

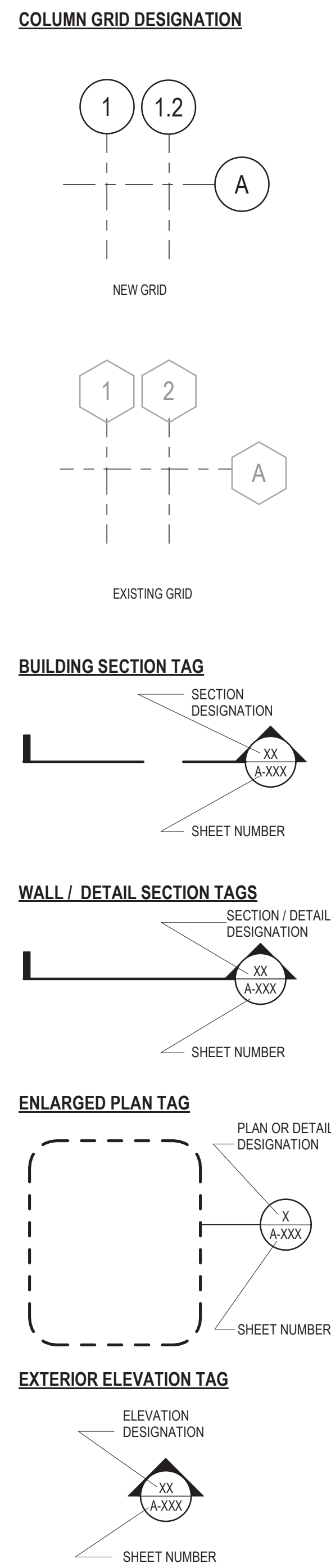
ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL), ARCHITECT
BLDG	BUILDING
CF/CI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED, OWNER INSTALLED
CFMF	COLD-FORMED METAL FRAMING
CG	CORNER GUARD
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
cm	CENTIMETER
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
COORD	COORDINATE
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLISH, DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DS	DOWNSPOUT
DWG	DRAWING
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
EXT	EXTERIOR
FDC	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FACE
FHC	FIRE HOSE CABINET
FIN	FINISH(ED)
FLR	FLOOR
FP	FIRE PROTECTION/ FIREPROOF
FRTW	FIRE RETARDANT TREATED WOOD
FT	FOOT (FEET)
FTG	FOOTING
FURN	FURNISH, FURNITURE
GAGE	GAGE
GALV	GALVANIZED
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GLU LAM	GLUED LAMINATED WOOD
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER
H	HIGH
HD	HUB DRAIN
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HT	HEIGHT
HVAC	HEATING, VENTILATION, AIR CONDITIONING
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
L	LONG, LENGTH
LAM	LAMINATE(D)
LF	LINEAR FOOT, (FEET)
LP	LOW POINT
LVR	LOUVER
M	METER
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
mm	MILLIMETER
MO	MASONRY OPENING
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE

ABBREVIATIONS

OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED, CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED, OWNER INSTALLED
OPH	OPPOSITE HAND
PCC	PRE-CAST CONCRETE
PERF	PERFORATED
PJ	PANEL JOINT
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PT	PAINT
PREFAB	PREFABRICATE(D)
PROJ	PROJECT
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PTD	PAINTED
QTY	QUANTITY
R	RADIUS, RISER
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REINF	REINFORCE, REINFORCING
REQ(D)	REQUIRE, REQUIRED
REV	REVISION
RM	ROOM
RO	ROUGH OPENING
S	SOUTH
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT(FEET)
SIM	SIMILAR
SOP	SETTING OFF POINT
SPEC	SPECIFICATION
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STN	STONE
STRUCT	STRUCTURAL
T	TREAD
T/	TOP OF
T&G	TONGUE & GROOVE
TD	TRENCH DRAIN
TEMP	TEMPORARY
THK	THICK
TYP	TYPICAL
U	HEAT TRANSFER COEFFICIENT
UL	UNDERWRITERS' LABORATORIES
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WEST
W/	WITH
W/O	WITHOUT
WD	WOOD
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

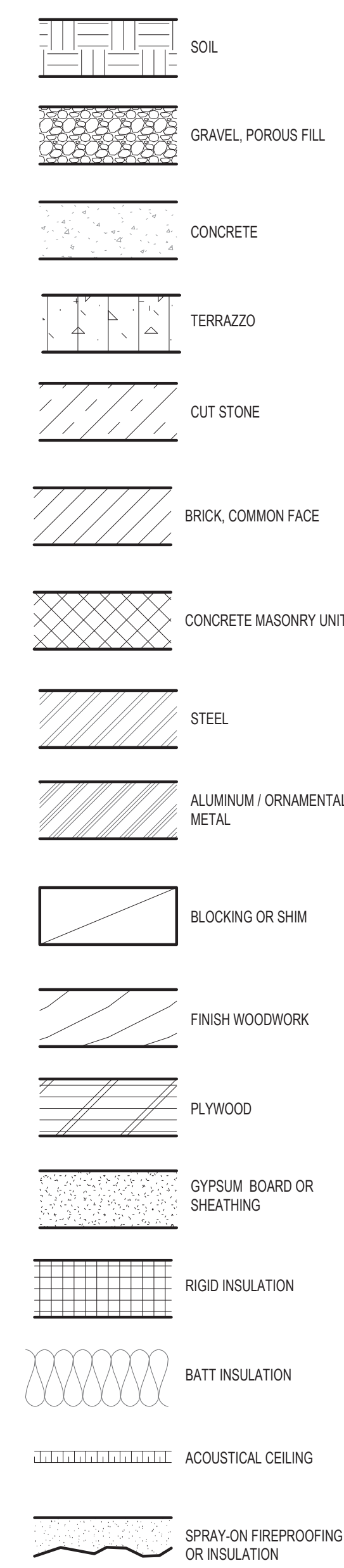
SYMBOLS LEGEND



SYMBOLS LEGEND



MATERIALS AT LARGE SCALES



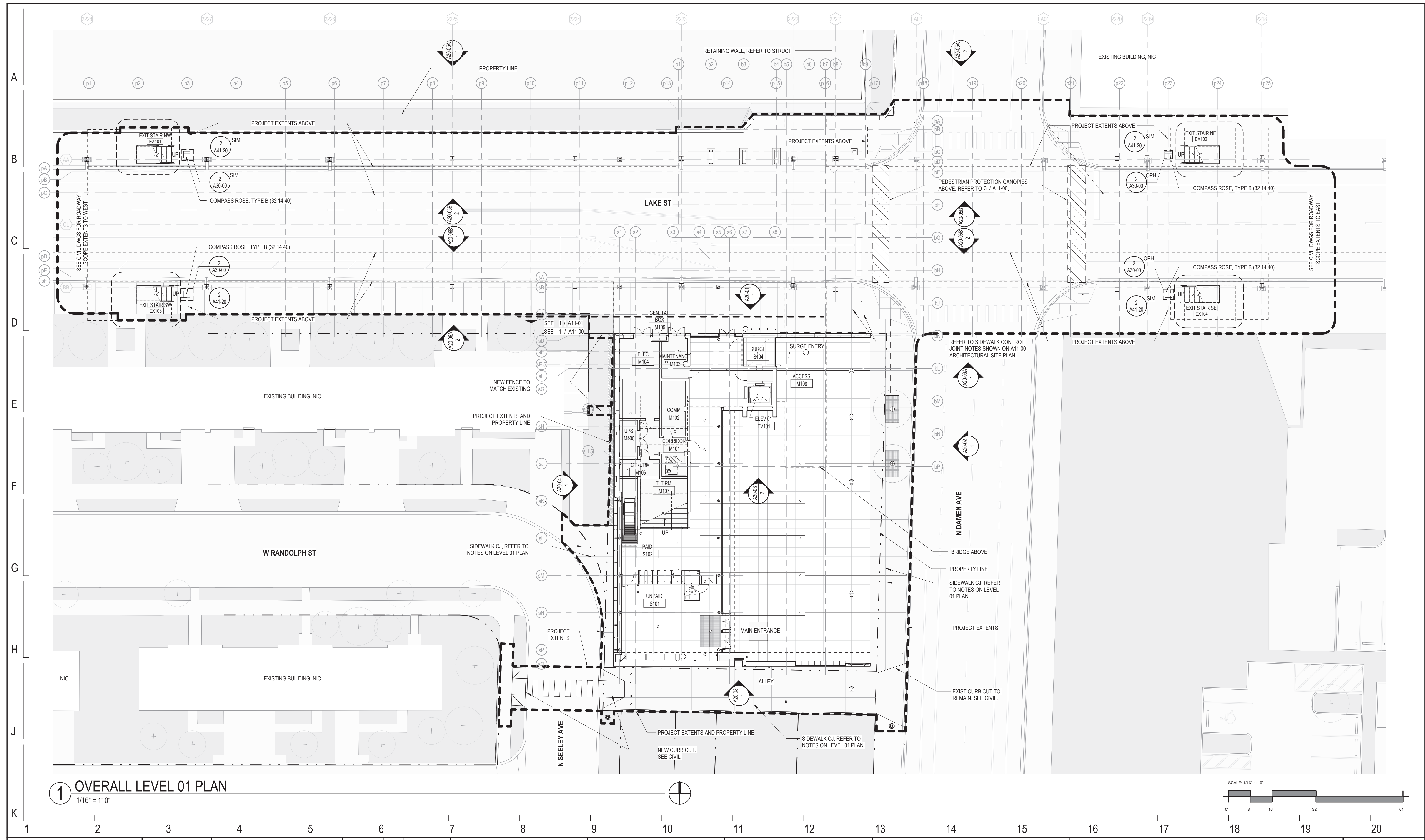
GENERAL NOTES

- REFER TO COMPLETE SET OF ISSUED CONTRACT DOCUMENTS FOR APPLICABLE NOTES, ABBREVIATIONS, AND SYMBOLS.
- THE A-SERIES DRAWINGS ARE ORGANIZED SUCH THAT DRAWING NUMBERS ENDING -00 ARE FOR THE STATION SCOPE OF WORK. DRAWING NUMBERS ENDING -10 ARE FOR THE BRIDGE AND NORTH TOWER SCOPE OF WORK. DRAWING NUMBERS ENDING -20 ARE FOR THE PLATFORM SCOPE OF WORK.
- DO NOT SCALE THE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, OBTAIN CLARIFICATION BEFORE CONTINUING.
- DIMENSIONS SHOWN ON THE FLOOR PLANS FOR NEW CONSTRUCTION ARE TO CENTER LINE OF COLUMNS AND TO FACE OF CONCRETE OR MASONRY WALLS UNLESS OTHERWISE INDICATED.
- FIELD MEASURE AND CONFIRM DIMENSIONS FOR CTA PROVIDED EQUIPMENT AND FURNISHINGS. COORDINATE DELIVERY AND INSTALLATION OF EQUIPMENT. MINIMUM REQUIRED OPENINGS AND ACCESSIBLE ROUTES TO THE INSTALLATION AREA SHALL BE COORDINATED WITH THE SUPPLIER.
- FINISH FLOOR ELEVATIONS ARE TO TOP OF CONCRETE SLAB UNLESS OTHERWISE NOTED.
- COORDINATE EXACT SIZE AND PLACEMENT OF EQUIPMENT BASE AND HOUSEKEEPING PADS WITH EQUIPMENT TO BE PROVIDED.
- LEVEL FLOORS SO THAT THEY DO NOT EXCEED A 1/2" VARIANCE IN A 10'-0" RADIUS.
- PARTITION TYPES AND FIRE RESISTIVE RATINGS INDICATED ON A PARTITION ARE TO BE CONSISTENT FOR THE LENGTH AND HEIGHT OF A PARTITION.
- FLOOR OUTLET LOCATIONS ARE TO BE REVIEWED BY THE COMMISSIONER PRIOR TO INSTALLATION.
- OPENINGS IN A RATED WALL, FLOOR, CEILING AND ROOF ASSEMBLIES SHALL BE SEALED WITH A FIRE RESISTANT JOINT SYSTEMS OR PROTECTED WITH A FIRE RATED CHASE.
- WHERE MATERIALS ARE APPLIED TO, OR ARE IN DIRECT CONTACT WITH WORK INSTALLED BY ANOTHER SUBCONTRACTOR, COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF THE SUBSTRATE AS SUITABLE FOR THE APPLICATION INTENDED.
- ISOLATE DISSIMILAR METALS TO PREVENT GALVANIC CORROSION.
- COORDINATE LOCATION OF SEALANT AND COMPATIBILITY OF SEALANTS WITH ADJACENT WORK, INCLUDING MATERIALS AND OTHER CONTIGUOUS SEALANTS.
- MAINTAIN THE FIRE RATING OF CONSTRUCTION AROUND CABINETS, PANELS, AND BOXES RECESSED IN FIRE RATED WALL, FLOOR, AND CEILING ASSEMBLIES.
- DO NOT HANG (SUPPORT) ANY ITEMS FROM METAL ROOF DECK. IT IS ACCEPTABLE TO ATTACH CEILING SYSTEM WIRE HANGERS FROM JOISTS OR BEAMS. IF NO JOIST OR BEAM IS AVAILABLE, PROVIDE SUPPLEMENTAL STEEL SUPPORTS.
- ALL CONDUIT IN PUBLIC SPACES SHALL BE CONCEALED. CONDUIT IN THESE LOCATIONS SHALL NOT BE SURFACE MOUNTED TO FINISH SURFACES.
- REFER TO A20-01 FOR MATERIAL DESIGNATIONS.

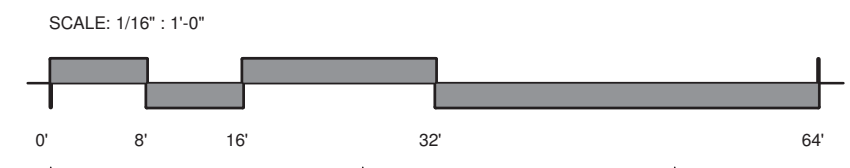
A
B
C
D
E
F
G
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J
K

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

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DRAWN BY:												ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES	DRAWING NO. A00-01	
CHECKED BY:														
APPROVED BY:			01/27/2020	ISSUE FOR BID	BS	AS	JH							
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1 OVERALL LEVEL 01 PLAN
1/16" = 1'-0"



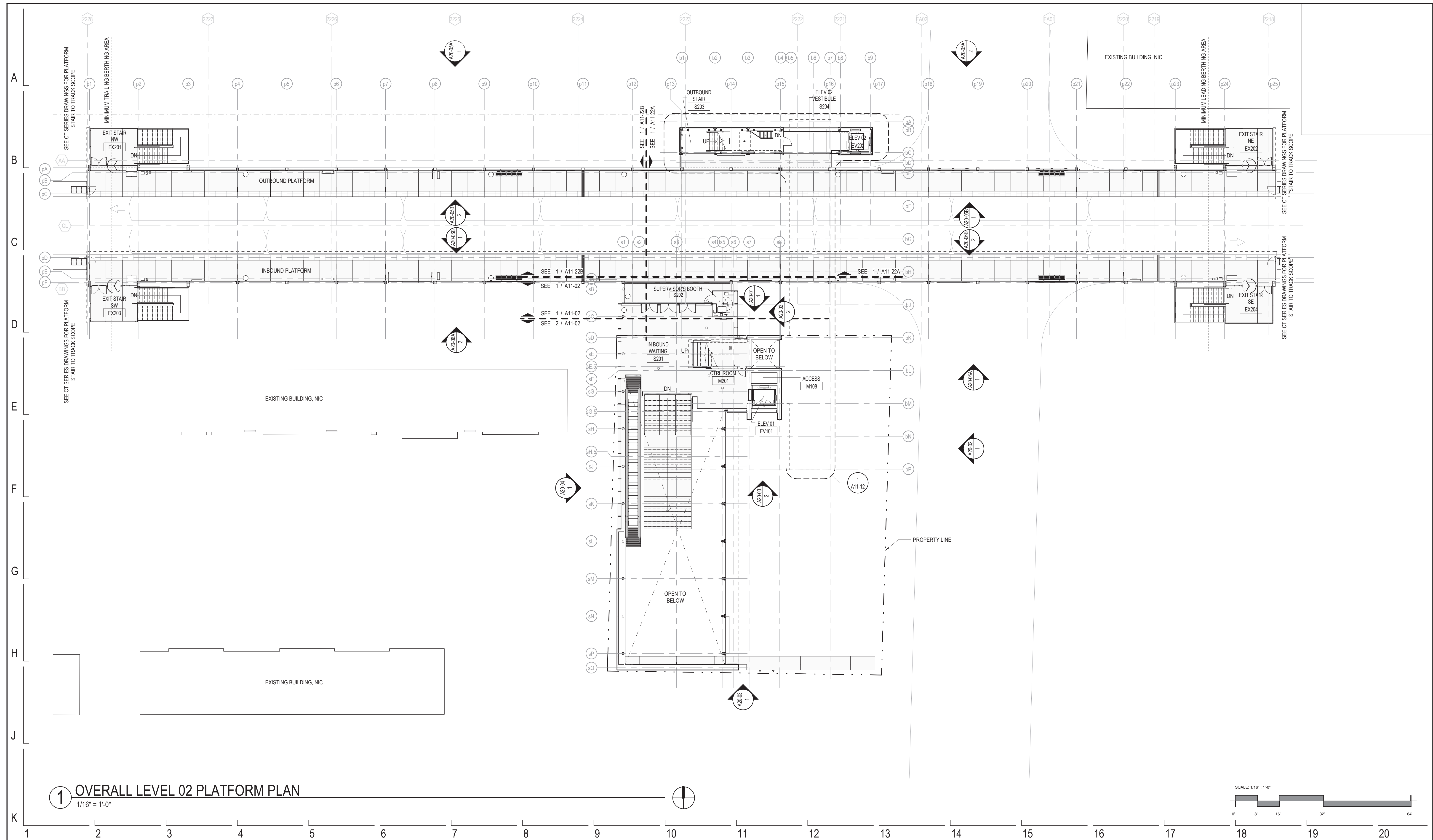
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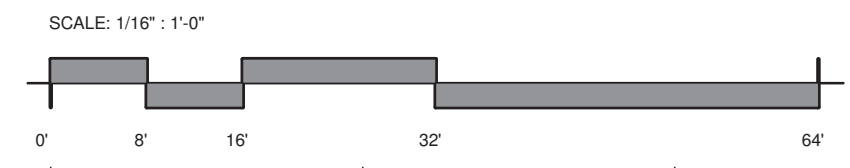
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
OVERALL LEVEL 01 PLAN
CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
DRAWING NO.
A10-01
REVISION NO.



1 OVERALL LEVEL 02 PLATFORM PLAN
1/16" = 1'-0"



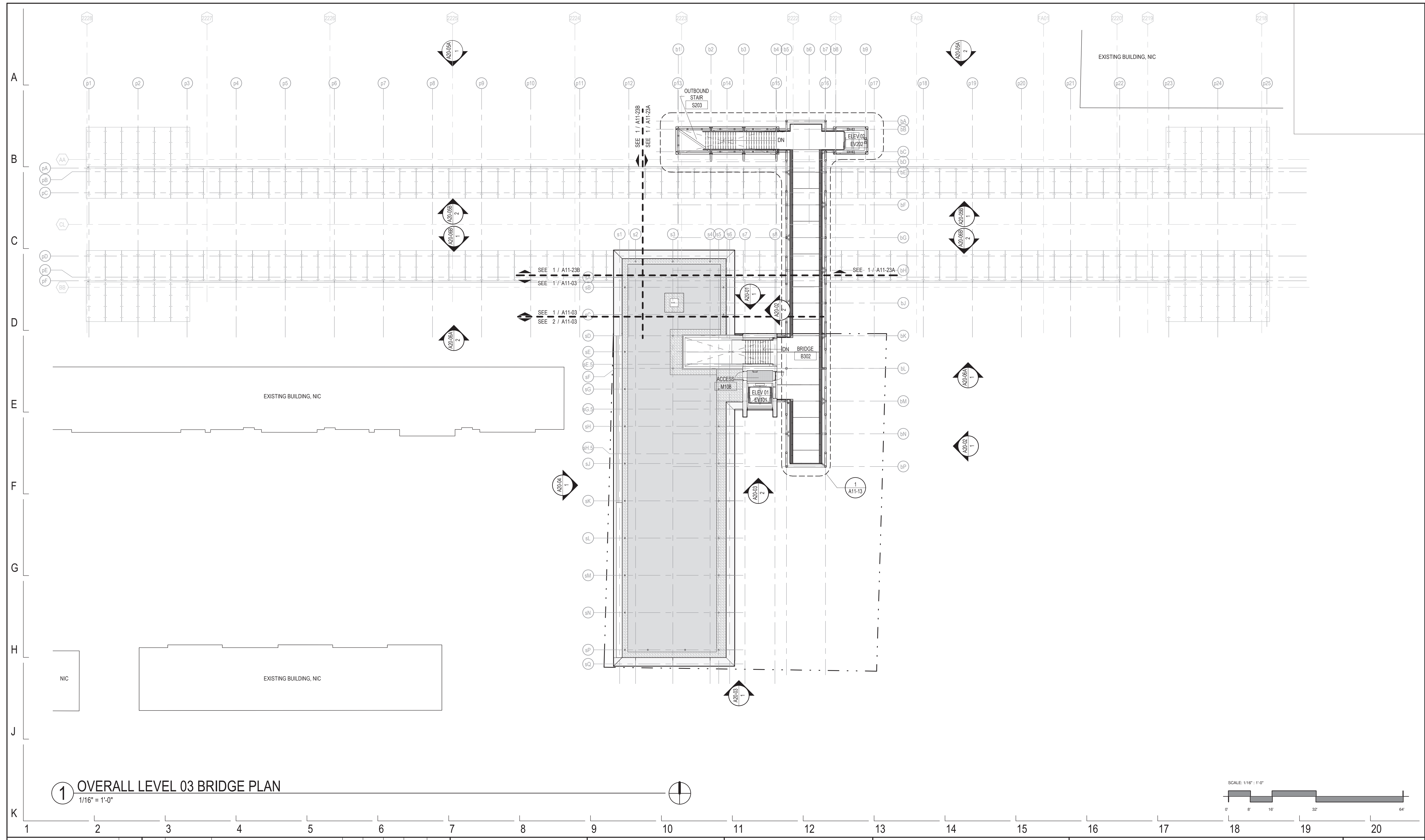
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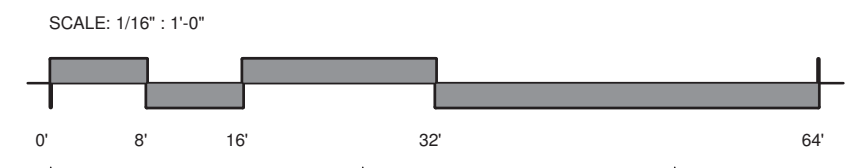
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OVERALL LEVEL 02 - PLATFORM PLAN
CDOT PROJECT D-7-135 DATE: 01/27/2020

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REVISION NO.



1 OVERALL LEVEL 03 BRIDGE PLAN
 1/16" = 1'-0"



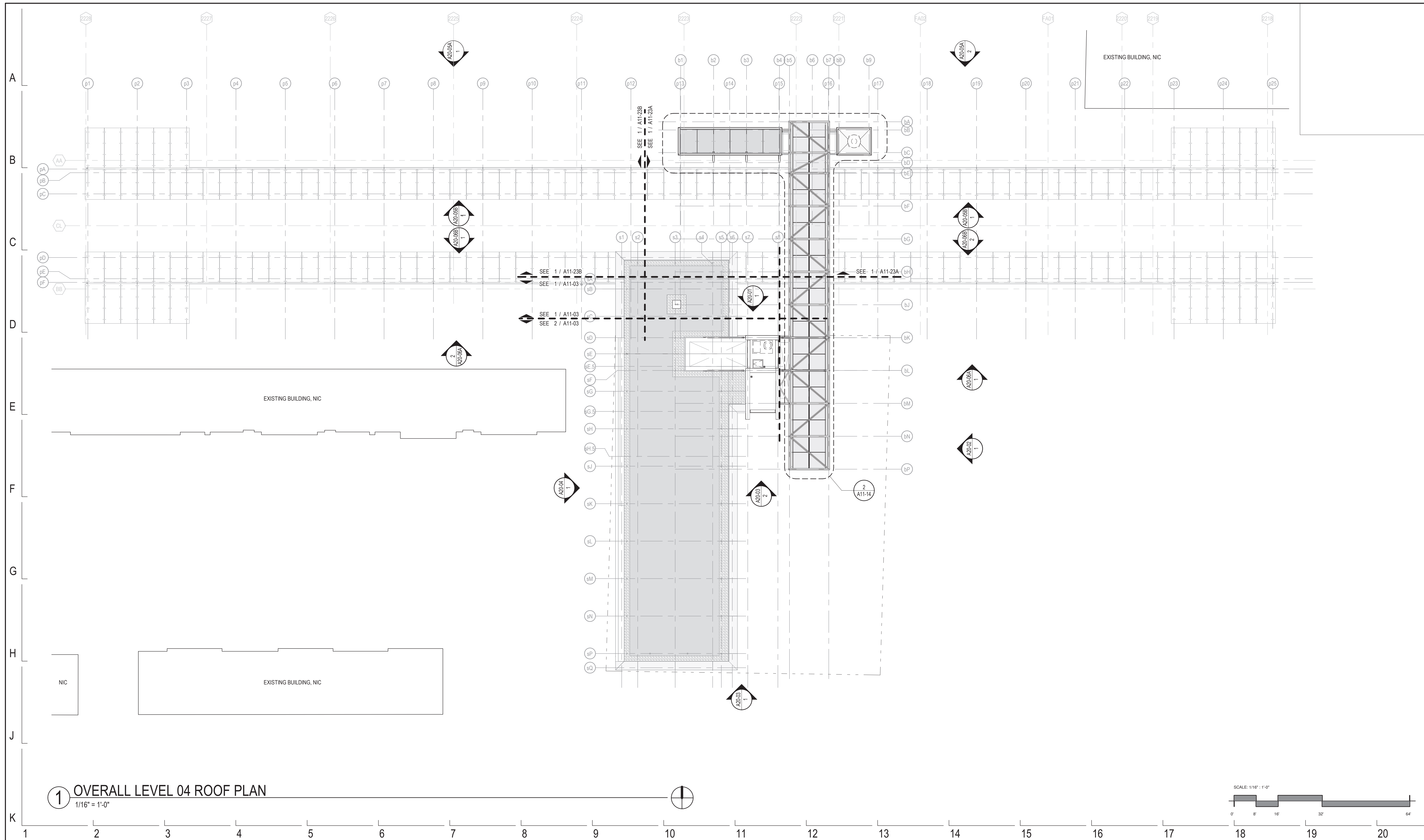
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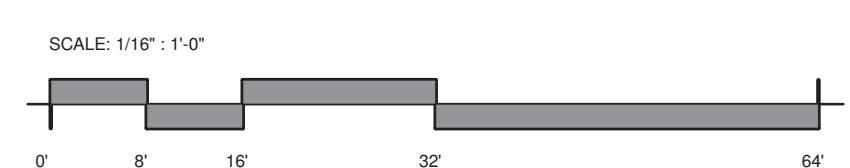
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
OVERALL LEVEL 03 - BRIDGE PLAN
 CDOT PROJECT D-7-135 DATE: 01/27/2020

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1 OVERALL LEVEL 04 ROOF PLAN
1/16" = 1'-0"



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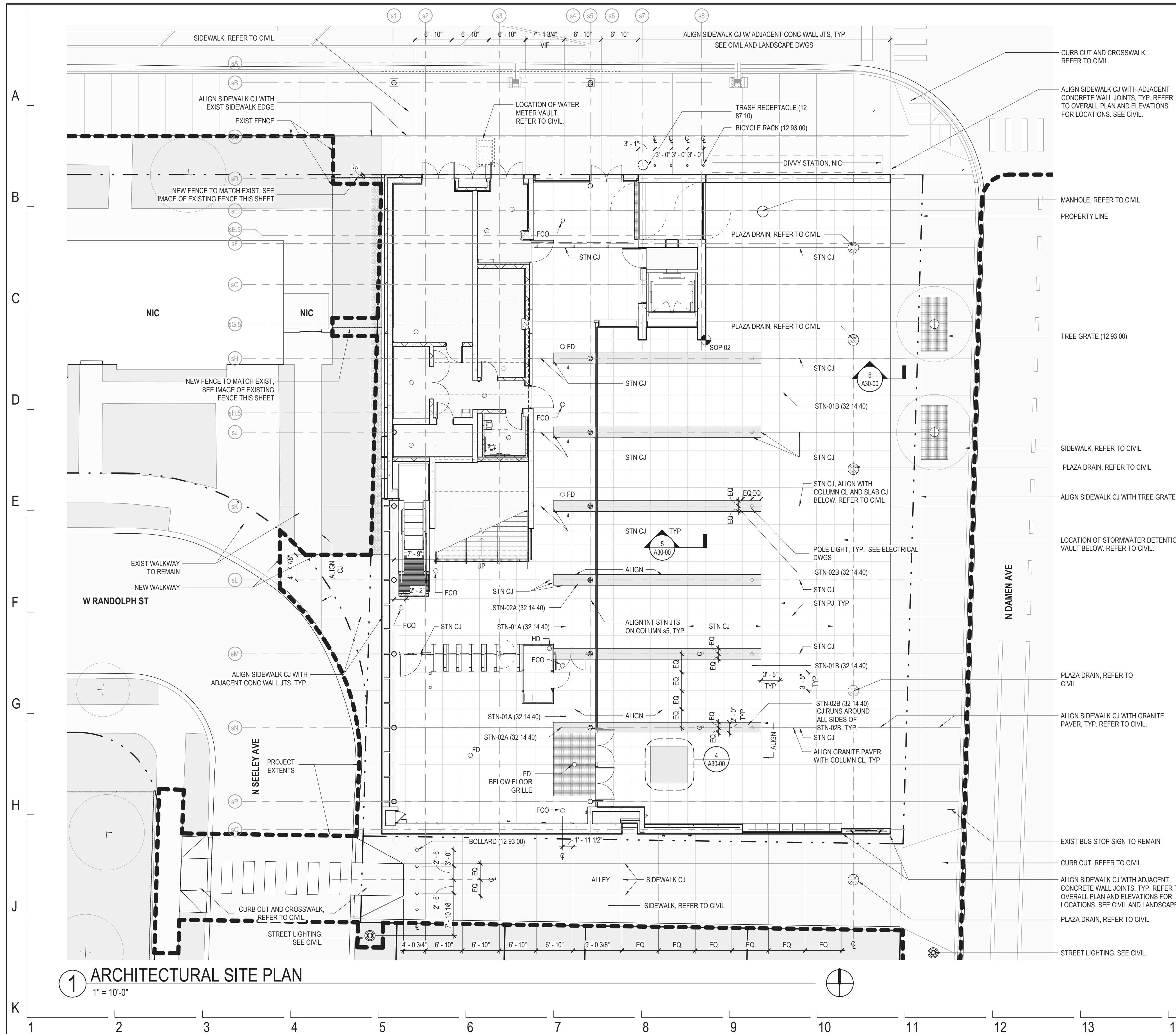
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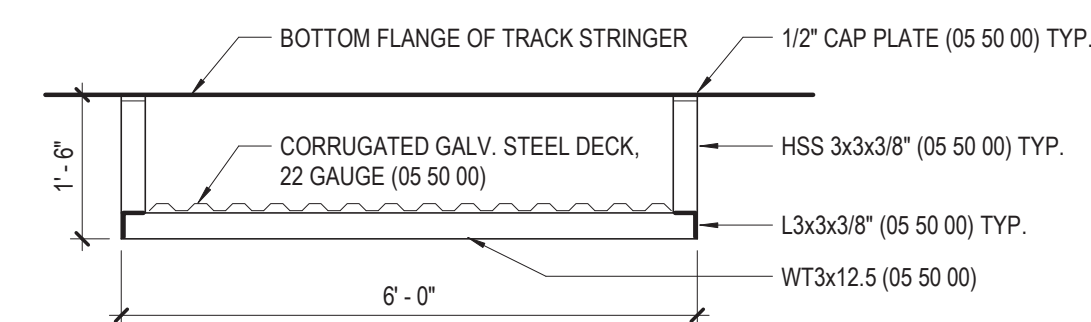
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OVERALL ROOF PLAN
 CDOT PROJECT D-7-135 DATE: 01/27/2020

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A10-04
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1 ARCHITECTURAL SITE PLAN
1" = 10'-0"

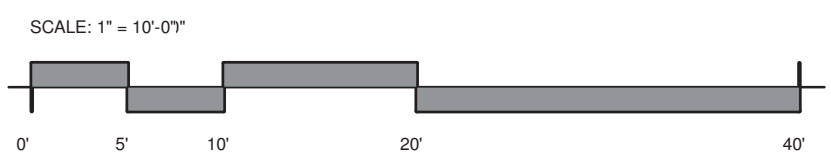
3 PEDESTRIAN CANOPY DETAIL
1/2" = 1'-0"



2 EXISTING FENCE
NOT TO SCALE

SITE PAVING NOTES	
1.	REFER TO A30-00 FOR TYP STONE PAVING DETAILS.
2.	FOR STN-01A, ALIGN CENTERLINE OF JOINTS WITH GRIDLINES sH THRU sP AND s5. FOR STN-01B, ALIGN CENTERLINE OF JOINTS WITH GRIDLINES sH THRU sP AND SOP 02. FOR STN-02A AND STN-02B, ALIGN JOINTS AS SHOWN ON PLAN.
3.	EXPANSION JOINTS IN PLAZA SLAB ON GRADE SHALL ALIGN WITH GRANITE PAVER CONTROL JOINTS, UNO. REFER TO CIVIL DRAWINGS.
4.	GRANITE PATTERN SHALL EXTEND TO EDGE OF CONCRETE.
5.	NO PIECE OF GRANITE SHALL BE LESS THAN 6" IN THE NARROW DIRECTION. ENLARGE THE ADJACENT PIECE OF GRANITE.
6.	REFER TO OVERALL ELEVATIONS FOR GRANITE CURB LOCATIONS AND NOTES.
7.	REFER TO A10-01 FOR COMPASS ROSE, TYPE 'B' LOCATIONS.
8.	REFER TO A11-01 AND PLUMBING DRAWINGS FOR INTERIOR FLOOR AND TRENCH DRAIN LOCATIONS.
9.	REFER TO A11-01 FOR ADDITIONAL INFORMATION ON INTERIOR SCOPE, NOT RELATED TO GRANITE FLOOR FINISHES.
10.	FLOOR DRAINS AND FLOOR CLEAN OUTS AT GRANITE PAVING ARE TO BE CENTERED ON THE GRANITE TILE THEY ARE LOCATED IN. COORDINATE WITH PLUMBING LOCATIONS.
11.	REFER TO A41, A42, AND A43 SERIES DRAWINGS FOR REQUIRED SLOPES TO DRAINS.
12.	PROVIDE COMPRESSIBLE FILLER, BACKER ROD, AND ELASTOMETRIC SEALANT ISOLATION JOINT AT ALL LOCATIONS WHERE PAVING DIRECTLY ABUTS THE STRUCTURE AND SITE APPURTENANCES.

STONE PAVING TYPES (32 14 40)	
STN-01A	INTERIOR GRANITE PAVER (FIELD)
STN-01B	EXTERIOR GRANITE PAVER (FIELD)
STN-02A	INTERIOR GRANITE PAVER (ACCENT)
STN-02B	EXTERIOR GRANITE PAVER (ACCENT)



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

ARCHITECTURAL SITE PLAN

CDOT PROJECT D-7-135

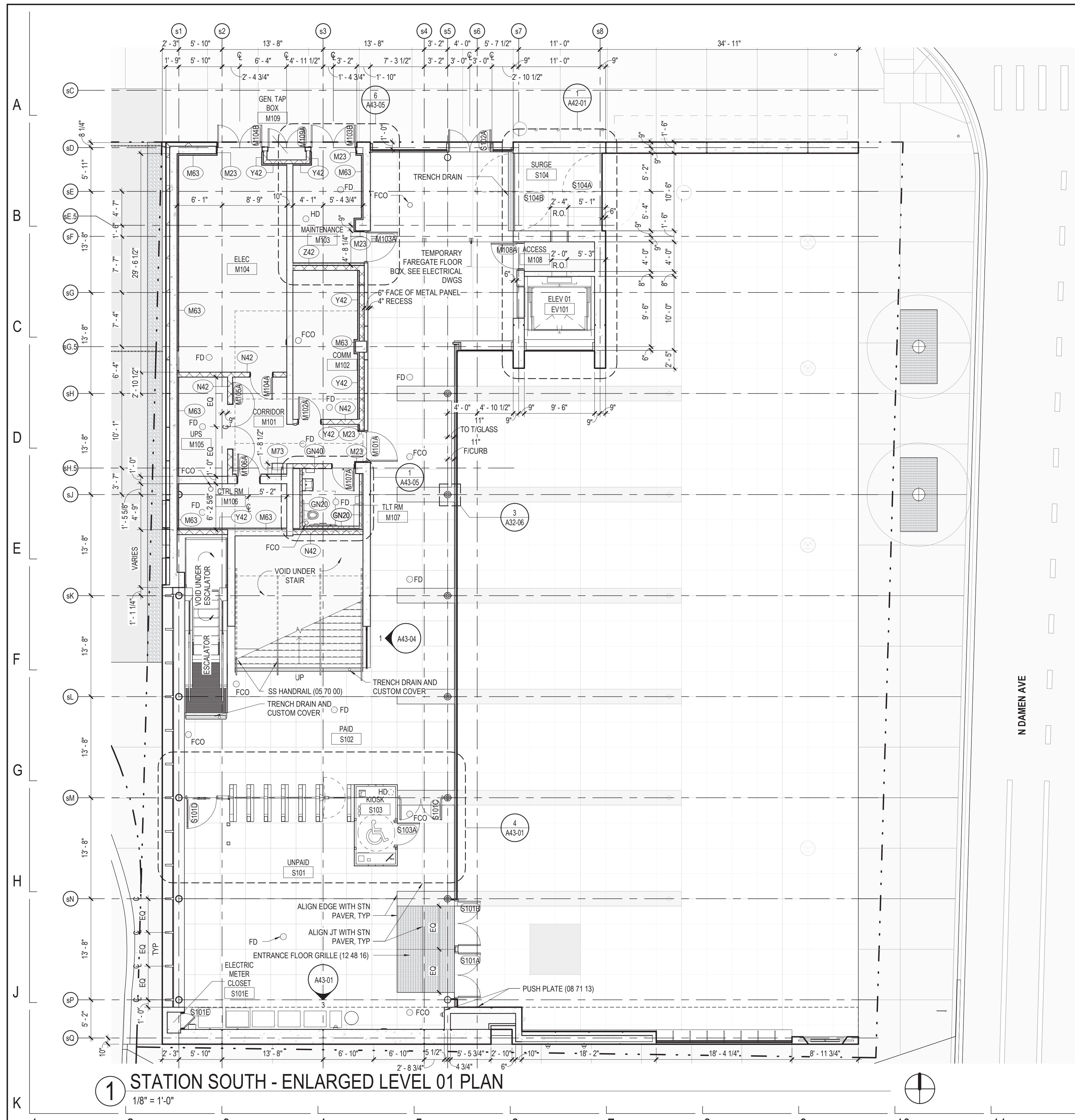
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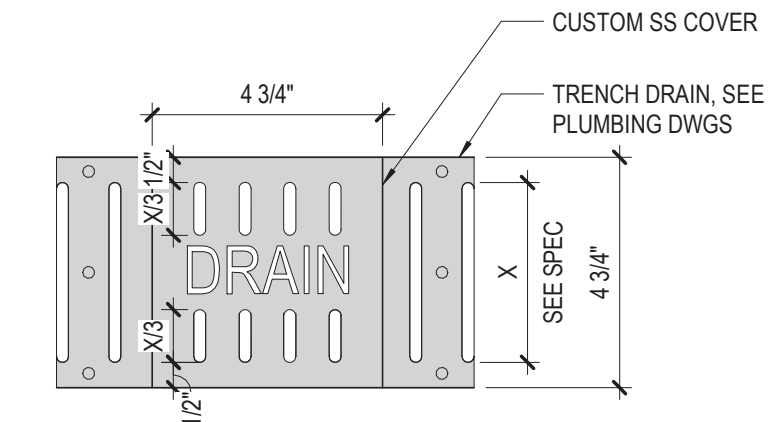
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A11-00

REVISION NO.

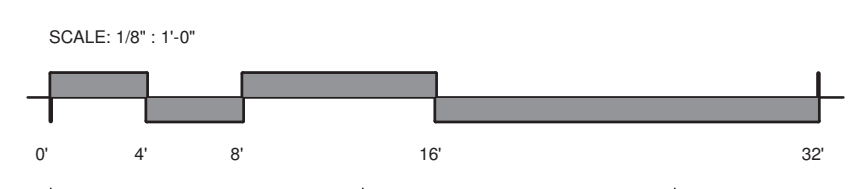


1 STATION SOUTH - ENLARGED LEVEL 01 PLAN
1/8" = 1'-0"

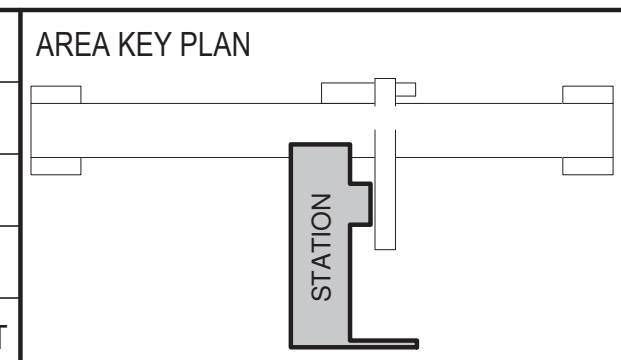


2 CUSTOM DRAIN COVER DETAIL
3" = 1'-0"

- PLAN NOTES**
1. PLAN NOTES SHOWN ON THIS SHEET APPLY TO ALL A11-SERIES SHEETS.
 2. REFER TO G-SERIES DRAWINGS FOR GENERAL PROJECT NOTES AND GEOMETRY PLAN.
 3. REFER TO A20-01 FOR MATERIAL DESIGNATIONS.
 4. DIMENSIONS AT CURTAIN WALLS ARE TO OUTSIDE FACE OF GLASS. DIMENSIONS AT EWS-03A ARE TO OUTSIDE FACE OF GLASS AT THE TOP OF GLASS PANEL.
 5. DIMENSIONS AT CONCRETE WALLS ARE TO FACE OF CONCRETE.
 6. CMU WALLS ADJACENT TO CONCRETE WALLS SHALL ALIGN WITH THE OUTSIDE FACE OF CONCRETE WALL. SEE DETAIL ON A62-50.
 7. INTERIOR PAVING INFORMATION IS INDICATED ON A11-00.
 8. ALIGN CENTERLINE OF METAL PANEL JOINTS WITH CENTERLINE OF CURTAIN WALL JOINTS. REFER TO WEST ELEVATION ON A20-04.
 9. ALIGN CENTERLINE OF METAL PANEL WALL JOINTS WITH CENTERLINE OF METAL PANEL CEILING JOINTS. REFER TO NORTH ELEVATION ON A20-01 FOR DIMENSIONS.



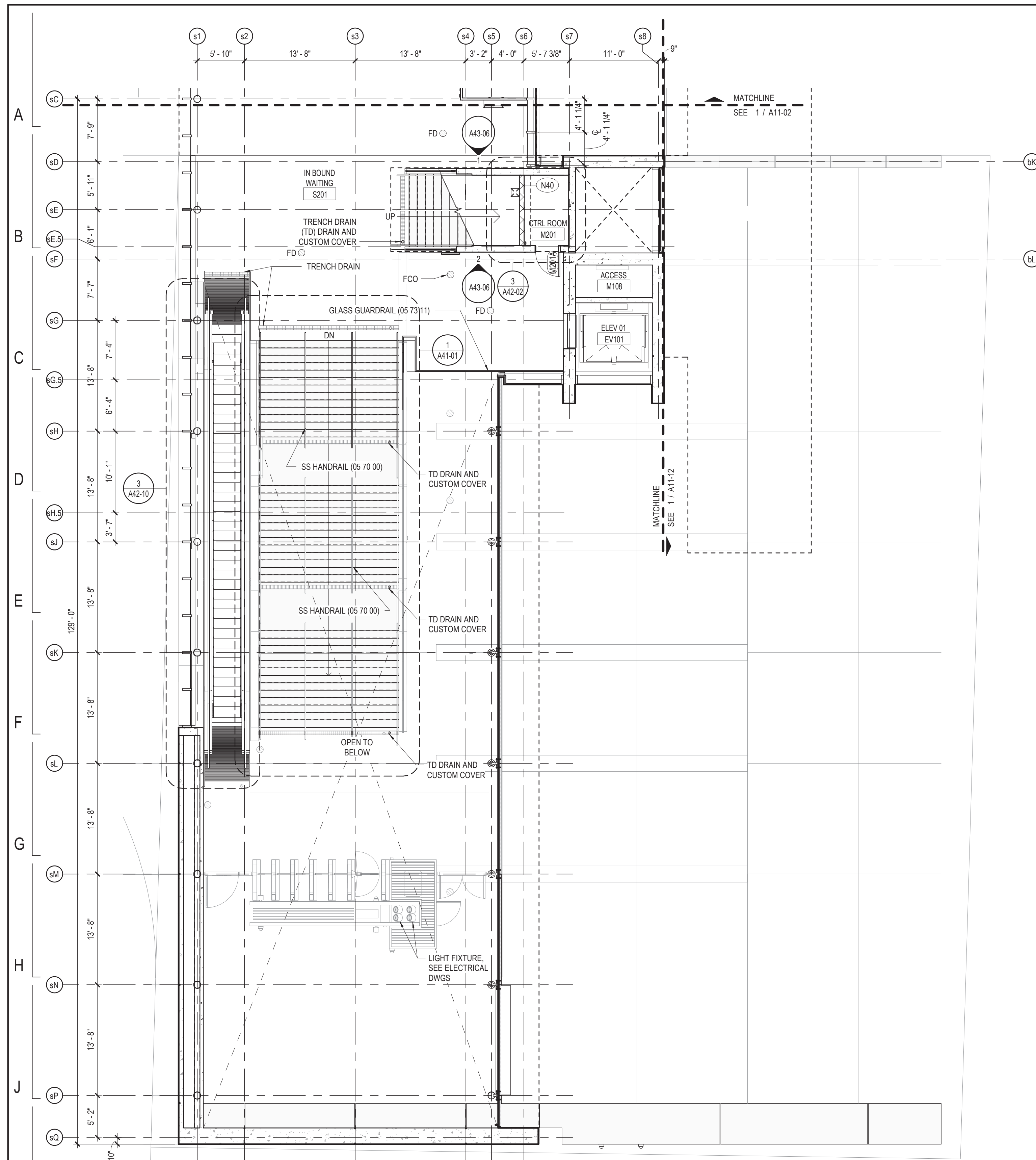
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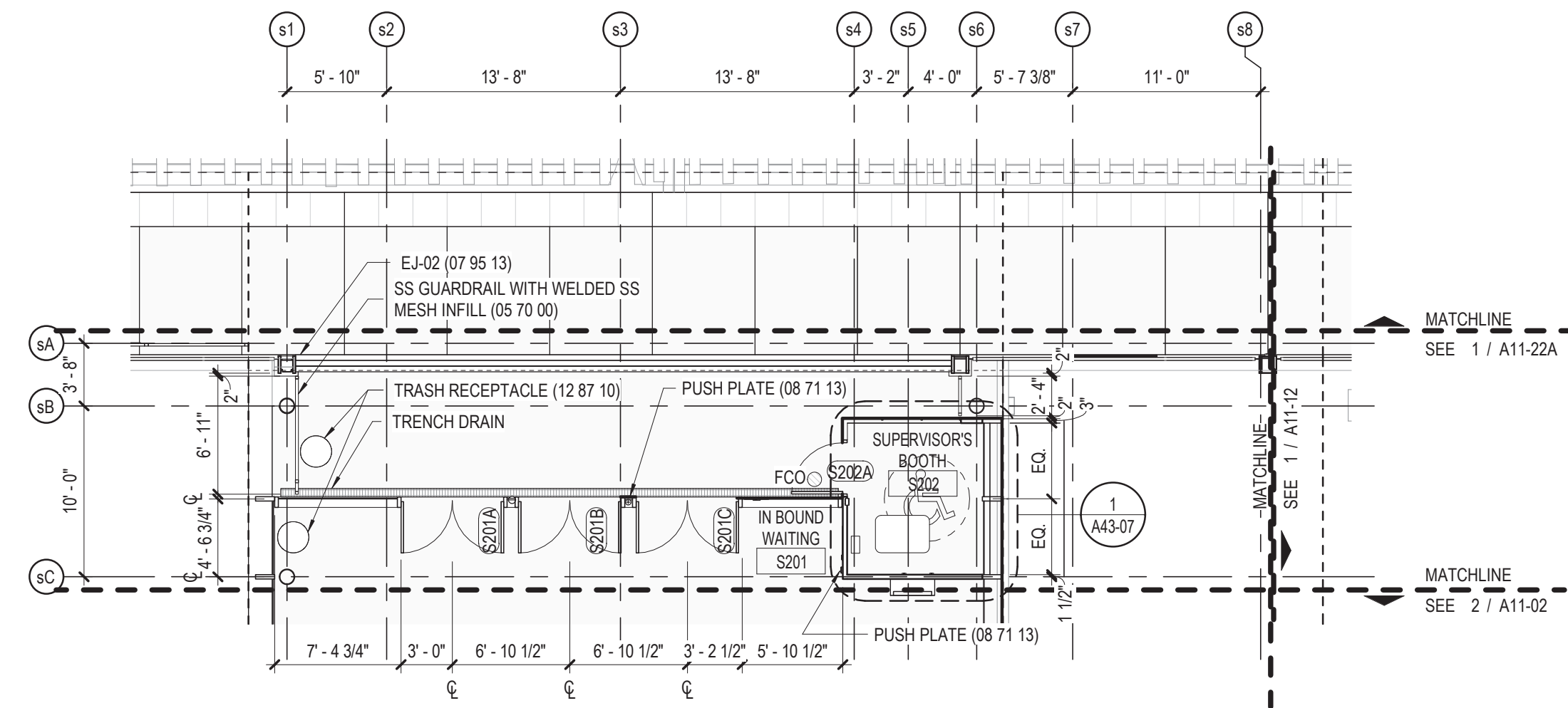
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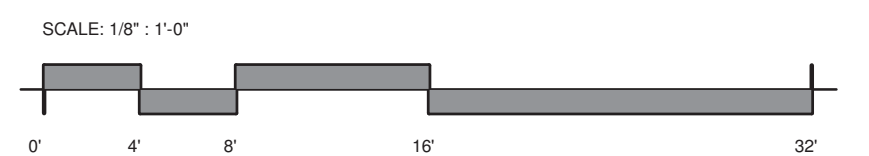
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
STATION ENLARGED LEVEL 01 PLAN		DRAWING NO. A11-01
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



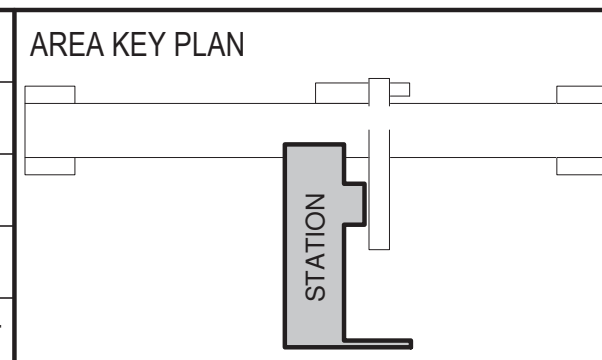
② STATION SOUTH - LEVEL 02 PLATFORM PLAN
1/8" = 1'-0"



① STATION NORTH - LEVEL 02 PLATFORM PLAN
1/8" = 1'-0"



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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

STATION ENLARGED LEVEL 02 PLAN

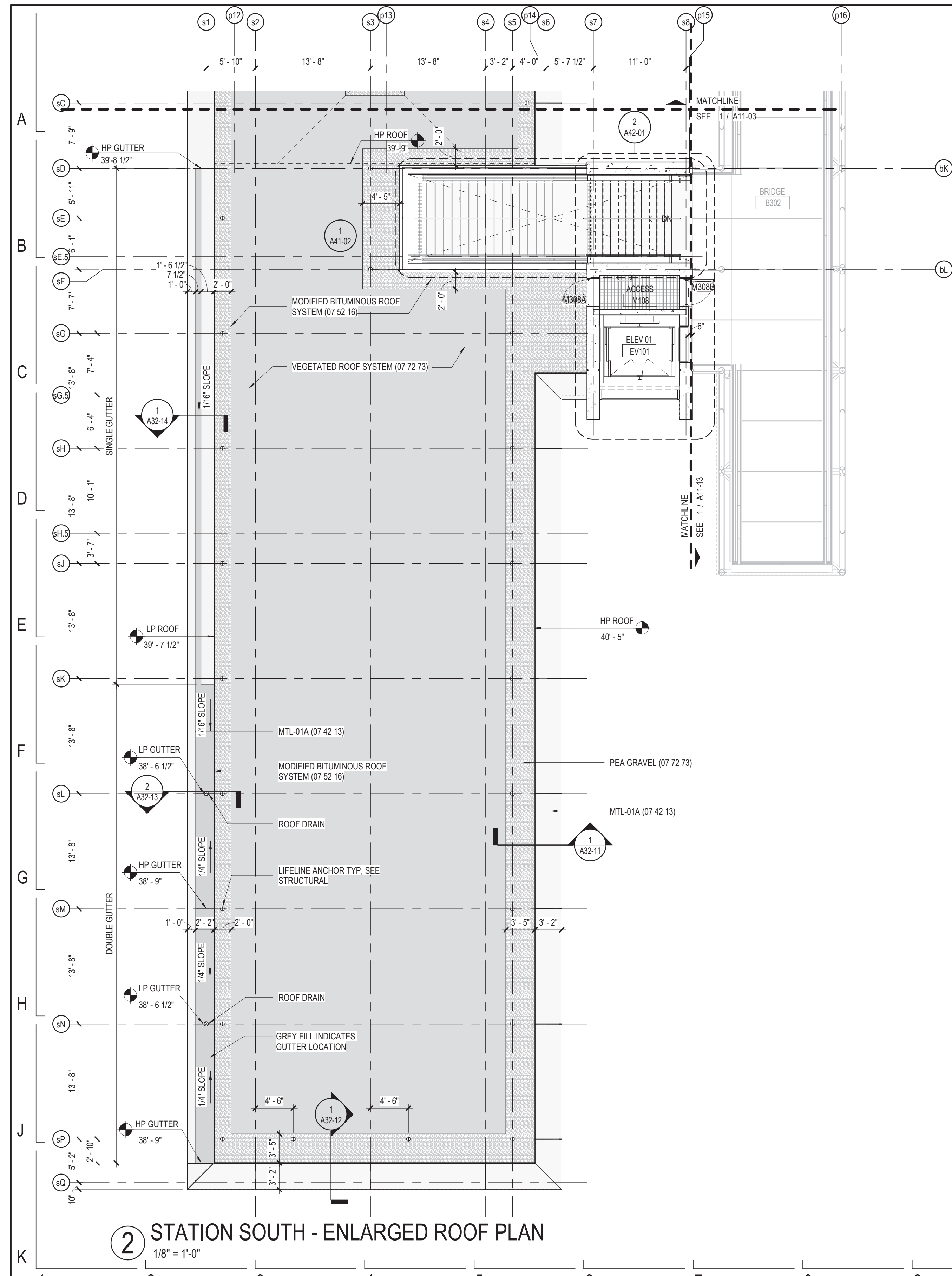
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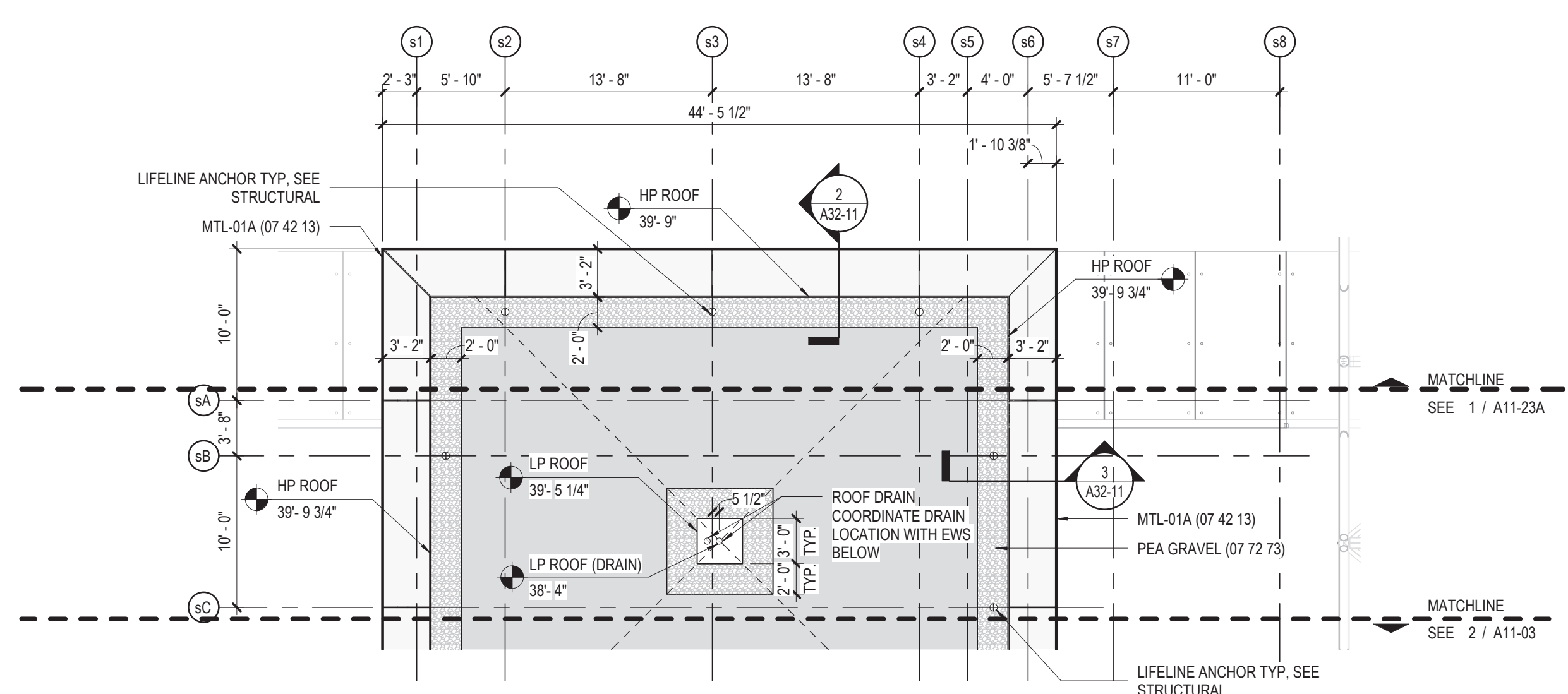
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DRAWING NO.
A11-02

REVISION NO.



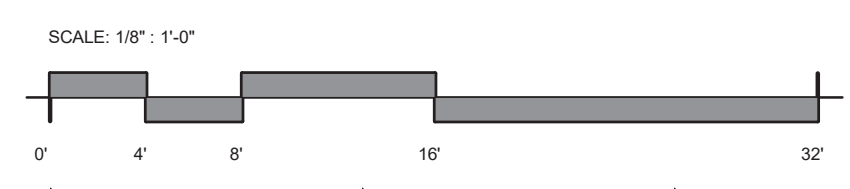
2 STATION SOUTH - ENLARGED ROOF PLAN
1/8" = 1'-0"



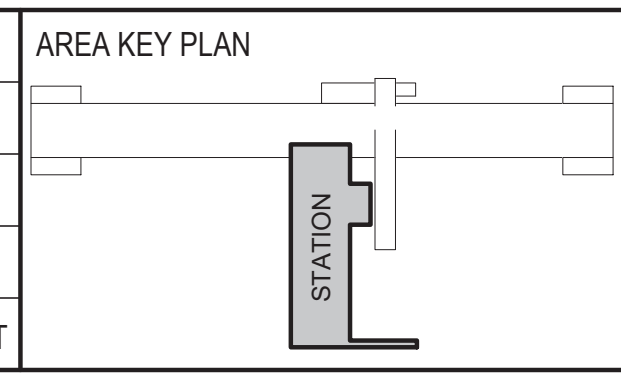
1 STATION NORTH - ENLARGED ROOF PLAN
1/8" = 1'-0"

ROOF NOTES

1. SEE ELEVATIONS FOR JOINTS OF EXTERIOR METAL PANEL. ALIGN CENTERLINE OF METAL PANEL JOINT WITH CENTERLINE OF CURTAIN WALL GLASS OR MULLION.



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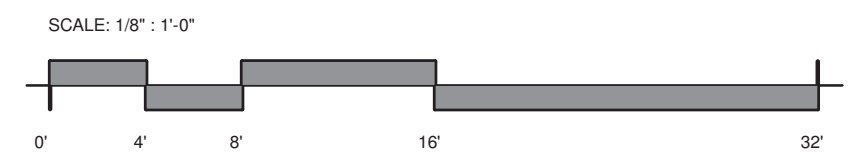
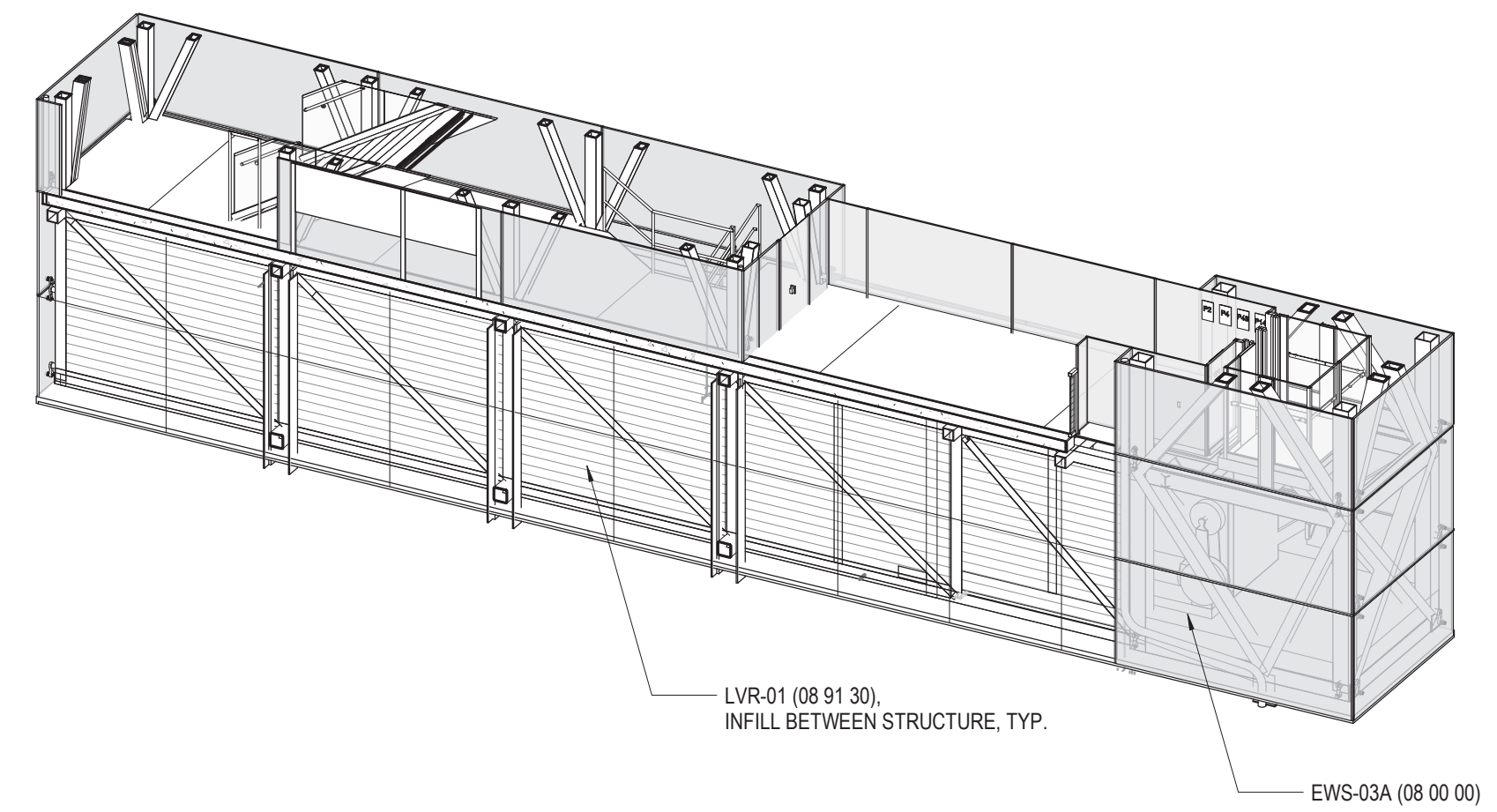
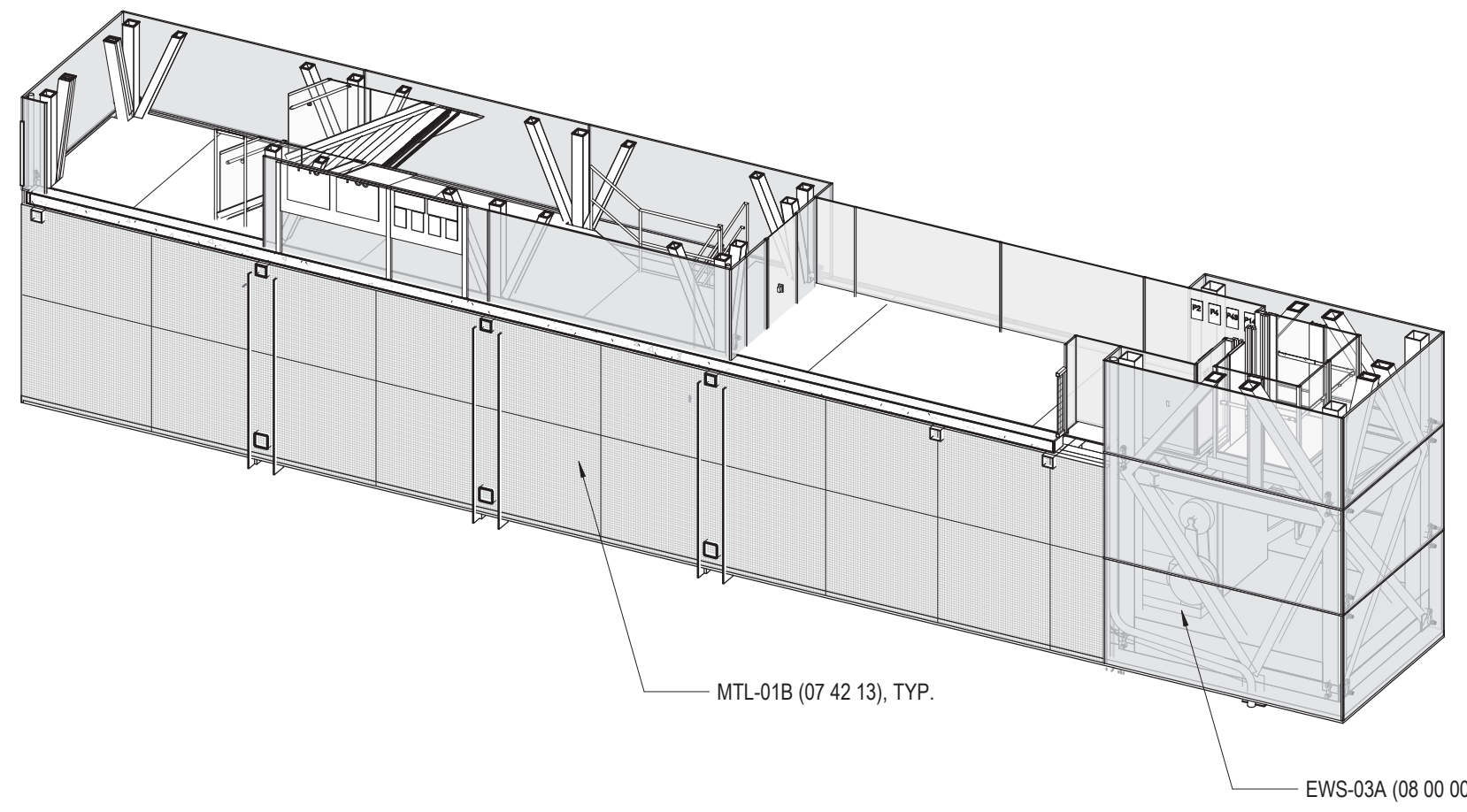
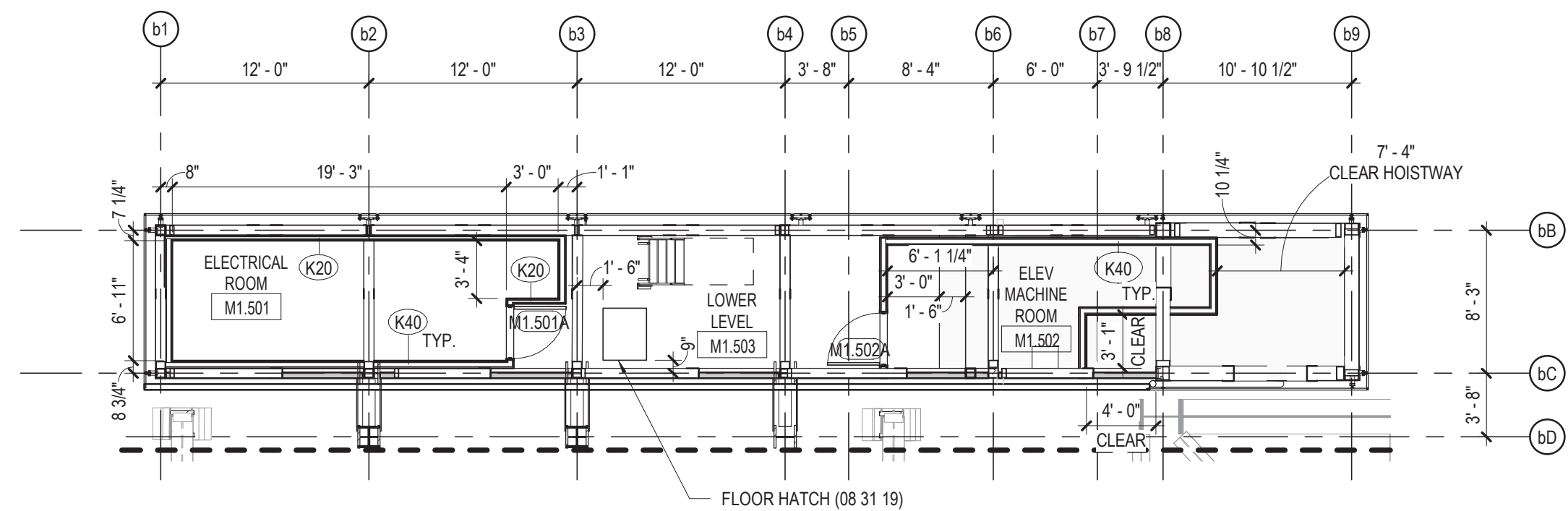
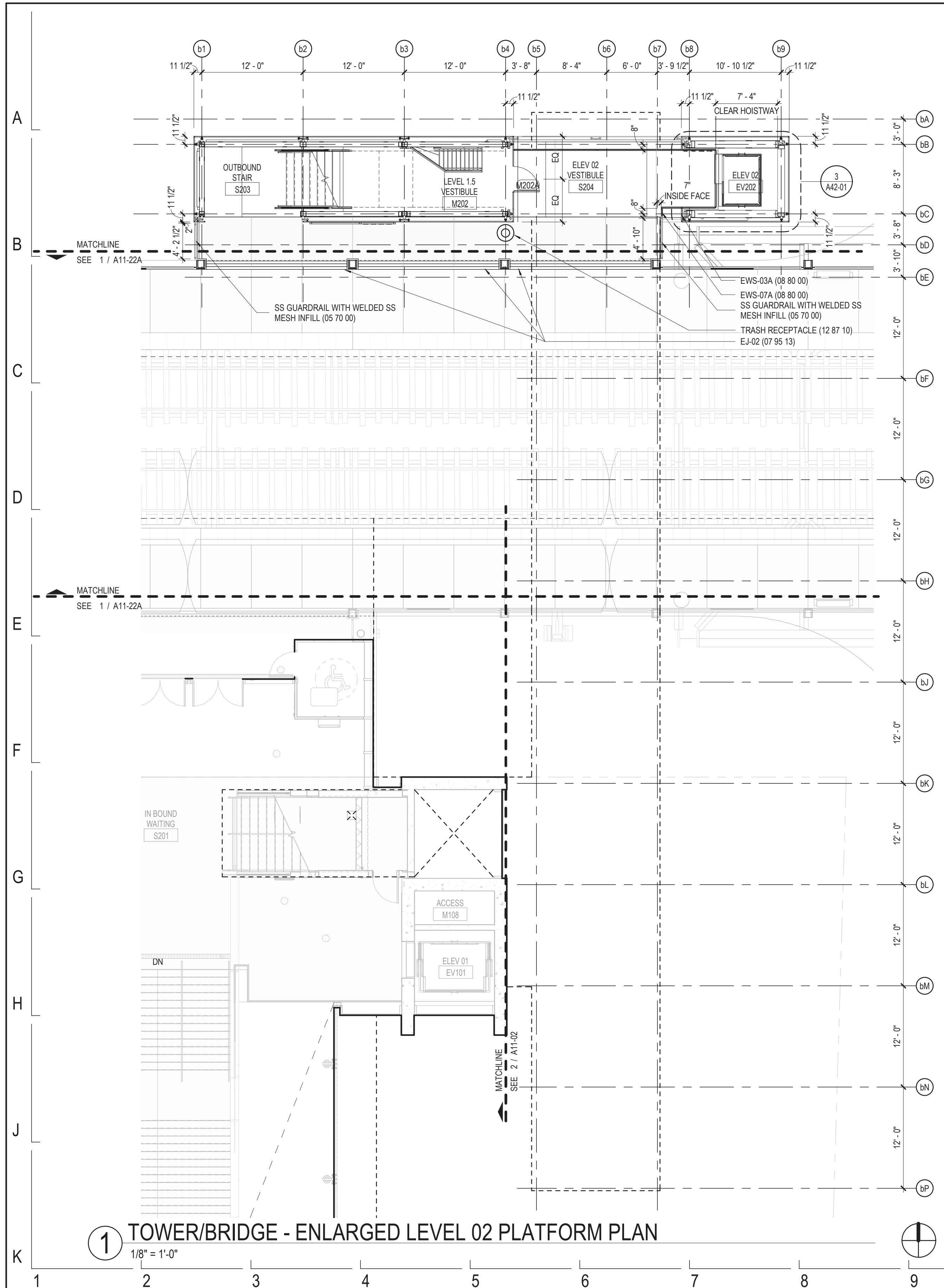
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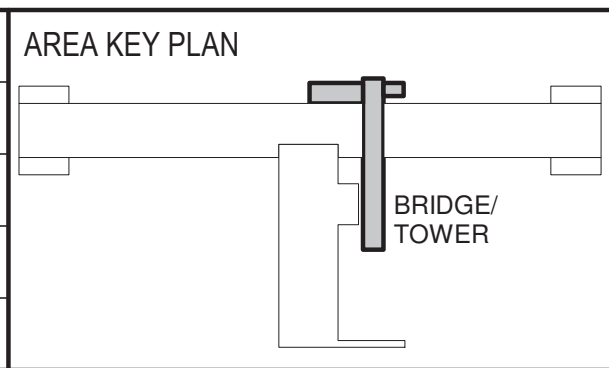
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
STATION ENLARGED ROOF PLAN		DRAWING NO. A11-03
CDOT PROJECT D-7-135	DATE: 09/29/20	REVISION NO.



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

TOWER/BRIDGE ENLARGED LEVEL 02 PLAN

CDOT PROJECT D-7-135

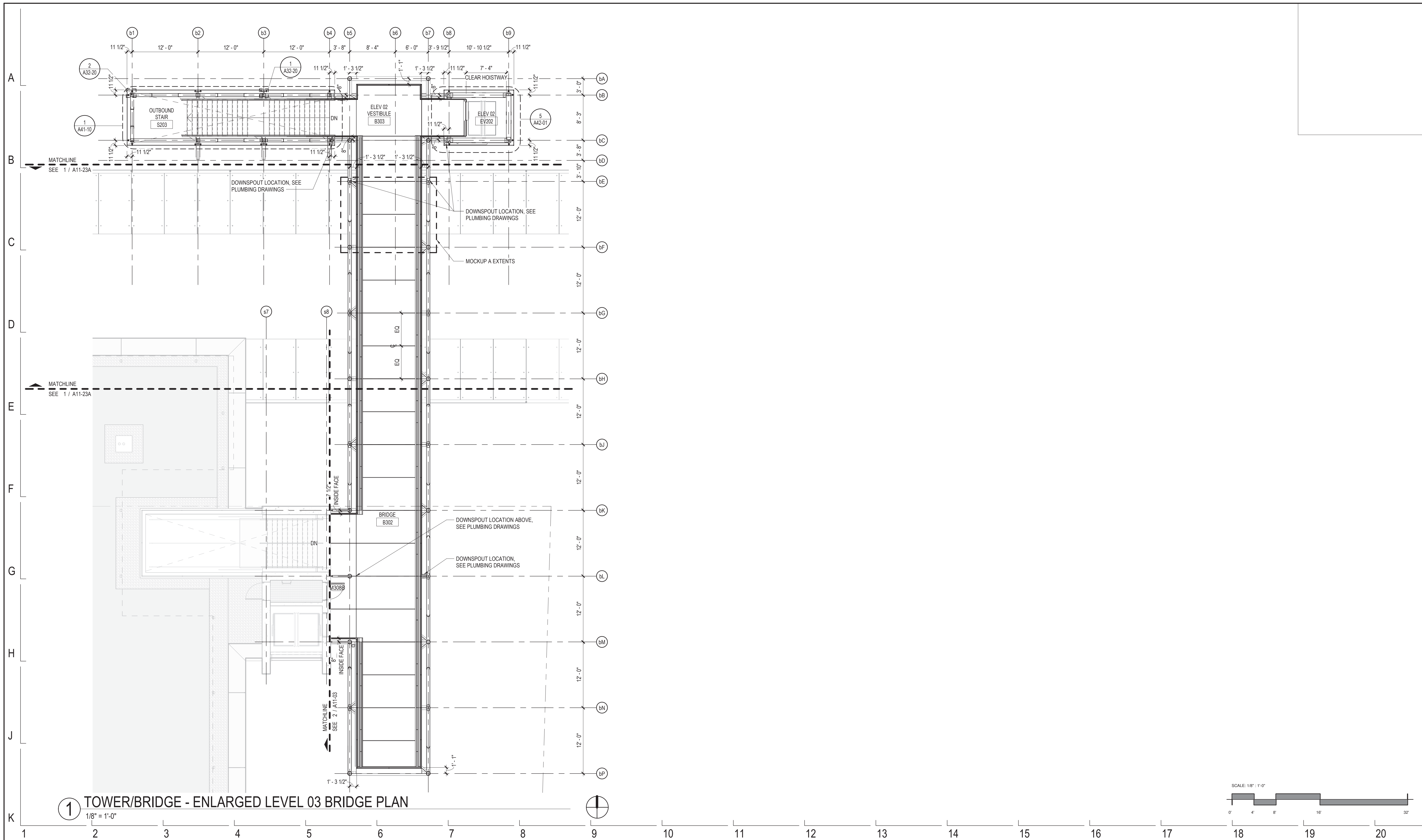
DATE: 01/27/2020

SPEC. NO.

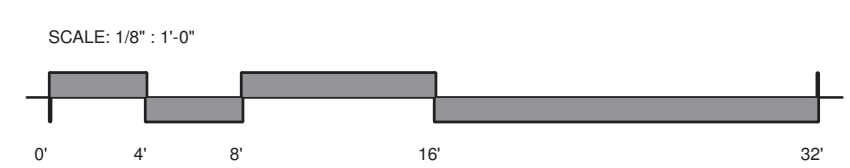
DRAWING NO.

A11-12

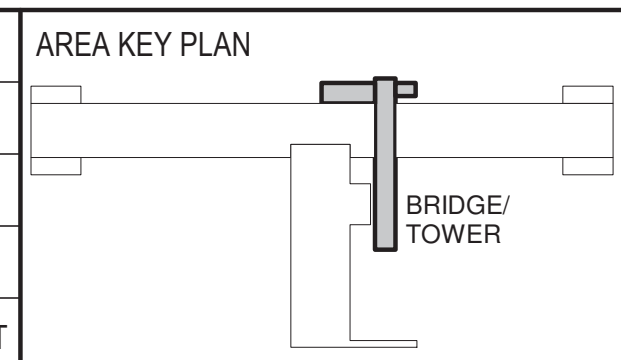
REVISION NO.



1 TOWER/BRIDGE - ENLARGED LEVEL 03 BRIDGE PLAN
 1/8" = 1'-0"



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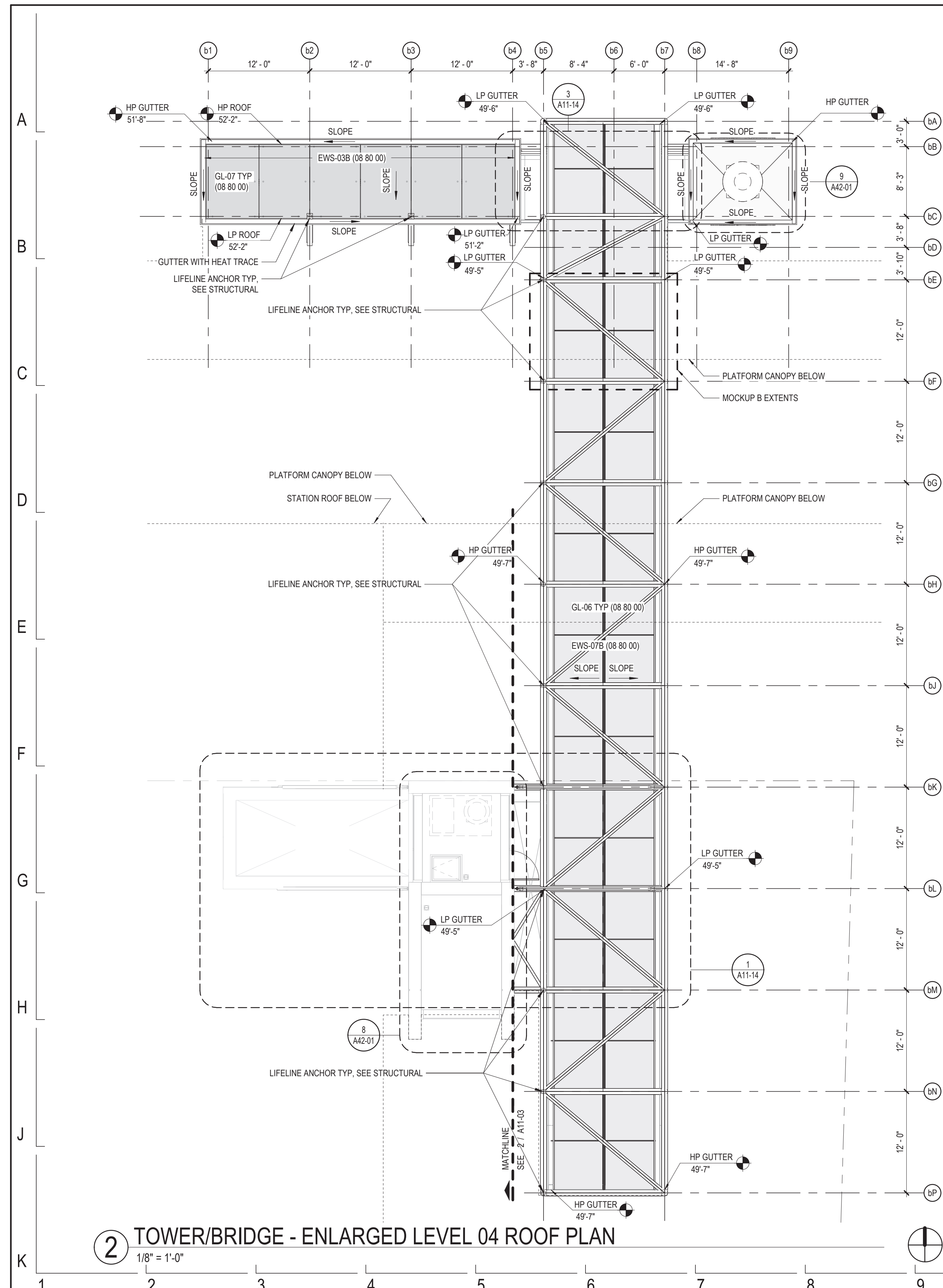
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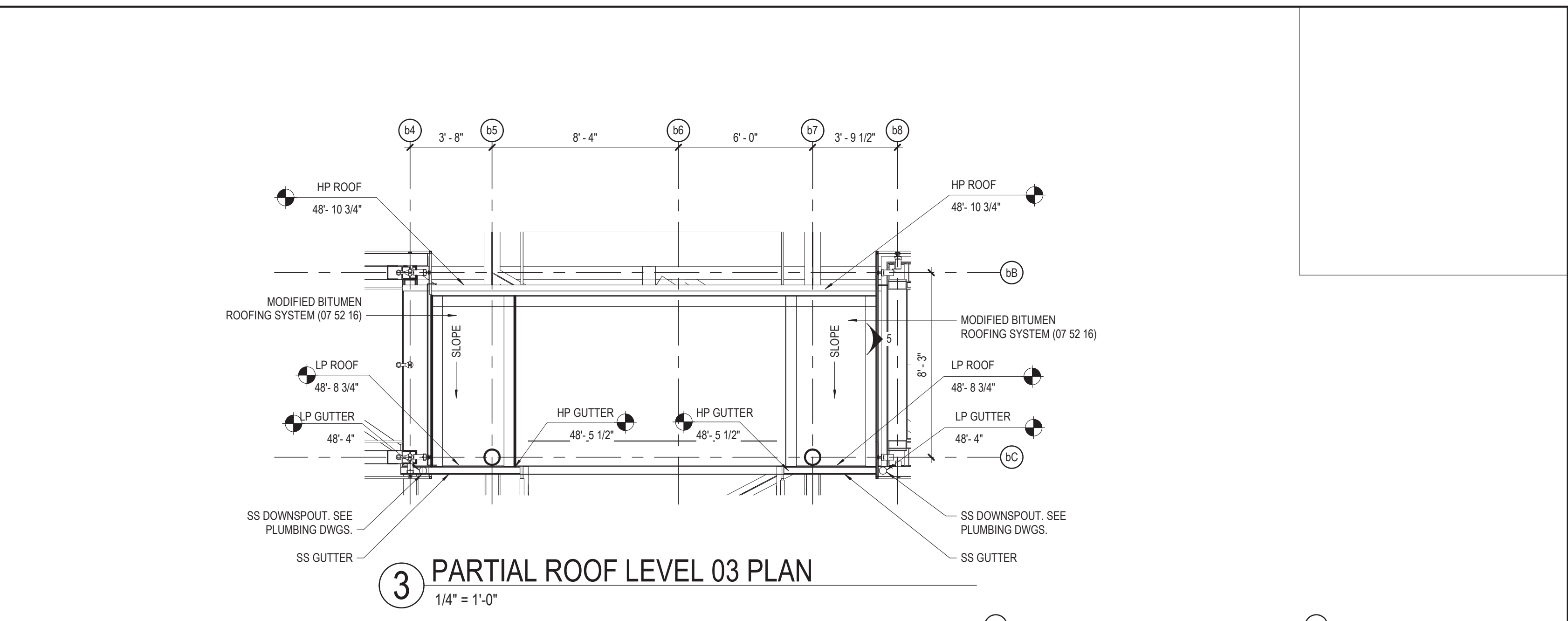
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154 N DAMEN AVE - DAMEN GREEN LINE STATION	SPEC. NO.
TOWER/BRIDGE ENLARGED LEVEL 03 PLAN	DRAWING NO. A11-13
CDOT PROJECT D-7-135	REVISION NO.

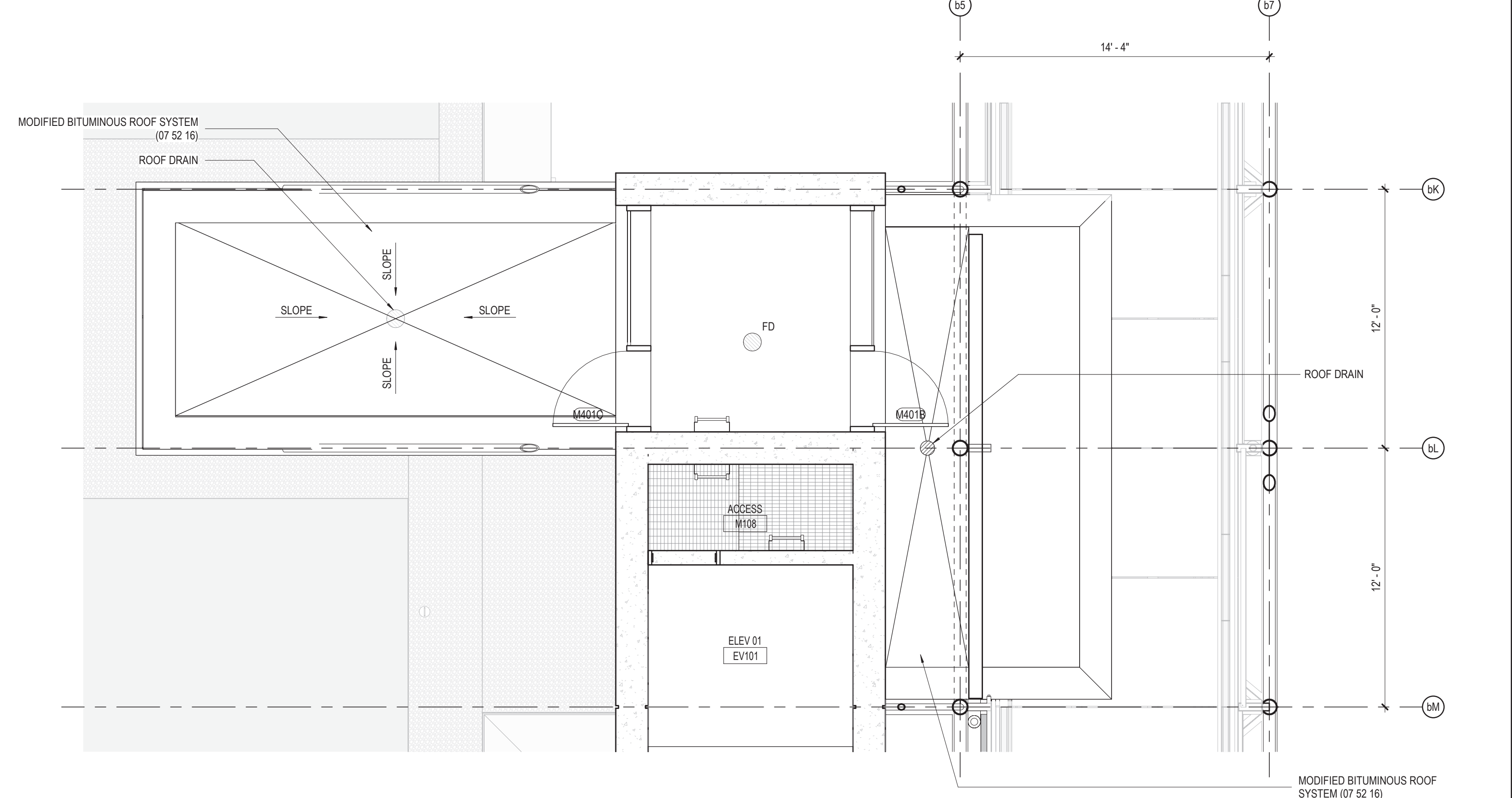
DATE: 01/27/2020



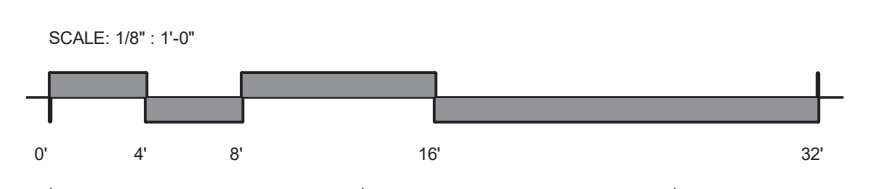
2 TOWER/BRIDGE - ENLARGED LEVEL 04 ROOF PLAN
1/8" = 1'-0"



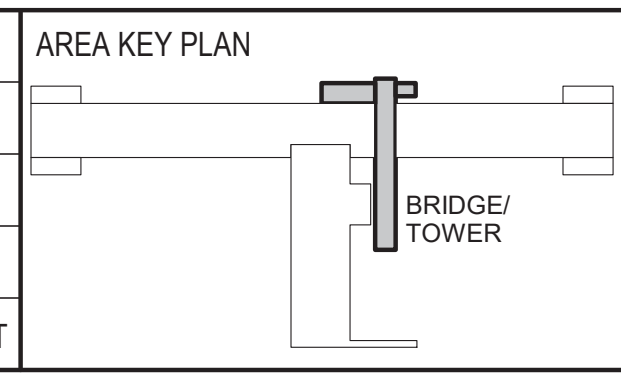
3 PARTIAL ROOF LEVEL 03 PLAN
1/4" = 1'-0"



1 TOWER - ENLARGED LEVEL 04 ROOF PLAN
1/4" = 1'-0"



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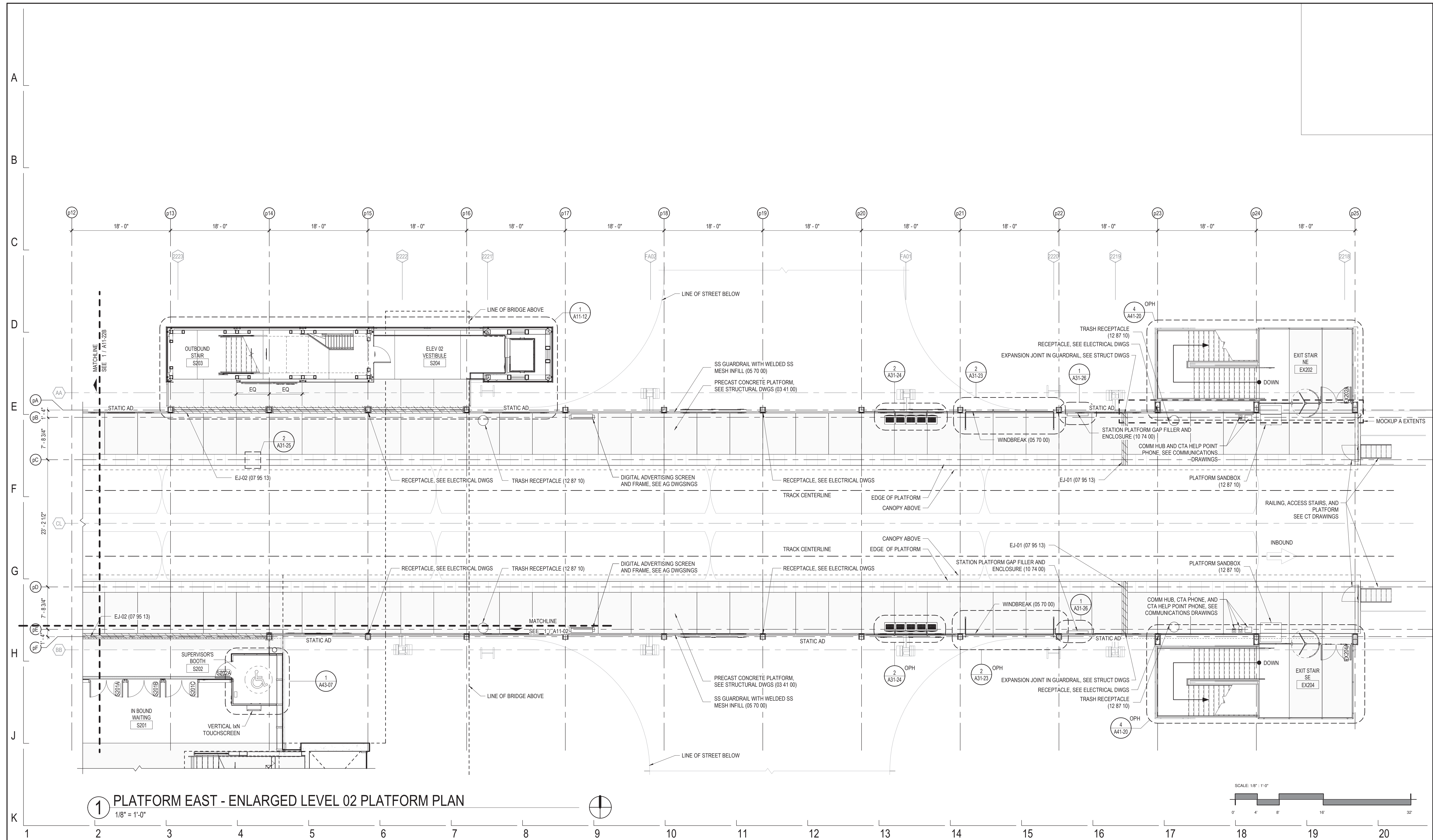


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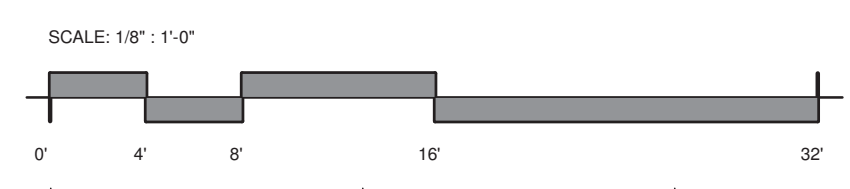
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
TOWER/BRIDGE ENLARGED ROOF PLAN
CDOT PROJECT D-7-135 DATE: 01/27/2020

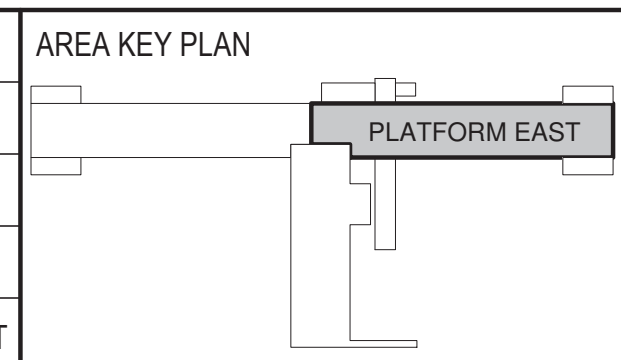
SPEC. NO.
DRAWING NO.
A11-14
REVISION NO.



1 PLATFORM EAST - ENLARGED LEVEL 02 PLATFORM PLAN
 1/8" = 1'-0"



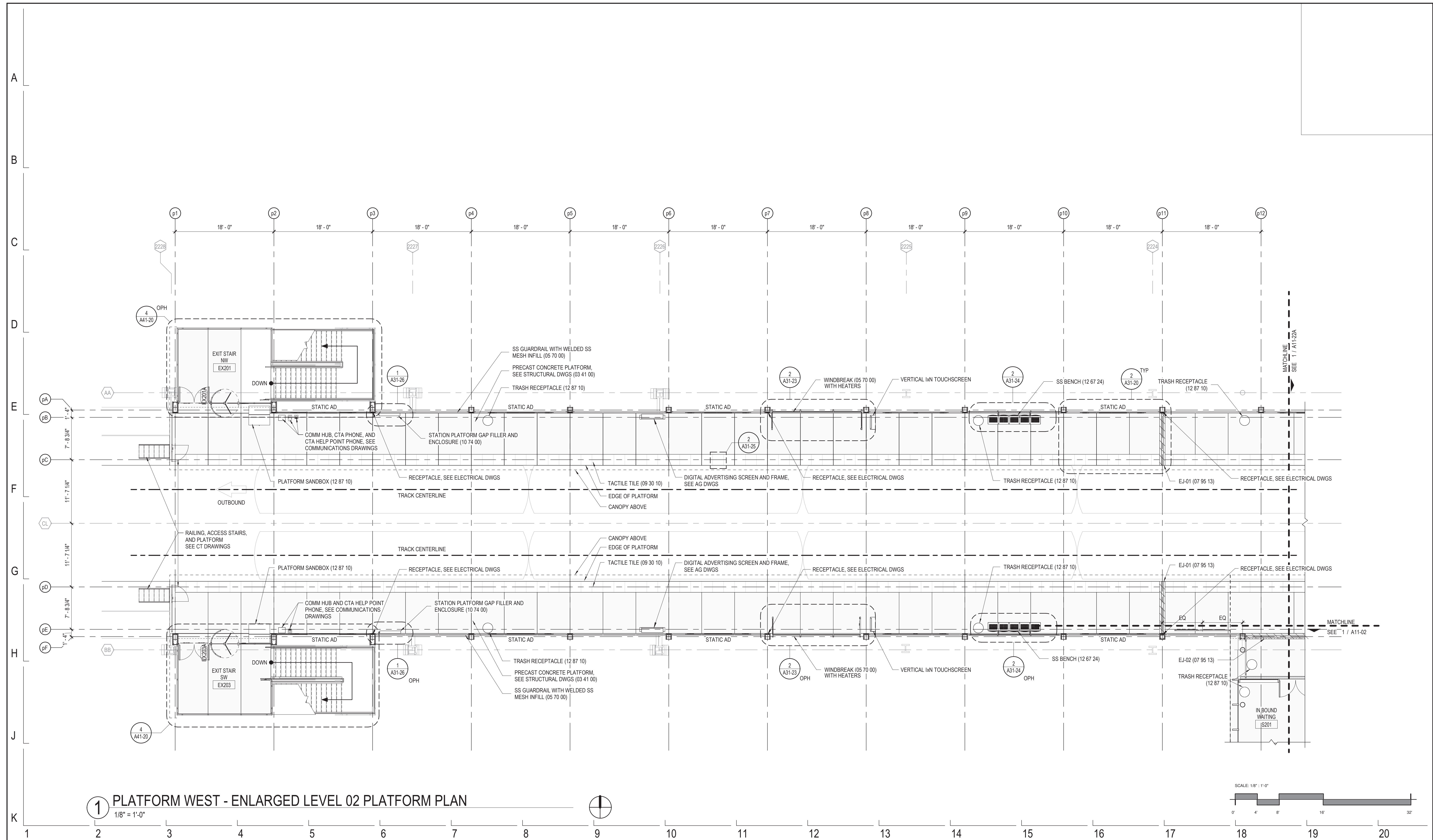
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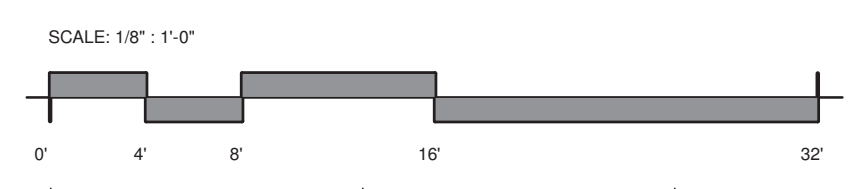
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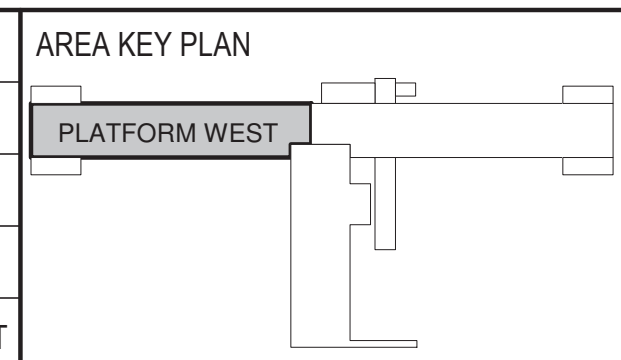
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
PLATFORM EAST ENLARGED LEVEL 02 PLAN		DRAWING NO. A11-22A
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



1 PLATFORM WEST - ENLARGED LEVEL 02 PLATFORM PLAN
 1/8" = 1'-0"



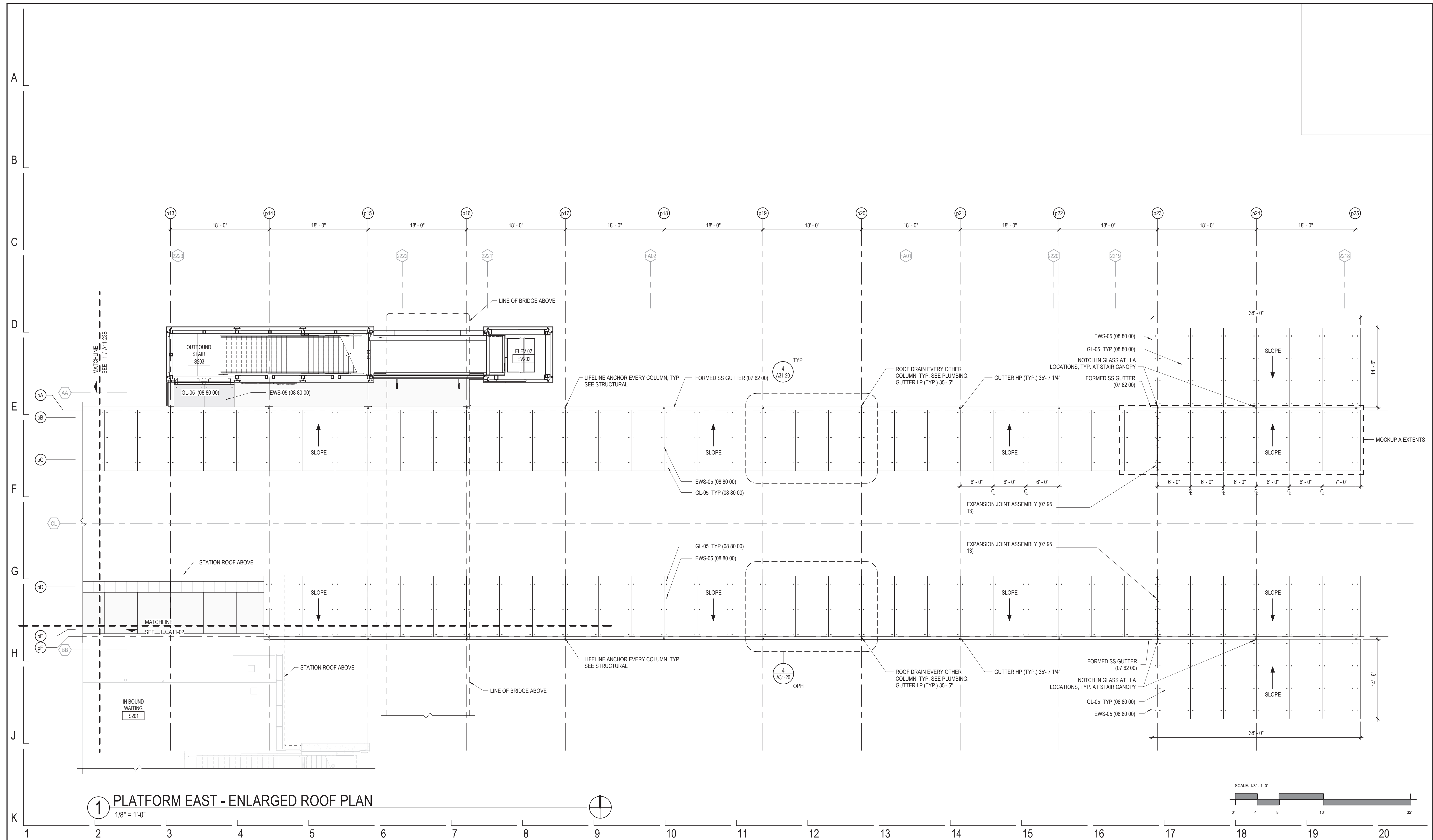
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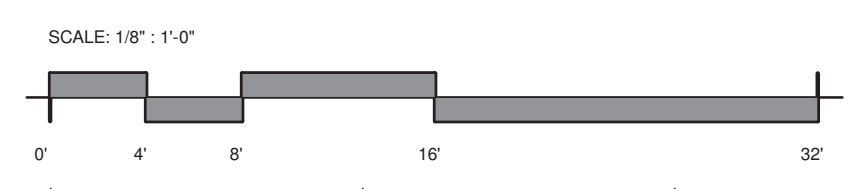
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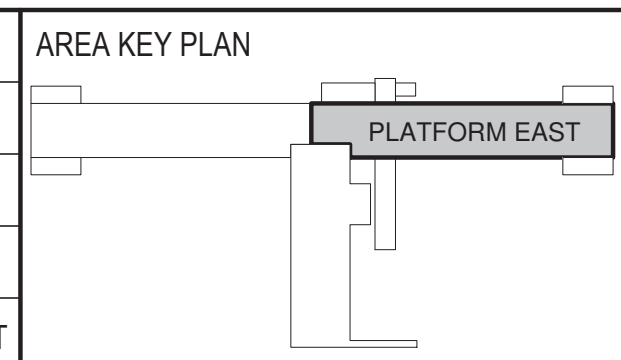
154 N DAMEN AVE - DAMEN GREEN LINE STATION	SPEC. NO.
PLATFORM WEST ENLARGED LEVEL 02 PLAN	DRAWING NO. A11-22B
CDOT PROJECT D-7-135	REVISION NO.
DATE: 01/27/2020	



1 PLATFORM EAST - ENLARGED ROOF PLAN
 1/8" = 1'-0"



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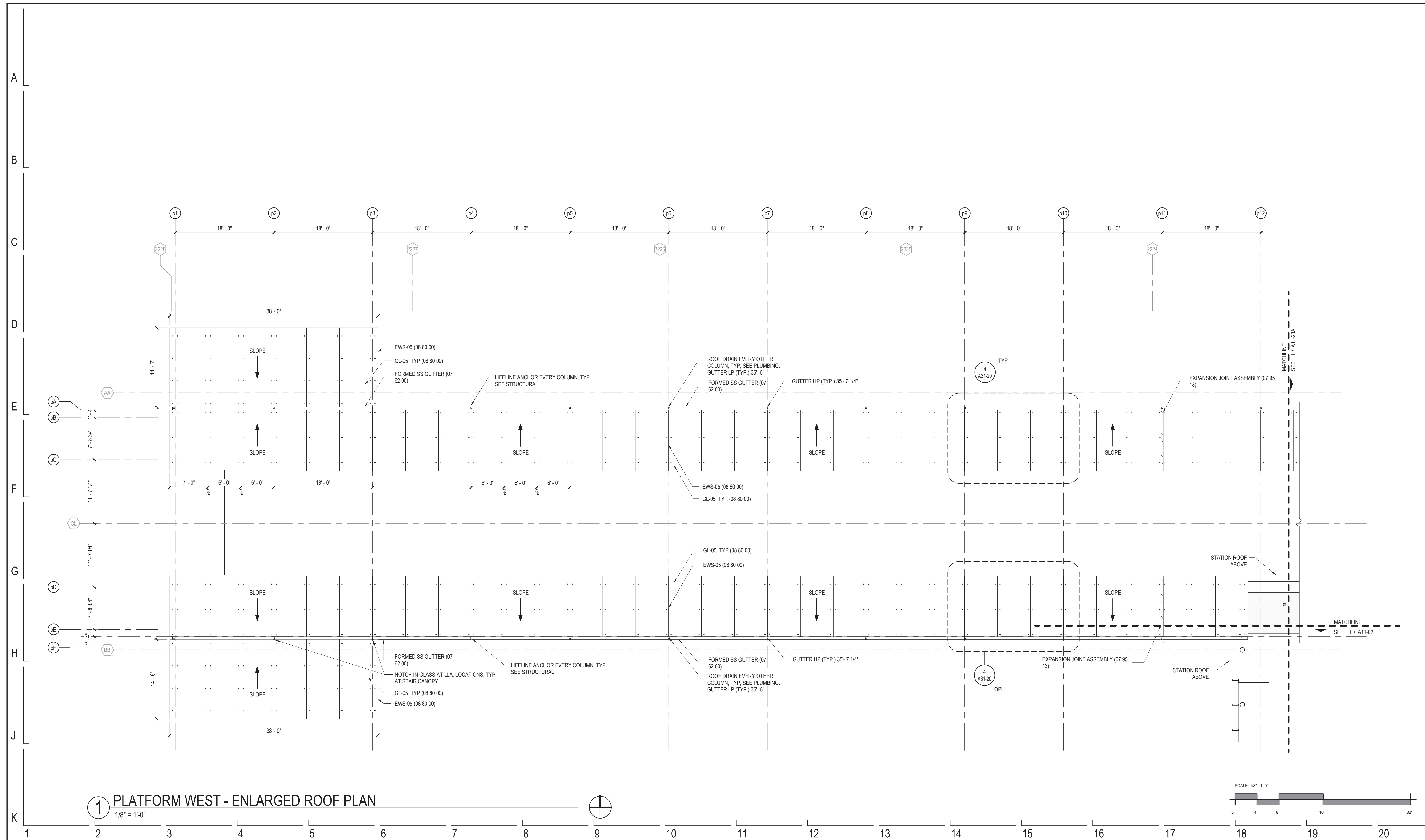


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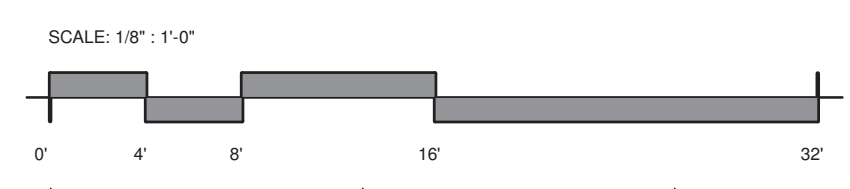
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
PLATFORM EAST ENLARGED ROOF PLAN
 CDOT PROJECT D-7-135 DATE: 01/27/2020

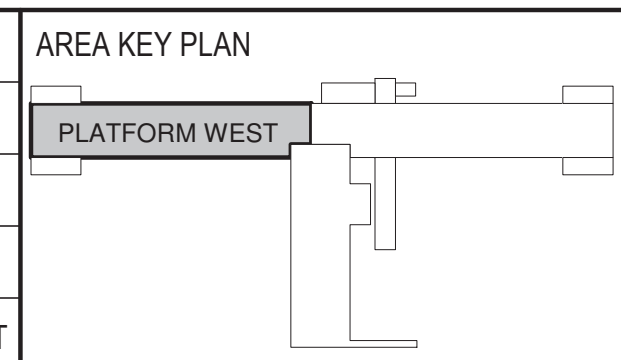
SPEC. NO.
 DRAWING NO.
A11-23A
 REVISION NO.



1 PLATFORM WEST - ENLARGED ROOF PLAN
 1/8" = 1'-0"



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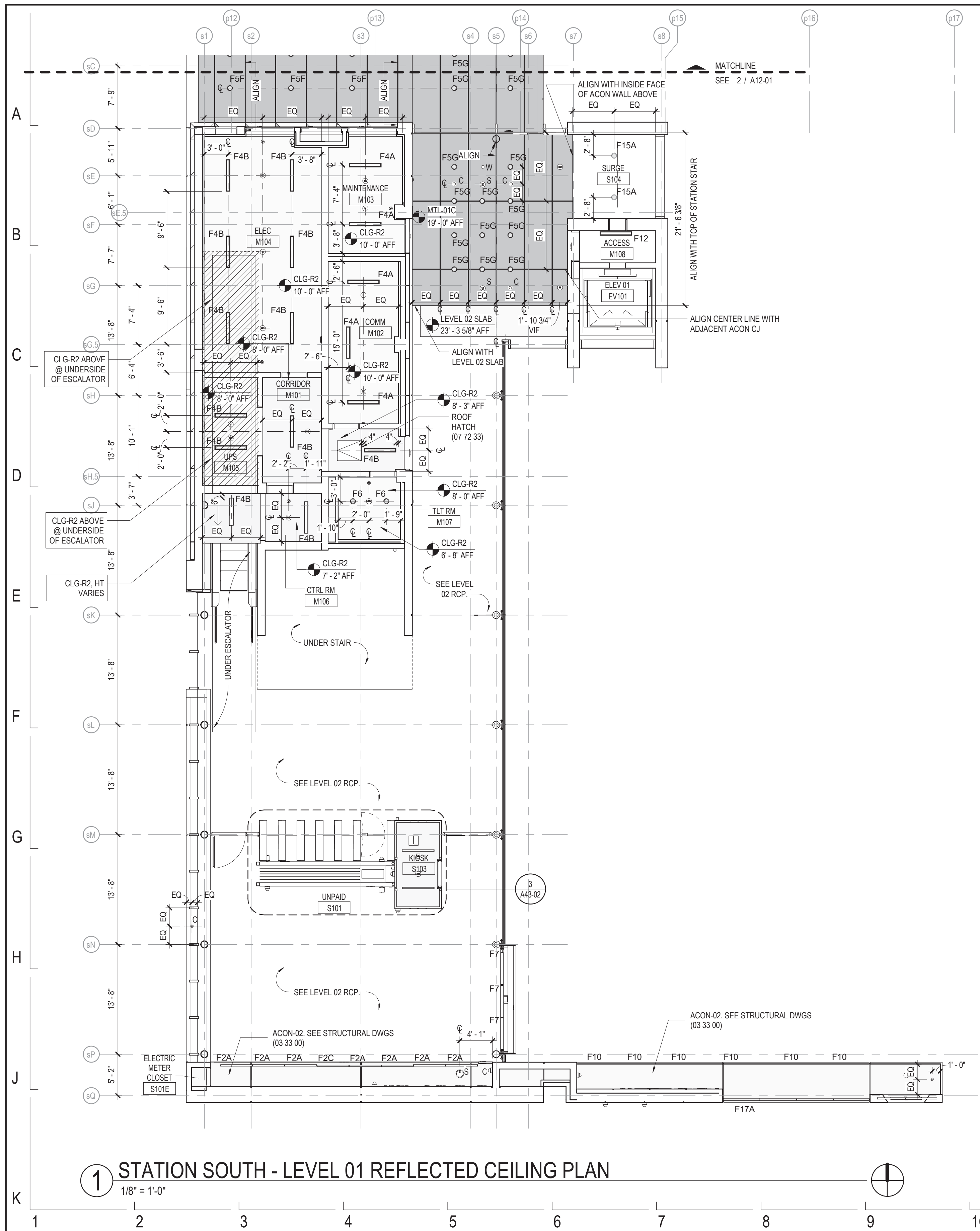


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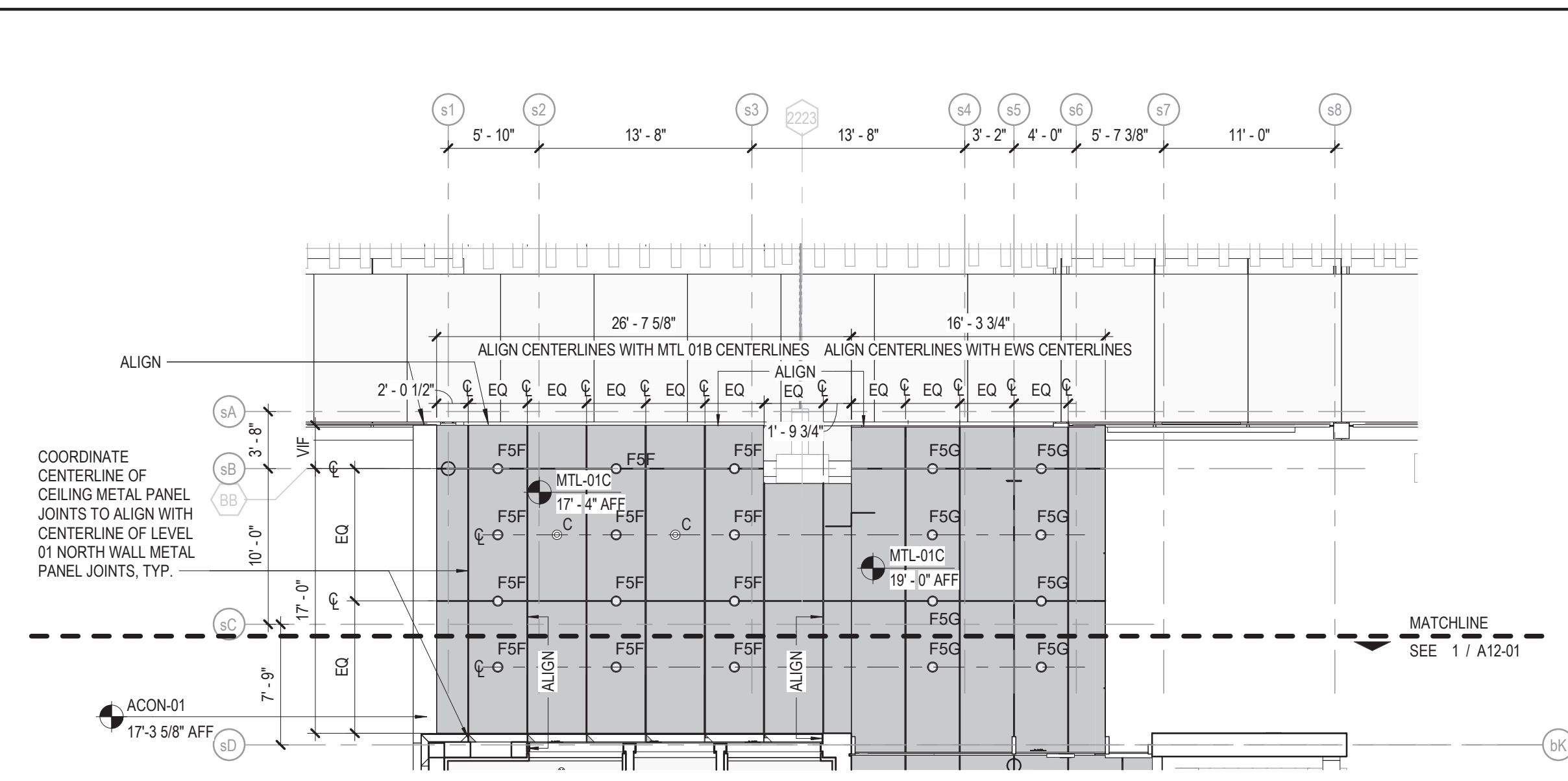
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
PLATFORM WEST ENLARGED ROOF PLAN
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
 DRAWING NO.
A11-23B
 REVISION NO.



1 STATION SOUTH - LEVEL 01 REFLECTED CEILING PLAN
1/8" = 1'-0"

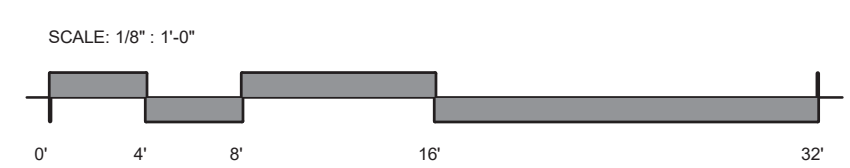


2 STATION NORTH - LEVEL 01 REFLECTED CEILING PLAN
1/8" = 1'-0"

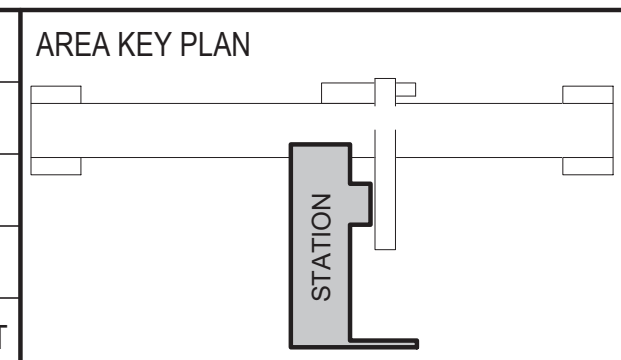
CEILING LEGEND	
(OR) [Symbol]	LIGHT FIXTURE, SEE ELECTRICAL
[Symbol]	EXIT SIGN
(OR) [Symbol]	CAMERA
(OR) [Symbol]	SPEAKER
(OR) [Symbol]	BLUE LIGHT
(OR) [Symbol]	NOISE SENSOR
(OR) [Symbol]	WIRELESS ACCESS POINT
(OR) [Symbol]	SMOKE DETECTOR
(OR) [Symbol]	HEAT DETECTOR
(OR) [Symbol]	PHOTOSENSOR
(OR) [Symbol]	VISUAL FIRE ALARM DEVICE

CEILING NOTES	
1.	RCP NOTES SHOWN ON THIS SHEET APPLY TO ALL A12-SERIES SHEETS.
2.	ALL CEILINGS ARE EXPOSED / OPEN TO ABOVE U.N.O.
3.	REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
4.	REFER TO SIGNAGE, MECHANICAL, AND COMMUNICATIONS DRAWINGS FOR ADDITIONAL CEILING MOUNTED SCOPE.
5.	DEVICES THAT APPEAR TO BE CENTERED IN A CEILING PANEL ARE TO BE CENTERED. DEVICES THAT APPEAR CENTERED ON A PANEL JOINT ARE TO BE CENTERED ON THAT JOINT. THIS APPLIES TO BOTH DIRECTIONS.
6.	DEVICES SHOWN ON JOINTS SHALL BE CENTERED ON PANEL UNO.

CEILING TYPES	
SST-01	SUSPENDED STAINLESS STEEL CEILING (13 06 00)
MTL-01C	STAINLESS STEEL PLATE CEILING PANEL SYSTEM (07 42 12)
MTL-04	STAINLESS STEEL CEILING SYSTEM
ACON-01	ARCHITECTURAL CONCRETE (03 33 00)
NLT	NAIL LAMINATED TIMBER PANELS (06 15 43)
CLG-R1	NOT USED
CLG-R2	PAINTED RATED HORIZONTAL SHAFT ASSEMBLY, NON-LOAD BEARING, SEE 2/A62-50 AND 09 91 00 PAINTING.



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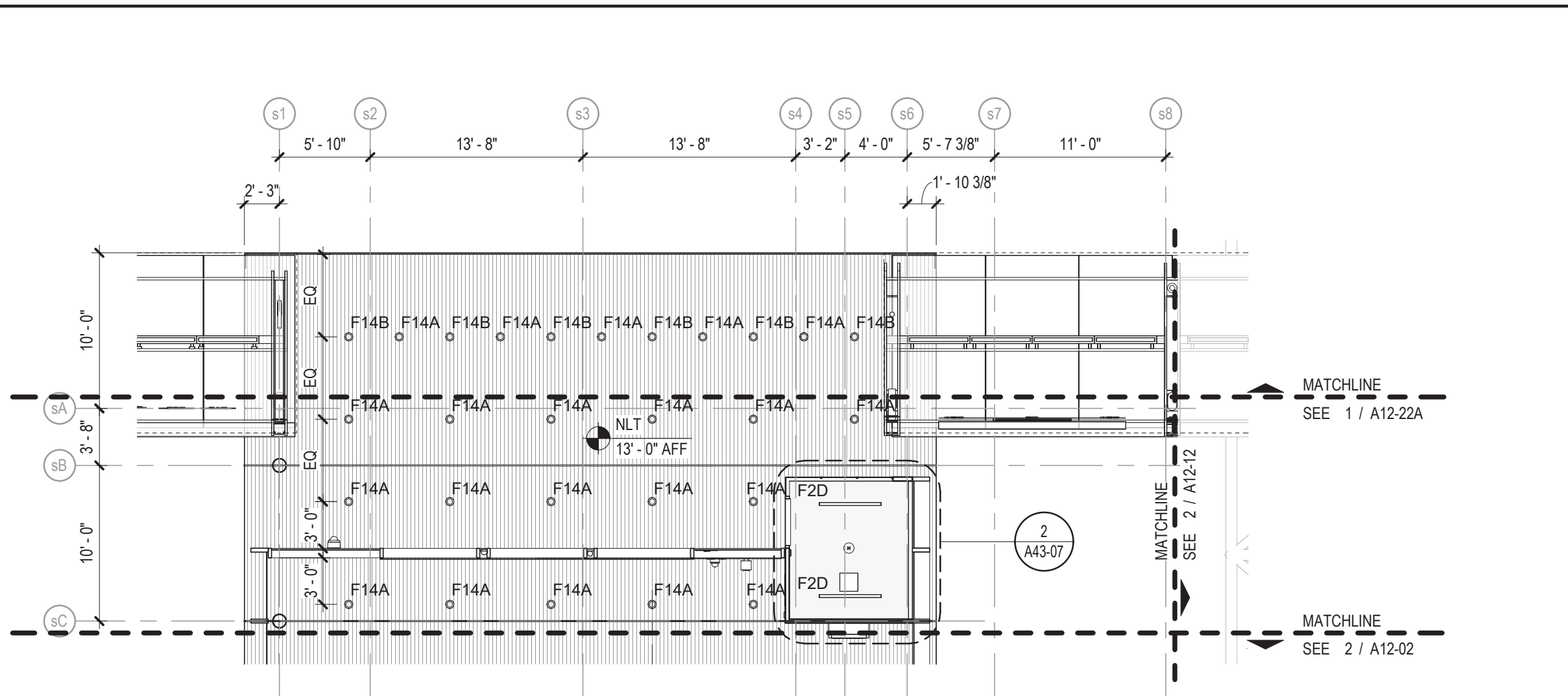
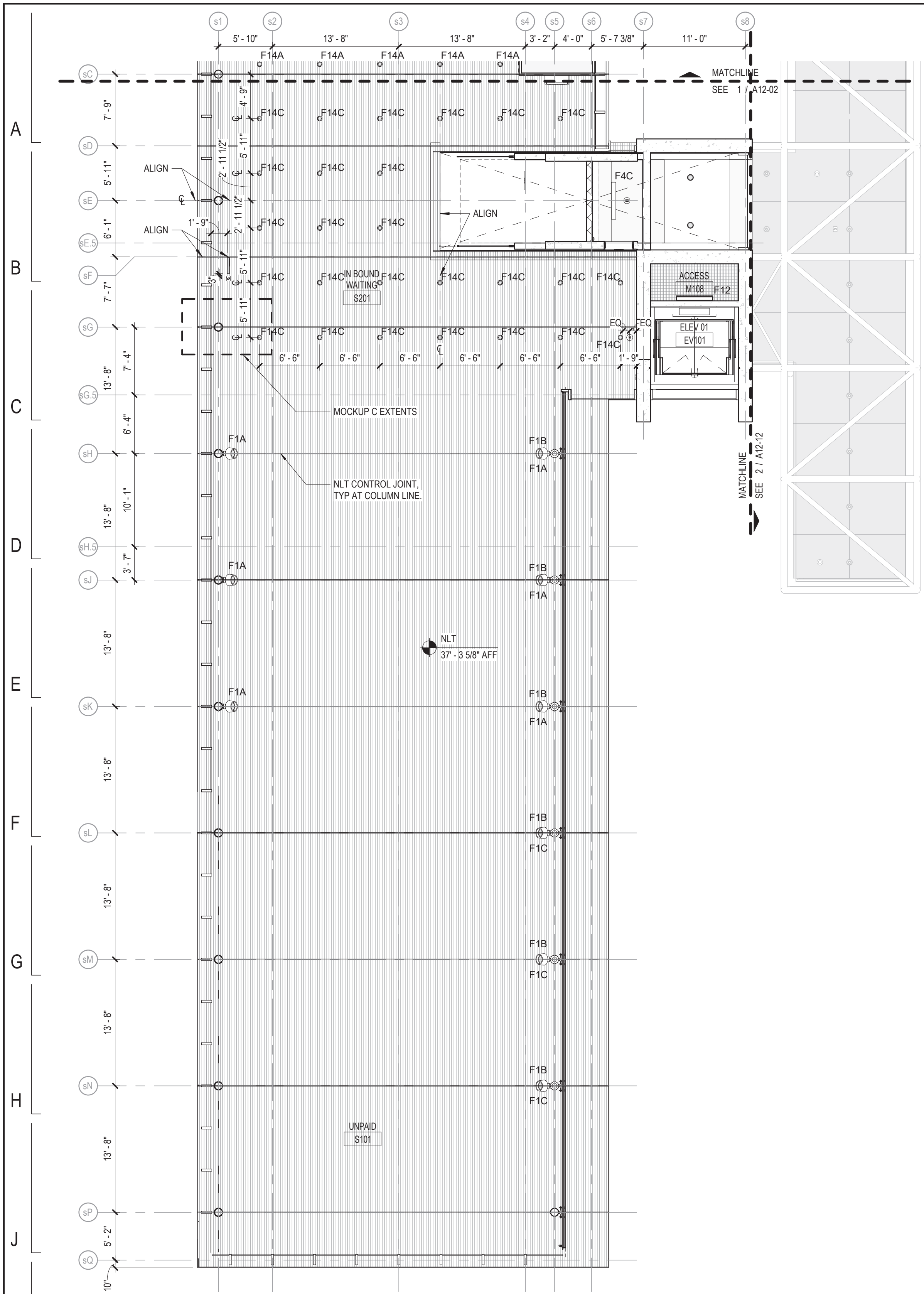
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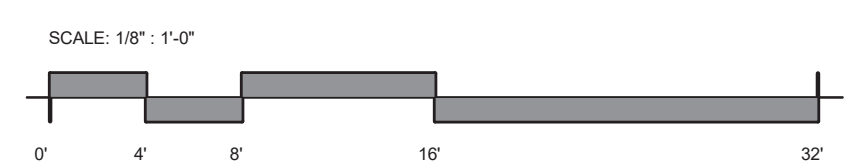
154 N DAMEN AVE - DAMEN GREEN LINE STATION	SPEC. NO.
STATION LEVEL 01 REFLECTED CEILING PLAN	DRAWING NO. A12-01
CDOT PROJECT D-7-135	REVISION NO.

DATE: 09/29/20

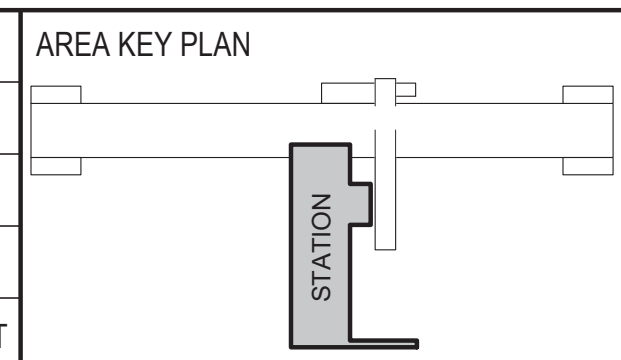


① STATION NORTH - LEVEL 02 REFLECTED CEILING PLAN
1/8" = 1'-0"

② STATION SOUTH - LEVEL 02 REFLECTED CEILING PLAN
1/8" = 1'-0"



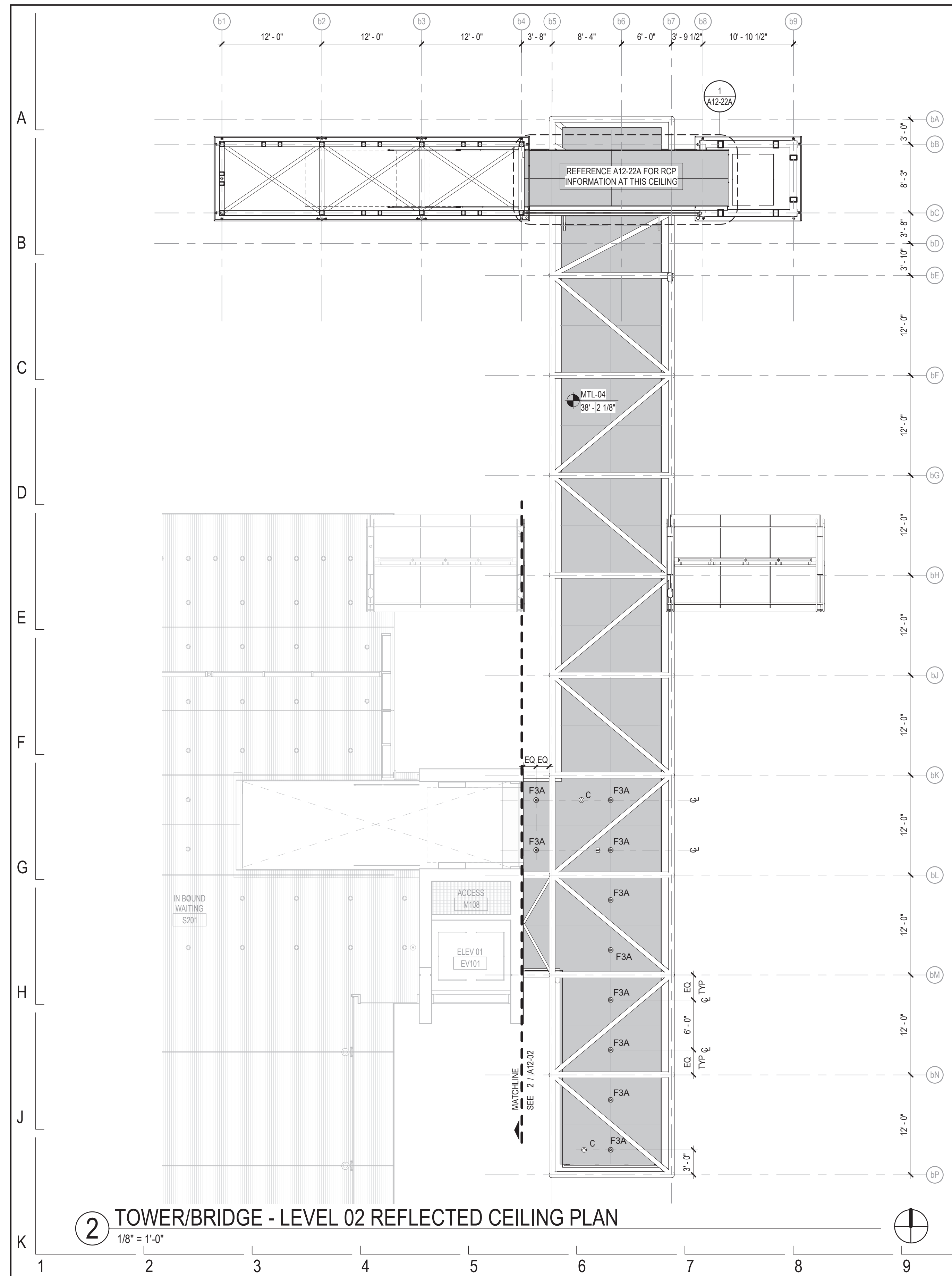
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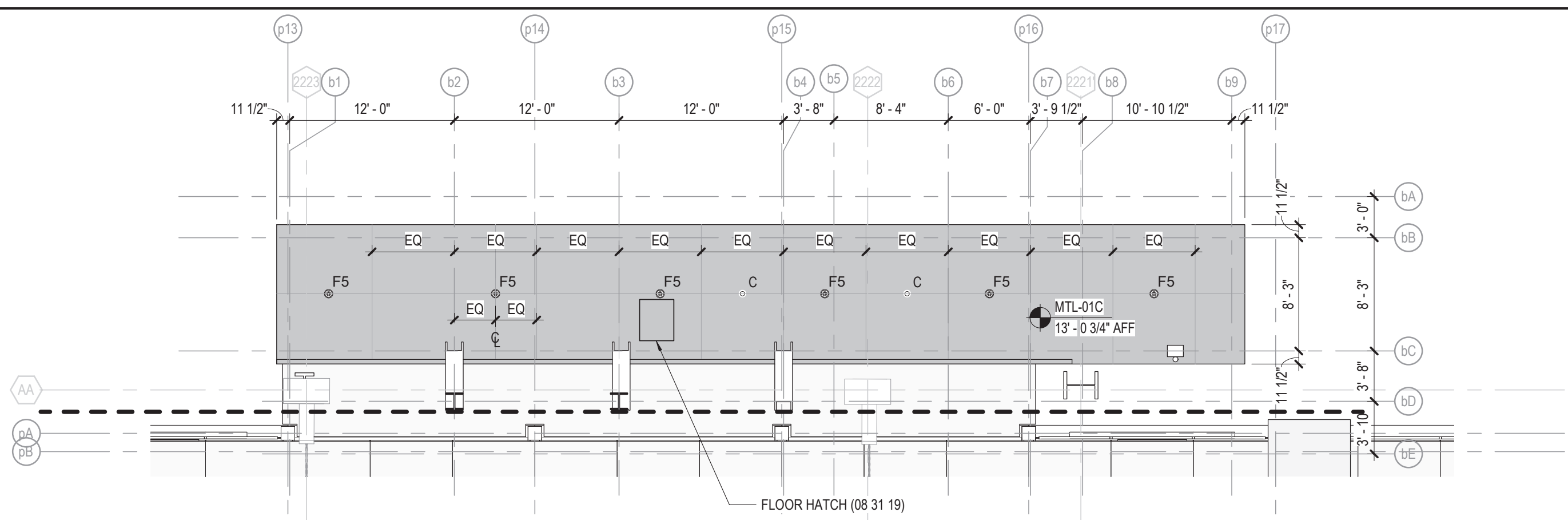
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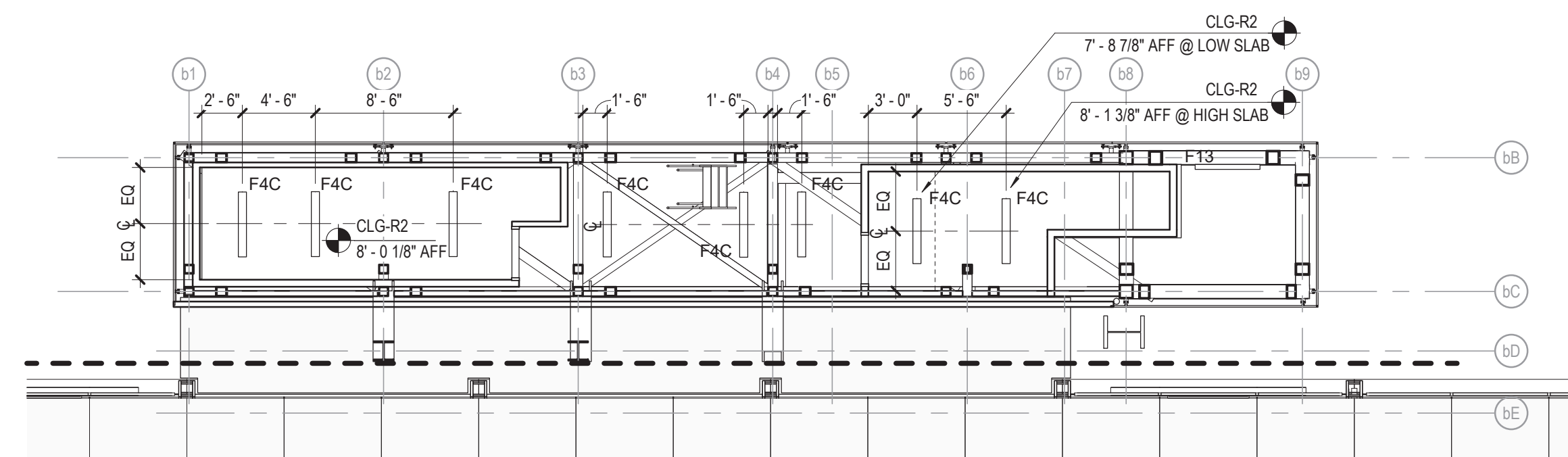
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
STATION LEVEL 02 REFLECTED CEILING PLAN		DRAWING NO. A12-02
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



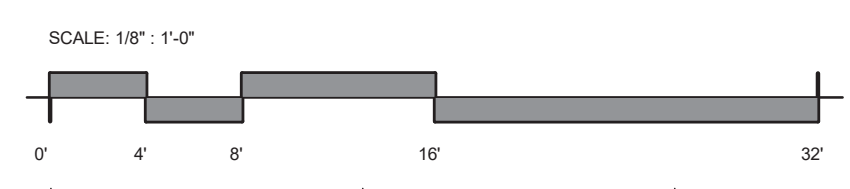
2 TOWER/BRIDGE - LEVEL 02 REFLECTED CEILING PLAN
1/8" = 1'-0"



1 TOWER/BRIDGE - LEVEL 01 REFLECTED CEILING PLAN
1/8" = 1'-0"



3 TOWER/BRIDGE - LEVEL 01.5 REFLECTED CEILING PLAN
1/8" = 1'-0"

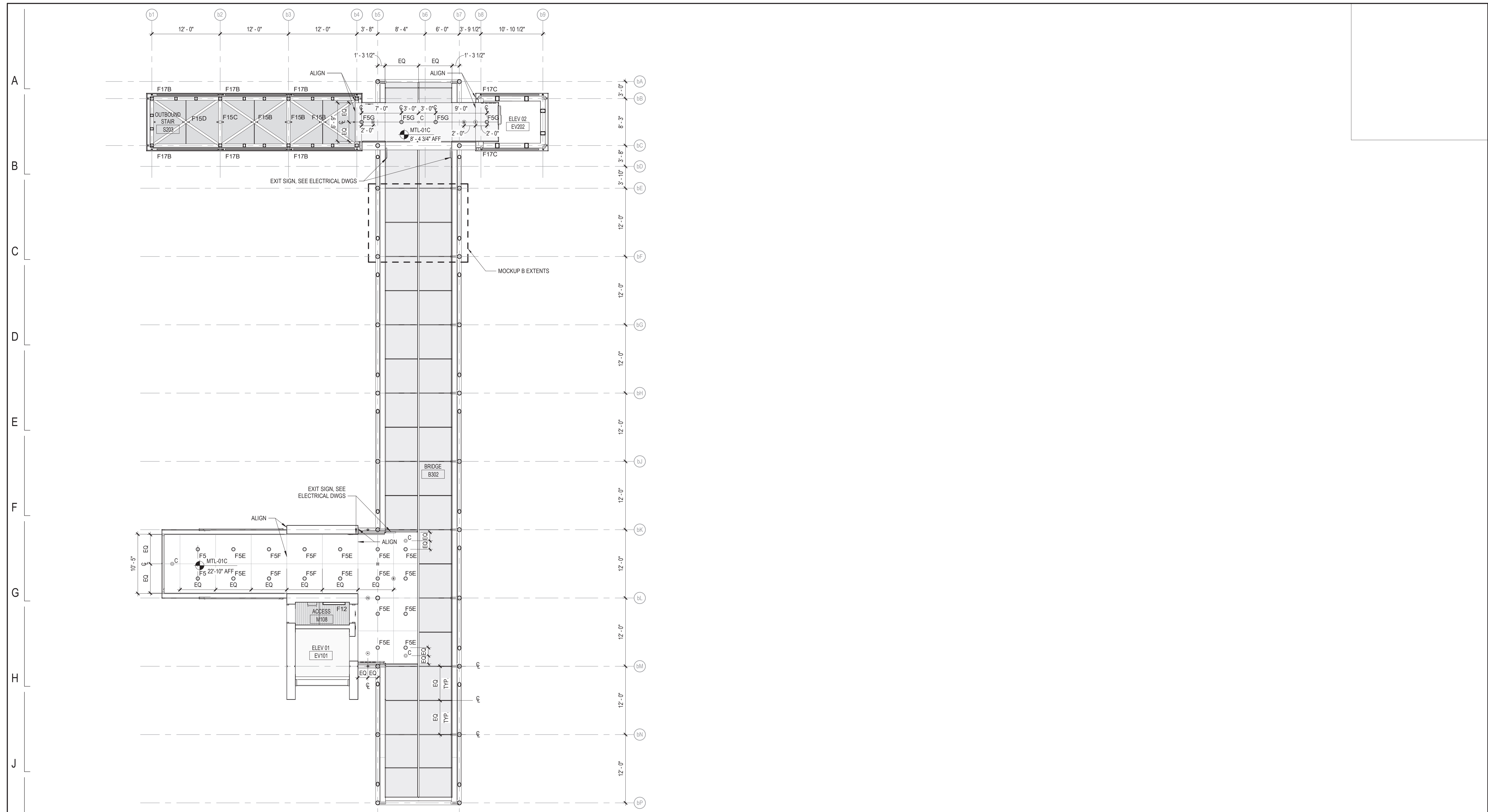


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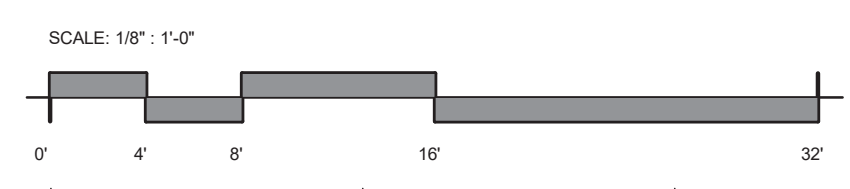
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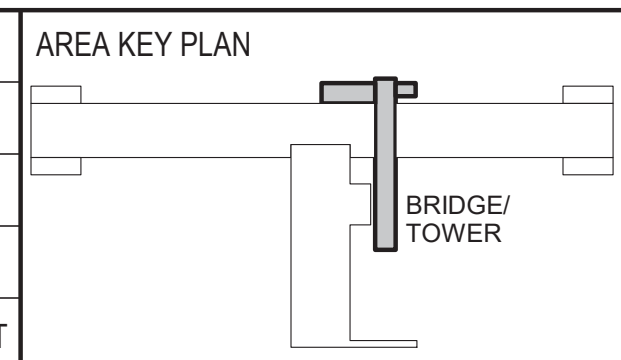
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
TOWER/BRIDGE LEVELS 01 & 02 REFLECTED CEILING PLAN		DRAWING NO. A12-12
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



1 TOWER/BRIDGE - LEVEL 03 REFLECTED CEILING PLAN
 1/8" = 1'-0"



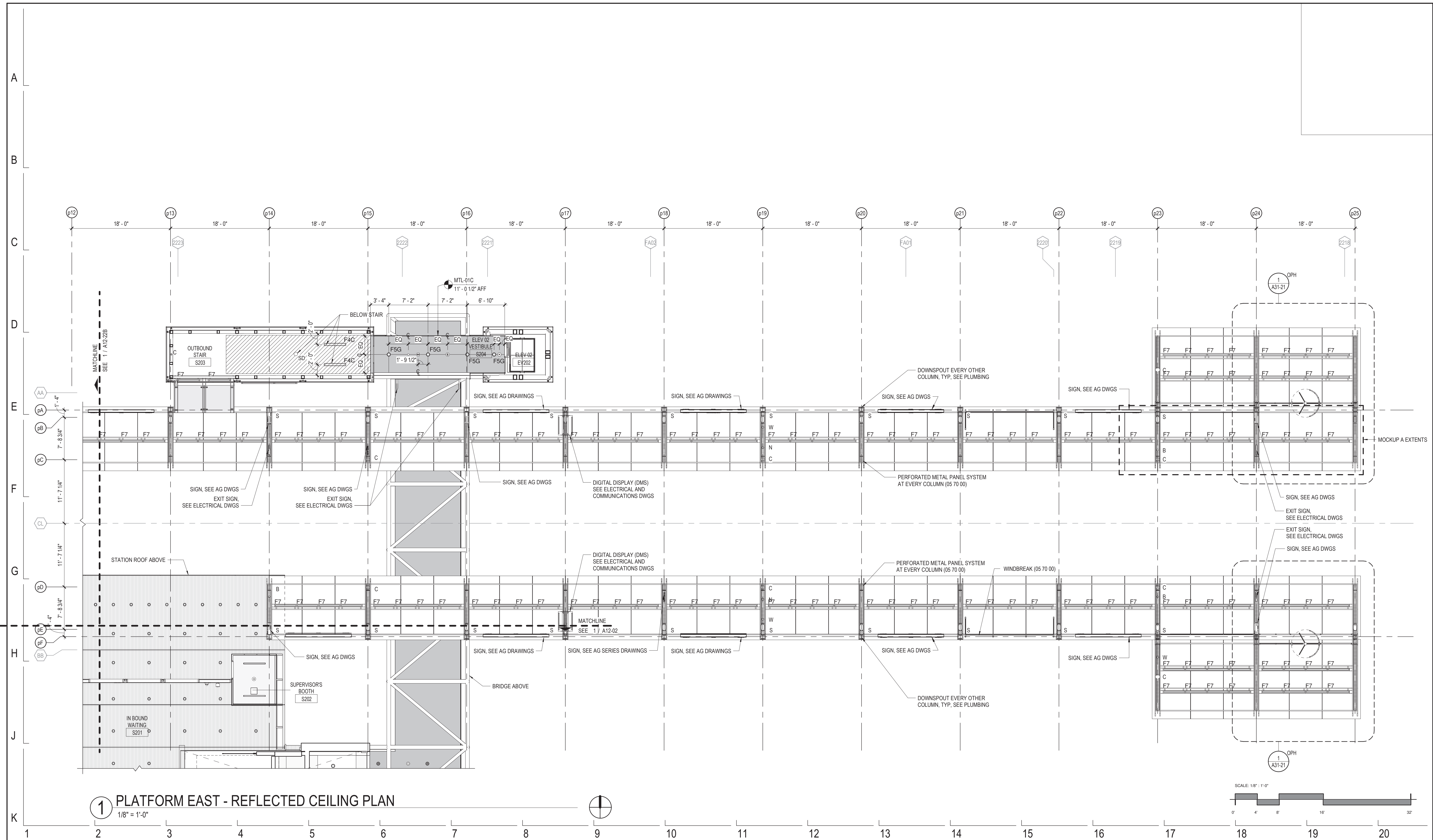
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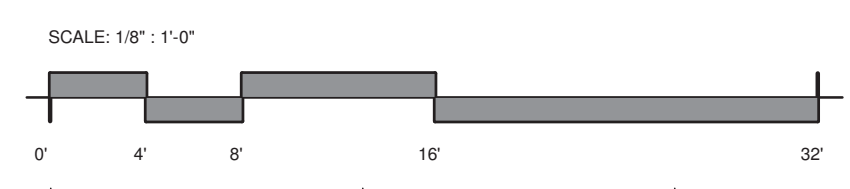
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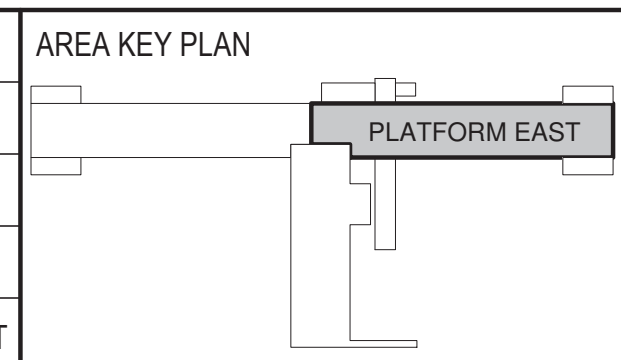
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
TOWER/BRIDGE LEVEL 03 REFLECTED CEILING PLAN		DRAWING NO. A12-13
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



1 PLATFORM EAST - REFLECTED CEILING PLAN
 1/8" = 1'-0"



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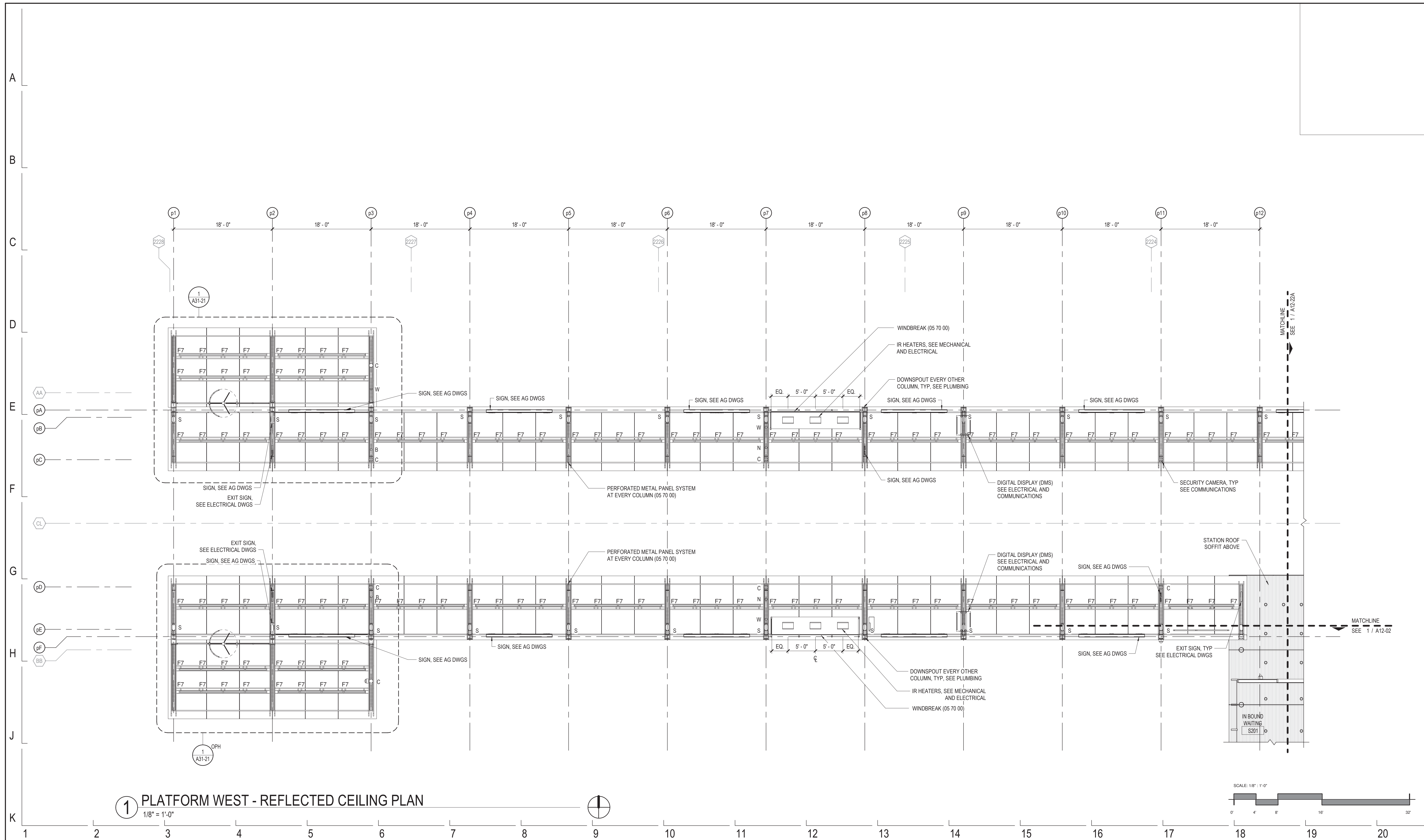


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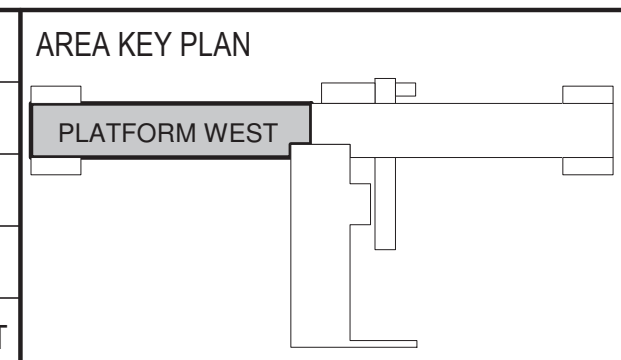
154 N DAMEN AVE - DAMEN GREEN LINE STATION
PLATFORM EAST LEVEL 02 REFLECTED CEILING PLAN
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
 DRAWING NO. **A12-22A**
 REVISION NO.



1 PLATFORM WEST - REFLECTED CEILING PLAN
1/8" = 1'-0"

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CDOT/APPROVED BY:	NO.	DATE	REVISIONS	DES.	DRW.	CHK.	DCCO	CDOT		

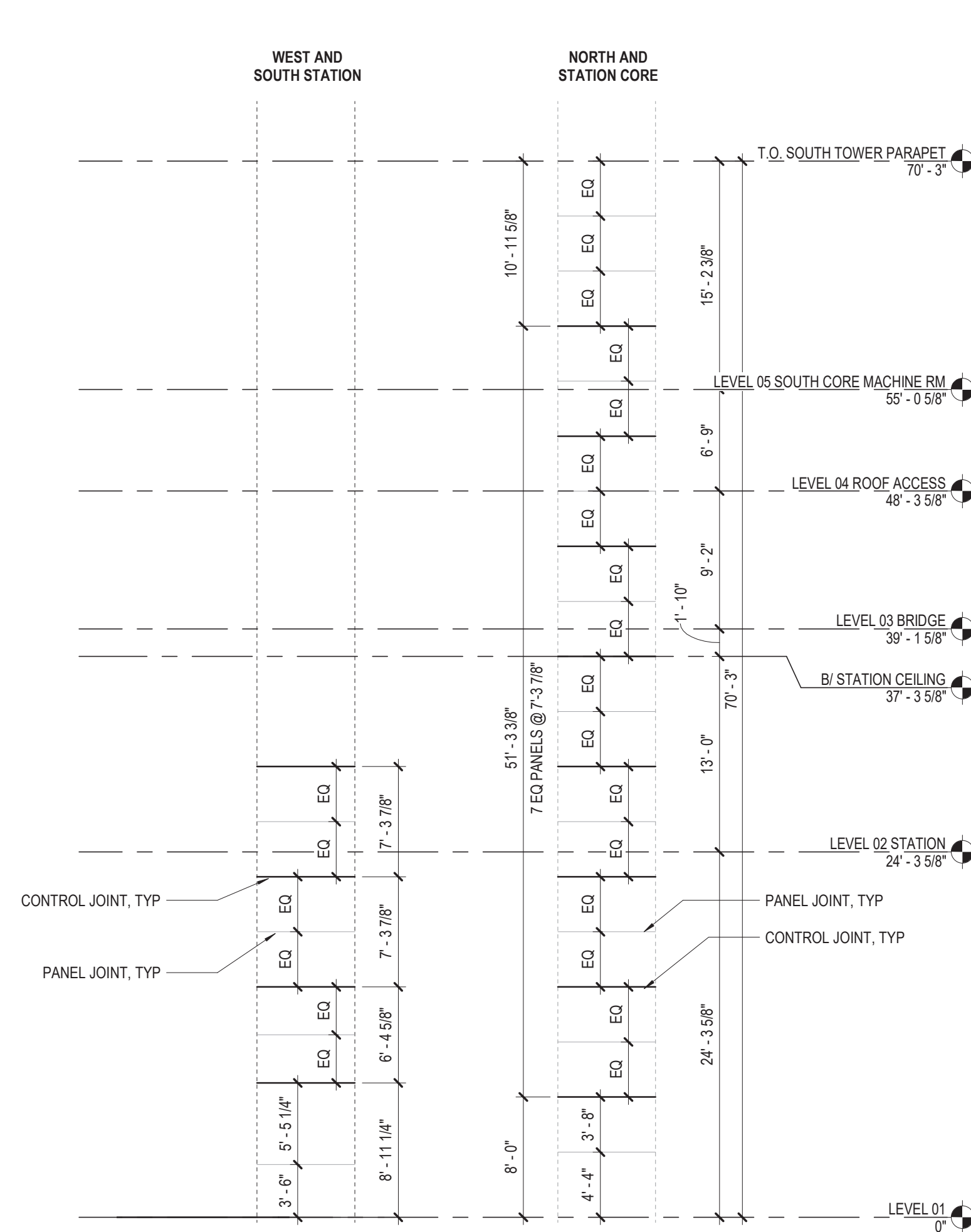


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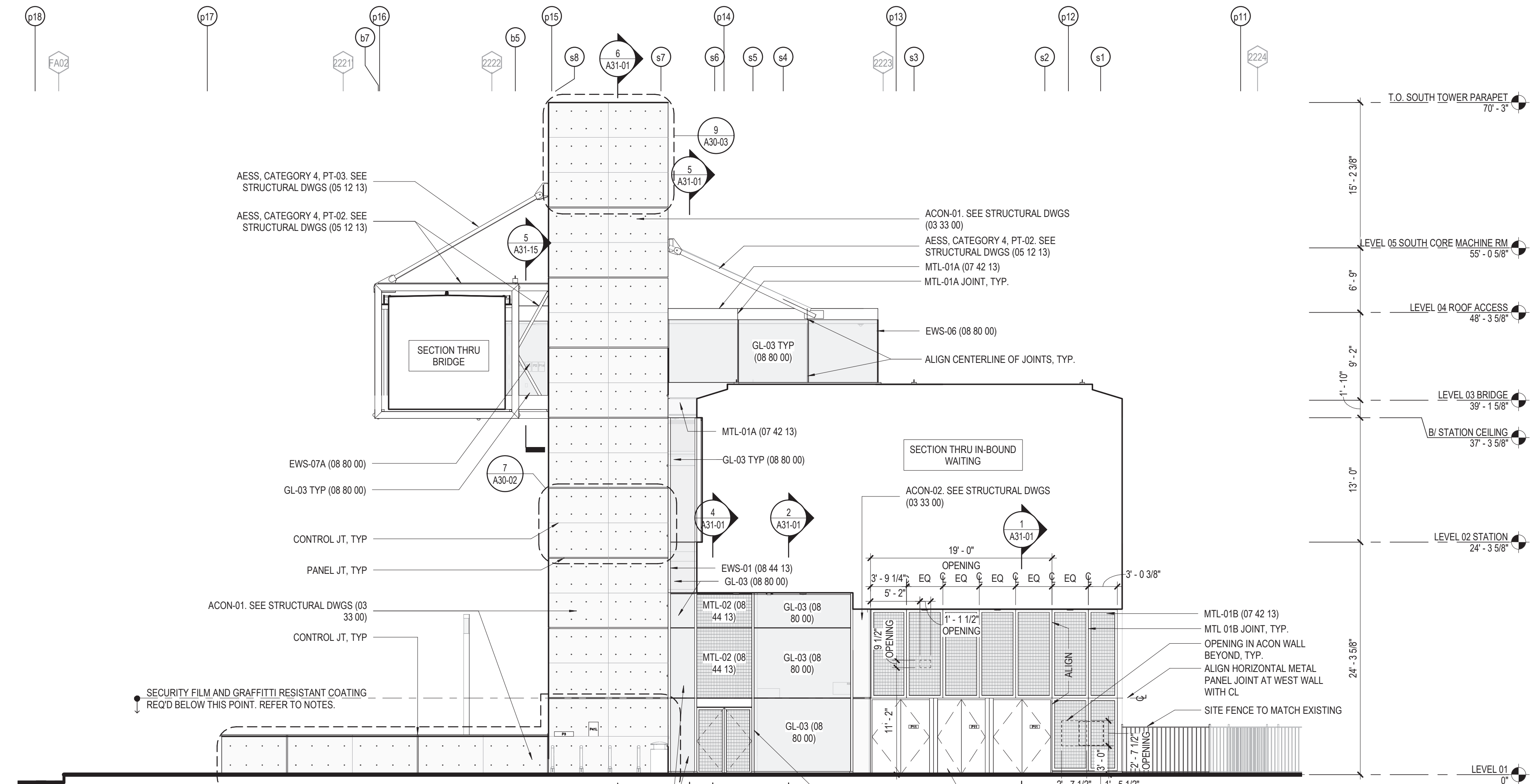
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
PLATFORM WEST LEVEL 02 REFLECTED CEILING PLAN		DRAWING NO. A12-22B
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.

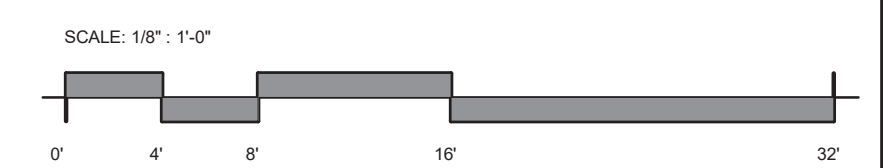
GENERAL NOTES	EXTERIOR WALL TYPES (CONT'D)	GLAZING NOTES	GLAZING TYPE (CONT'D)	ARCHITECTURAL CONCRETE NOTES	PAINTING NOTES
1. PROJECT ELEVATION 0'-0" = 17.4 CCD. 2. SIGNAGE SHOWN IS FOR REFERENCE ONLY. SEE AG SERIES DRAWINGS FOR LOCATIONS AND MOUNTING REQUIREMENTS.	EWS-04 POINT SUPPORTED GLASS CURTAIN WALL ANGLED GLAZING BUTT GLAZED VERTICAL WEATHERSEAL EWS-05 SLOPING POINT SUPPORTED GLASS CANOPY EWS-06 BUTT GLAZED CURTAIN WALL EWS-07A BUTT GLAZED CURTAIN WALL EWS-07B SLOPING CURTAIN WALL WITH INTEGRATED GUTTER LVR-01 STAINLESS STEEL LOUVER (08 91 30) MTL-01A STAINLESS STEEL PLATE WALL PANEL SYSTEM (07 42 14) MTL-01B PERFORATED STAINLESS STEEL PLATE WALL PANEL SYSTEM (07 42 12) MTL-01C STAINLESS STEEL PLATE CEILING PANEL SYSTEM (07 42 12) MTL-02 PERFORATED STAINLESS STEEL INFILL PANEL (07 42 12) MTL-03 STAINLESS STEEL FASCIA MTL-04 STAINLESS STEEL CEILING SYSTEM	1. ALL GLASS WITHIN 7'-0" AFF TO HAVE (2) PLYS OF SACRIFICIAL SECURITY FILM APPLIED TO ALL SIDES ACCESSIBLE BY THE PUBLIC. COVER ENTIRE PANEL, DO NOT COVER PARTIAL PANELS. 2. SEE A30-01 FOR CUSTOM PATTERN DEFINITIONS. 3. ALL EXPOSED GLAZING EDGES TO BE MACHINE GROUND, AND FLAT POLISHED. 4. ALIGN LAMINATED LITES FOR EWS-05 AT TRACK EDGE.	GL-08A LOW-IRON LAMINATED GLASS SGP INTERLAYER WITH CUSTOM COLOR TO MATCH PANTONE 355C GL-08B LOW-IRON LAMINATED GLASS SGP INTERLAYER WITH CUSTOM GRAPHIC CUSTOM COLOR TO MATCH PANTONE 355C GL-09 LOW-IRON FULLY TEMPERED GLASS GL-10 LOW-IRON LAMINATED GLASS SGP INTERLAYER WITH CUSTOM PATTERN E GL-11 LOW-IRON LAMINATED GLASS GL-12 LOW-IRON LAMINATED GLASS SGP INTERLAYER WITH PARTIAL PANEL, SOLID OPAQUE COLOR TO MATCH BENJAMIN MOORE 2126-30 ANCHOR GREY	1. SEE 4 / A30-02 FOR TYP CONTROL JOINT DETAIL. 2. FORM-FACING PANEL LOCATIONS ARE INDICATED BY PANEL JOINTS ON DRAWINGS. SEE 7 / A30-02 & 2 / A20-01 3. CONTROL JOINT LOCATIONS ARE INDICATED ON ELEVATIONS. SEE 4 / A30-02 & 2 / A20-01. 4. SEE SHEET A30-02 FOR TYP PANEL TIE HOLE LOCATIONS AND TYPICAL CONCRETE DETAILS. 5. HORIZONTAL CONCRETE PLANES DEEPER THAN 4" SHOULD INCORPORATE A DRIP EDGE. SEE 3 / A30-02. 6. SEE A30-03 FOR CONCRETE DETAILS THAT DO NOT CONFORM TO 7 / A30-02. 7. SEE A43 SERIES DRAWINGS FOR INTERIOR CONCRETE ELEVATIONS. 8. ALL ARCHITECTURAL CONCRETE WITHIN 7'-0" AFF TO HAVE NON-SACRIFICIAL GRAFFITI RESISTANT COATING. THE COATING SHALL BE APPLIED TO THE ENTIRE PANEL AND SHALL BE TERMINATED AT THE NEAREST CONTROL JOINT. COAT ENTIRE PANEL, DO NOT COAT PARTIAL PANELS.	1. NEW STEEL TRACK STRUCTURE TO BE PAINTED PT-05, UNO. PATCH AND REPAIR PAINT AT ADJACENT EXISTING STRUCTURE TO MATCH. 2. TYPICAL STEEL FINISH TO BE PT-01, UNO. 3. SEE ENLARGED SECTIONS AND DETAILS FOR ADDITIONAL FINISH INFORMATION.
EXTERIOR WALL NOTES 1. EXTERIOR WALL NOTES AND TYPES SHOWN ON THIS SHEET APPLY TO ALL A20 SERIES DRAWINGS. 2. CENTER OF CURTAIN WALL JOINTS SHALL ALIGN WITH CENTER OF ACON JOINTS, U.N.O.		GLAZING TYPES GL-01 NOT USED GL-02 LOW-IRON LAMINATED GLASS GL-03 LOW-IRON LAMINATED GLASS SGP INTERLAYER GL-04 LOW-IRON LAMINATED GLASS SGP INTERLAYER WITH CUSTOM PATTERN A GL-05 LOW-IRON LAMINATED GLASS SGP INTERLAYER WITH CUSTOM PATTERN B GL-06 LOW-IRON LAMINATED GLASS SGP INTERLAYER WITH LOW E COATING ON SURFACE 2 CUSTOM PATTERN C GL-07 LOW-IRON LAMINATED GLASS SGP INTERLAYER WITH CUSTOM PATTERN D			PAINT TYPES PT-01 COLOR TO MATCH BENJAMIN MOORE 1528 EARLY MORNING MIST PT-02 COLOR TO MATCH BENJAMIN MOORE 2030-20 TROPICAL SEAWEED PT-03 COLOR TO MATCH BENJAMIN MOORE 2126-30 ANCHOR GRAY PT-04 COLOR TO MATCH BENJAMIN MOORE 2126-40 SWEATSHIRT GRAY PT-05 COLOR TO MATCH EXISTING TRACK STRUCTURE PT-06 COLOR TO MATCH ACON-01
EXTERIOR WALL TYPES ACON-01 CAST IN PLACE ARCHITECTURAL CONCRETE PARTIALLY PLUGGED TIE HOLES ACON-02 CAST IN PLACE ARCHITECTURAL CONCRETE FLUSH PLUGGED TIE HOLES EWS-01 CUSTOM 2-SIDE SSG ALUMINUM CURTAIN WALL VERTICAL STEEL REINFORCEMENT WEATHERSEAL BETWEEN GLASS LITES CONCEALED DEADLOAD SUPPORT EWS-02 CUSTOM 2-SIDE SSG ALUMINUM CURTAIN WALL WITH METAL PANELS EWS-03A POINT SUPPORTED GLASS CURTAIN WALL EWS-03B SLOPING POINT-SUPPORTED GLASS CURTAIN WALL WITH INTEGRATED GUTTER					



2 TYPICAL CONCRETE CONTROL JOINT DIAGRAM
1/8" = 1'-0"



1 ELEVATION NORTH - STATION
1/8" = 1'-0"



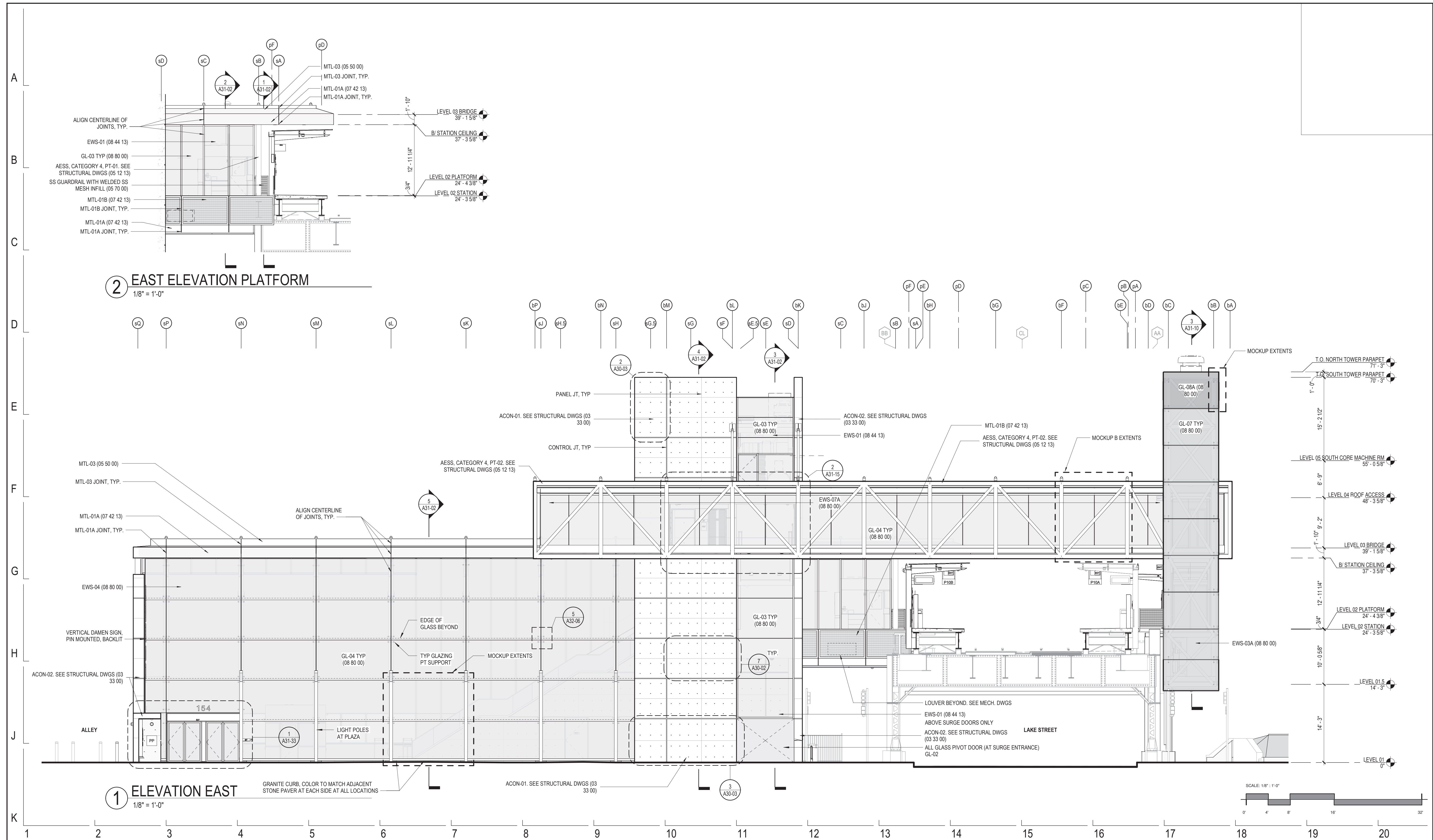
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APPROVED BY:		09/29/20	ISSUE FOR BID - REVISION 1	BS	AS	JH		
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
EXTERIOR ELEVATIONS - NORTH
 CDOT PROJECT D-7-135 DATE: 09/29/20

SPEC. NO.	
DRAWING NO.	A20-01
REVISION NO.	



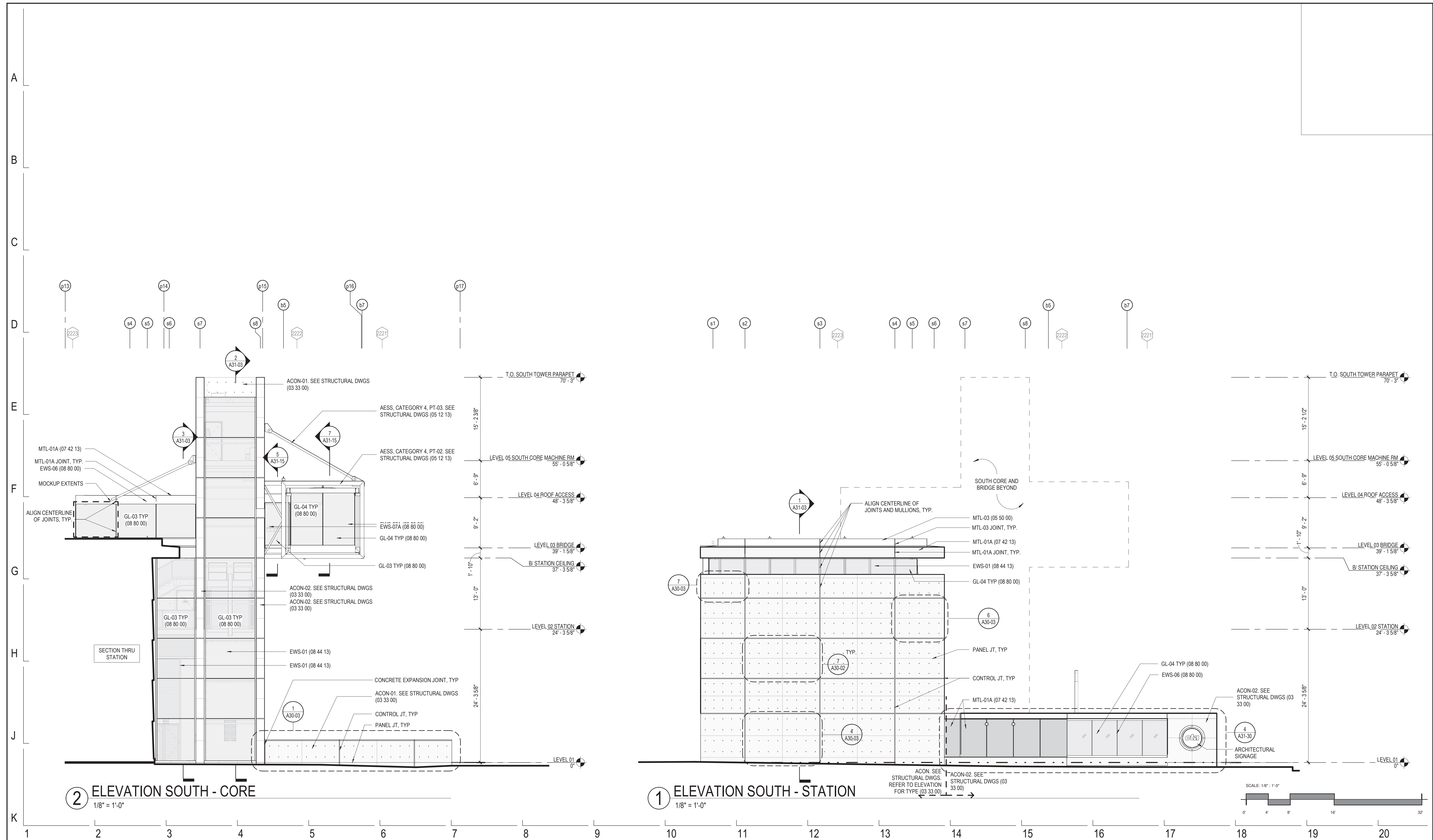
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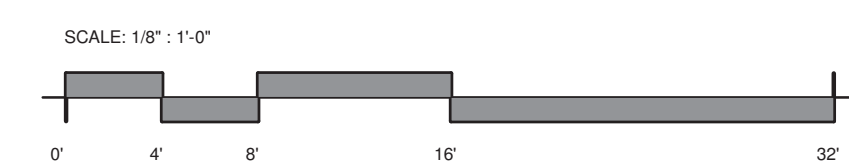
154 N DAMEN AVE - DAMEN GREEN LINE STATION
EXTERIOR ELEVATIONS - EAST
CDOT PROJECT D-7-135
DATE: 01/27/2020

SPEC. NO.
DRAWING NO.
A20-02
REVISION NO.



2 ELEVATION SOUTH - CORE
1/8" = 1'-0"

1 ELEVATION SOUTH - STATION
1/8" = 1'-0"



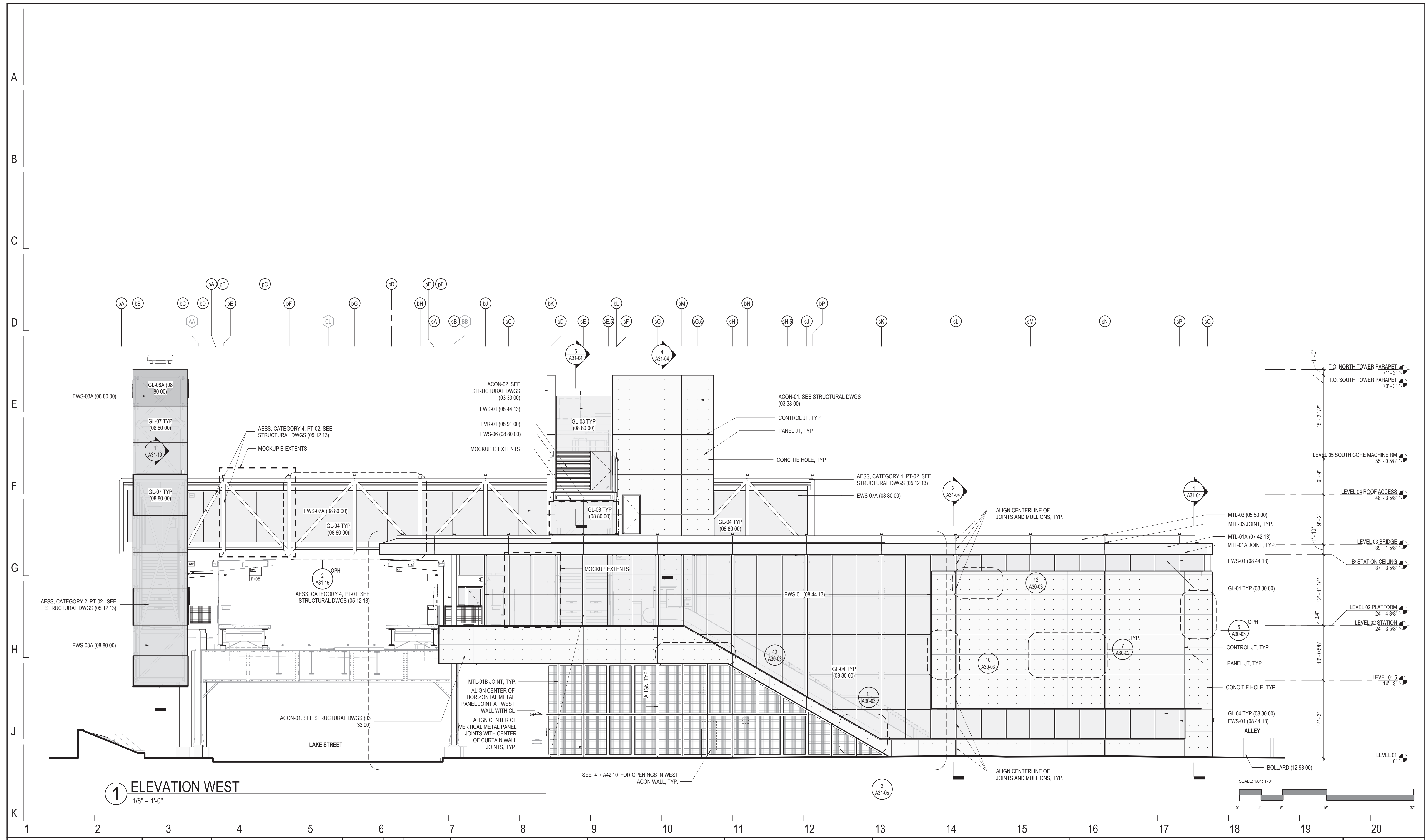
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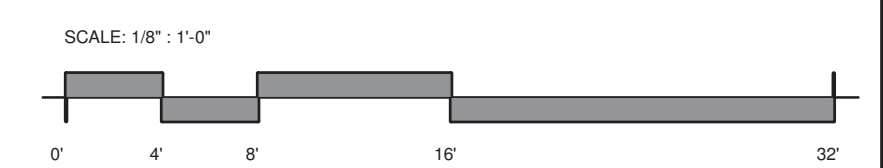
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
EXTERIOR ELEVATIONS - SOUTH
CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
DRAWING NO.
A20-03
REVISION NO.



