

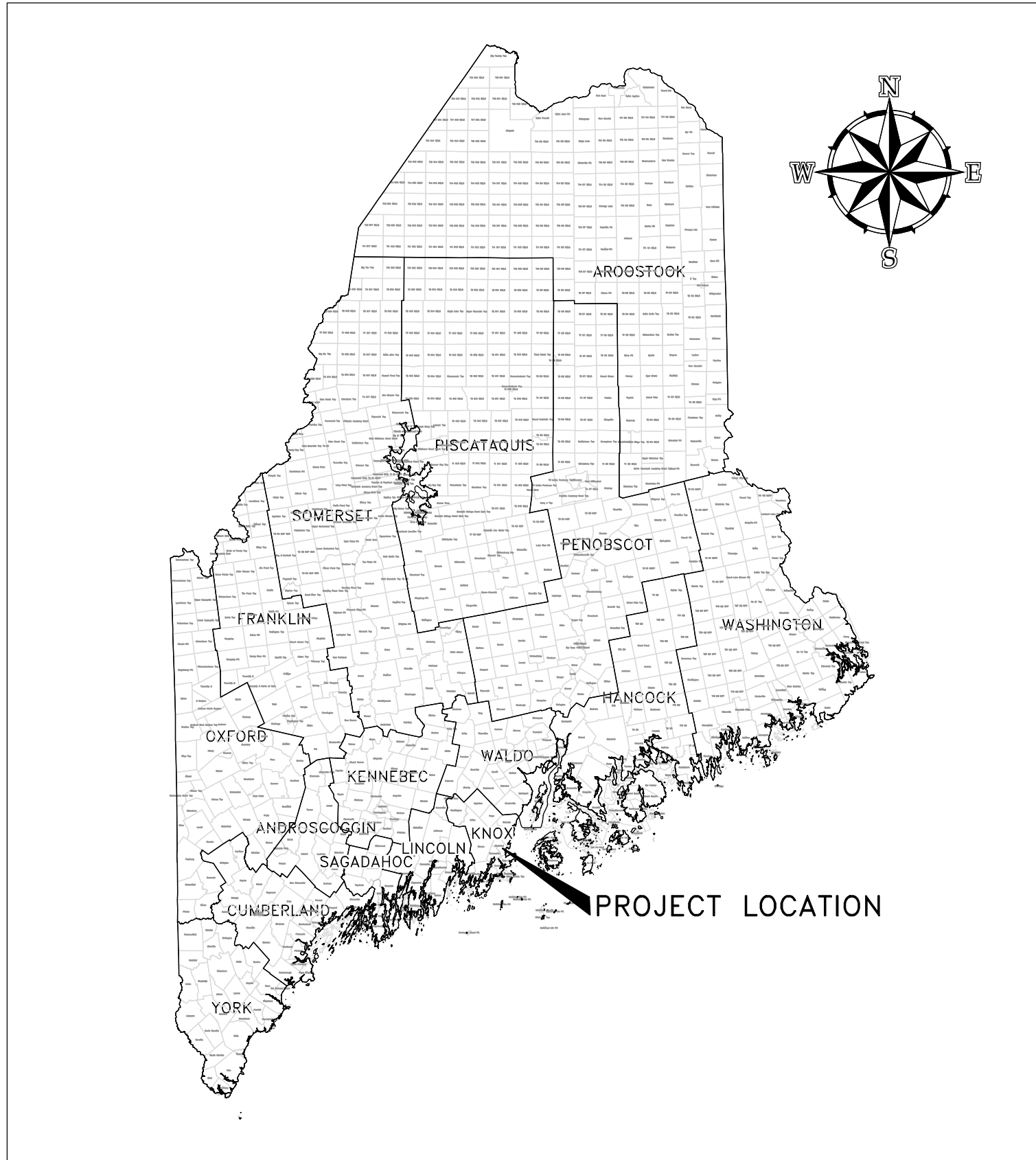
CITY OF ROCKLAND

ROCKLAND, MAINE

TRANSFER STATION UPGRADE

PROJECT NO. 203966.23

APRIL 2018



PROJECT LOCATION MAP

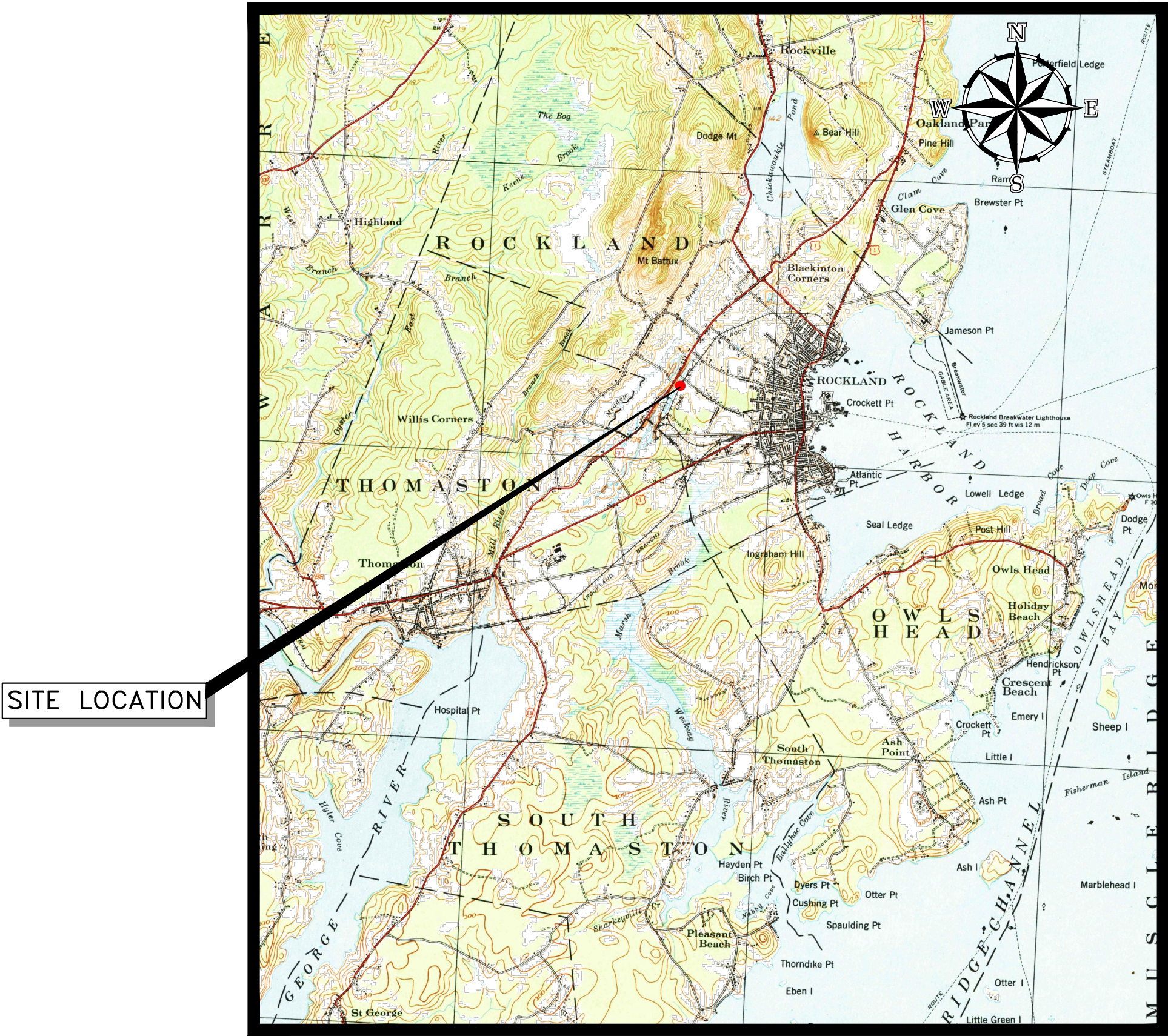


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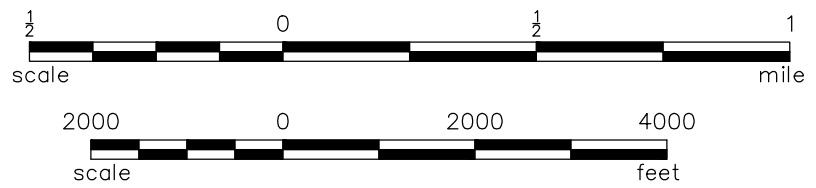


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SOURCE: USGS TOPOGRAPHIC MAP
SITE LOCATION MAP



A

B

C

D

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DESIGN NOTES

1. GOVERNING CODES
- 1.1. INTERNATIONAL BUILDING CODE (IBC) 2015
1.2. ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
1.3. ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
1.4. AISC 360-10 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
1.5. AWS D1.1 STRUCTURAL WELDING CODE – STEEL (2010)
2. BASIC DESIGN PARAMETERS
- PROJECT ADDRESS: ROCKLAND TRANSFER STATION
ROCKLAND, MAINE
- PROJECT LOCATION: 44.11 N, 69.14 W
3. DESIGN LOADS AND CRITERIA
- 3.1. DEAD LOADS
LIGHT STEEL FRAMING 12 psf
REINFORCED CONCRETE 150 psf
- 3.2. LIVE LOADS
NEW GRATING 100 psf
EXG 8" SLAB 50 psf
- 3.3. SOIL LOADS
SOIL UNIT WEIGHT 130 pcf (ASSUMED)
AT-REST LATERAL COEF., K_o 0.5 (ASSUMED)
- 3.4. SNOW LOADS
RECORD DRAWINGS 40 psf
- 3.5. WIND LOADS
RISK CATEGORY II
DESIGN WIND SPEED 117 mph
RECORD DRAWINGS 30 PSF
- 3.6. SEISMIC LOADS, NON-STRUCTURAL COMPONENTS
RISK CATEGORY II
SOIL CLASS D (ASSUMED)
SEISMIC DESIGN CATEGORY B
METHOD USED: ASCE 7-10
Sds 0.196g
Sd1 0.111g
MAPPED SHORT MCE, Ss 0.182g
MAPPED 1s MCE, S1 0.069g
4. THESE NOTES APPLY TO ALL WORK EXCEPT AS NOTED OTHERWISE.
5. EXISTING CONDITIONS
- 5.1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AS THEY RELATE TO NEW CONSTRUCTION. REPORT TO THE ENGINEER OF RECORD ALL OBSERVATIONS AND ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK.
- 5.2. WHERE DETAILS FOR SPECIFIC CONDITIONS ARE NOT SHOWN ON THESE PLANS, USE DETAILS FOR THE MOST NEARLY SIMILAR CONDITIONS SHOWN ON THE STRUCTURAL DRAWINGS AS DETERMINED BY THE STRUCTURAL ENGINEER. REPORT ANY COORDINATION ISSUES IMMEDIATELY TO THE ENGINEER.
- 5.3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE FOR A SAFE AND EFFICIENT METHOD OF SHORING AND/OR BRACING THE STRUCTURE DURING ALL CONSTRUCTION PHASES. SUBMIT AN OUTLINE OF PROPOSED PROCEDURE BEFORE CONSTRUCTION COMMENTS.
- 5.4. STRUCTURAL MEMBERS SHALL NOT BE MODIFIED IN THE FIELD WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER. IN THE EVENT OF A CONSTRUCTION OR FABRICATION ERROR, THE CONTRACTOR SHALL PREPARE A SKETCH WITH THE PROPOSED REPAIR, AND SUBMIT TO THE ENGINEER FOR APPROVAL PRIOR TO PERFORMING ANY CORRECTIVE WORK.
- 5.5. VERIFY ALL FIELD DIMENSIONS, LOCATIONS, AND GEOMETRY OF EXISTING STRUCTURES PRIOR TO CONSTRUCTION. ALL EXISTING DIMENSIONS ARE APPROXIMATE. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCY BETWEEN THE FIELD CONDITIONS AND THE CONTRACT DRAWINGS.
- 5.6. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT THE EXISTING BUILDING ELEMENTS TO REMAIN DURING DEMOLITION. DO NOT CUT OR ALTER ANY OF THE EXISTING STRUCTURAL OR ARCHITECTURAL ELEMENTS TO REMAIN WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. PROVIDED PROTECTION FOR EXISTING WALLS, COLUMNS, BRACES, AND OTHER BUILDING ELEMENTS TO REMAIN FROM FALLING DEBRIS. ANY DAMAGE TO EXISTING ELEMENTS TO REMAIN SHALL BE REPAIRED BY THE CONTRACTOR AT THEIR OWN EXPENSE.

