RUNS OF 3"C WITH 4#350KCMIL AND 1#3/0 GROUND IN EACH
4	500A	2 PARALLEL RUNS OF 2 1/2"C WITH 4#250KCMIL AND 1#2 GROUND IN EACH
5	400A	3#500KCMIL, 1#3G, 3"C
6	300A	3#350KCMIL, 1#4G, 2 1/2"C
7	200A	3#3/0, 1#6G, 2"C
8	175A	3#2/0, 1#6G, 1 1/2"C
9	100A	3#1, 1#8G, 1 1/4"C
10	150A	4#1/0, 1#6G, 1 1/2"C
11	20A	4#12, 1#12G, 3/4"C
12	15A	3#12, 1#12G, 3/4"C
13	70A	4#4, 1#8G, 1 1/4"C
14	225A	4#4/0, 1#4G, 2 1/2"C
15	110A	3#1, 1#6G, 1 1/4"C
16	300A	4#350KCMIL, 1#4G, 2 1/2"C

NOTES:

1. REFER TO CIVIL SITE PLAN FOR LOCATION OF EXISTING PAD MOUNTED TRANSFORMER. REMOVE EXISTING PAD MOUNTED TRANSFORMER AND CONCRETE PAD. PRIMARY CONDUITS AND CONDUCTORS SHALL REMAIN AND BE REUSED. SECONDARY CONDUITS AND CONDUCTORS SHALL BE REMOVED FROM PAD MOUNTED TRANSFORMER TO EXISTING MAIN DISTRIBUTION SWITCHBOARD (MDSB-2). PROVIDE NEW MANHOLE FOR NEW PAD MOUNTED TRANSFORMER.
2. CIRCUIT BREAKERS IN MDSB-1 AND MDSB-3 SHALL BE ELECTRONIC, 100% RATED.
3. PROVIDE SPACE IN MDSB-3 FOR A MINIMUM OF FOUR FUTURE 400A-3P FRAME CIRCUIT BREAKERS.

PROJECT
NORTH
KEY PLAN
AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
ENGINEERING CONSULTANTS
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
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20 WALLACE AVE ● MONTGOMERY ● NY 10549
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RRT Engineering , LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

ONE LINE DIAGRAM

REV	DESCRIPTION	DATE	BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21	RER	RER
B	REVISED FOR RFP ADDENDUM 4	8/27/21		
A	ISSUED FOR RFP	7/30/21	RER	RER

STATE OF NEW YORK
MICHAEL BRITTON BELL
No. 083339
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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RRT Engineering , LLC
1 Huntington Quadrangle, 3S01
Melville, N.Y. 11747
ph: 631-756-1060
fax: 631-756-1064

	BY	DATE
DRAWN	RER	7/30/21
CHECKED	RER	7/30/21
DESIGNED	RER	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010
SCALE:
DWG. NO: E-504
REV: C
CAD FILE: N:\2021\21033\MEP\21033 E-504.DWG
SHEET SIZE: D-24x36

ROCKLAND GREEN MRF FACILITY IMPROVEMENTS

CONTRACT NO. 6 - FIRE PROTECTION

420 TORNE VALLEY ROAD HILLBURN NY 10931

Rockland Green — Reduce Recycle Recover

OWNER:

RRT Engineering, LLC
1 Huntington Quadrangle, 3S01 ph: 631-756-1060
Melville, N.Y. 11747 fax: 631-756-1064

OWNER ENGINEER:

ANDERSON DESIGN GROUP
25 WALLKILL AVE • MONTGOMERY • NY 12549
O. 845.294.2724 | CONTACT@ADGARCHITECT.COM
WWW.ADGARCHITECT.COM

ARCHITECT:

martinrogers ENGINEERING CONSULTANTS
185 N. Pennsylvania Ave. wilkes-Barre, PA 18701
t.570.826.1000 | f.570.825.0888 | www.mrapc.com.

MECHANICAL, ELECTRICAL AND PLUMBING ENGINEER:

STERLING
Sterling Environmental Engineering, P.C.

CIVIL ENGINEER:

EXISTING CONSTRUCTION TO REMAIN
EXISTING CONSTRUCTION TO BE REMOVED
NEW WALL
EXISTING DOOR TO REMAIN
NEW DOOR
EXISTING DOOR TO BE REMOVED
DOOR TAG
DETAIL TAG
ROOM DESIGNATION TAG
WALL TYPE TAG
WINDOW TAG
FINISH TAG
KEY NOTE
ELEVATION TAG
WALL/BUILDING SECTION CUT

SHEET LIST TABLE			100% CONSTRUCTION DOCUMENT	REVISION HISTORY			CURRENT REVISION			
SHT.	SHEET TITLE	DRAWING DATE		03/09/21	MM/DD/21	MM/DD/21	Rev. #	DATE	DESCRIPTION	ISSUED (Y/N)
FIREPROTECTION										
FP-000	TITLE SHEET, FIRE PROTECTION	10/27/21	100%				C	10-27-21	ISSUED FOR CONSTRUCTION	No
FP-001	LEGEND, NOTES AND DRAWING SCHEDULE	10/27/21	100%							No
FP-101	PARTIAL FIRST FLOOR PLAN – FIRE PROTECTION	10/27/21	100%							No
FP-102	PARTIAL SECOND FLOOR PLAN – FIRE PROTECTION	10/27/21	100%							No
FP-103	PARTIAL FIRST FLOOR PLAN – FIRE PROTECTION	10/27/21	100%							No
FP-301	ENLARGED FLOOR PLANS – FIRE PROTECTION	10/27/21	100%							No
FIRE ALARM										
FA-000	LEGEND, NOTES AND DRAWING SCHEDULE	10/27/21	100%							No
FA-101	PARTIAL FLOOR PLANS - DEMOLITION	10/27/21	100%							No
FA-102	PARTIAL FIRST FLOOR PLAN DEMOLITION	10/27/21	100%							No
FA-401	PARTIAL FLOOR PLANS – FIRE ALARM	10/27/21	100%							No
FA-402	PARTIAL FIRST FLOOR PLAN – FIRE ALARM	10/27/21	100%							No
FA-501	DETAILS AND RISERS	10/27/21	100%							No

ABBREVIATIONS:

AB.	ANCHOR BOLT	MAT.	MATERIAL
A.C.T.	ACOUSTICAL CEILING TILE	MAX.	MAXIMUM
A.F.F.	ABOVE FINISH FLOOR	MECH.	MECHANICAL
APPX.	APPROXIMATE	MIN.	MINIMUM
ARCH.	ARCHITECT	MIR.	MIRROR
BSMT.	BASEMENT	MISC.	MISCELLANEOUS
BM	BEAM	MTL	METAL
BD	BOARD	NOM.	NOMINAL
BOT.	BOTTOM	N.T.S	NOT TO SCALE
BLDG.	BUILDING	O.C.	ON CENTER
CAB.	CABINET	O.H.	OVERHEAD
CLG.	CEILING	PTD.	PAINTED
C.T.	CERAMIC TILE	P. LAM.	PLASTIC LAMINATE
CIR.	CIRCLE	PL.	PLATE
COL	COLUMN	P.S.F.	POUNDS PER SQ. FOOT
C.J.	CONTROL JOINT	P.S.I.	POUNDS PER SQ. INCH.
CORR.	CORRIDOR	PREFAB	PREFABRICATED
D.L.	DEAD LOAD	P.T.	PRESSURE TREATED (WOOD)
DTL	DETAIL	RAD.	RADIUS
DIAM.	DIAMETER	RLG.	RAILING
DIM.	DIMENSION	REF.	REFRIGERATOR
D.W.	DISHWASHER	REINF.	REINFORCE(ED), (ING)
D.H.	DOUBLE HUNG	REV.	REVISION(S), (E), (ED)
D.S.	DOWNSPOUT	R.	RISER
DWG.	DRAWING	RFG.	ROOFING
ELEC.	ELECTRICAL	RM.	ROOM
ELEV.	ELEVATION	SEC.	SECTION
EQ.	EQUAL	SHTHG.	SHEATHING
EXIST.	EXISTING	SHT.	SHEET
EXT.	EXTERIOR	SIM	SIMILAR
E.I.F.S	EXTERIOR INSULATED FINISH SYSTEM	S.C.	SOLID CORE
FIN.	FINISH	SPEC.	SPECIFICATION
F.P.	FIREPLACE	SQ.	SQUARE
FLR	FLOOR	STD.	STANDARD
F.D.	FLOOR DRAIN	STO.	STORAGE
FTG.	FOOTING	STRL.	STRUCTURAL
FND.	FOUNDATION	THK	THICKNESS
FUR.	FURRED	THR.	THRESHOLD
G.C.	GENERAL CONTRACTOR	T&G	TONGUE AND GROOVE
GL.	GLASS, GLAZING	T.O.C.	TOP OF CONCRETE
GYP.BD	GYPSUM BOARD	T.O.B.	TOP OF BEAM
HDW.	HARDWARE	T.O.F.	TOP OF FOUNDATION
HDR.	HEADER	T.O.P.	TOP OF PLATE
HTG.	HEATING	TR	TREAD
HVAC	HEATING/VENTALATION/AIR CONDITIONING	TYP.	TYPICAL
		UNF.	UNFINISHED
		U.O.N.	UNLESS OTHERWISE NOTED
HGT.	HEIGHT	V.B.	VAPOR BARRIER
HORZ.	HORIZONTAL	VERT.	VERTICAL
HB.	HOSE BIBB	V.I.F.	VERIFY
INS.	INSULATE(D), (ION)	W.C.	WATER CLOSET
JT.	JOINT	W.P.	WATER PROOFING
JST.	JOIST	W.R.	WATER RESISTANT
KIT	KITCHEN	WWF.	WELDED WIRE FABRIC
LAV.	LAVATORY	WN.	WINDOW
LT.	LIGHT	W/O	WITHOUT
L.L.	LIVE LOAD	WD.	WOOD
MFR.	MANUFACTURE(R)		
MAS.	MASONRY		

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N
TRUE

BUILDING LOCATION AERIAL

N
TRUE

ROCKLAND GREEN FACILITY IMPROVEMENTS PHASING NOTE

1. Rockland Green is soliciting proposals for the construction of improvements to its existing Materials Recovery Facility (MRF), as further detailed in the Drawings and Specifications. These Facility Improvements include, but are not limited to, a building addition, site work, interior demolition work, interior build-out work, electric service upgrades and reworked mechanical, plumbing, electrical, fire sprinkler and fire alarm systems to accommodate a new state-of-the-art dual stream recyclables processing system supplied and installed under Contract No. 1 - Processing Equipment.

2. The Facility Improvements are being procured through separate contracts as follows:
   - Contract No. 2 - Facility Improvements: General Construction
   - Contract No. 3 - Facility Improvements: Mechanical/HVAC
   - Contract No. 4 - Facility Improvements: Plumbing
   - Contract No. 5 - Facility Improvements: Electrical
   - Contract No. 6 - Facility Improvements: Fire Protection System

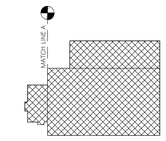
3. The building has been divided into the following area designations:
   - Area 1 - Existing Tipping Area.
   - Area 2 - Existing Processing Area.
   - Area 3 - Existing Administration Area.
   - Area 4 - New Commingled Tipping Area.
   - Area 5 - New Storage & Glass Processing Area
   - Area 6 - New Truck Loading Dock Area.

4. Work shall commence on the exterior and in the Areas 1 and 2 for its Substantial Completion to be achieved prior to the start of delivery and installation of the Dual Stream Recyclables Processing System, which is scheduled to occur early December 2021. It shall include all Work as defined in the Contract Drawings, Specifications, and RFP Appendices. It shall also include all rough-ins associated with Mechanical, Electrical, Plumbing, and Fire Protection Equipment. All final connections of Mechanical, Electrical, Plumbing and Fire Protection (including equipment fire sprinkler system) in Areas 1 and 2 shall be completed prior to the startup of processing equipment.

5. Work in Area 3 shall be sequenced to allow sufficient access and use of existing space for Contractors on- site as approved by the Engineer and the Contractors for Contract Nos. 2-6 shall achieve Substantial Completion prior to the required date for the Operator to mobilize on-site and have partial occupancy and use of Area 3. Additionally, any Work by Contract Nos. 1 and 3-6 related to all other Areas 1, 2, 4-6 and the site work/exterior shall progress and be completed to support and not delay the overall Project Schedule.

6. Contract Nos. 2-6 Work in Areas 4 - 6 shall be sequenced by each applicable Contractor to make most use and access of working space where the building erection is complete, so the work of Contract No. 1 can proceed efficiently. All work to be coordinated between the Contractors.

PROJECT
PROJECT
NORTH



KEY PLAN
AREA OF CONSTRUCTION

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RRT Engineering, LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

REV	DESCRIPTION	DATE BY CHK
C	ISSUED FOR CONSTRUCTION	10-27-21
B	REVISED FOR RFP ADDENDUM 4	08-27-21
A	ISSUED FOR RFP	03-30-21

STATE OF NEW YORK — JASON T. ANDERSON — LICENSED PROFESSIONAL ENGINEER — No. 083339

N.Y. PE LICENSE No. 083339

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Rockland Green — Reduce Recycle Recover

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

TITLE SHEET_FIRE PROTECTION

	BY	DATE		
DRAWN	IDEA	07/09/21	PROJ. No: 499-010	SCALE: AS SHOWN
CHECKED		07/09/21	DWG. NO: FP-000	C
DESIGNED		07/09/21		
APPROVED		07/09/21	CAD FILE:	
APPROVED			SHEET SIZE: D-24x36	REV.

DESIGN DATA

THE ENTIRE INSTALLATION OF THE FIRE PROTECTION SYSTEM SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF NFPA PAMPHLET #13, INTERNATIONAL BUILDING CODES, AND THE OWNER'S INSURANCE CARRIER (FM GLOBAL), AS WELL AS THE LOCAL FIRE DEPARTMENT REGULATIONS.

THE SPRINKLER HEADS INDICATED ON THE PLANS ARE SHOWN FOR BIDDING AND APPROVAL PURPOSES ONLY. THE PIPING SYSTEM MUST BE DESIGNED HYDRAULICALLY BY THE CONTRACTOR TO PROVIDE THE PRESCRIBED DENSITY OVER THE MOST REMOTE SPECIFIED AREA. ANY CHANGES IN LAYOUT REQUIRED BY THE FINAL DESIGN PROCEDURE SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. THE FOLLOWING ARE DESIGN STANDARDS FOR SPRINKLER WORK. THE CONTRACTOR SHALL VERIFY THESE STANDARDS WITH OWNER'S INSURANCE CARRIER (FM GLOBAL).