1 ELEVATION WEST
1/8" = 1'-0"



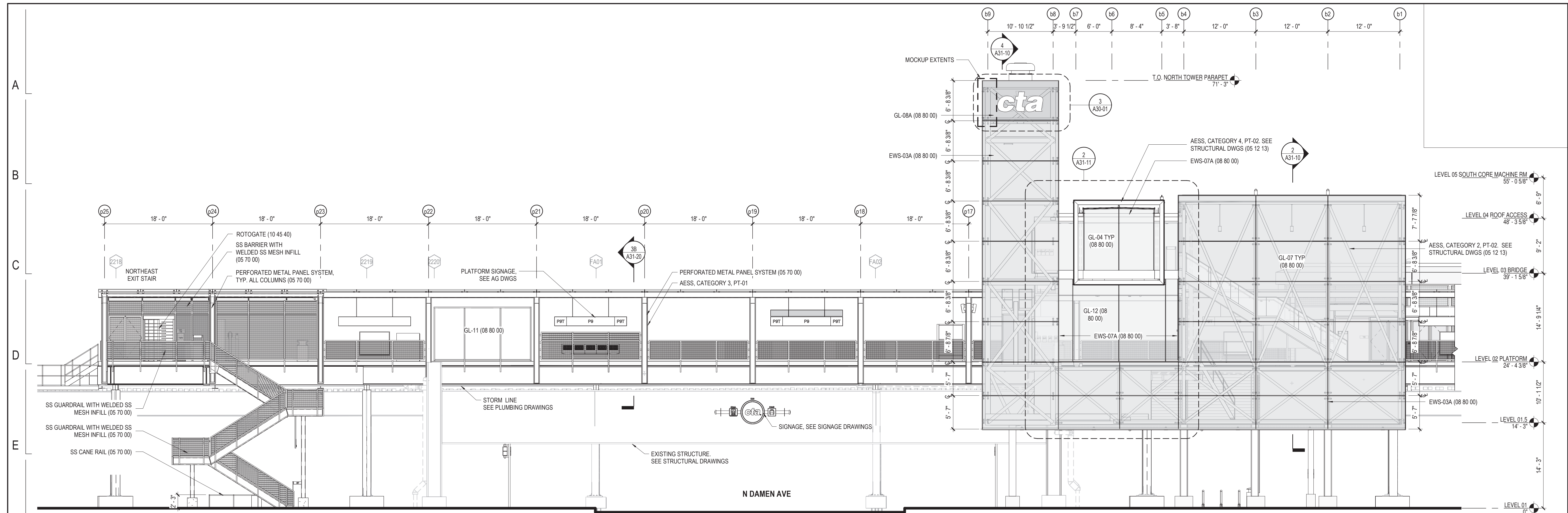
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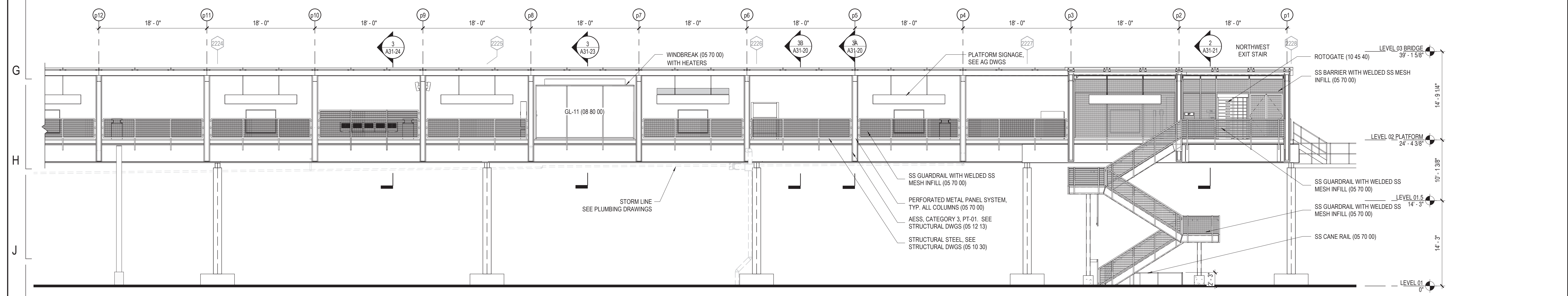
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
EXTERIOR ELEVATIONS - WEST
CDOT PROJECT D-7-135 DATE: 01/27/2020

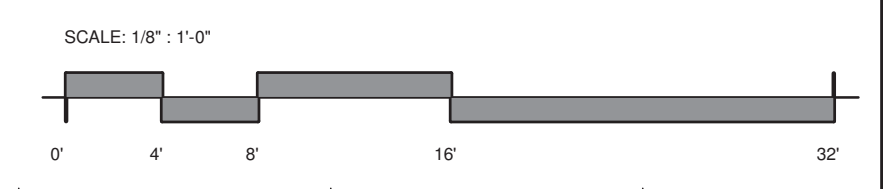
SPEC. NO.
DRAWING NO.
A20-04
REVISION NO.



2 OUTBOUND PLATFORM - NORTH ELEVATION
1/8" = 1'-0"



1 OUTBOUND PLATFORM - NORTH ELEVATION CONT'D
1/8" = 1'-0"



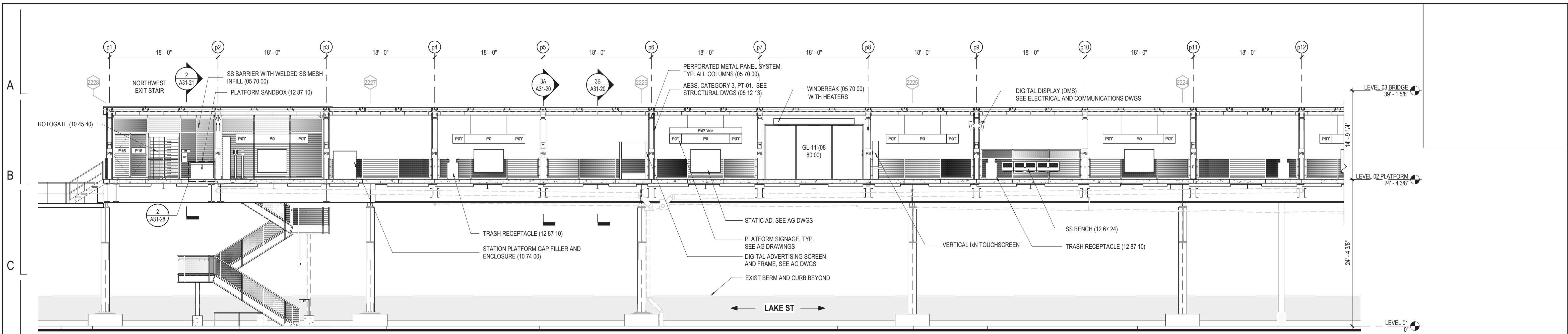
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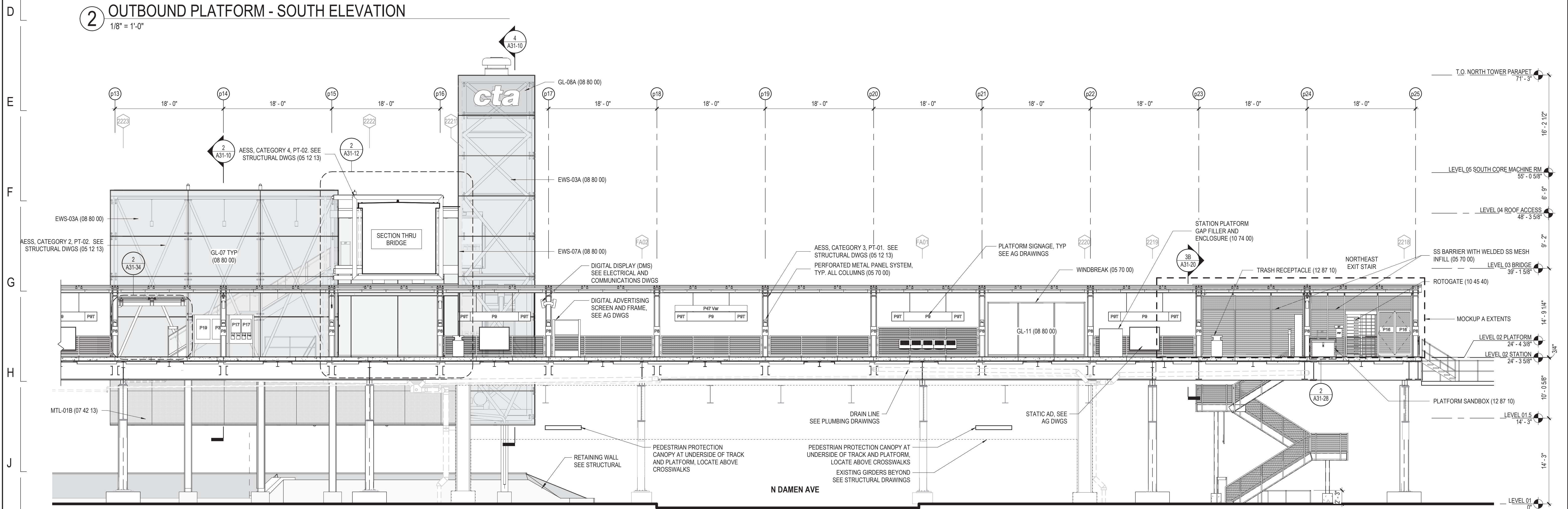
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
EXTERIOR ELEVATIONS - OUTBOUND PLATFORM NORTH
CDOT PROJECT D-7-135 DATE: 01/27/2020

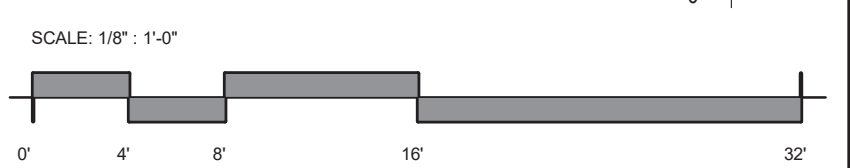
SPEC. NO.
DRAWING NO. **A20-05A**
REVISION NO.



2 OUTBOUND PLATFORM - SOUTH ELEVATION
1/8" = 1'-0"



1 OUTBOUND PLATFORM - SOUTH ELEVATION CONT'D
1/8" = 1'-0"

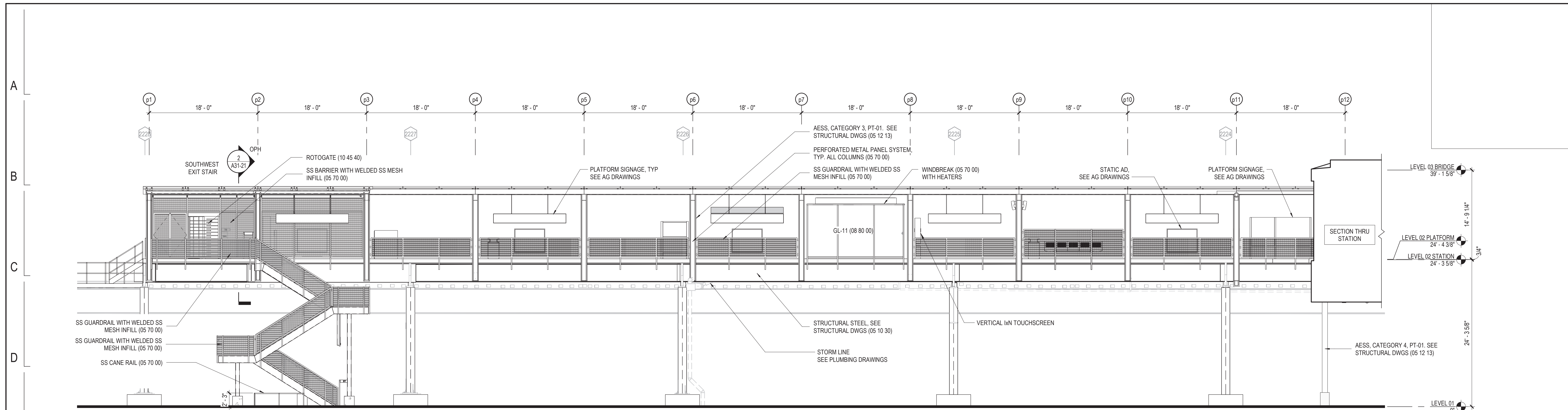


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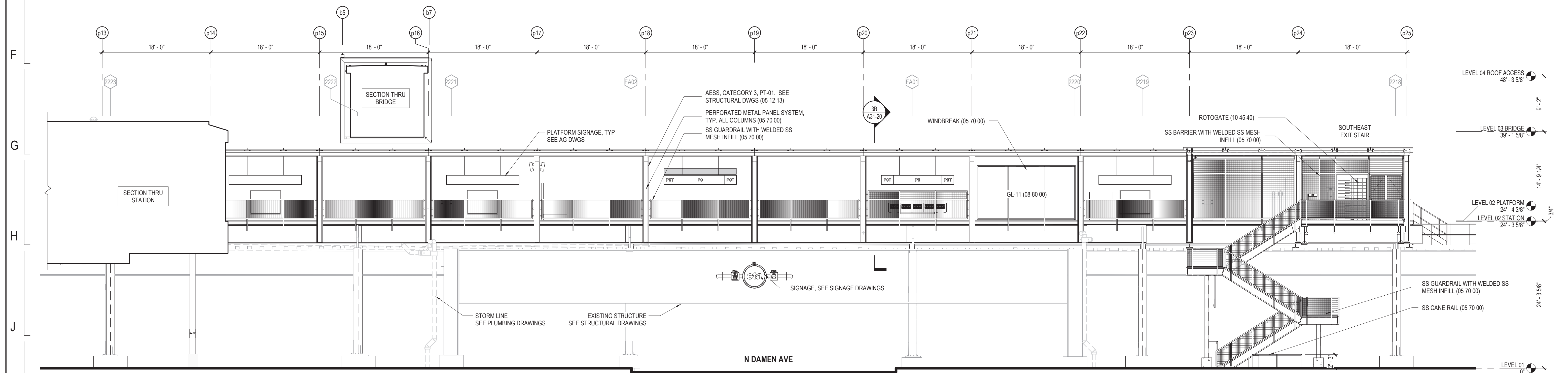
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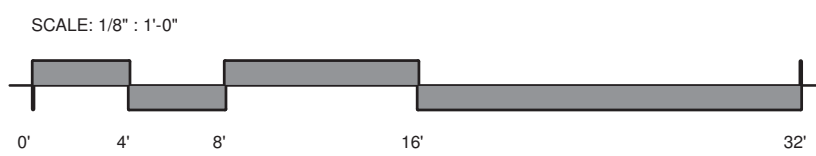
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
EXTERIOR ELEVATIONS - OUTBOUND PLATFORM SOUTH		DRAWING NO. A20-05B
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



2 INBOUND PLATFORM - SOUTH ELEVATION
1/8" = 1'-0"



1 INBOUND PLATFORM - SOUTH ELEVATION CONT'D
1/8" = 1'-0"

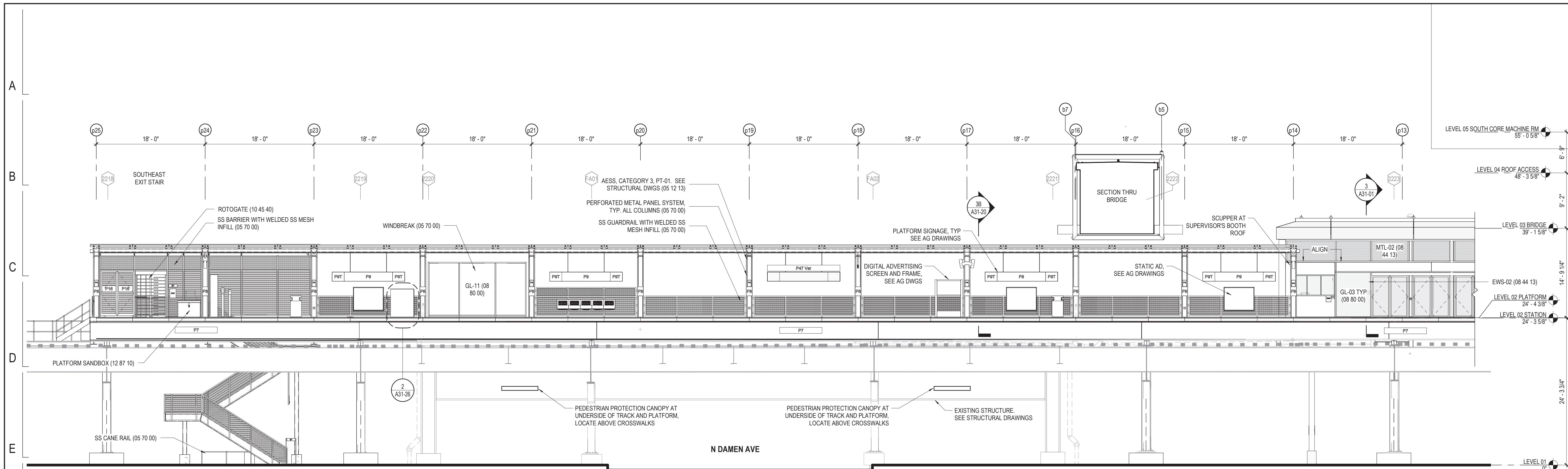


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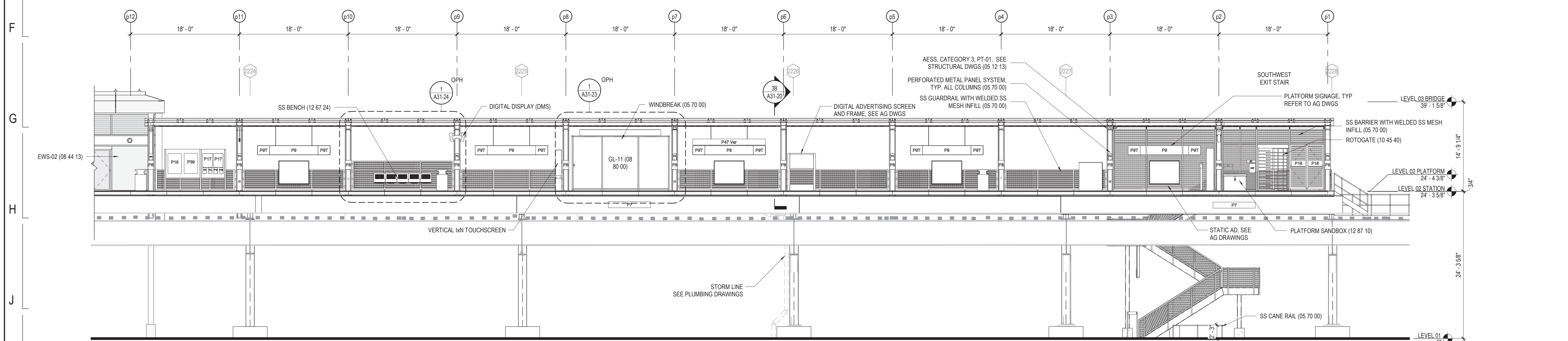
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
EXTERIOR ELEVATIONS - INBOUND PLATFORM SOUTH		DRAWING NO. A20-06A
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



2 INBOUND PLATFORM - NORTH ELEVATION
1/8" = 1'-0"



1 INBOUND PLATFORM - NORTH ELEVATION CONT'D
1/8" = 1'-0"

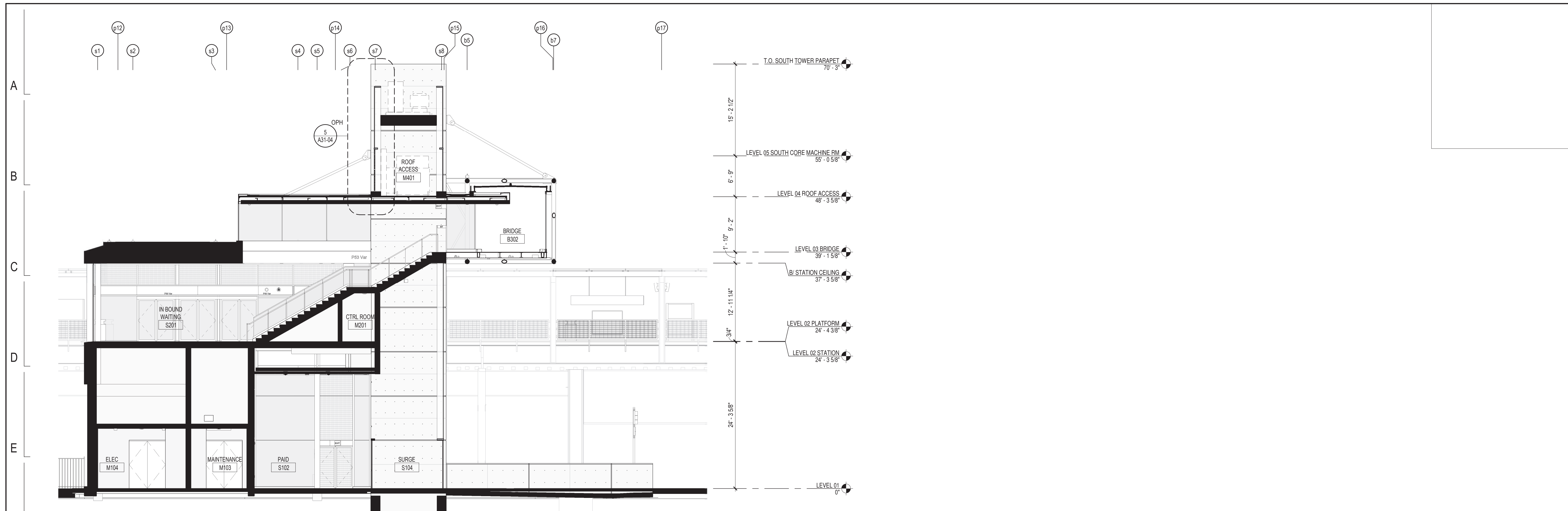
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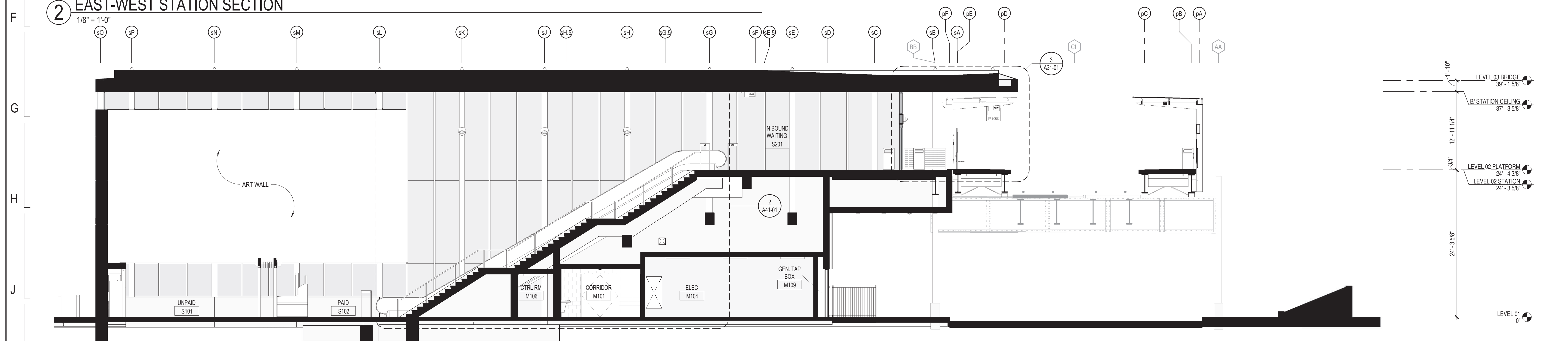
154 N DAMEN AVE - DAMEN GREEN LINE STATION
EXTERIOR ELEVATIONS - INBOUND PLATFORM NORTH
CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
DRAWING NO. **A20-06B**
REVISION NO.



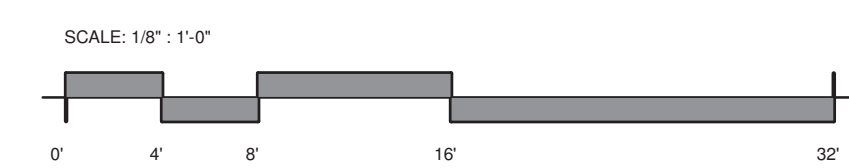
2 EAST-WEST STATION SECTION

1/8" = 1'-0"



1 NORTH-SOUTH STATION SECTION

1/8" = 1'-0"



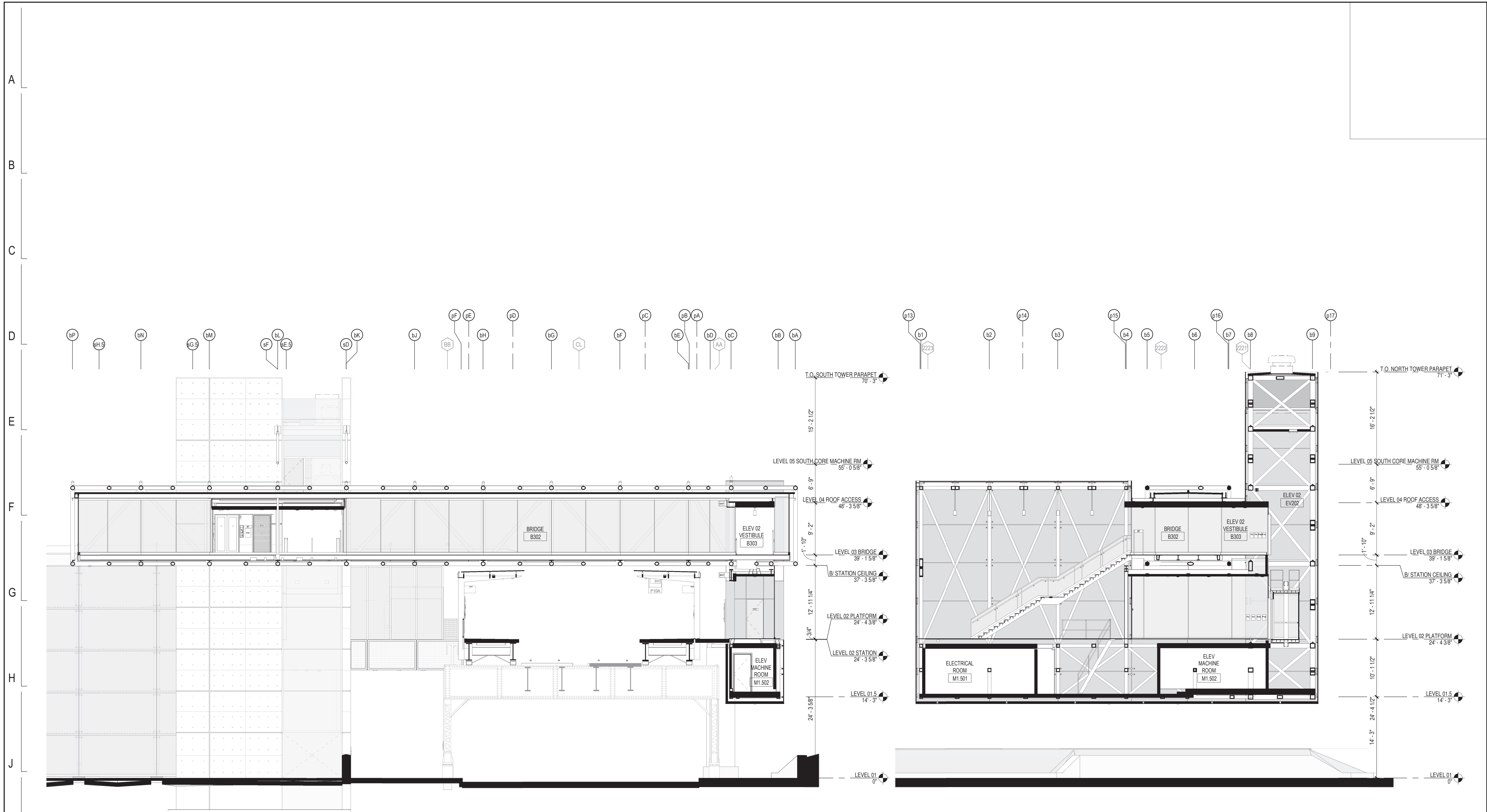
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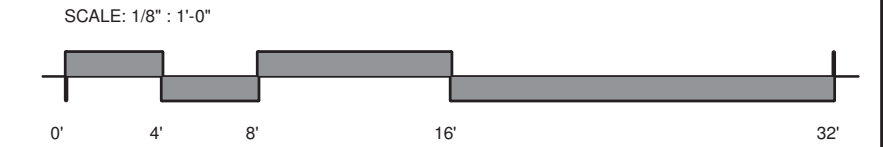
154 N DAMEN AVE - DAMEN GREEN LINE STATION
OVERALL SECTIONS
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
 DRAWING NO.
A21-01
 REVISION NO.



2 BRIDGE / PLATFORM SECTION
1/8" = 1'-0"

1 NORTH TOWER SECTION
1/8" = 1'-0"



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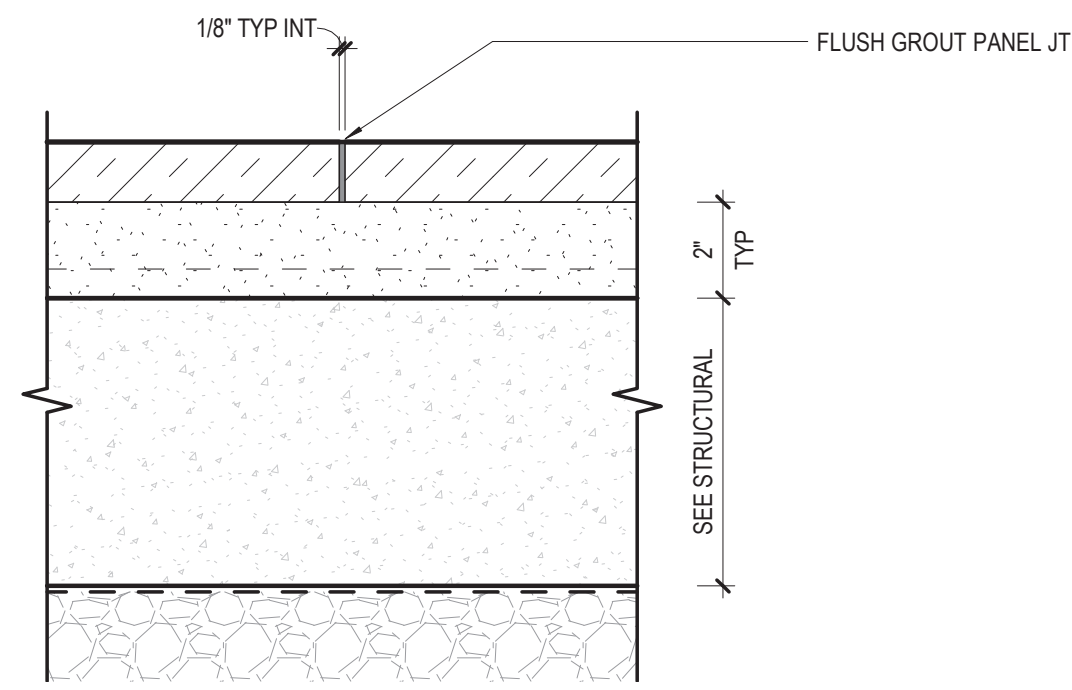
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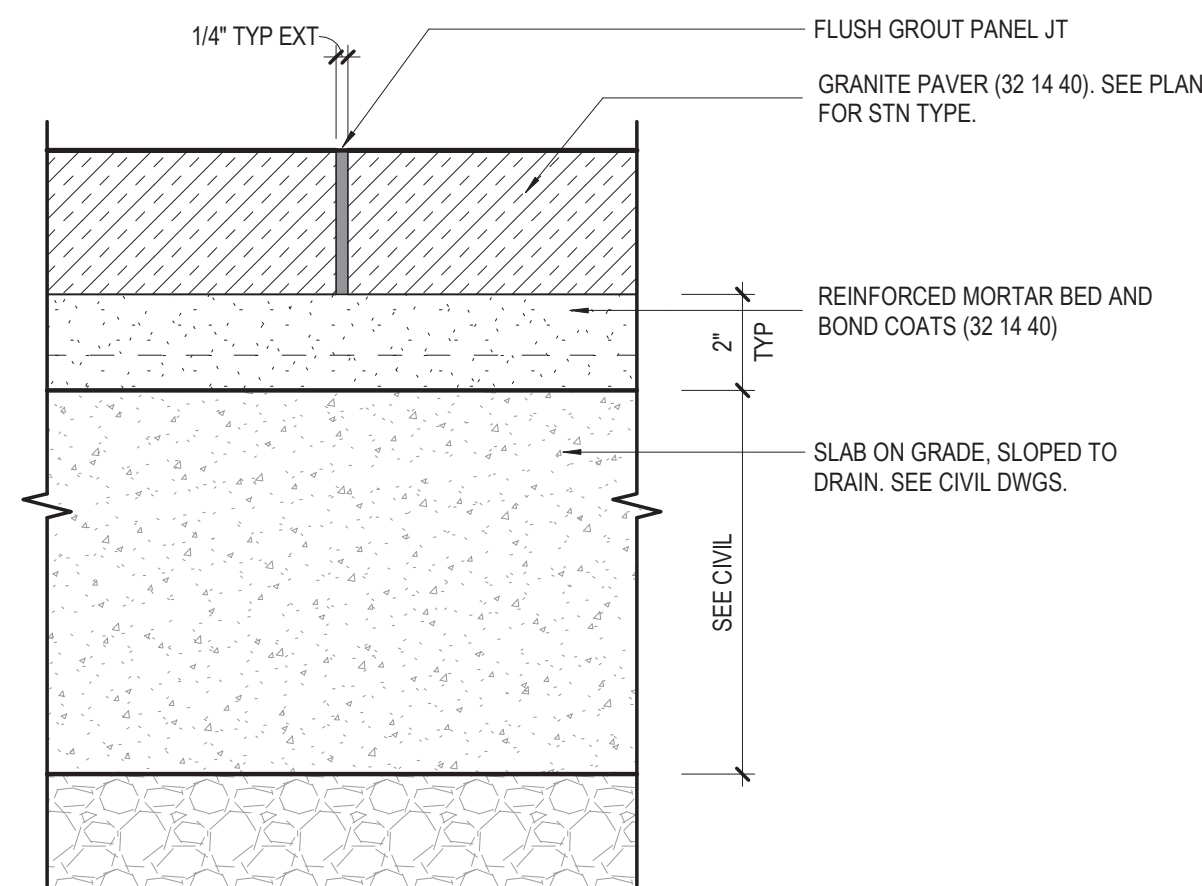
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
OVERALL SECTIONS
 CDOT PROJECT D-7-135 DATE: 01/27/2020

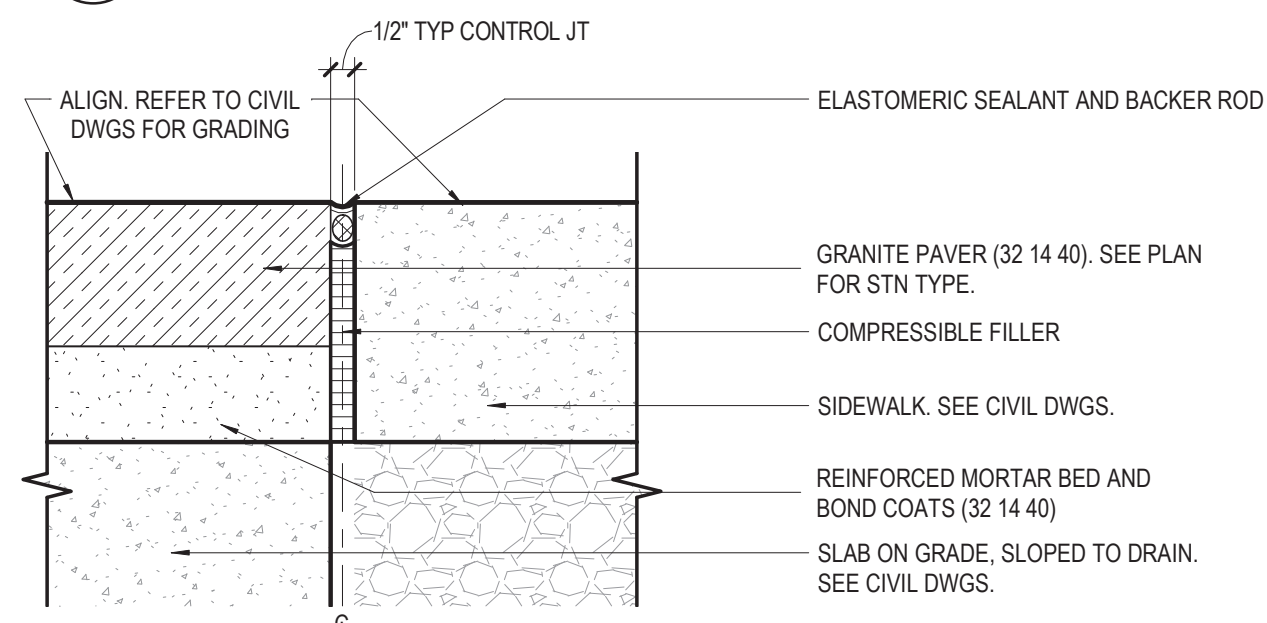
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A21-02
 REVISION NO.



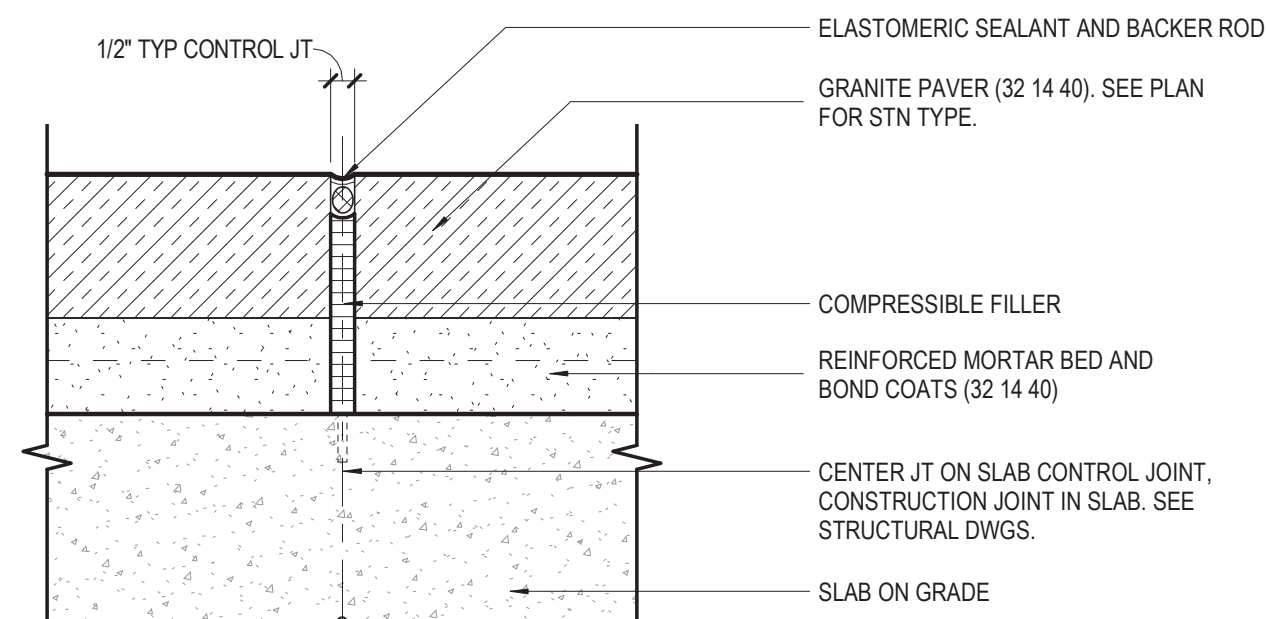
8 INTERIOR PAVER ASSEMBLY
3" = 1'-0"



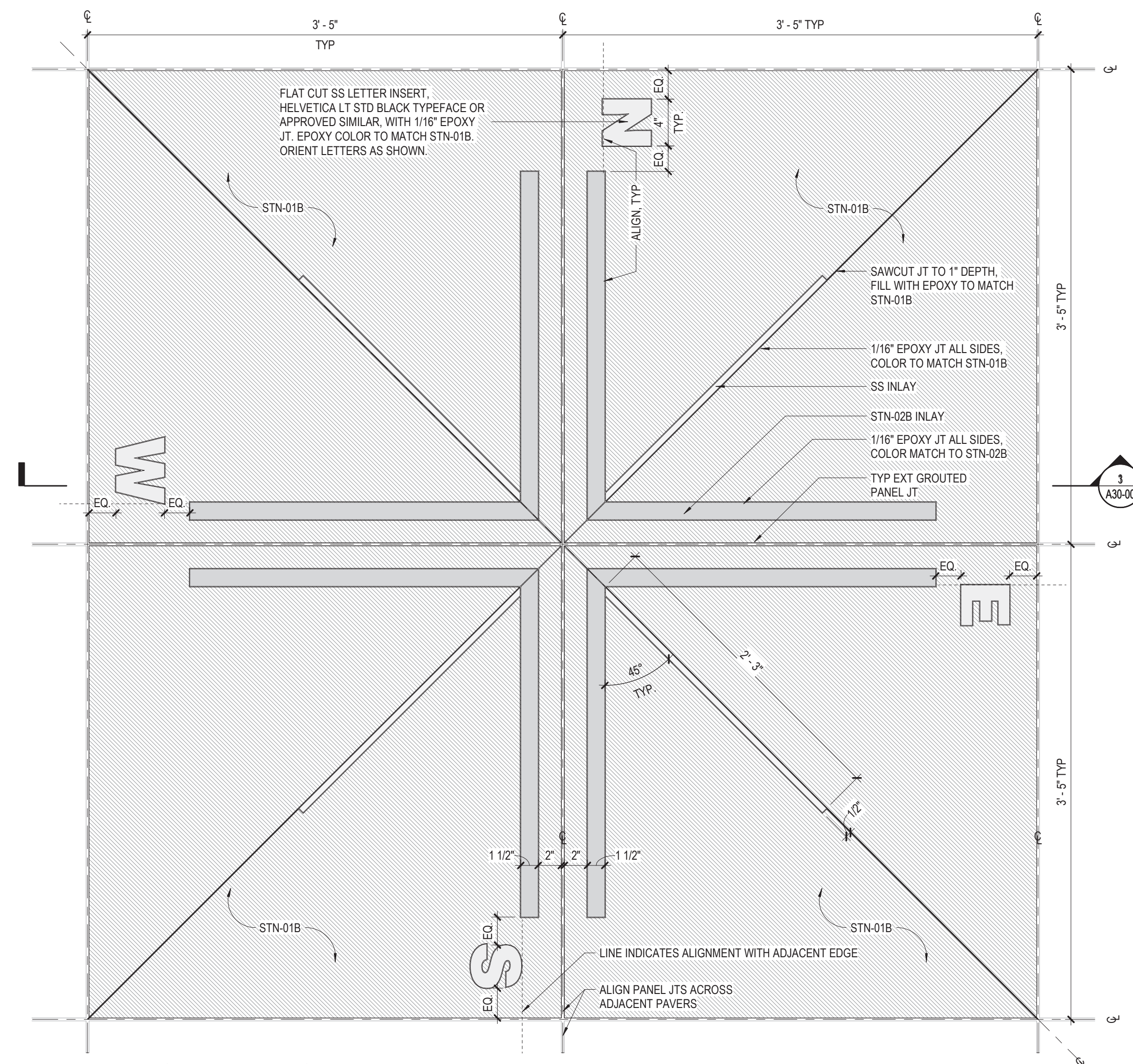
7 EXTERIOR PAVER ASSEMBLY
3" = 1'-0"



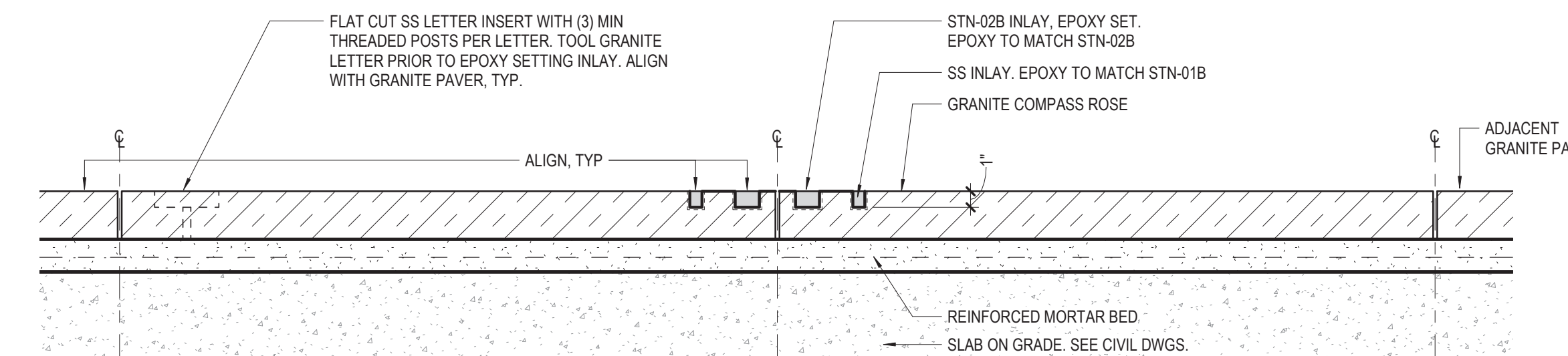
6 SECTION - GRANITE PAVER AT SIDEWALK
3" = 1'-0"



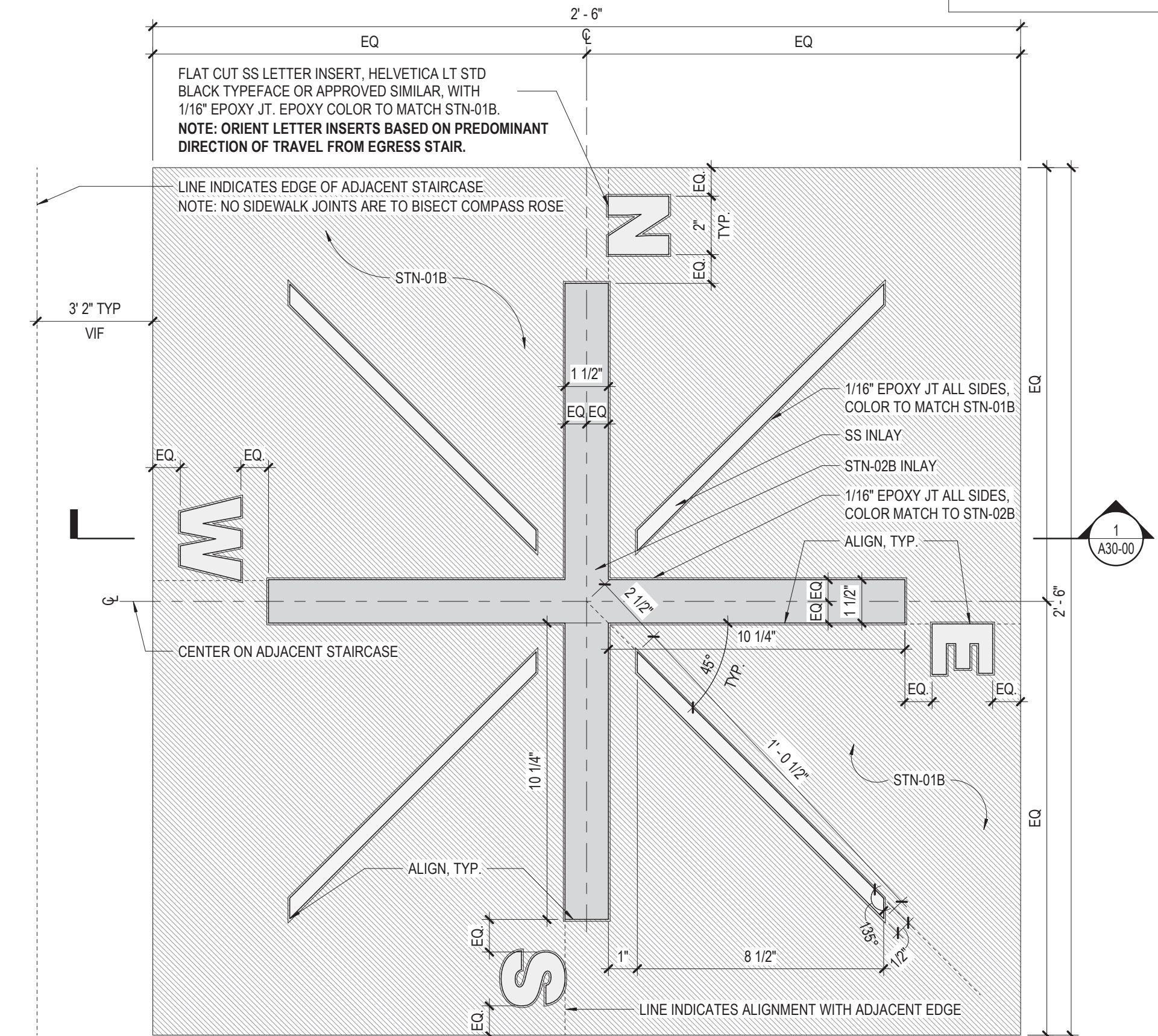
5 TYP GRANITE PAVER CONTROL JT
3" = 1'-0"



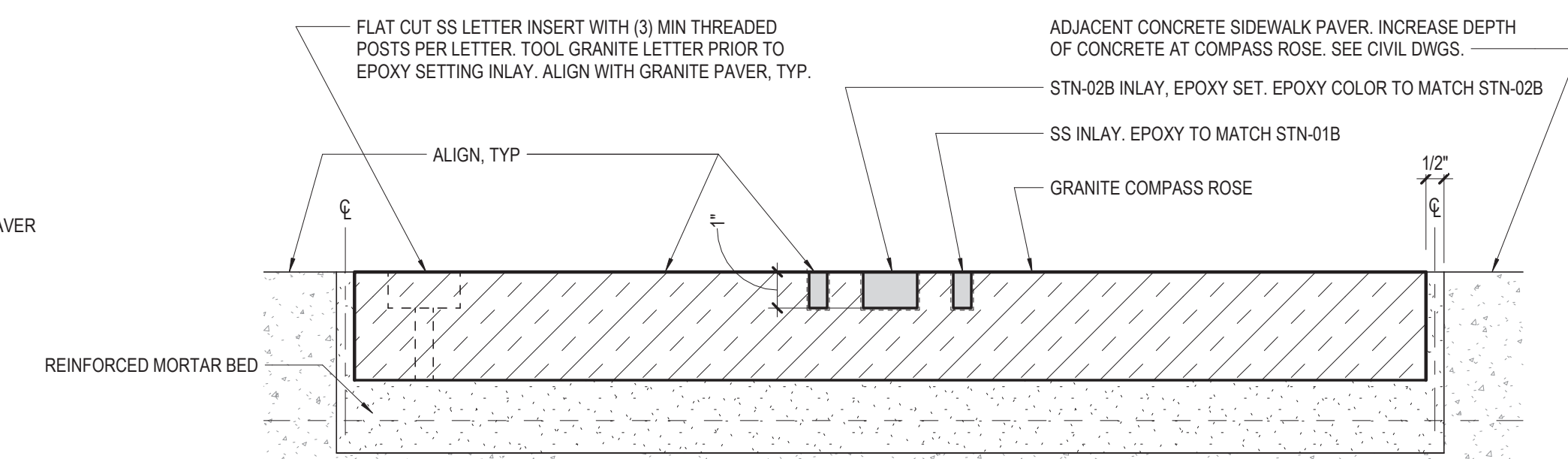
4 COMPASS ROSE TYPE 'A' PLAN DETAIL
1 1/2" = 1'-0"



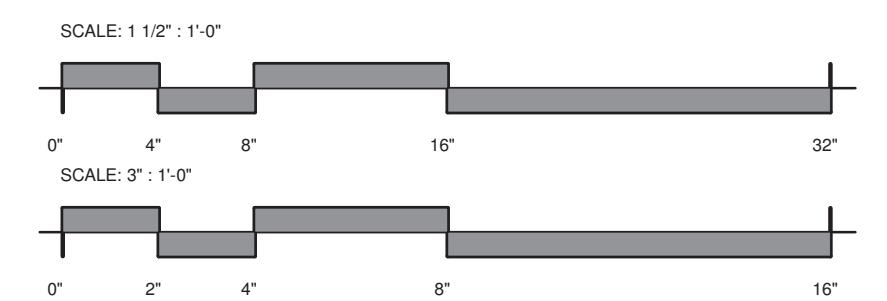
3 COMPASS ROSE TYPE 'A' SECTION DETAIL
1 1/2" = 1'-0"



2 COMPASS ROSE TYPE 'B' PLAN DETAIL
3" = 1'-0"



1 COMPASS ROSE TYPE 'B' SECTION DETAIL
3" = 1'-0"



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

ARCHITECTURAL ASSEMBLIES AND DETAILS - GRANITE

CDOT PROJECT D-7-135

DATE: 01/27/2020

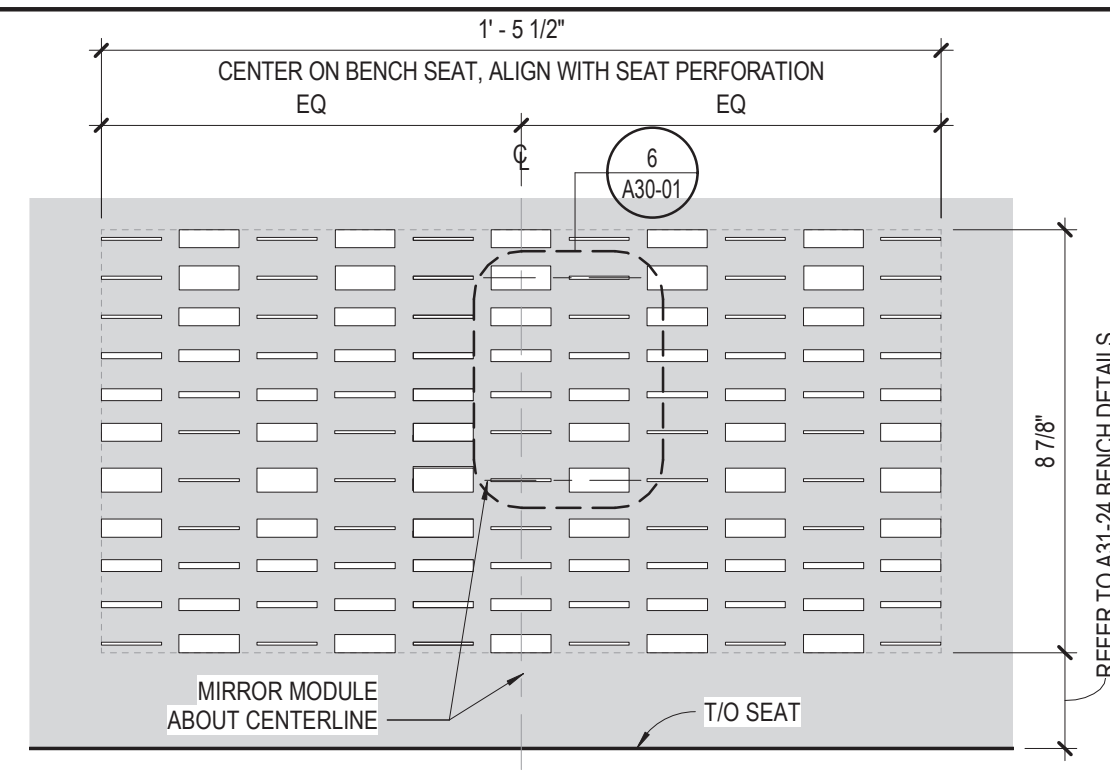
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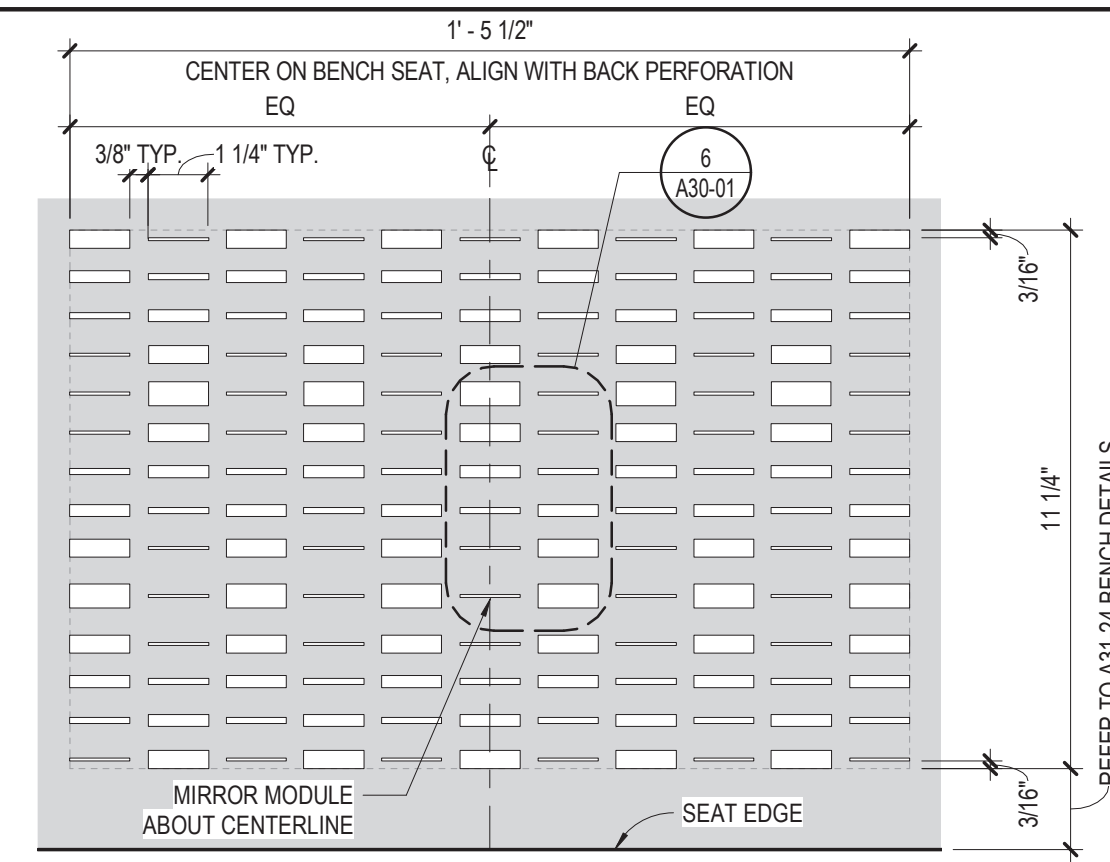
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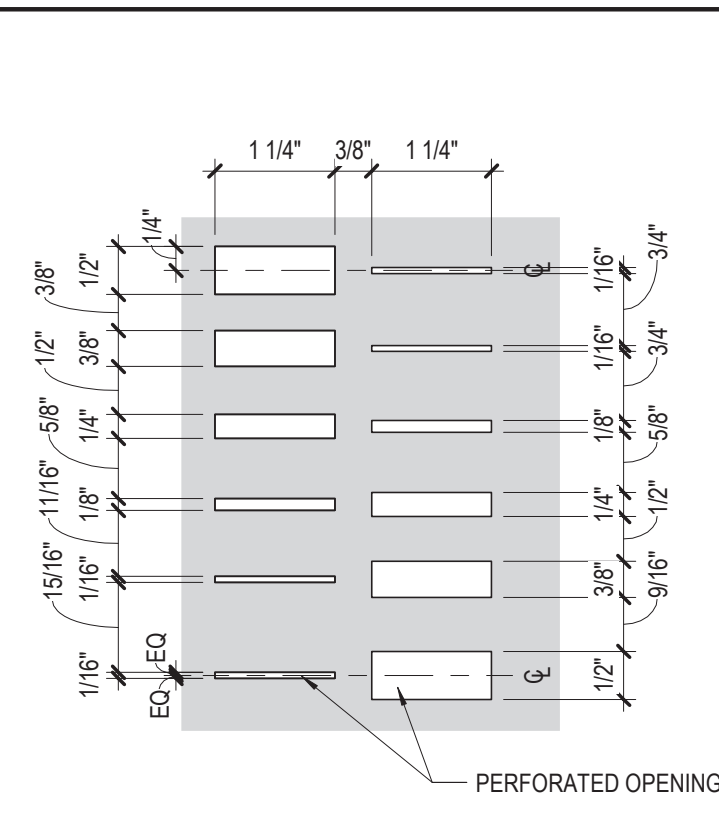
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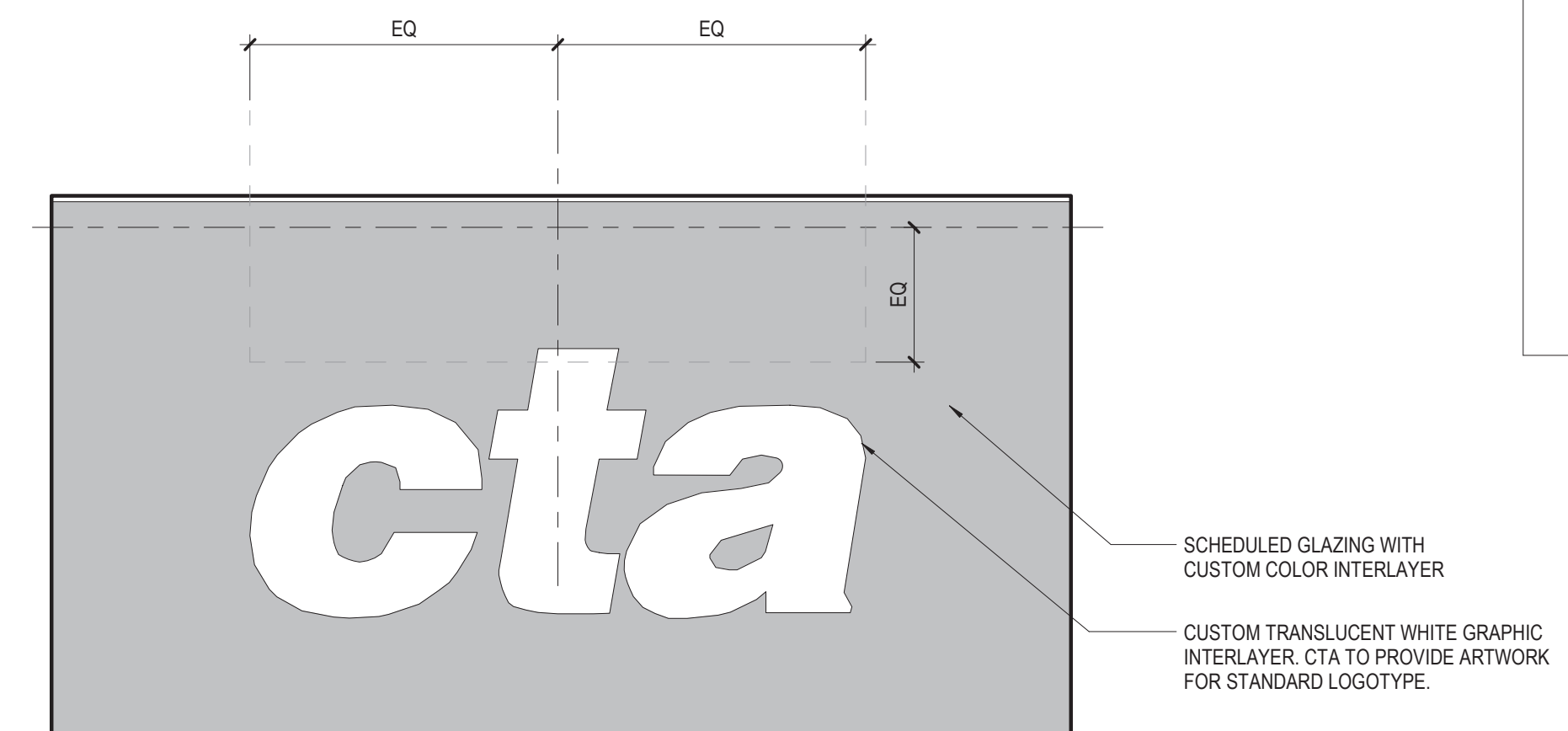
10 TYP BENCH SEAT BACK PERFORATION
3" = 1'-0"



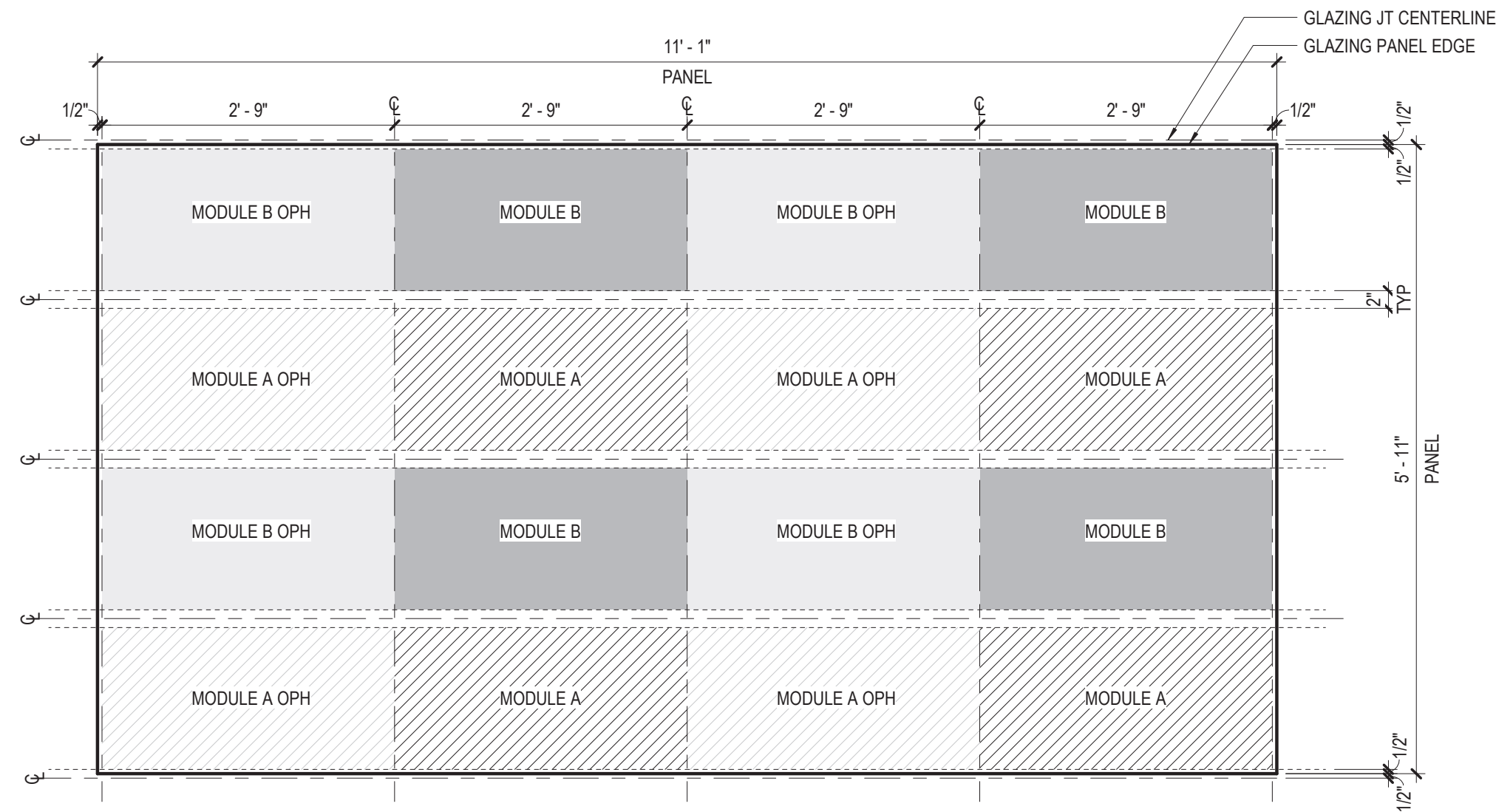
9 TYP BENCH SEAT PERFORATION
3" = 1'-0"



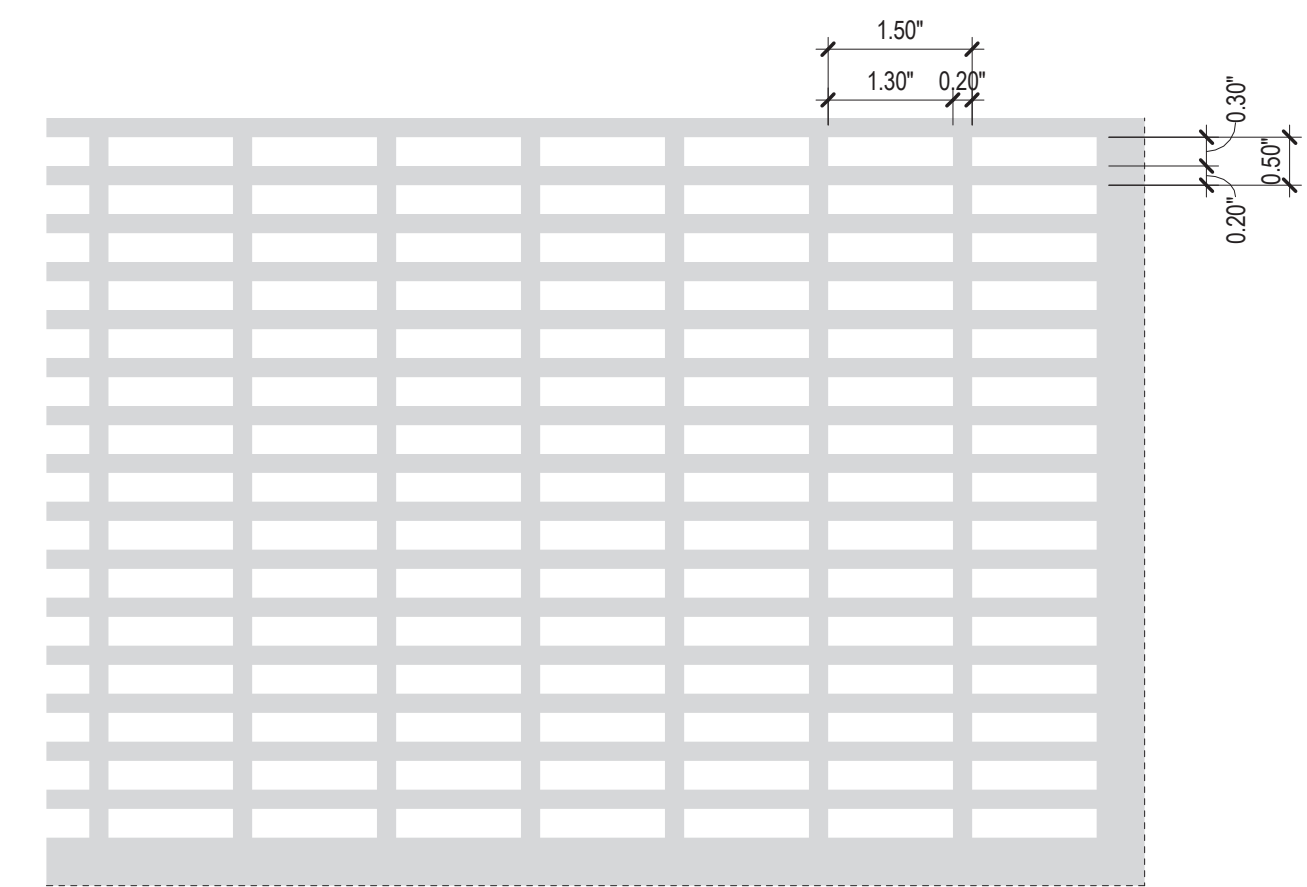
6 MODULE
6" = 1'-0"



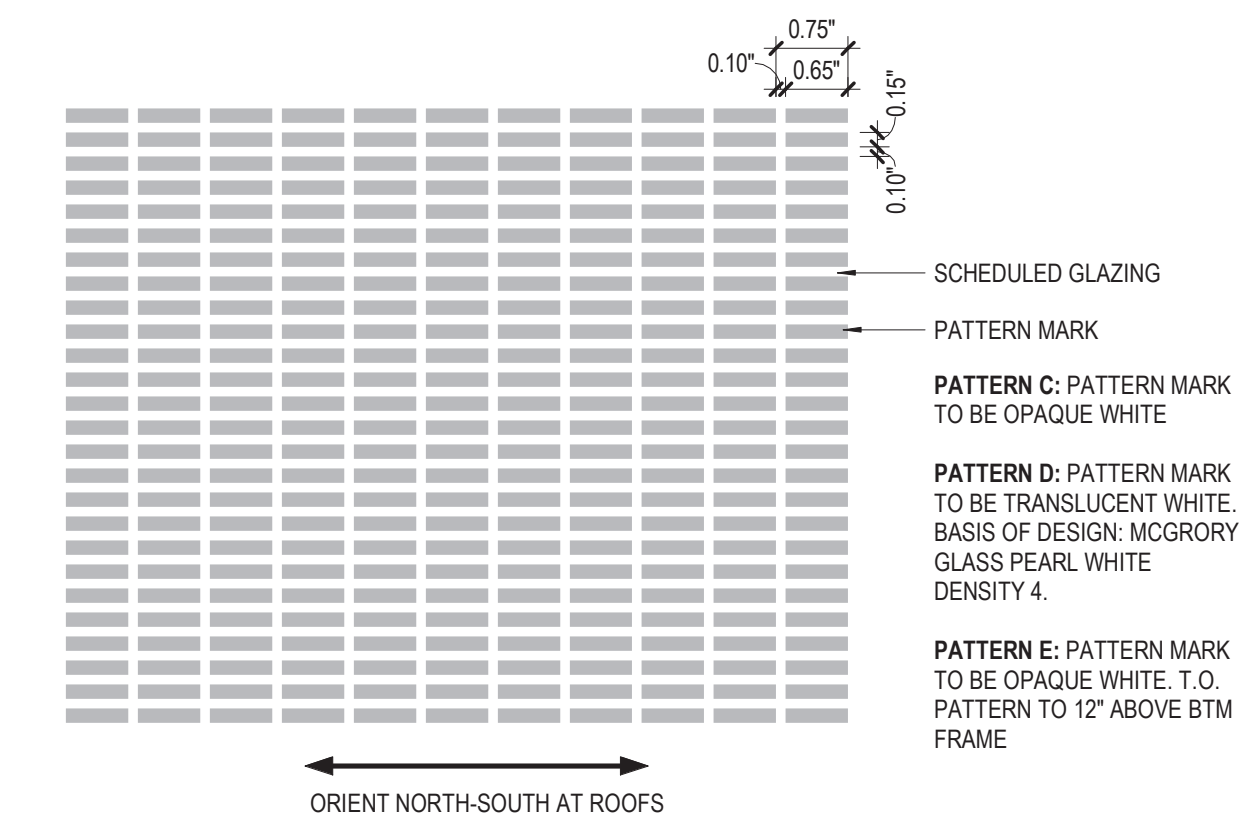
3 GL-08B
1/2" = 1'-0"



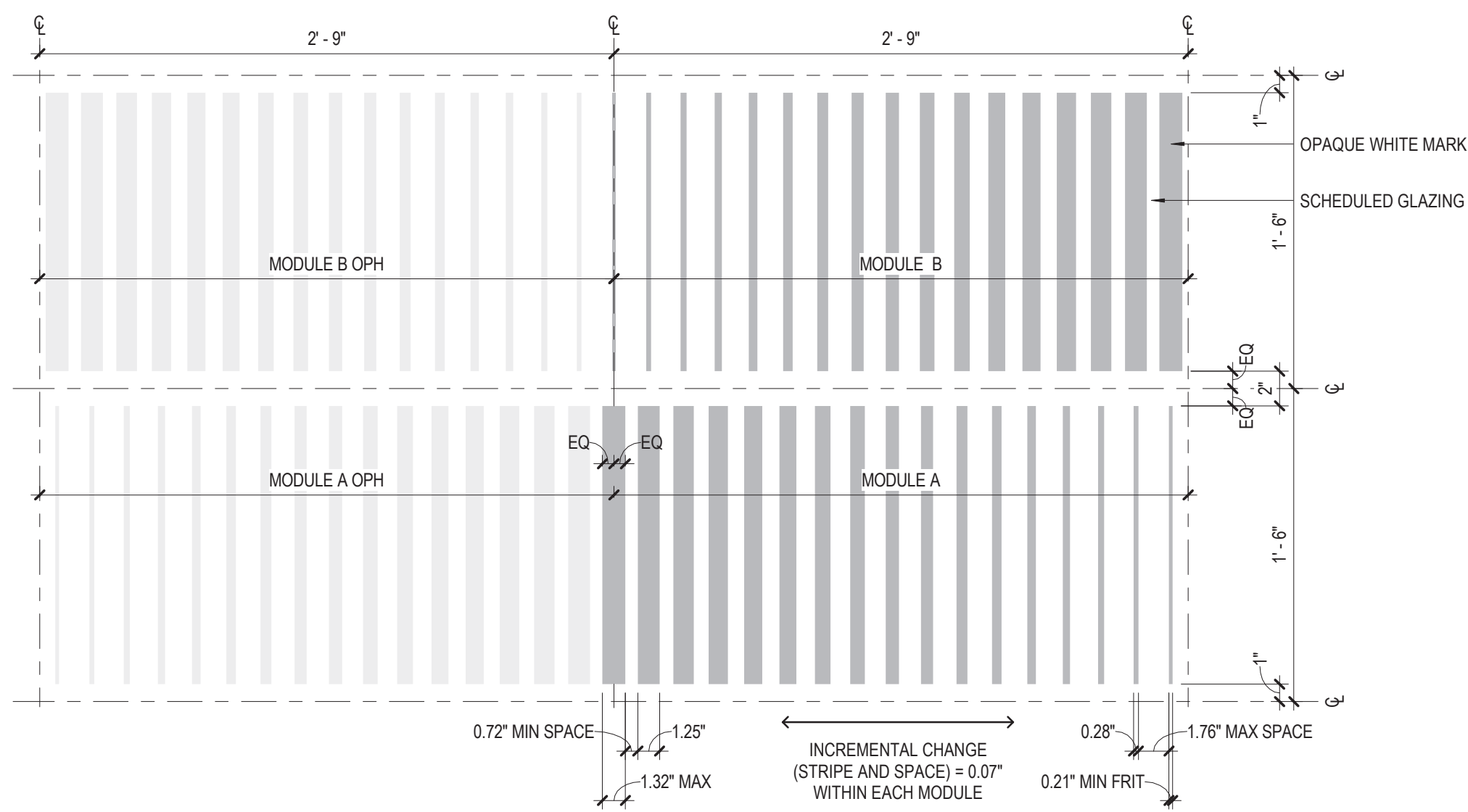
8 PATTERN B TYP PANEL DIAGRAM
3/4" = 1'-0"



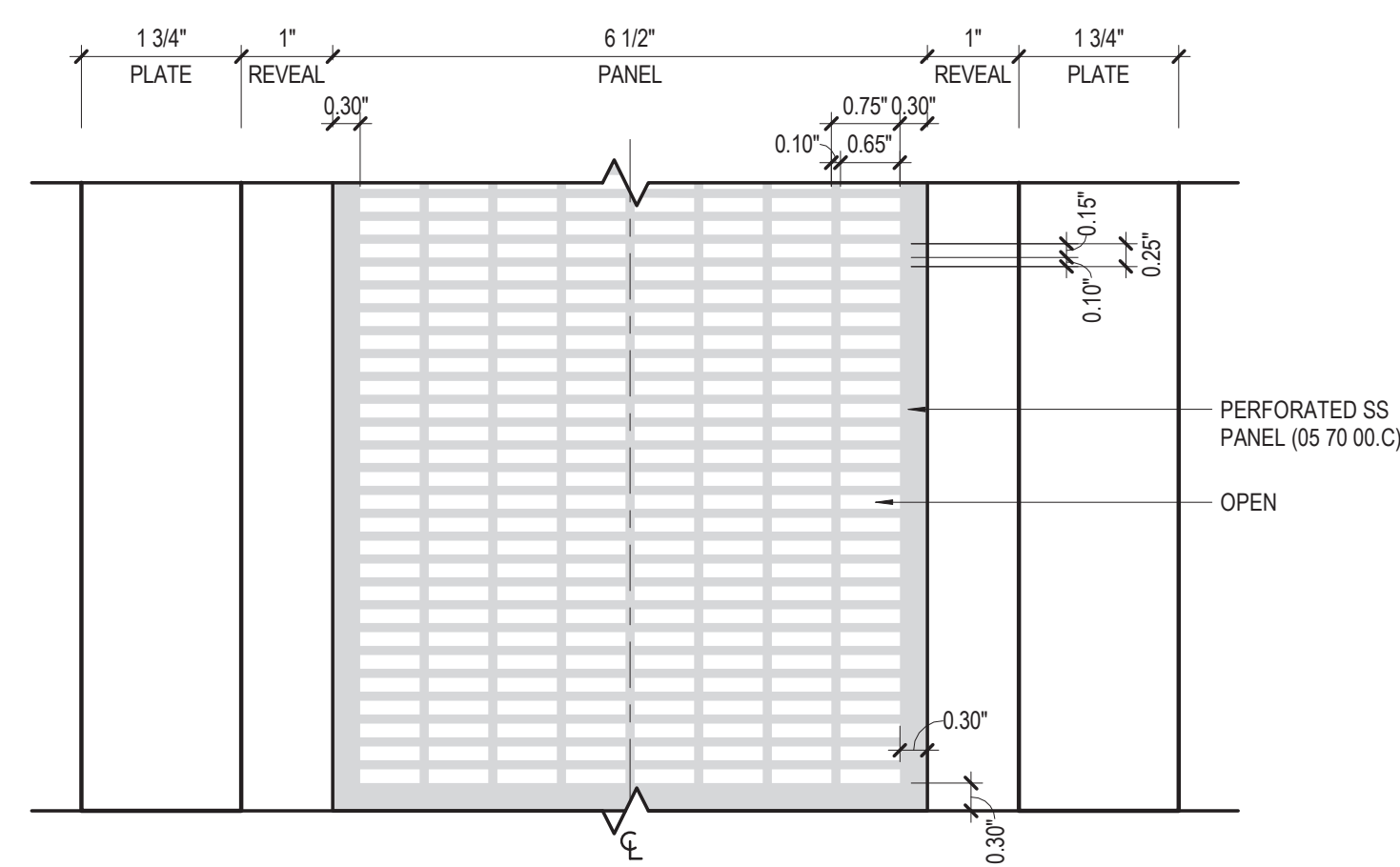
5 PERFORATION PATTERN (MTL-01B, MTL-02)
6" = 1'-0"



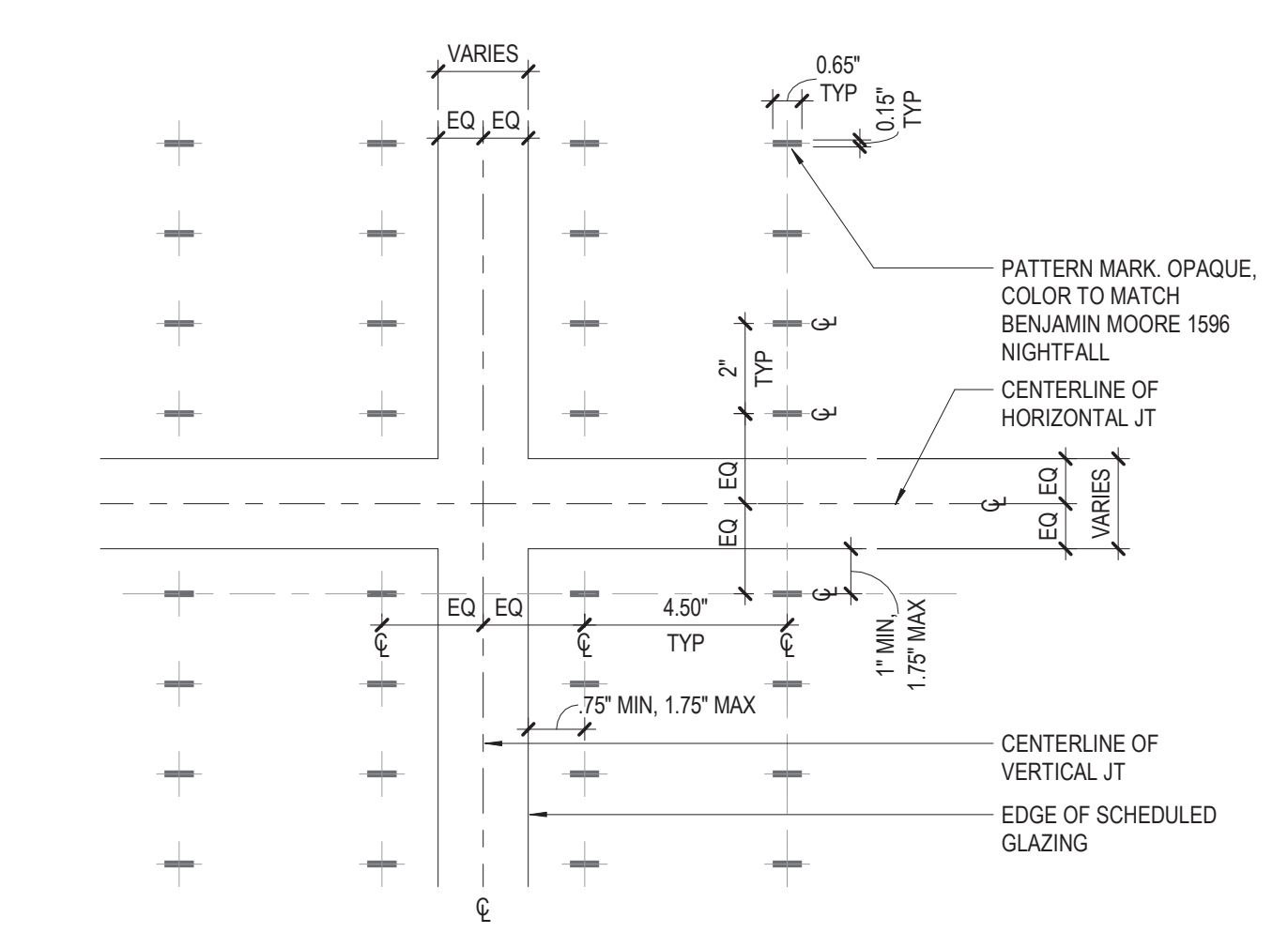
2 PATTERN C, PATTERN D, PATTERN E
6" = 1'-0"



7 PATTERN B MODULE DIAGRAM
1 1/2" = 1'-0"



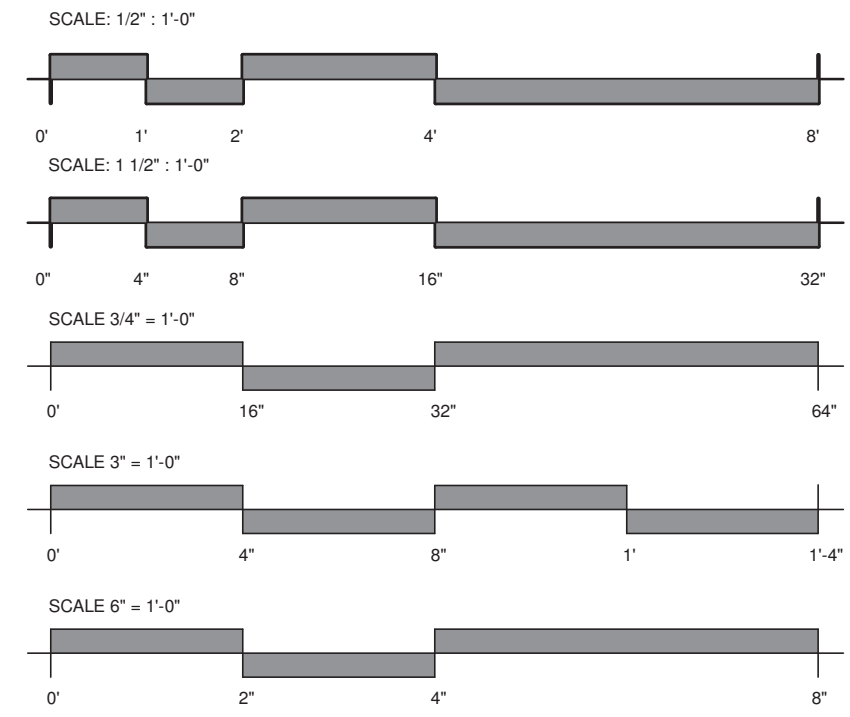
4 TYP PERFORATED METAL PANEL @ PLATFORM
6" = 1'-0"



1 PATTERN A
3" = 1'-0"

PATTERN NOTES

- CENTER ALL PATTERNS WITHIN EACH PANEL. EDGE DIMENSIONS NOT TO EXCEED THE MAXIMUM AND MINIMUM DIMENSIONS SHOWN.
- ALIGN PATTERNS ACROSS ADJACENT PANELS.



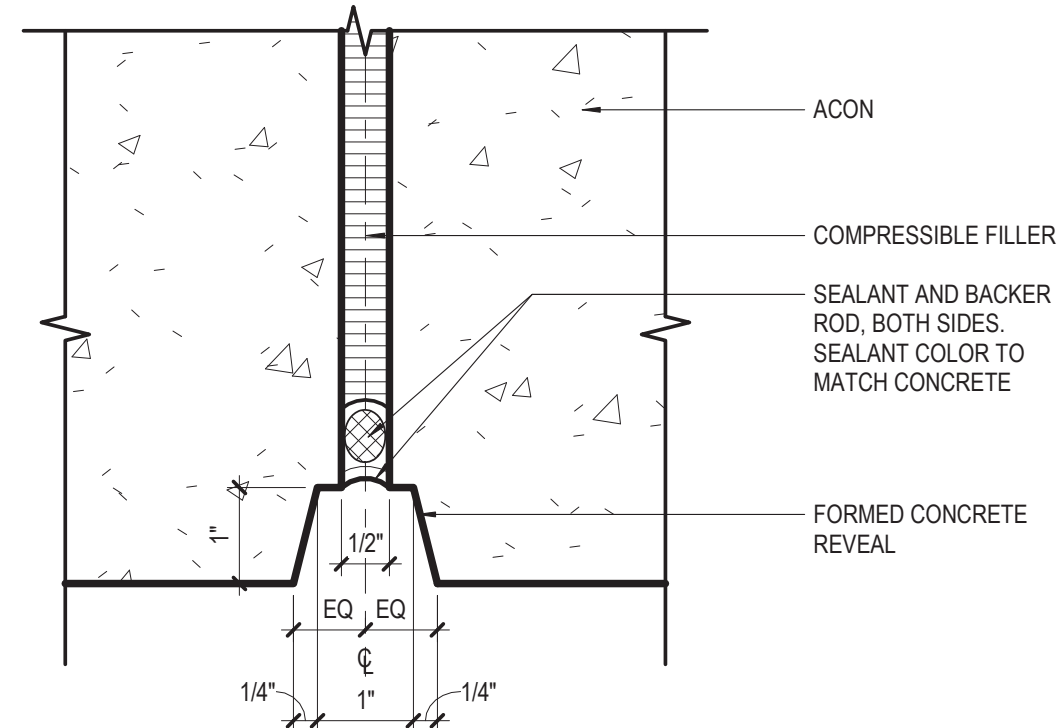
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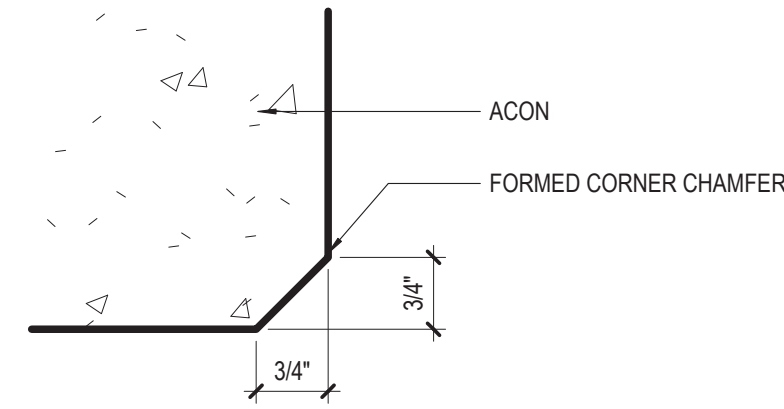
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
ARCHITECTURAL ASSEMBLIES AND DETAILS - PATTERNS
CDOT PROJECT D-7-135
DATE: 01/27/2020

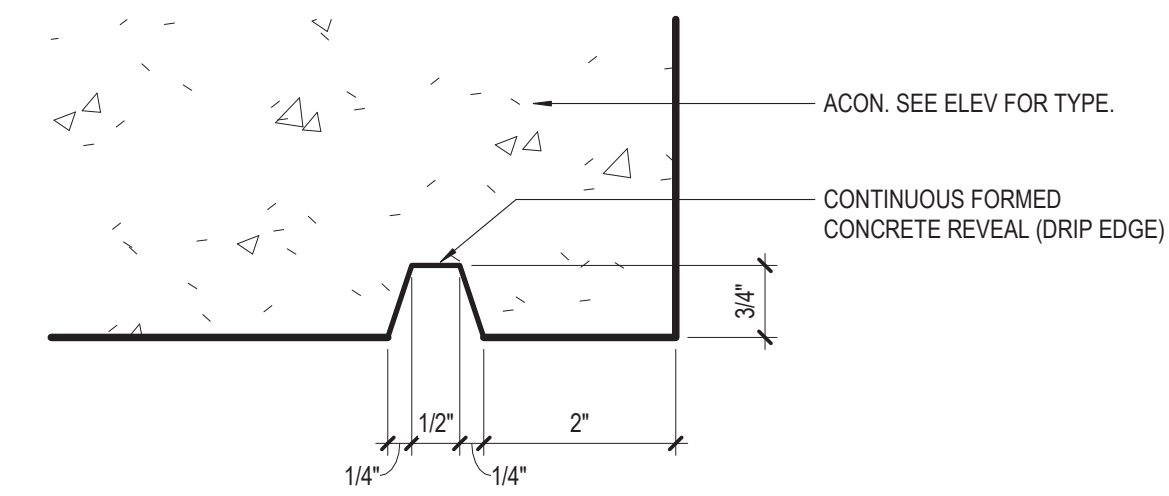
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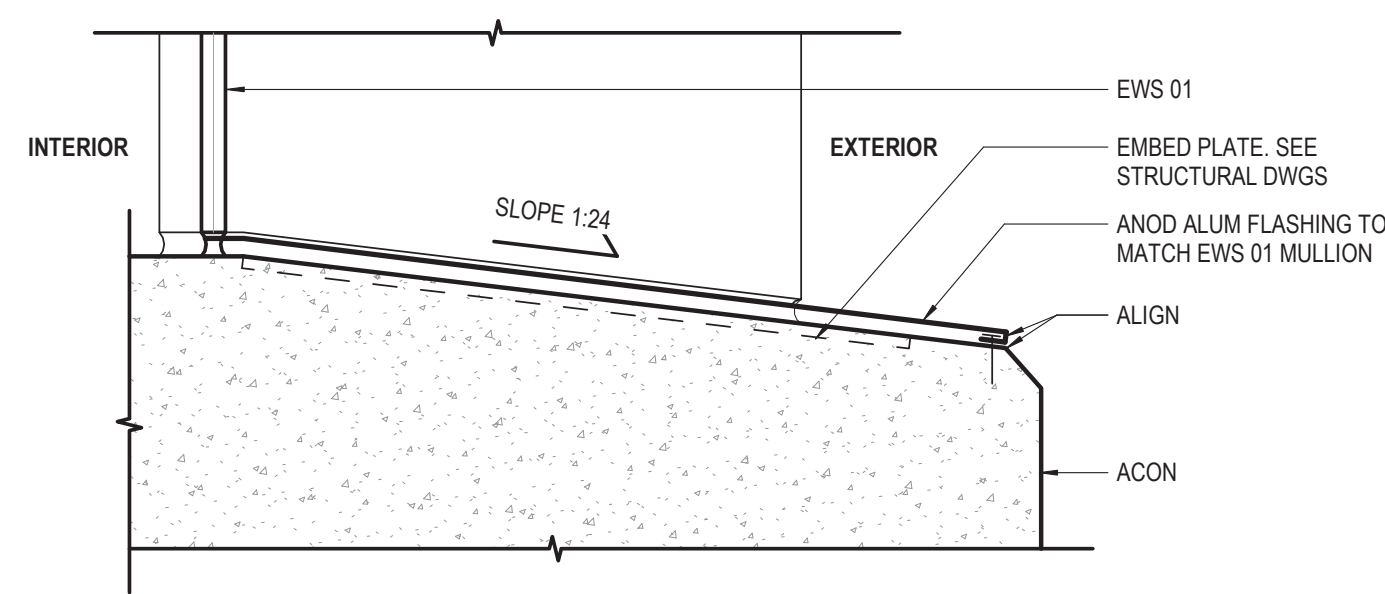
9 TYP EXPANSION JOINT DETAIL
6" = 1'-0"



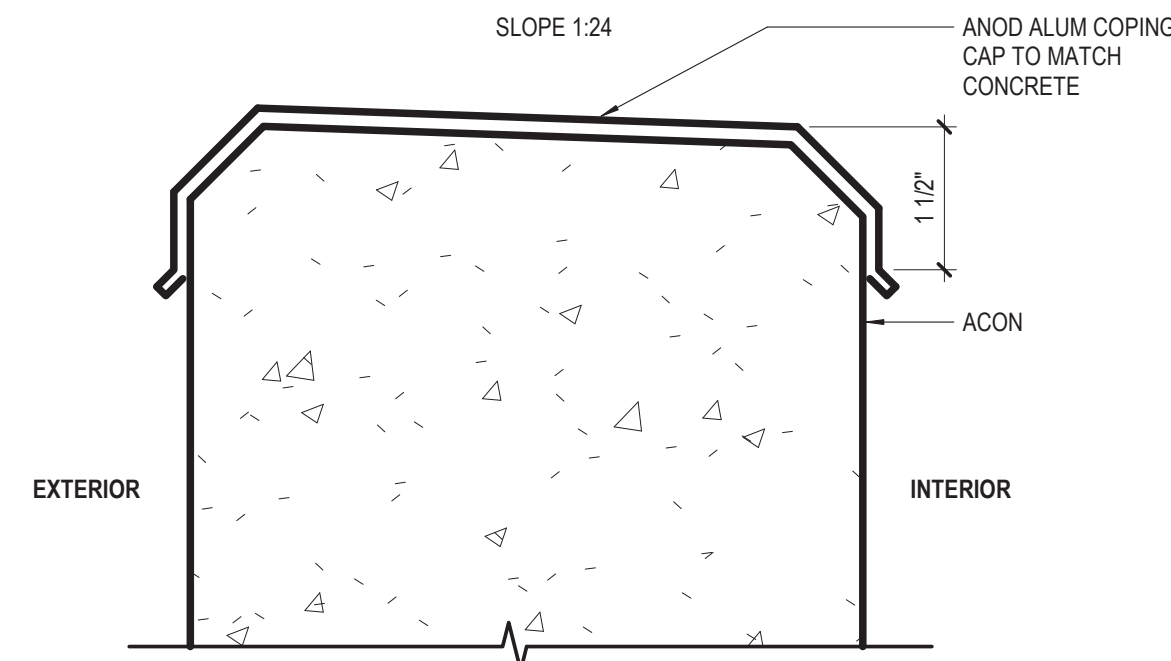
6 TYP CORNER DETAIL
6" = 1'-0" TYP @ CORNERS IN PLAN AND TOP OF WALLS AND CURBS



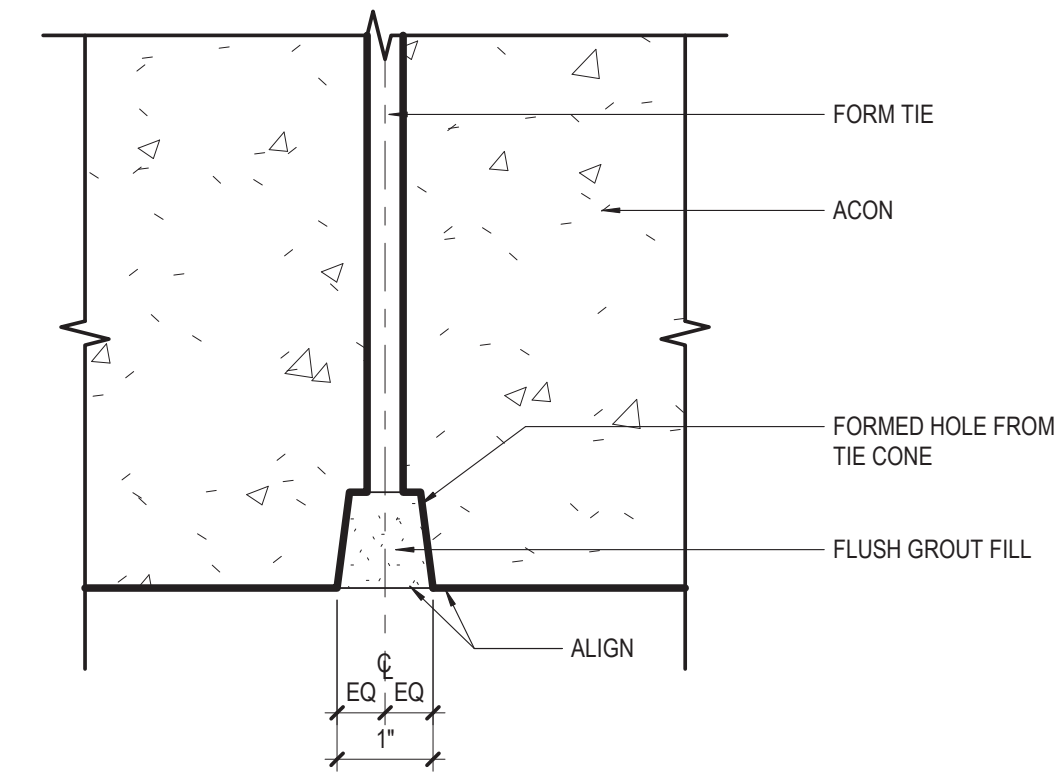
3 TYP HORZ DRIP EDGE
6" = 1'-0"



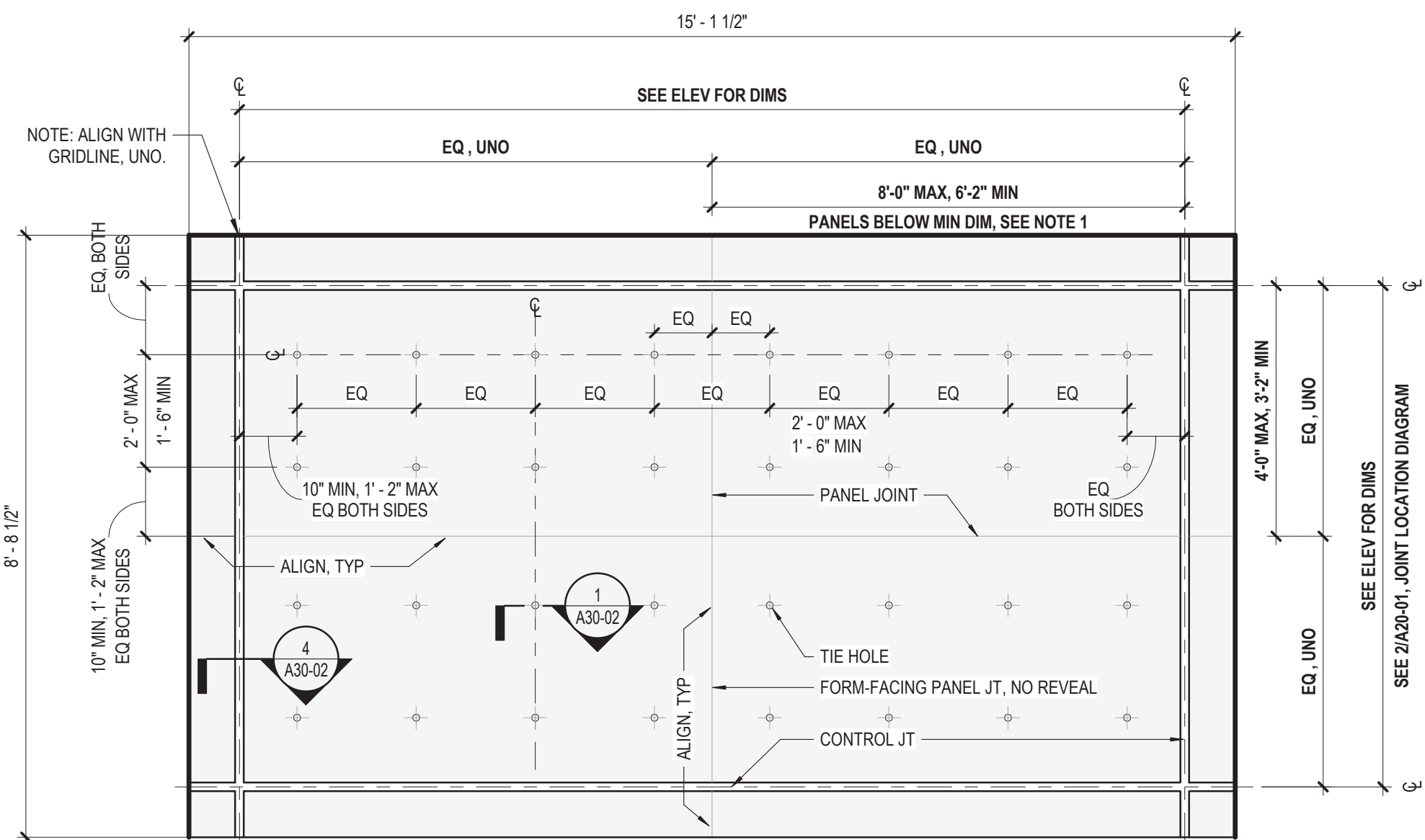
8 TYP. ACON FLASHING DETAIL @ EWS-01
3" = 1'-0"



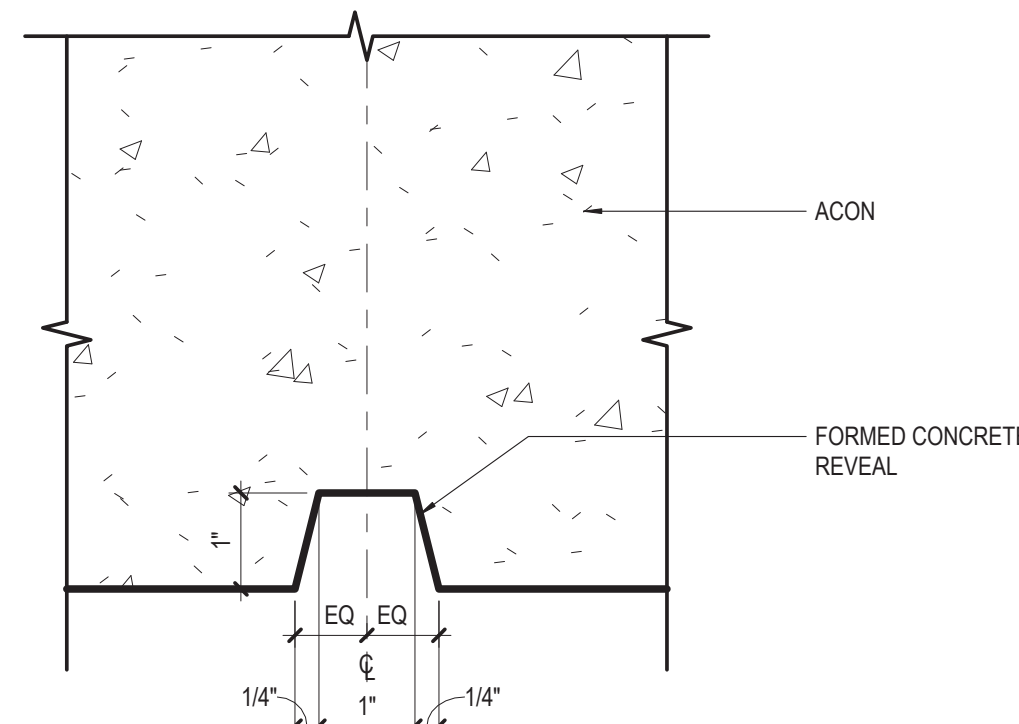
5 TYP ACON COPING DETAIL
6" = 1'-0"



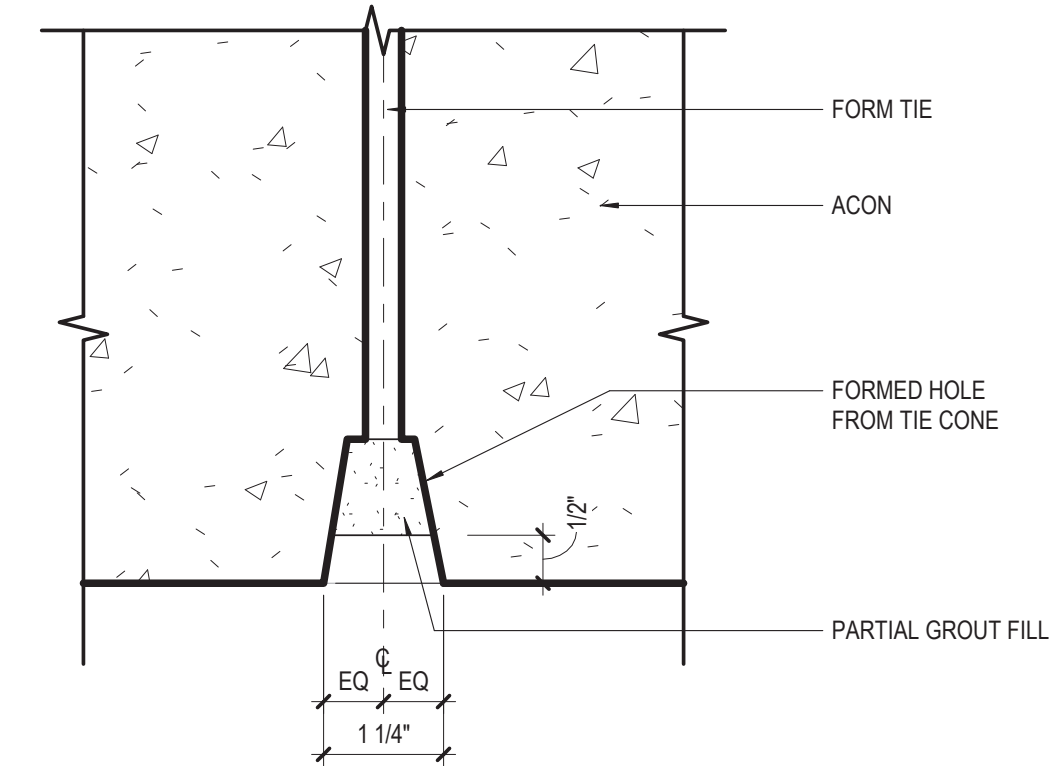
2 FLUSH GROUTED TIE HOLE DETAIL (ACON-02)
6" = 1'-0"



7 TYPICAL PANEL LAYOUT
1/2" = 1'-0"



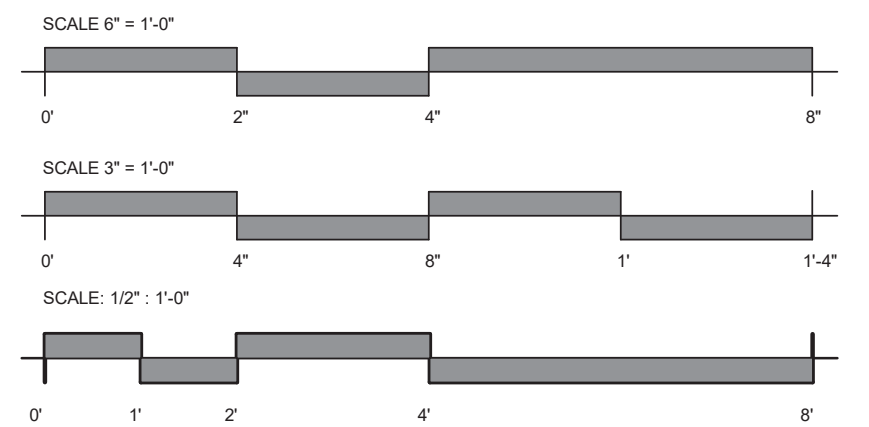
4 TYP CONTROL JOINT DETAIL
6" = 1'-0" HORIZONTAL AND VERTICAL CONTROL JOINTS, INTERIOR AND EXTERIOR



1 TYP TIE HOLE DETAIL (ACON-01)
6" = 1'-0"

TYPICAL ARCHITECTURAL CONCRETE NOTES

1. FORM-FACING PANEL DIMENSIONS SMALLER THAN THE DEFINED MINIMUMS WILL RESULT IN A LESSE NUMBER OF TIES TO MAINTAIN TIE SPACING PARAMETERS. REFER TO A30-03 FOR ATYPICAL CONCRETE JOINTING.



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

ARCHITECTURAL ASSEMBLIES AND DETAILS - ACON

CDOT PROJECT D-7-135

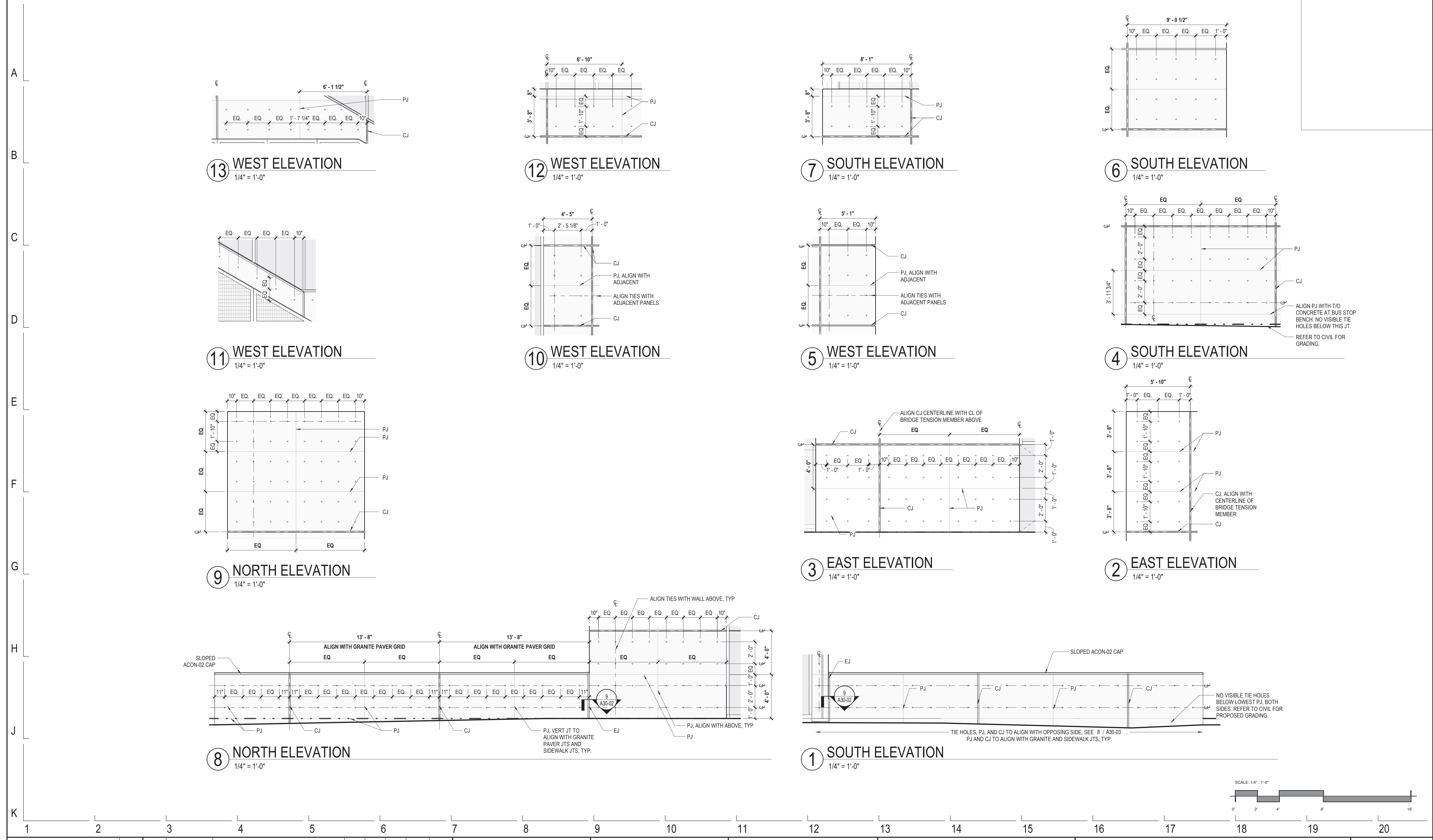
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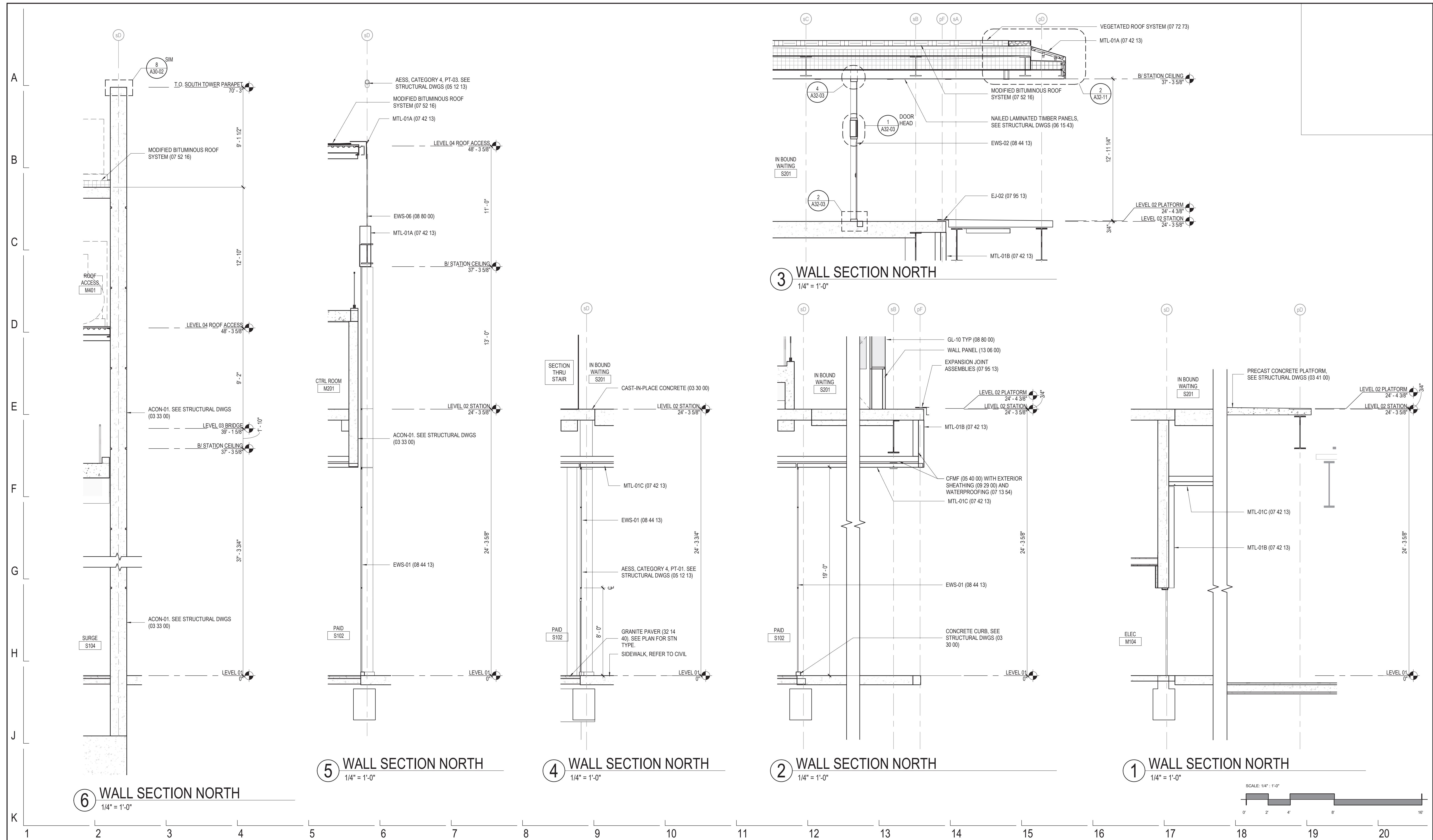
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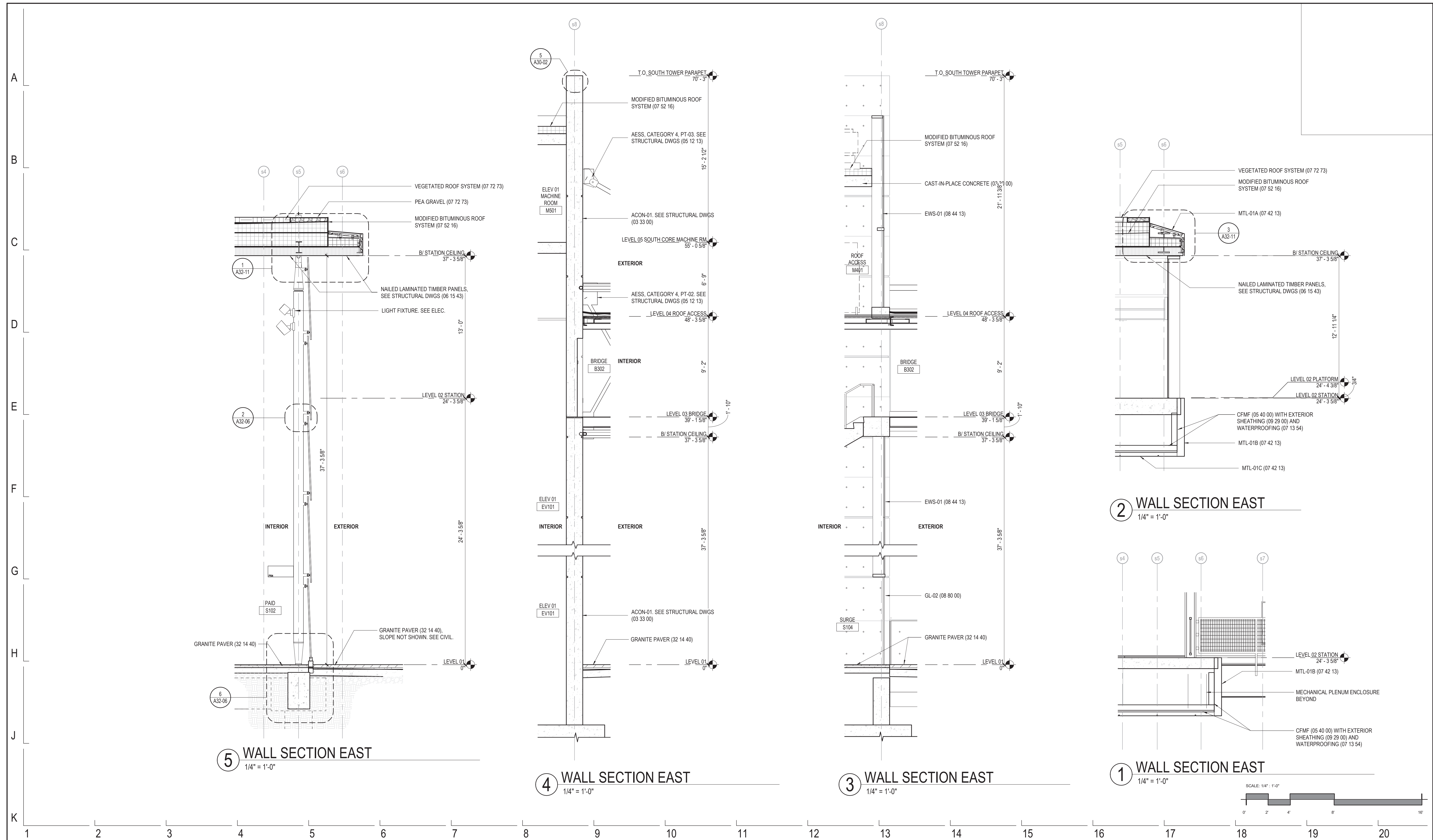
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
EXTERIOR WALL SECTIONS - STATION NORTH WALL
 CDOT PROJECT D-7-135 DATE: 01/27/2020

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DRAWING NO.	A31-01
REVISION NO.	



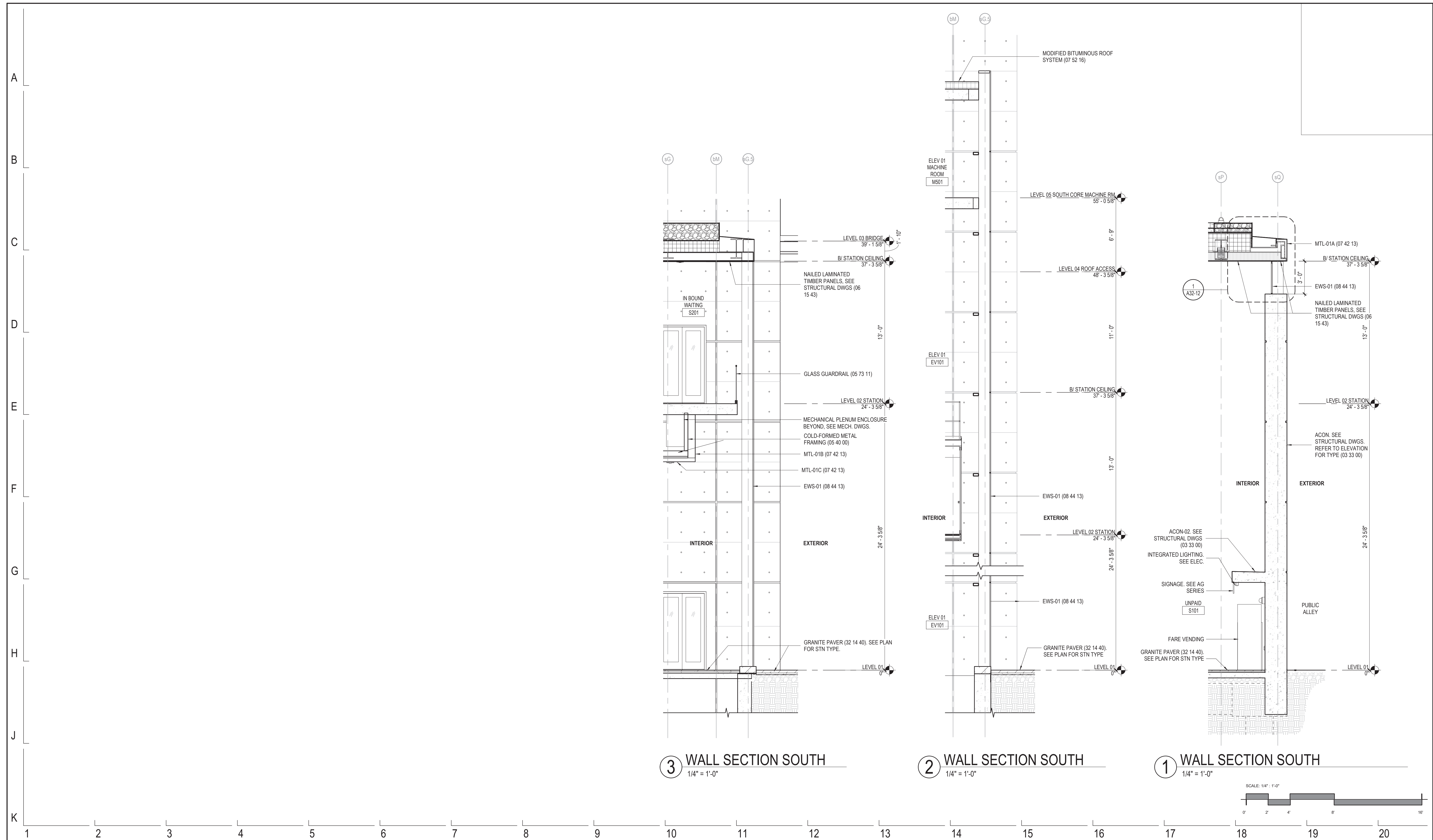
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
EXTERIOR WALL SECTIONS - STATION EAST WALL
 CDOT PROJECT D-7-135 DATE: 01/27/2020

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DRAWING NO.	A31-02
REVISION NO.	



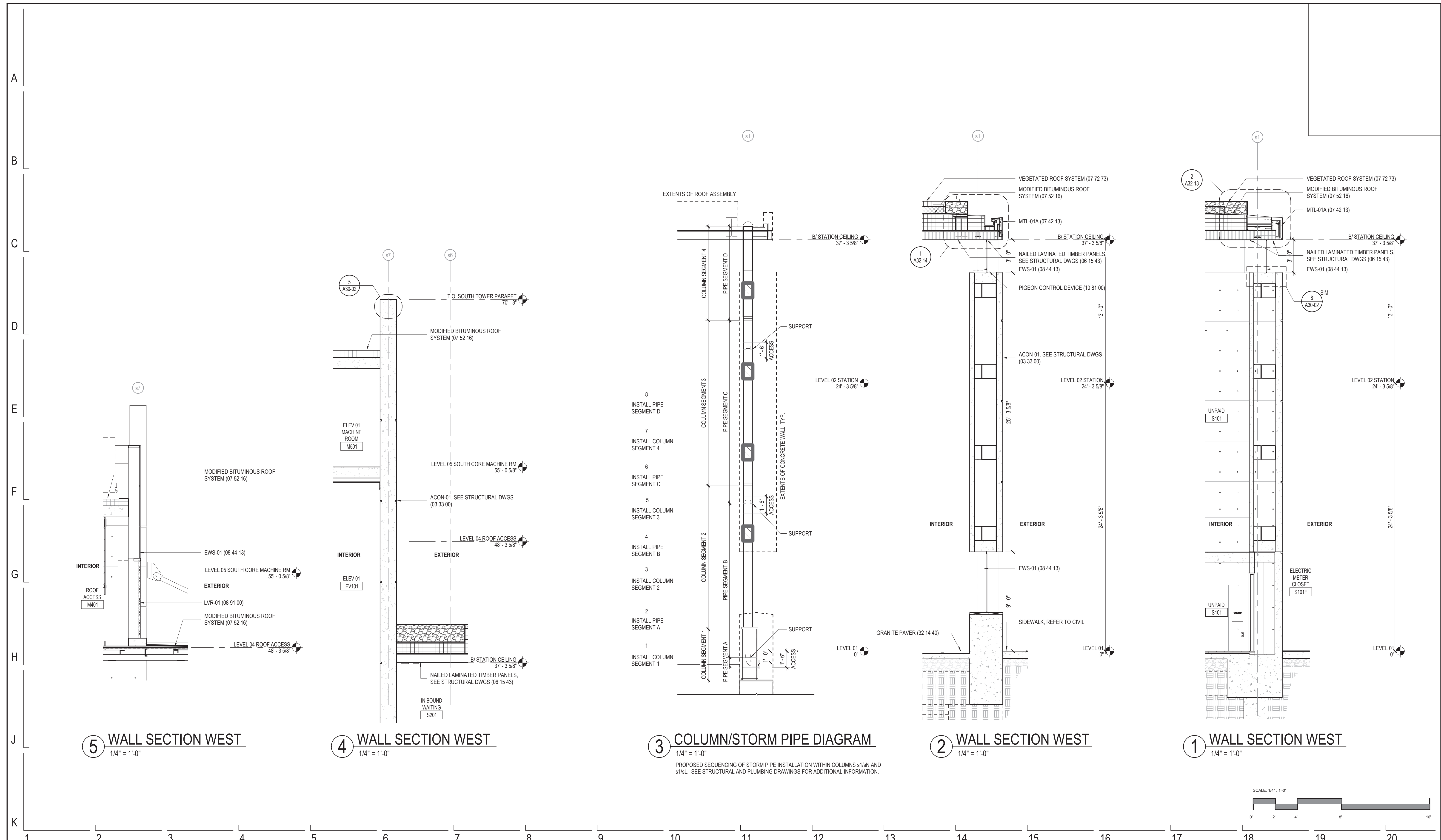
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EXTERIOR WALL SECTIONS - STATION SOUTH WALL		DRAWING NO. A31-03
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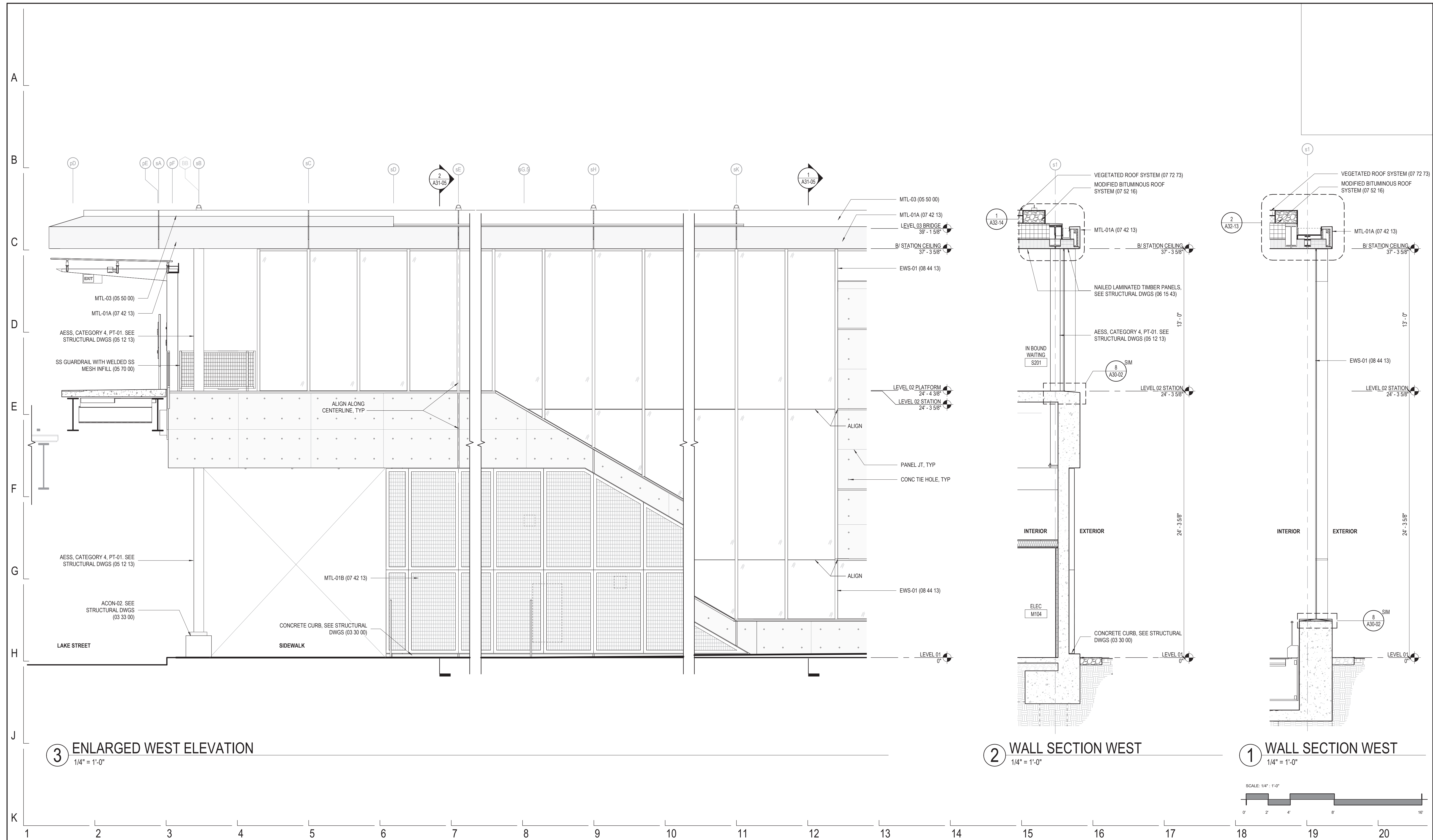
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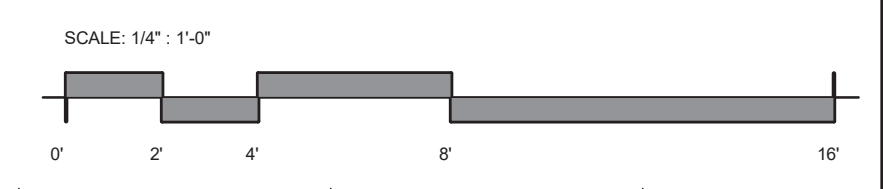
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EXTERIOR WALL SECTIONS - STATION WEST WALL		DRAWING NO. A31-04
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



3 ENLARGED WEST ELEVATION
1/4" = 1'-0"

2 WALL SECTION WEST
1/4" = 1'-0"

1 WALL SECTION WEST
1/4" = 1'-0"

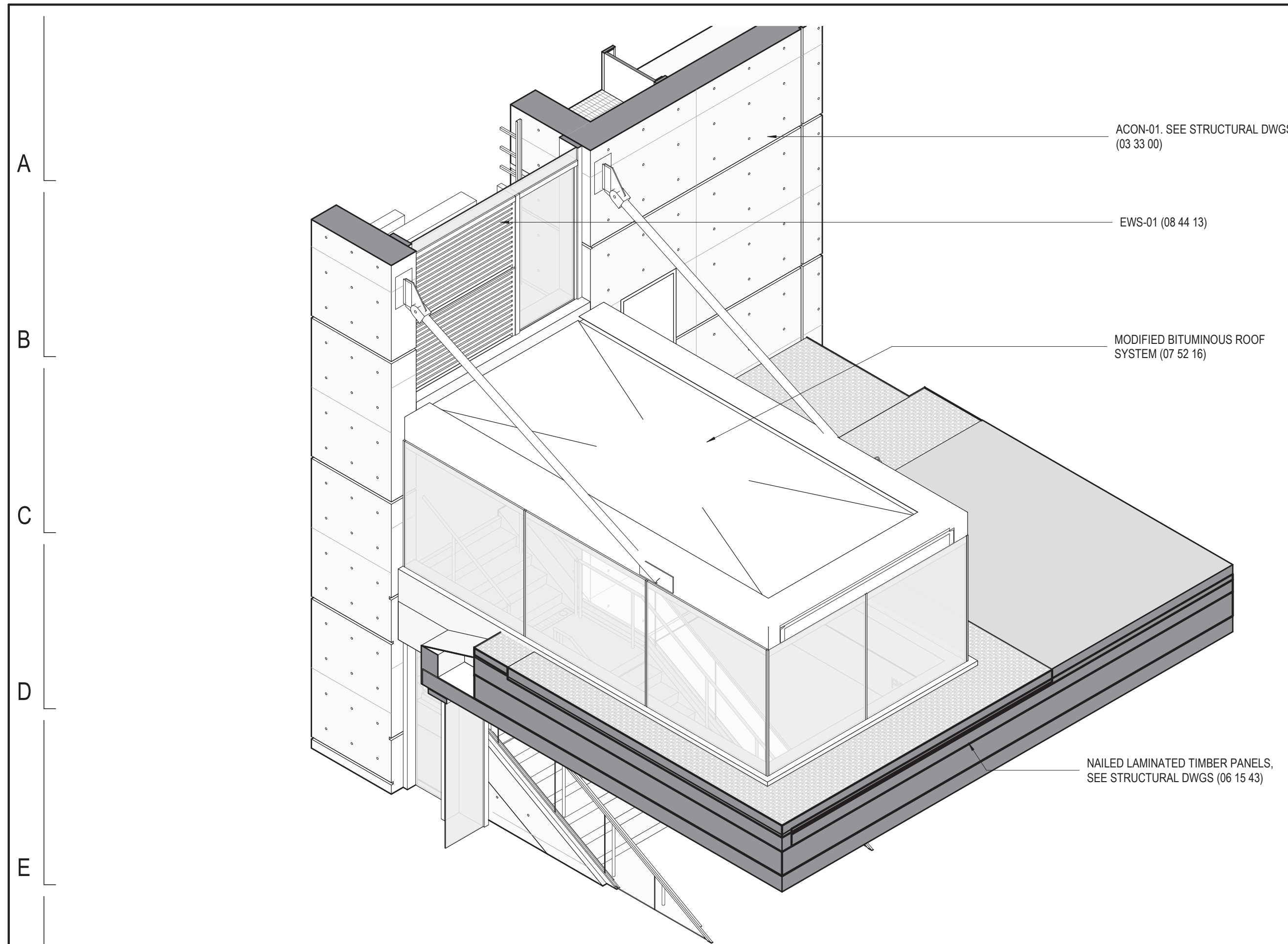


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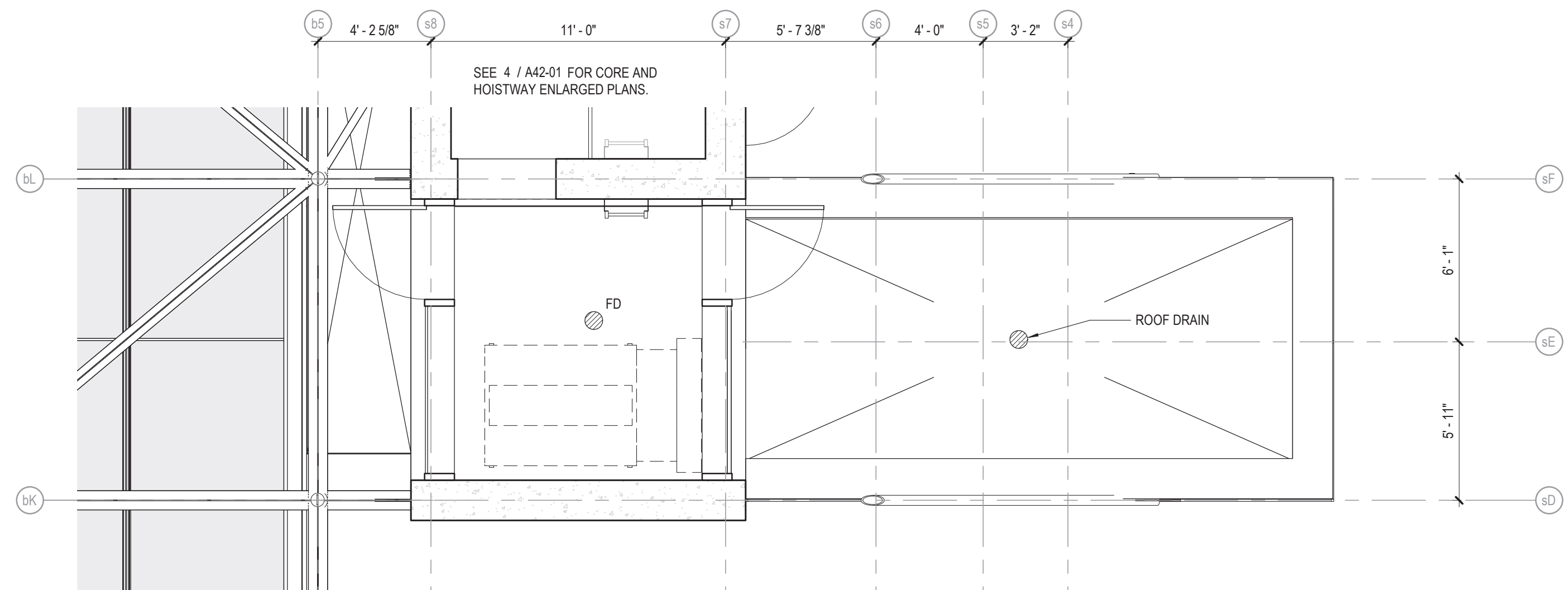
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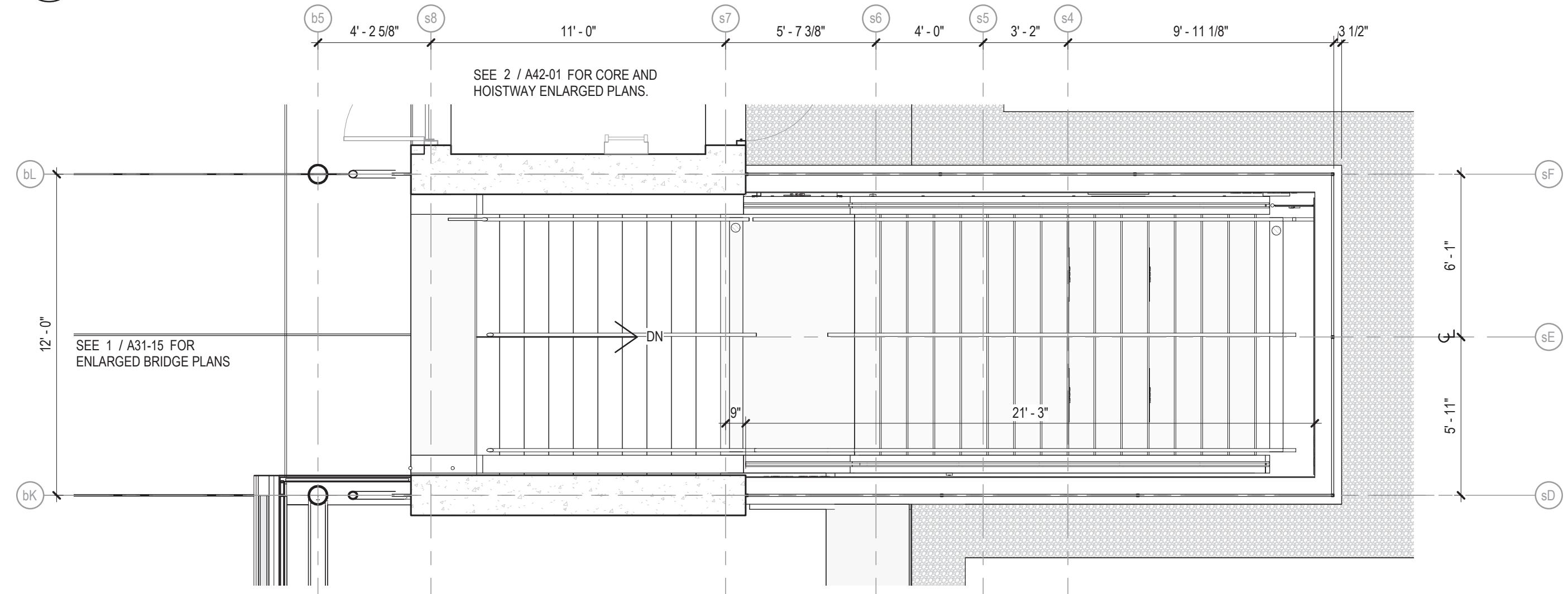
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CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



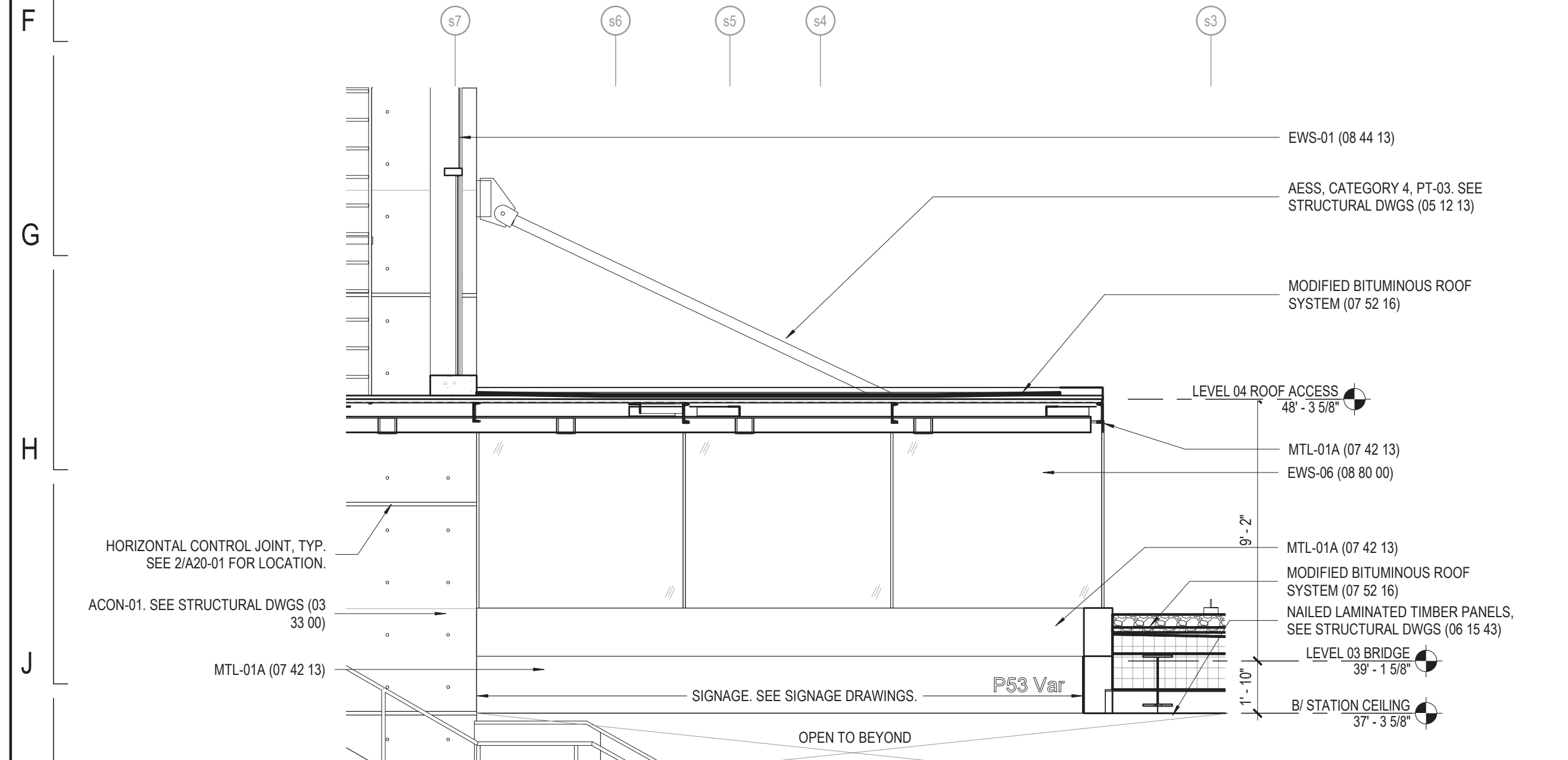
6 STATION HIGH ROOF ISOMETRIC
NOT TO SCALE



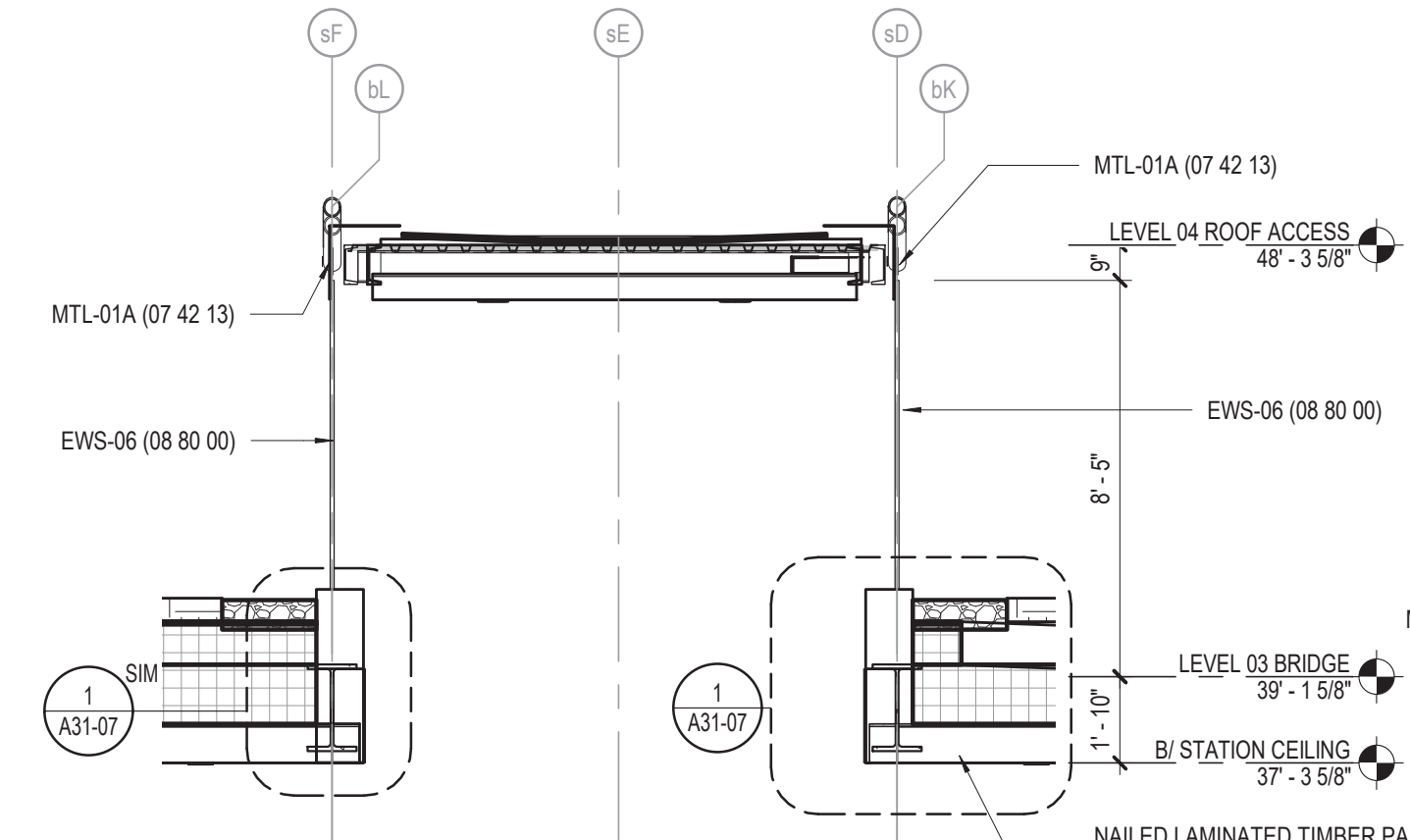
4 ENLARGED STATION PLAN - LEVEL 04
1/4" = 1'-0"



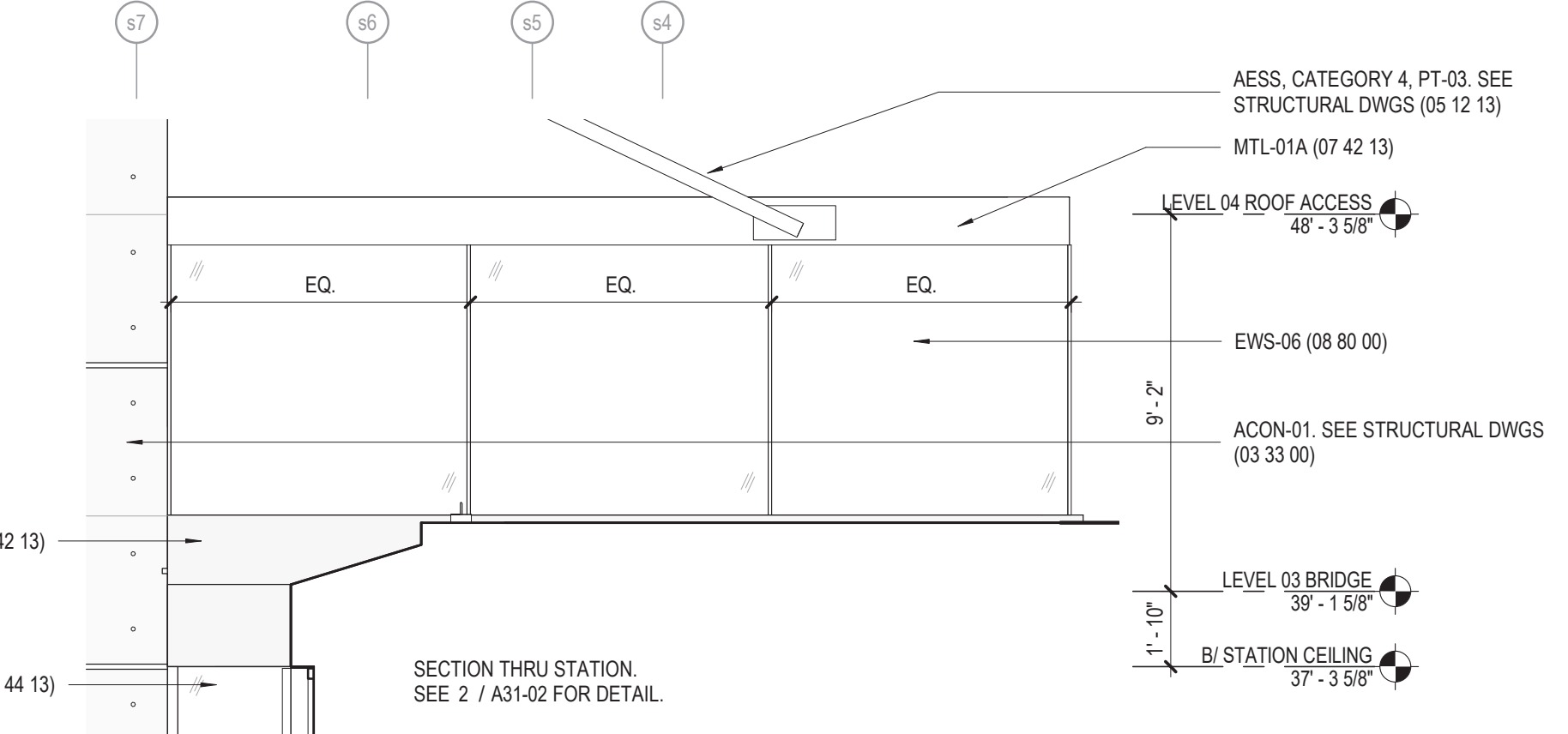
3 ENLARGED STATION PLAN - LEVEL 03
1/4" = 1'-0"



5 ENLARGED SECTION
1/4" = 1'-0"



2 ENLARGED SECTION
1/4" = 1'-0"



1 ENLARGED ELEVATION STATION HIGH ROOF
1/4" = 1'-0"

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154 N DAMEN AVE - DAMEN GREEN LINE STATION

ENLARGED EXTERIOR WALL ELEVATIONS AND SECTIONS

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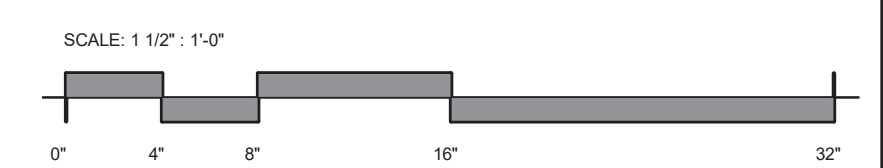
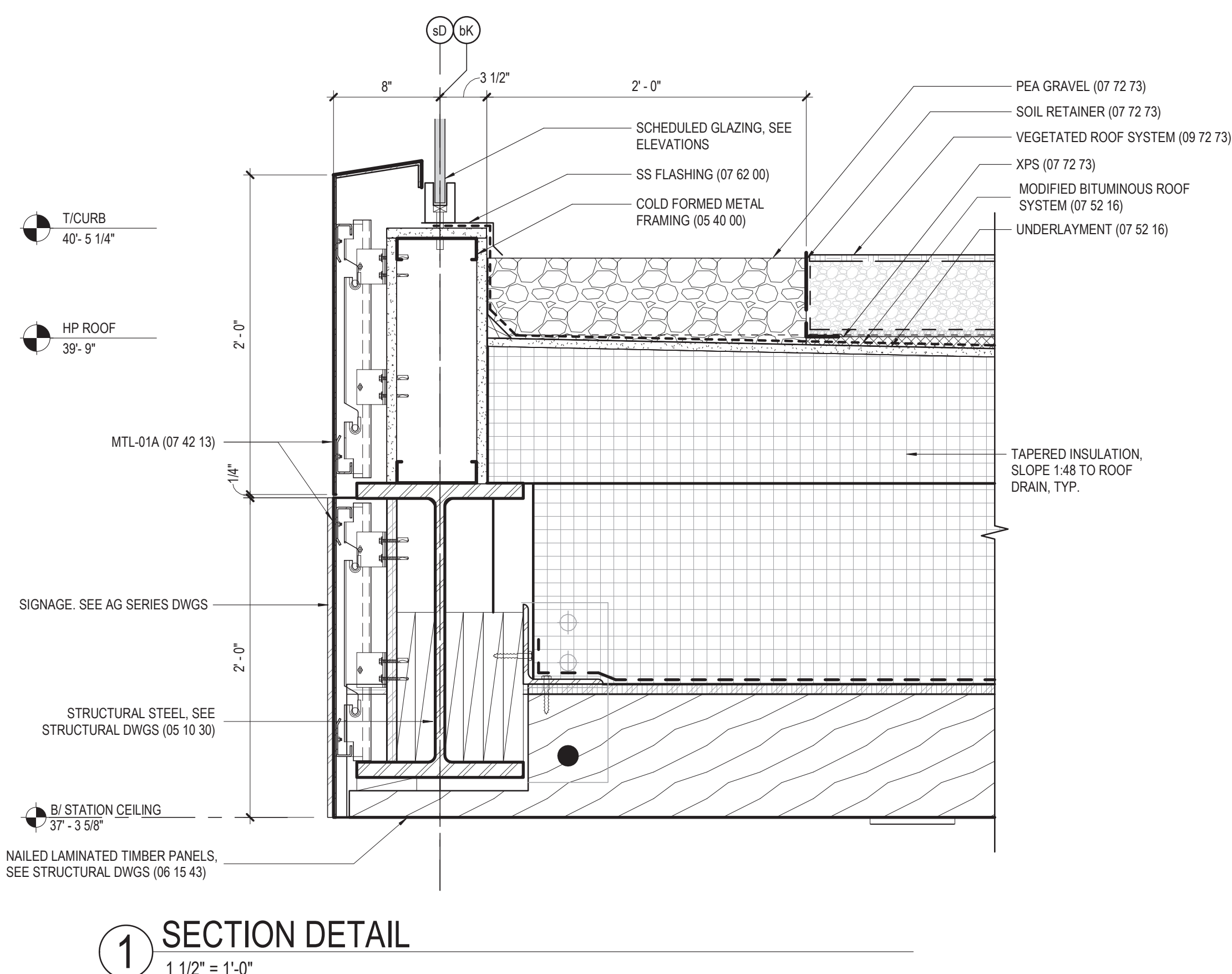
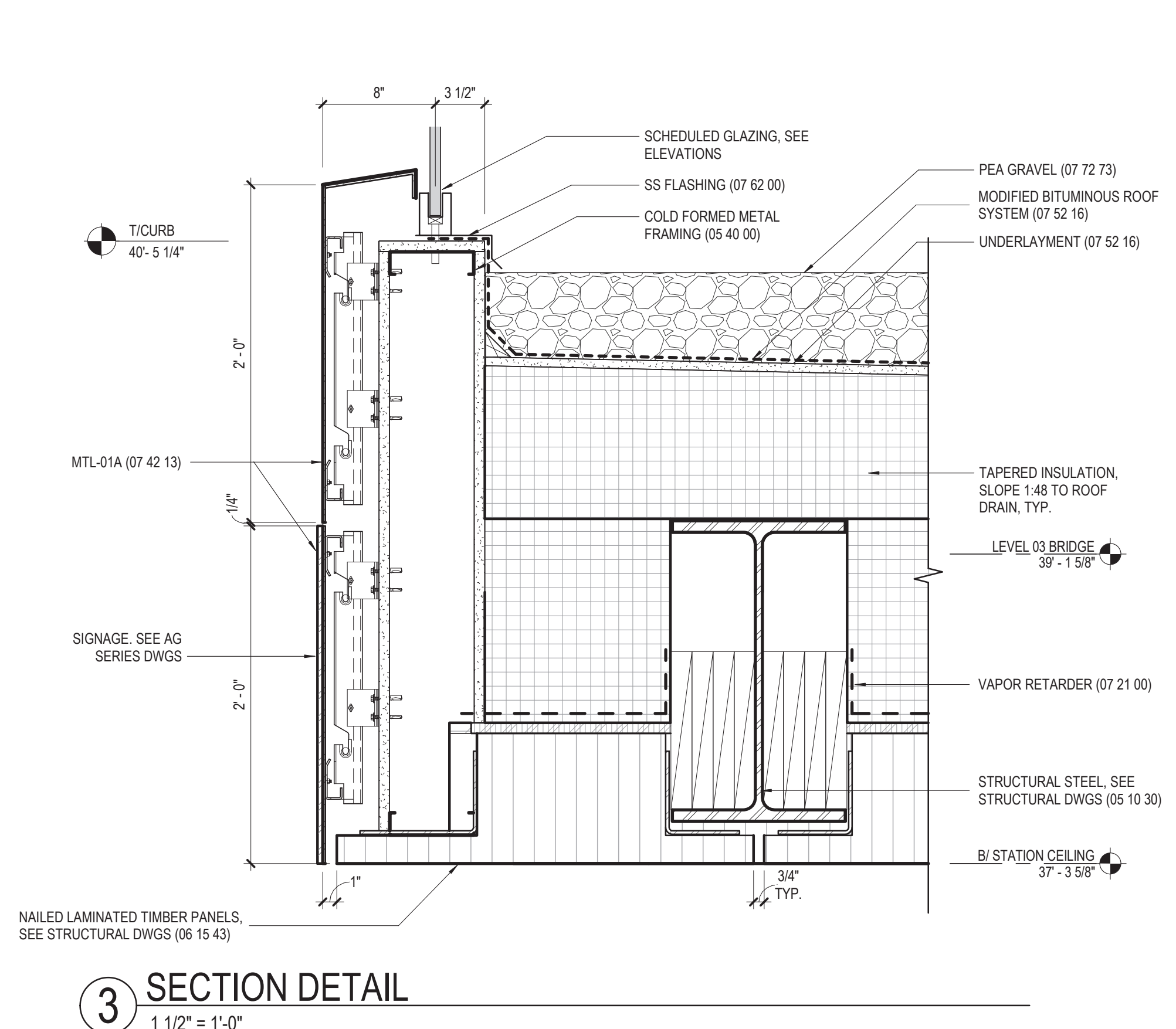
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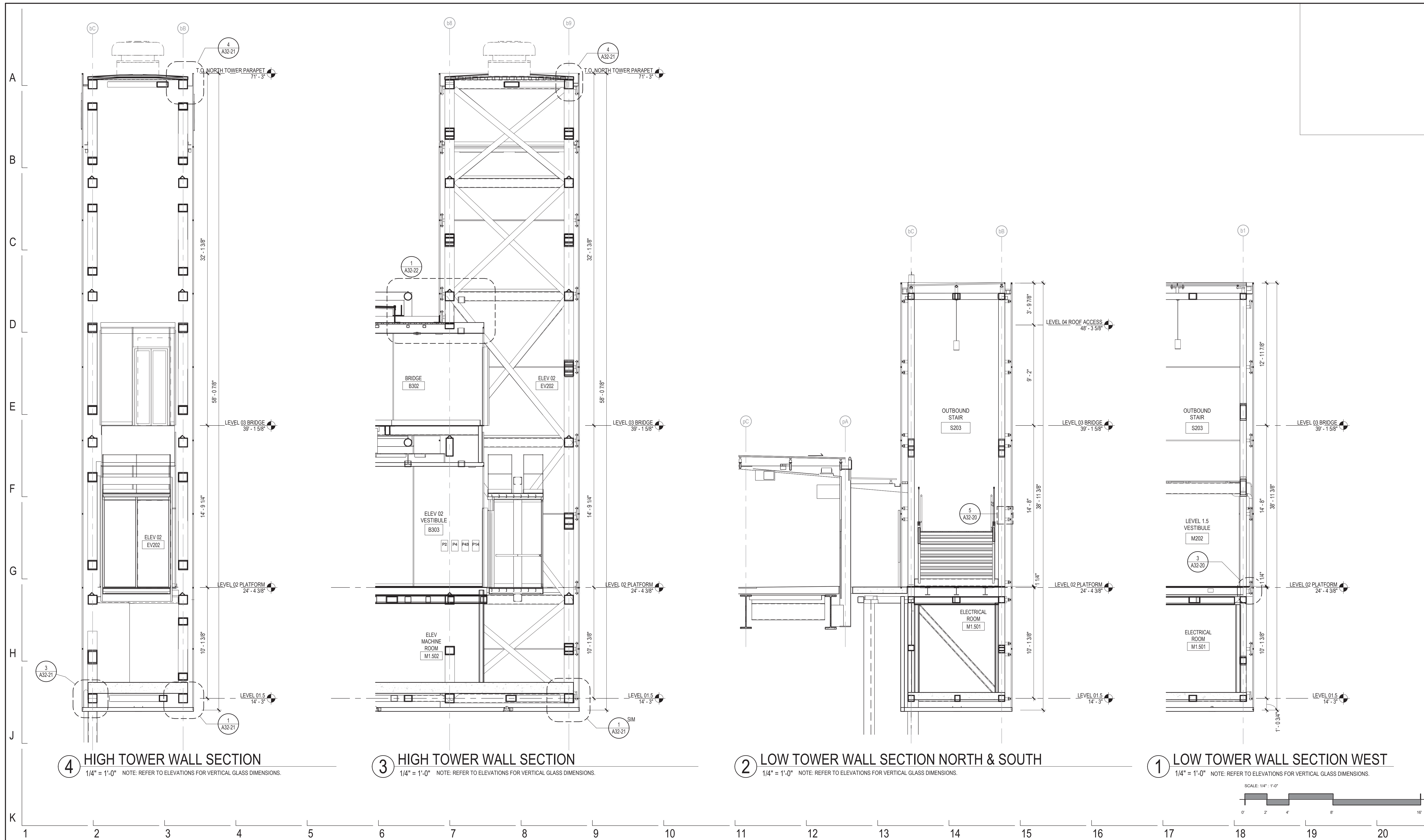


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STATION HIGH ROOF DETAILS		DRAWING NO. A31-07
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.

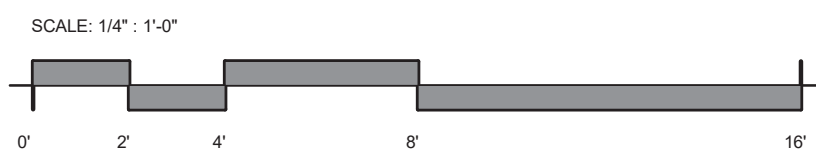


4 HIGH TOWER WALL SECTION
 1/4" = 1'-0" NOTE: REFER TO ELEVATIONS FOR VERTICAL GLASS DIMENSIONS.

3 HIGH TOWER WALL SECTION
 1/4" = 1'-0" NOTE: REFER TO ELEVATIONS FOR VERTICAL GLASS DIMENSIONS.

2 LOW TOWER WALL SECTION NORTH & SOUTH
 1/4" = 1'-0" NOTE: REFER TO ELEVATIONS FOR VERTICAL GLASS DIMENSIONS.

1 LOW TOWER WALL SECTION WEST
 1/4" = 1'-0" NOTE: REFER TO ELEVATIONS FOR VERTICAL GLASS DIMENSIONS.

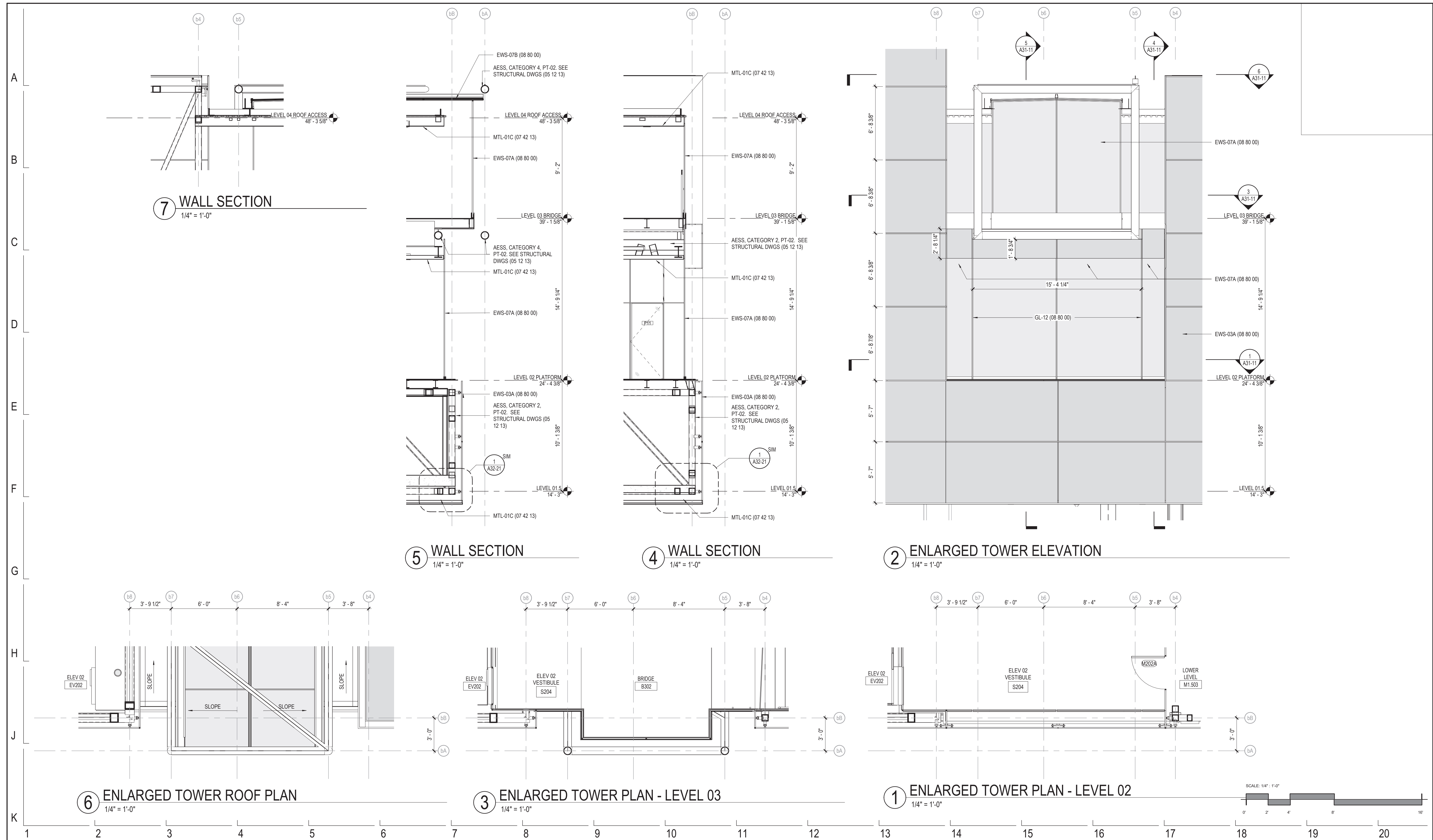


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EXTERIOR WALL SECTIONS - NORTH TOWER		DRAWING NO. A31-10
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



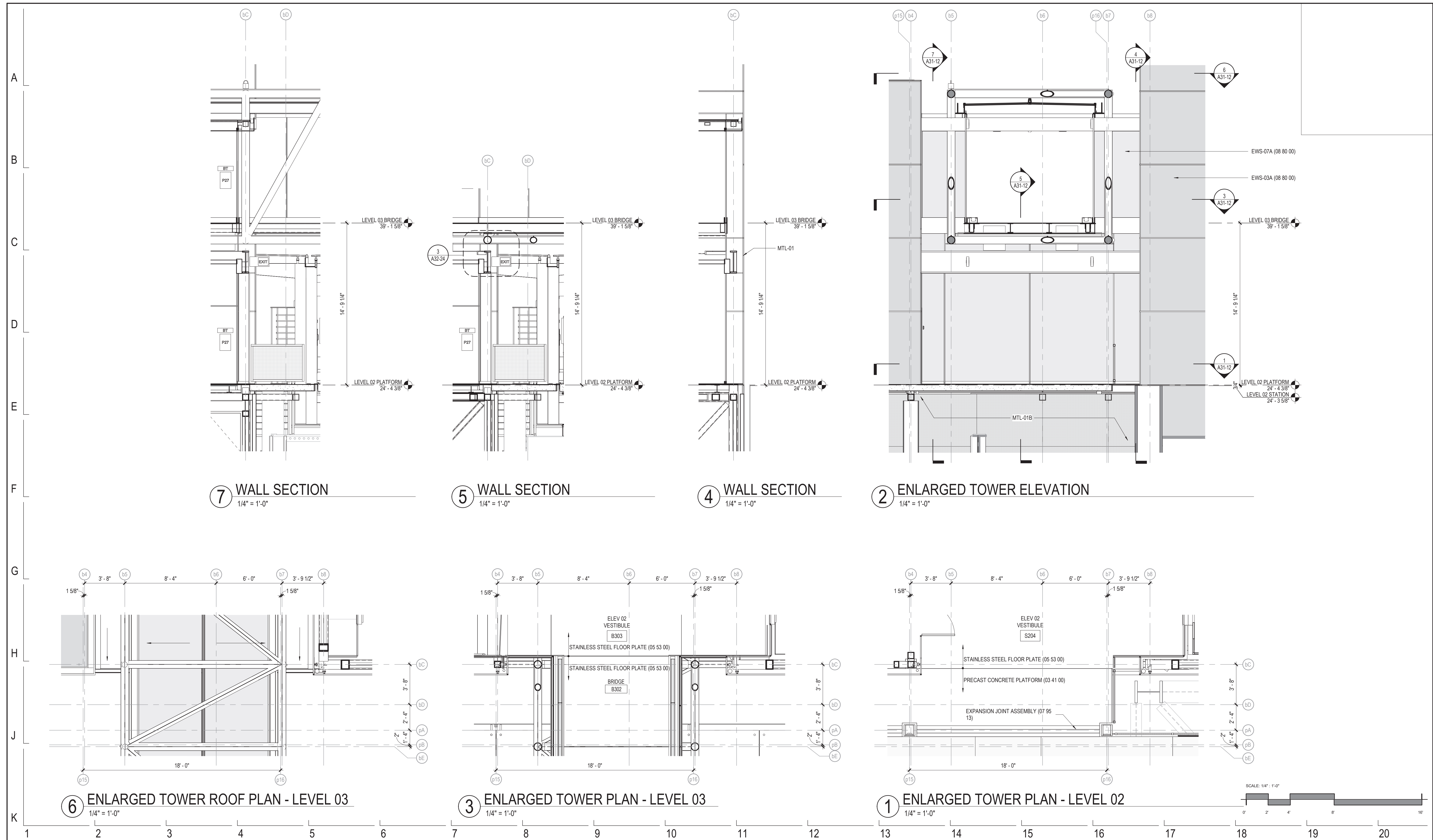
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CDOT PROJECT D-7-135
DATE: 01/27/2020

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DRAWING NO.
A31-11
REVISION NO.



7 WALL SECTION
1/4" = 1'-0"

5 WALL SECTION
1/4" = 1'-0"

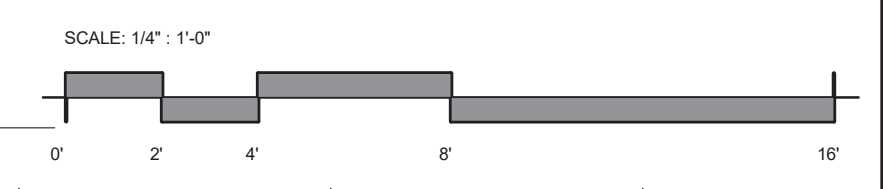
4 WALL SECTION
1/4" = 1'-0"

2 ENLARGED TOWER ELEVATION
1/4" = 1'-0"

6 ENLARGED TOWER ROOF PLAN - LEVEL 03
1/4" = 1'-0"

3 ENLARGED TOWER PLAN - LEVEL 03
1/4" = 1'-0"

1 ENLARGED TOWER PLAN - LEVEL 02
1/4" = 1'-0"



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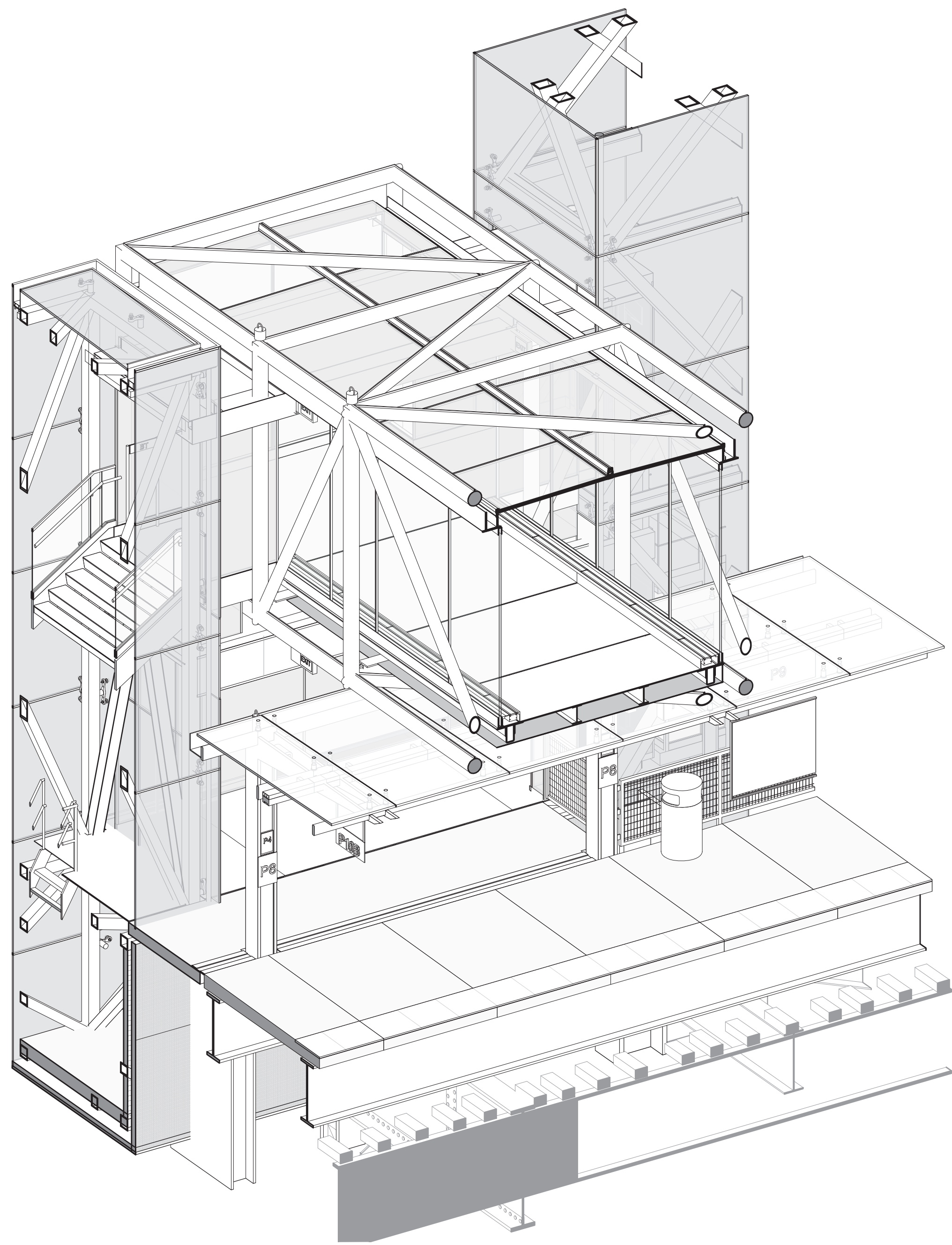
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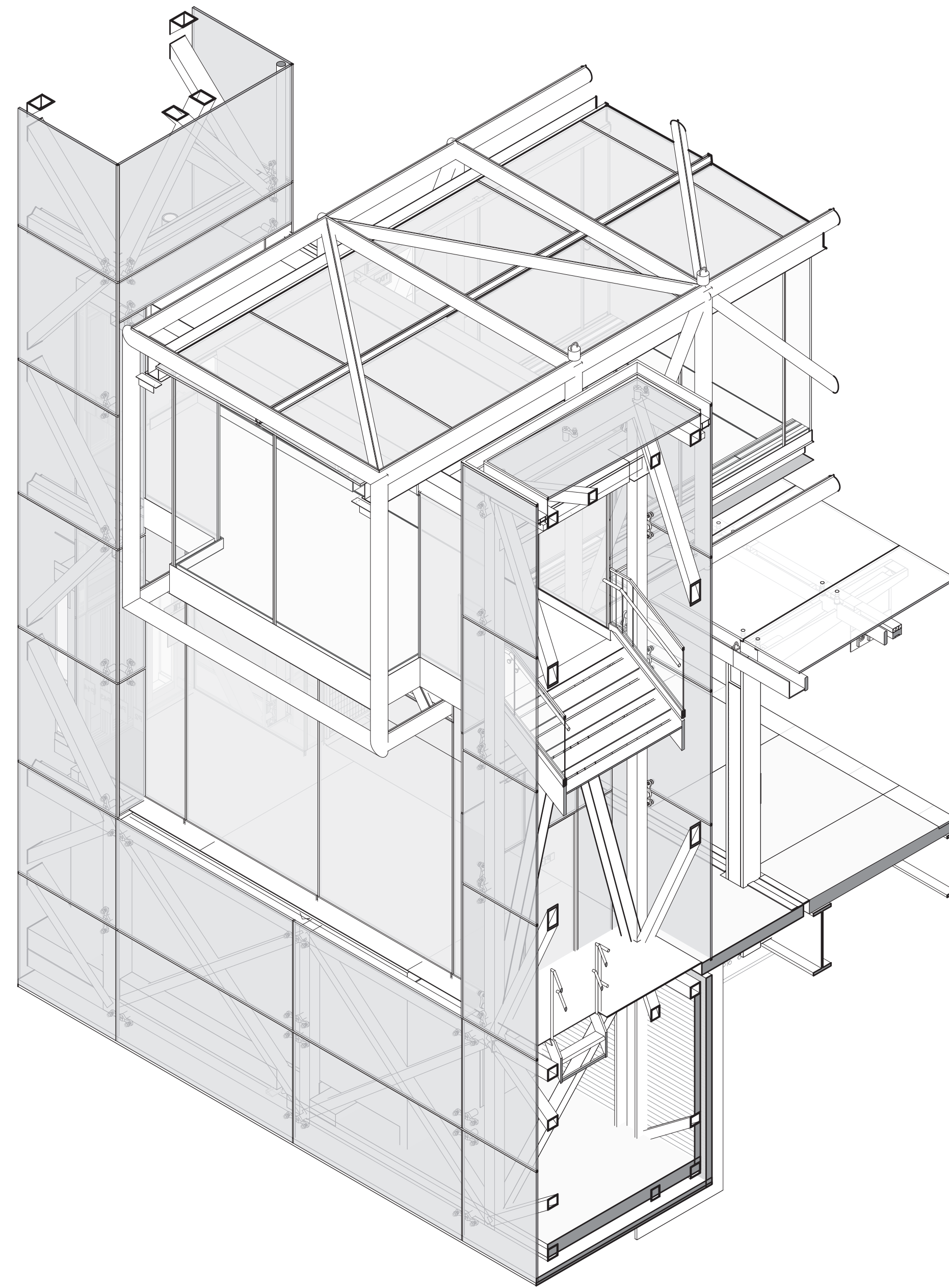
154 N DAMEN AVE - DAMEN GREEN LINE STATION
ENLARGED EXTERIOR WALL ELEVATIONS AND SECTIONS
 A31-12
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
 DRAWING NO.
A31-12
 REVISION NO.

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2 TOWER SOUTH ISOMETRIC
NOT TO SCALE



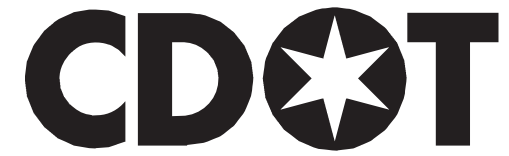
1 TOWER NORTH ISOMETRIC
NOT TO SCALE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

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154 N DAMEN AVE - DAMEN GREEN LINE STATION

NORTH TOWER ISOMETRICS (FOR REFERENCE ONLY)

CDOT PROJECT D-7-135

DATE: 01/27/2020

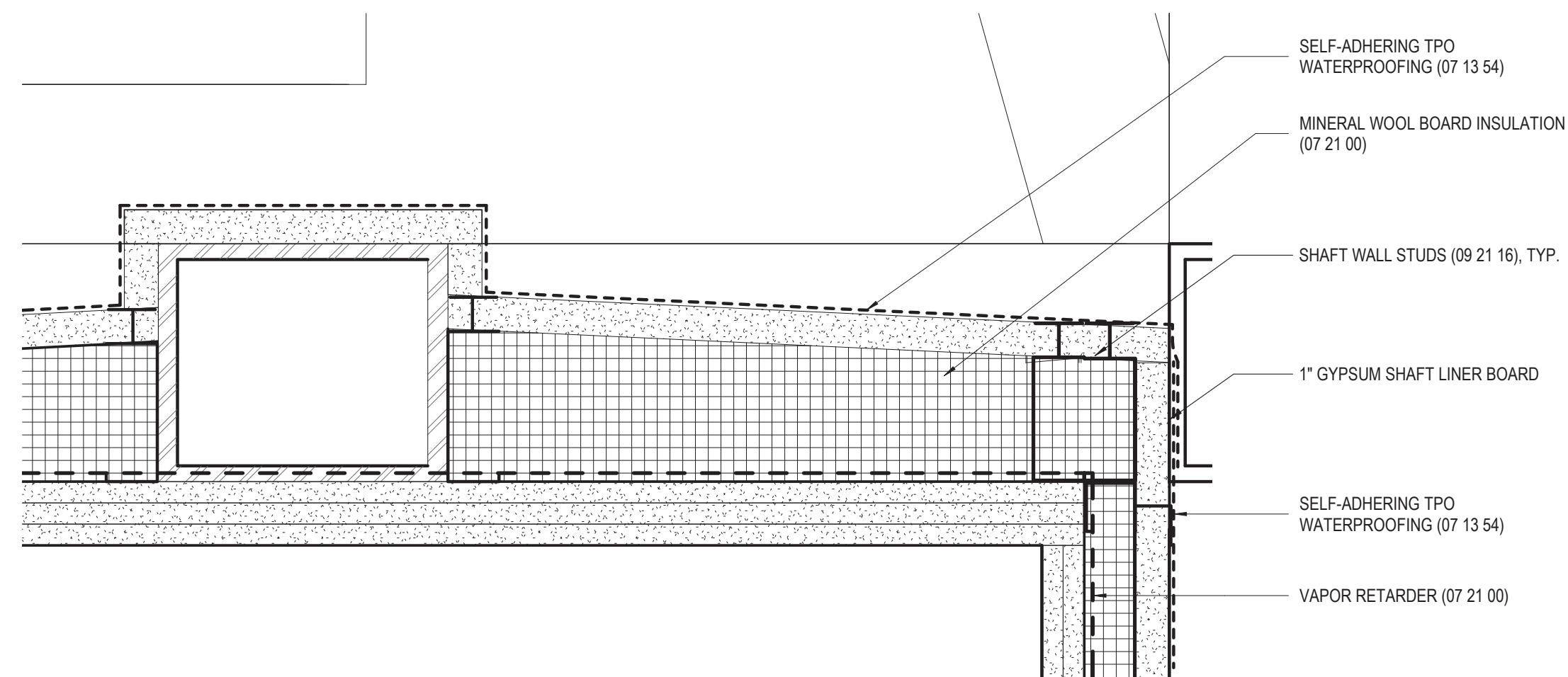
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DRAWING NO.