CONCRETE NOTES

1. CONCRETE REINFORCEMENT FABRICATION
- 1.1. REINFORCEMENT DETAILING SHALL BE DONE IN CONFORMANCE WITH ACI SP-66, CURRENT EDITION.
- 1.2. FABRICATOR SHALL TAG ALL REINFORCEMENT FOR PROPER PLACEMENT IF SHOP FABRICATED. REINFORCING SHALL BE BENT PER CRSI 10 MANUAL OF STANDARD PRACTICE.
2. CONCRETE AND REINFORCEMENT PLACEMENT
- 2.1. PERFORM CONCRETE WORK IN ACCORDANCE WITH CURRENT ACI 301 "STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE" UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED.
- 2.2. CONCRETE SHALL BE FORMED AND LOCATED AS PER ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS AND COMMENTARY.
- 2.3. FORMS SHALL BE COATED WITH A FORM RELEASE AGENT. FORM RELEASE AGENT SHALL NOT RAISE FORM GRAIN OR STAIN CONCRETE SURFACE.
- 2.4. MECHANICALLY VIBRATE ALL CONCRETE PLACEMENTS, BUT VIBRATION SHALL NOT BE UTILIZED TO CONVEY MATERIAL.
- 2.5. MINIMUM REINFORCING BAR COVER:
3" AT UNFORMED SURFACES EXPOSED TO EARTH
2" AT FORMED SURFACED EXPOSED TO EARTH OR WEATHER (1 1/2" AT TIES)
- 2.6. WELDING OF REINFORCING BARS IS NOT PERMITTED WITHOUT A PROCEDURE APPROVED BY THE ENGINEER OF RECORD.
- 2.7. SECURE ALL REINFORCING, INCLUDING WWF, IN POSITION WITH CHAIRS BEFORE CONCRETE PLACEMENT. REINFORCING SHALL BE INSPECTED FOR PROPER PLACEMENT.
3. CONCRETE FINISHING
- 3.1. CHAMFER ALL EXPOSED EDGES 3/4" (TYPICAL UNLESS NOTIFIED OTHERWISE). CHAMFER VIA GRINDING IS PROHIBITED.
4. CONCRETE TESTING AND INSPECTION
- 4.1. ALL CONCRETE TESTING AND INSPECTION SHALL BE PERFORMED AS PER SPECIFICATION 03 30 20
- 4.2. REINFORCING PLACEMENT SHALL BE INSPECTED AND DOCUMENTED PRIOR TO CONCRETE PLACEMENT.
- 4.3. DO NOT LOAD FOUNDATION SYSTEM AT ALL UNTIL TESTS SHOW 75% DESIGN STRENGTH, OR FULLY UNTIL 100% STRENGTH.

MISCELLANEOUS STEEL NOTES

1. METAL FABRICATION
- 1.1. ALL METAL FABRICATION SHALL BE DONE IN ACCORDANCE TO THE CURRENT AISC SPECIFICATIONS.
- 1.2. FABRICATOR SHALL FOLLOW ASSEMBLY METHODS TO MINIMIZE WELDING DISTORTION.
- 1.3. METAL FABRICATOR SHALL PLACE PIECE NUMBER ON EACH STRUCTURAL
- 1.4. FABRICATION. DIRECTIONAL MARK SHALL ALSO BE PLACED WHERE APPLICABLE TO ENSURE PROPER ERECTION.
2. BOLTED CONNECTIONS – STEEL
- 2.1. BOLTED CONNECTION DESIGN IS BASED ON THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS" – LATEST EDITION.
- 2.2. UNLESS NOTED OTHERWISE IN THESE STRUCTURAL DRAWINGS, ALL CARBON STEEL BOLTED CONNECTIONS SHALL BE BOLTED WITH ASTM A325 HIGH STRENGTH BOLTS (TYPE N) AND JOINT TYPE SHALL BE "SNUG TIGHT".
- 2.3. HIGH-STRENGTH BOLTS SHALL NOT BE REUSED WITHOUT PRIOR APPROVAL OF THE ENGINEER OF RECORD.
- 2.4. COMPRESSIBLE MATERIAL SHALL NOT BE PERMITTED BETWEEN BOLTED ASSEMBLIES.
- 2.5. UNLESS OTHERWISE NOTED STANDARD HOLE SIZES SHALL BE USED IN ALL PLIES OF BOLTED JOINTS.
3. WELDED CONNECTIONS
- 3.1. ALL WELDING SHALL BE PERFORMED PER AWS D1.1 – LATEST EDITION (STEEL).
- 3.2. ALL WELDING SHALL BE PERFORMED BY WELDERS CERTIFIED IN ACCORDANCE WITH AWS.
- 3.3. STRUCTURE OWNER RESERVES THE RIGHT TO REQUEST WELDING CERTIFICATIONS, AND REQUEST DESTRUCTIVE OR NONDESTRUCTIVE TESTING.
4. GRATING
- 4.1. 2" THICK x 12" WIDE SAFPLANK FRP INTERLOCKING DECKING SYSTEM BY STRONGWELL OR ENGINEER APPROVED EQUAL. MAXIMUM GAP BETWEEN PANELS ABUTTING SURFACES IS 1/4-INCH. GRATING SPAN PER DRAWINGS. ALL PANELS SHALL BE ATTACHED WITH 316 SS HARDWARE AT FOUR CORNERS AND ONE MIDDLE CLIP AT ALL INTERMEDIATE SUPPORTS. COLOR SHALL BE AS SELECTED BY OWNER.

MATERIAL NOTES SPECIFICATIONS

1. CONCRETE:
- 1.1. STRUCTURAL CONCRETE
COMPRESSIVE STRENGTH f'c = 4000 PSI
- 1.2. REINFORCING:
DEFORMED BAR ASTM A615, GRADE 60
2. CONCRETE ANCHORS
- 2.1. POST-INSTALLED – EXPANSION
ANCHOR 316 SS CONSTRUCTION
HILTI KWIK BOLT TZ OR ENGINEER APPROVED EQUAL
3. STRUCTURAL STEEL
- STEEL PIPE ASTM A53 GRADE B
CHANNELS, ANGLES, PLATES ASTM A36
HSS TUBULAR SHAPES ASTM A500 GRADE C
WELDING ELECTRODES 70 ksi MIN
ROLLED WIDE FLANGE ASTM A992
TUBING ASTM A500 GRADE B
ROOFING ASTM A653/A653M
4. MISCELLANEOUS
- ROOF COATING CLASS G90
5. COMPACTED STRUCTURAL FILL GRADATION
- | SEIVE SIZE | PERCENT PASSING |
|------------|-----------------|
| 4 INCH | 100 |
| 3 INCH | 90-100 |
| 1/4 INCH | 25-90 |
| #40 | 0-30 |
| #200 | 0-5 |
- COMPACT TO 95% MAXIMUM DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED)
MAXIMUM LIFT THICKNESS SHALL BE 6".

ABBREVIATIONS

- | | |
|-------|---------------------------------------|
| & | AND |
| @ | AT |
| % | PERCENT(AGE) |
| ± | PLUS OR MINUS |
| ACI | AMERICAN CONCRETE INSTITUTE |
| ADD'L | ADDITIONAL |
| ALUM | ALUMINUM |
| ASTM | AMERICAN SOCIETY OF TESTING MATERIALS |
| BOS | BOTTOM OF STEEL |
| BOT | BOTTOM |
| CL | COLUMN LINE |
| CLR | CLEAR |
| CONT | CONTINUOUS |
| DEMO | DEMOLITION |
| DIA | DIAMETER |
| EA | EACH |
| EF | EACH FACE |
| EL | ELEVATION |
| EMB | EDEMBEDMENT |
| EXG | EXISTING |
| EXP | EXPANSION |
| FT | FOOT / FEET |
| FV | FIELD VERIFY |
| HOR | HORIZONTAL |
| IN | INCH(S) |
| LB | POUND |
| LOC | LOCATION |
| MAX | MAXIMUM |
| MIN | MINIMUM |
| OC | ON CENTER |
| OCEW | ON CENTER EACH WAY |
| PL | PLATE |
| PLF | POUND(S) PER LINEAR FOOT |
| PSF | POUND(S) PER SQUARE FOOT |
| PSI | POUND(S) PER SQUARE INCH |
| SPC | SPACE |
| SQ | SQUARE |
| TOC | TOP OF CONCRETE |
| TOS | TOP OF STEEL |
| TYP | TYPICAL |
| UNO | UNLESS NOTIFIED OTHERWISE |
| VERT | VERTICAL |
| WWF | WELDED WIRE FABRIC |