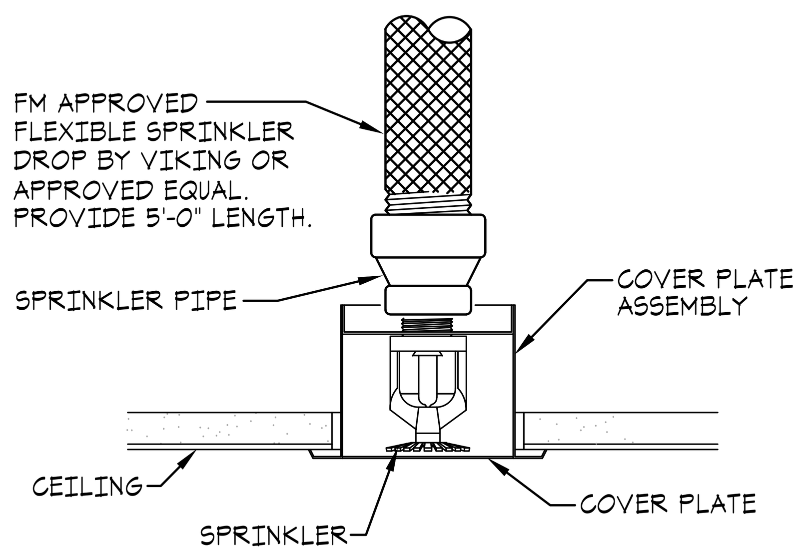
MECHANICAL ROOMS, ELECTRICAL ROOMS, STORAGE ROOMS & INDICATED AREAS = ORDINARY HAZARD OCCUPANCY: 0.2 GPM/SQ. FT. OVER 1500 SQ. FT., 130 SQ. FT. MAXIMUM HEAD COVERAGE, WET SYSTEM.

AREA 1, 2 ORDINARY HAZARD GROUP II OCCUPANCY: 0.20 GPM/SQ FT, OWNER REQUESTS 0.30 GPM / SQ FT. COVERAGE DRY SYSTEM.

AREA 3 LIGHT HAZARD OCCUPANCY: 0.10 GPM/SQ. FT. OVER 1500 SQ. FT., 225 SQ. FT. PER HEAD MAXIMUM COVERAGE WET SYSTEM.

AREA 4, 5 EXTRA HAZARD GROUP II OCCUPANCY: 0.45 GPM/SQ FT. COVERAGE DRY SYSTEM.

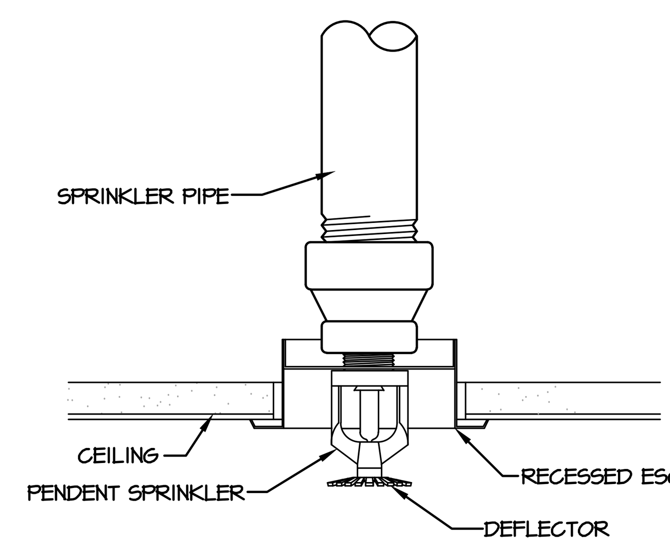
AREA 6 ORDINARY HAZARD GROUP II OCCUPANCY: 0.20 GPM/SQ FT. COVERAGE DRY SYSTEM.



NOTE:

1. NEW CONCEALED PENDENT SPRINKLERS SHALL BE VIKING "MIRAGE" VK462, QUICK RESPONSE, 5.6 K FACTOR, 155°F, GLASS BEAD TYPE, BRASS WITH WHITE COVER PLATE.

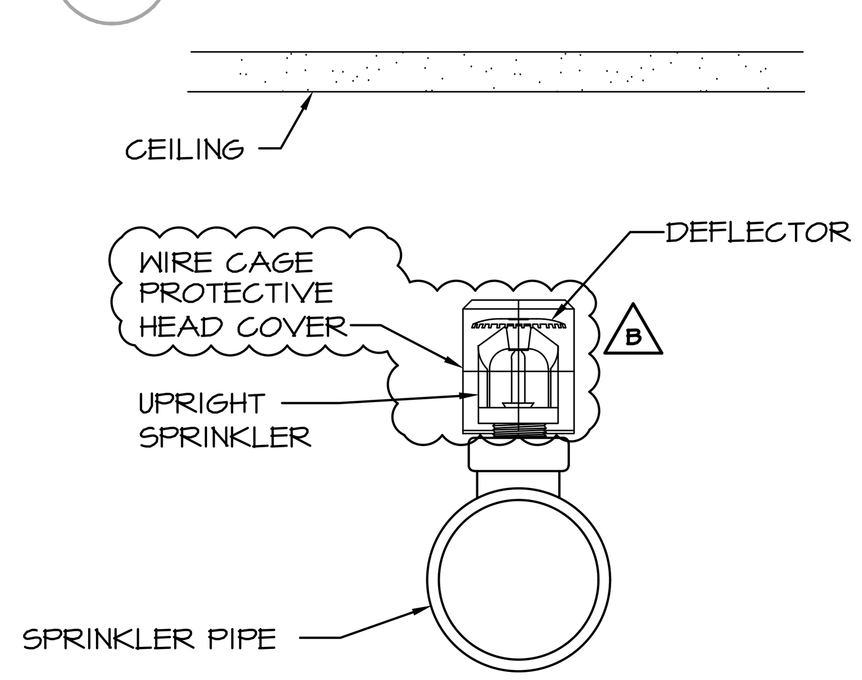
1 CONCEALED SPRINKLER DETAIL
FP-000-BP SCALE: NONE



NOTE:

1. NEW SEMI-RECESSED PENDENT SPRINKLERS SHALL BE VIKING "MIRAGE" VK302, QUICK RESPONSE, 5.6 K FACTOR, 155°F, GLASS BEAD TYPE, CHROMED BRASS.

2 SEMI-RECESSED SPRINKLER DETAIL
FP-000-BP SCALE: NONE



3 UPRIGHT SPRINKLER DETAIL
FP-000-BP SCALE: NONE

FIRE PROTECTION SYSTEM

1. SCOPE: Furnish and install all work required for the performance of all operations relating to the Fire Protection System. Work shown on the drawings is schematic and/or diagrammatic only and shall be considered as such. All installations shall be made only from approved shop drawings.
2. REGULATIONS: The entire sprinkler system as shown on the drawings and as specified shall be installed in accordance with the rules and regulations of the Owner's insurance carrier, and NFPA-13. All materials and devices shall be in accordance with the rules and regulations of the above Carrier, or the latest rules and regulations of the NFPA, and those approved by the Underwriter's Laboratory.
3. SERVICE FEES: The sprinkler contractor shall apply for and pay all inspection, permit, license, and other service fees required by local authorities in connection with the work under this Contract.
4. INTERIOR FIRE PROTECTION PIPING: Piping shall be new, black steel, 175 psi working pressure, conforming to ASTM specifications, manufactured in the United States, and have manufacturer's name or brand, along with applicable ASTM standard, marked on each length of pipe shall be schedule 10, ASTM 135, Grade B, rolled grooved connections.
5. COUPLINGS AND FITTINGS: Either threaded and/or mechanical couplings may be used to join fire protection piping at the Contractor's option. Mechanical couplings and fittings shall be limited to those items which are U.L. listed.
6. SPRINKLER HEAD FITTINGS: Either threaded (mallable iron, ASTM A-47 or ductile iron, ASTM 536) or mechanical fittings may be utilized to attach sprinkler heads to sprinkler line All mechanical fittings shall have pressure sensitive gaskets, EDPM Grade E, green color, conforming to ASTM D-2000 for water service up to 230°F. Install adjustable drop nipples on all recessed pendent sprinklers installed in suspended ceilings. Adjustable drop nipples shall be screw-type with O-ring seals and shall be UL-FM approved.
7. HANGERS: Provide and install approved type of hangers and pipe supports as required by NFPA-13. All hangers and components shall be UL Listed.
8. SLEEVES: Provide and install sleeves for all piping passing through masonry walls or floors. Sleeves shall be schedule 40 black steel pipe and shall be flush with both faces of the wall and floor including any finishes.
9. VALVES:
   - A. Control valves shall be slow-close butterfly type (with supervisory switch). Valves2-1/2" and larger shall be DeZurick Fig. 632.
   - B. Zone control valves, size 2" and smaller shall be bronze body slow-closing butterfly type (with supervisory switch). Valves shall be Milwaukee Butterball Model (BB-SCS02) (BB-SC100).
   - C. Gates valves shall be outside screw and yoke, iron body, solid wedge gate designed for cold water working pressure of 175 pounds per square inch. Valve shall be U.L. and F.M. approved. Valve shall be Nibco F-607-O or approved equal.
   - D. All valves controlling the sprinkler system shall be approved indicating valves. Each valve shall be provided with an identification sign indicating the portion of the system controlled.
   - E. All control valves shall be locked in the open position. Provide chains and locks. Locks to be keyed the same.
   - F. Swing check valves four inches (4") and larger shall be iron body, bronze mounted, standard Underwriter's pattern and designed for a cold water working pressure of 175 pounds per square inch. Valve shall be NIBCO F-908 or equal.
   - G. Swing check valves less than four inches (4") shall be all brass and designed for a working pressure of 200 pounds per square inch for cold water. All check valves Shall be straight-way pattern swing check type, and installed in a horizontal position. Valve shall be NIBCO KT-403-W or approved equal.
   - H. All valves shall be U.L. and F.M. approved.
10. SPRINKLER HEADS: All sprinkler heads installed shall be UL listed. All sprinkler heads installed shall have 1/2 inch orifice with a "K" factor ranging between 5.3 and 5.8 unless otherwise noted on the drawings. Sprinkler heads shall be standard 155°F heads except where noted on the drawings or as required by the authorities having jurisdiction. The pipe for sprinkler heads in the pendent position shall be taken from the distribution pipe above the ceiling, using not less than a one inch (1"), I.P.S. pipe and a one inch (1") x one-half inch (1/2") reducer. Pipes shall be located so that an escutcheon and a standard spray head or flush type spray heads can be installed as per the manufacturer's recommendation.
11. FLUSHING: All new sprinkler piping shall be thoroughly flushed to remove all foreign material. No water shall discharge to an area which shall cause damage to the Owner's property, equipment or interrupt his operations. Also the discharge of water shall not interfere with the operations of other Contractors on the job or damage to their property or equipment.
12. TESTING: All new sprinkler and standpipe piping, including yard systems, shall be hydrostatically tested at no less than 200 psi pressure for 2 hours, or at 50 psi in excess of the maximum pressure when the maximum pressure to be maintained in the system is in excess of 150 psi. Test pressure shall be read from a gauge located at the low elevation of the new sprinkler system being tested. Dry pipe systems shall be air tested at 40 psi pressure for 24 hours with a maximum pressure loss of 1-1/2 psi for the 24 hours. All leaks in excess of 1-1/2 psi shall be stopped. A working test of the dry pipe valve shall also be performed. All drainage facilities shall be tested per NFPA 13. After all new sprinkler piping is hydrostatically tested and approved this Contractor shall then make the final connection to the existing system. The new connection shall then be tested at the operating pressure of the entire sprinkler system.
13. FINAL CERTIFICATE OF APPROVAL AND RECORD PRINTS: At the completion of sprinkler work, one (1) set of corrected prints, and one (1) set of mylar sepias shall be given to the Owner with the final certificate of tests on all interior systems and yard systems. Instruct Owner's representatives on all aspects of operation and periodic testing of installed systems.

FIRE PROTECTION GENERAL NOTES:

1. VERIFY LOCATIONS OF EXISTING AND NEW WORK REQUIRED FOR CONSTRUCTION. MODIFY POINTS OF CONNECTION TO EXISTING SYSTEMS AS NECESSARY FOR JOB CONDITIONS. PROVIDE VALVING, PIPING AND TEMPORARY CONNECTIONS TO NEW AND EXISTING SYSTEMS AS NECESSARY FOR WORK CONTINUATION.
2. ALL EXISTING SYSTEMS NOT IN THE CONSTRUCTION PHASE SHALL REMAIN IN SERVICE. ALL SYSTEM SHUTDOWNS SHALL BE COORDINATED AND OCCUR ONLY WITH THE APPROVAL OF THE FACILITY.
3. THIS CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING MADE NECESSARY BY HIS WORK. REMOVALS SHALL BE TO BEYOND FINISHED SURFACES TO ALLOW PATCHING AND FINISHING TO MATCH ADJACENT SURFACES.
4. DEMOLITION ITEMS SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY DISPOSED OF, EXCEPT AS DIRECTED BY THE OWNERS REPRESENTATIVE.
5. COORDINATE ALL WORK WITH THE FUNCTIONS OF ADJACENT AREAS INCLUDING ABOVE AND BELOW THE PROJECT AREA. PROVIDE SLAB CUTTING AND PATCHING AS NECESSARY TO MAKE NEW CONNECTIONS TO EXISTING UNDER FLOOR PIPING. FIELD VERIFY EXACT SIZES AND INVERTS PRIOR TO CONNECTION.
6. CEILINGS THAT NEED TO BE TEMPORARILY REMOVED TO ALLOW FOR THE INSTALLATION OF PIPING OR EQUIPMENT AND ARE NOT SCHEDULED TO BE REMOVED ON THE ARCHITECTURAL DRAWINGS SHALL BE REMOVED AND REPLACED BY THIS CONTRACTOR. COORDINATE THE REMOVAL AND THE REPLACEMENT WITH THE ELECTRICAL, MECHANICAL CONTRACTOR(S) AND THE PLUMBING CONTRACTOR.
7. DO NOT INSTALL ANY FIRE PROTECTION WORK ABOVE ELECTRICAL PANELS.
8. DO NOT INSTALL ANY FIRE PROTECTION WORK ABOVE OR THROUGH ELEVATOR EQUIPMENT ROOM, UNLESS SPECIFICALLY SERVING EQUIPMENT ROOM.
9. SLEEVE AND SEAL ALL PIPE PENETRATIONS OF WALL AND FLOORS. PACK VOID BETWEEN PIPE AND SLEEVE WITH INSULATION IN NON-RATED WALL AND FLOORS. PACK VOID BETWEEN PIPE AND SLEEVE WITH INSULATION IN FIRE-RATED WALLS AND FLOORS, APPLY INTUMESCENT FIRE SAFING COMPOUND AT PENETRATION, MAINTAINING INTEGRITY AND RATING OF FIRE SEPARATION. SLEEVES THROUGH FLOORS SHALL EXTEND 2" ABOVE FLOOR, BE GROUTED INTO PLACE AND WATERPROOFED. PIPING THROUGH EXTERIOR WALLS SHALL BE SLEEVED AND SEALED WEATHER TIGHT.
10. COVERAGE SHALL MEET OR EXCEED THE REQUIREMENTS OF NFPA-13. FIELD CONDITIONS MAY DICTATE ADDITIONAL HEADS BE PROVIDED. CONTRACTOR SHALL MAKE PROVISIONS FOR SUCH CIRCUMSTANCES. NO ADDITIONAL COSTS WILL BE ALLOWED FOR SUCH SITUATIONS.
11. CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE EXISTING CONDITIONS PRIOR TO SUBMITTING THEIR BID. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR CIRCUMSTANCES ARISING OUT OF CONTRACTOR'S FAILURE TO PERFORM THIS EXAMINATION.
12. FIRE PROTECTION CONTRACTOR TO INSTALL SPRINKLERS AND TEST SYSTEM PER NFPA-13. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL FIRE DEPARTMENT AND OWNERS INSURANCE. THE FIRE PROTECTION CONTRACTOR SHALL OBTAIN, PROVIDE AND PAY FOR ALL PERMITS REQUIRED TO MAKE THE INSTALLATION.
13. SPRINKLER CONTRACTOR SHALL PROVIDE ALL MATERIAL AND EQUIPMENT NECESSARY TO COMPLETE INSTALLATION OF THE FIRE PROTECTION SYSTEM. THE SYSTEM SHALL INCLUDE BUT IS NOT LIMITED TO SPRINKLER HEADS, ESCUTCHEONS, PIPE, PIPE FITTINGS, HANGERS, DRAINS, WET TEST CONNECTIONS, SIGNS AND OTHER IDENTIFICATION MARKINGS AS REQUIRED. EXISTING PIPING SHALL BE REPLACED AND/OR MODIFIED AS NECESSARY TO MEET SYSTEM DEMANDS. EXISTING PIPING MAY BE REUSED IF SIZES ARE ADEQUATE FOR THE NEW HYDRAULICALLY CALCULATED SYSTEM.
14. THE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY CALCULATED. SHOP DRAWINGS 1/8th INCH SCALE MINIMUM, ARE REQUIRED. SHOP DRAWINGS SHALL BE DRAWN ON REFLECTED CEILING PLANS INCLUDING GRIDS, LIGHT FIXTURES, AIR DIFFUSERS, SPEAKERS, ETC., AND SHALL BE COORDINATED WITH HVAC DUCTS AND ELECTRICAL WIREWAYS. SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE SUBMITTED TO THE ARCHITECT, THE AUTHORITIES HAVING JURISDICTION AND THE OWNERS INSURANCE COMPANY FOR APPROVAL. TWO COPIES OF THE APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION SHALL BE FORWARDED TO THE ARCHITECT FOR THEIR RECORDS.
15. DURING PREPARATION OF THE SHOP DRAWINGS, CONSULT WITH THE MECHANICAL, ELECTRICAL, GENERAL AND OTHER TRADES REGARDING THE INSTALLATION AND LOCATION OF PIPING AND DEVICES, SO THAT THE WORK MAY BE INSTALLED WITHOUT INTERFERING WITH THE WORK OF OTHERS. ADDITIONALLY, FIELD COORDINATION SHALL BE REQUIRED AS NECESSARY. SHOULD CONFLICTS ARISE THAT CANNOT BE RESOLVED BETWEEN THE VARIOUS CONTRACTORS, THEY ARE TO BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING.
16. THE CONTRACTOR GUARANTEES THAT ALL WORK INSTALLED SHALL BE FREE OF ALL DEFECTS IN WORKMANSHIP AND MATERIAL FOR A PERIOD OF ONE YEAR FROM THE DATE OF CERTIFICATION OF COMPLETION AND ACCEPTANCE OF THE WORK.
17. THE FIRE PROTECTION CONTRACTOR SHALL CONFIRM THE TEMPERATURE AND RESPONSE RATINGS OF ANY EXISTING SPRINKLER HEADS TO REMAIN IN ANY SPACES THAT WILL CONTAIN BOTH EXISTING AND NEW SPRINKLERS. ADVISE ENGINEER OF ANY DIFFERENCES IN TEMPERATURES AND/OR RESPONSE RATINGS.
18. THE HEIGHT, VOLUME AND CLASSIFICATION OF STORED MATERIALS MAY REQUIRE COMPLIANCE WITH CHAPTER 32 HIGH PILED COMBUSTIBLE STORAGE OF THE 2020 FIRE CODE OF NEW YORK STATE.

GENERAL

- POINT OF CONNECTION TO EXISTING
- POINT OF DISCONNECTION
- HC / 1 — FIXTURE/EQUIPMENT IDENTIFICATION TAG
- 1 / FP1.1 — PLAN/DETAIL #/DRAWING NUMBER

PIPE SYMBOLS

- PIPE ELBOW UP
- PIPE TEE UP
- PIPE ELBOW DOWN
- PIPE TEE DOWN
- BALL VALVE
- GATE VALVE
- CHECK VALVE
- BUTTERFLY VALVE
- UNION
- FLANGE
- PIPE CAP
- Y-TYPE STRAINER
- PRESSURE GAUGE W/PETCOCK
- PRESSURE RELIEF VALVE
- HOSE END DRAIN VALVE
- WET PIPE ALARM VALVE
- W — WATER SUPPLY MAIN
- FW — FIRE WATER MAIN
- SP — SPRINKLER MAIN
- EXISTING SPRINKLER TO REMAIN
- EXISTING SPRINKLER TO BE REMOVED
- NEW SEMI-RECESSED PENDENT SPRINKLER
- NEW UPRIGHT SPRINKLER
- NEW CONCEALED PENDENT SPRINKLER
- NEW SIDEWALL SPRINKLER

ABBREVIATIONS

&	AND
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BHP	BRAKE HORSEPOWER
CLG	CEILING
CONT	CONTINUATION
CW	COLD WATER
DN	DOWN
DOM	DOMESTIC
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EX	EXISTING (ALSO EXIST.)
FD	FLOOR DRAIN
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
H & CW	HOT AND COLD WATER
HP	HORSEPOWER
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HW	HOT WATER
HWR	HOT WATER RECIRCULATING
HZ	HERTZ
IN WG	INCHES WATER GAUGE
KW	KILOWATT
PD	PRESSURE DROP
PH	PHASE
PSI (G)	POUNDS PER SQUARE INCH (GAUGE)
RAC	RUN ABOVE CEILING
RBF	RUN BELOW FLOOR
RIC	RUN IN CHASE
RO	ROOF OPENING
TYP	TYPICAL
#V	VOLTS
W/	WITH

NOTE : THIS IS A GENERAL FIRE PROTECTION LEGEND. ALL SYMBOLS MAY NOT APPEAR ON THE PLANS. SEE PLANS FOR ACTUAL SYMBOLS USED.

FIRE PROTECTION DRAWING SCHEDULE

		ISSUED FOR RFP 07-09-2021					
FP-101	PARTIAL FIRST FLOOR PLAN - FIRE PROTECTION	●					
FP-102	PARTIAL SECOND FLOOR PLAN - FIRE PROTECTION	●					
FP-103	PARTIAL FIRST FLOOR PLAN - FIRE PROTECTION	●					
FP-301	ENLARGED FLOOR PLANS - FIRE PROTECTION	●					

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REV	DESCRIPTION	DATE	BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21	RVS	RGL
B	REVISED FOR RFP ADDENDUM 4	8/27/21	RVS	RGL
A	ISSUED FOR RFP	7/30/21	RVS	RGL

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An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

LEGEND, NOTES AND DRAWING SCHEDULE

	BY	DATE		
DRAWN	RVS	7/30/21	PROJ. No: 499-010	SCALE: NTS
CHECKED	RGL	7/30/21	DWG. NO: FP-001	C
DESIGNED	RVS	7/30/21		
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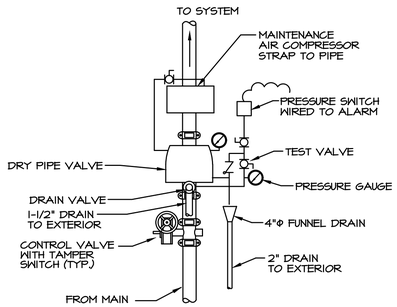
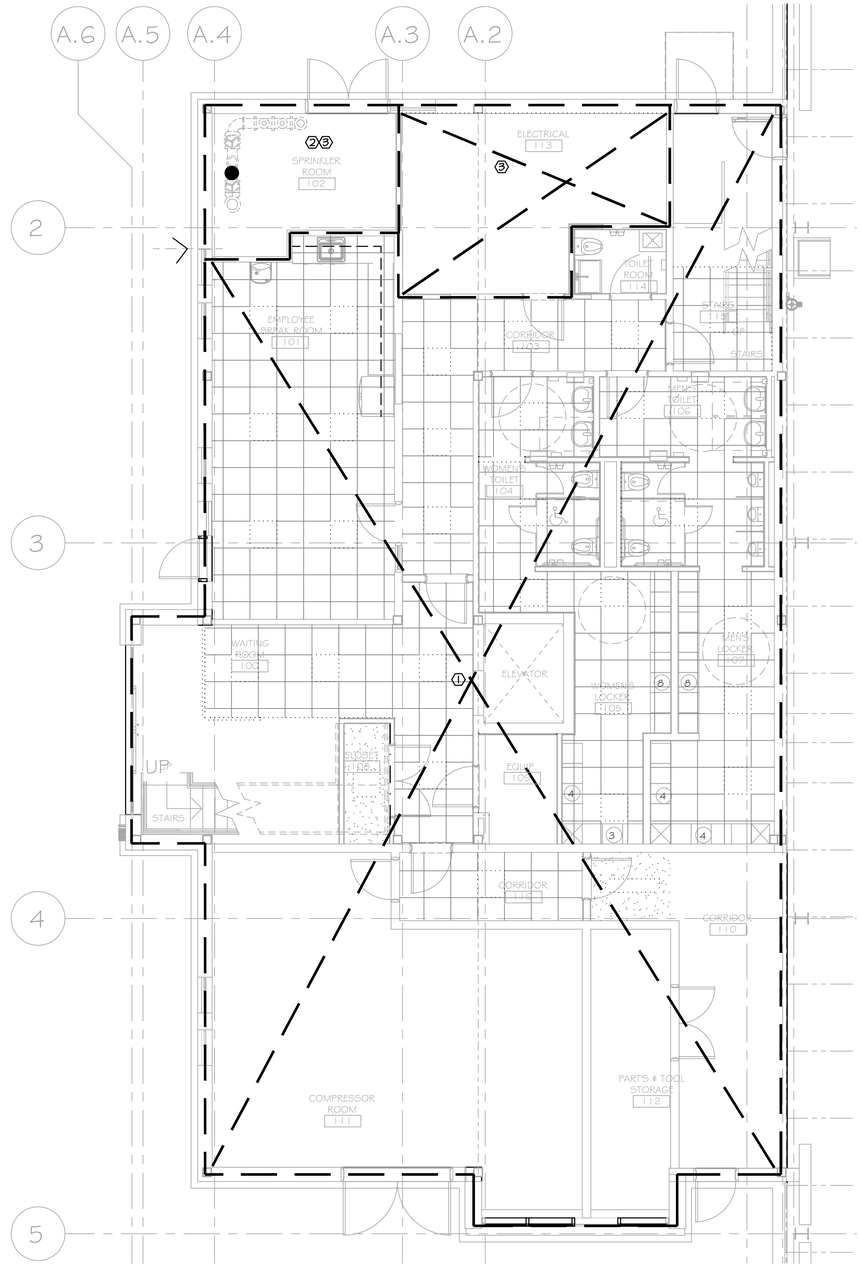
APPROVED	-		SHEET SIZE: D-24x36	REV



1 FP-101-BP DRY SYSTEM SPRINKLER DETAIL
SCALE: NONE

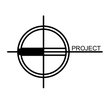


1 FP-101-BP PARTIAL FIRST FLOOR PLAN - FIRE PROTECTION
SCALE: 3/16"=1'-0"

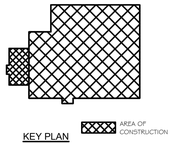
KEY NOTES:

1. REVISE FIRE PROTECTION THIS AREA FOR NEW FLOOR PLAN, WET SYSTEM.
2. EXISTING FIRE RISER.
3. PROVIDE ORDINARY HAZARD THIS AREA.