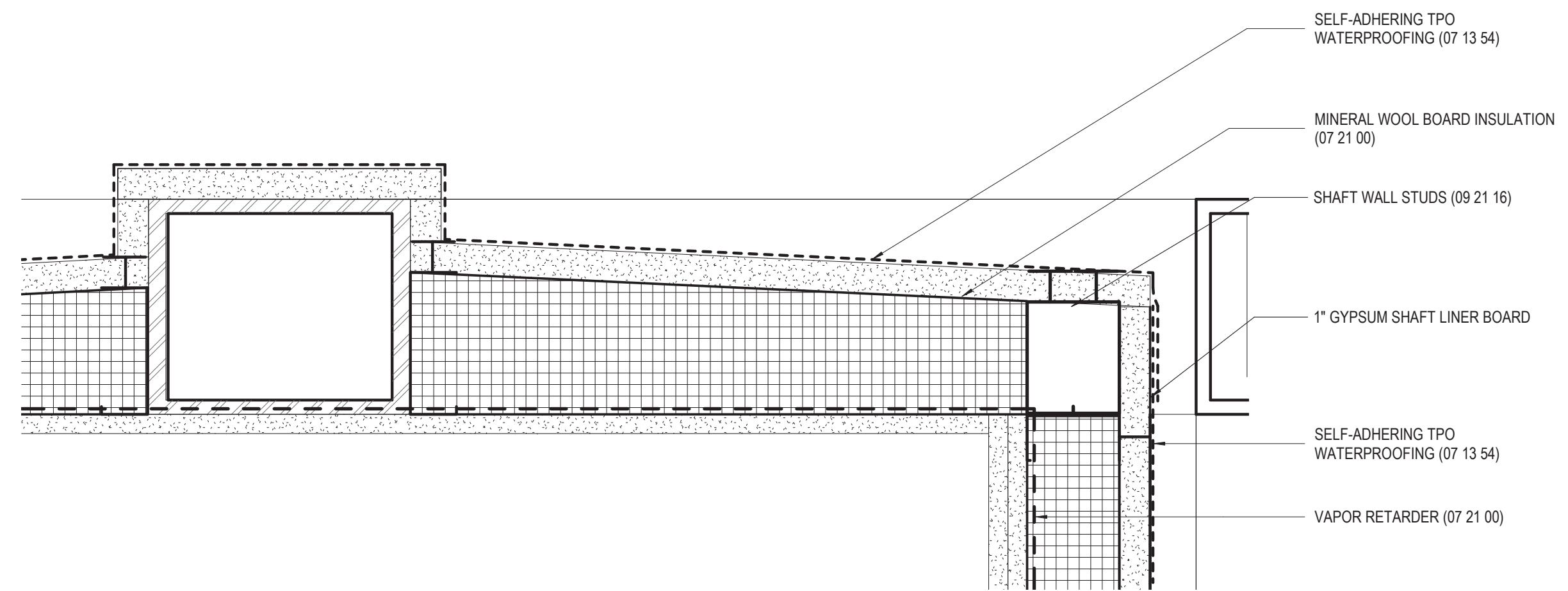
A31-13

REVISION NO.

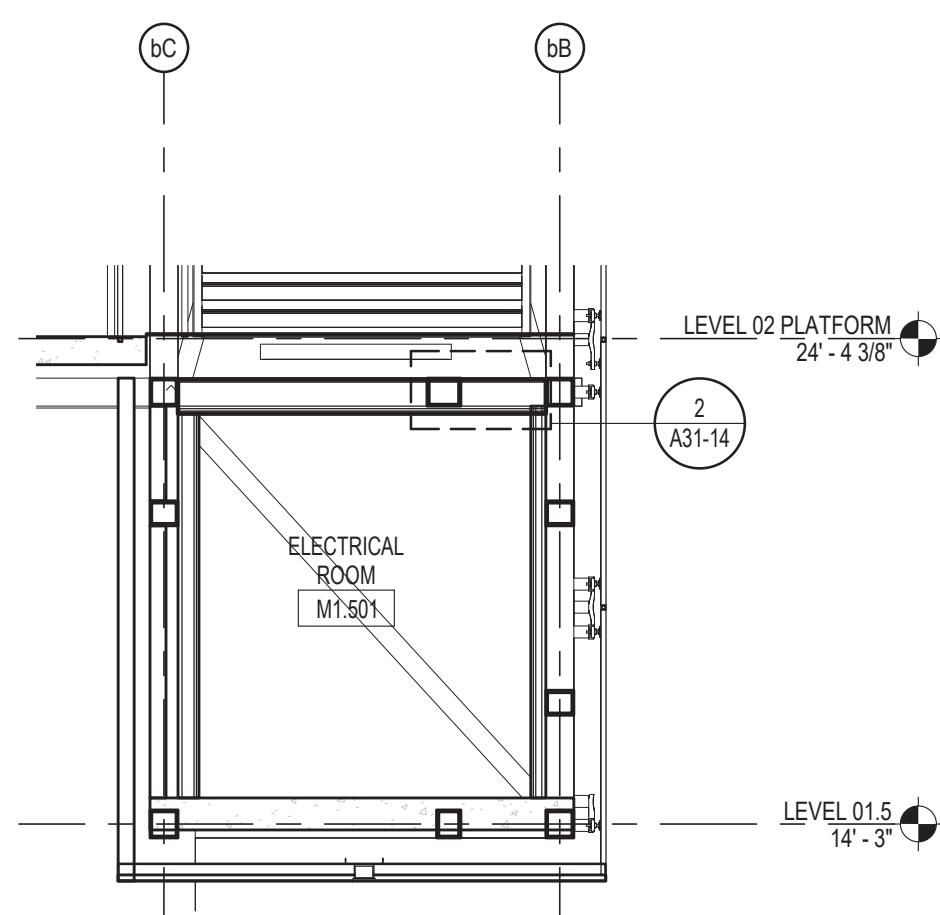
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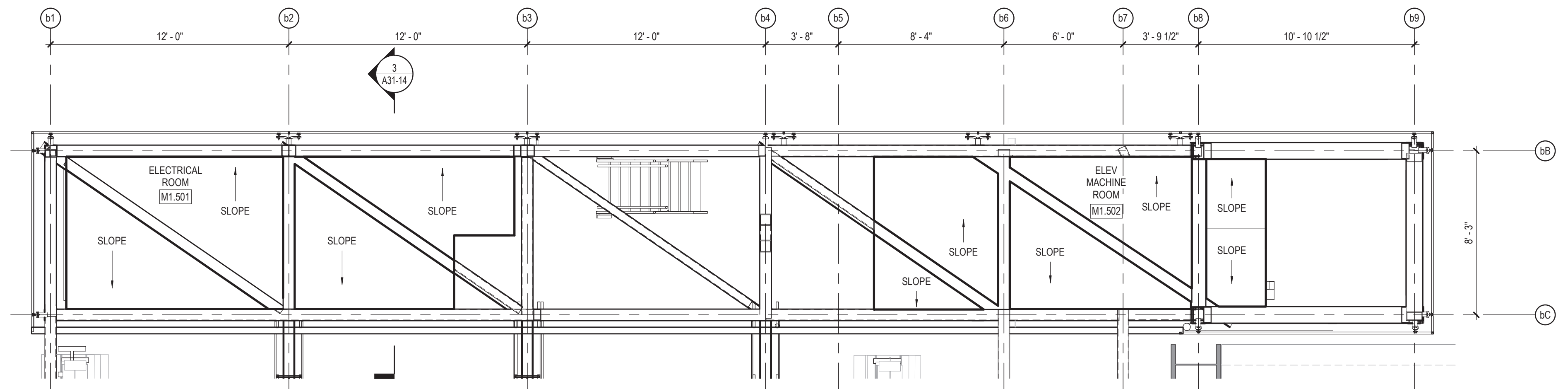
2 ELECTRICAL ROOM ROOF DETAIL
3" = 1'-0"



4 MACHINE ROOM ROOF DETAIL
3" = 1'-0"



3 ELECTRICAL ROOM SECTION
1/4" = 1'-0"



1 LEVEL 1.5 ROOF PLAN
1/4" = 1'-0"

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154 N DAMEN AVE - DAMEN GREEN LINE STATION

ENLARGED LEVEL 1.5 ROOF PLAN AND DETAILS

CDOT PROJECT D-7-135

DATE: 01/27/2020

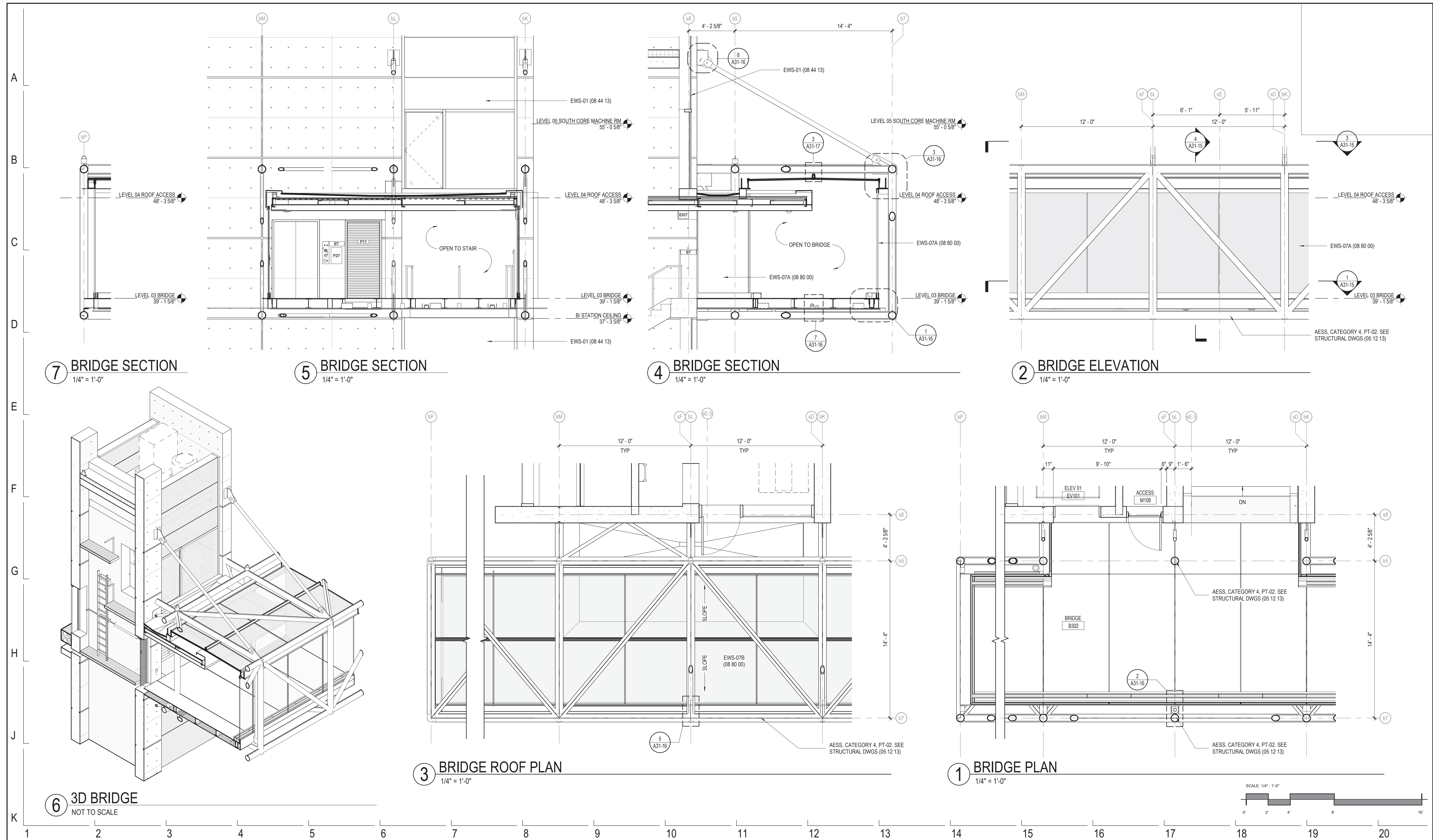
SPEC. NO.

DRAWING NO.

A31-14

REVISION NO.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



7 BRIDGE SECTION
1/4" = 1'-0"

5 BRIDGE SECTION
1/4" = 1'-0"

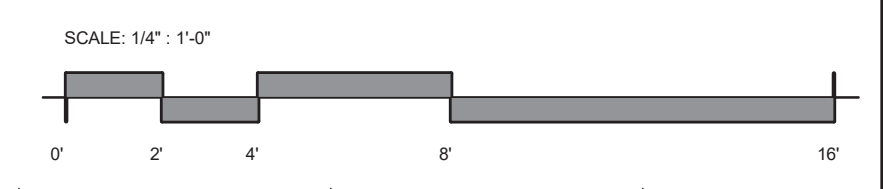
4 BRIDGE SECTION
1/4" = 1'-0"

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

3 BRIDGE ROOF PLAN
1/4" = 1'-0"

1 BRIDGE PLAN
1/4" = 1'-0"

6 3D BRIDGE
NOT TO SCALE

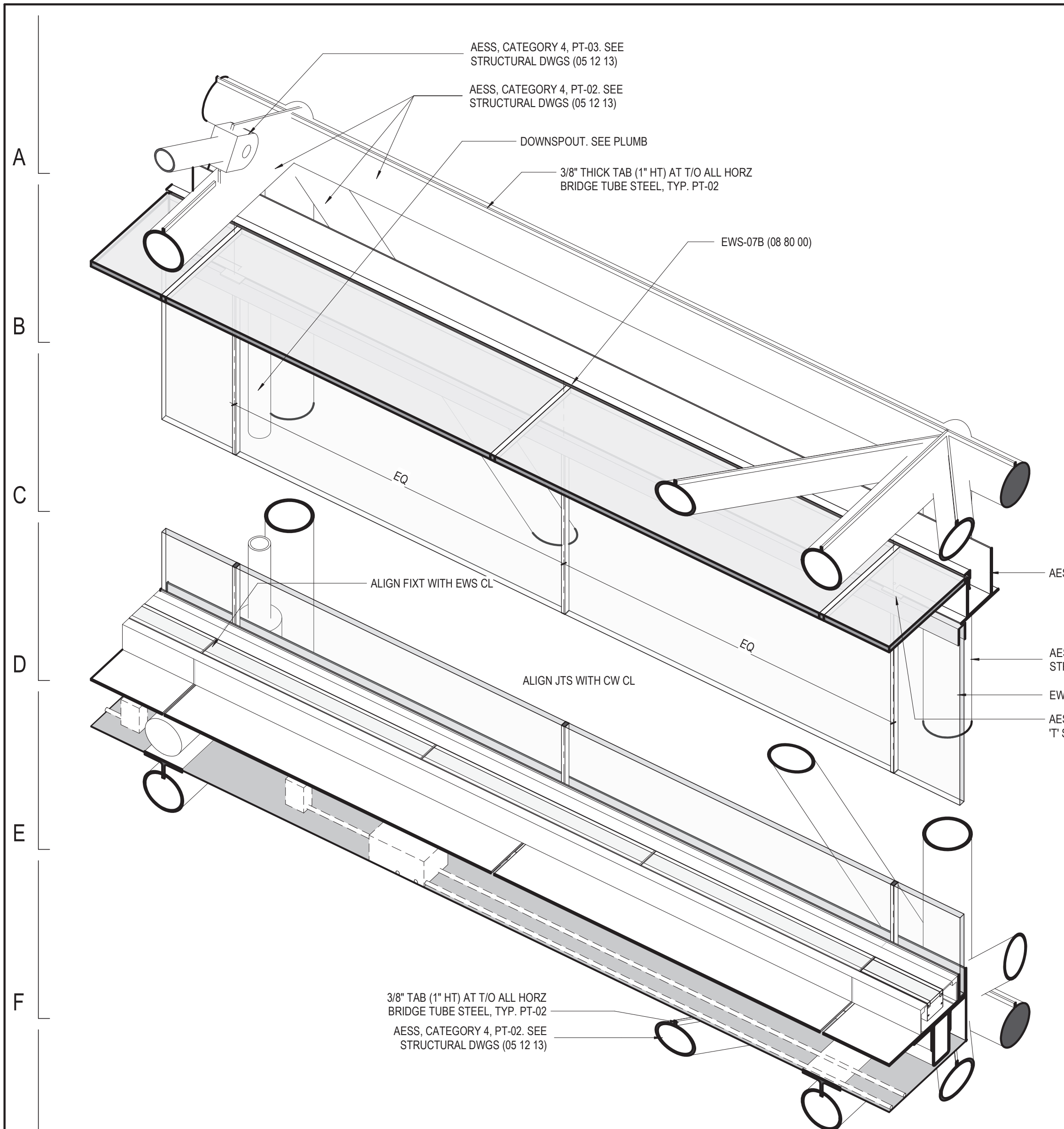


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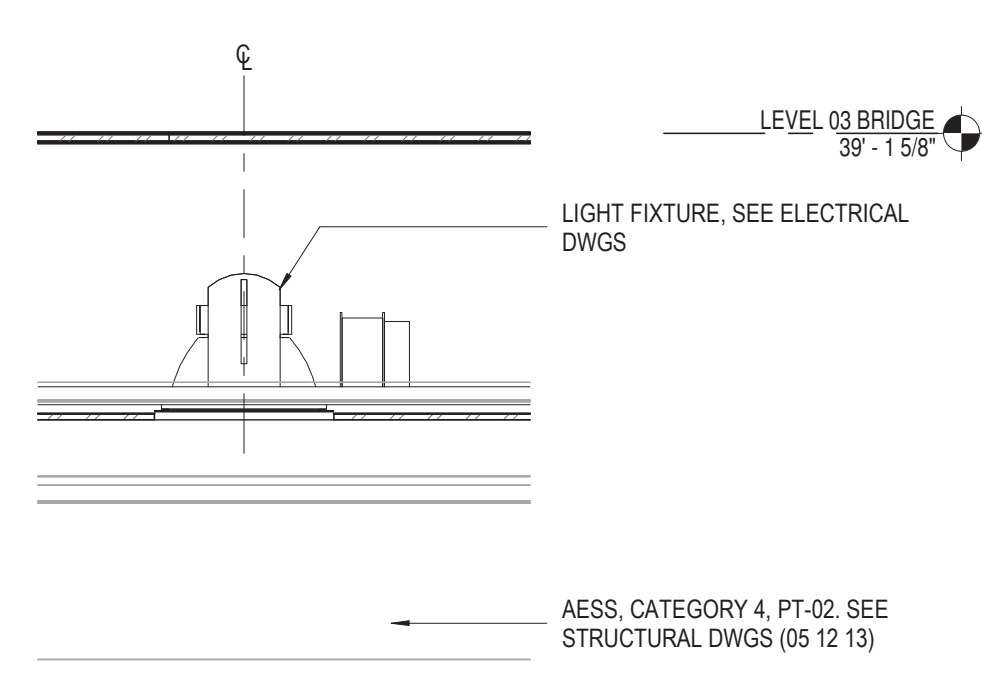
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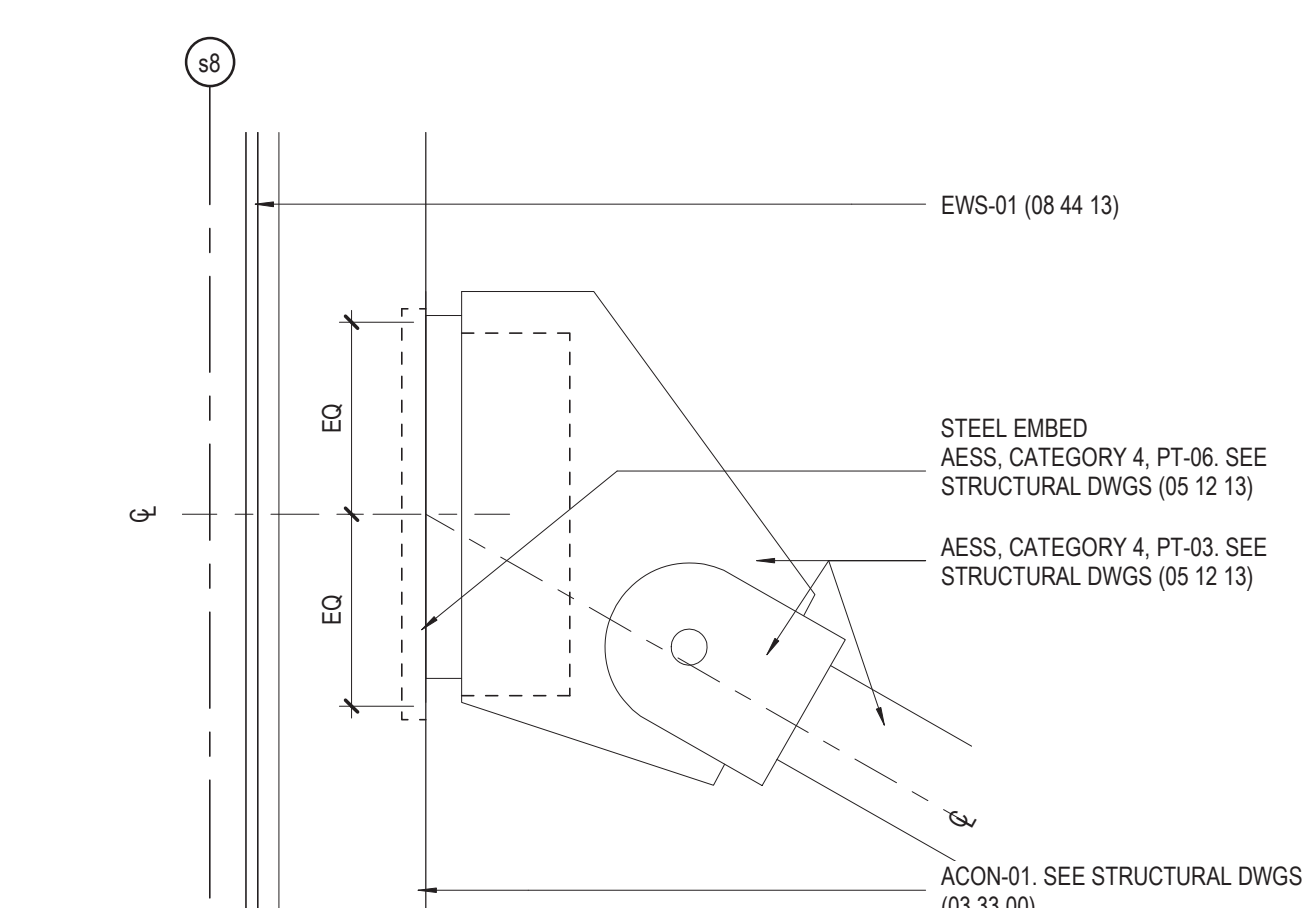
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ENLARGED BRIDGE SYSTEMS		DRAWING NO. A31-15
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



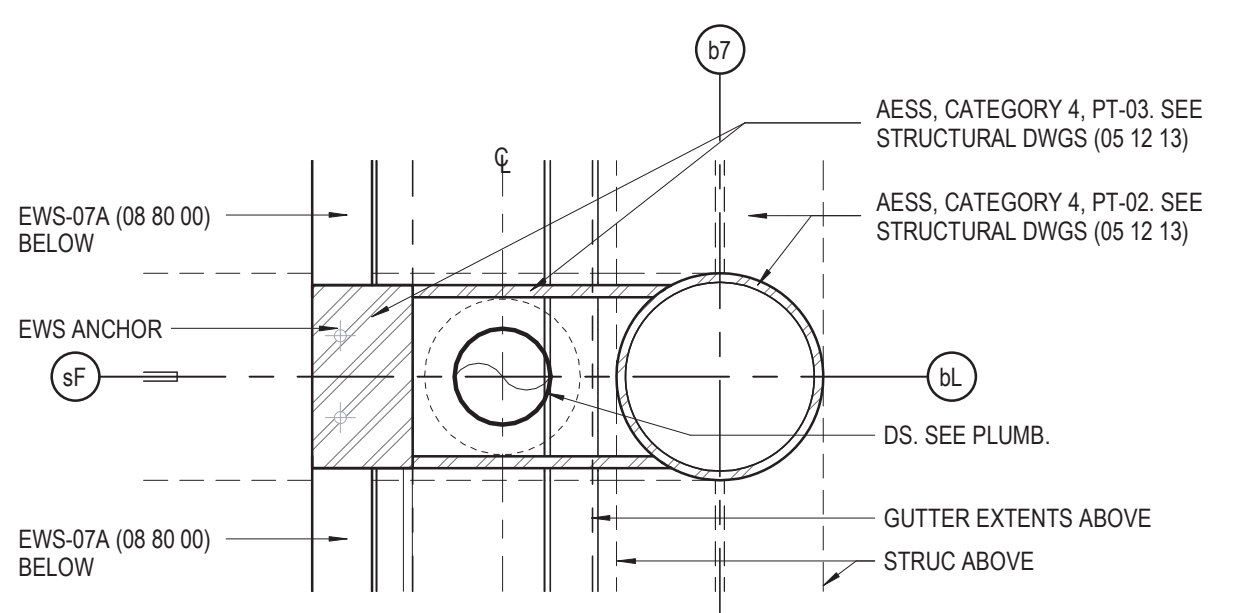
8 TYP BRIDGE SYSTEM ISOMETRIC
NOT TO SCALE



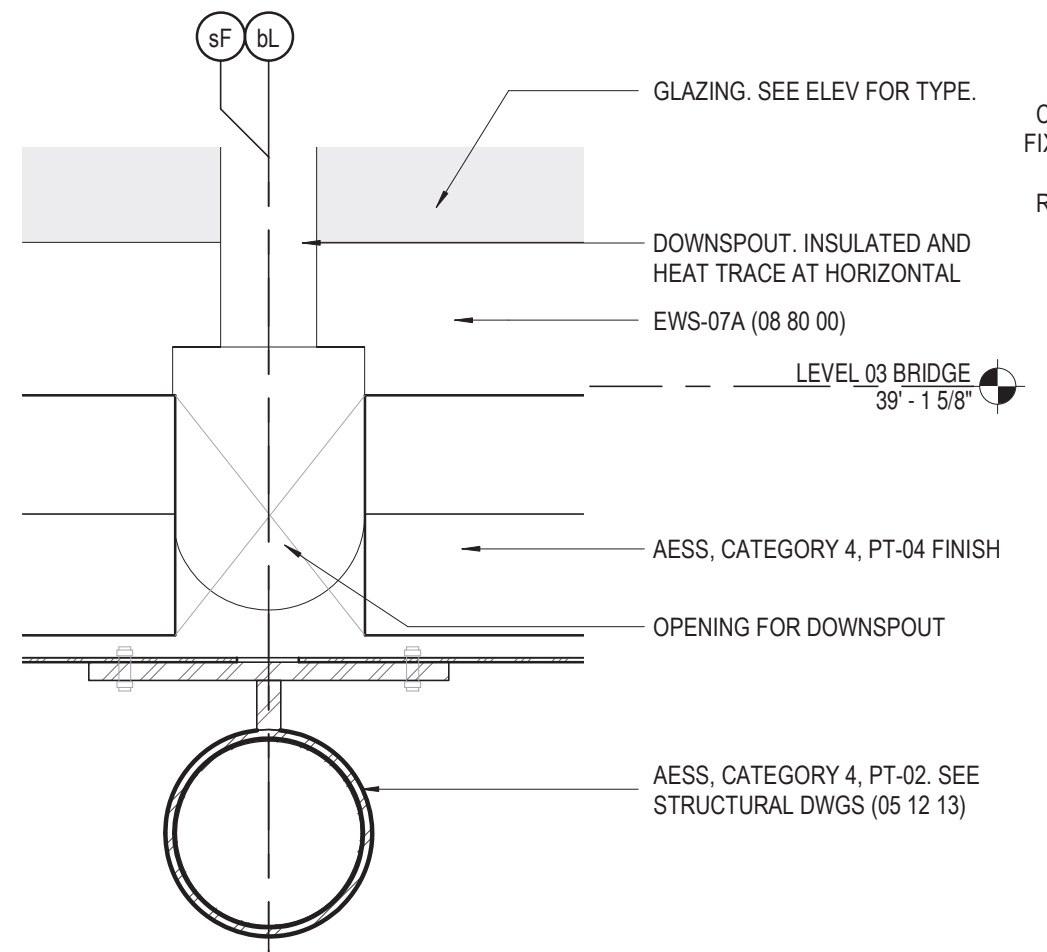
7 UNDER BRIDGE LIGHTING SECTION
1 1/2" = 1'-0"



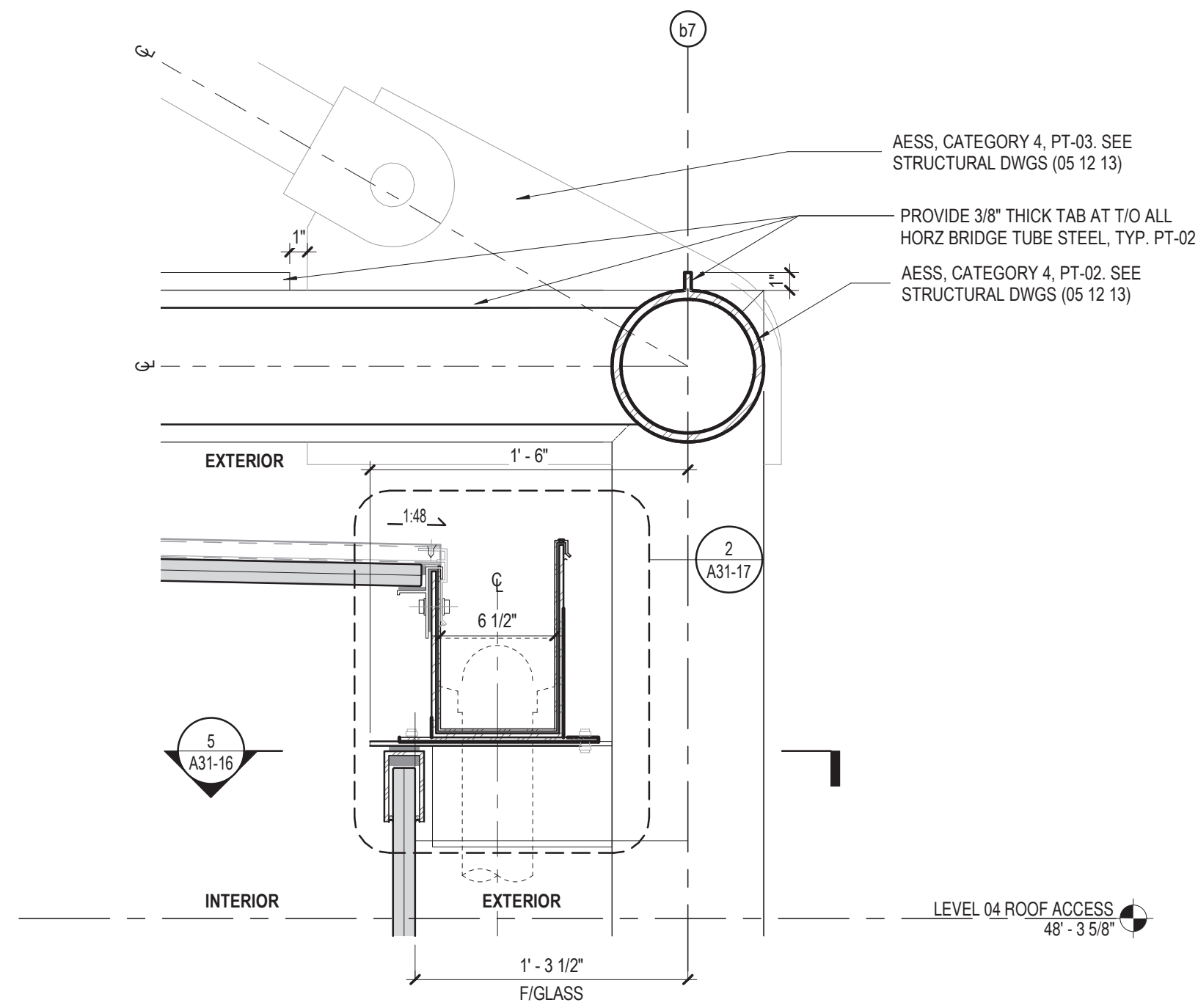
6 BRIDGE HANGER TOP
1 1/2" = 1'-0"



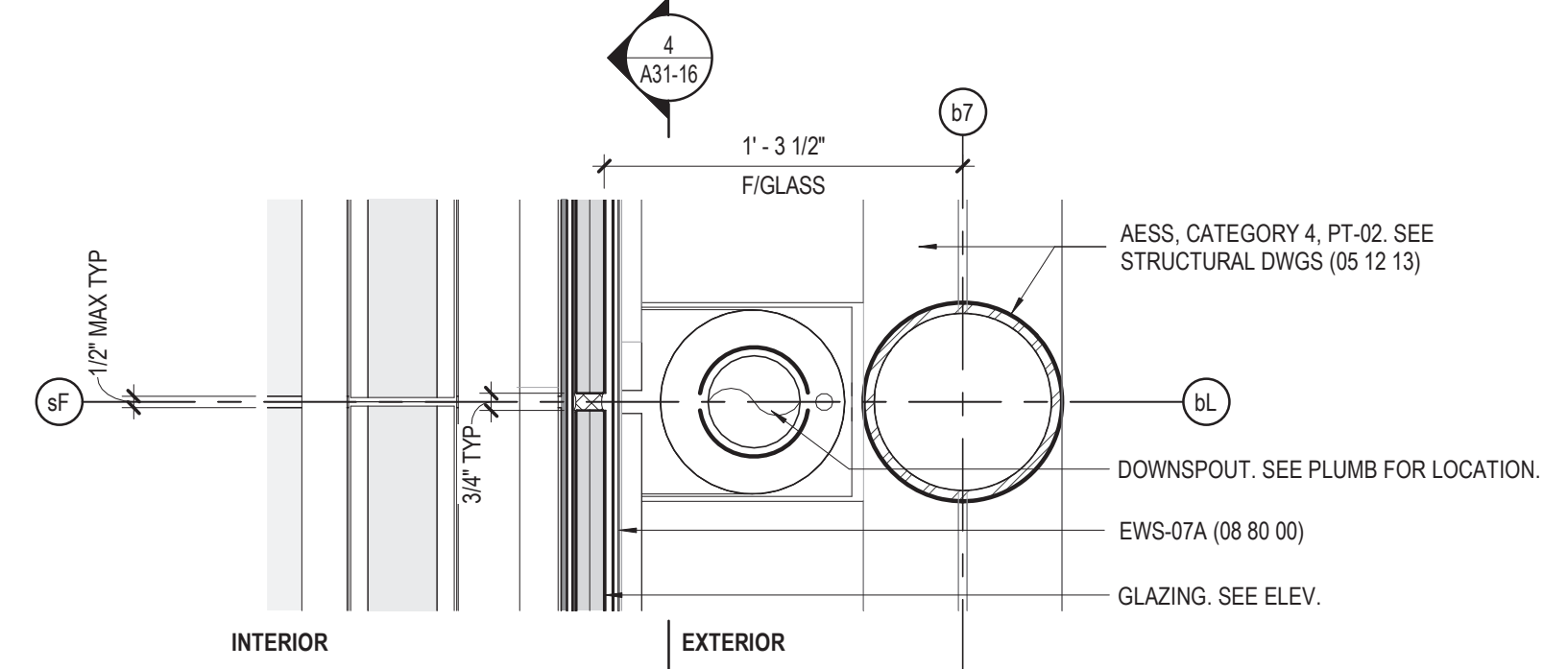
5 BRIDGE PLAN @ ROOF
1 1/2" = 1'-0"



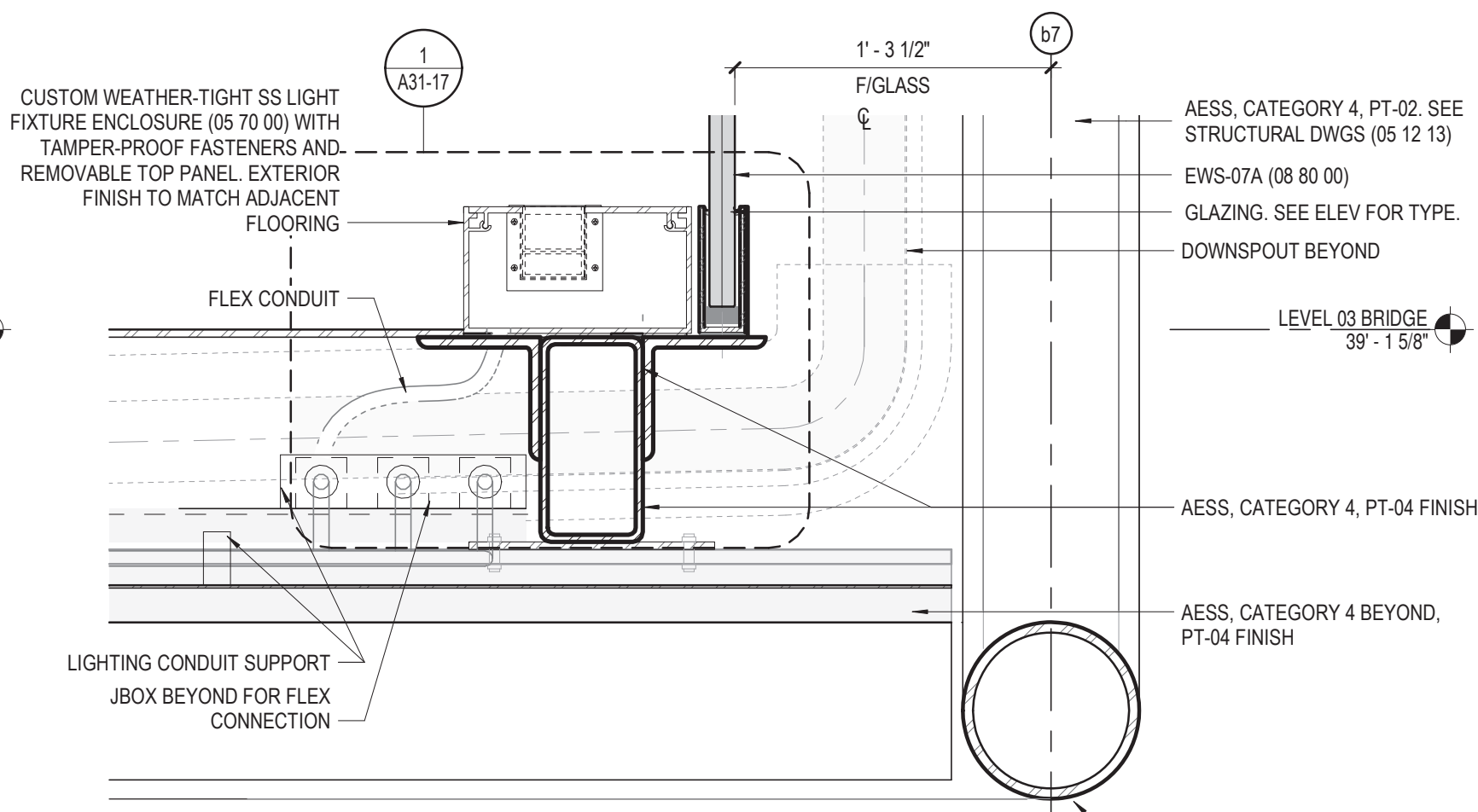
4 BRIDGE SECTION @ DOWNSPOUT
1 1/2" = 1'-0"



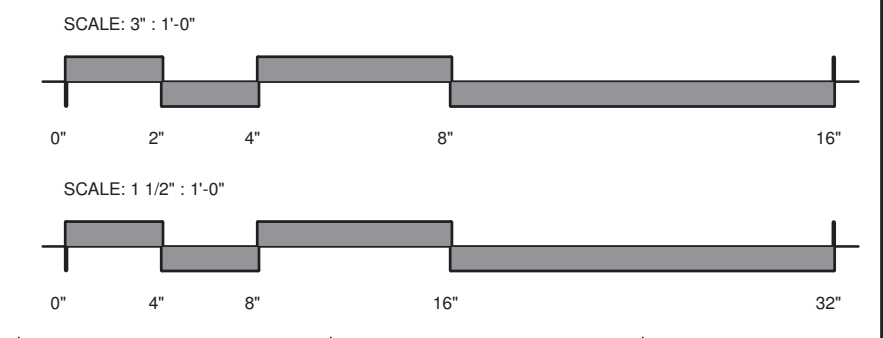
3 BRIDGE TYP GUTTER DETAIL
1 1/2" = 1'-0"



2 BRIDGE PLAN TYP
1 1/2" = 1'-0"

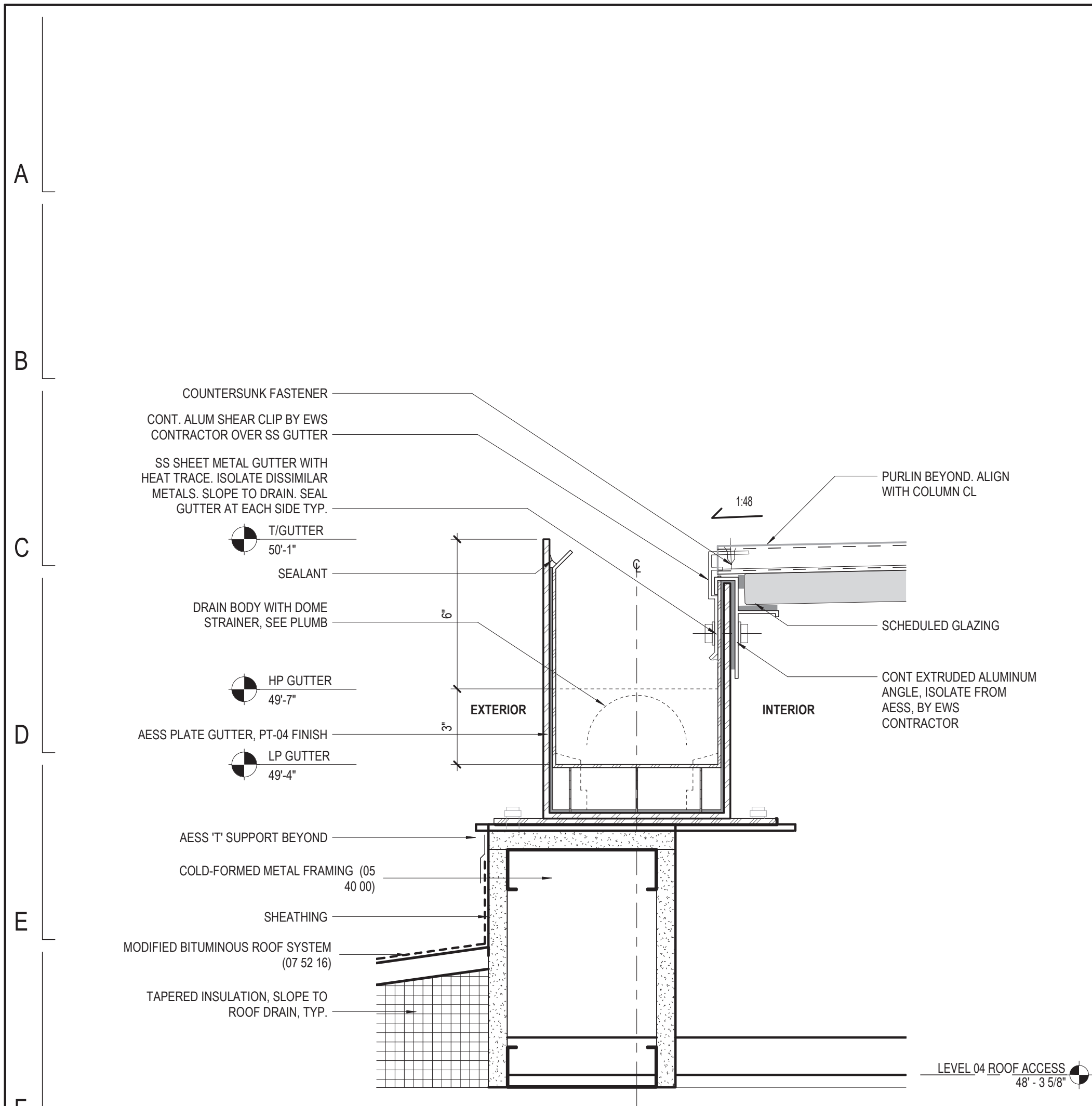


1 BRIDGE BASE DETAIL
1 1/2" = 1'-0"

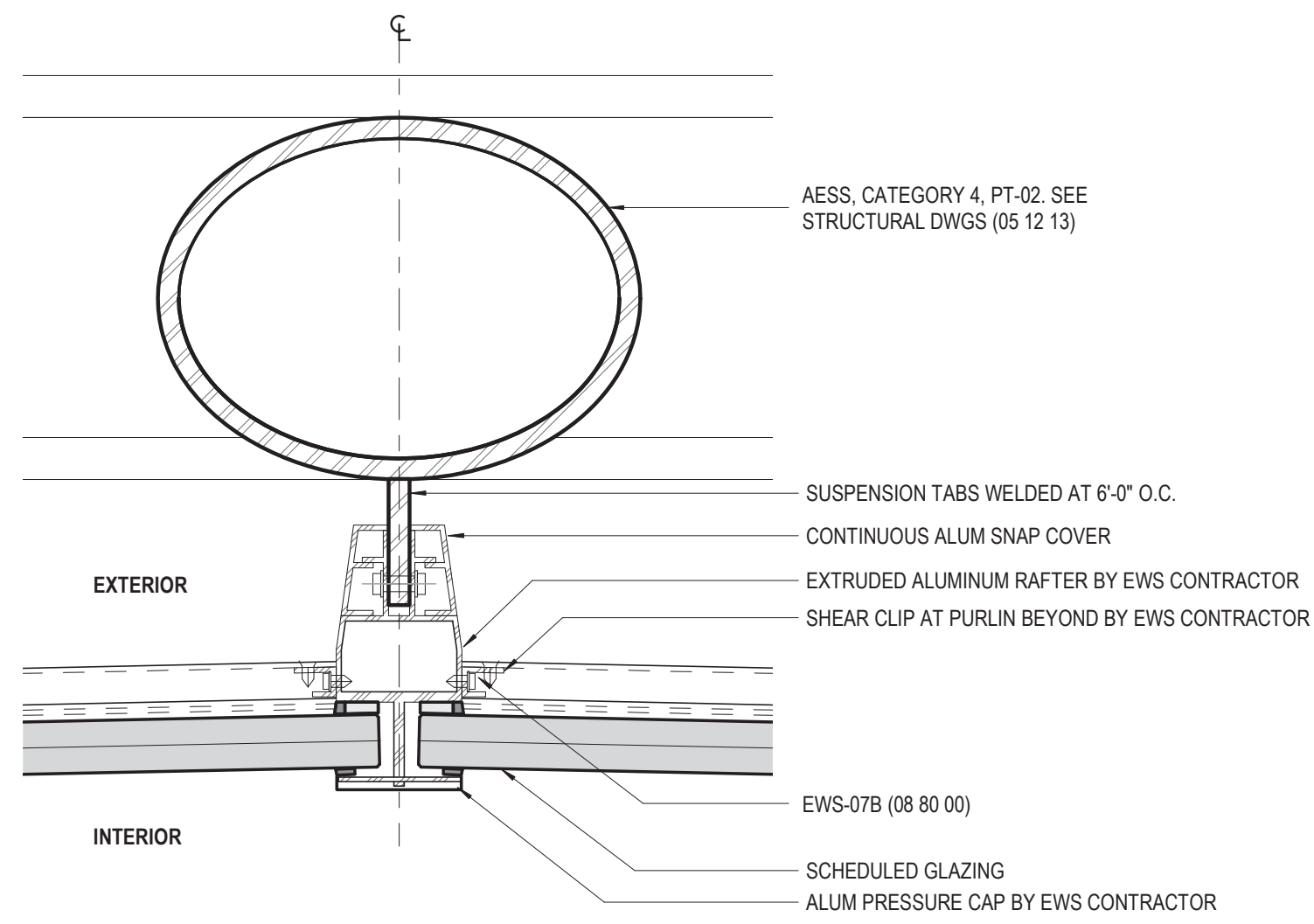


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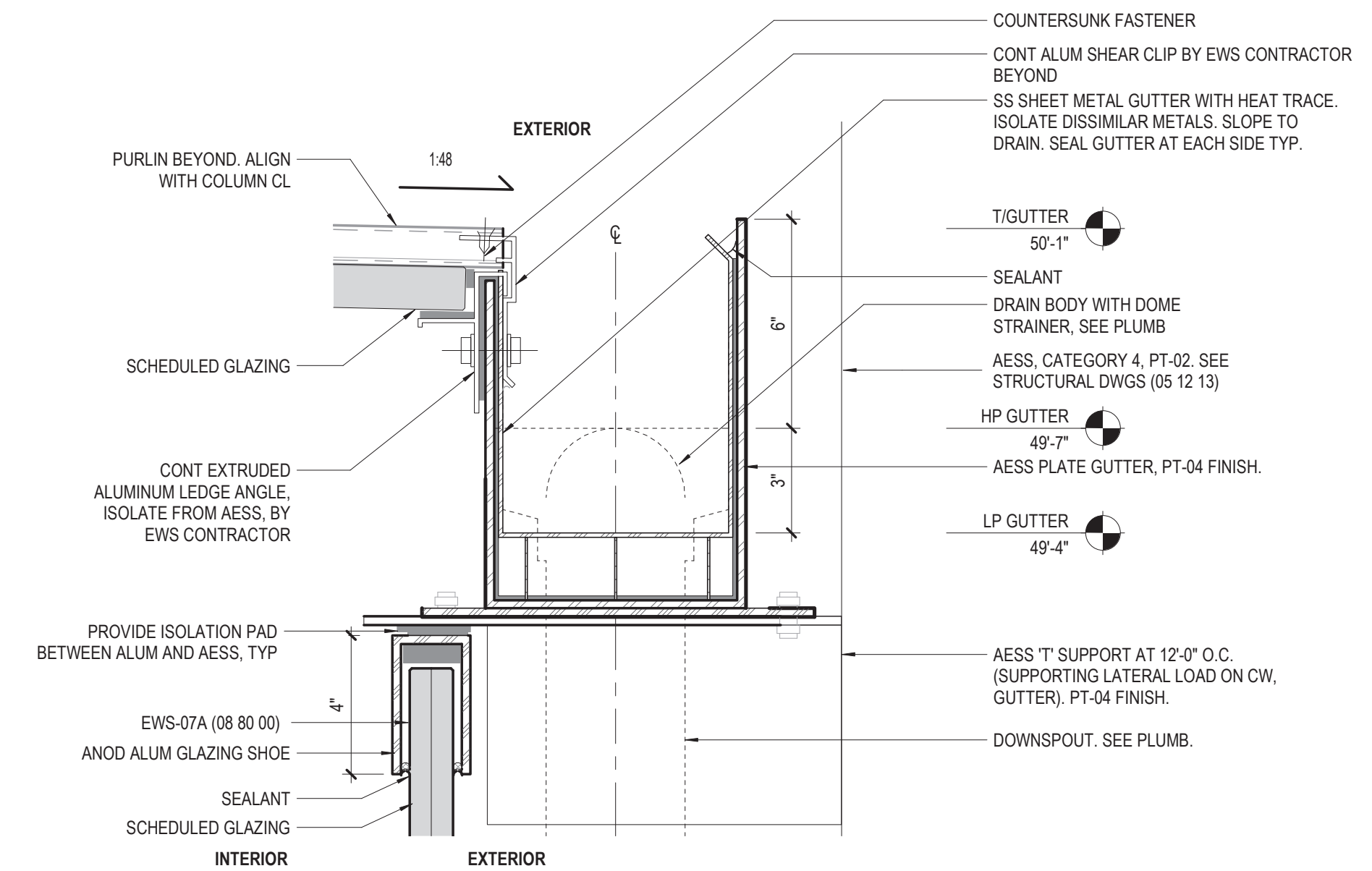
PERKINS+WILL <small>The Wrigley Building 410 North Michigan Ave. Suite 1600 Chicago, IL 60611 1 312.755.0770 1 312.755.0775 www.perkinswill.com</small>	 CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	154 N DAMEN AVE - DAMEN GREEN LINE STATION	SPEC. NO.	
		BRIDGE DETAILS		DRAWING NO. A31-16
		CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



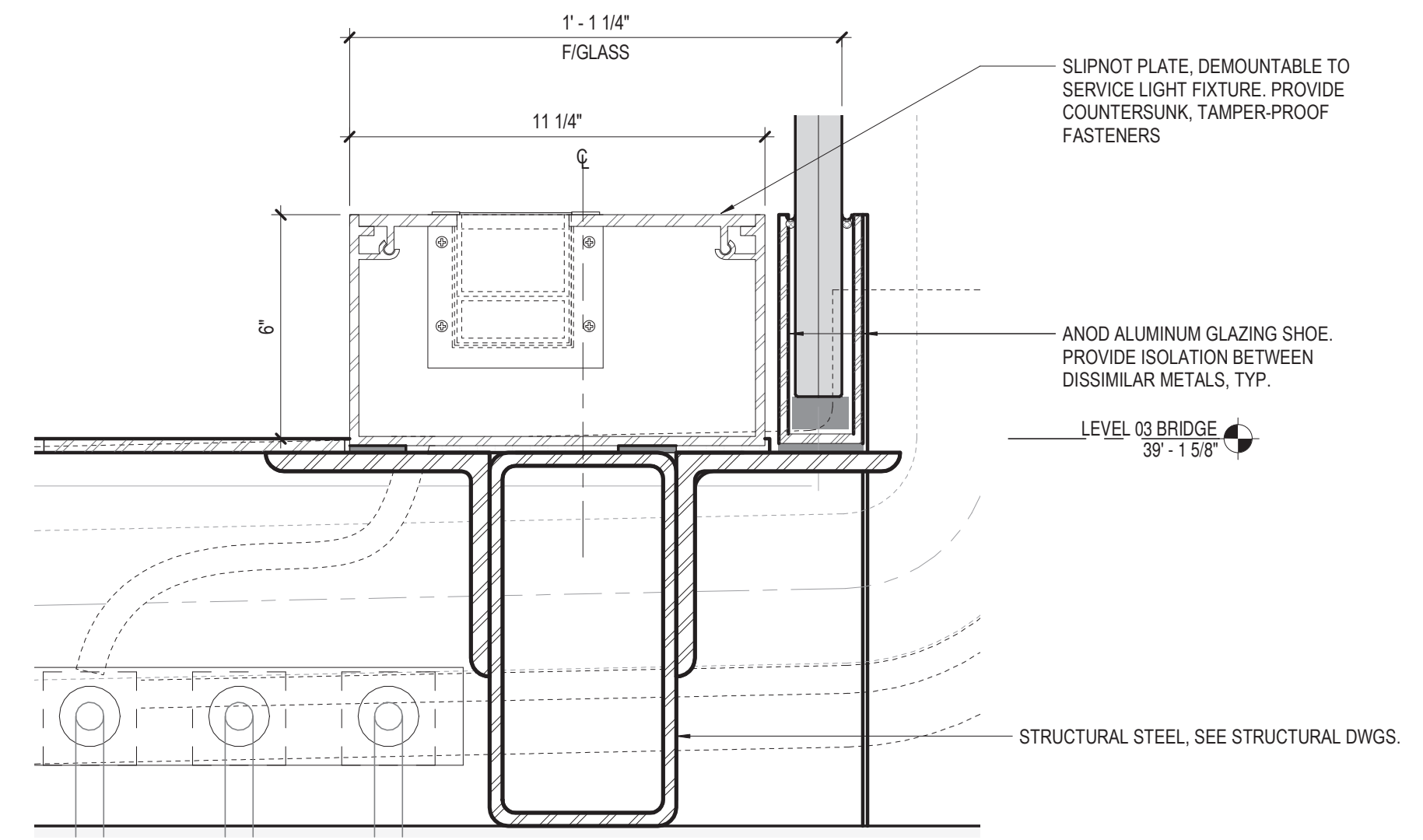
4 BRIDGE SECTION @ LOW ROOF
3" = 1'-0"



3 BRIDGE ROOF DETAIL
3" = 1'-0"



2 ENLARGED BRIDGE GUTTER DETAIL
3" = 1'-0"



1 BRIDGE CURB DETAIL
3" = 1'-0"

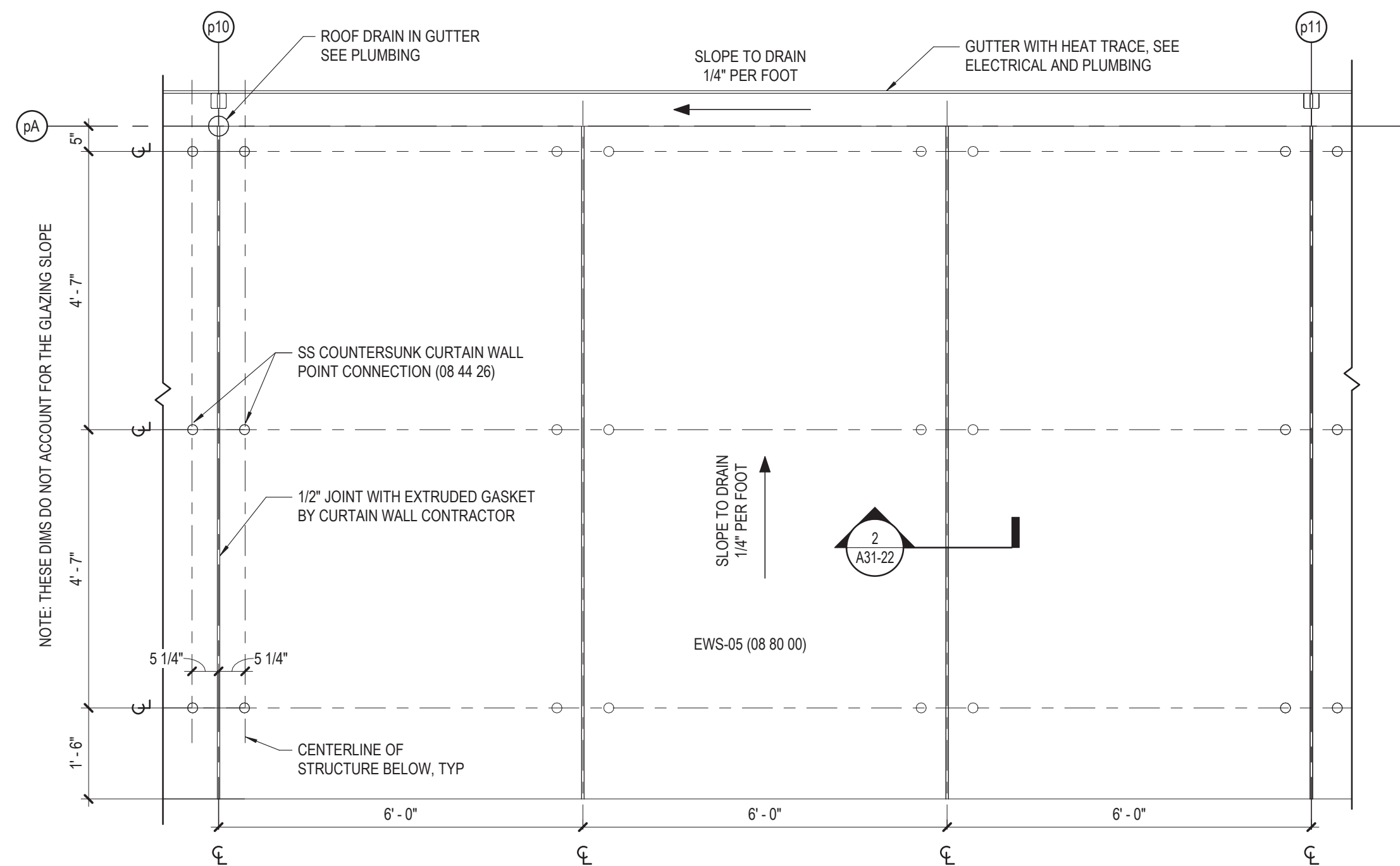
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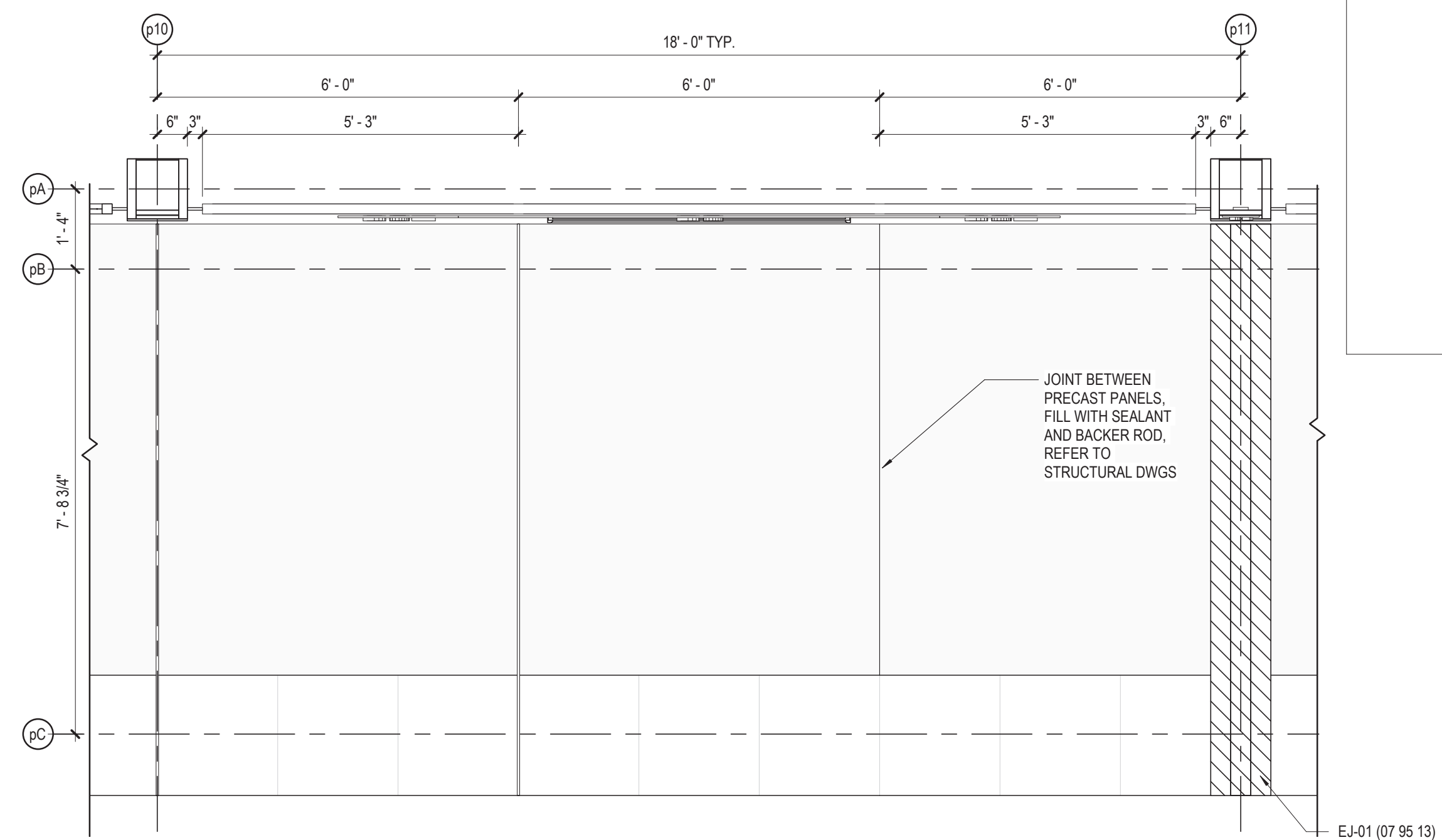
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
BRIDGE DETAILS
CDOT PROJECT D-7-135 DATE: 01/27/2020

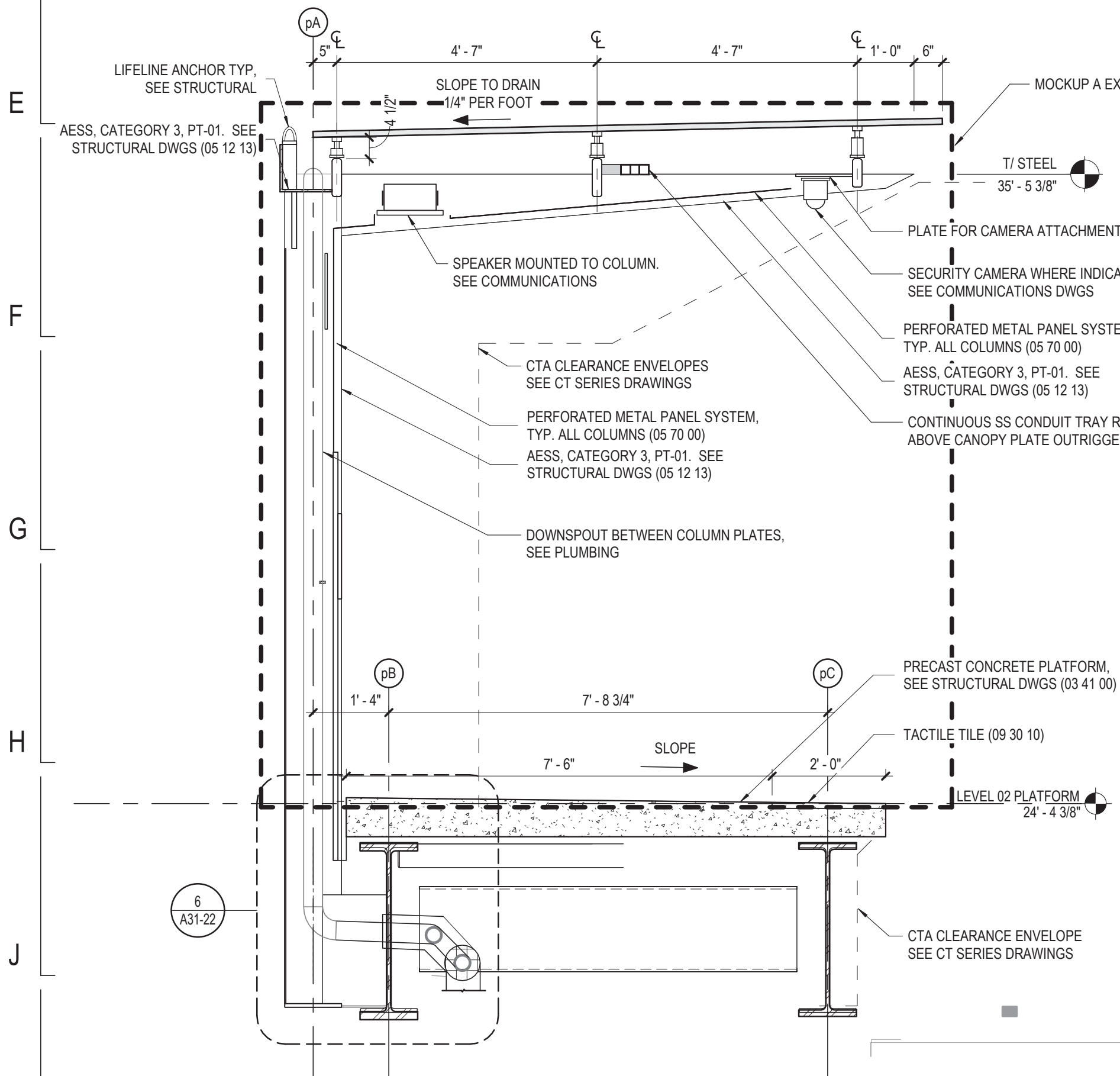
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DRAWING NO.
A31-17
REVISION NO.



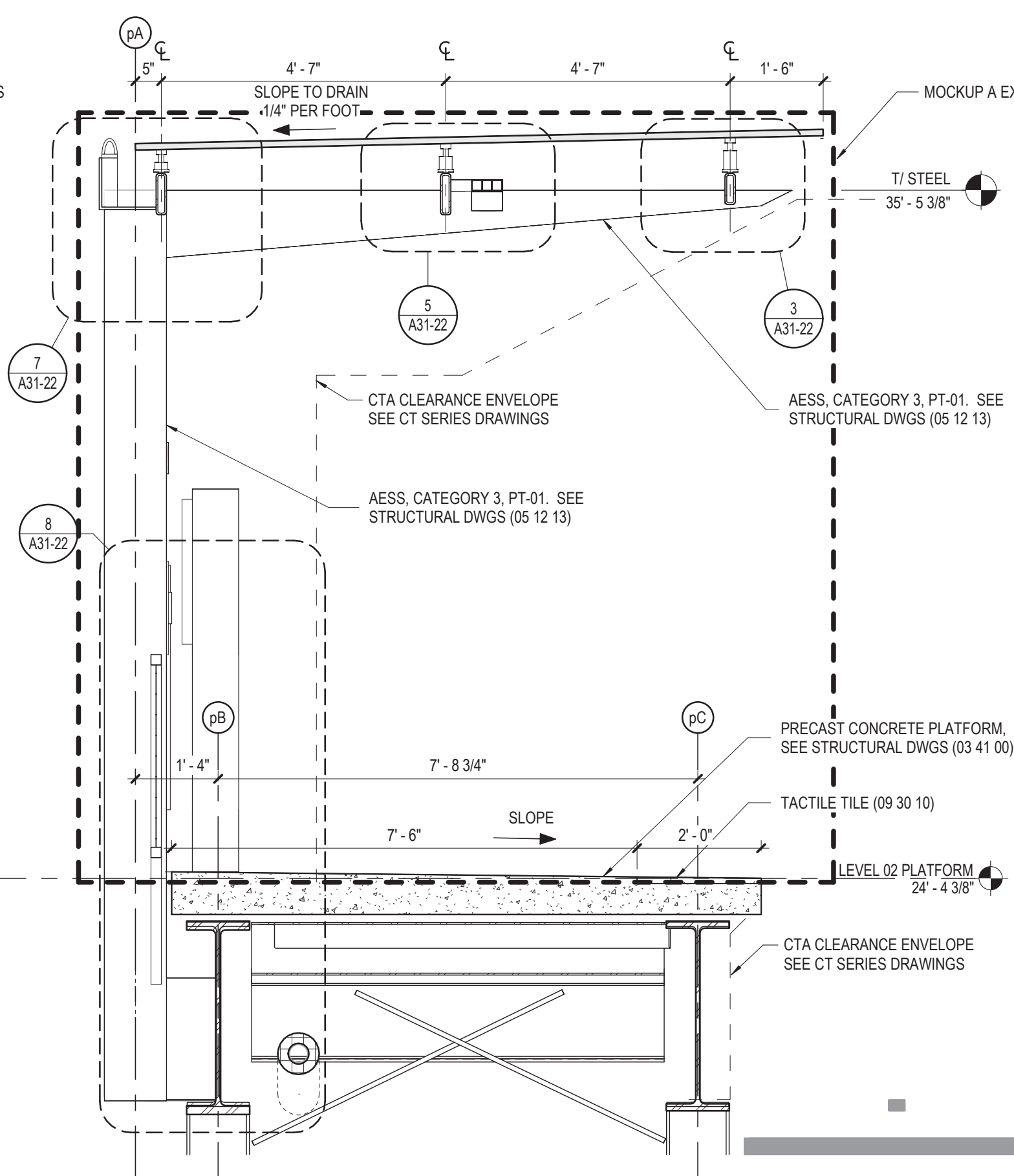
4 CANOPY ROOF PLAN
1/2" = 1'-0"



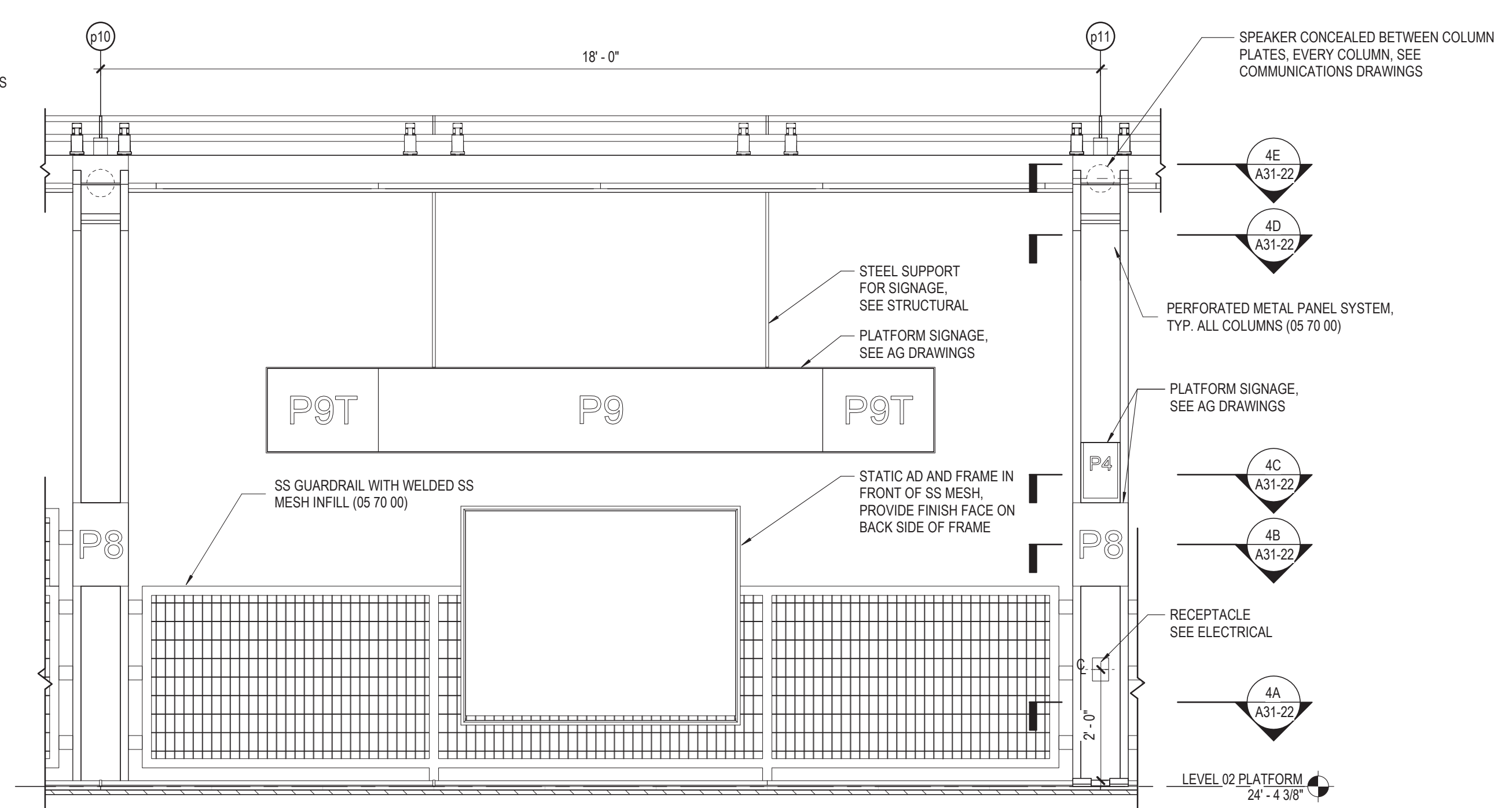
2 TYP ENLARGED PLATFORM PLAN
1/2" = 1'-0"



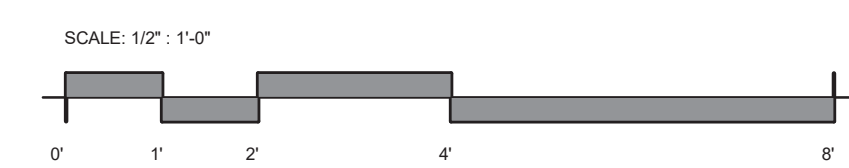
3A PLATFORM CANOPY SECTION THROUGH COLUMN
1/2" = 1'-0"



3B PLATFORM CANOPY SECTION AT GUARDRAIL
1/2" = 1'-0"



1 TYP PLATFORM CANOPY ELEVATION
1/2" = 1'-0"



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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

ENLARGED PLATFORM SYSTEMS

SPEC. NO.

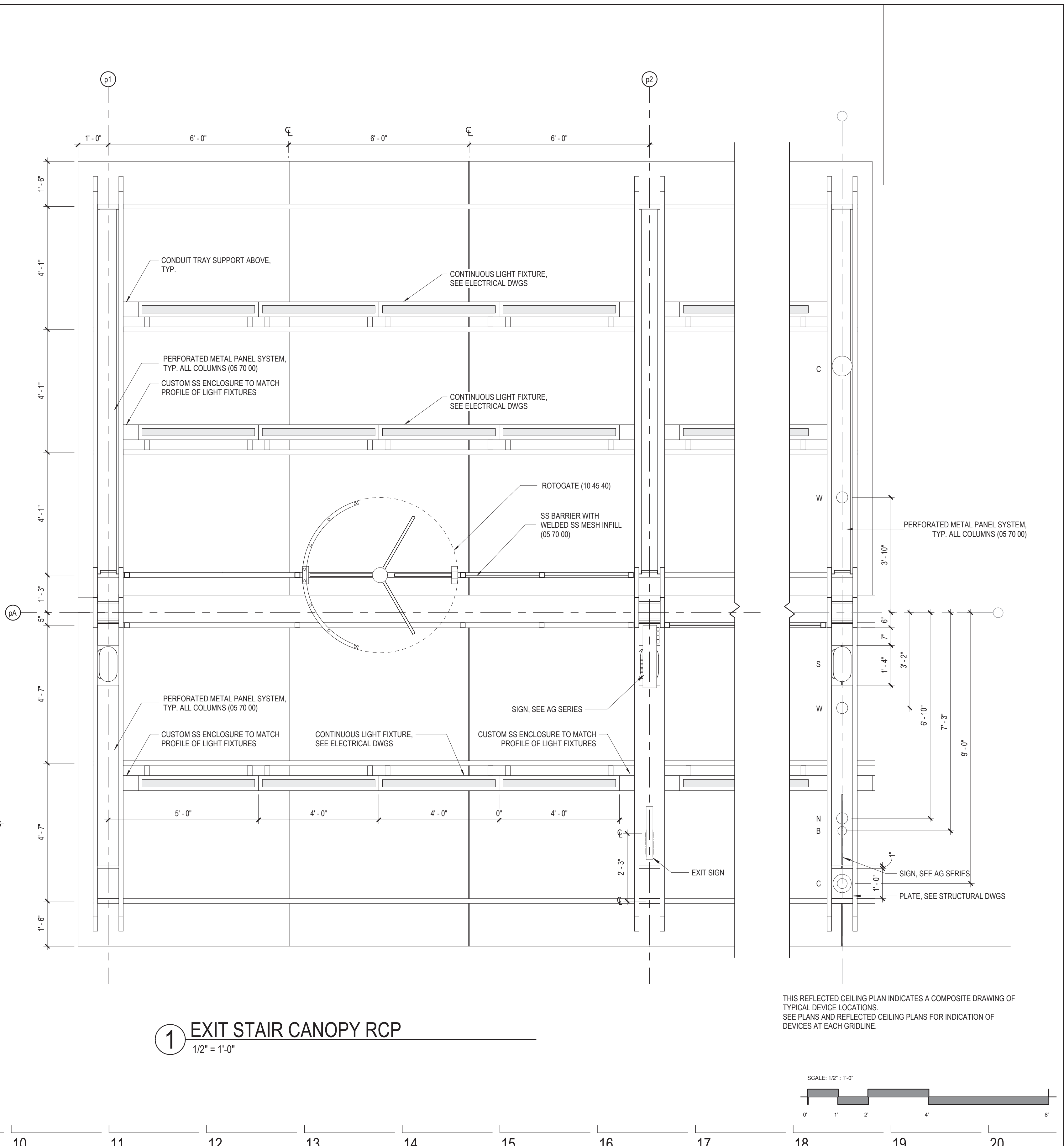
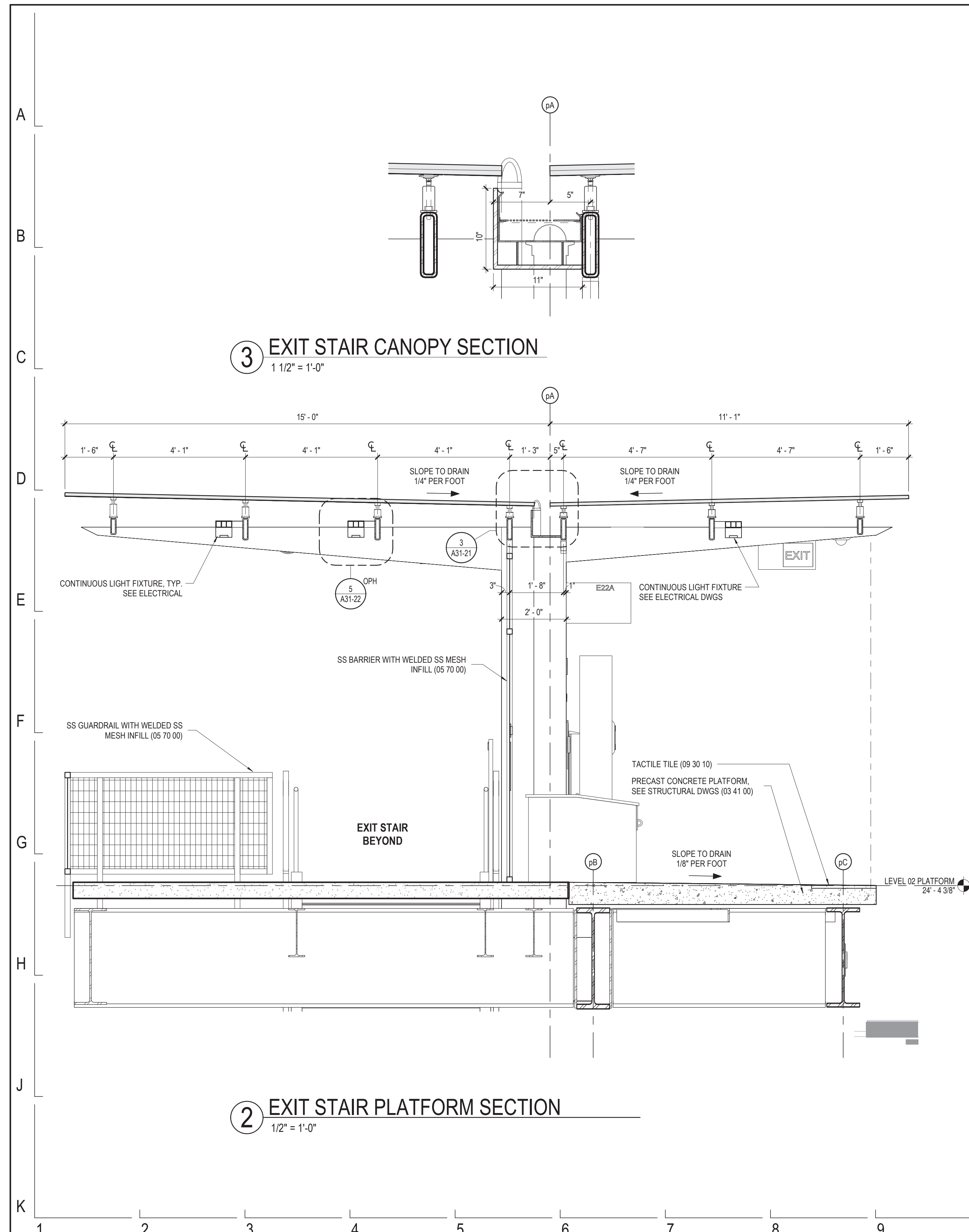
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CDOT PROJECT D-7-135

DATE: 01/27/2020



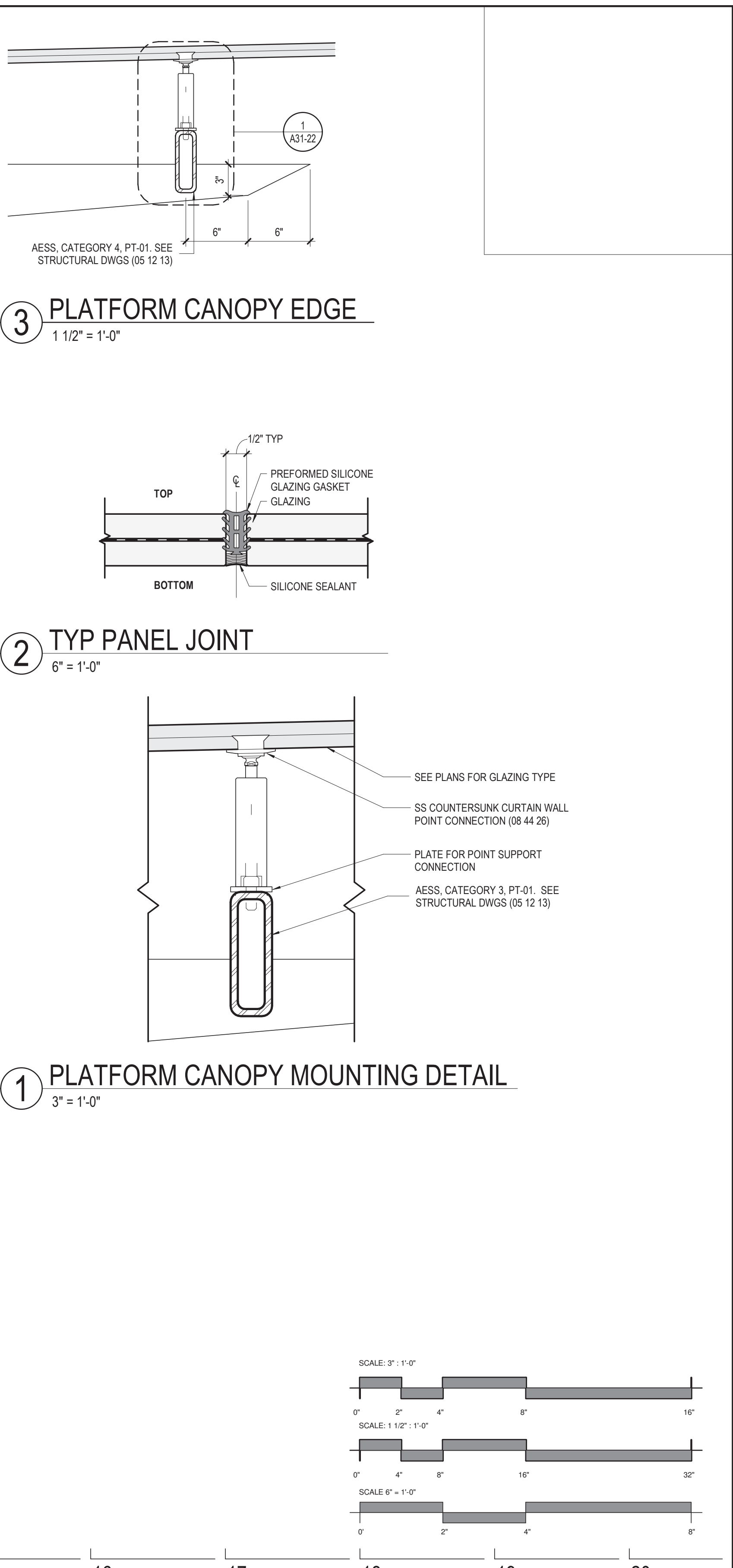
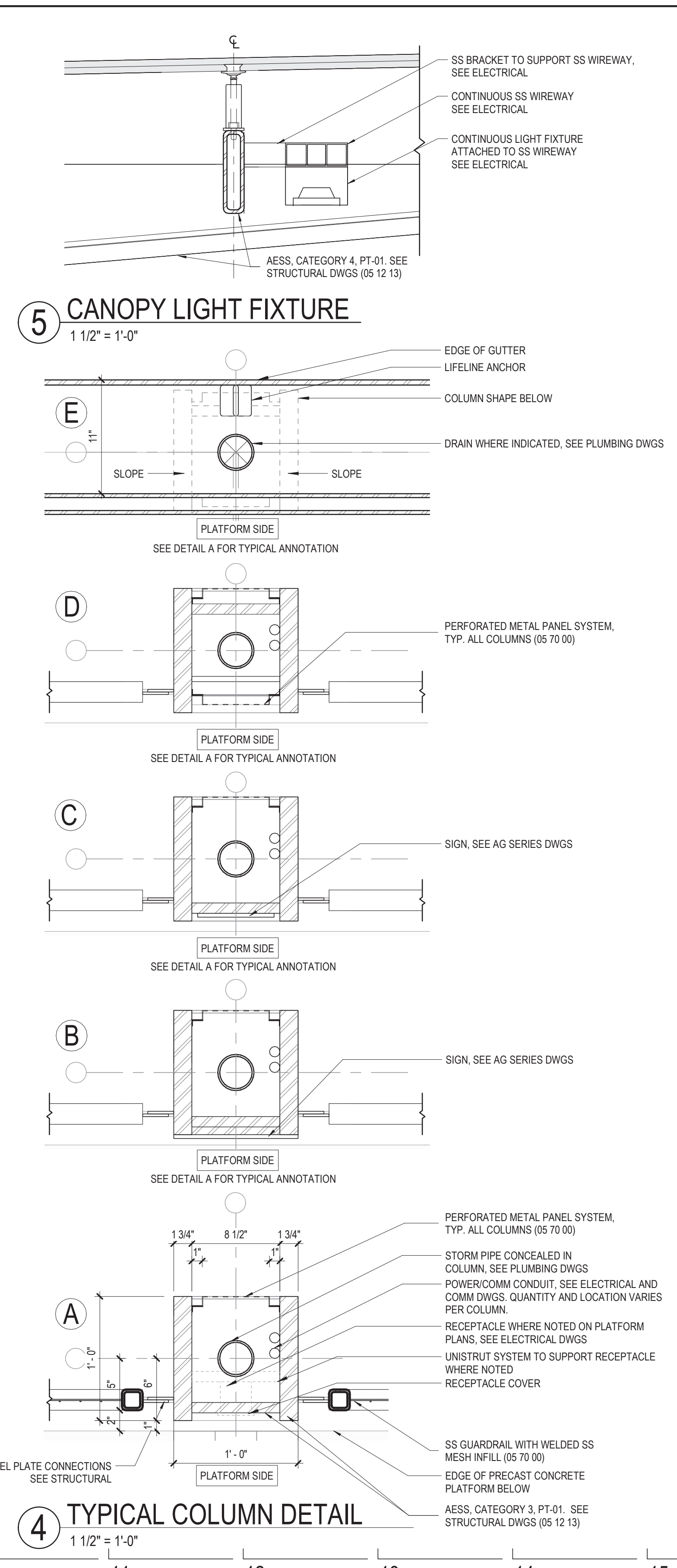
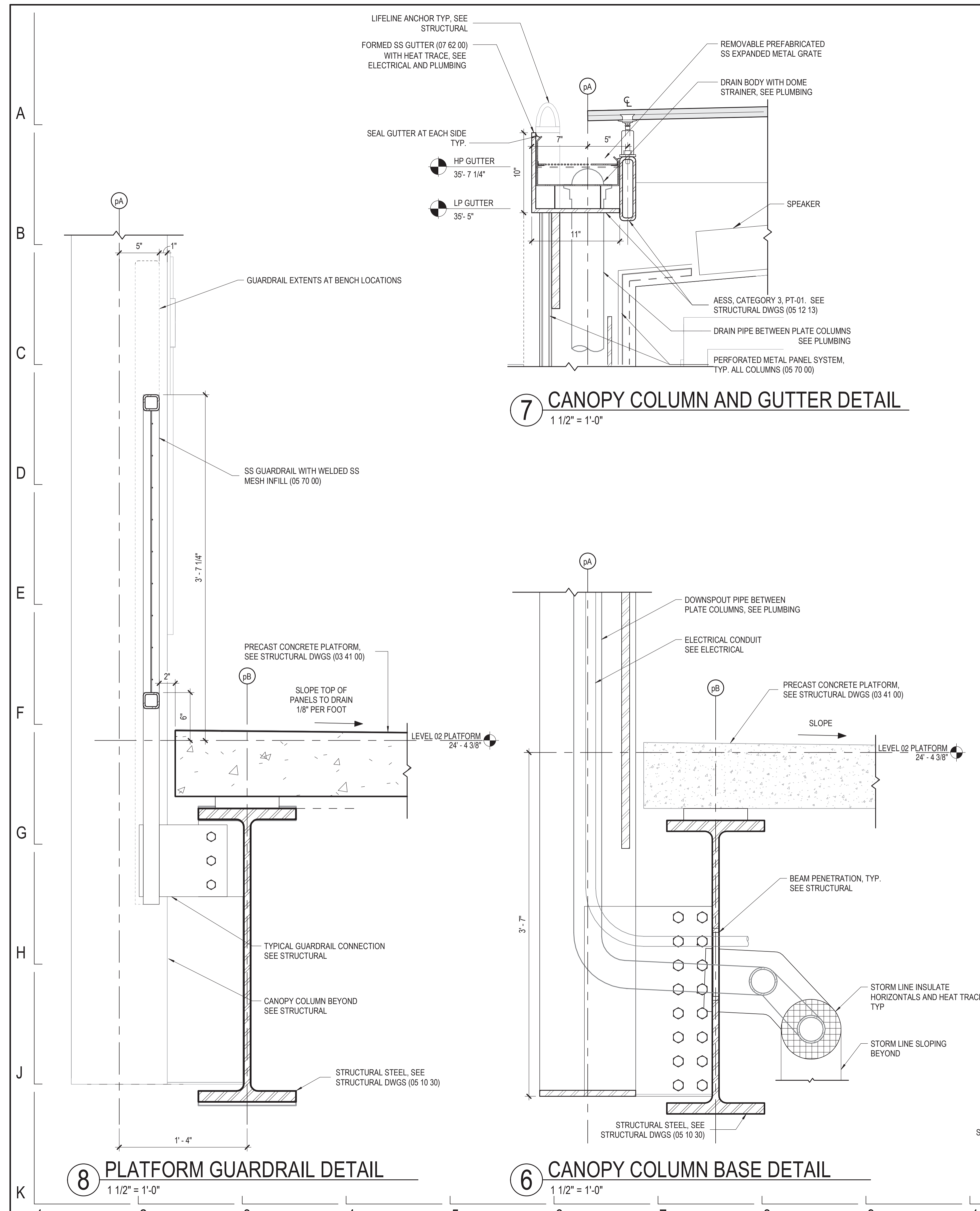
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
ENLARGED PLATFORM SYSTEMS
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
 DRAWING NO.
A31-21
 REVISION NO.



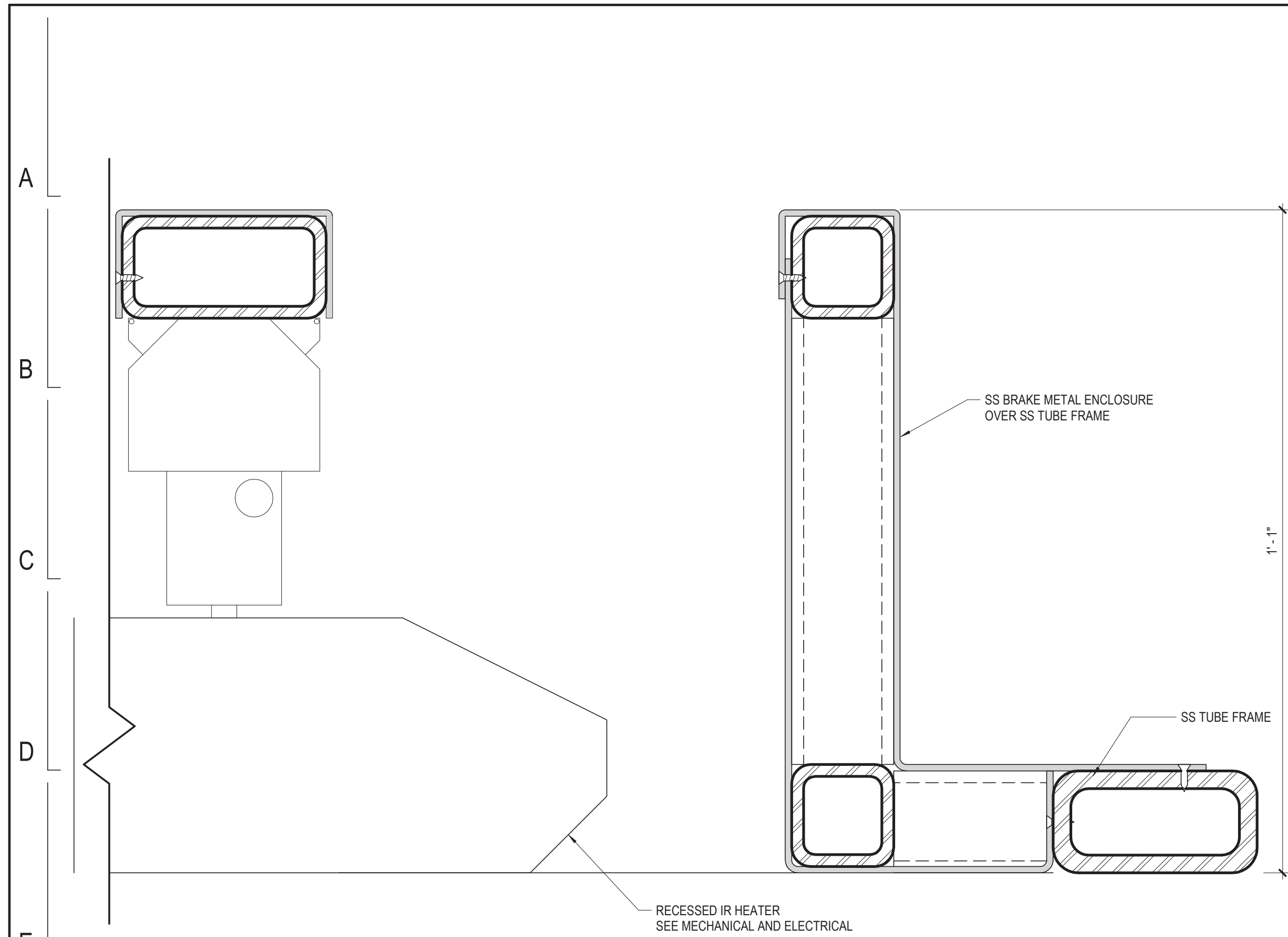
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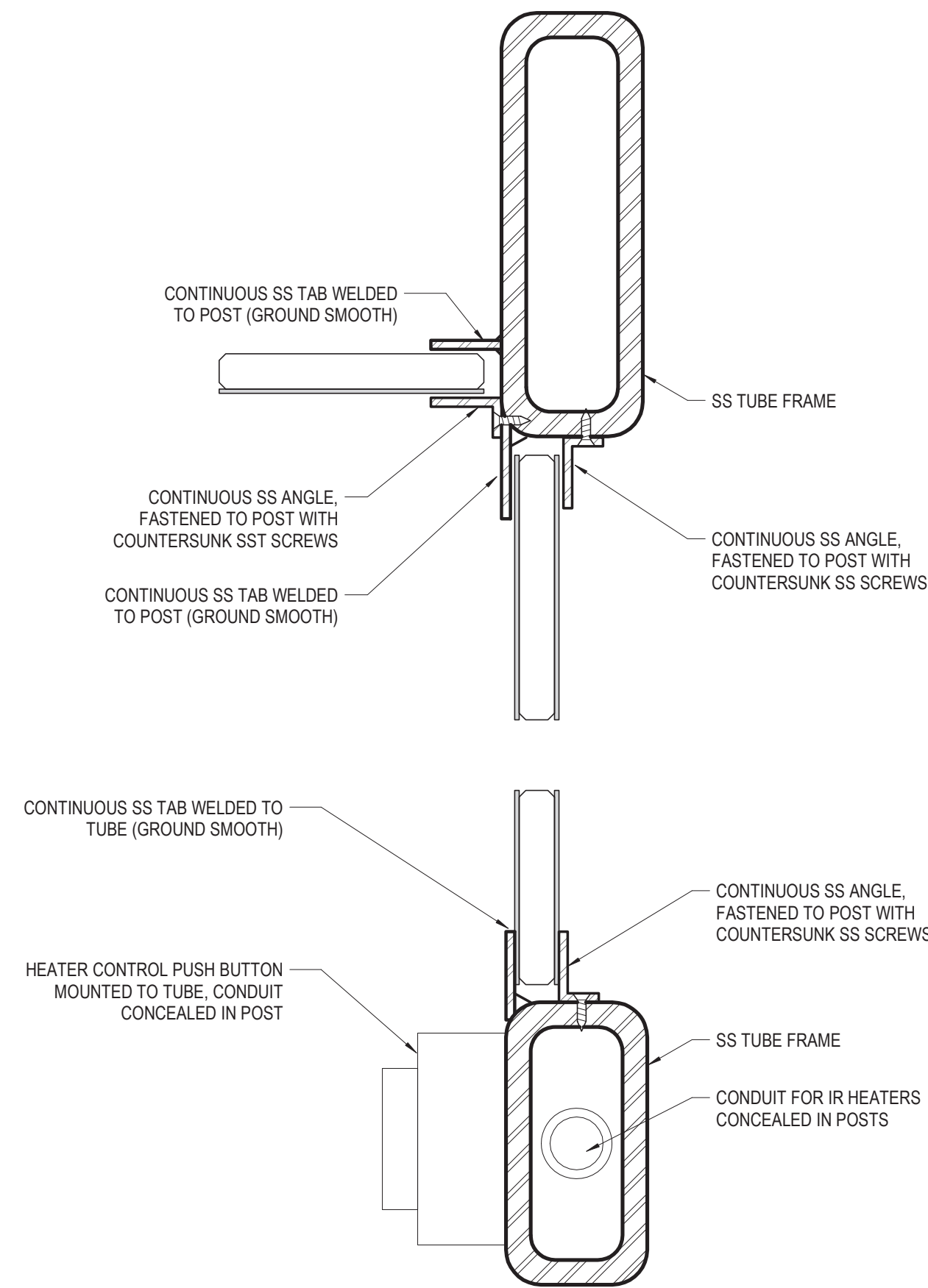
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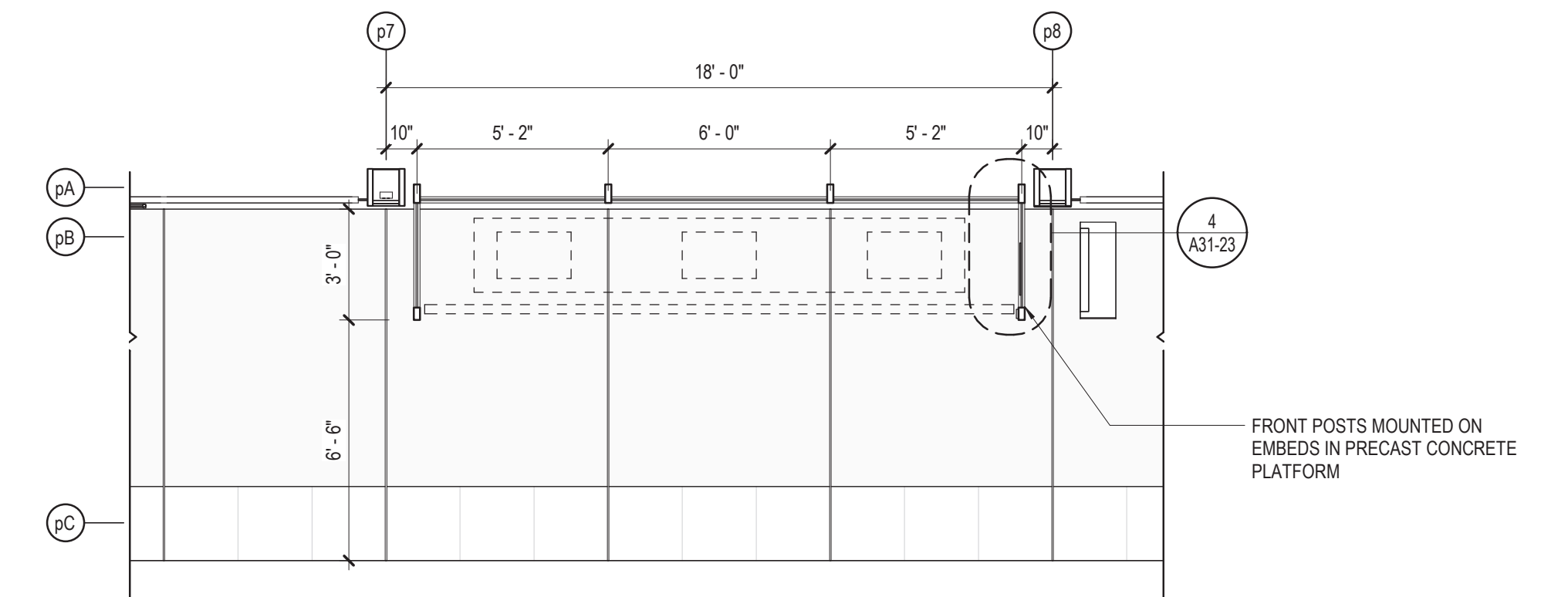
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
PLATFORM DETAILS		DRAWING NO. A31-22
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



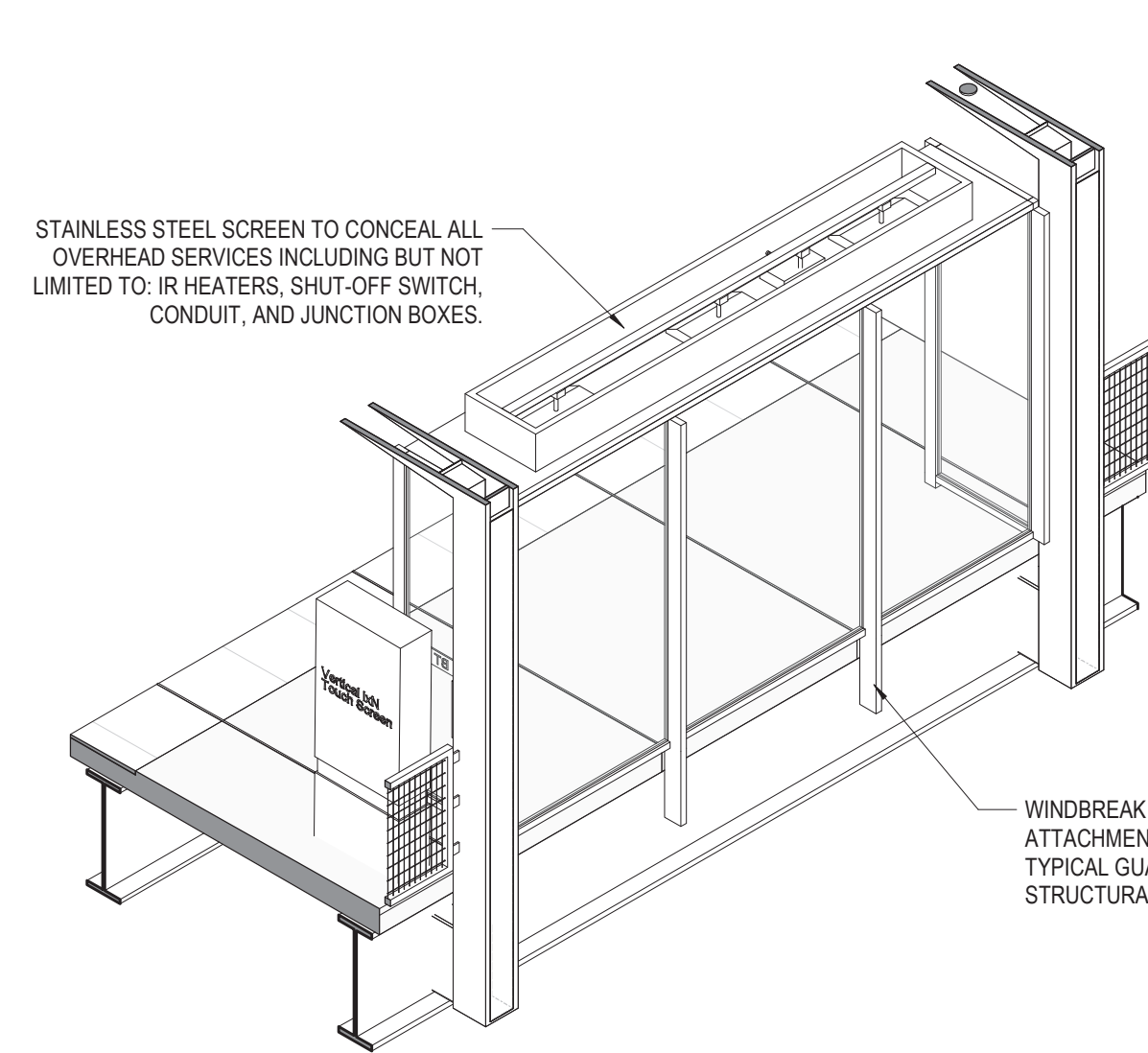
7 WINDBREAK DETAIL - SS SCREEN
6" = 1'-0"



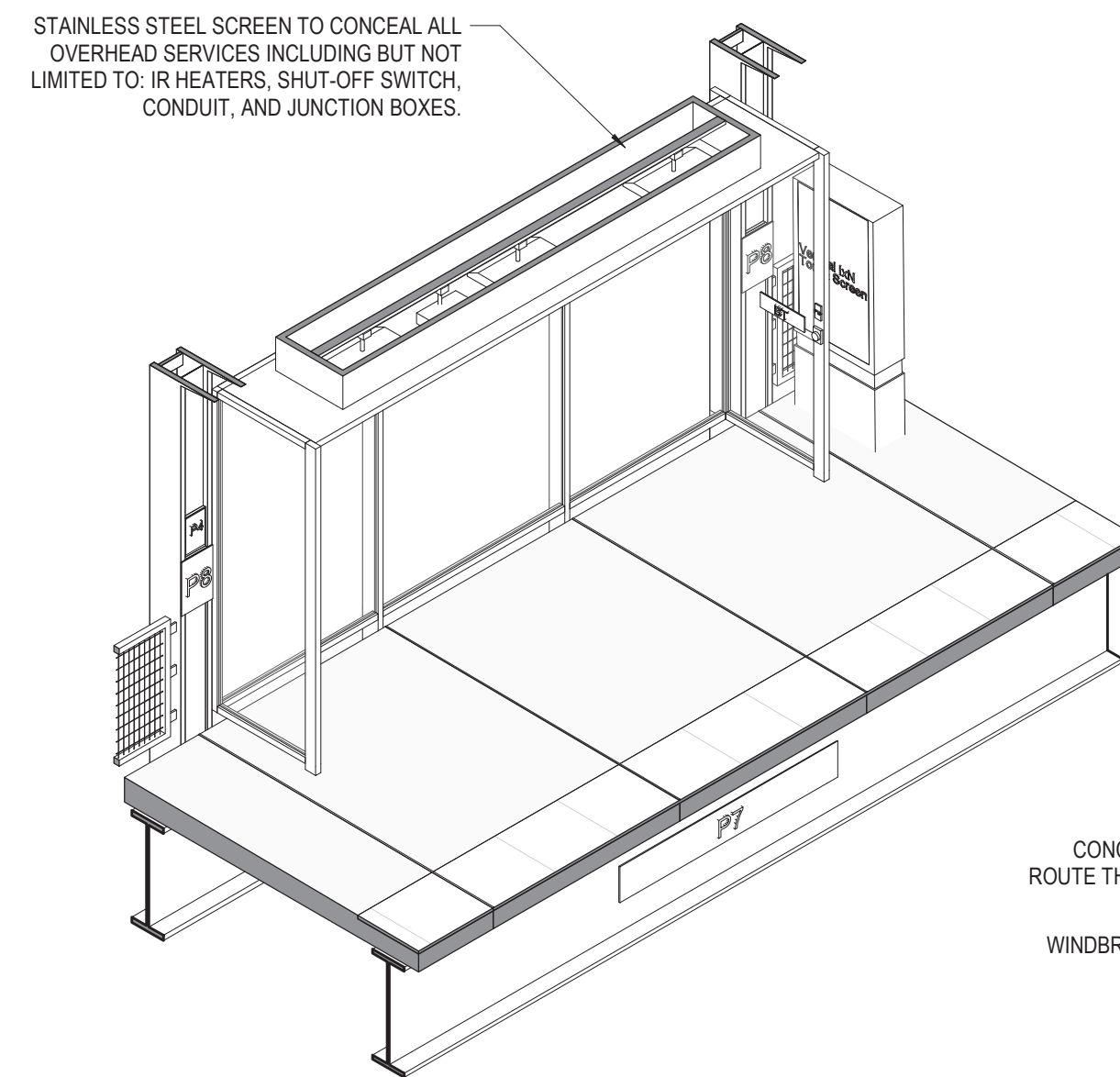
4 WINDBREAK DETAIL - PLAN
6" = 1'-0"



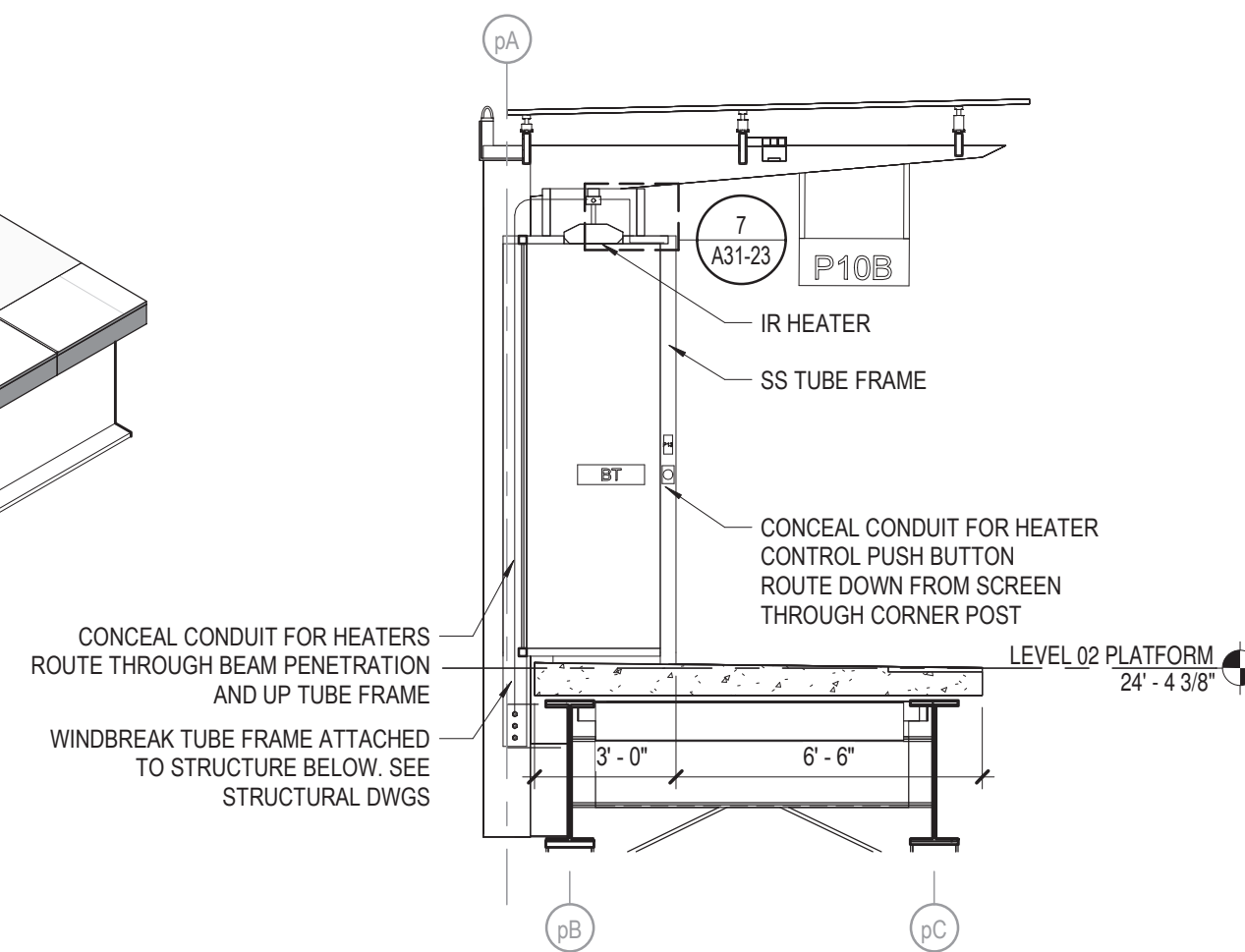
2 WINDBREAK PLAN
1/4" = 1'-0"



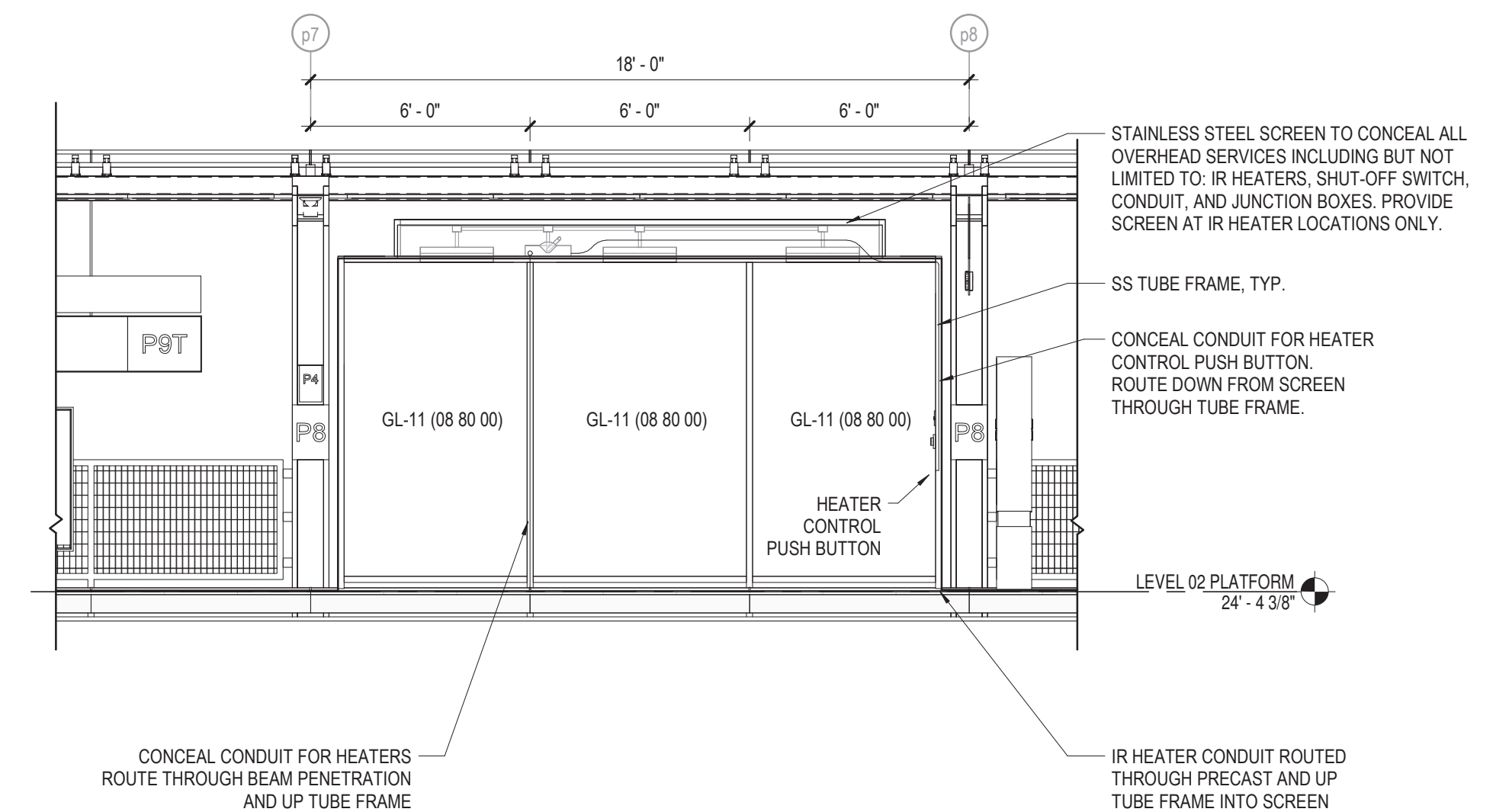
6 WINDBREAK AXON - BACK



5 WINDBREAK AXON - FRONT



3 WINDBREAK SECTION
1/4" = 1'-0"



1 WINDBREAK ELEVATION
1/4" = 1'-0"

NOTE: REFERENCE SPECIFICATION SECTION 05 70 00 FOR WINDBREAK SCOPE.

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154 N DAMEN AVE - DAMEN GREEN LINE STATION

PLATFORM FURNITURE DETAILS - WINDBREAK

SPEC. NO.

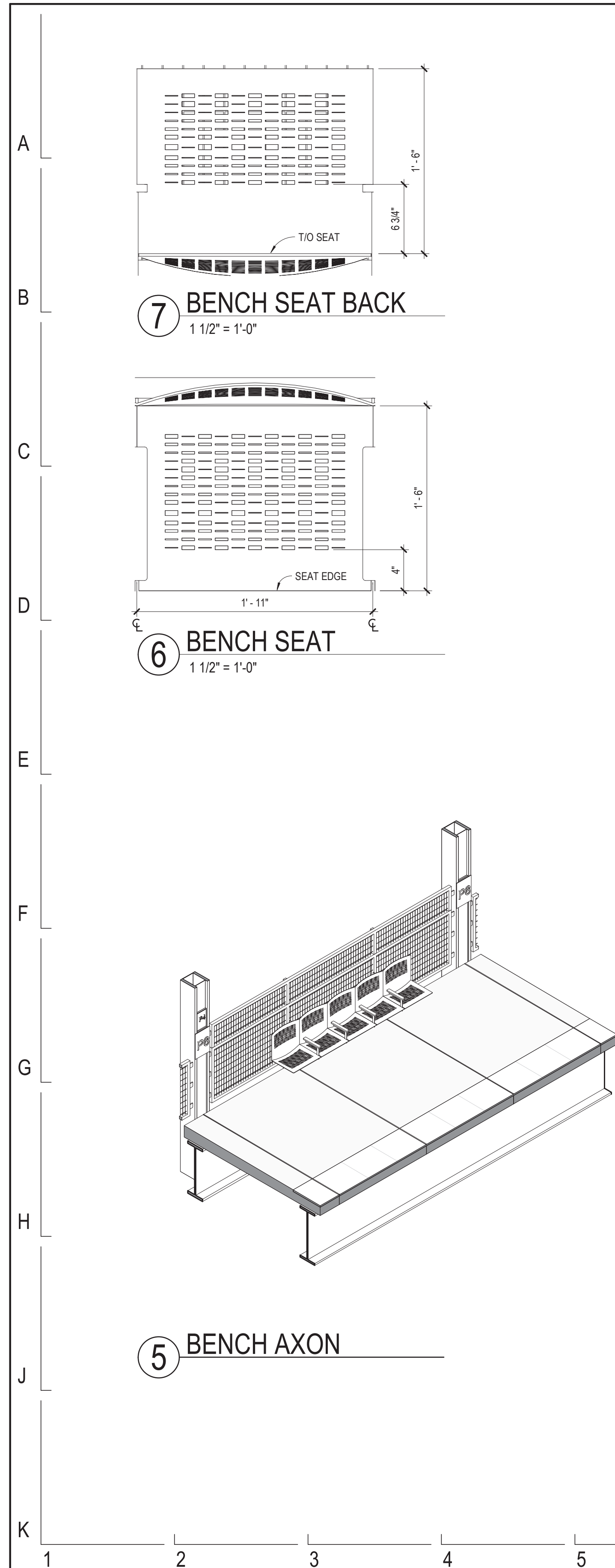
DRAWING NO.

A31-23

REVISION NO.

CDOT PROJECT D-7-135

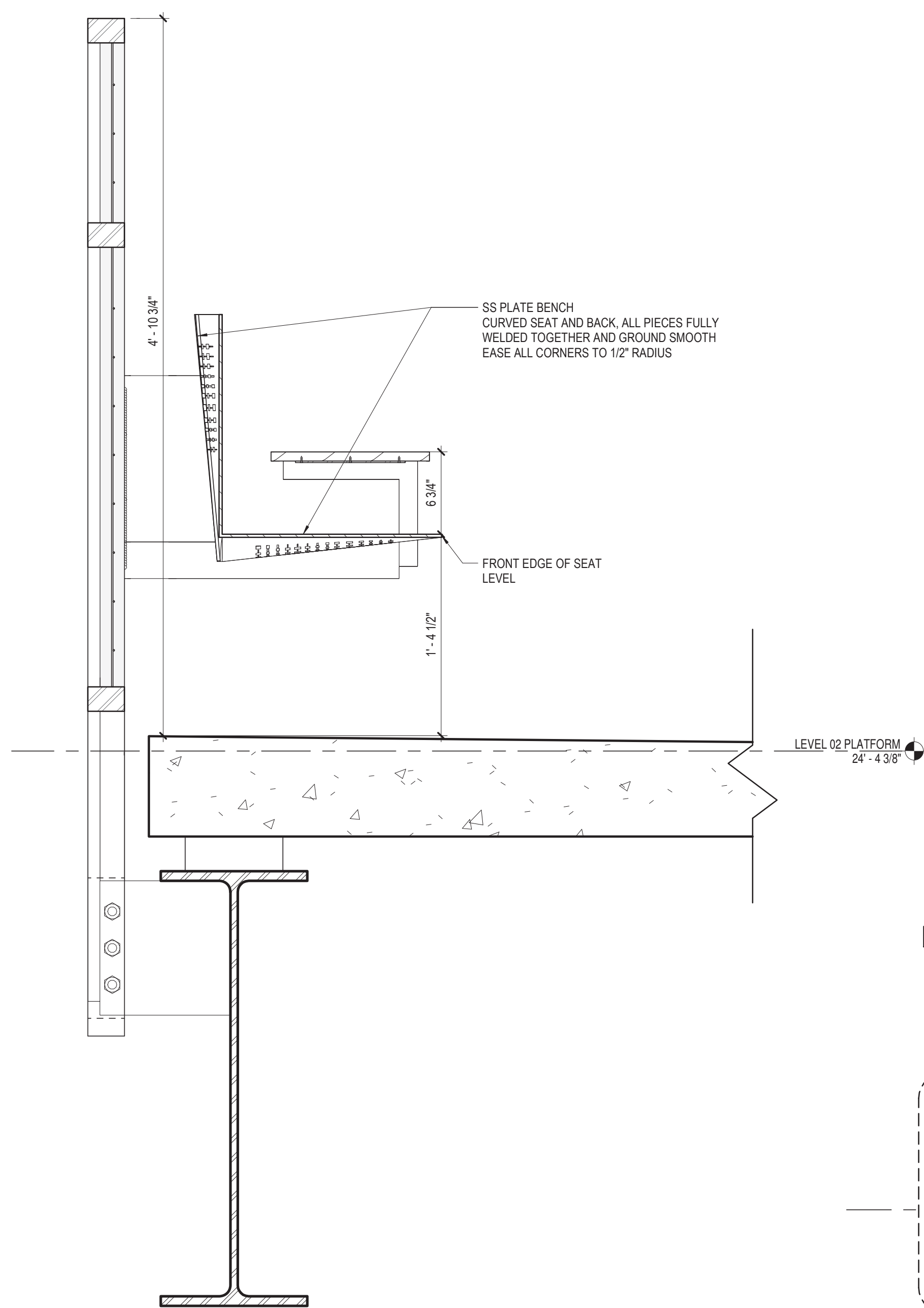
DATE: 01/27/2020



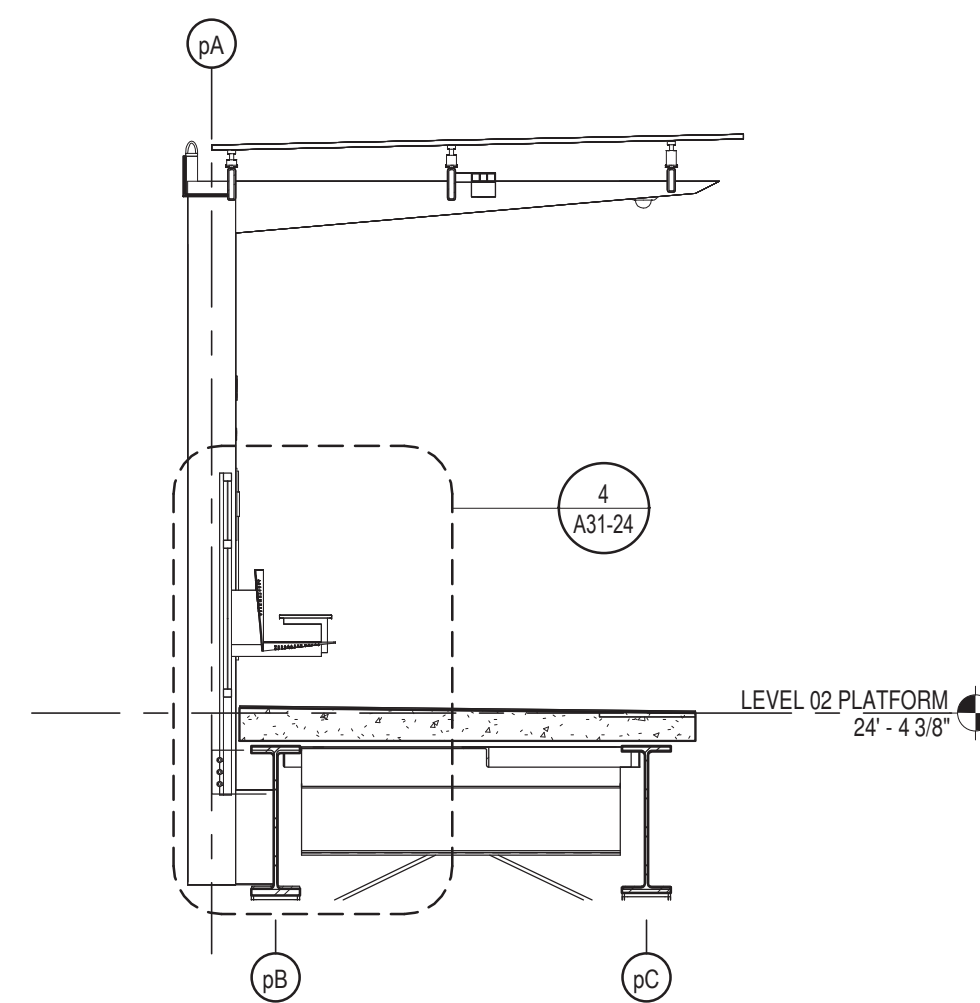
7 BENCH SEAT BACK
1 1/2" = 1'-0"

6 BENCH SEAT
1 1/2" = 1'-0"

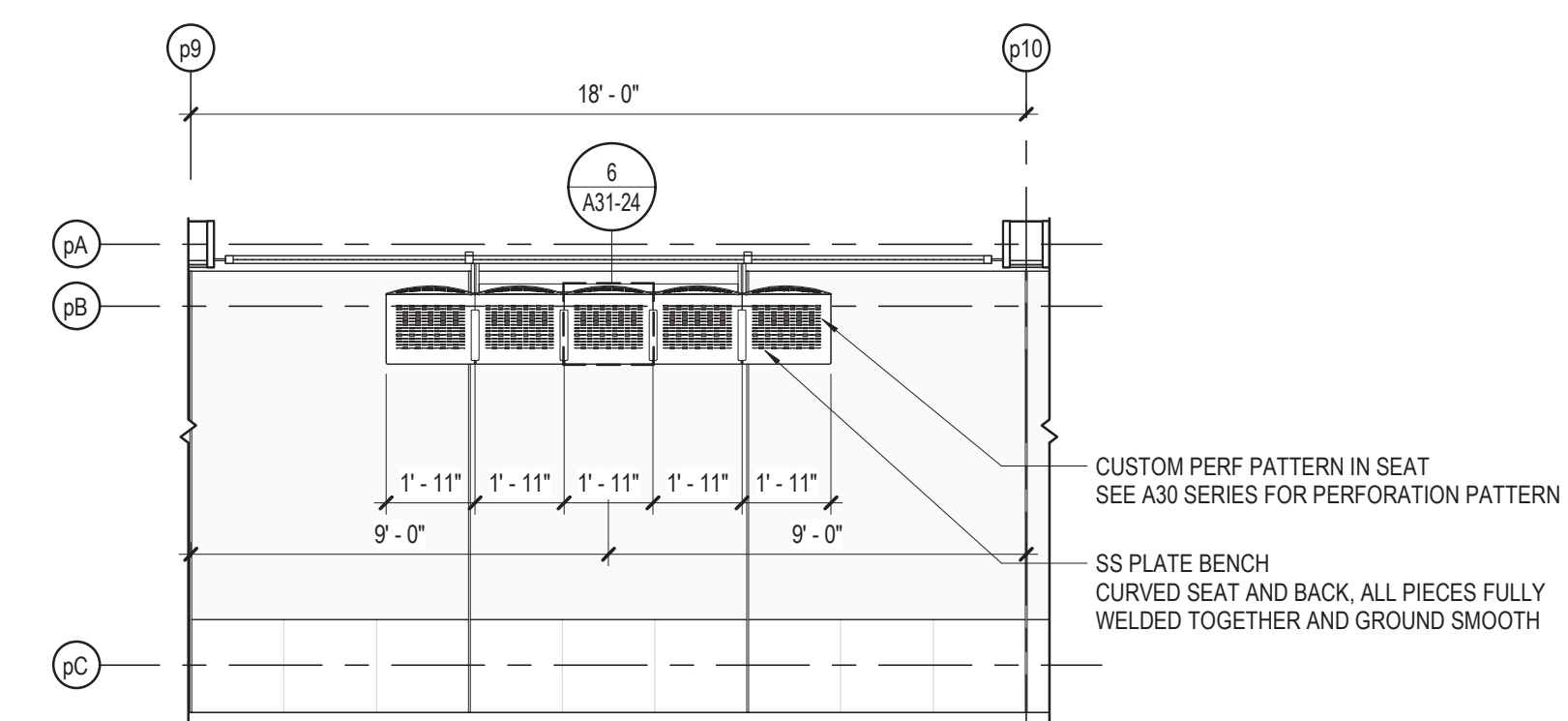
5 BENCH AXON



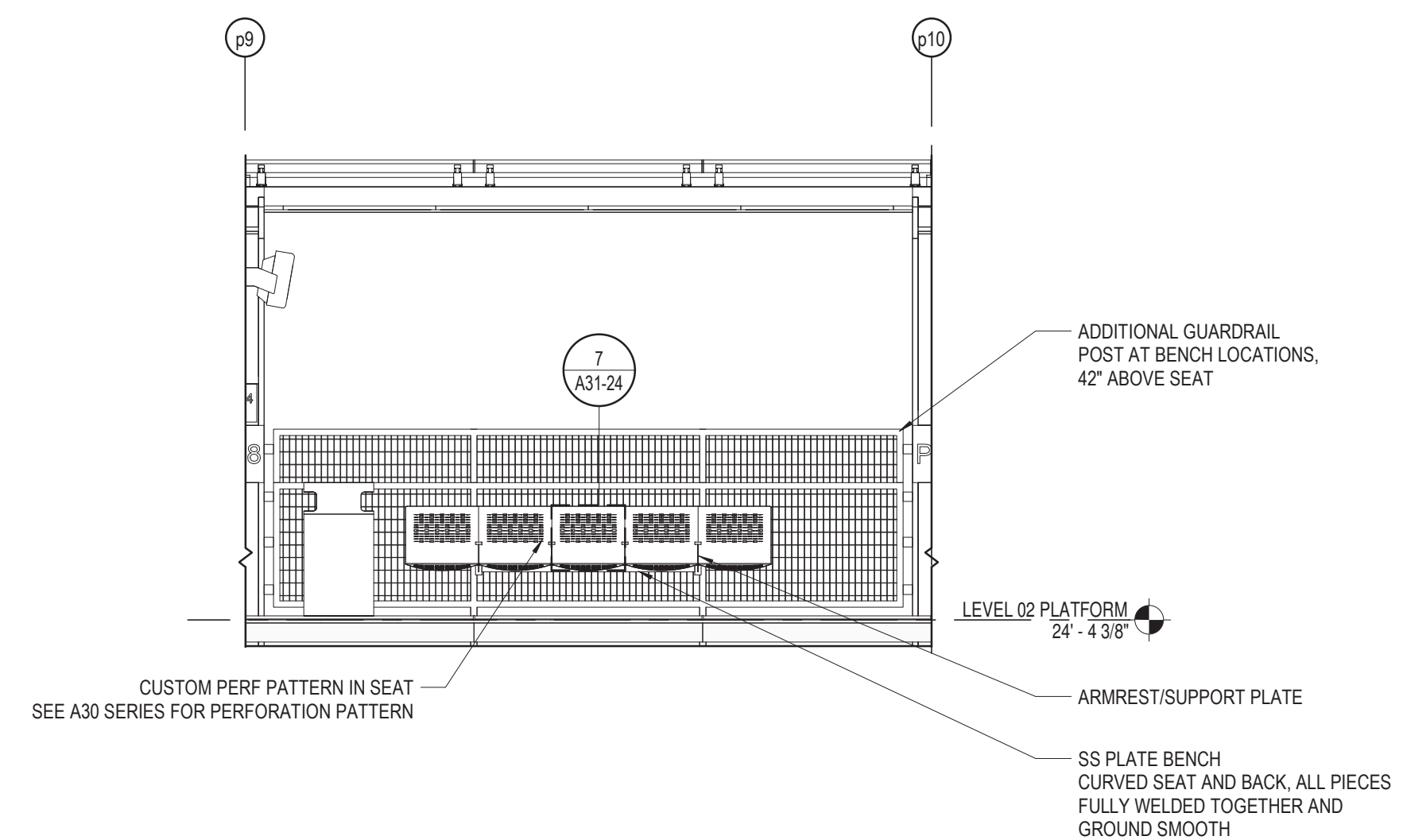
4 BENCH SECTION DETAIL
1 1/2" = 1'-0"



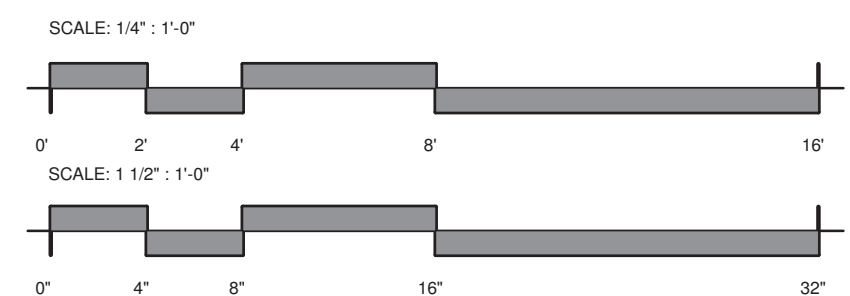
3 BENCH - SECTION
1/4" = 1'-0"



2 BENCH - PLAN
1/4" = 1'-0"



1 BENCH - ELEVATION
1/4" = 1'-0"

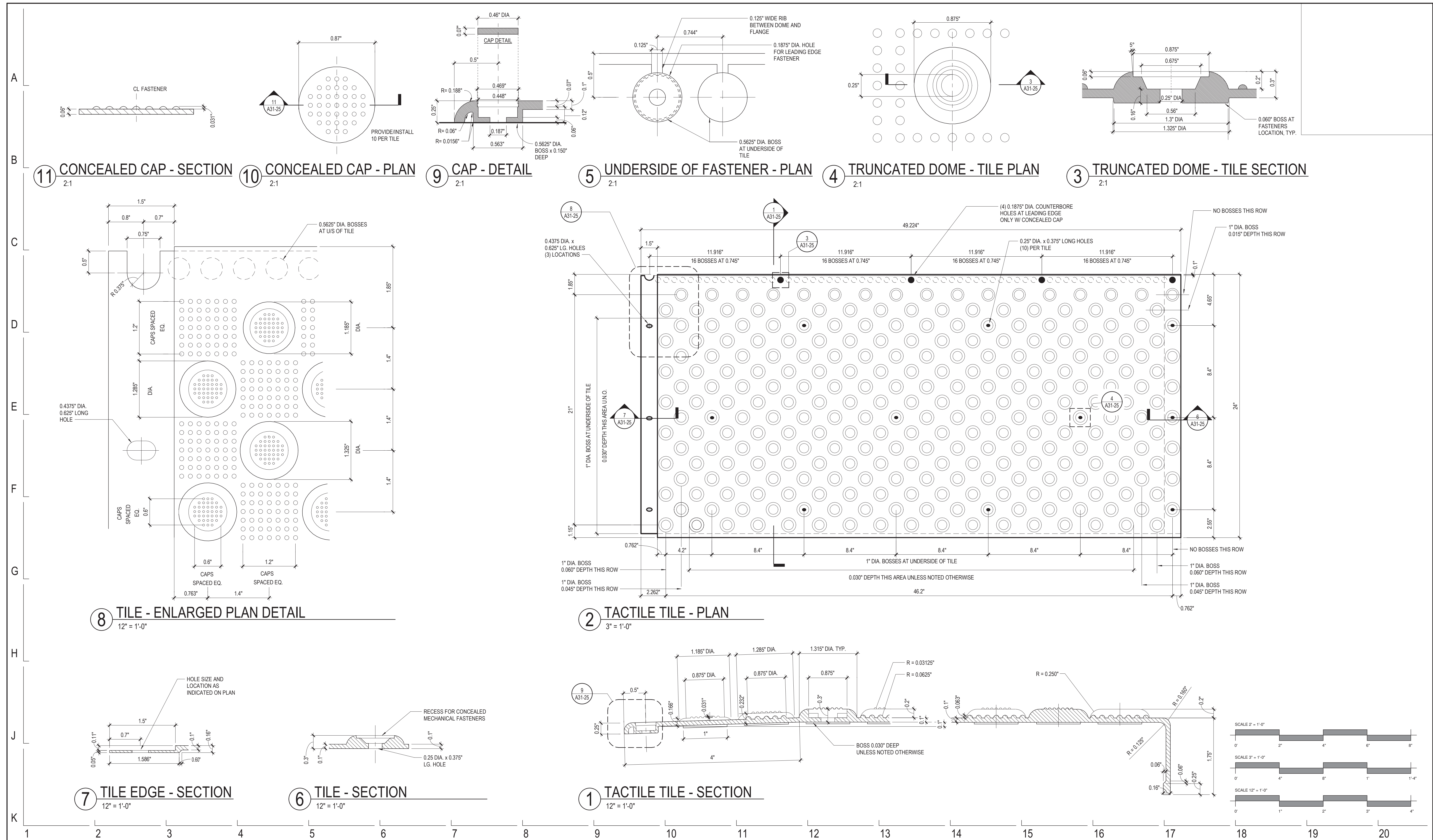


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
PLATFORM FURNITURE DETAILS - BENCH		DRAWING NO. A31-24
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



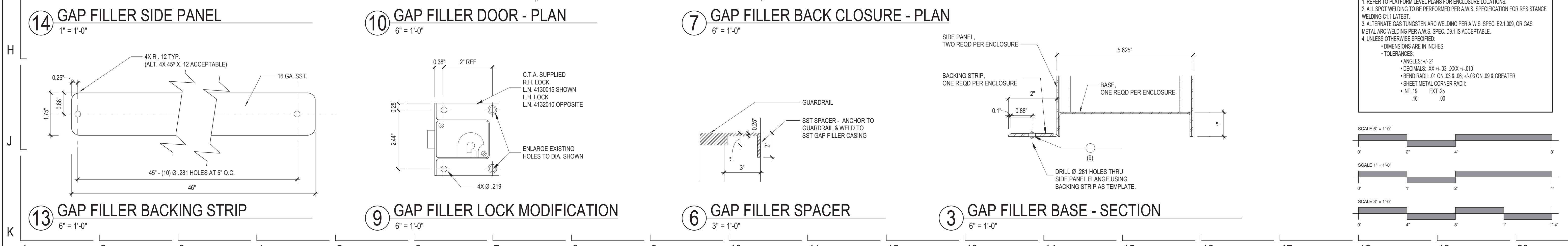
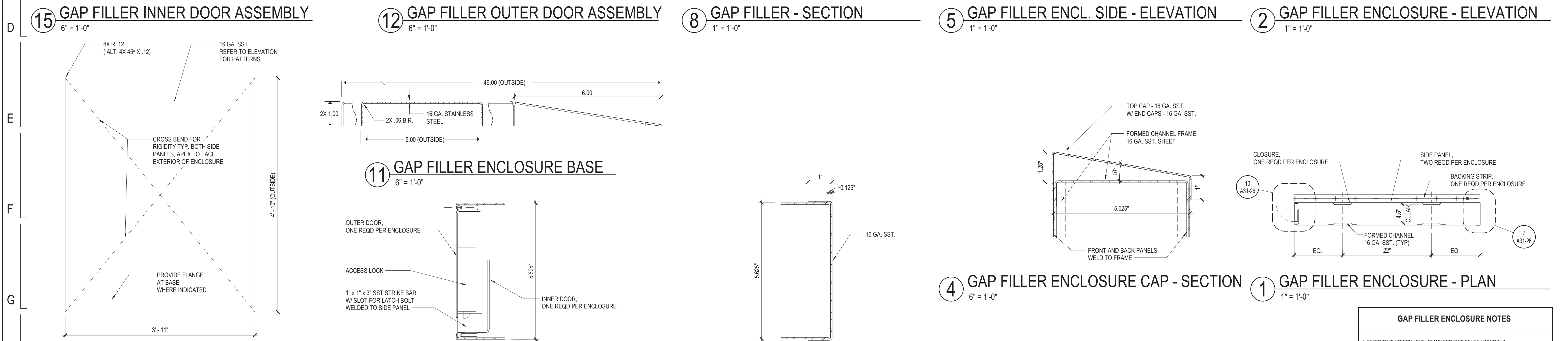
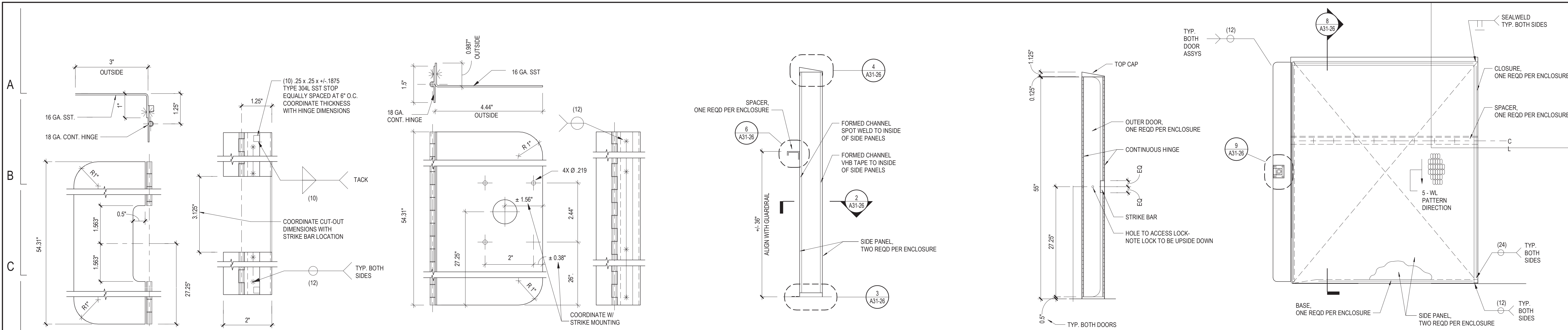
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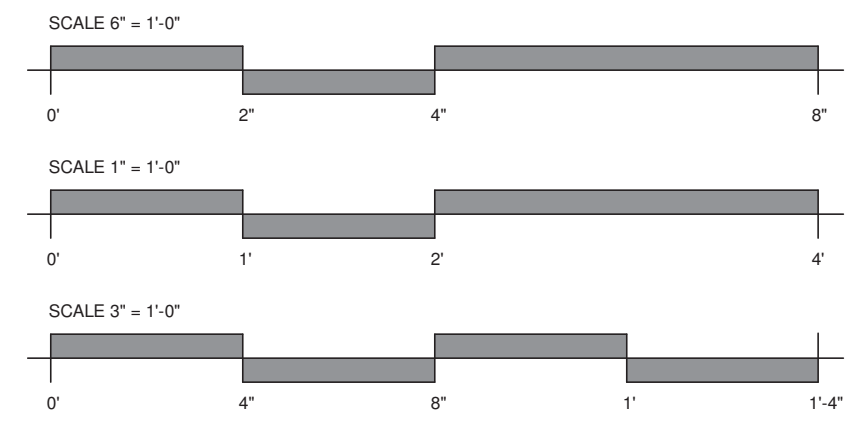
154 N DAMEN AVE - DAMEN GREEN LINE STATION
PLATFORM TACTILE PANEL DETAILS
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.	
DRAWING NO.	A31-25
REVISION NO.	



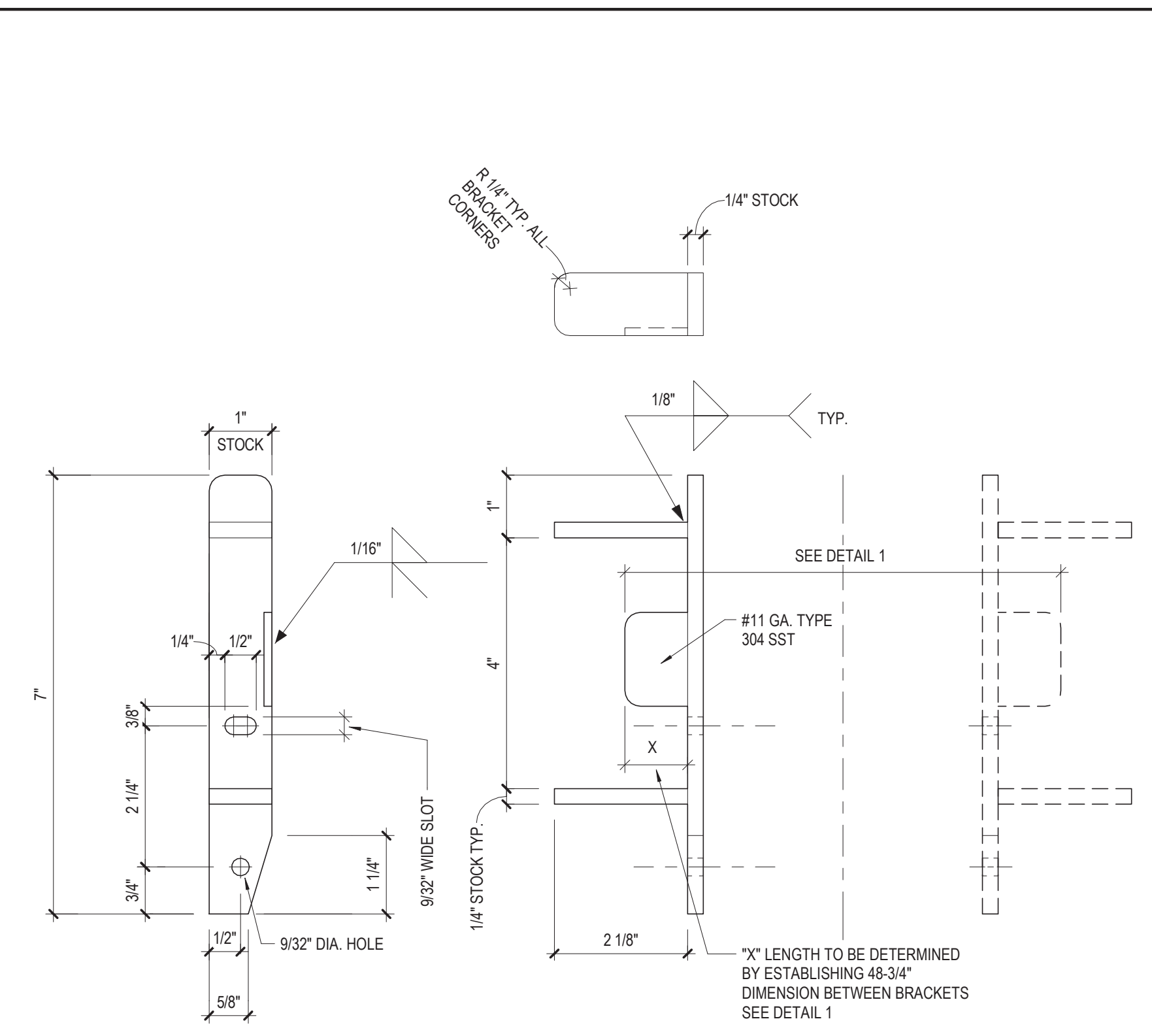
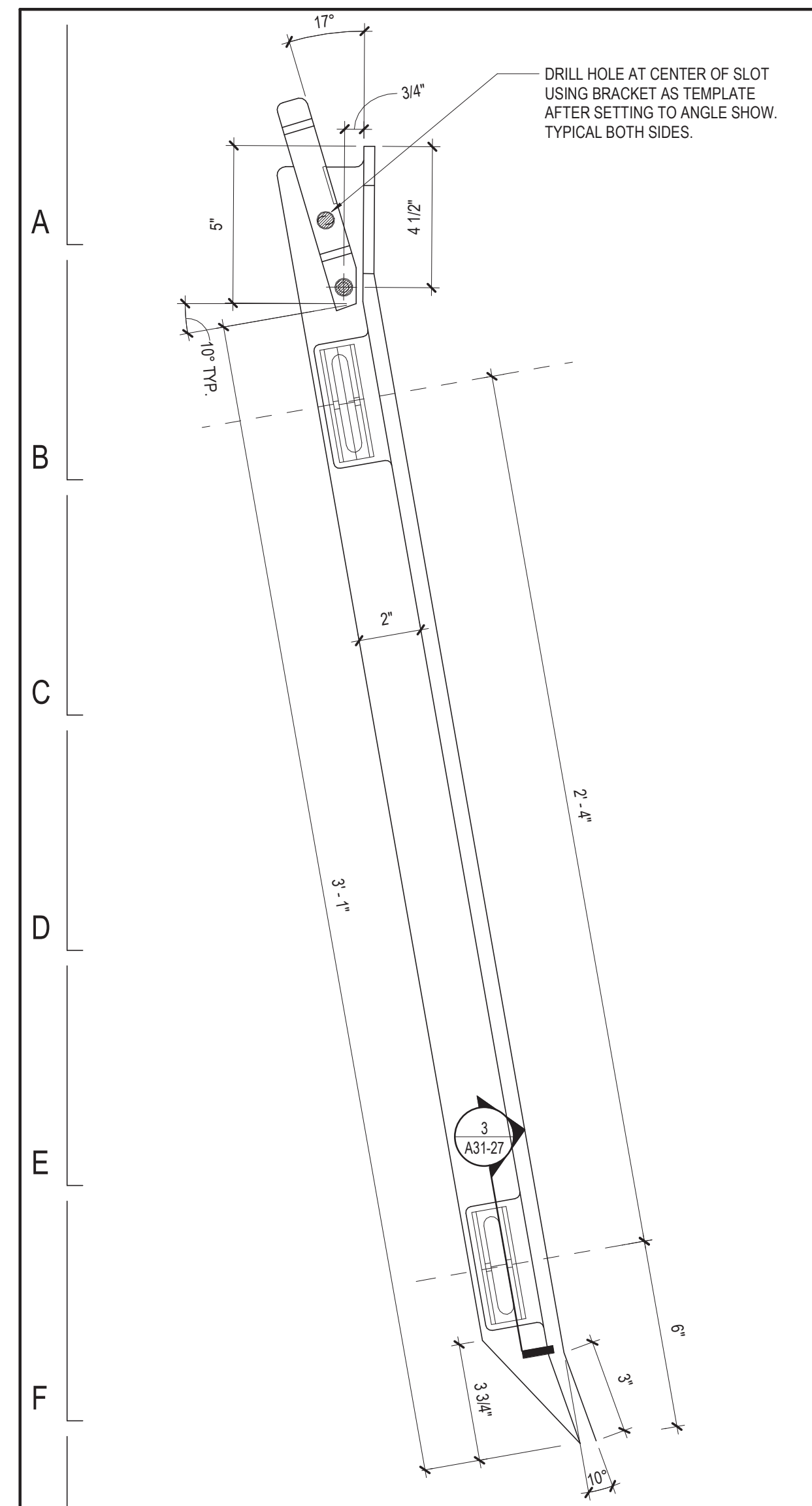
GAP FILLER ENCLOSURE NOTES

- REFER TO PLATFORM LEVEL PLANS FOR ENCLOSURE LOCATIONS.
- ALL SPOT WELDING TO BE PERFORMED PER A.W.S. SPECIFICATION FOR RESISTANCE WELDING C1.1 LATEST.
- ALTERNATE GAS TUNGSTEN ARC WELDING PER A.W.S. SPEC. B2.1.009, OR GAS METAL ARC WELDING PER A.W.S. SPEC. D9.1 IS ACCEPTABLE.
- UNLESS OTHERWISE SPECIFIED:
 - DIMENSIONS ARE IN INCHES.
 - TOLERANCES:
 - ANGLES: $\pm .2^\circ$
 - DECIMALS: .XX $\pm .03$; .XXX $\pm .010$
 - BEND RADI: .01 ON .03 & .06; $\pm .03$ ON .09 & GREATER
 - SHEET METAL CORNER RADI.
 - INT. 19 EXT. 25
 - .16 .00

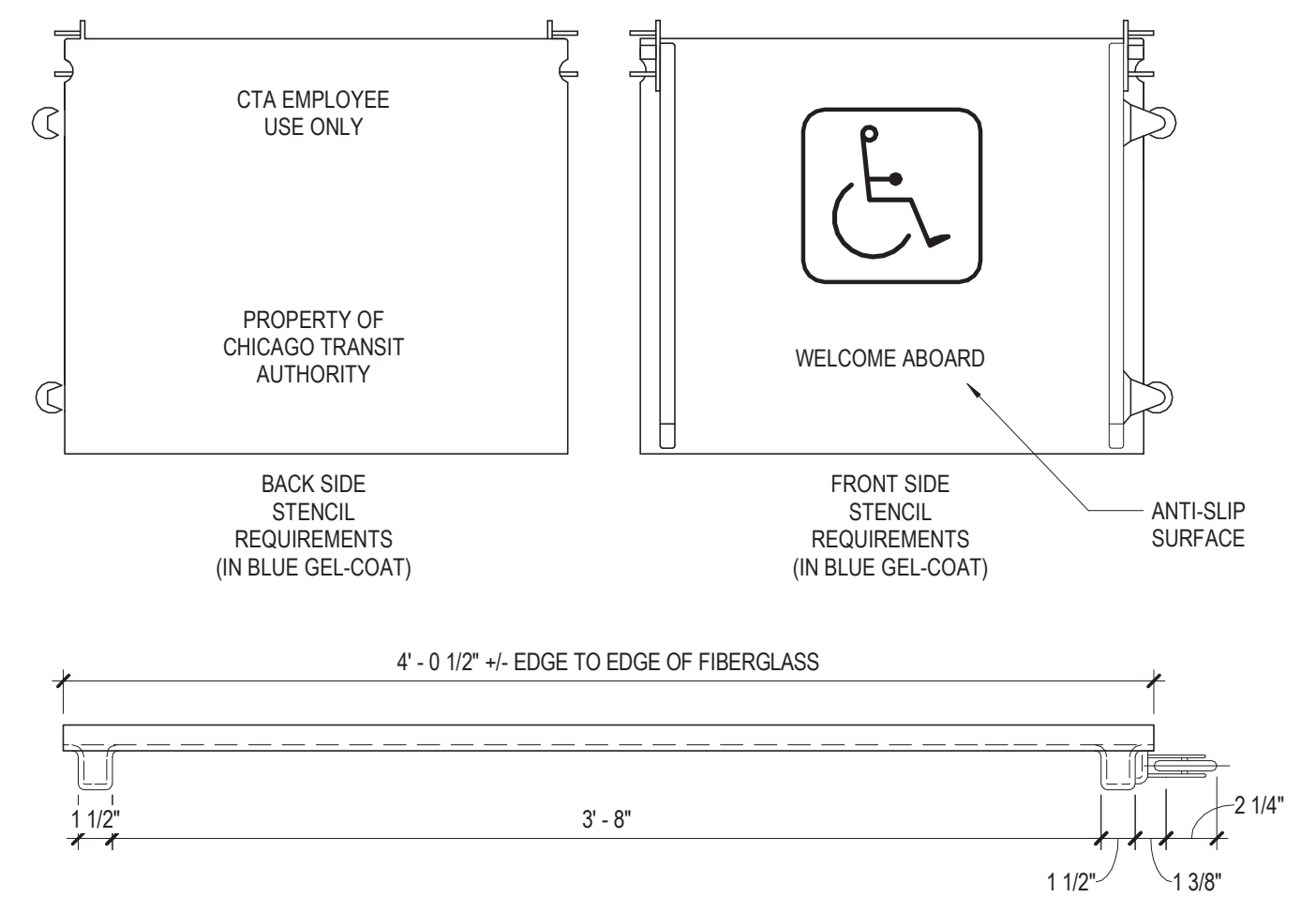


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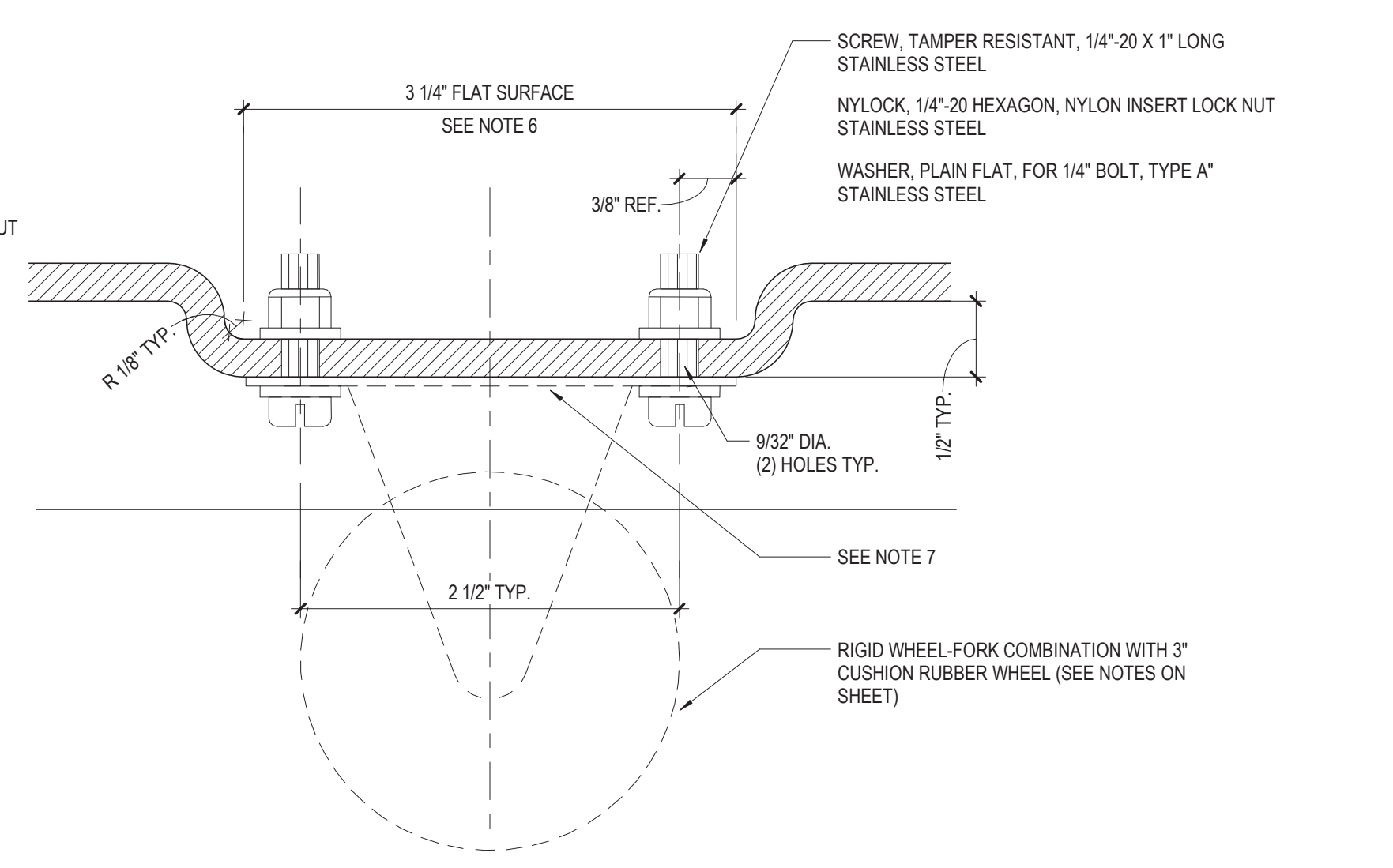
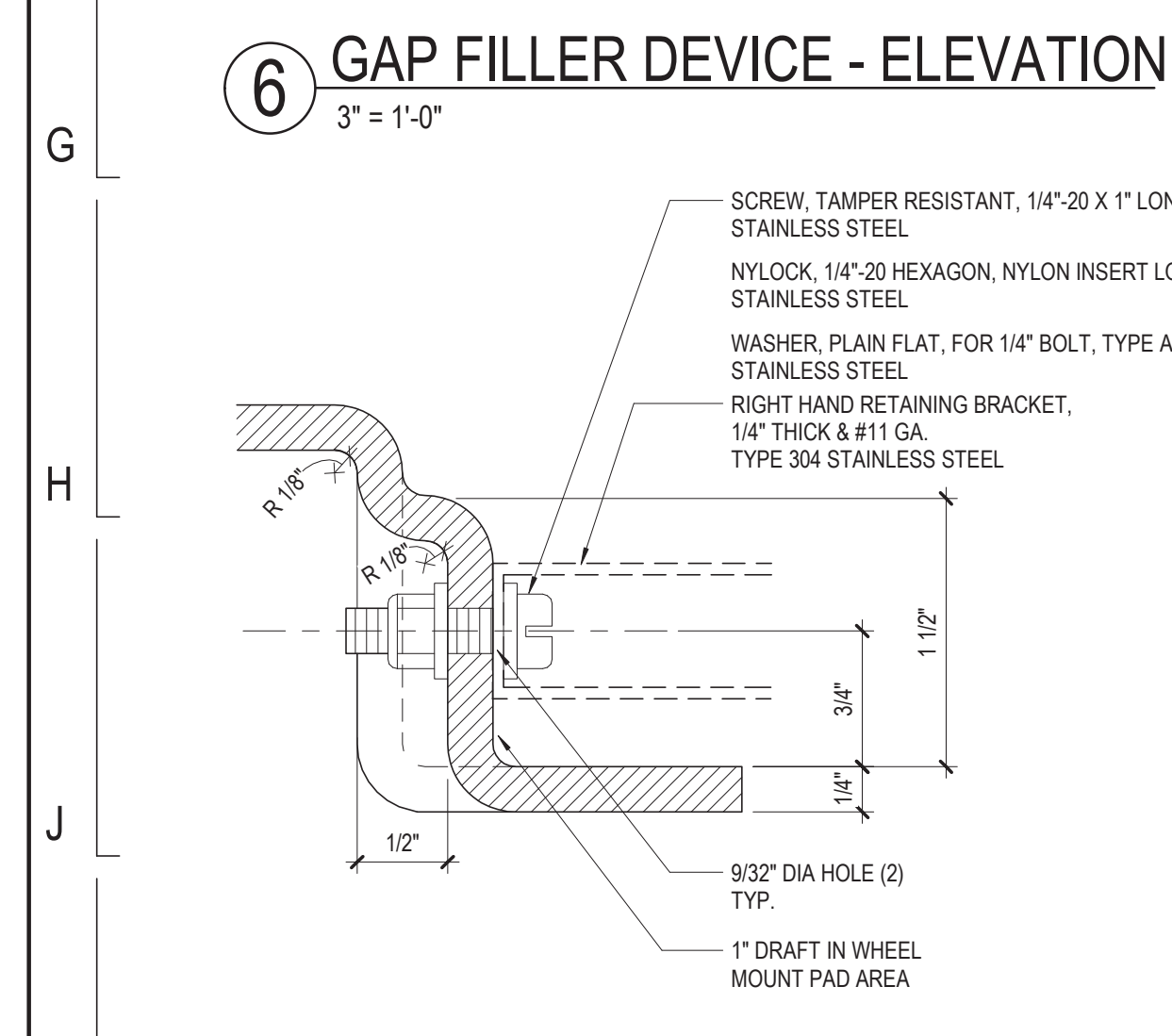
PERKINS+WILL The Wrigley Building 410 North Michigan Ave. Suite 1600 Chicago, IL 60611 1 312.755.0770 1 312.755.0775 www.perkinswill.com	 CDOT CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	154 N DAMEN AVE - DAMEN GREEN LINE STATION	SPEC. NO.
		PLATFORM FURNITURE DETAILS - GAP FILLER ENCLOSURE	DRAWING NO. A31-26
		CDOT PROJECT D-7-135	DATE: 01/27/2020



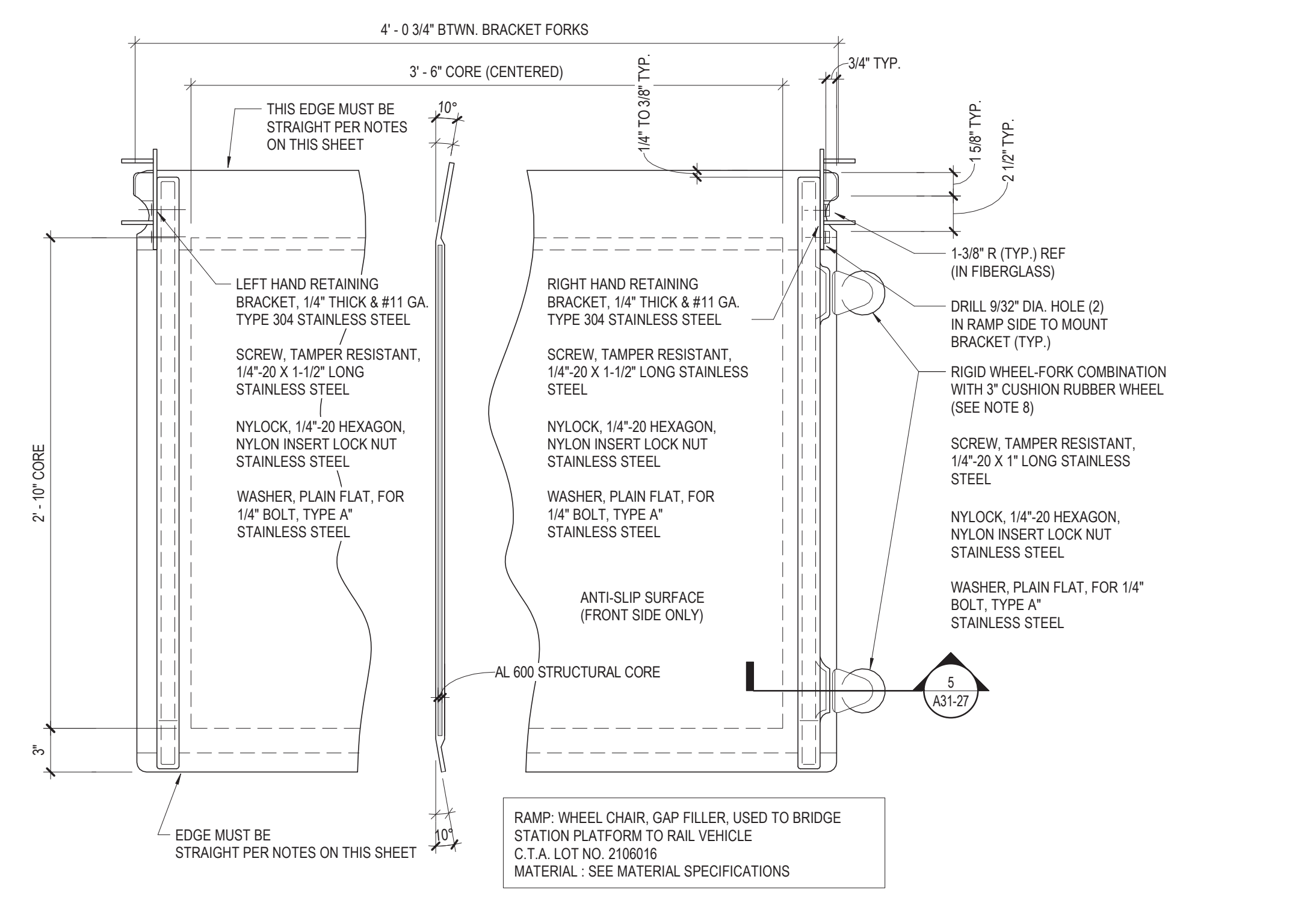
4 GAP FILLER DEVICE - RETAINING BRACKETS
6" = 1'-0"



2 GAP FILLER DEVICE - ELEVATIONS
1 1/2" = 1'-0"

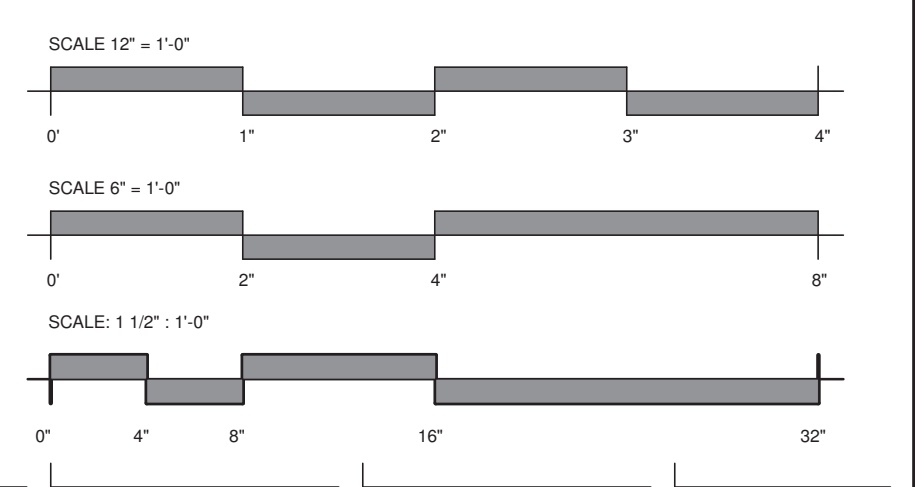


3 GAP FILLER DEVICE - SECTION
12" = 1'-0"



1 GAP FILLER DEVICE - PLANS
1 1/2" = 1'-0"

GAP FILLER NOTES		
1. FIBERGLASS REINFORCED PLASTIC SPECIFICATIONS: • FRP LAMINATE SKINS TO BE FABRICATED FROM CLASS 1 FIRE RETARDANT VINYLESTER RESIN AND M8810 CONTINUOUS FIBREGLASS MAT.		
2. DESIGN SPECIFICATIONS: • FEDERAL REGISTER VOL. 56 NO. 173.45766 CAR RAMP OR BRIDGE PLATE. • EXTERIOR COATING TO BE ISOPHTHALIC POLYESTER GEL-COAT WITH UV-9, SAFETY YELLOW COLOR. • ASSEMBLED RAMP NOT TO EXCEED 40 lbs. • FRP USING THE CLASS 1 FIRE RETARDANT VINYLESTER RESIN MUST MEET THE FOLLOWING FLAMMABILITY AND FLAME SPREAD CHARACTERISTICS:		
PROPERTY	TEST METHOD	TEST VALUE
FLAMMABILITY	ASTM E162 (RADIANT PANEL TEST) (ADDITIONAL PROVISION IS THAT THERE SHALL BE NO FLAMING DRIPPINGS)	IS - 35 MAX
FLAME SPREAD	ASTM E84 (TUNNEL TEST)	FSI - 25 MAX
3. REMOVE ALL BURRS, WELD SPATTER & SHARP EDGES FROM ALL STEEL PARTS. 4. ALL WELDS TO COMPLY WITH LATEST A.W.S. STANDARDS FOR STAINLESS WELDING. 5. 3" DRAFT ANGLE PERMISSIBLE FOR MOLD REMOVAL EXCEPT WHERE NOTED. 6. WASHERS MUST SIT FLUSH ON INNER SURFACE. 7. WHEEL MOUNTING SURFACE MUST BE FLAT AND LEVEL. 8. COLSON SERIES 1 WHEEL FORK COMBO CATALOG NO. 1-2210-1-3-43 AVAILABLE FROM: INDUSTRIAL WHEEL & TOOL CO. 6912 W. ROOSEVELT ROAD OAK PARK, IL 60304 (708) 848 9340		
9. WHEN PLACED ON FLAT SURFACE, MAX. 1/8" GAP (BOWING) PERMISSIBLE EITHER END OF LAMINATE. 10. ALL LAMINATED SURFACES MUST BE SMOOTH AND ABRASION FREE, CAUSING NO INJURY TO UNPROTECTED HANDS OR PERSONNEL'S CLOTHING.		



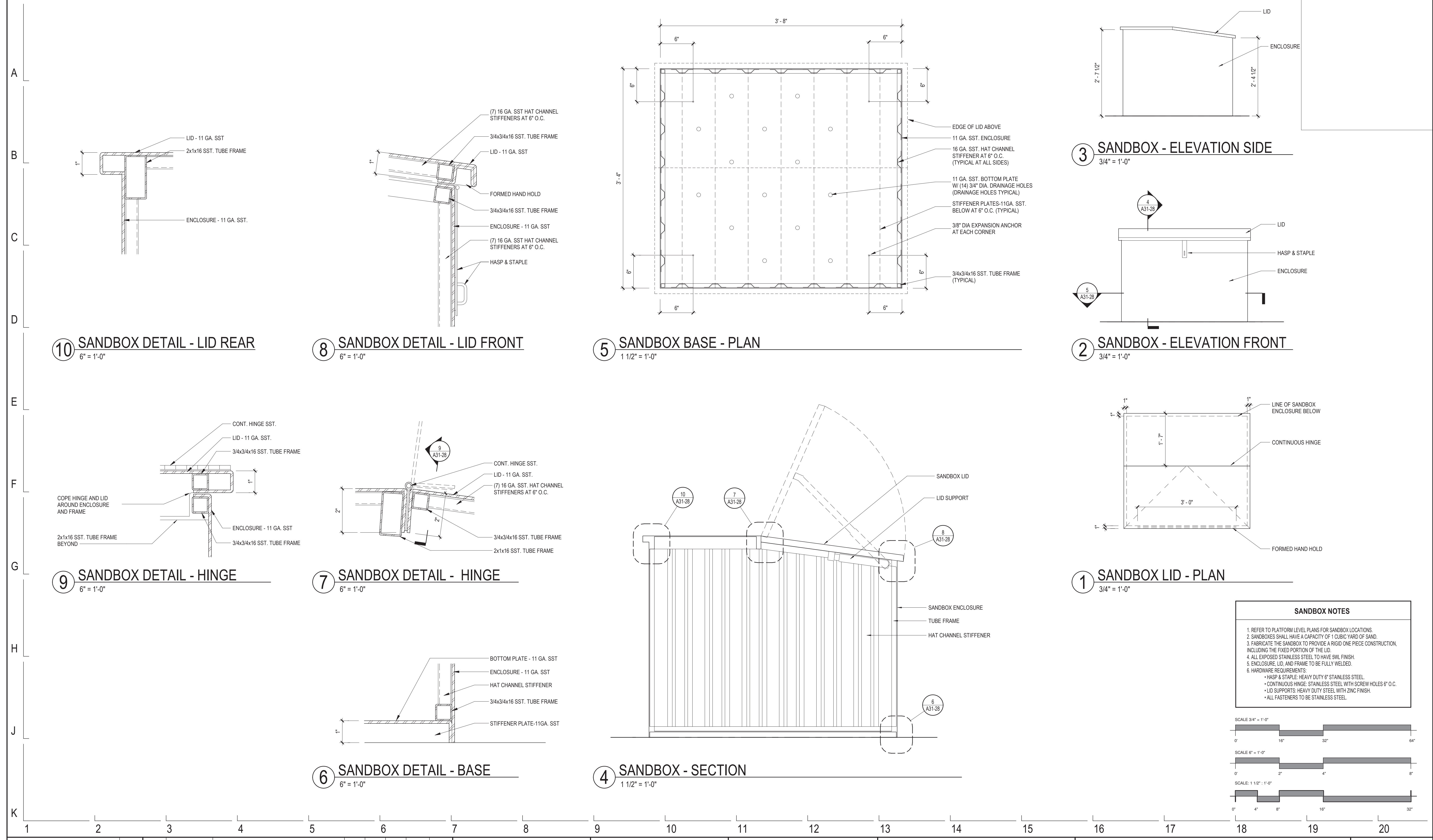
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
PLATFORM FURNITURE DETAILS - GAP FILLER DEVICE		DRAWING NO. A31-27
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



10 SANDBOX DETAIL - LID REAR
6" = 1'-0"

8 SANDBOX DETAIL - LID FRONT
6" = 1'-0"

5 SANDBOX BASE - PLAN
1 1/2" = 1'-0"

3 SANDBOX - ELEVATION SIDE
3/4" = 1'-0"

2 SANDBOX - ELEVATION FRONT
3/4" = 1'-0"

9 SANDBOX DETAIL - HINGE
6" = 1'-0"

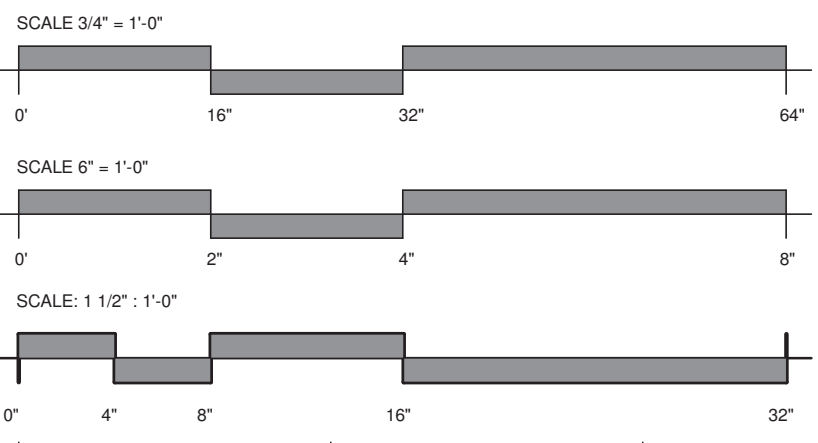
7 SANDBOX DETAIL - HINGE
6" = 1'-0"

1 SANDBOX LID - PLAN
3/4" = 1'-0"

6 SANDBOX DETAIL - BASE
6" = 1'-0"

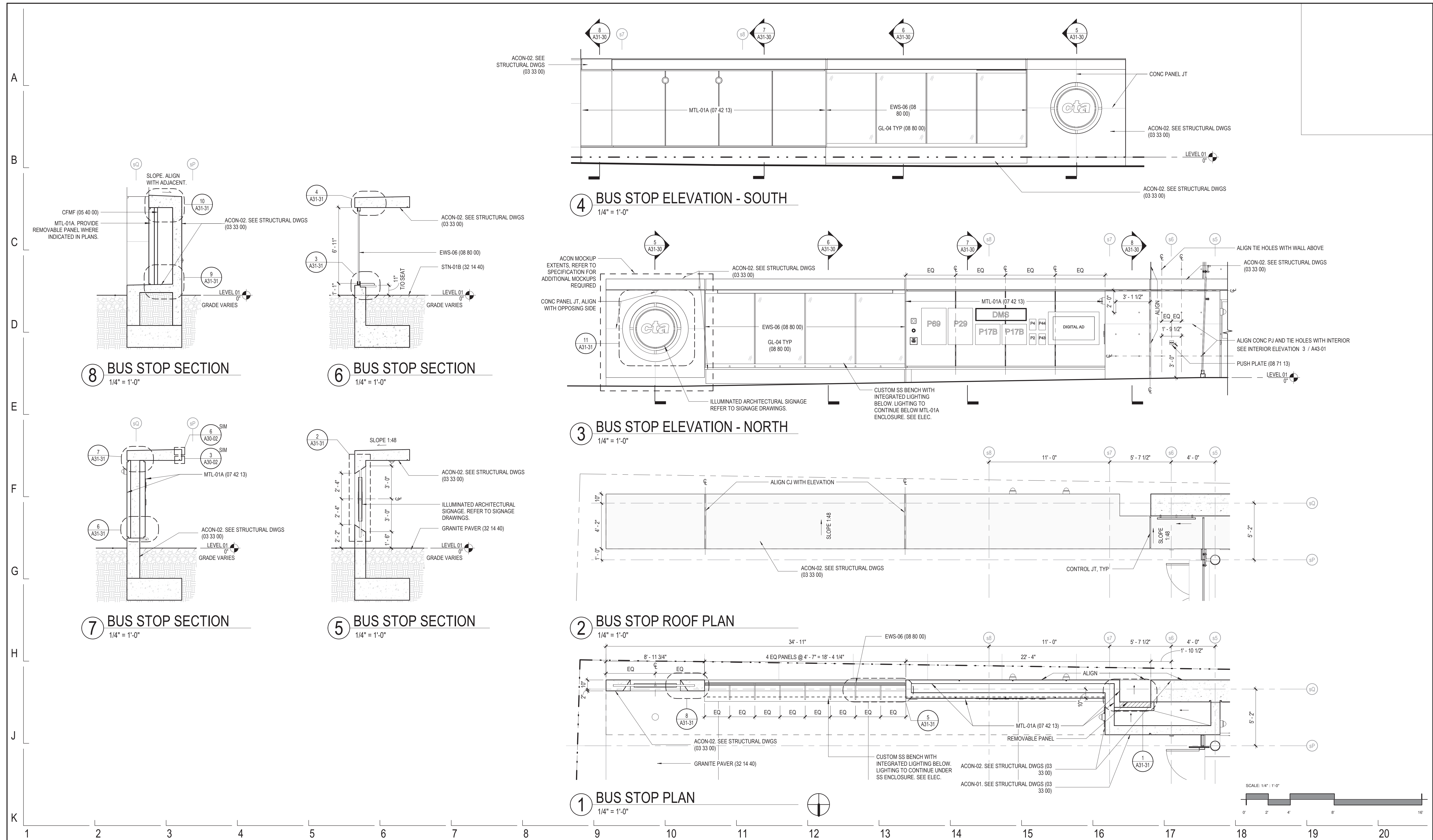
4 SANDBOX - SECTION
1 1/2" = 1'-0"

- SANDBOX NOTES**
- REFER TO PLATFORM LEVEL PLANS FOR SANDBOX LOCATIONS.
 - SANDBOXES SHALL HAVE A CAPACITY OF 1 CUBIC YARD OF SAND.
 - FABRICATE THE SANDBOX TO PROVIDE A RIGID ONE PIECE CONSTRUCTION, INCLUDING THE FIXED PORTION OF THE LID.
 - ALL EXPOSED STAINLESS STEEL TO HAVE SWL FINISH.
 - ENCLOSURE, LID, AND FRAME TO BE FULLY WELDED.
 - HARDWARE REQUIREMENTS:
 - HASP & STAPLE: HEAVY DUTY 6" STAINLESS STEEL.
 - CONTINUOUS HINGE: STAINLESS STEEL WITH SCREW HOLES 6" O.C.
 - LID SUPPORTS: HEAVY DUTY STEEL WITH ZINC FINISH.
 - ALL FASTENERS TO BE STAINLESS STEEL.