STRUCTURAL NOTES

CITY OF ROCKLAND
ROCKLAND, MAINE

TRANSFER STATION UPGRADE

JOB NO.: 203966.23
DATE: APRIL 2018
SCALE: AS NOTED
SHEET: 1 OF 10

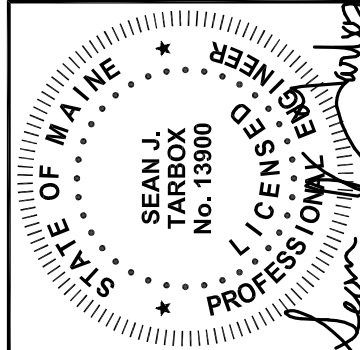
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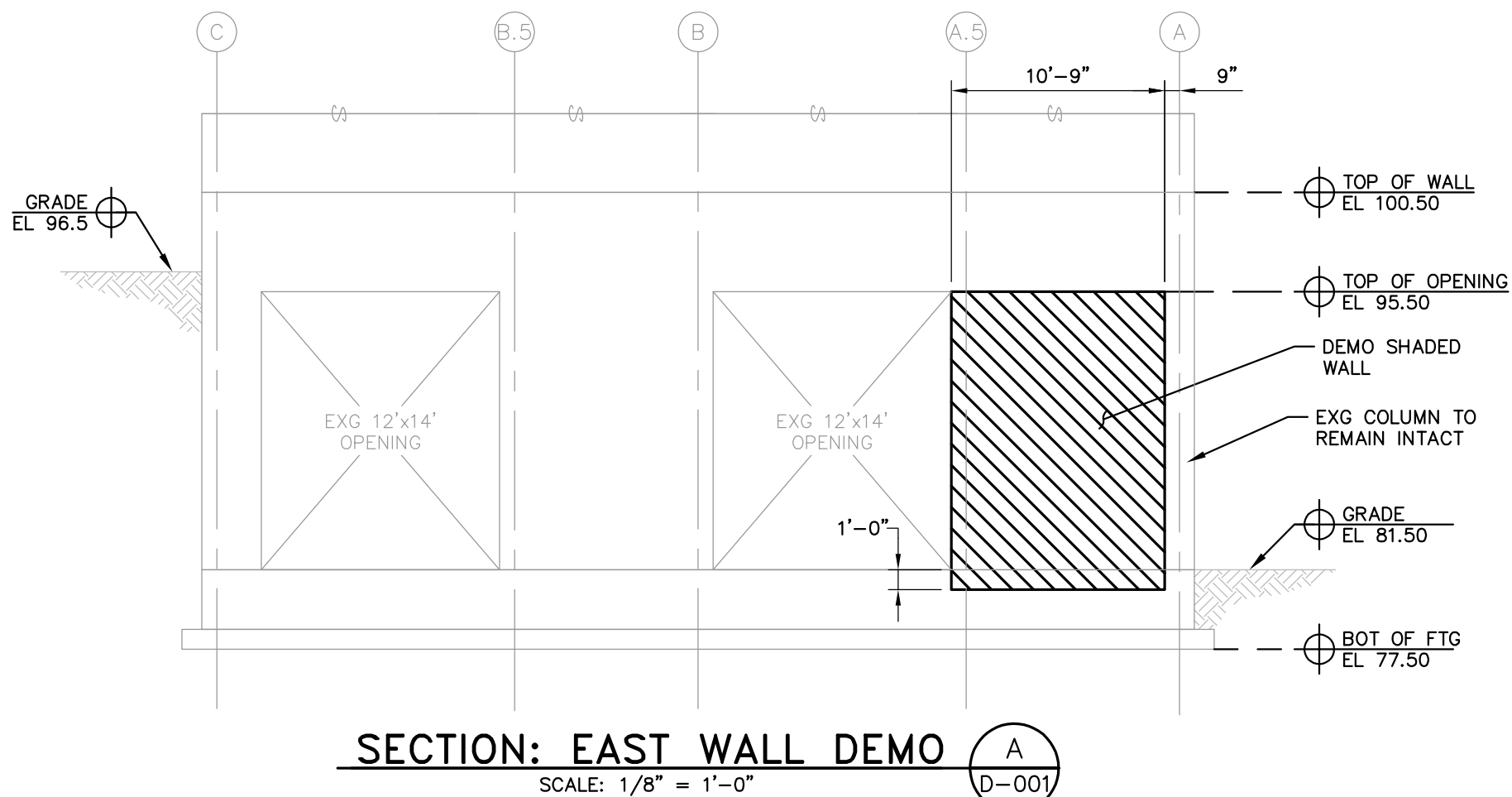
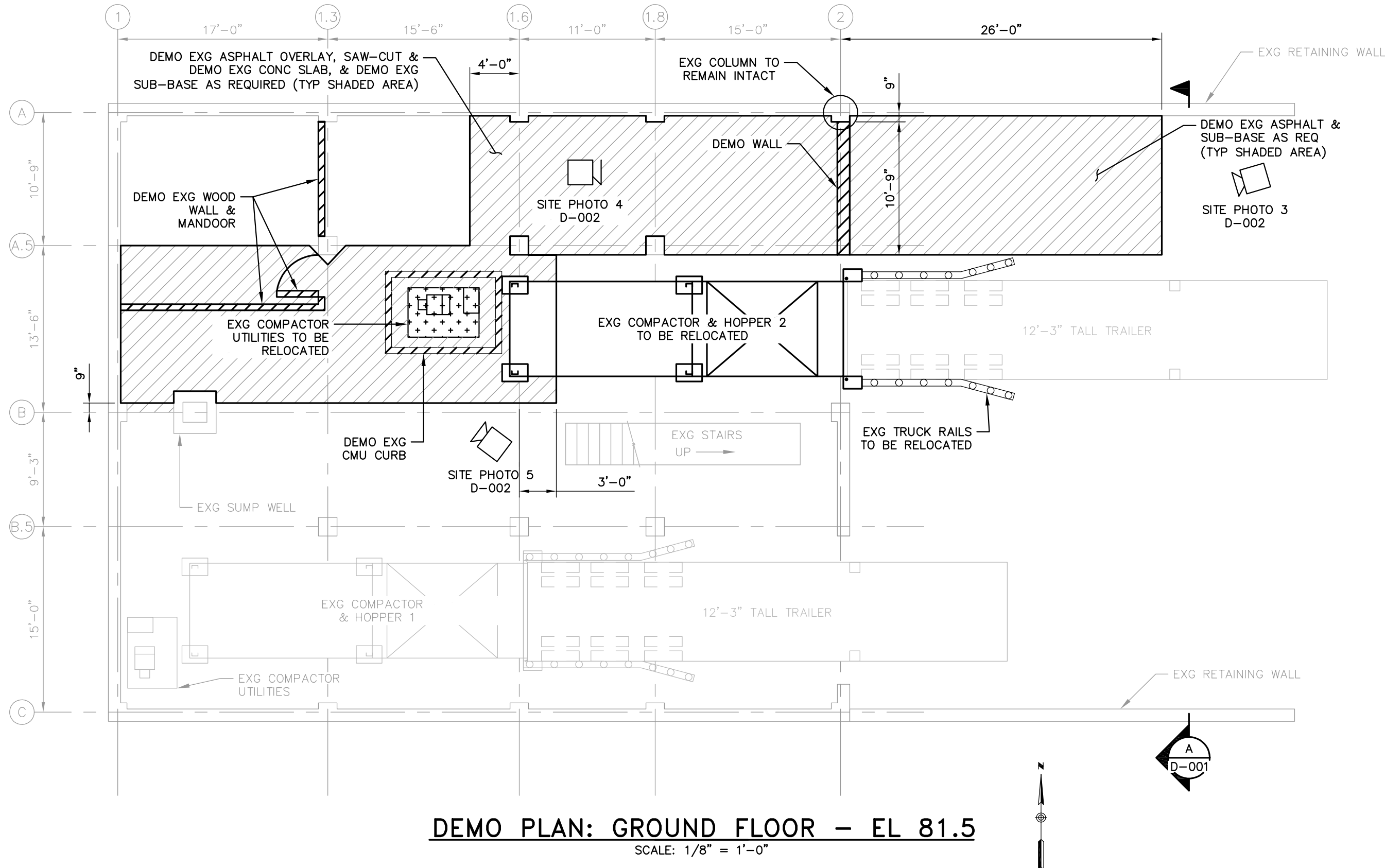
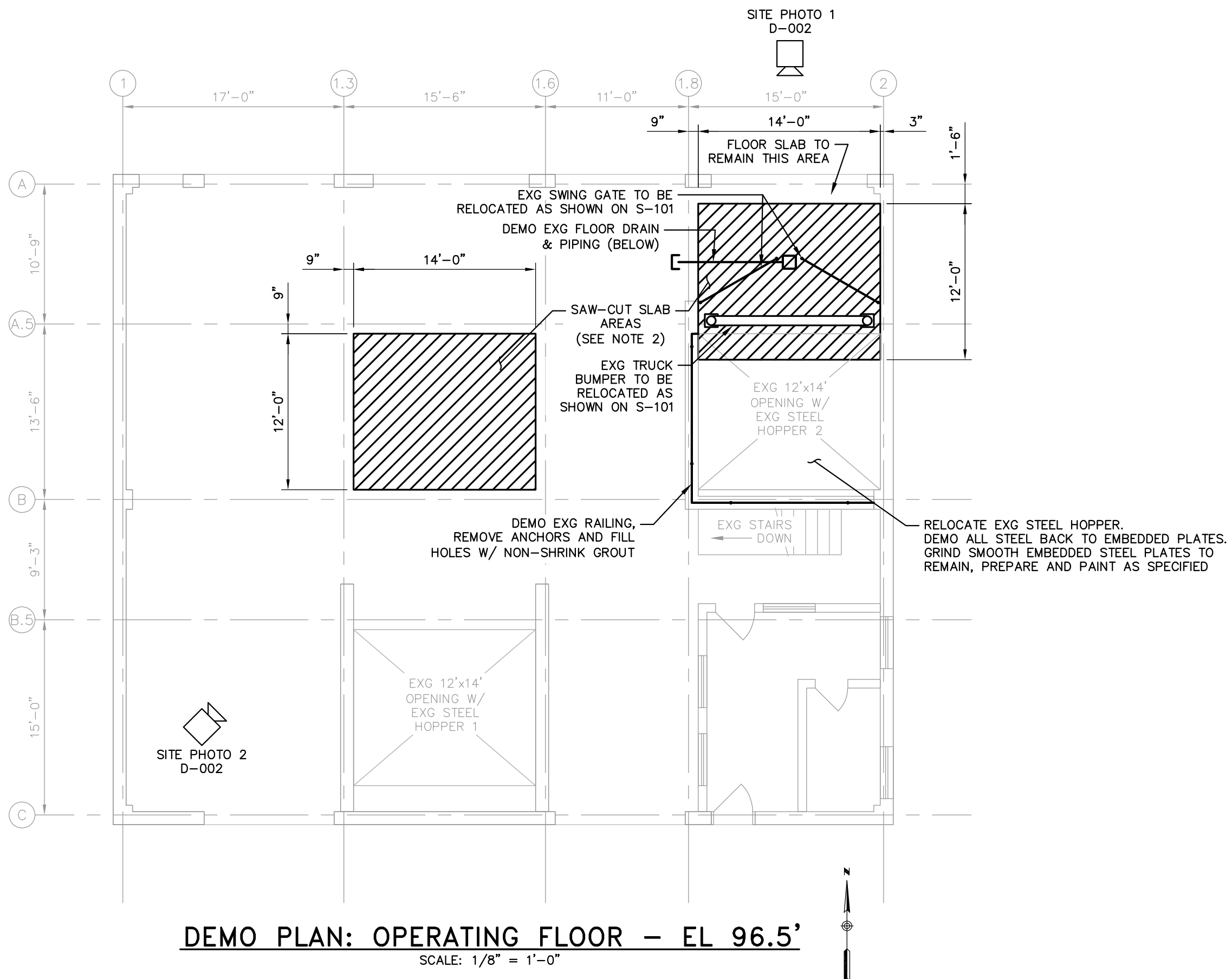
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DEMOLITION NOTES

1. PLANS AND ELEVATIONS BASED ON RECORD DRAWINGS BY KIMBALL CHASE COMPANY, INC, DATED APRIL 1987, TITLED "ROCKLAND TRANSFER STATION."
2. SAW-CUT EXISTING SLAB ALONG VERTICAL FACE OF INTEGRAL FLOOR BEAMS (CL 1.3, CL 1.6, CL 1.8, & CL 2). DO NOT CUT INTO CONCRETE BEAM.
3. OPENINGS: SAW-CUT OPENING USING TOOLS THAT RESULT IN CLEAN, SQUARE CORNERS - NO OVER-CUTS ARE PERMITTED BEYOND FINISHED OPENING DIMENSIONS. ANY SPALLING SHALL BE PATCHED. EXPOSED EDGES SHALL HAVE CHAMFERS EITHER BY SAW-CUTTING OR GRINDING. ANY CUT/EXPOSED REBAR SHALL BE REPAIRED AS FOLLOWS: CORE 2" DIAMETER x 2" DEEP HOLE CENTERED ON REBAR; CHIP OUT ALL CONCRETE WITHIN CORE TO 2" DEPTH; BUN OR CUT BACK REBAR TO 2" DEPTH; PLUG 2" DIAMETER VOID WITH NON-SHRINK GROUT.
4. SEQUENCE: DEMOLISH OPERATION FLOOR SLABS PRIOR TO DEMOLISHING PORTION OF EAST WALL.
5. ANY CONDUITS, LIGHTING, OR UTILITIES BELOW DEMOLISHED SLABS SHALL BE RELOCATED AS NECESSARY.
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ANY AND ALL TEMPORARY SUPPORT AND/OR BRACING AS REQUIRED TO COMPLETE THE WORK.
7. REMOVE ANY EXISTING PIPE HANGERS AND ANCHORS ASSOCIATED WITH DEMOLITION OF EXISTING FLOOR DRAINS. PATCH HOLES IN CONCRETE SLAB WITH NON-SHRINK GROUT.