PROJECT



NORTH



KEY PLAN

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REV	DESCRIPTION	DATE BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21 RVS	RGL
B	REVISED FOR RFP ADDENDUM 4	8/27/21 RVS	RGL
A	ISSUED FOR RFP	7/30/21 RVS	RGL

N.Y. P.E. LICENSE No. 083339

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NY COA # 0017967

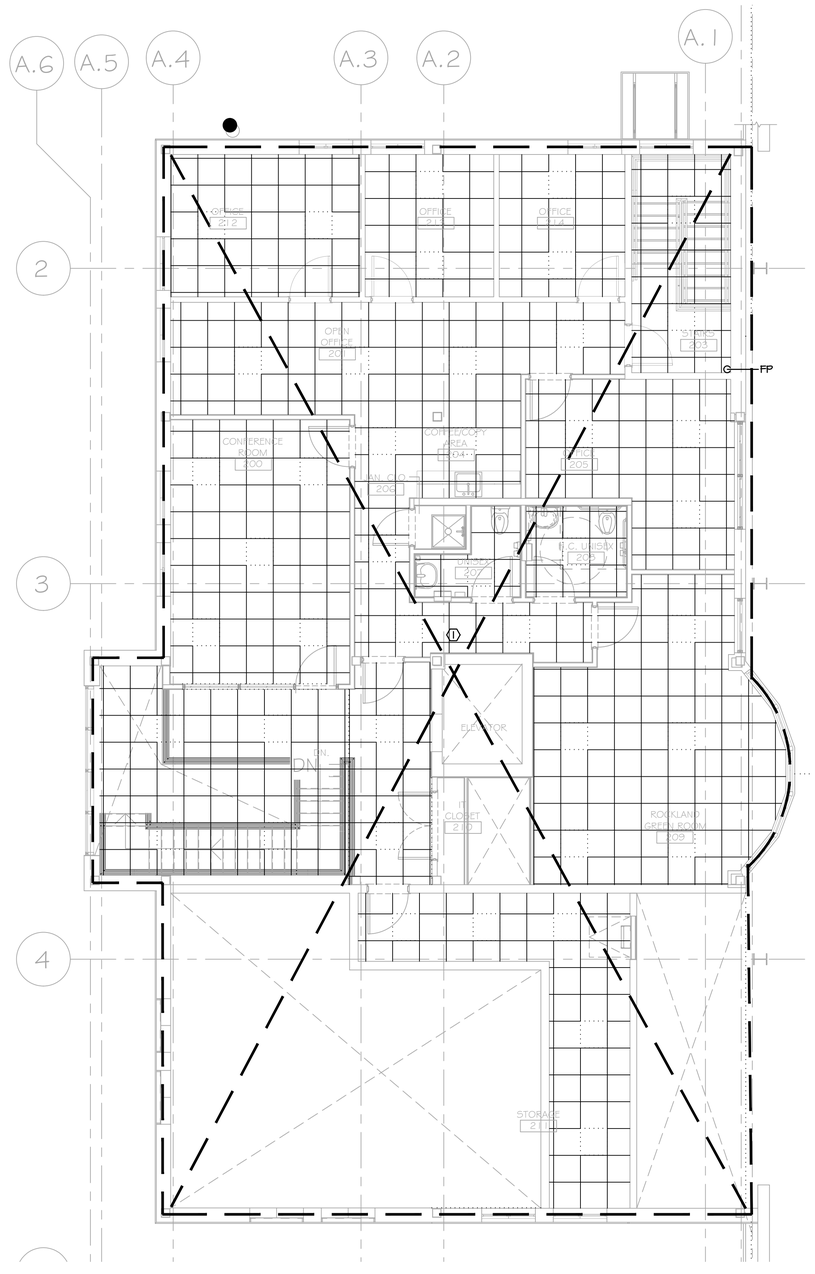
Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FIRST FLOOR PLAN
FIRE PROTECTION

	BY	DATE
DRAWN	RVS	7/30/21
CHECKED	RGL	7/30/21
DESIGNED	RVS	7/30/21
APPROVED	-	
APPROVED	-	

PROJ. No: 499-010
SCALE: NTS
DWG. NO: FP-101
C
CAD FILE: N:\2021\21033\MEP\21033 FP-101.DWG
SHEET SIZE: D-24x36
REV



1 FP-102-BP PARTIAL SECOND FLOOR PLAN - FIRE PROTECTION
SCALE: 3/16"=1'-0"

KEY NOTES:

1. REVISE FIRE PROTECTION THIS AREA FOR NEW FLOOR PLAN, WET SYSTEM.

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
ENGINEERING CONSULTANTS
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FACILITY IMPROVEMENTS
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PARTIAL SECOND FLOOR PLAN
FIRE PROTECTION

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STATE OF NEW YORK
RICHARD BRITTON GILLY
No. 083339
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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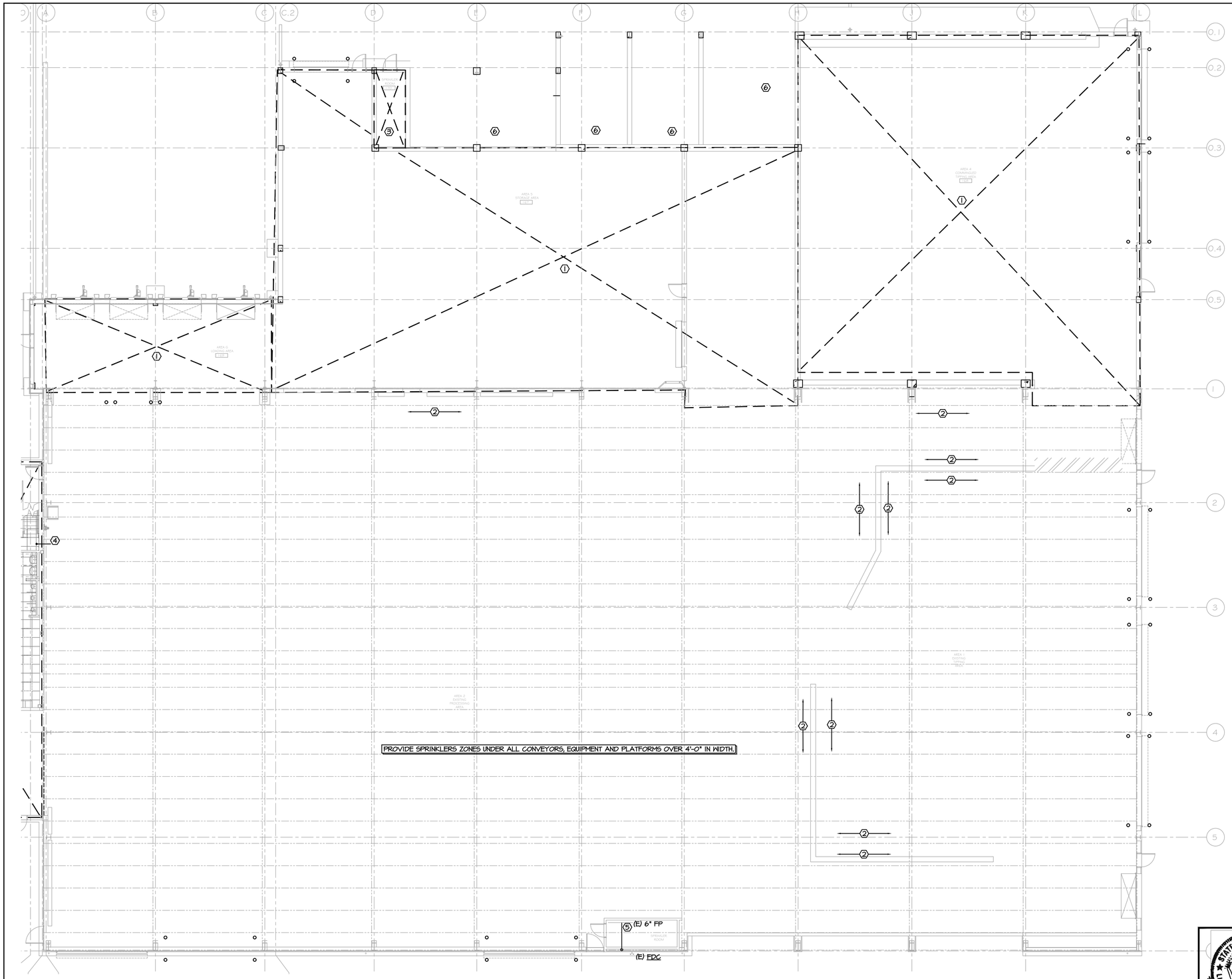
APPROVED	-	

PROJ. No: 499-010
SCALE: NTS
DWG. NO: FP-102
C
CAD FILE: N:\2021\21033\MEP\21033 FP-102.DWG
SHEET SIZE: D-24x36
REV



1 FP-103-BP PARTIAL FIRST FLOOR PLAN - FIRE PROTECTION
SCALE: 3/32"=1'-0"

KEY NOTES:

1. NEW DRY FIRE PROTECTION THIS AREA.
2. MODIFY ALONG WALL AS NEEDED.
3. NEW DRY FIRE SPRINKLER ROOM.
4. REVISE FP TO INSIDE STAIRWELL, CONNECT INTO EXISTING.
5. REVISE FP TO TIGHT TO WALL, CONNECT TO EXISTING HIGH.
6. SIDEWALL SPRINKLERS THIS AREA.

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
ENGINEERING CONSULTANTS
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420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FIRST FLOOR PLAN
FIRE PROTECTION

	BY	DATE
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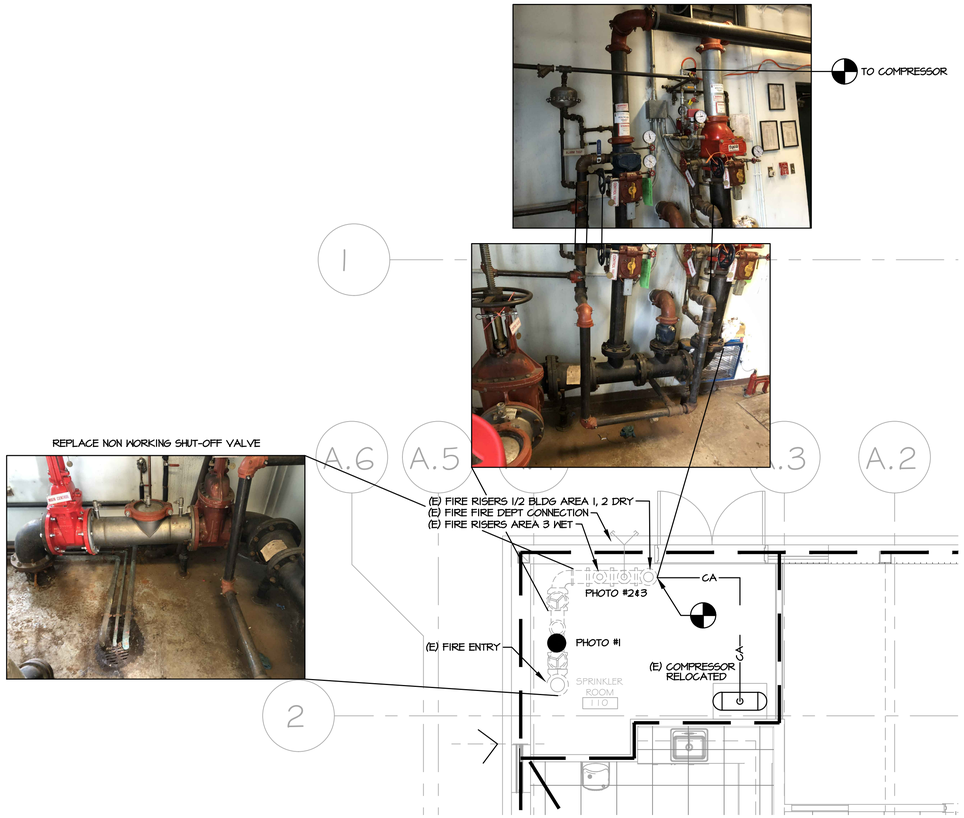
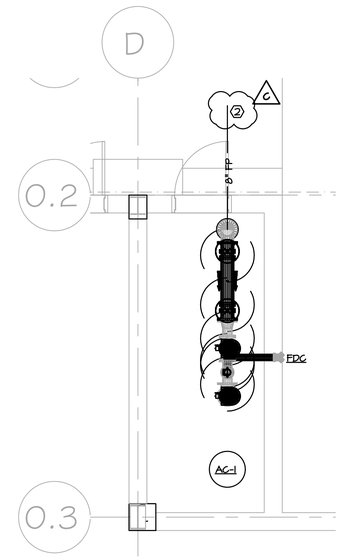
DWG. NO: FP-103
C
CAD FILE: N:\2021\21033-MERP\21033 FP-103.DWG
SHEET SIZE: D-24x36
REV



1 ENLARGED FIRE ENTRY ROOM - FIRE PROTECTION

FP-301-BP SCALE: 1/4"=1'-0"



2 ENLARGED NEW SPRINKLER ROOM - FIRE PROTECTION

FP-301- BP SCALE: 1/4"=1'-0"

AREAS 4-6

GENERAL NOTES:

A. WATER SUPPLY FLOW TEST
STATIC PRESSURE = 100 PSIG
RESIDUAL PRESSURE = 80 PSIG @ 1,353 GPM

B. AREA 3 (OFFICE) 1ST AND 2ND FLOORS MODIFICATION TO NEW FLOOR PLAN.
LIGHT HAZARD 0.10 GPM/FT^2

C. AREA 1 (TIPPING) ONLY MODIFICATION OF NORTH AND WEST WALLS.
ORDINARY HAZARD GROUP II 0.20 GPM/FT^2.
(OWNER REQUESTS TO INCREASE TO 0.30 GPM/FT^2)

D. AREA 2 (PROCESSING) ONLY MODIFICATION OF NORTH SIDE WITH NEW DRY FIRE SPRINKLER ROOM AND WALL MODIFICATIONS NORTH AND EAST.
ORDINARY HAZARD GROUP II 0.20 GPM/FT^2.
(OWNER REQUESTS TO INCREASE TO 0.30 GPM/FT^2)

E. AREA 4 (NEW TIPPING) = 6,575 FT^2 FED FROM NEW DRY SYSTEM IN NEW SPRINKLER ROOM.
EXTRA HAZARD GROUP II 0.40 GPM/FT^2

F. AREA 5 (NEW STORAGE) = 7,440 FT^2 FED FROM NEW DRY SYSTEM IN NEW SPRINKLER ROOM.
EXTRA HAZARD GROUP II 0.40 GPM/FT^2

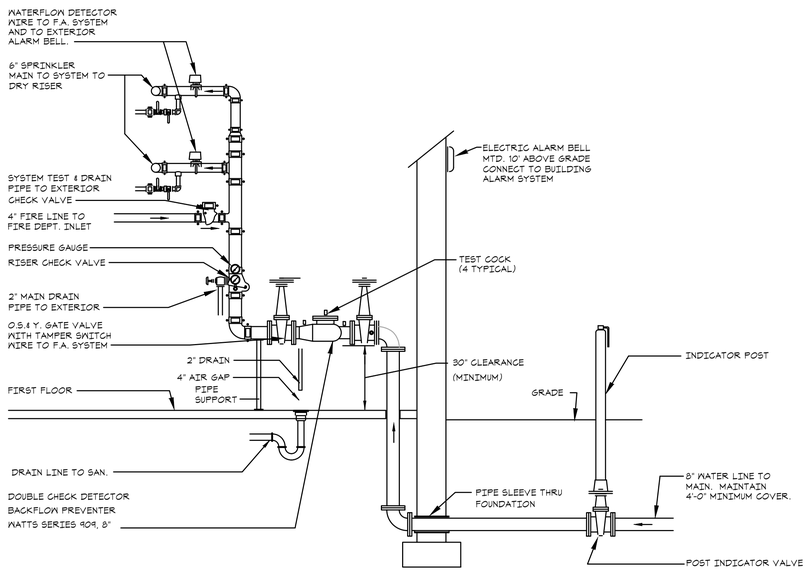
G. AREA 6 (LOADING DOCK) = 900 FT^2 FED FROM NEW DRY SYSTEM IN NEW SPRINKLER ROOM.
ORDINARY HAZARD GROUP II 0.20 GPM/FT^2.