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		PLATFORM FURNITURE DETAILS - SANDBOX		DRAWING NO. A31-28
		CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



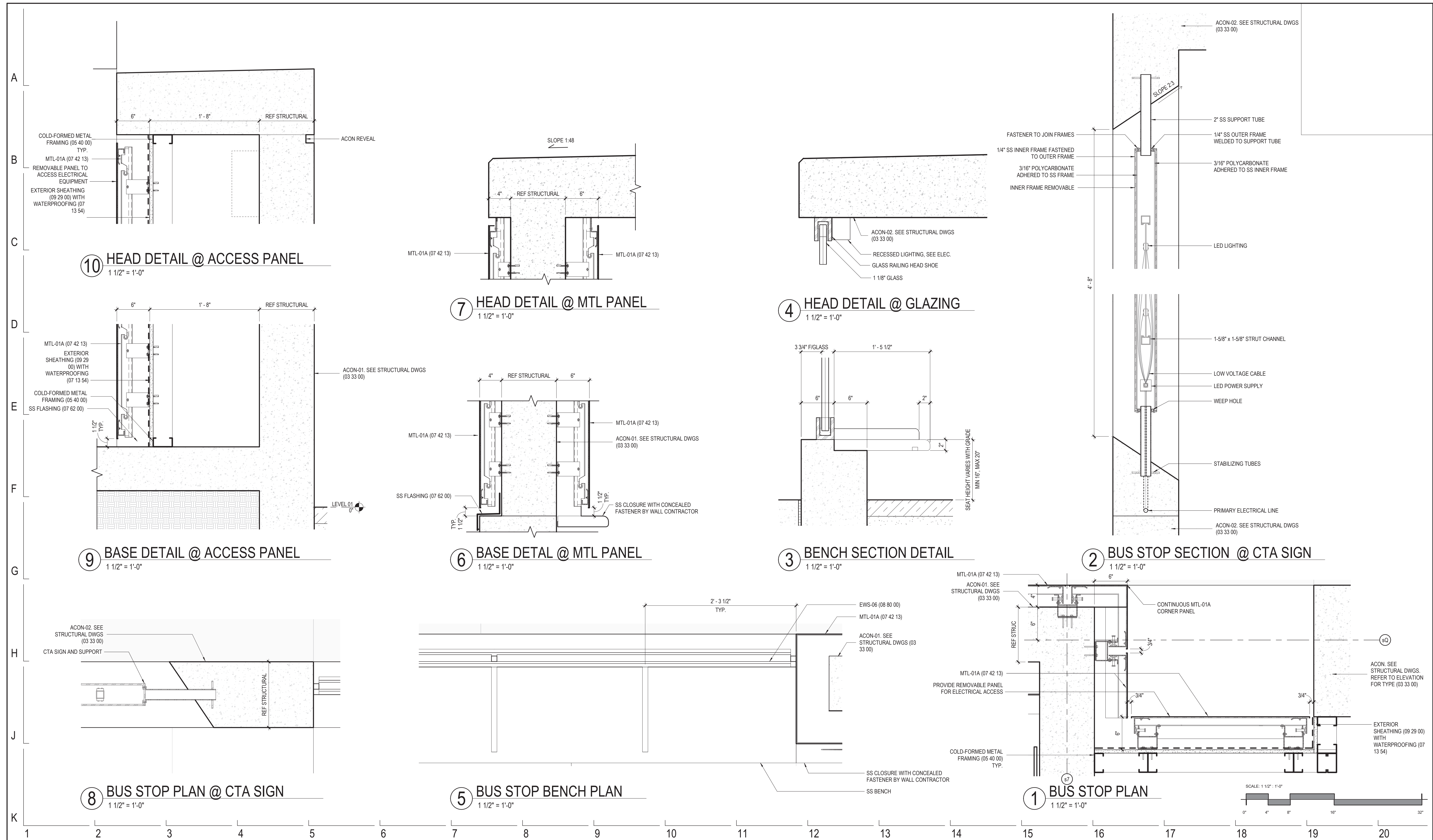
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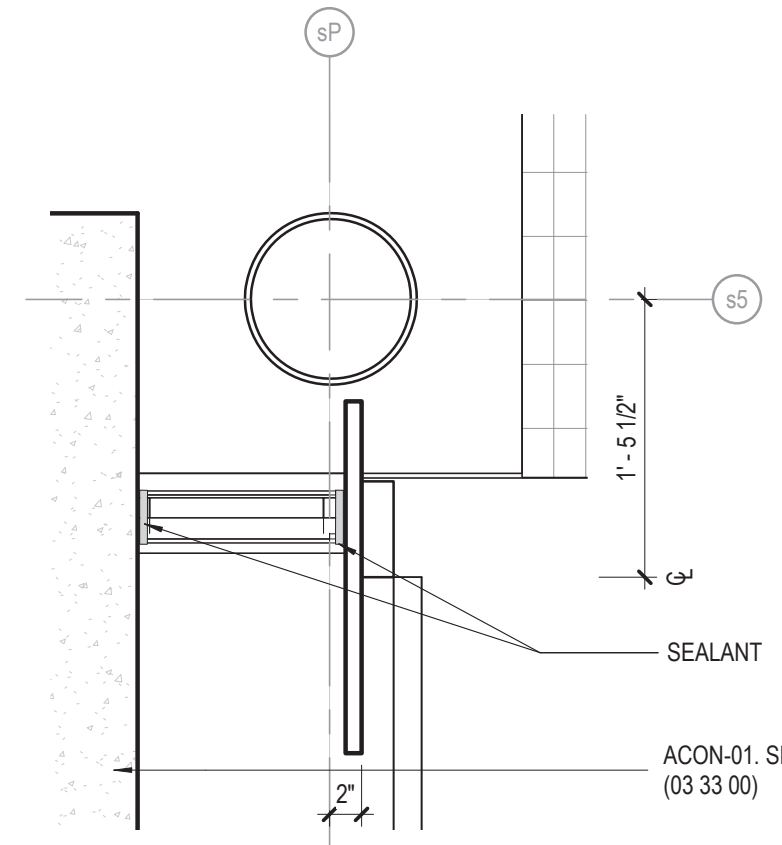
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
ENLARGED BUS STOP SYSTEMS
 CDOT PROJECT D-7-135 DATE: 01/27/2020

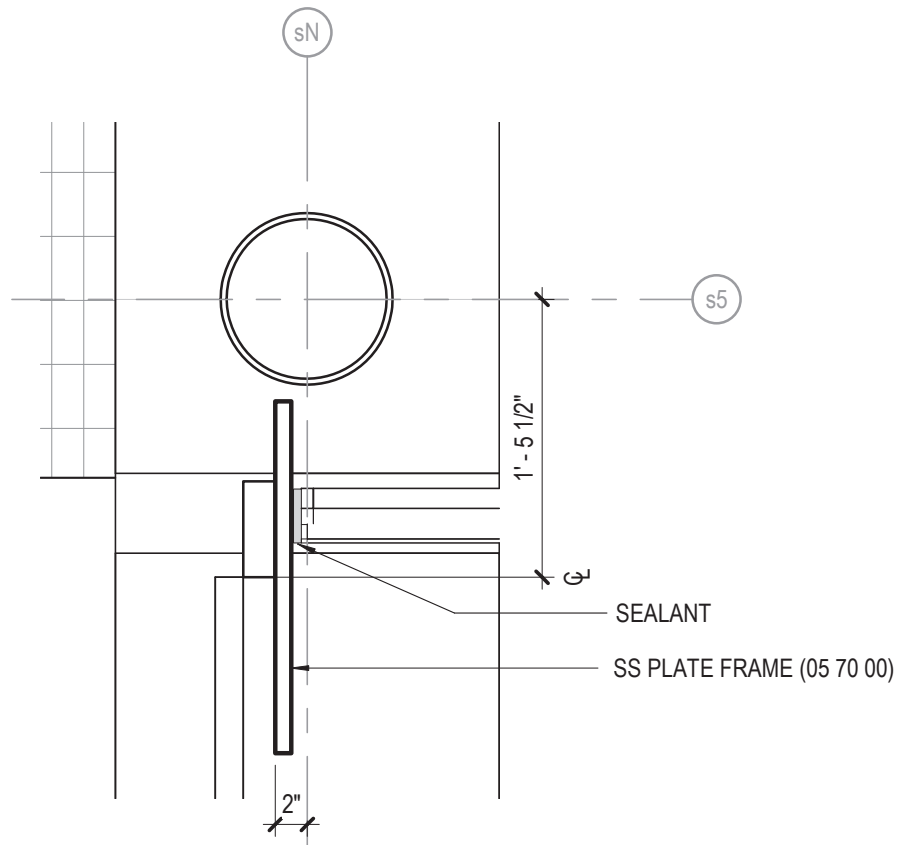
SPEC. NO.
 DRAWING NO.
A31-30
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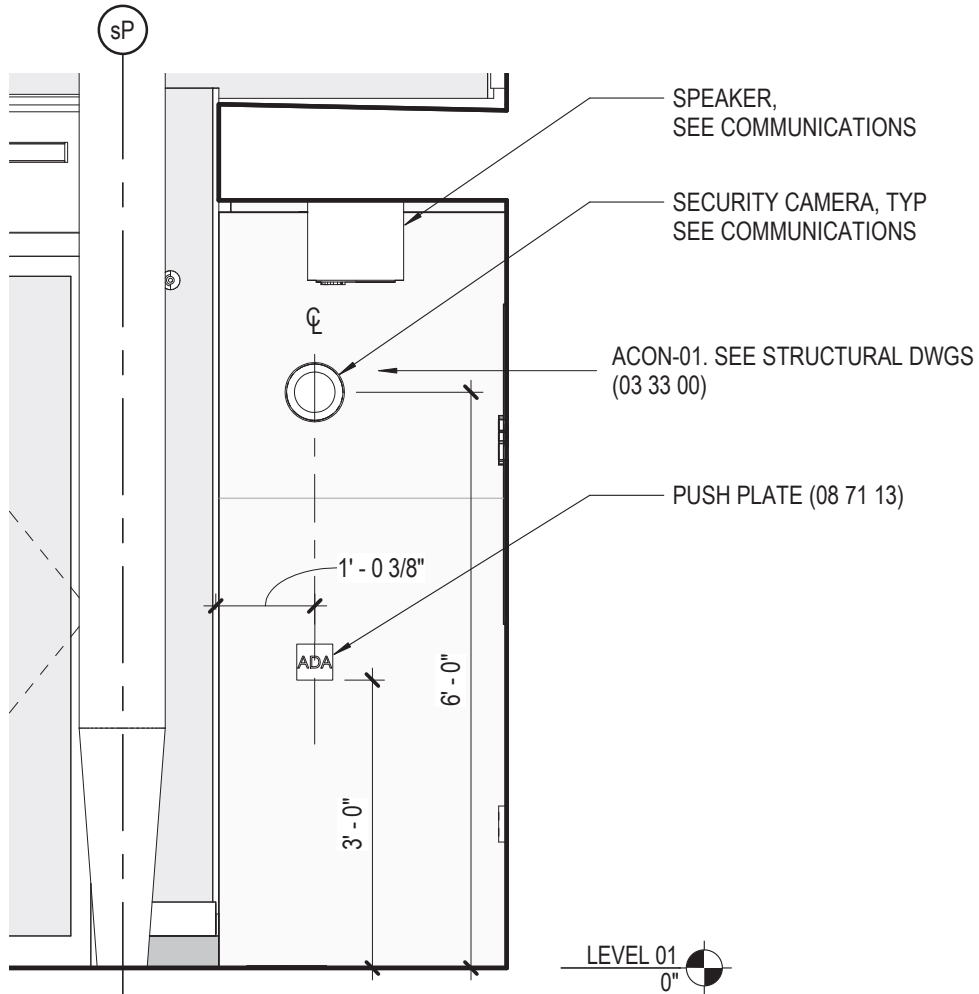
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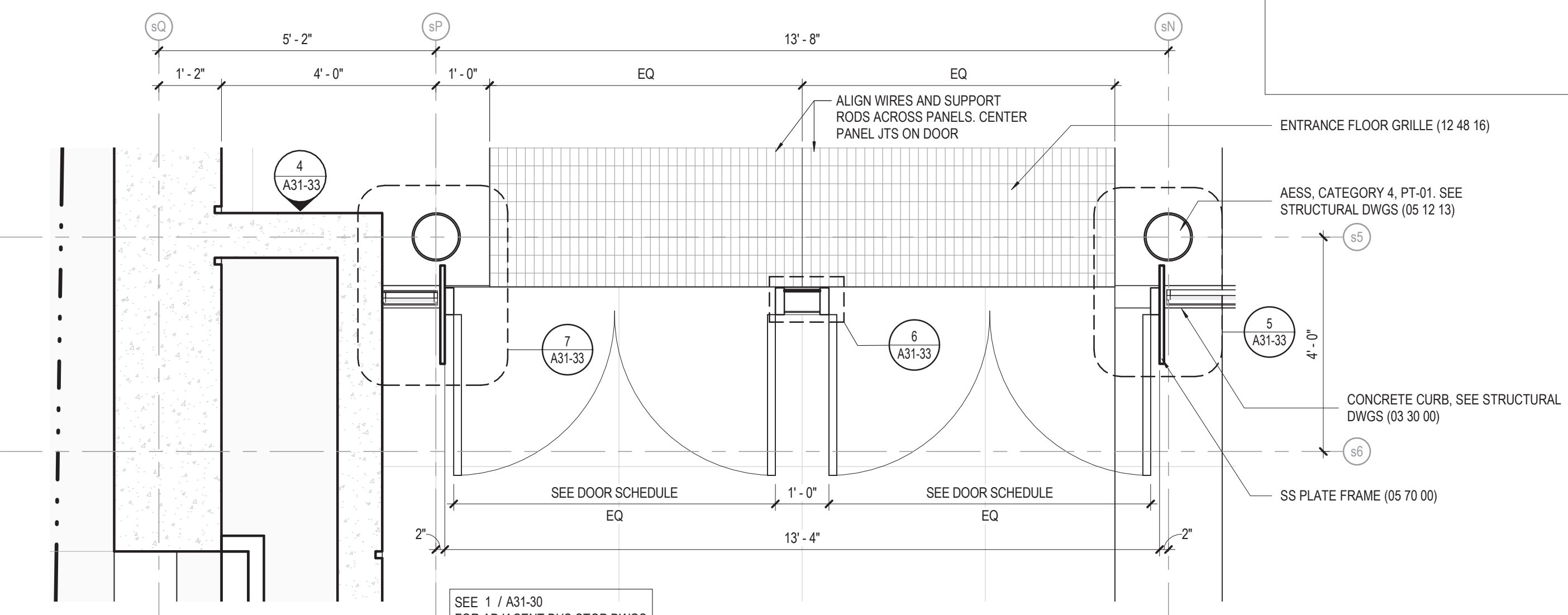
7 ENTRY JAMB DETAIL
1" = 1'-0"



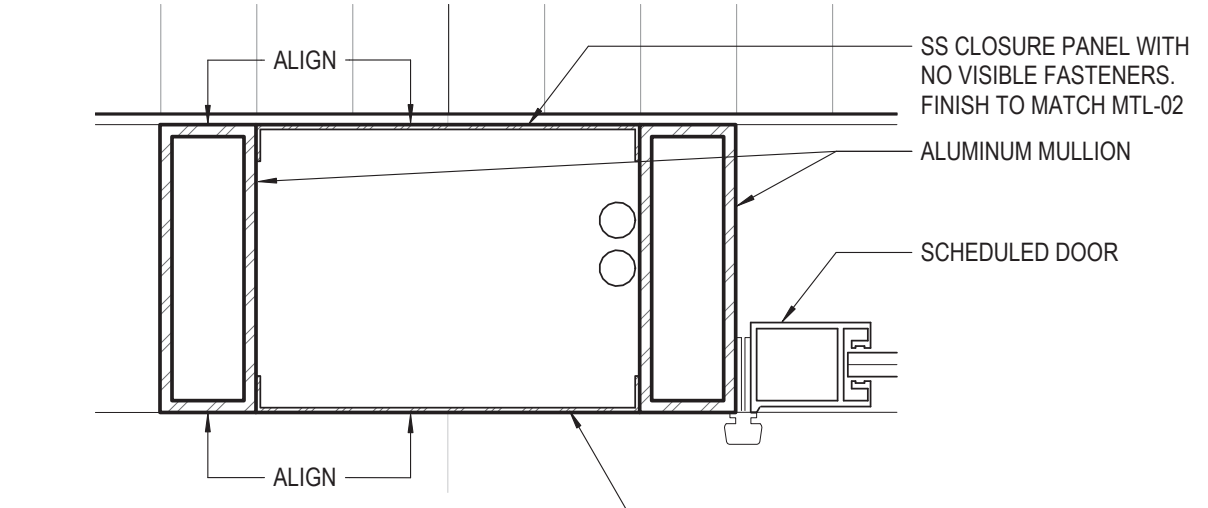
5 ENTRY JAMB DETAIL
1" = 1'-0"



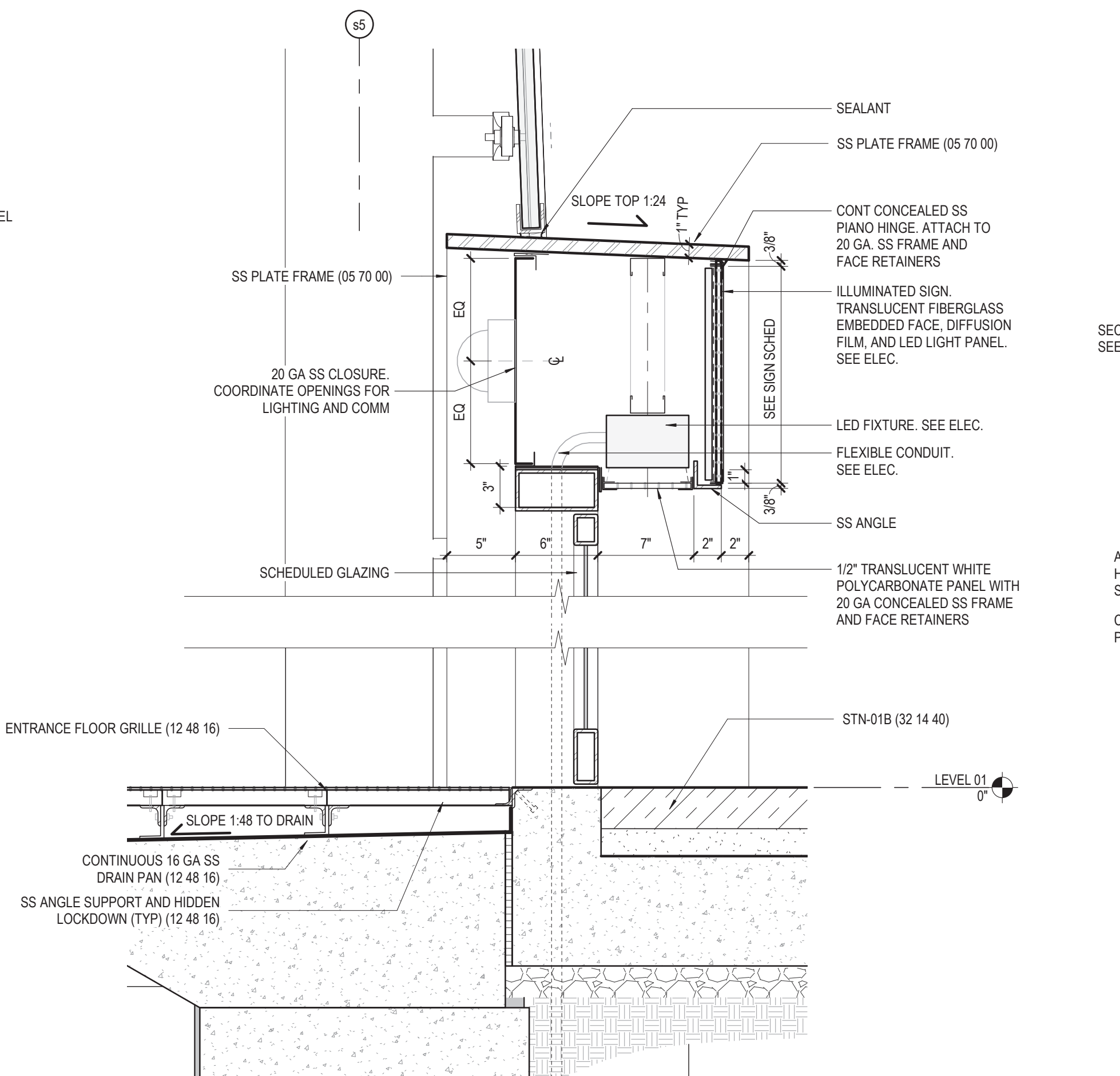
4 ADA PUSH PLATE
1/2" = 1'-0"



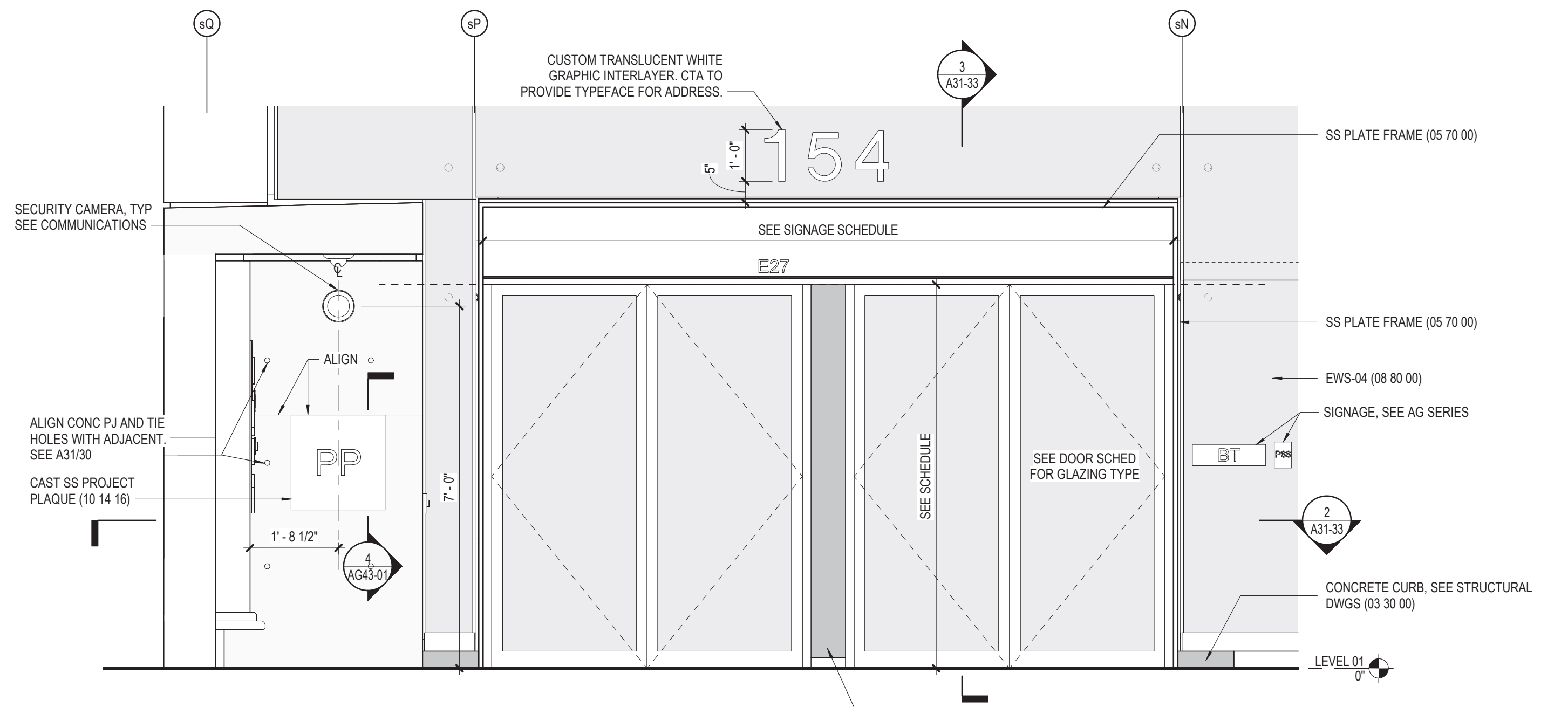
2 ENLARGED ENTRY PLAN
1/2" = 1'-0"



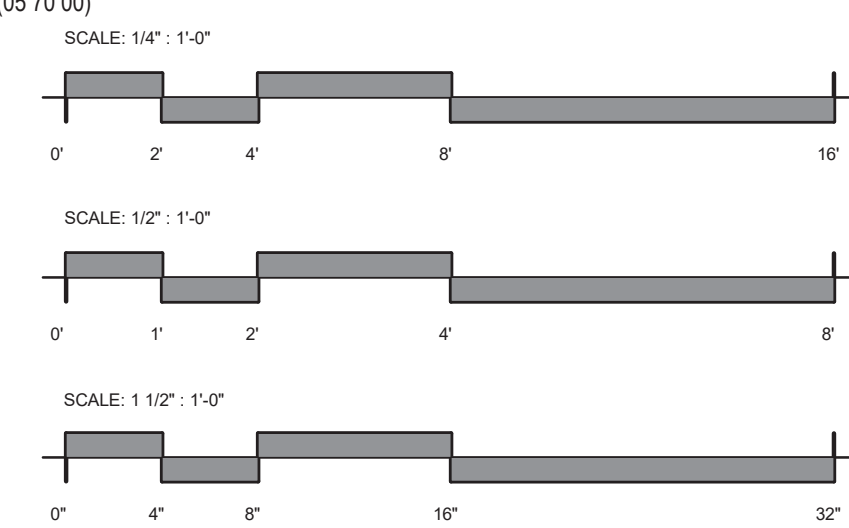
6 ENTRY JAMB DETAIL
3" = 1'-0"



3 SECTION DETAIL AT ENTRY
1 1/2" = 1'-0"



1 STATION ENTRY - EAST
1/2" = 1'-0"



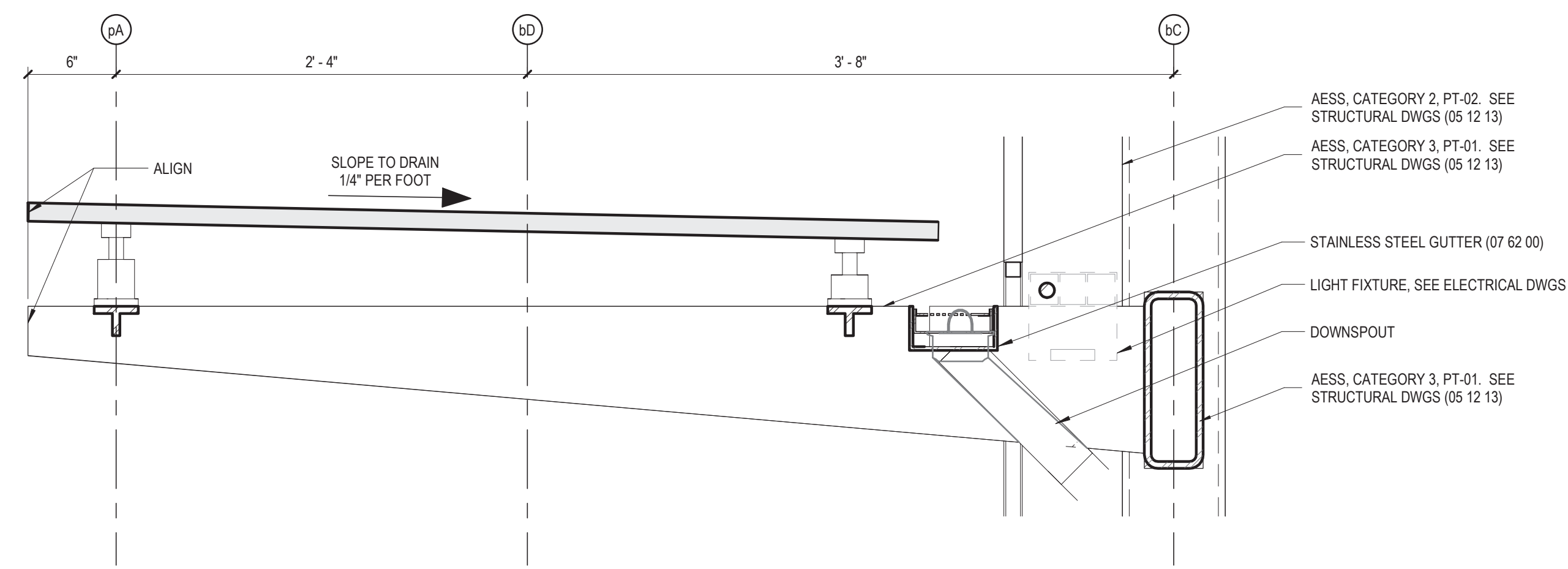
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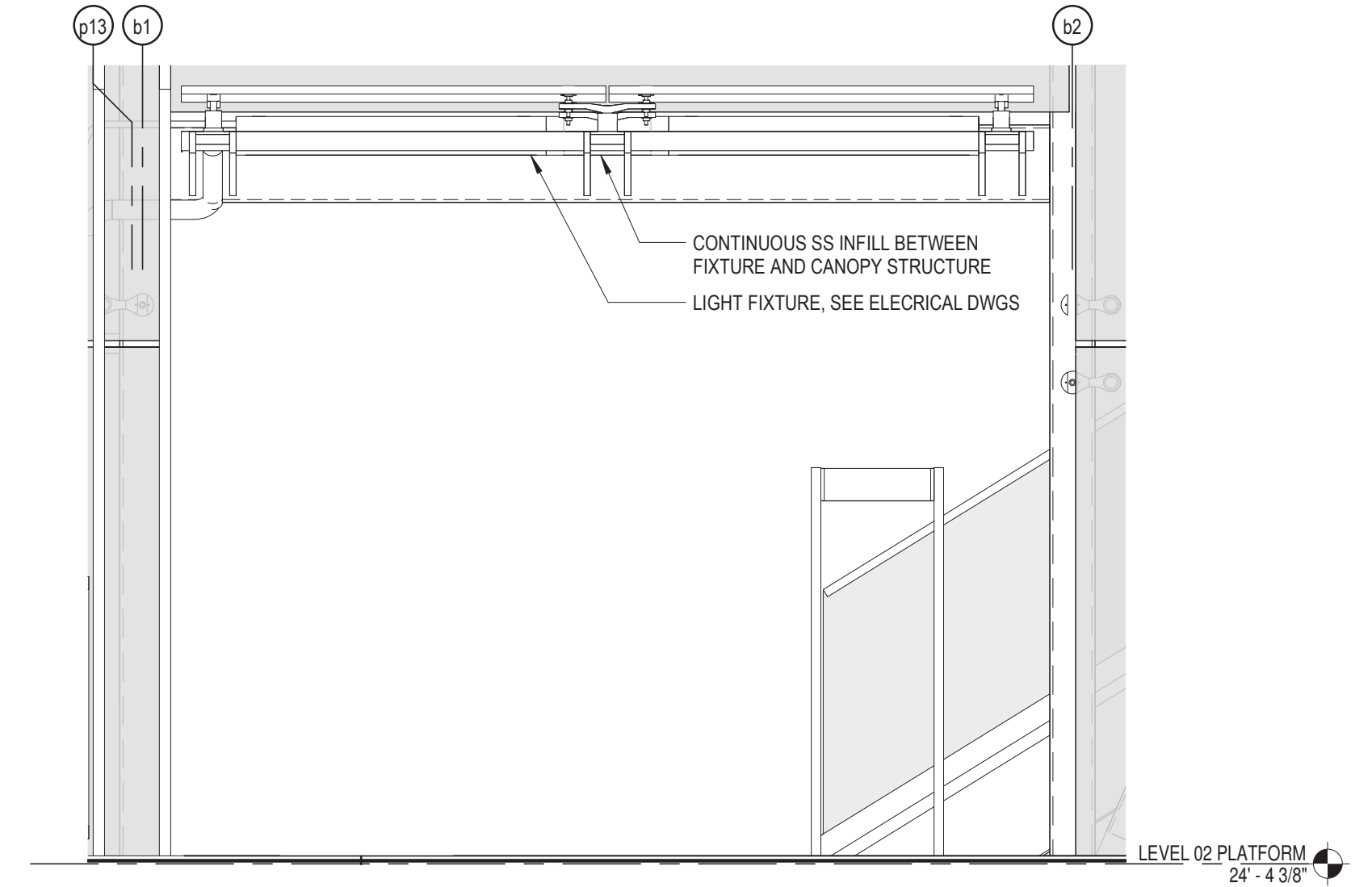
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
STATION ENTRY DETAILS		DRAWING NO. A31-33
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.

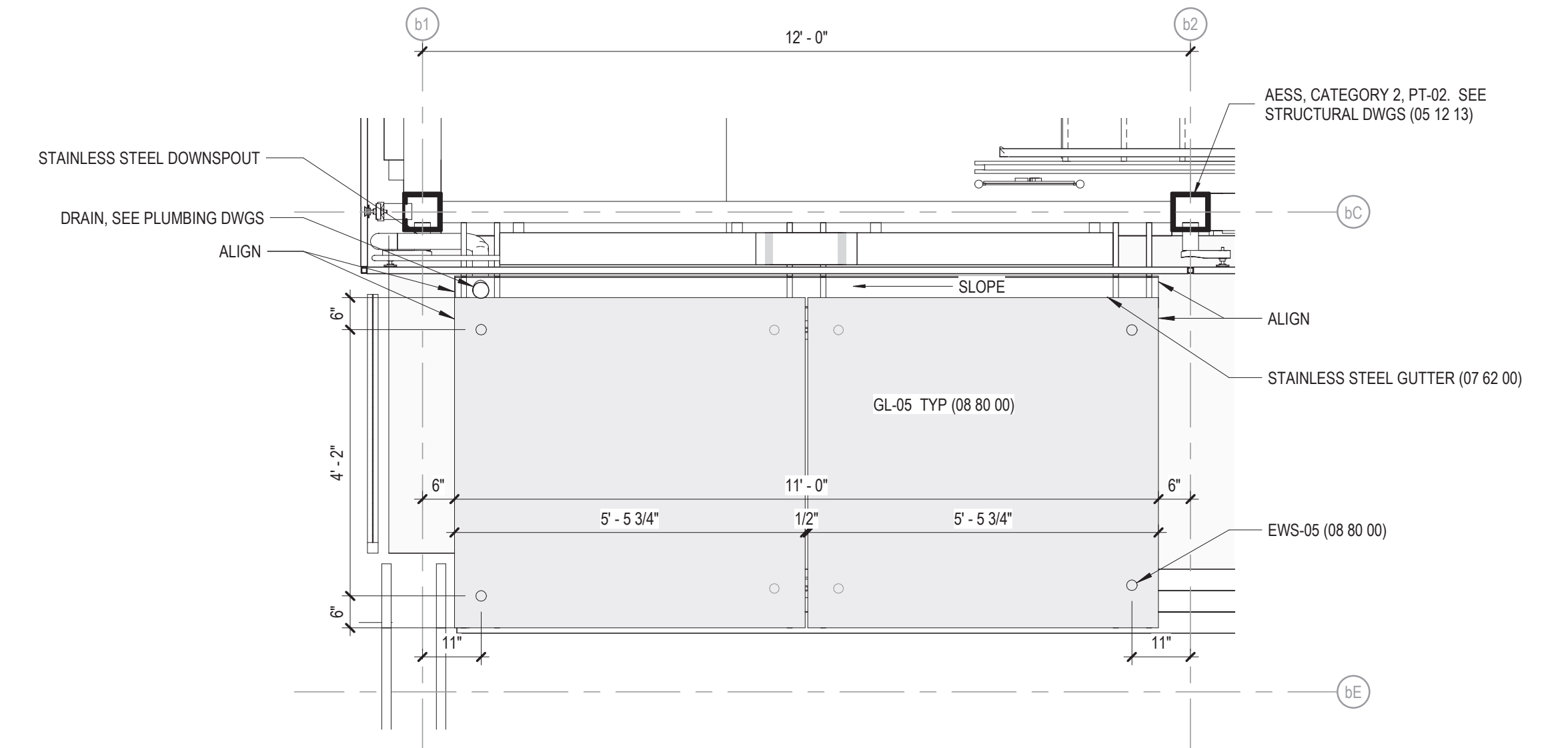
A
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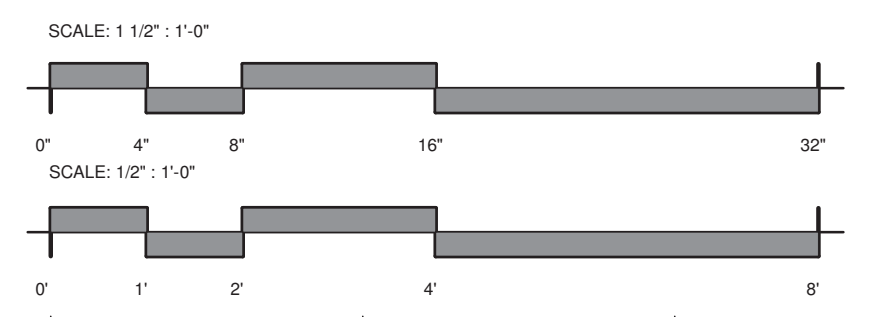
3 NORTH TOWER CANOPY SECTION
1 1/2" = 1'-0"



2 NORTH TOWER CANOPY ELEVATION
1/2" = 1'-0"



1 NORTH TOWER CANOPY PLAN
1/2" = 1'-0"



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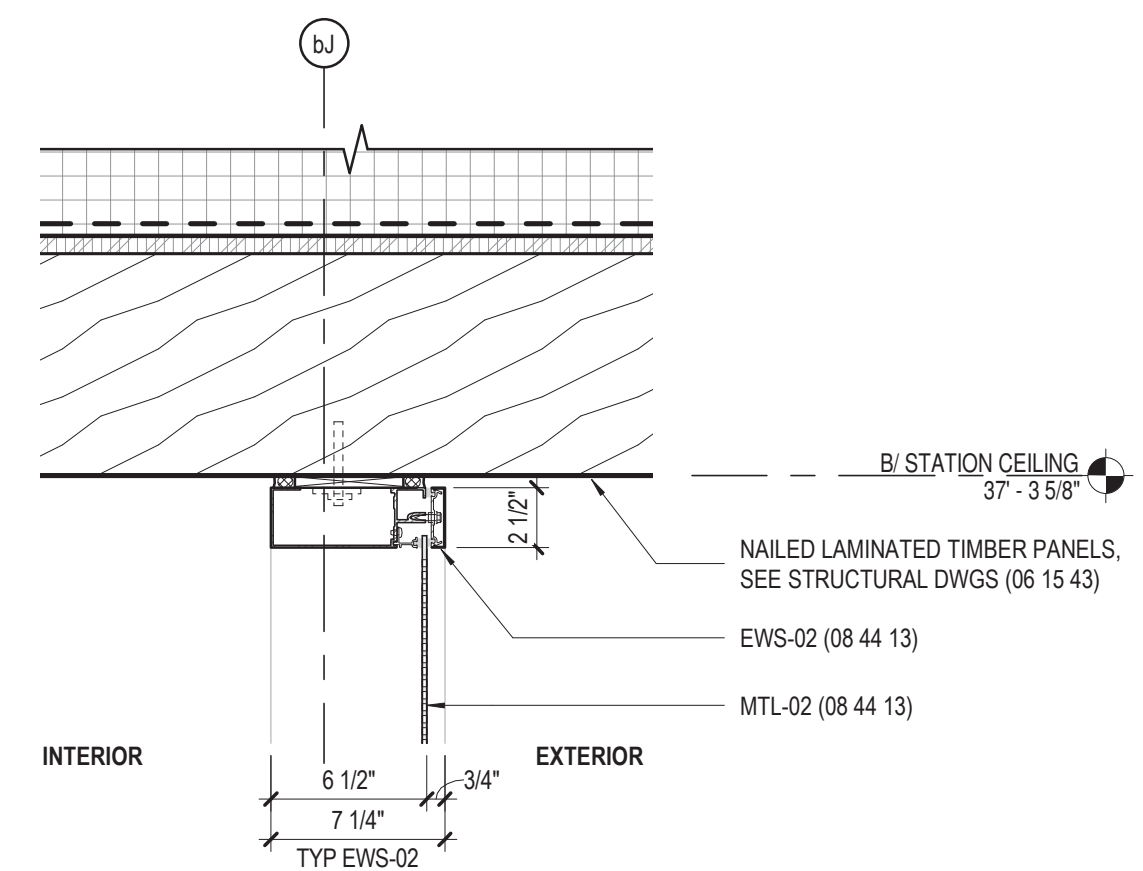
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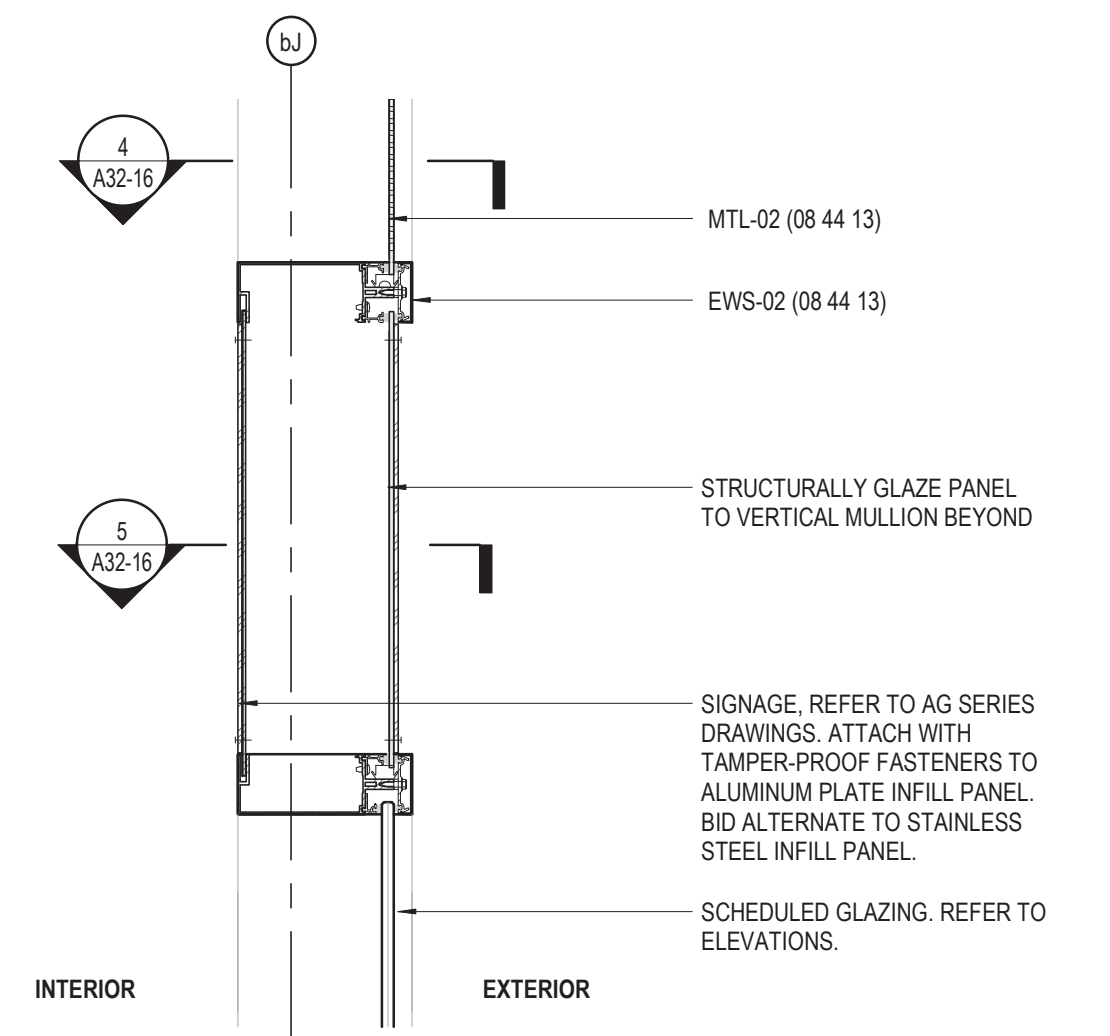
154 N DAMEN AVE - DAMEN GREEN LINE STATION
NORTH TOWER CANOPY
CDOT PROJECT D-7-135 DATE: 01/27/2020

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DRAWING NO. A31-34
REVISION NO.

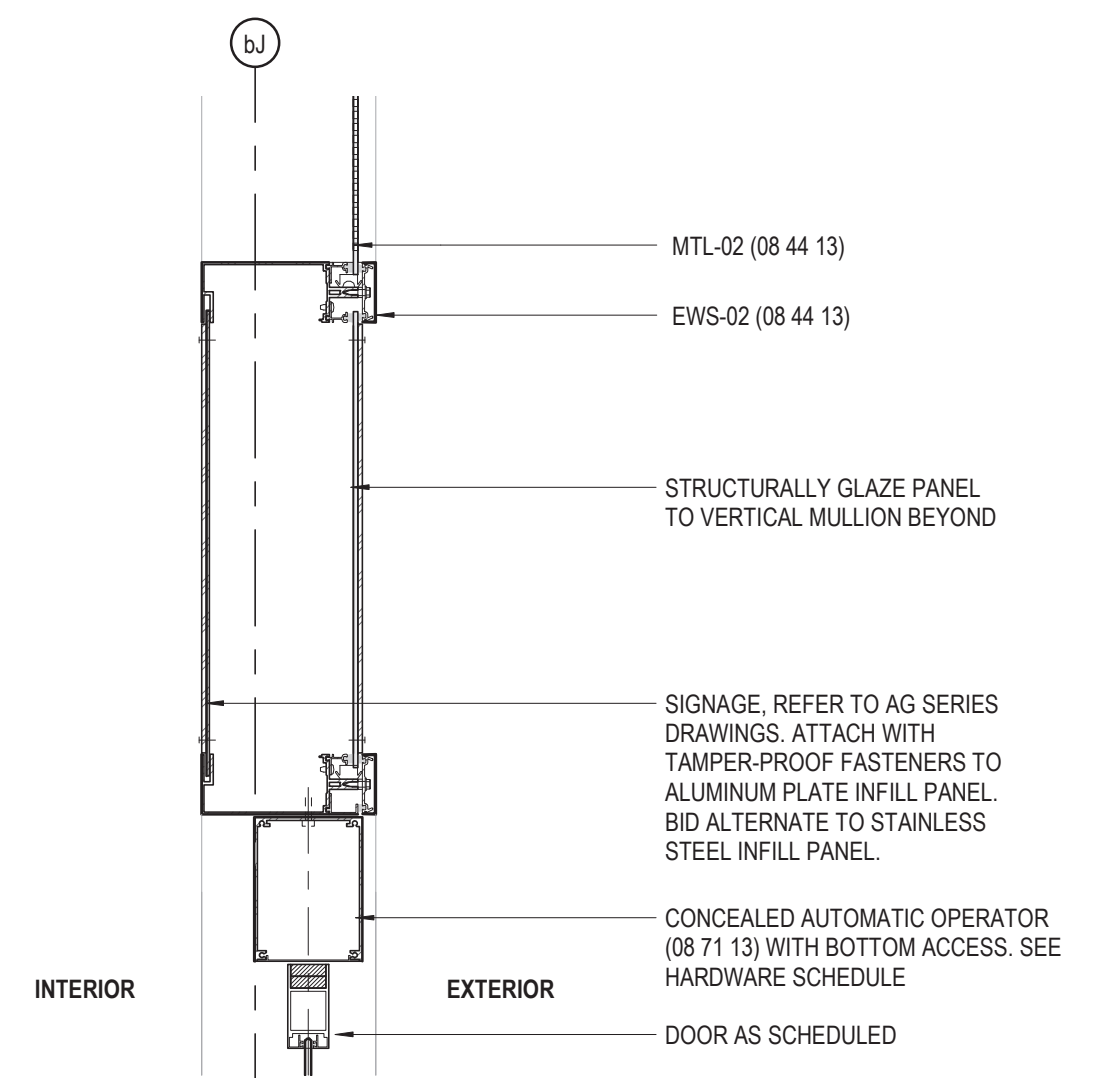
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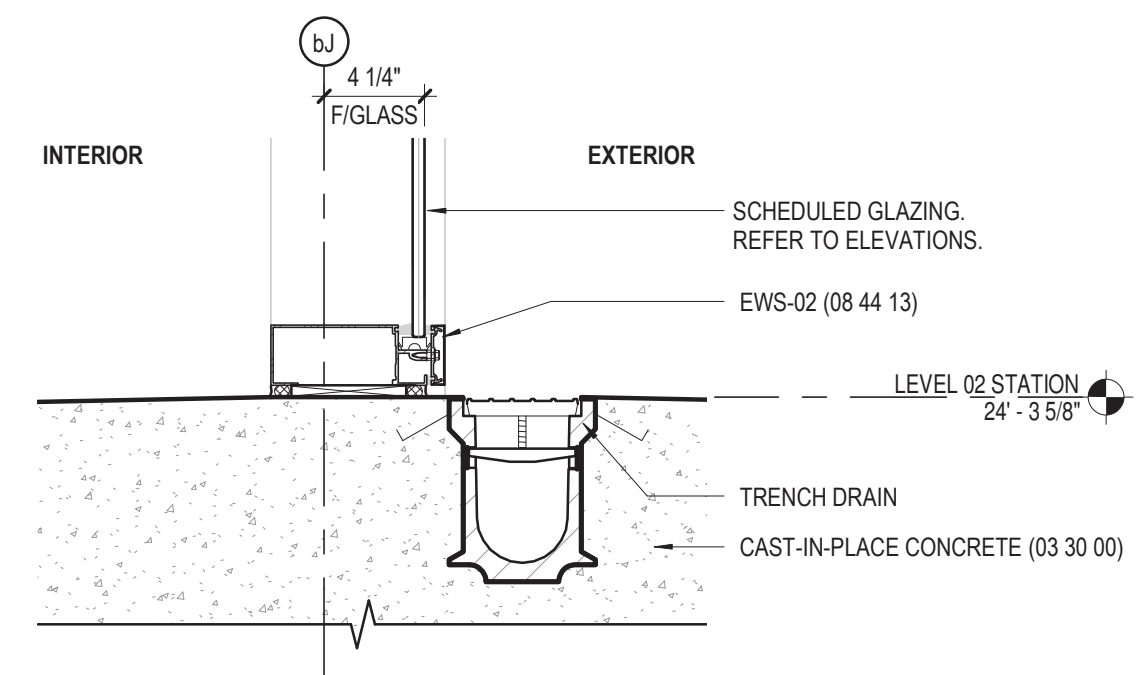
④ EWS-02 TYP. SECTION - HEAD
1 1/2" = 1'-0"



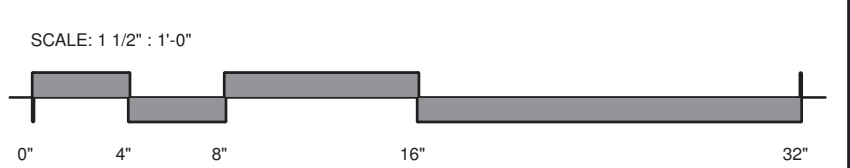
③ EWS-02 TYP. SECTION - INTERMEDIATE
1 1/2" = 1'-0"



① EWS-02 SECTION @ DOOR HEAD
1 1/2" = 1'-0"

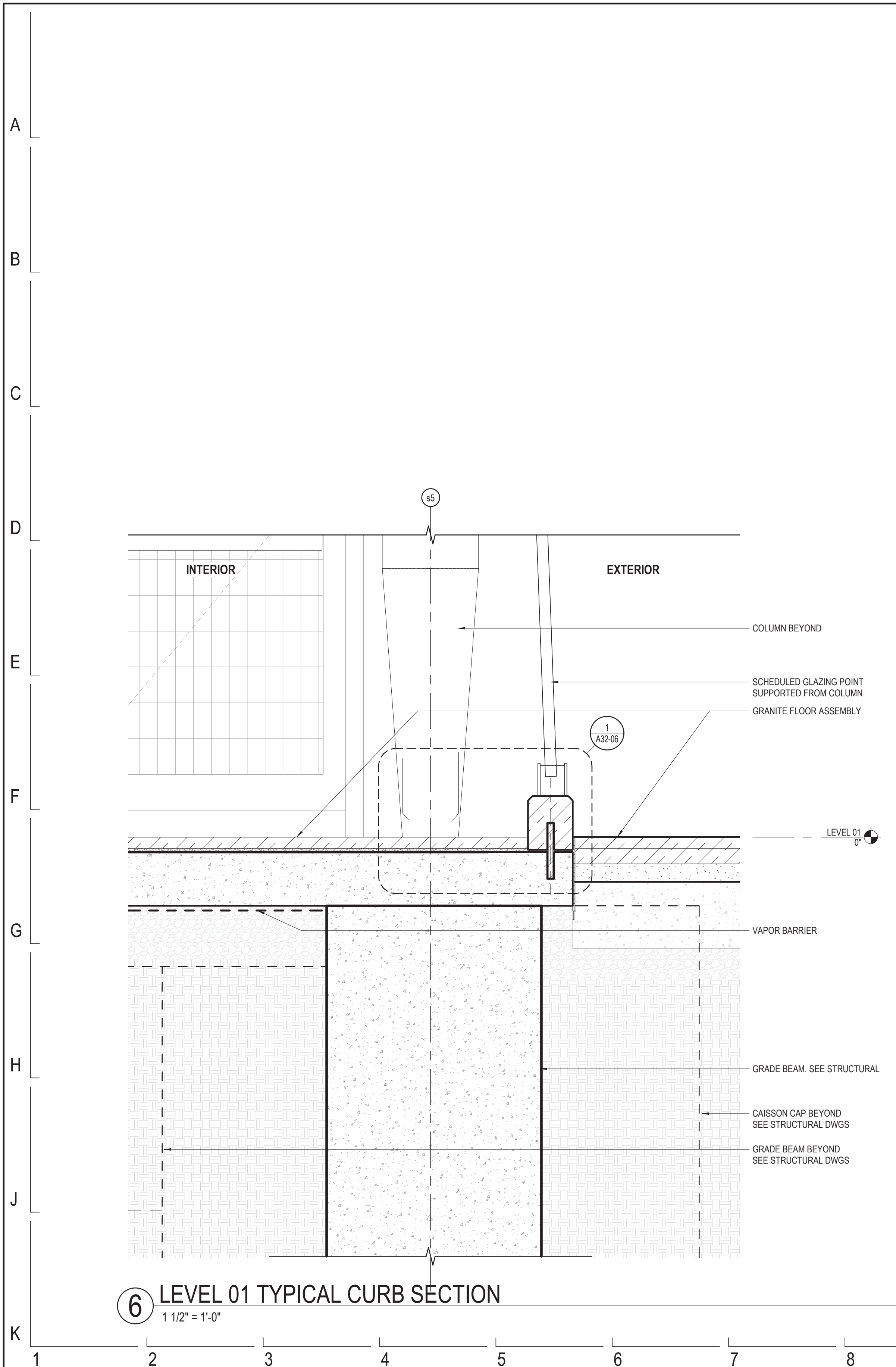


② EWS-02 TYP. SECTION - SILL
1 1/2" = 1'-0"

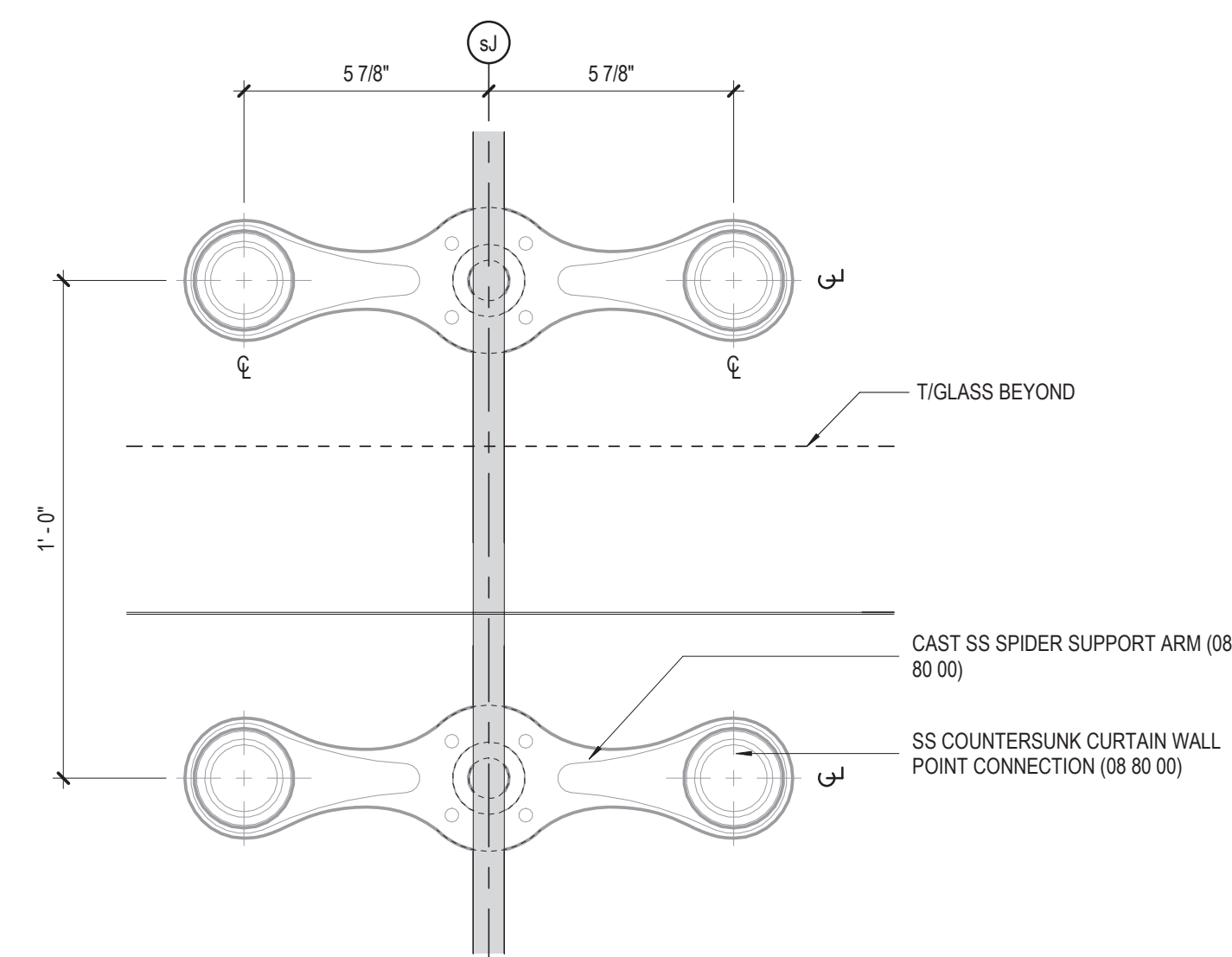


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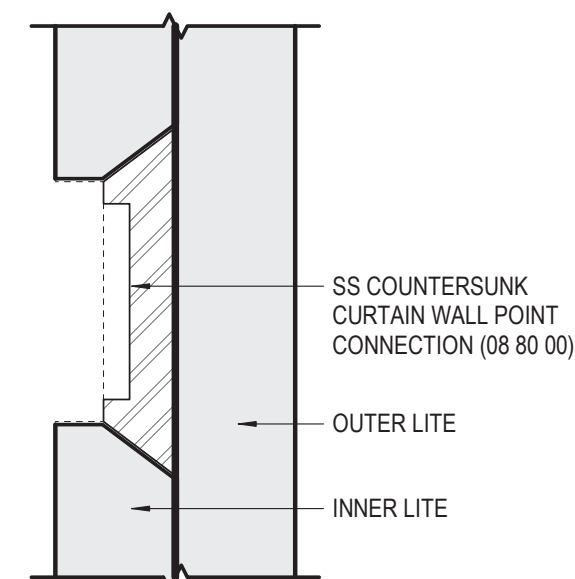
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		EXTERIOR WALL SECTION DETAILS - STATION		DRAWING NO. A32-03
		CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



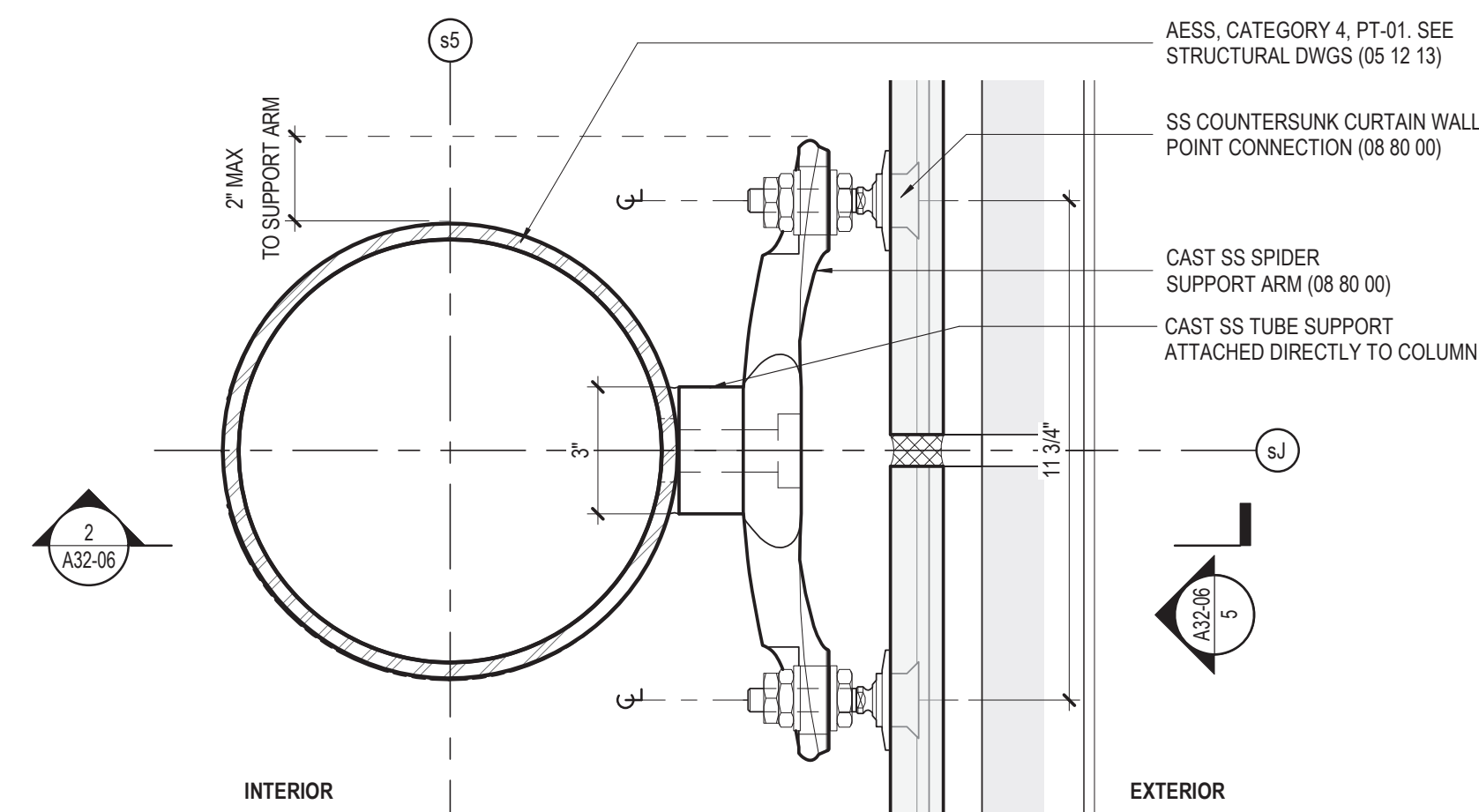
6 LEVEL 01 TYPICAL CURB SECTION
1 1/2" = 1'-0"



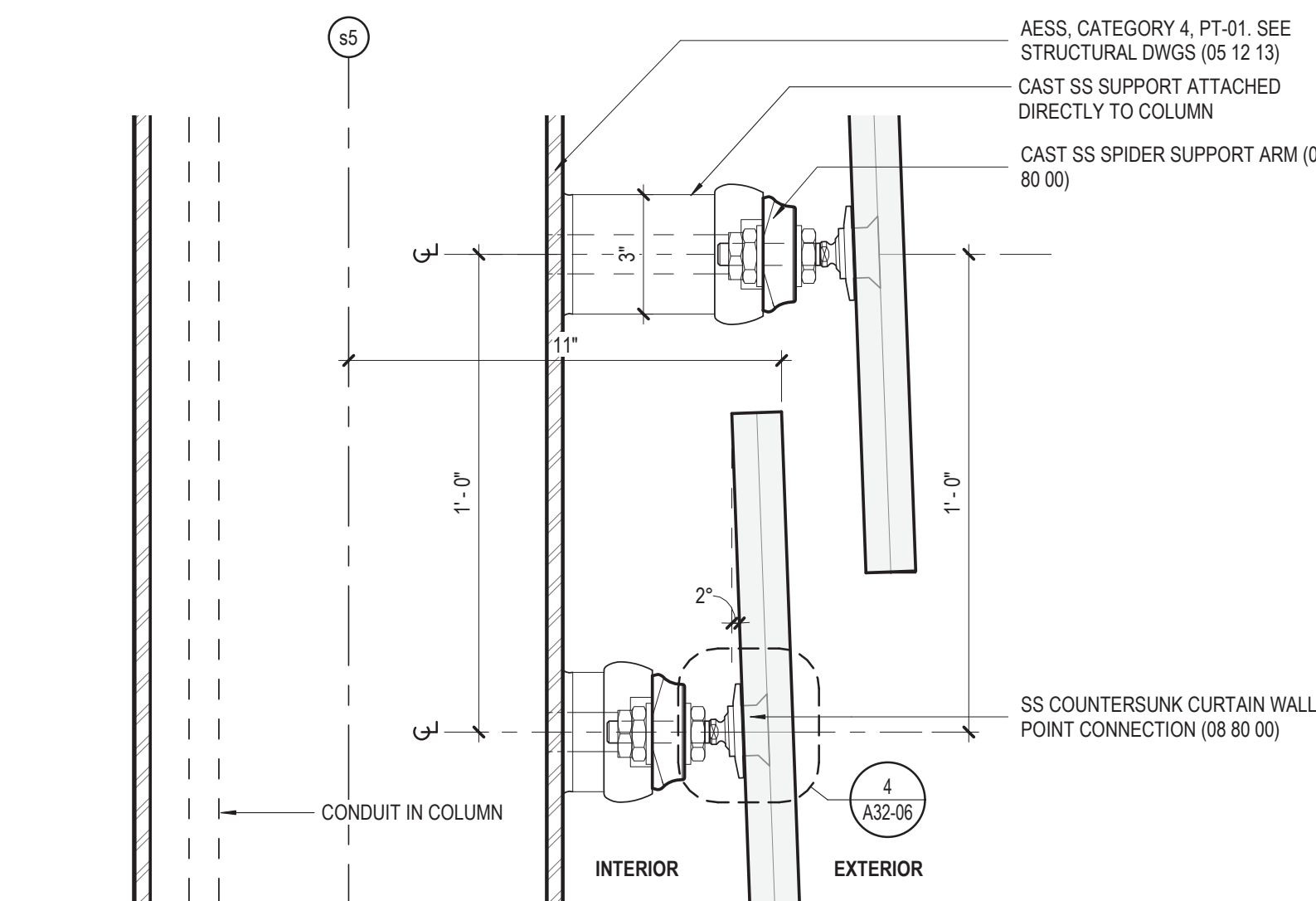
5 EWS-04- STATION ELEVATION, TYP
3" = 1'-0"



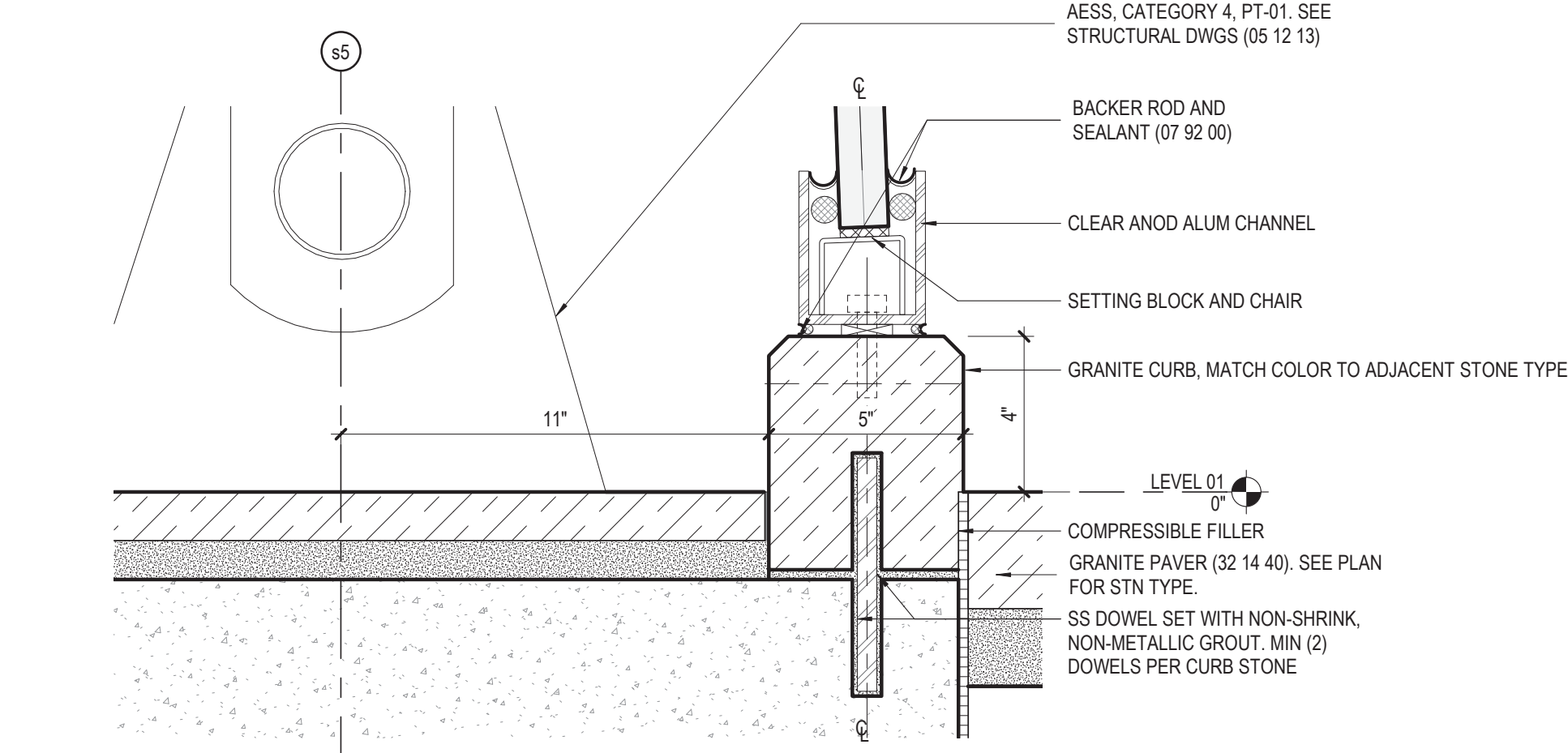
4 POINT SUPPORTED GLAZING CONNECTION
12" = 1'-0" EWS-03, EWS-04, EWS-05



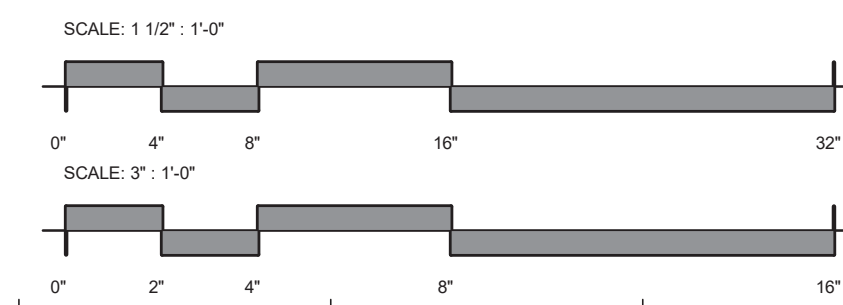
3 EWS-04 - STATION PLAN, TYP.
3" = 1'-0"



2 EWS-04 - STATION SECTION, TYP
3" = 1'-0"



1 LEVEL 01 TYPICAL CURB SECTION
3" = 1'-0"



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

EXTERIOR WALL DETAILS - TYPICAL STATION

CDOT PROJECT D-7-135

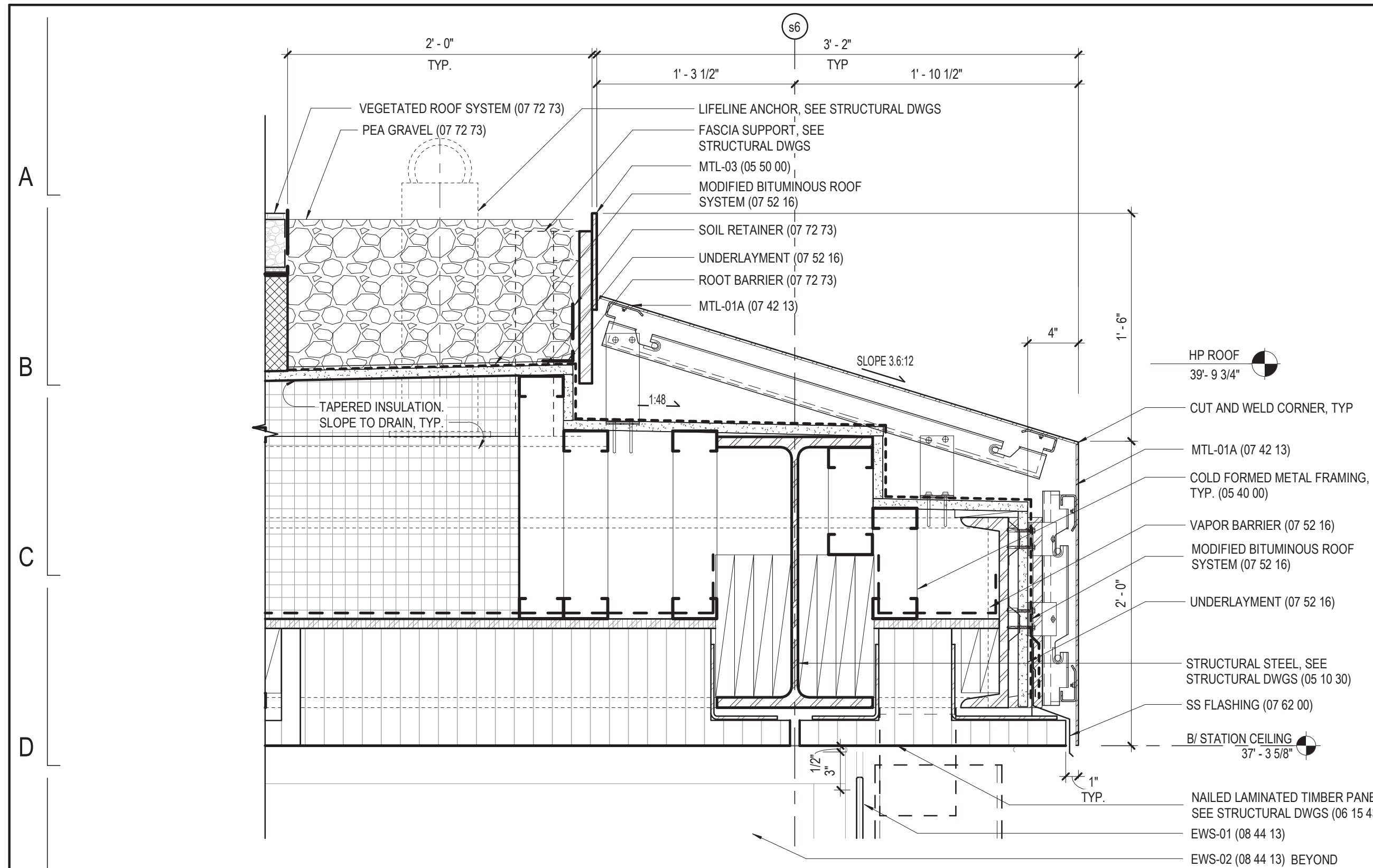
DATE: 01/27/2020

SPEC. NO.

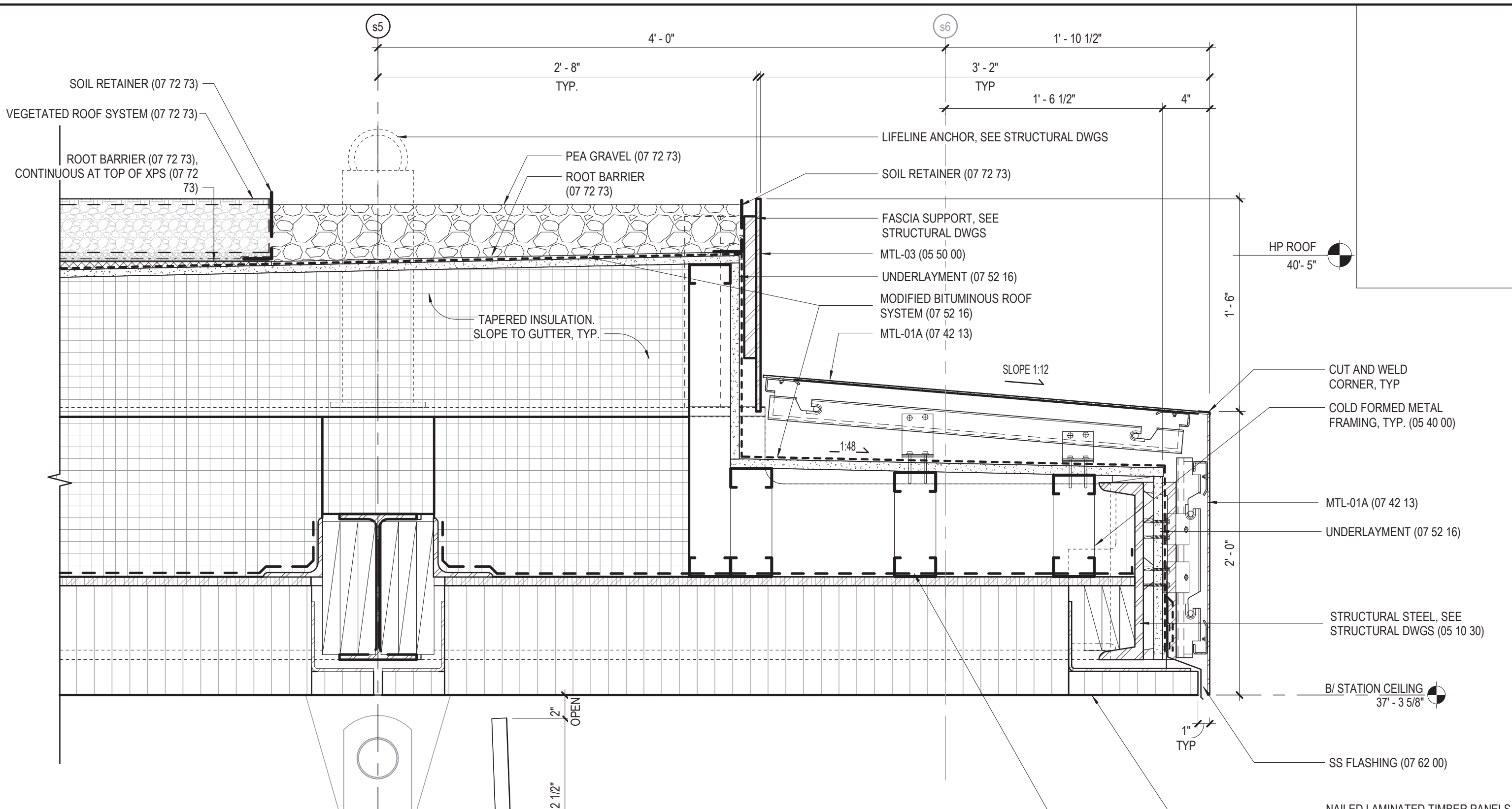
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A32-06

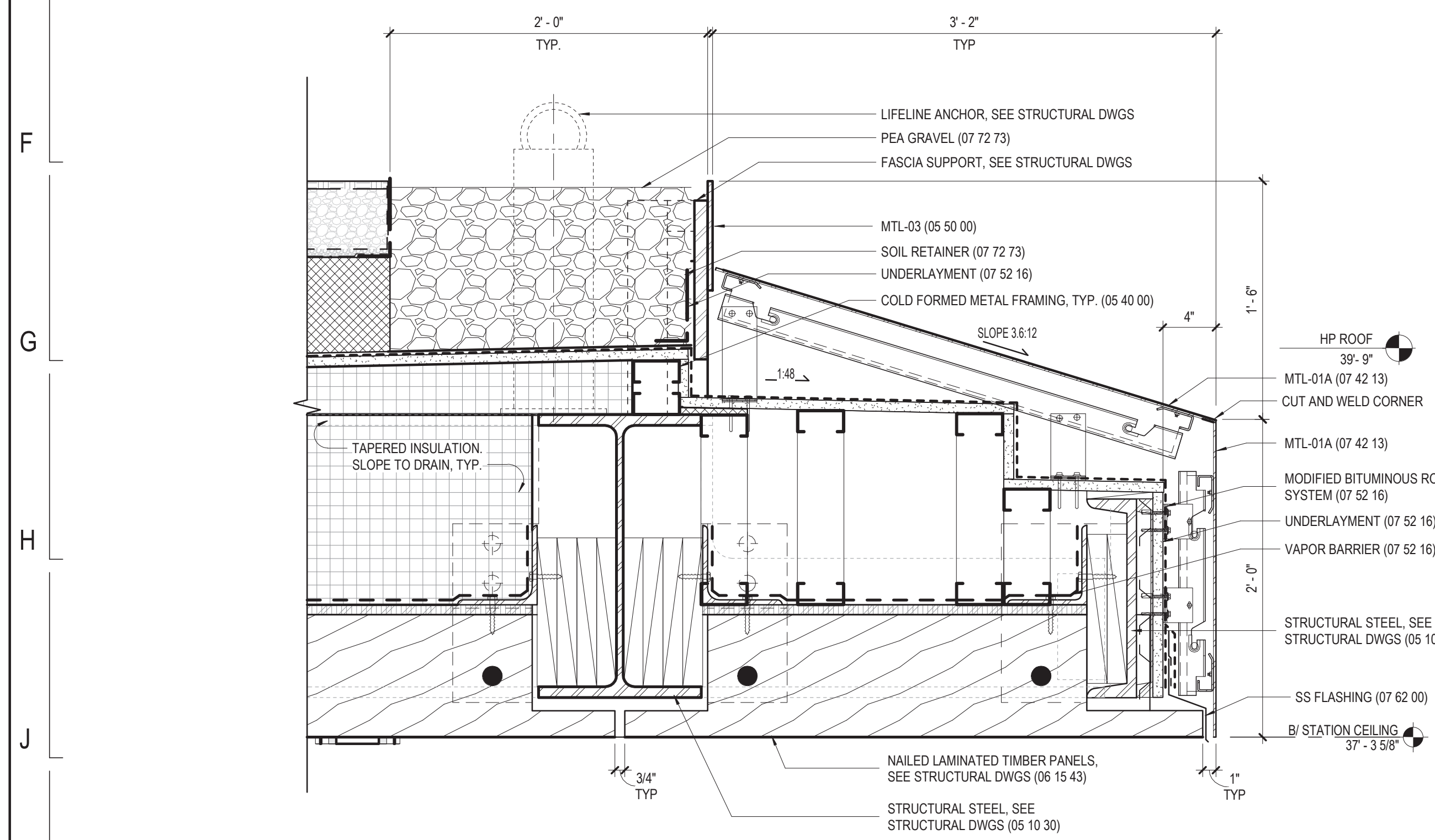
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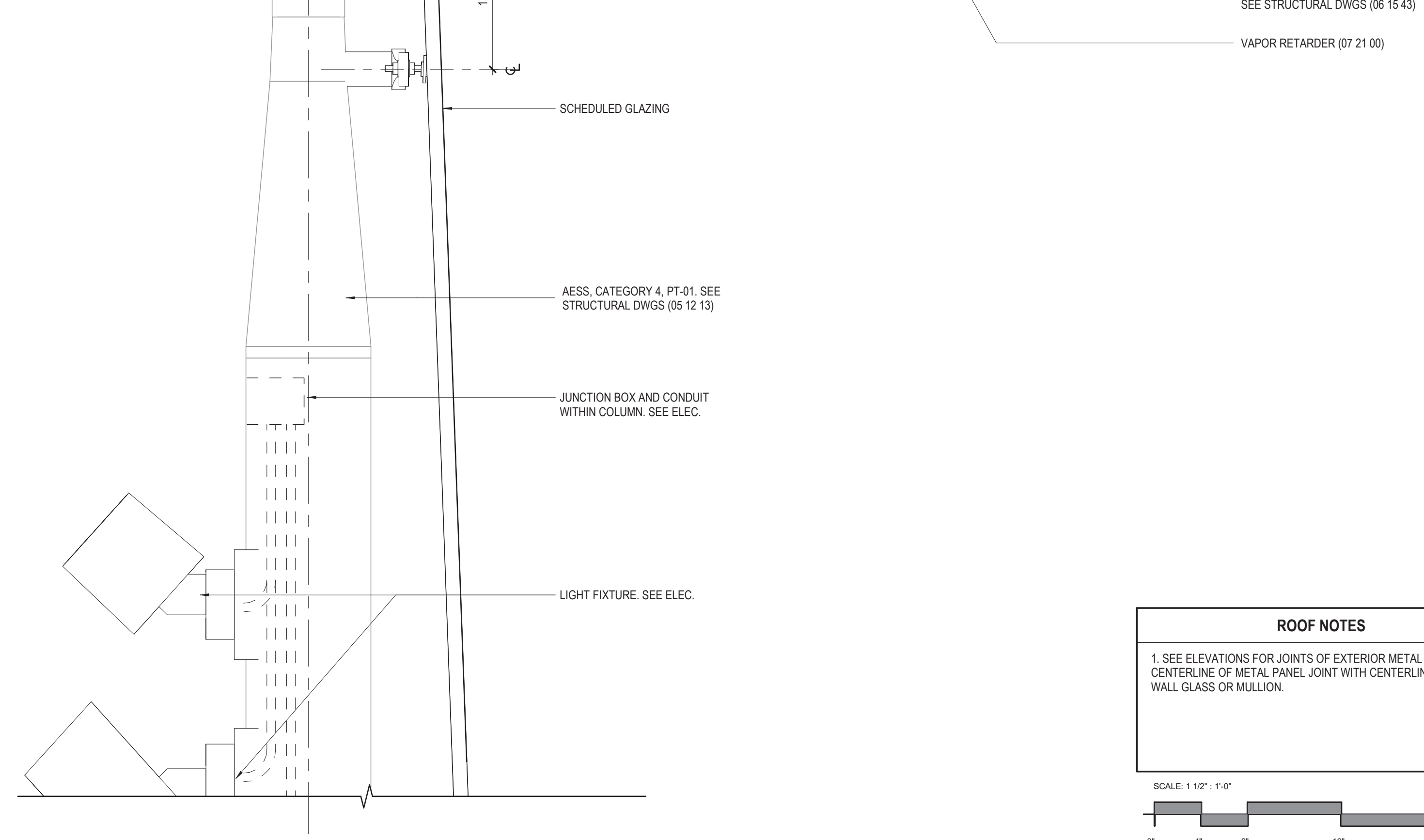
3 SECTION DETAIL - STATION EAST PARAPET NORTH OF sC
1 1/2" = 1'-0"



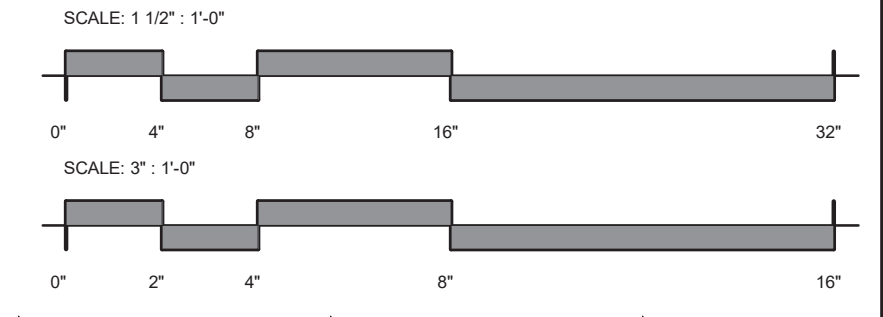
1 SECTION DETAIL - STATION EAST ROOF SOUTH OF SG
1 1/2" = 1'-0"



2 SECTION DETAIL - STATION NORTH PARAPET
1 1/2" = 1'-0"



ROOF NOTES
1. SEE ELEVATIONS FOR JOINTS OF EXTERIOR METAL PANEL. ALIGN CENTERLINE OF METAL PANEL JOINT WITH CENTERLINE OF CURTAIN WALL GLASS OR MULLION.



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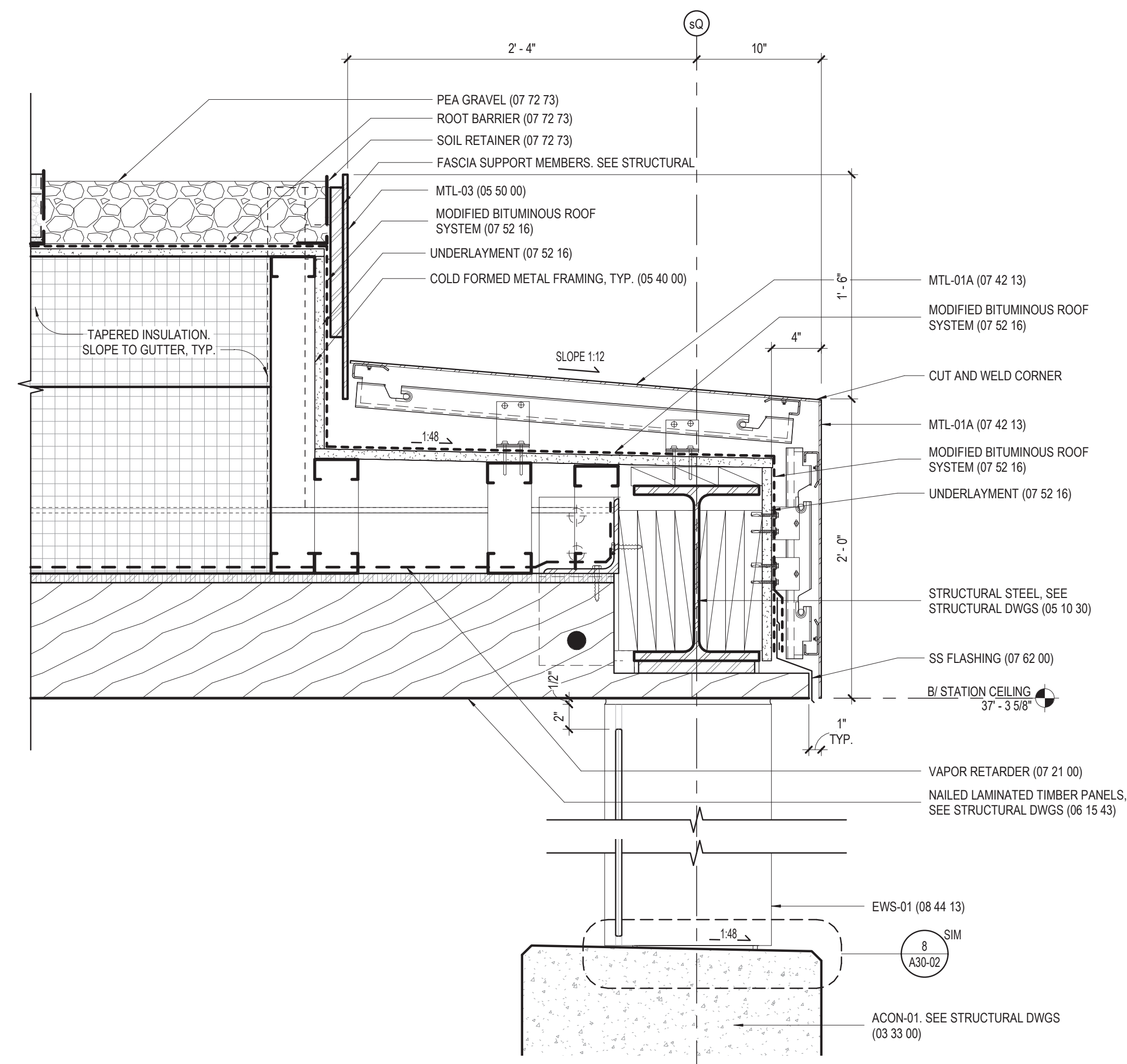
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
EXTERIOR WALL SECTION DETAILS - STATION
CDOT PROJECT D-7-135

SPEC. NO.
DRAWING NO. **A32-11**
REVISION NO.

DATE: 09/29/20

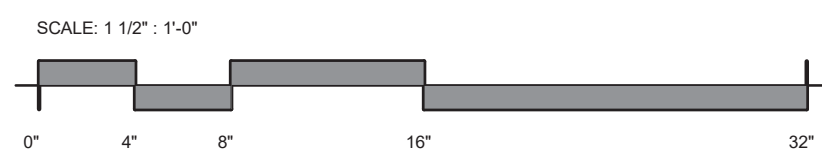
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ROOF NOTES

1. SEE ELEVATIONS FOR JOINTS OF EXTERIOR METAL PANEL. ALIGN CENTERLINE OF METAL PANEL JOINT WITH CENTERLINE OF CURTAIN WALL GLASS OR MULLION.

1 SECTION DETAIL - STATION SOUTH PARAPET
1 1/2" = 1'-0"



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

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154 N DAMEN AVE - DAMEN GREEN LINE STATION

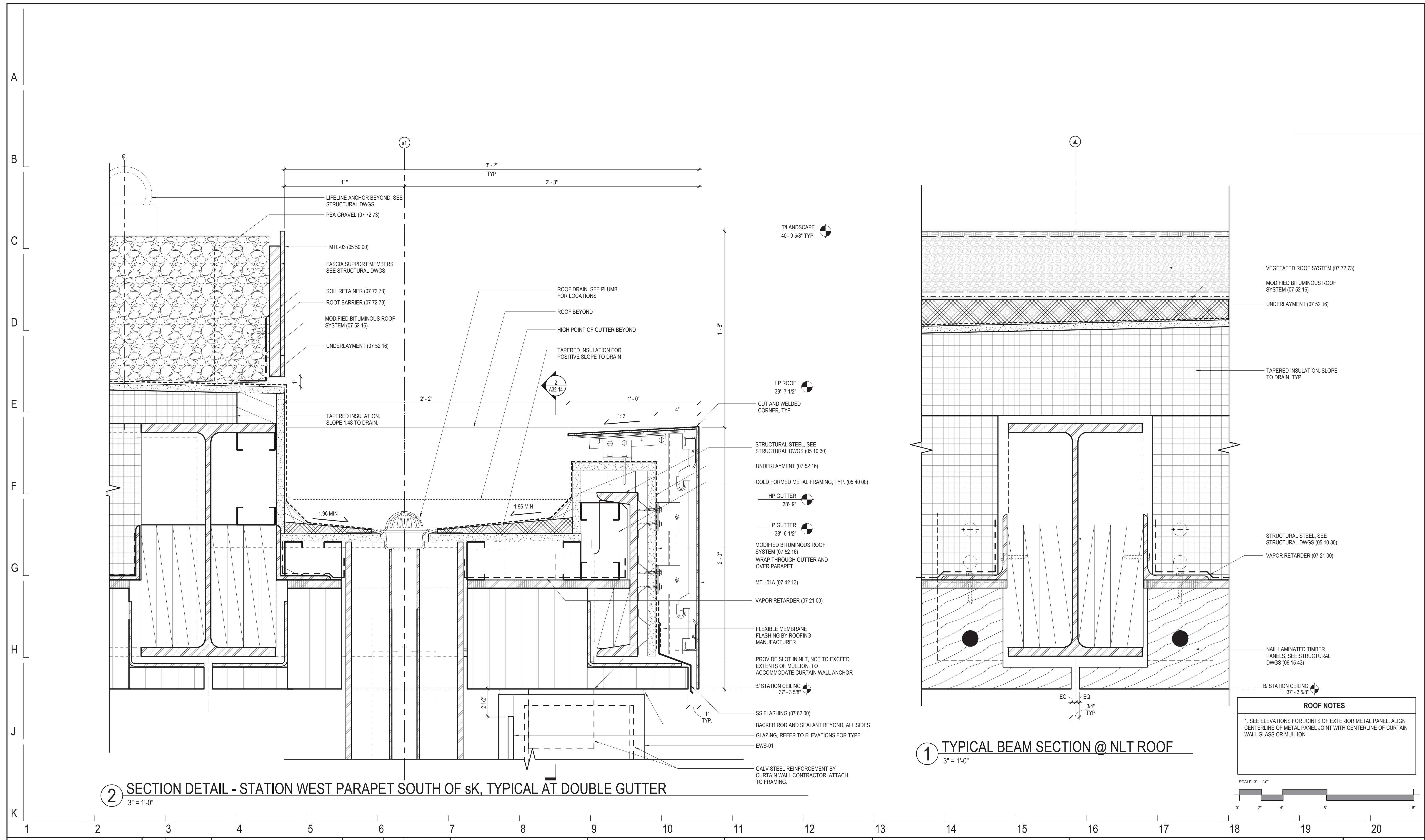
EXTERIOR WALL SECTION DETAILS - STATION

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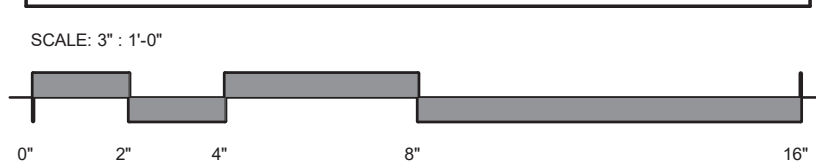
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A32-12

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1. SEE ELEVATIONS FOR JOINTS OF EXTERIOR METAL PANEL. ALIGN CENTERLINE OF METAL PANEL JOINT WITH CENTERLINE OF CURTAIN WALL GLASS OR MULLION.



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EXTERIOR WALL SECTION DETAILS - STATION

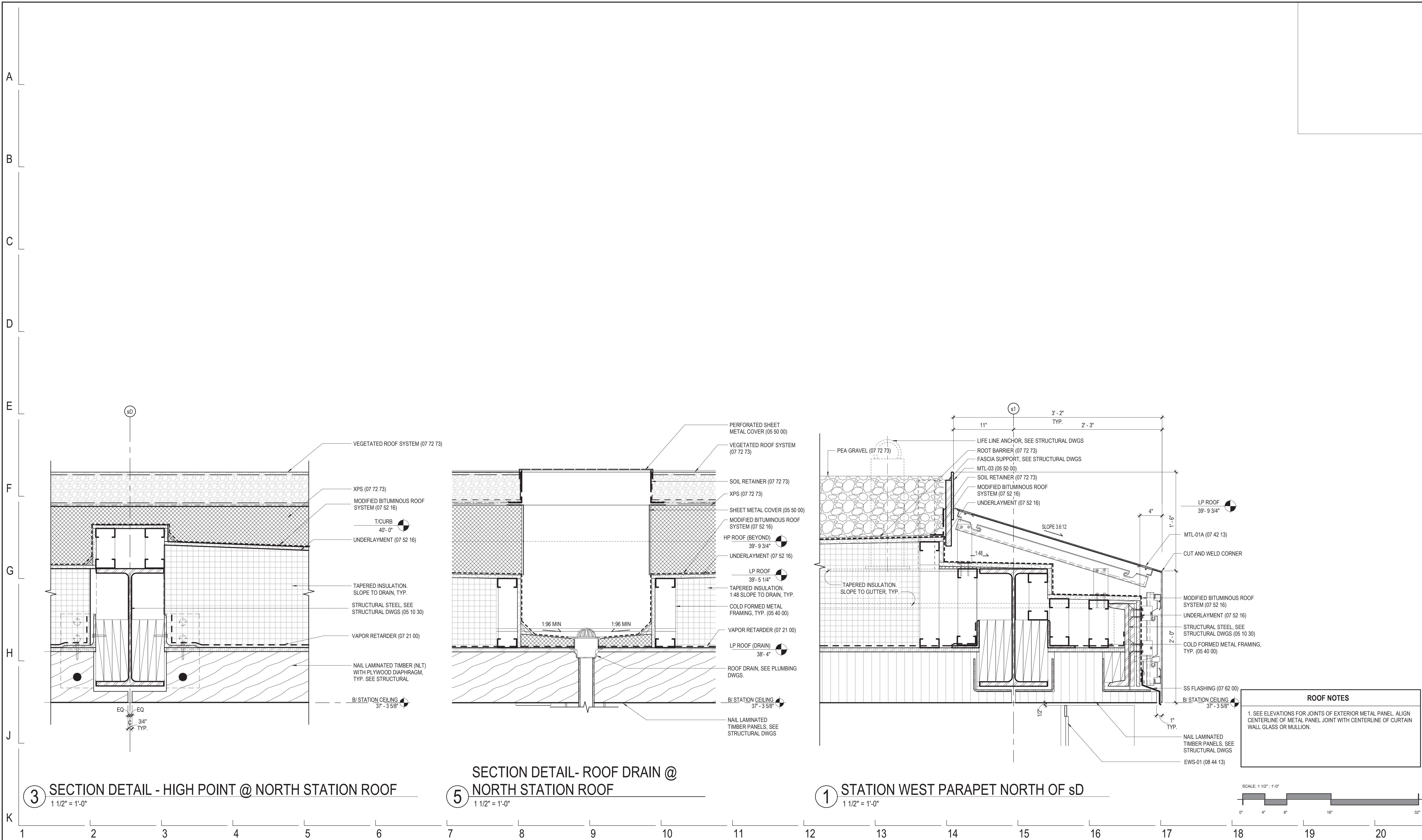
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DRAWING NO.
A32-13

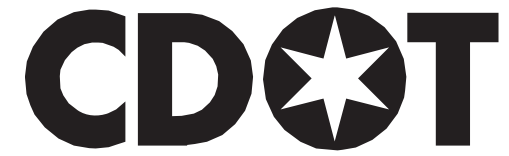
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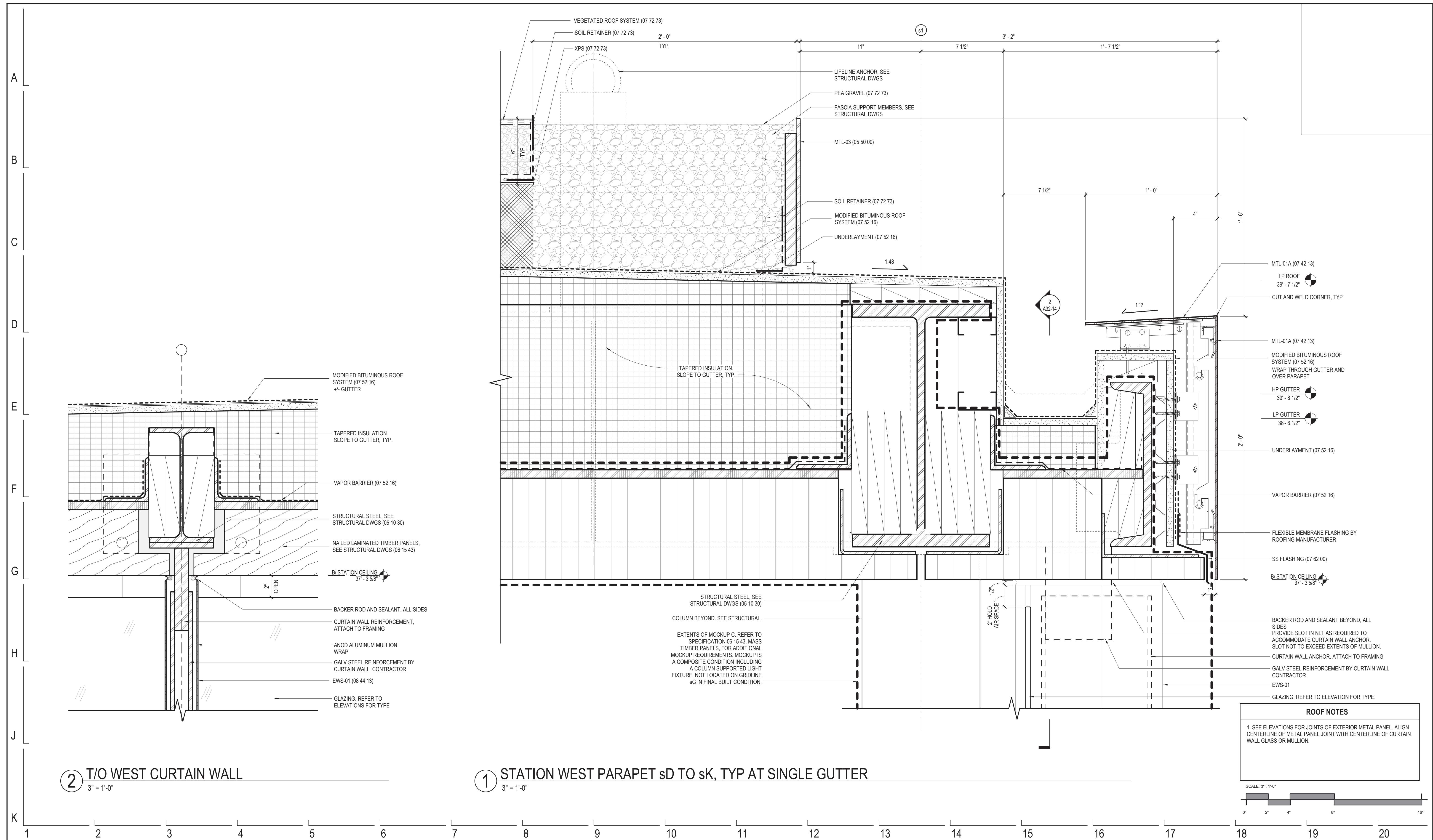
154 N DAMEN AVE - DAMEN GREEN LINE STATION

EXTERIOR WALL SECTION DETAILS - STATION

CDOT PROJECT D-7-135

DATE: 09/29/20

SPEC. NO.
DRAWING NO. A32-13B
REVISION NO.

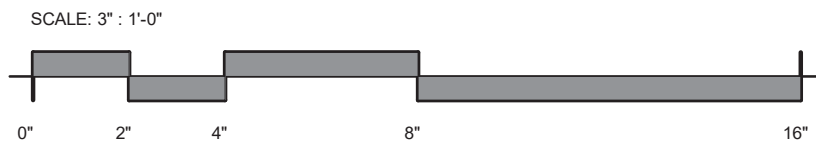


② T/O WEST CURTAIN WALL
3" = 1'-0"

① STATION WEST PARAPET sD TO sK, TYP AT SINGLE GUTTER
3" = 1'-0"

ROOF NOTES

1. SEE ELEVATIONS FOR JOINTS OF EXTERIOR METAL PANEL. ALIGN CENTERLINE OF METAL PANEL JOINT WITH CENTERLINE OF CURTAIN WALL GLASS OR MULLION.



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

EXTERIOR WALL SECTION DETAILS - STATION

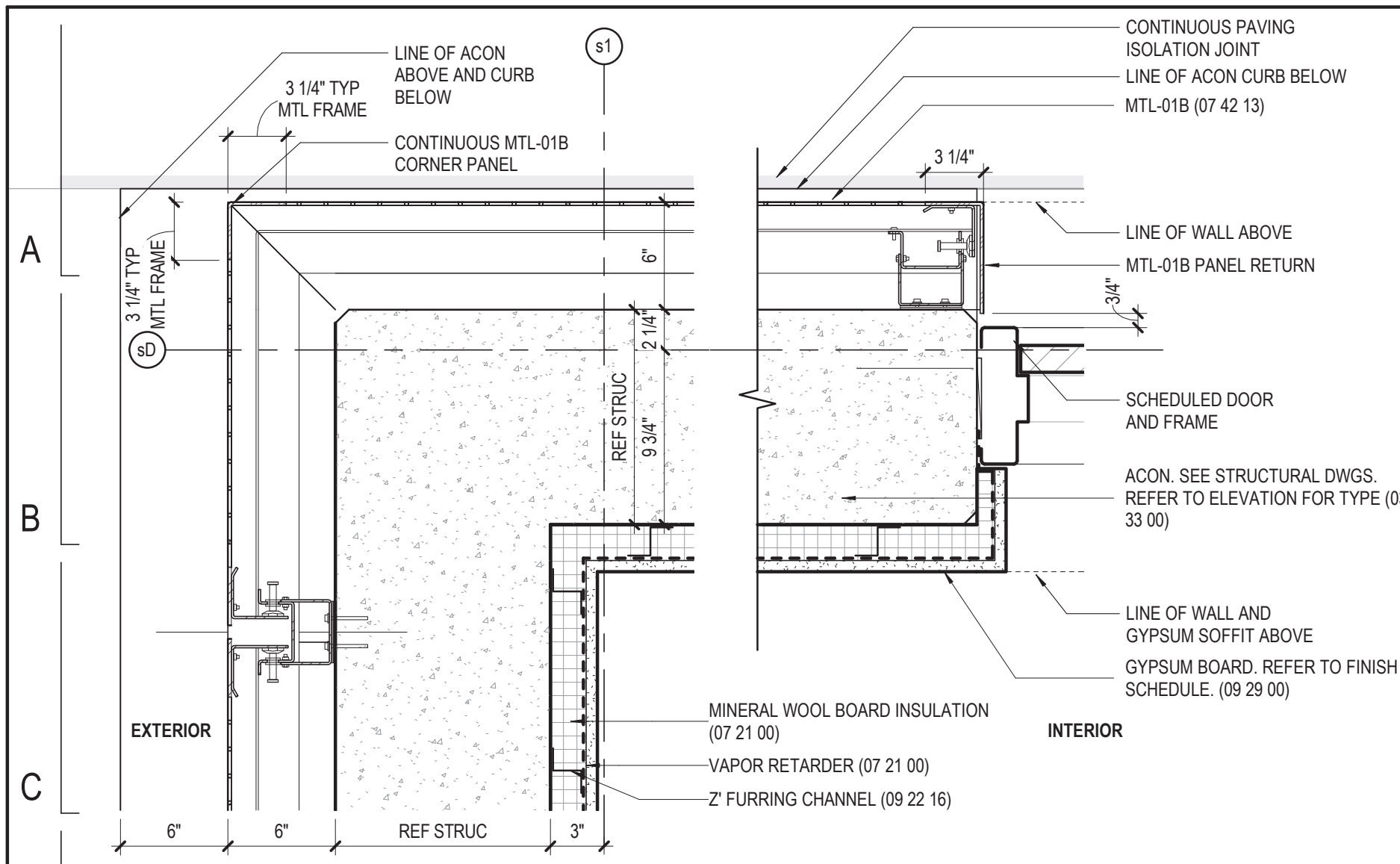
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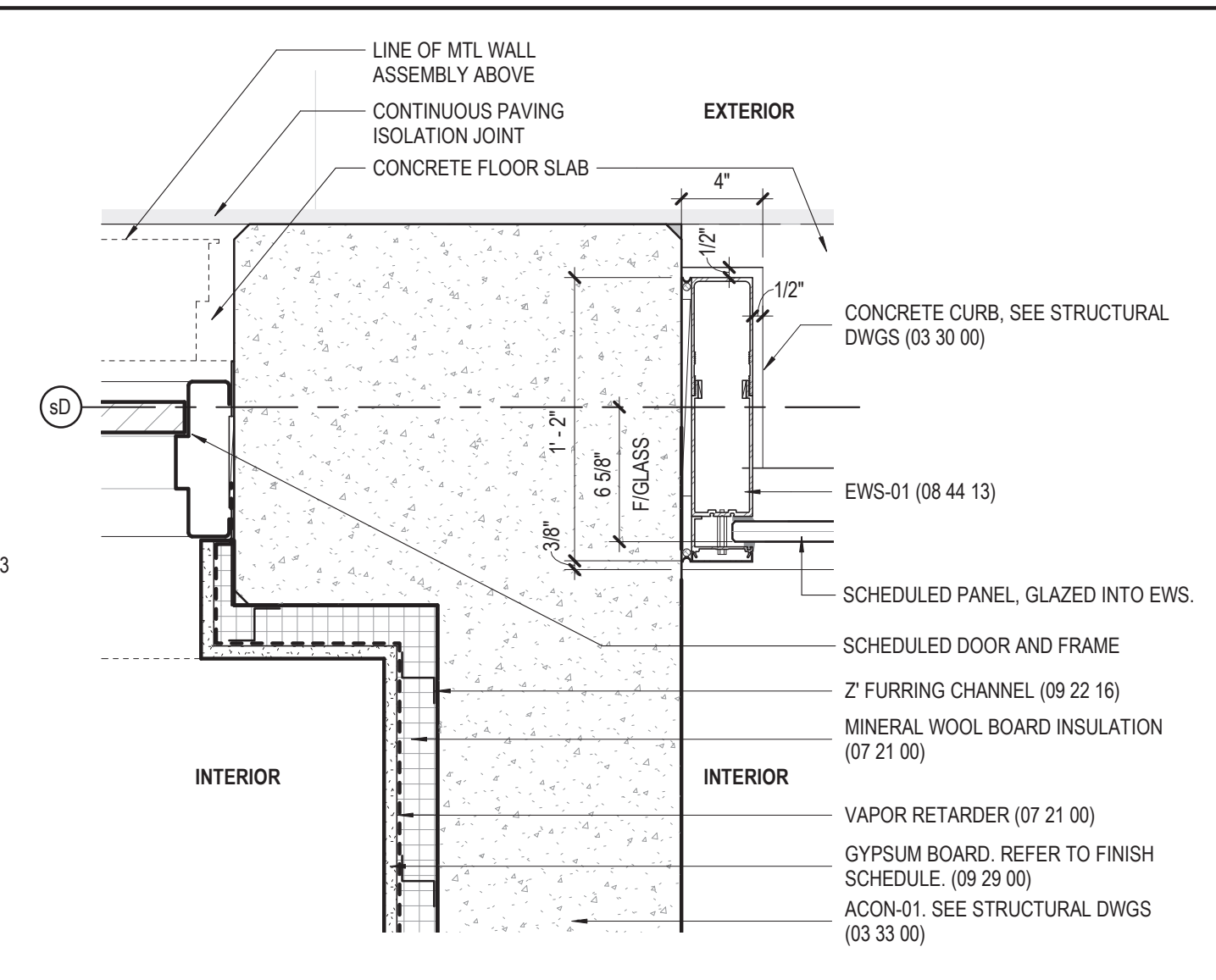
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DRAWING NO.
A32-14

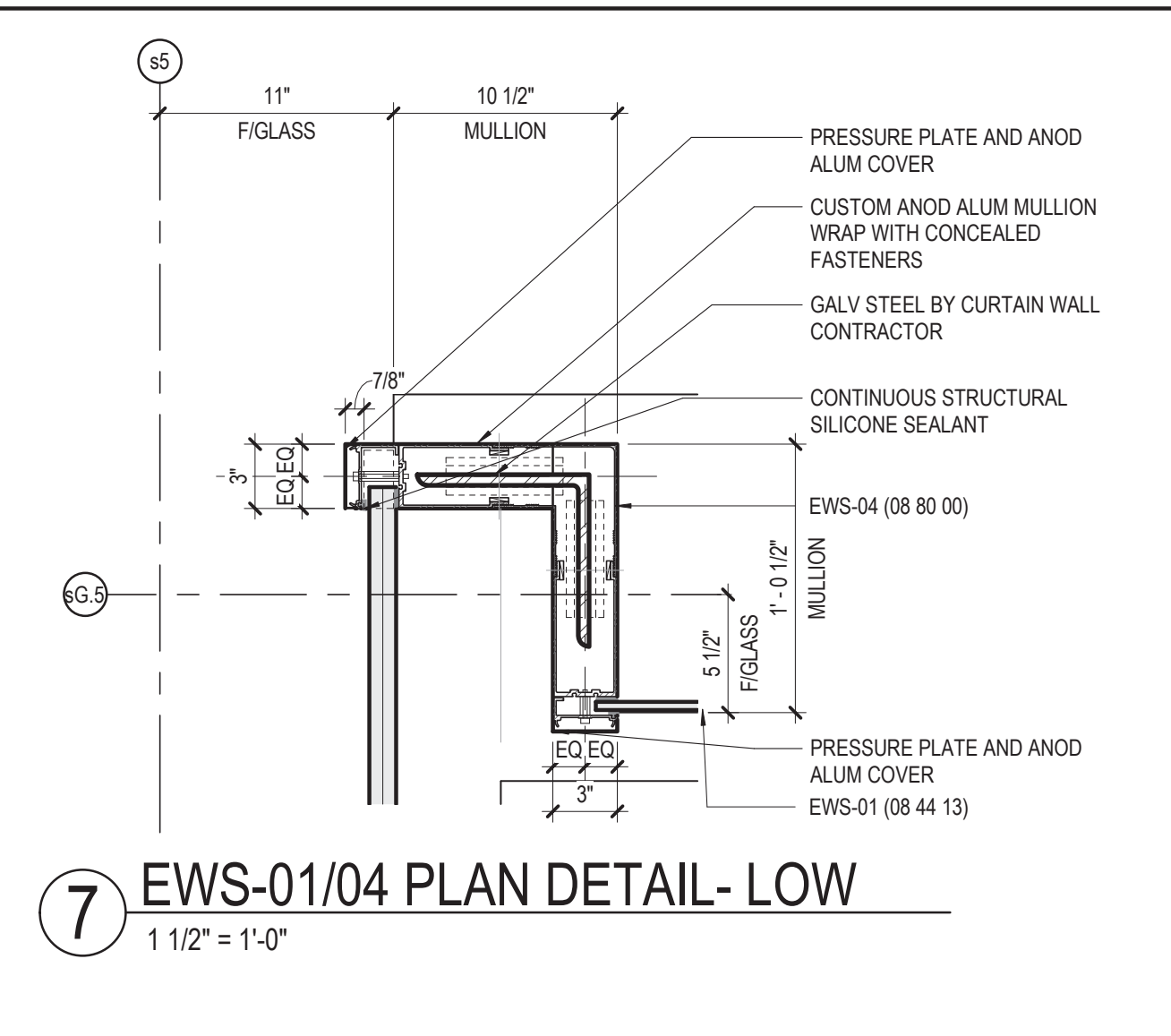
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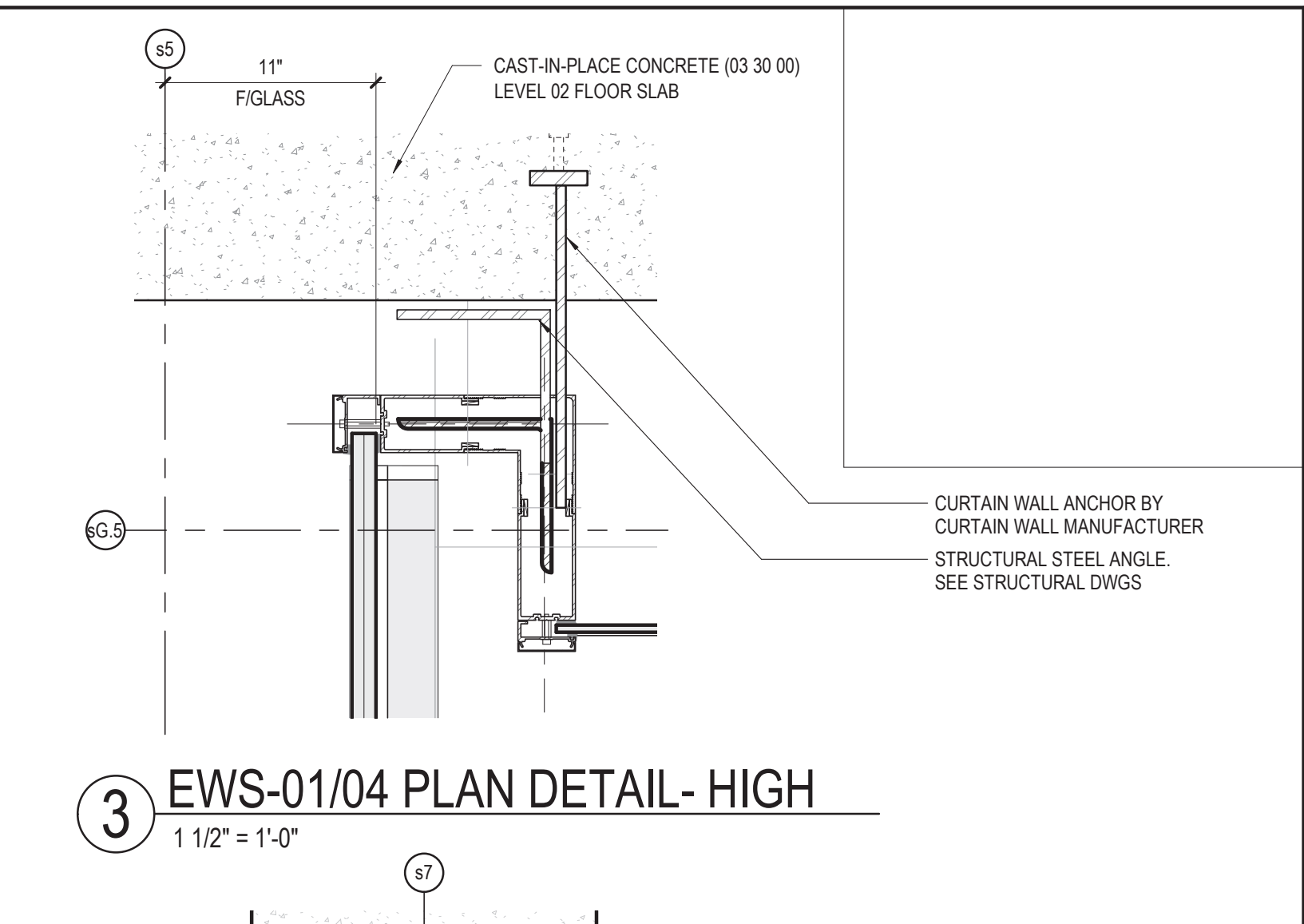
13 PLAN DETAIL AT STATION NW CORNER
1 1/2" = 1'-0"



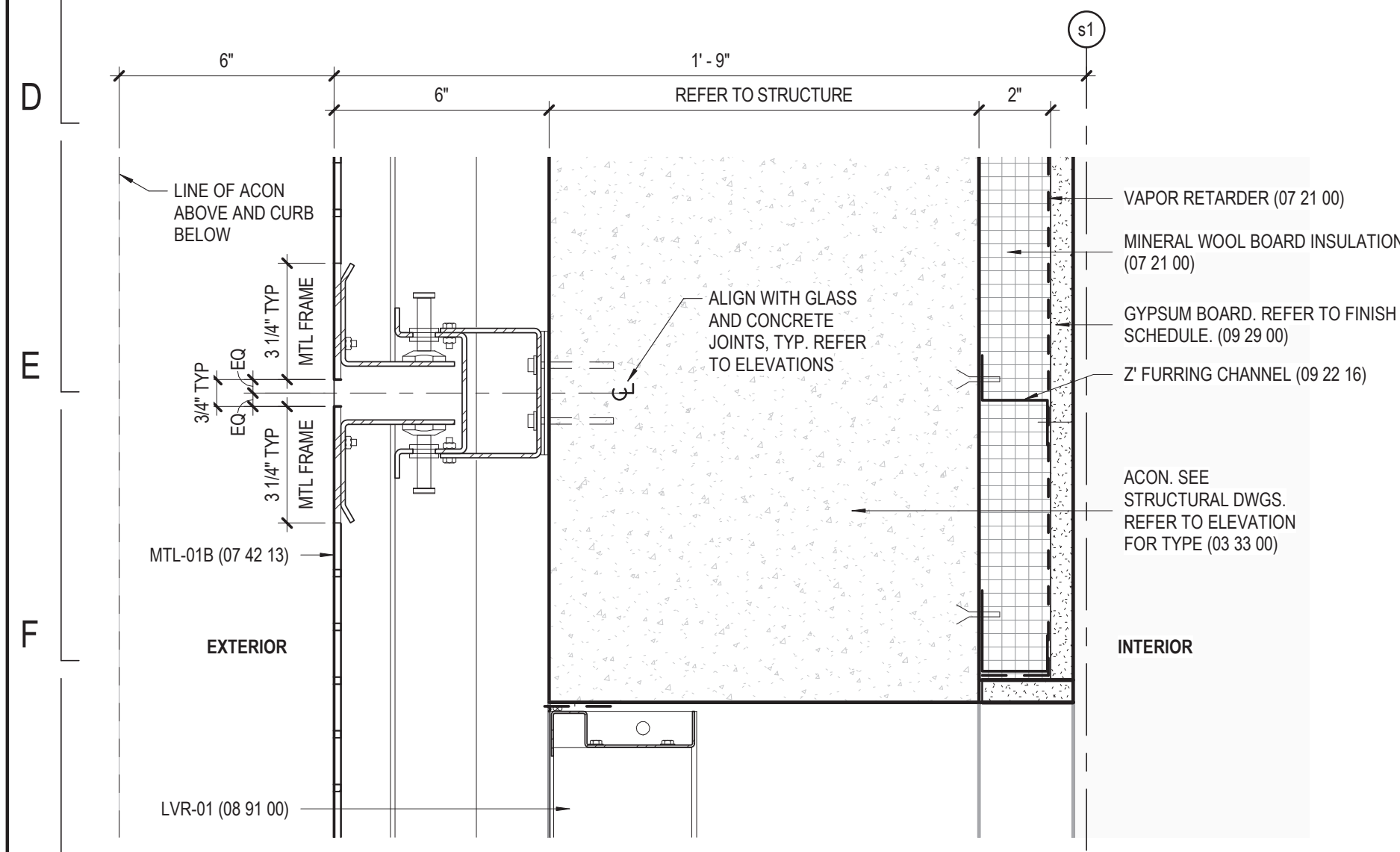
10 NORTH EWS ACON PLAN DETAIL
1 1/2" = 1'-0"



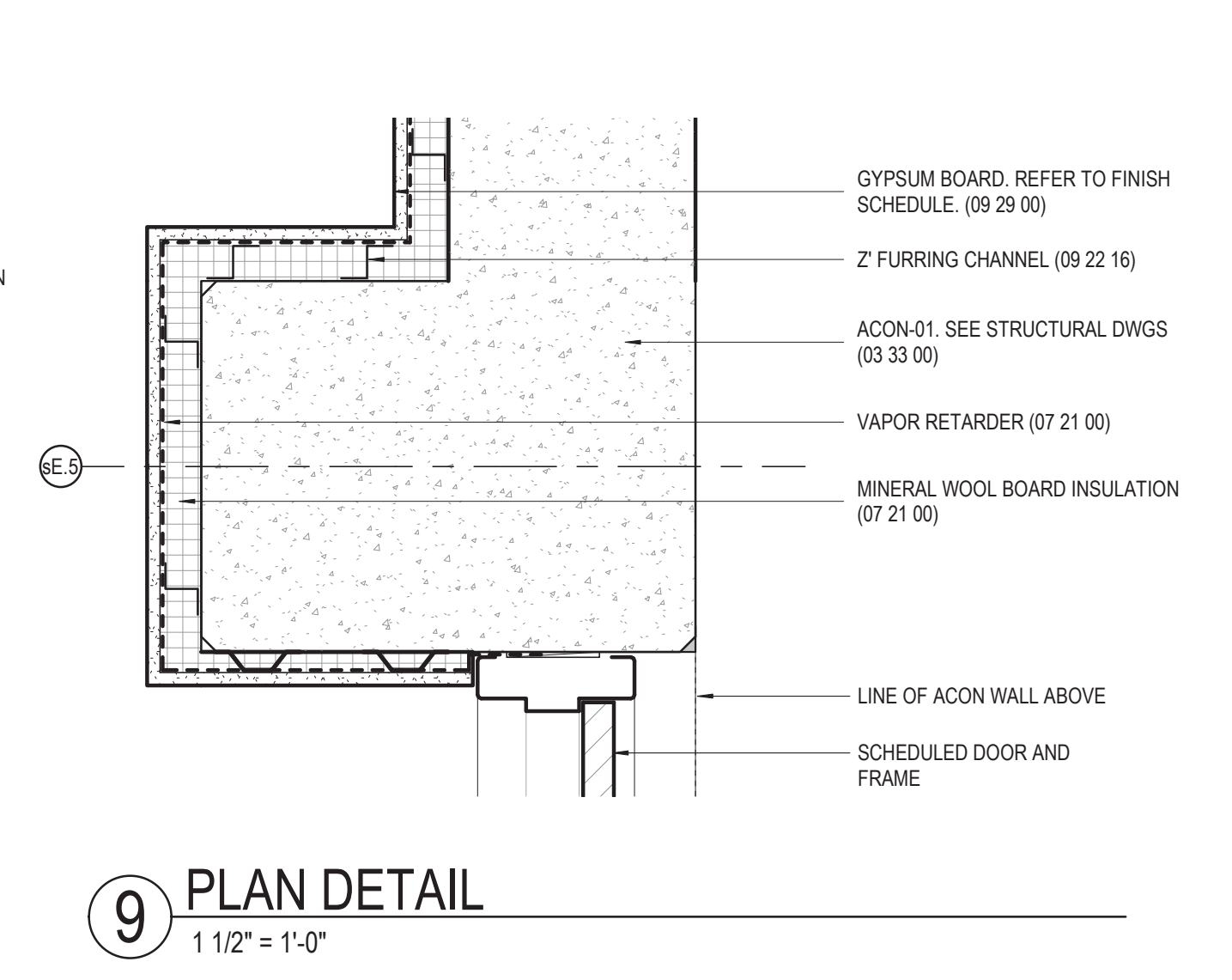
7 EWS-01/04 PLAN DETAIL- LOW
1 1/2" = 1'-0"



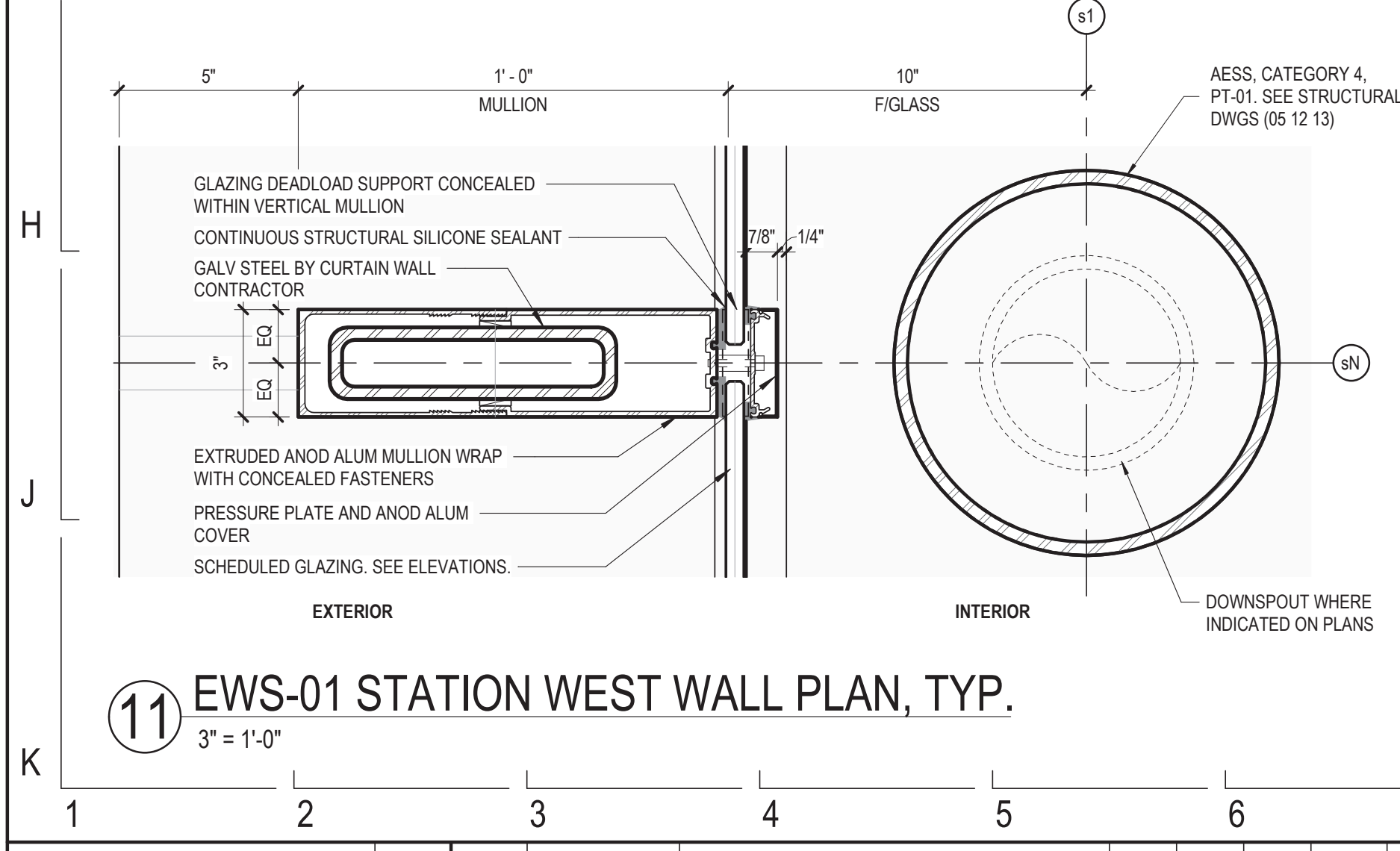
3 EWS-01/04 PLAN DETAIL- HIGH
1 1/2" = 1'-0"



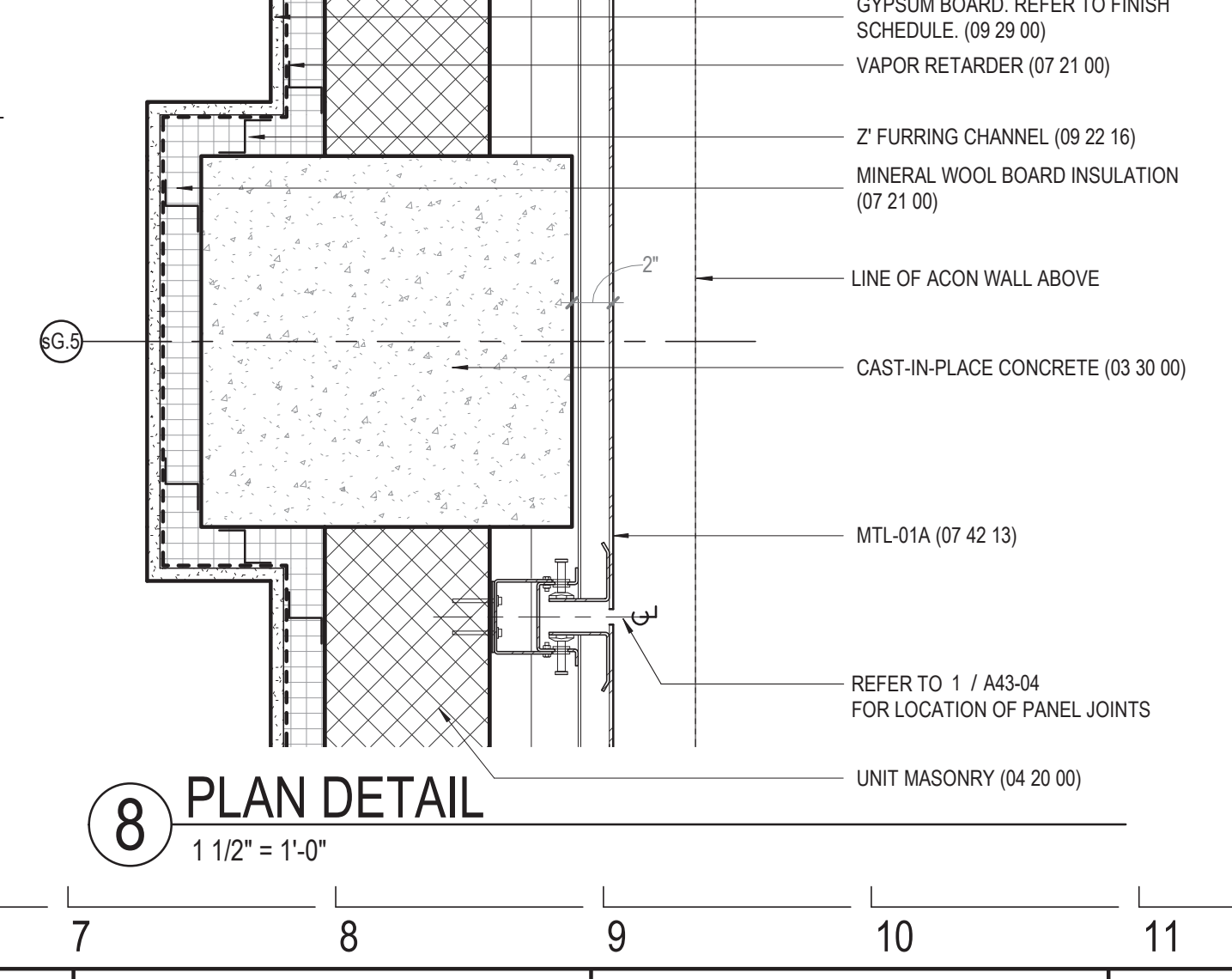
12 PLAN DETAIL AT WEST WALL
3" = 1'-0"



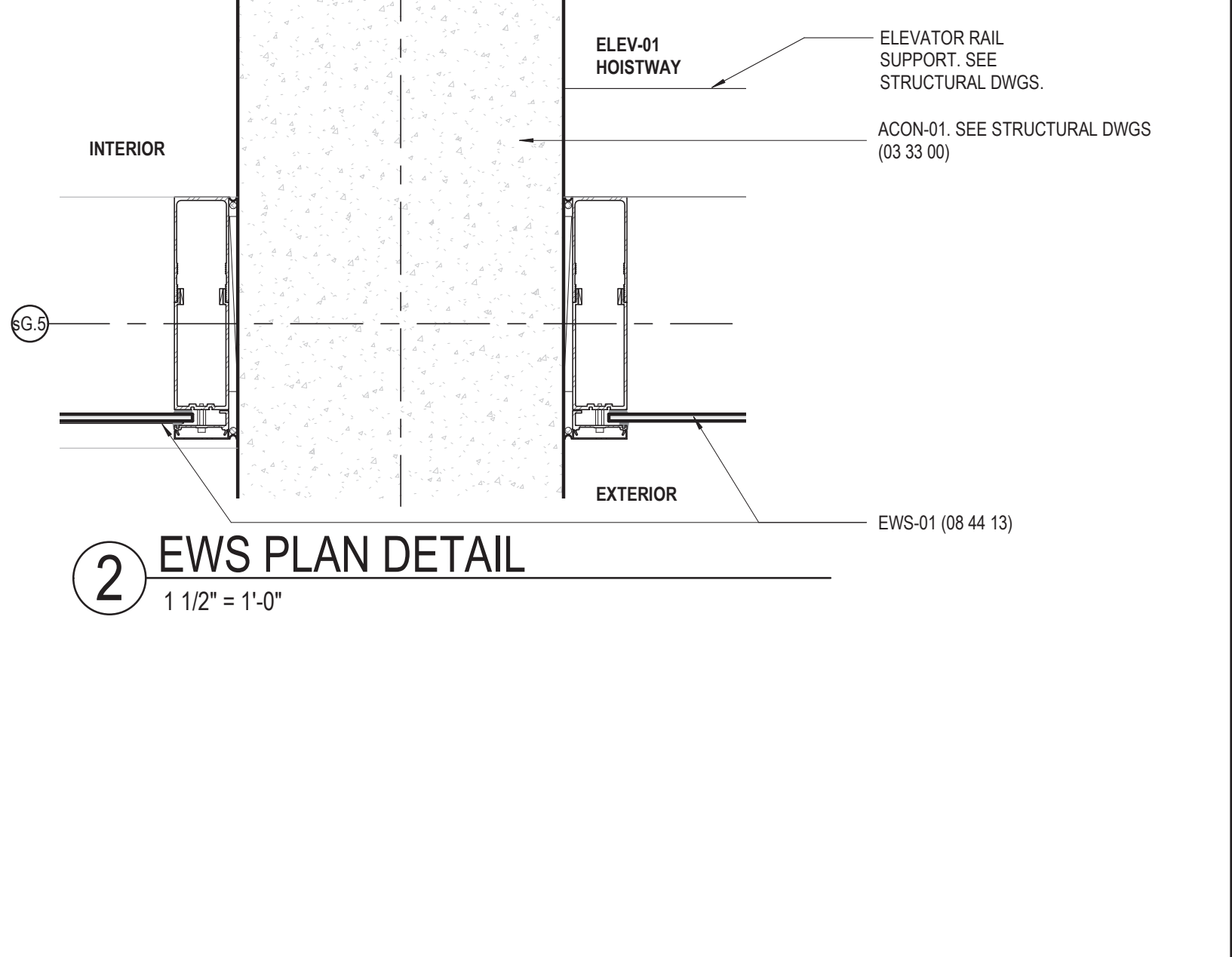
9 PLAN DETAIL
1 1/2" = 1'-0"



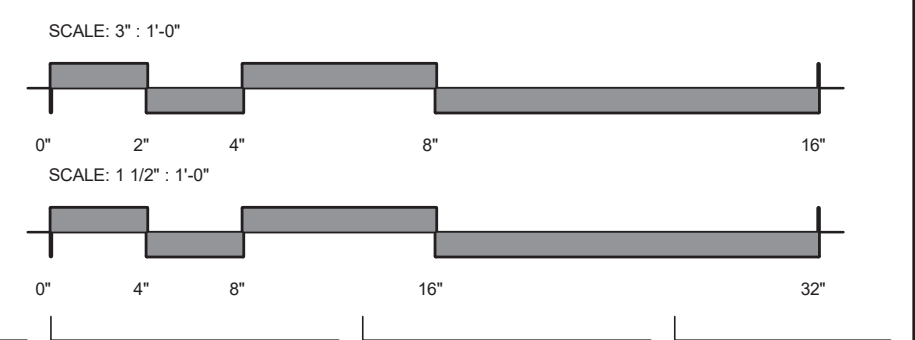
11 EWS-01 STATION WEST WALL PLAN, TYP.
3" = 1'-0"



8 PLAN DETAIL
1 1/2" = 1'-0"



2 EWS PLAN DETAIL
1 1/2" = 1'-0"



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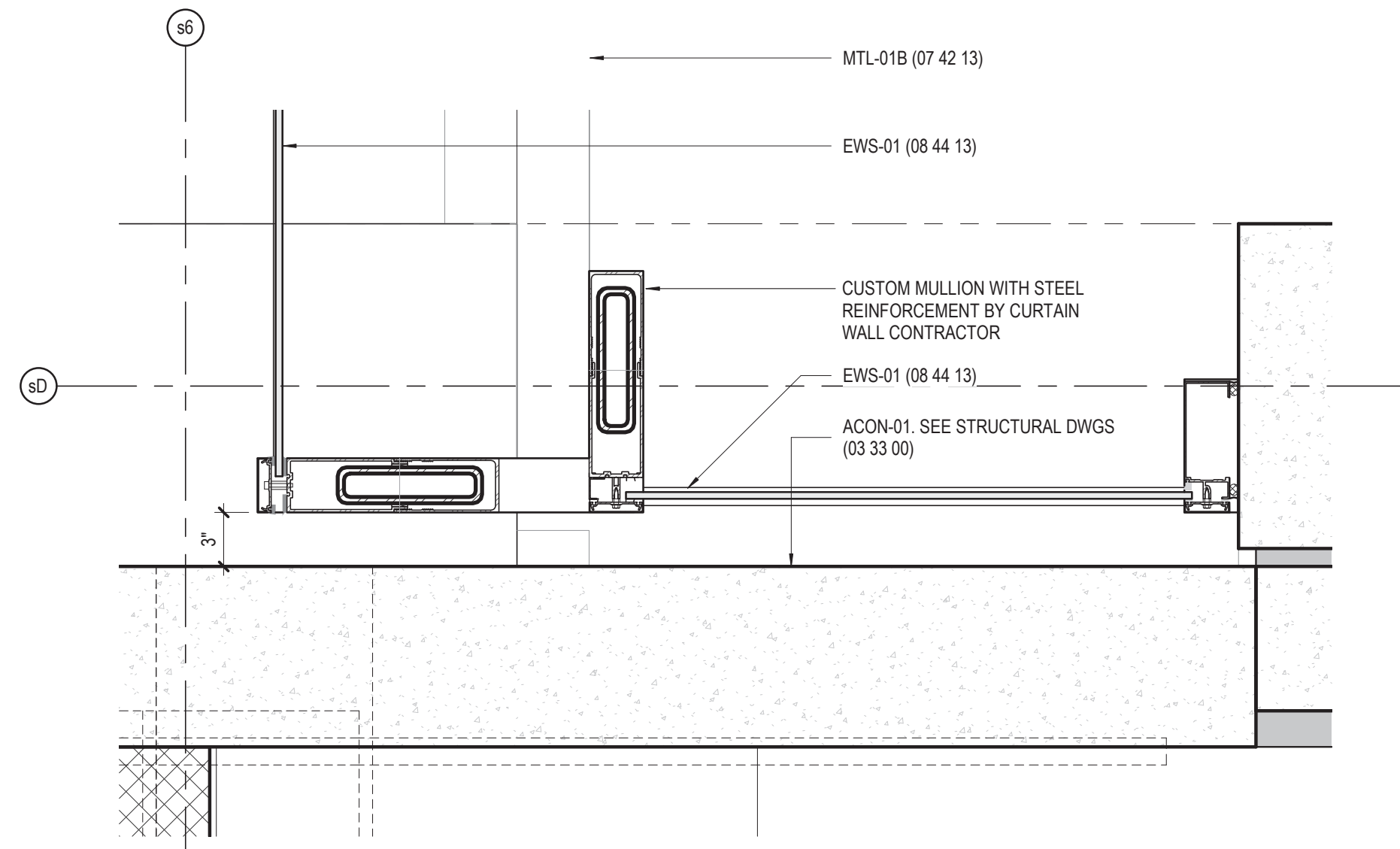
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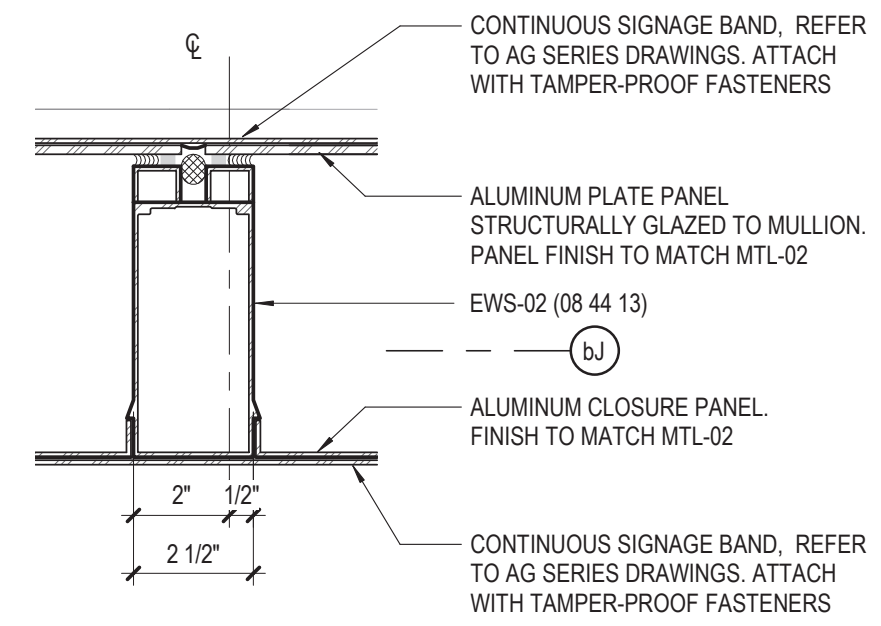
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
EXTERIOR WALL DETAILS - STATION
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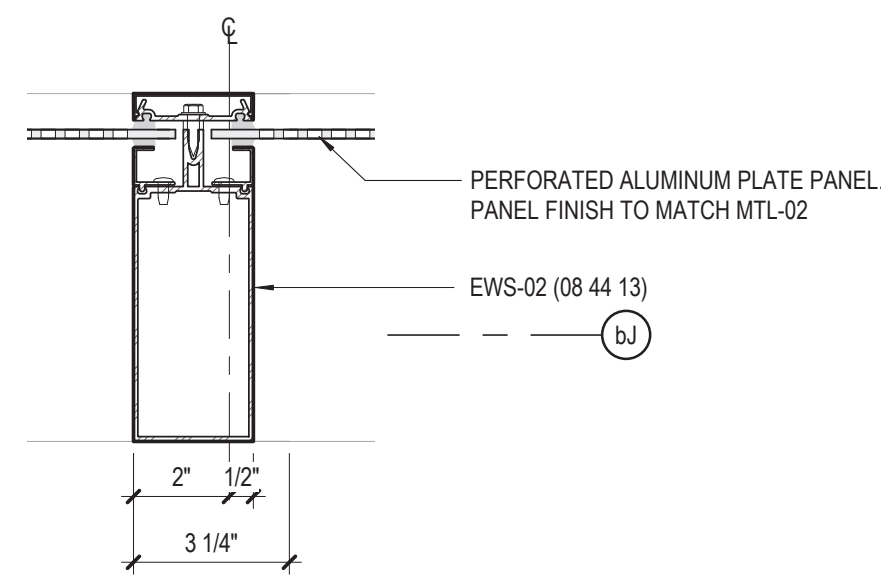
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A32-15
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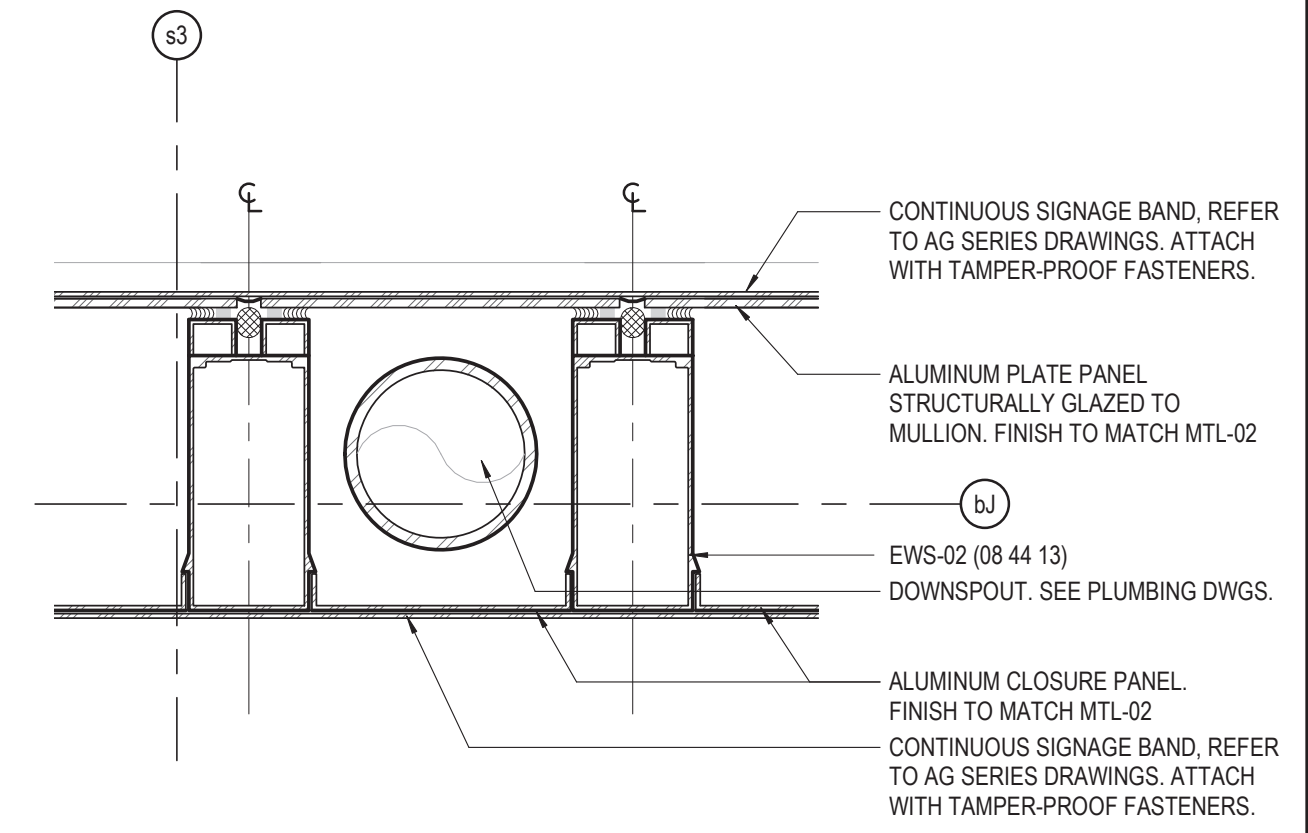
8 PLAN @ STATION SOUTH CORE NORTH
1 1/2" = 1'-0"



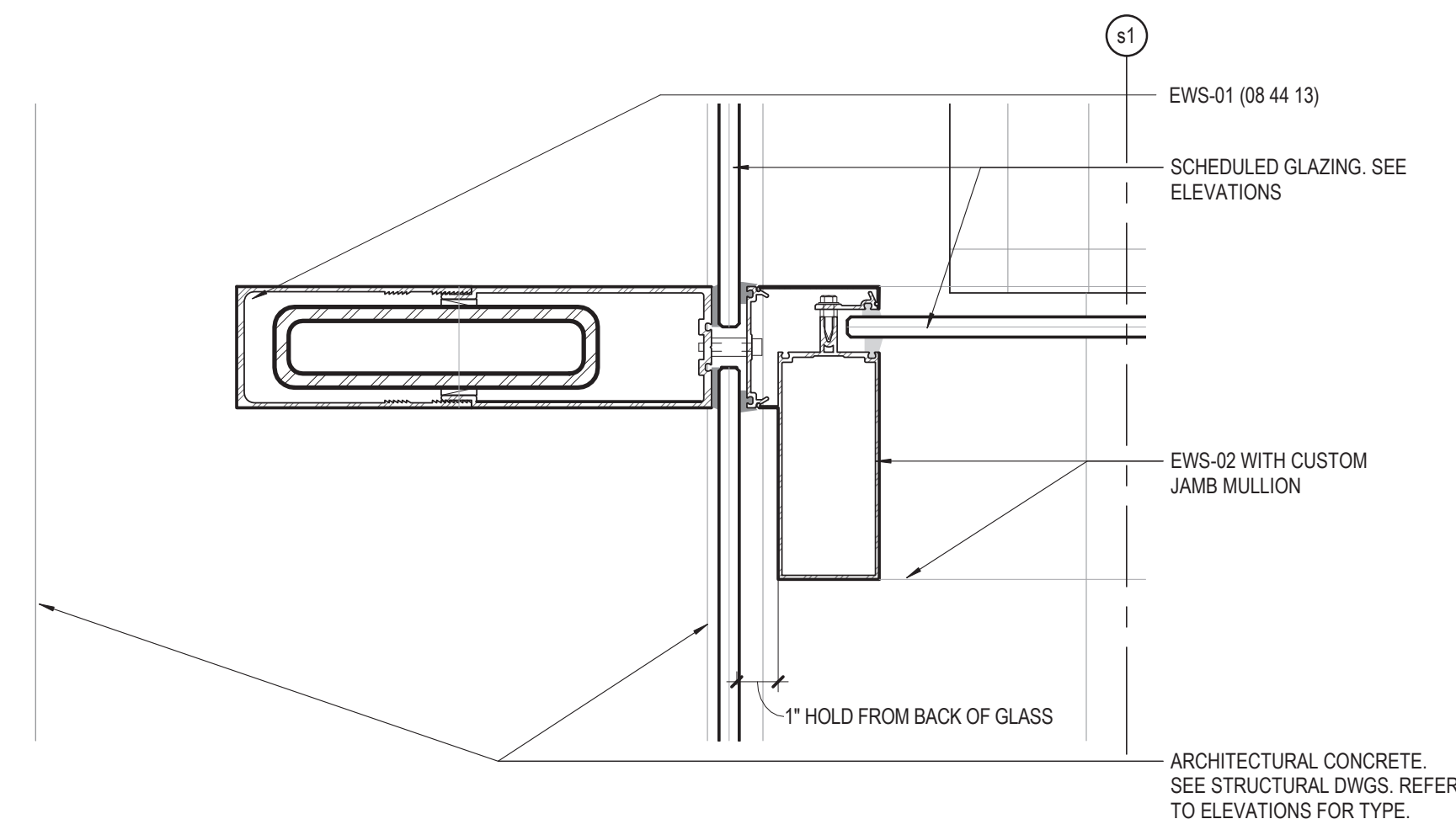
5 EWS-02 TYP PLAN DETAIL @ SIGN
3" = 1'-0"



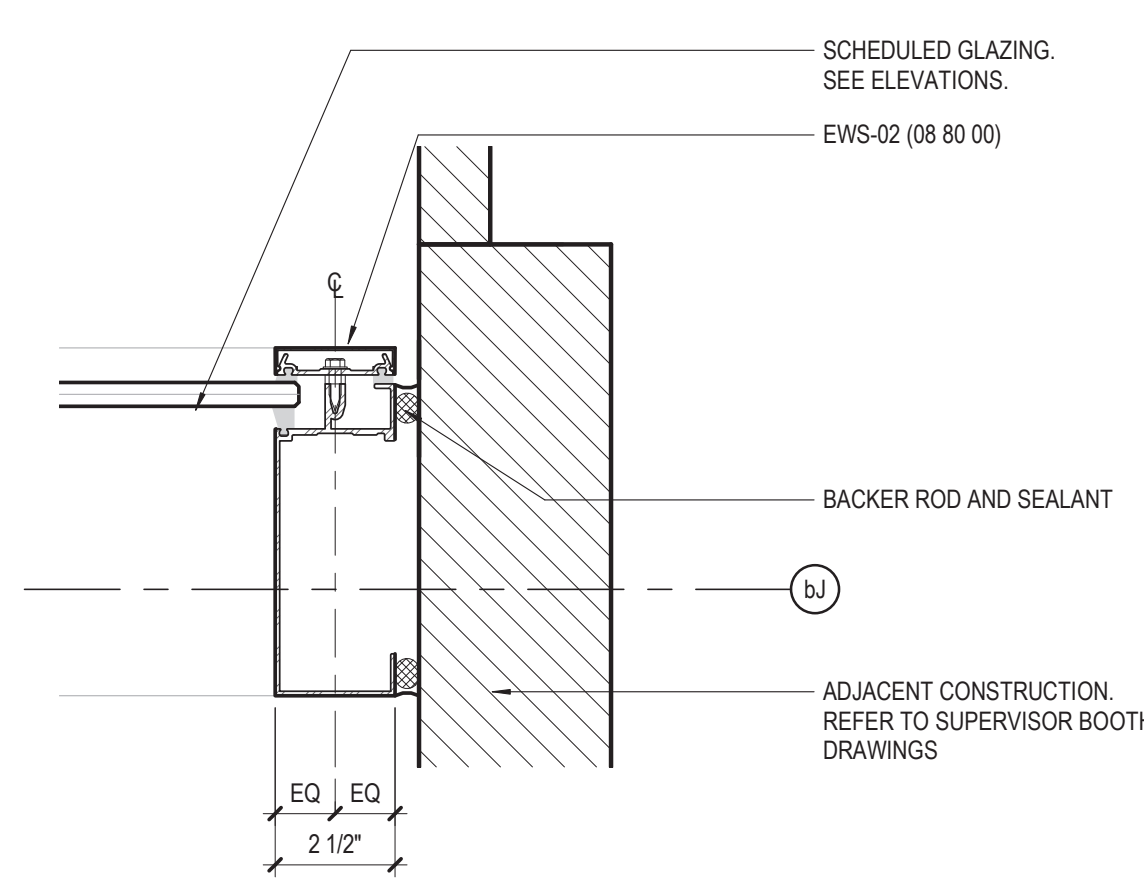
4 EWS-02 TYP PLAN DETAIL HIGH
3" = 1'-0"



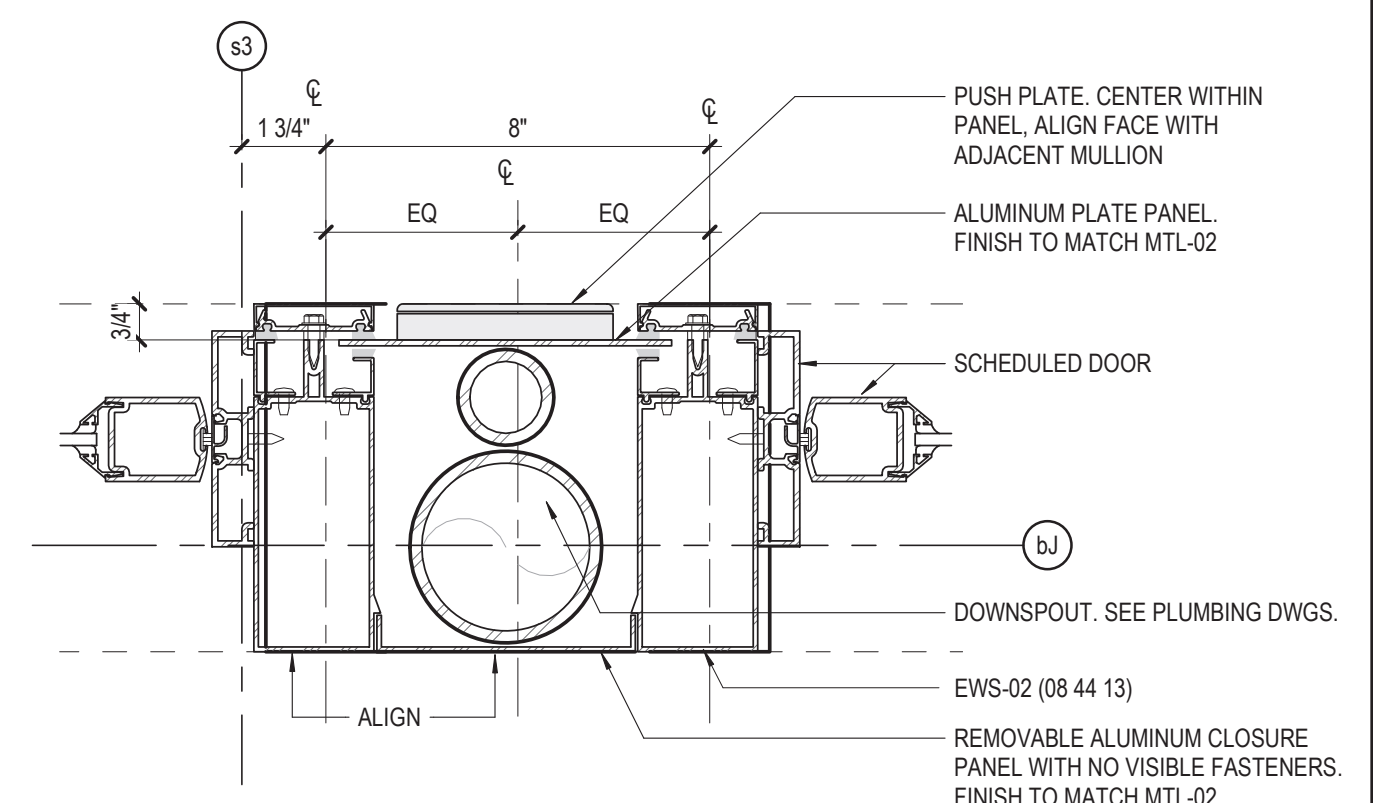
2 EWS-02 PLAN DETAIL HIGH @ SIGN
3" = 1'-0"



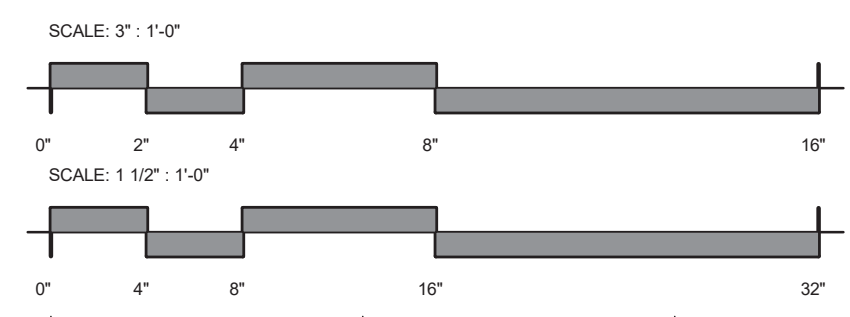
6 EWS-02 PLAN LOW @ NW CORNER
3" = 1'-0"



3 EWS-02 PLAN DETAIL LOW
3" = 1'-0"



1 EWS-02 PLAN DETAIL @ DOORS
3" = 1'-0"



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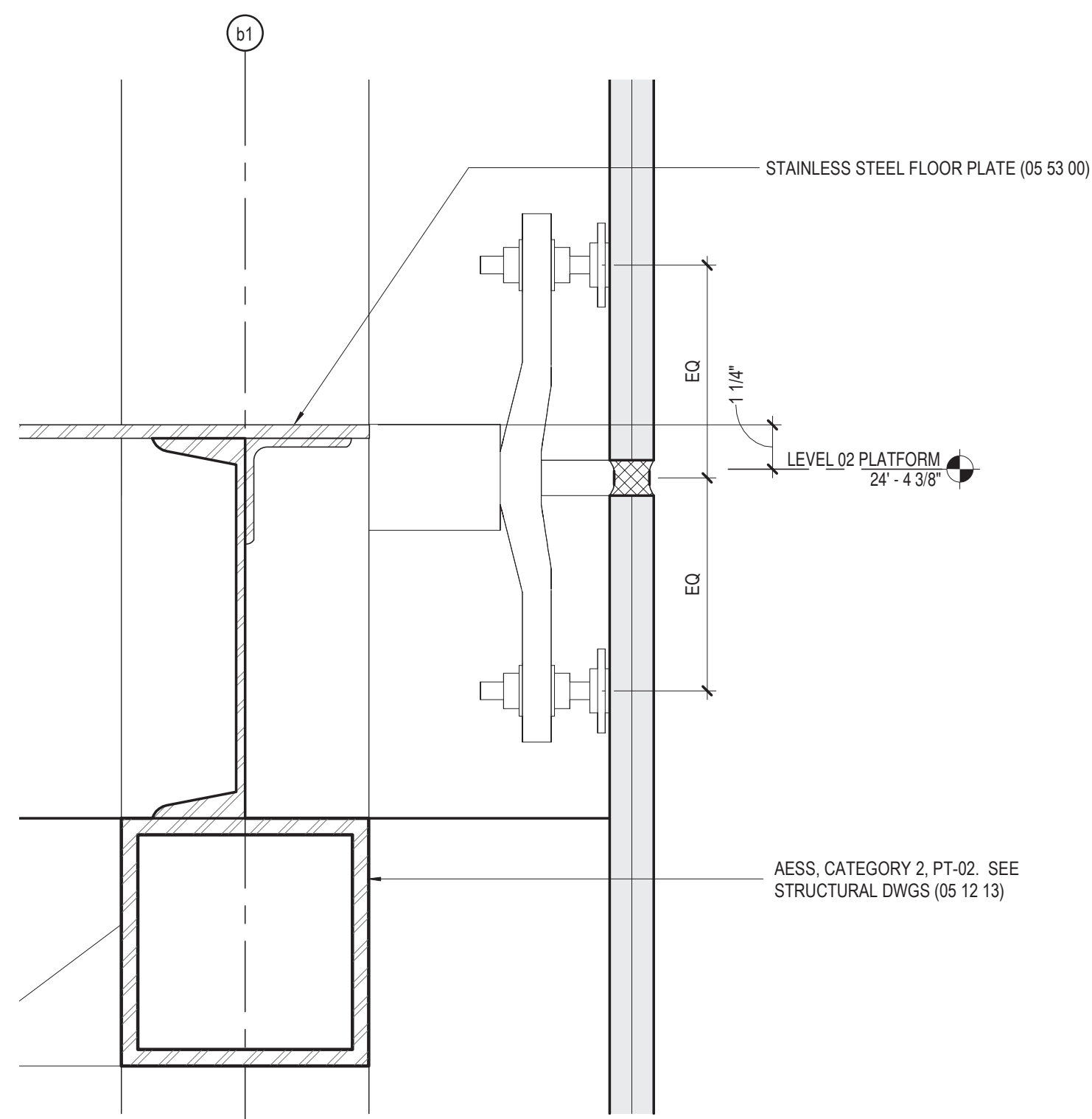
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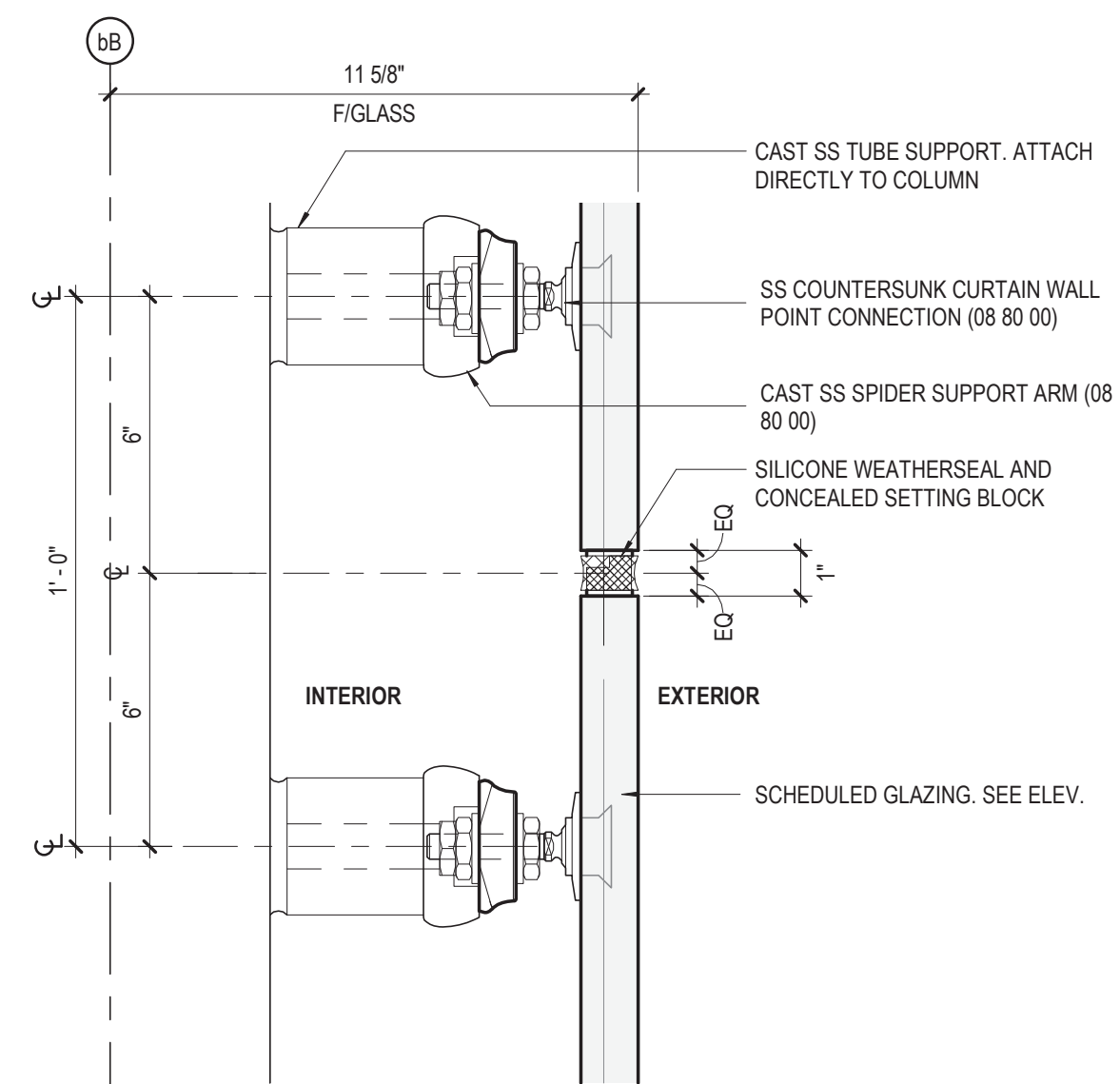
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
EXTERIOR WALL PLAN DETAILS - STATION		DRAWING NO. A32-16
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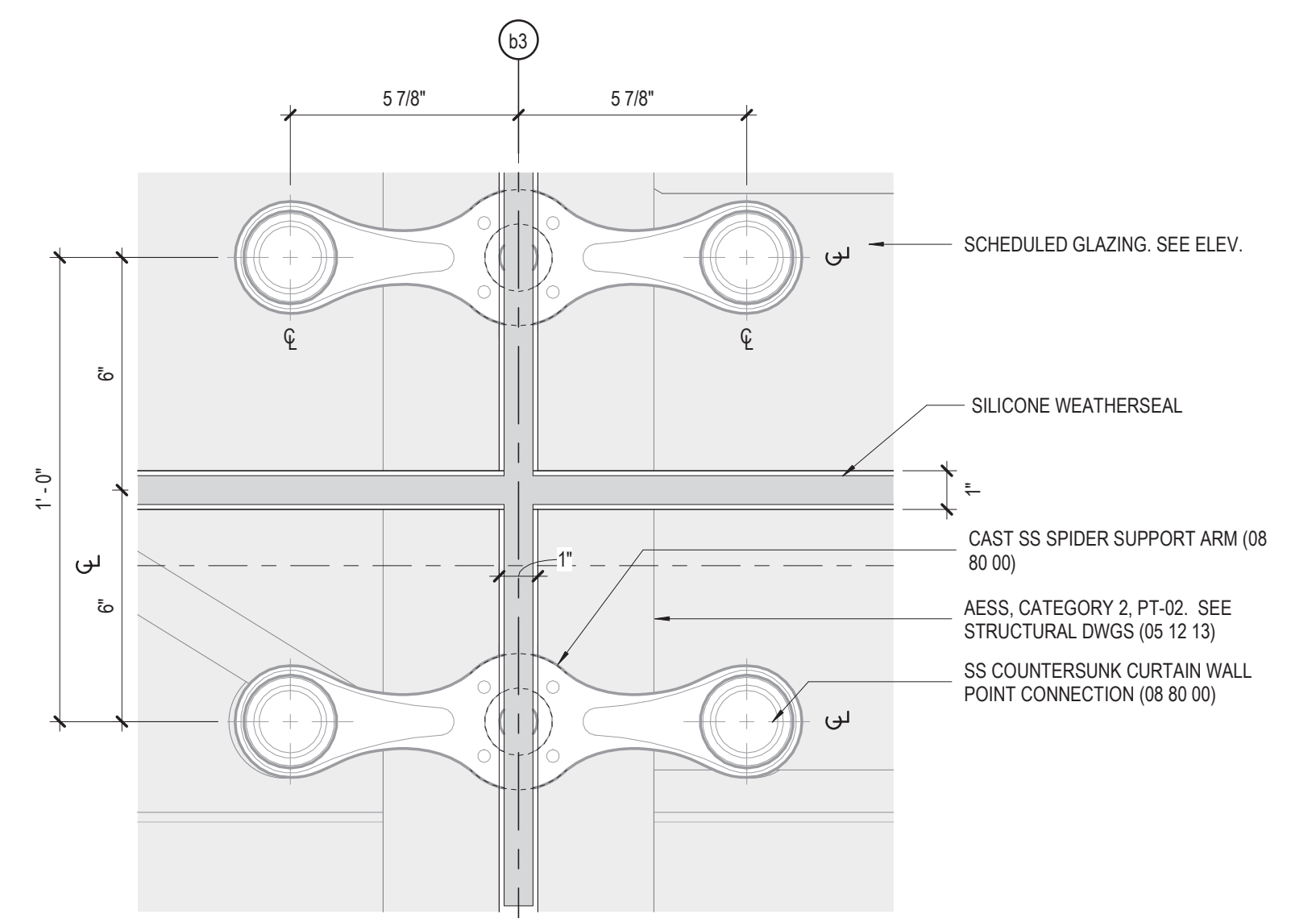
3 EWS-03A DETAIL
3" = 1'-0"



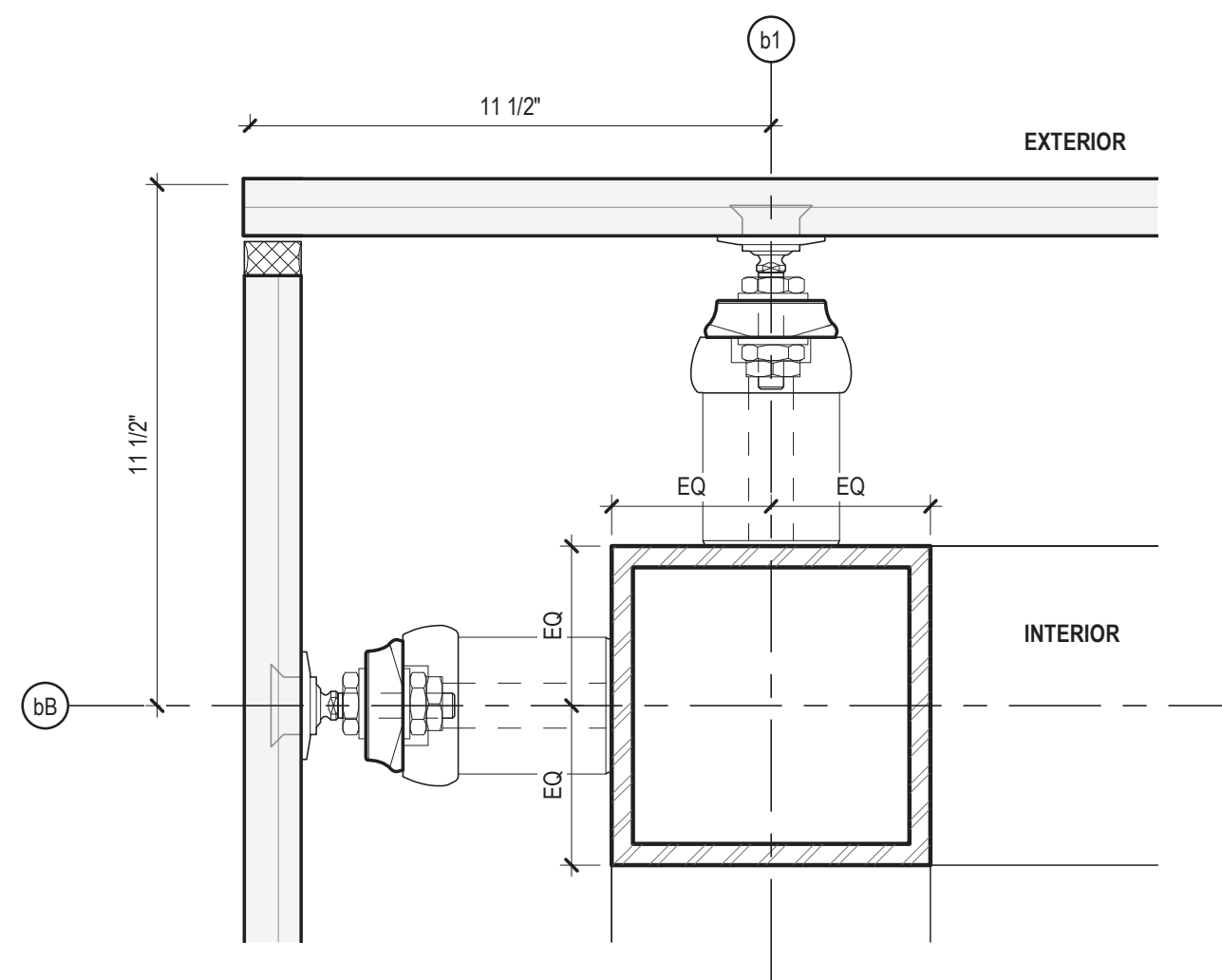
5 EWS-03A SECTION, TYP
3" = 1'-0"



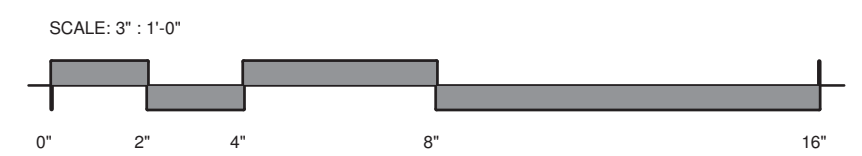
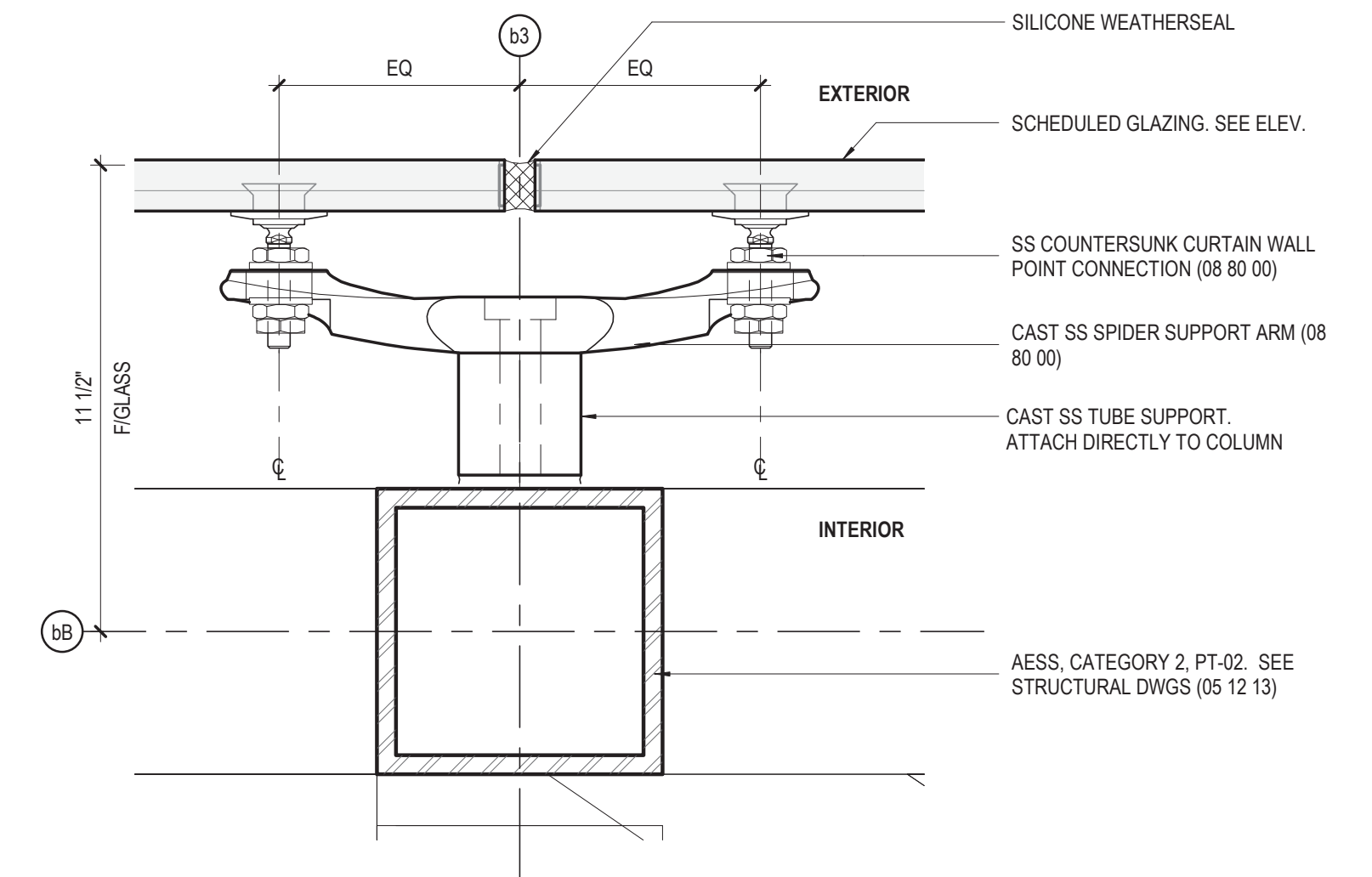
4 EWS-03A ELEVATION, TYP
3" = 1'-0"



2 EWS-03A PLAN DETAIL
3" = 1'-0"



1 EWS-03A PLAN, TYP
3" = 1'-0"



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

EXTERIOR WALL SECTION DETAILS - NORTH TOWER

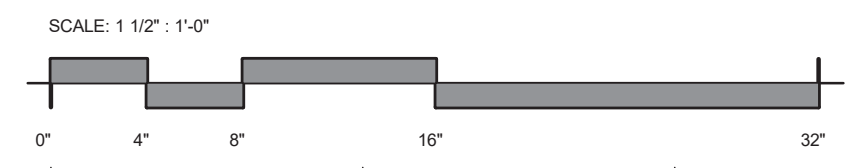
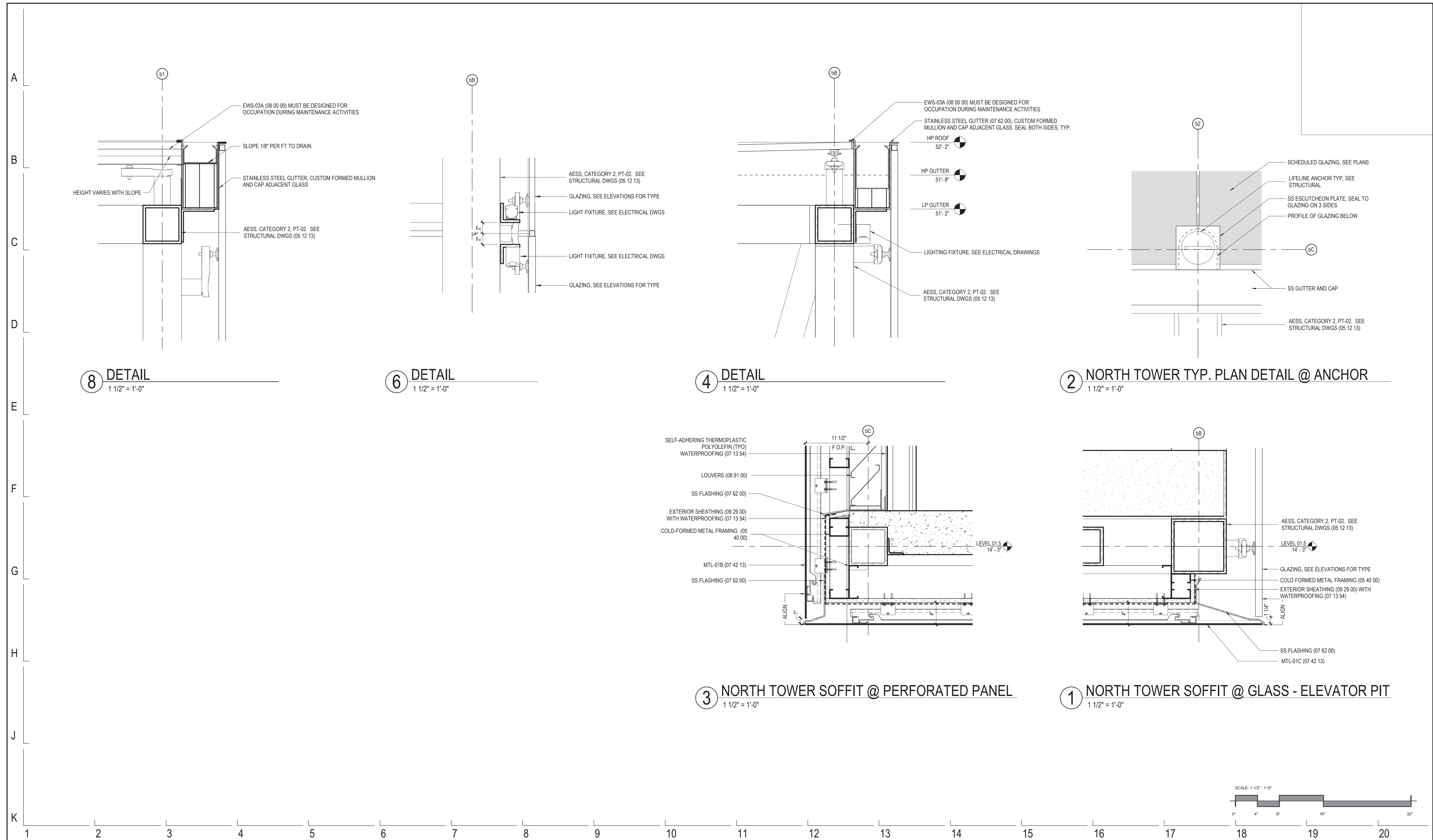
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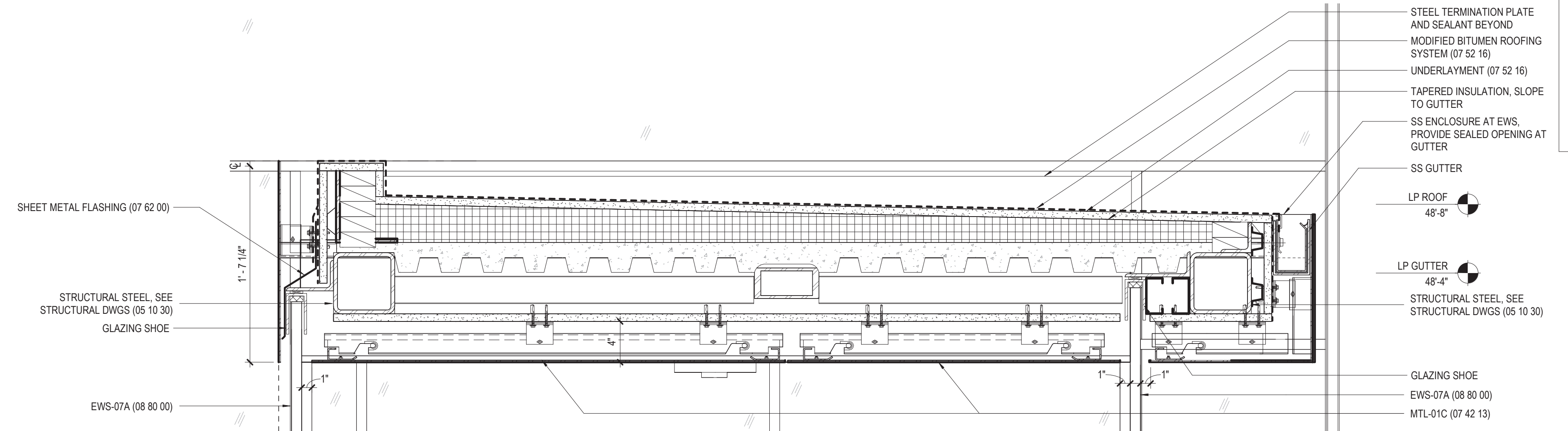
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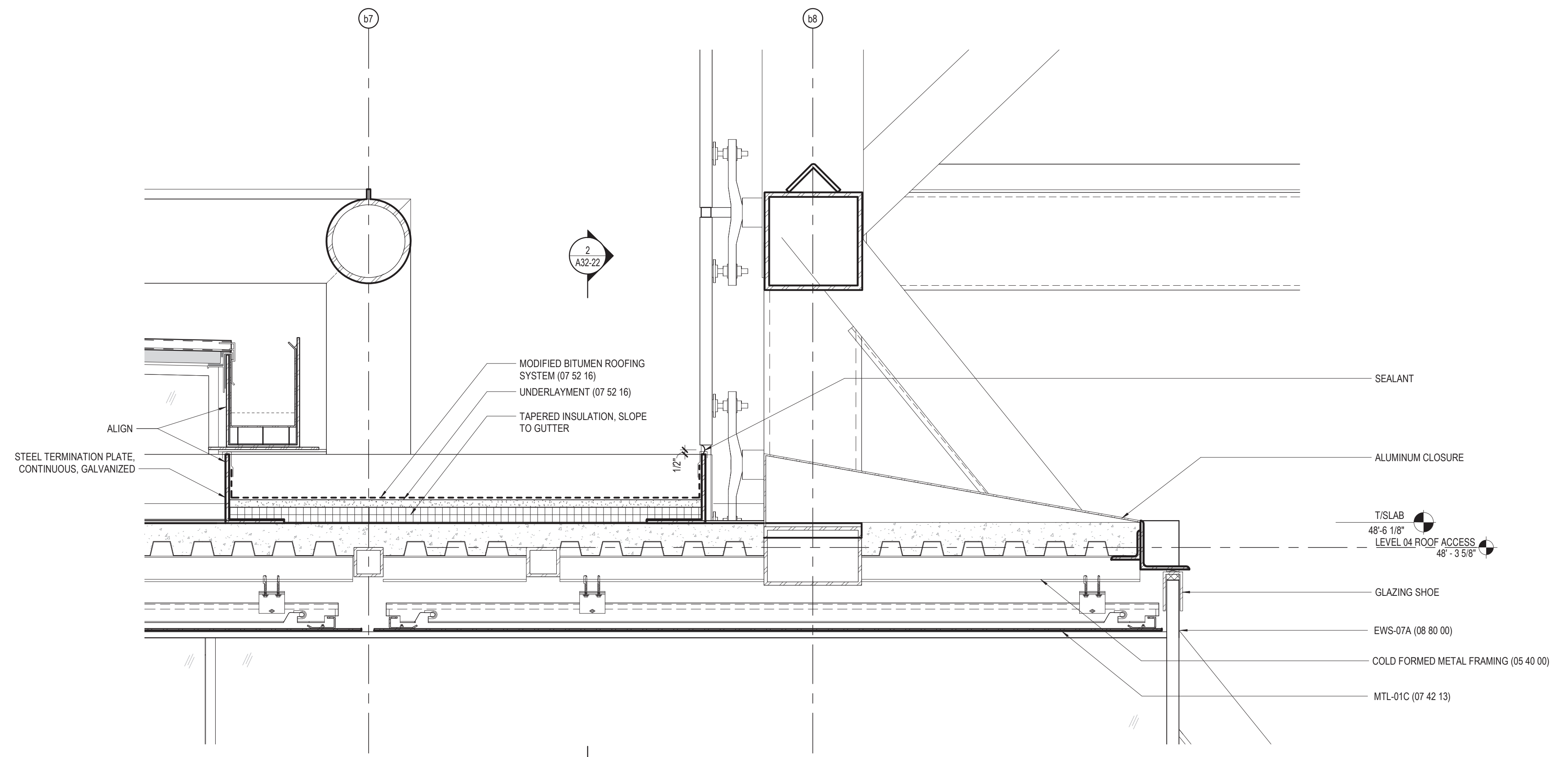
154 N DAMEN AVE - DAMEN GREEN LINE STATION
EXTERIOR WALL SECTION DETAILS - NORTH TOWER
 CDOT PROJECT D-7-135 DATE: 01/27/2020

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DRAWING NO. A32-21
REVISION NO.