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SEAL OF MAINE
SEAN J. FARBOX
No. 13900
LICENSED PROFESSIONAL ENGINEER

DESIGNED BY: TJS
CHECKED BY: SUT
DRAWN BY: CSB
DATE: 4/12/18
DESCRIPTION: ISSUED FOR BID
REV: D

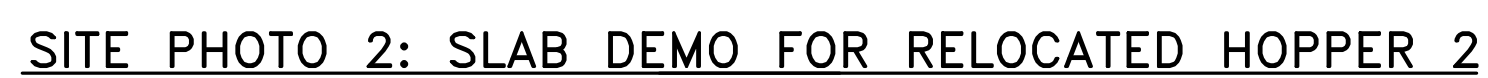
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ROCKLAND, MAINE

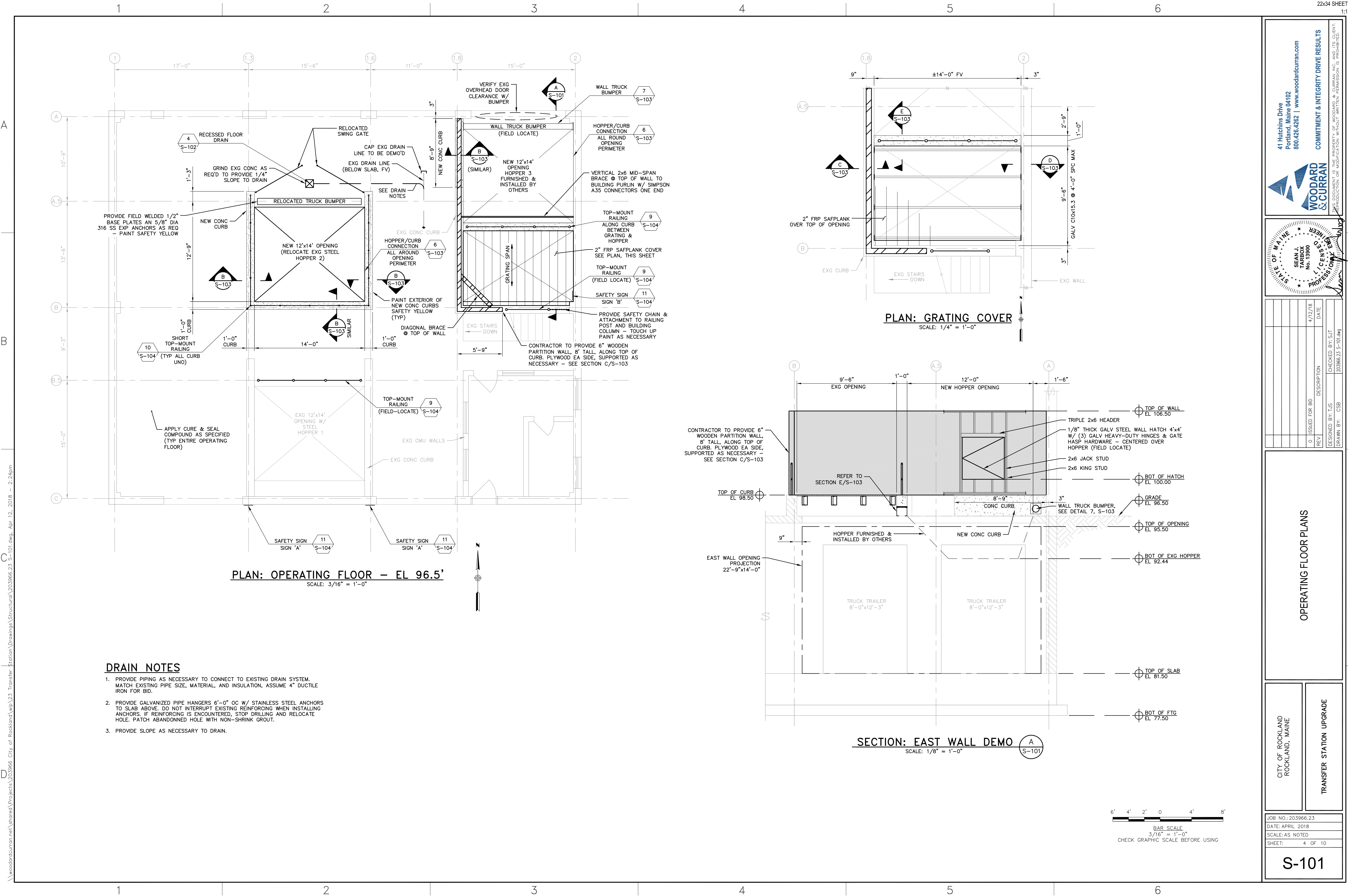
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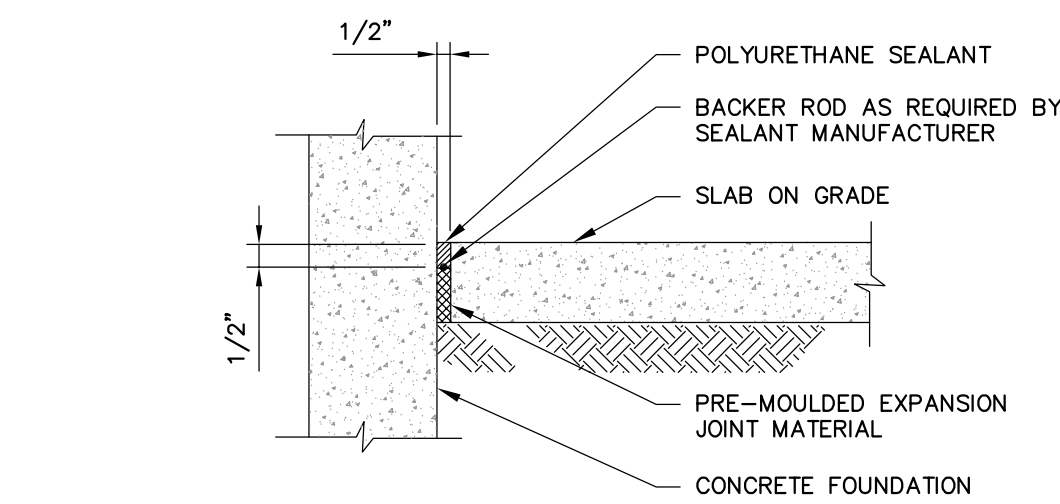
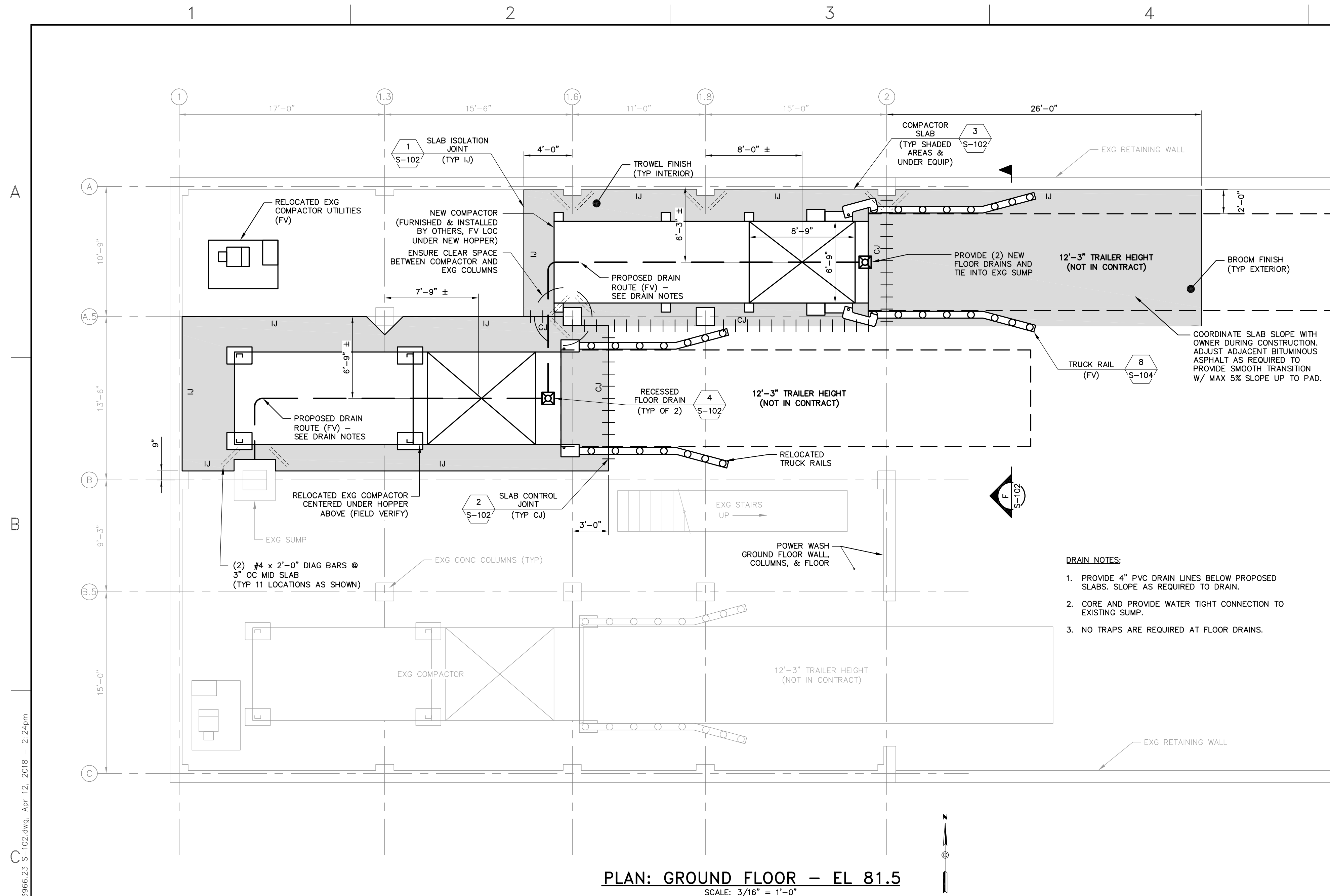
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D-001

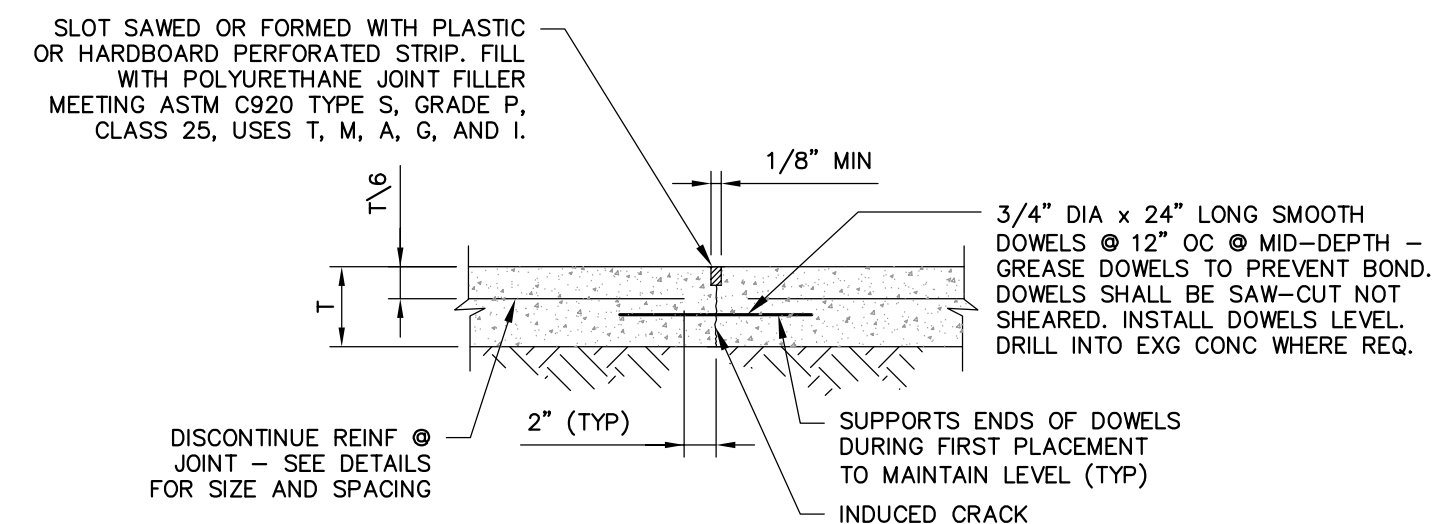


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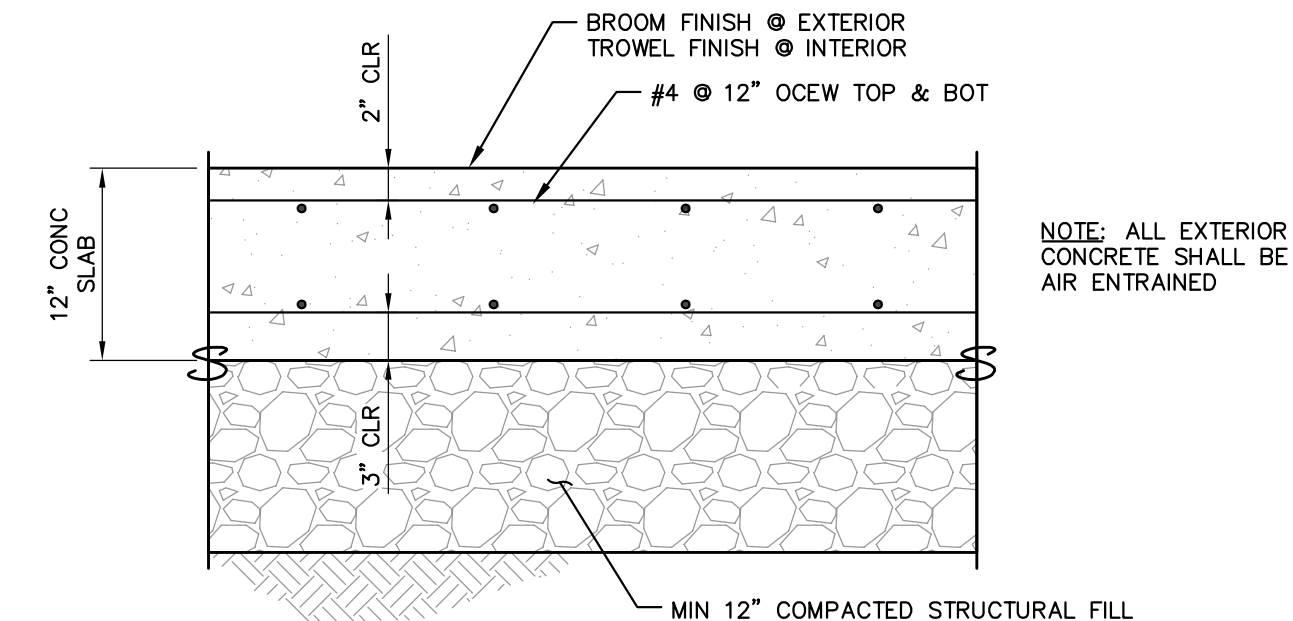