KEY NOTES:

1. PROVIDE THRUST BLOCKS AT ALL 90° ELBOWS, TYPICAL.
2. CONTRACT #6 TO PROVIDE COLD WATER LINE TO 5'-0" OF THE BUILDING.

NOTES:

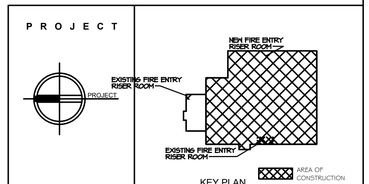
1. 12" MINIMUM CLEAR SPACE SHALL BE MAINTAINED ABOVE THE ASSEMBLY TO ALLOW FOR SERVICING CHECK VALVES AND FOR OPERATION OF SHUT-OFF VALVES.
2. A MINIMUM DISTANCE OF 30" OF CLEAR SPACE SHALL BE MAINTAINED BETWEEN THE FRONT SIDE OF THE DEVICE AND THE NEAREST WALL OR OBSTRUCTION.
3. IF THE DISTANCE BETWEEN THE WATER METER AND THE BACKFLOW DEVICE IS GREATER THAN 10', THE PIPING MUST BE LABELLED "DO NOT TAP" AT 5' INTERVALS.
4. STRAINERS ARE RECOMMENDED PRIOR TO EACH BACKFLOW DEVICE ON NON-FIRE FIGHTING LINES ONLY. NO STRAINER IS TO BE USED ON A FIRE LINE WITHOUT INSURANCE UNDERWRITERS APPROVAL.
5. ASSEMBLIES SHOULD BE SPECIFIED AND INSTALLED WITH MANUFACTURER SUPPLIED VALVES.
6. WATER LINES SHOULD BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF DEVICE TO PREVENT DEBRIS FOULING THE DEVICE CHECK VALVES.
7. DEVICES MUST BE MOUNTED HORIZONTALLY UNLESS APPROVED FOR VERTICAL INSTALLATION.
8. ASSEMBLIES SHOULD NOT BE INSTALLED IN AREAS CONTAINING CORROSIVE OR TOXIC GASES WHICH COULD RENDER THE DEVICE INOPERABLE.
9. DUE TO INHERENT DESIGN OF RPZ ASSEMBLIES, FLUCTUATING SUPPLY PRESSURE ON A LOW FLOW CONDITION MAY CAUSE NUISANCE DRIPPING. INSTALLATION OF A SOFT SEATED CHECK VALVE AHEAD OF THE RPZ WILL OFTEN HOLD PRESSURE CONSTANT DURING PERIODS OF LOW FLOW.
10. WHERE THE DISTANCE BETWEEN THE WATER METER AND DEVICE IS GREATER THAN 10 FEET, ALL EXPOSED PIPING SHOULD BE MARKED -"DO NOT TAP" AT 5 FOOT INTERVALS.
11. BOTH THE RPZA AND DCVA MUST BE TESTED INITIALLY AND ANNUALLY THEREAFTER BY A NYS CERTIFIED BACKFLOW PREVENTION DEVICE TESTER. COPIES OF ALL TESTING RESULTS ARE TO BE PROVIDED BOTH TO THE WATER SUPPLIER AND TO THE ORANGE COUNTY DEPARTMENT OF HEALTH.
12. SPACE IS FULLY LIT AND HEATED FOR SERVICING AND PREVENTION OF FREEZING.
13. PROVIDE 4" FIRE LINE WITH CHECK VALVE TO FIRE DEPARTMET INLET.
14. PROVIDE SYSTEM TEST AND DRAIN PIPE TO EXTERIOR.



3 FIRE SERVICE DETAIL

FP-301- BP SCALE: NTS

PROJECT



KEY PLAN

NORTH

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STATE OF NEW YORK — MICHAEL BRITTON BOLT — LICENSED PROFESSIONAL ENGINEER — NO. 083339

N.Y. P.E. LICENSE No. 083339

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ENLARGED FLOOR PLANS - FIRE PROTECTION

	BY	DATE		
DRAWN	RVS	7/30/21	PROJ. No: 499-010	SCALE: NTS
CHECKED	RGL	7/30/21	DWG. NO: FP-301	C
DESIGNED	RVS	7/30/21		
APPROVED	-		CAD FILE:	
APPROVED	-		SHEET SIZE: D-24x36	REV

ELECTRICAL LEGEND

LIGHTING AND CONTROLS

'X'	INDICATES FIXTURES TYPE
'X'	STRIP LIGHT
	WALL MOUNTED FIXTURE
	PENDANT MOUNTED FIXTURE
	SURFACE MOUNTED FIXTURE
	RECESSED FIXTURE
	FIXTURE ON NORMAL / EMERGENCY CIRCUIT
	RECESSED WALL WASHER
	FIXTURE ON EMERGENCY ONLY CIRCUIT
	SURFACE FLUORESCENT FIXTURE
	RECESSED FLUORESCENT FIXTURE
	FLUORESCENT FIXTURE ON NORMAL/EMERGENCY CIRCUIT
	TRACK LIGHTING
	EMERGENCY UNIT REMOTE HEAD
	EMERGENCY BATTERY UNIT , # OF HEADS AS INDICATED
	EXIT SIGN
	EXTERIOR POST MOUNT FIXTURE
	EXTERIOR LIGHTING BOLLARD
	EXTERIOR GROUND MOUNTED FIXTURE
PC	PHOTOCELL
TC	TIME CLOCK
S_M	MANUAL MOTOR START, WITH OVERLOADS
S	SINGLE POLE SWITCH
S_S	DUAL LEVEL SWITCHING
S_3	THREE WAY SWITCH
S_4	FOUR WAY SWITCH
S_D	WALL BOX DIMMER SWITCH
OS	CEILING MOUNTED OCCUPANCY SENSOR, 'W' INDICATES WALL MOUNT
S_O	WALL BOX OCCUPANCY SENSOR (SINGLE RELAY)
S_{O2}	WALL BOX OCCUPANCY SENSOR (DUAL RELAY)
S_K	KEY OPERATED SWITCH
S_P	SWITCH WITH PILOT LIGHT
S_T	SWITCH WITH TIMER

FIRE ALARM/RESCUE ASSISTANCE

FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR PANEL
F	FIRE ALARM HORN/STROBE
F	FIRE ALARM STROBE
F C	FIRE ALARM STROBE (CEILING)
F	FIRE ALARM SPEAKER/STROBE
F C	FIRE ALARM SPEAKER, STROBE, CHIME
F	FIRE ALARM HORN
F	FIRE ALARM SPEAKER ONLY
F	FIRE ALARM PULL STATION
S	SMOKE DETECTOR
S_{CO}	SMOKE DETECTOR WITH CO DETECTION
S_D	DUCT DETECTOR
H	HEAT DETECTOR 'RR' INDICATES RATE OF RISE
H_{CO}	HEAT DETECTOR WITH CO DETECTION
S_E	SMOKE DETECTOR WITH ELEVATOR RECALL ON AUXILIARY CONTACTS
SD	SMOKE DAMPER
RAL	REMOTE ALARM LAMP
DH	DOOR HOLDER
IAM	INDIVIDUAL ADDRESSABLE MODULE
ZAM	ZONE ADAPTER MODULE
EOL	END OF LINE RESISTOR
TS	TAMPER SWITCH
FS	FLOW SWITCH
PS	PRESSURE SWITCH
RACP	RESCUE ASSIST CONTROL PANEL
RA	RESCUE ASSIST STATION
RA	RESCUE ASSIST SIGN

POWER

	BLANK OUTLET
	GROMMETED OUTLET
J	JUNCTION BOX
EX	EXHAUST FAN
	MOTOR
	NON FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MOTOR STARTER
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH
	CONTACTOR
ATS	AUTOMATIC TRANSFER SWITCH
	PANELBOARD
	NORMAL/EMERGENCY PANEL BOARD
ATC	AUTOMATIC TEMP. CONTROL PANEL WITH TELEPHONE/DATA BY ELECTRICAL CONTRACTOR
	ELECTRIC SERVICE METER
APP	AREA PROTECTION PANEL
T	TRANSFORMER
	THREE POSITION SWITCH
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE 'H' INDICATES HORIZONTAL MOUNTING
	DUPLEX RECEPTACLE TOP HALF SWITCHED
	DUPLEX RECEPTACLE WITH GROUND FAULT
	DUPLEX RECEPTACLE ON NORMAL/EMERGENCY CIRCUIT
TVSS	DUPLEX RECEPTACLE WITH TRANSIENT VOLTAGE SURGE SUPPRESSION
TV	DUPLEX RECEPTACLE AT 6'-8" A.F.F. FOR TELEVISION
T	TAMPER RESISTANT DUPLEX RECEPTACLE
	QUAD RECEPTACLE (DOUBLE DUPLEX)
	SPECIAL POWER OUTLET
TL	TWIST LOCK RECEPTACLE
IG	DUPLEX RECEPTACLE WITH ISOLATED GROUND
E	DUPLEX RECEPTACLE ON EMERGENCY WITH GROUND FAULT
SC	SURFACE RACEWAY 'SC' SINGLE CHANNEL, 'DC' DOUBLE CHANNEL, 'TC' THREE CHANNEL
PP	POWER POLE
	CIRCUIT BREAKER
CT	CABLE TRAY
	ELECTRIC BASEBOARD
E	MUSHROOM HEAD EMERGENCY OFF SWITCH
	PUSH BUTTON
SV	SOLENOID VALVE
P	PULL BOX, SIZE AS REQUIRED BY NEC
CB	ENCLOSED CIRCUIT BREAKER
FB 1	FLOOR BOX, NUMBER INDICATES TYPE

SECURITY

	CLOSED CIRCUIT TV CAMERA
KP	KEYPAD
DC	DOOR CONTACT
SEC	SECURITY SYSTEM CONTROL PANEL
M	CLOSED CIRCUIT TV MONITOR
CAS	CARD ACCESS SYSTEM CONTROL PANEL
PIR	PASSIVE INFRARED MOTION SENSOR
EC	EMERGENCY CALL BUTTON
DR	DOOR RELEASE
CR	CARD READER
ES	ELECTRIC STRIKE
B	DOOR BELL
GB	GLASS BREAK SENSOR

NOTE : THIS IS A GENERAL ELECTRICAL LEGEND ALL SYMBOLS MAY NOT APPEAR ON THE PLANS. SEE PLANS FOR ACTUAL SYMBOLS USED.

MISCELLANEOUS

OA SA	UNIT VENTILATOR
	ELECTRIC RESISTANCE HEAT
	UNIT HEATER
	VAV BOX
VFD	VARIABLE FREQUENCY DRIVE
M	MOTORIZED LOUVER
T	THERMOSTAT
MH	MAN HOLE
HH	HAND HOLE
T	PAD MOUNTED TRANSFORMER
WH	WATER HEATER
	UTILITY POLE
F S	EQUIPMENT TAG

COMMUNICATIONS

	DATA OUTLET AT 18" AFF
	DATA/TEL. OUTLET IN FLUSH FLOOR BOX
W	WALL VOICE OUTLET
	VOICE OUTLET AT 18" AFF
	VOICE/DATA OUTLET AT 18" AFF
S	CEILING SPEAKER
VC	VOLUME CONTROL
M	MICROPHONE OUTLET 'H' INDICATES HANGING
C S	CLOCK/SPEAKER
C	CLOCK 'W' INDICATES WIRE GUARD
IC	INTERCOM STATION
S	INTERCOM STATION WALL MOUNT SPEAKER, 'WP' INDICATES WEATHER PROOF
A	AUDIO SYSTEM CONTROL JACK
TV	TELEVISION OUTLET AT 18" A.F.F.
TV HL	TELEVISION OUTLET HIGH / LOW LOCATIONS
TV H	TELEVISION OUTLET HIGH LOCATION
D	DIMMING SYSTEM CONTROL JACK
	3/4" PAINTED PLYWOOD BACKBOARD

WIRING

	DUAL LEVEL SWITCHING
	HOME RUN
E	EMERGENCY WIRING
NE	NORMAL/EMERGENCY WIRING
CNE	CRITICAL/NORMAL/EMERGENCY WIRING
	CONDUIT RUN CONCEALED IN WALL OR CEILING, U.O.N.
U/G	UNDERGROUND UTILITIES
	EXTERIOR BELOW GRADE CONDUIT
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT STUB TERMINATE WITH BUSHING OR CAP
	GROUND

ABBREVIATIONS

ACC	AIR COOLED CHILLER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AH	AIR HANDLER
B	BOILER
C	CONDUIT
CH	CABINET HEATER
CIR	CIRCUIT
CU	CONDENSING UNIT
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ER	RELOCATE EXISTING DEVICE
ETR	EXISTING DEVICE TO REMAIN
EWH	ELECTRIC WALL HEATER
FC	FAN COIL
G, GRD	GROUND
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSE POWER
MC	MECHANICAL CONTRACTOR
MTD	MOUNTED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
O/H	OVER HEAD
P	ELECTRIC PUMP
PC	PLUMBING CONTRACTOR
PNL	PANEL
R	REMOVE EXISTING DEVICE
RP	REMOVE & REPLACE EXISTING DEVICE
RTU	ROOF TOP UNIT
U/G	UNDERGROUND
UH	UNIT HEATER
U.O.N.	UNLESS OTHERWISE NOTED
UV	UNIT VENTILATOR
VAV	VARIABLE AIR VOLUME
VIF	VERIFY IN FIELD
WH	WALL HEATER
WP	WEATHERPROOF
*	DEVICE MOUNTED ABOVE COUNTER

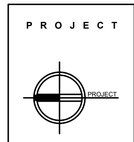
GENERAL NOTES:

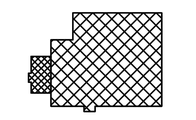
1. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE, ALL NFPA CODES, THE RULES SET FORTH BY THE OWNER AND ALL OTHER NATIONAL, STATE OR MUNICIPAL CODES APPLICABLE TO THE PROJECT.
2. ALL WORK FURNISHED UNDER THE CONTRACT SHALL BE GUARANTEED AGAINST ANY AND ALL DEFECTS IN WORKMANSHIP AND/OR MATERIALS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION. ANY DEFECTS OF WORKMANSHIP DEVELOPING DURING THIS PERIOD SHALL BE REMEDIED AND ANY DEFECTIVE MATERIAL REPLACED WITHOUT ADDITIONAL COST.
3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND APPROVALS NECESSARY FOR THE COMPLETION OF THIS PROJECT.
4. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT WITH THE EQUIPMENT OF OTHER TRADES AND BUILDING CONSTRUCTION.
5. WHERE APPLICABLE (RENOVATION PROJECTS), REMOVE AND REINSTALL ALL EXISTING DEVICES WITHIN AREAS OF WORK AS NECESSARY TO ACCOMMODATE NEW FINISHES. PROVIDE BOX EXTENSIONS / RELOCATIONS AS REQUIRED. COORDINATE FINISHES WITH ARCHITECTURAL PLANS. VERIFY QUANTITY OF DEVICES IN FIELD.
6. THE ELECTRICAL CONTRACTOR SHALL RUN SEPARATE NEUTRAL CONDUCTORS FOR EACH CIRCUIT. SHARED NEUTRALS ARE NOT ACCEPTABLE.
7. ALL NEW DEVICES/CONDUIT/WIRING SHALL BE CONCEALED IN WALLS IN FINISHED AREAS.
8. ALL PANELBOARD DIRECTORIES AFFECTED BY THE PROJECT SCOPE SHALL BE UPDATED UPON COMPLETION OF PROJECT.
9. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL RECEPTACLE PLATES WITH PANEL AND CIRCUIT NUMBERS ON THE BACK OF PLATE. IF OWNER REQUESTS LABEL TO BE ON FRONT OF PLATE, CLEAR LABEL WITH TYPED BLACK LETTERS SHALL BE USED.
10. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CUTTING AND PATCHING WITH THE GENERAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CUTTING AND PATCHING THAT IS A RESULT OF ELECTRICAL WORK. ALL FINISHES, MATERIALS, COLORS, ETC. SHALL BE APPROVED BY THE OWNER.
11. THE ELECTRICAL CONTRACTOR SHALL EXAMINE THE CONTRACT DRAWINGS INVOLVING GENERAL CONSTRUCTION AND THE MECHANICAL TRADES FOR THE DETAILS AFFECTING THE PERFORMANCE OF THE ELECTRICAL CONTRACT.
12. RACEWAYS, BOXES, LIGHTING FIXTURES, ETC. ABOVE/WITHIN SUSPENDED CEILINGS SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE, INDEPENDENT OF THE CEILING SYSTEM, DUCTS, PIPING OR OTHER WORK. SEE LIGHTING FIXTURE SCHEDULE NOTES FOR ADDITIONAL INFORMATION ON SUPPORT REQUIREMENTS.
13. ALL ELECTRICAL WORK SHALL BE INSTALLED PER THE CONTRACT DOCUMENTS AND WRITTEN MANUFACTURER'S INSTRUCTION.
14. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL ELECTRICAL EQUIPMENT RELATED TO THE PROJECT.
15. ELECTRICAL CONTRACTOR SHALL REFER TO ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR EXTENT OF ARCHITECTURAL WORK AND SHALL COORDINATE ELECTRICAL DEMOLITION AND NEW WORK WITH CONSTRUCTION PHASING.
16. THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN A NEAT AND WORKMANLIKE MANNER PER THE NATIONAL ELECTRICAL CODE. THE ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO ADHERE TO MOST CURRENT NEIS STANDARD NECA 1 "STANDARD FOR GOOD WORKMANSHIP IN ELECTRICAL CONTRACTING" PUBLISHED BY THE NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA).
17. ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE THE INSTALLATION OF NEW CONDUITS WITH ANY EXISTING PIPING, CONDUITS, PULLBOXES AND EQUIPMENT. INSTALL ALL NEW ELECTRICAL EQUIPMENT WITHOUT CONFLICTS OR OBSTRUCTION OF ACCESSIBILITY TO NEW OR EXISTING EQUIPMENT OR PIPING.
18. INTERRUPTIONS OF AN ESTABLISHED POWER SUPPLY SHALL BE CONDUCTED ONLY WHEN AUTHORIZED IN WRITING BY THE OWNER. CONTRACTOR SHALL NOTIFY OWNER FIVE (5) DAYS IN ADVANCE FOR A SERVICE INTERRUPTION AND SHALL STATE THE ESTIMATED TIME INVOLVED DURING WHICH THE POWER SUPPLY WILL BE INTERRUPTED. POWER SUPPLY INTERRUPTIONS SHALL BE COORDINATED WITH OTHER TRADES SO THERE WILL BE A MINIMUM OF INCONVENIENCE TO THESE TRADES.
19. THE ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE ALL UNDERGROUND ELECTRICAL WORK WITH THE GENERAL CONTRACTOR, SITE CONTRACTOR AND OWNER.
20. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR ALL CEILING MOUNTED DEVICES.
21. PROVIDE TEMPORARY LIGHTING AND POWER DURING CONSTRUCTION AS REQUIRED FOR THE PROPER EXECUTION OF THE WORK. TEMPORARY LIGHTING AND POWER SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF THE NATIONAL ELECTRICAL CODE, OSHA REGULATIONS, AND THE REQUIREMENTS OF ANY OTHER AGENCY HAVING JURISDICTION.
22. THE ELECTRICAL CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK. HE SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER FOR CORRECTION PRIOR TO BEGINNING ANY WORK. DISCOVERY OF ANY DISCREPANCIES AFTER THE WORK HAS COMMENCED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
23. DO NOT SCALE THESE DRAWINGS. FOR EXACT DIMENSIONS, VERIFY ALL FIGURES, CONDITIONS, DIMENSIONS, ETC. AT THE JOB SITE.
24. NO CONDUITS, WIRING, DEVICES, EQUIPMENT, ETC. SHALL PASS THROUGH OR BE LOCATED WITHIN ELEVATOR SHAFTS, MACHINE ROOMS, I. T. CLOSETS, OR ELECTRICAL ROOMS UNLESS IT SPECIFICALLY SERVES THAT SPACE.
26. PROVIDE EQUIPMENT SETUP, FINAL TESTING, ADJUSTMENTS, TRAINING, AND REPORTS ON NEW EQUIPMENT.
27. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL EQUIPMENT, CIRCUITRY AND DEVICES REQUIRED TO CONNECT MECHANICAL/PLUMBING/FIRE PROTECTION EQUIPMENT.
28. TEMPORARILY REMOVE AND REINSTALL CEILING TILES AS REQUIRED. REPLACE DAMAGED TILES.
29. THE OWNER RESERVES THE RIGHT TO DESIGNATE THE ORDER IN WHICH THE CONTRACTOR SHALL PROCEED WITH ANY AND ALL PORTIONS OF THE WORK. WORK SHALL BE COORDINATED SO AS NOT TO INTERFERE WITH THE BUSINESS OF THE OWNER. NO ADDITIONAL WORK SHALL BE STARTED WITHOUT THE APPROVAL OF THE OWNER'S FACILITIES DEPARTMENT.
30. ALL NOISE, DIRT AND DUST SHALL BE KEPT AT AN ABSOLUTE MINIMUM. ALL AREAS SHALL BE LEFT BROOM CLEAN AT THE END OF EACH DAY'S OPERATIONS. THE ELECTRICAL CONTRACTOR SHALL KEEP THE BUILDING FREE FROM RUBBISH AND DIRT. NO RUBBISH OR MATERIALS SHALL BE ALLOWED TO ACCUMULATE IN THE BUILDING ON THE PROPERTY, OR ON THE STREET OR SIDEWALK.
31. THE ELECTRICAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF THE EMPLOYEES ON THE WORK SITE AND SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE FEDERAL, STATE OR MUNICIPAL SAFETY LAWS TO PREVENT ACCIDENTS OR INJURY ON OR ABOUT THE PROPERTY.
32. ALL PERSONS EMPLOYED ON OR VISITING THE SITE OF THE WORK WILL BE REQUIRED TO OBSERVE THE OWNER'S SECURITY REGULATIONS.
33. COORDINATE ALL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL DRAWINGS. REFER TO DRAWINGS AND SHOP DRAWINGS OF ALL OTHER TRADES, FOR FINAL/EXACT LOCATIONS OF SERVICES FOR EQUIPMENT NOT FURNISHED UNDER THIS CONTRACT.
34. ALL DUCT AND UNIT MOUNTED SMOKE DETECTORS FOR MECHANICAL EQUIPMENT AND DAMPERS SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR, WIRED TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR, WITH UNIT SHUT DOWN CONTROL WIRING BY MECHANICAL CONTRACTOR.
35. WHERE CONDUIT, CABLES, DUCTWORK OR PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, THE PENETRATION SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS U.L. LISTED AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT AS BEING SUITABLE FOR THIS SERVICE. THIS MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER TO MAINTAIN THE U.L. LISTED FIRE RATING OF THE PENETRATED WALL OR FLOOR.
36. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SLAB OPENINGS, WALL OPENINGS, BEAM PENETRATIONS AND CORING AS IT RELATES TO HIS WORK. CONTRACTOR SHALL SUBMIT SIZE AND LOCATION TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL.
37. SUBMIT CATALOG INFORMATION, FACTORY ASSEMBLY DRAWINGS AND FIELD INSTALLATION DRAWINGS AS REQUIRED FOR A COMPLETE EXPLANATION AND DESCRIPTION OF ALL ITEMS TO BE PROVIDED. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS. NO SUBMISSION WILL BE ACCEPTED WITHOUT THE SIGNED APPROVAL OF THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD MEASUREMENTS.
38. FURNISH ACCESS DOORS AS REQUIRED FOR OPERATION AND MAINTENANCE OF CONCEALED EQUIPMENT. WHERE POSSIBLE, ALL SUCH ITEMS SHALL BE LOCATED ABOVE ACCESSIBLE CEILINGS.

Fire Alarm Drawing Schedule

FA-001	LEGEND, NOTES AND DRAWING SCHEDULE
FA-101	PARTIAL FLOOR PLANS - DEMOLITION
FA-102	PARTIAL FLOOR PLAN - DEMOLITION
FA-401	PARTIAL FLOOR PLANS - FIRE ALARM
FA-402	PARTIAL FIRST FLOOR PLAN - FIRE ALARM
FA-501	DETAILS AND RISERS

PROJECT





KEY PLAN

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ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

LEGEND, NOTES AND DRAWING SCHEDULE

STATE OF NEW YORK · MICHAEL BRITTON BALL · 083339 · LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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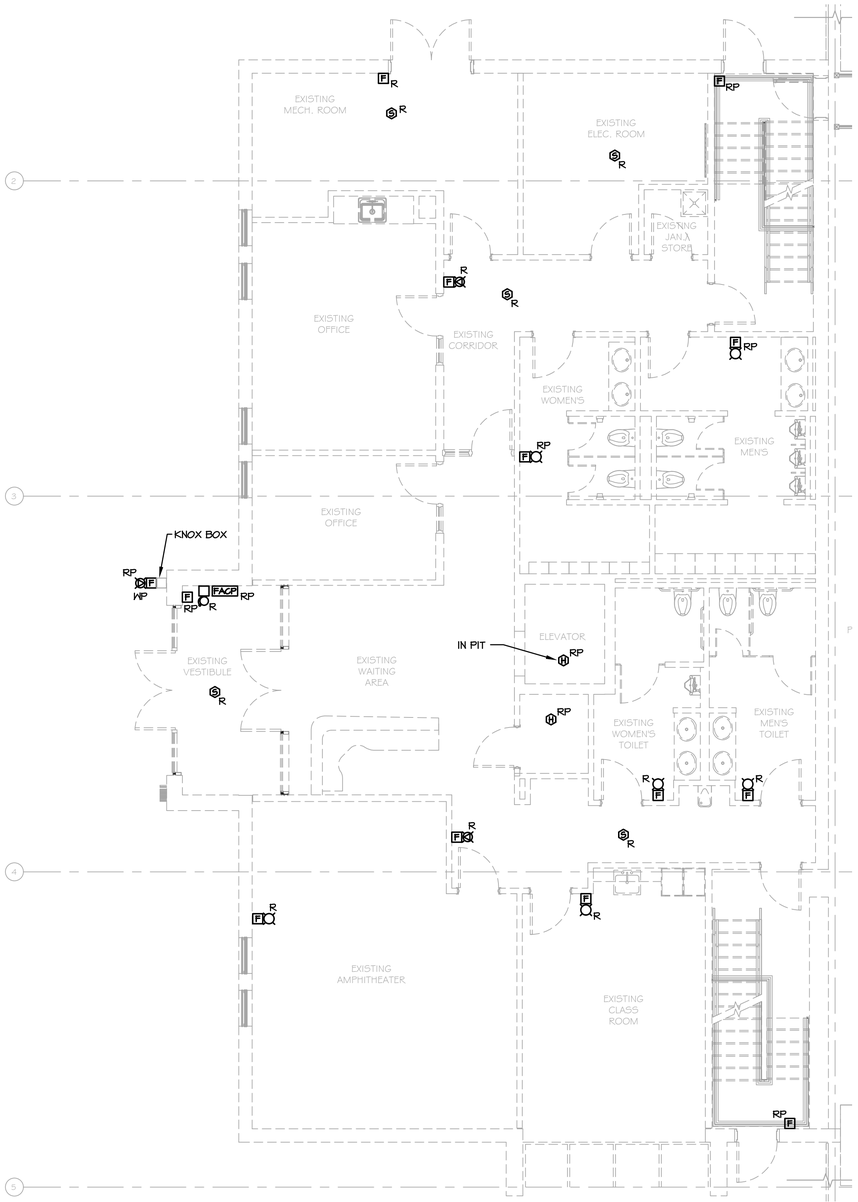
	BY	DATE
DRAWN	RER	7/30/21
CHECKED	RER	7/30/21
DESIGNED	RER	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010 SCALE:

DWG. NO: FA-001 C

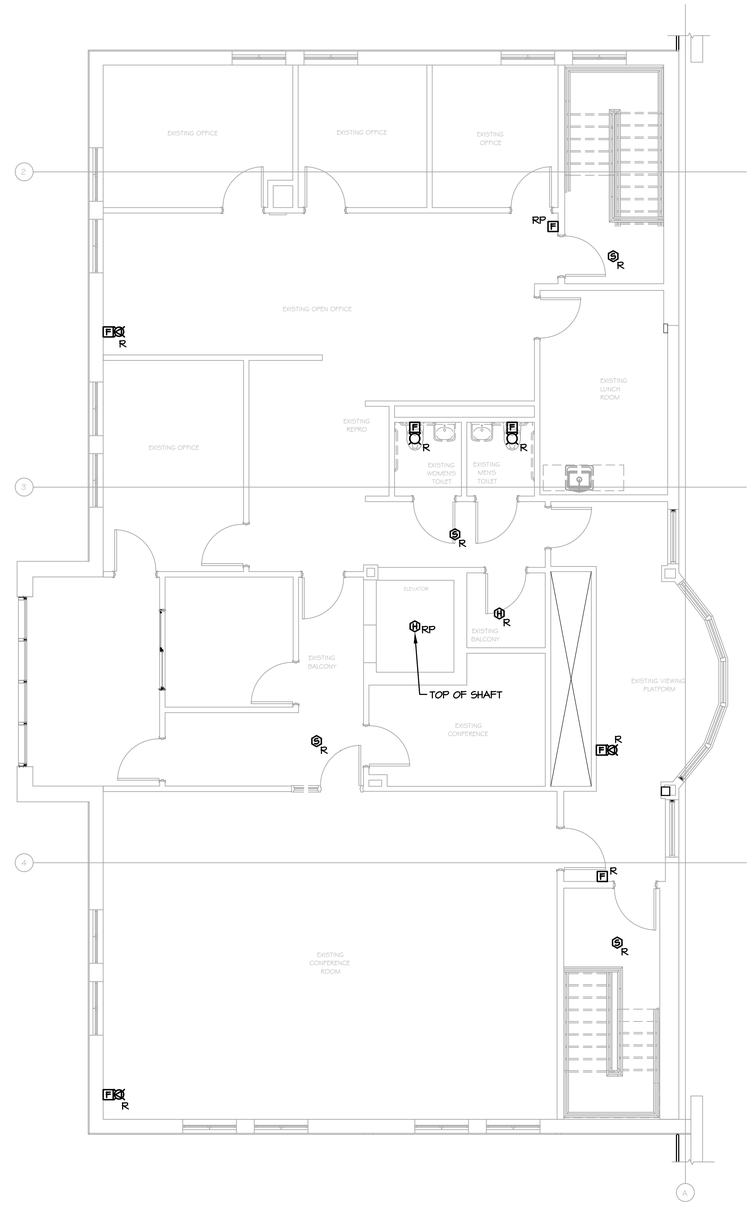
CAD FILE: N:\2021\21033\MEP\21033 FA-001.DWG

SHEET SIZE: D-24x36 REV



1 FA-101 PARTIAL FIRST FLOOR PLAN - DEMOLITION

SCALE: 3/16"=1'-0"



2 FA-101 PARTIAL SECOND FLOOR PLAN - DEMOLITION

SCALE: 3/16"=1'-0"

NOTES:

1. REFER TO ARCHITECTURAL PLANS FOR AREAS AND PHASING OF WORK.
2. ELECTRICAL EQUIPMENT AND MATERIALS SHOWN ON DEMOLITION DRAWINGS ARE TO REMAIN UNLESS NOTED OTHERWISE.
3. ELECTRICAL EQUIPMENT AND MATERIALS INDICATED ON DEMOLITION DRAWING AS "REMOVE EXISTING DEVICE (R)" SHALL BE REMOVED AS WORK OF THIS DIVISION UNLESS NOTED OTHERWISE. ITEMS OF VALUE AS DETERMINED BY OWNER SHALL BE STORED ON SITE WHERE DIRECTED BY OWNER. EQUIPMENT AND MATERIAL THAT OWNER DOES NOT WISH TO RETAIN SHALL BE DISCARDED OFF SITE. DO NOT REMOVE ANY EQUIPMENT AND MATERIALS FROM SITE WITHOUT OWNER'S APPROVAL.
4. ELECTRICAL EQUIPMENT AND MATERIALS INDICATED ON DRAWINGS AS "RELOCATE EXISTING DEVICE (ER)" SHALL BE REMOVED, RELOCATED, REINSTALLED AND RECONNECTED UNLESS OTHERWISE NOTED ON THE DRAWINGS. BEFORE REINSTALLATION, EQUIPMENT AND MATERIALS SHALL BE CLEANED AND NICKS AND SCRATCHES SHALL BE TOUCHED UP.
5. ELECTRICAL DEVICES INDICATED ON DRAWINGS AS "REMOVE AND REPLACE (RP)" SHALL BE REMOVED AND REPLACED WITH NEW DEVICES. OUTLET BOXES AND BRANCH CIRCUITS SHALL REMAIN AND BE REUSED.
6. REMOVE ALL ELECTRICAL ITEMS LOCATED ALONG DASHED WALLS (IF INDICATED) WITHIN THE PROJECT AREA. VERIFY ALL QUANTITIES OF DEVICES TO BE DEMOLISHED AND THE EXTENT OF DEMOLITION WORK AT THE SITE PRIOR TO BID DATE.
7. DEVICES IN WALLS AND CEILINGS THAT ARE EXISTING TO REMAIN IN AREAS WHICH ARE COSMETICALLY UPGRADED, SHALL BE TEMPORARILY DISCONNECTED AND REMOVED TO ALLOW FOR INSTALLATION OF NEW CEILING GRIDS, NEW WALL SURFACE PREPARATIONS, PAINTING, ETC. REINSTALL ALL DEVICES IN SIMILAR LOCATIONS AFTER WORK IS COMPLETED. PROVIDE BOX EXTENSIONS/RELOCATIONS AS REQUIRED. COORDINATE WITH ARCHITECTURAL PLANS FOR EXTENT OF NEW FINISHES IN EACH AREA. VERIFY ALL QUANTITIES OF DEVICES AND THE EXTENT OF ALL SUCH WORK AT THE SITE PRIOR TO BID DATE.
8. CONDUIT REMAINING IN PLACE MAY BE REUSED, PROVIDED CONDUIT IS THOROUGHLY CLEANED BEFORE NEW WIRE IS INSTALLED. CONDUIT REMAINING IN PLACE, AND TO BE REUSED, SHALL RUN IN SAME DIRECTION THAT NEW CONDUIT AND WIRE WOULD RUN, IF NEW WIRE AND CONDUIT WERE INSTALLED. REMOVED CONDUIT AND WIRE SHALL NOT BE REUSED.
9. COORDINATE DEMOLITION WITH OTHER TRADES.
10. PROVIDE BLANK COVERS ON ALL ABANDONED RECESSED ELECTRICAL BOXES. COVER MATERIAL/FINISH/COLOR TO MATCH NEW DEVICES.
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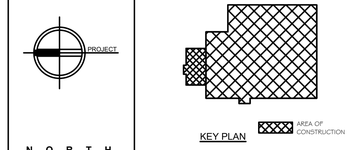
PROJECT



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STATE OF NEW YORK
MICHAEL BRITTON BOLT
No. 083339
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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Rockland Green
ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FLOOR PLANS - DEMOLITION

	BY	DATE
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APPROVED		

PROJ. No: 499-010
SCALE:
DWG. NO: FA-101
C
CAD FILE: N:\2021\21033\MEP\21033 FA-101.DWG
SHEET SIZE: D-24x36
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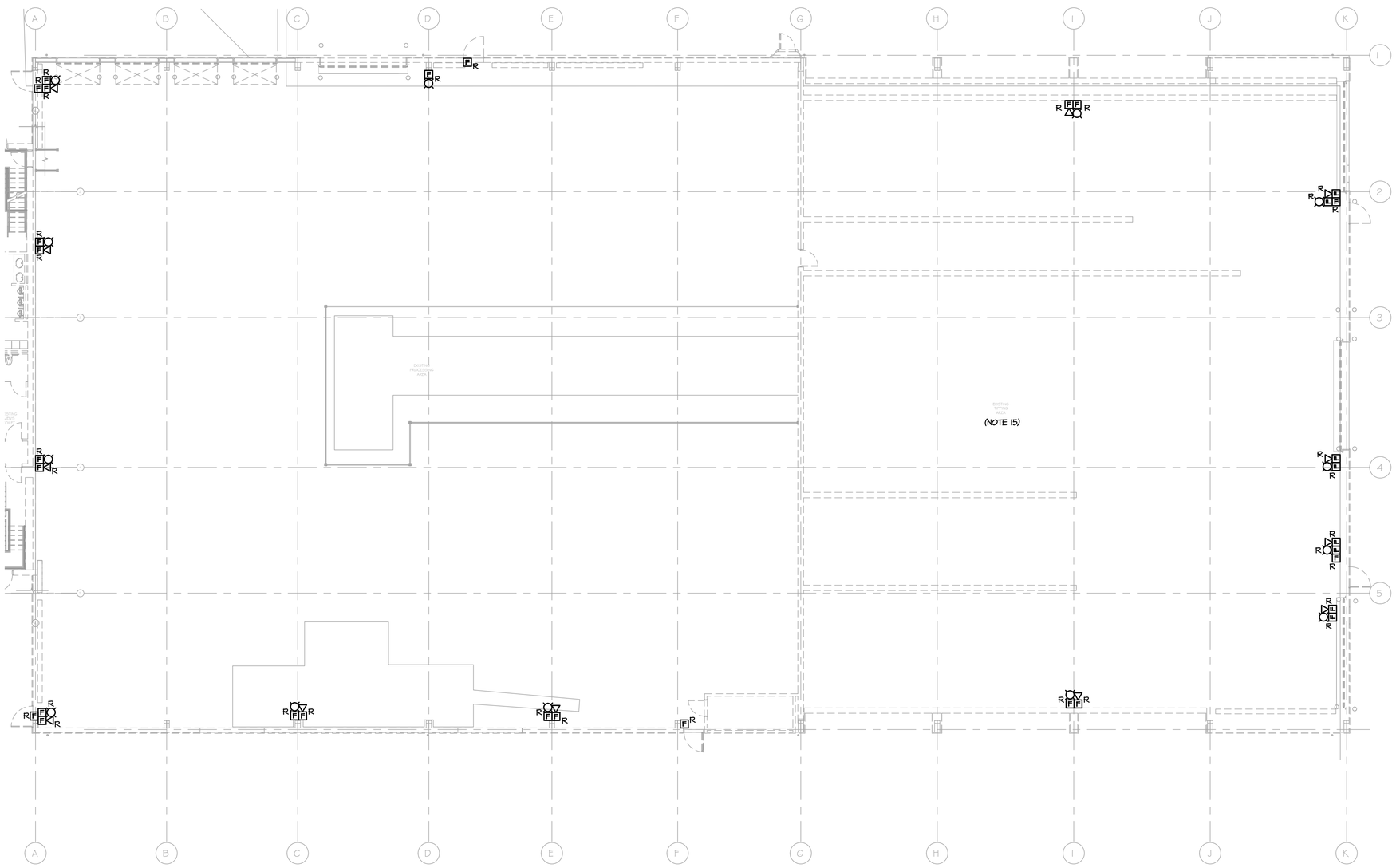

1
FA-102

PARTIAL FIRST FLOOR PLAN - DEMOLITION

SCALE: 3/32"=1'-0"

NOTES:

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19. FIELD VERIFY ELECTRICAL EQUIPMENT TO BE REMOVED IN EXISTING TIPPING AREA.

PROJECT

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

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STATE OF NEW YORK
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Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FIRST FLOOR PLAN - DEMOLITION

	BY	DATE
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DESIGNED	RER	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010

SCALE:

DWG. NO: FA-102

C

CAD FILE: N:\2021\21033\MEP\21033 FA-102.DWG

SHEET SIZE: D-24x36

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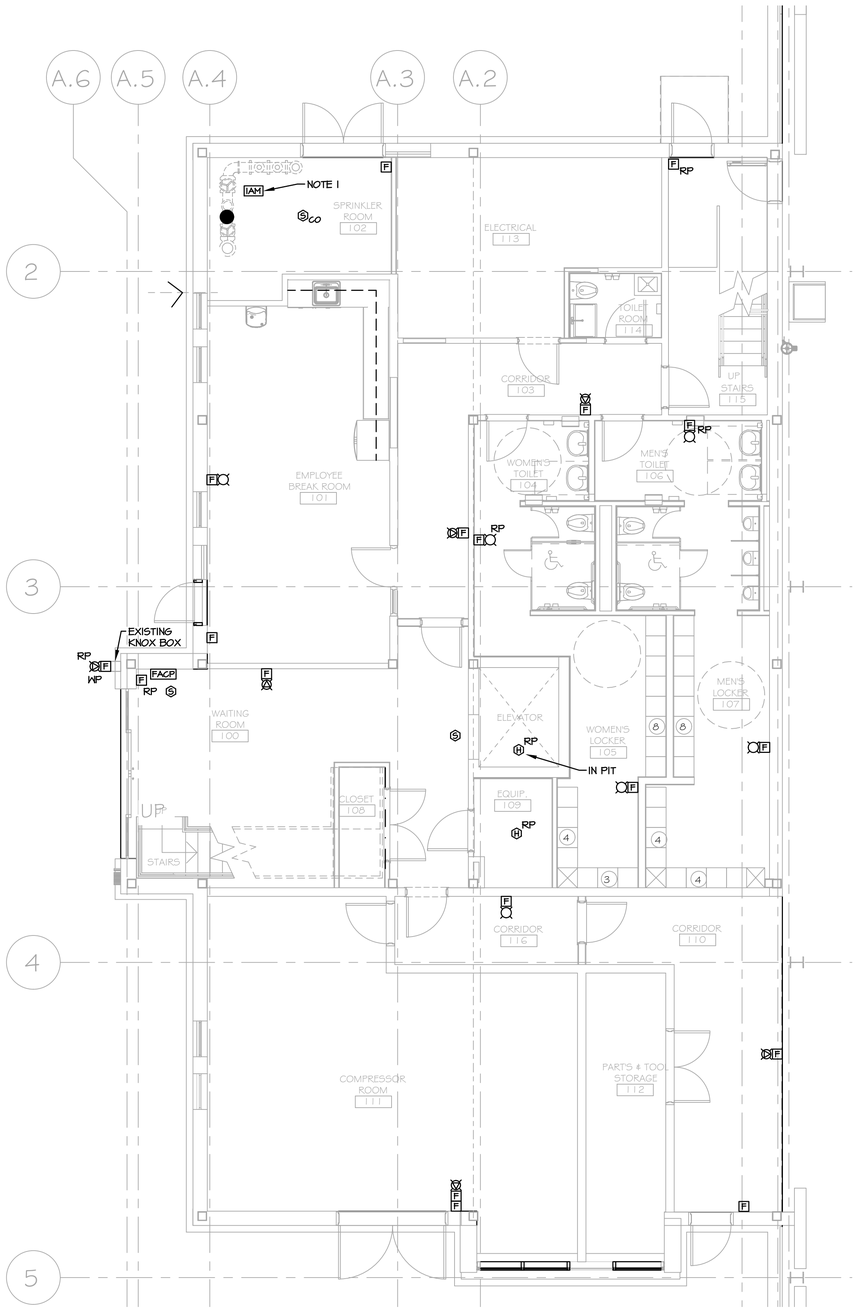
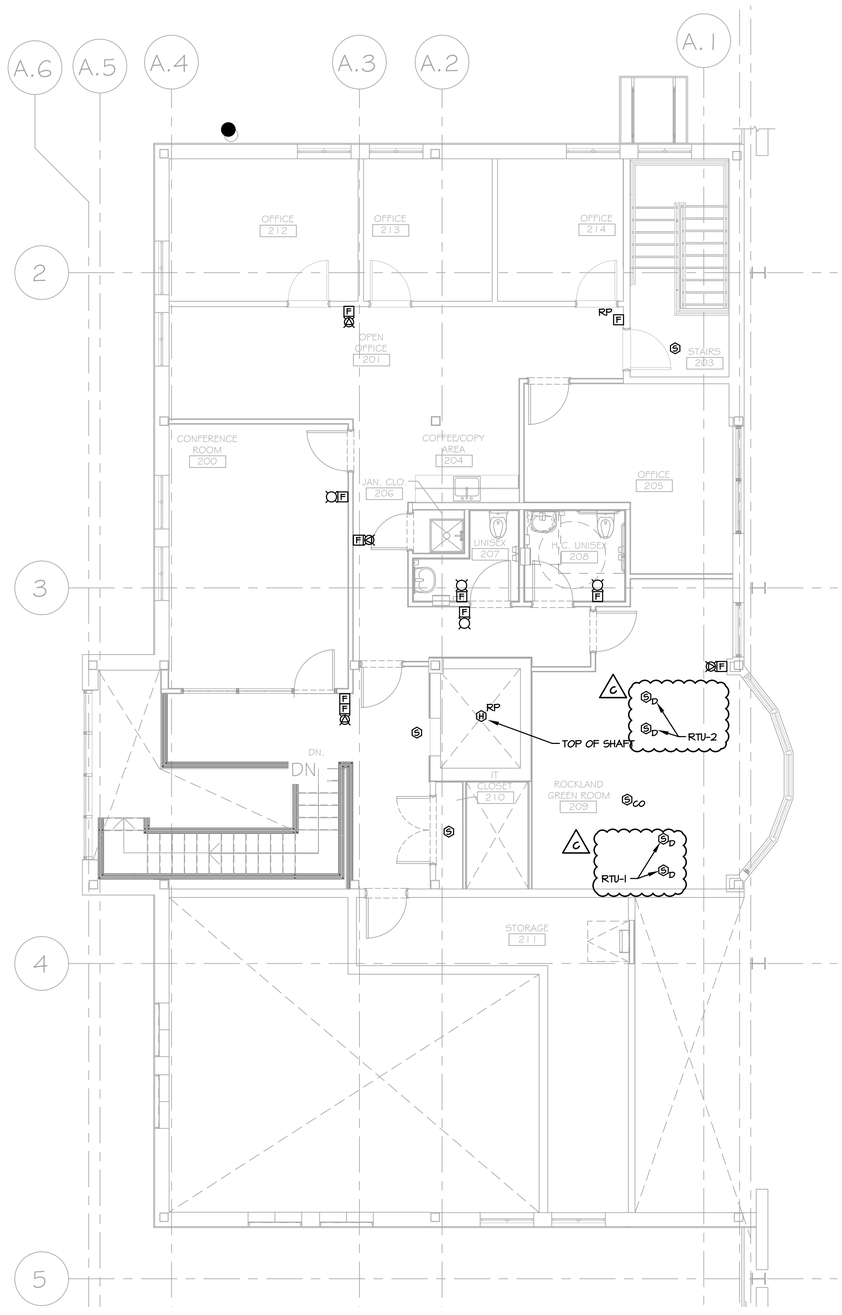
NOTE:

1. PROVIDE INDIVIDUAL ADDRESSABLE MODULES FOR SPRINKLER SYSTEM INTERFACE. COORDINATE QUANTITIES REQUIRED WITH FIRE PROTECTION CONTRACTOR.



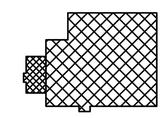
1 FA-401 PARTIAL FIRST FLOOR PLAN - FIRE ALARM
SCALE: 3/16"=1'-0"



2 FA-401 PARTIAL SECOND FLOOR PLAN - FIRE ALARM
SCALE: 3/16"=1'-0"

PROJECT

NORTH



KEY PLAN

AREA OF CONSTRUCTION

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
ENGINEERING CONSULTANTS
185 N. Pennsylvania Ave. Wilkes-Barre, PA 18701
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REV	DESCRIPTION	DATE BY	CHK
C	ISSUED FOR CONSTRUCTION	10/27/21 RER	RER
B	REVISED FOR RFP ADDENDUM 4	8/27/21	
A	ISSUED FOR RFP	7/30/21 RER	RER

STATE OF NEW YORK
MICHAEL BRITTON BULL
No. 083339
LICENSED PROFESSIONAL ENGINEER

N.Y. P.E. LICENSE No. 083339

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Melville, N.Y. 11747
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RRT Engineering , LLC
An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

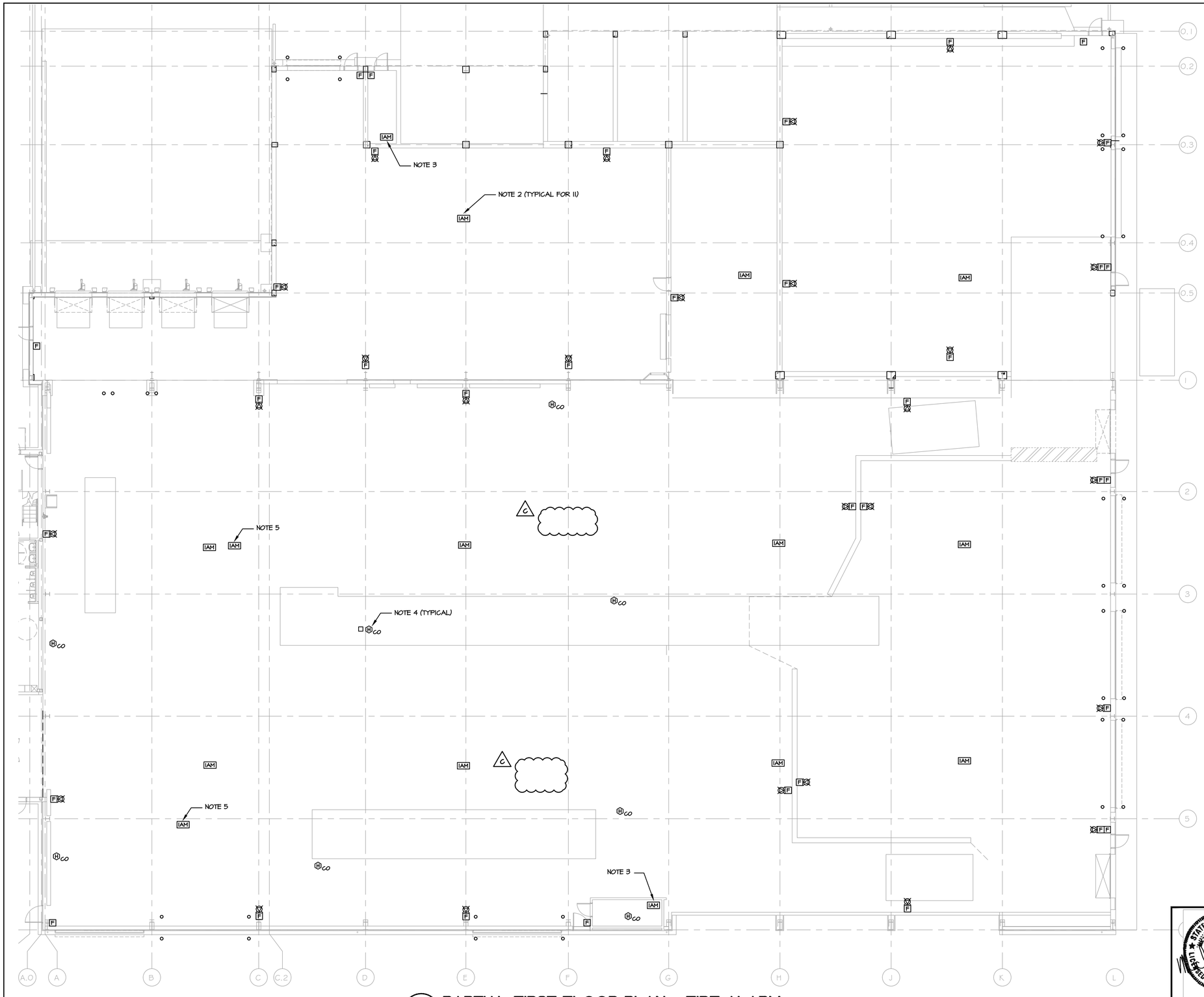
Rockland Green

ROCKLAND GREEN
MATERIALS RECOVERY FACILITY,
FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FLOOR PLANS -
FIRE ALARM

	BY	DATE
DRAWN	RER	7/30/21
CHECKED	RER	7/30/21
DESIGNED	RER	7/30/21
APPROVED		
APPROVED		

PROJ. No: 499-010
SCALE:
DWG. NO: FA-401
C
CAD FILE: N:\2021\21033\MEP\21033 FA-401.DWG
SHEET SIZE: D-24x36
REV



1 PARTIAL FIRST FLOOR PLAN - FIRE ALARM
FA-402 SCALE: 3/32"=1'-0"

NOTES:

1. ALL FIRE ALARM DEVICES SHALL BE WEATHERPROOF AND BE PROVIDED WITH WIRE GUARDS.
2. PROVIDE FIRE ALARM INTERFACE FOR EXHAUST FAN.
3. PROVIDE INDIVIDUAL ADDRESSABLE MODULES FOR SPRINKLER SYSTEM INTERFACE. COORDINATE QUANTITIES REQUIRED WITH FIRE PROTECTION CONTRACTOR.
4. LOCATE HEAT DETECTORS WITH CO DETECTION IN THE VICINITY OF ROOFTOP UNITS, GAS UNIT HEATERS AND INFRARED HEATERS.
5. PROVIDE FIRE ALARM INTERFACE FOR PROCESS CONTROL PANEL.

PROJECT

NORTH

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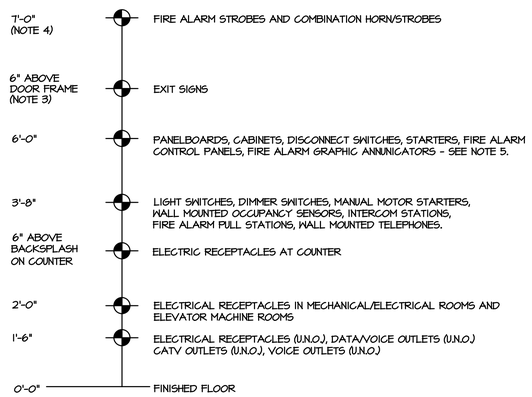
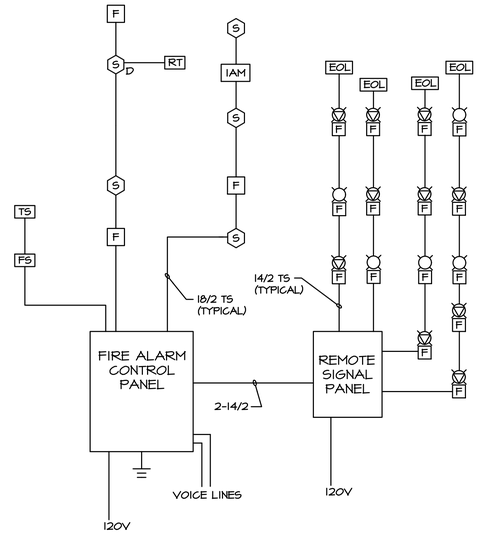


NOTES:

1. ALL EQUIPMENT MOUNTING HEIGHTS ARE TO CENTER OF EQUIPMENT/DEVICE UNLESS OTHERWISE NOTED. LIGHT FIXTURES MOUNTING HEIGHTS ARE TO BOTTOM OF FIXTURE HOUSING.
2. MOUNTING HEIGHT OF ALL DEVICES SHALL CONFORM WITH THE AMERICANS WITH DISABILITIES ACT (ADA).
3. WHERE SPACE DOES NOT EXIST ABOVE DOOR FRAME MOUNT ADJACENT TO DOOR AT CEILING LINE.
4. MOUNT STROBES AT A HEIGHT SUCH THAT THE BOTTOM OF THE STROBE IS NOT LESS THAN 80" AND NO GREATER THAN 96" ABOVE THE FINISHED FLOOR. THE TOP OF THE LENS SHOULD BE AT LEAST 6" FROM THE FINISHED CEILING. FOR LOW CEILINGS WHERE MOUNTING HEIGHTS CAN NOT BE MET, MOUNT THE STROBE SO THAT THE TOP OF THE LENS IS 6" FROM THE FINISHED CEILING.
5. THE OPERATING HANDLE OF A SWITCH OR CIRCUIT BREAKER IN ITS HIGHEST POSITION SHALL NOT BE MORE THAN 6'-7".

1 / FA-501 MOUNTING HEIGHT SCHEDULE

SCALE: NO SCALE



NOTES:

1. SEE DRAWINGS FOR QUANTITIES.
2. VERIFY ALL WIRING WITH MANUFACTURER.
3. ALL WIRING FOR FIRE ALARM SYSTEM SHALL BE IN MINIMUM 3/4" CONDUIT.
4. WIRE AND CABLE SHALL BE A TYPE LISTED FOR ITS INTENDED USE BY AN APPROVAL AGENCY ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION (AHJ) AND SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES FROM THE CURRENT APPROVED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) NFPA 70. SPECIAL ATTENTION SHALL BE PAID TO THE CLASSIFICATION OF CIRCUITS (I. E. POWER LIMITED VERSUS NON-POWER LIMITED) AND TO THE PARTICULAR ELECTRICAL CHARACTERISTICS OF THE CABLE AND WIRE FOR ITS CIRCUIT APPLICATION.

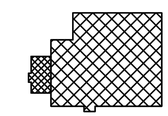
2 / FA-501 PARTIAL FIRE ALARM RISER DIAGRAM

NO SCALE

- HORN/STROBE
- STROBE
- F — PULL STATION
- S — SMOKE DETECTOR
- S CO — SMOKE DETECTOR WITH CO DETECTION
- S D — DUCT DETECTOR
- H — HEAT DETECTOR
- H CO — HEAT DETECTOR WITH CO DETECTION
- IAM — INDIVIDUAL ADDRESSABLE MODULE
- EOL — END OF LINE RESISTOR
- TS — TAMPER SWITCH
- FS — FLOW SWITCH
- RT — REMOTE TEST SWITCH

PROJECT

NORTH



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DETAILS AND RISERS

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