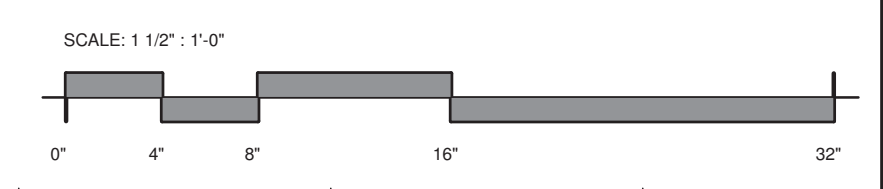
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2 SECTION DETAIL - NORTH ROOF LEVEL 03
1 1/2" = 1'-0"



1 SECTION DETAIL - NORTH ROOF LEVEL 03
1 1/2" = 1'-0"



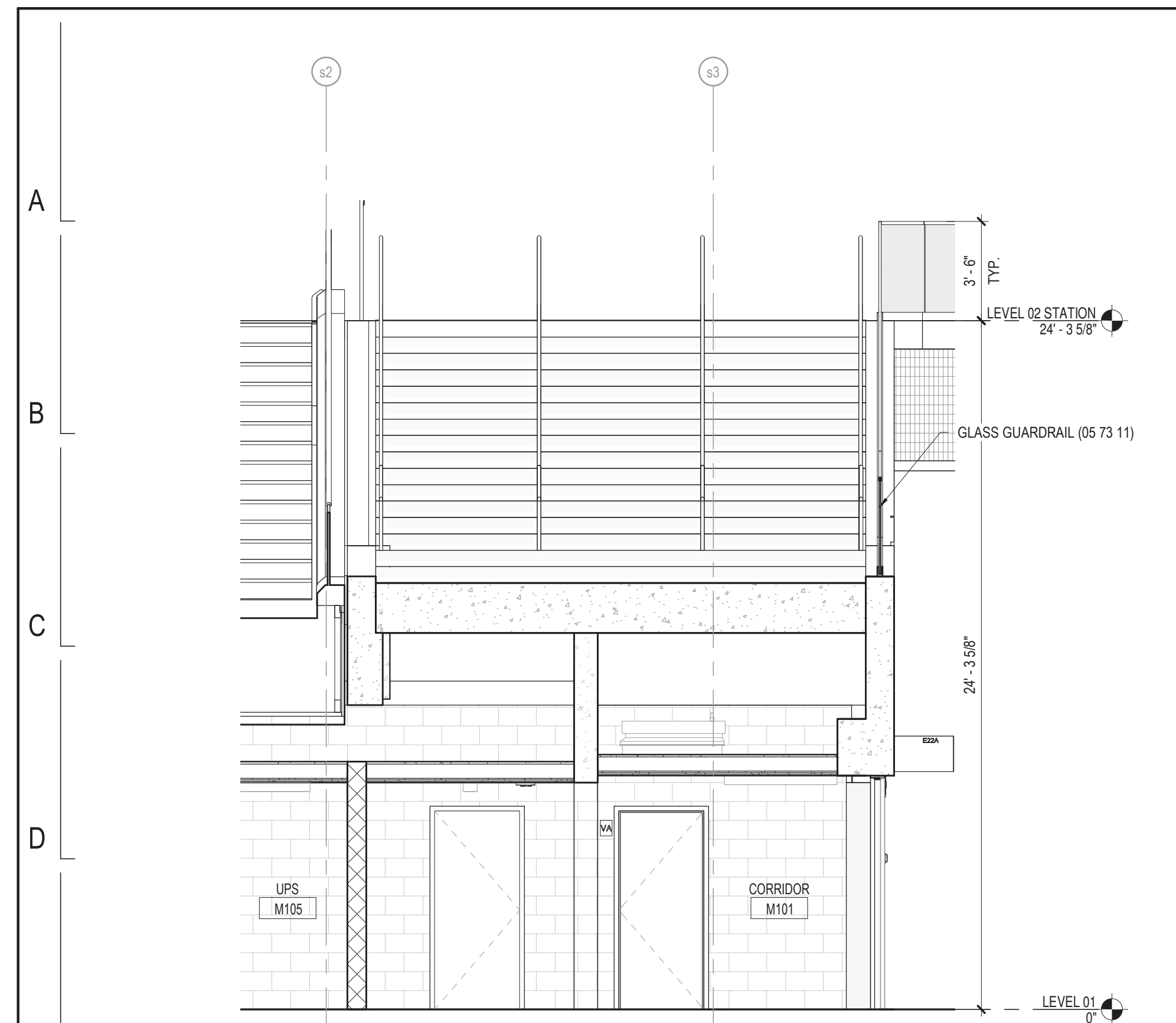
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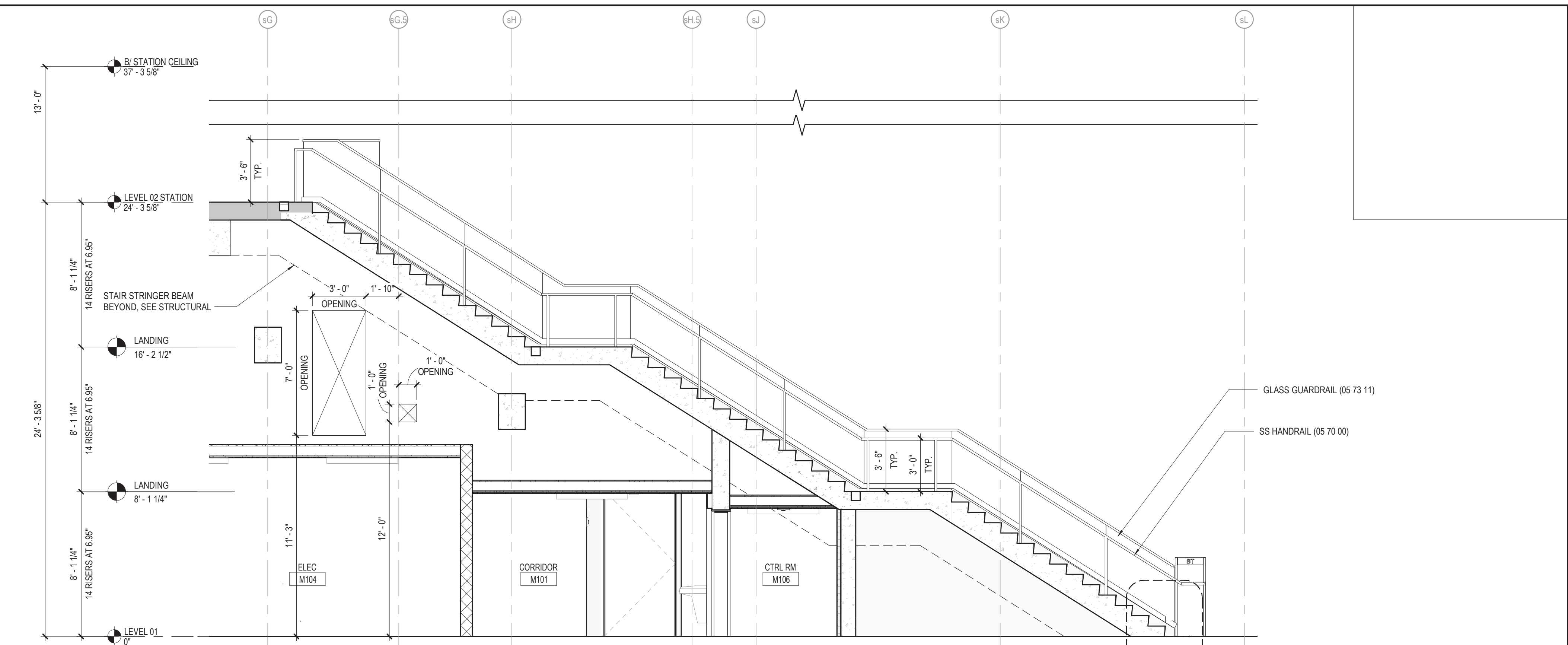
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
EXTERIOR WALL SECTION DETAILS - NORTH TOWER
CDOT PROJECT D-7-135 DATE: 01/27/2020

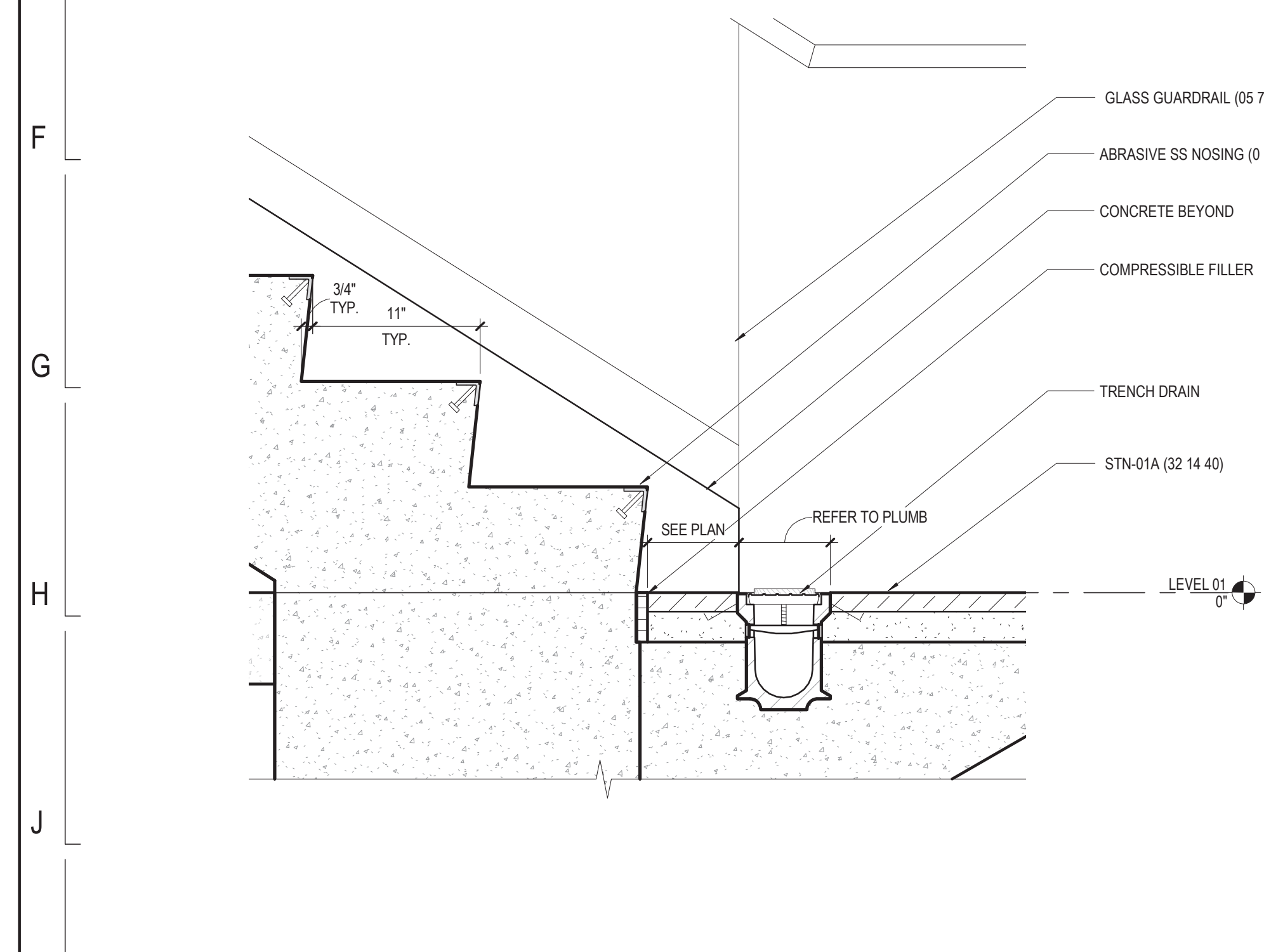
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DRAWING NO. **A32-22**
REVISION NO.



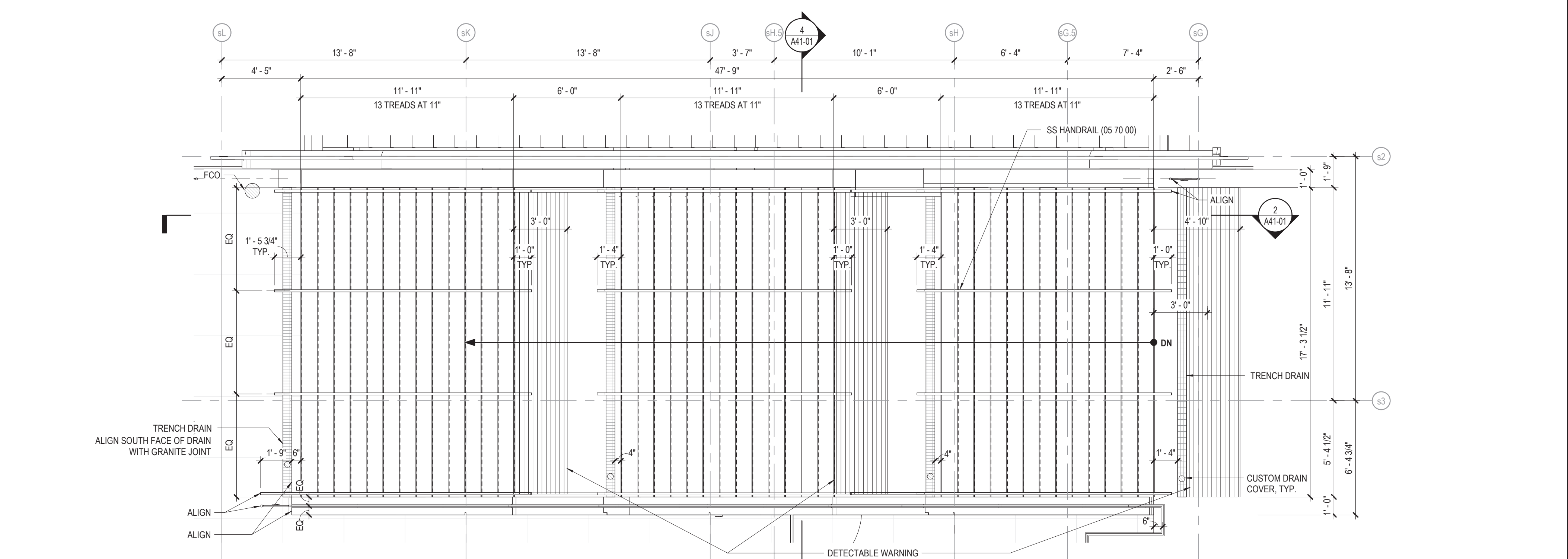
4 STATION STAIR SECTION
1/4" = 1'-0"



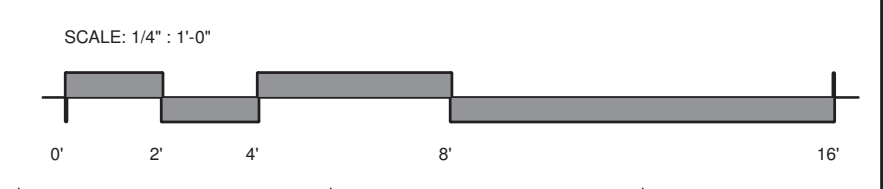
2 STATION STAIR SECTION
1/4" = 1'-0"



3 STATION STAIR DETAIL
1 1/2" = 1'-0"



1 STATION STAIR PLAN
1/4" = 1'-0"



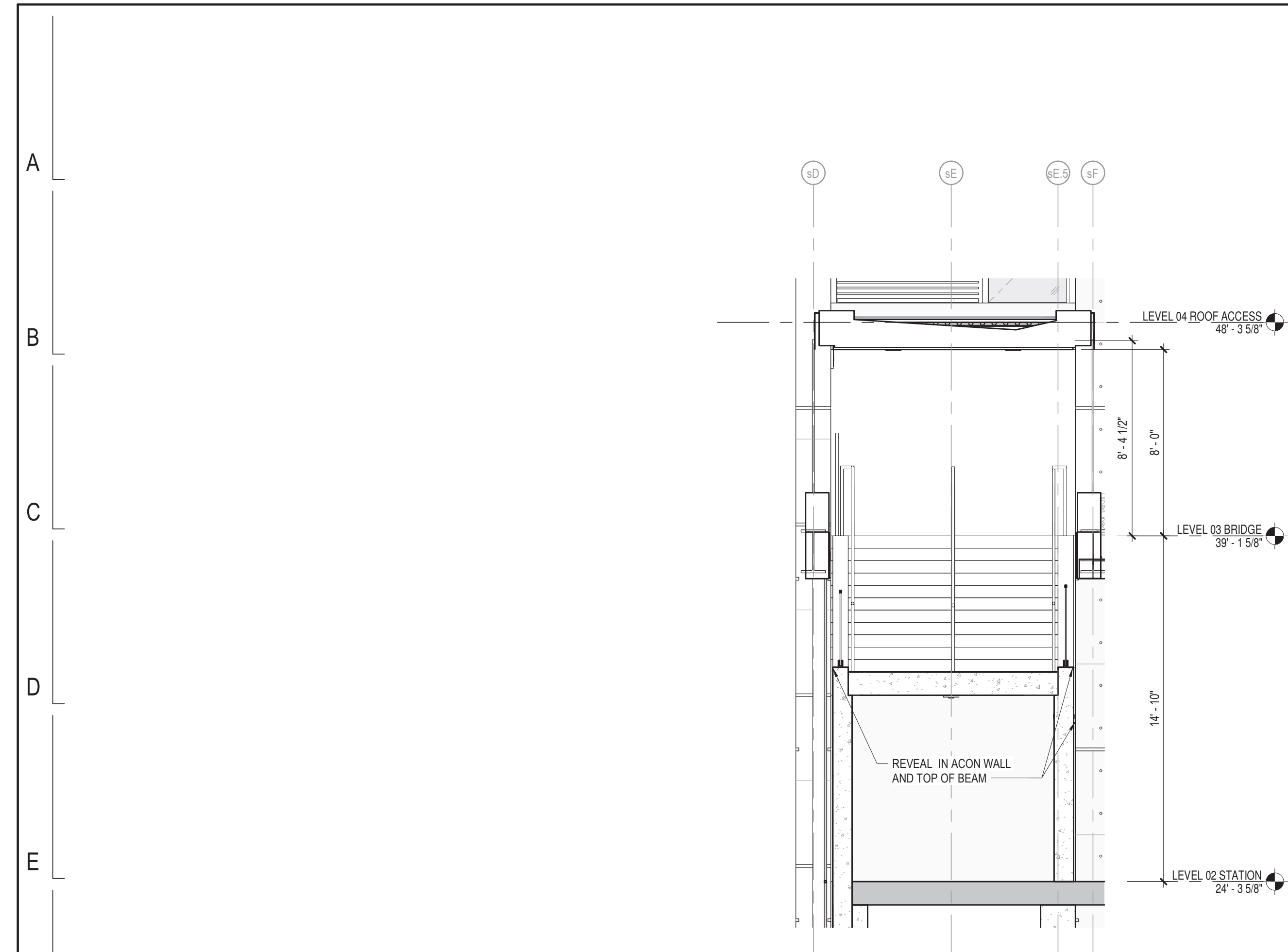
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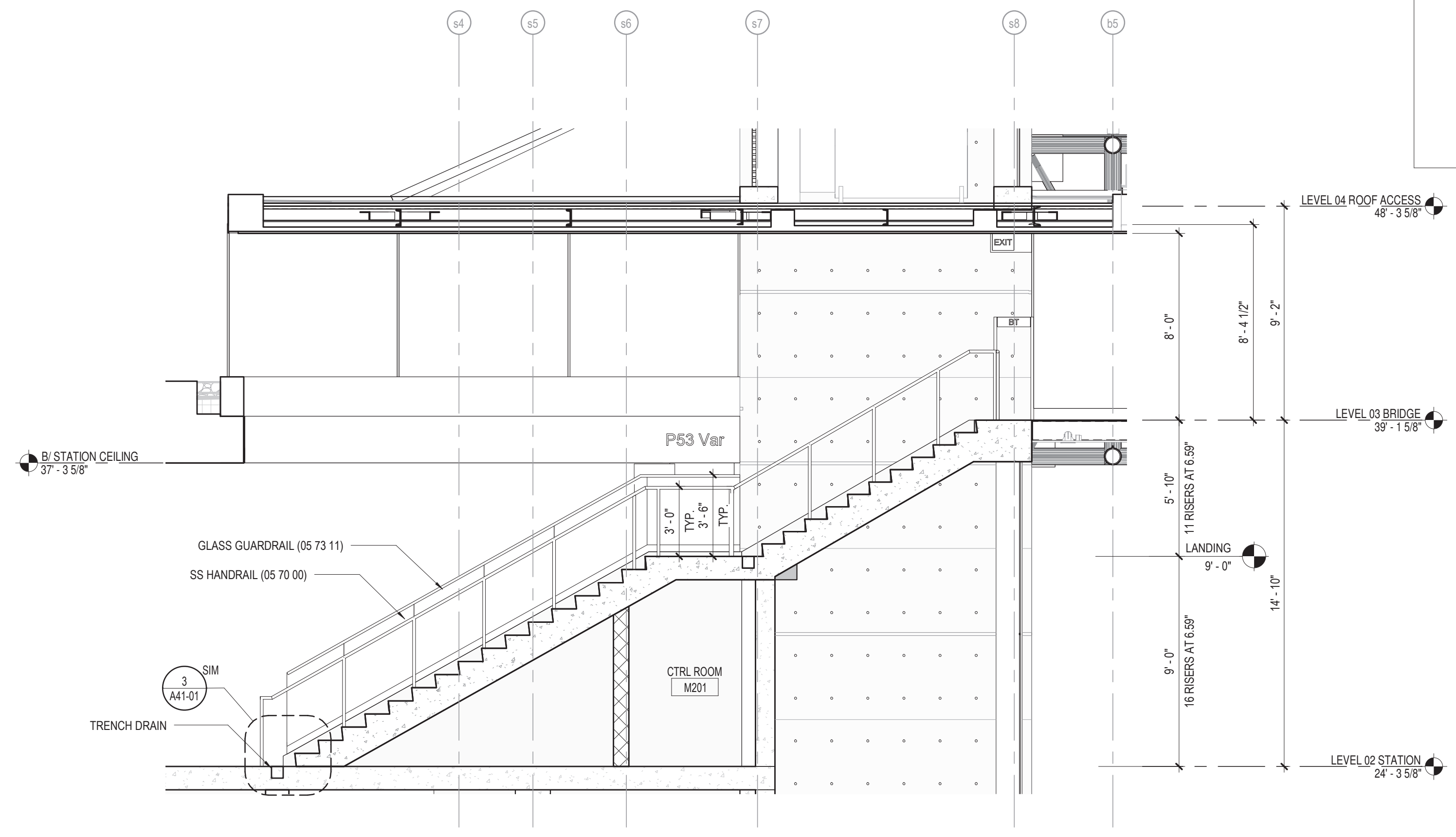
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
ENLARGED STAIR PLANS & SECTIONS - STATION
CDOT PROJECT D-7-135 DATE: 01/27/2020

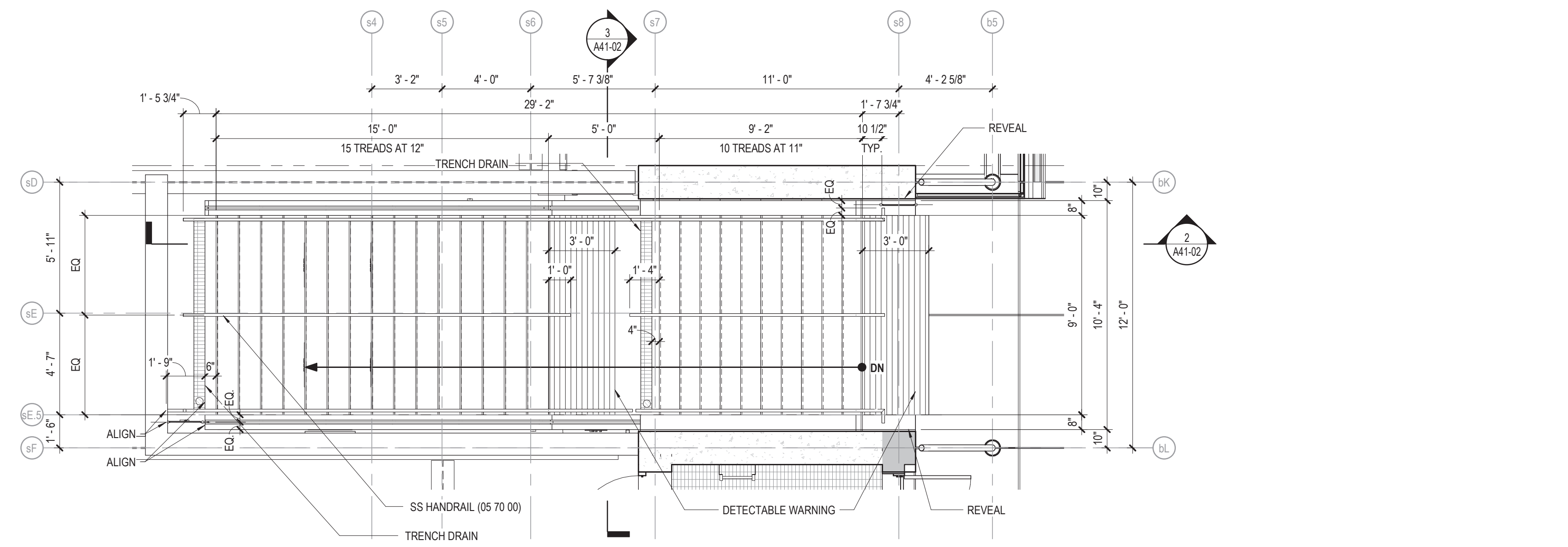
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REVISION NO.	



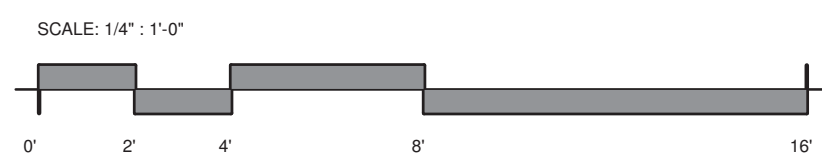
3 SOUTH BRIDGE STAIR SECTION
1/4" = 1'-0"



2 SOUTH BRIDGE STAIR SECTION
1/4" = 1'-0"



1 SOUTH BRIDGE STAIR PLAN
1/4" = 1'-0"



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

ENLARGED STAIR PLANS & SECTIONS - STATION

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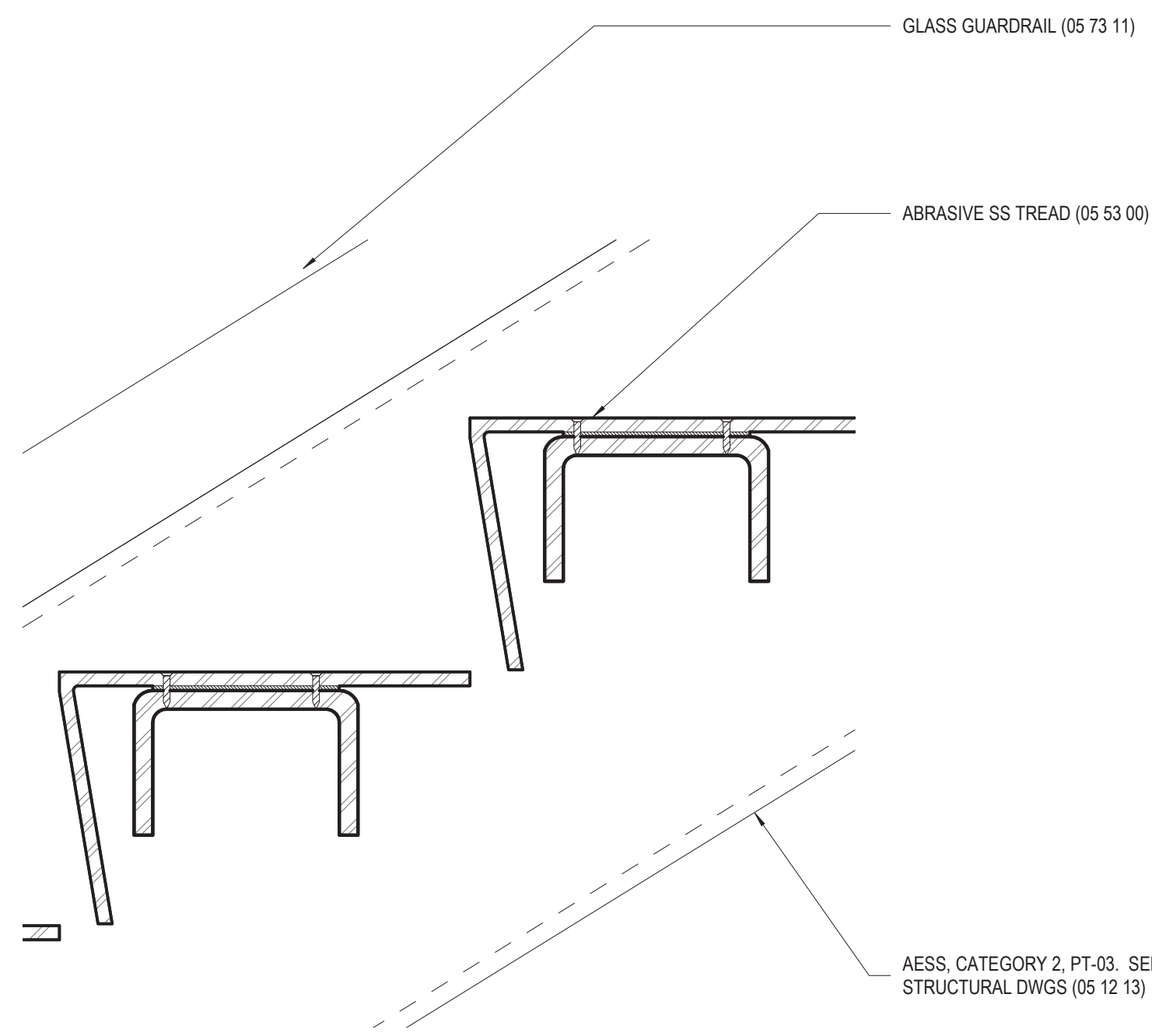
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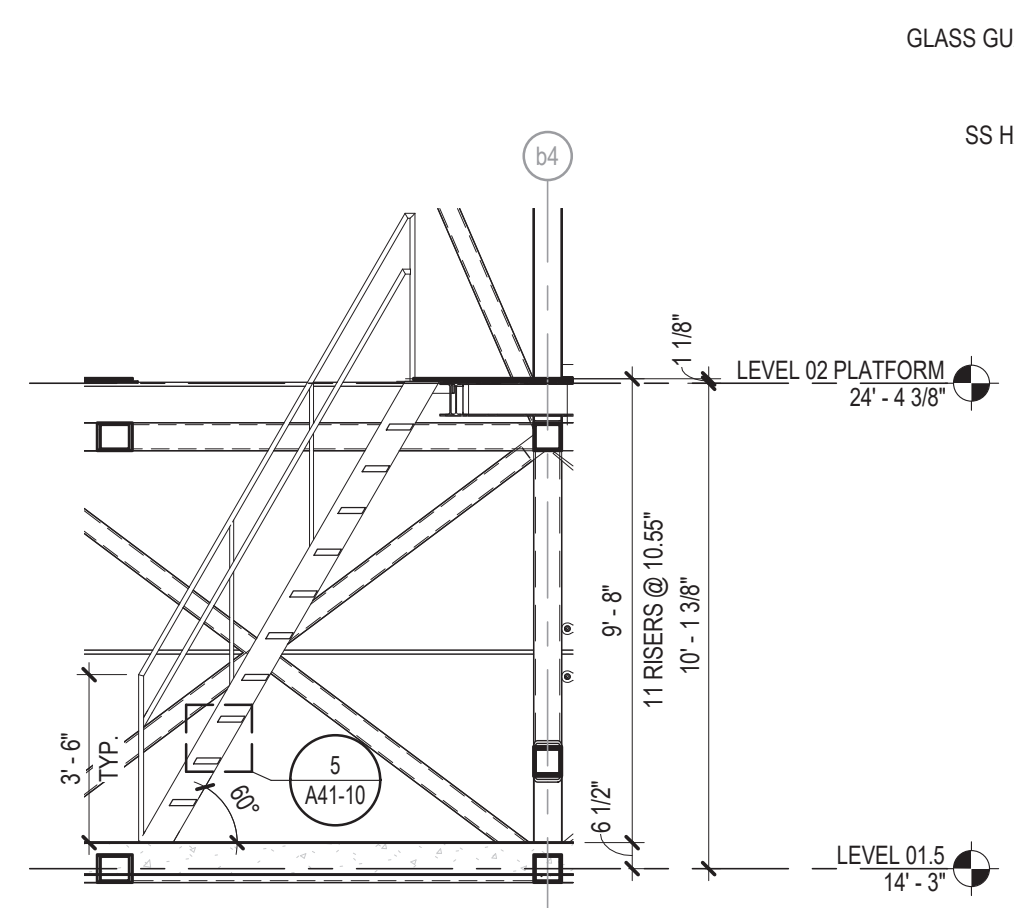
A41-02

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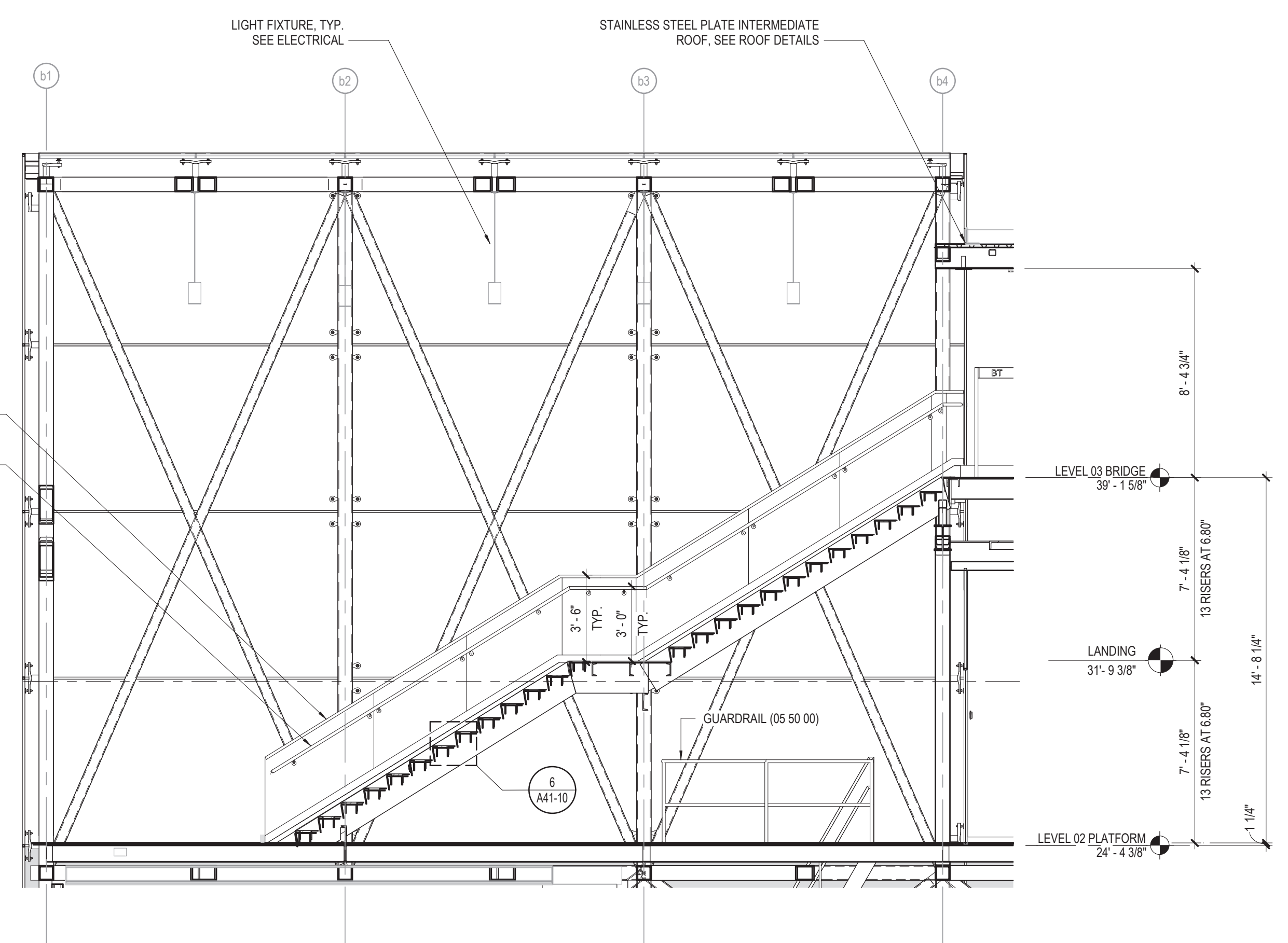
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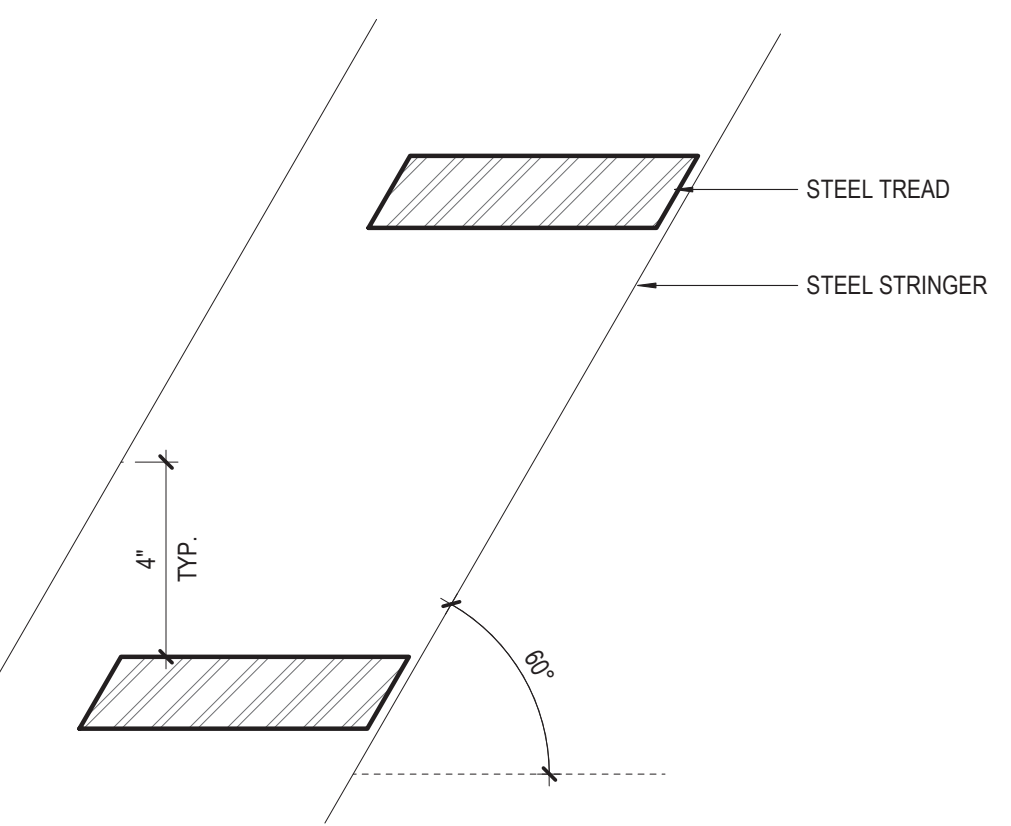
6 NORTH TOWER STAIR DETAIL
3" = 1'-0"



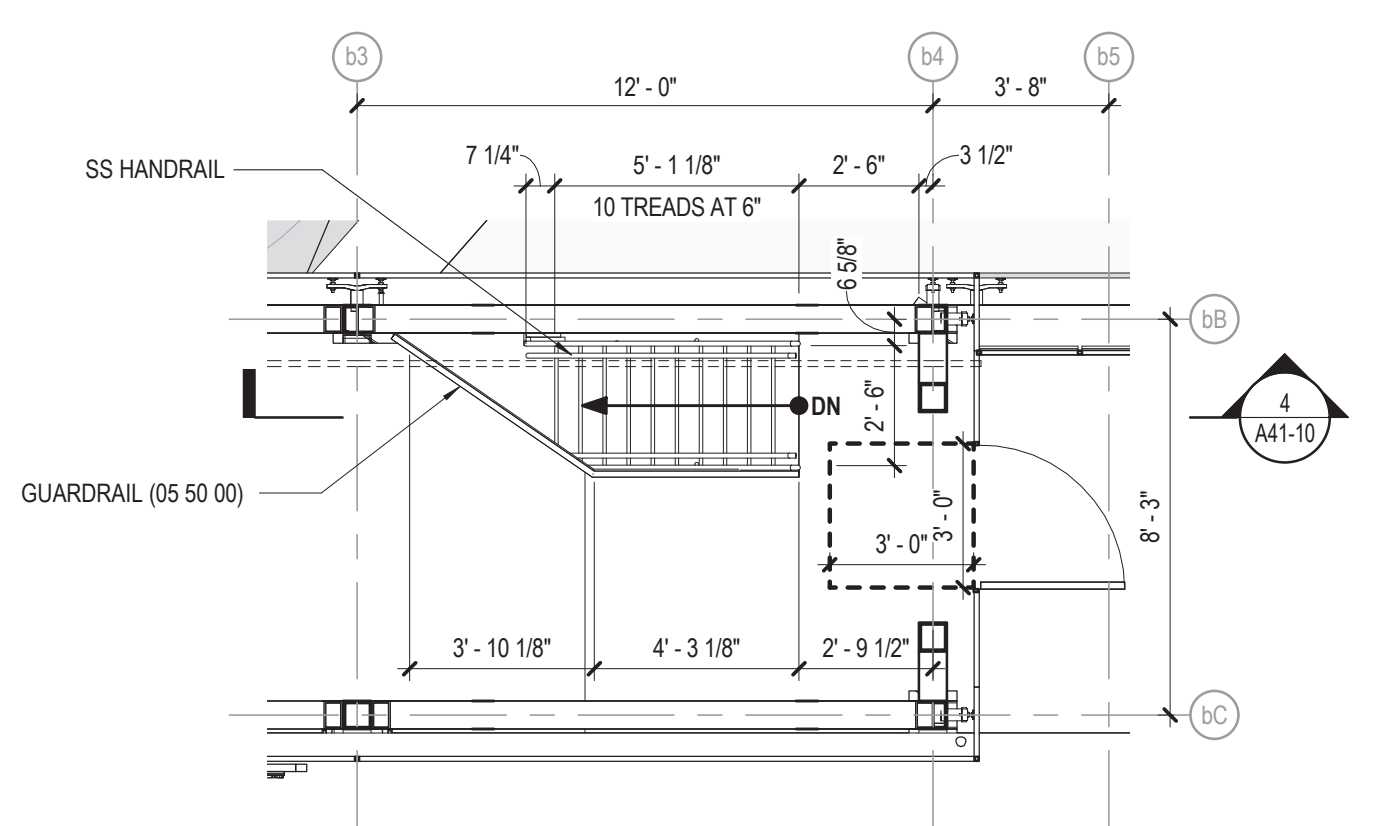
4 NORTH TOWER L1.5 STAIR SECTION
1/4" = 1'-0"



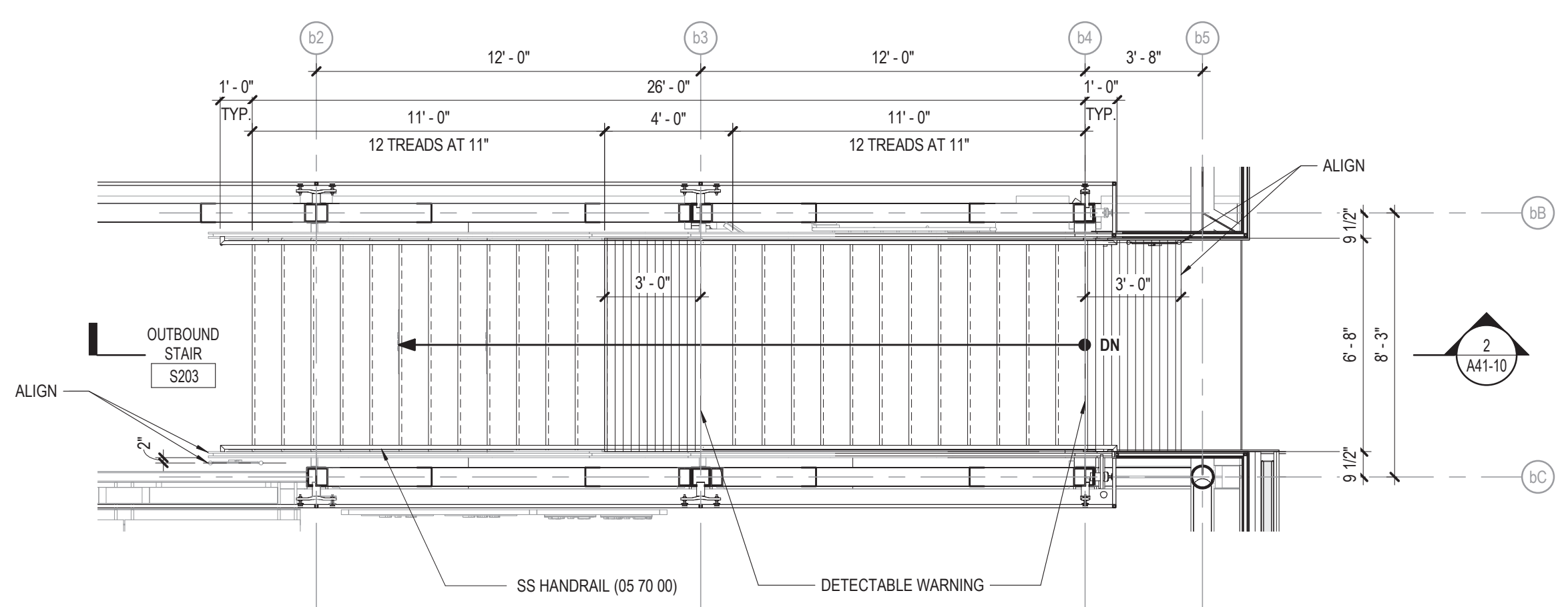
2 NORTH TOWER STAIR SECTION
1/4" = 1'-0"



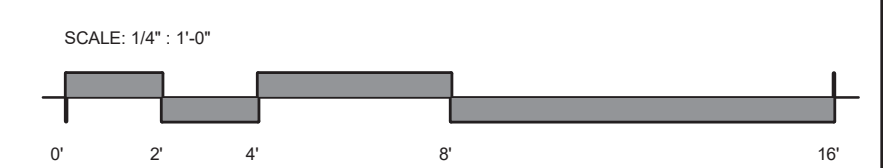
5 NORTH TOWER L1.5 STAIR DETAIL
3" = 1'-0"



3 NORTH TOWER L1.5 STAIR PLAN
1/4" = 1'-0"



1 NORTH TOWER STAIR PLAN
1/4" = 1'-0"



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CDOT/APPROVED BY:	NO.	DATE	REVISIONS	DES.	DRW.	CHK.	DCCO	CDOT	

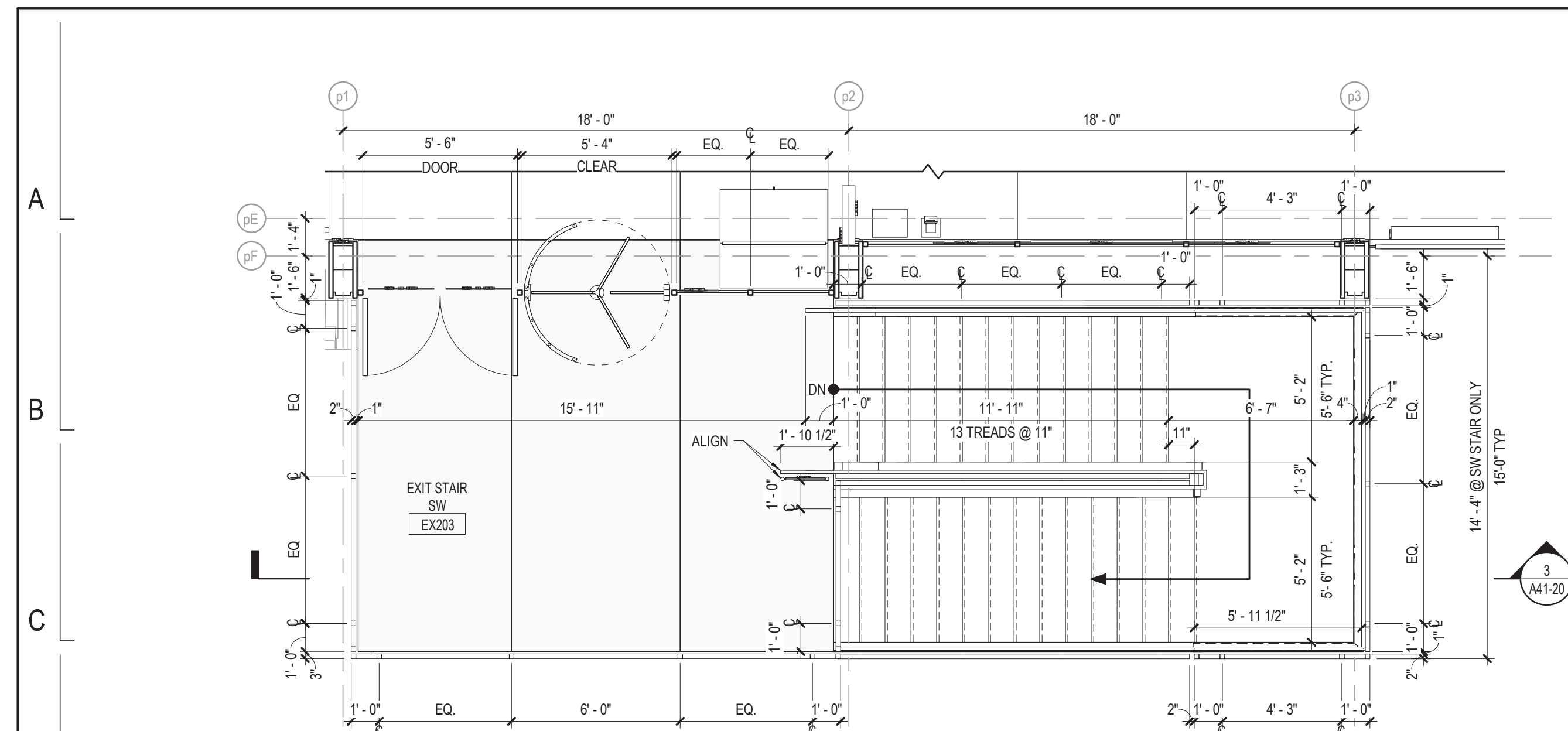
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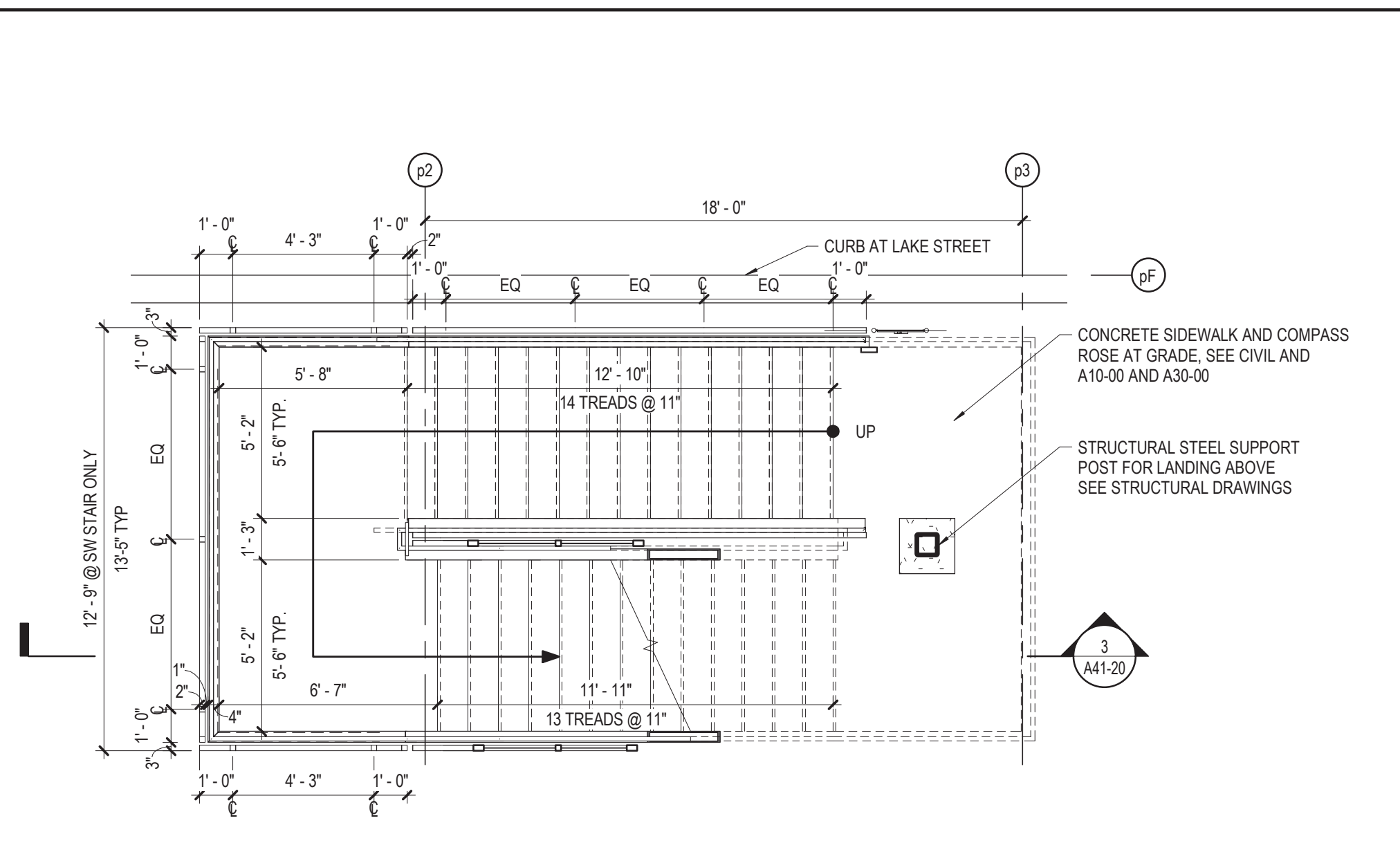
154 N DAMEN AVE - DAMEN GREEN LINE STATION
ENLARGED STAIR PLANS & SECTIONS - NORTH TOWER
CDOT PROJECT D-7-135

SPEC. NO.
DRAWING NO.
A41-10
REVISION NO.

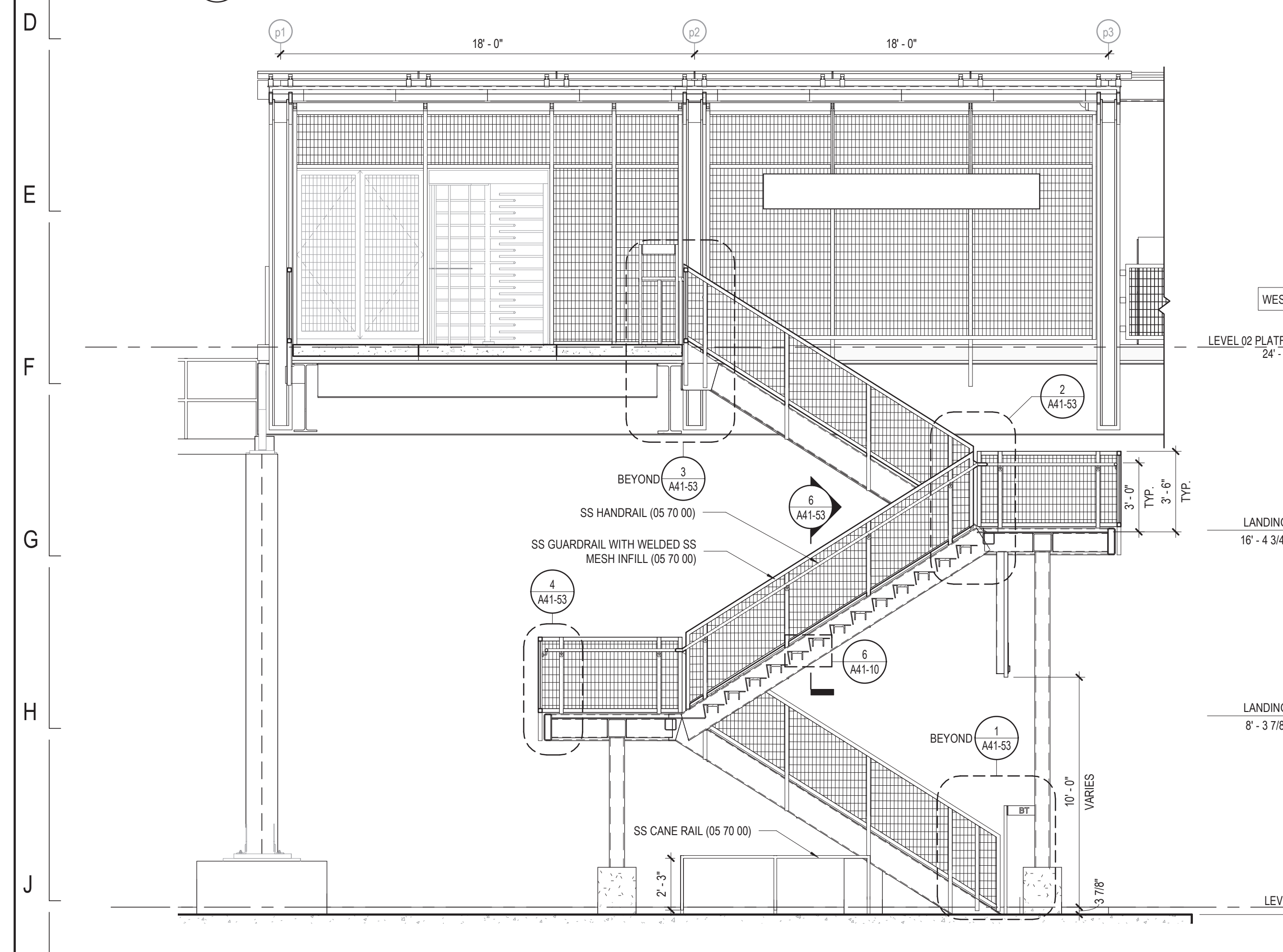
DATE: 01/27/2020



4 ENLARGED PLATFORM STAIR @ LEVEL 02
 1/4" = 1'-0" NOTE: VERIFY SS BARRIER TUBE LOCATIONS WITH FINAL ROTOGATE SELECTION DIMENSIONS

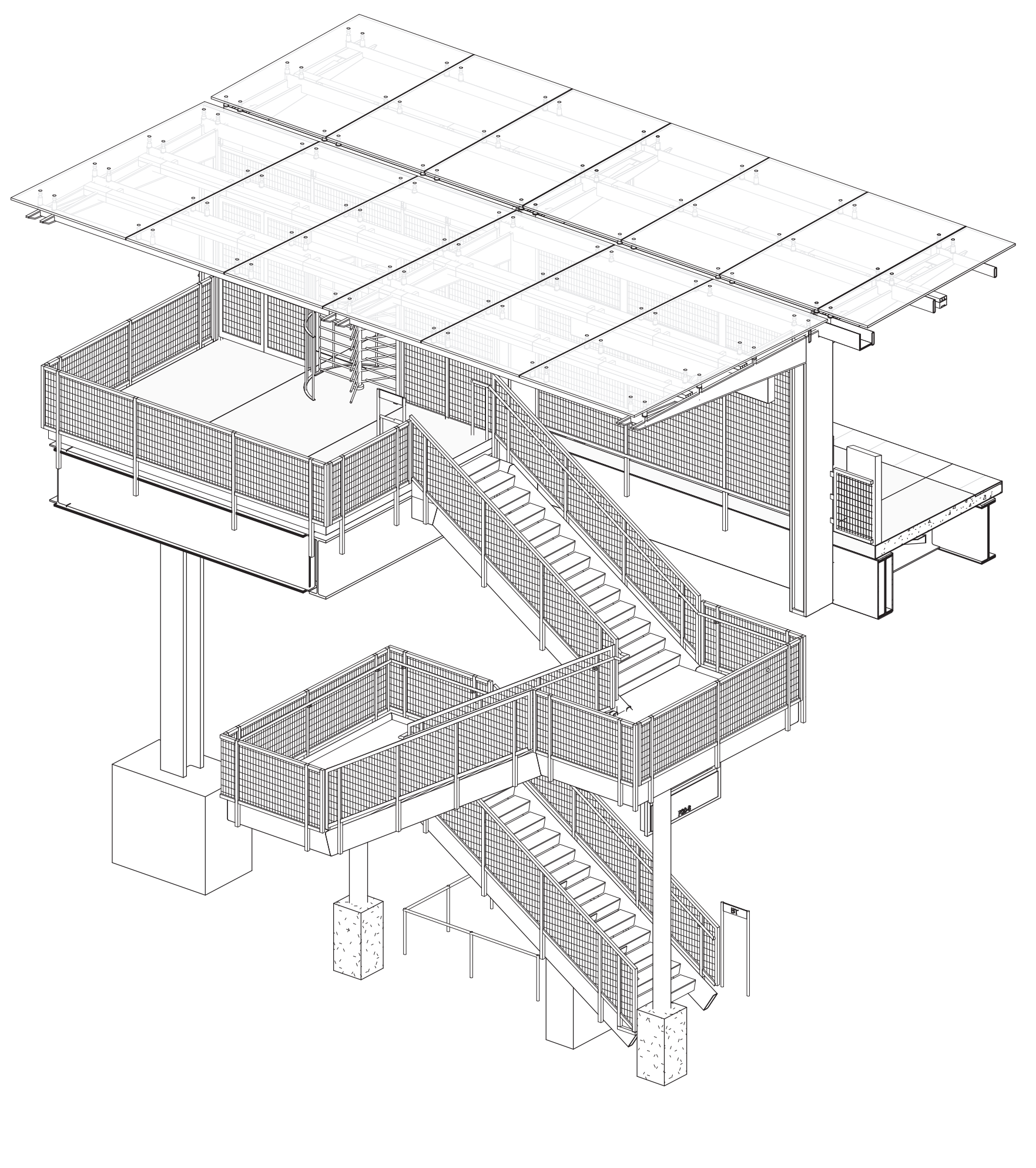


2 ENLARGED PLATFORM STAIR @ GRADE
 1/4" = 1'-0"

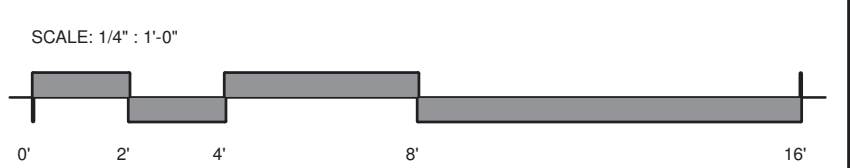


3 ENLARGED PLATFORM STAIR SECTION
 1/4" = 1'-0"

NOTE: VERIFY DIMENSIONS AND ELEVATIONS PROVIDED AS REQUIRED ON GEOMETRY PLAN NOTES. VERIFY FINAL GRADING AT SIDEWALK AT ALL STAIR LOCATIONS PRIOR TO PREPARING SHOP DRAWINGS.



1 AXON - PLATFORM EXIT STAIR

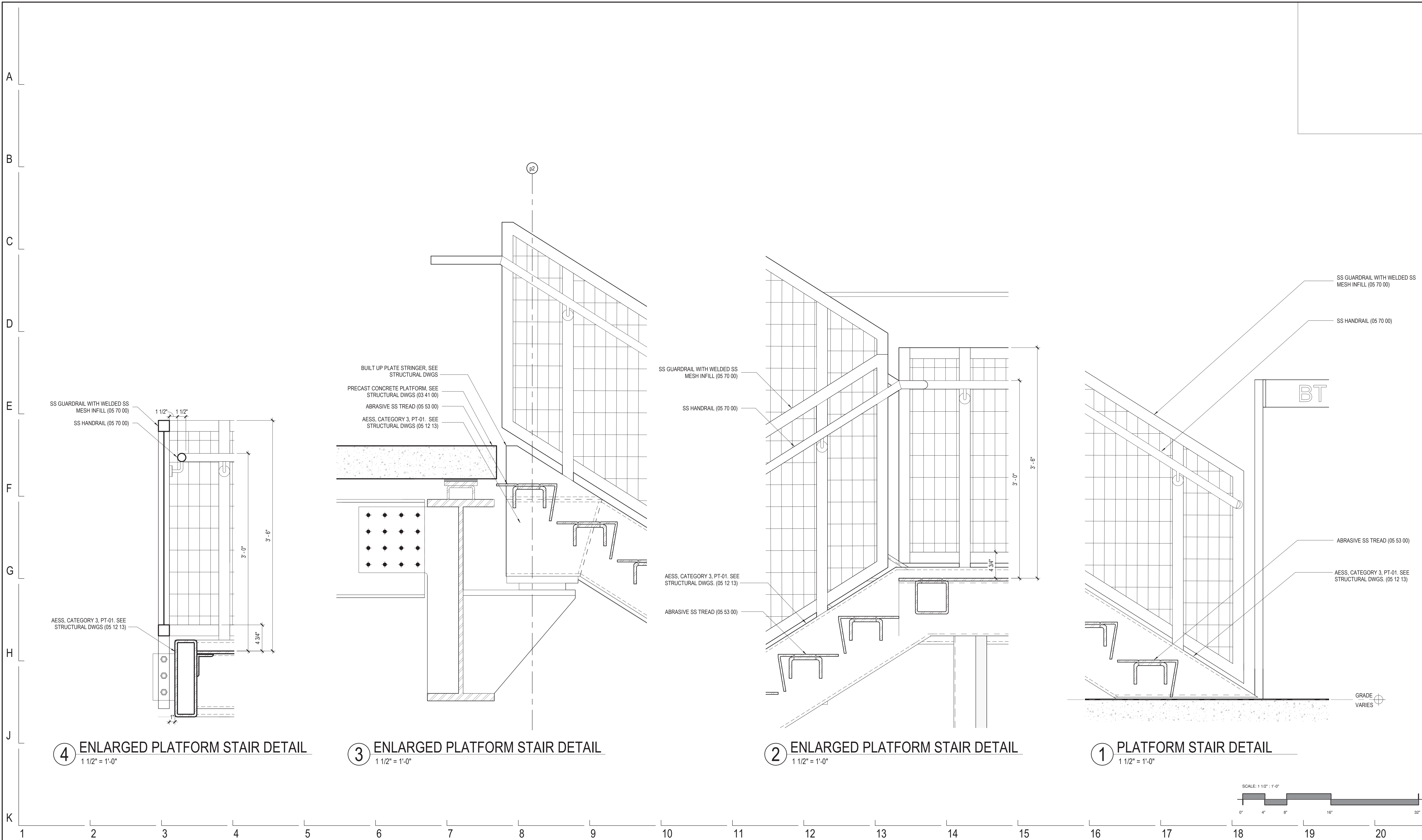


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ENLARGED STAIR PLANS & SECTIONS - PLATFORM		DRAWING NO. A41-20
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



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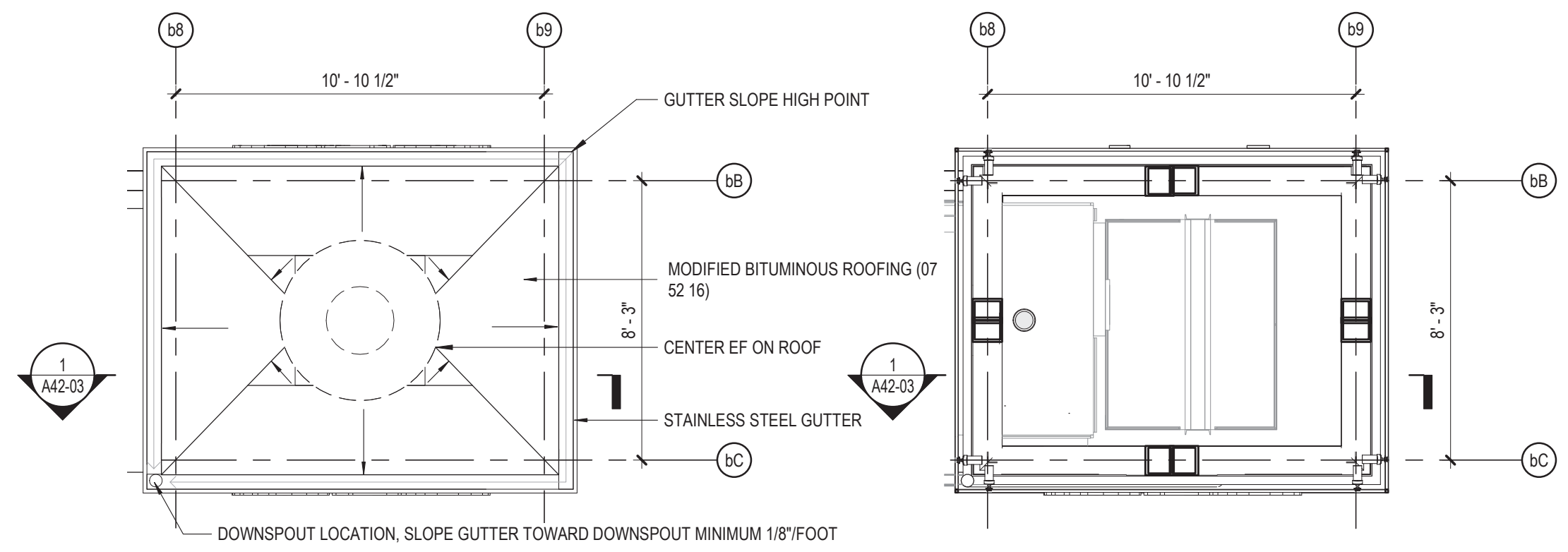
154 N DAMEN AVE - DAMEN GREEN LINE STATION

STAIR DETAILS - PLATFORM

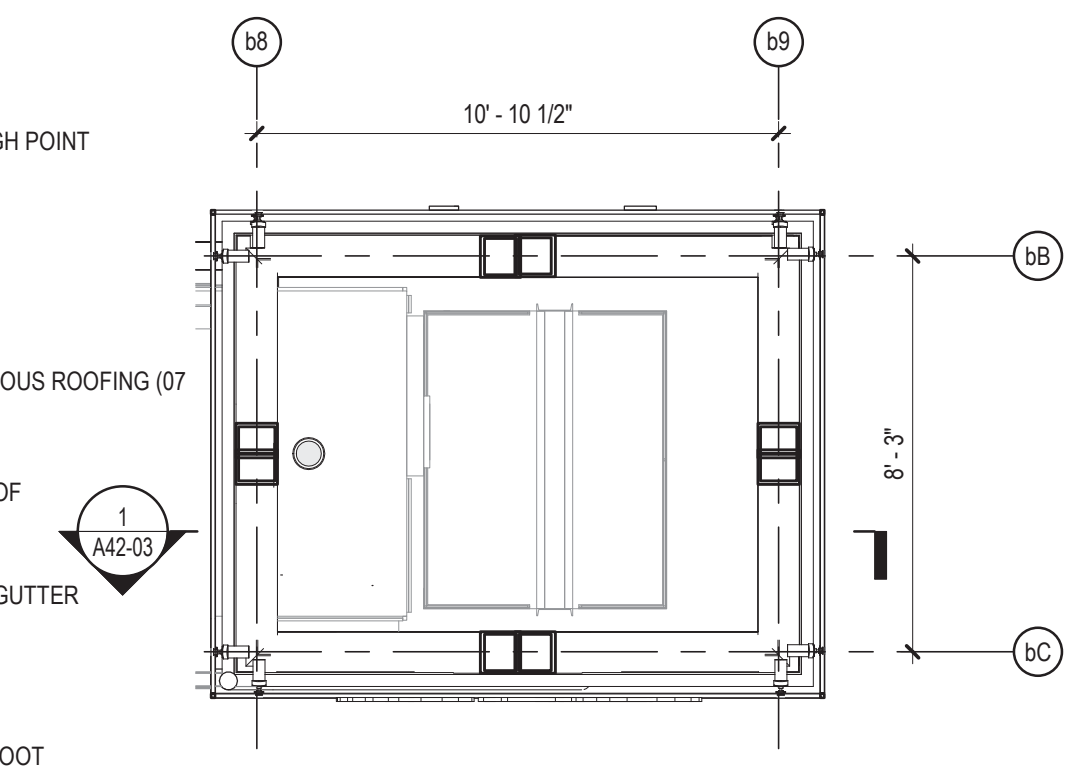
CDOT PROJECT D-7-135

DATE: 01/27/2020

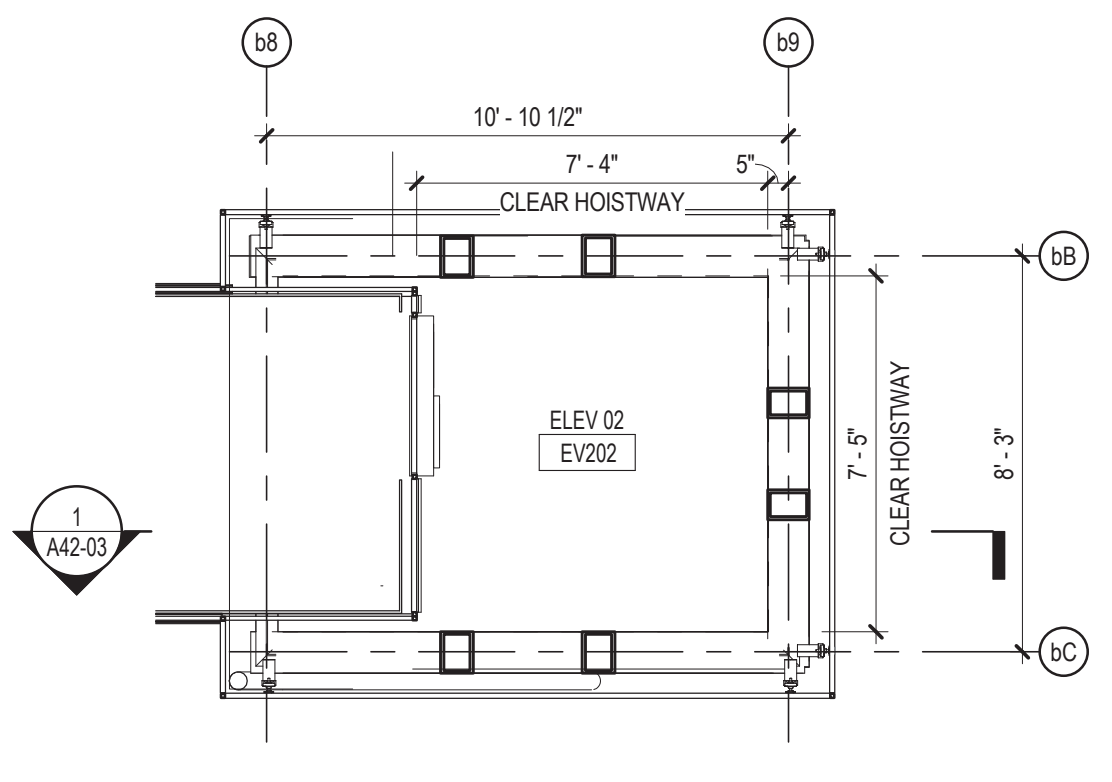
SPEC. NO.
DRAWING NO. A41-53
REVISION NO.



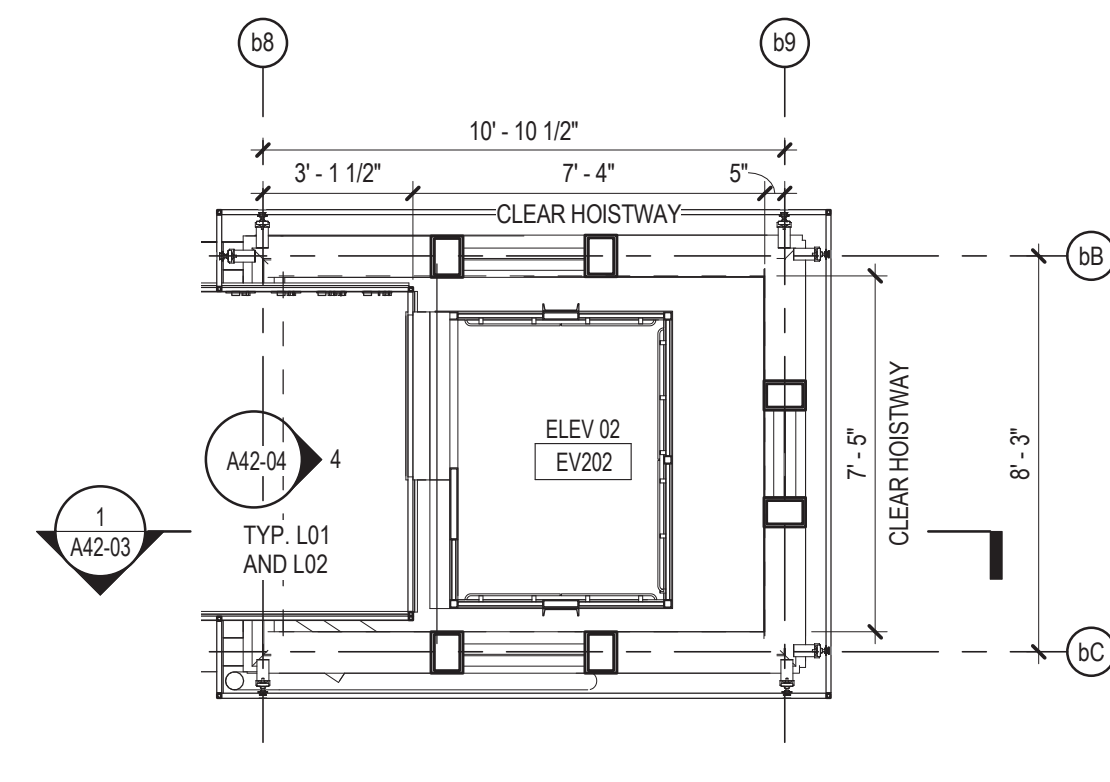
9 ENLARGED NORTH TOWER ROOF
1/4" = 1'-0"



7 ENLARGED NORTH TOWER - L05
1/4" = 1'-0"

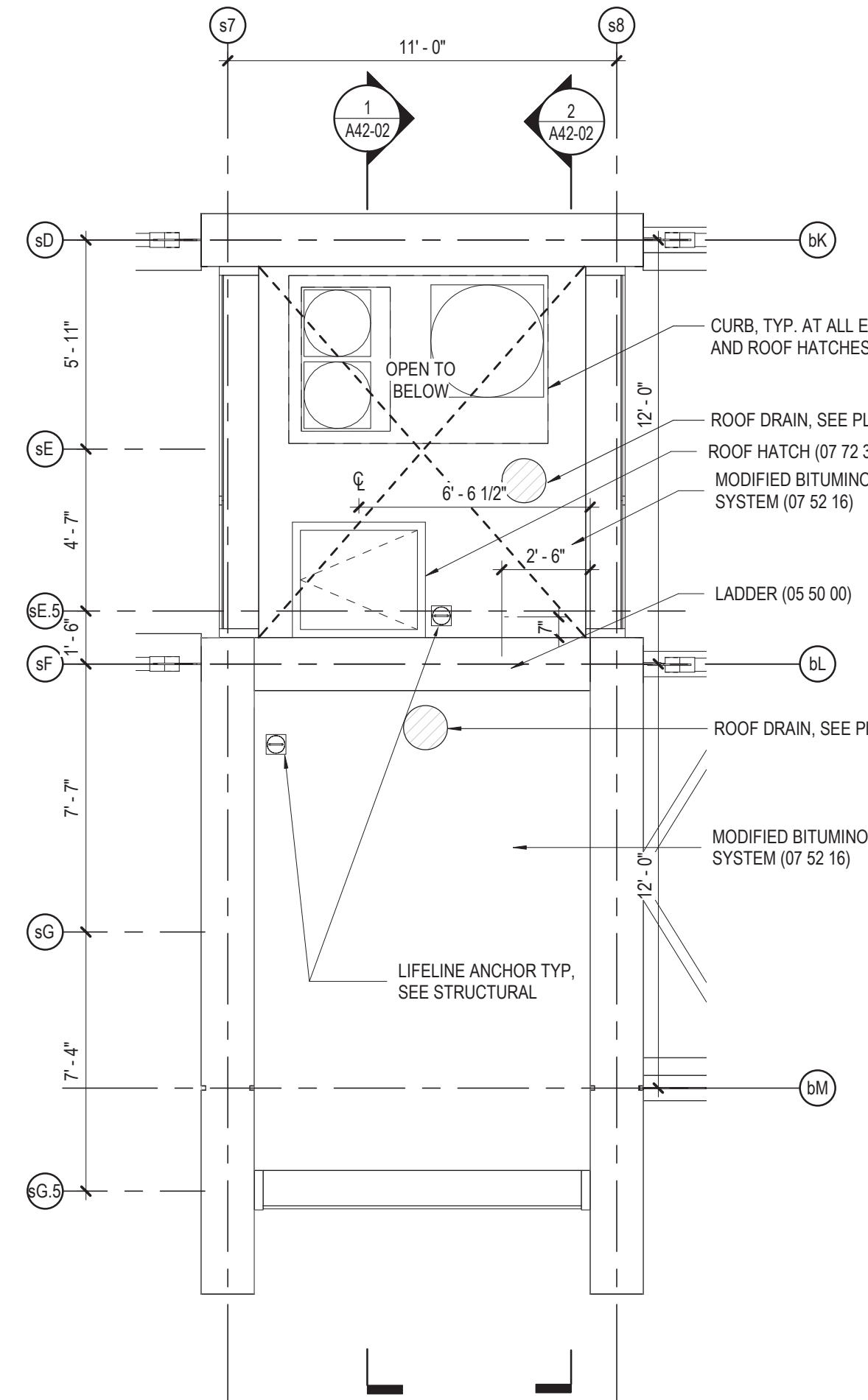


5 ENLARGED NORTH TOWER - L03
1/4" = 1'-0"

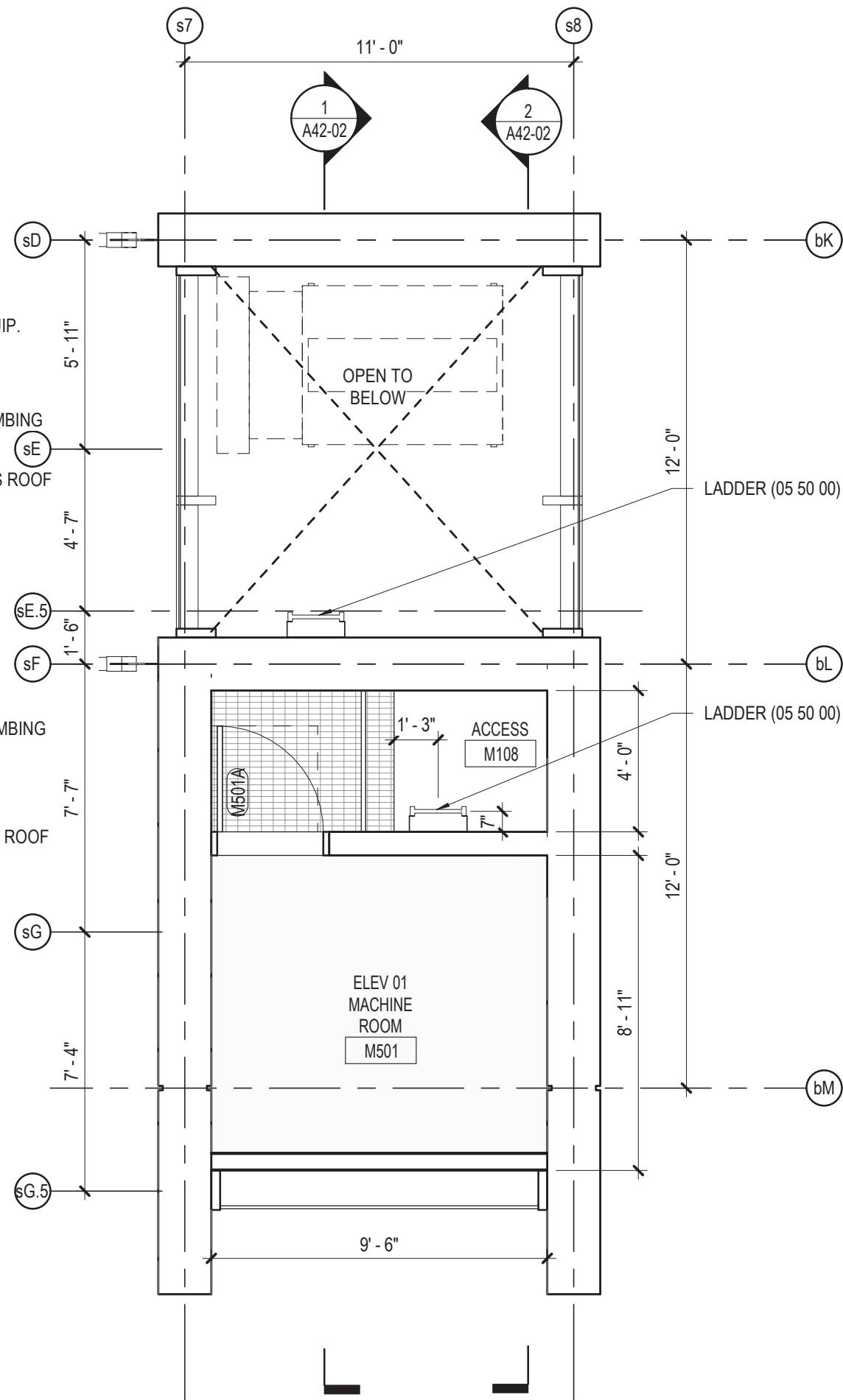


3 ENLARGED NORTH TOWER - L02
1/4" = 1'-0"

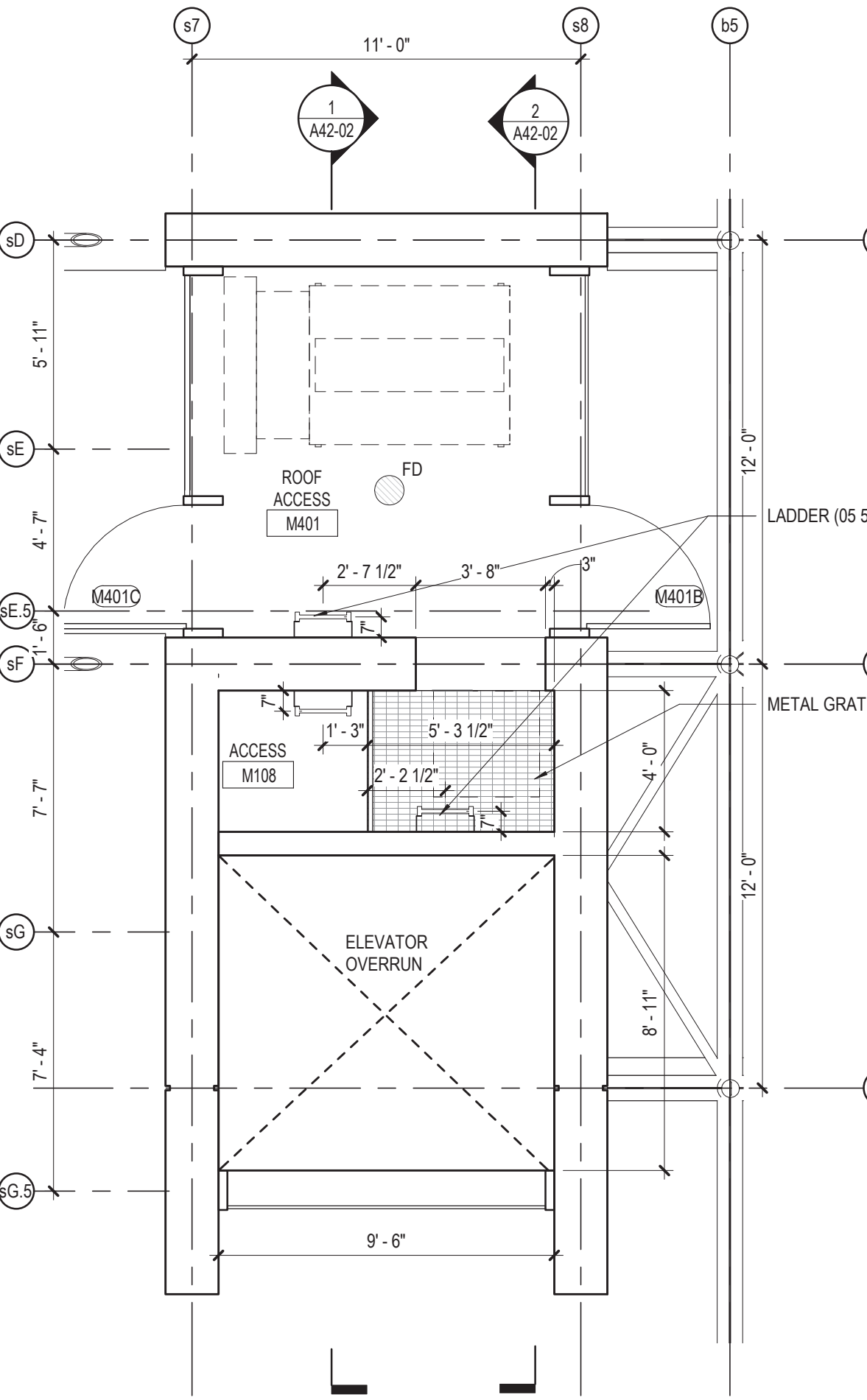
- ELEVATOR NOTES**
1. PROVIDE TWO DRAWER METAL FILE CABINET IN EACH ELEVATOR CONTROL ROOM.
 2. REFER TO SPECIFICATION (14 21 00) FOR ADDITIONAL INFORMATION.
 3. PROVIDE ANTI-GRAFFITI COATING ON ALL ELEVATOR GLASS CAB SURFACES.
 4. SLOPE ALL FLOOR SURFACES ADJACENT TO ELEVATOR HALL DOOR AWAY FROM HOISTWAY AT 1% MINIMUM.



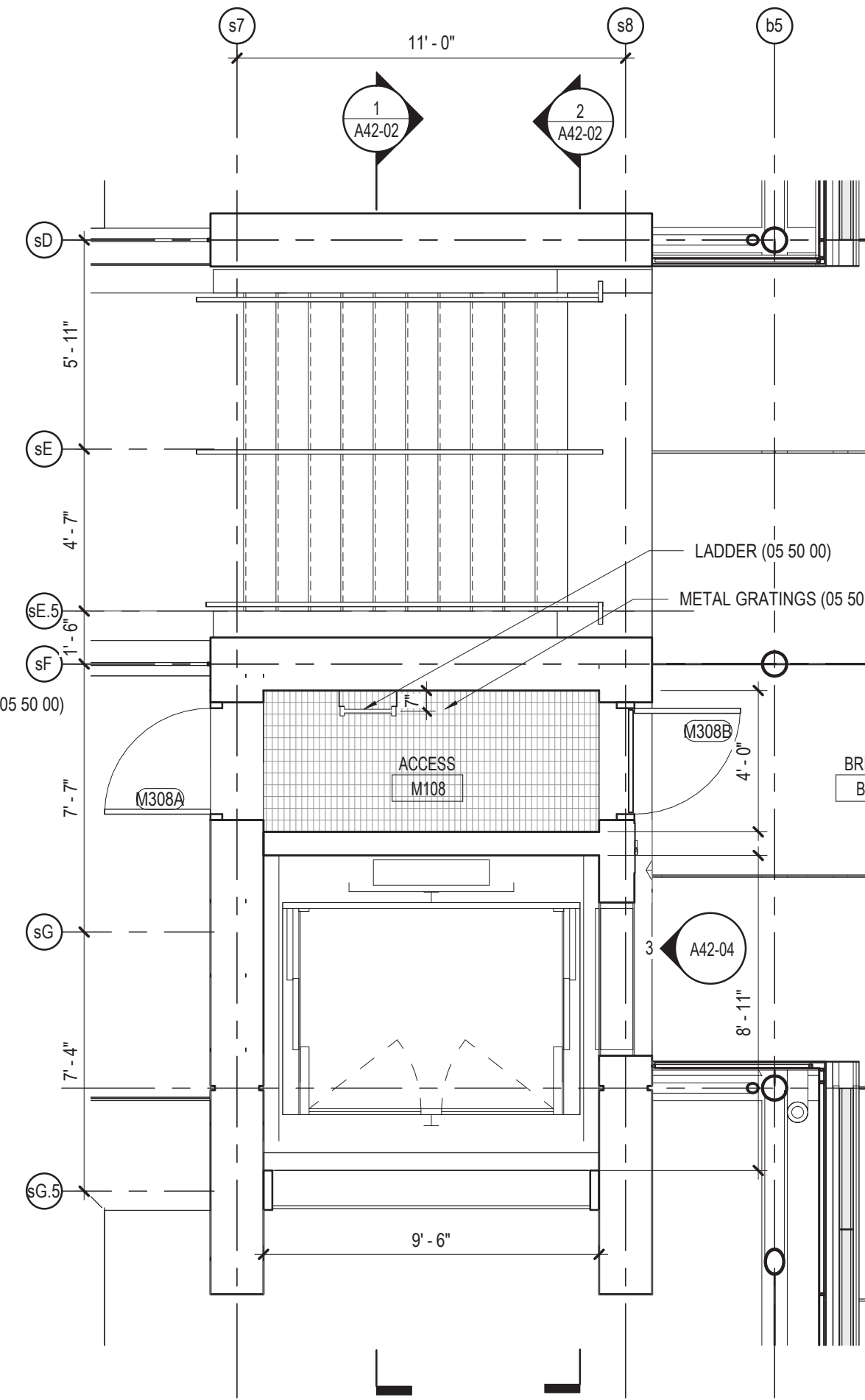
8 ENLARGED SOUTH CORE ROOF
1/4" = 1'-0"



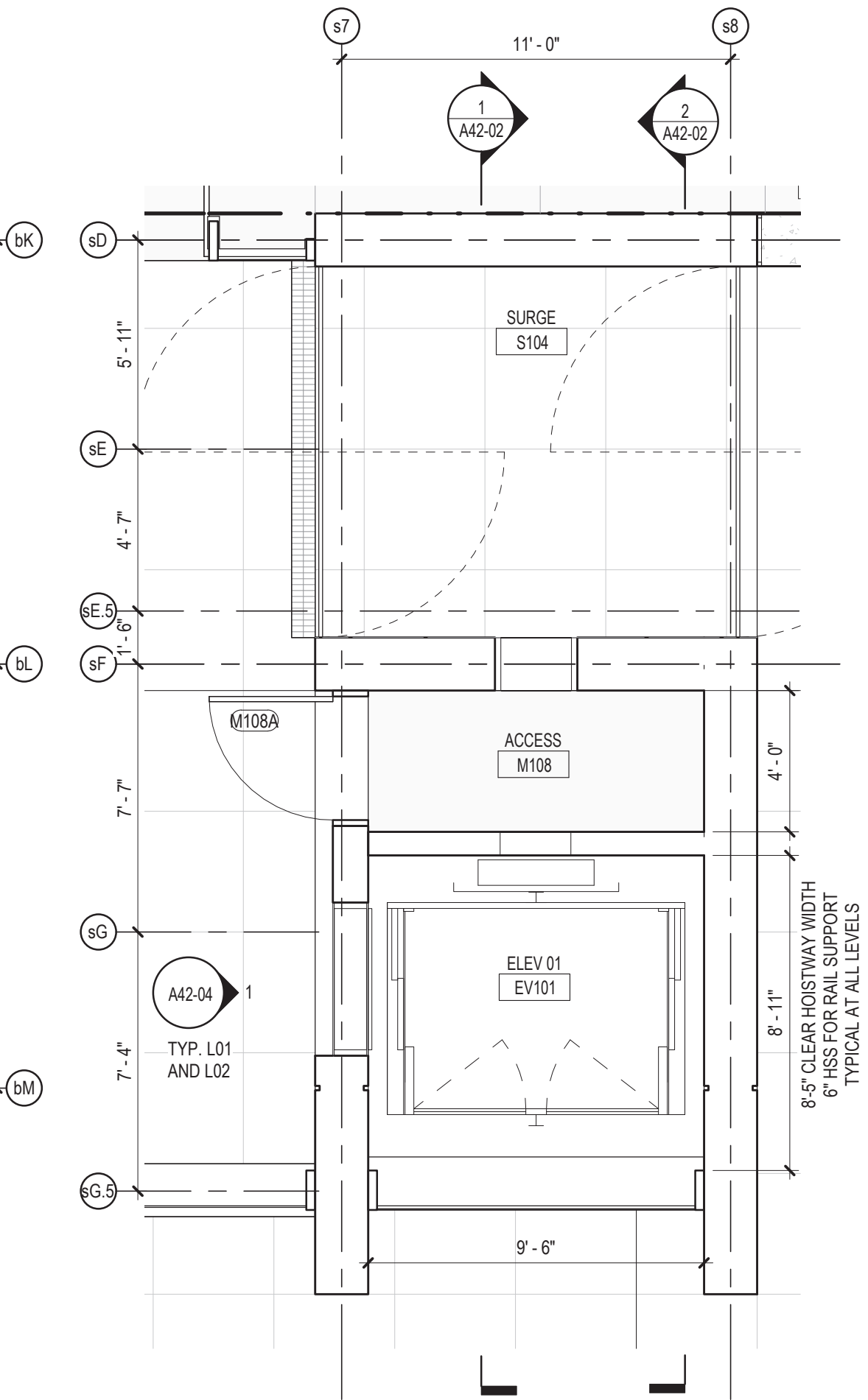
6 ENLARGED SOUTH CORE - L05
1/4" = 1'-0"



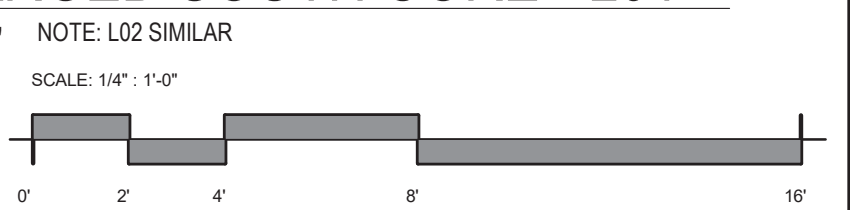
4 ENLARGED SOUTH CORE - L04
1/4" = 1'-0"



2 ENLARGED SOUTH CORE - L03
1/4" = 1'-0"



1 ENLARGED SOUTH CORE - L01
1/4" = 1'-0" NOTE: L02 SIMILAR



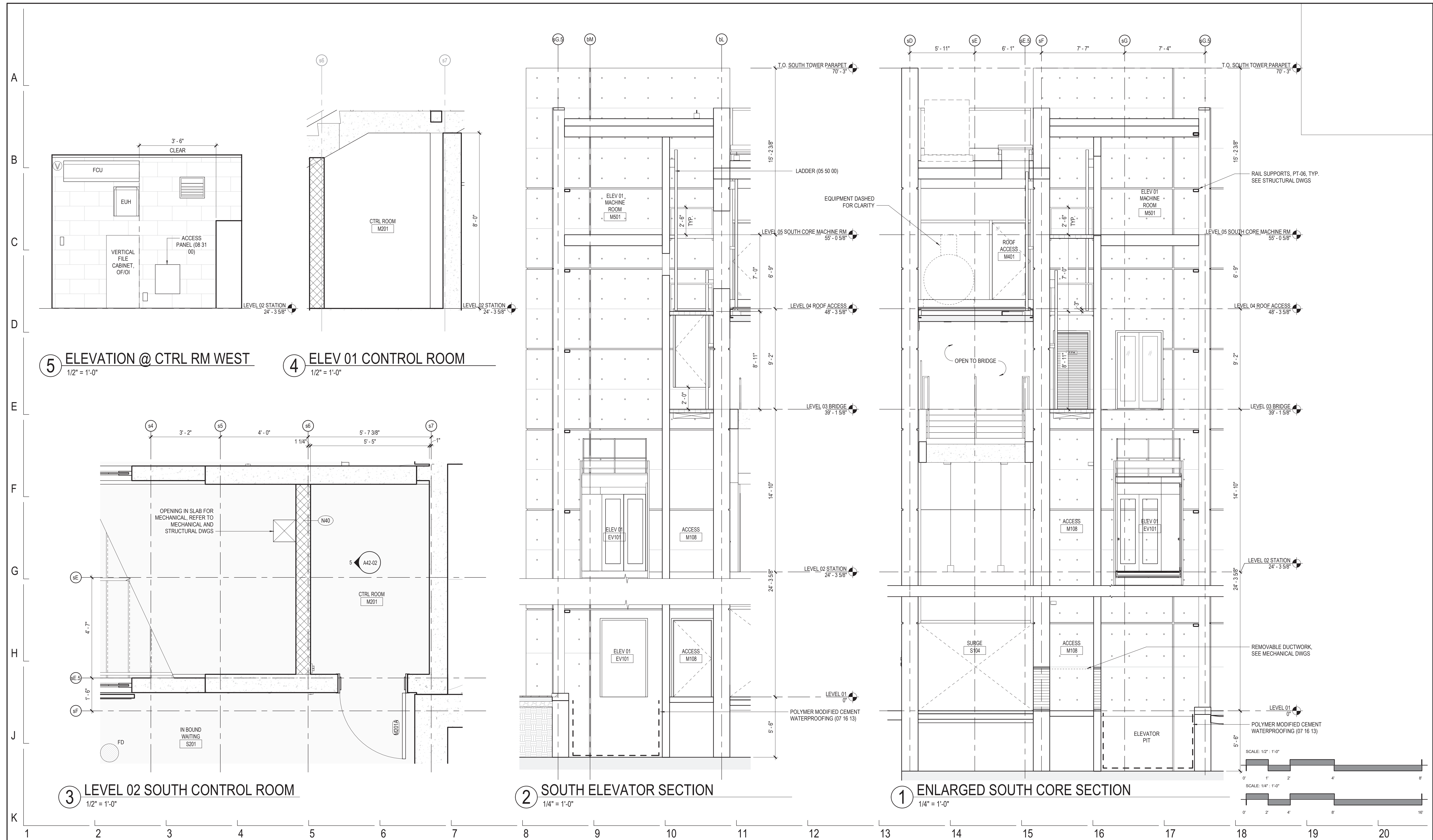
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
ENLARGED ELEVATOR PLANS
CDOT PROJECT D-7-135 DATE: 01/27/2020

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DRAWING NO.
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REVISION NO.



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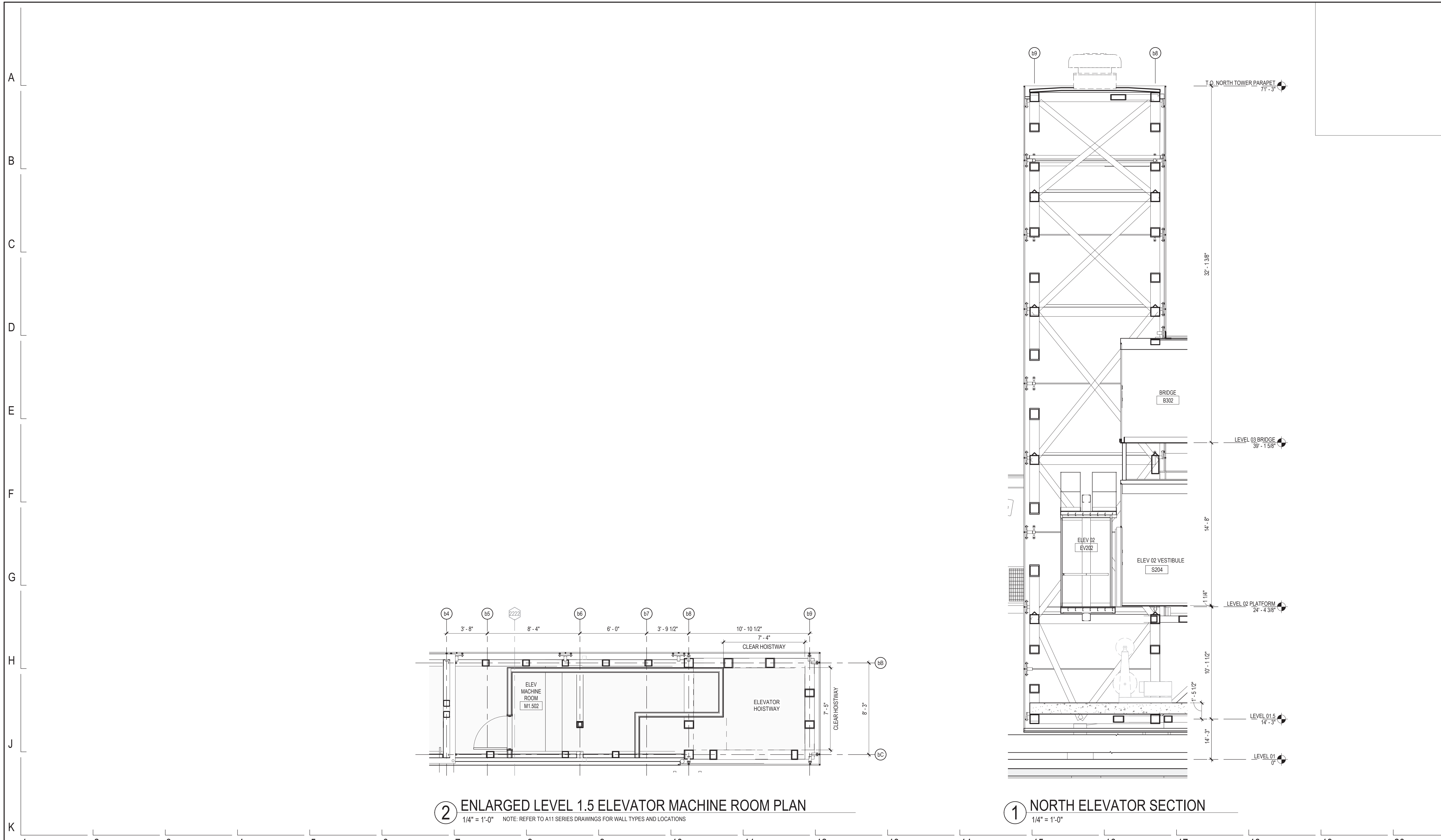
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154 N DAMEN AVE - DAMEN GREEN LINE STATION

ENLARGED ELEVATOR SECTIONS - SOUTH

CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.	
DRAWING NO.	A42-02
REVISION NO.	



2 ENLARGED LEVEL 1.5 ELEVATOR MACHINE ROOM PLAN
 1/4" = 1'-0" NOTE: REFER TO A11 SERIES DRAWINGS FOR WALL TYPES AND LOCATIONS

1 NORTH ELEVATOR SECTION
 1/4" = 1'-0"

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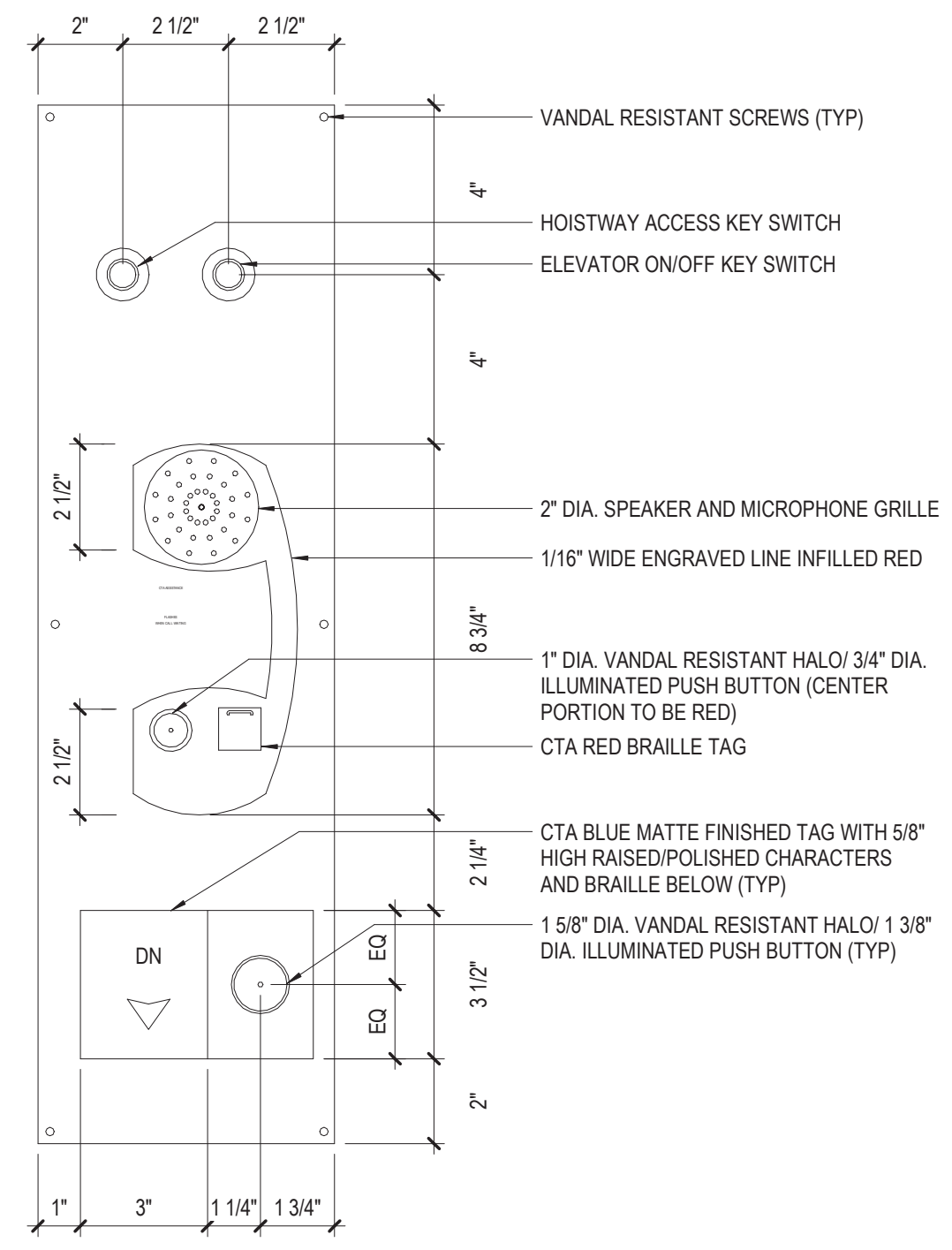
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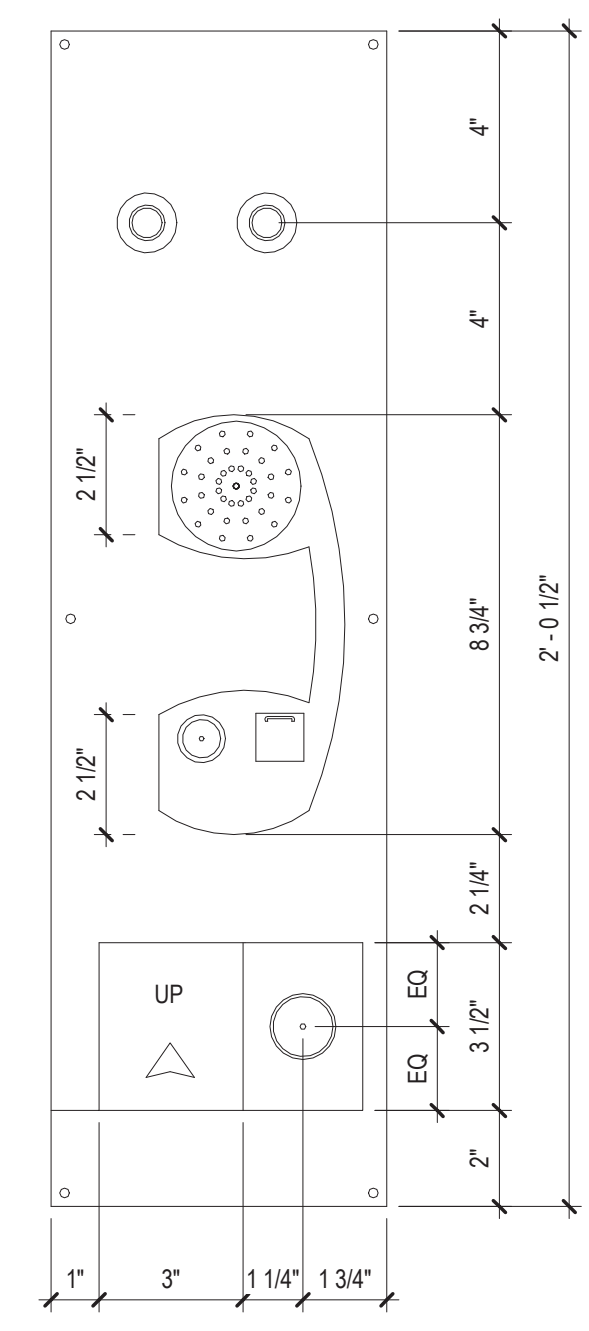
154 N DAMEN AVE - DAMEN GREEN LINE STATION
ENLARGED ELEVATOR SECTIONS - NORTH
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
DRAWING NO. A42-03
REVISION NO.

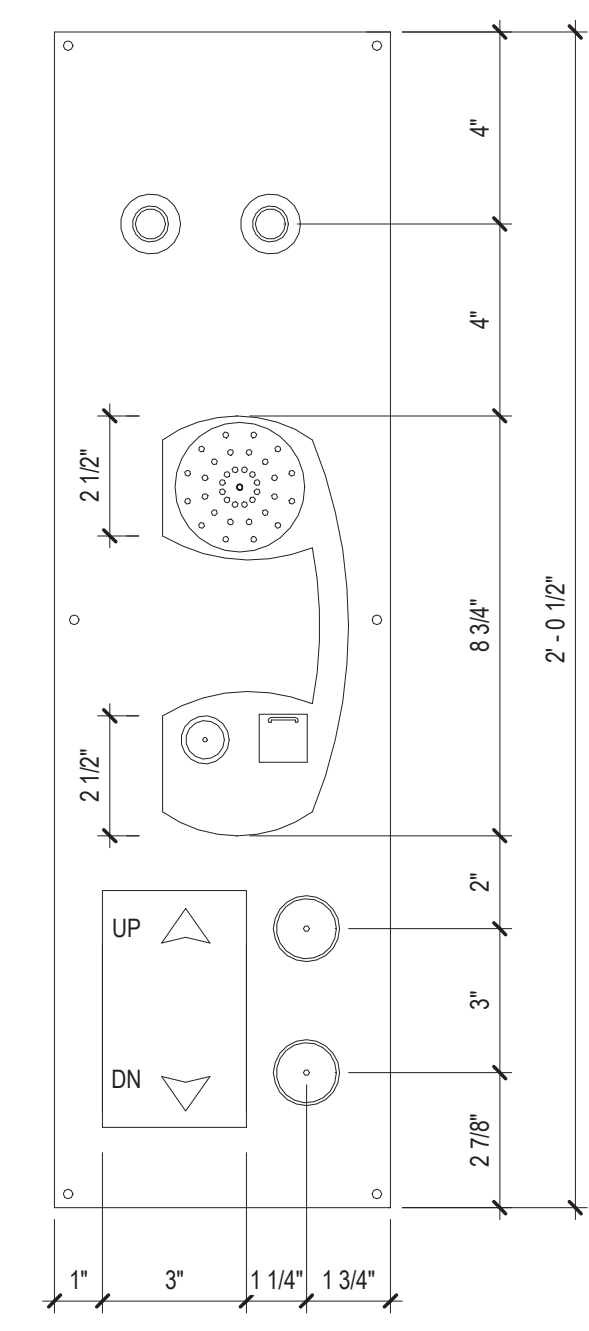
A
B
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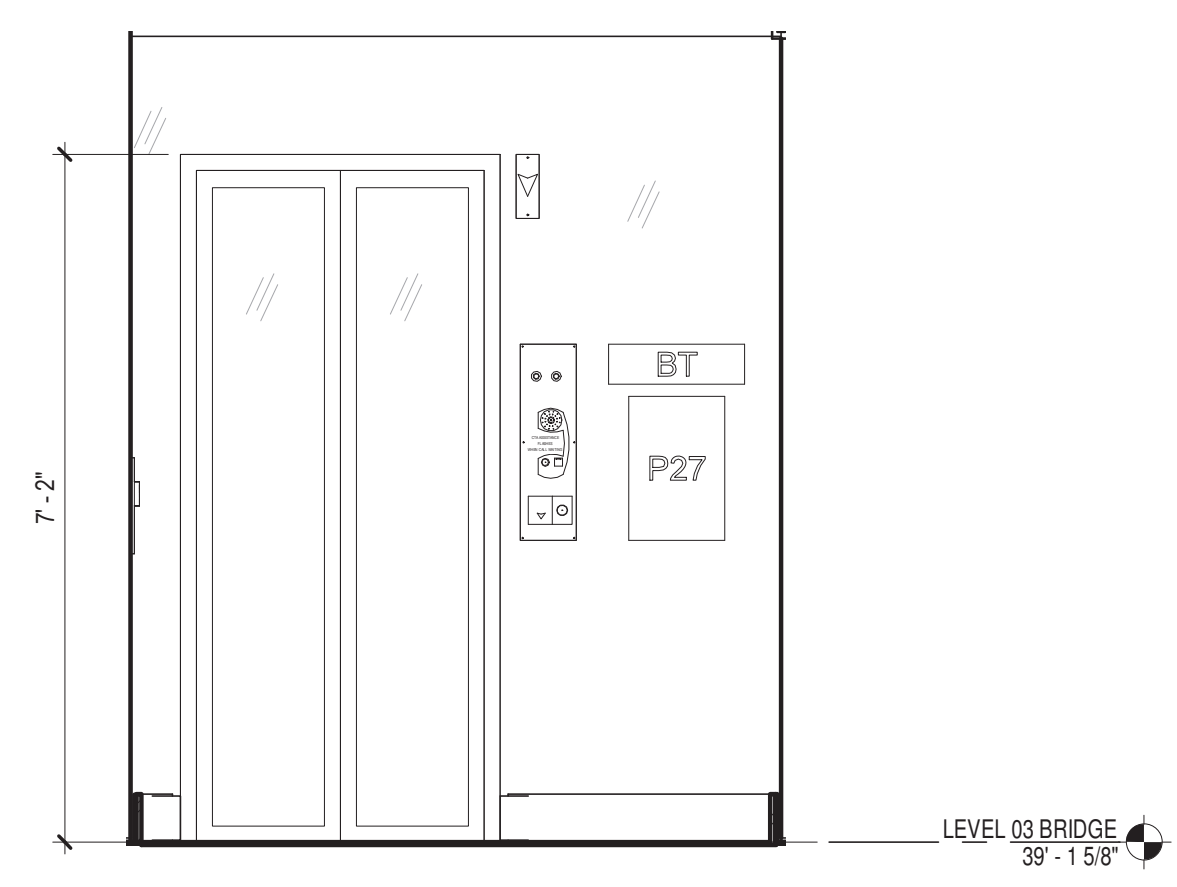
8 ELEV 01 CALL L03
3" = 1'-0" NOTE: ELEV 02 CALL L03 SAME AS ELEV 01 CALL 01. REFER TO SIMILAR ELEVATIONS THIS SHEET FOR TYP. DIMENSIONS AND ANNOTATION.



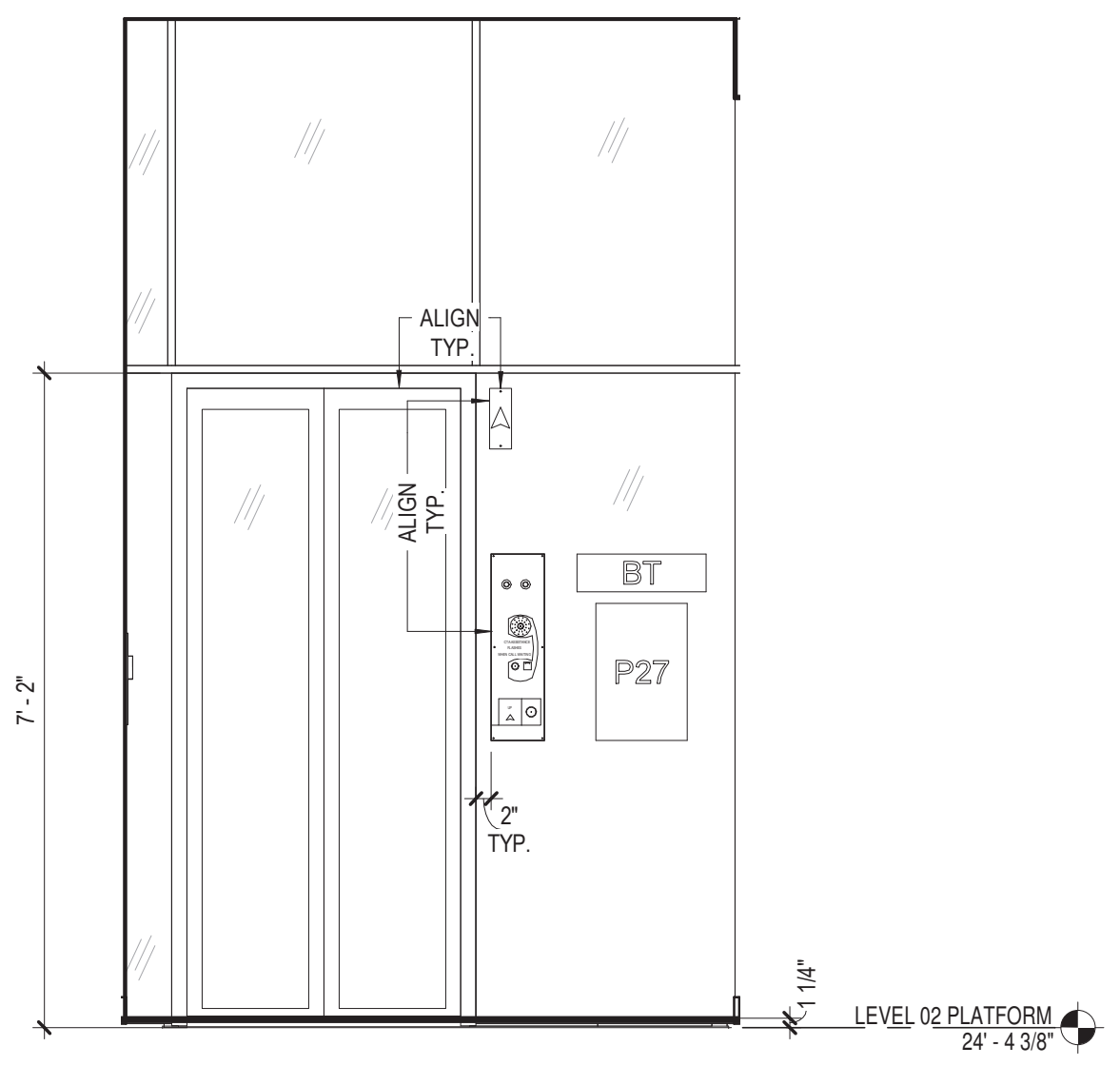
7 ELEV 01 CALL L01
3" = 1'-0" NOTE: ELEV 02 CALL L02 SAME AS ELEV 01 CALL 01. REFER TO SIMILAR ELEVATIONS THIS SHEET FOR TYP. DIMENSIONS AND ANNOTATION.



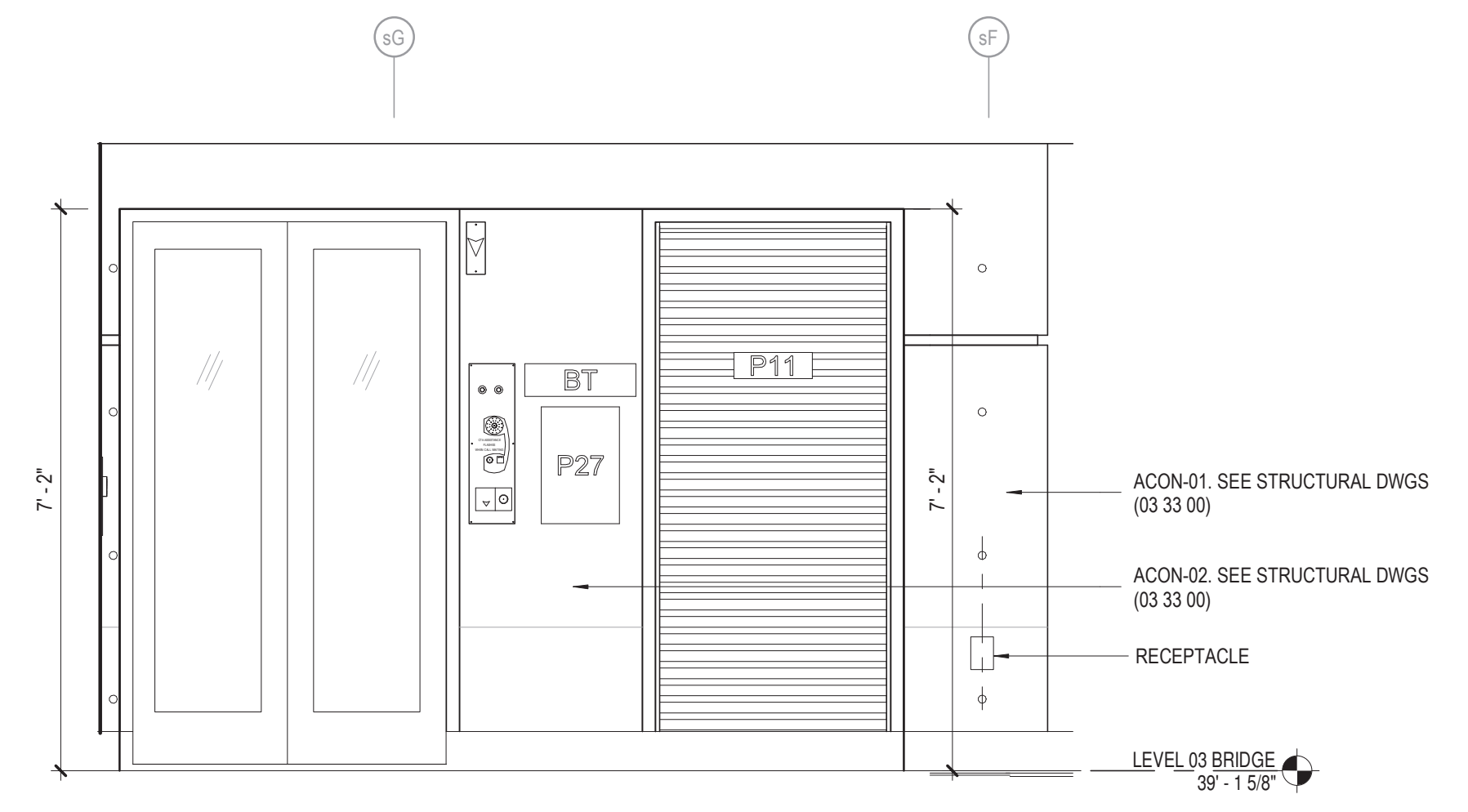
6 ELEV 01 CALL L02
3" = 1'-0" NOTE: REFER TO SIMILAR ELEVATION THIS SHEET FOR TYPICAL ANNOTATION.



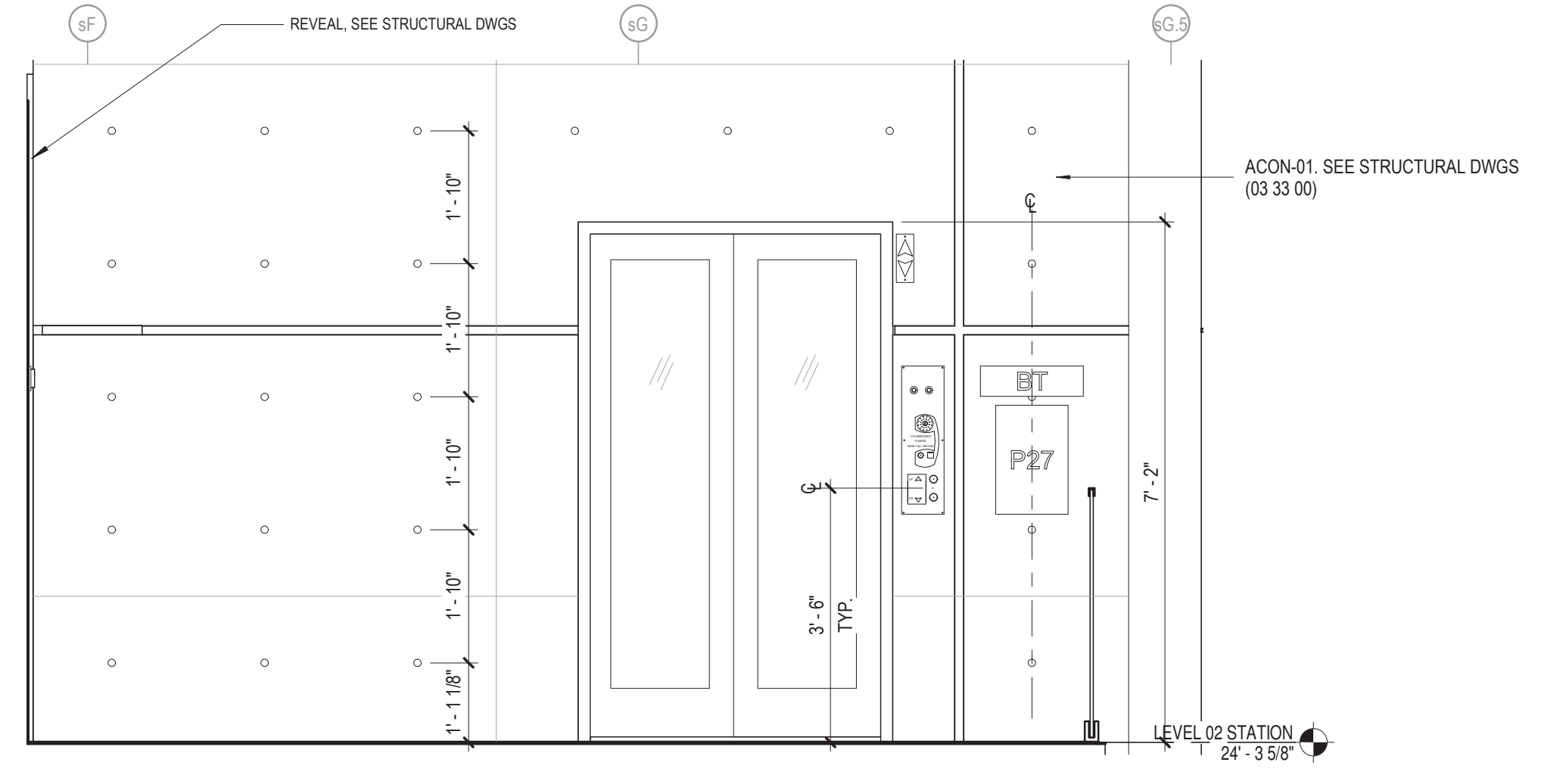
5 ELEVATOR 02 HALL ELEVATION - L03
1/2" = 1'-0"



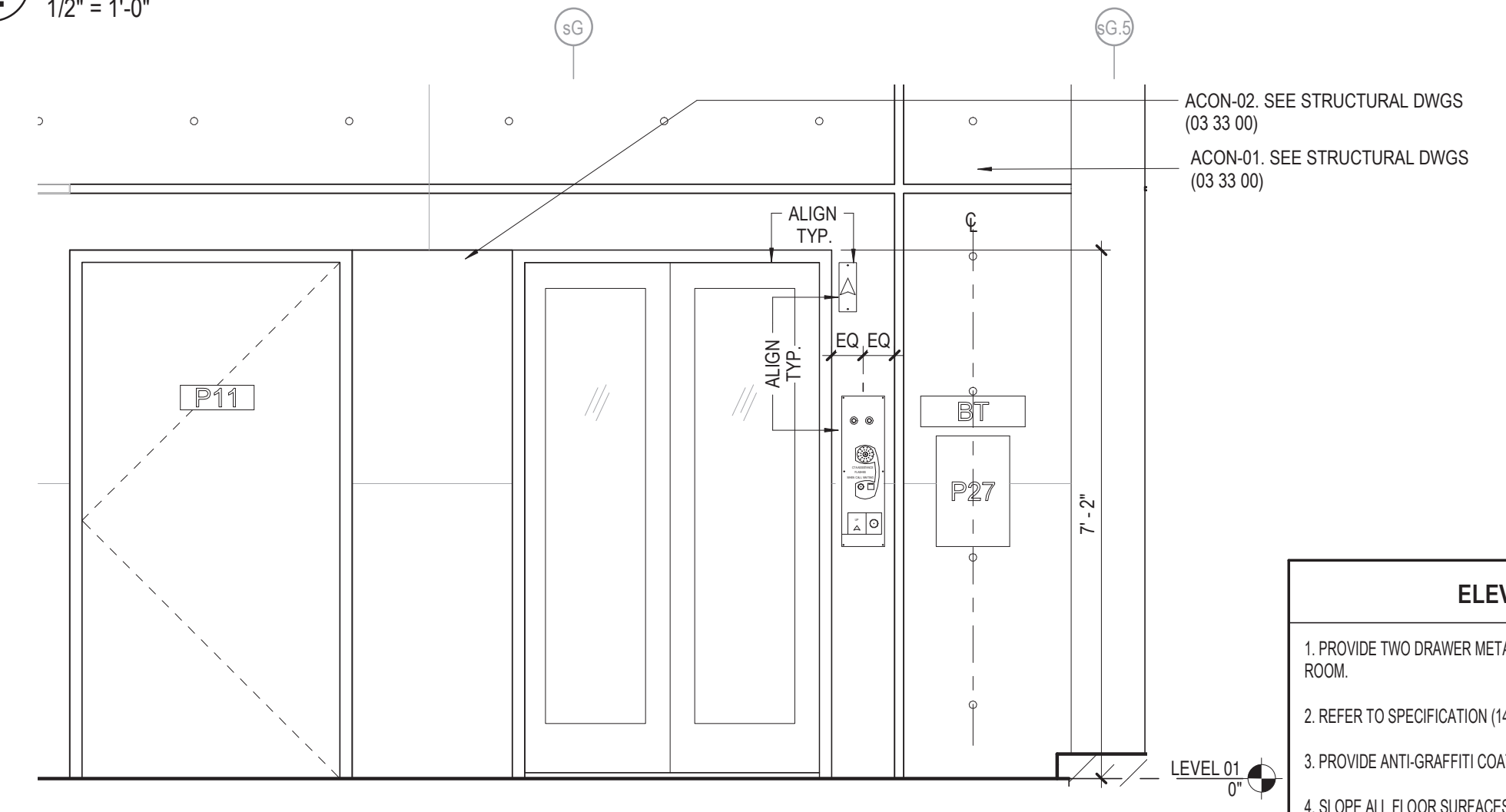
4 ELEVATOR 02 HALL ELEVATION - L02
1/2" = 1'-0"



3 ELEVATOR 01 HALL ELEVATION - L03
1/2" = 1'-0"



2 ELEVATOR 01 HALL ELEVATION - L02
1/2" = 1'-0"



1 ELEVATOR 01 HALL ELEVATION - L01
1/2" = 1'-0"

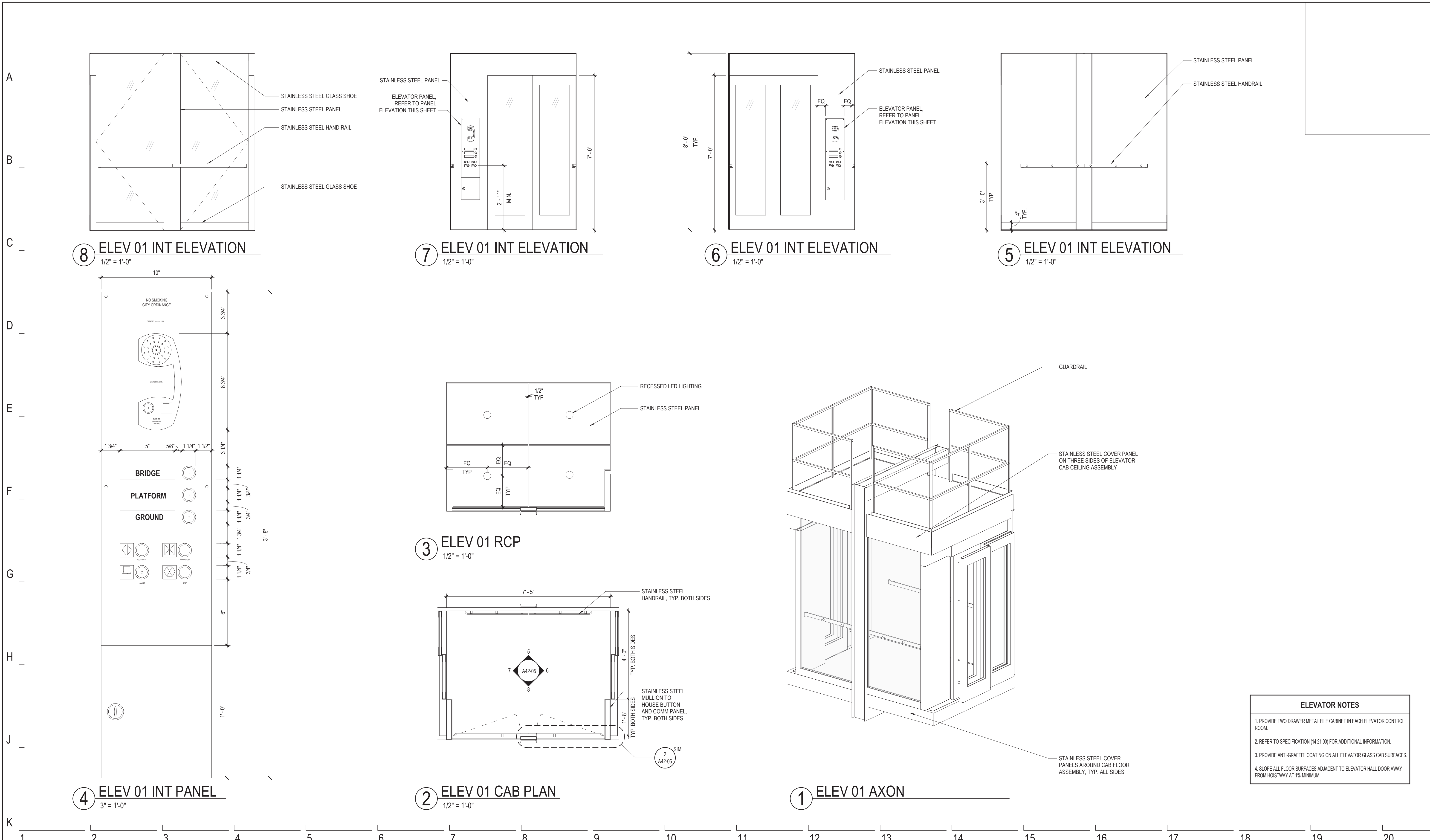
- ELEVATOR NOTES**
1. PROVIDE TWO DRAWER METAL FILE CABINET IN EACH ELEVATOR CONTROL ROOM.
 2. REFER TO SPECIFICATION (14 21 00) FOR ADDITIONAL INFORMATION.
 3. PROVIDE ANTI-GRAFFITI COATING ON ALL ELEVATOR GLASS CAB SURFACES.
 4. SLOPE ALL FLOOR SURFACES ADJACENT TO ELEVATOR HALL DOOR AWAY FROM HOISTWAY AT 1% MINIMUM.

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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ENLARGED ELEVATOR HALL ELEVATIONS		DRAWING NO. A42-04
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



ELEVATOR NOTES	
1. PROVIDE TWO DRAWER METAL FILE CABINET IN EACH ELEVATOR CONTROL ROOM.	
2. REFER TO SPECIFICATION (14 21 00) FOR ADDITIONAL INFORMATION.	
3. PROVIDE ANTI-GRAFFITI COATING ON ALL ELEVATOR GLASS CAB SURFACES.	
4. SLOPE ALL FLOOR SURFACES ADJACENT TO ELEVATOR HALL DOOR AWAY FROM HOISTWAY AT 1% MINIMUM.	

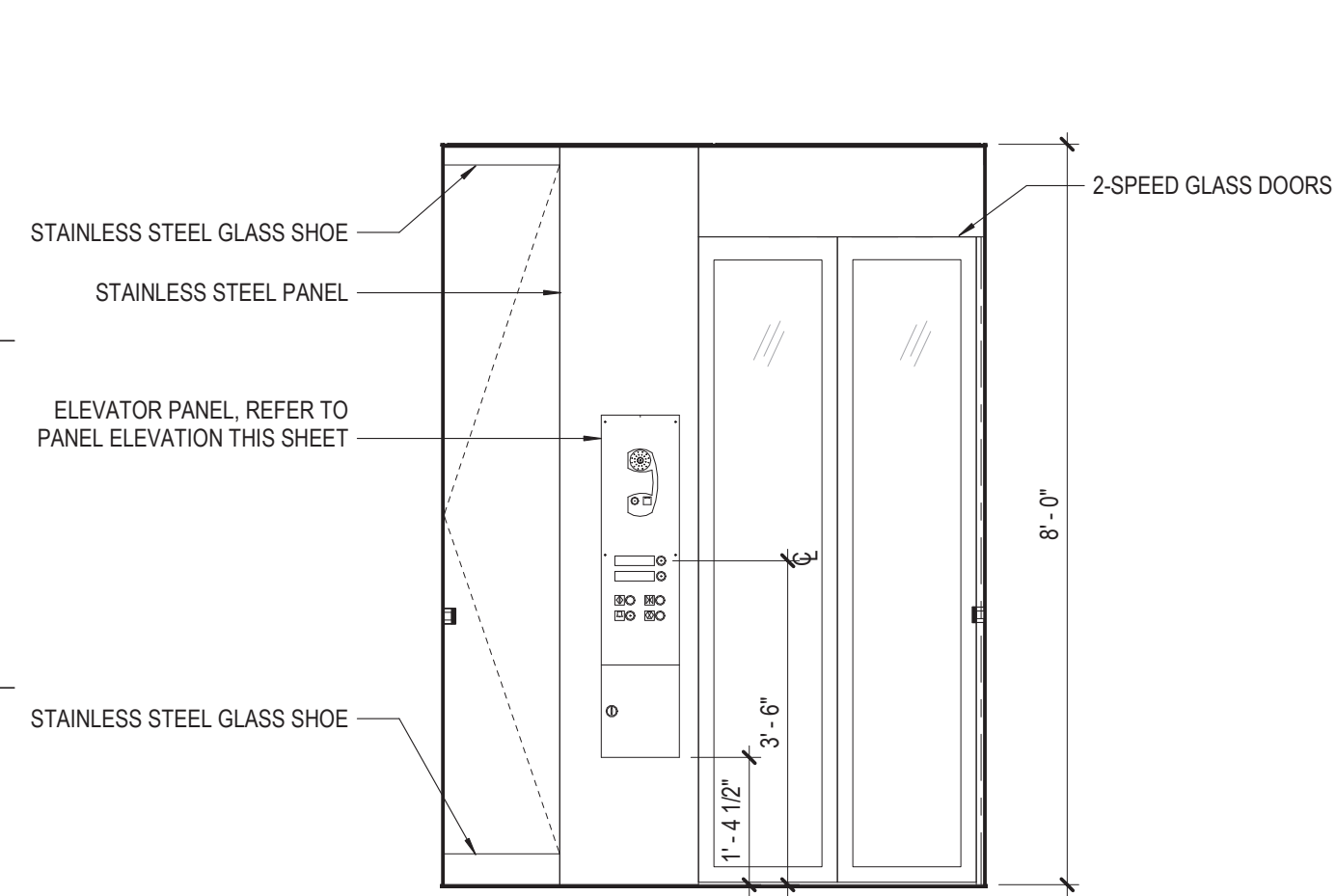
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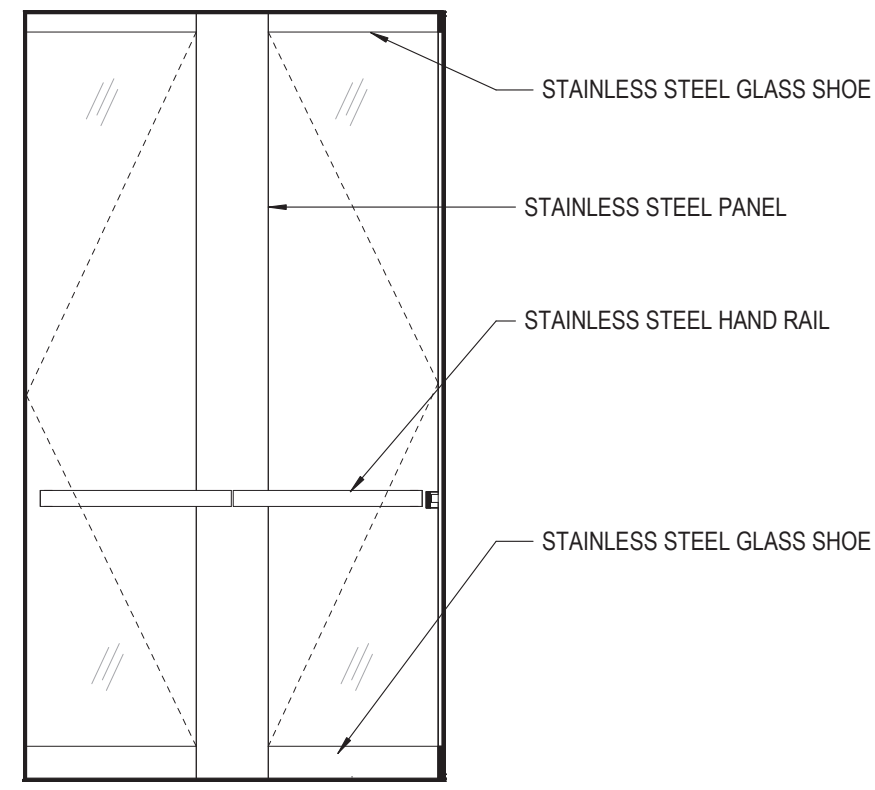
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
ENLARGED ELEVATOR PLANS & ELEVATIONS
 CDOT PROJECT D-7-135 DATE: 01/27/2020

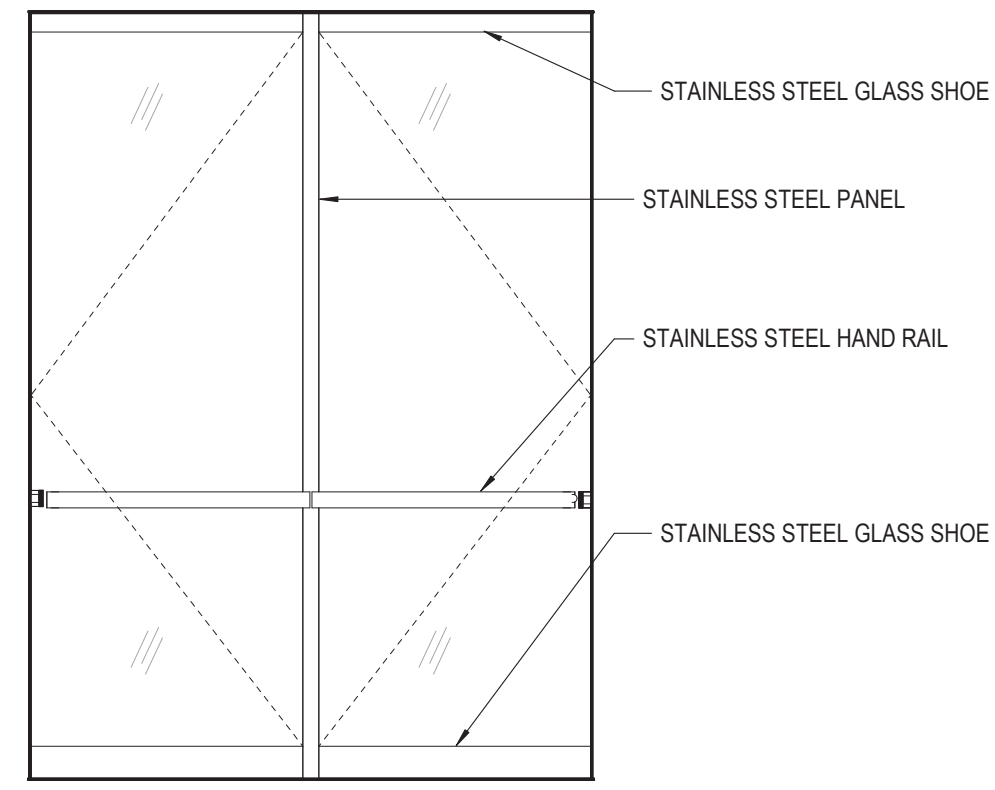
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 DRAWING NO.
A42-05
 REVISION NO.



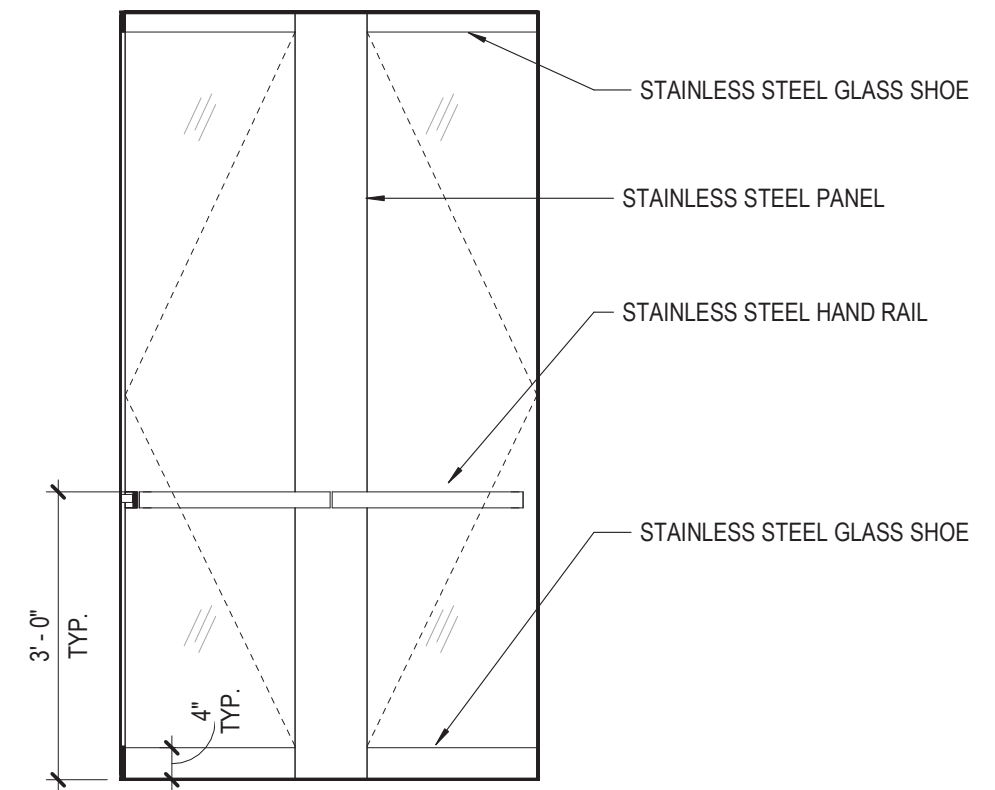
9 ELEV 02 INT ELEVATION
1/2" = 1'-0"



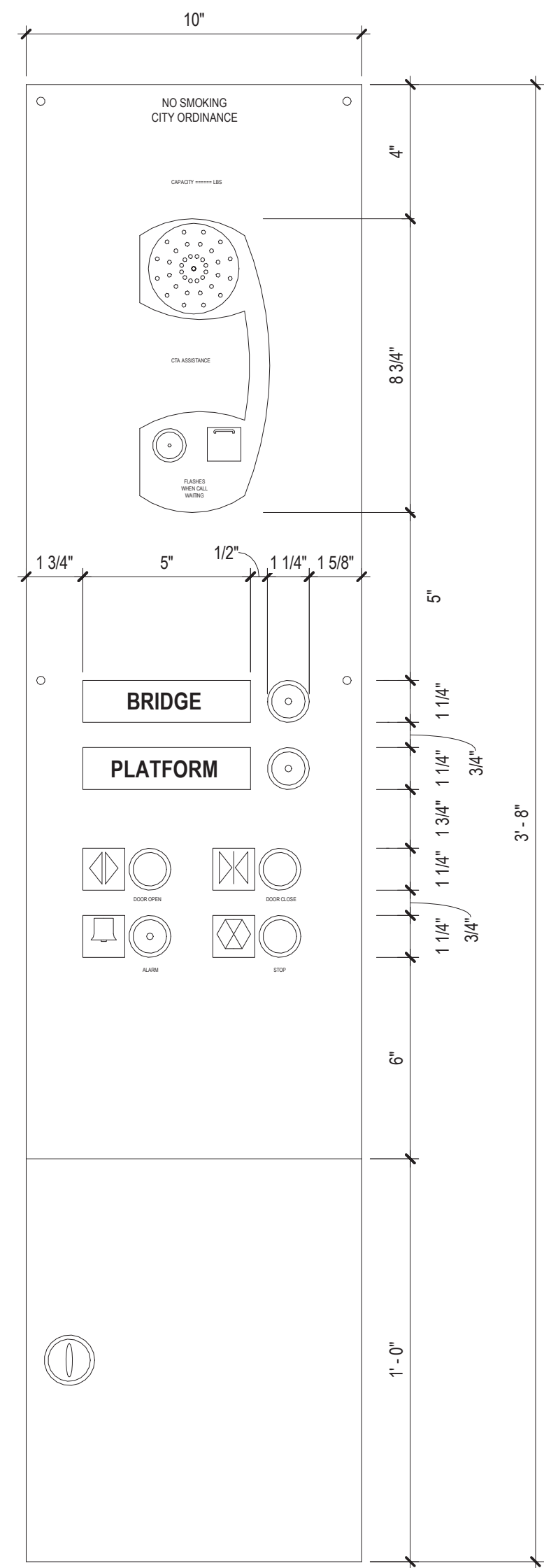
8 ELEV 02 INT ELEVATION
1/2" = 1'-0"



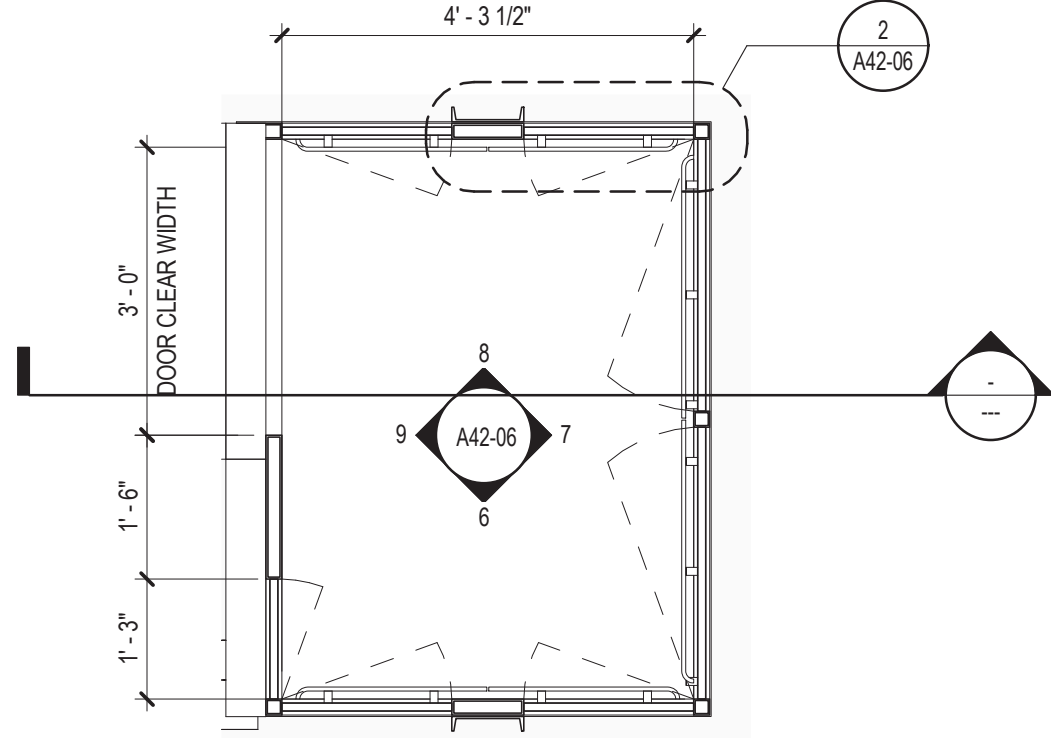
7 ELEV 02 INT ELEVATION
1/2" = 1'-0"



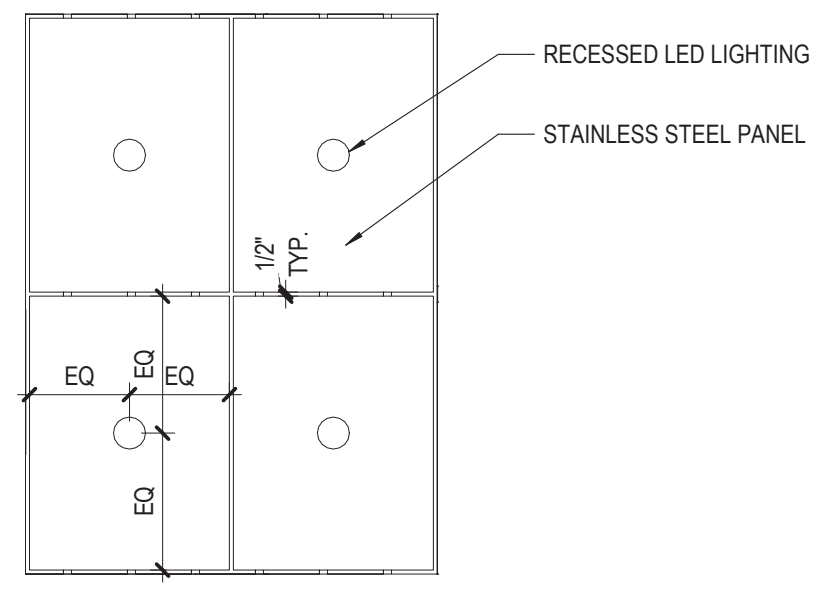
6 ELEV 02 INT ELEVATION
1/2" = 1'-0"



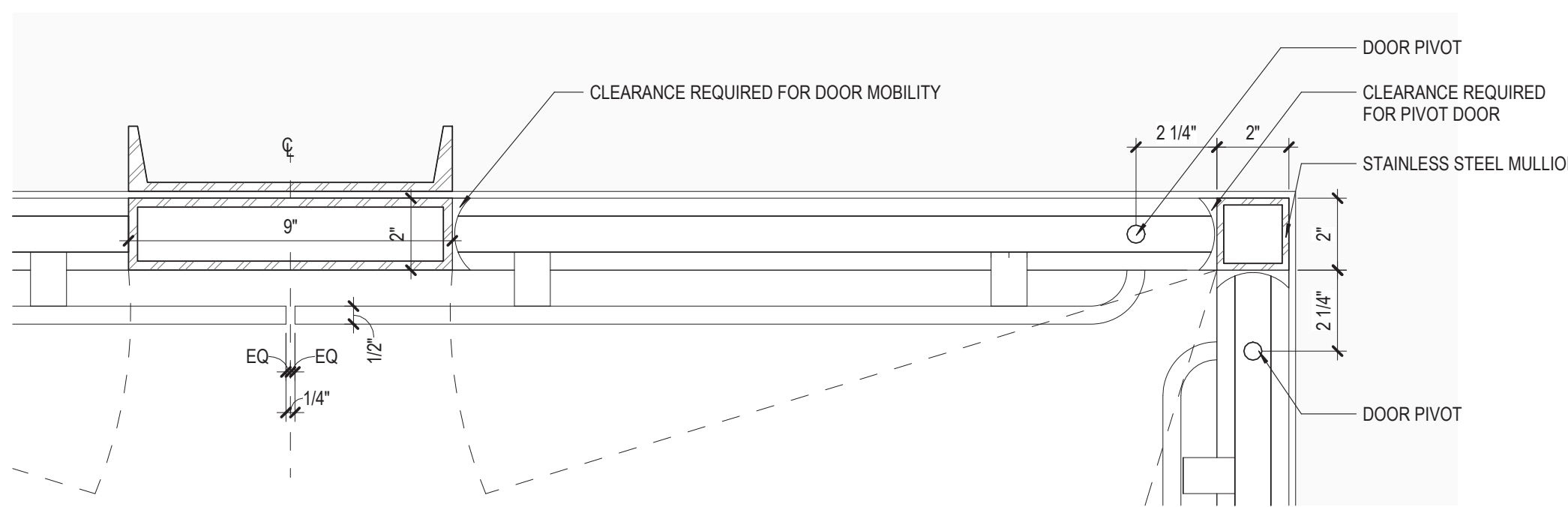
5 ELEV 02 INT PANEL
3" = 1'-0"



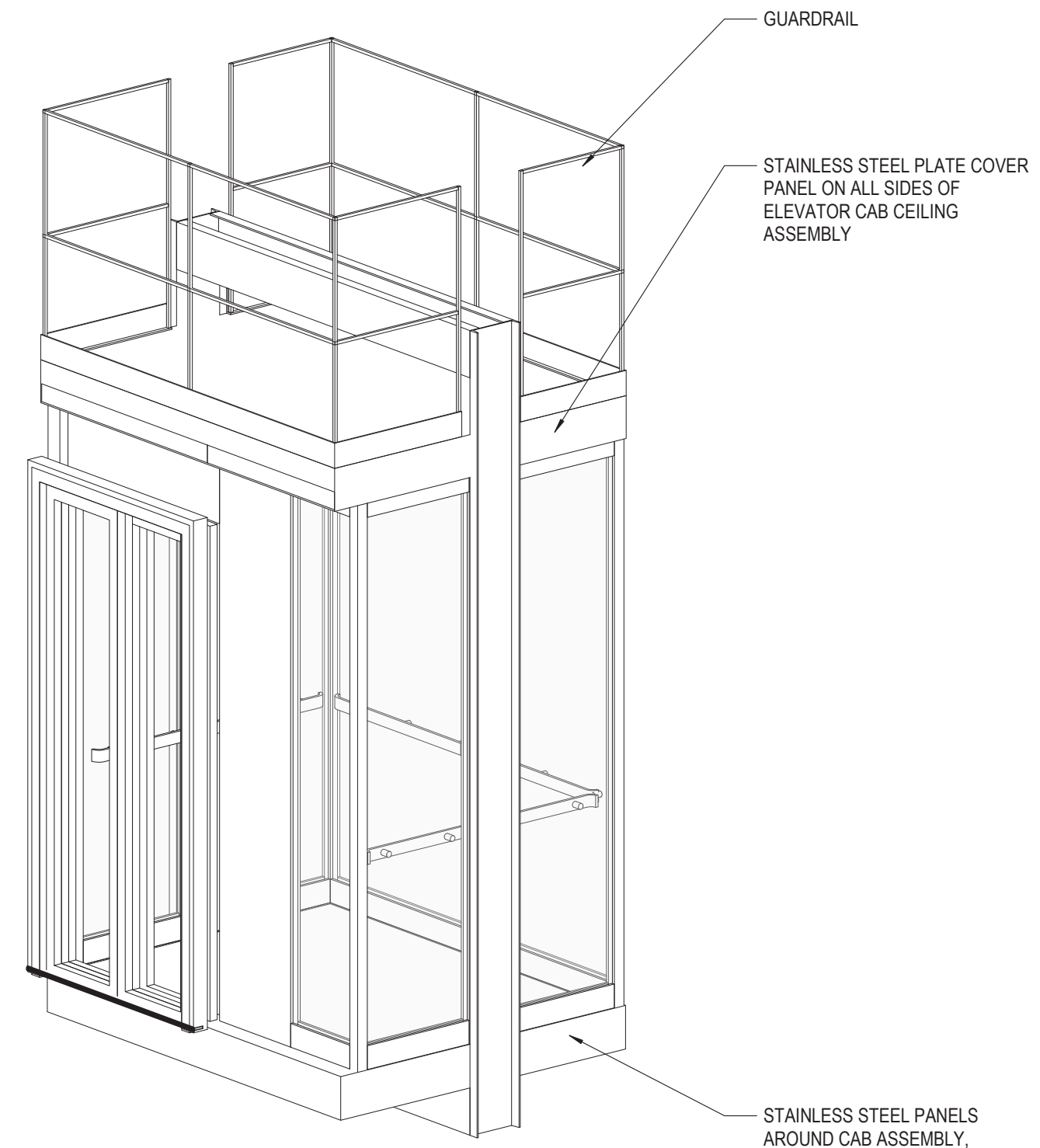
4 ELEV 02 PLAN
1/2" = 1'-0"



3 ELEV 02 RCP
1/2" = 1'-0"



2 TYP. ELEV 02 CAB CORNER DETAIL
3" = 1'-0"



1 ELEV 02 AXON

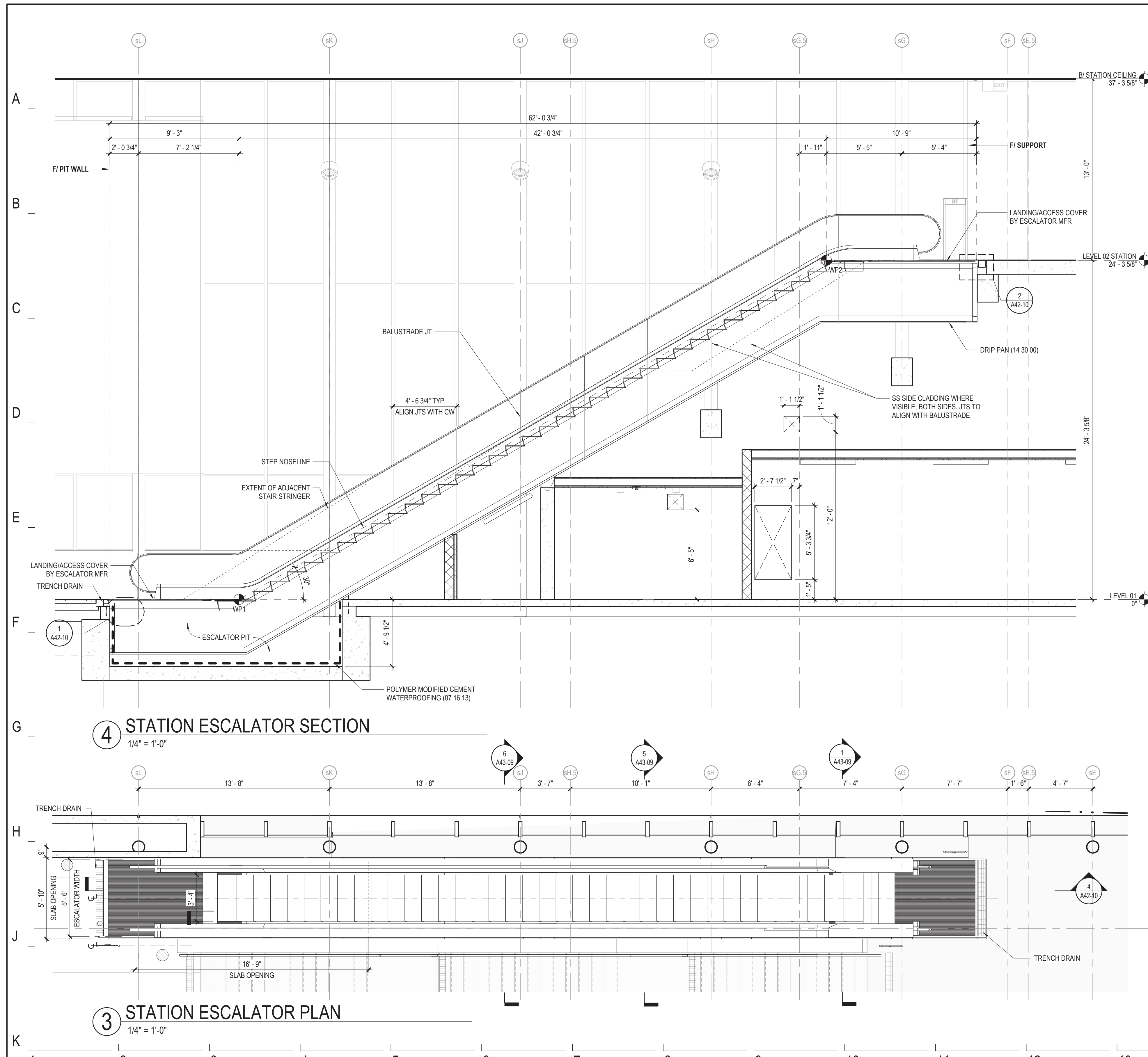
- ELEVATOR NOTES**
1. PROVIDE TWO DRAWER METAL FILE CABINET IN EACH ELEVATOR CONTROL ROOM.
 2. REFER TO SPECIFICATION (14 21 00) FOR ADDITIONAL INFORMATION.
 3. PROVIDE ANTI-GRAFFITI COATING ON ALL ELEVATOR GLASS CAB SURFACES.
 4. SLOPE ALL FLOOR SURFACES ADJACENT TO ELEVATOR HALL DOOR AWAY FROM HOISTWAY AT 1% MINIMUM.

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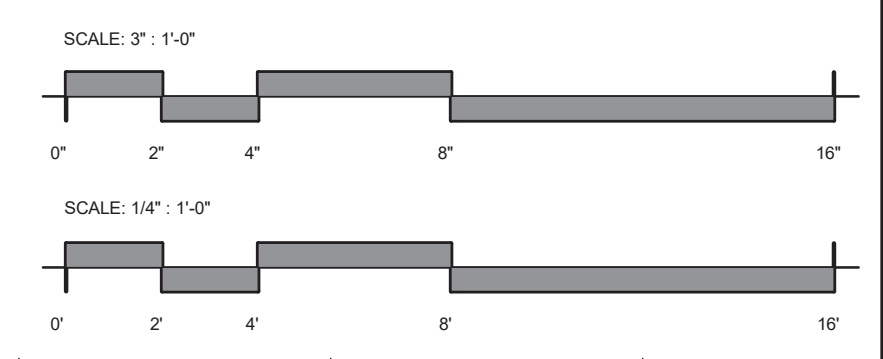
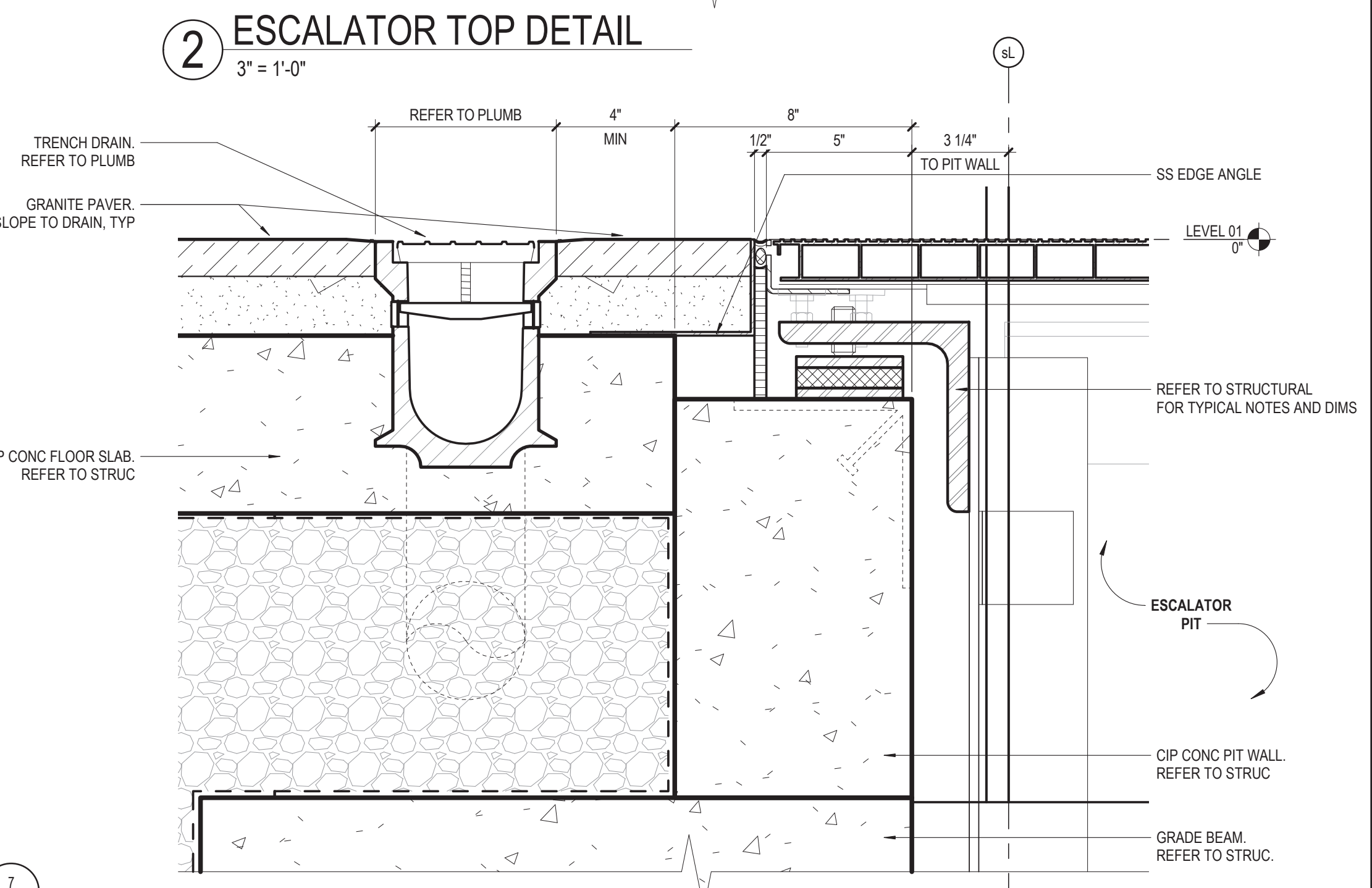
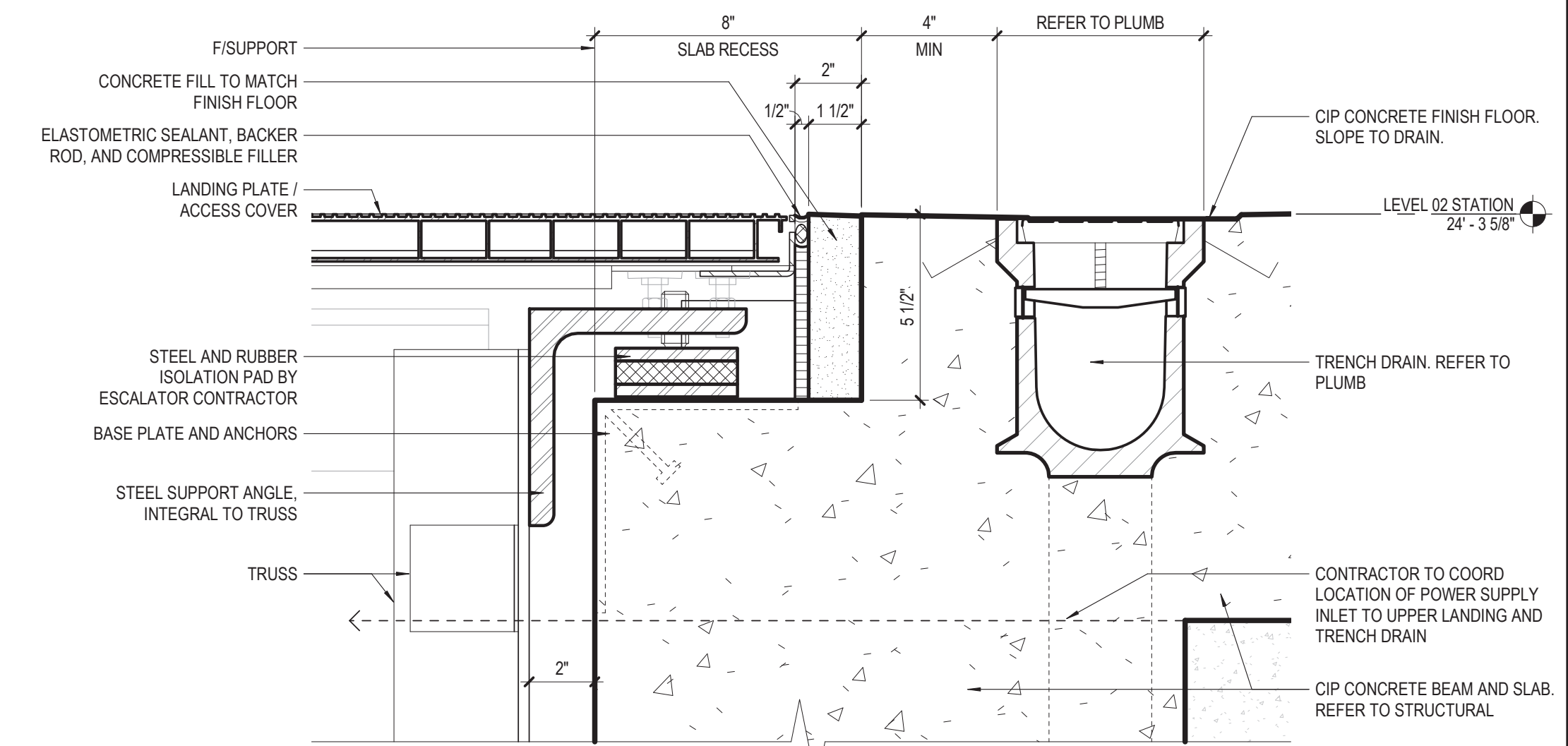
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154 N DAMEN AVE - DAMEN GREEN LINE STATION	SPEC. NO.
ENLARGED ELEVATOR PLANS & ELEVATIONS	DRAWING NO. A42-06
CDOT PROJECT D-7-135	REVISION NO.
DATE: 01/27/2020	



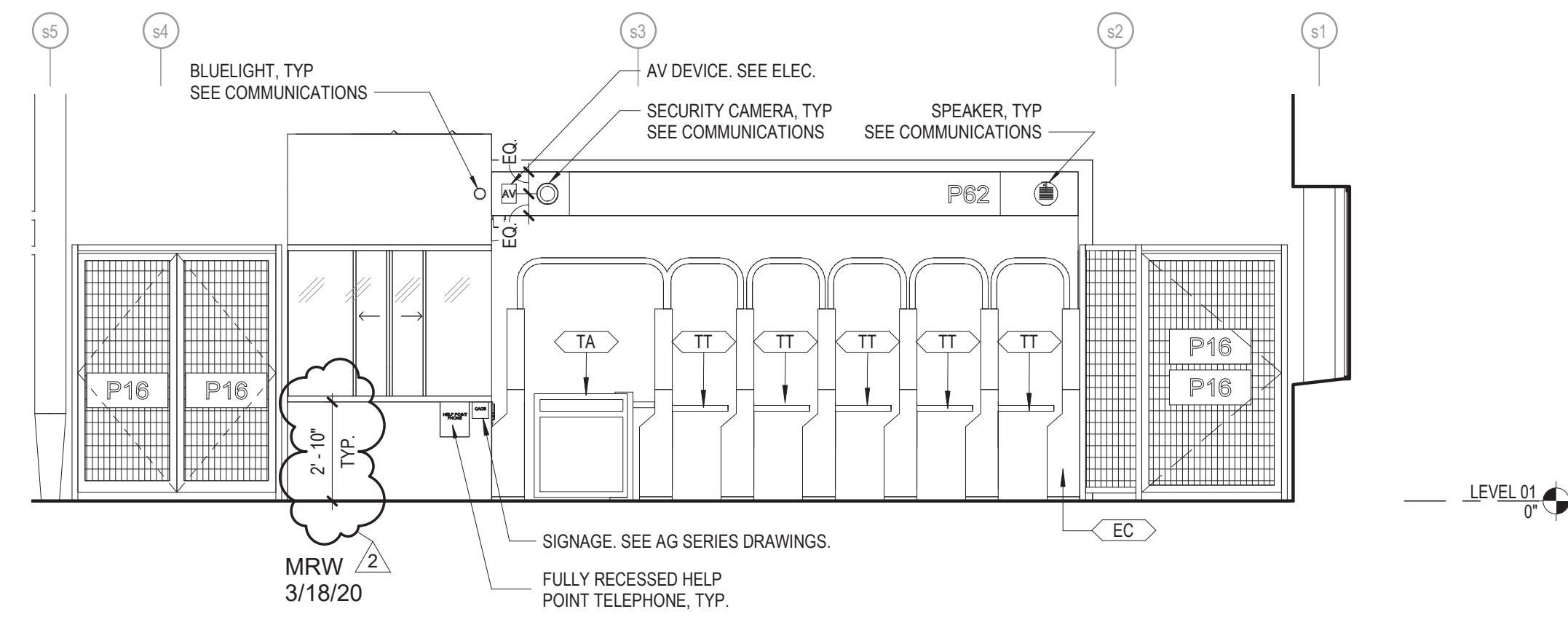
ESCALATOR NOTES

1. CONFIRM ALL DIMENSIONS WITH FINAL ESCALATOR MANUFACTURER SELECTION.
2. REFER TO (14 30 00) FOR ADDITIONAL INFORMATION.