1 DETAIL: SLAB ISOLATION JOINT (IJ)
S-102 NTS



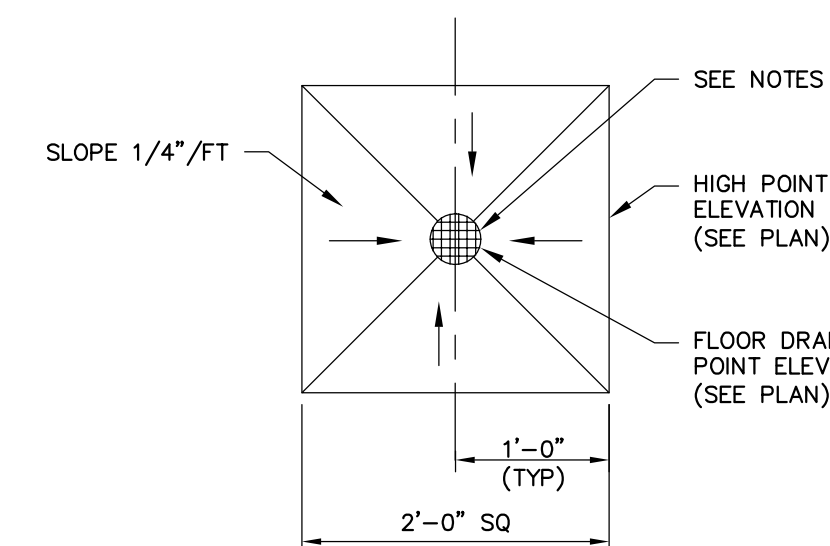
2 DETAIL: SLAB CONTROL JOINT (CJ)
S-102 NTS



3
S-102

DETAIL: COMPACTOR SLAB

SCALE: 1/4" = 1'-0"



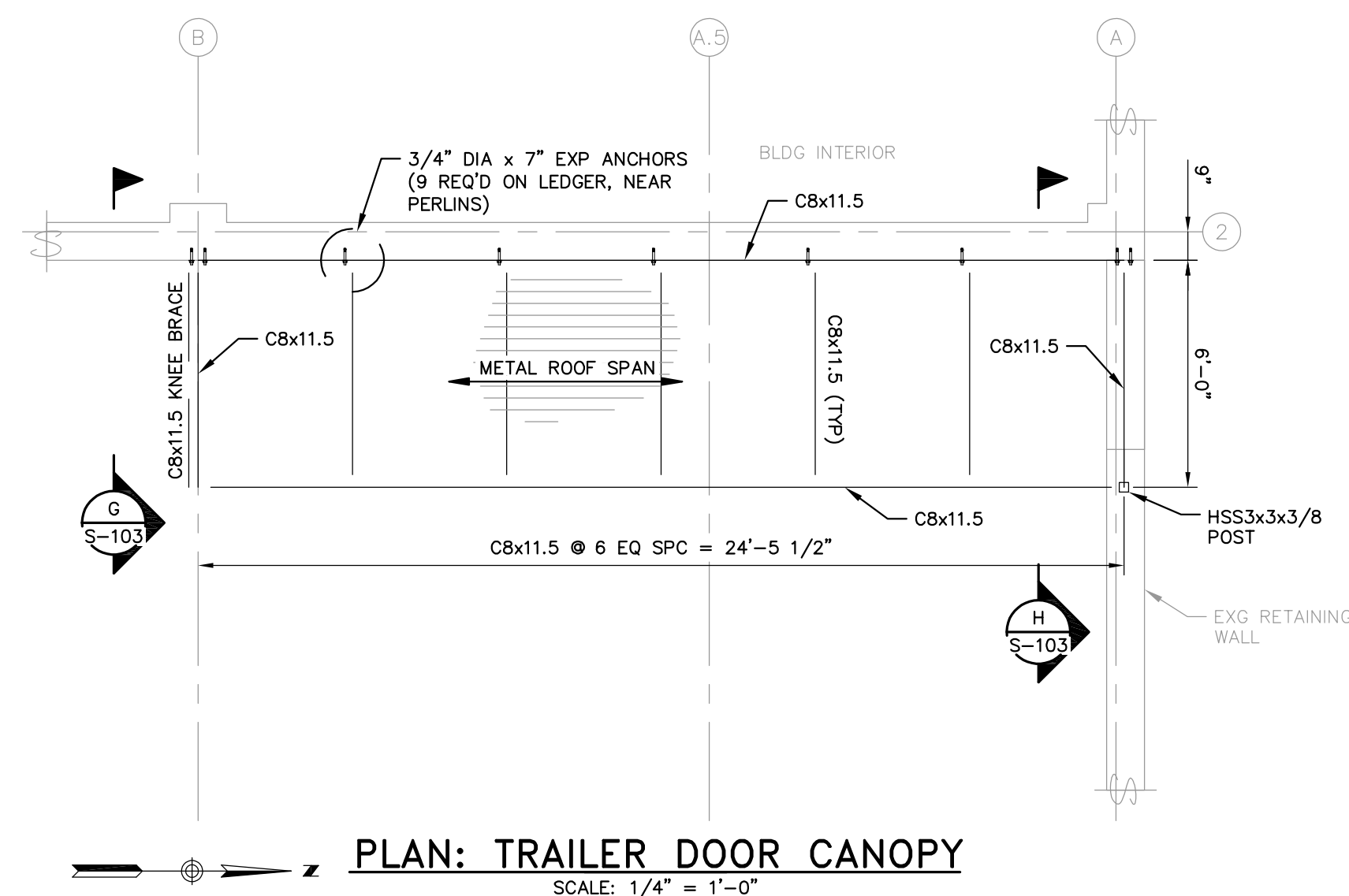
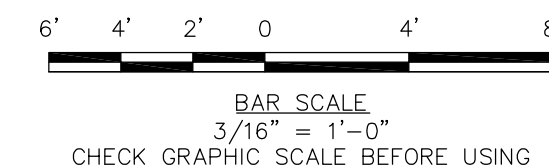
- NOTES:
1. DRAIN AT GROUND FLOOR SHALL BE ZURN Z503 HEAVY-DUTY AREA DRAIN OR ENGINEERED APPROVED EQUAL.
 2. DRAIN AT OPERATING FLOOR SHALL BE JOSAM 6x6 4133 OR ENGINEER APPROVED EQUAL SET IN 6" DIA CORE FILLED WITH NON-SHRINK GROUT.

4
S-102

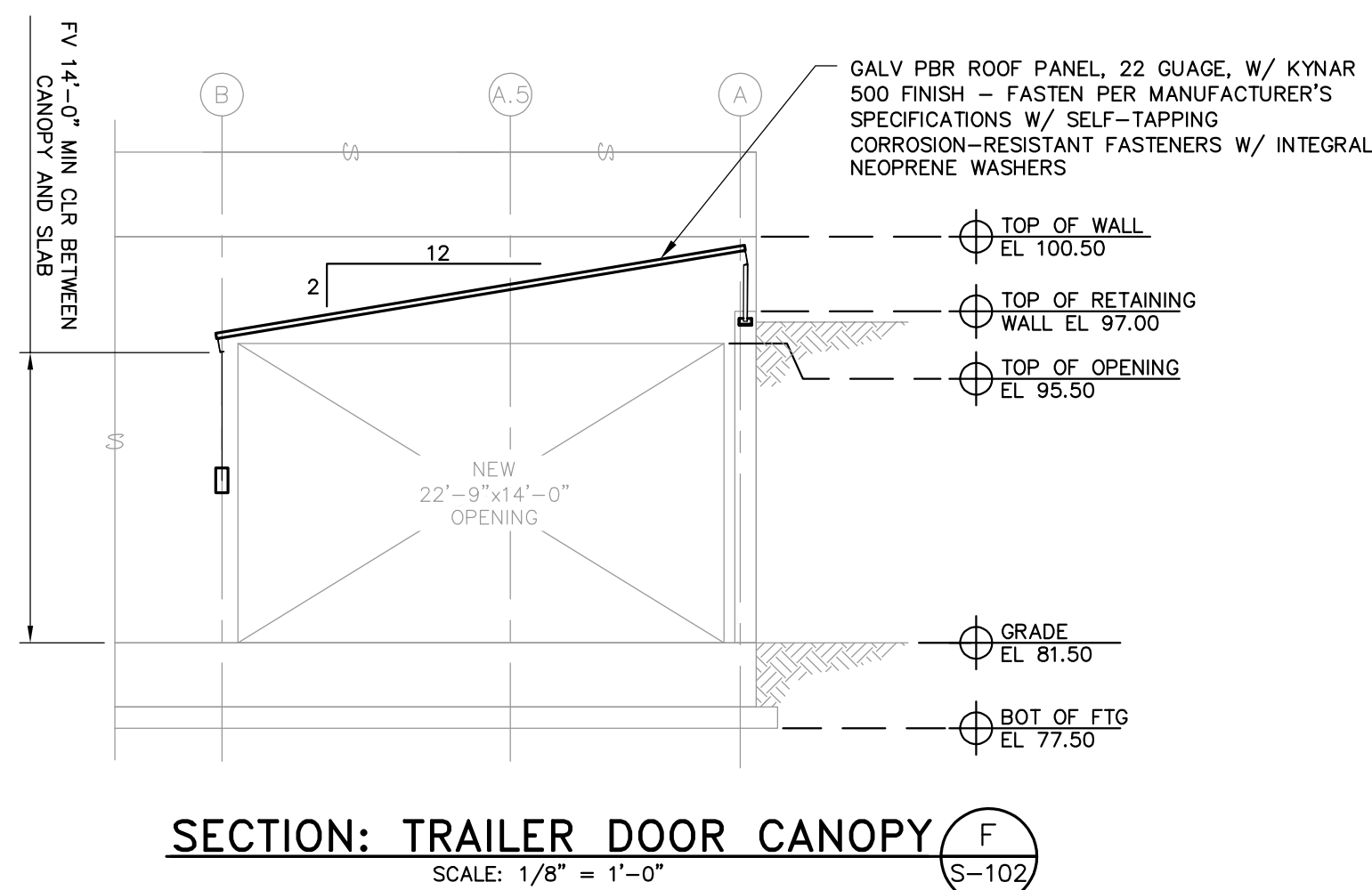
DETAIL: RECESSED FLOOR DRAIN

NTS

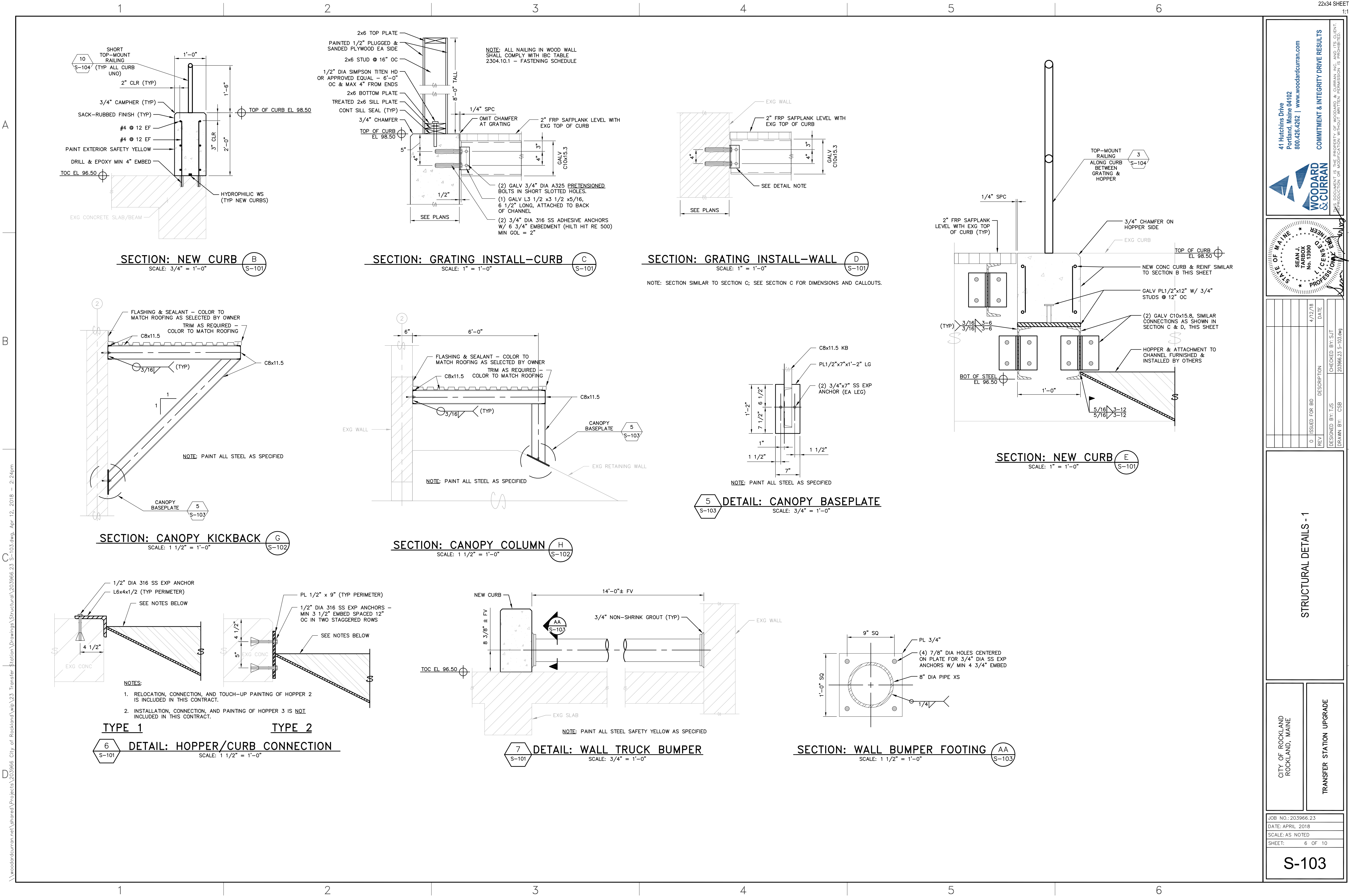
6' 4' 2' 0'



PLAN: TRAILER DOOR CANOPY
SCALE: 1/4" = 1'-0"



SECTION: TRAILER DOOR CANOPY (F)
SCALE: 1/8" = 1'-0" (S-102)



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SEAN J. TARBOK
No. 13900
LICENSED PROFESSIONAL ENGINEER
STATE OF MAINE

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D	ISSUED FOR BID		4/12/18

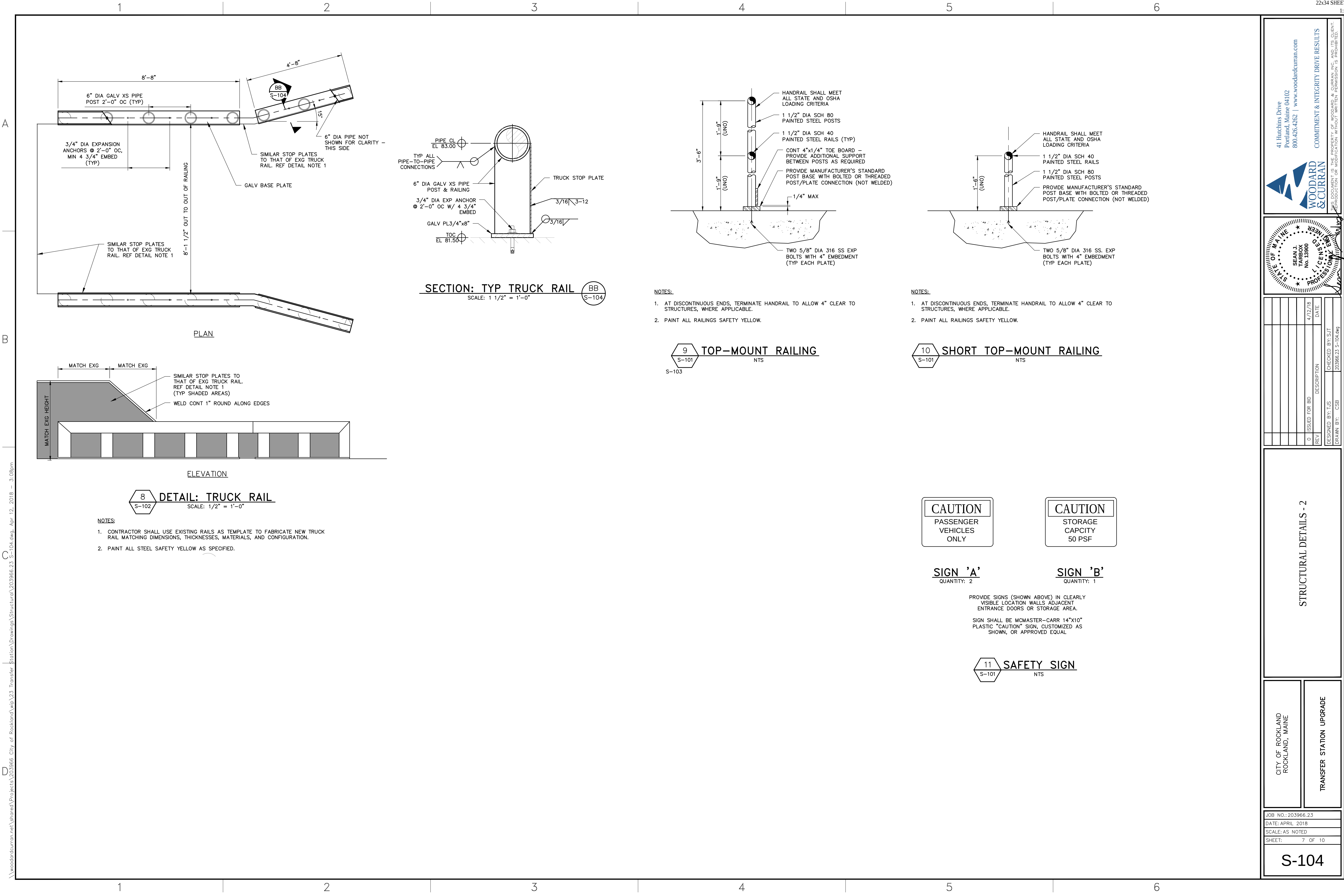
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ROCKLAND, MAINE

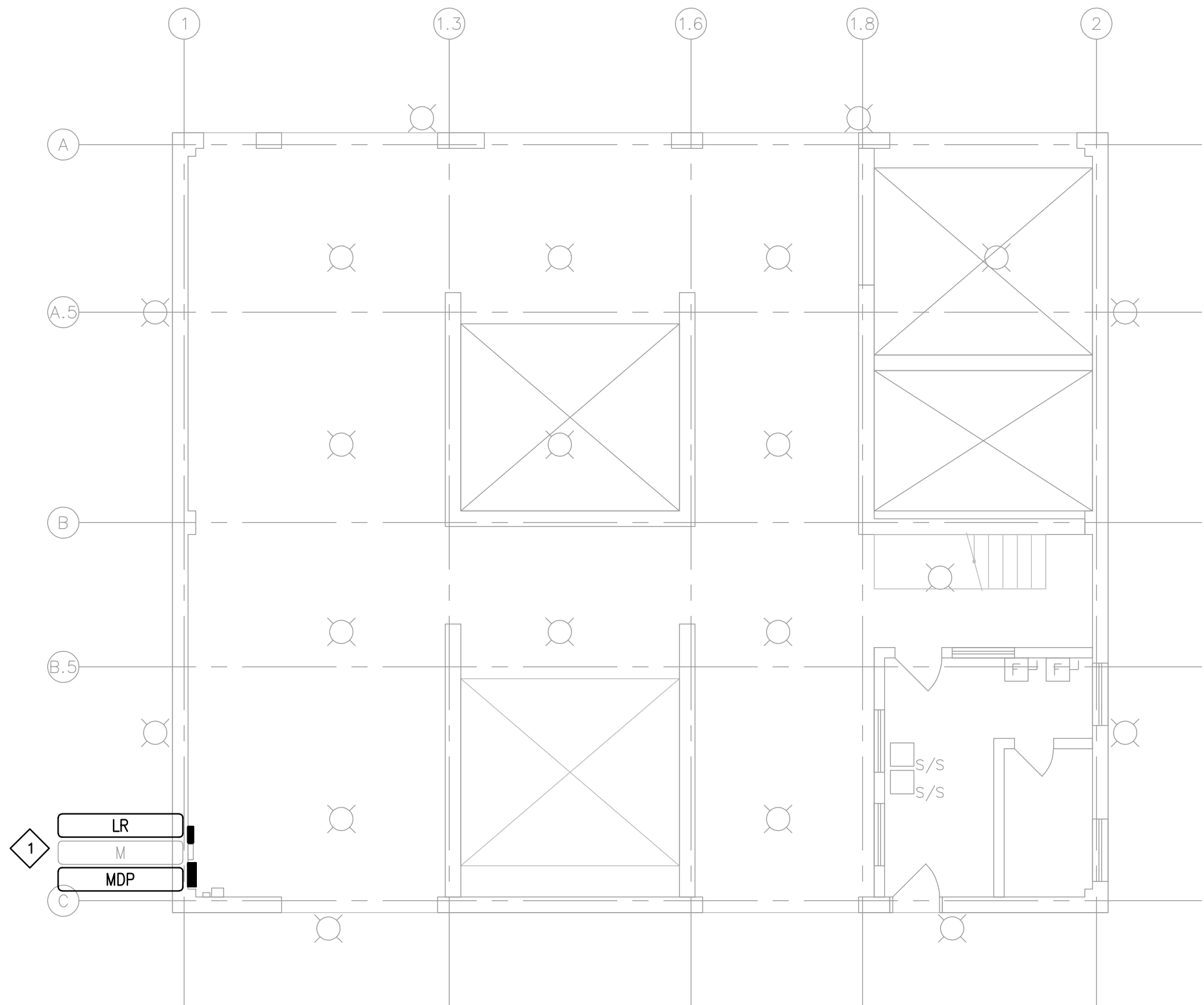
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SHEET: 6 OF 10