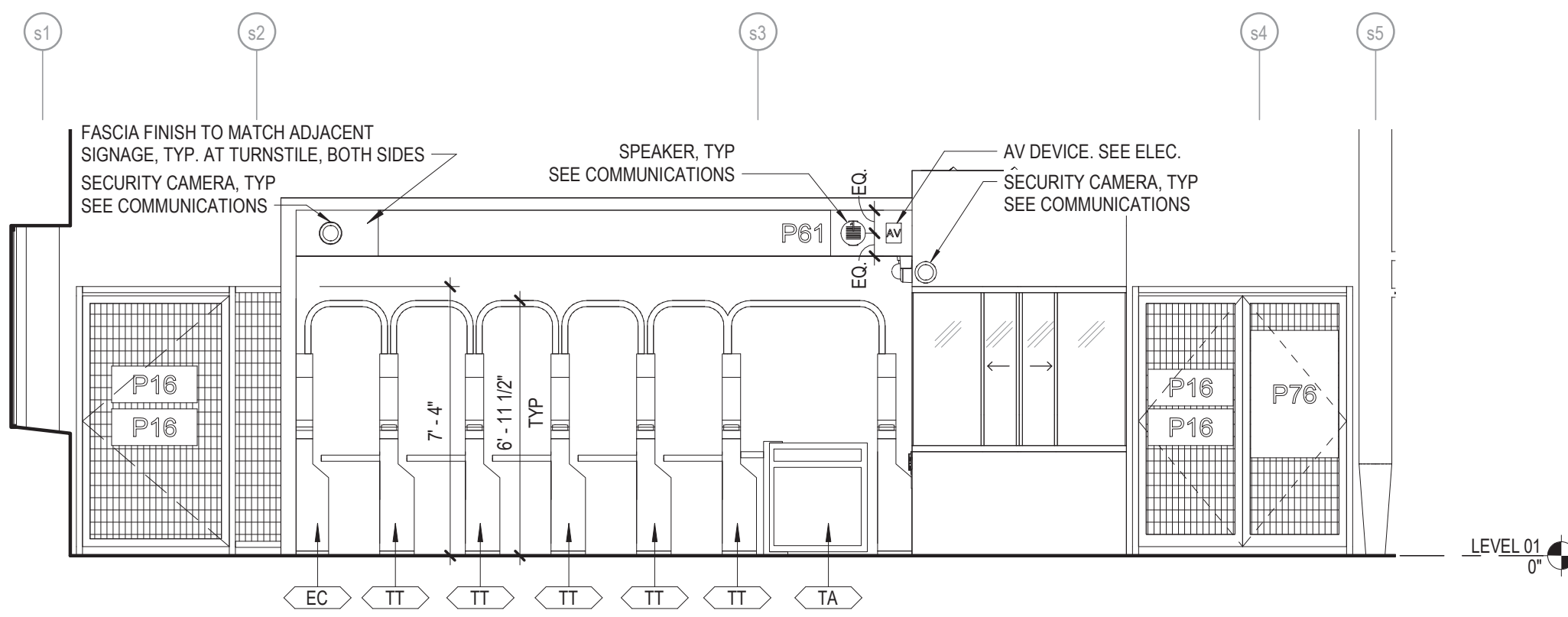


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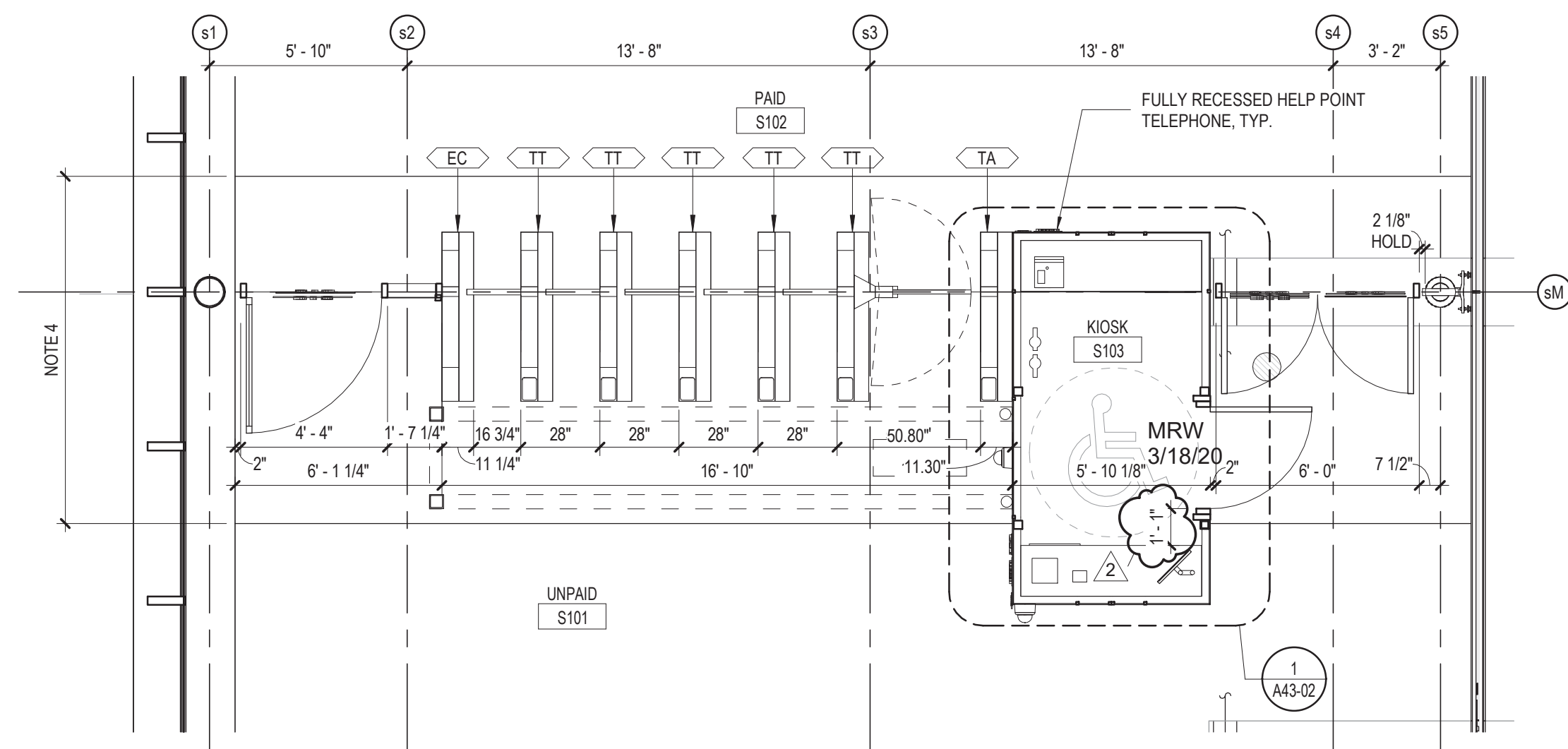
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		ENLARGED ESCALATOR PLANS & SECTIONS	DRAWING NO. A42-10
		CDOT PROJECT D-7-135	DATE: 01/27/2020



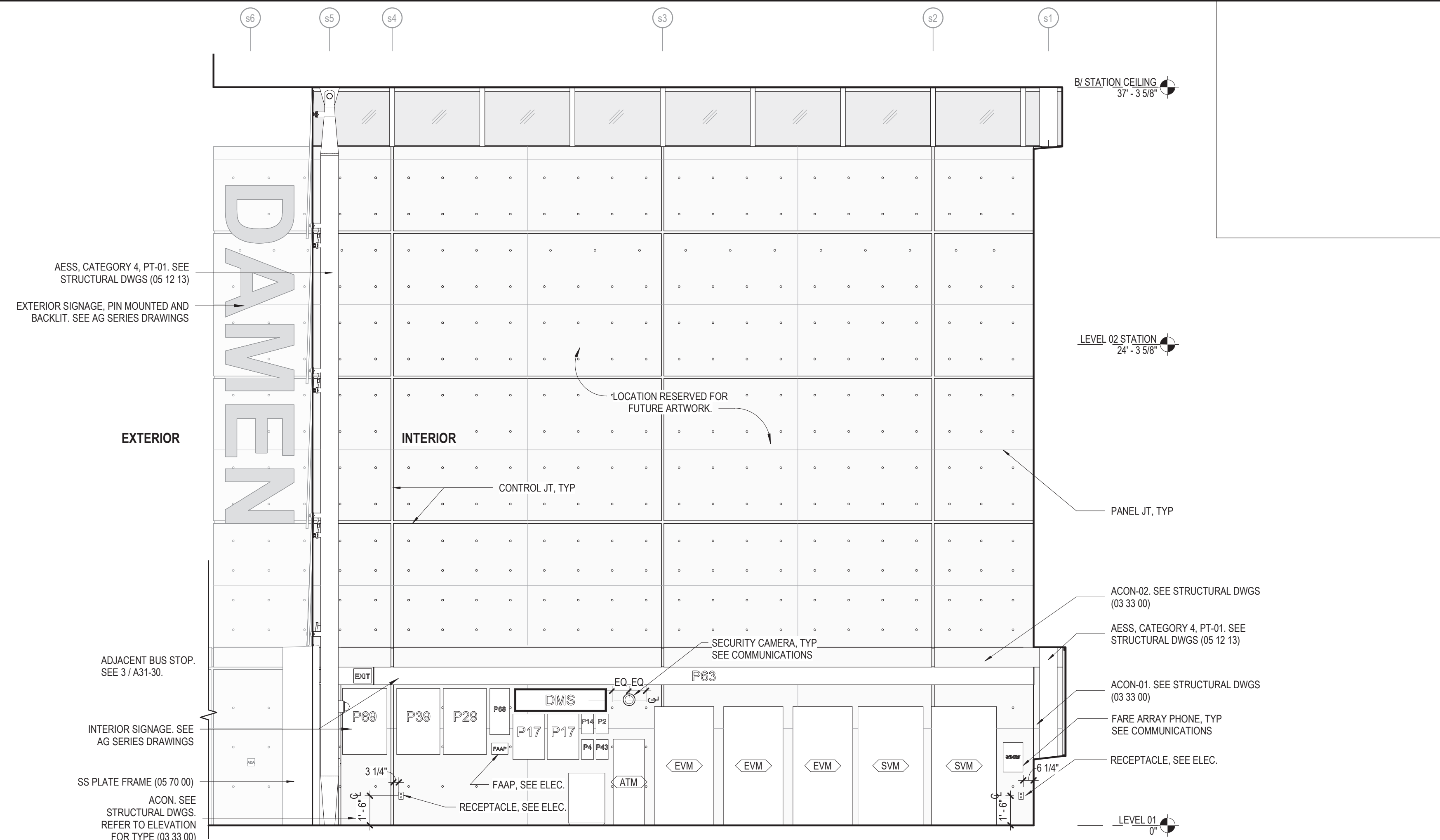
6 INTERIOR ELEVATION @ STATION FARE ARRAY - NORTH
1/4" = 1'-0"



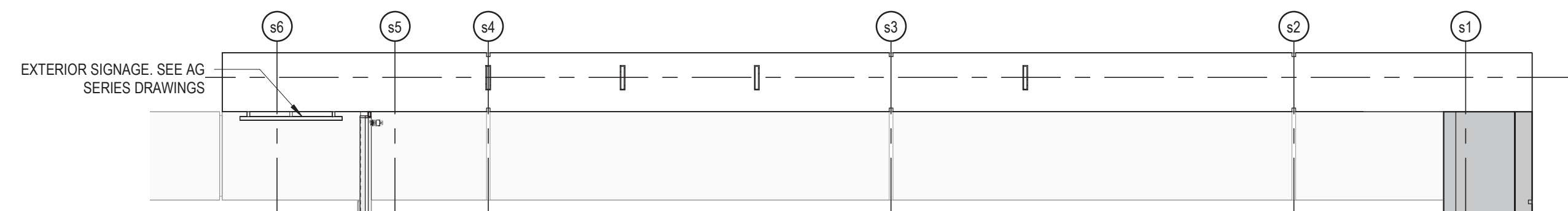
5 INTERIOR ELEVATION @ STATION FARE ARRAY - SOUTH
1/4" = 1'-0"



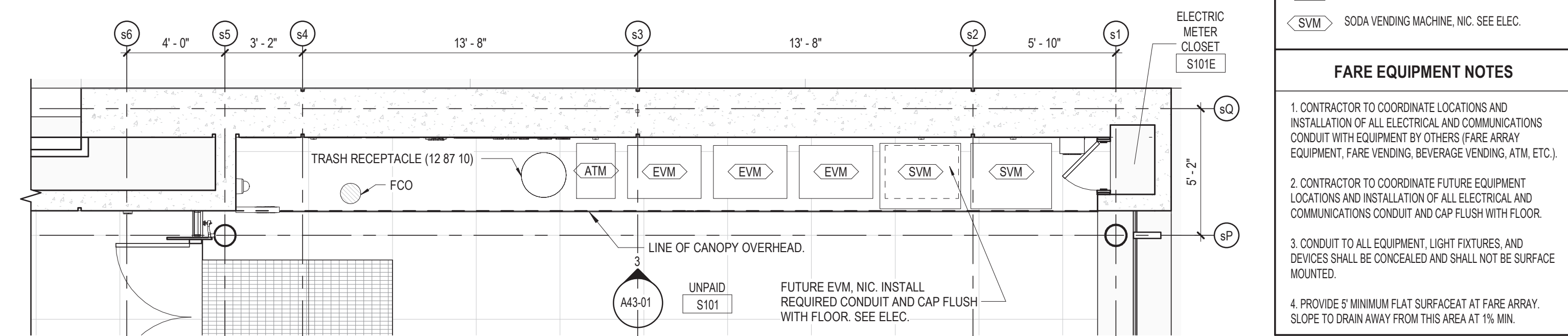
4 PLAN @ STATION FARE ARRAY
1/4" = 1'-0"



3 ENLARGED INTERIOR ELEVATION - FARE EQUIPMENT
1/4" = 1'-0"



2 ENLARGED STATION FARECARD PLAN - LEVEL 02
1/4" = 1'-0"

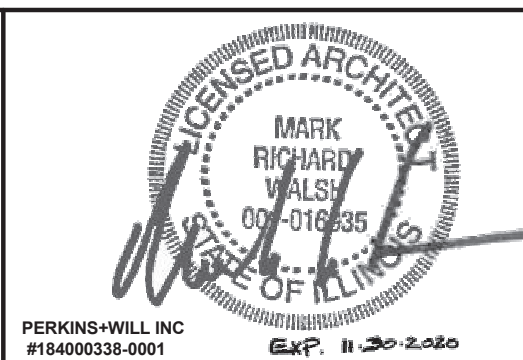


1 ENLARGED FARE EQUIPMENT PLAN - LEVEL 01
1/4" = 1'-0"

FARE EQUIPMENT LEGEND	
EC	END CABINET
TT	TURNSTILE
TA	ACCESSIBLE TURNSTILE
EVM	EXPRESS VENDING MACHINE
ATM	ATM, NIC. SEE ELEC.
SVM	SODA VENDING MACHINE, NIC. SEE ELEC.

FARE EQUIPMENT NOTES	
1.	CONTRACTOR TO COORDINATE LOCATIONS AND INSTALLATION OF ALL ELECTRICAL AND COMMUNICATIONS CONDUIT WITH EQUIPMENT BY OTHERS (FARE ARRAY EQUIPMENT, FARE VENDING, BEVERAGE VENDING, ATM, ETC.).
2.	CONTRACTOR TO COORDINATE FUTURE EQUIPMENT LOCATIONS AND INSTALLATION OF ALL ELECTRICAL AND COMMUNICATIONS CONDUIT AND CAP FLUSH WITH FLOOR.
3.	CONDUIT TO ALL EQUIPMENT, LIGHT FIXTURES, AND DEVICES SHALL BE CONCEALED AND SHALL NOT BE SURFACE MOUNTED.
4.	PROVIDE 5' MINIMUM FLAT SURFACE AT FARE ARRAY. SLOPE TO DRAIN AWAY FROM THIS AREA AT 1% MIN.

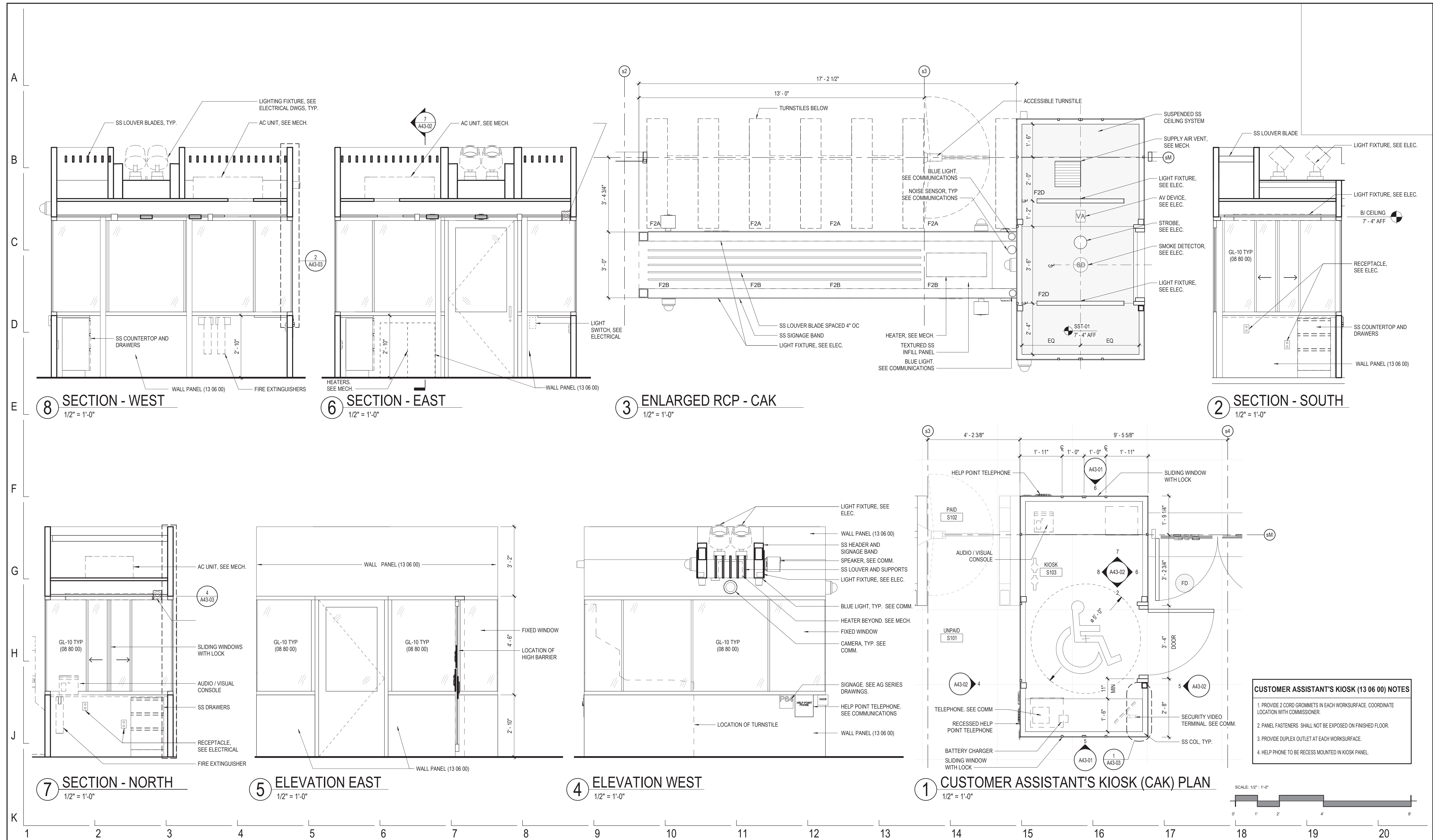
DESIGN BY:									
DRAWN BY:									
CHECKED BY:									
APPROVED BY:		03/18/20	BUILDING PERMIT CORRECTIONS 2	BS	AS	JH			
CDOT/APPROVED BY:	NO.	DATE	REVISIONS	DES.	DRW.	CHK.	DCCO	CDOT	



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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ENLARGED INTERIOR PLANS & ELEVATIONS - CAK & FARE ARRAY		DRAWING NO. A43-01
CDOT PROJECT D-7-135	DATE: 03/18/20	REVISION NO.



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

ENLARGED INTERIOR PLANS & ELEVATIONS - CAK & FARE ARRAY

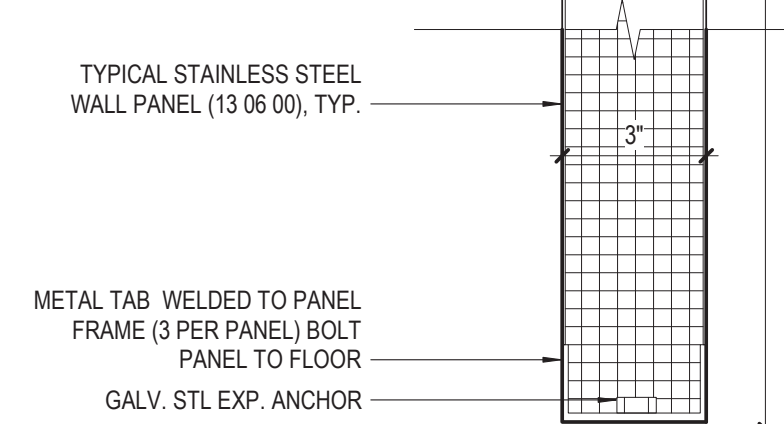
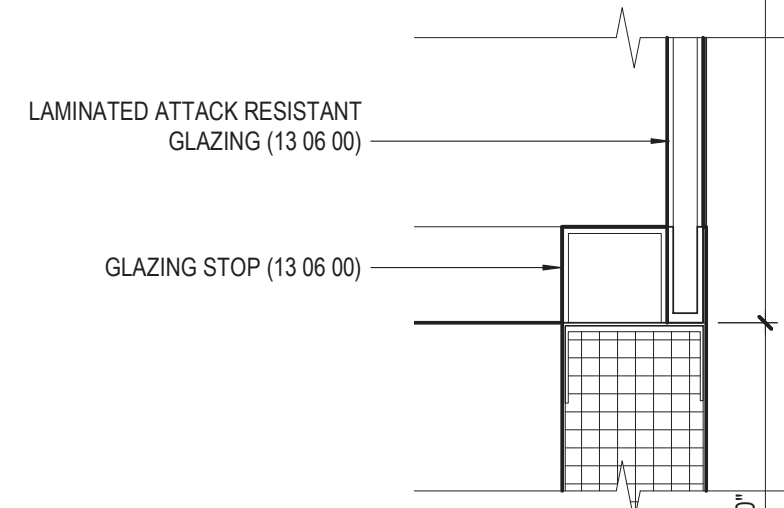
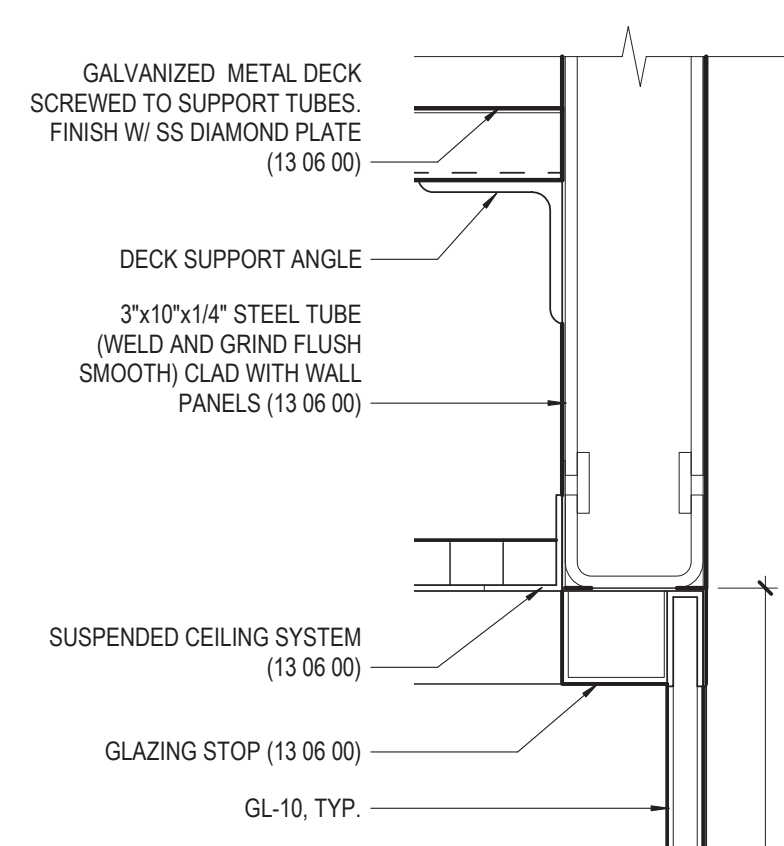
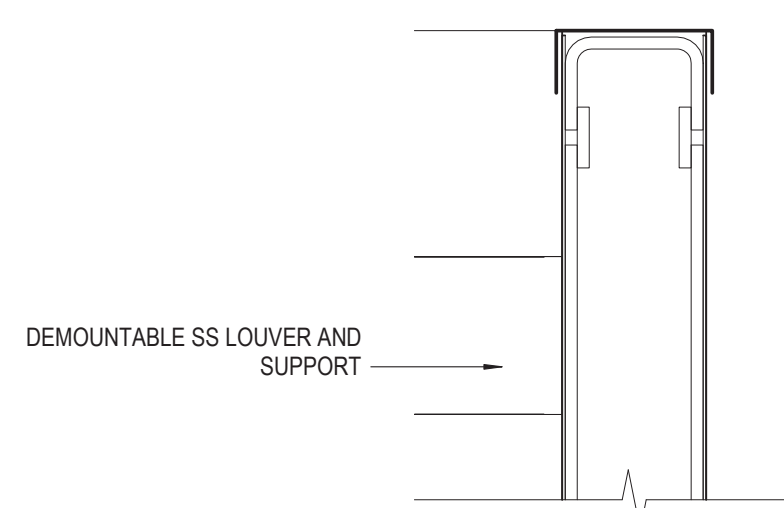
CDOT PROJECT D-7-135

DATE: 01/27/2020

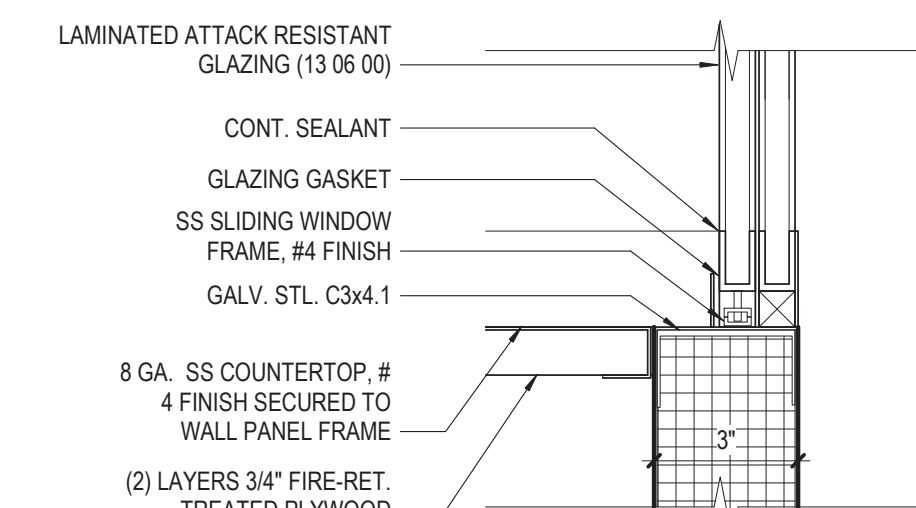
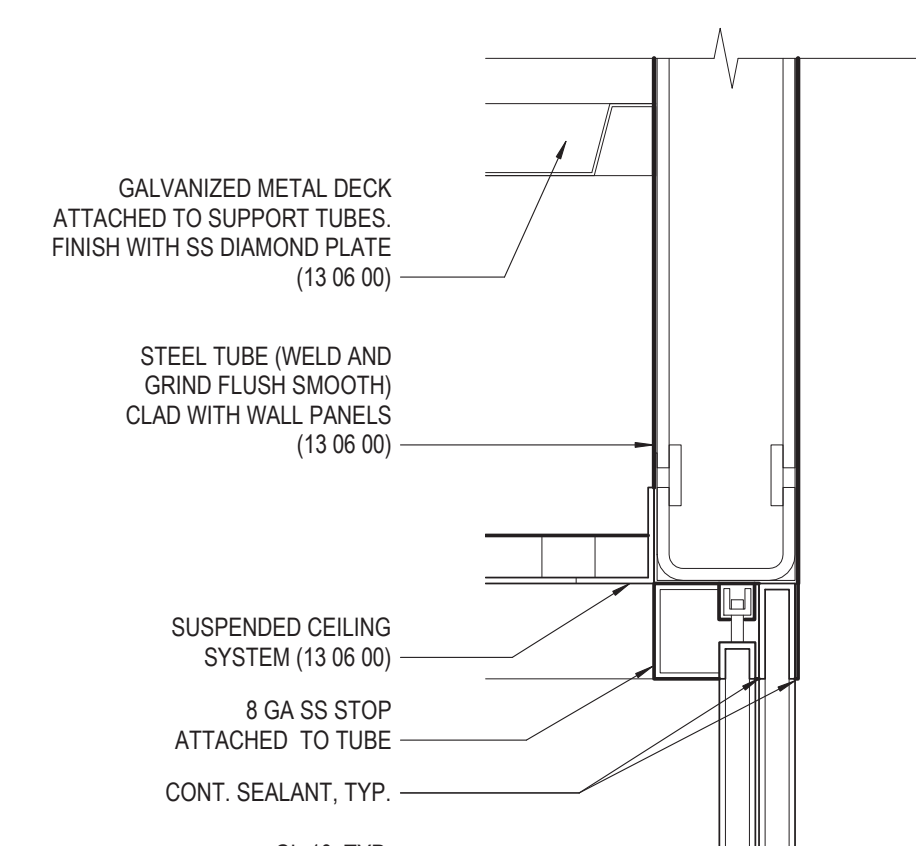
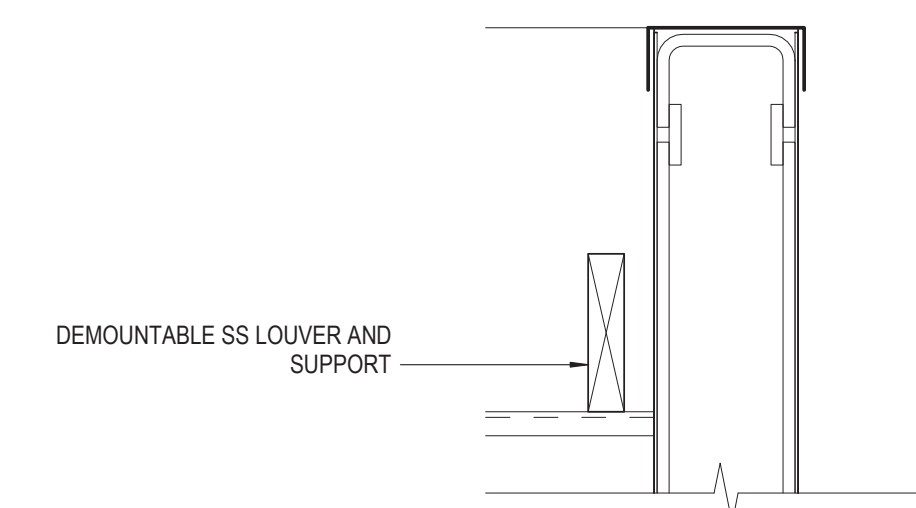
SPEC. NO.	
DRAWING NO.	A43-02
REVISION NO.	

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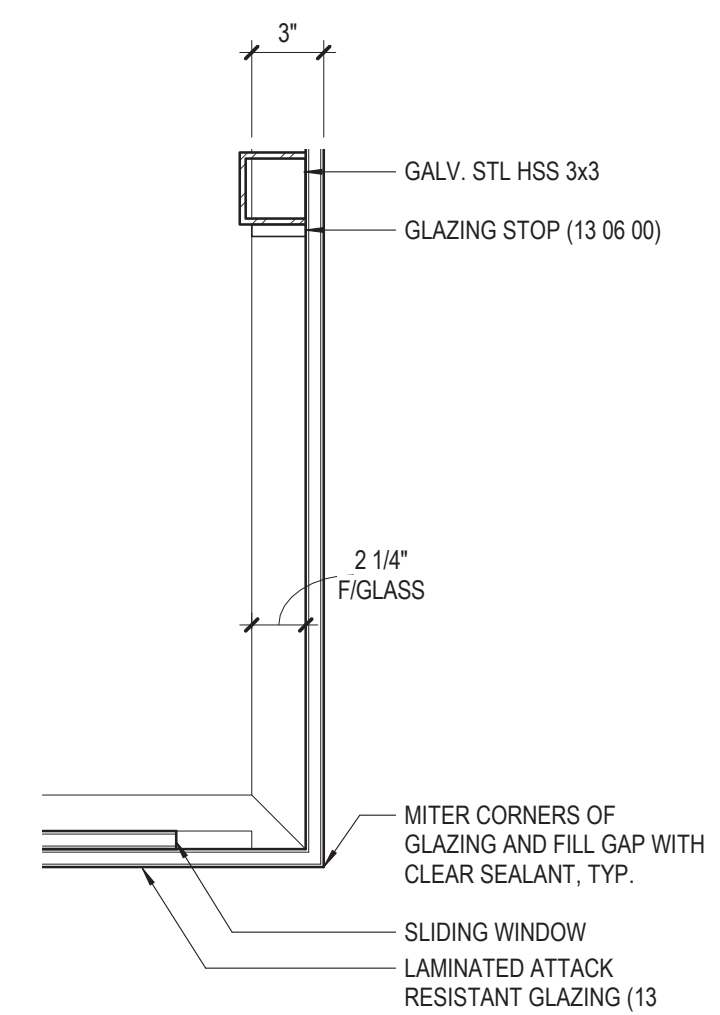
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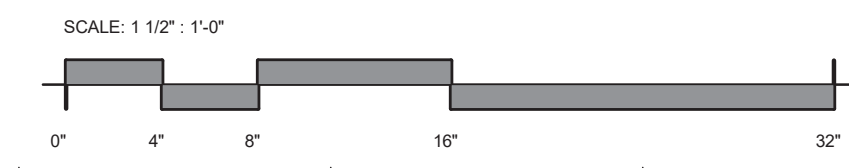
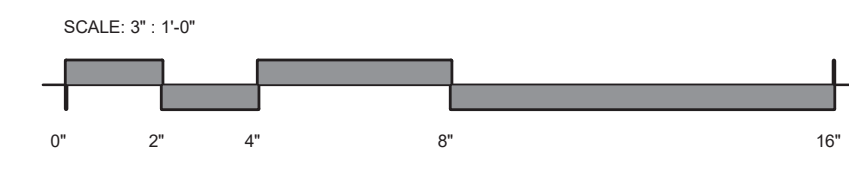
④ SECTION DETAIL
3" = 1'-0"



② SECTION DETAIL
3" = 1'-0"



① PLAN DETAIL
1 1/2" = 1'-0"



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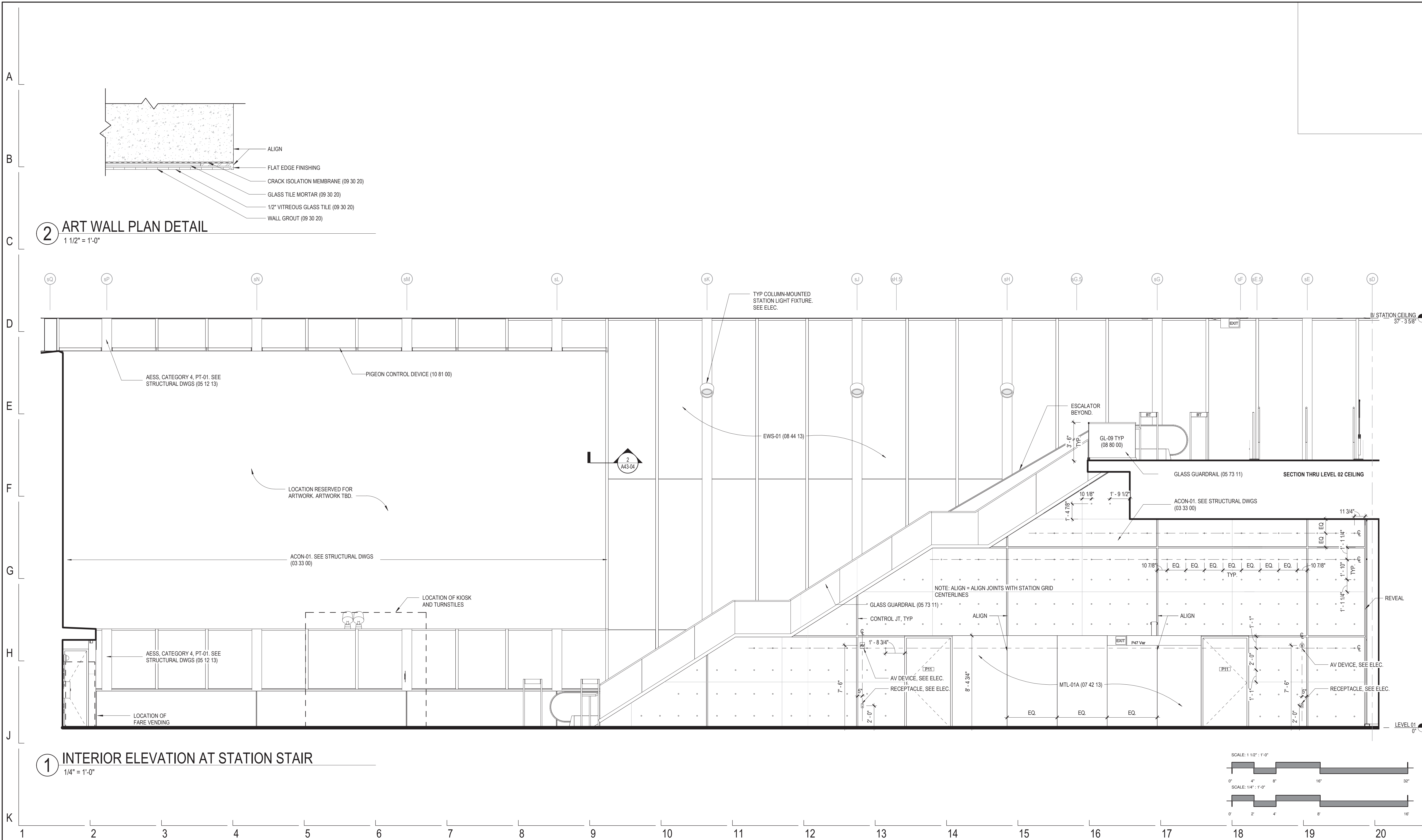
154 N DAMEN AVE - DAMEN GREEN LINE STATION

CAK DETAILS

CDOT PROJECT D-7-135

DATE: 01/27/2020

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DRAWING NO.	A43-03
REVISION NO.	



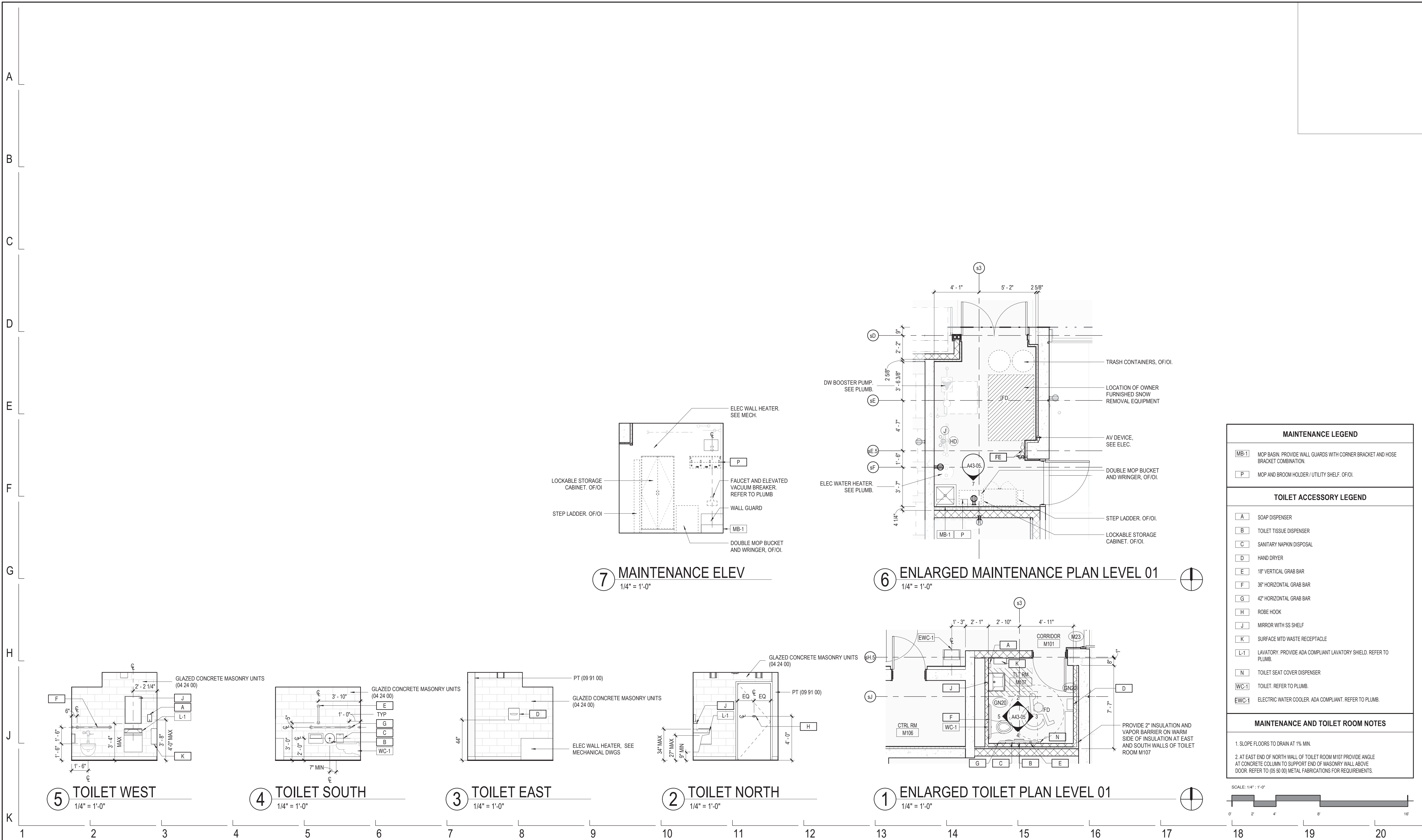
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
ENLARGED INTERIOR PLANS & ELEVATIONS - LEVEL 01
CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
DRAWING NO.
A43-04
REVISION NO.



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

ENLARGED INTERIOR PLANS & ELEVATIONS - LEVEL 01 TOILET ROOM

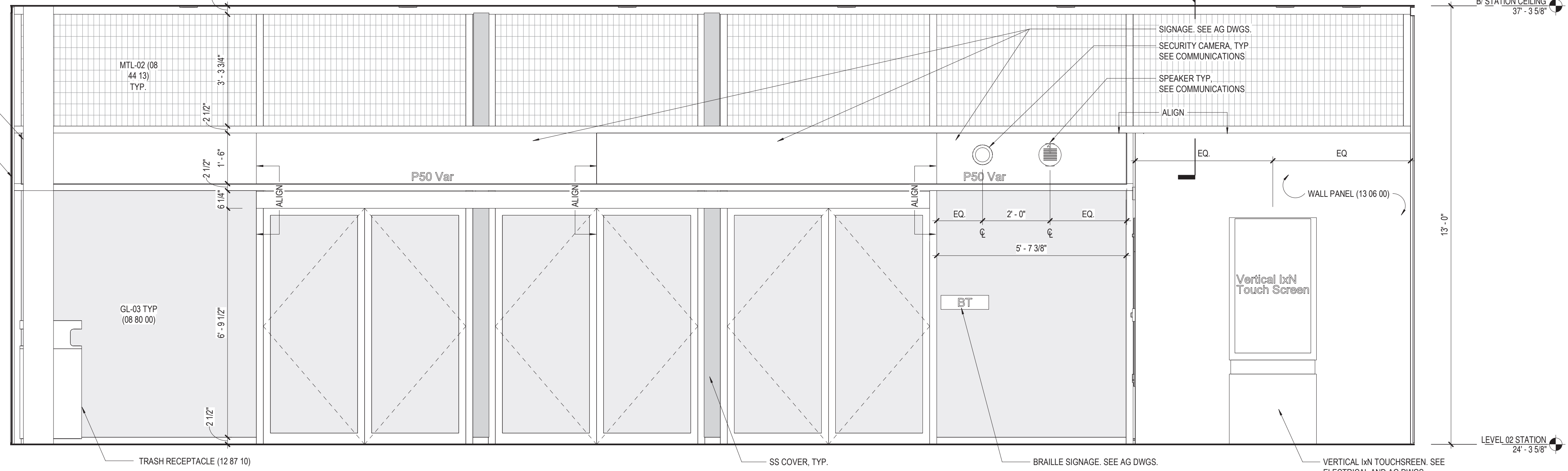
CDOT PROJECT D-7-135

DATE: 01/27/2020

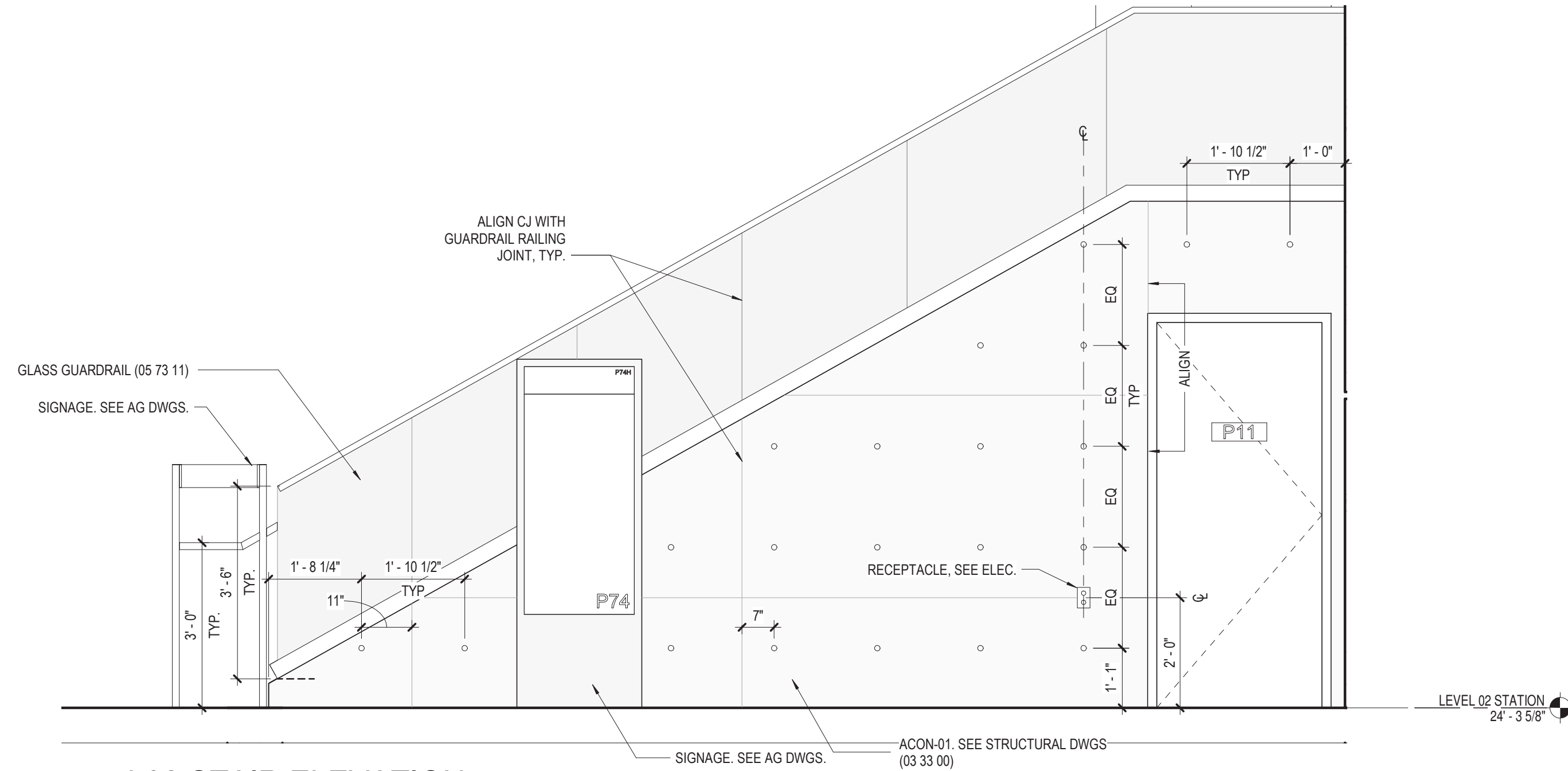
SPEC. NO.	
DRAWING NO.	A43-05
REVISION NO.	

AESS, CATEGORY 4, PT. 01. SEE STRUCTURAL DWGS (05 12 13)

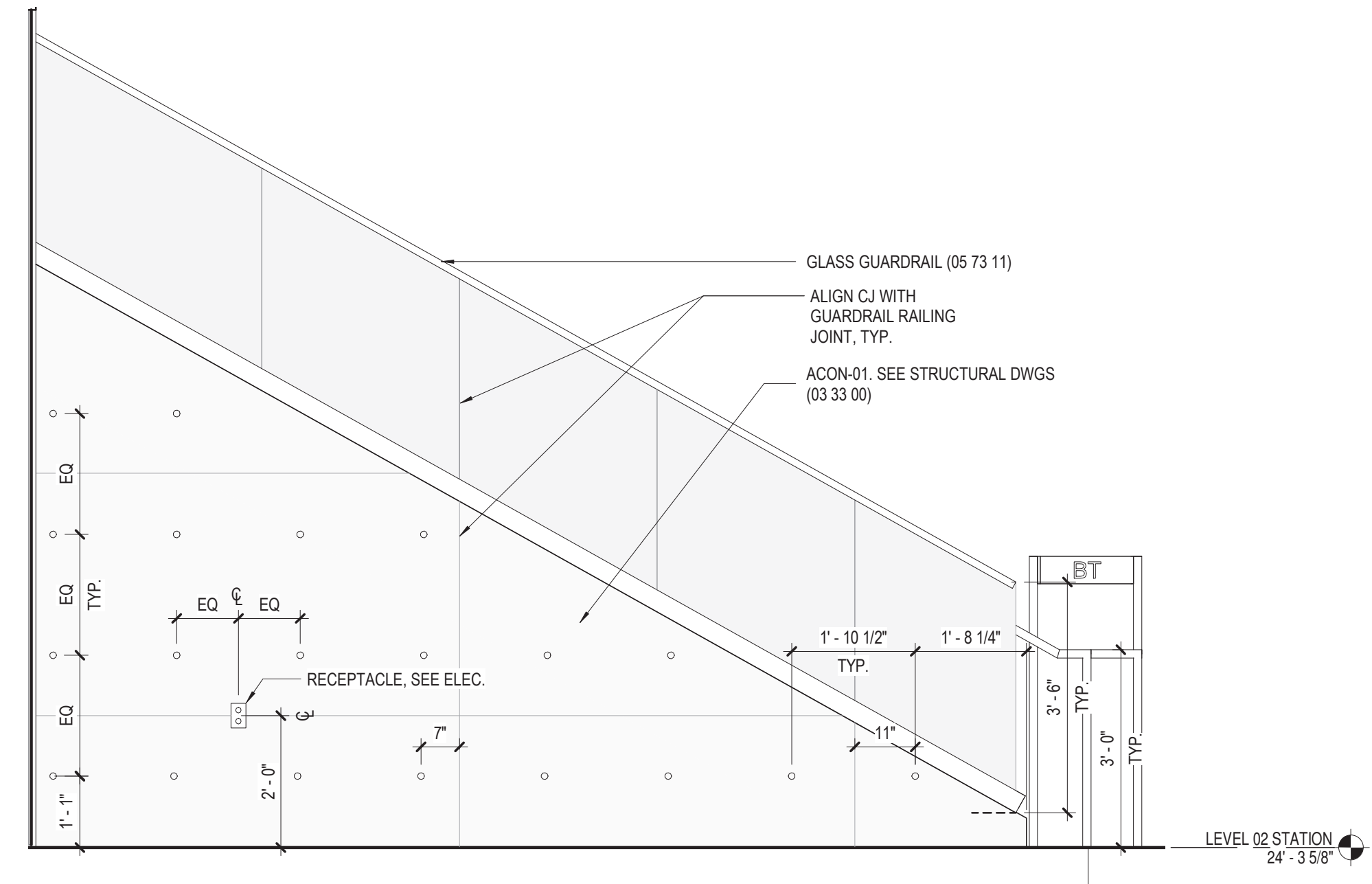
EWS-01 (08 44 13)



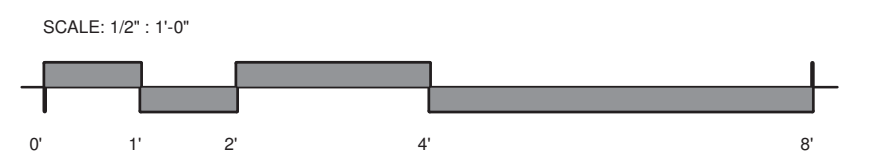
3 L02 NORTH INTERIOR ELEVATION
1/2" = 1'-0"



2 L02 STAIR ELEVATION
1/2" = 1'-0"



1 L02 STAIR ELEVATION
1/2" = 1'-0"



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

ENLARGED INTERIOR ELEVATIONS - LEVEL 02

SPEC. NO.

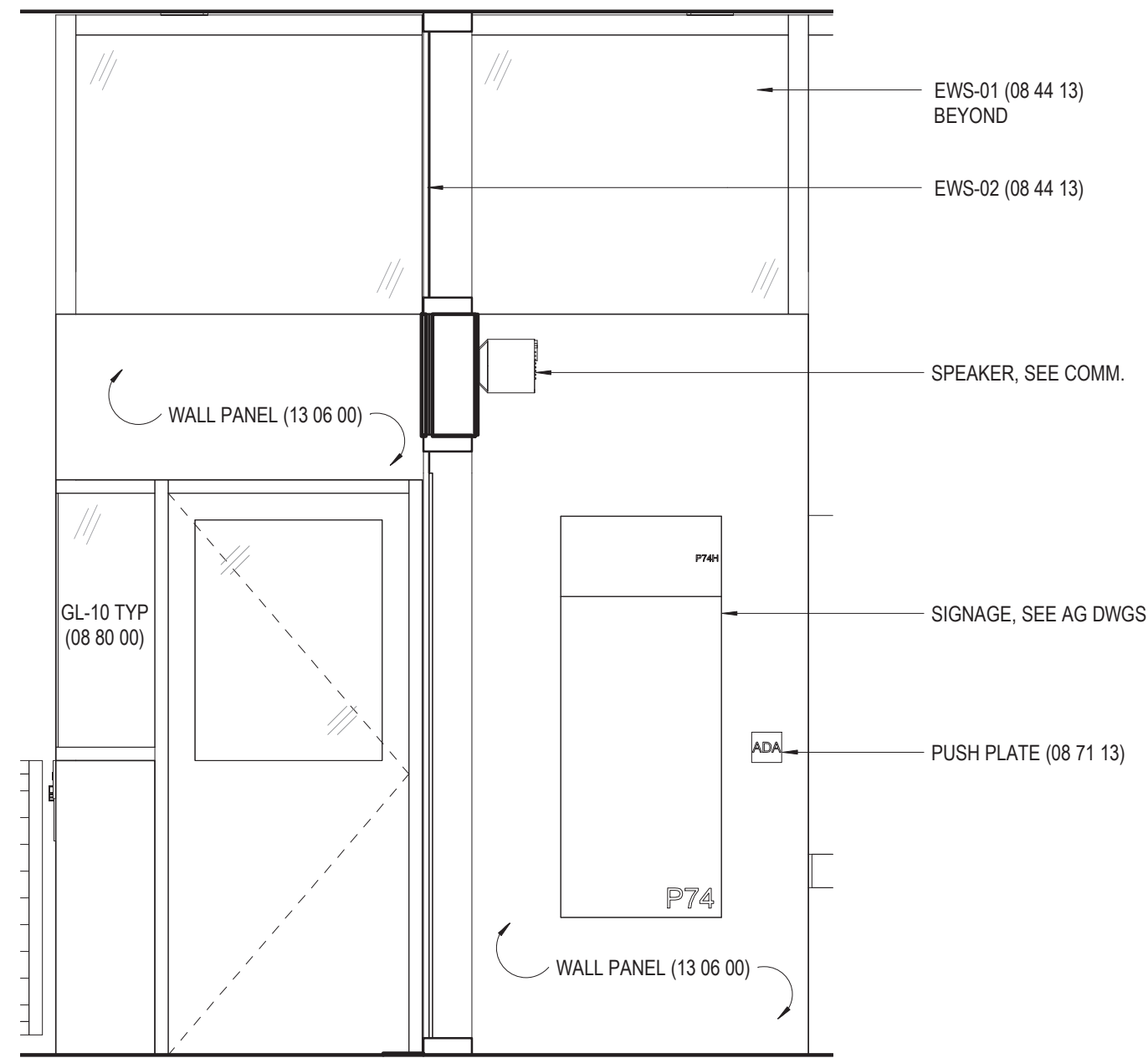
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A43-06

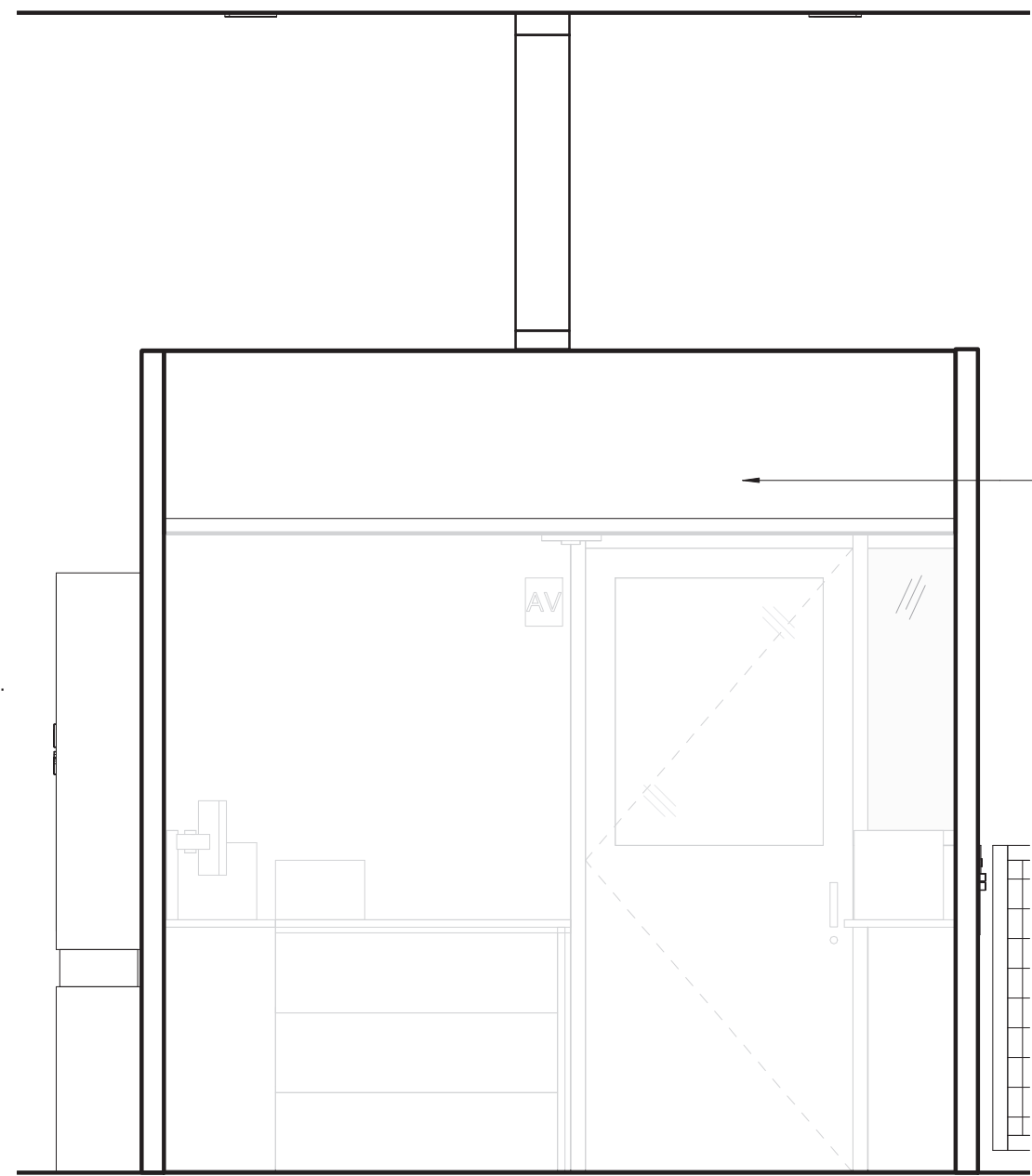
REVISION NO.

CDOT PROJECT D-7-135

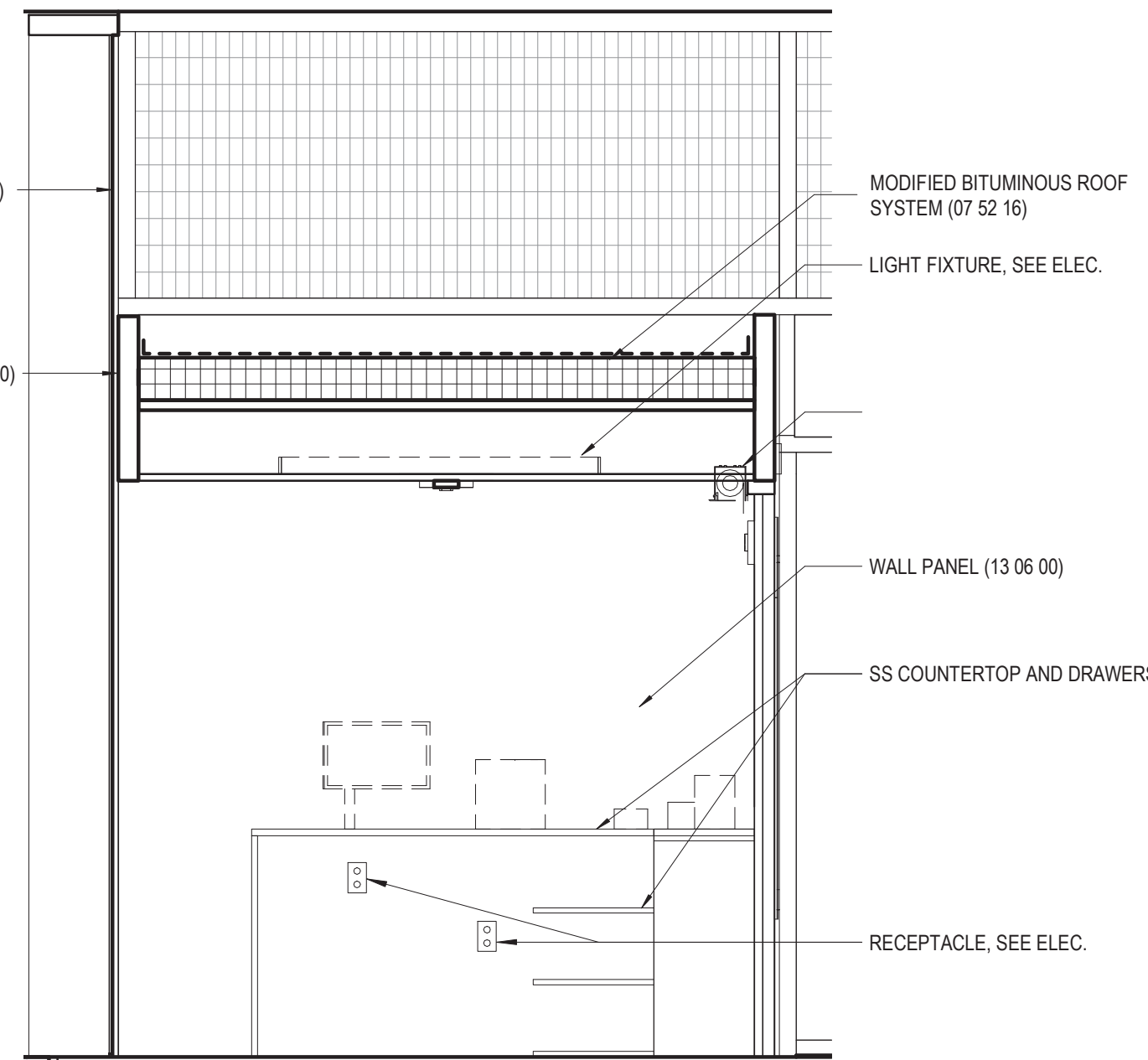
DATE: 01/27/2020



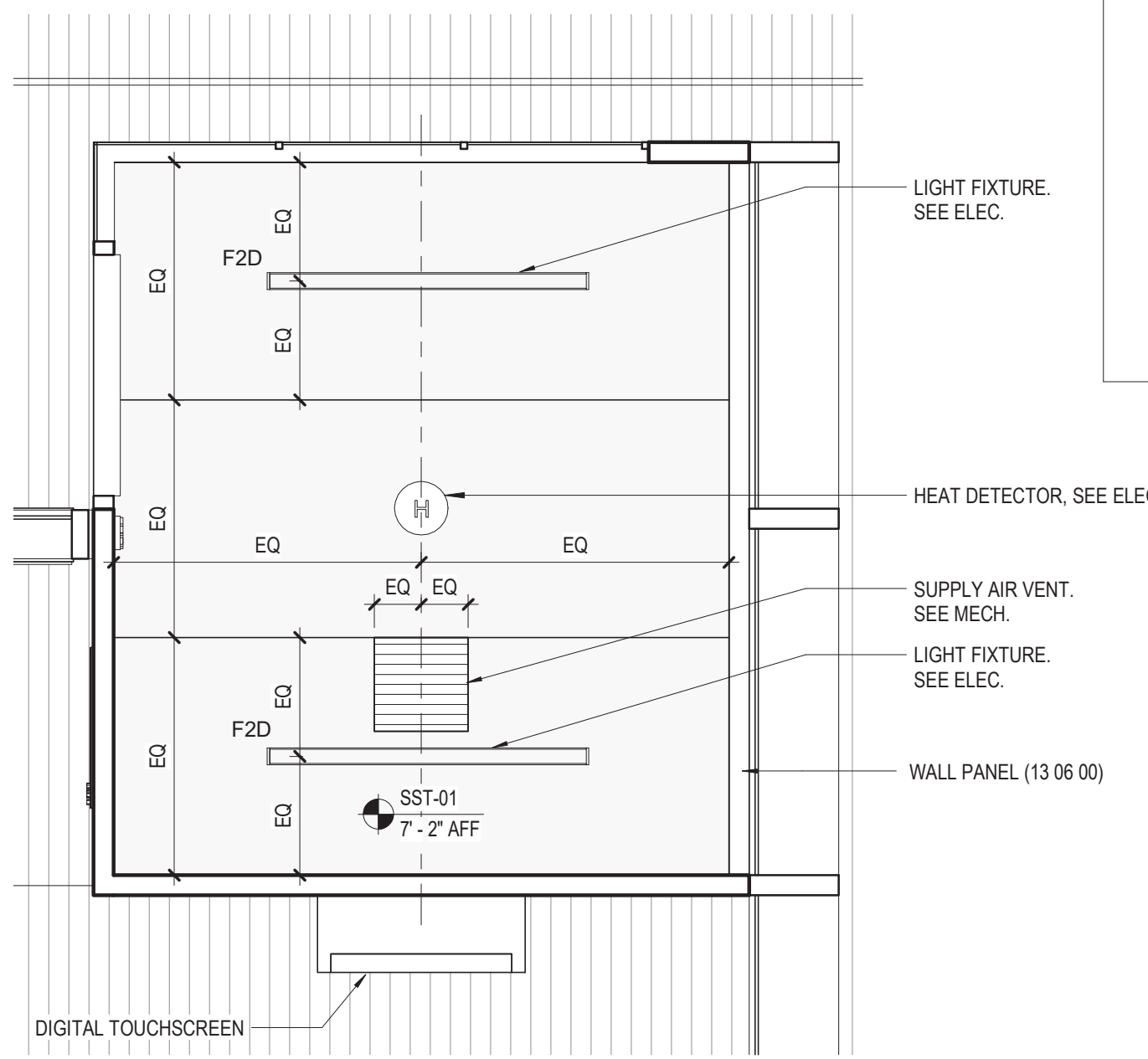
8 ELEVATION WEST
1/2" = 1'-0"



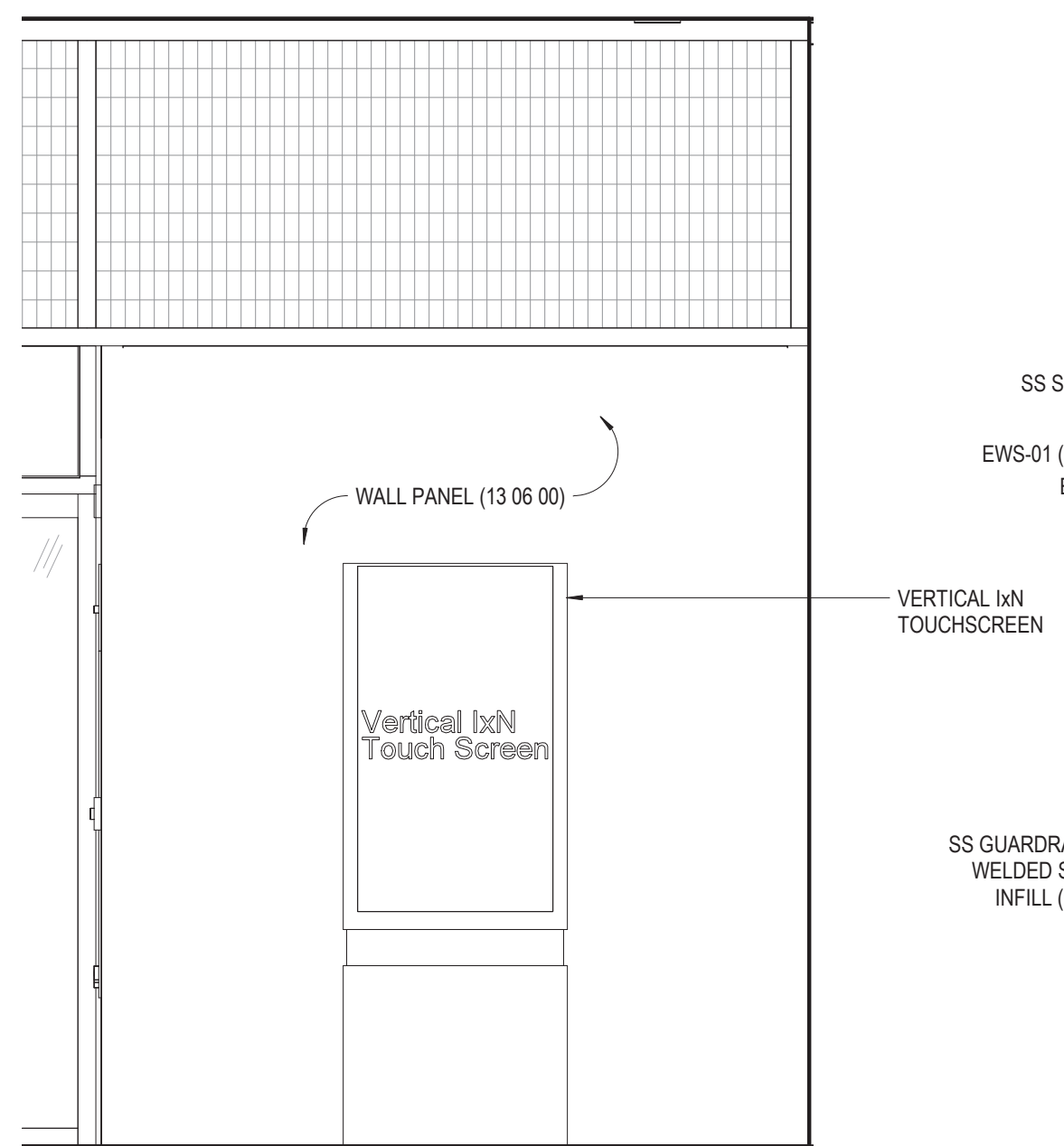
6 ELEVATION EAST
1/2" = 1'-0"



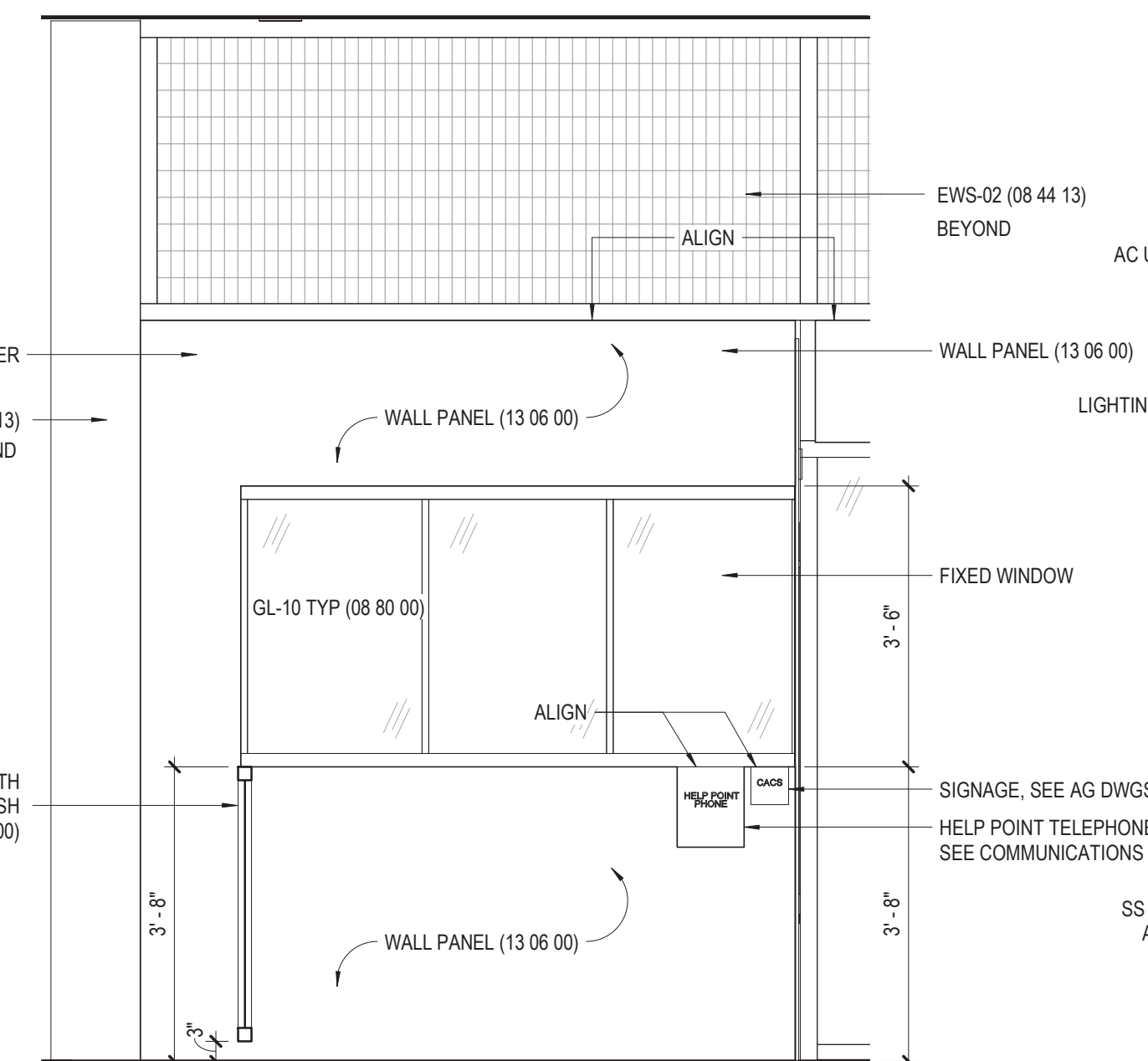
4 SECTION - SOUTH
1/2" = 1'-0"



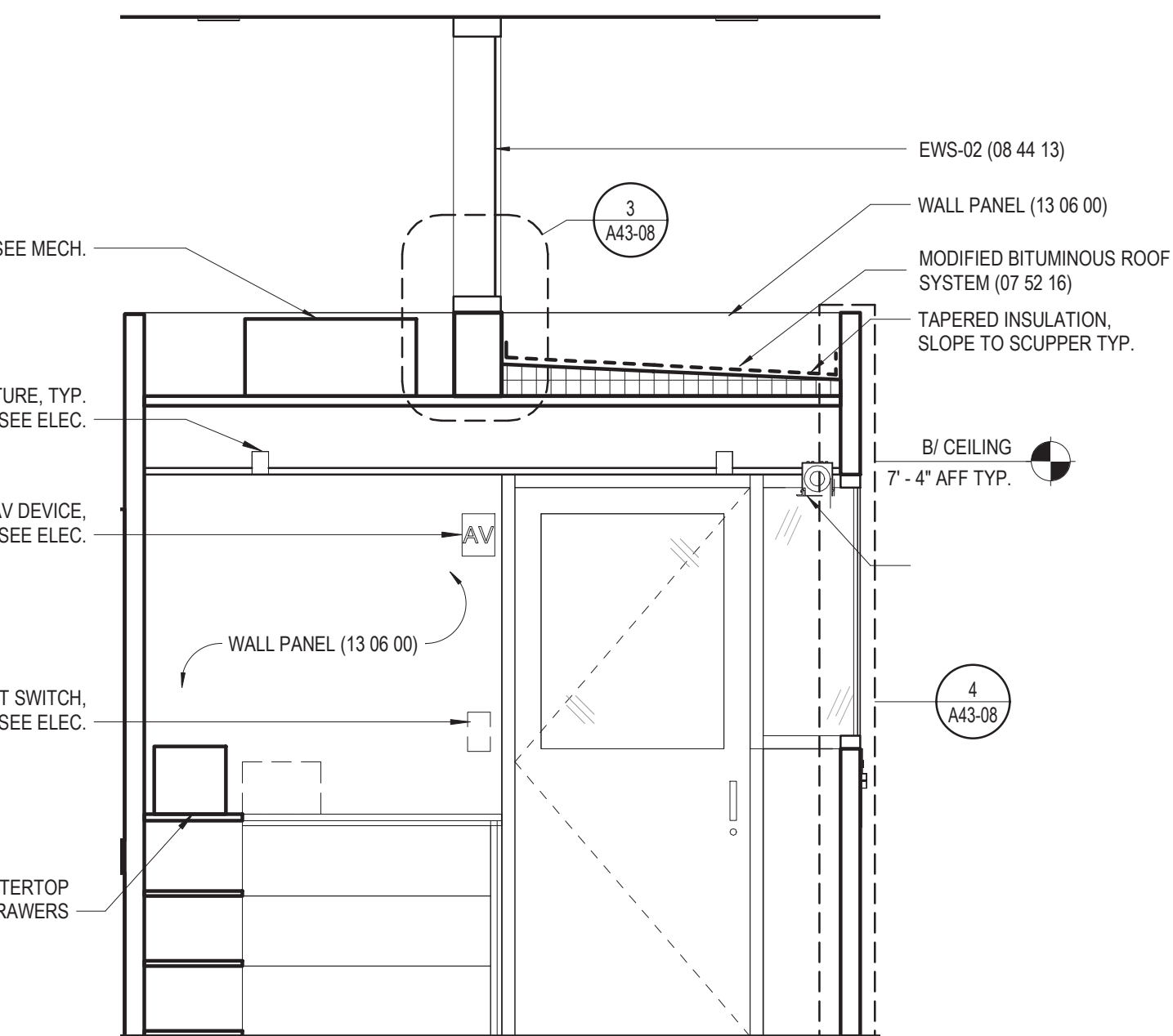
2 SUPERVISOR BOOTH (LEVEL 02) RCP
1/2" = 1'-0"



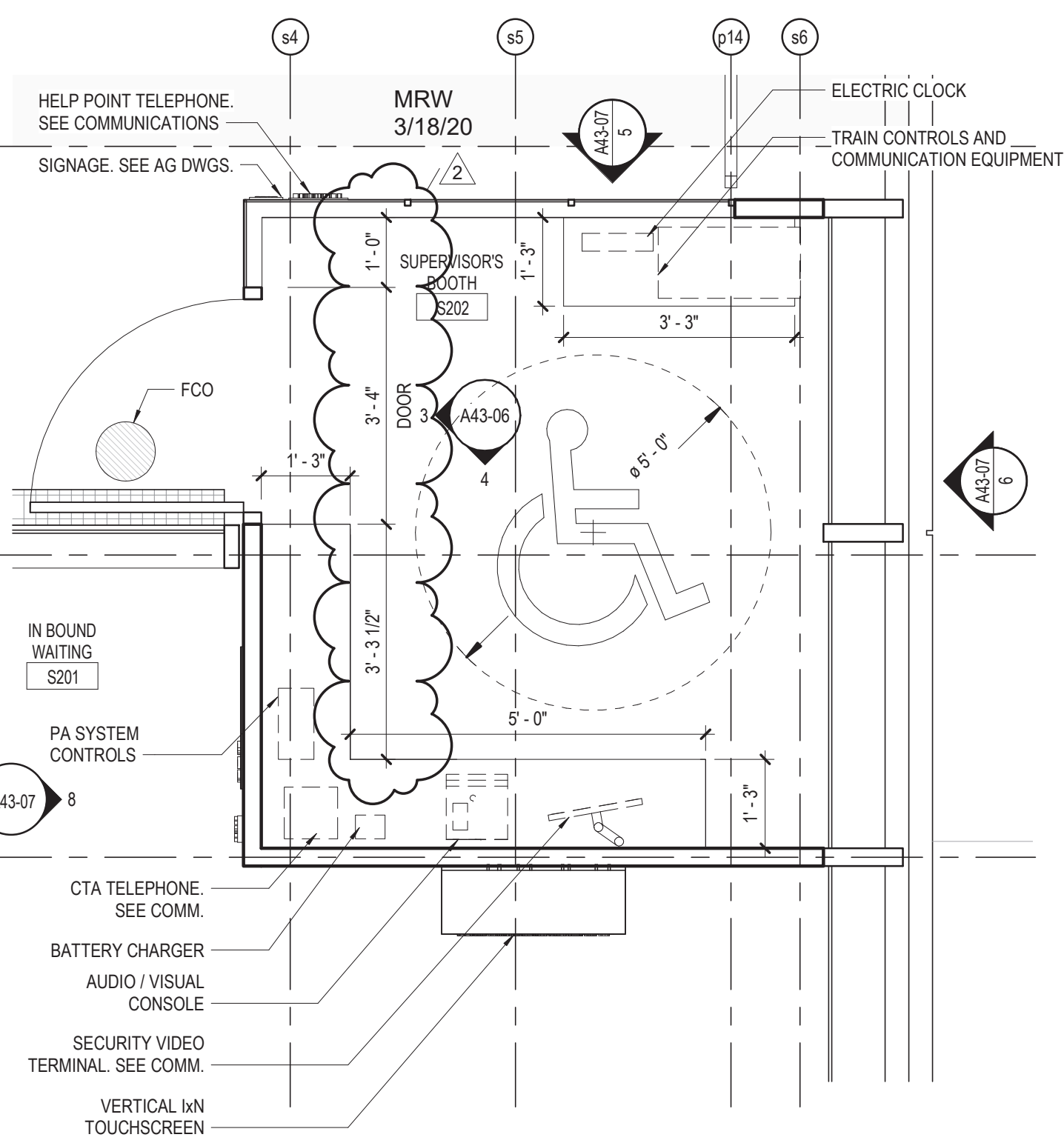
7 ELEVATION SOUTH
1/2" = 1'-0"



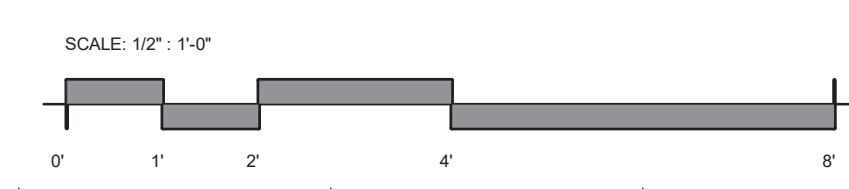
5 ELEVATION NORTH
1/2" = 1'-0"



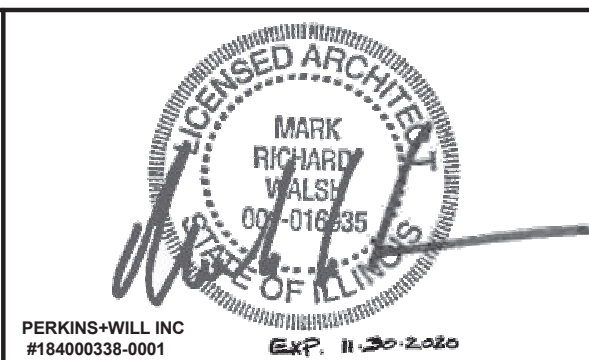
3 SECTION - WEST
1/2" = 1'-0"



1 SUPERVISOR BOOTH (LEVEL 02) FLOOR PLAN
1/2" = 1'-0"



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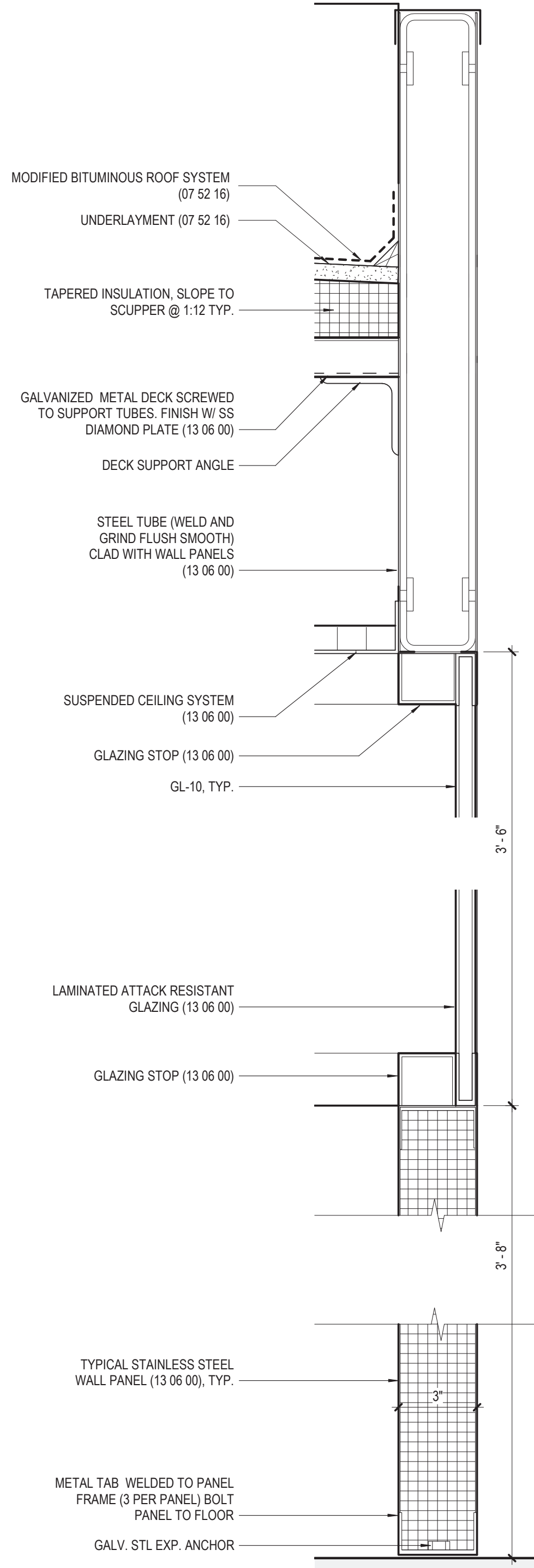


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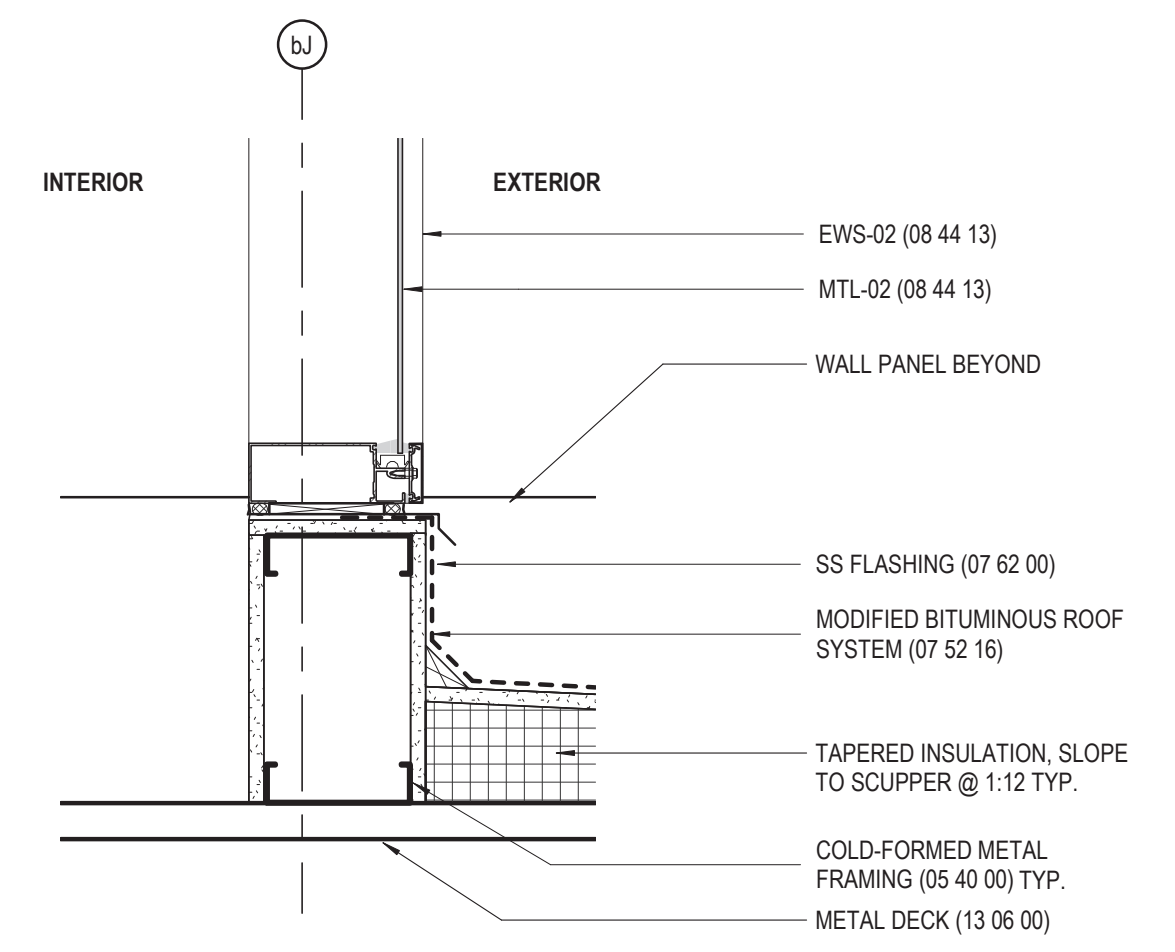


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ENLARGED INTERIOR PLANS & ELEVATIONS - SUPERVISOR BOOTH		DRAWING NO. A43-07
CDOT PROJECT D-7-135	DATE: 03/18/20	REVISION NO.

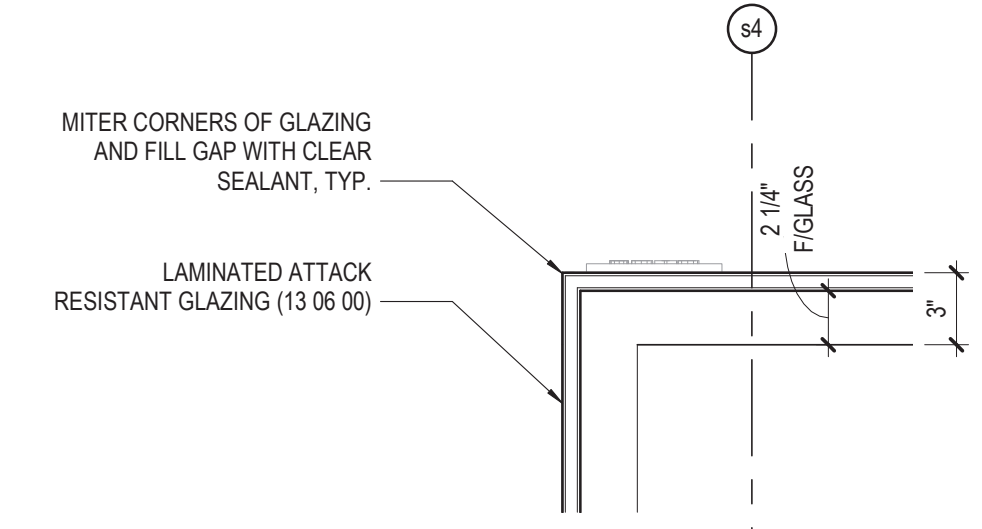
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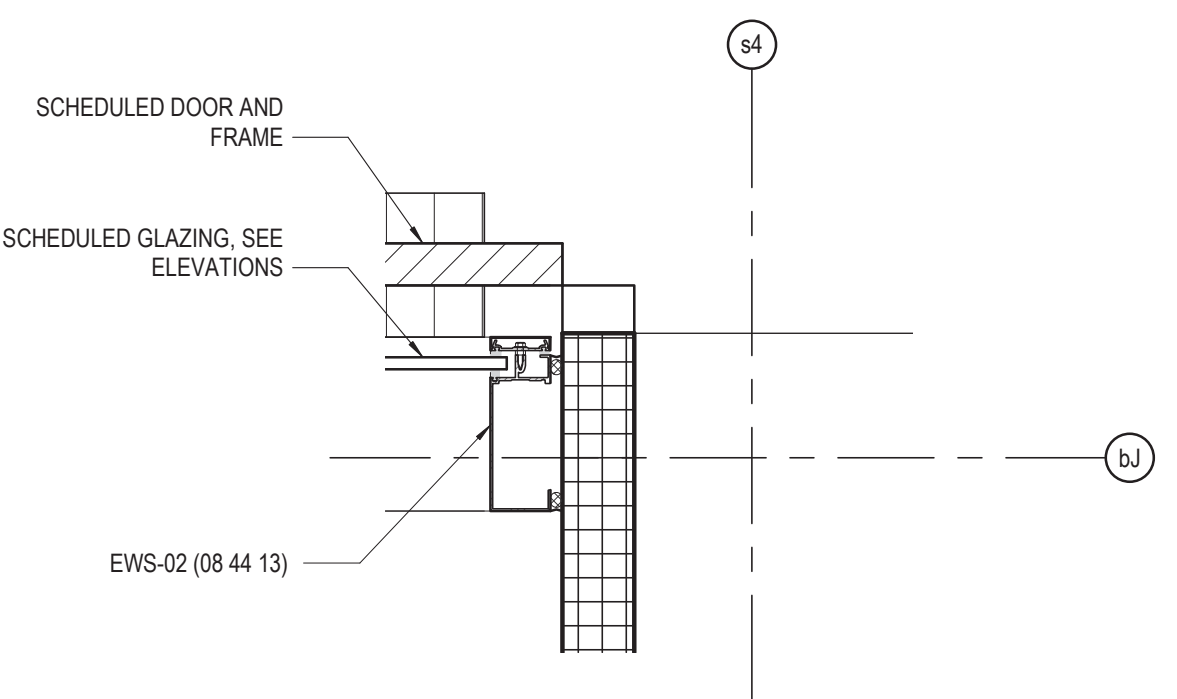
4 SECTION DETAIL
3" = 1'-0"



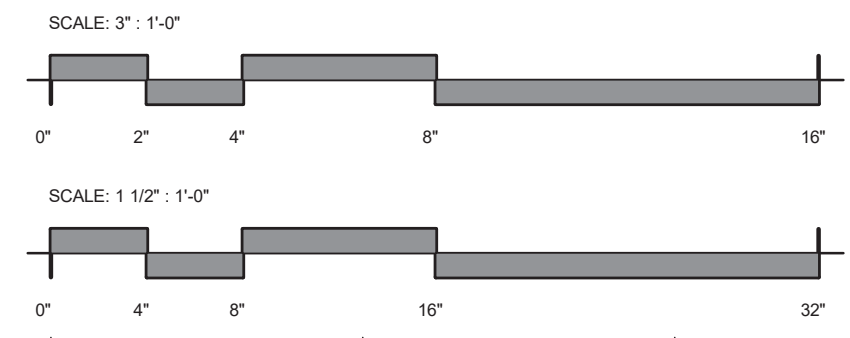
3 SECTION DETAIL
1 1/2" = 1'-0"



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

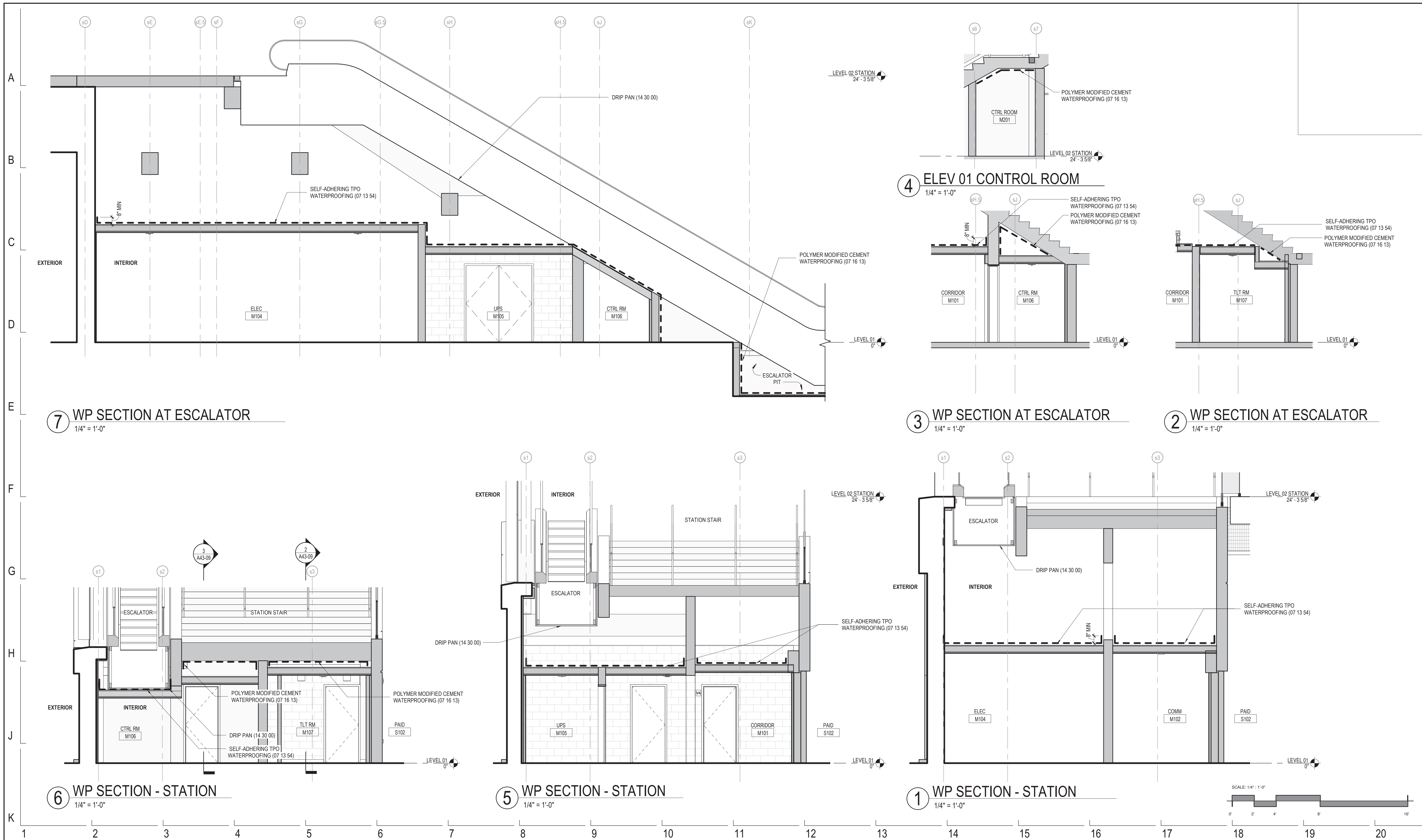


1 PLAN DETAIL
1 1/2" = 1'-0"



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		SUPERVISOR BOOTH DETAILS		DRAWING NO. A43-08
		CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



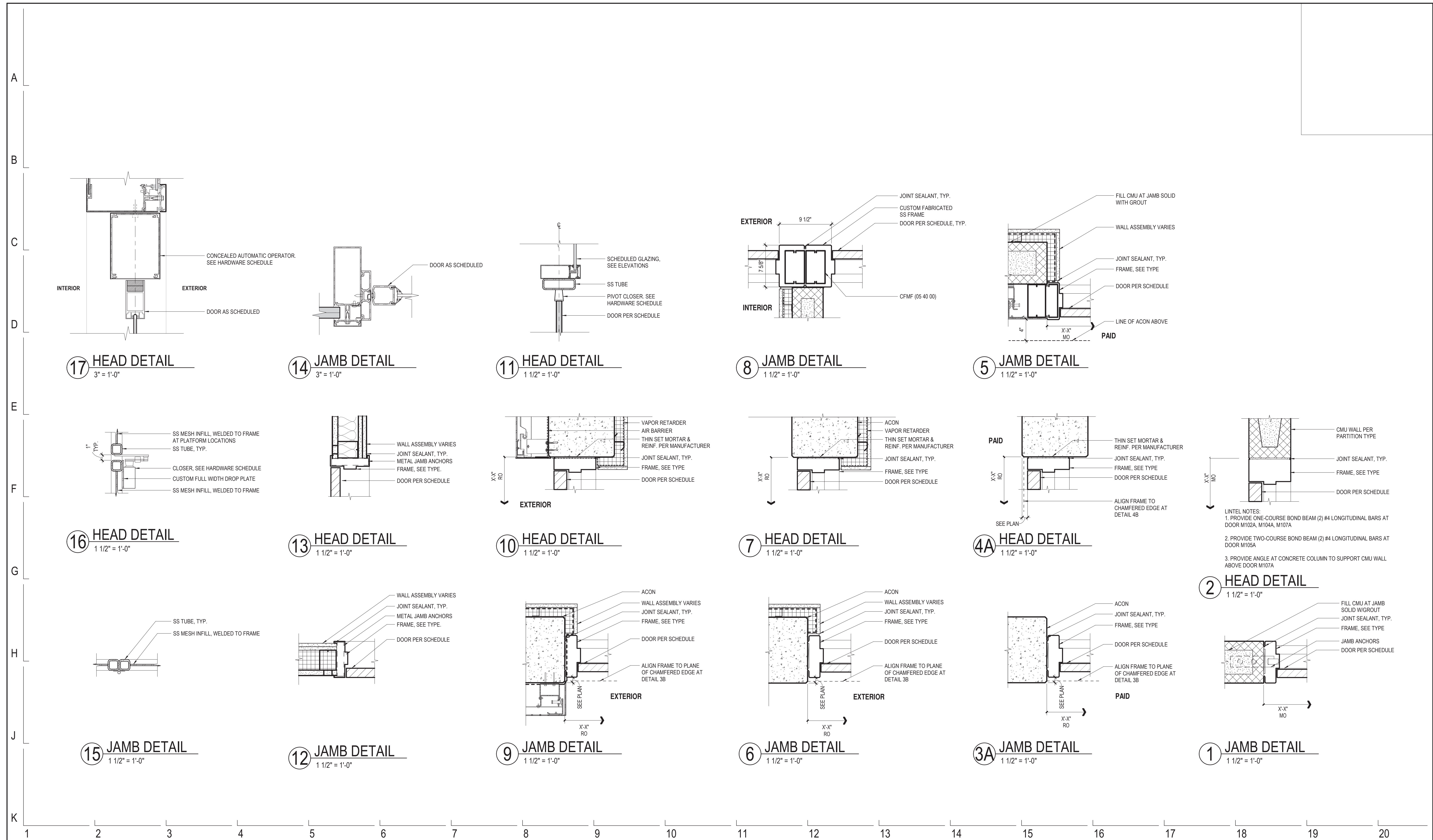
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
WATERPROOFING DIAGRAMS
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
 DRAWING NO.
A43-09
 REVISION NO.



LINTEL NOTES:
 1. PROVIDE ONE-COURSE BOND BEAM (2) #4 LONGITUDINAL BARS AT DOOR M102A, M104A, M107A
 2. PROVIDE TWO-COURSE BOND BEAM (2) #4 LONGITUDINAL BARS AT DOOR M105A
 3. PROVIDE ANGLE AT CONCRETE COLUMN TO SUPPORT CMU WALL ABOVE DOOR M107A

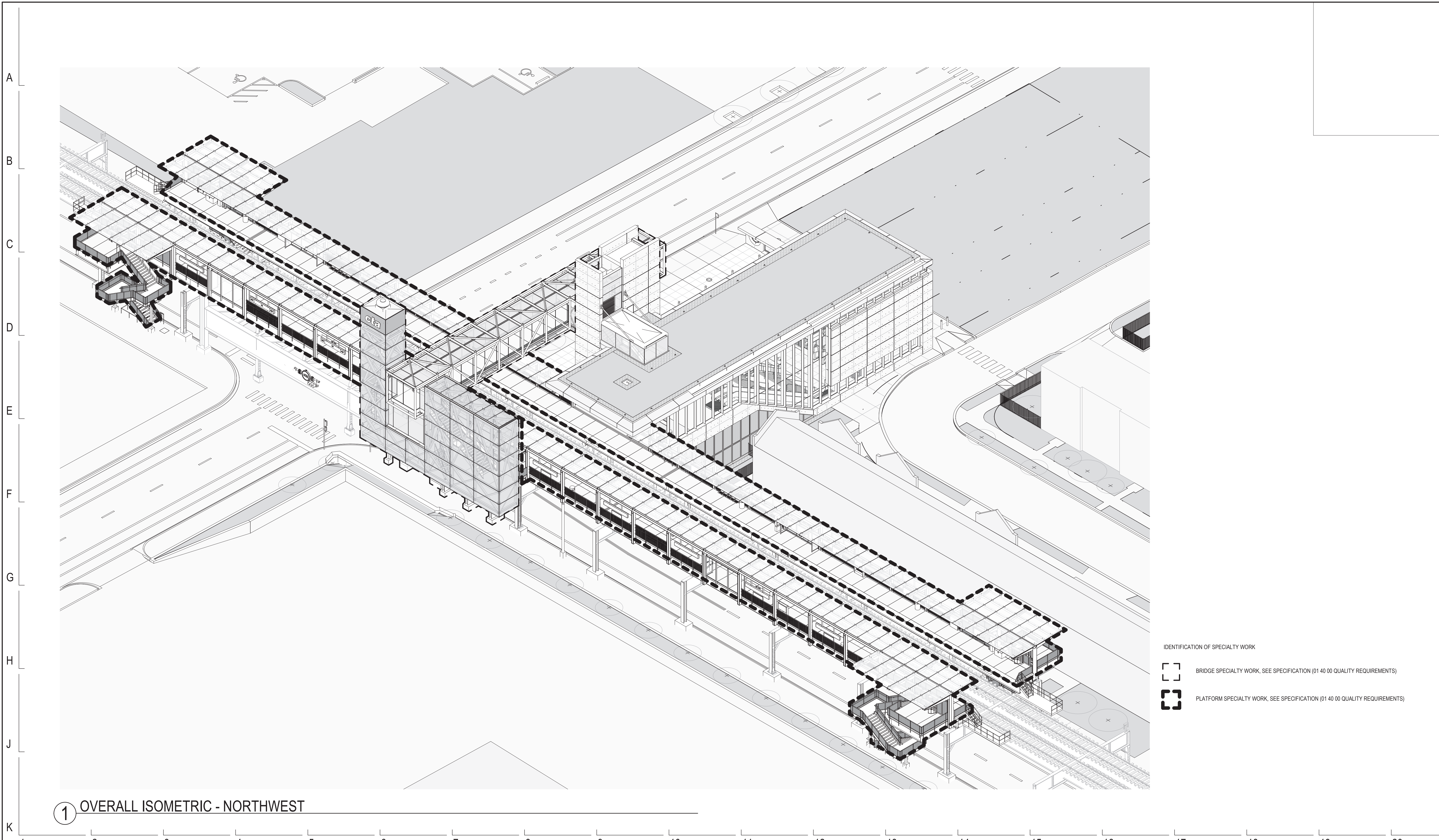
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CHECKED BY:									
APPROVED BY:		01/27/2020	ISSUE FOR BID	Designer/Author	Checker				
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
DOOR DETAILS
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.	
DRAWING NO.	A62-02
REVISION NO.	



IDENTIFICATION OF SPECIALTY WORK

 BRIDGE SPECIALTY WORK, SEE SPECIFICATION (01 40 00 QUALITY REQUIREMENTS)

 PLATFORM SPECIALTY WORK, SEE SPECIFICATION (01 40 00 QUALITY REQUIREMENTS)

① OVERALL ISOMETRIC - NORTHWEST

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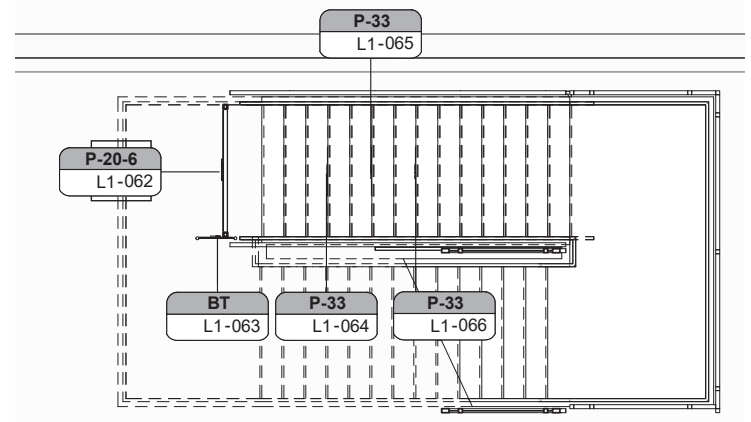
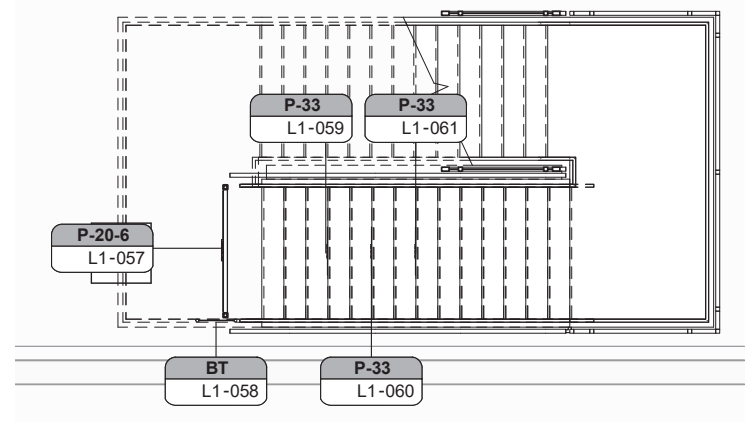
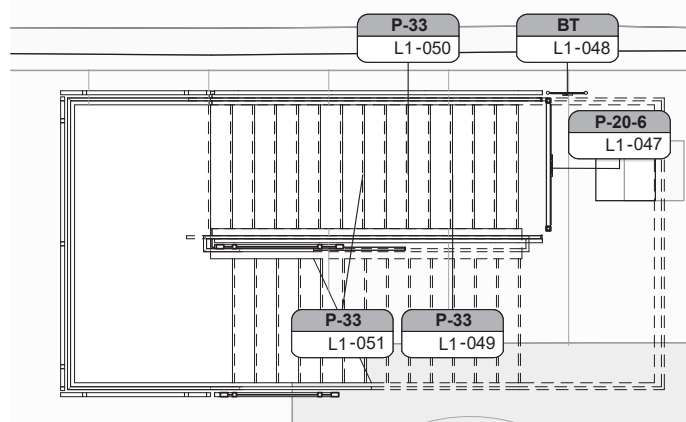
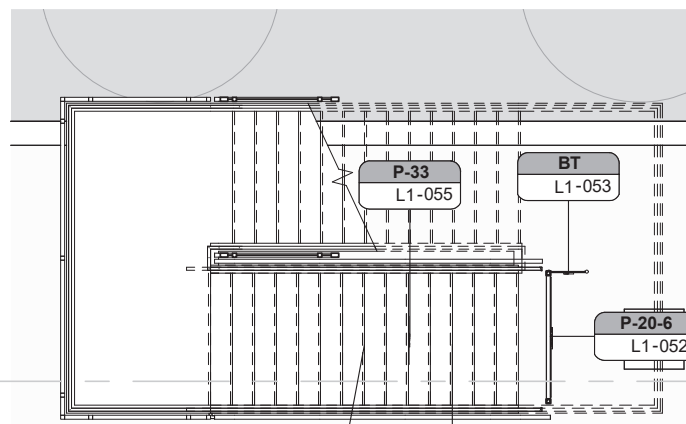
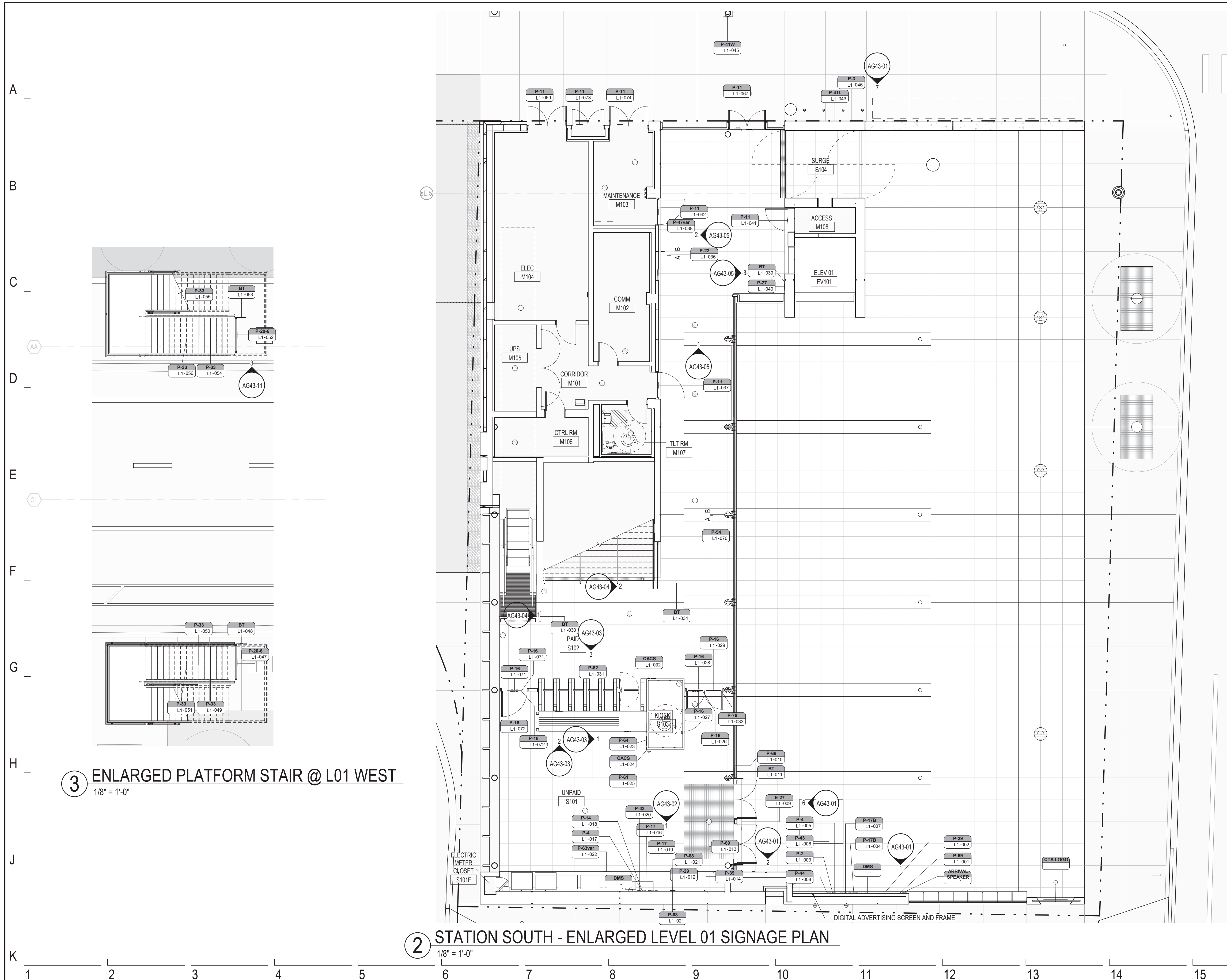
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OVERALL ISOMETRIC (FOR REFERENCE ONLY)		DRAWING NO. A90-02
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



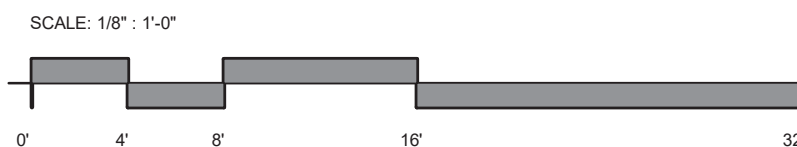
3 ENLARGED PLATFORM STAIR @ L01 WEST
1/8" = 1'-0"

1 ENLARGED PLATFORM STAIR @ L01 EAST
1/8" = 1'-0"

2 STATION SOUTH - ENLARGED LEVEL 01 SIGNAGE PLAN
1/8" = 1'-0"

SIGNAGE NOTES

- NOTES SHOWN ON THIS SHEET APPLY TO ALL AG SERIES SHEETS.
- REFER TO A10 SERIES DRAWINGS FOR OVERALL PLANS.
- REFER TO AG60 SERIES DRAWINGS FOR MESSAGE SCHEDULE.
- REFER TO CT DRAWINGS FOR ADDITIONAL SIGNAGE AT PLATFORM AND TRACK.
- WAYFINDING SIGNAGE AND EXIT SIGN LOCATIONS SHALL NOT BE IN CONFLICT. IN THE EVENT OF A CONFLICT BETWEEN EXIT SIGNS AND WAYFINDING SIGNAGE, COORDINATE WAYFINDING SIGNAGE LOCATIONS WITH OTA SIGNAGE AND WAYFINDING DEPARTMENT PRIOR TO INSTALLATION OF EITHER SIGN.

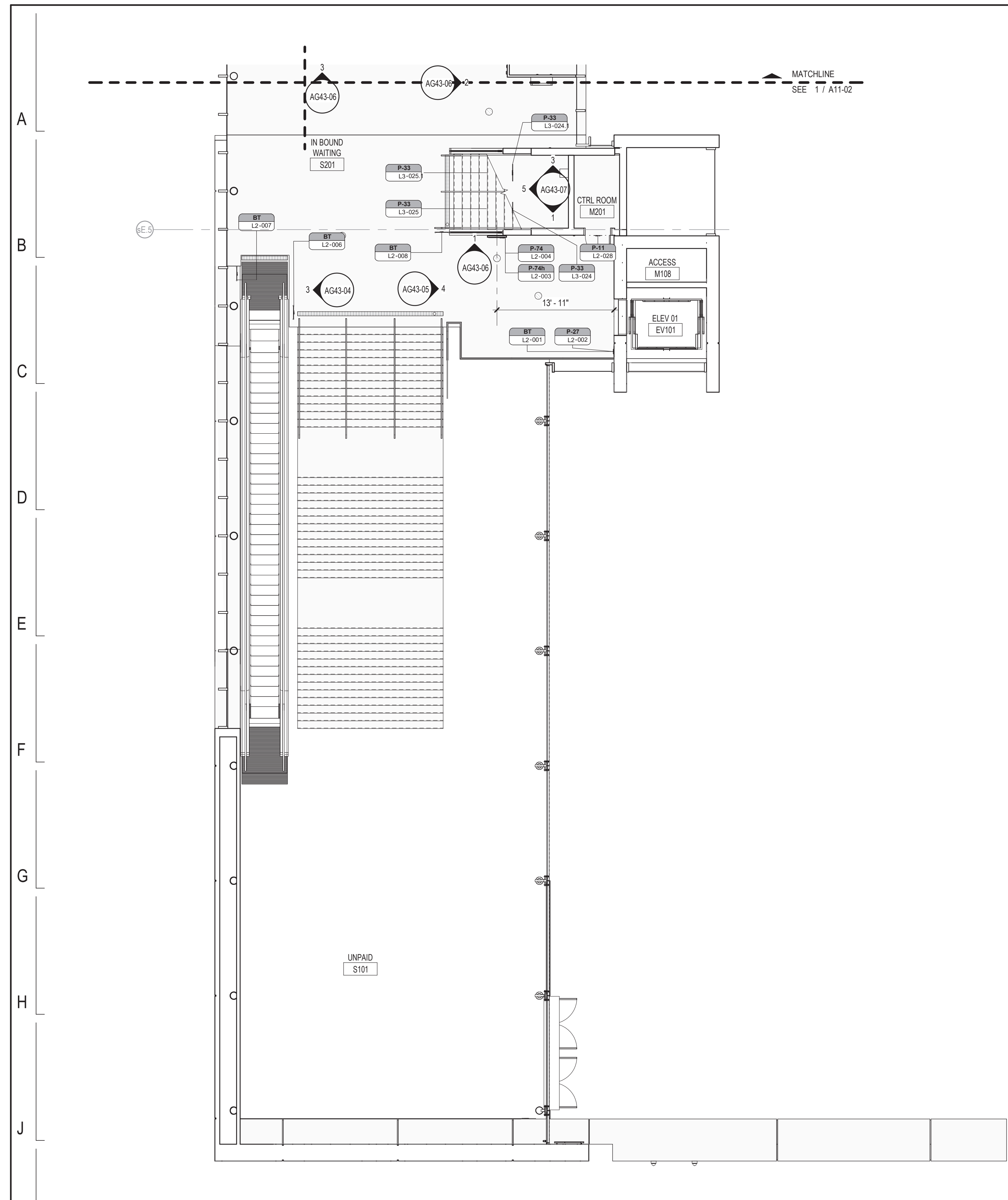


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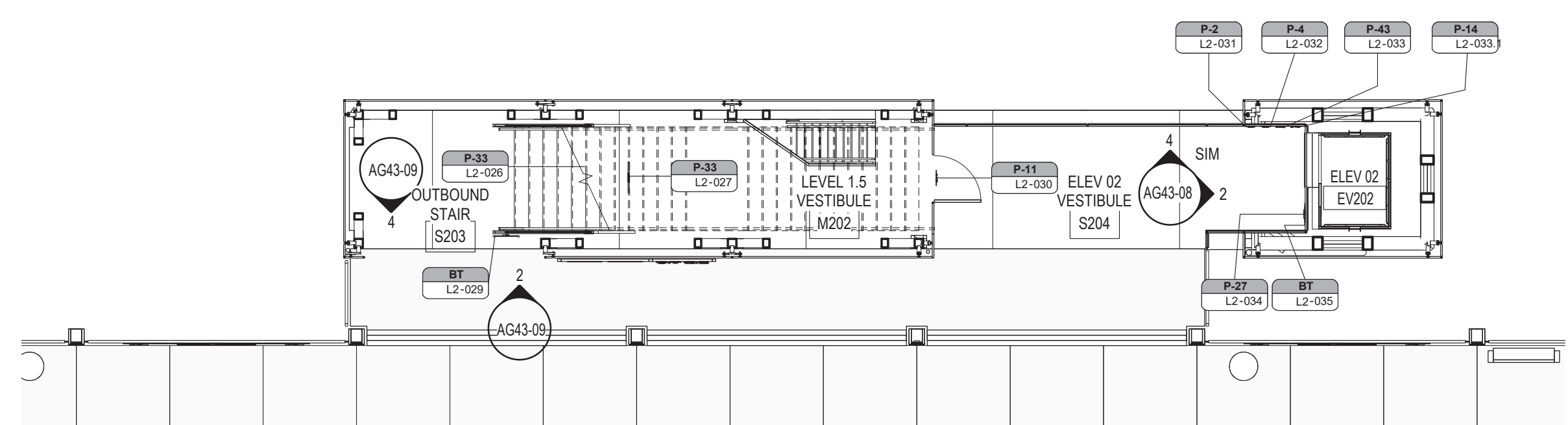
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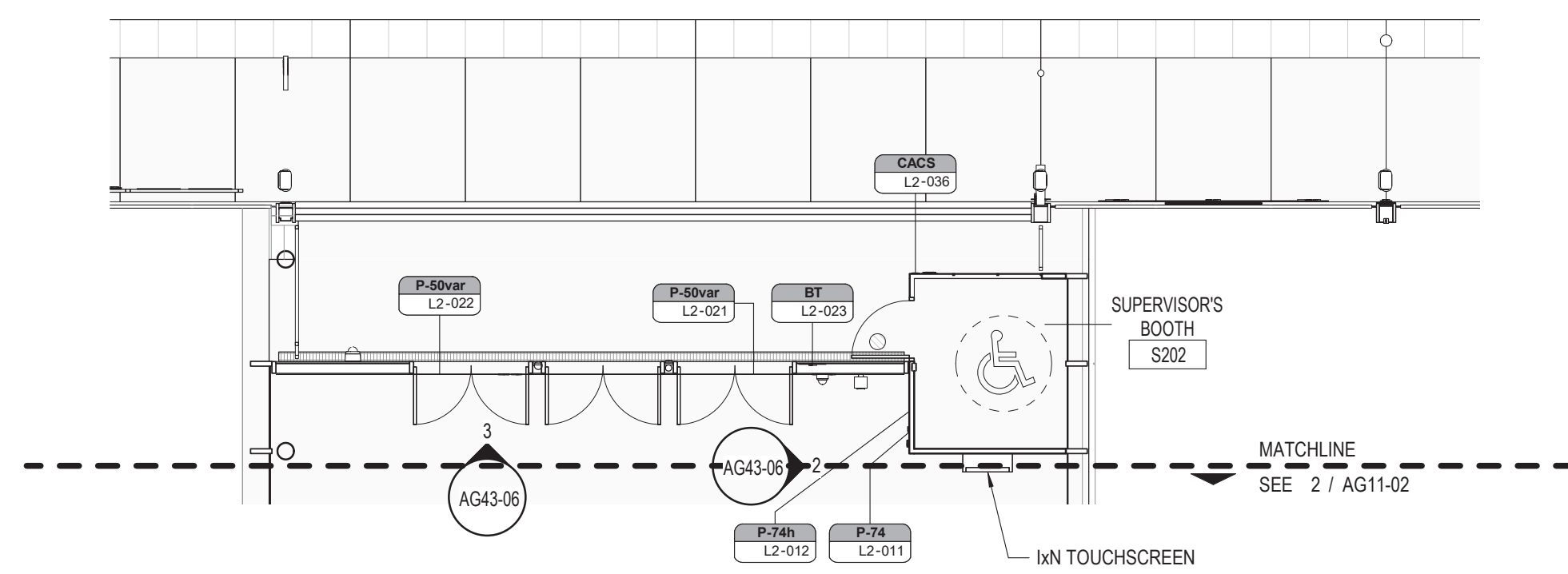
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
STATION ENLARGED LEVEL 01 SIGNAGE PLAN		DRAWING NO. AG11-01
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



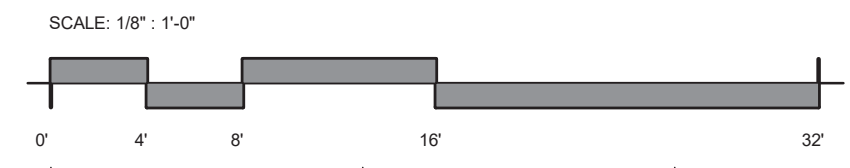
2 STATION SOUTH - LEVEL 02 SIGNAGE PLAN
1/8" = 1'-0"



3 NORTH STAIR - LEVEL 02 SIGNAGE PLAN
1/8" = 1'-0"



1 STATION NORTH - LEVEL 02 SIGNAGE PLAN
1/8" = 1'-0"

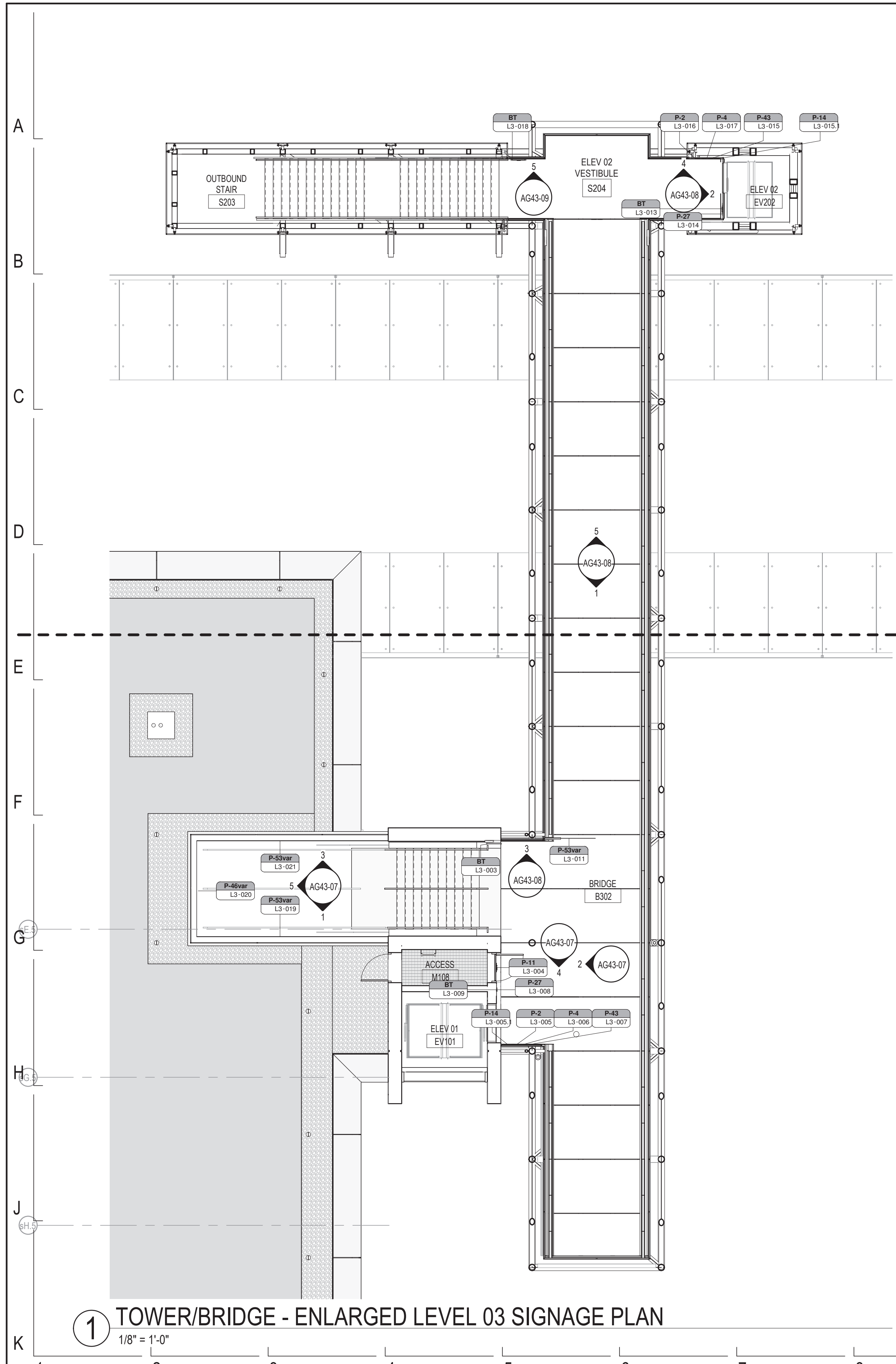


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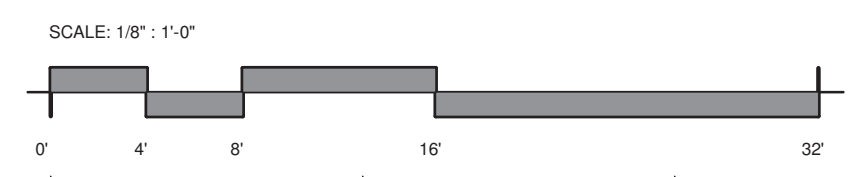
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
STATION ENLARGED LEVEL 02 SIGNAGE PLAN		DRAWING NO. AG11-02
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



1 TOWER/BRIDGE - ENLARGED LEVEL 03 SIGNAGE PLAN
1/8" = 1'-0"

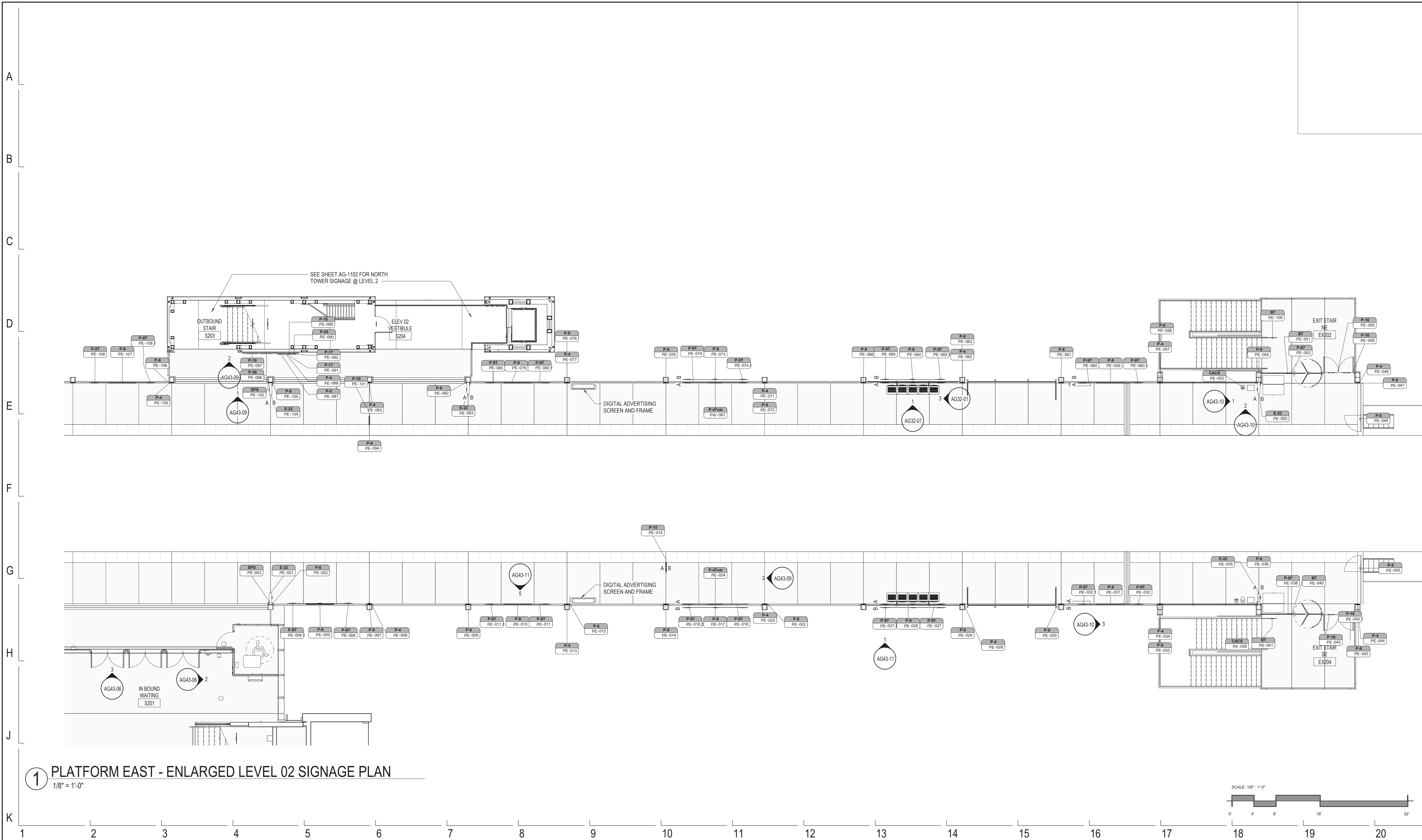


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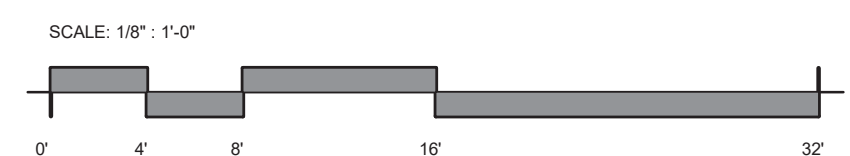
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
TOWER/BRIDGE ENLARGED LEVEL 03 SIGNAGE PLANS		DRAWING NO. AG11-13
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



1 PLATFORM EAST - ENLARGED LEVEL 02 SIGNAGE PLAN
1/8" = 1'-0"



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

PLATFORM - EAST ENLARGED SIGN LOCATION PLAN

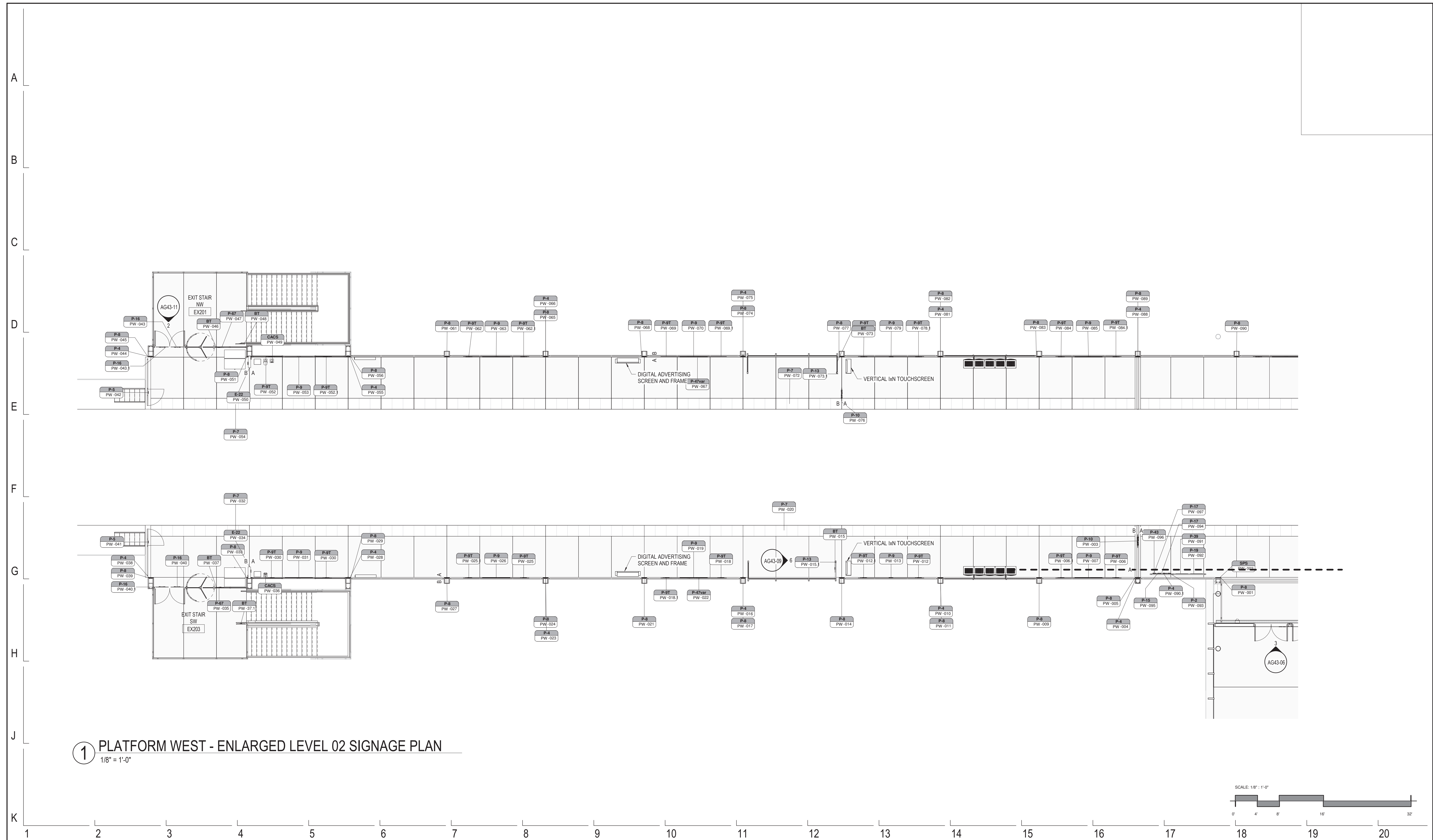
CDOT PROJECT D-7-135

DATE: 01/27/2020

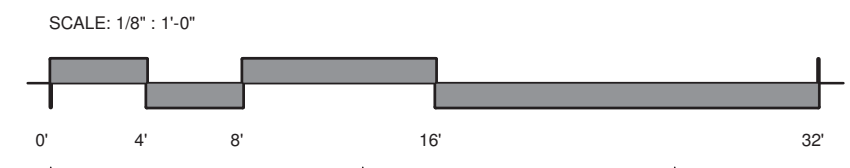
SPEC. NO.

DRAWING NO.
AG11-22A

REVISION NO.



1 PLATFORM WEST - ENLARGED LEVEL 02 SIGNAGE PLAN
1/8" = 1'-0"



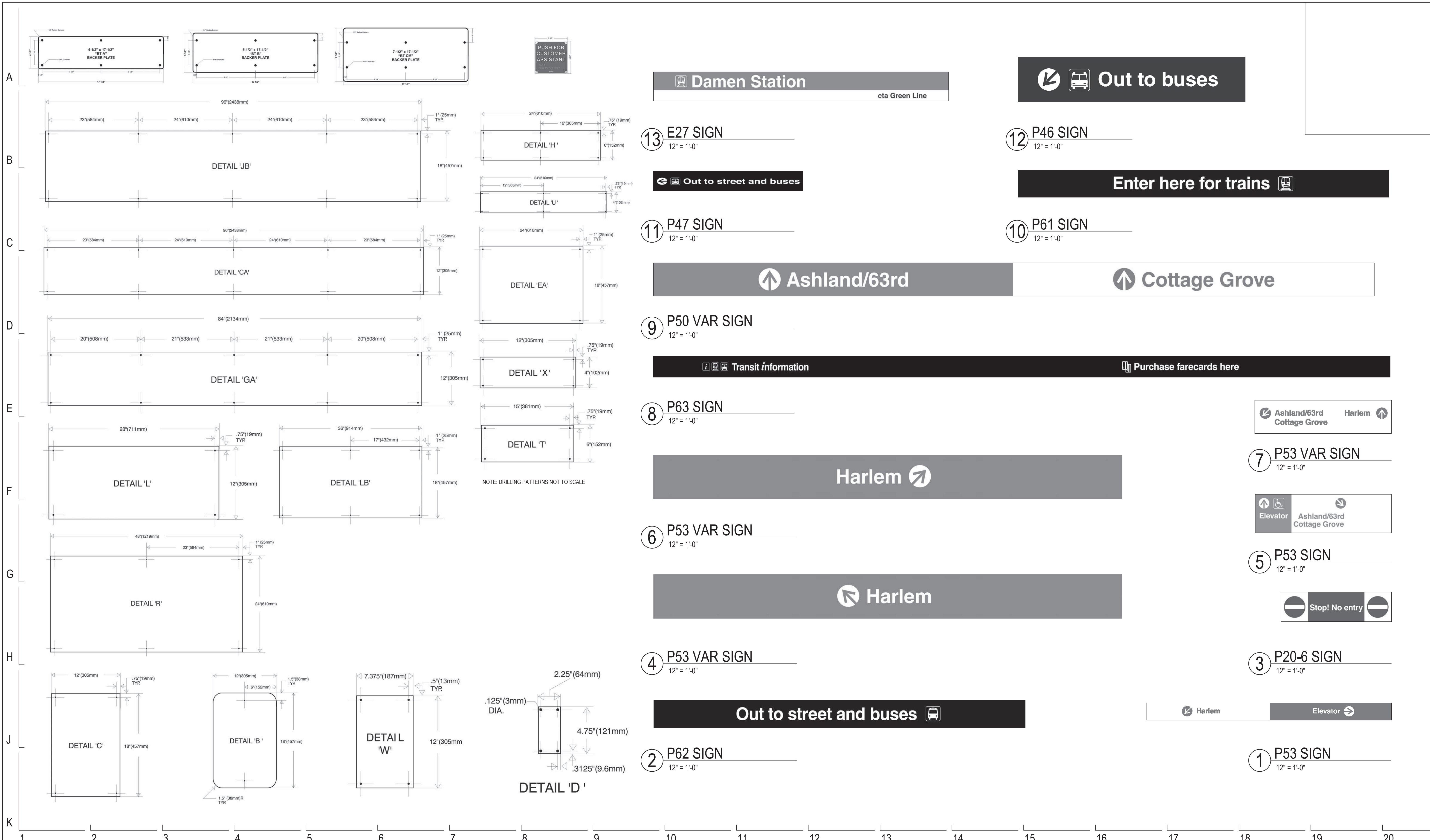
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
PLATFORM - WEST ENLARGED SIGN LOCATION PLAN
CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
DRAWING NO. **AG11-22B**
REVISION NO.



Damen Station
cta Green Line

Out to buses

13 E27 SIGN
12" = 1'-0"

12 P46 SIGN
12" = 1'-0"

Out to street and buses

Enter here for trains

11 P47 SIGN
12" = 1'-0"

10 P61 SIGN
12" = 1'-0"

Ashland/63rd **Cottage Grove**

9 P50 VAR SIGN
12" = 1'-0"

Transit information **Purchase farecards here**

8 P63 SIGN
12" = 1'-0"

Ashland/63rd **Harlem**
Cottage Grove

Harlem

7 P53 VAR SIGN
12" = 1'-0"

Elevator **Ashland/63rd**
Cottage Grove

6 P53 VAR SIGN
12" = 1'-0"

5 P53 SIGN
12" = 1'-0"

Harlem

Stop! No entry

4 P53 VAR SIGN
12" = 1'-0"

3 P20-6 SIGN
12" = 1'-0"

Out to street and buses

Harlem **Elevator**

2 P62 SIGN
12" = 1'-0"

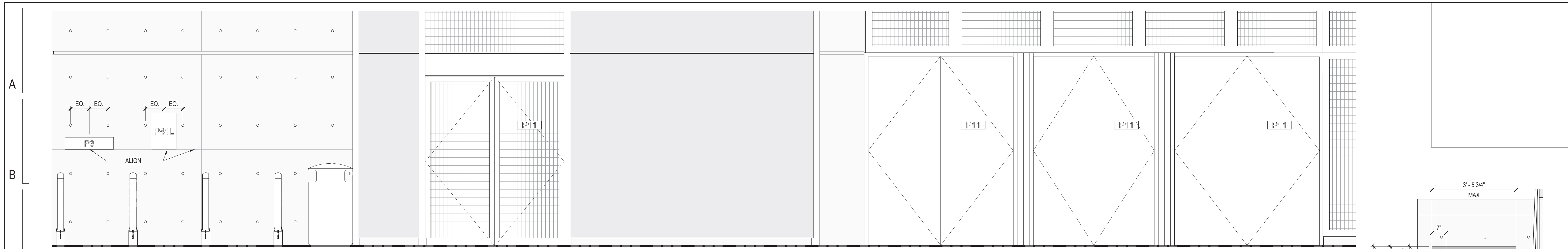
1 P53 SIGN
12" = 1'-0"

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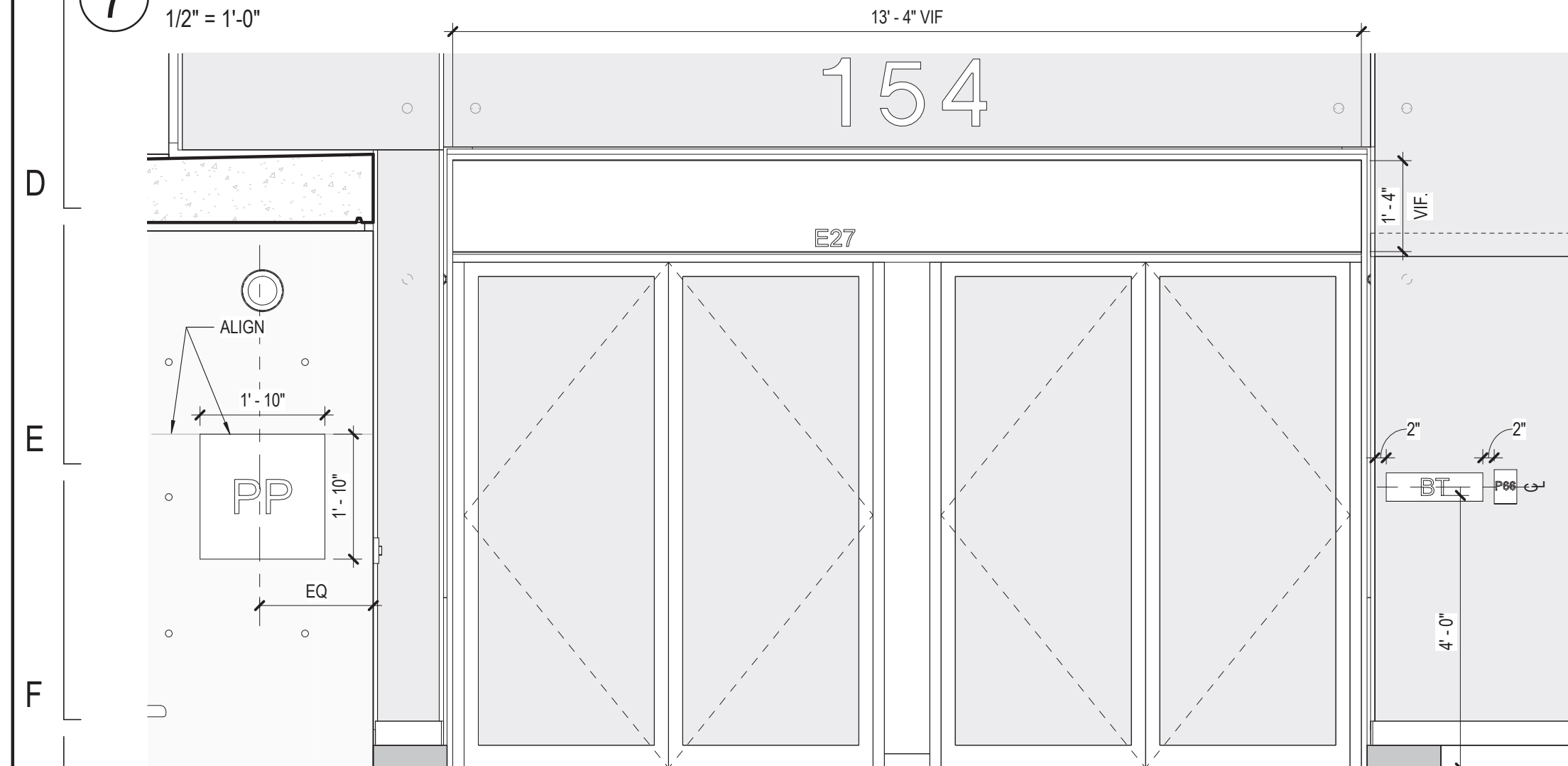
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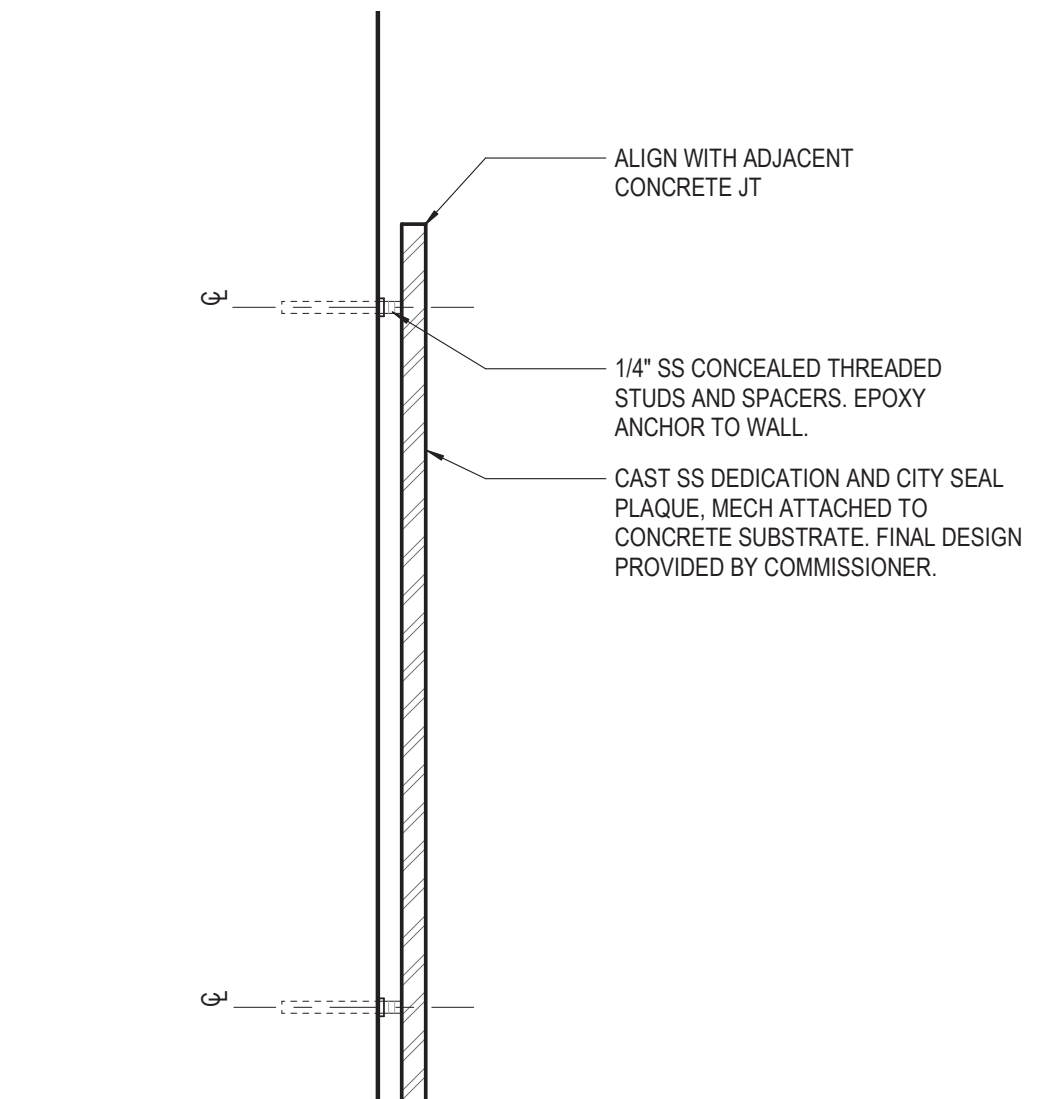
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
SIGNAGE DRILLING PATTERNS AND CUSTOM SIGNAGE		DRAWING NO. AG32-00
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.



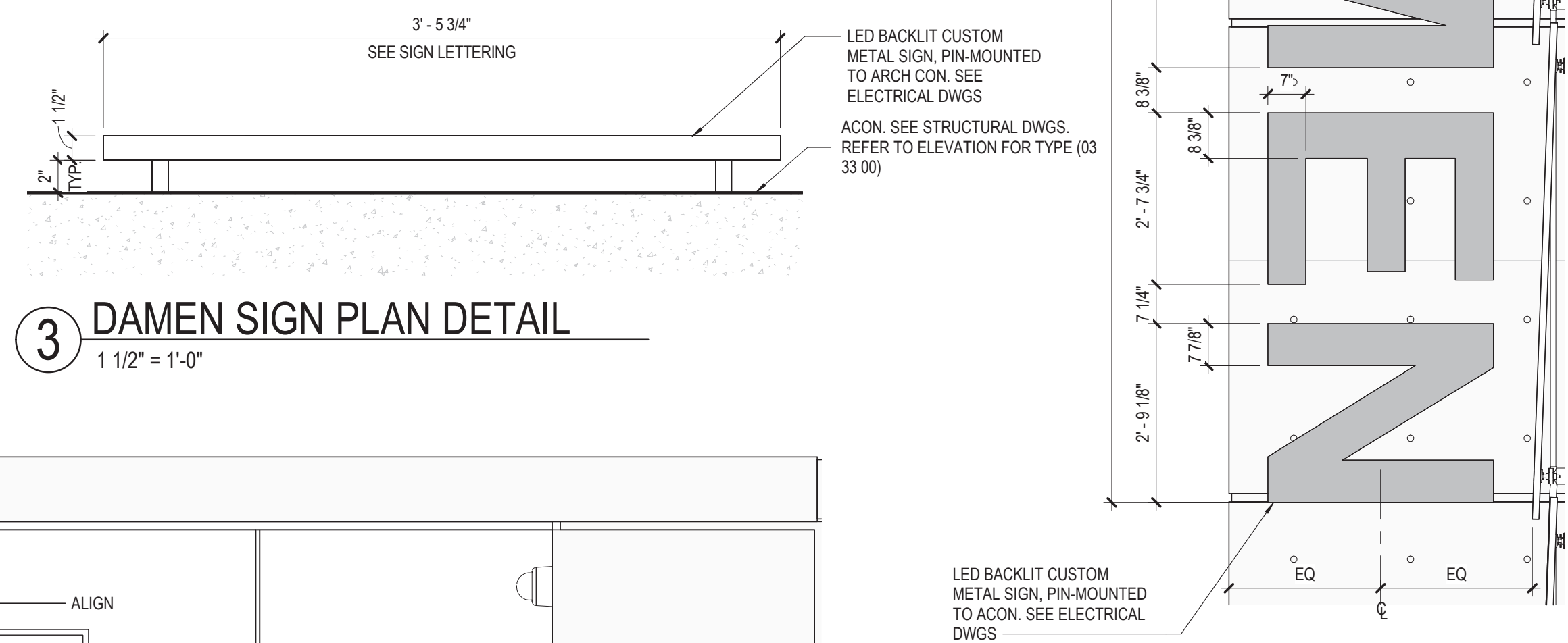
NOTE: DIMENSIONS TYPICAL FOR P11 SIGN.
7 STATION NORTH ELEVATION
 1/2" = 1'-0"



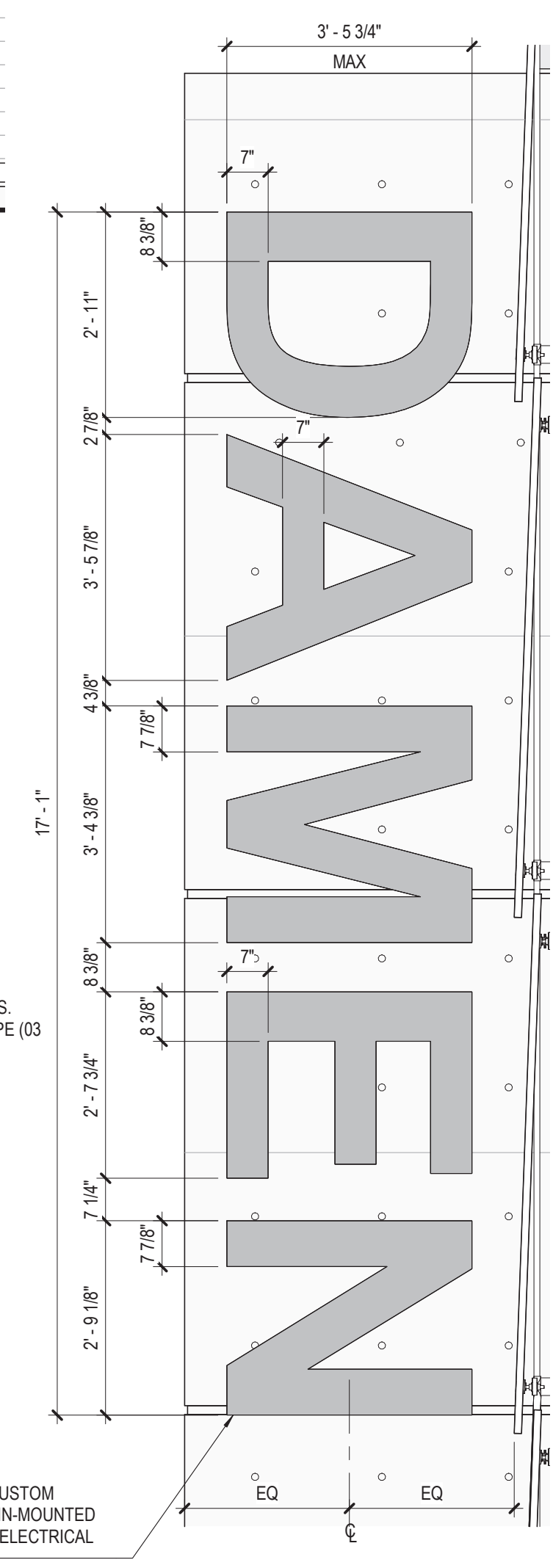
NOTE: DIMENSIONS TYPICAL FOR BT SIGN ON WALL, UNO.
6 MAIN ENTRANCE EXTERIOR ELEVATION
 1/2" = 1'-0"



4 PROJECT PLAQUE DETAIL
 3" = 1'-0"



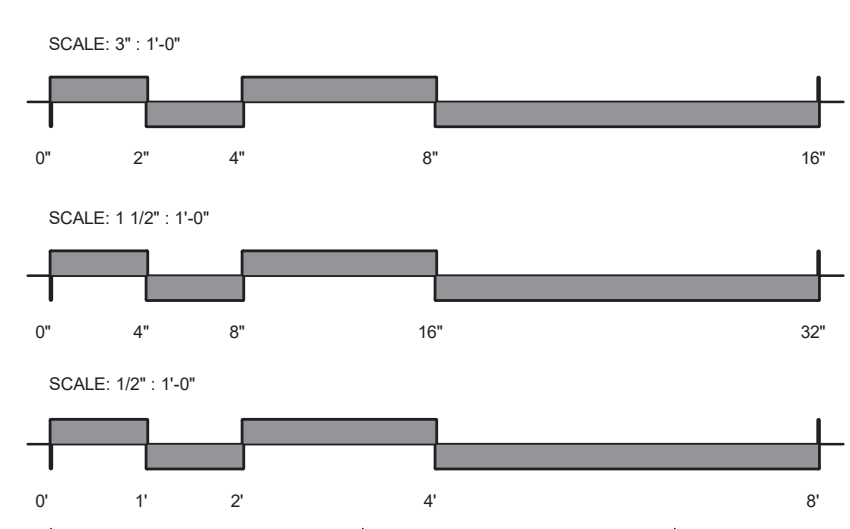
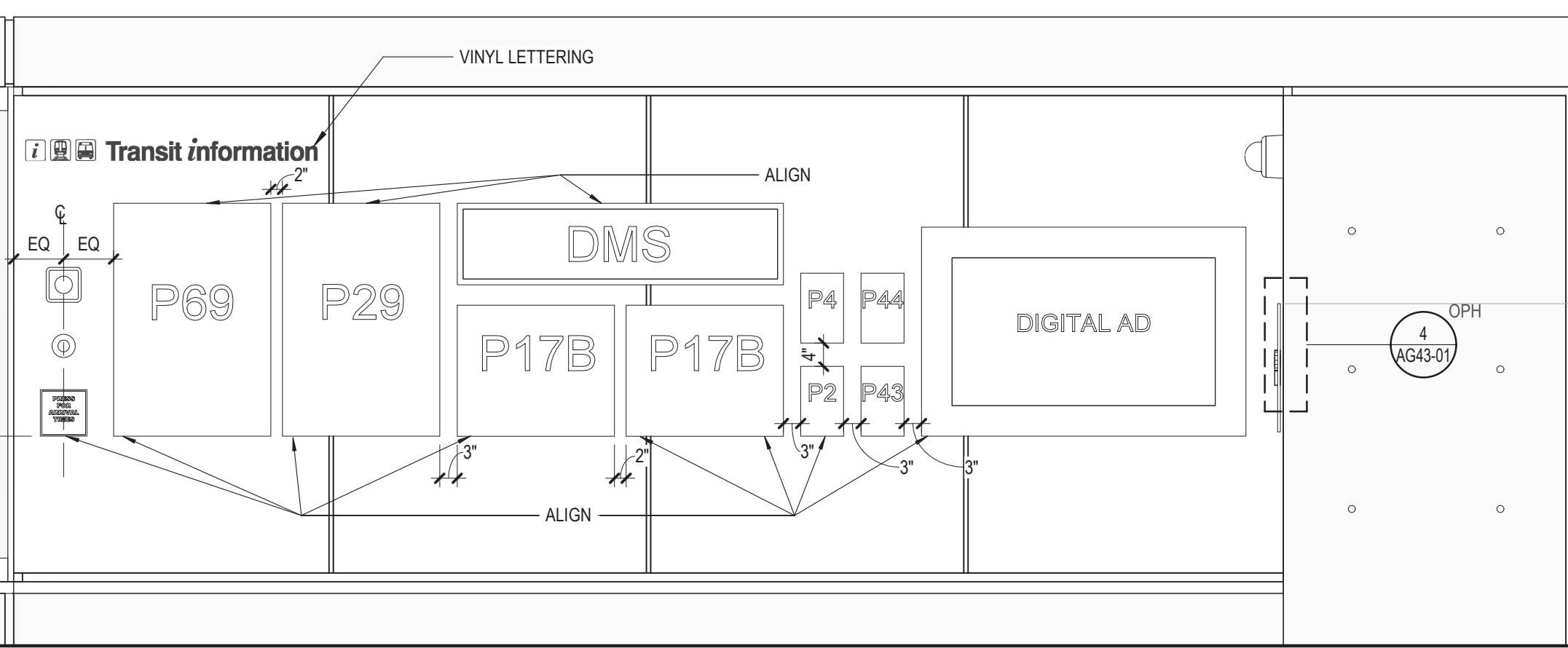
3 DAMEN SIGN PLAN DETAIL
 1 1/2" = 1'-0"



2 DAMEN SIGN
 1/2" = 1'-0"



1 TRANSIT INFORMATION PANEL ELEVATION - BUS STATION
 1/2" = 1'-0"



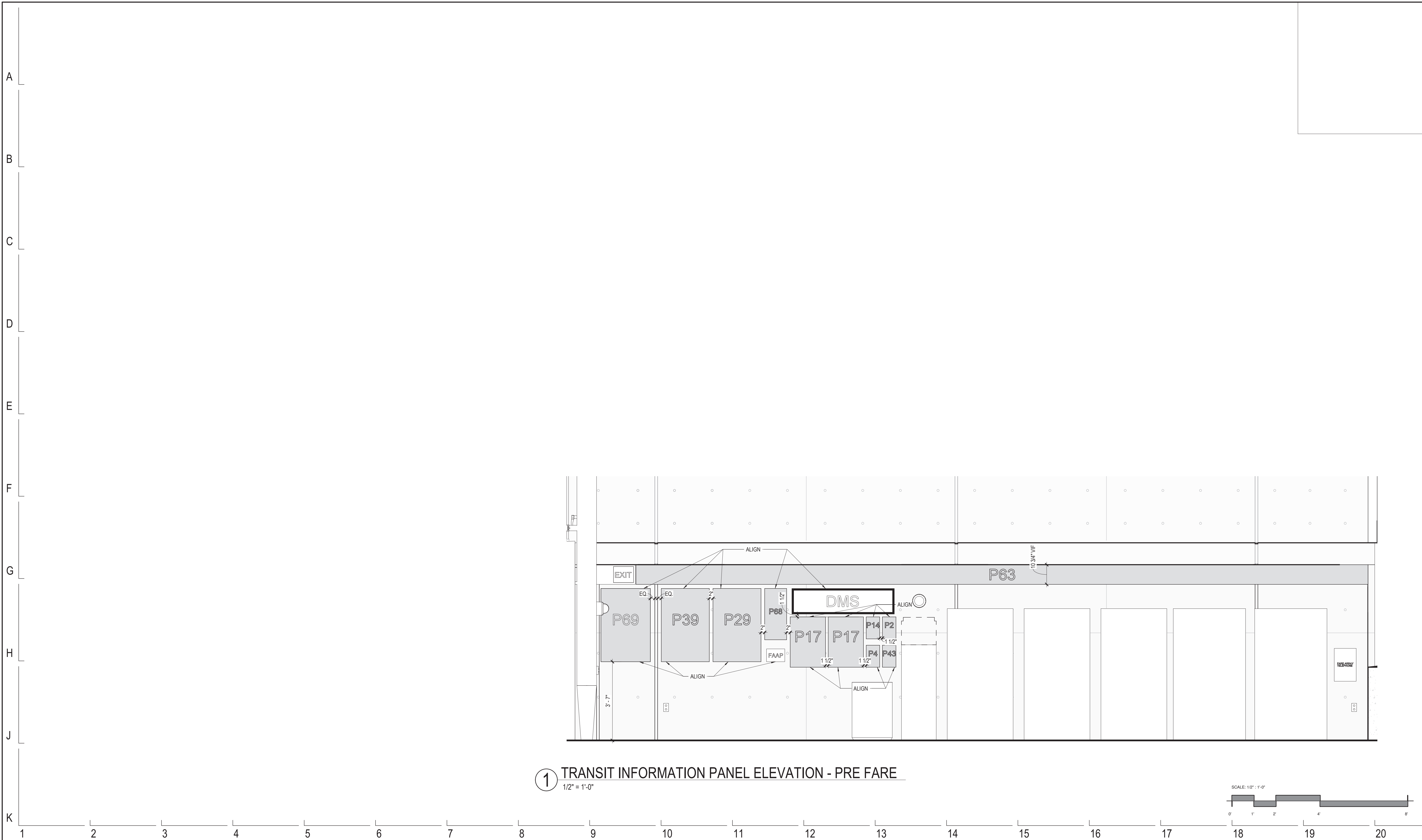
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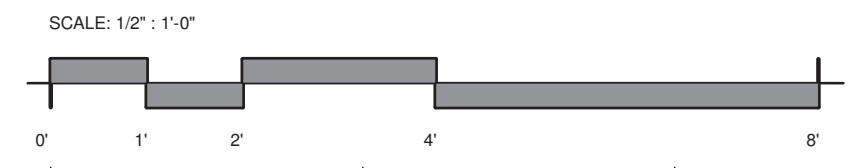
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
TRANSIT INFORMATION PANEL ELEVATION - BUS STATION
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
 DRAWING NO. **AG43-01**
 REVISION NO.



① TRANSIT INFORMATION PANEL ELEVATION - PRE FARE
 1/2" = 1'-0"



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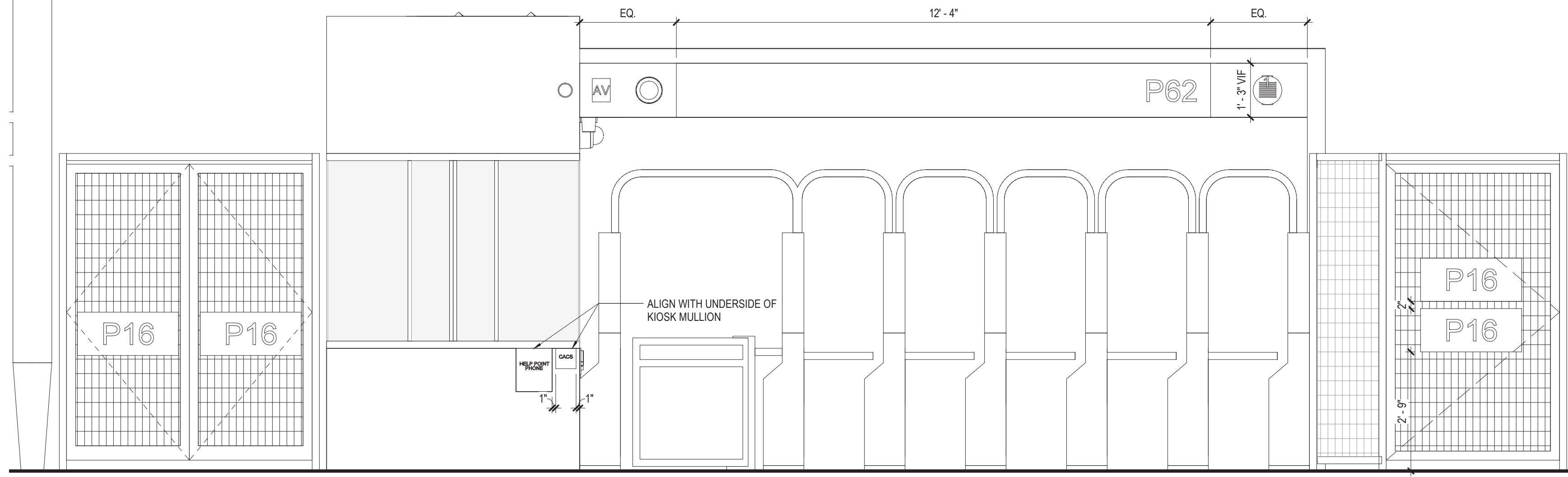
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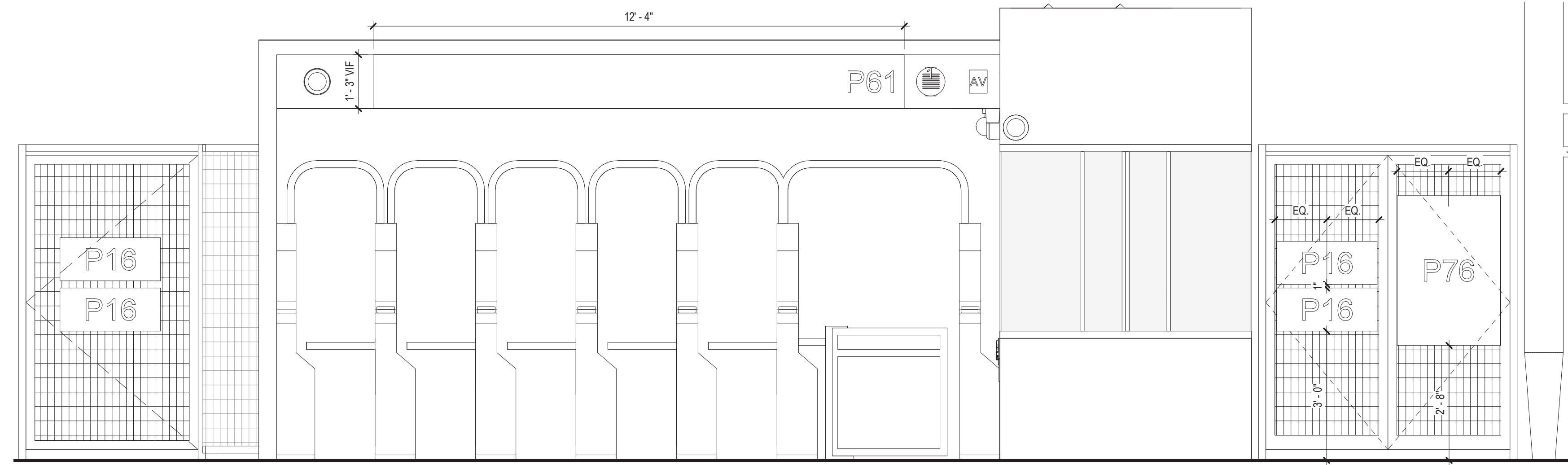
154 N DAMEN AVE - DAMEN GREEN LINE STATION
TRANSIT INFORMATION PANEL ELEVATION - PRE-FARE CONTROL
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
 DRAWING NO. **AG43-02**
 REVISION NO.

A
B
C
D
E
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G
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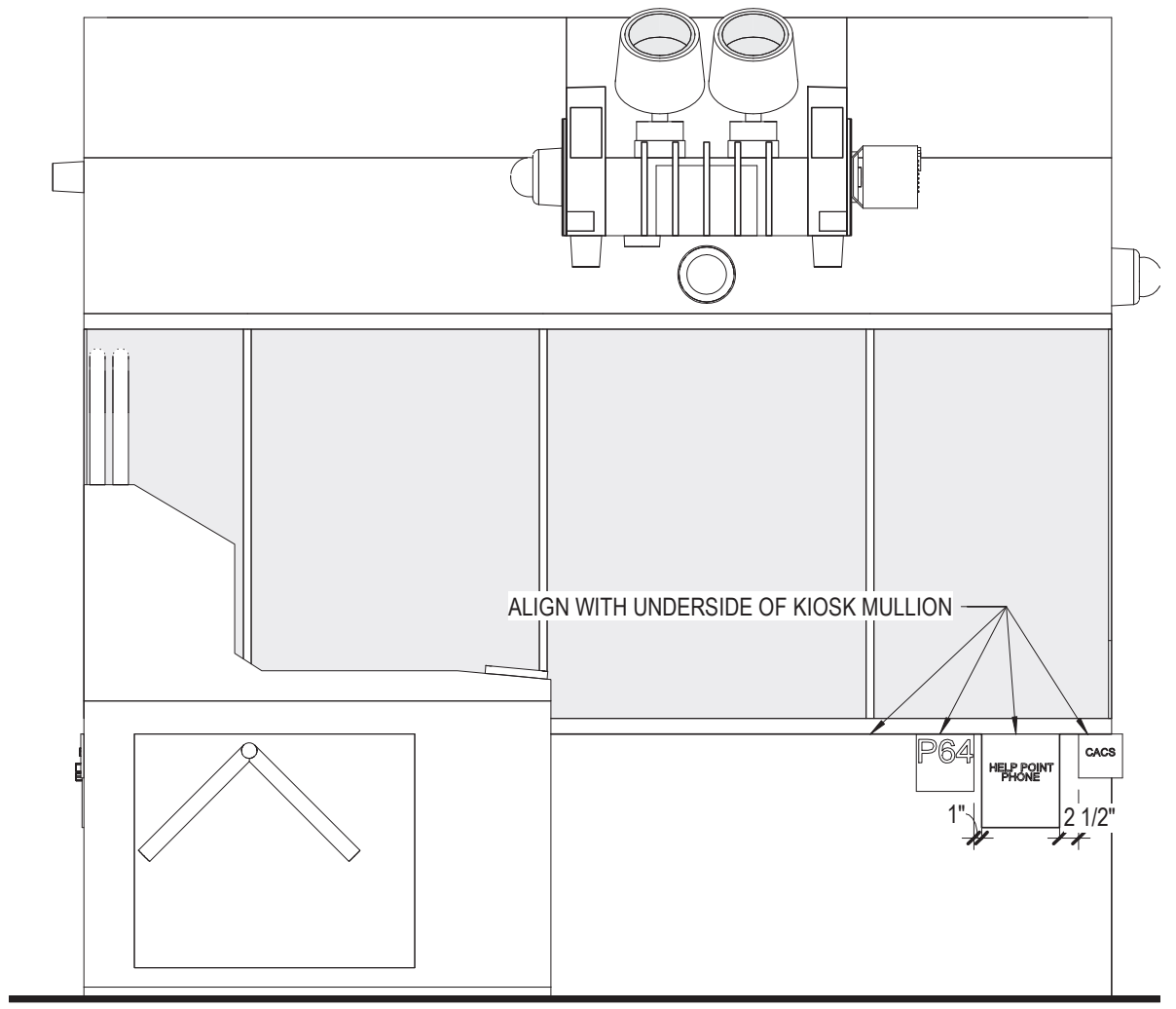


③ TURNSTILE ELEVATION - PAID
1/2" = 1'-0"

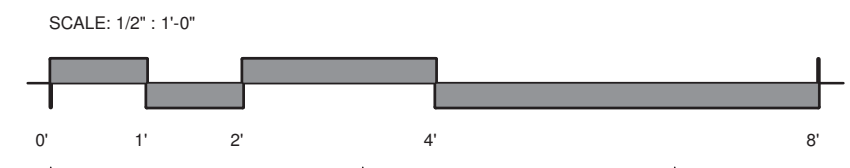


② TURNSTILE ELEVATION - PRE FARE
1/2" = 1'-0"

NOTE: DIMENSIONS TYPICAL FOR P16 SIGN ON DOOR.



① CAK WEST ELEVATION
1/2" = 1'-0"



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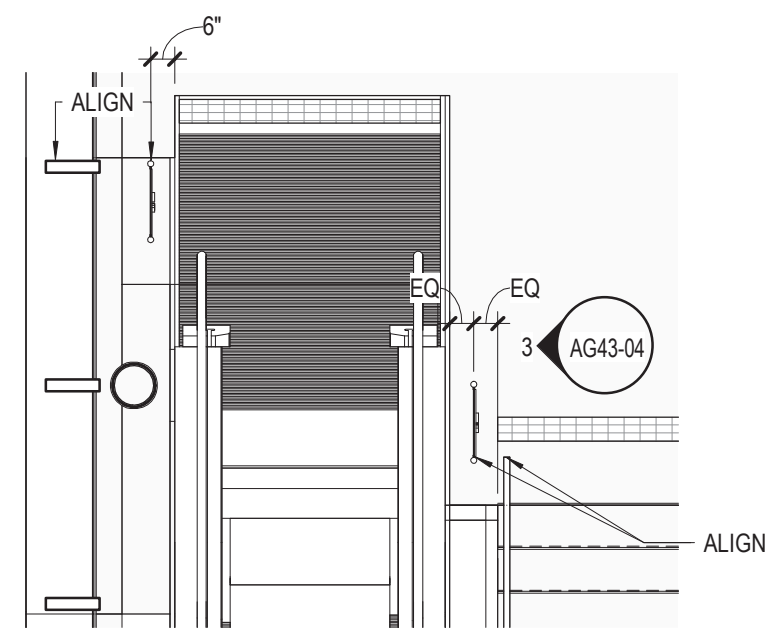
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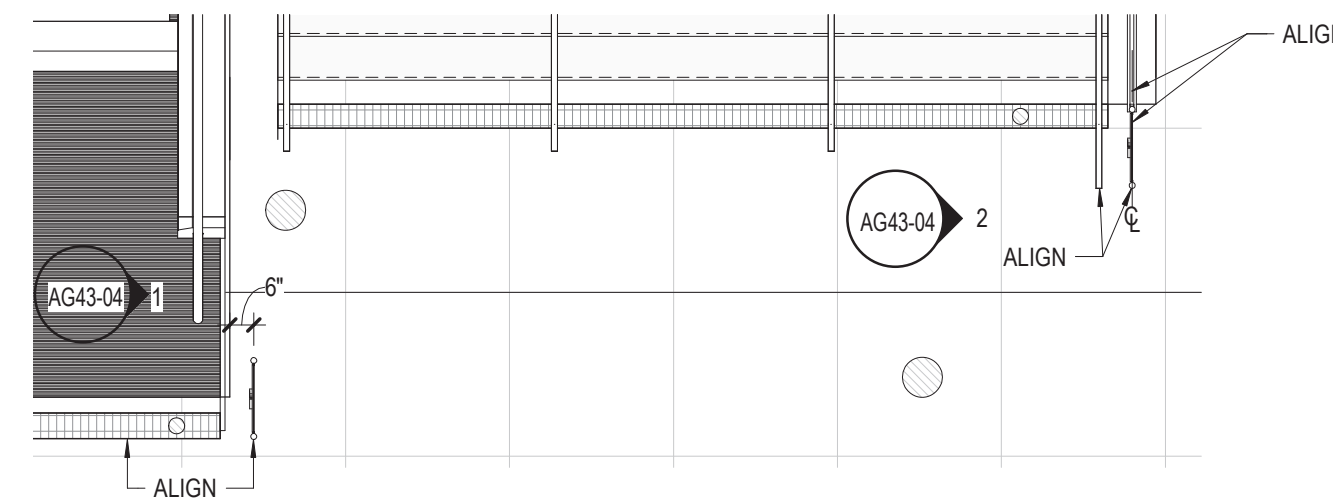
154 N DAMEN AVE - DAMEN GREEN LINE STATION
TURNSTILE SIGNAGE ELEVATION - LEVEL 01
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
 DRAWING NO.
AG43-03
 REVISION NO.

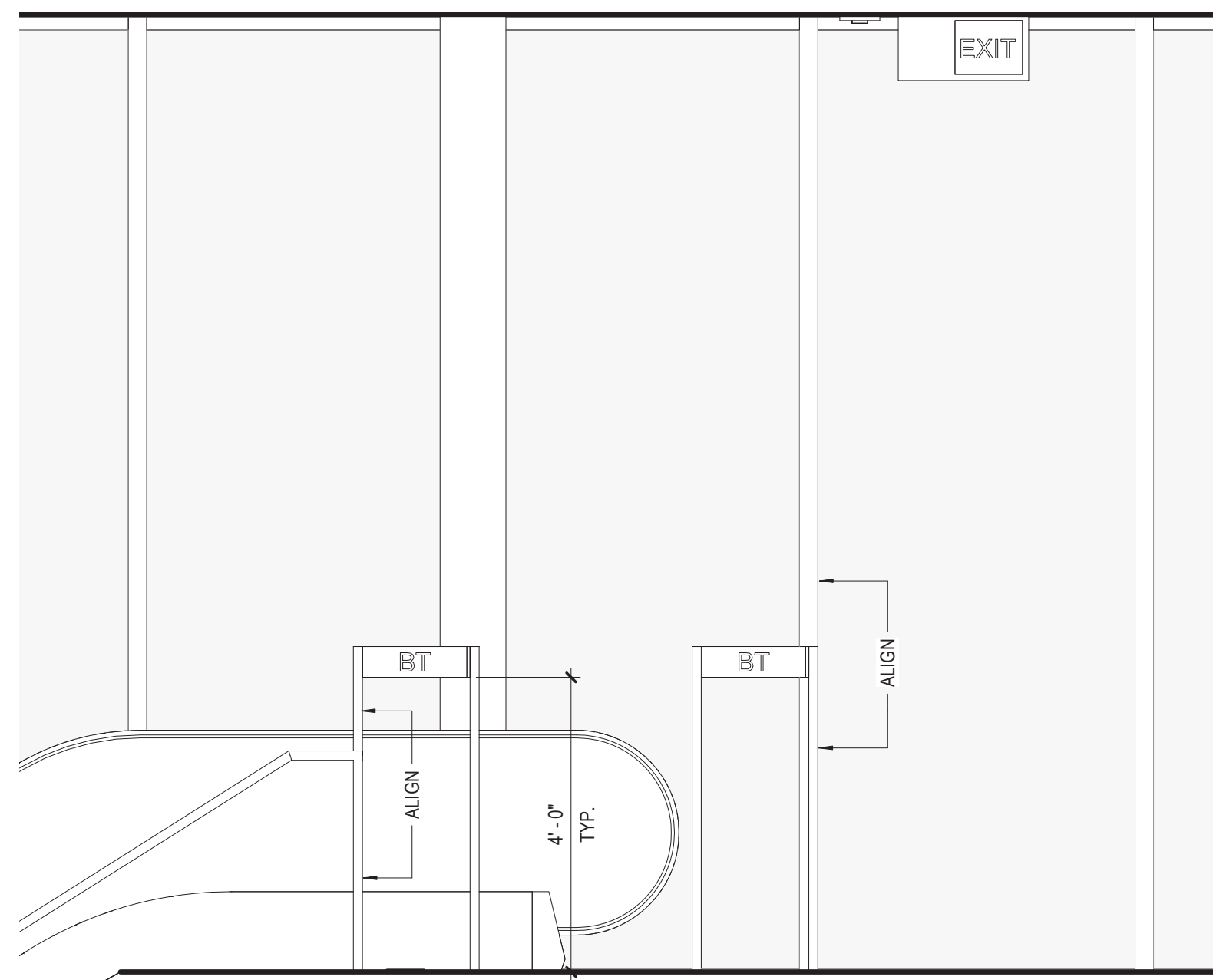
A
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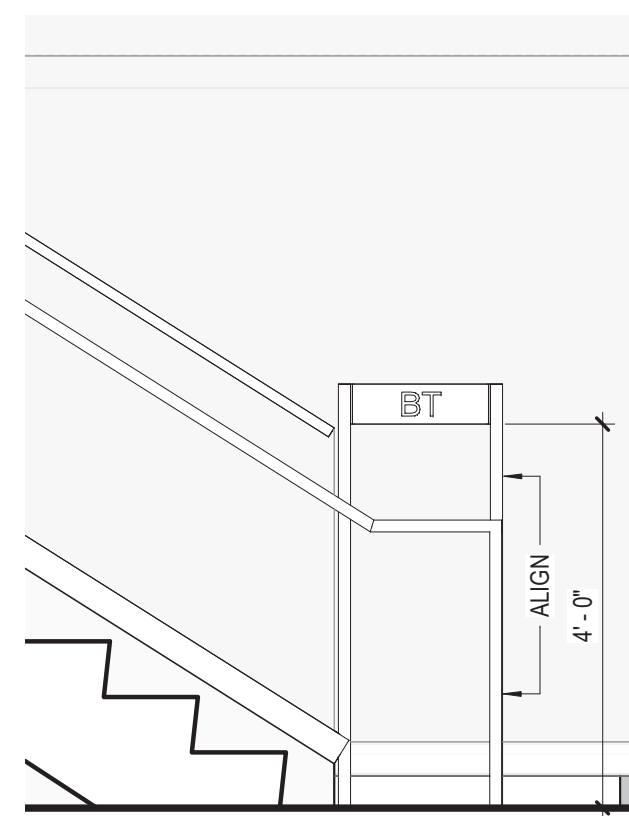
5 **BRaille PLAN L02**
1/4" = 1'-0"



4 **BRaille PLAN L01**
1/4" = 1'-0"

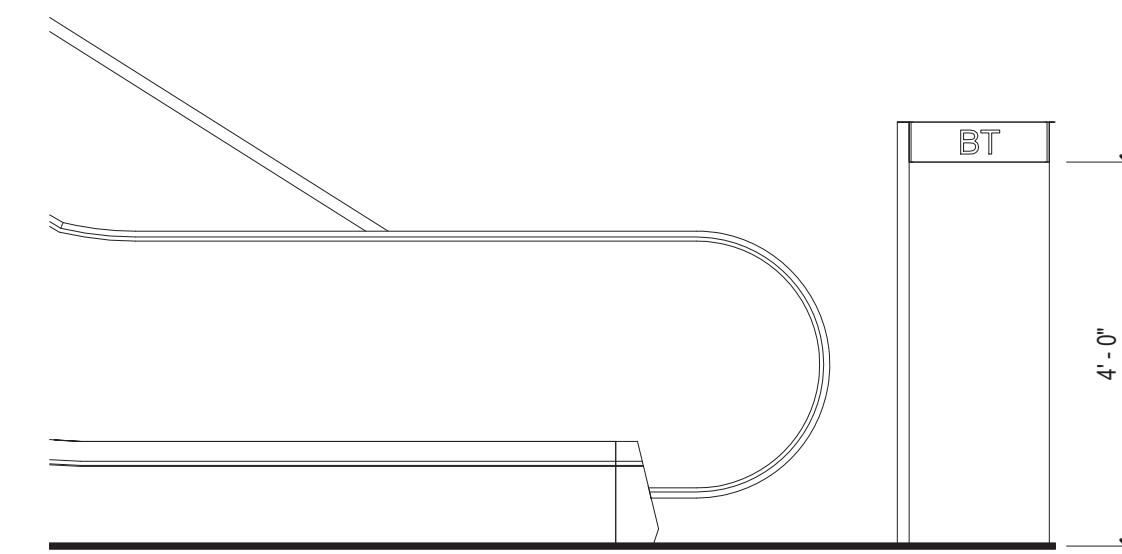


3 **BRaille SIGNAGE ELEVATION - ESCALATOR L02**
1/2" = 1'-0"

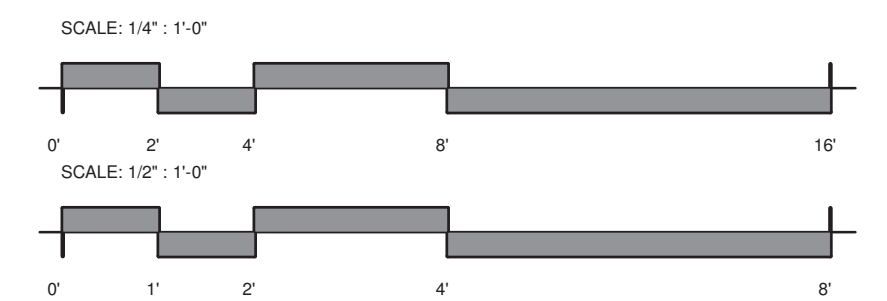


NOTE: DIMENSIONS TYPICAL FOR BT SIGN AT STAIRS AND ESCALATOR.