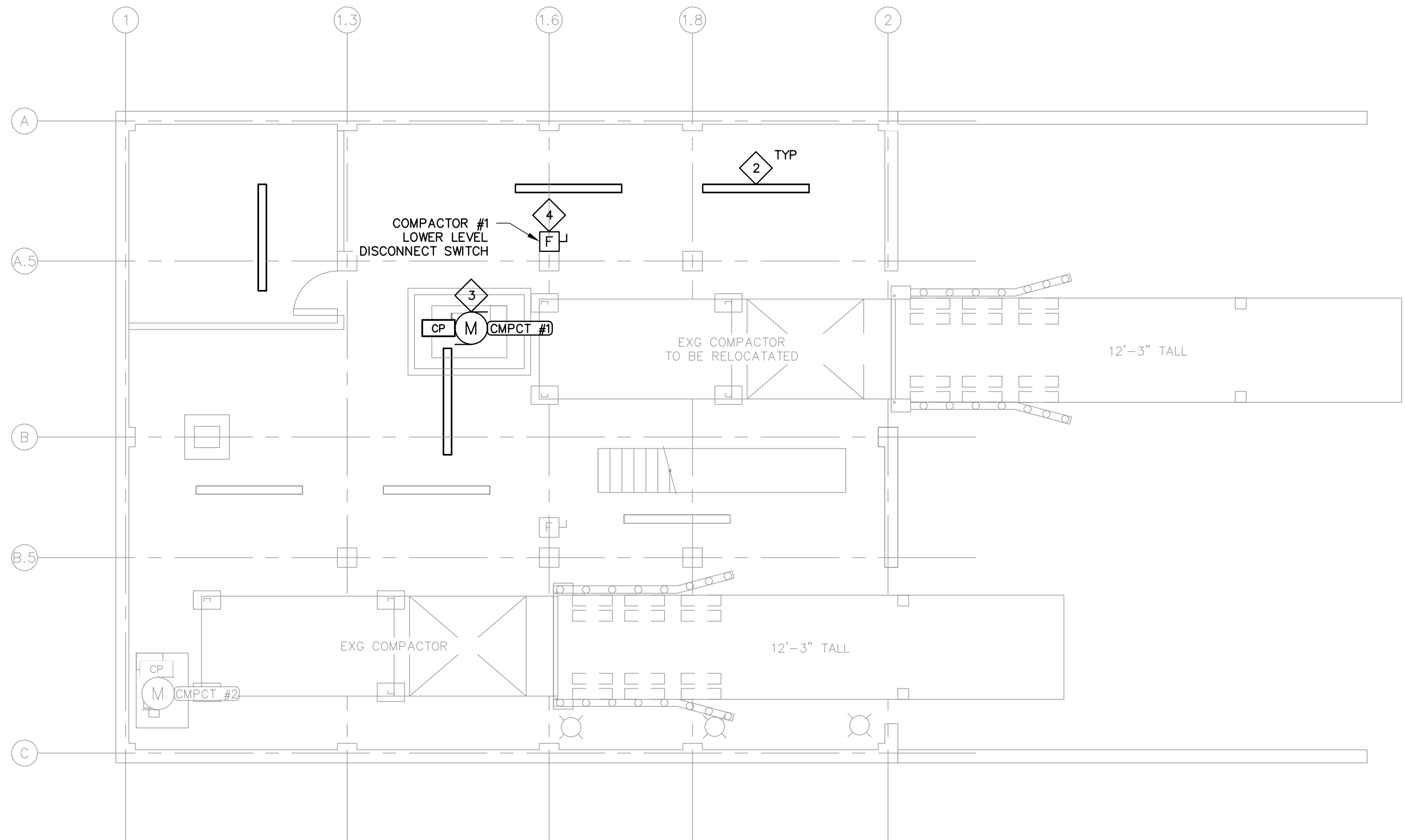
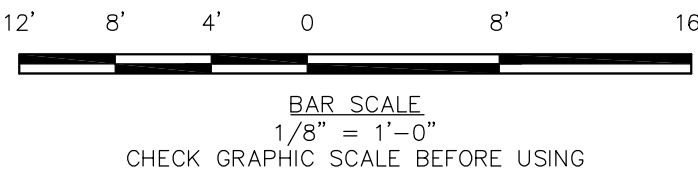
S-103



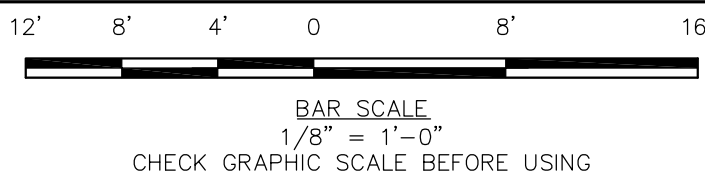
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UPPER LEVEL ELECTRICAL DEMOLITION PLAN



LOWER LEVEL ELECTRICAL DEMOLITION PLAN



DEMOLITION NOTES:

1. THE INTENT OF THE DEMOLITION PLANS IS TO DOCUMENT EXISTING CONDITIONS. HOWEVER, ALL ELECTRICAL DEVICES MAY NOT NECESSARILY BE INDICATED ON THE DRAWINGS. FIELD VERIFY AND ADJUST WORK TO SUIT ALL CONDITIONS FOUND.
2. ITEMS SHOWN WITH BOLD DESIGNATION INDICATE EXISTING ITEMS TO BE RELOCATED OR MODIFIED AS INDICATED. ALL ITEMS INDICATED FOR REMOVAL SHALL BE REMOVED WITH ALL ASSOCIATED HARDWARE AND ACCESSORIES COMPLETE BACK TO SOURCE INCLUDING, BUT NOT LIMITED TO: BOXES, WIRING, CABLES, HANGERS, ETC. ALL CONDUITS RENDERED OBSOLETE FROM THIS WORK SHALL BE REMOVED. ALL FLOOR AND AND WALL PENETRATIONS SHALL BE FILLED AND BROUGHT TO A FINISHED APPEARANCE.
3. IN ALL LOCATIONS WHERE EQUIPMENT AND WIRING IS TO REMAIN, BUT CANNOT BE DISCONNECTED WITHOUT DAMAGE, PROVIDE NEW EQUIPMENT AND HARDWARE AS REQUIRED, TO ENSURE PROPER OPERATIONS.
4. IN ALL SURROUNDING AREAS THAT ARE NOT BEING RENOVATED UNDER THIS CONTRACT, VERIFY THAT ELECTRICAL POWER, LIGHTING, AND SYSTEMS HAVE NOT BEEN AFFECTED BY THE ALTERATIONS. IN LOCATIONS WHERE SYSTEMS ARE AFFECTED, PROVIDE ALL WORK AS REQUIRED TO MAINTAIN PROPER OPERATIONS OF THESE SYSTEMS.
5. THE CONTRACTOR SHALL ARRANGE TO EXECUTE ALL WORK AT SUCH TIMES AND IN SUCH LOCATIONS TO PROVIDE UNINTERRUPTED SERVICES FOR THE BUILDING, OR ANY OF ITS SECTIONS. IF NECESSARY, TEMPORARY WORK SHALL BE INSTALLED TO PROVIDE FOR THIS CONDITION. AUTHORIZATION FOR INTERRUPTING SERVICES SHALL BE OBTAINED IN WRITING FROM THE OWNER.

KEYED NOTES:

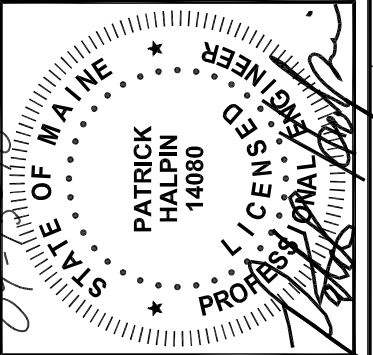
1. REFERENCE SHEET E-102 FOR PANEL "MDP" AND PANEL "LR" MODIFICATION REQUIREMENTS.
2. EXISTING FIXTURES TO BE RELOCATED TO ACCOMMODATE COMPACTOR UPGRADES. REFERENCE SHEET E-102 FOR FURTHER DETAILS.
3. EXISTING COMPACTOR AND ASSOCIATED ELECTRICAL EQUIPMENT TO BE RELOCATED. REFERENCE SHEET E-102 FOR FURTHER DETAILS.
4. EXISTING FUSED DISCONNECT SWITCH TO BE DISCONNECTED AND RELOCATED. COORDINATE FINAL LOCATION WITH OWNER IN THE FIELD, REFERENCE SHEET E-102 FOR FURTHER REQUIREMENTS.

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DESIGNED BY: SH			CHECKED BY: SEH
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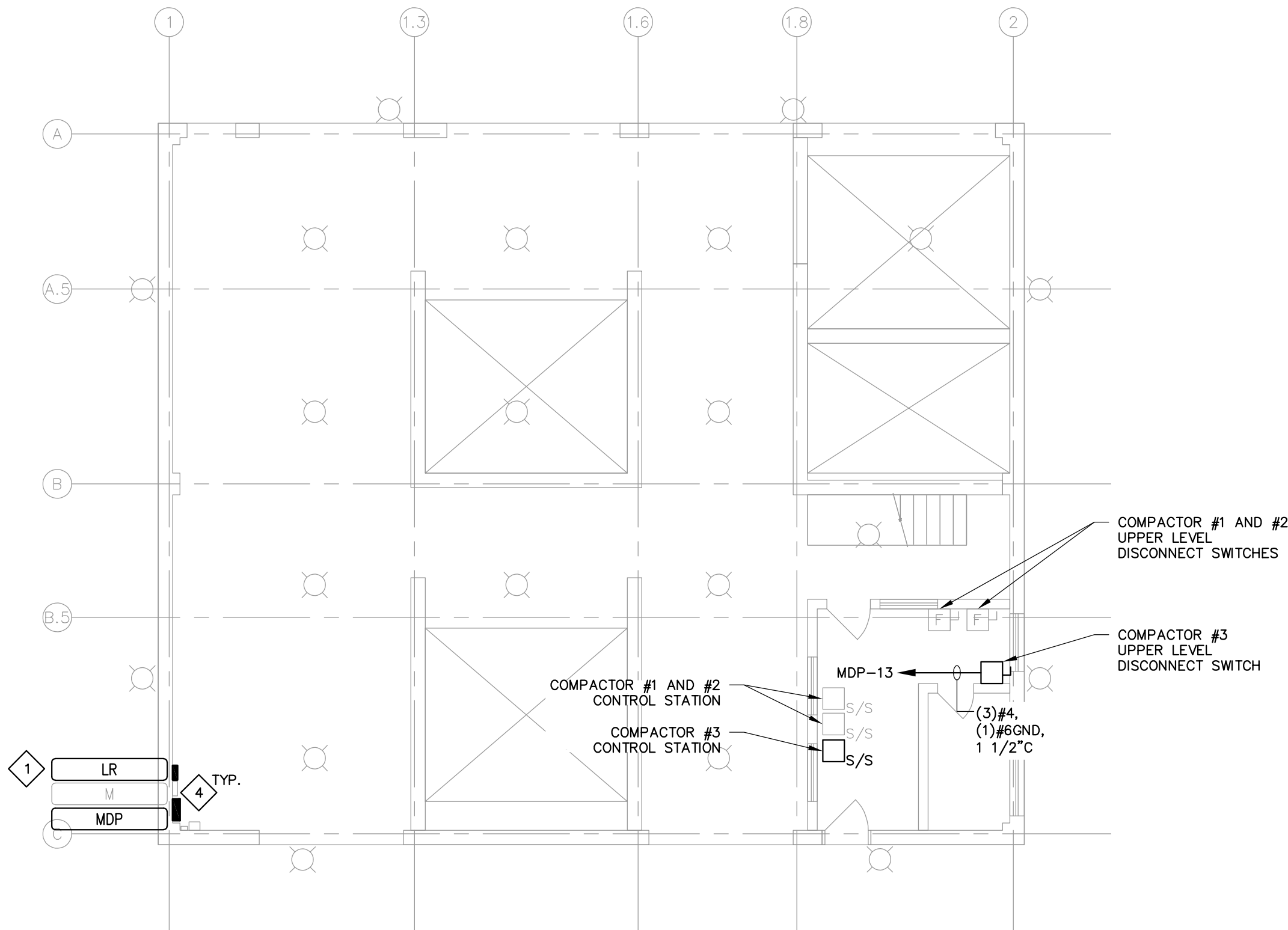
ELECTRICAL DEMOLITION PLANS

CITY OF ROCKLAND
ROCKLAND, MAINE

TRANSFER STATION UPGRADE

JOB NO.: 203966.23
DATE: APRIL 2018
SCALE: AS NOTED
SHEET: 9 OF 10

E-101



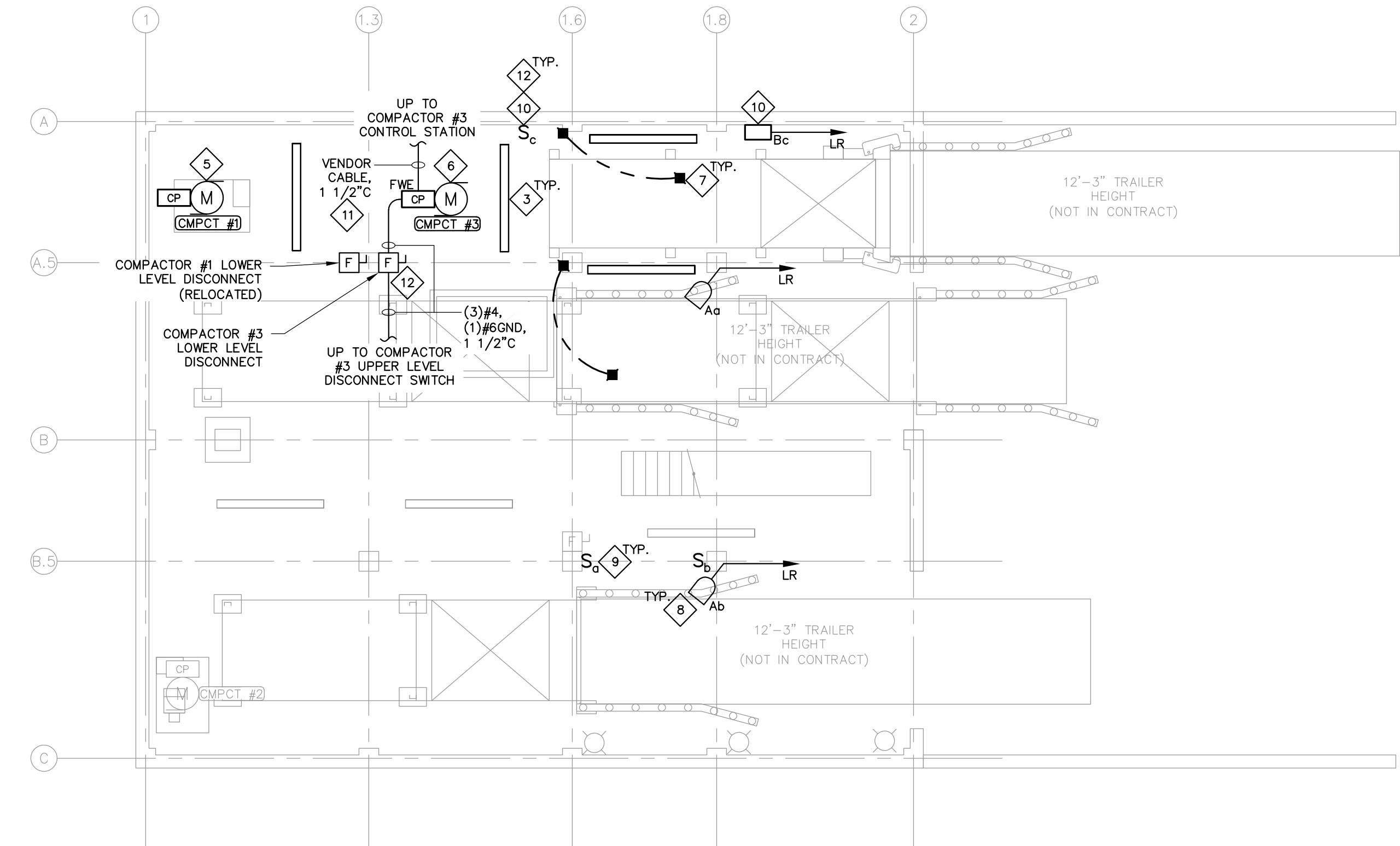
UPPER LEVEL ELECTRICAL PLAN

12' 8' 4' 0' 8' 16'

BAR SCALE

1/8" = 1'-0"

CHECK GRAPHIC SCALE BEFORE USING



LOWER LEVEL ELECTRICAL PLAN

12' 8' 4' 0' 8' 16'

BAR SCALE

1/8" = 1'-0"

CHECK GRAPHIC SCALE BEFORE USING

GENERAL NOTES:

- ALL ITEMS SHOWN WITH LIGHT DESIGNATION INDICATES EXISTING EQUIPMENT TO REMAIN. ALL ITEMS SHOWN WITH BOLD DESIGNATION INDICATE NEW EQUIPMENT TO BE INSTALLED OR EXISTING EQUIPMENT BEING MODIFIED AND/OR RELOCATED.
- EQUIPMENT SHOWN IS DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS AND ADJUST WORK TO SUIT EXISTING CONDITIONS. COORDINATE ALL FINAL PLACEMENT OF EQUIPMENT WITH OWNER IN THE FIELD.
- ALL CONDUIT SHALL BE ROUTED TIGHT TO BUILDING STEEL.
- COORDINATE ALL ELECTRICAL WORK WITH COMPACTOR FURNISHED BY OTHERS.
- DISCONNECT SWITCHES AND OTHER EQUIPMENT ENCLOSURES SHALL BE NEMA 4X STAINLESS STEEL. ENCLOSURES LOCATED IN THE CONTROL ROOM MAY BE NEMA 12.

KEYED NOTES:

- PROVIDE (1) SINGLE POLE 20A CIRCUIT BREAKER IN SPARE SLOT IN PANEL LR FOR NEW COMPACTOR LIGHTING. NEW CIRCUIT BREAKER TO MATCH EXISTING MANUFACTURER MAKE AND MODEL.
- PROVIDE NEW 480V 3 POLE CIRCUIT BREAKER, TO MATCH EXISTING MANUFACTURER MAKE AND MODEL, IN SPACE WITHIN EXISTING PANEL.
- SPICE, EXTEND AND RECONNECT EXISTING CEILING HUNG FIXTURES IN NEW LOCATIONS INDICATED. CONTRACTOR TO FIELD COORDINATE FINAL POSITIONING. PROVIDE NEW STAINLESS STEEL HARDWARE TO ACCOMMODATE INSTALLATION.
- CORE CONCRETE AS REQUIRED FOR CONDUIT. PROVIDE BACKER ROD AND SEALANT AS REQUIRED TO FILL ANNULAR SPACE. SPACE CORES A MINIMUM OF (3) CORE DIAMETERS APART.(TYP)
- SPICE, EXTEND AND RECONNECT ALL ELECTRICAL CONDUIT AND CABLE ASSOCIATED WITH RELOCATED COMPACTOR #1. COORDINATE FINAL LOCATION IN THE FIELD TO ACCOMMODATE RELOCATION OF COMPACTOR. NEW CONDUIT AND CABLE SIZES SHALL MATCH EXISTING.
- COORDINATE ELECTRICAL POWER AND CONTROL INSTALLATION, LOCATION(S) AND CONFIGURATION IN ACCORDANCE WITH COMPACTOR #3 MANUFACTURER WIRING AND CONNECTION REQUIREMENTS. COMPACTOR FURNISHED BY OTHERS.
- BOND COMPACTOR TO BUILDING STEEL WITH 1/0 BARE COPPER GROUND. FIELD COORDINATE CONNECTION LOCATION(S). PROVIDE GROUND LUGS AND HARDWARE TO ACCOMMODATE INSTALLATION.
- PROVIDE FLOODLIGHT FOR FOR ILLUMINATION OF FRONT EDGE OF COMPACTOR. FIELD COORDINATE FINAL INSTALLATION LOCATION OF WITH OWNER IN THE FIELD TO ENSURE APPROPRIATE SURFACES ARE ILLUMINATED. TYP. FOR TWO LIGHT FIXTURES. FIXTURES SHALL BE AIMED AS NEEDED TO ACCOMMODATE APPROPRIATE ILLUMINATION AREA.
- PROVIDE SWITCH FOR EACH COMPACTOR FLOOD LIGHT. COORDINATE FINAL LOCATION IN THE FIELD WITH OWNER. (TYP. FOR TWO)
- COORDINATE PREFERRED WALL PACK AND ASSOCIATED SWITCH LOCATION WITH OWNER IN THE FIELD. COORDINATE CONDUIT SIZE TO ACCOMMODATE VENDOR CABLE FURNISHED WITH THE COMPACTOR.
- PROVIDE 30HP MOTOR RATED FUSED DISCONNECT SWITCH WITH 70A DUAL ELEMENT TIME DELAY FUSE. COORDINATE FINAL FUSE TYPE WITH MANUFACTURER RECOMMENDATIONS.
- LIGHT SWITCHES SHALL BE EXTERIOR RATED, WATERPROOF, SPECIFICATION GRADE, TOGGLE OPERATED, NEMA HEAVY DUTY CLASS, RATED AT 20A, 120/277VAC. COMPLY WITH UL 20 AND NEMA STANDARDS. SWITCH PLATES SHALL BE GALVANIZED STEEL, SMOOTH ROLLED OUTER EDGE SIZED TO FIX BOX.

DIRECTORY	BRKR	POLE	CKT#	KVA	KVA LOADS			KVA	CKT#	POLE	BRKR	DIRECTORY
					A	B	C					
T-1 120/240V	15	3	1	2.00	12.00			10.00	2	3	50	T-2 120/208V
			3	2.00		12.00		10.00	4			
			5	2.00			12.00	10.00	6			
COMPACTOR #2	125	3	7	18.22	36.44			18.22	8	3	125	COMPACTOR #1
			9	18.22		36.44		18.22	10			
			11	18.22			36.44	18.22	12			
COMPACTOR #3	80	3	13	11.10	11.10				14			SPACE
			15	11.10		11.10			16		SPACE	
			17	11.10			11.10		18		SPACE	
SPACE			19		0.00				20			SPACE
SPACE			21			0.00			22			SPACE
SPACE			23				0.00		24			SPACE
SUBTOTAL					59.54	59.54	59.54	SUBTOTAL				
VOLTAGE:	277/480	TOTAL KVA		178.62						PANEL NAME:	MDP	
MAIN BREAKER:	200	TOTAL AMPS		215						LOCATION:	UPPER FLOOR SW CORNER	
BUSES:	200									MOUNTING:	SURFACE	
PH & WIRES:	3PH 4W									AIC RATING:	SEE SPECS	
NOTE: TOTAL KVA AND TOTAL AMPS REPRESENT SYSTEM CONNECTED LOAD. COMPACTORS SHOULD NOT BE OPERATED SIMULTANEOUSLY.												

MDP – PANEL SCHEDULE

LIGHT FIXTURE SCHEDULE						
ALL FIXTURES SHALL BE FURNISHED COMPLETE WITH ALL HARDWARE, LAMPS, HANGERS, FITTINGS, ETC., FOR A COMPLETE AND PROPER INSTALLATION.						
TYPE	MANUFACTURER	CATALOG NUMBER	LAMP TYPE	SYSTEM WATTS	VOLTAGE	MTG.
A	DAMP LOCATION FLOOD LIGHT					
	BEACON OR APPROVED EQUAL	AL-D-35L-136-4K7-5X5-UNV-MM-BBT (FURNISH WITH J-ARM TENON AND MOUNTING PLATE)	LED	80	120	WALL/ COLUMN
B	WALLPACK					
	HUBBELL OR APPROVED EQUAL	LNC4-44L-4K-105-3-U-DB	LED	170	120	WALL
REMARKS/RECOMMENDATIONS						
COORDINATE FINAL LOCATION IN THE FIELD WITH THE OWNER. MOUNT FIXTURE BETWEEN 9'-0" AND 12'-0" AFF, AIMED TOWARD THE FRONT EDGE OF THE ASSOCIATED COMPACTOR.						
COORDINATE FINAL LOCATION IN THE FIELD WITH THE OWNER. MOUNT FIXTURE BETWEEN 10'-0" AND 12'-0" AFF.						

LIGHT FIXTURE SCHEDULE

SCALE: NO SCALE