2 **BRaille SIGNAGE ELEVATION - STAIR**
1/2" = 1'-0"



1 **BRaille SIGNAGE ELEVATION - ESCALATOR L01**
1/2" = 1'-0"



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

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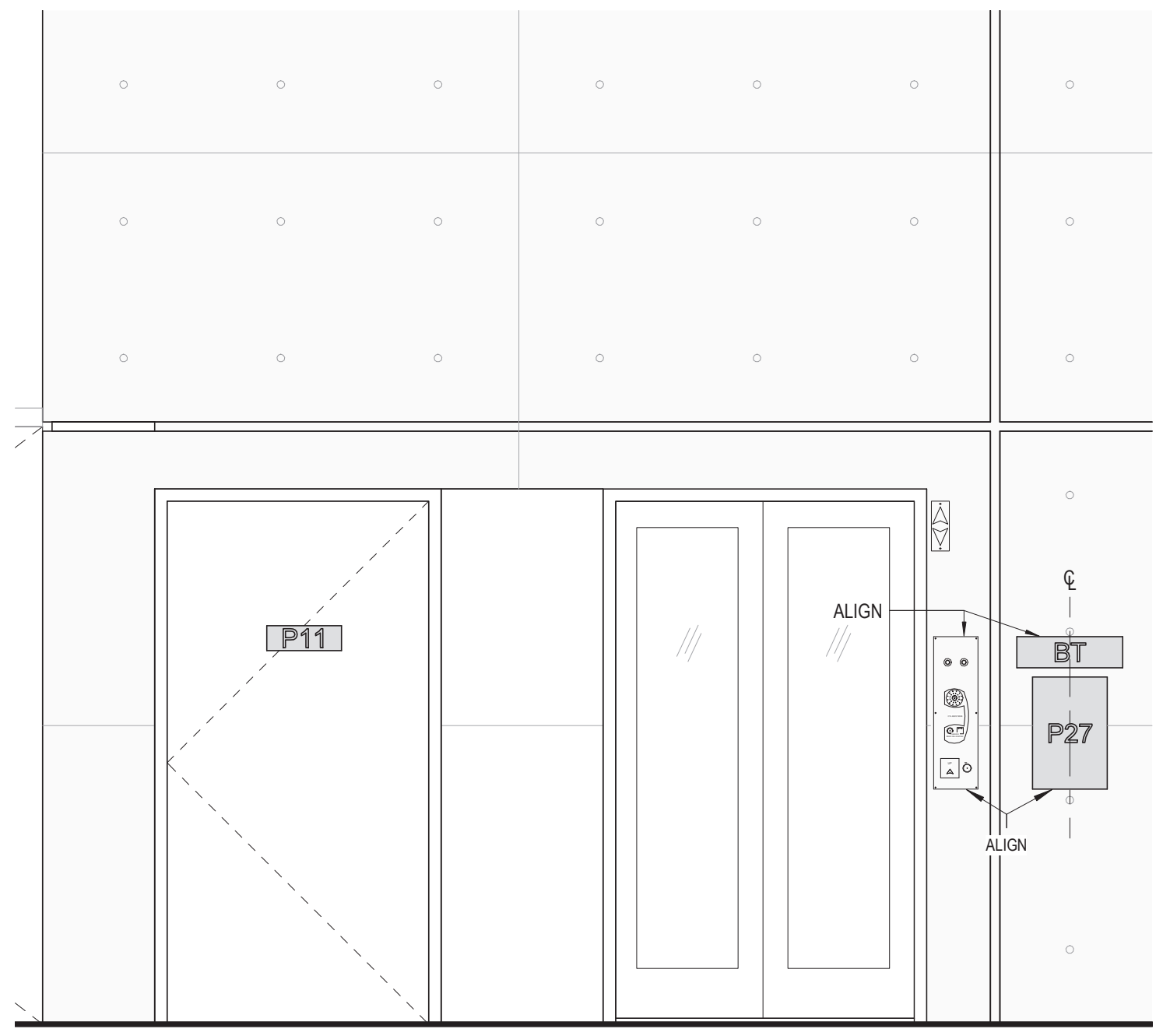
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
BRaille SIGNAGE ELEVATION - LEVEL 01
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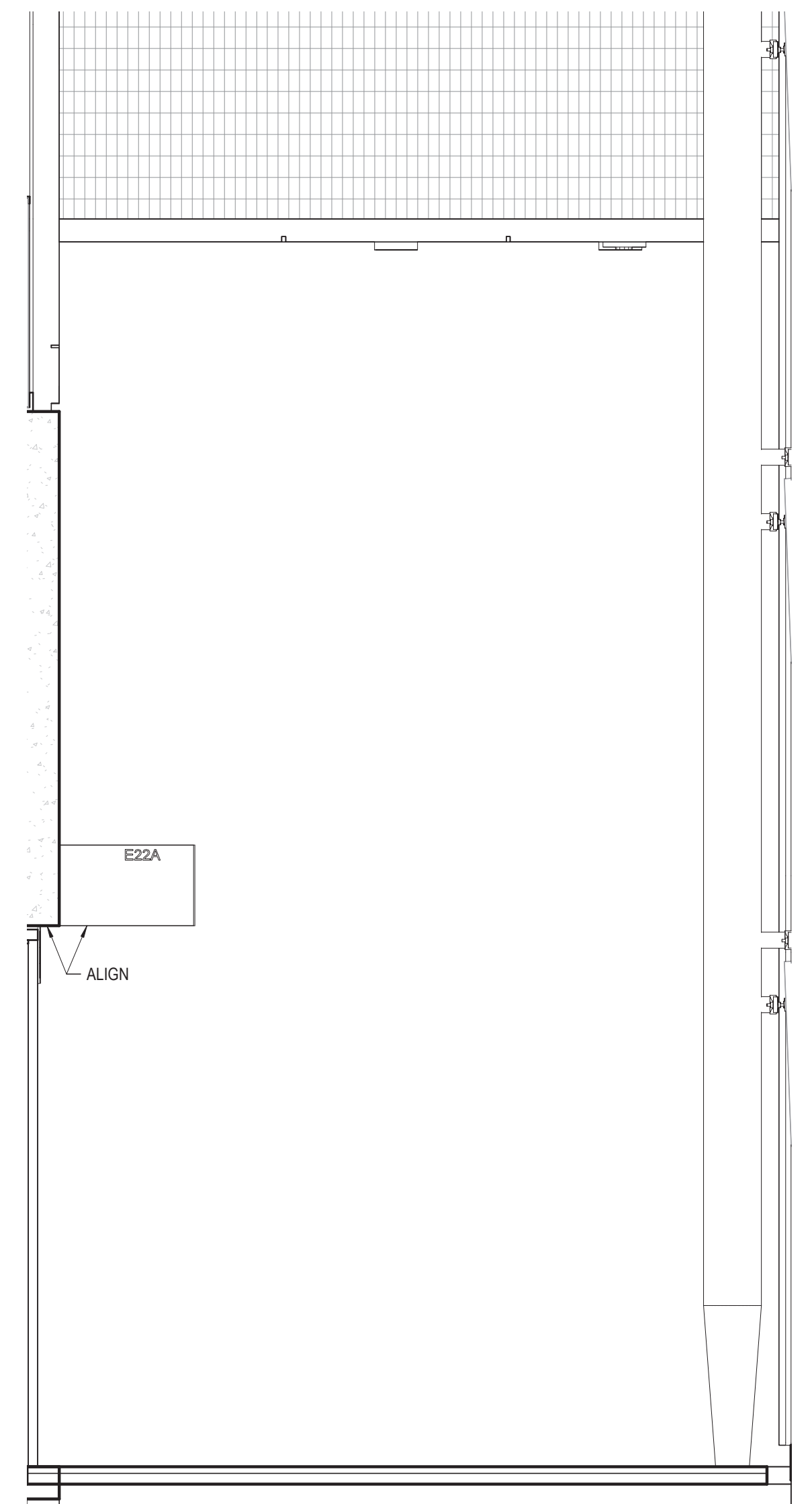
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DRAWING NO. AG43-04
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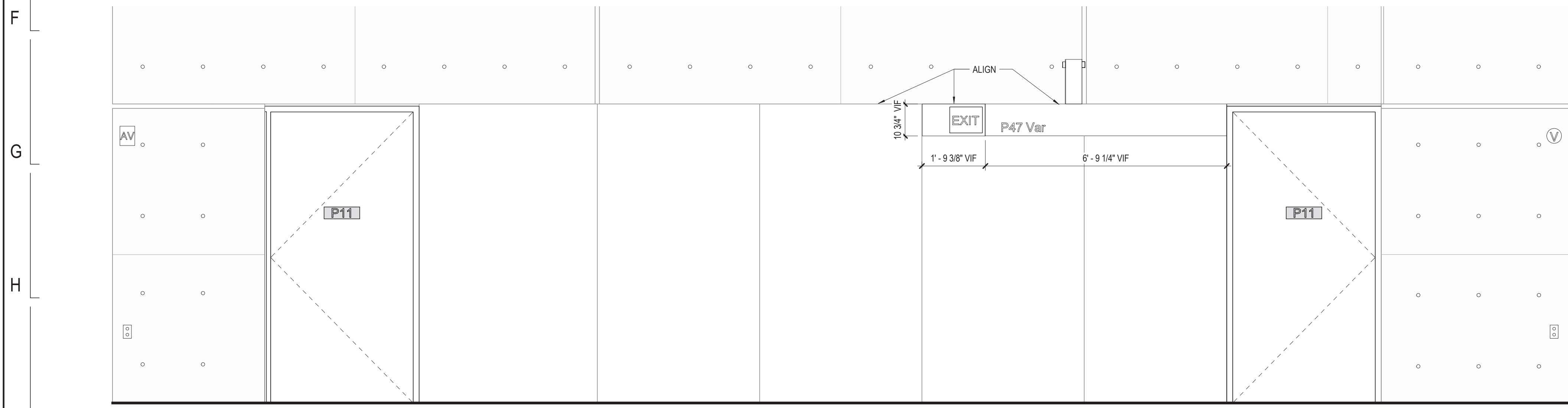
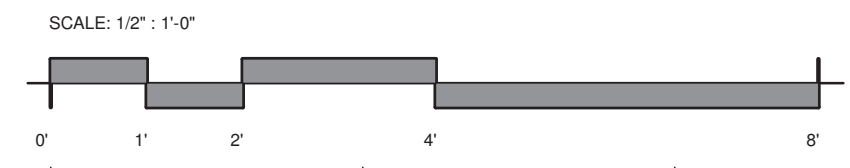
NOTE: DIMENSIONS TYPICAL FOR ELEVATOR SIGNAGE, UNO.

④ ELEVATOR 01 L02 ELEVATION
1/2" = 1'-0"

③ ELEVATOR 01 L01 ELEVATION
1/2" = 1'-0"



① E22 ELEVATION
1/2" = 1'-0"



② P47 ELEVATION - L01
1/2" = 1'-0"

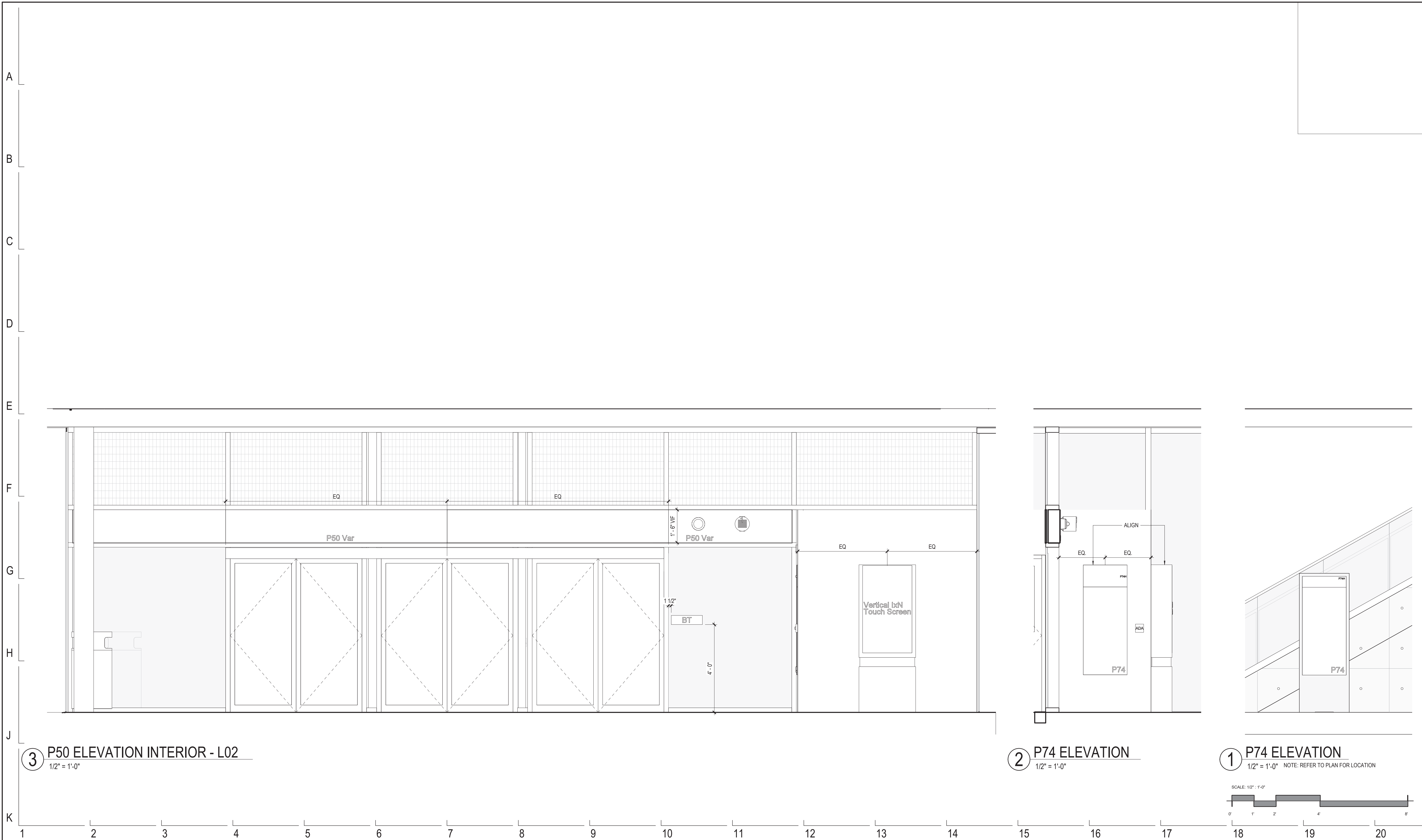
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
P-47 DIRECTIONAL ELEVATION - LEVEL 01
CDOT PROJECT D-7-135 DATE: 01/27/2020

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REVISION NO.



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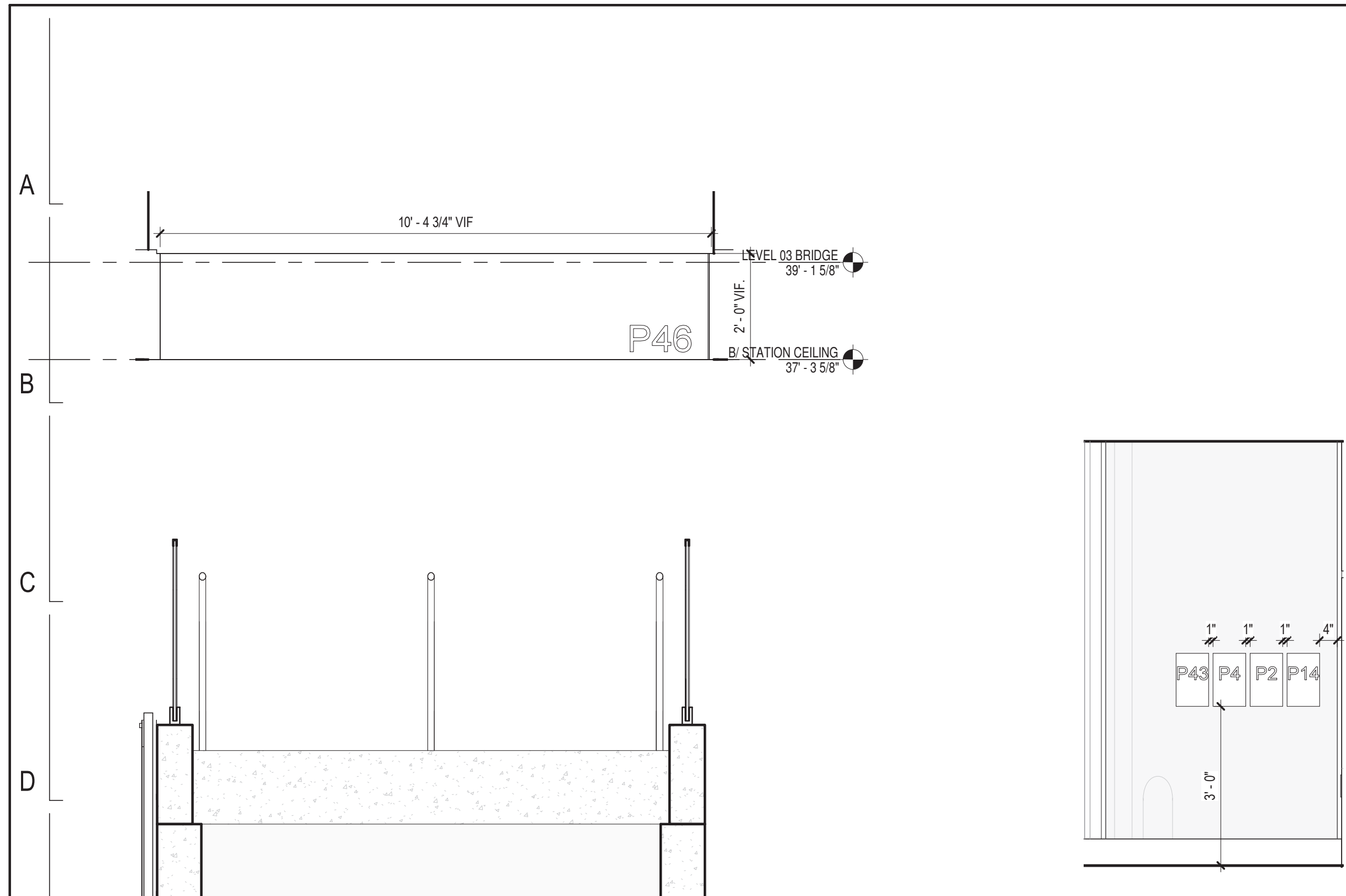
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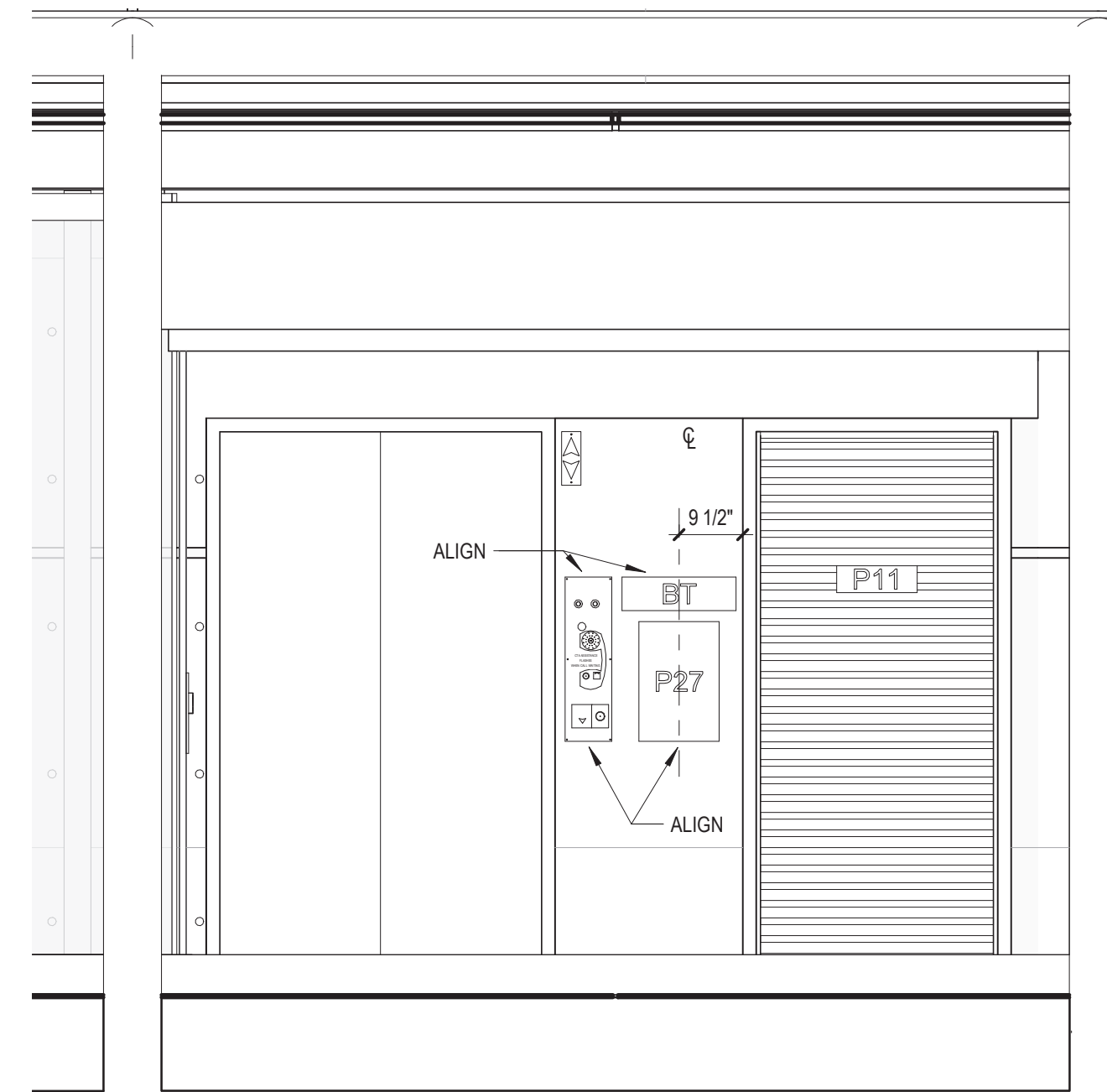
154 N DAMEN AVE - DAMEN GREEN LINE STATION
P-50 DIRECTIONAL SIGNAGE ELEVATION - LEVEL 02
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
 DRAWING NO. **AG43-06**
 REVISION NO.

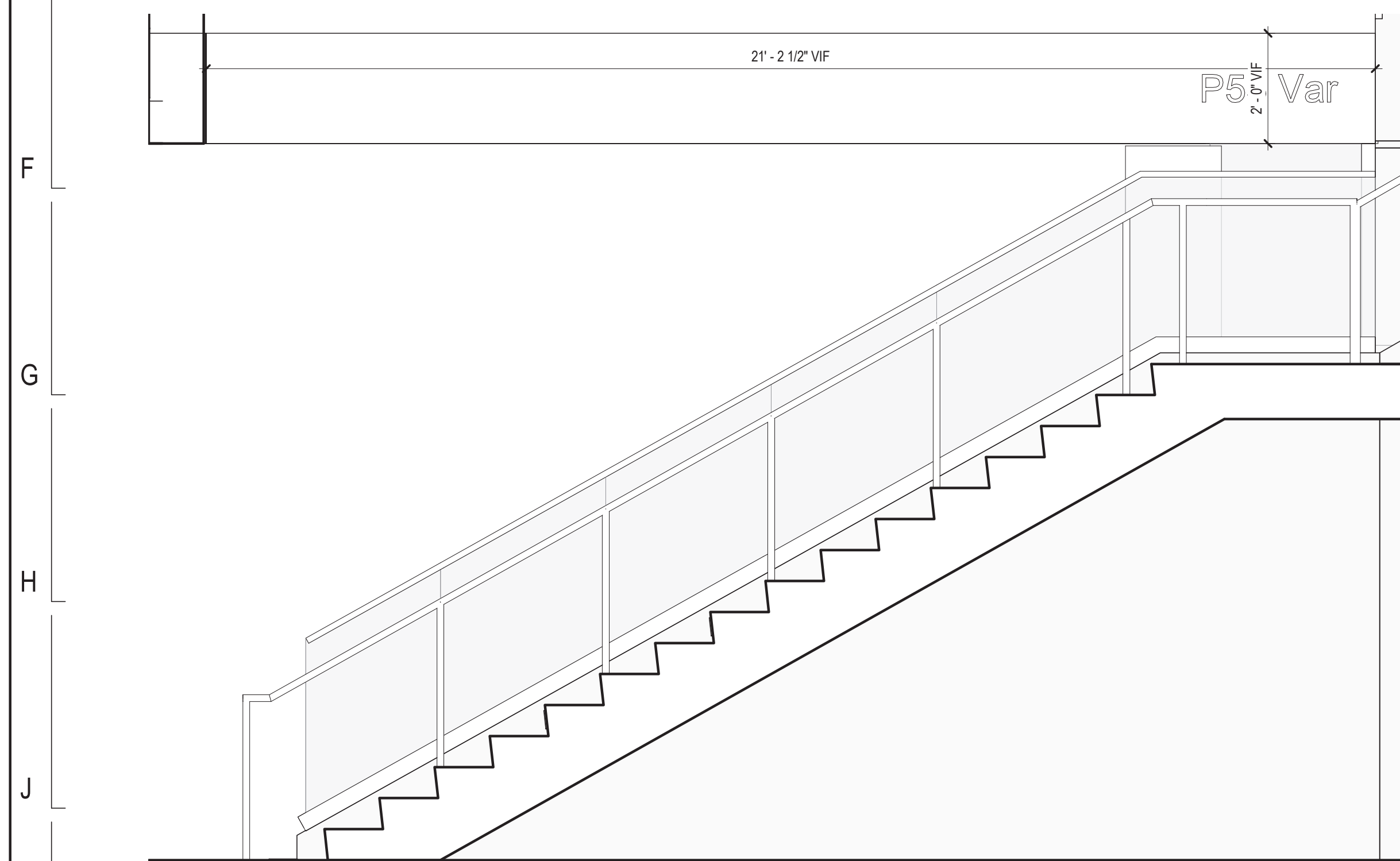


5 P46 ELEVATION
1/2" = 1'-0"

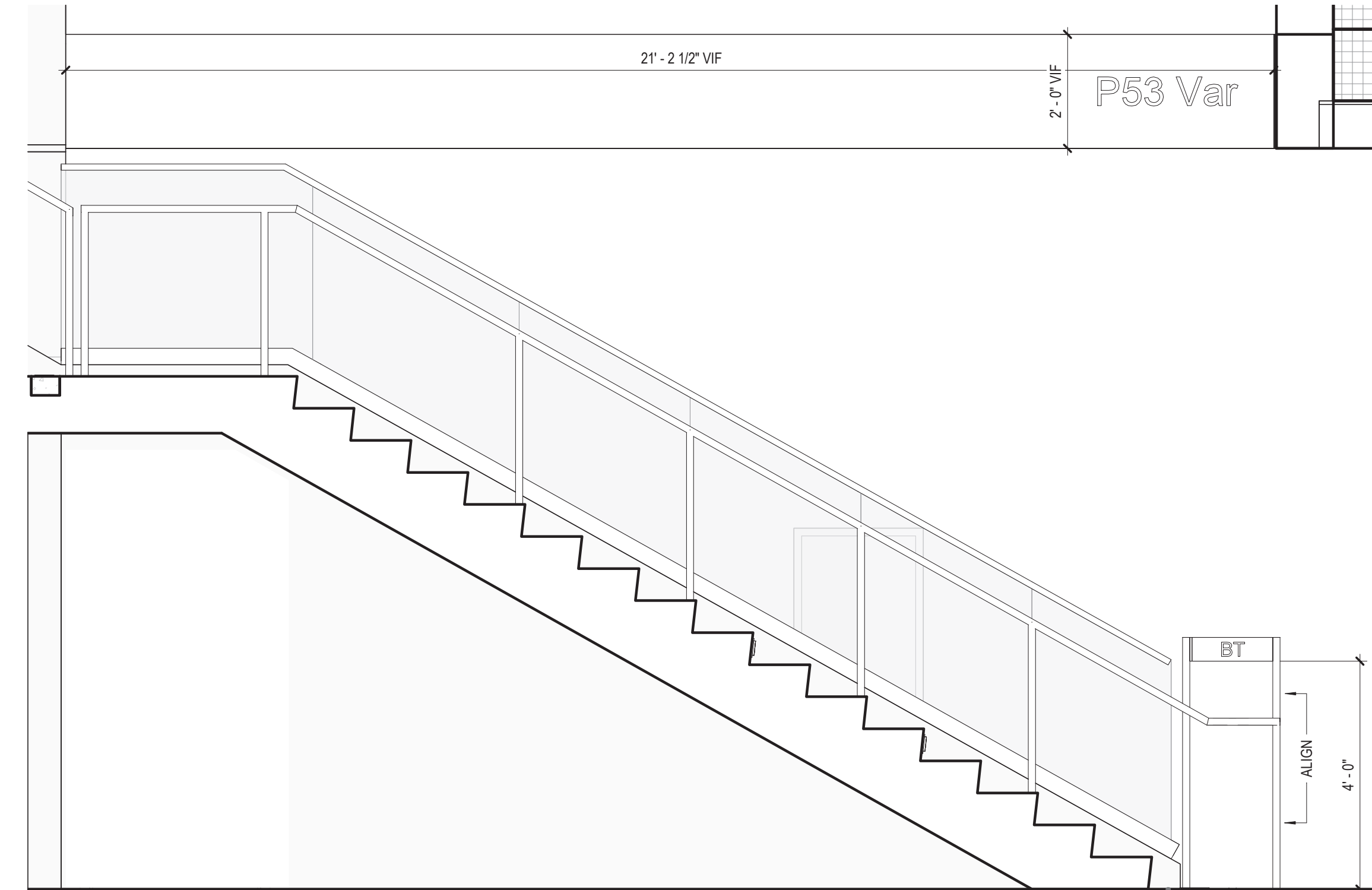
4 ELEV 01 ELEVATION
1/2" = 1'-0"



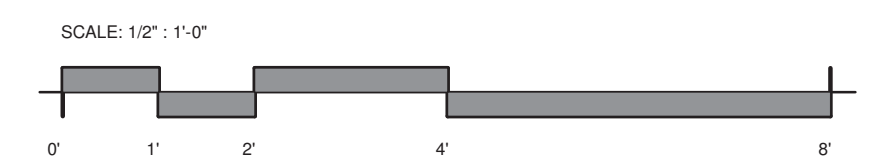
2 ELEV 01 ELEVATION
1/2" = 1'-0"



3 P53 ELEVATION
1/2" = 1'-0"



1 P53 ELEVATION
1/2" = 1'-0"



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

DIRECTIONAL SIGNAGE ELEVATION - LEVEL 02 STAIRS

CDOT PROJECT D-7-135

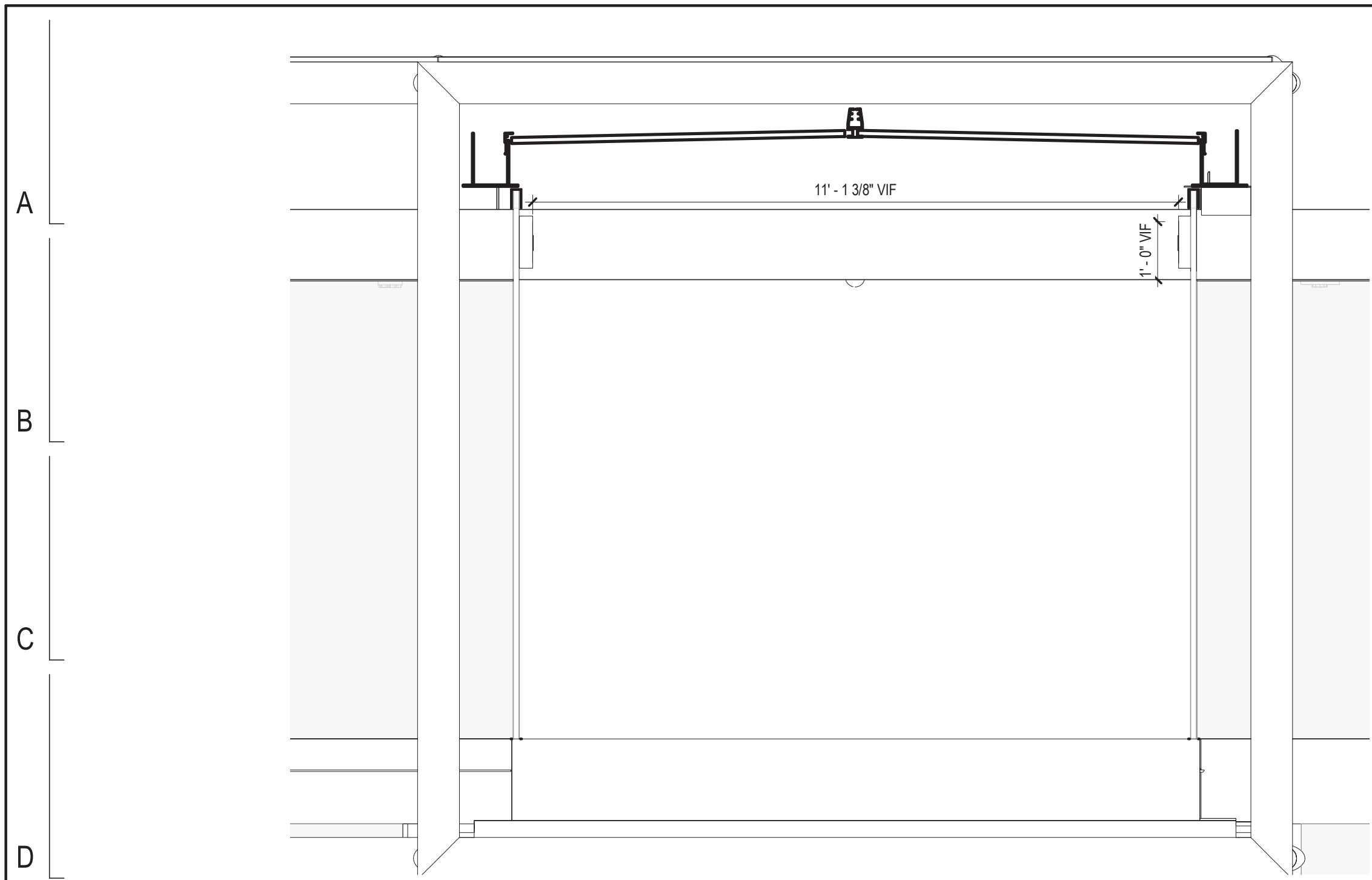
DATE: 01/27/2020

SPEC. NO.

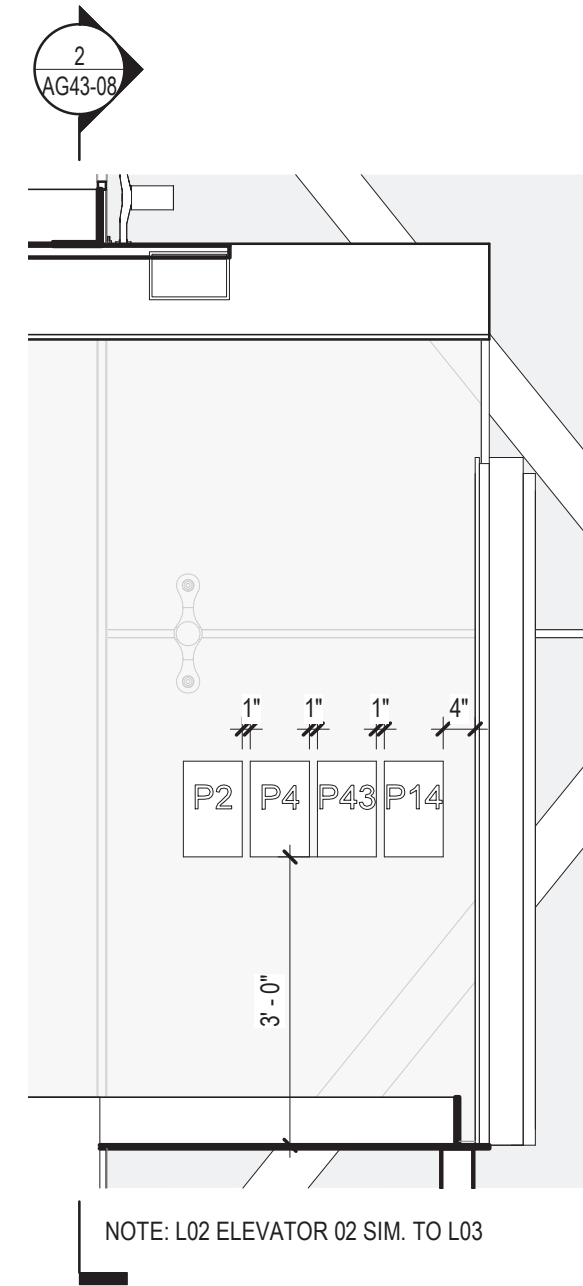
DRAWING NO.

AG43-07

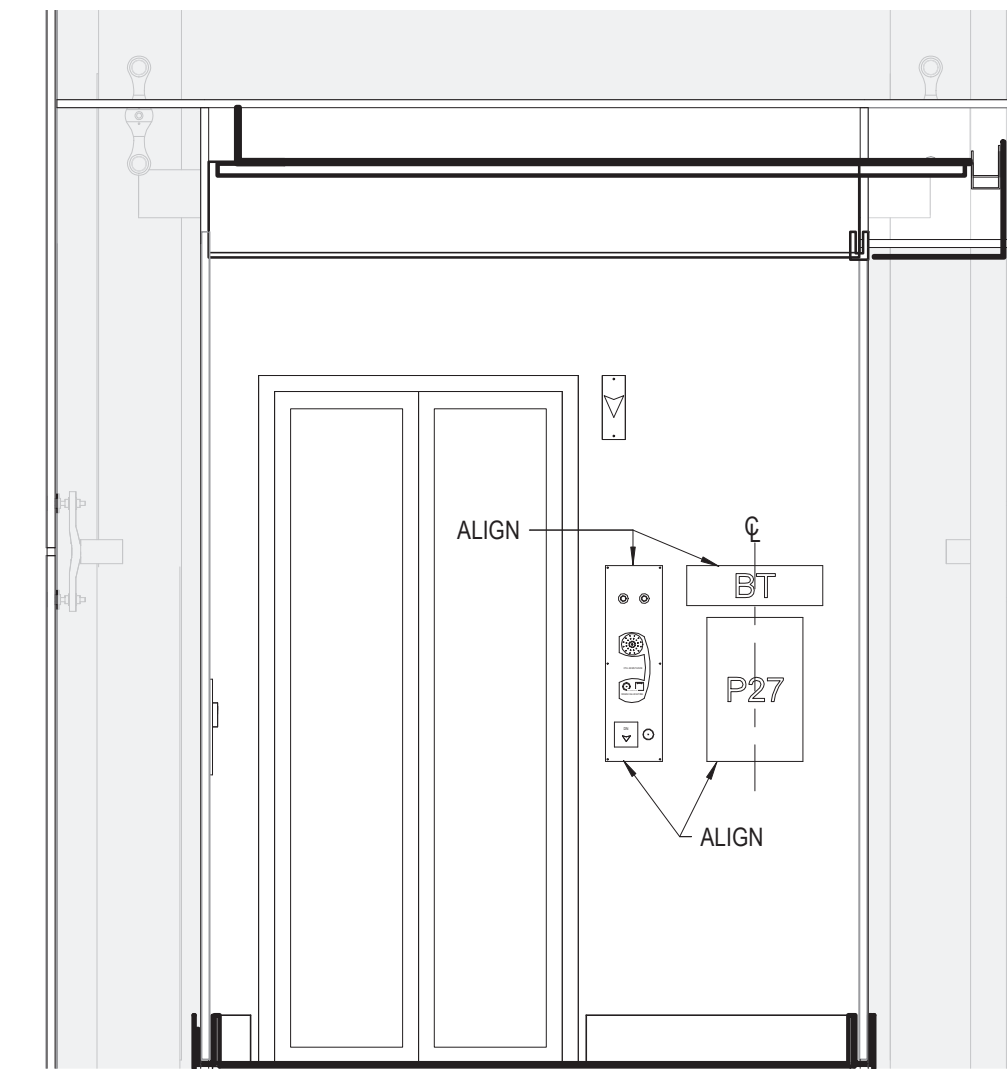
REVISION NO.



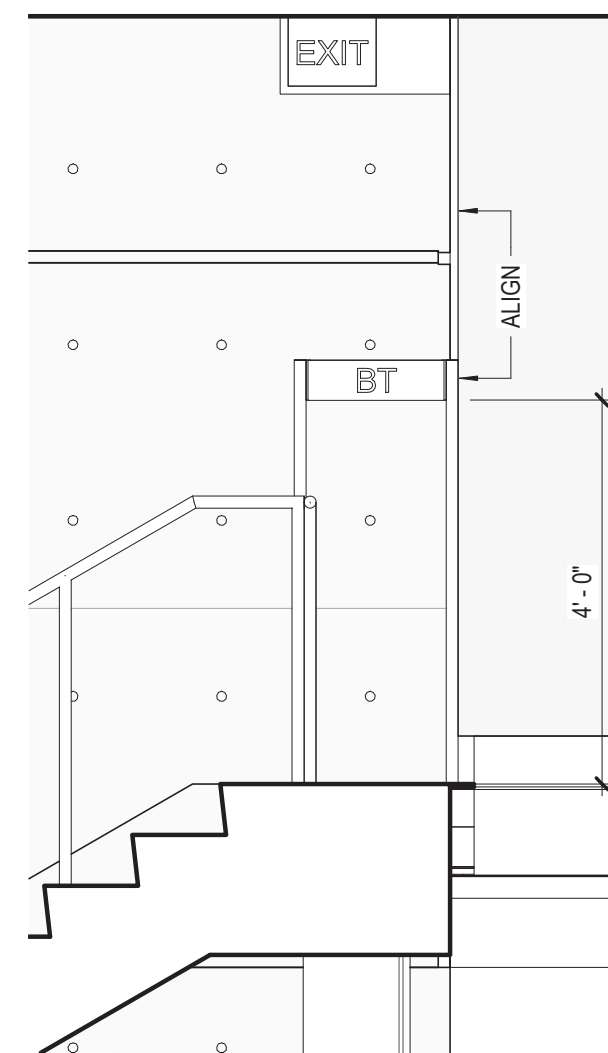
5 P53 ELEVATION - SOUTH
1/2" = 1'-0"



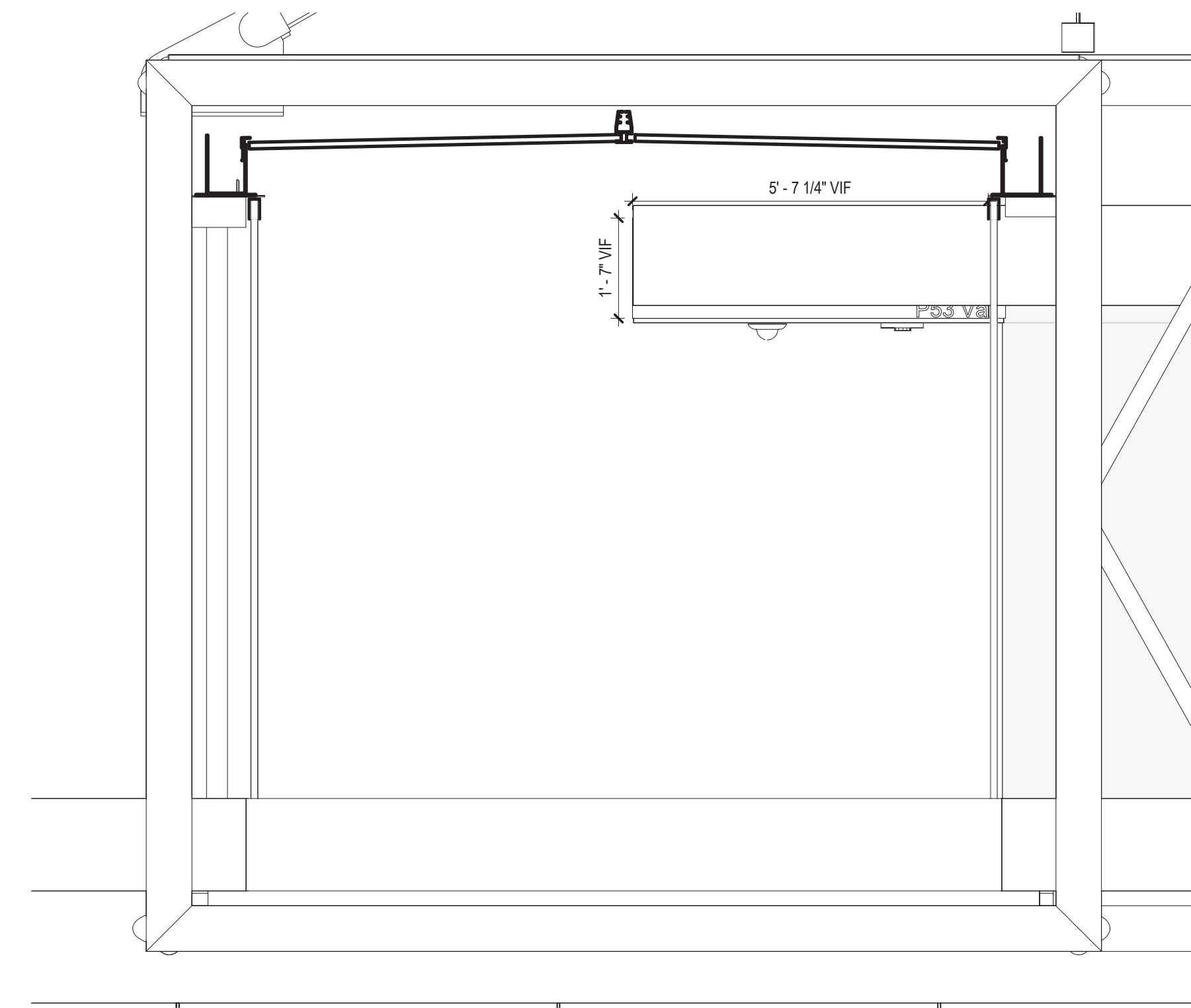
4 ELEV 02 L03 ELEVATION
1/2" = 1'-0"



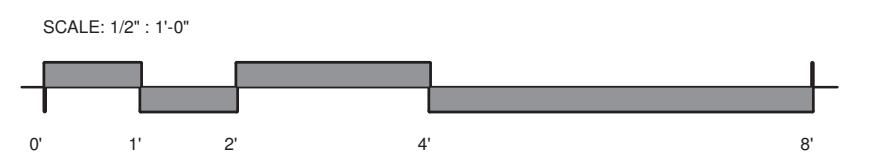
2 ELEV 02 L03 ELEVATION
1/2" = 1'-0"



3 BRAILLE SIGNAGE STAIR - L02
1/2" = 1'-0"



1 P53 ELEVATION - NORTH
1/2" = 1'-0"



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

P-53 DIRECTIONAL SIGNAGE ELEVATION - BRIDGE

CDOT PROJECT D-7-135

DATE: 01/27/2020

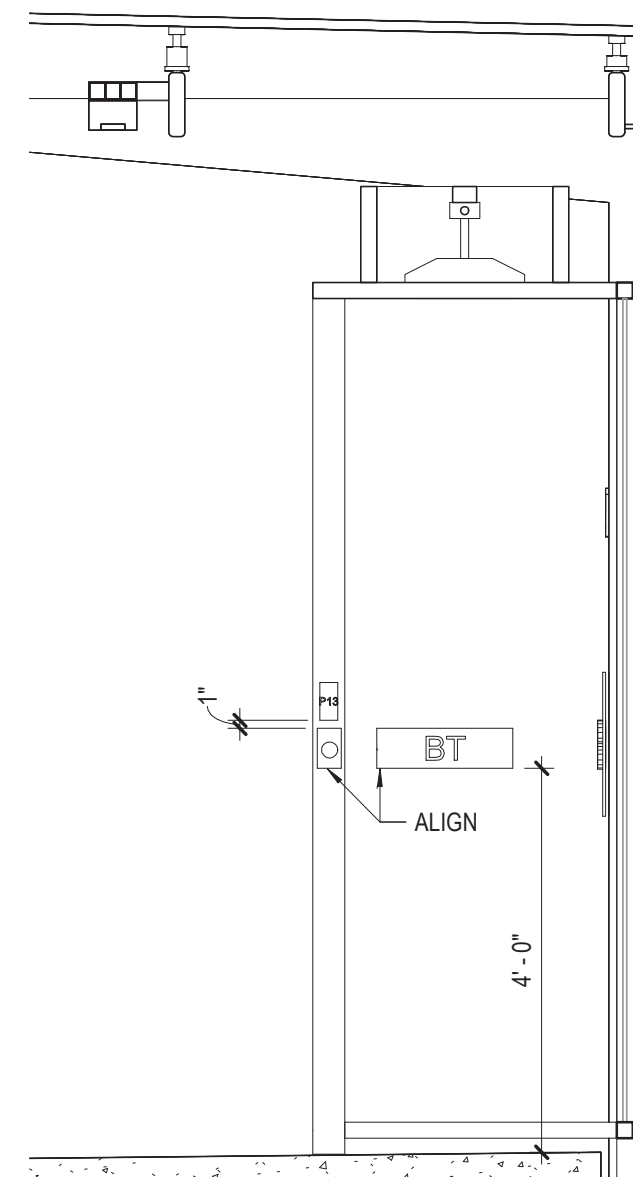
SPEC. NO.

DRAWING NO.

AG43-08

REVISION NO.

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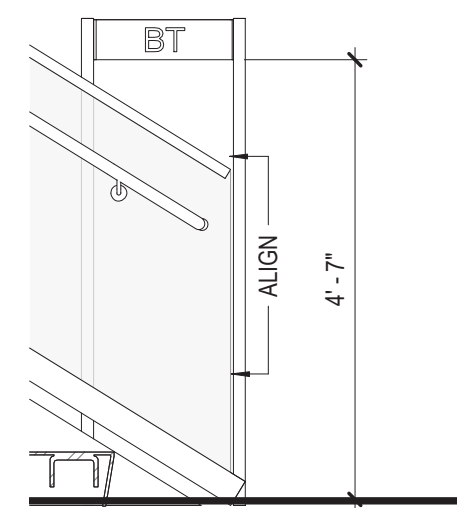


NOTE: DIMENSIONS TYPICAL AT WEST WINDBREAK LOCATIONS.

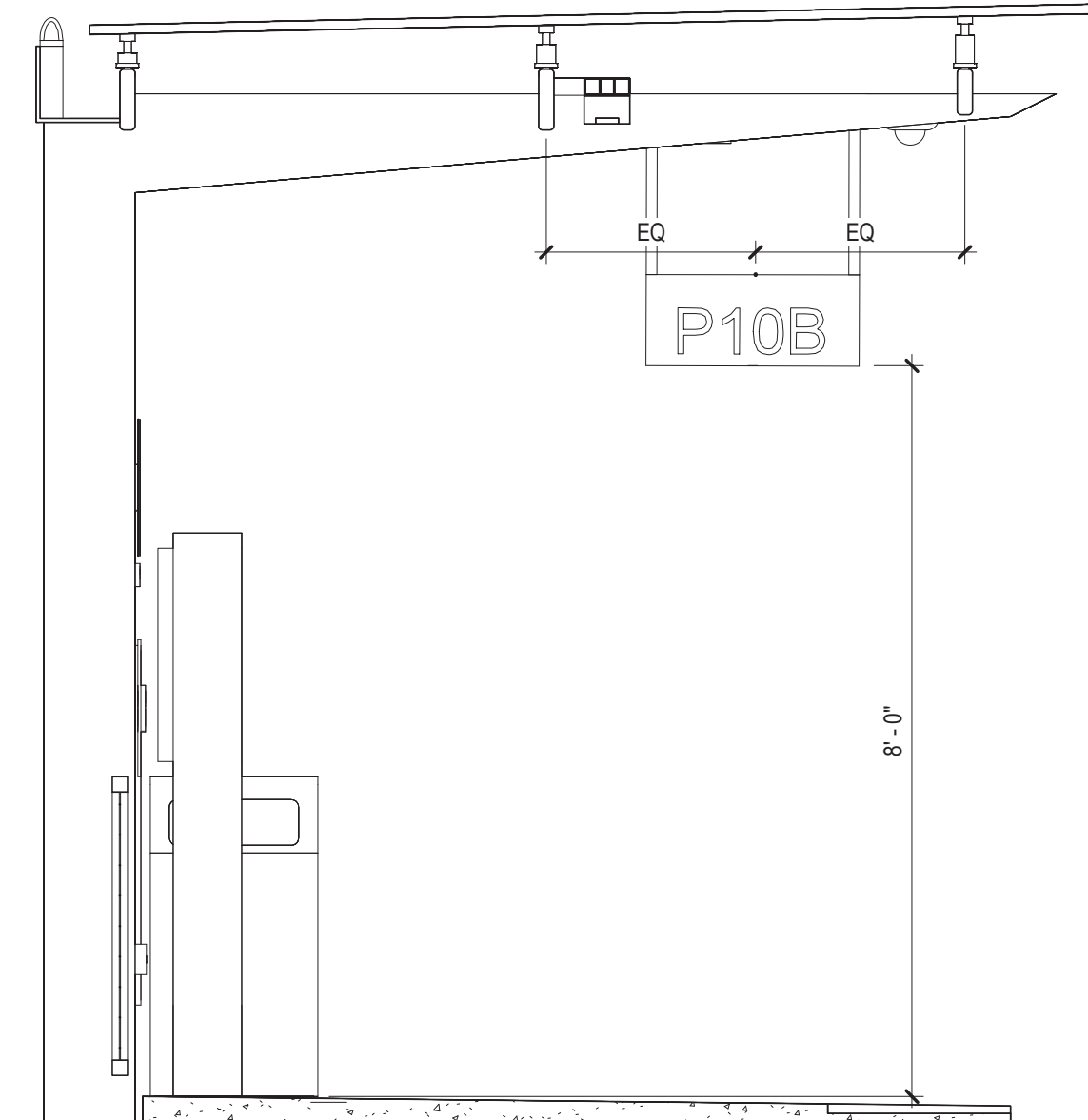
⑥ WINDBREAK ELEVATION
1/2" = 1'-0"



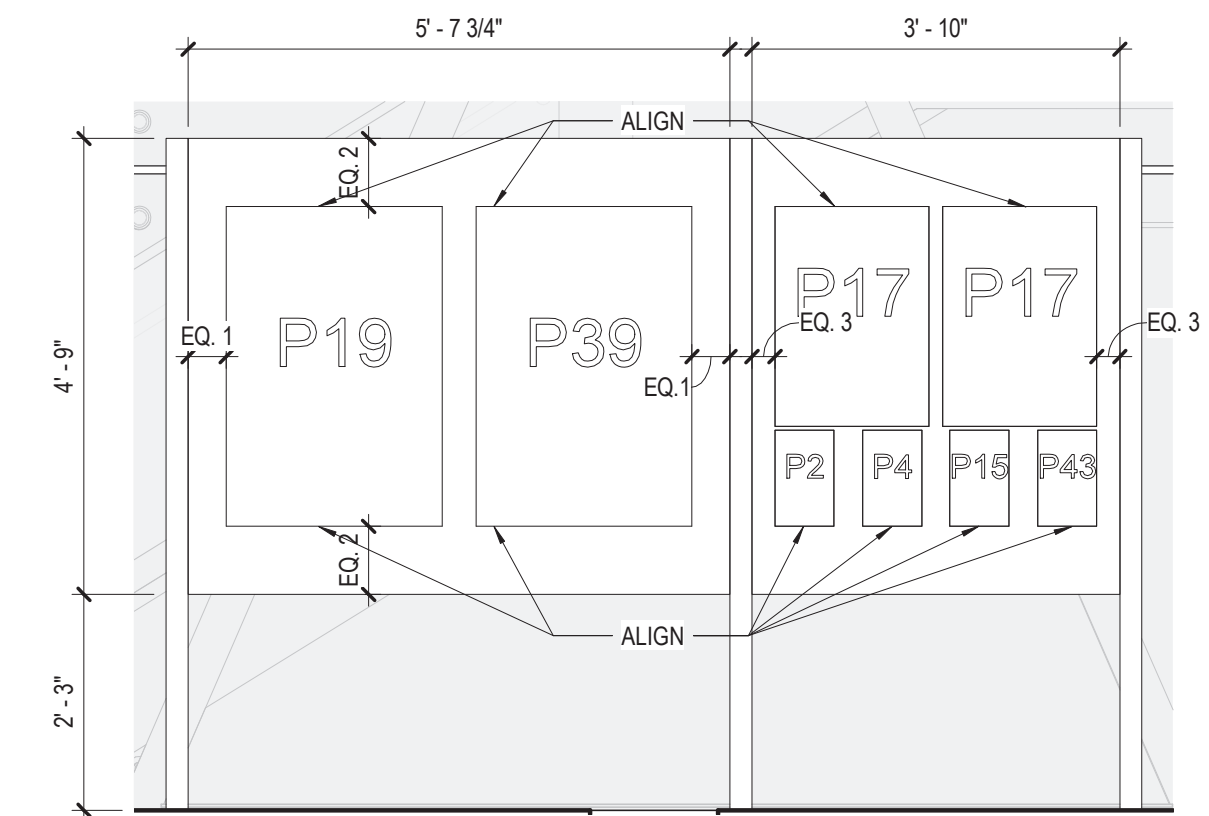
⑤ BRAILLE SIGN N TOWER - L03
1/2" = 1'-0"



④ BRAILLE SIGN N TOWER - L02
1/2" = 1'-0"

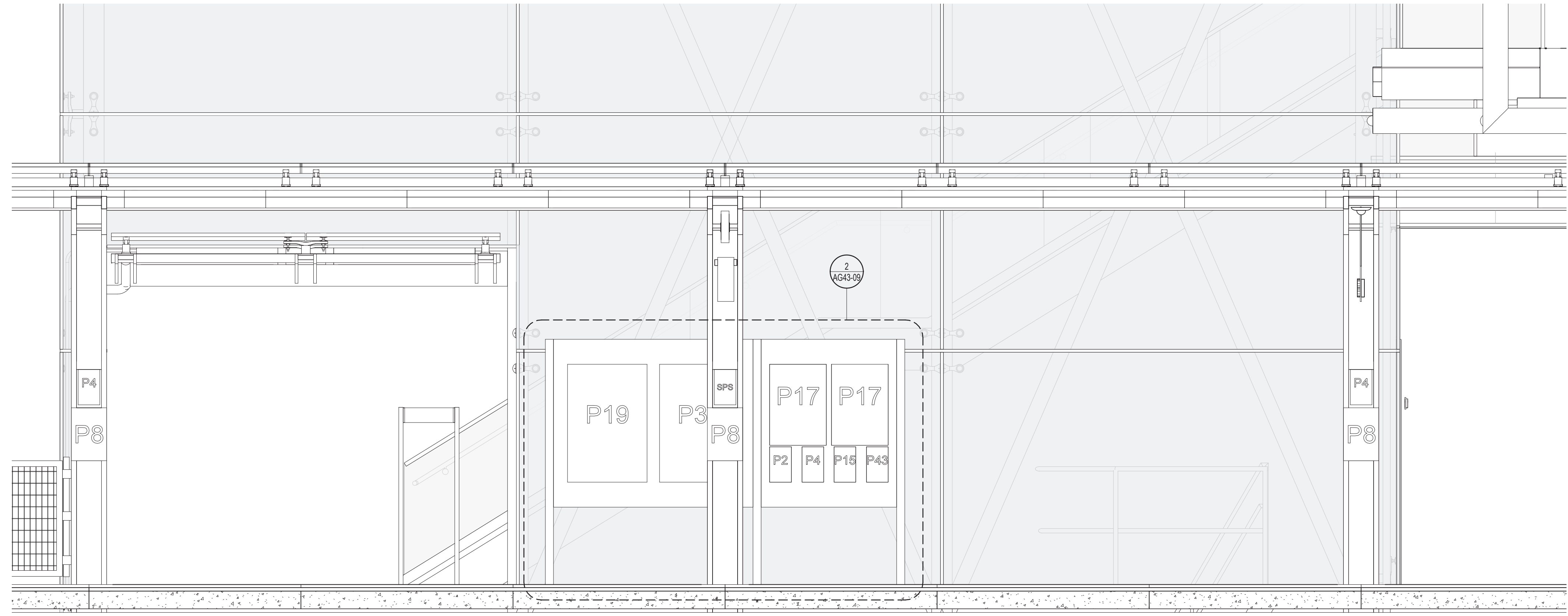


③ P10 ELEVATION
1/2" = 1'-0"



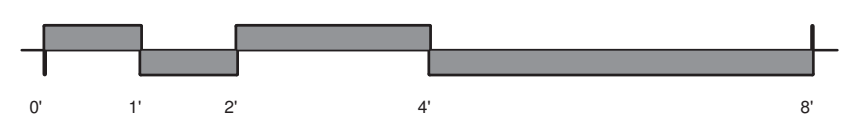
NOTE: DIMENSIONS TYPICAL FOR TRANSIT INFORMATION PANEL AT PLATFORM.

② TRANSIT INFORMATION PANEL - L02
1/2" = 1'-0"



① TRANSIT INFORMATION PANEL ELEVATION - PLATFORM
1/2" = 1'-0"

SCALE: 1/2" = 1'-0"



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

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154 N DAMEN AVE - DAMEN GREEN LINE STATION

TRANSIT INFORMATIONAL PANEL ELEVATION - PLATFORM

CDOT PROJECT D-7-135

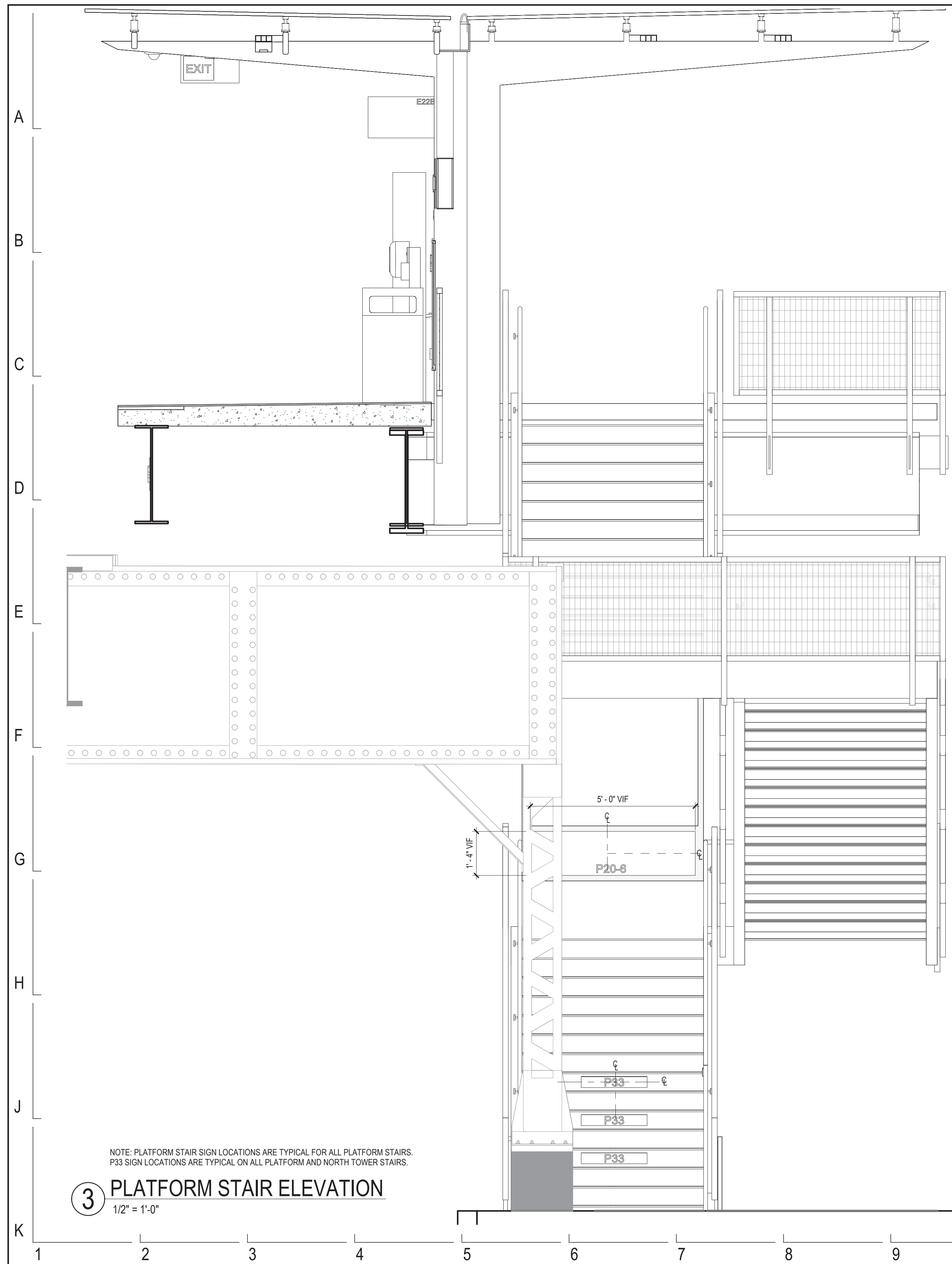
DATE: 01/27/2020

SPEC. NO.

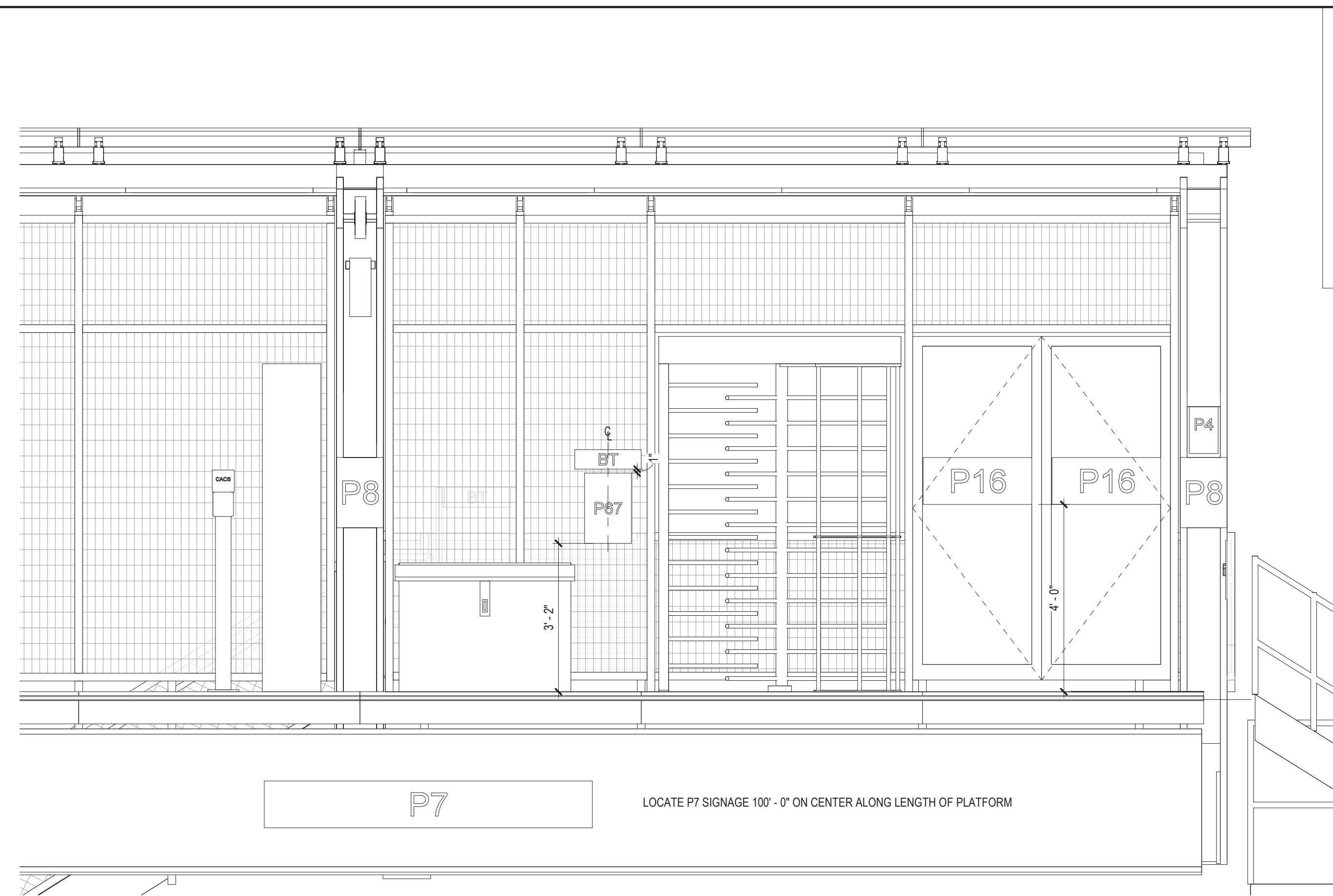
DRAWING NO.

AG43-09

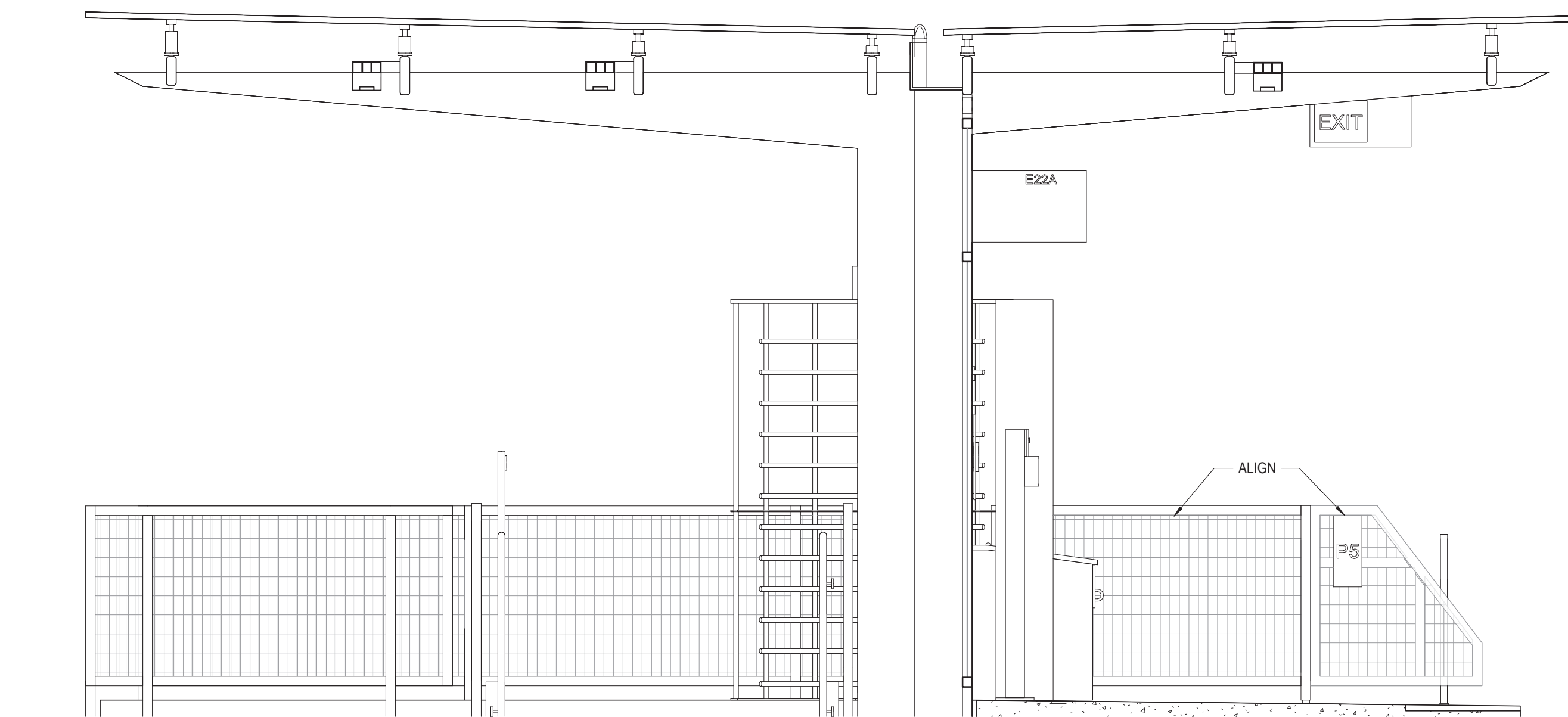
REVISION NO.



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



2 PLATFORM TURNSTILE ELEVATION
1/2" = 1'-0"



1 PLATFORM E22 ELEVATION
1/2" = 1'-0"

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154 N DAMEN AVE - DAMEN GREEN LINE STATION

PLATFORM STAIR AND TURNSTILE ELEVATIONS

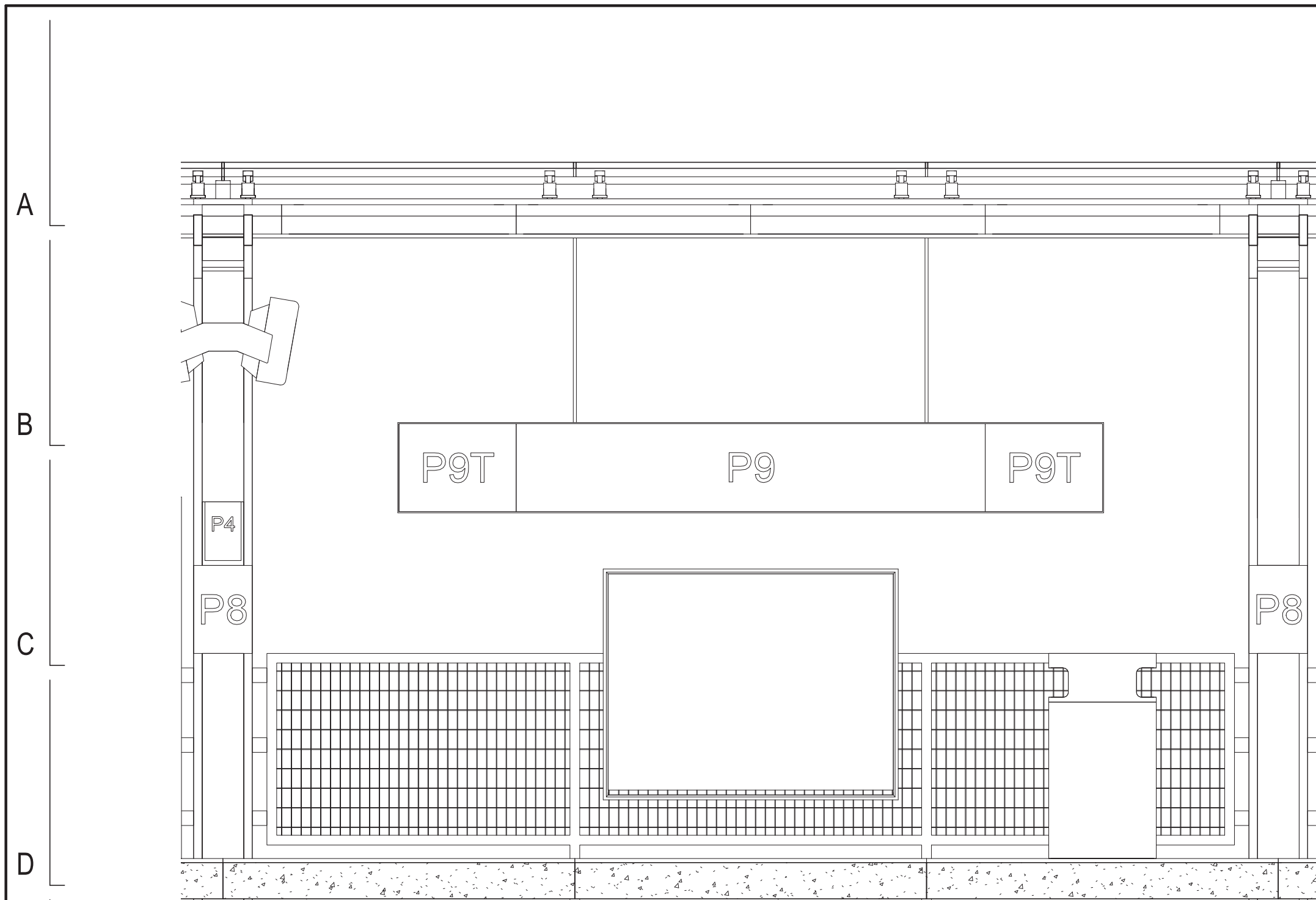
CDOT PROJECT D-7-135

DATE: 01/27/2020

SPEC. NO.

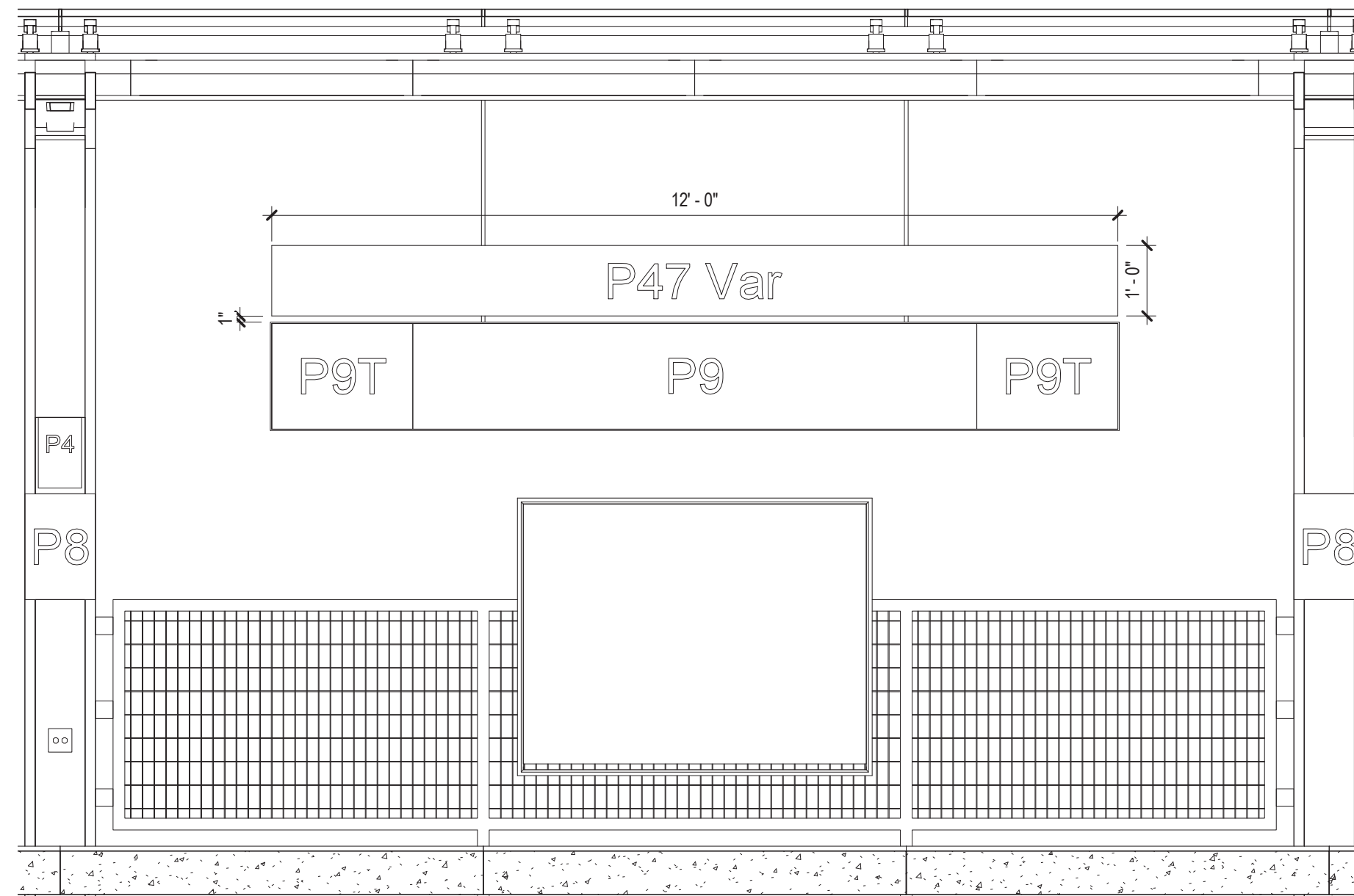
DRAWING NO.
AG43-10

REVISION NO.



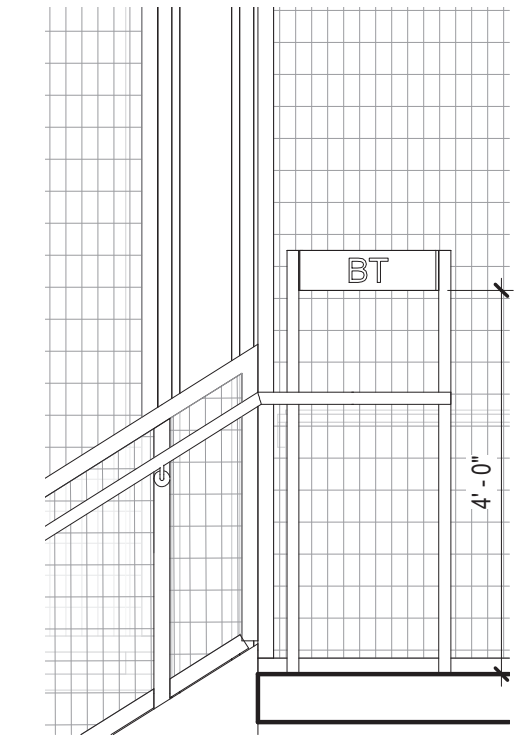
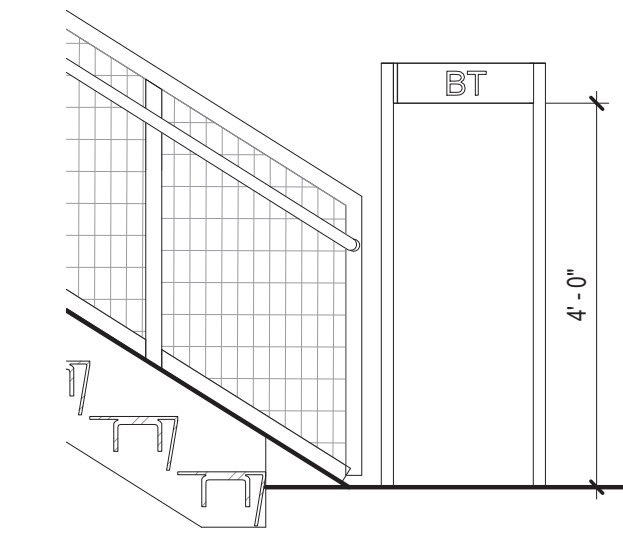
NOTE: DIMENSIONS TYPICAL FOR ALL SIGNAGE SHOWN.

1. ATTACH P8 AND P4 SIGNS TO PLATES AS INDICATED ON STRUCTURAL DWGS.
2. STATIC ADVERTISEMENTS SHALL HAVE FINISHED BACK.
3. P9/ P9T/ P47 SIGNS SHALL HAVE FINISHED BACK U.N.O. SEE A20 SERIES ELEVATIONS FOR LOCATIONS.



NOTE: DIMENSIONS TYPICAL FOR ALL SIGNAGE SHOWN.

1. ATTACH P8 AND P4 SIGNS TO PLATES AS INDICATED ON STRUCTURAL DWGS.
2. STATIC ADVERTISEMENTS SHALL HAVE FINISHED BACK.
3. P9/ P9T/ P47 SIGNS SHALL HAVE FINISHED BACK U.N.O. SEE A20 SERIES ELEVATIONS FOR LOCATIONS.

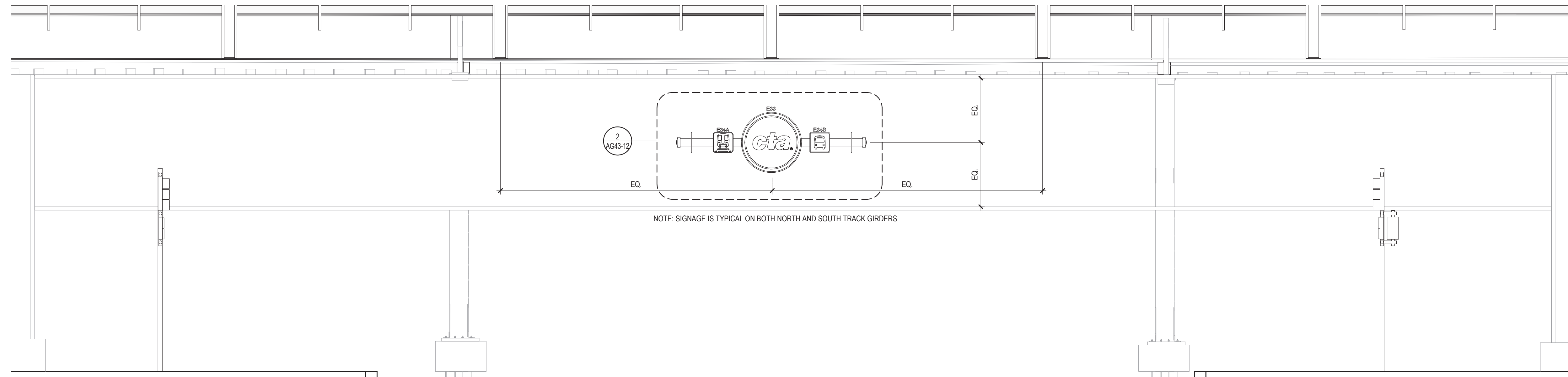


5 TYPICAL SIGNAGE ELEVATION - SOUTH PLATFORM
1/2" = 1'-0"

4 TYPICAL SIGNAGE ELEVATION - SOUTH PLATFORM
1/2" = 1'-0"

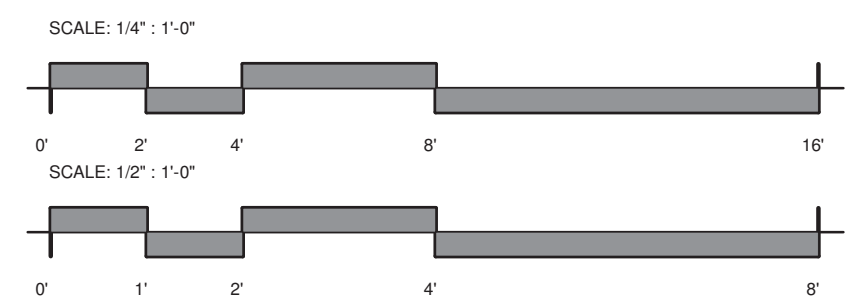
3 EXIT STAIR BRAILLE SIGN L01
1/2" = 1'-0"

2 EXIT STAIR BRAILLE SIGN L02
1/2" = 1'-0"



NOTE: SIGNAGE IS TYPICAL ON BOTH NORTH AND SOUTH TRACK GIRDERS

1 CTA UNDER PLATFORM SIGNAGE ELEVATION
1/4" = 1'-0"



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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

PLATFORM SIGNAGE ELEVATION

CDOT PROJECT D-7-135

DATE: 01/27/2020

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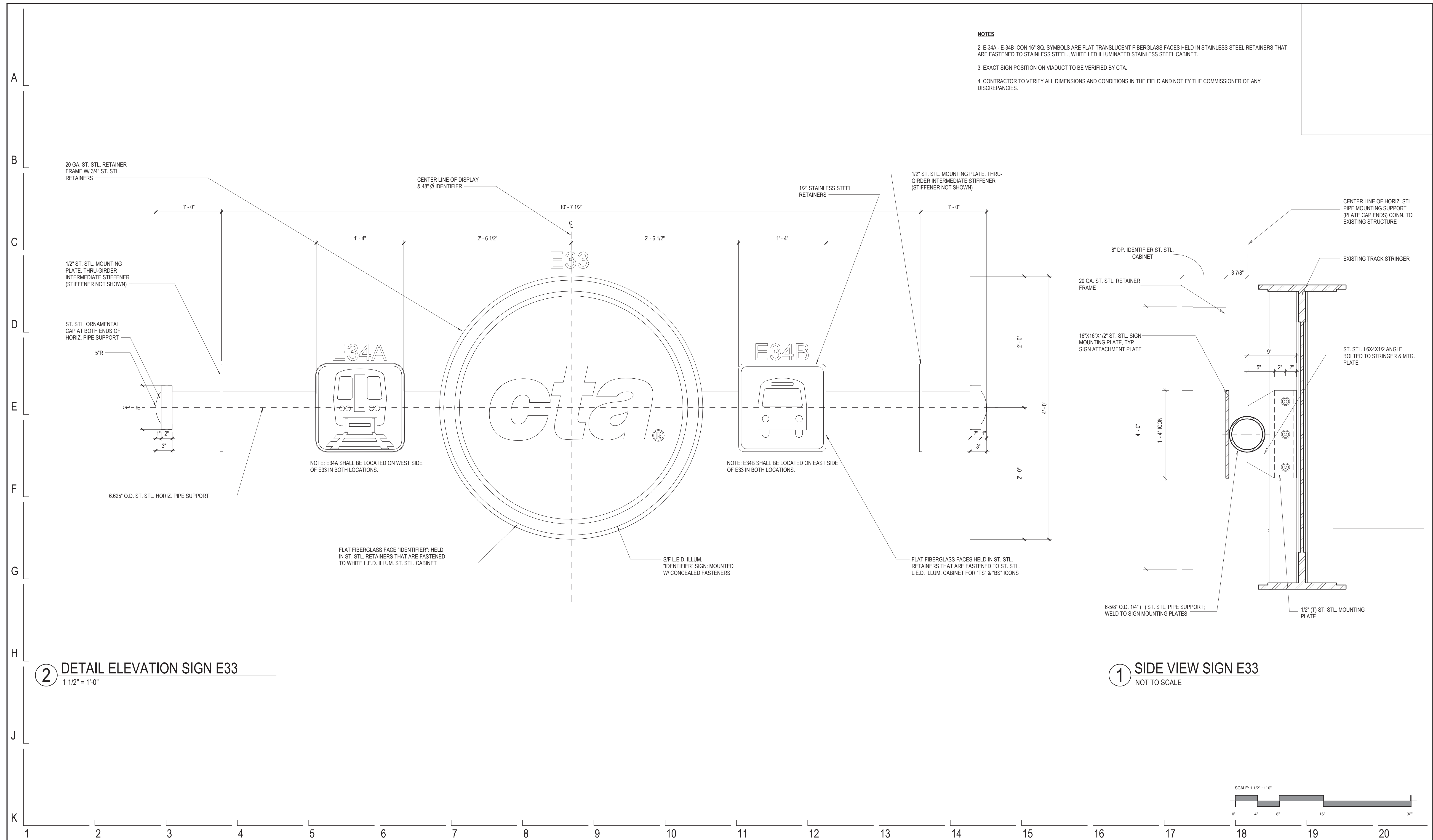
DRAWING NO.

AG43-11

REVISION NO.

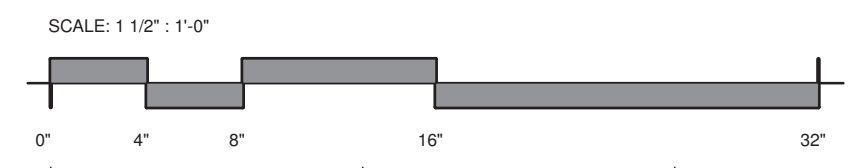
NOTES

- E-34A - E-34B ICON 16" SQ. SYMBOLS ARE FLAT TRANSLUCENT FIBERGLASS FACES HELD IN STAINLESS STEEL RETAINERS THAT ARE FASTENED TO STAINLESS STEEL, WHITE LED ILLUMINATED STAINLESS STEEL CABINET.
- EXACT SIGN POSITION ON VIADUCT TO BE VERIFIED BY CTA.
- CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD AND NOTIFY THE COMMISSIONER OF ANY DISCREPANCIES.



2 DETAIL ELEVATION SIGN E33
1 1/2" = 1'-0"

1 SIDE VIEW SIGN E33
NOT TO SCALE



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154 N DAMEN AVE - DAMEN GREEN LINE STATION
STREET LEVEL E-34/35 SIGN DETAILS
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
DRAWING NO. AG43-12
REVISION NO.

Perkins+Will
Damen Green Line
Issue 002 – 11.01.2019
Scope— Level 1

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
P-69	Bus Connections Map	L1	001	n/a		[CTA Bus Connection Artwork]	27"x40"	Sign placed in 17x40 Alpina Frame	n/a	Digital Output
P-29	Neighborhood Map	L1	002	n/a		[CTA Neighborhood Map Artwork]	27"x40"	Sign placed in 17x40 Alpina Frame	n/a	Digital Output
P-2	No Loitering	L1	003	OP-5561		[No Loitering Permitted Artwork]	7.375"x12"	W	n/a	Porcelain
P-17B	Customer Alert Frame	L1	004	OP-11743		(Customer Alert)	27"x22.5"	n/a	n/a	Stainless Steel
P-4	No Smoking	L1	005	OP-7708		[No Smoking Icon](No Smoking)(Violators Subject to Fine)	7.375"x12"	W	n/a	Porcelain
P-43	Surveillance Sign	L1	006	OP-9011		[Surveillance camera icon](Surveillance cameras on premises)	7.375"x12"	W	n/a	Porcelain
P-17B	Customer Alert Frame	L1	007			(Customer Alert)	27"x22.5"	n/a	n/a	Stainless Steel
P-44	Do Not Feed Birds	L1	008	OP-8989-R2		[Do not feed the birds icon](Do not feed the birds)	7.375"x12"	W	n/a	Porcelain
E-27	Entrance Sign Box	L1	009	TBD		(Damen)(200N 2000W)	16"x60"	Sign Box	YES	Fiberglass
P-66	Handgun Decal	L1	010	n/a		[No Guns Icon]	4"x6"	n/a	n/a	Decal
BT	Braille Sign	L1	011	TBD		(CTA GREEN LINE)(DAMEN)(BRAILLE)	17"x4"	Mounted to glass with backer plate	n/a	Etched Zinc
P-29	Neighborhood Map	L1	012	n/a		[CTA Neighborhood Map Artwork]	27"x40"	Sign placed in 17x40 Alpina Frame	n/a	Digital Output
P-19	Rail Transit Map	L1	013	n/a		[CTA Rail Transit Map Icon]	27"x40"	Sign placed in 17x40 Alpina Frame	n/a	Digital Output
P-39	Station Specific Timetable	L1	014	n/a		[CTA Station Specific Timetable Artwork]	27"x40"	Sign placed in 17x40 Alpina Frame	n/a	Digital Output
P-2	No Loitering	L1	015			[No Loitering Permitted Artwork]	7.375"x12"	W	n/a	Porcelain
P-17	Customer Alert Frame	L1	016	OP-5743-R2		(Customer Alert)	27.5"x19.25"	n/a	n/a	Stainless Steel
P-4	No Smoking	L1	017			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	7.375"x12"	W	n/a	Porcelain
P-14	Hold on to your Children	L1	018	OP-7362		(Hold on to your children)[Hold on to Children Icon]	7.375"x12"	W	n/a	Porcelain
P-17	Customer Alert Frame	L1	019			(Customer Alert)	27.5"x19.25"	n/a	n/a	Stainless Steel

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

MESSAGE SCHEDULE LEVEL 01

CDOT PROJECT D-7-135

DATE: 01/27/2020

SPEC. NO.

DRAWING NO.
AG60-01

REVISION NO.

Perkins+Will
Damen Green Line
Issue 002 – 11.01.2019
Scope— Level 1

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
P-43	Surveillance Sign	L1	020			[Surveillance camera icon](Surveillance cameras on premises)	7.375"x12"	W	n/a	Porcelain
P-68	Rules of Conduct	L1	021	OP-9787		CTA TO PROVIDE	12"x28"	12x28 Alpina Frame	n/a	Porcelain
P-63var	Purchase Farecards	L1	022	TBD		[Information Icon][Train Icon][Bus Icon](Transit Information) [Farecards icon](Purchase farecards here)	27' 7 7.875"x12"	TBD	n/a	Vinyl
P-64	Title VI Sign	L1	023	OP-10376		CTA TO PROVIDE	7.375"x7.375"	MW	n/a	Porcelain
CACS	Customer Assistance Call Station		024	OP-7408-R1		(PUSH FOR CUSTOMER ASSISTANT)[BRAILLE]	5.65"x5.65"	CACS	YES	Etched Zinc
P-61	Enter Here for Trains	L1	025	TBD		(Enter here for trains)[Train Icon]	17'3"x11.75"		n/a	Fiberglass
P-16	Emergency Exit	L1	026	OP-10431		[Left Arrow](Enter to trains through turnstile only)	28"x12"	L	n/a	Fiberglass
P-16	Emergency Exit	L1	027	OP-10131		(No Entry. Emergency Exit Only)	28"x12"	L	n/a	Fiberglass
P-16	Emergency Exit	L1	028	OP-10287		(Exit through turnstile only)[Right Arrow]	28"x12"	L	n/a	Fiberglass
P-16	Emergency Exit	L1	029	OP-10130		(Emergency Exit Only)	28"x12"	L	n/a	Fiberglass
BT	Braille Sign	L1	030	TBD		(ESCALATOR UP TO ASHLAND/63 RD , COTTAGE GROVE AND HARLEM)[BRAILLE]	17"x4"	BT-CA	n/a	Etched Zinc
P-62	Out to Street and Buses	L1	031	TBD		(Out to street and buses)[Bus Icon]	17'3"x11.75"		n/a	Fiberglass
CACS	Customer Assistance Call Station	L1	032			(PUSH FOR CUSTOMER ASSISTANT)[BRAILLE]	5.65"x5.65"	CACS	YES	Etched Zinc
P-76	Elevator Status	L1	033	n/a		[CTA Logo](STATION ELEVATOR STATUS)(The following elevators are out of service)[Elevator Status Artwork]	28.75"x41.75"	Sign placed in Alpina FF-RP Frame	n/a	Dry Erase and Stainless Steel
BT	Braille Sign	L1	034	TBD		(STAIRS UP TO ASHLAND/63 RD , COTTAGE GROVE AND HARLEM)[BRAILLE]	17"x4"	BT-CA	n/a	Etched Zinc
E-22	Illuminated Signage	L1	036	TBD	A	[Elevator Icon] (Elevator)	15"x25.5"	Sign Box	YES	Fiberglass
					B	[Up Arrow](Out)				
P-11	Authorized Personnel Only	L1	037	SOP-1216-R1		(Authorized Personnel Only)	4"x12"	X	n/a	Fiberglass
P-47var	Exit Path Information	L1	038	TBD		[Left Arrow][Bus Icon](Out to street and buses)	12"x72"	BA	n/a	Fiberglass

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

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CDOT/ APPROVED BY:	NO.	DATE	REVISIONS				DES.	DRW.	CHK.	DCCO	CDOT	<table border="0"> <tr> <td rowspan="3"> PERKINS+WILL <small>The Wrigley Building 410 North Michigan Ave. Suite 1600 Chicago, IL 60611 t 312.755.0770 f 312.755.0775 www.perkinswill.com</small> </td> <td rowspan="3">  CHICAGO DEPARTMENT OF TRANSPORTATION </td> <td colspan="15" rowspan="2">154 N DAMEN AVE - DAMEN GREEN LINE STATION</td> <td>SPEC. NO.</td> </tr> <tr> <td colspan="15">MESSAGE SCHEDULE LEVEL 01</td> <td>DRAWING NO. AG60-02</td> </tr> <tr> <td colspan="10">DIVISION OF ENGINEERING</td> <td colspan="2">CDOT PROJECT D-7-135</td> <td colspan="3">DATE: 01/27/2020</td> <td>REVISION NO.</td> </tr> </table>											PERKINS+WILL <small>The Wrigley Building 410 North Michigan Ave. Suite 1600 Chicago, IL 60611 t 312.755.0770 f 312.755.0775 www.perkinswill.com</small>	 CHICAGO DEPARTMENT OF TRANSPORTATION	154 N DAMEN AVE - DAMEN GREEN LINE STATION															SPEC. NO.	MESSAGE SCHEDULE LEVEL 01															DRAWING NO. AG60-02	DIVISION OF ENGINEERING										CDOT PROJECT D-7-135		DATE: 01/27/2020			REVISION NO.
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Perkins+Will
 Damen Green Line
 Issue 002 – 11.01.2019
 Scope— Level 1

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
BT	Braille Sign	L1	039			(ELEVATOR UP TO ASHLAND/63 RD , COTTAGE GROVE AND HARLEM)[BRAILLE]	17"x4"	BT-CM	n/a	Etched Zinc
P-27	ADA Elevator Sign	L1	040	OP-2669		[Accessible Icon](Elevator)	12"x18"	B	n/a	Porcelain
P-11	Authorized Personnel Only	L1	041			(Authorized Personnel Only)	4"x12"	X	n/a	Fiberglass
P-11	Authorized Personnel Only	L1	042			(Authorized Personnel Only)	4"x12"	X	n/a	Fiberglass
P-41L	Bike Signs	L1	043	OP-8255		(Lock Bikes only to bike rack)[Bike Icon]	12"x18"	B	n/a	Fiberglass
P-41W	Bike Sign Warning	L1	045	OP-8871		(WARNING)(Lock Bikes only to bike rack)[Bike warning Icon]	12"x18"	B	n/a	Fiberglass
P-3	Train Destination Message	L1	046	OP-7516	A	[Left Arrow][Train Icon] (Trains)	24"x6"	Sign Box	n/a	Fiberglass
P-20-6	Stop No Entry	L1	047	OP-8450		[No Entry Icon](Stop! No entry)[No Entry Icon]	60"x16"	Kramden P-20 frame	n/a	Fiberglass
BT	Braille Sign	L1	048			(EXIT ONLY)(MAIN ENTRANCE ½ BLK EAST AT DAMEN)[BRAILLE]	17"x4"	BT-A	n/a	Etched Zinc
P-33	Stair Riser	L1	049	OP-10108		[No Entry Icon](Stop! No entry)[No Entry Icon]	36"x4"	U	n/a	Fiberglass
P-33	Stair Riser	L1	050			[No Entry Icon](Stop! No entry)[No Entry Icon]	36"x4"	U	n/a	Fiberglass
P-33	Stair Riser	L1	051	OP-		[No Entry Icon](Stop! No entry)[No Entry Icon]	36"x4"	U	n/a	Fiberglass
P-20-6	Stop No Entry	L1	052	OP-		[No Entry Icon](Stop! No entry)[No Entry Icon]	60"x16"	Kramden P-20 frame	n/a	Fiberglass
BT	Braille Sign	L1	053			(EXIT ONLY)(MAIN ENTRANCE ½ BLK EAST AT DAMEN)[BRAILLE]	17"x4"	BT-A	n/a	Etched Zinc
P-33	Stair Riser	L1	054			[No Entry Icon](Stop! No entry)[No Entry Icon]	36"x4"	U	n/a	Fiberglass
P-33	Stair Riser	L1	055			[No Entry Icon](Stop! No entry)[No Entry Icon]	36"x4"	U	n/a	Fiberglass
P-33	Stair Riser	L1	056			[No Entry Icon](Stop! No entry)[No Entry Icon]	36"x4"	U	n/a	Fiberglass
P-20-6	Stop No Entry	L1	057			[No Entry Icon](Stop! No entry)[No Entry Icon]	60"x16"	Kramden P-20 frame	n/a	Fiberglass
BT	Braille Sign	L1	058			(EXIT ONLY)(MAIN ENTRANCE ½ BLK WEST AT DAMEN)[BRAILLE]	17"x4"	BT-A		Etched Zinc
P-33	Stair Riser	L1	059			[No Entry Icon](Stop! No entry)[No Entry Icon]	36"x4"	U	n/a	Fiberglass

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

DESIGN BY:										
DRAWN BY:										
CHECKED BY:										
APPROVED BY:		01/27/2020	ISSUE FOR BID	MT	AB	JH				
CDOT/APPROVED BY:	NO.	DATE	REVISIONS	DES.	DRW.	CHK.	DCCO	CDOT		

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 410 North Michigan Ave.
 Suite 1600
 Chicago, IL 60611
 t 312.755.0770
 f 312.755.0775
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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

MESSAGE SCHEDULE LEVEL 01

CDOT PROJECT D-7-135

DATE: 01/27/2020

SPEC. NO.

DRAWING NO.
AG60-03

REVISION NO.

Perkins+Will
 Damen Green Line
 Issue 002 – 11.01.2019
 Scope— Level 1

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
P-33	Stair Riser	L1	060			[No Entry Icon](Stop! No entry)[No Entry Icon]	36"x4"	U	n/a	Fiberglass
P-33	Stair Riser	L1	061			[No Entry Icon](Stop! No entry)[No Entry Icon]	36"x4"	U	n/a	Fiberglass
P-20-6	Stop No Entry	L1	062			[No Entry Icon](Stop! No entry)[No Entry Icon]	60"x16"	Kramden P-20 frame	n/a	Fiberglass
BT	Braille Sign	L1	063			(EXIT ONLY)(MAIN ENTRANCE ½ BLK WEST AT DAMEN)[BRAILLE]	17"x4"	BT-A		Etched Zinc
P-33	Stair Riser	L1	064			[No Entry Icon](Stop! No entry)[No Entry Icon]	36"x4"	U	n/a	Fiberglass
P-33	Stair Riser	L1	065			[No Entry Icon](Stop! No entry)[No Entry Icon]	36"x4"	U	n/a	Fiberglass
P-33	Stair Riser	L1	066			[No Entry Icon](Stop! No entry)[No Entry Icon]	36"x4"	U	n/a	Fiberglass
P-11	Authorized Personnel Only	L1	067			(Authorized Personnel Only)	4"x12"	X	n/a	Fiberglass
P-11	Authorized Personnel Only	L1	067.1			(Authorized Personnel Only)	4"x12"	X	n/a	Fiberglass
P-11	Authorized Personnel Only	L1	068			(Authorized Personnel Only)	4"x12"	X	n/a	Fiberglass
P-11	Authorized Personnel Only	L1	069			(Authorized Personnel Only)	4"x12"	X	n/a	Fiberglass
P-54		L1	070		A	[Elevator Icon] (Elevator)				
					B	[Up Arrow](Out)				
P-16	Emergency Exit	L1	071	TBD		(Emergency Exit Only)	28"x12"	L	n/a	Fiberglass
P-16	Emergency Exit	L1	071.1	TBD		(Emergency Exit Only)	28"x12"	L	n/a	Fiberglass
P-16	Emergency Exit	L1	072	TBD		(Emergency Exit Only)	28"x12"	L	n/a	Fiberglass
P-16	Emergency Exit	L1	072.1	TBD		(Emergency Exit Only)	28"x12"	L	n/a	Fiberglass
P-11	Authorized Personnel Only	L1	073			(Authorized Personnel Only)	4"x12"	X	n/a	Fiberglass
P-11	Authorized Personnel Only	L1	074			(Authorized Personnel Only)	4"x12"	X	n/a	Fiberglass

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

DESIGN BY:										PERKINS+WILL		 CHICAGO DEPARTMENT OF TRANSPORTATION		154 N DAMEN AVE - DAMEN GREEN LINE STATION			SPEC. NO.	
DRAWN BY:										The Wrigley Building 410 North Michigan Ave. Suite 1600 Chicago, IL 60611 t 312.755.0770 f 312.755.0775 www.perkinswill.com		DIVISION OF ENGINEERING		MESSAGE SCHEDULE LEVEL 01			DRAWING NO. AG60-04	
CHECKED BY:														CDOT PROJECT D-7-135			DATE: 01/27/2020	REVISION NO.
APPROVED BY:		01/27/2020	ISSUE FOR BID	MT	AB	JH												
CDOT/APPROVED BY:		NO.	DATE	REVISIONS			DES.	DRW.	CHK.	DCCO	CDOT							

Perkins+Will
Damen Green Line
Issue 002 – 01.11.2019
Scope— Level 2

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
BT	Braille Sign	L2	001			(ELEVATOR UP TO HARLEM AND DOWN TO STREET)[BRAILLE]	17"x4"	BT-CA	n/a	Etched Zinc
P-27	ADA Elevator Sign	L2	002			[Accessible Icon](Elevator)	12"x18"	B	n/a	Porcelain
P-74h	Directional Map Sign Top	L2	003	TBD		[Up Right Arrow](Harlem)	24"x6"	H	n/a	Porcelain
P-74	Directional Map Sign	L2	004	TBD		[Harlem Directional Map Artwork]	24"x48"	R	n/a	Porcelain
BT	Braille Sign	L2	006			(STAIRS DOWN TO STREET AND BUSES)[BRAILLE]	17"x4"	BT-CA	n/a	Etched Zinc
BT	Braille Sign	L2	007			(ESCALATOR DOWN TO ASHLAND/63 RD , COTTAGE GROVE AND HARLEM)[BRAILLE]	17"x4"	BT-CA	n/a	Etched Zinc
BT	Braille Sign	L2	008			(STAIRS UP TO HARLEM)[BRAILLE]	17"x4"	BT-CA	n/a	Etched Zinc
P-74	Directional Map Sign	L2	011	TBD		[Cottage Grove, Ashland/63 rd Directional Map Artwork]	24"x48"	R	n/a	Porcelain
P-74h	Directional Map Sign Top	L2	012	TBD		[Left Arrow](Cottage Grove)(Ashland/63 rd)	24"x12"	H	n/a	Porcelain
P-50var	Mezzanine Directional Sign	L2	021	TBD		[Up Arrow](Ashland/63 rd)	120"x18"	TBD	n/a	TBD
P-50var	Mezzanine Directional Sign	L2	022	TBD		[Up Arrow](Cottage Grove)	120"x18"	TBD	n/a	TBD
BT	Braille Sign	L2	023			CTA TO PROVIDE	CTA TO PROVIDE	CTA TO PROVIDE	n/a	Etched Zinc
P-33	Stair Riser	L2	024	OP-10107		Harlem	36"x4"	U	n/a	Fiberglass
P-33	Stair Riser	L2	024.1	OP-10107		Harlem	36"x4"	U	n/a	Fiberglass
P-33	Stair Riser	L2	025	OP-10107		Harlem	36"x4"	U	n/a	Fiberglass
P-33	Stair Riser	L2	025.1	OP-10107		Harlem	36"x4"	U	n/a	Fiberglass
P-33	Stair Riser	L2	026	OP-10104		Ashland/63 rd /Cottage Grove	36"x4"	U	n/a	Fiberglass
P-33	Stair Riser	L2	027	OP-10104		Ashland/63 rd /Cottage Grove	36"x4"	U	n/a	Fiberglass
P-11	Authorized Personnel Only	L2	028			(Authorized Personnel Only)	4"x12"	X	n/a	Fiberglass
BT	Braille Sign	L2	029			(STAIRS UP TO ASHLAND/63 RD /COTTAGE GROVE)[BRAILLE]	17"x4"	BT-CA	n/a	Etched Zinc

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 01.11.2019

DESIGN BY: DRAWN BY: CHECKED BY: APPROVED BY: CDOT/APPROVED BY: NO. DATE REVISIONS DES. DRW. CHK. DCCO CDOT

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PERKINS+WILL
The Wrigley Building
410 North Michigan Ave.
Suite 1600
Chicago, IL 60611
t 312.755.0770
f 312.755.0775
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CHICAGO DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

MESSAGE SCHEDULE LEVEL 02

CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO. DRAWING NO. **AG60-05** REVISION NO.

Perkins+Will
 Damen Green Line
 Issue 002 - 01.11.2019
 Scope - Level 2

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
P-11	Authorized Personnel Only	L2	030			(Authorized Personnel Only)	4"x12"	X	n/a	Fiberglass
P-2	No Loitering	L2	031			[No Loitering Permitted Artwork]	7.375"x12"	W	n/a	Porcelain
P-4	No Smoking	L2	032	OP-10077		[No Smoking Icon](No Smoking)(Violators Subject to Fine)	7.375"x12"	W	n/a	Porcelain
P-43	Surveillance Sign	L2	033			[Surveillance camera icon](Surveillance cameras on premises)	7.375"x12"	W	n/a	Porcelain
P-14	Hold on to your Children	L2	033.1	OP-7362		(Hold on to your children)(Hold on to Children Icon)	7.375"x12"	Mounted to glass with backer plate	n/a	Porcelain
P-27	ADA Elevator Sign	L2	034			[Accessible Icon](Elevator)	12"x18"	B	n/a	Porcelain
BT	Braille Sign	L2	035			(ELEVATOR UP TO ASHLAND/63 RD /COTTAGE GROVE)[BRAILLE]	17"x4"	BT-CA	n/a	Etched Zinc
CACS	Customer Assistance Call Station	L2	036			(PUSH FOR CUSTOMER ASSISTANT)[BRAILLE]	5.65"V5.65"	MW	n/a	Etched Zinc

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 01.11.2019

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 410 North Michigan Ave.
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 Chicago, IL 60611
 t 312.755.0770
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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

MESSAGE SCHEDULE LEVEL 02

CDOT PROJECT D-7-135

DATE: 01/27/2020

SPEC. NO.

DRAWING NO.
AG60-06

REVISION NO.

Perkins+Will
 Damen Green Line
 Issue 002 – 06.14.2019
 Scope— Level 3

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
BT	Braille Sign	L3	003			(STAIRS DOWN TO ASHLAND/63 RD AND COTTAGE GROVE)[BRAILLE]	17"x4"	BT-CA	n/a	Etched Zinc
P-11	Authorized Personnel Only	L3	004			(Authorized Personnel Only)	4"x12"	X	n/a	Fiberglass
P-2	No Loitering	L3	005			[No Loitering Permitted Artwork]	7.375"x12"	Mounted to glass with backer plate	n/a	Porcelain
P-14	Hold on to your Children	L3	005.1	OP-7362		(Hold on to your children)[Hold on to Children Icon]	7.375"x12"	Mounted to glass with backer plate	n/a	Porcelain
P-4	No Smoking	L3	006			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	7.375"x12"	Mounted to glass with backer plate	n/a	Porcelain
P-43	Surveillance Sign	L3	007			[Surveillance camera icon](Surveillance cameras on premises)	7.375"x12"	Mounted to glass with backer plate	n/a	Porcelain
P-27	ADA Elevator Sign	L3	008			[Accessible Icon](Elevator)	12"x18"	B	n/a	Porcelain
BT	Braille Sign	L3	009			(ELEVATOR DOWN TO ASHLAND/63 RD , COTTAGE GROVE AND DOWN TO STREET)[BRAILLE]	17"x4"	BT-CA	n/a	Etched Zinc
P-53var	Stair Path to Platform	L3	011	TBD		[Up Arrow](Elevator)(Ashland/63 rd , Cottage Grove)[Down Right Arrow]	5'10.25"x19"	TBD	n/a	TBD
P-53var	Stair Path to Platform	L3	012	TBD		[Down Left Arrow](Harlem)(Elevator)[Right Arrow]	6'2"x10"	TBD	n/a	TBD
BT	Braille Sign	L3	013			(ELEVATOR DOWN TO HARLEM)[BRAILLE]	17"x4"	BT-CA	n/a	Etched Zinc
P-27	ADA Elevator Sign	L3	014			[Accessible Icon](Elevator)	12"x18"	B	n/a	Porcelain
P-43	Surveillance Sign	L3	015			[Surveillance camera icon](Surveillance cameras on premises)	7.375"x12"	Mounted to glass with backer plate	n/a	Porcelain
P-14	Hold on to your Children	L3	015.1	OP-7362		(Hold on to your children)[Hold on to Children Icon]	7.375"x12"	Mounted to glass with backer plate	n/a	Porcelain
P-2	No Loitering	L3	016			[No Loitering Permitted Artwork]	7.375"x12"	Mounted to glass with backer plate	n/a	Porcelain

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

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 The Wrigley Building
 410 North Michigan Ave.
 Suite 1600
 Chicago, IL 60611
 t 312.755.0770
 f 312.755.0775
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
MESSAGE SCHEDULE LEVEL 03
 CDOT PROJECT D-7-135 DATE: 01/27/2020

SPEC. NO.
 DRAWING NO. **AG60-07**
 REVISION NO.

Perkins+Will
 Damen Green Line
 Issue 002 - 06.14.2019
 Scope - Level 3

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
P-4	No Smoking	L3	017			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	7.375"x12"	Mounted to glass with backer plate	n/a	Porcelain
BT	Braille Sign	L3	018			(STAIRS TO DOWN HARLEM)[BRAILLE]	17"x4"	BT-CA	n/a	Etched Zinc
P-53var	Stair Path to Platform	L3	019	TBD		[Up Left Arrow](Harlem)	21'3"x24"	TBD	n/a	TBD
P-46var	Exit Path Information	L3	020	TBD		[Down Left Arrow][Bus Icon](Out to buses)	10'2"x24"	TBD	n/a	TBD
P-53var	Stair Path to Platform	L3	021	TBD		(Harlem)[Up Right Arrow]	21'3"x24"	TBD	n/a	TBD

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

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 410 North Michigan Ave.
 Suite 1600
 Chicago, IL 60611
 t 312.755.0770
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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

MESSAGE SCHEDULE LEVEL 03

CDOT PROJECT D-7-135

DATE: 01/27/2020

SPEC. NO.

DRAWING NO.
AG60-08

REVISION NO.

Perkins+Will
 Damen Green Line
 Issue 003 -11.01.2019
 Scope— Platform East

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
E-22	Illuminated Signage	PE	001	OP-9119	A	[Accessible Icon](Elevator)	25.5"x15"	Sign Box	Yes	Fiberglass
				OP-9120	B	[Accessible Icon](Elevator)				
P-8	Station Symbol	PE	002	CTA TO PROVIDE		(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
SPS	Suicide Prevention Sign	PE	003	OP-12017-R1		[Suicide Prevention Artwork]	7.375"x12"	W	n/a	Fiberglass
P-7	Danger-Keep Off Tracks	PE	004	OP-6690-R2		[Do Not Walk Icon](Danger-Keep Off Tracks High Voltage)[High Voltage Icon]	84"x12"	GA	n/a	Fiberglass
P-9	Station Name	PE	005			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
P-9T	Station Name Tab	PE	006	OP-9988		[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PE	006.1	OP-9988		[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
P-8	Station Symbol	PE	007			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-4	No Smoking	PE	008			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PE	009			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-9	Station Name	PE	010			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
P-9T	Station Name Tab	PE	011	OP-9988		[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PE	011.1	OP-9988		[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
P-8	Station Symbol	PE	012			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-4	No Smoking	PE	013			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PE	014			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-10	Board Here	PE	015	TBD	A	(Ashland/63rd)(Cottage Grove)(Board here)	28"x12"	L	n/a	Fiberglass
				TBD	B	(Ashland/63rd)(Cottage Grove)(Board here)				
P-7	Danger-Keep Off Tracks	PE	016			[Do Not Walk Icon](Danger-Keep Off Tracks High Voltage)[High Voltage Icon]	84"x12"	GA	n/a	Fiberglass
P-9	Station Name	PE	017		A	(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
					B	(Damen)(200N 2000W)				

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

DESIGN BY:																					
DRAWN BY:																					
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The Wrigley Building
 410 North Michigan Ave.
 Suite 1600
 Chicago, IL 60611
 t 312.755.0770
 f 312.755.0775
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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

MESSAGE SCHEDULE PLATFORM EAST

CDOT PROJECT D-7-135

DATE: 01/27/2020

SPEC. NO.

DRAWING NO.

AG60-09

REVISION NO.

Perkins+Will
 Damen Green Line
 Issue 003 -11.01.2019
 Scope— Platform East

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
P-9T	Station Name Tab	PE	018	OP-9988	A	[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
				OP-9988	B	[SOLID GREEN TAB]				
P-9T	Station Name Tab	PE	018.1	OP-9988	A	[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
				OP-9988	B	[SOLID GREEN TAB]				
E-34	CTA Icons	PE	019	n/a		[Bus Icon]	16"x16"	n/a	Yes	CTA TO PROVIDE
E-33	CTA Logo	PE	020	n/a		[CTA Logo]	48" DIA	n/a	Yes	CTA TO PROVIDE
E-34	CTA Icons	PE	021	n/a		[Train Icon]	16"x16"	n/a	Yes	CTA TO PROVIDE
P-8	Station Symbol	PE	022			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-4	No Smoking	PE	023			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-47var	Exit Path Information	PE	024	TBD		TBD	96"x12"	CA	n/a	Fiberglass
P-8	Station Symbol	PE	025			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-9	Station Name	PE	026		A	(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
					B	(Damen)(200N 2000W)				
P-9T	Station Name Tab	PE	027	OP-9988	A	[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
				OP-9988	B	[SOLID GREEN TAB]				
P-9T	Station Name Tab	PE	027.1	OP-9988	A	[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
				OP-9988	B	[SOLID GREEN TAB]				
P-4	No Smoking	PE	028			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PE	029			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-8	Station Symbol	PE	030			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-9	Station Name	PE	031			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

DESIGN BY:										
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PERKINS+WILL

The Wrigley Building
 410 North Michigan Ave.
 Suite 1600
 Chicago, IL 60611
 t 312.755.0770
 f 312.755.0775
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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

MESSAGE SCHEDULE PLATFORM EAST

CDOT PROJECT D-7-135

DATE: 01/27/2020

SPEC. NO.

DRAWING NO.
AG60-10

REVISION NO.

Perkins+Will
 Damen Green Line
 Issue 003 -11.01.2019
 Scope— Platform East

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
P-9T	Station Name Tab	PE	032	OP-9988	A	[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PE	032.1	OP-9988	A	[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
P-8	Station Symbol	PE	033			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-4	No Smoking	PE	034			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
E-22	Illuminated Signage	PE	035	TBD	A	TBD	25.5"x15"	Sign Face	Yes	Fiberglass
				TBD	B	TBD				
P-8	Station Symbol	PE	036			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-7	Danger-Keep Off Tracks	PE	037			[Do Not Walk Icon](Danger-Keep Off Tracks High Voltage)[High Voltage Icon]	84"x12"	GA	n/a	Fiberglass
P-67	Narrow Exit Sign	PE	038	TBD		TBD	18"x24"	EA	n/a	Fiberglass
CACS	Customer Assistance Call Station	PE	039			(PUSH FOR CUSTOMER ASSISTANT)[BRAILLE]	5.65"x5.65"	CACS	YES	Etched Zinc
BT	Braille Sign	PE	040			CTA TO PROVIDE	17"x4"	CTA TO PROVIDE		Etched Zinc
BT	Braille Sign	PE	041			CTA TO PROVIDE	17"x4"	CTA TO PROVIDE		Etched Zinc
P-16	Emergency Exit	PE	042			CTA TO PROVIDE	28"x12"	L	n/a	Fiberglass
P-16	Emergency Exit	PE	042.1			CTA TO PROVIDE	28"x12"	L	n/a	Fiberglass
P-8	Station Symbol	PE	043			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-4	No Smoking	PE	044			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-5	No One Permitted	PE	045	SOP-6015		(Danger)[Do Not Walk Icon](No one permitted on tracks except employees on duty)	6"x15"	T	n/a	Fiberglass
P-5	No One Permitted	PE	046	CTA TO PROVIDE		(Danger)[Do Not Walk Icon](No one permitted on tracks except employees on duty)	6"x15"	T	n/a	Fiberglass
P-8	Station Symbol	PE	047			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-4	No Smoking	PE	048			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-16	Emergency Exit	PE	049	OP-10132		[Left Arrow](Exit through turnstile only)	28"x12"	L	n/a	Fiberglass

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

DESIGN BY:										
DRAWN BY:										
CHECKED BY:										
APPROVED BY:		01/27/2020	ISSUE FOR BID	MT	AB	JH				
CDOT/APPROVED BY:	NO.	DATE	REVISIONS	DES.	DRW.	CHK.	DCCO	CDOT		

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The Wrigley Building
 410 North Michigan Ave.
 Suite 1600
 Chicago, IL 60611
 t 312.755.0770
 f 312.755.0775
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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

MESSAGE SCHEDULE PLATFORM EAST

CDOT PROJECT D-7-135

DATE: 01/27/2020

SPEC. NO.

DRAWING NO.
AG60-11

REVISION NO.

Perkins+Will
 Damen Green Line
 Issue 003 -11.01.2019
 Scope— Platform East

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
P-16	Emergency Exit	PE	050			CTA TO PROVIDE	28"x12"	L	n/a	Fiberglass
BT	Braille Sign	PE	051			CTA TO PROVIDE	17"x4"	CTA TO PROVIDE		
CACS	Customer Assistance Call Station	PE	052			(PUSH FOR CUSTOMER ASSISTANT)[BRAILLE]	5.65"x5.65"	CACS	YES	Etched Zinc
P-67	Narrow Exit Sign	PE	053			CTA TO PROVIDE	18"x24"	EA	n/a	CTA TO PROVIDE
P-8	Station Symbol	PE	054			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
E-22	Illuminated Signage	PE	055	TBD	A	(Out)	25.5"x15"	Sign Face	Yes	Fiberglass
				TBD	B	(Out)				
P-7	Danger-Keep Off Tracks	PE	056			[Do Not Walk Icon](Danger-Keep Off Tracks High Voltage)[High Voltage Icon]	84"x12"	GA	n/a	Fiberglass
P-4	No Smoking	PE	057			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PE	058			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-9	Station Name	PE	059			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
P-9T	Station Name Tab	PE	060	OP-9988		[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PE	060.1	OP-9988		[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
P-8	Station Symbol	PE	061			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-4	No Smoking	PE	062			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PE	063			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-9	Station Name	PE	064		A	(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
					B	(Damen)(200N 2000W)				
P-9T	Station Name Tab	PE	065	OP-9988	A	[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
				OP-9988	B	[SOLID GREEN TAB]				
P-9T	Station Name Tab	PE	065.1	OP-9988	A	[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

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 410 North Michigan Ave.
 Suite 1600
 Chicago, IL 60611
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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

MESSAGE SCHEDULE PLATFORM EAST

CDOT PROJECT D-7-135

DATE: 01/27/2020

SPEC. NO.

DRAWING NO.
AG60-12

REVISION NO.

Perkins+Will
 Damen Green Line
 Issue 003 -11.01.2019
 Scope— Platform East

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
				OP-9988	B	[SOLID GREEN TAB]				
P-8	Station Symbol	PE	066			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-47var	Exit Path Information	PE	067	TBD		TBD	96"x12"	CA	n/a	Fiberglass
E-34	CTA Icons	PE	068			[Bus Icon]	16"x16"	CTA TO PROVIDE	Yes	CTA TO PROVIDE
E-33	CTA Logo	PE	069			[CTA Logo]	48" DIA	CTA TO PROVIDE	Yes	CTA TO PROVIDE
E-34	CTA Icons	PE	070			[Train Icon]	16"x16"	CTA TO PROVIDE	Yes	CTA TO PROVIDE
P-4	No Smoking	PE	071			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PE	072			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-9	Station Name	PE	073		A	(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
					B	(Damen)(200N 2000W)				
P-9T	Station Name Tab	PE	074	OP-9988	A	[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
					B	[SOLID GREEN TAB]				
P-9T	Station Name Tab	PE	074.1	OP-9988	A	[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
					B	[SOLID GREEN TAB]				
P-7	Danger-Keep Off Tracks	PE	075			[Do Not Walk Icon](Danger-Keep Off Tracks High Voltage)[High Voltage Icon]	84"x12"	GA	n/a	Fiberglass
P-8	Station Symbol	PE	076			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-4	No Smoking	PE	077			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PE	078			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-9	Station Name	PE	079			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
P-9T	Station Name Tab	PE	080	OP-9988	A	[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

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 410 North Michigan Ave.
 Suite 1600
 Chicago, IL 60611
 t 312.755.0770
 f 312.755.0775
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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

MESSAGE SCHEDULE PLATFORM EAST

CDOT PROJECT D-7-135

DATE: 01/27/2020

SPEC. NO.

DRAWING NO.
AG60-13

REVISION NO.

Perkins+Will
 Damen Green Line
 Issue 003 -11.01.2019
 Scope— Platform East

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
P-9T	Station Name Tab	PE	080.1	OP-9988	A	[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
SPS	Suicide Prevention Sign	PE	081			[Suicide Prevention Artwork]	7.375"x12"	W	n/a	Fiberglass
P-8	Station Symbol	PE	082			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
E-22	Illuminated Signage	PE	083	TBD	A	[Elevator Icon] Elevator	25.5"x15"	Sign Face	Yes	Fiberglass
				TBD	B	[Elevator Icon] Elevator				
P-27	ADA Elevator Sign		084			[Accessible Icon](Elevator)	12"x18"	B	n/a	Porcelain
BT	Braille Sign	PE	085			CTA TO PROVIDE	17"x4"	CTA TO PROVIDE		Etched Zinc
P-11	Authorized Personnel Only	PE	086			(Authorized Personnel Only)	4"x12"	X	n/a	Fiberglass
P-2	No Loitering	PE	087			[No Loitering Permitted Artwork]	7.375"x12"	W	n/a	Porcelain
P-4	No Smoking	PE	088			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	7.375"x12"	W	n/a	Fiberglass
P-15	Stay on Platform	PE	089			(Stay on platform)(Stay on Platform Icon)(Danger High Voltage Rails Moving Trains)	7.375"x12"	W	n/a	Fiberglass
P-43	Surveillance Sign	PE	090			[Surveillance camera icon](Surveillance cameras on premises)	7.375"x12"	W	n/a	Porcelain
P-17	Customer Alert Frame	PE	091			(Customer Alert)	27.5"x19.25"	n/a	n/a	Stainless Steel
P-17	Customer Alert Frame	PE	092			(Customer Alert)	27.5"x19.25"	n/a	n/a	Stainless Steel
P-4	No Smoking	PE	093			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PE	094			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-7	Danger-Keep Off Tracks	PE	095			[Do Not Walk Icon](Danger-Keep Off Tracks High Voltage)[High Voltage Icon]	84"x12"	GA	n/a	Fiberglass
P-39	Station Specific Timetable	PE	096			[CTA Station Specific Timetable Artwork]	27"x40"	Sign placed in 27x40 Alpina Frame	n/a	Digital Output
P-19	Rail Transit Map	PE	097			[CTA Rail Transit Map Icon]	27"x40"	Sign placed in 27x40 Alpina Frame	n/a	Digital Output
P-8	Station Symbol	PE	100			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

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CHECKED BY:										
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 Suite 1600
 Chicago, IL 60611
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 f 312.755.0775
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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

MESSAGE SCHEDULE PLATFORM EAST

CDOT PROJECT D-7-135

DATE: 01/27/2020

SPEC. NO.

DRAWING NO.
AG60-14

REVISION NO.

Perkins+Will
 Damen Green Line
 Issue 003 -11.01.2019
 Scope— Platform East

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
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P-10	Board Here	PE	101	TBD	A	(Harlem)(Board here)	28"x12"	L	n/a	Fiberglass
				TBD	B	(Harlem)(Board here)				
SPS	Suicide Prevention Sign	PE	102			[Suicide Prevention Artwork]	7.375"x12"	W	n/a	Fiberglass
BT	Braille Sign	PE	103			CTA TO PROVIDE	17"x4"	CTA TO PROVIDE		Etched Zinc
E-22	Illuminated Signage	PE	104	TBD	A	CTA TO PROVIDE	25.5"x15"	Sign Face	Yes	Fiberglass
				TBD	B	CTA TO PROVIDE				
P-4	No Smoking	PE	105			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PE	106			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-9	Station Name	PE	107			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
P-9T	Station Name Tab	PE	108	OP-9988	A	[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PE	108.1	OP-9988	A	[SOLID GREEN TAB]	24"x18"	EA	n/a	Fiberglass

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

DESIGN BY:												PERKINS+WILL		 <p>CDOT CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING</p>	154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.	
DRAWN BY:															MESSAGE SCHEDULE PLATFORM EAST		DRAWING NO. AG60-15	
CHECKED BY:																		
APPROVED BY:		01/27/2020		ISSUE FOR BID		BS		AB		JH								
CDOT/ APPROVED BY:		NO.		DATE		REVISIONS		DES.		DRW.		CHK.		DCCO		CDOT		
														CDOT PROJECT D-7-135		DATE: 01/27/2020		REVISION NO.

Perkins+Will
Damen Green Line
Issue 002 - 11.01.2019
Scope - Platform West

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
P-8	Station Symbol	PW	001			(D)(Damen)(Ashland/63rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
SPS	Suicide Prevention Sign	PW	002			[Suicide Prevention Artwork]	7.375"x12"	W	n/a	Fiberglass
P-10	Board Here	PW	003	TBD	A	(Ashland/63rd)(Cottage Grove)(Board here)			n/a	Fiberglass
				TBD	B	(Ashland/63rd)(Cottage Grove)(Board here)				
P-4	No Smoking	PW	004			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PW	005			(D)(Damen)(Ashland/63rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-9T	Station Name Tab	PW	006	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PW	006.1	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9	Station Name	PW	007			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
P-8	Station Symbol	PW	009			(D)(Damen)(Ashland/63rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-4	No Smoking	PW	010			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PW	011			(D)(Damen)(Ashland/63rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-9T	Station Name Tab	PW	012	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PW	012.1	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9	Station Name	PW	013			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
P-8	Station Symbol	PW	014			(D)(Damen)(Ashland/63rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
BT	Braille Sign	PW	015			CTA TO PROVIDE	CTA TO PROVIDE	CTA TO PROVIDE	n/a	Etched Zinc
P-13	Heat Available	PW	015.1			(Heat available Nov. 1 to March 31)[Spanish Translation][Down Arrow]	2.25"x4.75"	D	n/a	Fiberglass
P-8	Station Symbol	PW	016			(D)(Damen)(Ashland/63rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-4	No Smoking	PW	017			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-9T	Station Name Tab	PW	018	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PW	018.1	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9	Station Name	PW	019			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

DESIGN BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:	CDOT/APPROVED BY:	NO.	DATE	ISSUE FOR BID	REVISIONS	DES.	DRW.	CHK.	DCCO	CDOT	<p>PERKINS+WILL The Wrigley Building 410 North Michigan Ave. Suite 1600 Chicago, IL 60611 t 312.755.0770 f 312.755.0775 www.perkinswill.com</p>		<p>CDOT CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING</p>		<p>154 N DAMEN AVE - DAMEN GREEN LINE STATION MESSAGE SCHEDULE PLATFORM WEST</p>		<p>SPEC. NO. DRAWING NO. AG60-16 REVISION NO.</p>	
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.																			

Perkins+Will
 Damen Green Line
 Issue 002 – 11.01.2019
 Scope— Platform West

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
P-7	Danger-Keep Off Tracks	PW	020			[Do Not Walk Icon](Danger-Keep Off Tracks High Voltage)[High Voltage Icon]	84"x12"	GA	n/a	Fiberglass
P-8	Station Symbol	PW	021			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-47	Exit Path Information	PW	022			(Out)[Left Arrow](STREET TBD STREET TBD)[Right Arrow]	96"x12"	LB	n/a	Fiberglass
P-4	No Smoking	PW	023			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PW	024			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-9	Station Name	PW	025			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
P-9T	Station Name Tab	PW	026	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PW	026.1	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-8	Station Symbol	PW	027			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-4	No Smoking	PW	028			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PW	029			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-9T	Station Name Tab	PW	030	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PW	030.1	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9	Station Name	PW	031			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
P-7	Danger-Keep Off Tracks	PW	032			[Do Not Walk Icon](Danger-Keep Off Tracks High Voltage)[High Voltage Icon]	84"x12"	GA	n/a	Fiberglass
P-8	Station Symbol	PW	033			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
E-22	Illuminated Signage	PW	034	TBD	A	(Out)	25.5"x15"	Sign Face	Yes	Fiberglass
				TBD	B	(Out)				
P-67	Narrow Exit Sign	PW	035			CTA TO PROVIDE	18"x24"	EA	n/a	CTA TO PROVIDE
CACS	Customer Assistance Call Station	PW	036			(PUSH FOR CUSTOMER ASSISTANT)[BRAILLE]	5.65"x5.65"	CACS	YES	Etched Zinc
BT	Braille Sign	PW	037			CTA TO PROVIDE	CTA TO PROVIDE	CTA TO PROVIDE	n/a	Etched Zinc

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

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 410 North Michigan Ave.
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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

MESSAGE SCHEDULE PLATFORM WEST

CDOT PROJECT D-7-135

DATE: 01/27/2020

SPEC. NO.



DRAWING NO.
AG60-17

REVISION NO.

Perkins+Will
 Damen Green Line
 Issue 002 - 11.01.2019
 Scope— Platform West

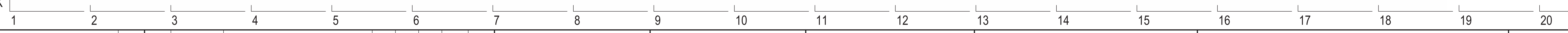
Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
BT	Braille Sign	PW	037.1			CTA TO PROVIDE	CTA TO PROVIDE	CTA TO PROVIDE	n/a	Etched Zinc
P-4	No Smoking	PW	038			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PW	039			(D)(Damen)(Ashland/63 rd)(Cottage Grove)	12"x18"	C	n/a	Fiberglass
P-16	Emergency Exit	PW	040			CTA TO PROVIDE	28"x12"	L	n/a	Fiberglass
P-16	Emergency Exit	PW	040.1			CTA TO PROVIDE	28"x12"	L	n/a	Fiberglass
P-5	No One Permitted	PE	041			(Danger)[Do Not Walk Icon](No one permitted on tracks except employees on duty)	6"x15"	T	n/a	Fiberglass
P-5	No One Permitted	PE	042			(Danger)[Do Not Walk Icon](No one permitted on tracks except employees on duty)	6"x15"	T	n/a	Fiberglass
P-16	Emergency Exit	PW	043			CTA TO PROVIDE	28"x12"	L	n/a	Fiberglass
P-16	Emergency Exit	PW	043.1			CTA TO PROVIDE	28"x12"	L	n/a	Fiberglass
P-4	No Smoking	PW	044			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PW	045			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
BT	Braille Sign	PW	046			CTA TO PROVIDE	CTA TO PROVIDE	CTA TO PROVIDE		Etched Zinc
P-67	P-67_Narrow Exit Sign	PW	047			CTA TO PROVIDE	18"x24"	EA	n/a	Fiberglass
BT	Braille Sign	PW	048			CTA TO PROVIDE				Etched Zinc
CACS	Customer Assistance Call Station	PW	049			(PUSH FOR CUSTOMER ASSISTANT)[BRAILLE]	5.65"x5.65"	CACS	YES	Etched Zinc
E-22	E-Illuminated Signage	PW	050	TBD	A	(Out)	25.5"x15"	Sign Face	Yes	Fiberglass
				TBD	B	(Out)				
P-8	Station Symbol	PW	051			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-9T	Station Name Tab	PW	052	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PW	052.1	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9	Station Name	PW	053			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

DESIGN BY:																						
DRAWN BY:																						
CHECKED BY:																						
APPROVED BY:			01/27/2020	ISSUE FOR BID		MT	AB	JH														
CDOT/APPROVED BY:		NO.	DATE	REVISIONS		DES.	DRW.	CHK.	DCCO	CDOT									154 N DAMEN AVE - DAMEN GREEN LINE STATION MESSAGE SCHEDULE PLATFORM WEST CDOT PROJECT D-7-135			SPEC. NO. DRAWING NO. AG60-18 REVISION NO.
																					DATE: 01/27/2020	

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
P-7	Danger-Keep Off Tracks	PW	054			[Do Not Walk Icon](Danger-Keep Off Tracks High Voltage)[High Voltage Icon]	84"x12"	GA	n/a	Fiberglass
P-4	No Smoking	PW	055			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PW	056			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-8	Station Symbol	PW	061			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-9T	Station Name Tab	PW	062	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PW	062.1	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9	Station Name	PW	063			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
P-8	Station Symbol	PW	065			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-4	No Smoking	PW	066			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-47	Exit Path Information	PW	067	TBD		(Out)[Left Arrow](STREET TBD STREET TBD)[Right Arrow]	96"x12"	CA	n/a	Fiberglass
P-8	Station Symbol	PW	068			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-9T	Station Name Tab	PW	069	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PW	069.1	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9	Station Name	PW	070			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
P-7	Danger-Keep Off Tracks	PW	072			[Do Not Walk Icon](Danger-Keep Off Tracks High Voltage)[High Voltage Icon]	84"x12"	GA	n/a	Fiberglass
P-10	10_Board Here	PW	069	TBD	A	(Harlem)(Board here)	28"x12"	L	n/a	Fiberglass
				TBD	B	(Harlem)(Board here)				
BT	Braille Sign	PW	073			CTA TO PROVIDE	CTA TO PROVIDE	CTA TO PROVIDE	n/a	Etched Zinc
P-8	Station Symbol	PW	074			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-4	No Smoking	PW	075			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-10	Board Here	PW	076	TBD	A	(Ashland/63 rd)(Cottage Grove)(Board Here)			n/a	Fiberglass
				TBD	B	(Ashland/63 rd)(Cottage Grove)(Board Here)				
P-8	Station Symbol	PW	077			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019



DESIGN BY:										PERKINS+WILL		CDOT		154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.		
DRAWN BY:										The Wrigley Building 410 North Michigan Ave. Suite 1600 Chicago, IL 60611 t 312.755.0770 f 312.755.0775 www.perkinswill.com		CHICAGO DEPARTMENT OF TRANSPORTATION		MESSAGE SCHEDULE PLATFORM WEST		DRAWING NO. AG60-19		
CHECKED BY:												DIVISION OF ENGINEERING		CDOT PROJECT D-7-135		DATE: 01/27/2020	REVISION NO.	
APPROVED BY:				01/27/2020		ISSUE FOR BID		MT AB JH										
CDOT/APPROVED BY:		NO.	DATE	REVISIONS		DES.	DRW.	CHK.	DCCO	CDOT								

Perkins+Will
 Damen Green Line
 Issue 002 - 11.01.2019
 Scope— Platform West

Sign Type	Sign Family	Location	Sign Number	Design Number	Side	Sign Message	Sign Size	Drilling Pattern	Power	Sign Material
P-9T	Station Name Tab	PW	078	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PW	078.1	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9	Station Name	PW	079			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
P-4	No Smoking	PW	081			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	12"x18"	W	n/a	Fiberglass
P-8	Station Symbol	PW	082			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-8	Station Symbol	PW	083			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-9T	Station Name Tab	PW	084	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9T	Station Name Tab	PW	084.1	OP-9988		[SOLID GREEN TAB]	24"x19"	EA	n/a	Fiberglass
P-9	Station Name	PW	085			(Damen)(200N 2000W)	96"x18"	JB	n/a	Fiberglass
P-8	Station Symbol	PW	088			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-8	Station Symbol	PW	089			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-8	Station Symbol	PW	090			(D)(Damen)(Harlem)	12"x18"	C	n/a	Fiberglass
P-4	No Smoking	PW	090.1			[No Smoking Icon](No Smoking)(Violators Subject to Fine)	7.375"x12"	W	n/a	Porcelain
P-39	Station Specific Timetable	PW	091			[CTA Station Specific Timetable Artwork]	27"x40"	Sign placed in 27x40 Alpina Frame	n/a	Digital Output
P-19	Rail Transit Map	PW	092			[CTA Rail Transit Map Icon]	27"x40"	Sign placed in 27x40 Alpina Frame	n/a	Digital Output
P-2	No Loitering	PW	093			[No Loitering Permitted Artwork]	7.375"x12"	W	n/a	Porcelain
P-17	Customer Alert Frame	PW	094			(Customer Alert)	27.5"x19.25"	n/a	n/a	Stainless Steel
P-15	Stay on Platform	PW	095			(Stay on platform)(Stay on Platform Icon)(Danger High Voltage Rails Moving Trains)	7.375"x12"	W	n/a	Porcelain
P-43	Surveillance Sign	PW	096			[Surveillance camera icon](Surveillance cameras on premises)	7.375"x12"	W	n/a	Porcelain
P-17	Customer Alert Frame	PW	097			(Customer Alert)	27.5"x19.25"	n/a	n/a	Stainless Steel

Damen Green Line - Sign Message Schedule | Perkins+Will 023031.000 | 11.01.2019

DESIGN BY:										
DRAWN BY:										
CHECKED BY:										
APPROVED BY:		01/27/2020	ISSUE FOR BID	MT	AB	JH				
CDOT/APPROVED BY:	NO.	DATE	REVISIONS	DES.	DRW.	CHK.	DCCO	CDOT		

PERKINS+WILL

The Wrigley Building
 410 North Michigan Ave.
 Suite 1600
 Chicago, IL 60611
 t 312.755.0770
 f 312.755.0775
 www.perkinswill.com



DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

MESSAGE SCHEDULE PLATFORM WEST

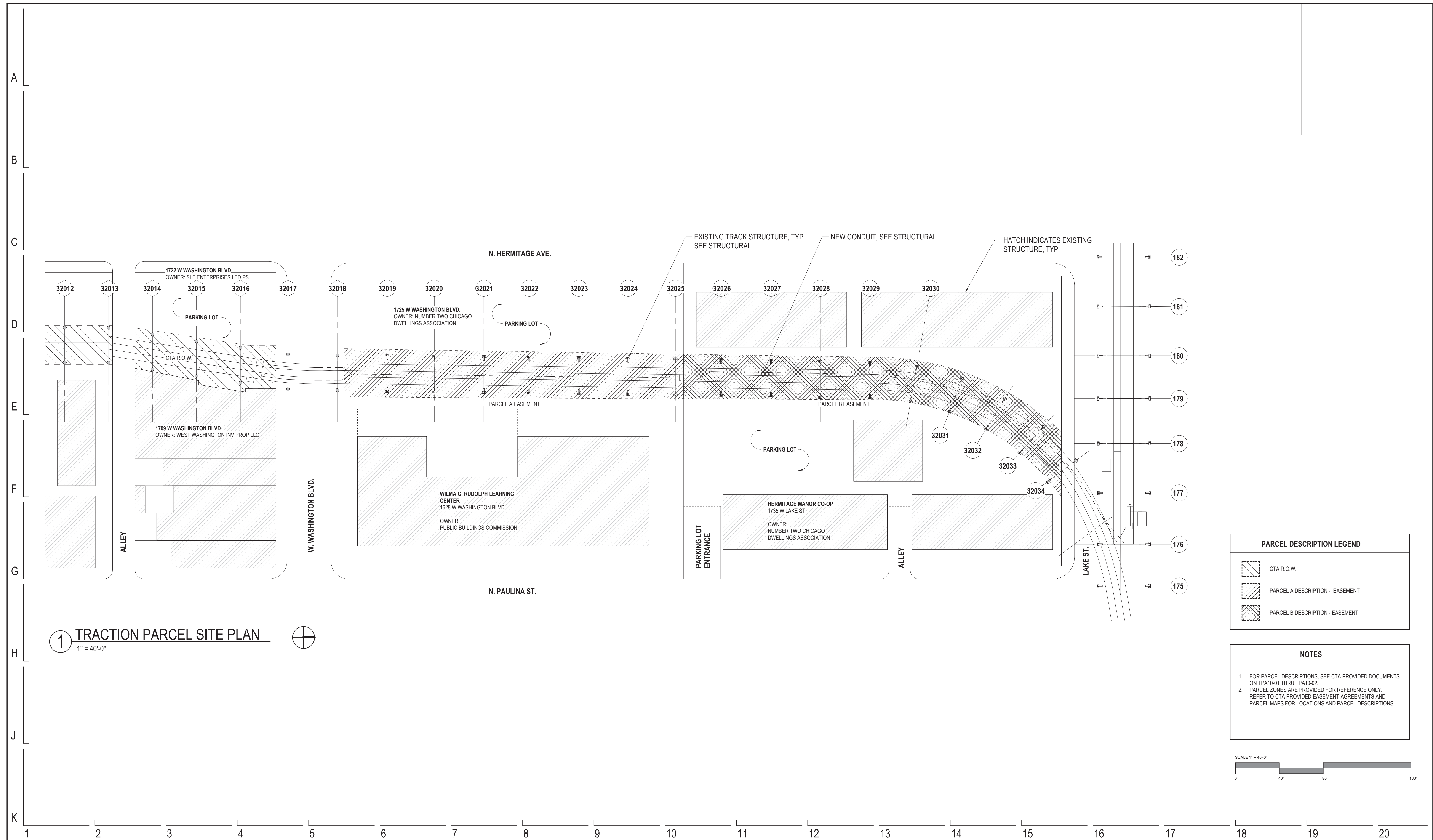
CDOT PROJECT D-7-135

DATE: 01/27/2020

SPEC. NO.

DRAWING NO.
AG60-20

REVISION NO.

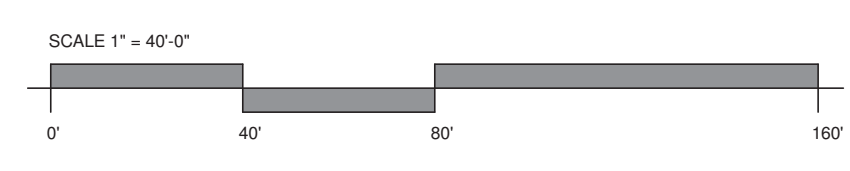


1 TRACTION PARCEL SITE PLAN
1" = 40'-0"



PARCEL DESCRIPTION LEGEND	
	CTA R.O.W.
	PARCEL A DESCRIPTION - EASEMENT
	PARCEL B DESCRIPTION - EASEMENT

NOTES
1. FOR PARCEL DESCRIPTIONS, SEE CTA-PROVIDED DOCUMENTS ON TPA10-01 THRU TPA10-02.
2. PARCEL ZONES ARE PROVIDED FOR REFERENCE ONLY. REFER TO CTA-PROVIDED EASEMENT AGREEMENTS AND PARCEL MAPS FOR LOCATIONS AND PARCEL DESCRIPTIONS.



DESIGN BY:									
DRAWN BY:									
CHECKED BY:									
APPROVED BY:		01/27/2020	ISSUE FOR BID	Designer	Author	Checker			
CDOT/APPROVED BY:	NO.	DATE	REVISIONS	DES.	DRW.	CHK.	DCCO	CDOT	

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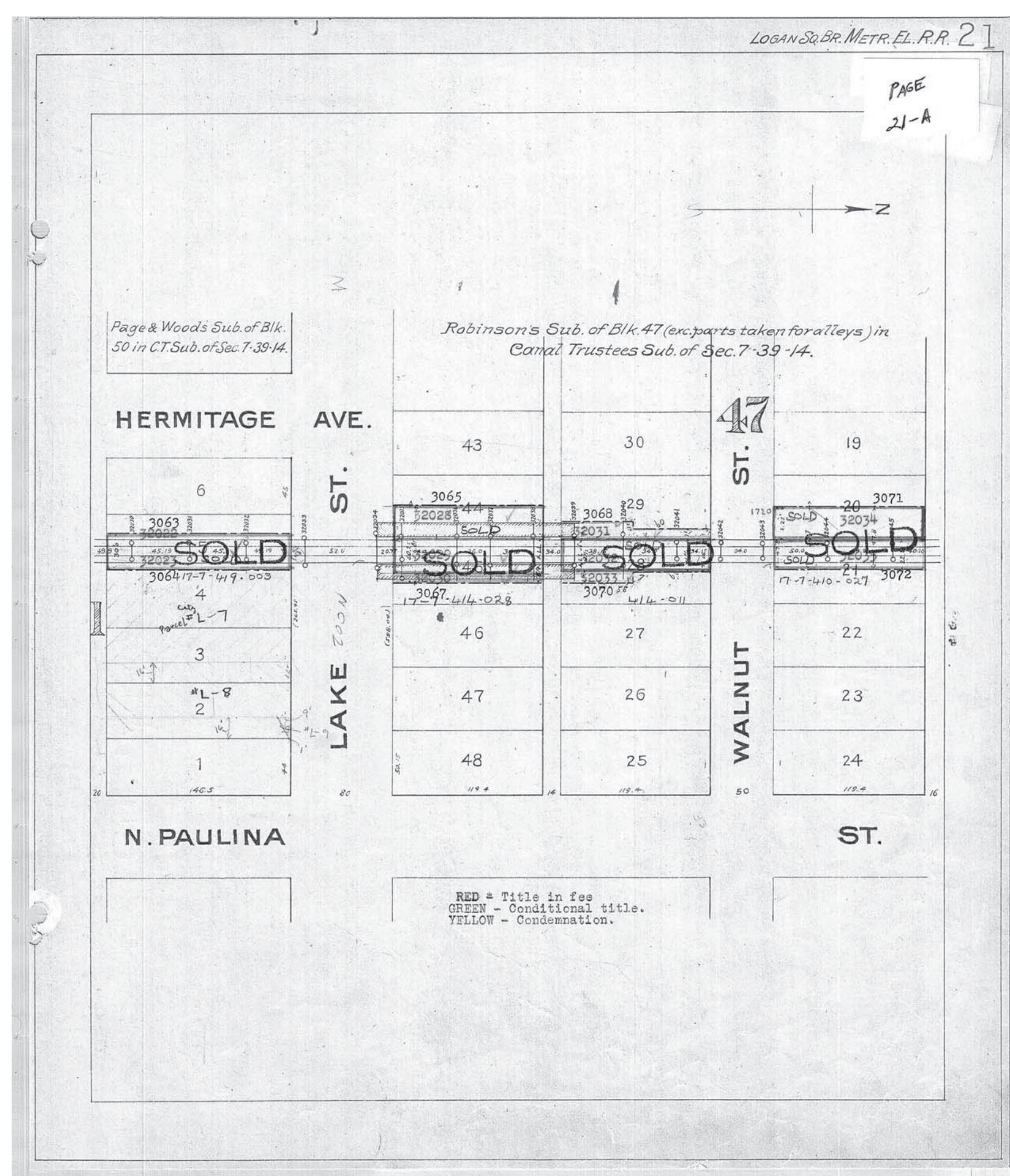
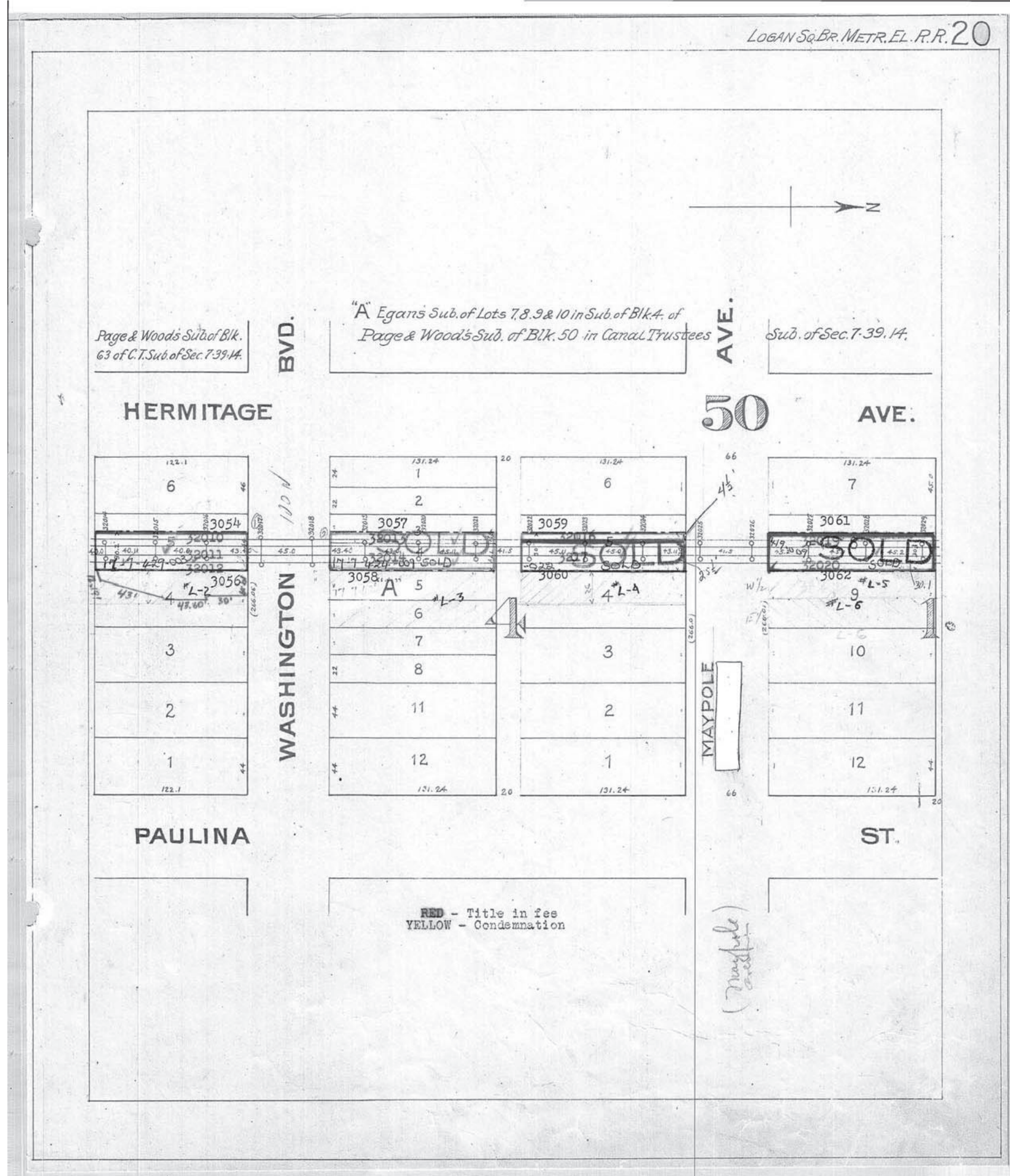
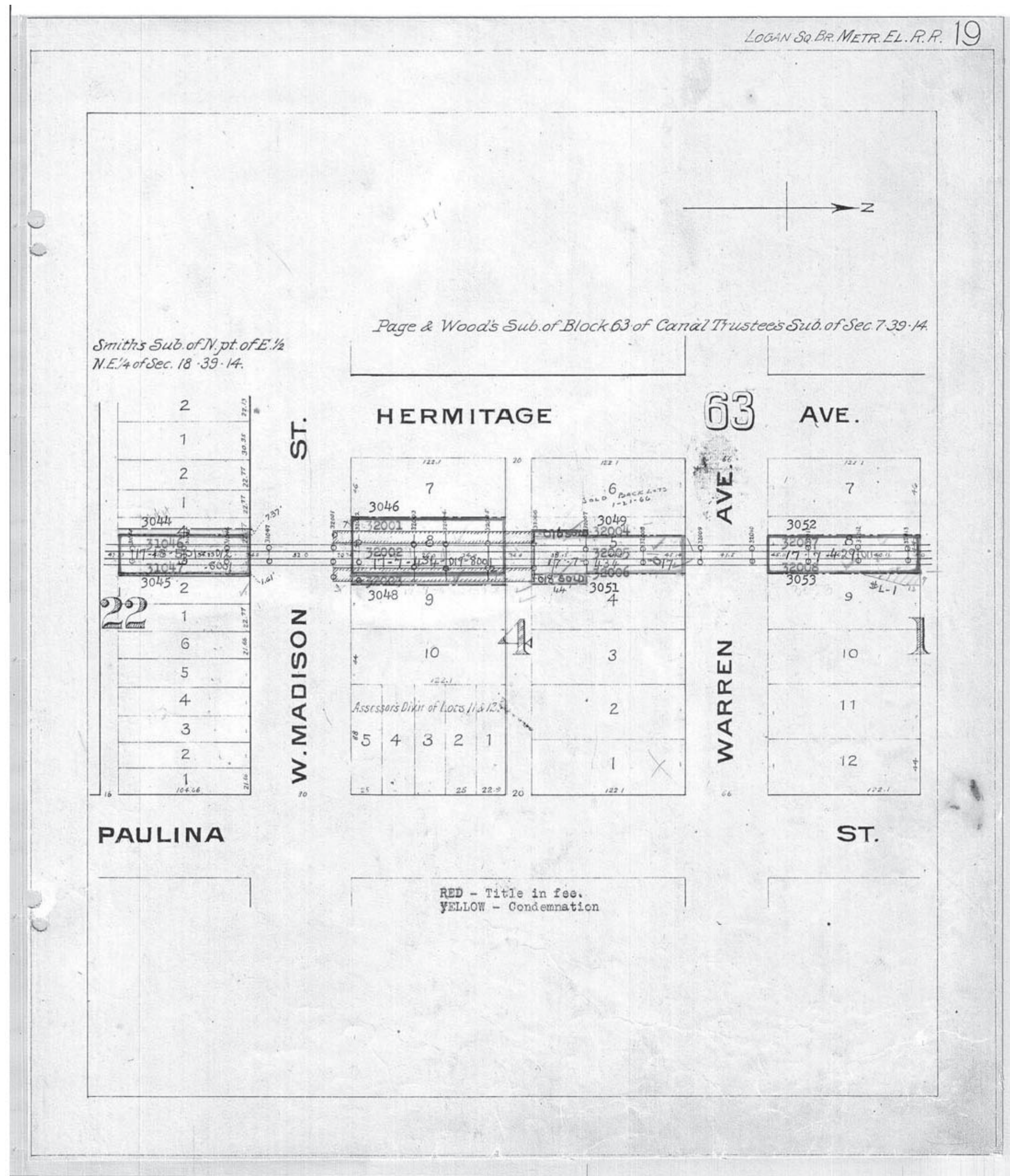
PERKINS+WILL
The Wrigley Building
410 North Michigan Ave.
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Chicago, IL 60611
t 312.755.0770
f 312.755.0775
www.perkinswill.com

CDOT
CHICAGO DEPARTMENT
OF TRANSPORTATION
DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION	SPEC. NO.
TRACTION POWER PARCEL PLAN	DRAWING NO. TPA10-00
CDOT PROJECT D-7-135	REVISION NO.

DATE: 01/27/2020

A
B
C
D
E
F
G
H
J
K



① CTA-PROVIDED PARCEL MAPS
NOT TO SCALE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

DESIGN BY:									
DRAWN BY:									
CHECKED BY:									
APPROVED BY:		01/27/2020	ISSUE FOR BID	Designer	Author	Checker			
CDOT/APPROVED BY:	NO.	DATE	REVISIONS	DES.	DRW.	CHK.	DCCO	CDOT	

PERKINS+WILL
The Wrigley Building
410 North Michigan Ave.
Suite 1600
Chicago, IL 60611
t 312.755.0770
f 312.755.0775
www.perkinswill.com

CDOT
CHICAGO DEPARTMENT
OF TRANSPORTATION
DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
PARCEL A&B DESCRIPTION		DRAWING NO. TPA10-01
CDOT PROJECT D-7-135	DATE: 01/27/2020	REVISION NO.

A
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MEMO

File Reference: PAULINA CONNECTION - EASEMENT AGREEMENT

To: FILE

From: MTW Date: 9/2/03 Date Needed: _____

Re: LAKE TO MAYPOLE; MAYPOLE TO WASHINGTON

as discussed as requested for your information

Please:

<input type="checkbox"/> approve	<input type="checkbox"/> reply and copy my office	Date of Receipt
<input type="checkbox"/> call me	<input type="checkbox"/> return to me	
<input type="checkbox"/> discuss	<input type="checkbox"/> review and comment	
<input type="checkbox"/> file	<input type="checkbox"/> see me	
<input type="checkbox"/> handle	<input type="checkbox"/> sign	
<input type="checkbox"/> prepare reply for my signature.		
<input type="checkbox"/> send <input type="checkbox"/> sent copies to:	<input type="checkbox"/> forward to:	

REAL ESTATE FILES FOR
EASEMENT AGREEMENTS
LOCATED IN TITLE FILE
RECORDS FOR LOGAN SQUARE
LINE.

Comments: _____

Response: _____

cta 7823 Rev. 07/89

OFFICIAL
SEAL
CHICAGO DEPARTMENT OF TRANSPORTATION

EASEMENT

FOR AND IN CONSIDERATION of the sum of ONE DOLLAR (\$1.00), and other valuable consideration, the receipt whereof is hereby acknowledged, the CITY OF CHICAGO, a body politic and corporate, organized and existing under, and by virtue of the laws of the State of Illinois (hereinafter called the "Grantor"), does hereby grant and convey unto the CHICAGO TRANSIT AUTHORITY, a municipal corporation, organized and existing under, and by virtue of the laws of the State of Illinois (hereinafter called the "Grantee"), and unto its successors and assigns, an Easement for the purpose of ingress and egress and the maintenance and operation of the elevated structure, and the operation of cars and trains thereon, in, through, over, under and along the following described real estate:

A parcel of land in that part of Sub-Lots 4, 5 and 6 in Egan's Subdivision of Lots 7, 8, 9 and 10 and Lots 4 and 5 all in Sub-Block 4 in Page and Wood's Subdivision of Block 50 in Canal Trustees' Subdivision of Section 7, Township 39 North, Range 14 East of the Third Principal Meridian, in Cook County, Illinois, together with part of vacated alley in said Sub-Block 4, described as follows:

Beginning at a point on the South line of vacated W. Maypole Avenue (North line of Lot 5 in said Sub-Block 4 in Page and Wood's Subdivision) a distance of 77.58 feet East of the East line of N. Hermitage Avenue; thence continuing along said South line, a distance of 45.30 feet to a point; thence South on a line 122.88 feet East of and parallel with the East line of N. Hermitage Avenue, a distance of 282.48 feet more or less to a point on the North line of W. Washington Boulevard (being the South line of aforesaid Sub-Lots 4, 5 and 6 in Egan's Subdivision of Lots 7, 8, 9 and 10 in Sub-Block 4); thence West along said North line 45.30 feet to a point; thence North on a line 45.30 feet West of and parallel with the last described course 282.48 feet more or less to the point of beginning.

It being the intention of the Grantor to convey to the Grantee, an Easement free and clear of all obstructions except the supports for the elevated structure and with good and sufficient space on each side of said structure for access by emergency and maintenance vehicles.

The Grantor, its successors and assigns reserves the right to traverse the Easement strip for pedestrian and vehicular traffic and to utilize that portion of said Easement strip not located under the elevated structure for vehicle parking and for any purpose not adverse or in interference of the Easement herein granted. The Grantee shall operate and maintain its facilities in such a manner as not to interfere with the rights reserved to the Grantor. In the event the Grantor or its successors or assigns landscapes and erects fencing abutting said area, the Grantee will restore said fencing and landscaping and surface area at

its own expense if it damages or disturbs the same in its maintenance repair or use of such easement.

The Grantor shall not occupy for vehicle parking purposes, any portion of the Easement area directly beneath the elevated structure. When, as and if, the Grantee, its successors and assigns shall cease to maintain the elevated structure and operate cars and trains thereon, and shall abandon said structure, all rights of the Grantee under said Easement shall terminate and the Grantee, at its own expense, shall remove said structure and appurtenant facilities.

The Grantee agrees to indemnify, save and keep harmless the Grantor, its agent, employees, successors and assigns from all liability, lien, judgment, cost, damage and expense of whatsoever kind and nature which, may in any way be suffered by the Grantor, or its agents, employees, successors or assigns by reason of, or in consequence of the operation of said Easement by the Grantee or for, or on account of any act or thing done or suffered, or omitted to be done, under the grant of this Easement by the Grantee.

No member of the governing body of the City of Chicago or the Department of Urban Renewal, and no other officer, employee or agent of the City who exercises any functions or responsibilities in connection with the carrying out of the Project to which this contract pertains, shall have any personal interest, direct or indirect, in this contract.

No member of, or delegate to the Congress of the United States, and no Resident Commissioner, shall be admitted to any share or part of this contract or to any benefit to arise herefrom.

IN WITNESS WHEREOF, the CITY OF CHICAGO has caused these presents to be executed in its name by the Mayor and its corporate seal to be hereunto affixed and attested by the City Clerk, and the CHICAGO TRANSIT AUTHORITY has caused these presents to be executed in its name by the Chairman, Chicago Transit Board, and its corporate seal to be hereunto affixed and attested by its Secretary, the 29 day of June, 1969.

CITY OF CHICAGO
By: Richard Daley
MAYOR

SEAL
ATTESIT
John E. Mannin
CITY CLERK

AUTHORIZED BY ORDINANCE NO. 69-92 OF CHICAGO TRANSIT BOARD

By: Richard Daley ASSISTANT SECRETARY

CHICAGO TRANSIT AUTHORITY
By: William D. Addonizio CHAIRMAN, CHICAGO TRANSIT BOARD

SEAL
ATTESIT
Harold C. Tamm ASSISTANT SECRETARY

APPROVED: William D. Addonizio Sup't. of Chief Engineer Engineering

APPROVED AS TO LEGAL FORM FOR CITY OF CHICAGO: Harold C. Tamm ASSISTANT CORPORATION COUNSEL

APPROVED AS TO LEGAL FORM FOR CHICAGO TRANSIT AUTHORITY: J.J. Maloney ATTORNEY

APPROVED: _____ DEPARTMENT OF URBAN RENEWAL
By: _____ COMMISSIONER

*Rec. as Doc. 20 894 841 July 9, 1969 (Orig. to Ass't. Sec. C. T. B.)

② PARCEL A DESCRIPTION
NOT TO SCALE

DESIGN BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:								PERKINS+WILL	 CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	154 N DAMEN AVE - DAMEN GREEN LINE STATION	SPEC. NO.
CDOT/APPROVED BY:	NO.	DATE	ISSUE FOR BID	DES.	DRW.	CHK.	DCCO	CDOT	Designer/Author	Checker	The Wrigley Building 410 North Michigan Ave. Suite 1600 Chicago, IL 60611 312.755.0770 312.755.0775 www.perkinswill.com		PARCEL A DESCRIPTION	DRAWING NO. TPA10-02
			01/27/2020										CDOT PROJECT D-7-135	REVISION NO.
													DATE: 01/27/2020	

-3-
William D. Addonizio
H.C. Tamm

A
B
C
D
E
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H
J
K

20 351 744 EASEMENT

For and in consideration of the sum of ONE (\$1.00) Dollar and other valuable considerations, the receipt whereof is hereby acknowledged, NUMBER TWO CHICAGO DWELLINGS ASSOCIATION, an Illinois corporation, not for profit, organized and existing under and by virtue of the laws of the State of Illinois, (hereinafter called "Grantor") does hereby grant and convey unto CHICAGO TRANSIT AUTHORITY, a municipal corporation, organized and existing under and by virtue of the laws of the State of Illinois, (hereinafter called "Grantee") and unto its successors and assigns, an easement for the purpose of guaranteeing ingress and egress and the maintenance and operation of the elevated structure and the operation of cars and trains thereon in, through, over, under and along the following described real estate:

A parcel of land in that part of Lots 1, 2, 3, 5, 8 and 9 in Block 1 of Page and Wood's Subdivision of Lots 50, 63 and 64 in Canal Trustees' Subdivision of Section 7, Township 39 North, Range 14 East of the Third Principal Meridian, in Cook County, Illinois, together with parts of Lots 1, 2 and 3 of the Subdivision of Lots 4 and 3 (except the East 16 feet thereof) in said Block 1 of Page and Wood's Subdivision, together with part of the vacated alley in said Block 1, described as follows:

Beginning at a point on the South Line of W. Lake St. (North Line of Lot 1 in said Block 1 of Page and Wood's Subdivision), a distance of 34.09 feet West of the West Line of N. Paulina St. (East Line of said Lot 1); running thence Southwesterly on a curved line, convex to the Northwest, with a radius of 216.30 feet, the radii line of said curve forms an angle of 610-50'-48" with the said South Line of W. Lake St.; from East to Southeast, a distance of 228.16 feet (arc); thence South tangent to last described curved line, a distance of 110.02 feet to the North Line of W. Maypole St. (being the South Line of aforesaid Lots 8 and 9 in Block 1) said point being 163.43 feet West of the said West Line of N. Paulina St.; thence continuing South along last described line, a distance of 66 feet to the South Line of vacated W.

Maypole St.; thence West along said South Line, a distance of 45.30 feet; thence North on a Line 45.30 feet West of and parallel with the last described course, a distance of 66 feet to the North Line of said vacated W. Maypole St., at a point which is 77.50 feet East of the East Line of W. Hermitage Ave.; thence continuing along said parallel line, a distance of 109.95 feet; thence Northeasterly on a curved line, tangent to last described straight line, concentric with aforesaid curved line, convex to the Northwest, with a radius of 261.60 feet, a distance of 207.27 feet (arc) to the South Line of W. Lake St., at a point on the North Line of Lot 3 in the aforesaid Subdivision of Lots 4 and 3 (except the East 16 feet thereof) in Block 1 of Page and Wood's Subdivision, said point being 155.11 feet East of aforesaid East Line of N. Hermitage Ave.; thence East along the said South Line of W. Lake St., a distance of 77.01 feet to the point of beginning.

Subject to the widening of W. Lake St. over the North 10 feet of above described parcel of land.

It being the intention of the Grantor to convey to the Grantee an easement free and clear of all obstructions beneath the elevated structure and with good and sufficient space on each side of said structure for access by emergency and maintenance vehicles.

The Grantor, its successors and assigns shall have the right to traverse the easement strip for pedestrian and vehicular traffic, and to utilize that portion of said easement strip not located under the elevated structure for automobile parking.

The Grantor shall not occupy for automobile parking purposes any portion of easement area directly beneath the elevated structure.

When, as and if the Grantee, its successors and assigns shall cease to maintain the elevated structure and operate cars and trains thereon and shall abandon and remove the said structure, all rights of the Grantee shall immediately terminate.

IN WITNESS WHEREOF, said Grantor has caused its corporate seal to be hereto affixed, and has caused its name to be signed to these presents by its Vice-President and attested by its Secretary this 6th day of December 1967.



NUMBER TWO CHICAGO DWELLINGS ASSOCIATION

By *Joseph B. Meegan*
Vice-President

ATTEST:
Lo J. Raich
Secretary

STATE OF ILLINOIS)
COUNTY OF COOK) To-WIT:

Lillian Margaret Thurman do hereby certify that Joseph B. Meegan, and Ira J. Bach, of the above named Corporation, personally known to me to be the same persons whose names are subscribed to the foregoing agreement as such Vice President and Secretary appeared before me this day in person, and acknowledged that they signed, sealed, and delivered the foregoing agreement as the free and voluntary act of said Corporation, and as their own free and voluntary as such Vice President and Secretary, for the uses and purposes therein set forth.

Given under my hand and seal this 6th day of December, 1967
My Commission expires 6/14/71



J.P. Miller
Approved as to Form and Legality

1967 DEC 11 PM 3 13

DEC-11-67 15 0234 • 20351744 • A - Rec 5.00
20351744

1 PARCEL B DESCRIPTION
NOT TO SCALE

DESIGN BY:							
DRAWN BY:							
CHECKED BY:							
APPROVED BY:		01/27/2020	ISSUE FOR BID	Designer/Author	Checker		
CDOT/APPROVED BY:	NO.	DATE	REVISIONS	DES.	DRW.	CHK.	DCCO CDOT

PERKINS+WILL

The Wrigley Building
410 North Michigan Ave.
Suite 1600
Chicago, IL 60611
312.755.0770
312.755.0775
www.perkinswill.com



DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

PARCEL B DESCRIPTION

CDOT PROJECT D-7-135

DATE: 01/27/2020

SPEC. NO.

DRAWING NO.
TPA10-03

REVISION NO.

RACEWAY & WIRING SYMBOLS LIST

SYMBOL	DESCRIPTION
	CONDUIT CONCEALED IN CEILING WALL OR IN SLAB EXPOSED CONDUIT
	CONDUIT UP
	CONDUIT DOWN
	JUNCTION BOX
	MANHOLE, HANDHOLE

WIRING DEVICES SYMBOLS LIST

SYMBOL	DESCRIPTION
	SINGLE POLE SWITCH, LOWER CASE LETTER INDICATES OUTLETS CONTROLLED. 42" MAX. A.F.F. WP DENOTES WEATHER PROOF, 3W INDICATES 3 WAY, OS INDICATES OCCUPANCY SENSOR, T INDICATES THERMAL OVERLOAD ELEMENT DISCONNECT SWITCH, VS INDICATES VACANCY SENSOR WITH INTEGRAL ON-OFF SWITCH
	DUPLEX RECEPTACLE - 20A, 2 POLE, 3 WIRE, 125V, AC, NEMA 5-20R MOUNTED 24" A.F.F. IN PUBLIC SPACES AND 18" A.F.F. IN NON-PUBLIC SPACES UNLESS OTHERWISE NOTED. WP DENOTES WEATHER PROOF. GFCI DENOTES GROUND FAULT CIRCUIT INTERRUPTER TYPE. LOCK DENOTES LOCKABLE TYPE. N-PP1:1 DENOTES PANEL AND CIRCUIT NUMBER
	DOUBLE DUPLEX RECEPTACLE - 20A, 2 POLE, 3 WIRE, 125V, AC, NEMA 5-20R MOUNTED 24" A.F.F. IN PUBLIC SPACES AND 18" A.F.F. IN NON-PUBLIC SPACES UNLESS OTHERWISE NOTED.
	DOUBLE OR DUPLEX RECEPTACLE - 20A, 2 POLE, 3 WIRE, 125V, AC, NEMA 5-20R MOUNTED IN FLOOR BOX

SINGLE LINE SYMBOLS LIST

SYMBOL	DESCRIPTION
	240V NON-FUSIBLE HORSEPOWER RATED DISCONNECT SWITCH-208 VOLTS, 3 PHASE, 3 POLE UNLESS OTHERWISE NOTED. NUMBER INDICATES SWITCH SIZE. MOUNTING HEIGHT 4'-6" A.F.F. UNO
	240V FUSIBLE HORSEPOWER RATED DISCONNECT SWITCH; UPPER NO. DENOTES SWITCH SIZE. MOUNTING HEIGHT 4'-6" A.F.F. UNO; LOWER NO. DENOTES FUSE SIZE
	PILOT LIGHT - PUSH-TO-TEST TYPE; "R" DENOTES COLOR - R=RED, G=GREEN, A= AMBER.
	FUSE, UL RATED (RATING AS SHOWN)
	METER
	CONDUIT/CABLE TAG
	CIRCUIT BREAKER (3 POLE UNO) 30A INDICATES TRIP RATING/SETTING (AMPS)
	GROUND
	KIRK KEY INTERLOCK; "1" DENOTES KEYED ALIKE LOCKS
	MOTOR NUMBER INDICATES HORSEPOWER
	PANELBOARD (NORMAL POWER TYPE). REFER TO PANEL DESIGNATION LEGEND ON THIS DRAWING.
	PANELBOARD (RELIABLE POWER TYPE). REFER TO PANEL DESIGNATION LEGEND ON THIS DRAWING.
	PANELBOARD (EMERGENCY POWER TYPE). REFER TO PANEL DESIGNATION LEGEND ON THIS DRAWING.
	TRANSFORMER, DELTA WYE CONFIGURATION, RATINGS AS SHOWN

SPECIAL SYSTEM SYMBOLS LIST

SYMBOL	DESCRIPTION
	MOTION SENSOR
	DAMPER MOTOR
	DOOR SWITCH
	FLOW SWITCH
	CARD READER
	PRESSURE SWITCH
	WATER LEVEL FLOAT SWITCH
	SILL HEATER

LIGHTING SYMBOLS LIST

SYMBOL	DESCRIPTION
	OCCUPANCY SENSOR CEILING MOUNTED
	VACANCY SENSOR CEILING MOUNTED
	LED LIGHTING FIXTURE CONNECTED TO NORMAL SYSTEM. LED LIGHTING FIXTURE CONNECTED TO RELIABLE SYSTEM. LED LIGHTING FIXTURE CONNECTED TO EMERGENCY LIGHTING PANEL
	EXIT SIGN - DIRECTIONAL SIGN NUMBERS INDICATE INSCRIPTION, ARROWS AND SINGLE OR DOUBLE FACE AS SHOWN. SHADED QUADRANT INDICATES DIRECTION OF LIGHTED FACE. SEE EMERGENCY/EXIT SYMBOL LIST ON E90 SERIES DRAWINGS.

FIRE ALARM SYMBOLS LIST

SYMBOL	DESCRIPTION
	FIRE ALARM PHONE JACK
	FIRE ALARM PULL STATION
	END OF LINE DEVICE
	SMOKE DETECTOR
	HEAT DETECTOR
	DUCT SMOKE DETECTOR
	VISUAL FIRE ALARM DEVICE (STROBE)
	AUDIO/VISUAL FIRE ALARM DEVICE (AUDIO & STROBE)
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM ELEV/ESC CONTROL MODULE INTERFACE

PANEL DESIGNATION LEGEND

NUMBER

PANEL TYPE

- CP - COMMUNICATION PANEL
- DP - DISTRIBUTION PANEL
- EL - ELEVATOR
- ESC - ESCALATOR
- FCEP - FARE CONTROL EQUIPMENT PANEL
- HP - HEATING PANEL
- HT - HEAT TRACE PANEL
- IH - INFRARED HEATER
- LP - LIGHTING PANEL
- PP - POWER PANEL
- RP - RECEPTACLE PANEL
- SWBD - SWITCHBOARD

POWER TYPE

- E - EMERGENCY
- N - NORMAL
- R - RELIABLE

CITY LOAD CALCULATIONS ARE ON DRAWING E60-03

ELECTRICAL DRAWINGS COMPLY WITH REQUIREMENTS OF THE 2018 CITY OF CHICAGO ELECTRICAL CODE REFER TO DRAWING E01-03 FOR ELECTRICAL CODE MATRIX

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The Wrigley Building
410 North Michigan Ave.
Suite 1600
Chicago, IL 60611
t 312.755.0770
f 312.755.0775
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154 N DAMEN AVE - DAMEN GREEN LINE STATION	SPEC. NO.
ELECTRICAL SYMBOL LIST	DRAWING NO. E01-01
CDOT PROJECT D-7-135	REVISION NO.
DATE: 11/01/2019	

GENERAL NOTES:

- 1. ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND ALL OTHER DRAWINGS RELATED TO THE PERFORMANCE OF THE WORK.
2. THE CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THIS WORK IS TO BECOME THOROUGHLY FAMILIAR WITH THE PROJECT SPECIFICATIONS BEFORE COMMENCING ANY WORK.
20. ALL CONDUIT CROSSING STRUCTURAL EXPANSION JOINTS ARE TO BE PROVIDED WITH EXPANSION JOINT FITTINGS.
21. ALL ELECTRIC HEATERS ARE TO BE CONTROLLED AS SHOWN ON THE DRAWINGS. PROVIDE ALL CONTROL DEVICES AS REQUIRED.

ABBREVIATIONS:

- A, AMP AMPERE
A/C AIR CONDITIONER
AC ALTERNATING CURRENT
ACCU AIR COOLED CONDENSER UNIT
AFF ABOVE FINISHED FLOOR
AFG ABOVE FINISHED GRADE
AHU AIR HANDLING UNIT
AIC AVAILABLE INTERRUPTING CURRENT
APS AUDIO POWER SUPPLY
ARCH ARCHITECTURAL
ATC AUTOMATIC THROW-OUT CONTROL
ATM AUTOMATED TELLER MACHINE
ATS AUTOMATIC TRANSFER SWITCH
AUTO AUTOMATIC
AVM AUTOMATIC VENDING MACHINE
AWG AMERICAN WIRE GAUGE
B BOILER
BE ELECTRONIC BALLAST (RELIABLE POWER)

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Table with columns for design and approval dates: DESIGN BY, DRAWN BY, CHECKED BY, APPROVED BY, CDOT/APPROVED BY. Includes dates like 01/27/2020 and issue for bid status.



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CDOT CHICAGO DEPARTMENT OF TRANSPORTATION logo and address: 154 N DAMEN AVE - DAMEN GREEN LINE STATION

Table with project information: SPEC. NO., DRAWING NO. E01-02, REVISION NO., DATE: 11/01/2019, CDOT PROJECT D-7-135

A
B
C
D
E
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G
H
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CITY OF CHICAGO DEPARTMENT OF BUILDINGS								
GENERAL BUILDING REQUIREMENTS Chicago Building Code (CBC) 2018 Edition								
ITEM	ISSUE	CHAPTER/ARTICLE	Ordinance Requirement	Actual	Requirement N/A	Location/ Sheet No.	Agency/ Test No.	REMARKS
ELECTRICAL								
1	Requirements for Electrical Installations	14E-1-110			Comply			
2	Branch Circuits	14E-2-210			Comply	E60-01, E60-03		
3	Feeders	14E-2-215			Comply	E60-01		
4	Branch circuit feeder and service	14E-2-220			Comply	E60-01		
5	Outside branch circuit and feeders	14E-2-225			N/A			
6	Services	14E-2-230			Comply	E60-01		
7	Overcurrent Protection	14E-2-240			Comply	E60-01		
8	Grounding	14E-2-250			Comply	E60-01, E50-07		
9	Surge Arrestors	14E-2-260			N/A			
10	Surge-Protective Devices	14E-2-285			Comply	E60-01		
11	Wiring Methods	14E-3-300			Comply			
12	Conductors for General Wiring	14E-3-310			Comply			
13	Cabinets, Meter socket enclosures	14E-3-312			Comply			
14	Outlet Device, Device, Pull and Junction boxes, conduit bodies and fittings	14E-3-314			Comply			
15	Medium Voltage cable	14E-3-326			N/A			
16	Mineral Insulated MI Cable	14E-3-332			N/A			
17	Service entrance cable	14E-3-338			Comply	E60-01, E60-02		
18	Intermediate Metal conduit	14E-3-342			N/A			
19	Rigid metal conduit	14E-3-344			Comply			
20	Non metallic underground conduit with conductors	14E-3-354			Comply			
21	Electric metallic tubing (EMT)	14E-3-358			Comply			
22	Flexible metallic tubing	14E-3-360			Comply			
23	Surface Metal Raceways	14E-3-386			Comply			
24	Underfloor raceways	14E-3-390			N/A			
25	Cable Trays	14E-3-392			N/A			
26	Open wiring or insulators	14E-3-398			N/A			
27	Flexible cords and cables	14E-4-400			N/A			
28	Fixture wires	14E-4-402			N/A			
29	Switches	14E-4-404			Comply			
30	Receptacles	14E-4-406			Comply			
31	Switchboards and Panelboards	14E-4-408			Comply	E60-01		
32	Lighting fixtures	14E-4-410			Comply	E60-05		
33	Lighting systems operating at 30V or less	14E-4-411			N/A			
34	Appliances	14E-4-422			N/A			
35	Fixed Electric Space heating equipment	14E-4-424			Comply	E60-04		
36	Fixed outdoor Electric deicing and snow melting equipment	14E-4-426			N/A			
37	Fixed electric heating equipment for pipelines and vessels	14E-4-427			Comply	E50-10, E60-22, E60-23, E60-24		
38	Motors, motor circuits and controllers	14E-4-430			Comply			
39	Air-conditioning and Refrigerating equipment	14E-4-440			Comply			
40	Generators	14E-4-445			N/A			
41	Transformers and transformer vaults	14E-4-450			Comply	E60-01		

CITY OF CHICAGO DEPARTMENT OF BUILDINGS								
GENERAL BUILDING REQUIREMENTS Chicago Building Code (CBC) 2018 Edition								
ITEM	ISSUE	CHAPTER/ARTICLE	Ordinance Requirement	Actual	Requirement N/A	Location/ Sheet No.	Agency/ Test No.	REMARKS
ELECTRICAL								
42	Storage batteries	14E-4-480			N/A			
43	Elevators	14E-6-620			Comply	E60-15		
44	Elevators	18-30-360	Fire Alarm Init Devices		Comply	E60-08, E60-15		
45	Information Technology Equipment	14E-6-645			N/A			
46	Solar Photovoltaic systems	14E-6-690			N/A			
47	Fire pumps	14E-6-695			N/A			
48	Emergency systems	14E-7-700			Comply	E90-SERIES		
49	Legally required standby generator systems	14E-7-701			N/A			
50	Optional standby systems	14E-7-702			N/A			
51	Fire alarm systems	14E-7-760 13-76			Comply	E10-30, E10-31, E10-32, E60-08		
52	Optical Fiber cables and raceways	14E-7-770			N/A			
53	Communication circuits	14E-8-800			N/A			
54	Radio and Television equipment	14E-8-810			N/A			
OTHER CODE REFERENCES:								
55	Services-Special	14E-3-408.11			Comply	E60-01		
56	Service Rating	14E-2-230.31 14E-2-230.42			Comply	E60-01		
57	Service Disconnecting Means	14E-2-230.70			Comply	E60-01		
58	Maximum number of disconnects	14E-2-230.71			Comply	E-60-01		
59	Number of Services	14E-2-230.40			Comply	E60-01		
60	Ground Fault Requirements	14E-2-230.95			Comply	E60-01		
61	Spaces about Electrical Equipment	14E-1-110.26 14E-3-384.8 14E-2-230.24	Overhead cable		Comply Comply N/A	E11-10		
62	Hi Rise	13-76			N/A			
63	Conduit Fill	14E-9-001 Tables 1 and 4			Comply	E60-02		
64	Voltage Drop	14E-2-210.19 14E-2-215.2			Comply Comply	E60-01 E60-01		
65	Interrupting Rating	14E-1-110.9			Comply	E60-01		

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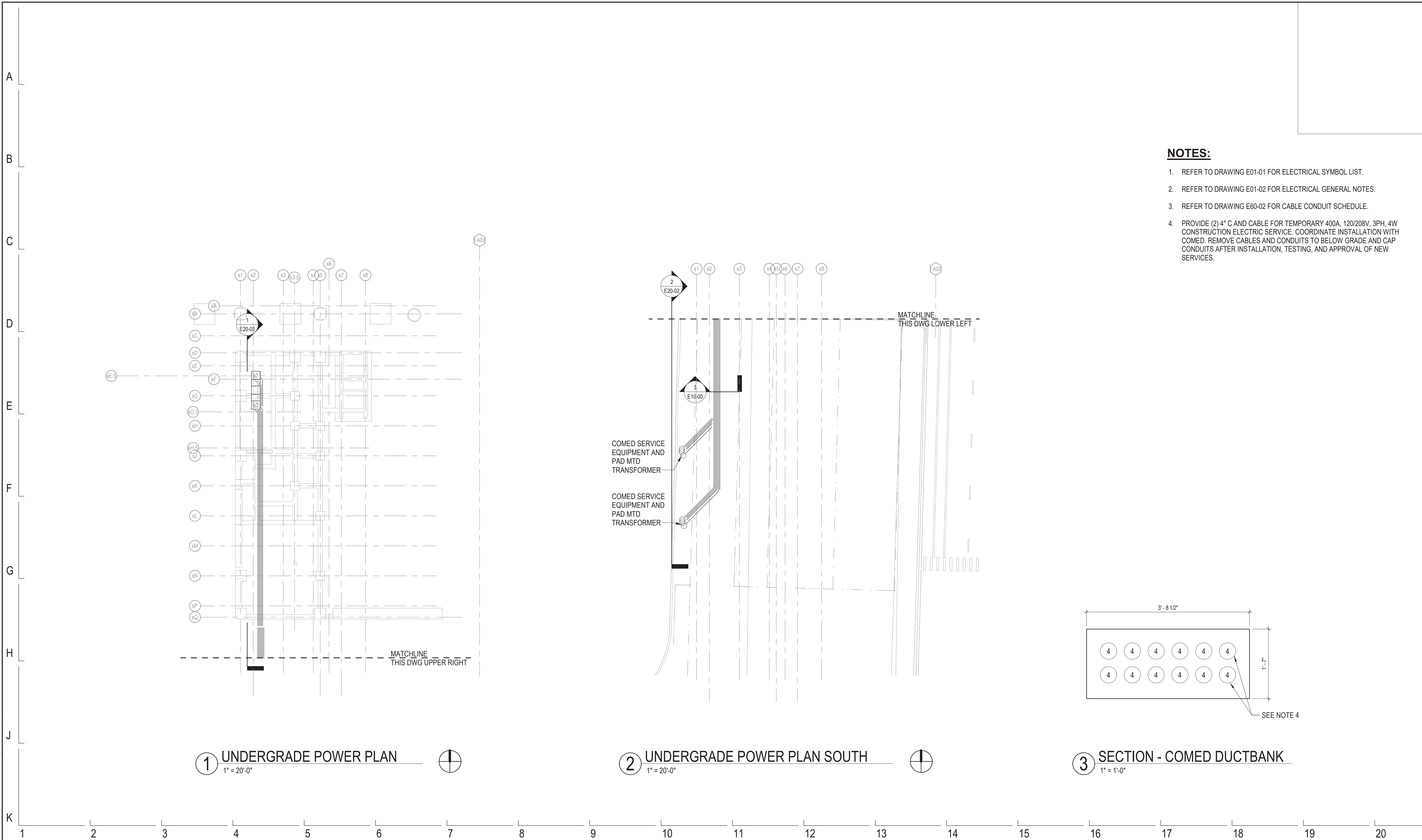
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
ELECTRICAL CODE MATRIX
CDOT PROJECT D-7-135
DATE: 11/01/2019

SPEC. NO.
DRAWING NO. **E01-03**
REVISION NO.

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NOTES:

- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
- REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
- REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
- PROVIDE (2) 4" C AND CABLE FOR TEMPORARY 400A, 120/208V, 3PH, 4W CONSTRUCTION ELECTRIC SERVICE. COORDINATE INSTALLATION WITH COMED. REMOVE CABLES AND CONDUITS TO BELOW GRADE AND CAP CONDUITS AFTER INSTALLATION, TESTING, AND APPROVAL OF NEW SERVICES.

1 UNDERGRADE POWER PLAN
1" = 20'-0"

2 UNDERGRADE POWER PLAN SOUTH
1" = 20'-0"

3 SECTION - COMED DUCTBANK
1" = 1'-0"

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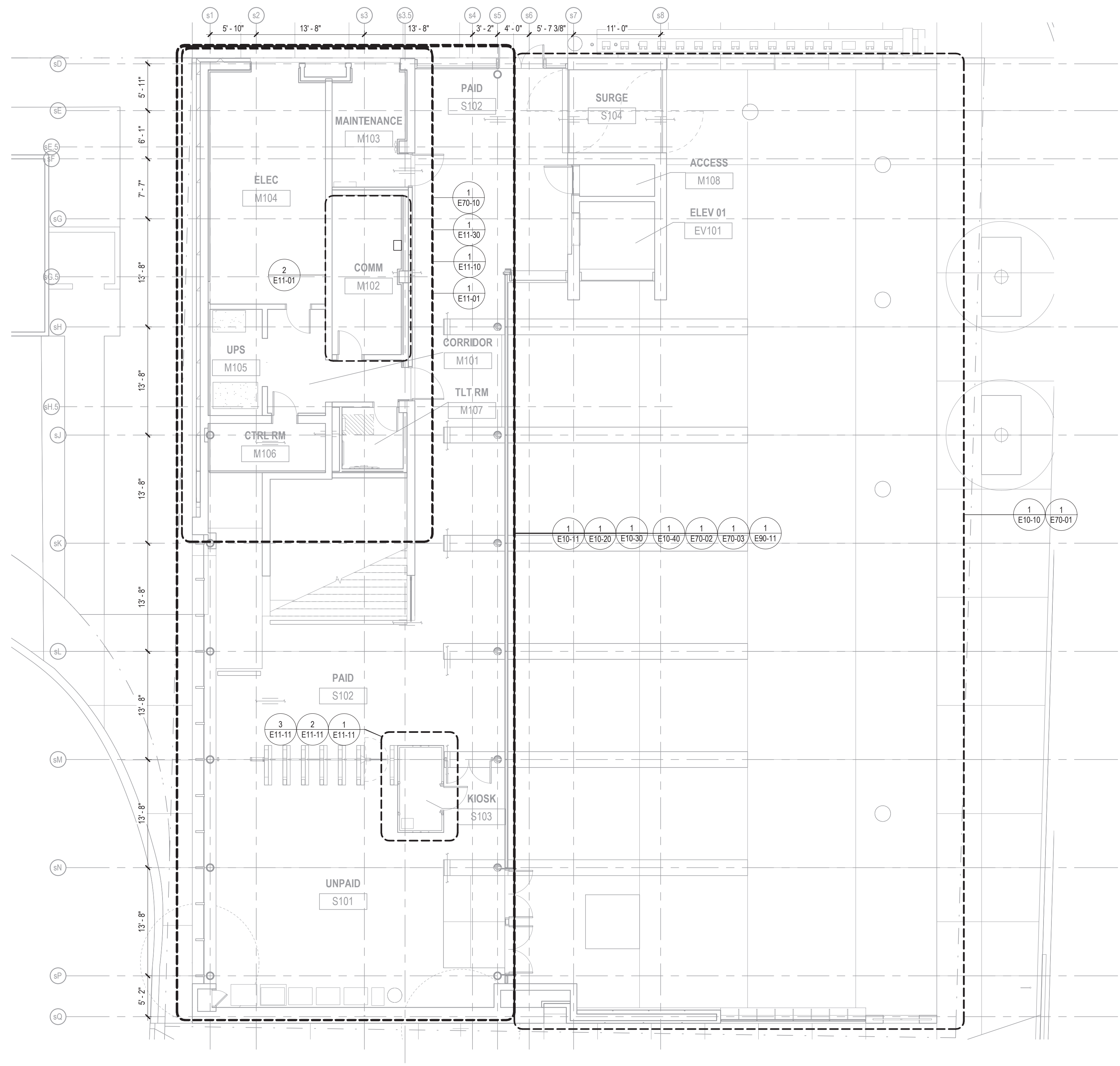


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
UNDERGRADE CONDUIT PLAN		DRAWING NO. E10-00
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

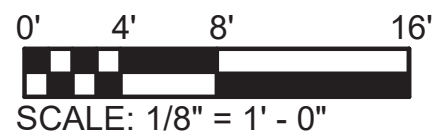
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NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.

1 OVERALL STATION HOUSE PLAN
1/8" = 1'-0"



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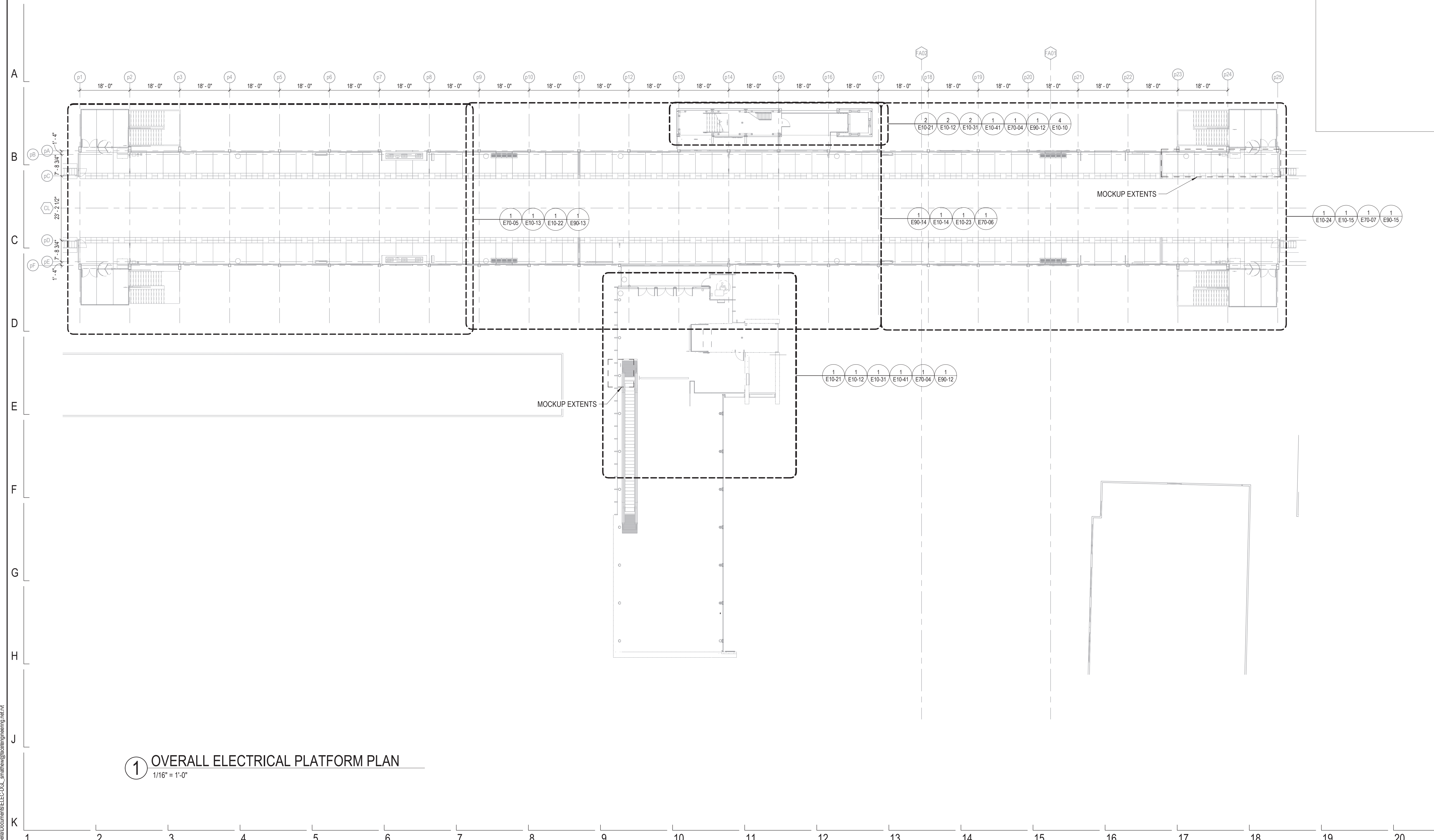


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
OVERALL ELECTRICAL STATION PLAN		DRAWING NO. E10-01
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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1 OVERALL ELECTRICAL PLATFORM PLAN
1/16" = 1'-0"

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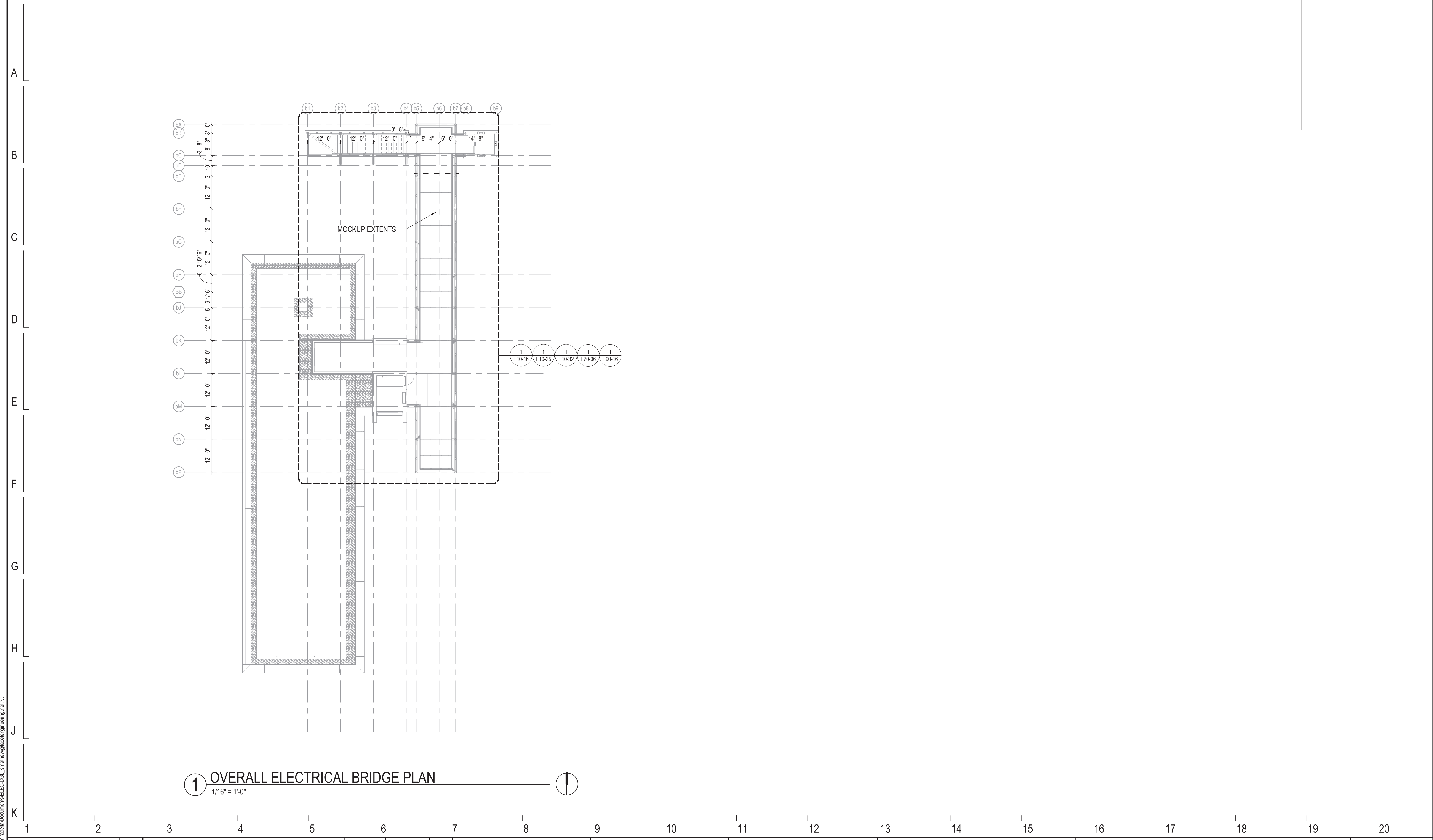


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
OVERALL ELECTRICAL PLATFORM PLAN		DRAWING NO. E10-02
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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1 OVERALL ELECTRICAL BRIDGE PLAN
 1/16" = 1'-0"

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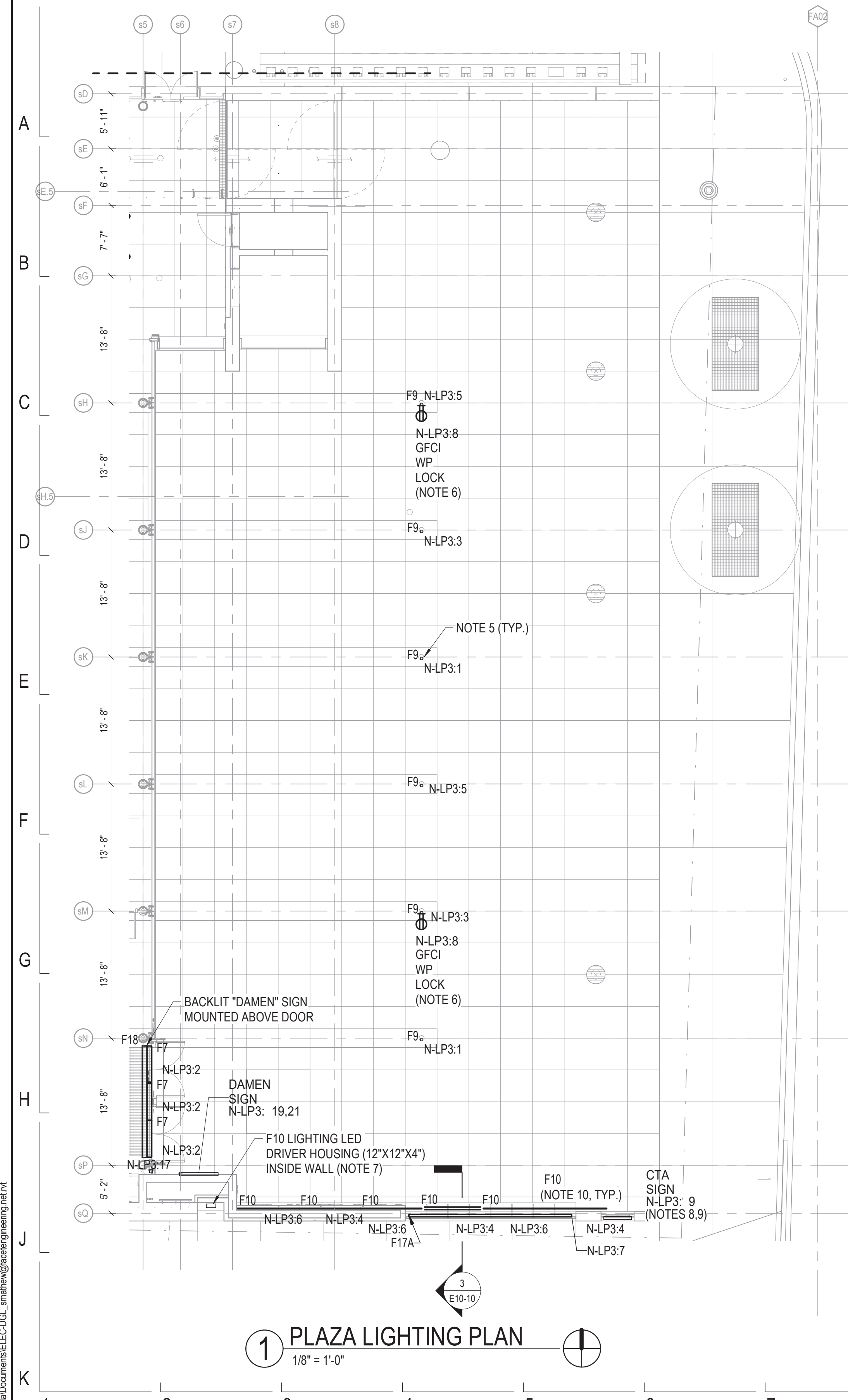


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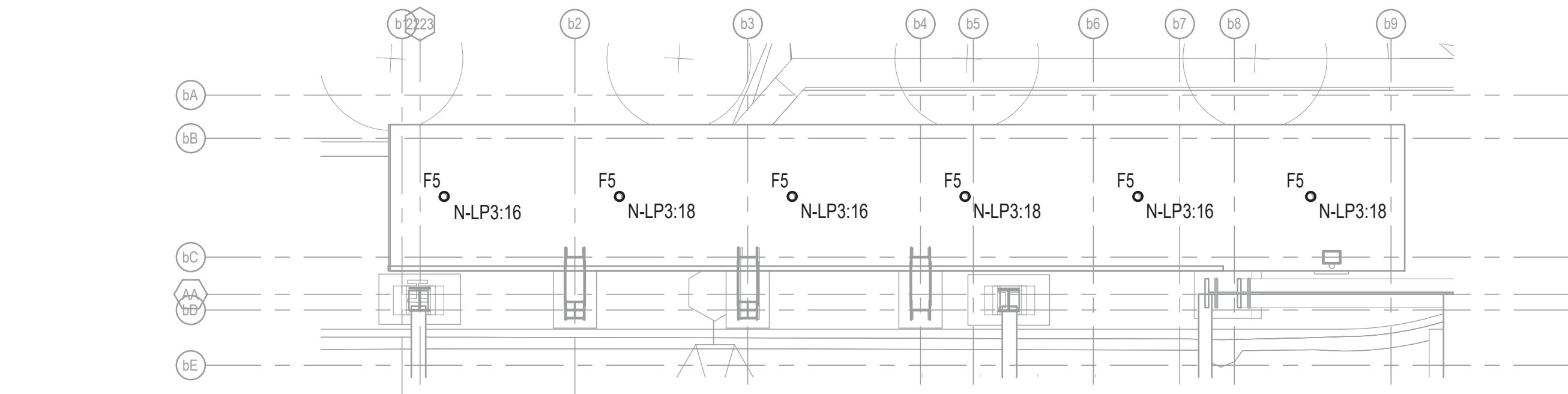


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
OVERALL ELECTRICAL BRIDGE PLAN		DRAWING NO. E10-03
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

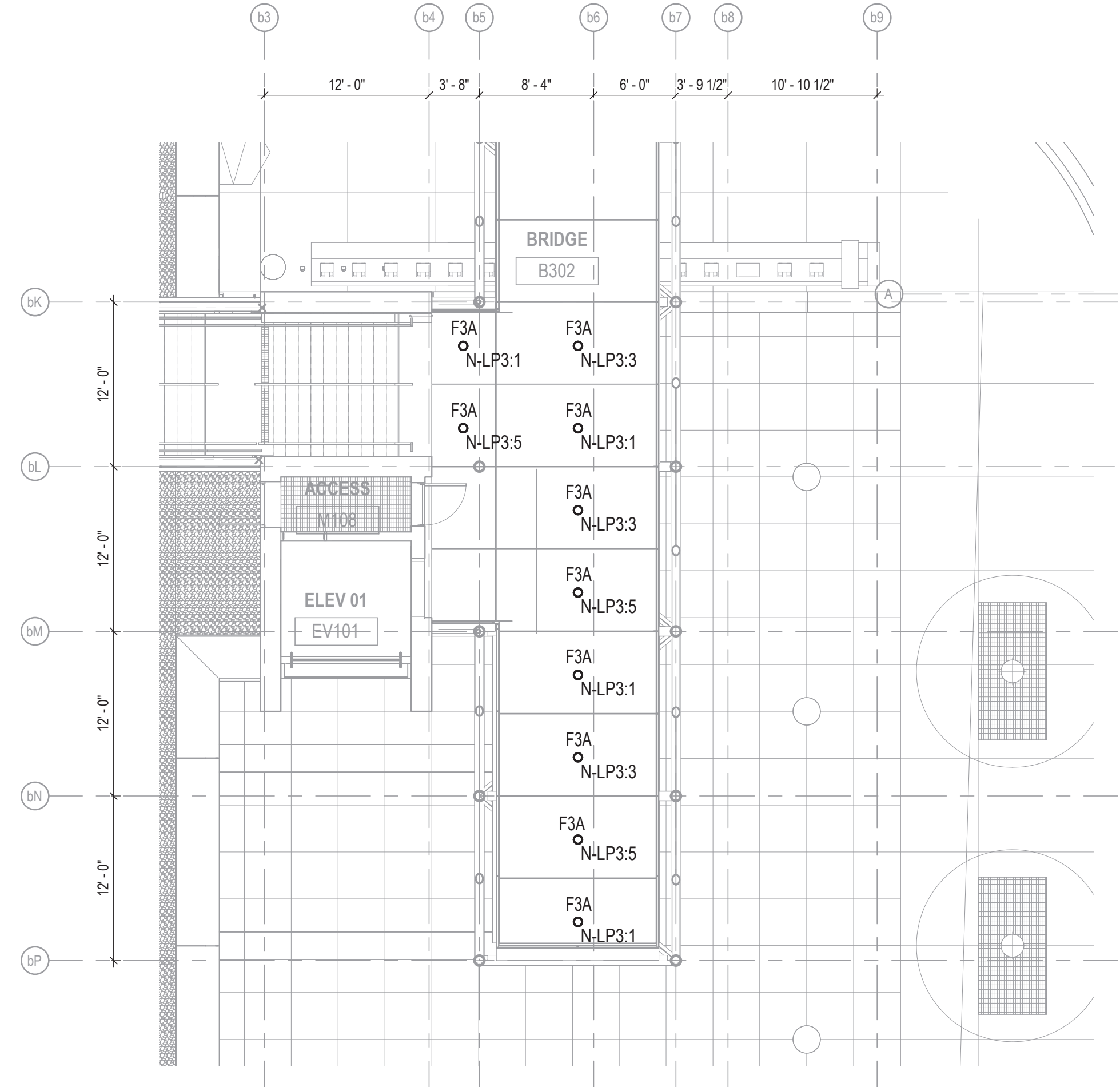
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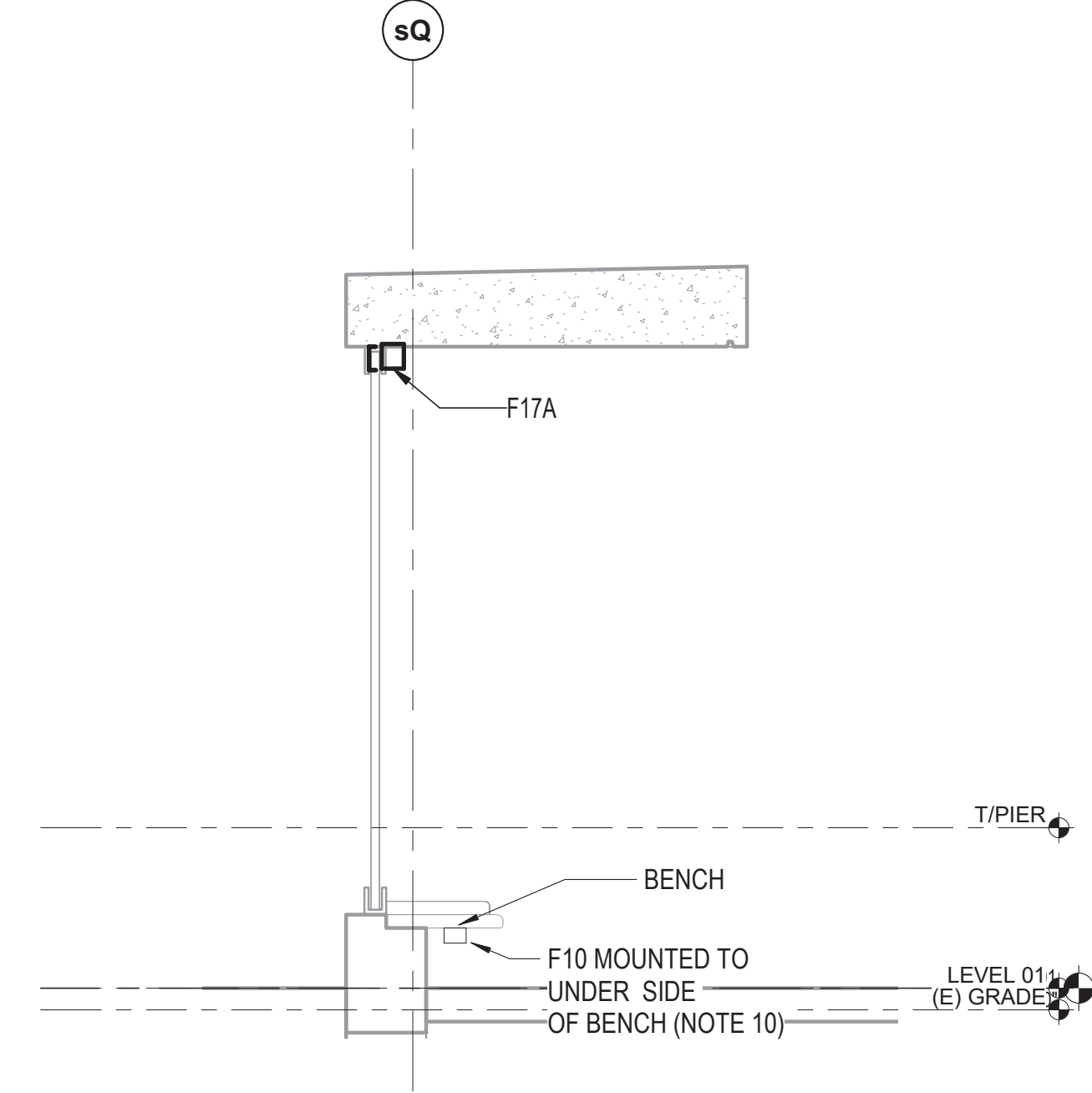
1 PLAZA LIGHTING PLAN
1/8" = 1'-0"



4 LEVEL 01 NORTH TOWER SIDEWALK LIGHTING
1/8" = 1'-0"

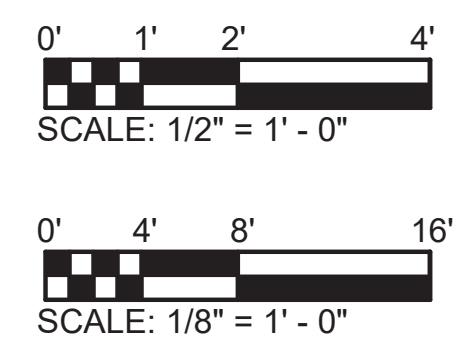


2 LEVEL 01 PLAZA BRIDGE LIGHTING
1/8" = 1'-0"



3 PLAZA BENCH SECTION
1/2" = 1'-0"

- NOTES:**
- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 - REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 - REFER TO DRAWING E60-05 FOR LIGHTING FIXTURE SCHEDULE.
 - REFER TO DRAWING E50-13 FOR LIGHT POLE FOUNDATION DETAIL.
 - PROVIDE DUPLEX RECEPTACLE IN PLAZA LIGHT POLE BASE.
 - PROVIDE CABINET INSIDE WALL LOCATED BEHIND THE ACCESS PANEL.
 - CONCEAL CONDUIT IN CONCRETE STRUCTURE.
 - COORDINATE CONDUIT INSTALLATION, LOCATION AND SIZE WITH SIGN VENDOR AND INSTALL PER SIGN VENDOR REQUIREMENTS.
 - THE CONTRACTOR SHALL COORDINATE THE CONCEALED RECESSED FIXTURE WITH THE BENCH DESIGN AND ARCHITECTURAL DRAWINGS.



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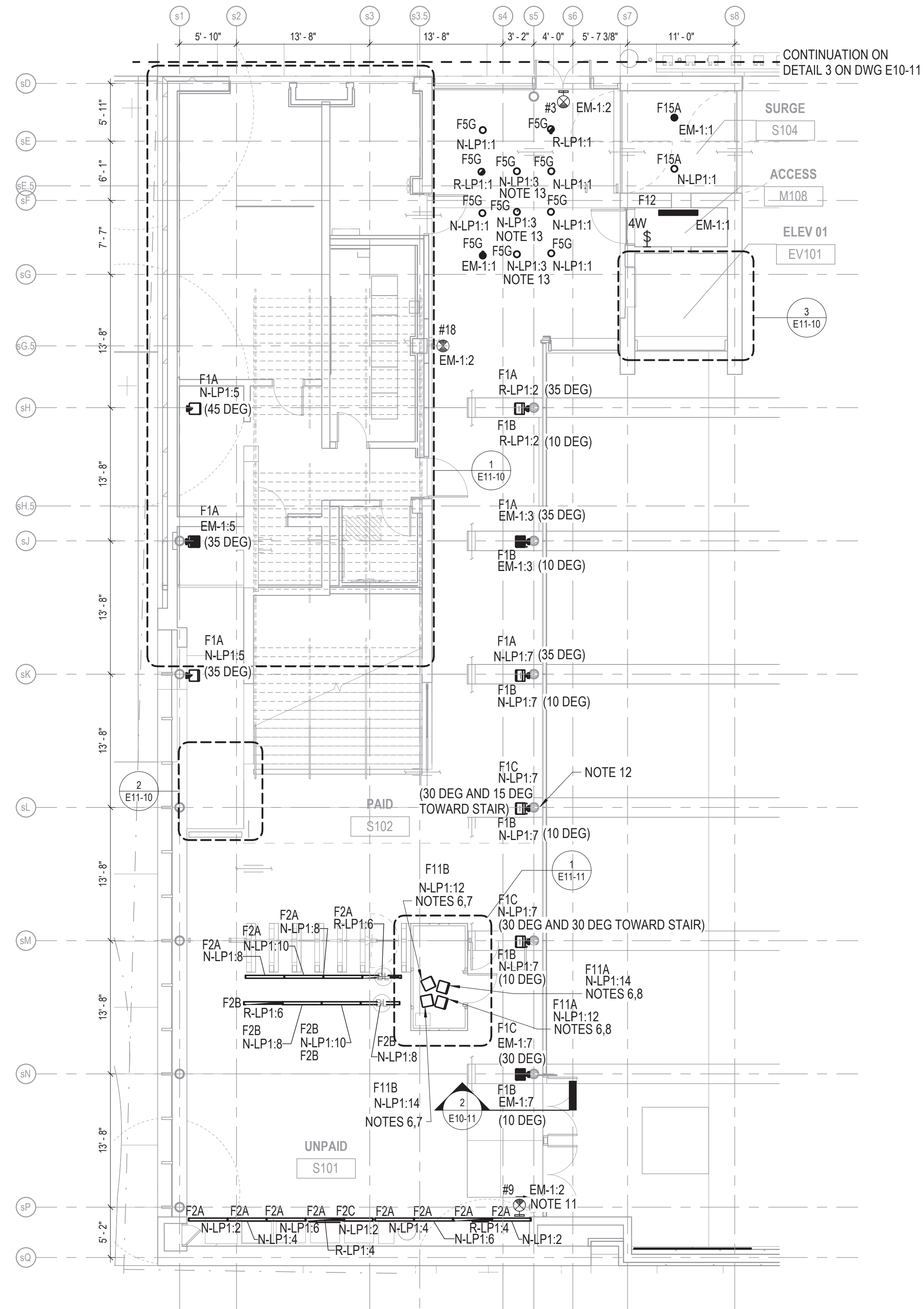


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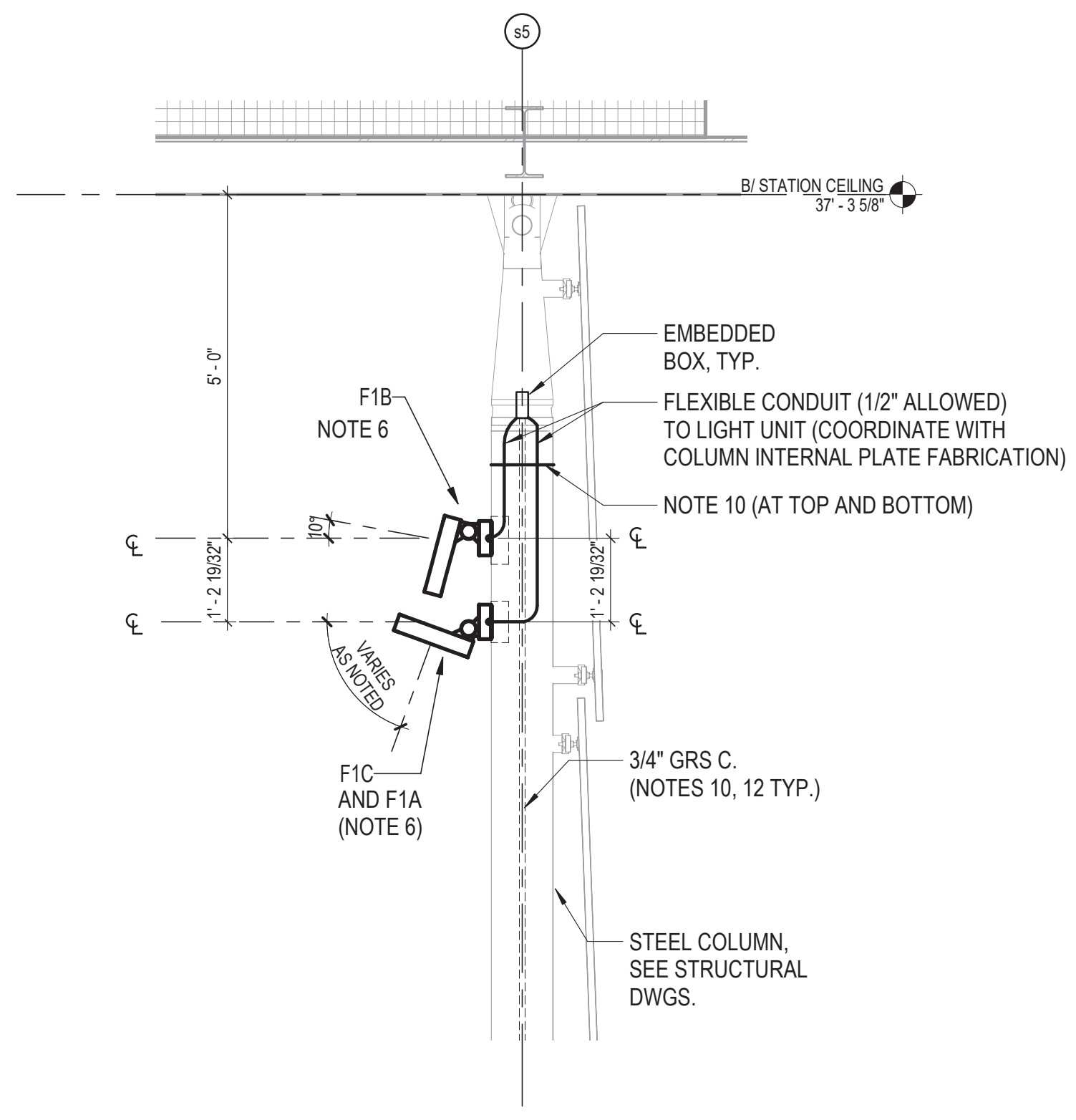
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OF TRANSPORTATION
DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 01 PLAZA LIGHTING PLAN		DRAWING NO. E10-10
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

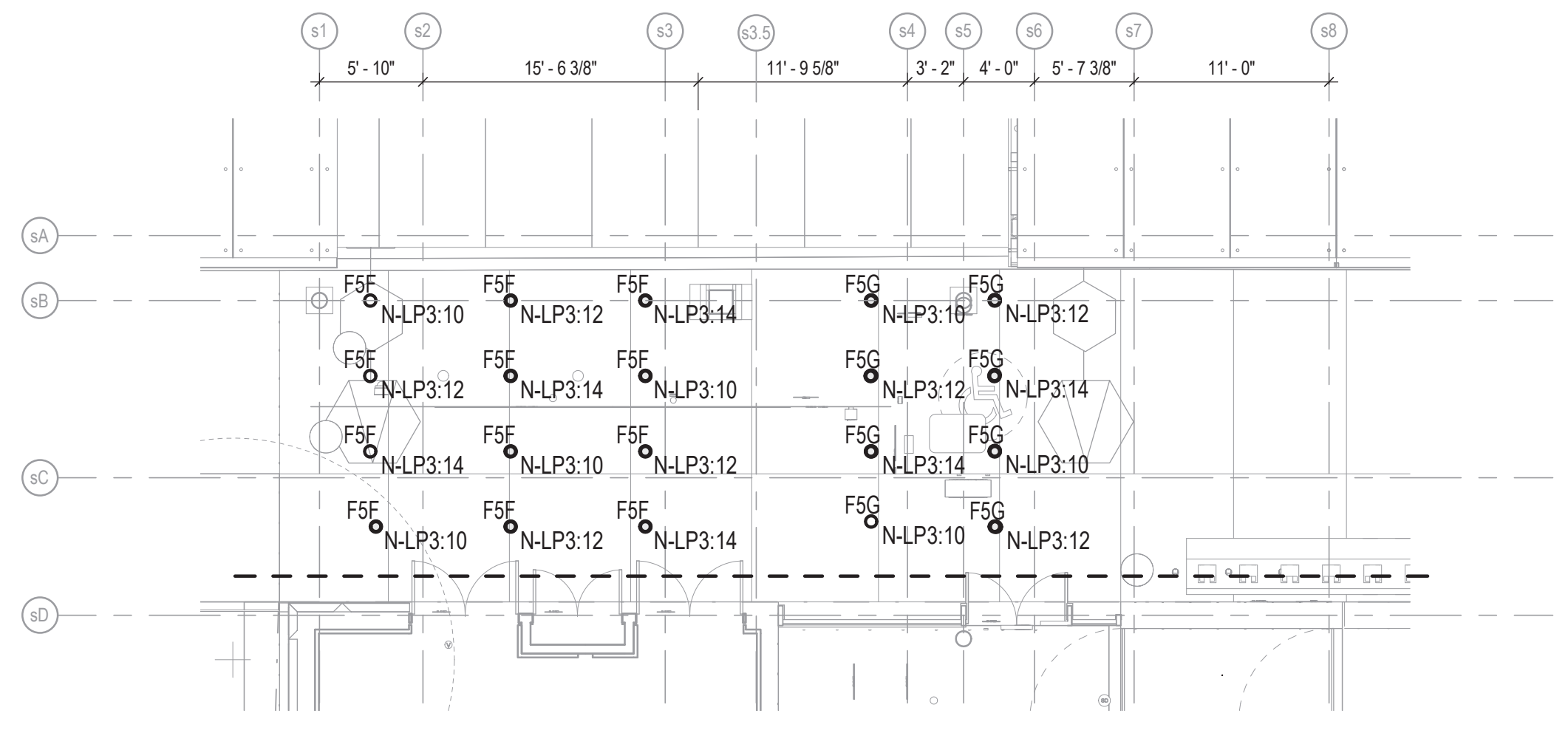
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1 STATION HOUSE LIGHTING PLAN
1/8" = 1'-0"



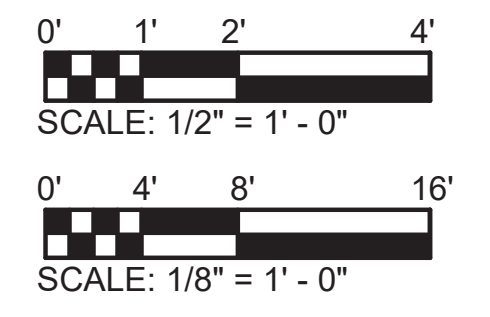
2 COLUMN LIGHTING DETAIL
1/2" = 1'-0"



3 STATION HOUSE LIGHTING PLAN - EXTERIOR
1/8" = 1'-0"

NOTES:

- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
- REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
- REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
- REFER TO DRAWING E60-05 FOR LIGHTING FIXTURE SCHEDULE.
- REFER TO DRAWING E60-05 FOR SIGNAGE LIGHTING SCHEDULE.
- FINAL ADJUSTMENT OF LUMINAIRE TO BE MADE IN FIELD AFTER INSTALLATION.
- ART WALL LUMINAIRE INITIAL SET TO 81 DEGREE TILT.
- ART WALL LUMINAIRE INITIAL SET TO 58 DEGREE TILT.
- THE LUMINAIRE SHALL BE USED WHEN THE TEMPORARY FARE EQUIPMENT IS IN USE. THE LUMINAIRE SHALL BE CIRCUITED WITH AN ON/OFF SWITCH LOCATED IN THE LEVEL 01 STATION CUSTOMER ASSISTANCE KIOSK.
- THE CONTRACTOR SHALL PROVIDE COLUMN CONDUIT SUPPORTS INSTALLED DURING THE FABRICATION OF THE COLUMN. SUPPORTS SHALL BE A MINIMUM OF 10 FEET APART AND THE CONTRACTOR SHALL PROTECT THE CONDUIT DURING WELDING.
- EXIT SIGN IS MOUNTED HUNG OFF OF SOFFIT.
- PROVIDE FLEXIBLE METAL CONDUIT AT COLUMN BASE FROM COLUMN TO UNDERFLOOR CONDUITS, TYPICAL AT EACH COLUMN LOCATION. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL DETAILS.
- REFER TO ARCHITECTURAL REFLECTIVE CEILING PLANS FOR ACTUAL LIGHTING LAYOUT.



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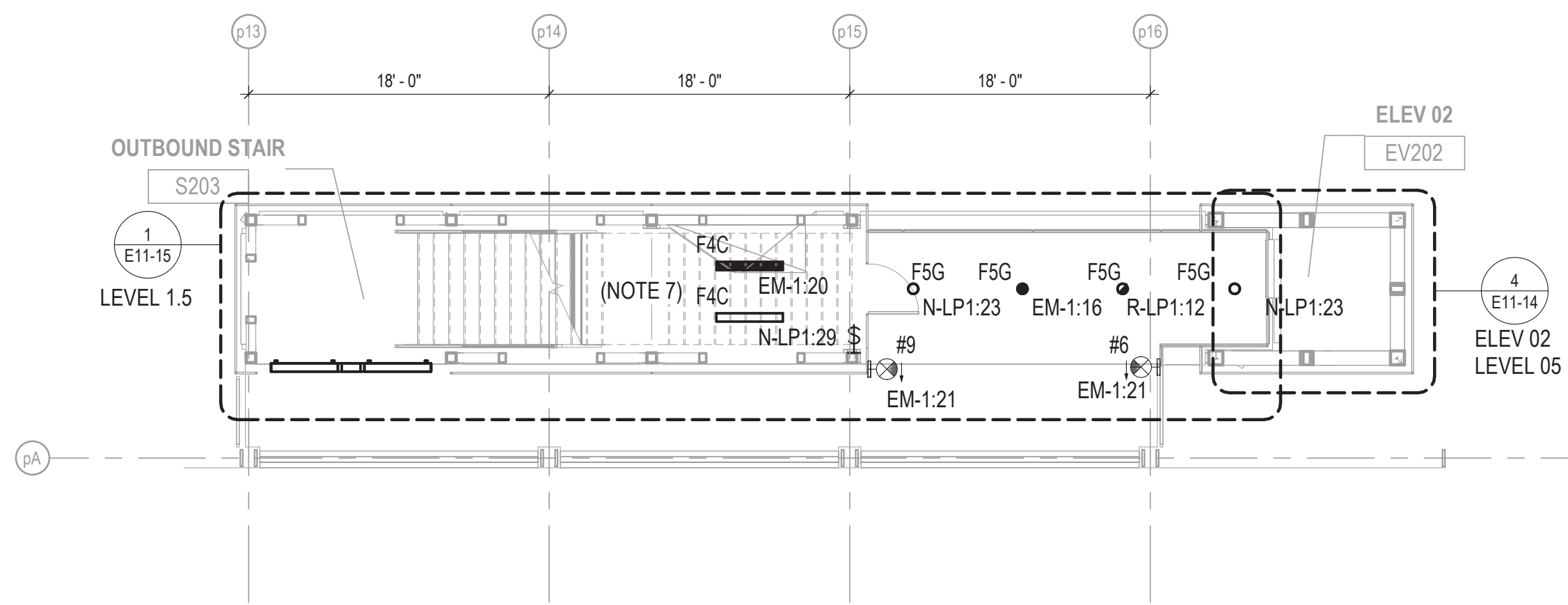
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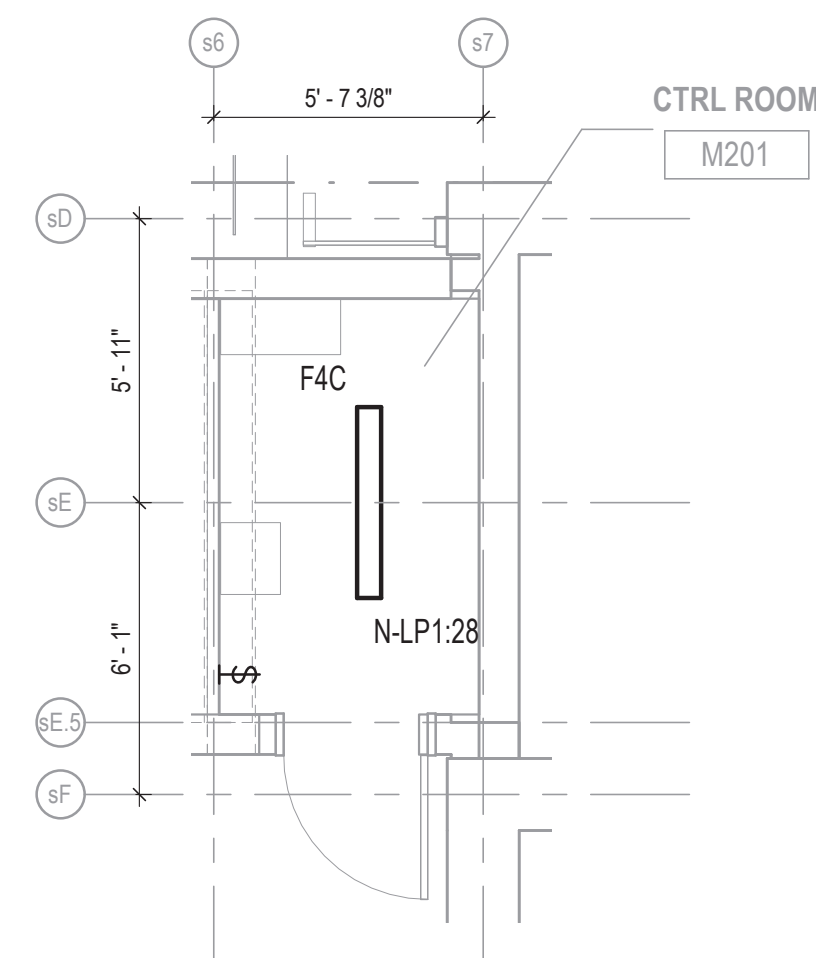
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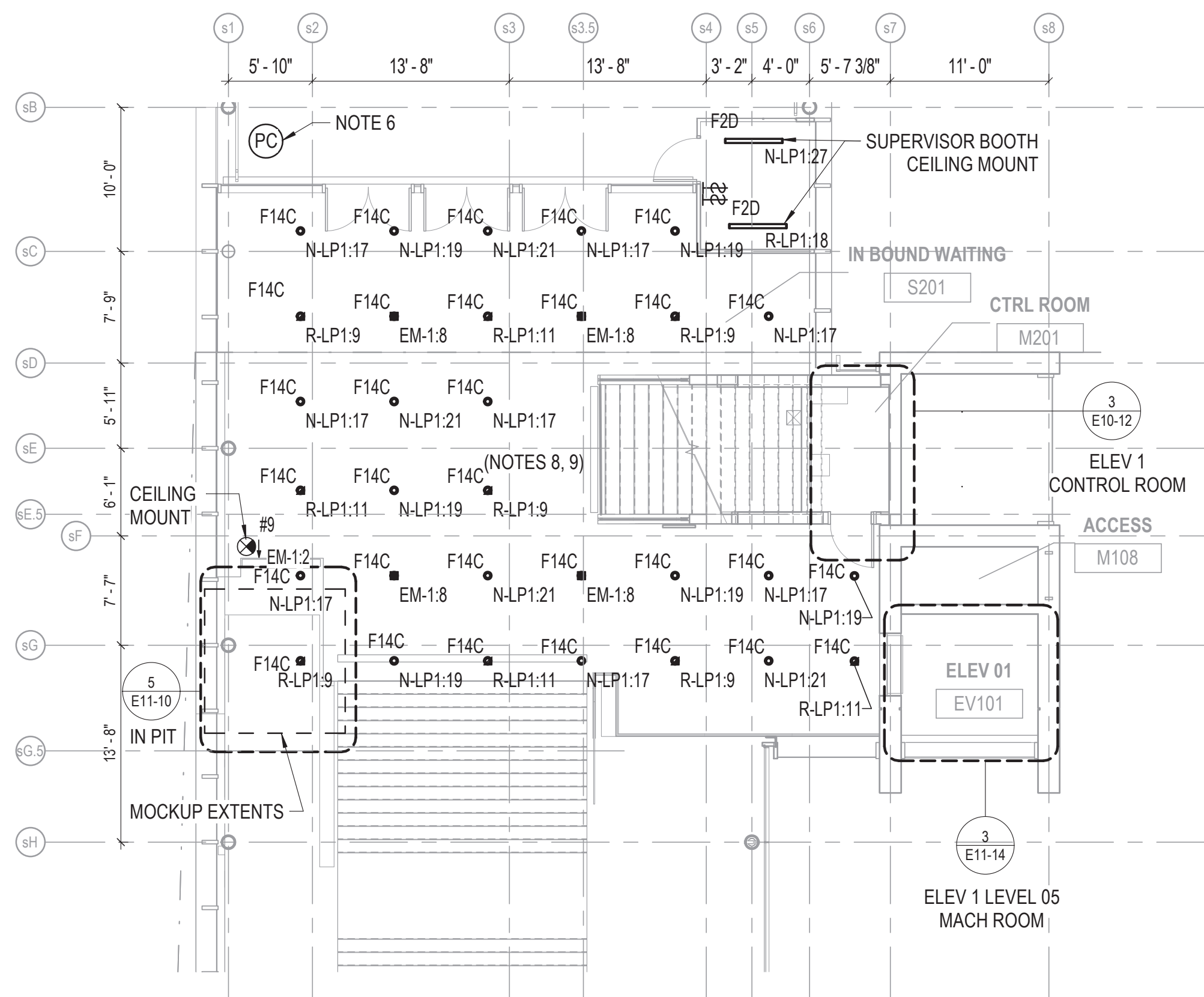
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 01 STATION HOUSE LIGHTING PLAN		DRAWING NO. E10-11
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.



② LEVEL 02 LIGHTING PLAN NORTH
1/8" = 1'-0"



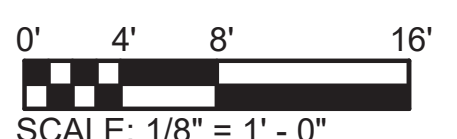
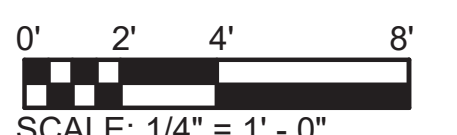
③ LEVEL 02 ELEV 1 CONTROL ROOM LIGHTING PLAN
1/4" = 1'-0"



① LEVEL 02 LIGHTING PLAN
1/8" = 1'-0"

NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
4. REFER TO DRAWING E60-05 FOR LIGHTING FIXTURE SCHEDULE.
5. REFER TO DRAWING E60-04 FOR SIGNAGE SCHEDULE.
6. PHOTOCELL MOUNTED ON ROOF. PROVIDE ALL ROOF MOUNTING AND DEVICE SUPPORT HARDWARE.
7. LIGHTING AND CONTROLS SHALL BE MOUNTED ON ISOLATING MATERIAL. EQUIPMENT AND RACEWAYS SHALL BE MOUNTED USING FIBERGLASS STRUT. REFER TO SPECIFICATIONS FOR ADDITIONAL STRAY CURRENT PROTECTION REQUIREMENTS.
8. ROUTE CONDUIT TO CEILING MOUNTED LIGHTING ON ROOF BELOW ROOF INSULATION AND WATERPROOF MEMBRANE. NO PULL BOXES ALLOWED. ROUTE CONDUITS TO HOISTWAY DOWN TO ELECTRICAL ROOM.
9. REFER TO ARCHITECTURAL REFLECTIVE CEILING PLANS FOR ACTUAL LIGHTING LAYOUT.



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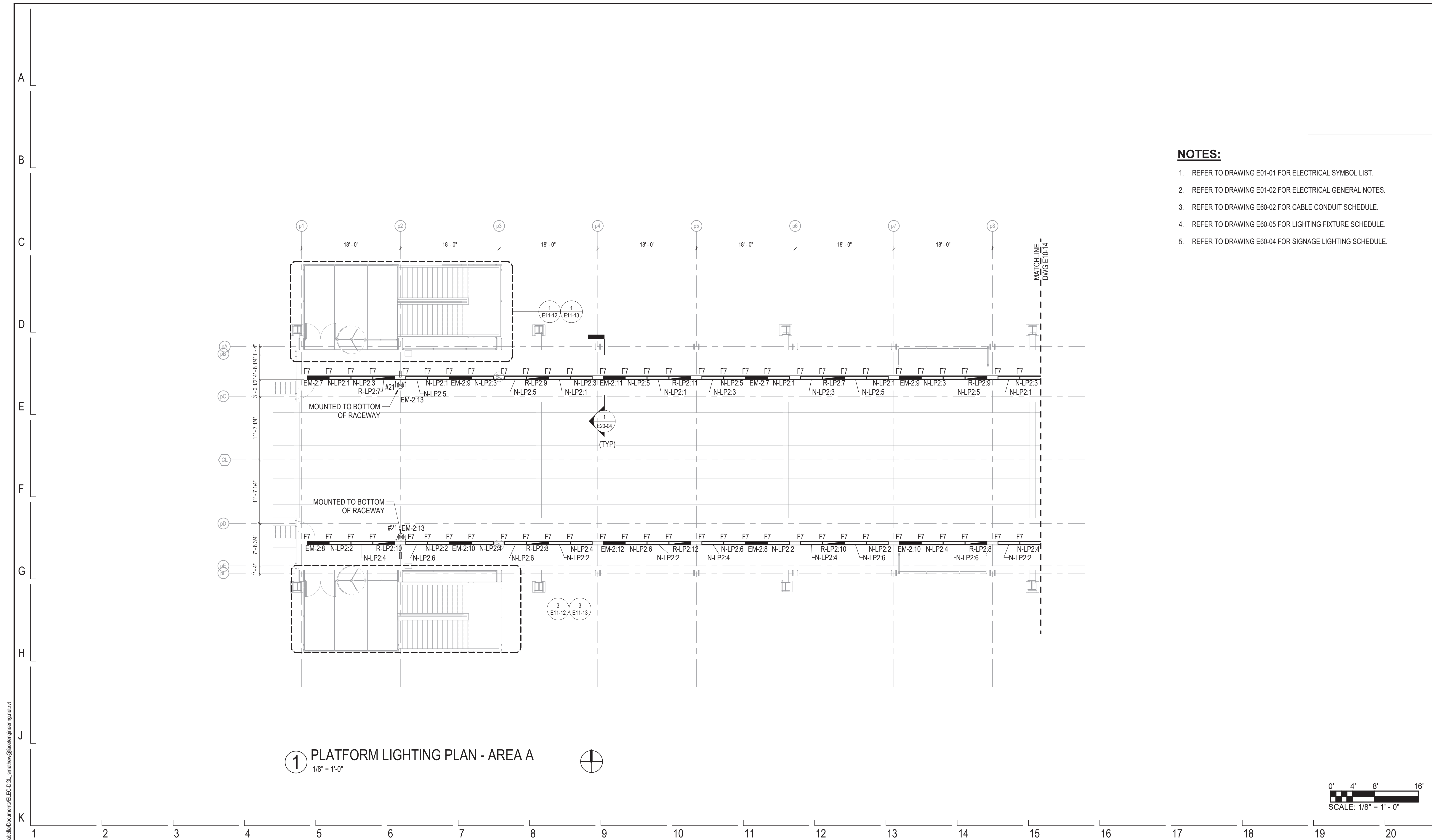
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 02 LIGHTING PLAN		DRAWING NO. E10-12
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.



- NOTES:**
1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 4. REFER TO DRAWING E60-05 FOR LIGHTING FIXTURE SCHEDULE.
 5. REFER TO DRAWING E60-04 FOR SIGNAGE LIGHTING SCHEDULE.

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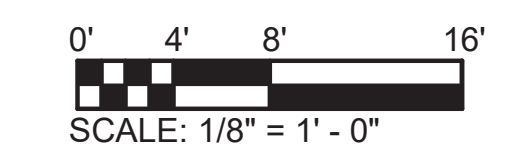
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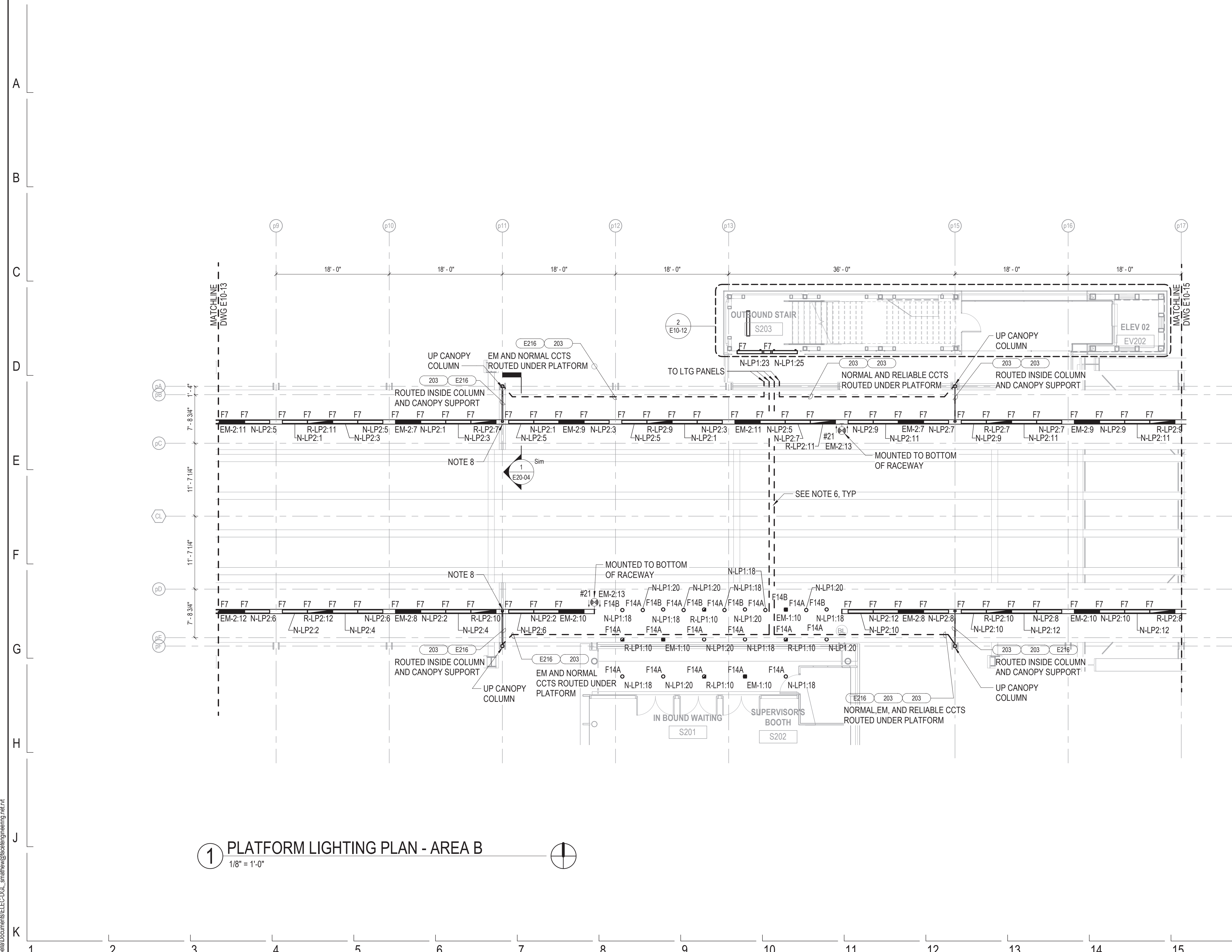


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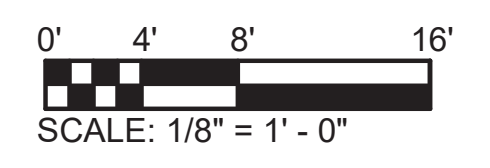
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 02 PLATFORM LIGHTING PLAN - AREA A		DRAWING NO. E10-13
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.





- NOTES:**
1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 4. REFER TO DRAWING E60-05 FOR LIGHTING FIXTURE SCHEDULE.
 5. REFER TO DRAWING E60-04 FOR SIGNAGE LIGHTING SCHEDULE.
 6. REFER TO DETAIL 6 ON DWG E50-04 FOR CONDUIT ATTACHED TO STRUCTURE DETAIL. PROVIDE EXPANSION JOINT OR FLEXIBLE CONDUIT ACROSS EXPANSION JOINTS.
 7. REFER TO ARCHITECTURAL REFLECTIVE CEILING PLANS FOR ACTUAL LIGHTING LAYOUT.
 8. PROVIDE S.S. METAL ENCLOSURE WITH SLIP CONNECTION TO HAVE SIMILAR APPEARANCE AS LIGHT FIXTURE ACROSS EXPANSION JOINT.

1 PLATFORM LIGHTING PLAN - AREA B
1/8" = 1'-0"



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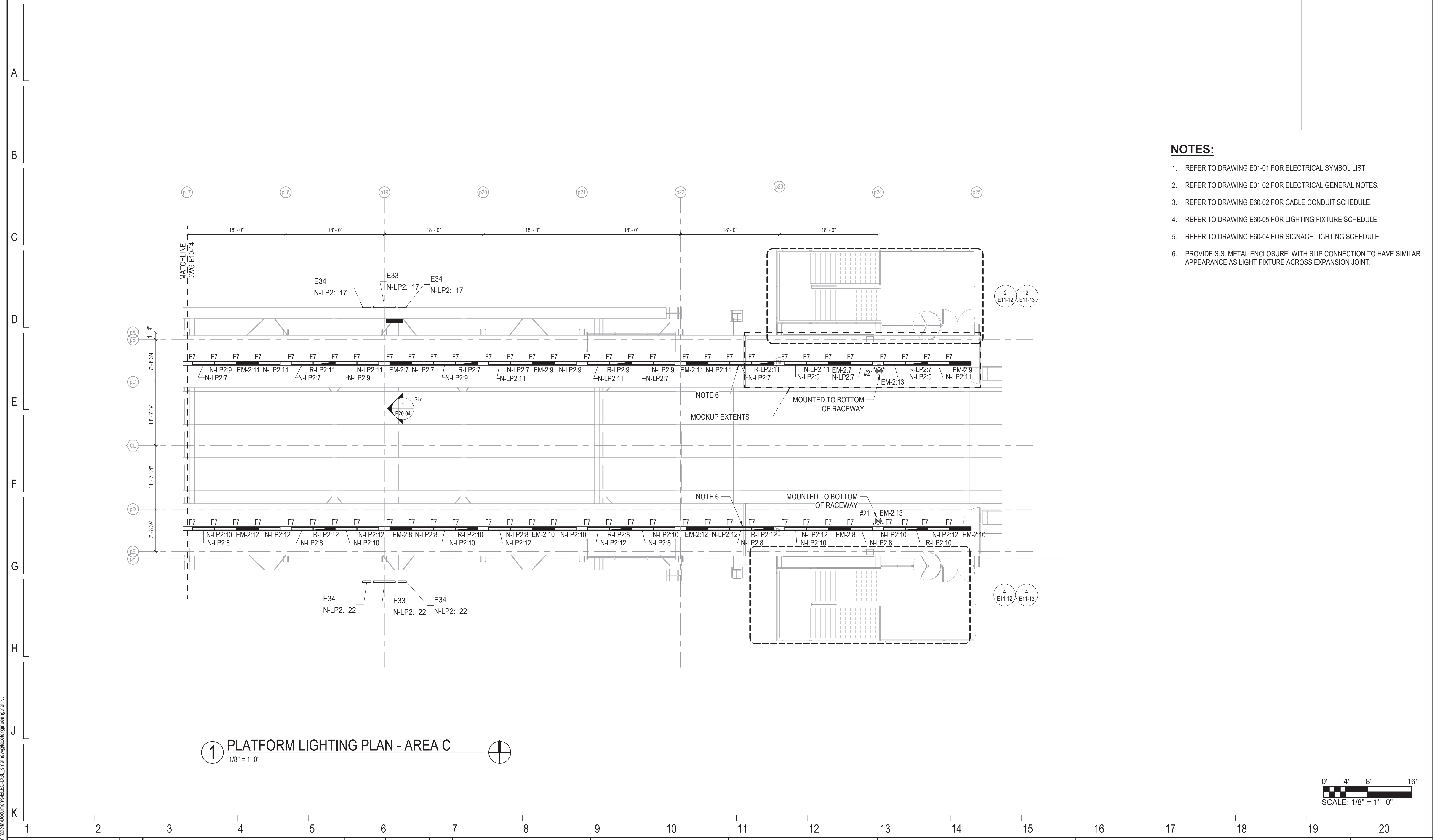


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 02 PLATFORM LIGHTING PLAN - AREA B		DRAWING NO. E10-14
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

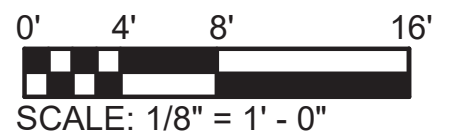
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NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
4. REFER TO DRAWING E60-05 FOR LIGHTING FIXTURE SCHEDULE.
5. REFER TO DRAWING E60-04 FOR SIGNAGE LIGHTING SCHEDULE.
6. PROVIDE S.S. METAL ENCLOSURE WITH SLIP CONNECTION TO HAVE SIMILAR APPEARANCE AS LIGHT FIXTURE ACROSS EXPANSION JOINT.

1 PLATFORM LIGHTING PLAN - AREA C
1/8" = 1'-0"



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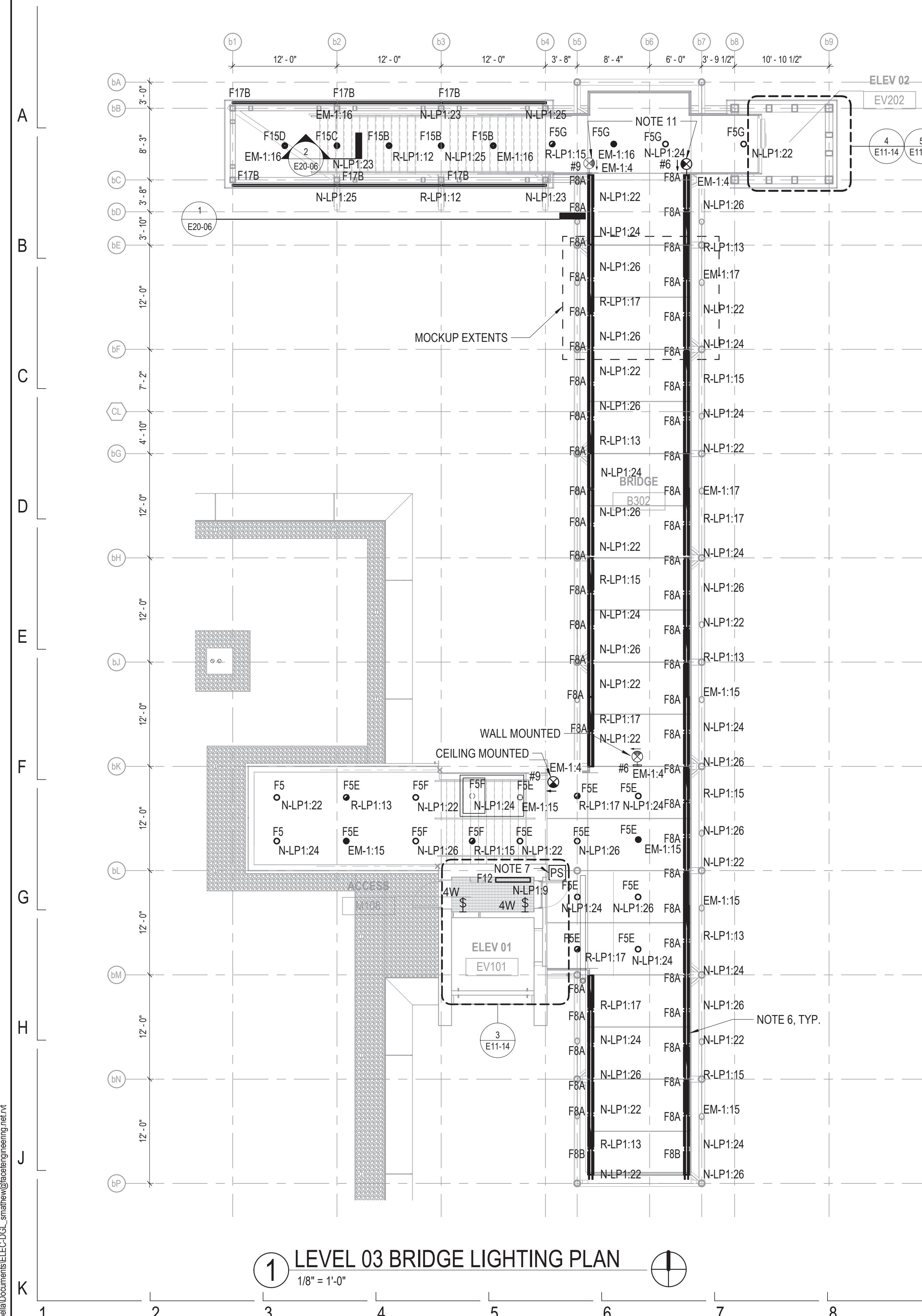


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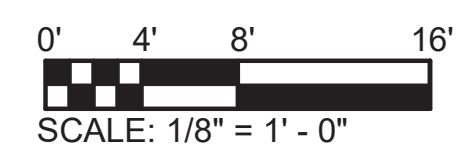


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 02 PLATFORM LIGHTING PLAN - AREA C		DRAWING NO. E10-15
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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1 LEVEL 03 BRIDGE LIGHTING PLAN
 1/8" = 1'-0"



- NOTES:**
- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 - REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 - REFER TO DRAWING E60-05 FOR LIGHTING FIXTURE SCHEDULE.
 - REFER TO DRAWING E60-04 FOR SIGNAGE LIGHTING SCHEDULE.
 - BRIDGE LIGHTING TO BE CONTROLLED VIA DIMMER SYSTEM. REFER TO DRAWING E60-18 FOR ADDITIONAL REQUIREMENTS.
 - AMBIENT PHOTO SENSOR MOUNTED TO CEILING TO CONTROL BRIDGE DIMMING SYSTEM.
 - REFER TO ARCHITECTURAL REFLECTIVE CEILING PLANS FOR ACTUAL LIGHTING LAYOUT.
 - CEILING MOUNTED

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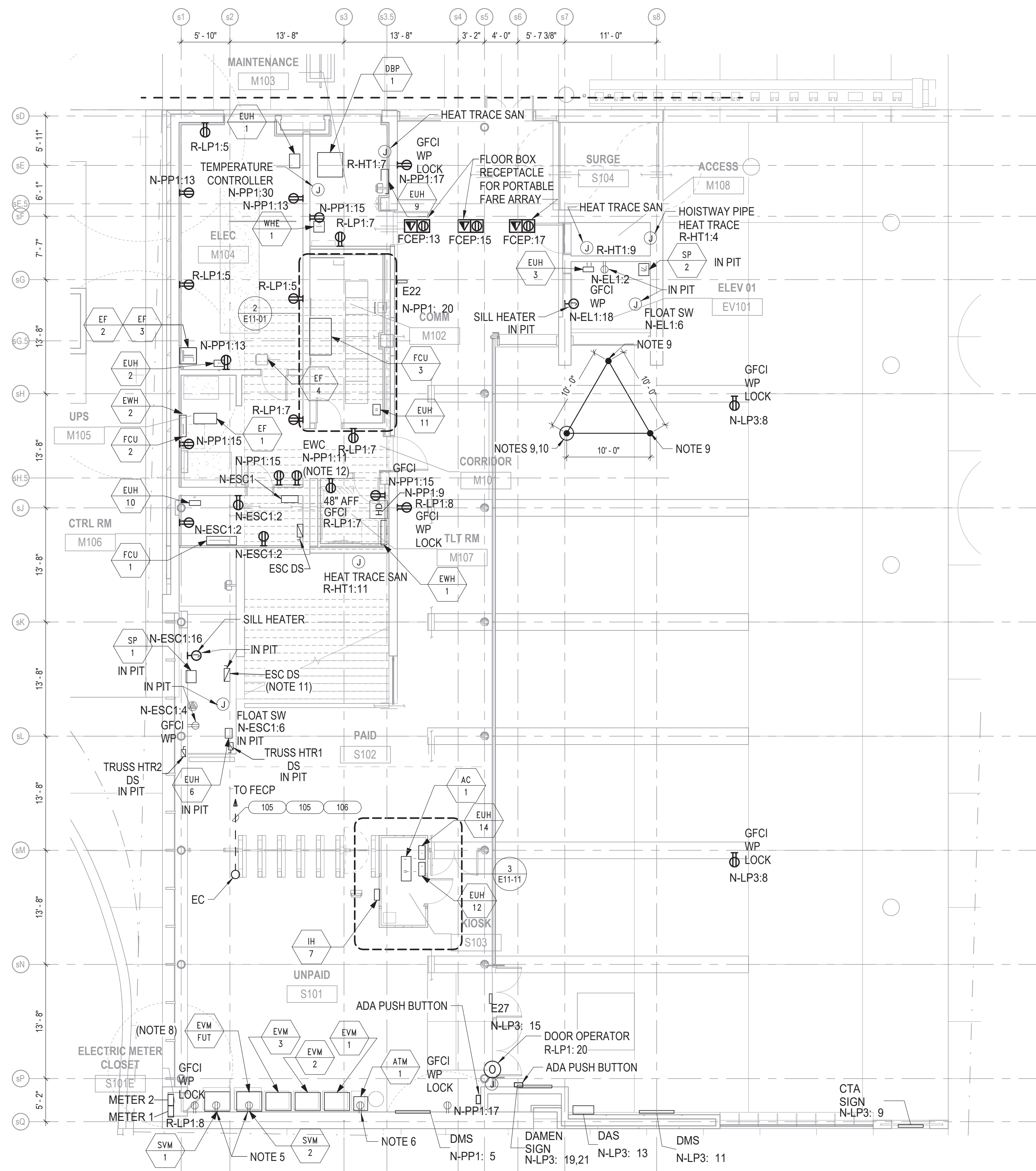


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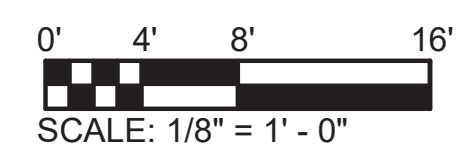
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LEVEL 03 BRIDGE LIGHTING PLAN		DRAWING NO. E10-16
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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- NOTES:**
- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 - REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 - REFER TO DRAWING E60-04 FOR ELECTRICAL EQUIPMENT SCHEDULE.
 - PROVIDE RECEPTACLE TO PROVIDE POWER TO SVM. REFER TO DRAWING E60-04 FOR THE CONNECTED POWER PANEL, CIRCUIT, AND CABLE AND CONDUIT.
 - PROVIDE RECEPTACLE TO PROVIDE POWER TO ATM. REFER TO DRAWING E60-04 FOR THE CONNECTED POWER PANEL, CIRCUIT, AND CABLE AND CONDUIT.
 - REFER TO DRAWING E60-04 SIGNAGE SCHEDULE FOR THE CABLE AND CONDUIT.
 - CAP FUTURE EVM CONDUIT FLUSH WITH TOP OF FLOOR AND PROVIDE PULL TAPE.
 - SERVICE GROUND ROD. SEE DRAWINGS E50-07 AND E60-26 FOR ADDITIONAL REQUIREMENTS.
 - GROUND TEST WELL STATION.
 - FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CHICAGO ELECTRICAL CODE REQUIREMENTS. INCLUDE NAMEPLATE ON EACH DISCONNECT SWITCH WHICH STATES ID, VOLTAGE, PHASE, AMPERES AND NEMA TYPE.
 - PROVIDE LOCKABLE DISCONNECT SWITCH FOR FEED TO ELECTRIC WATER COOLER.

1 STATION HOUSE POWER PLAN
1/8" = 1'-0"



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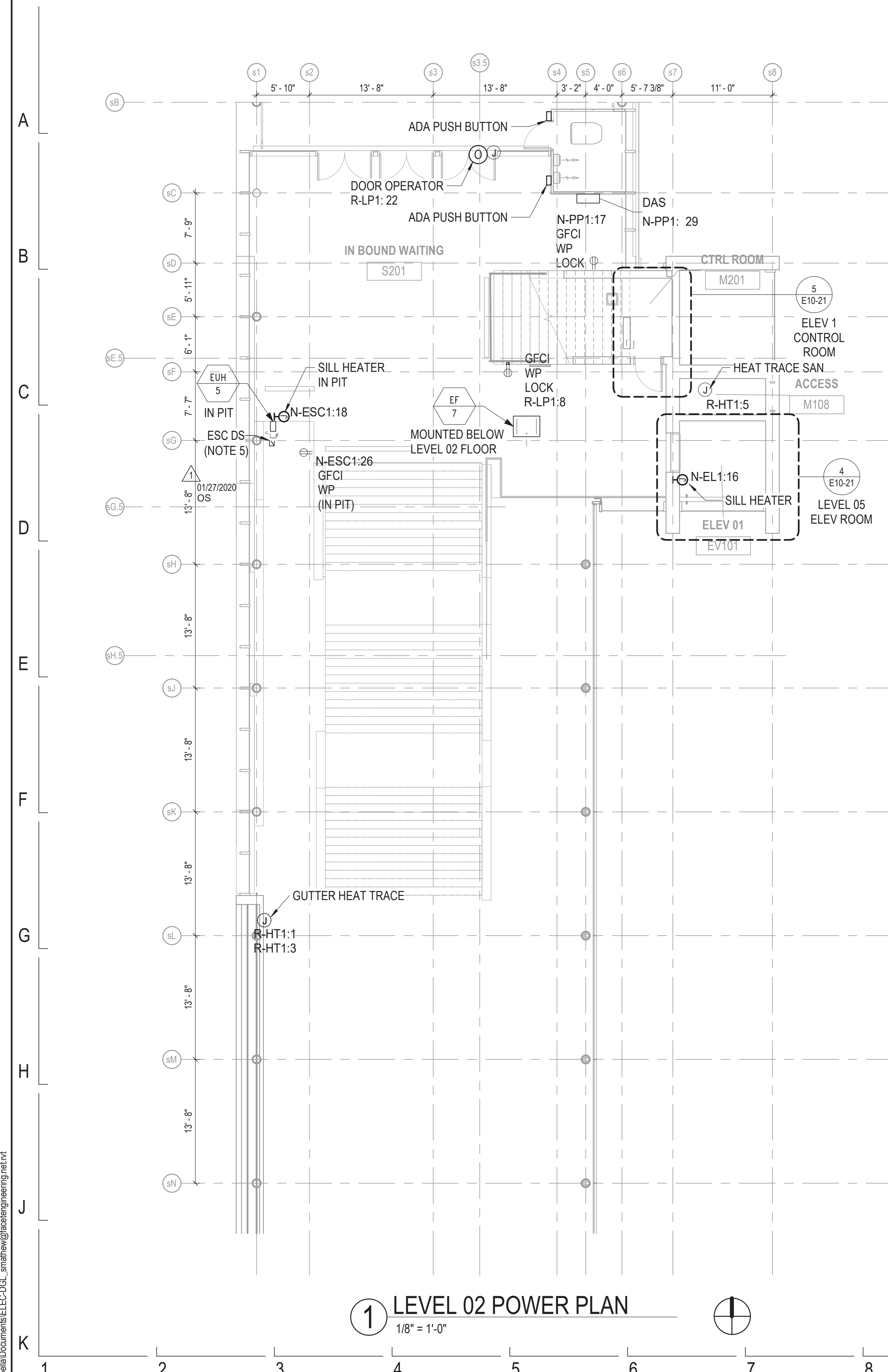
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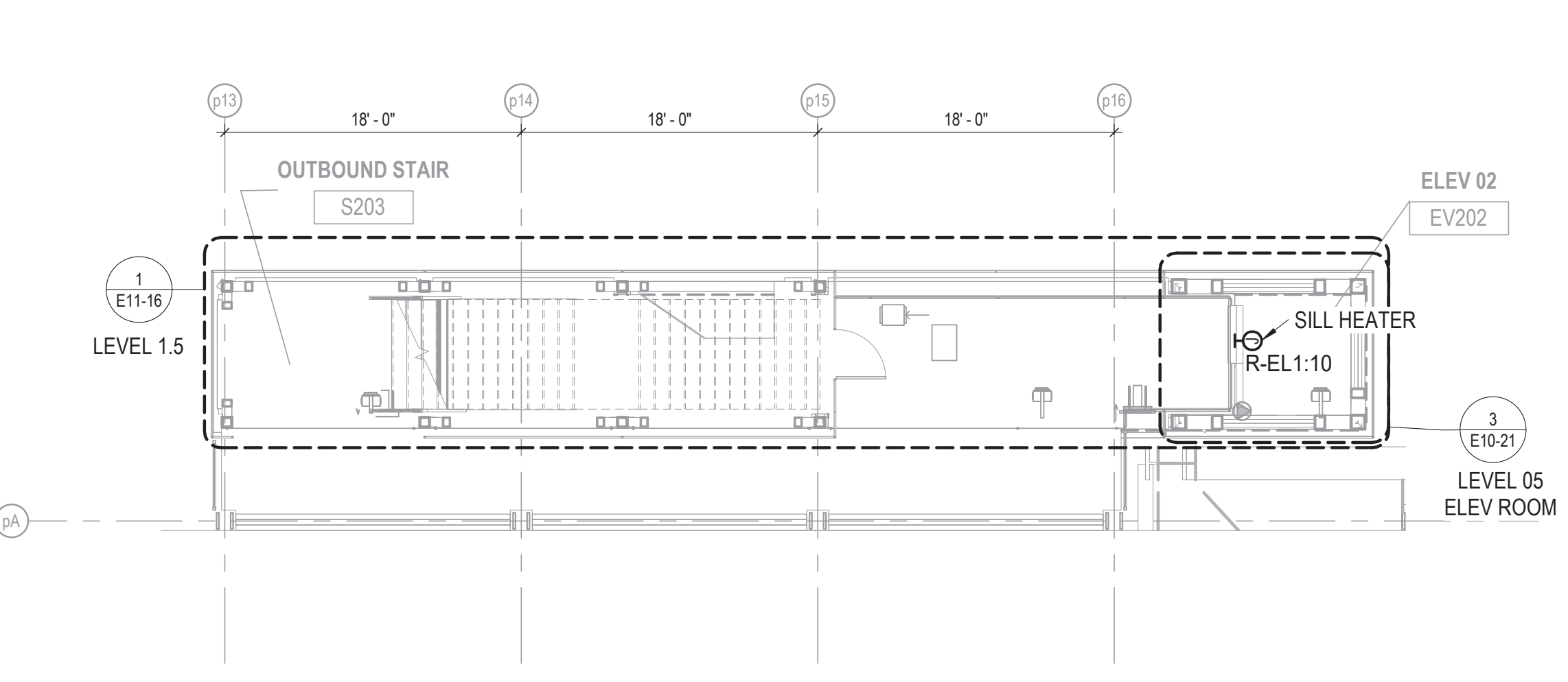
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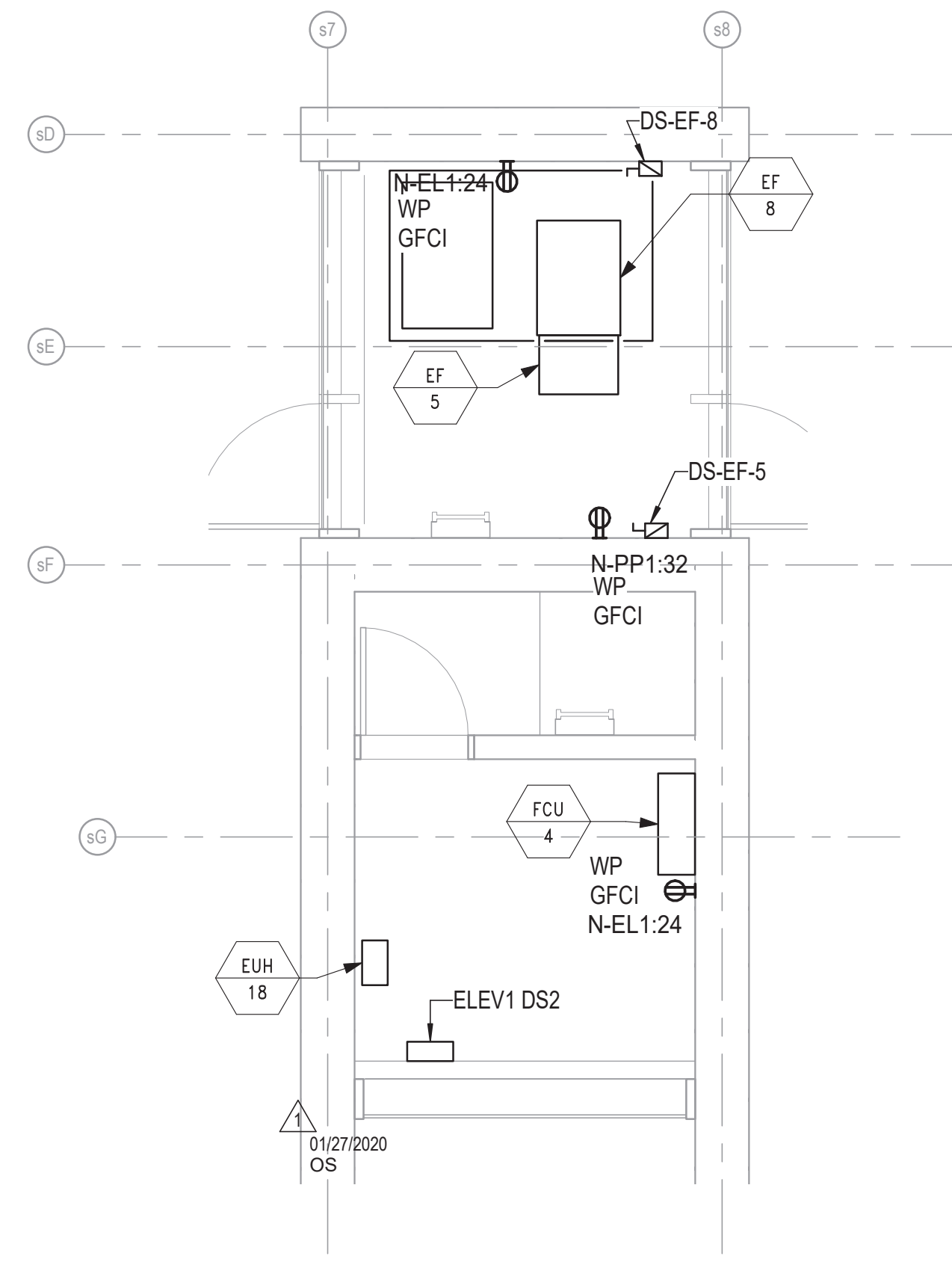
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 01 STATION HOUSE POWER PLAN		DRAWING NO. E10-20
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.



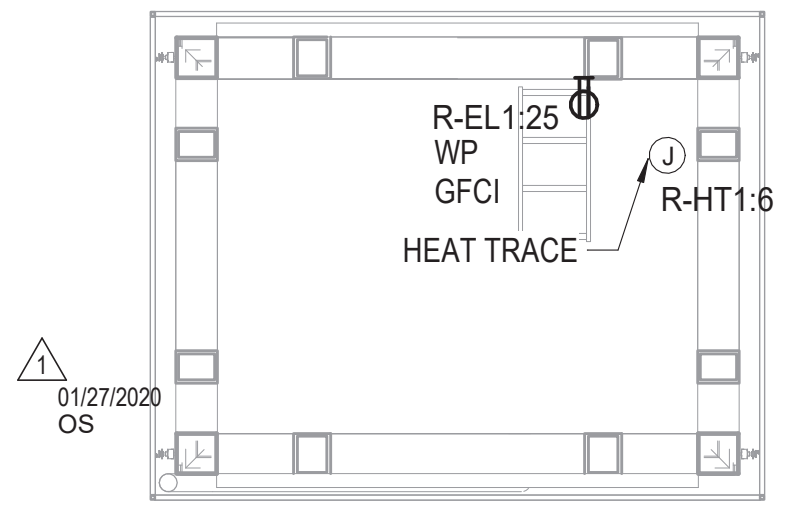
1 LEVEL 02 POWER PLAN
1/8" = 1'-0"



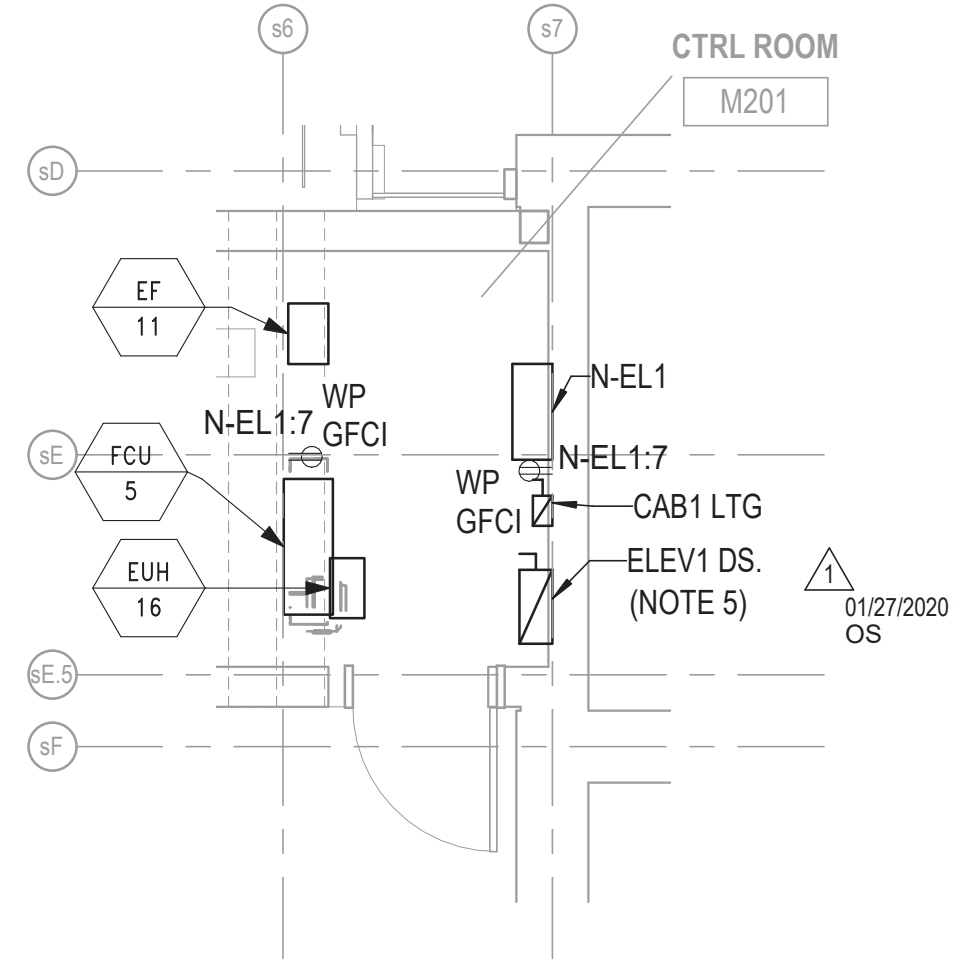
2 LEVEL 02 POWER PLAN NORTH
1/8" = 1'-0"



4 LEVEL 05 ELEVATOR 1 POWER PLAN
1/4" = 1'-0"



3 LEVEL 05 ELEVATOR 2 POWER PLAN
1/4" = 1'-0"

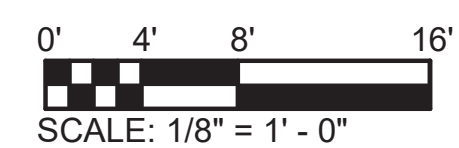
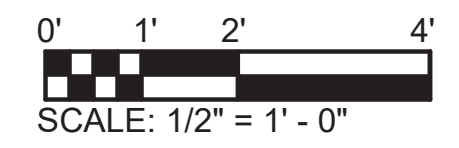


5 LEVEL 02 ELEVATOR 1 CONTROL ROOM POWER PLAN
1/4" = 1'-0"

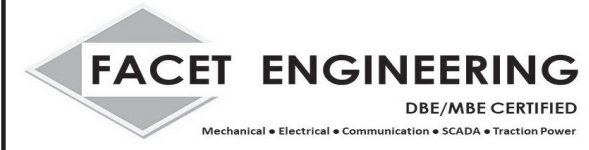
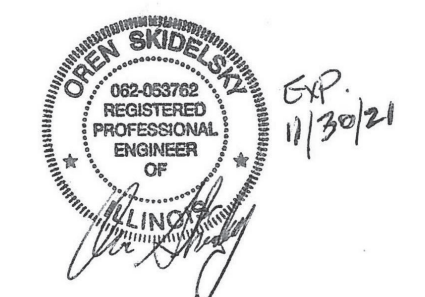
NOTES:

- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
- REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
- REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
- REFER TO DRAWING E60-01 ELECTRICAL SINGLE LINE DIAGRAM FOR CABLE AND CONDUIT REQUIREMENTS.

FURNISH AND INSTALL 100A, 250V RATED, 3PH, NEMA 4X, LOCKABLE EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CHICAGO ELECTRICAL CODE REQUIREMENTS. INCLUDE NAMEPLATE ON EACH DISCONNECT SWITCH WHICH STATES ID, VOLTAGE, PHASE, AMPERES AND NEMA TYPE.



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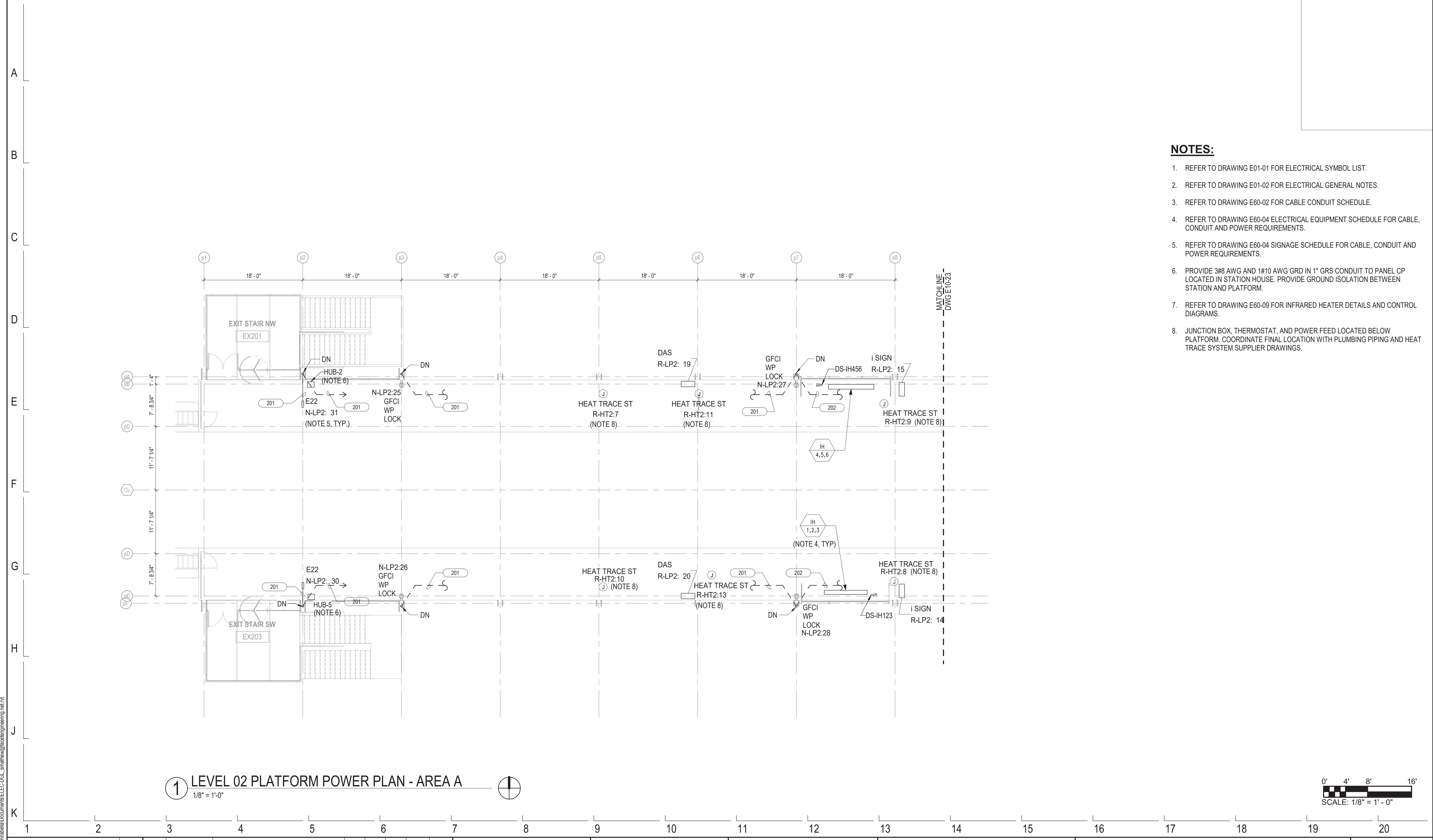


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 02 AND LEVEL 05 POWER PLANS		DRAWING NO. E10-21
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

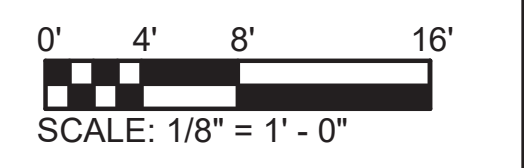
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NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
4. REFER TO DRAWING E60-04 ELECTRICAL EQUIPMENT SCHEDULE FOR CABLE, CONDUIT AND POWER REQUIREMENTS.
5. REFER TO DRAWING E60-04 SIGNAGE SCHEDULE FOR CABLE, CONDUIT AND POWER REQUIREMENTS.
6. PROVIDE 3#8 AWG AND 1#10 AWG GRD IN 1" GRS CONDUIT TO PANEL CP LOCATED IN STATION HOUSE. PROVIDE GROUND ISOLATION BETWEEN STATION AND PLATFORM.
7. REFER TO DRAWING E60-09 FOR INFRARED HEATER DETAILS AND CONTROL DIAGRAMS.
8. JUNCTION BOX, THERMOSTAT, AND POWER FEED LOCATED BELOW PLATFORM. COORDINATE FINAL LOCATION WITH PLUMBING PIPING AND HEAT TRACE SYSTEM SUPPLIER DRAWINGS.

1 LEVEL 02 PLATFORM POWER PLAN - AREA A
1/8" = 1'-0"



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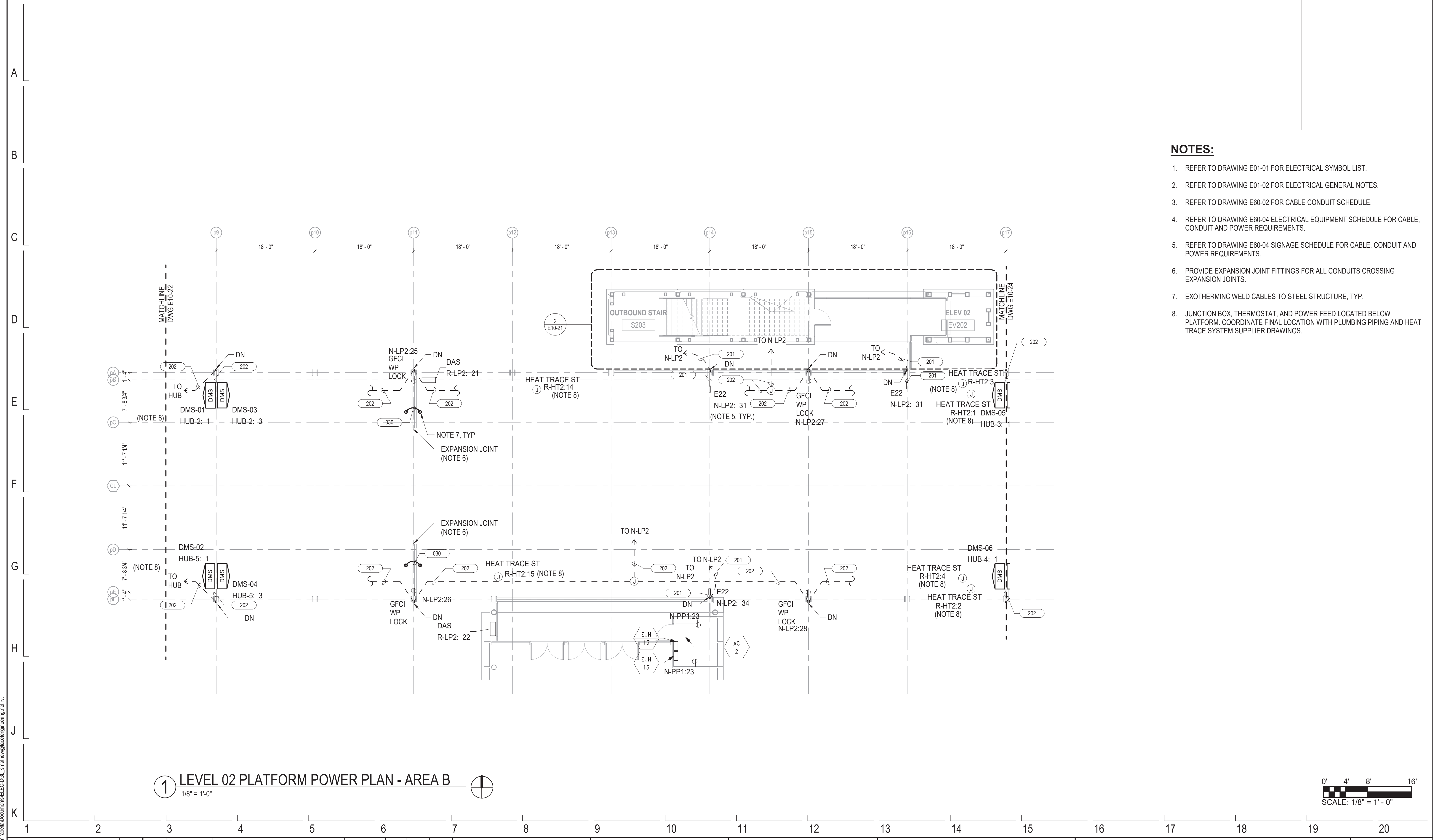


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 02 PLATFORM POWER PLAN - AREA A		DRAWING NO. E10-22
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

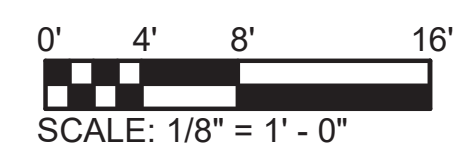
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NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
4. REFER TO DRAWING E60-04 ELECTRICAL EQUIPMENT SCHEDULE FOR CABLE, CONDUIT AND POWER REQUIREMENTS.
5. REFER TO DRAWING E60-04 SIGNAGE SCHEDULE FOR CABLE, CONDUIT AND POWER REQUIREMENTS.
6. PROVIDE EXPANSION JOINT FITTINGS FOR ALL CONDUITS CROSSING EXPANSION JOINTS.
7. EXOTHERMIC WELD CABLES TO STEEL STRUCTURE, TYP.
8. JUNCTION BOX, THERMOSTAT, AND POWER FEED LOCATED BELOW PLATFORM. COORDINATE FINAL LOCATION WITH PLUMBING PIPING AND HEAT TRACE SYSTEM SUPPLIER DRAWINGS.

1 LEVEL 02 PLATFORM POWER PLAN - AREA B
1/8" = 1'-0"



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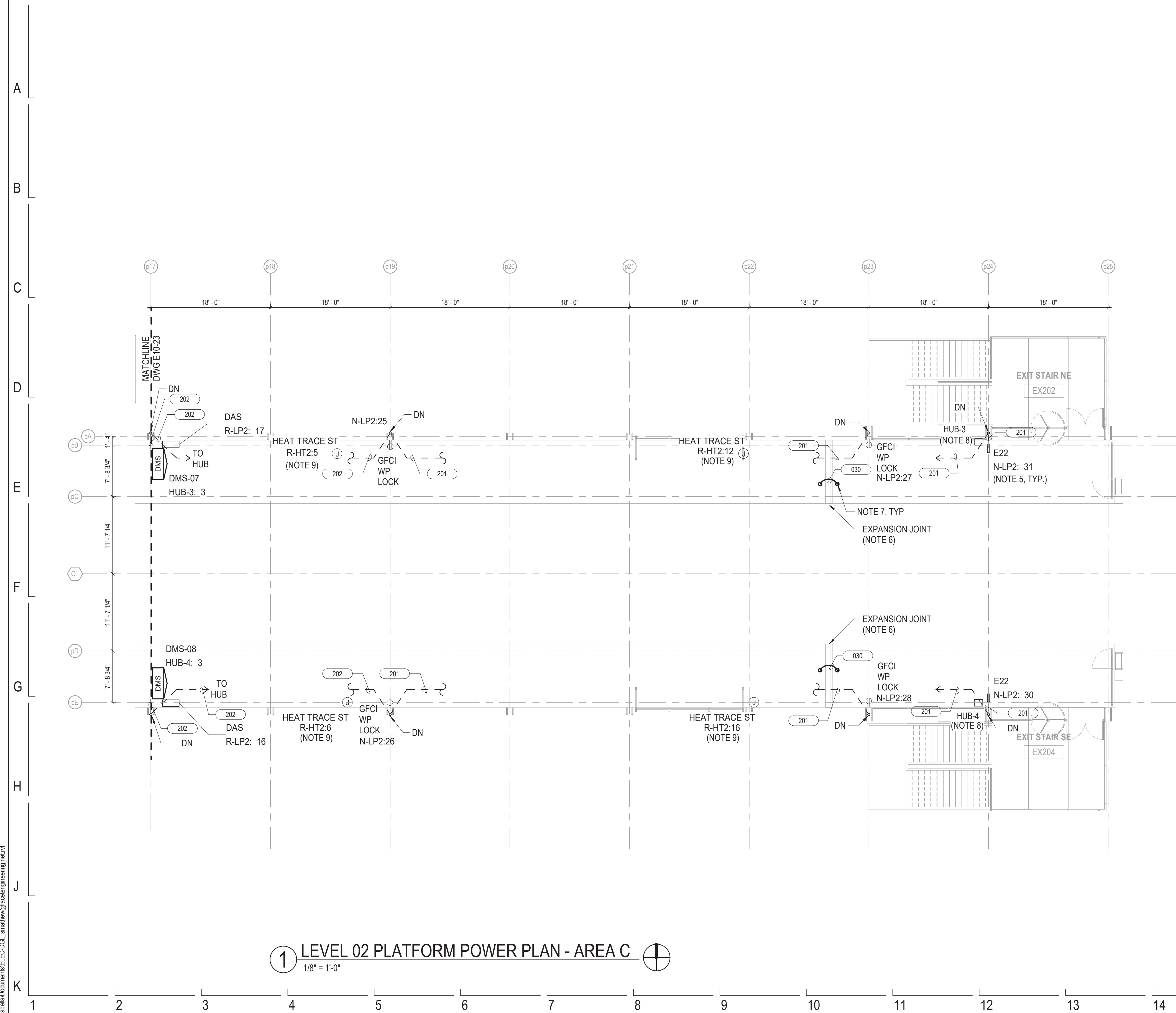


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 02 PLATFORM POWER PLAN - AREA B		DRAWING NO. E10-23
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

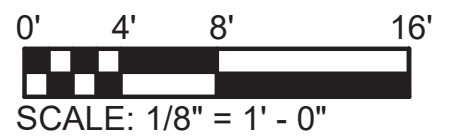
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NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
4. REFER TO DRAWING E60-04 ELECTRICAL EQUIPMENT SCHEDULE FOR CABLE, CONDUIT AND POWER REQUIREMENTS.
5. REFER TO DRAWING E60-04 SIGNAGE SCHEDULE FOR CABLE, CONDUIT AND POWER REQUIREMENTS.
6. PROVIDE EXPANSION JOINT FITTINGS FOR ALL CONDUITS CROSSING EXPANSION JOINTS.
7. EXOTHERMIC WELD CABLES TO STEEL STRUCTURE, TYP.
8. PROVIDE 3#8 AWG AND 1#10 AWG GRD IN 1" GRS CONDUIT TO PANEL CP LOCATED IN STATION HOUSE. PROVIDE GROUND ISOLATION BETWEEN STATION AND PLATFORM.
9. JUNCTION BOX, THERMOSTAT, AND POWER FEED LOCATED BELOW PLATFORM. COORDINATE FINAL LOCATION WITH PLUMBING PIPING AND HEAT TRACE SYSTEM SUPPLIER DRAWINGS.

1 LEVEL 02 PLATFORM POWER PLAN - AREA C
1/8" = 1'-0"



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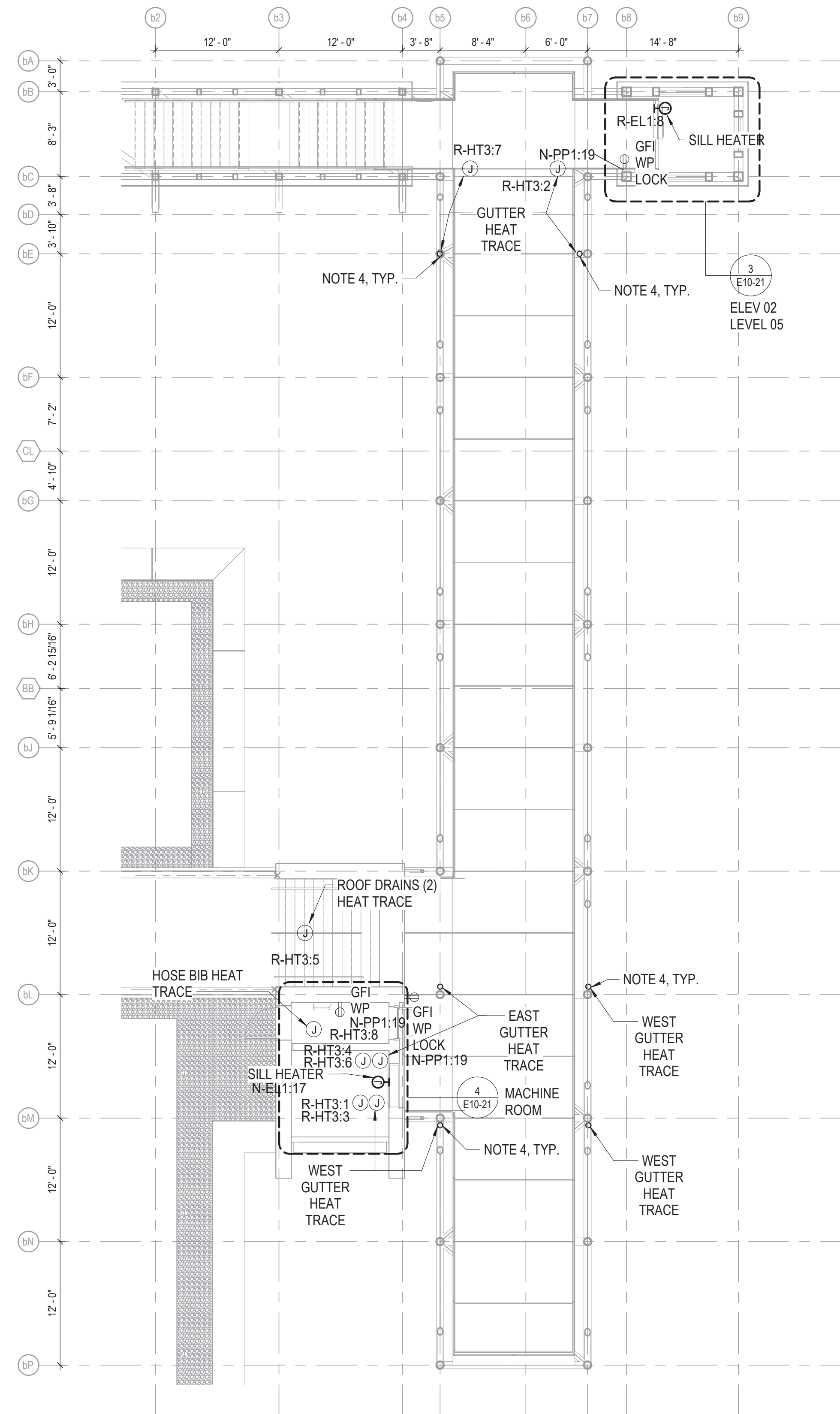


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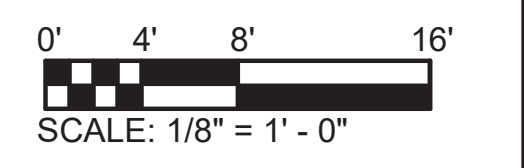
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 02 PLATFORM POWER PLAN - AREA C		DRAWING NO. E10-24
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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1 LEVEL 03 BRIDGE POWER PLAN
1/8" = 1'-0"

- NOTES:**
- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 - REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 - CONDUIT ROUTED OUTSIDE OF DRAIN PIPE FROM BELOW FLOOR UP TO GUTTER, TYPICAL FOR GUTTER HEATING. REFER TO ARCHITECTURAL AND PLUMBING DRAWINGS FOR ADDITIONAL INSTALLATION DETAILS.



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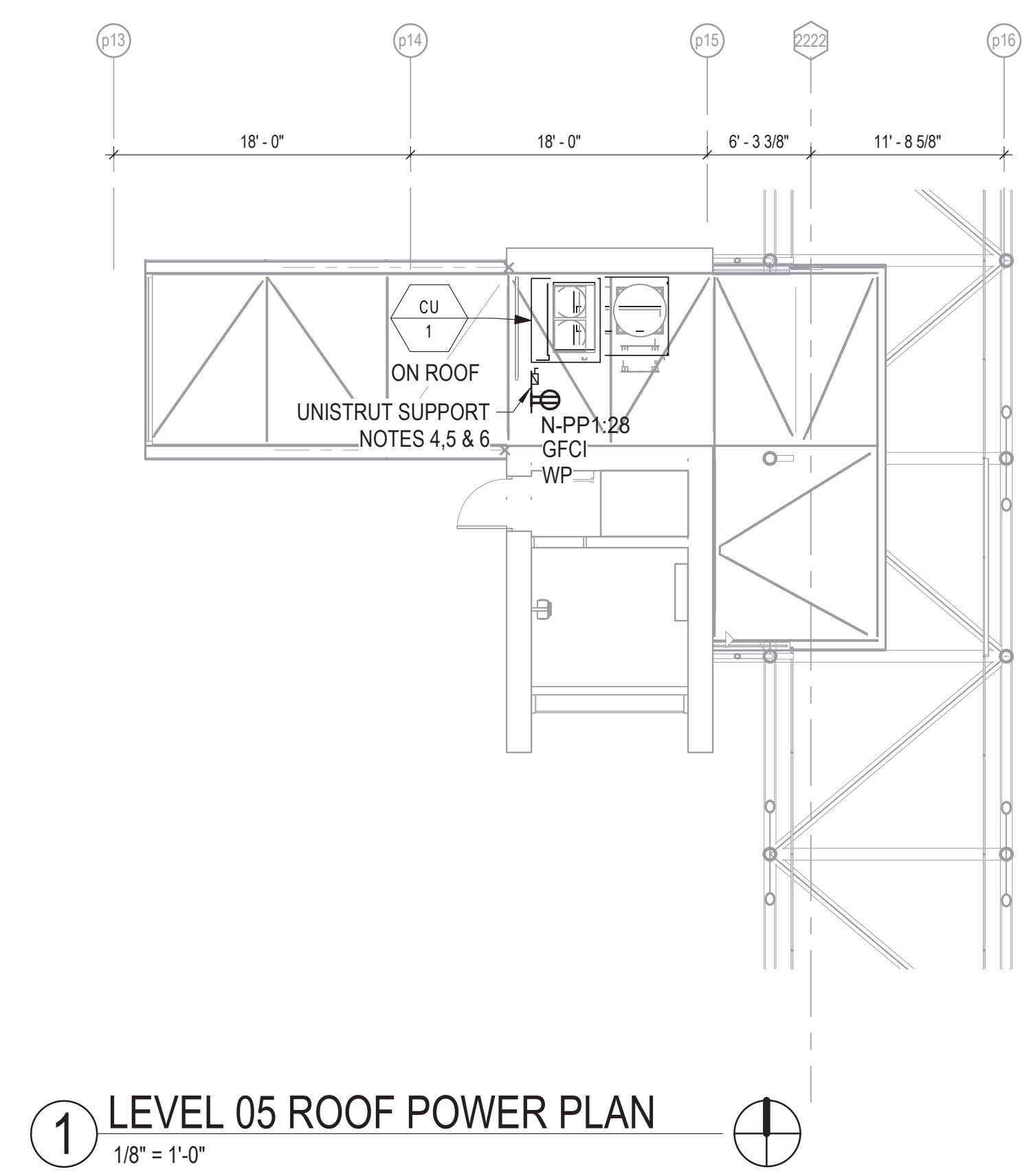
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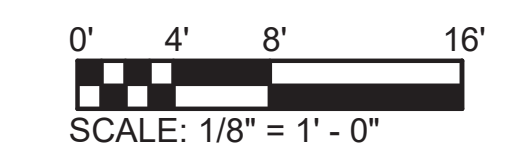
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 03 - BRIDGE POWER PLAN		DRAWING NO. E10-25
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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A
B
C
D
E
F
G
H
J
K



- NOTES:**
- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 - REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 - PROVIDE LOCAL FUSED SAFETY DISCONNECT SWITCH RATED FOR LOAD NEAR ROOF TOP MECHANICAL EQUIPMENT.
 - PROVIDE A CONVENIENCE RECEPTACLE FOR MAINTENANCE PURPOSES ON EACH ROOF EQUIPMENT. RECEPTACLE SHALL BE GFCI TYPE MOUNTED IN WEATHERPROOF BOX. RECEPTACLE SHALL BE ON A SEPARATE CIRCUIT, AS SHOWN.
 - ALL CONDUIT ROUTINGS TO ROOF MOUNTED EQUIPMENT SHALL BE ROUTED BELOW ROOF AND PENETRATE ROOF THRU AN EQUIPMENT CURB ADJACENT TO EQUIPMENT (WITHIN 1' OF EQUIPMENT) OR THRU THE EQUIPMENT CURB.



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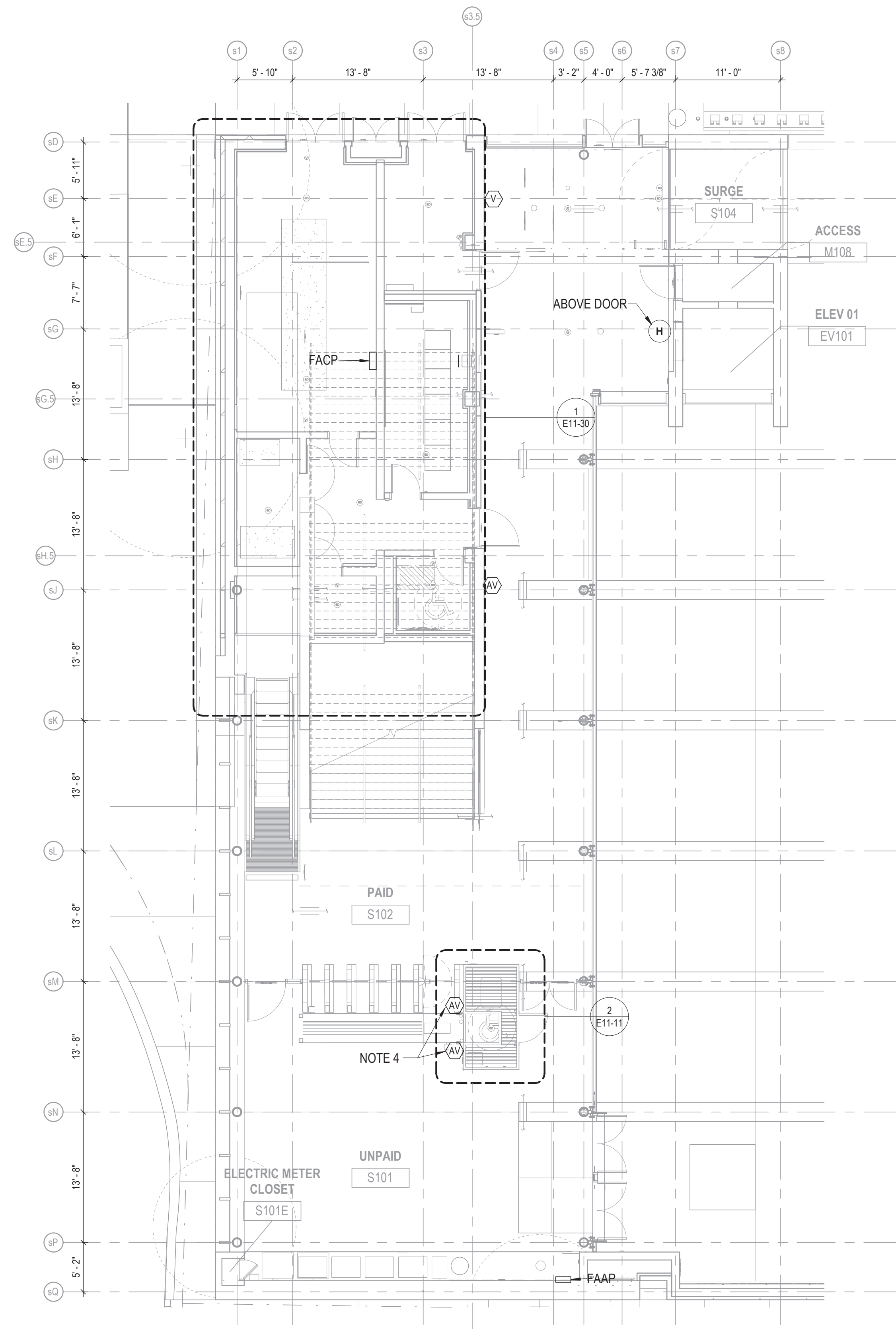


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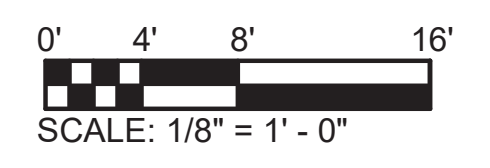
154 N DAMEN AVE - DAMEN GREEN LINE STATION
LEVEL 05 ROOF POWER PLAN
 CDOT PROJECT D-7-135 DATE: 11/01/2019

SPEC. NO.
DRAWING NO. E10-26
REVISION NO.



- NOTES:**
1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 4. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS.

1 STATION HOUSE FIRE ALARM PLAN
 1/8" = 1'-0"



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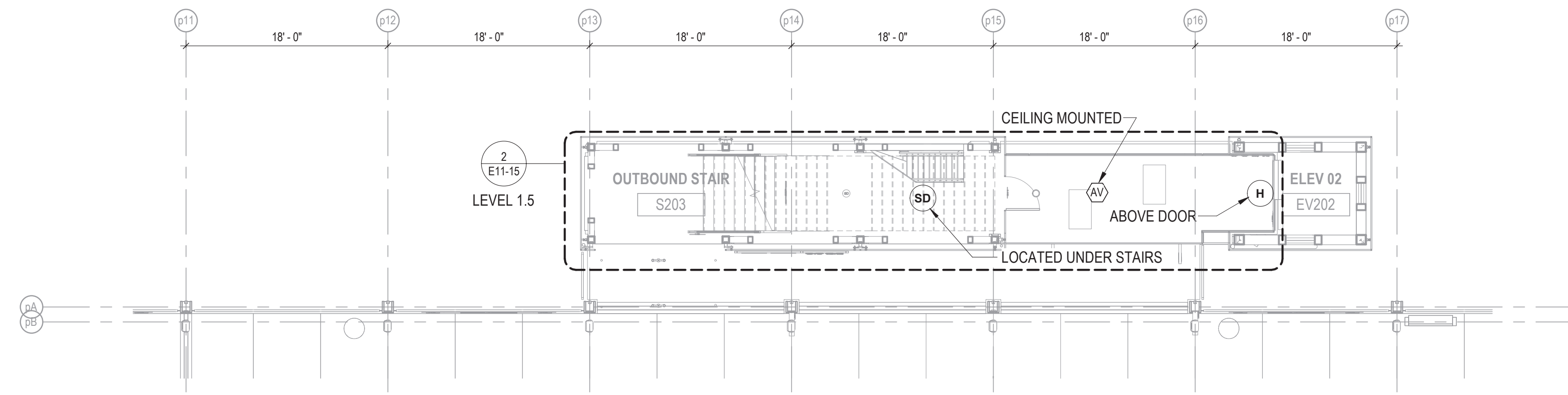


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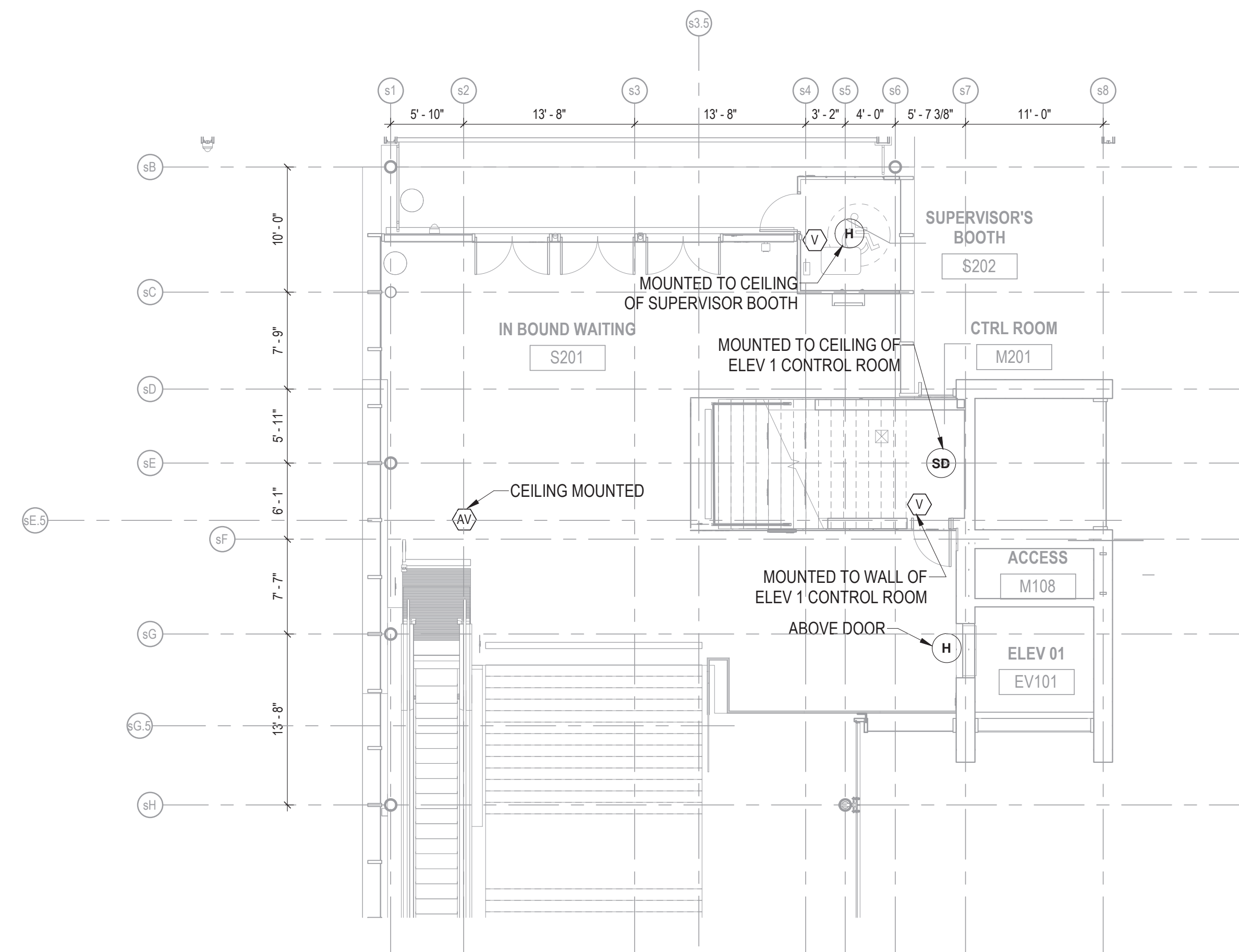


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
STATION HOUSE FIRE ALARM PLAN		DRAWING NO. E10-30
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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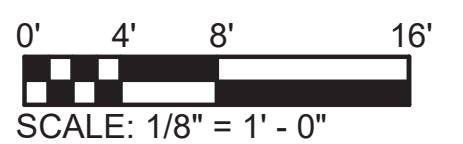
2 LEVEL 02 FIRE ALARM PLAN NORTH
1/8" = 1'-0"



1 LEVEL 02 FIRE ALARM PLAN
1/8" = 1'-0"

NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

LEVEL 02 FIRE ALARM PLAN

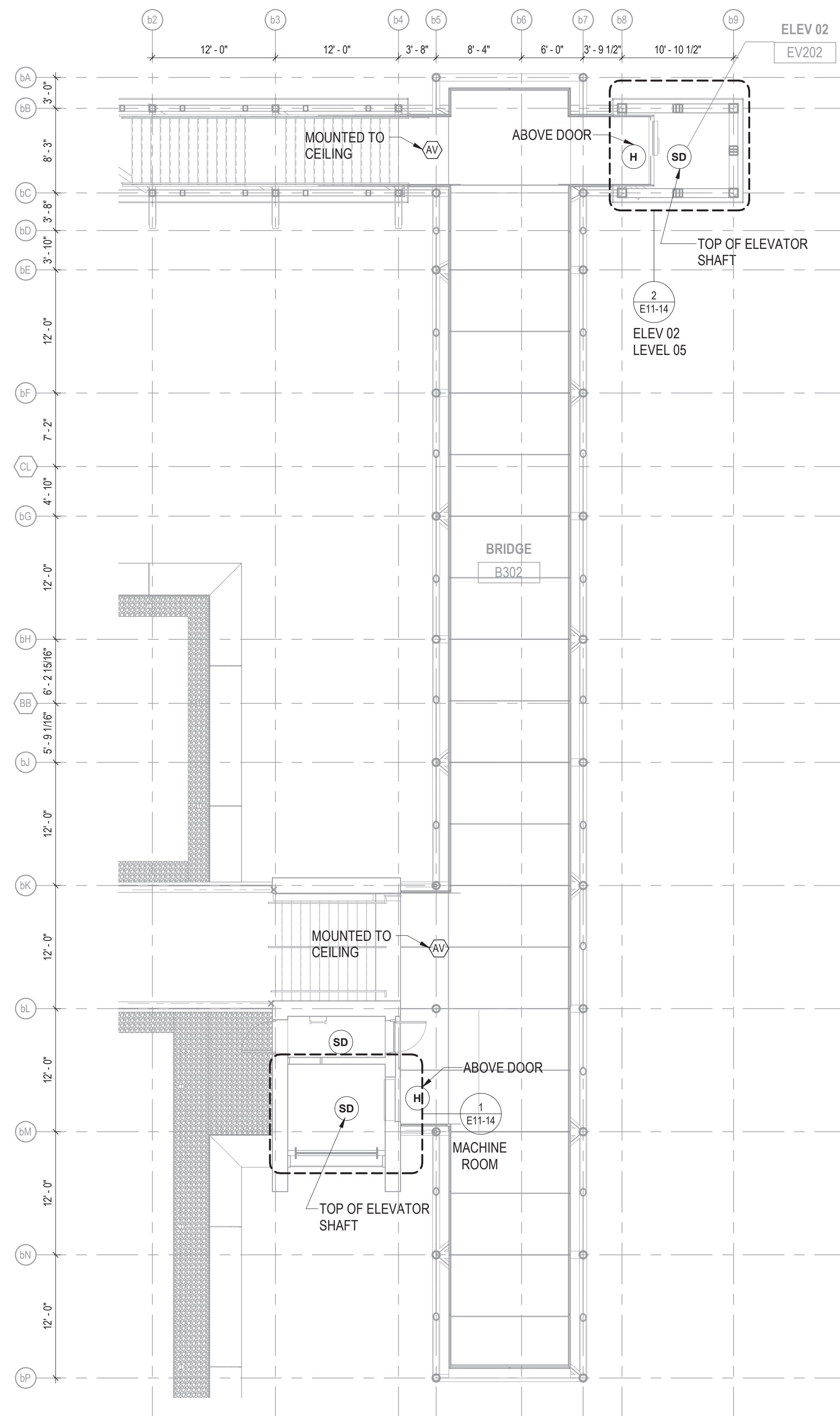
SPEC. NO.

DRAWING NO.
E10-31

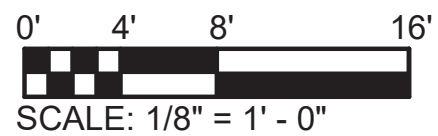
REVISION NO.

CDOT PROJECT D-7-135

DATE: 11/01/2019



1 LEVEL 03 BRIDGE FIRE ALARM PLAN
1/8" = 1'-0"



NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.

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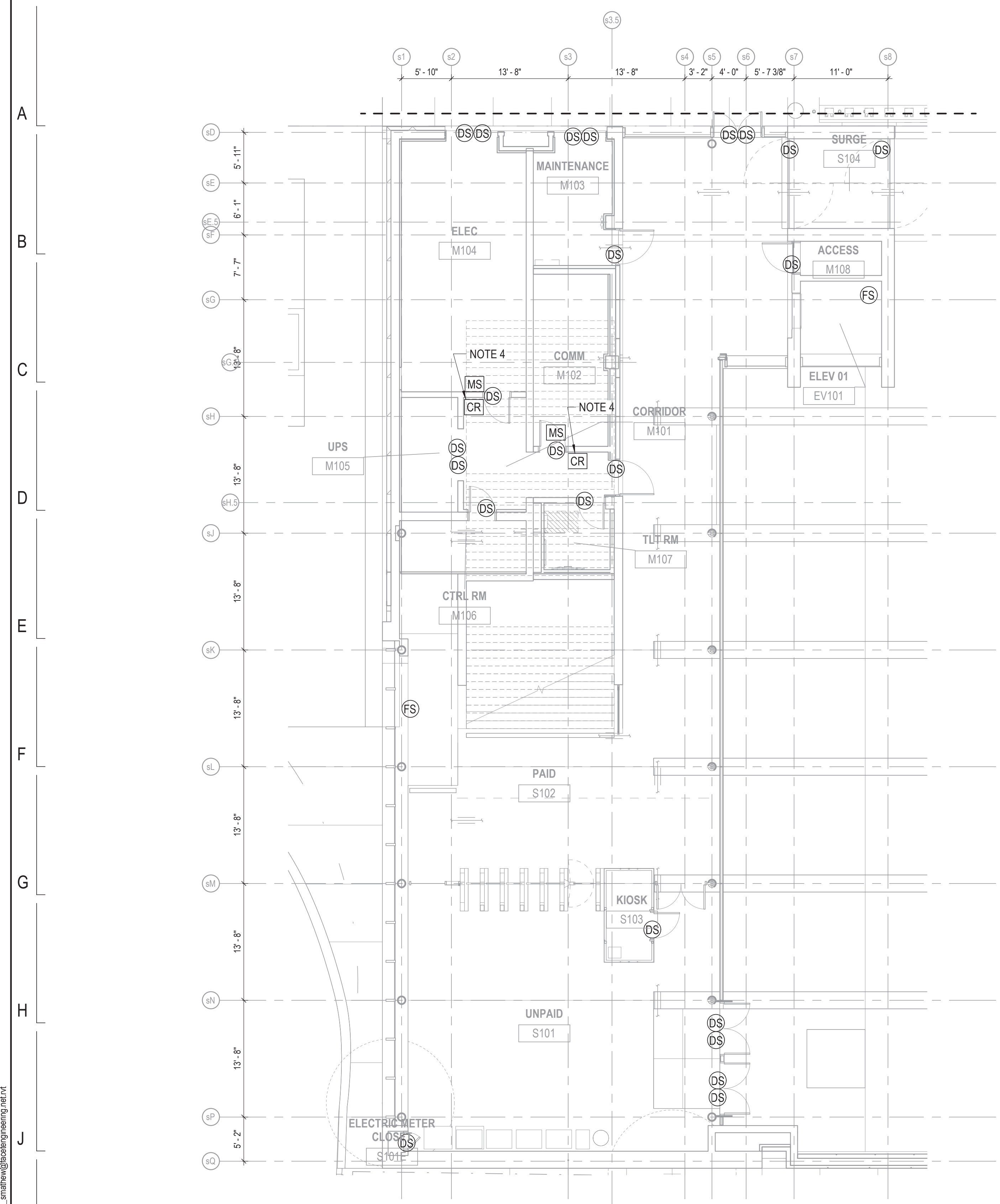
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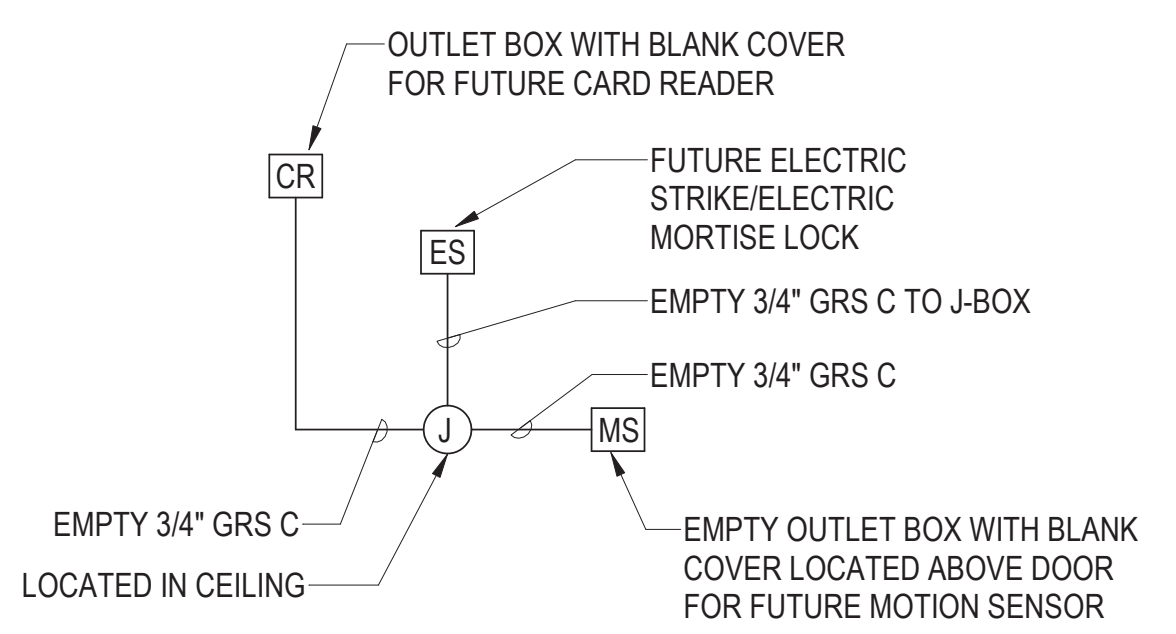
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 03 BRIDGE FIRE ALARM PLAN		DRAWING NO. E10-32
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

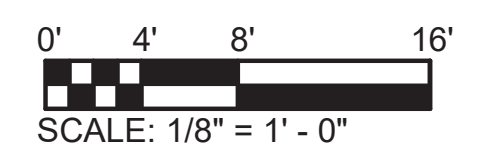


1 STATION HOUSE MONITORING AND ALARM PLAN
1/8" = 1'-0"



2 CARD READER DIAGRAM
1/8" = 1'-0" (NOTE 5)

- NOTES:**
1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 4. REFER TO DETAIL 2 ON THIS DRAWING FOR ADDITIONAL WORK.
 5. REFER TO DRAWING E50-09 FOR ADDITIONAL INSTALLATION REQUIREMENTS.



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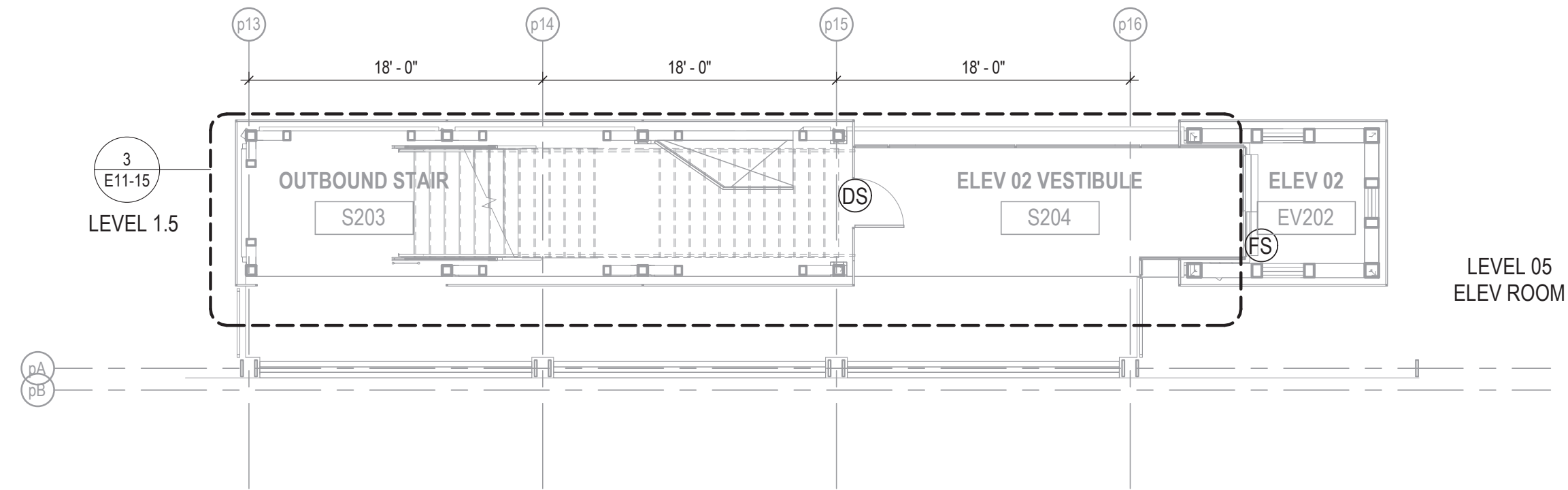


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 01 STATION HOUSE MONITORING AND ALARM PLAN		DRAWING NO. E10-40
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

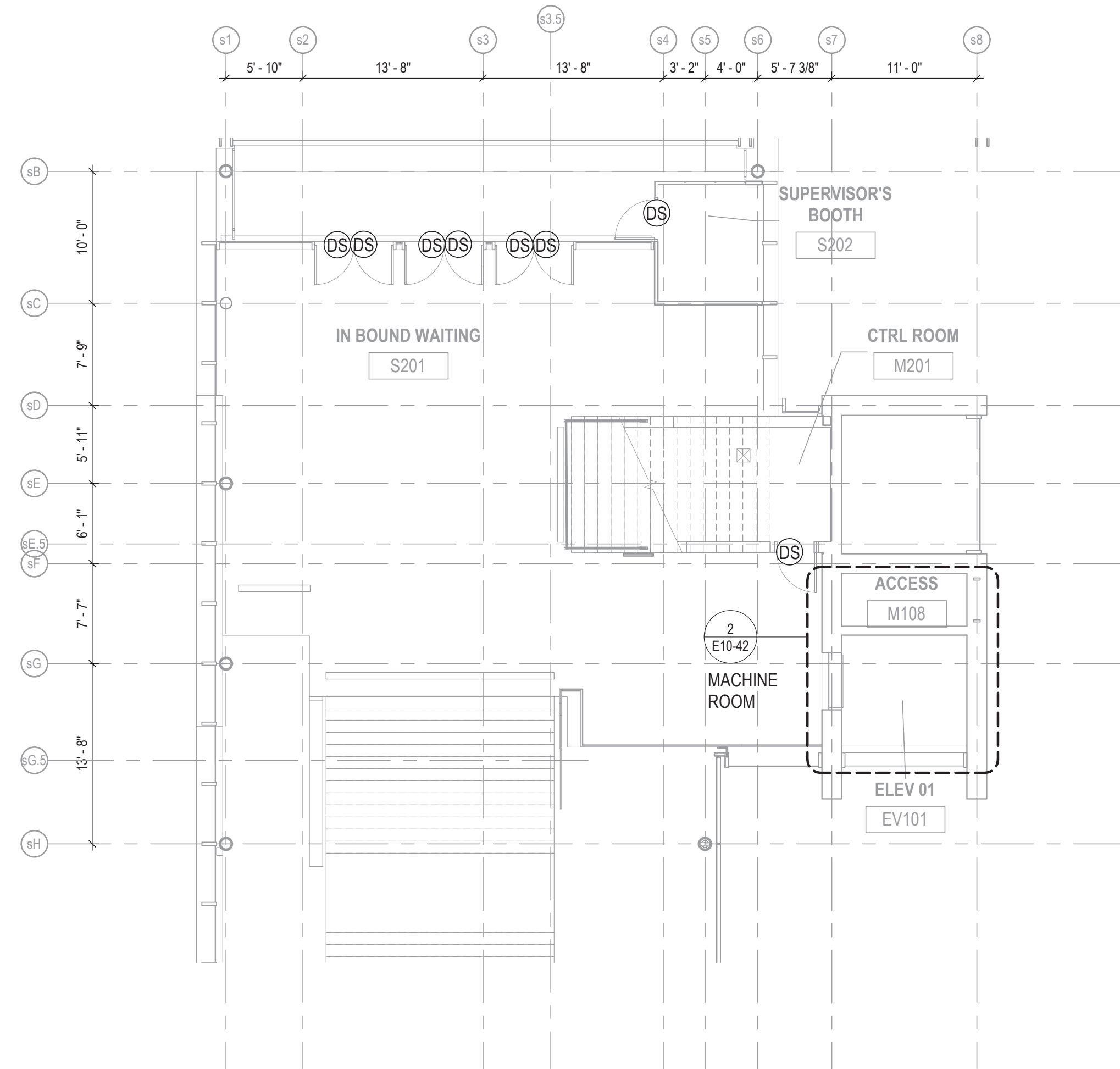
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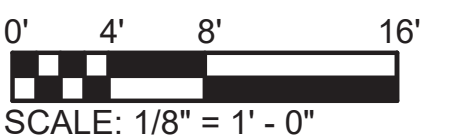
NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
4. REFER TO DETAIL 2 ON DRAWING E-10-40 FOR ADDITIONAL WORK.

1 LEVEL 02 MONITORING AND ALARM PLAN NORTH
1/8" = 1'-0"



2 LEVEL 02 MONITORING AND ALARM PLAN
1/8" = 1'-0"



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

LEVEL 02 MONITORING AND ALARM PLAN

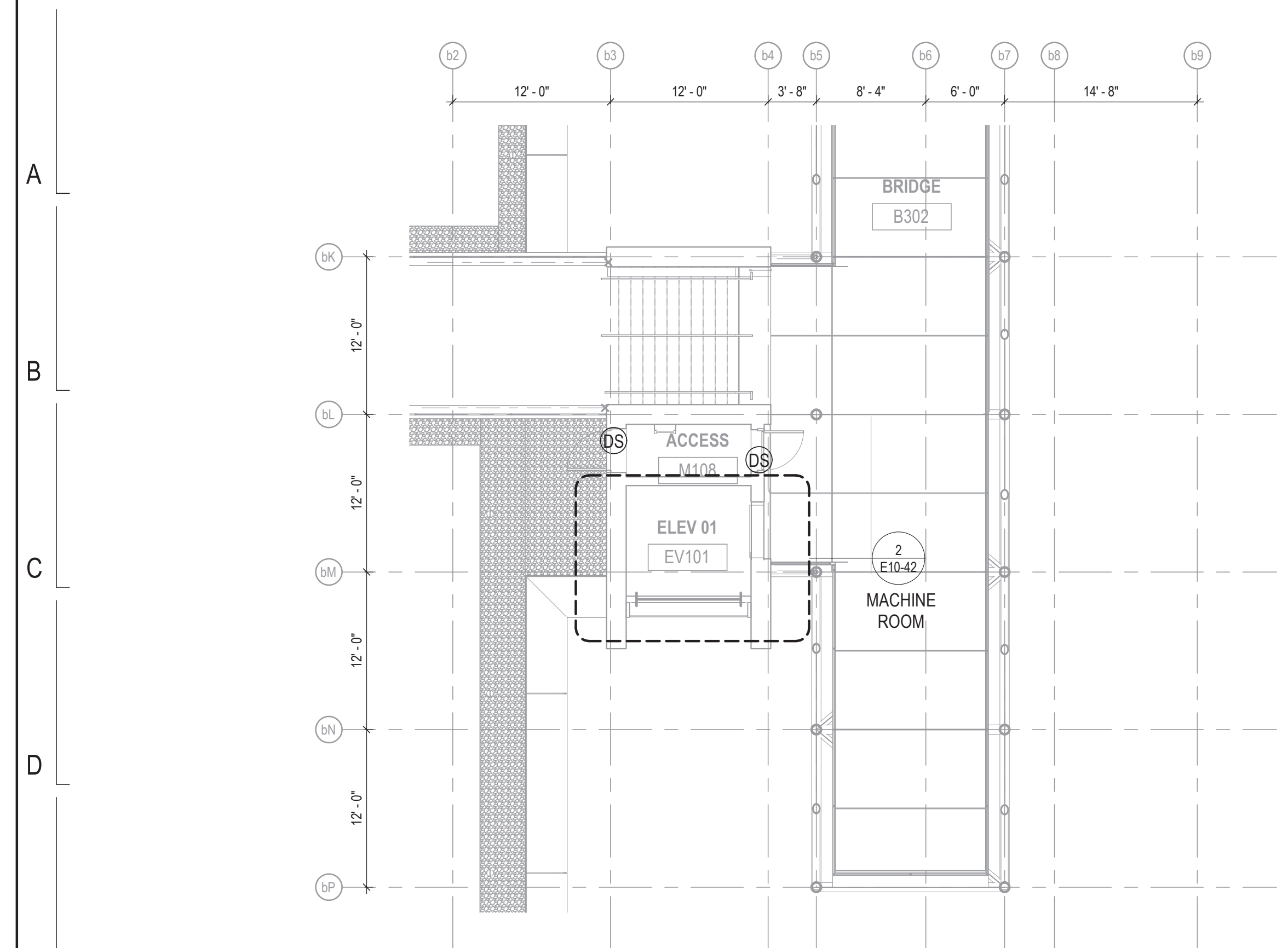
SPEC. NO.

DRAWING NO.
E10-41

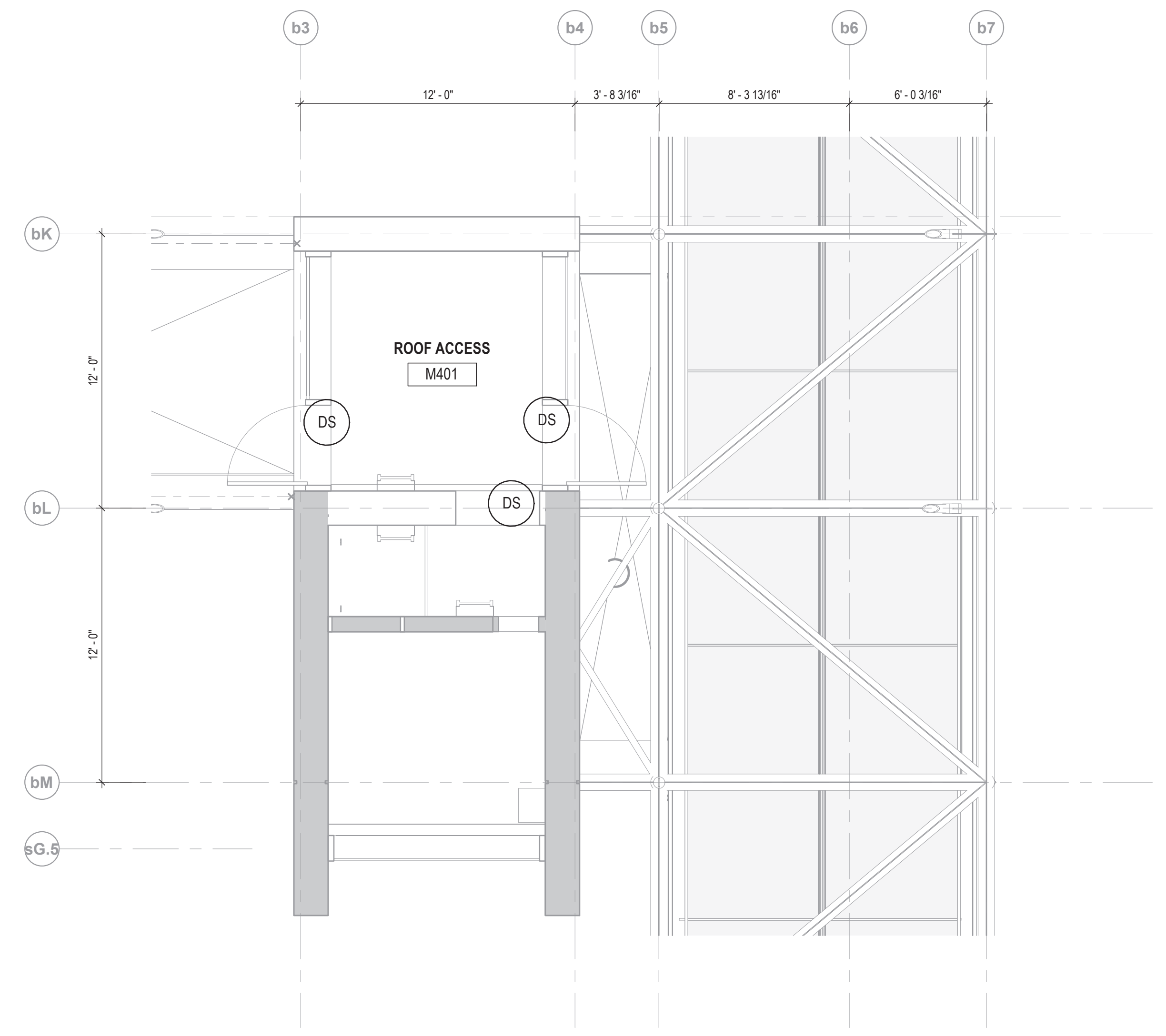
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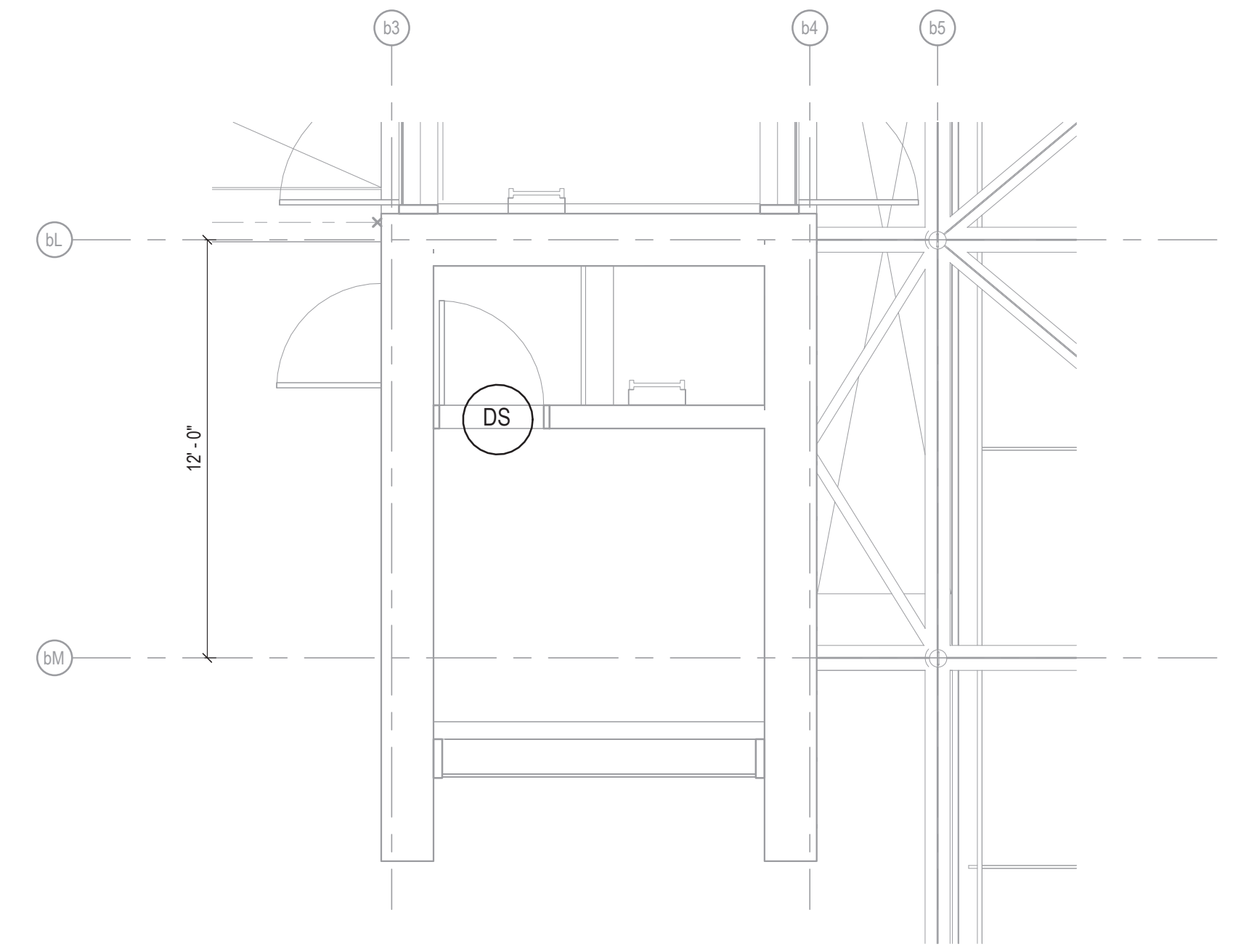
DATE: 11/01/2019



1 LEVEL 03 MONITORING AND ALARM PLAN
1/8" = 1'-0"

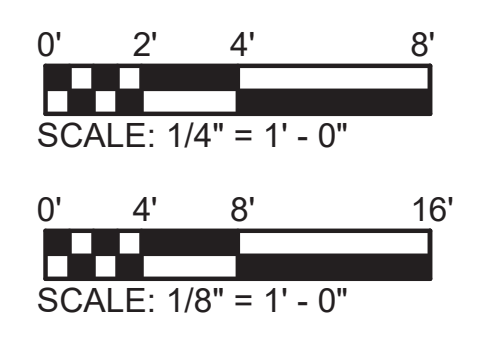


3 LEVEL 04 ROOF ACCESS MONITORING AND ALARM PLAN
1/4" = 1'-0"



2 LEVEL 05 ELEV 1 MONITORING AND ALARM PLAN
1/4" = 1'-0"

- NOTES:**
1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 4. REFER TO DETAIL 2 ON DRAWING E-10-40 FOR ADDITIONAL WORK.



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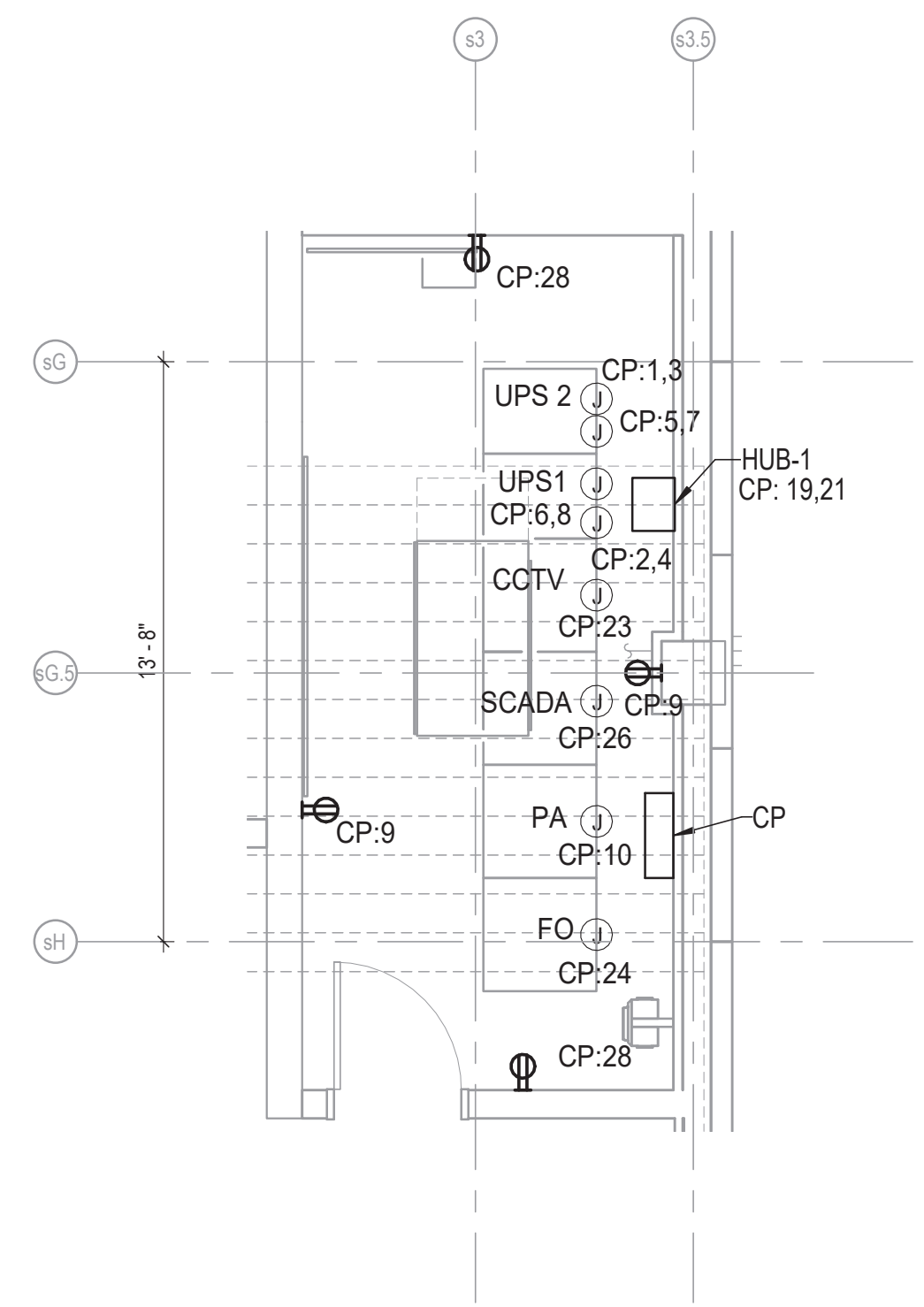
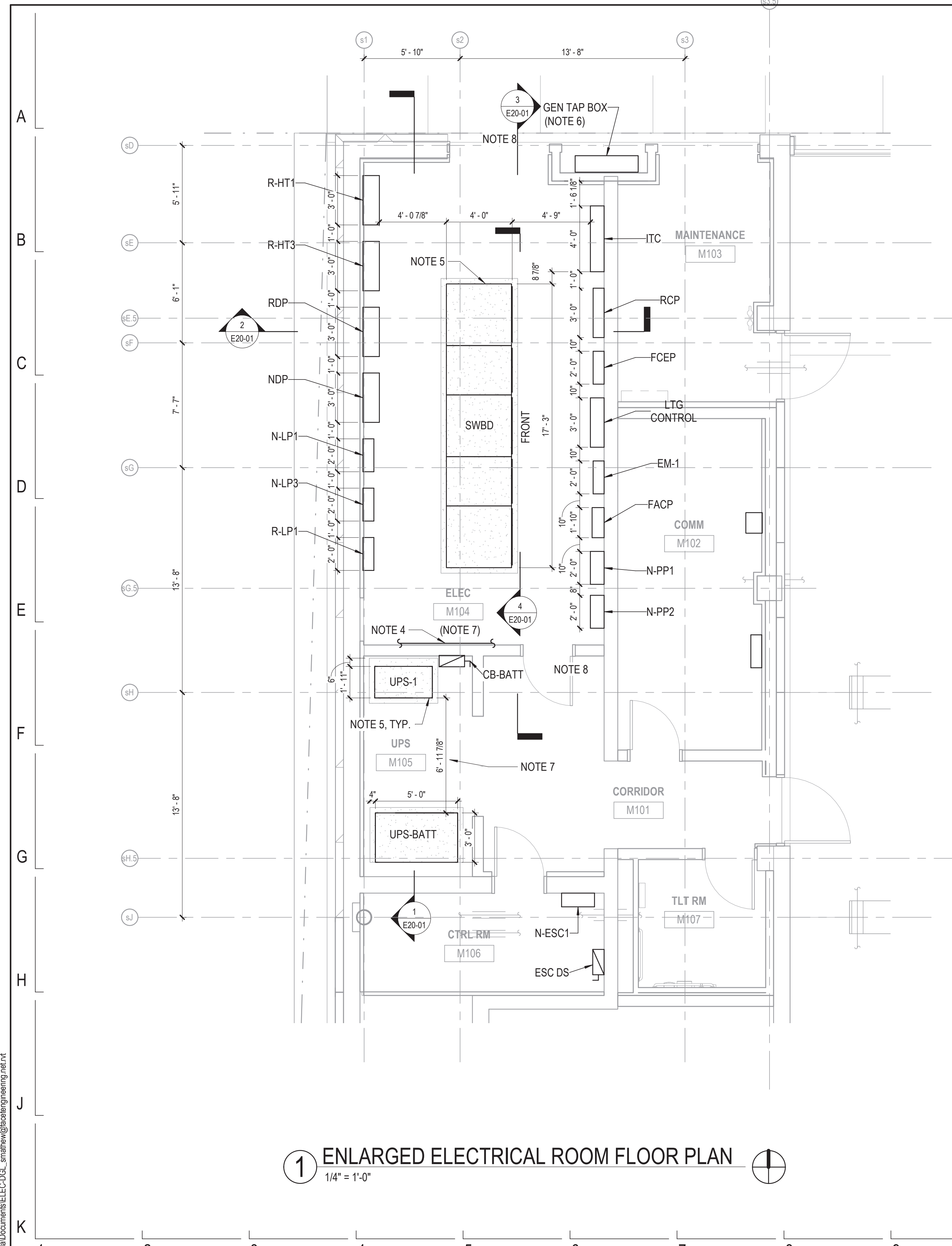


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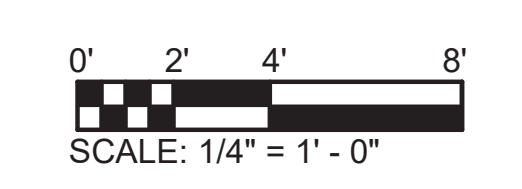


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 03 AND LEVEL 05 MONITORING AND ALARM PLAN		DRAWING NO. E10-42
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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- NOTES:**
- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 - REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 - PROVIDE 1/4" X 2" COPPER GROUND BUS BAR CONTINUOUS AROUND PERIMETER OF ELECTRICAL ROOM. PROVIDE 1-4/0 AWG BARE COPPER WIRE FROM PERIMETER BUS TO GROUND BUS BAR IN NORTH SWITCHBOARD, TO GROUND BUS BAR IN SOUTH SWITCHBOARD, TO MAIN SWITCHBOARD.
 - FLOOR MOUNTED EQUIPMENT SHALL BE PROVIDED WITH 4" HIGH CONCRETE HOUSE KEEPING PAD EXTENDED 4" BEYOND EDGE OF EQUIPMENT ENCLOSURE.
 - REFER TO DRAWING E50-08 FOR DETAILS.
 - PROVIDE CTA SAFETY SIGNAGE ON EACH ENTRANCE DOOR AND EACH PANEL.
 - PROVIDE PANIC DOOR HARDWARE ON MAIN ELECTRICAL ROOM EXIT DOORS.



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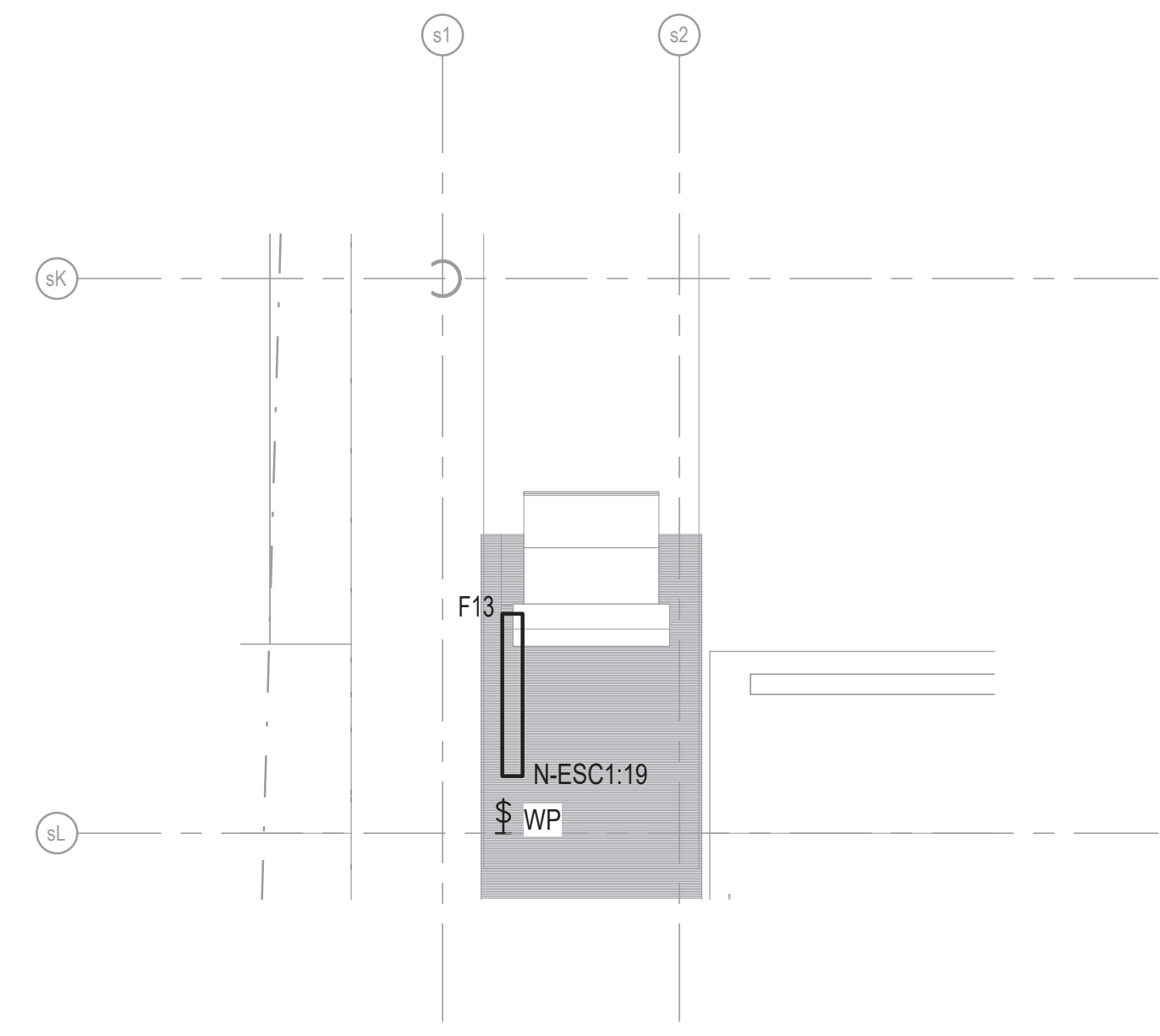
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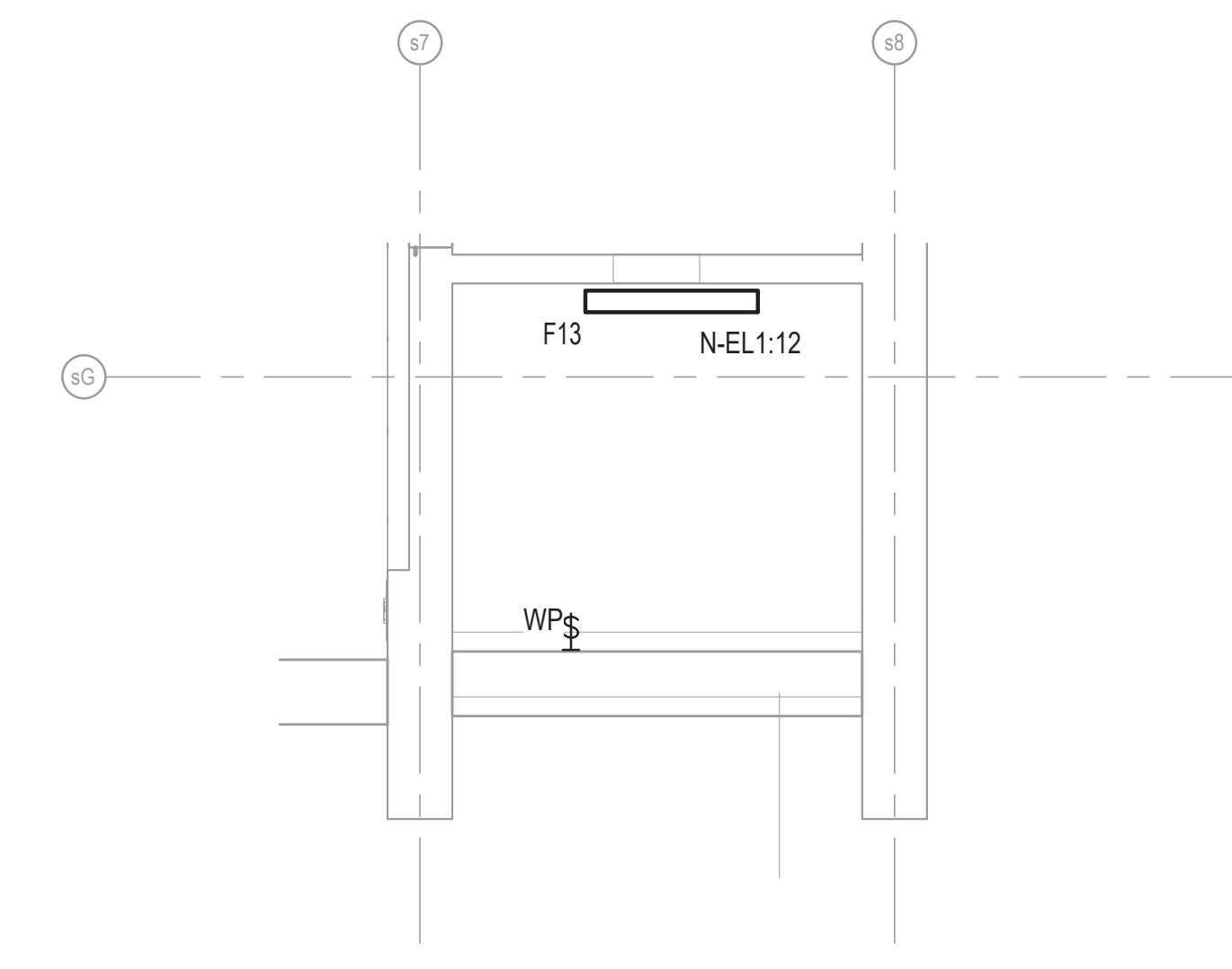
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ENLARGED FLOOR PLAN - ELECTRICAL /UPS/COMMUNICATION ROOMS		DRAWING NO. E11-01
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.



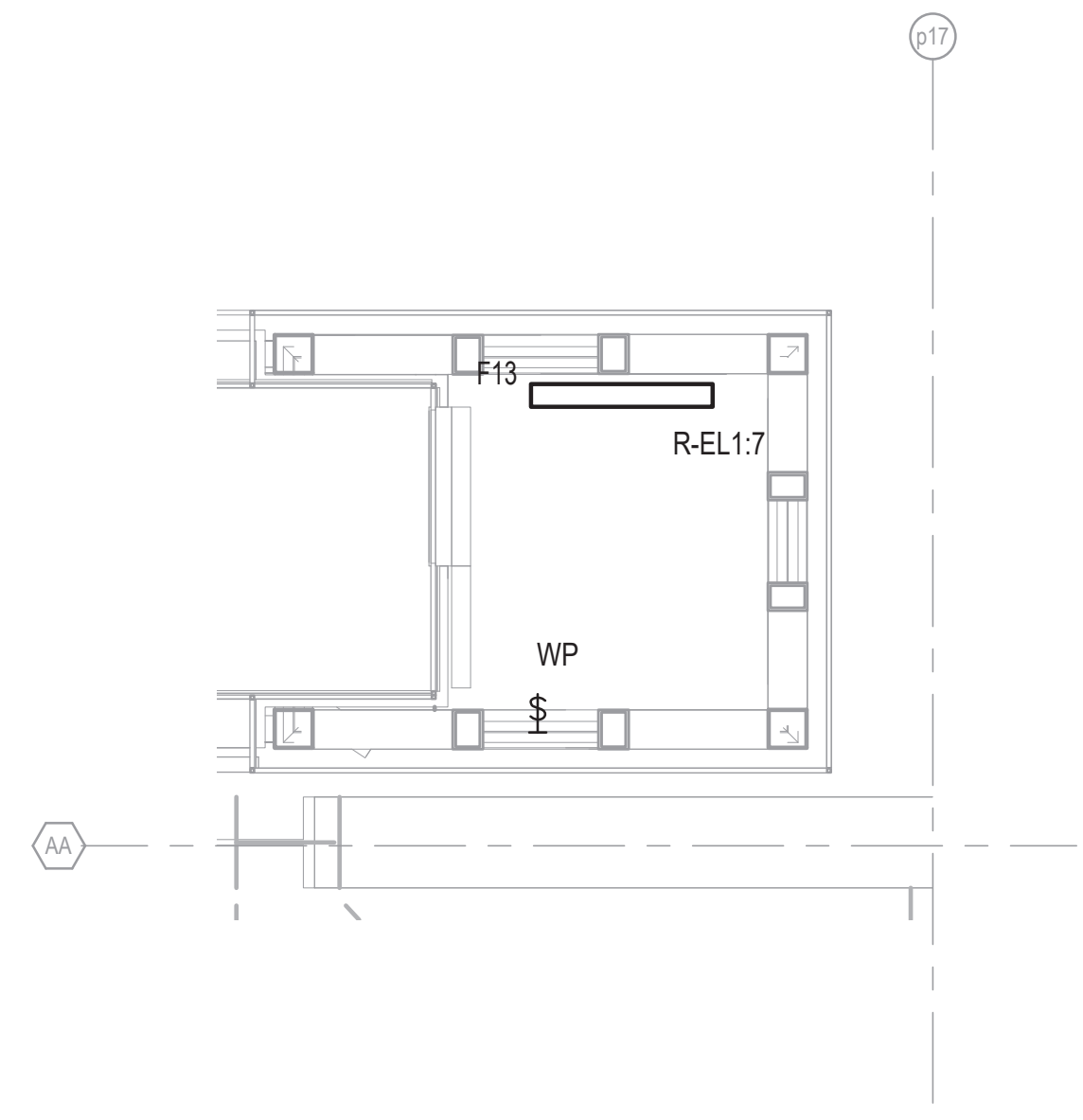
① STATION HOUSE ROOMS LIGHTING PLAN
1/8" = 1'-0"



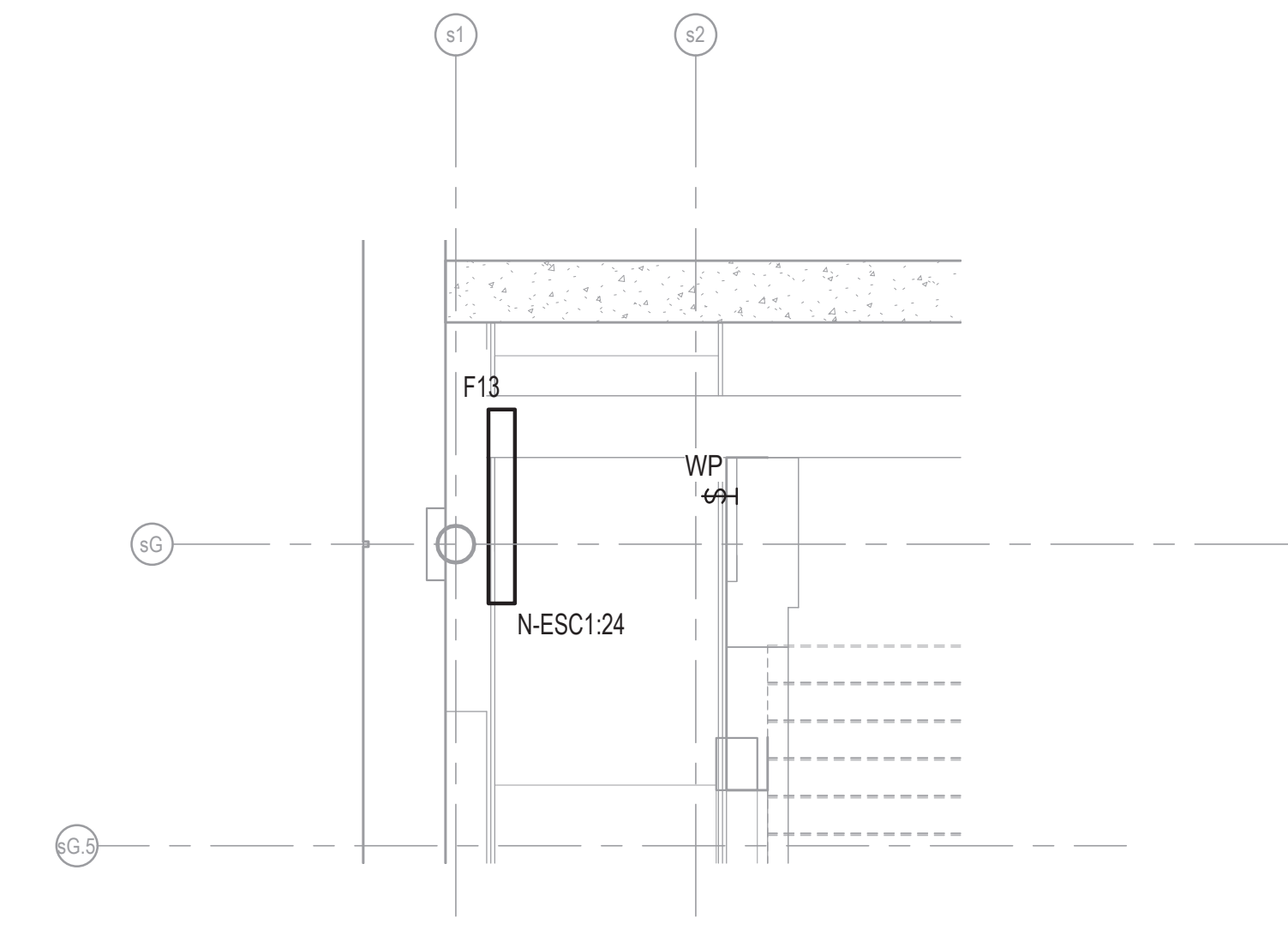
② ESCALATOR LOWER PIT LIGHTING DETAIL
1/4" = 1'-0"



③ ELEVATOR 1 PIT LIGHTING DETAIL
1/4" = 1'-0"

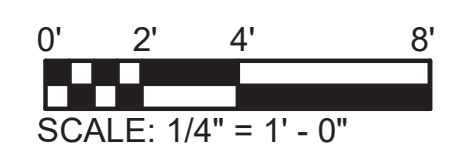


④ ELEVATOR 2 PIT LIGHTING DETAIL
1/4" = 1'-0"



⑤ LEVEL 02 ESCALATOR UPPER PIT LIGHTING
1/4" = 1'-0"

- NOTES:**
- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 - REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 - REFER TO DRAWING E60-05 FOR LIGHTING FIXTURE SCHEDULE.
 - REFER TO DRAWINGS E60-10 THRU E60-14 FOR PANEL SCHEDULES.



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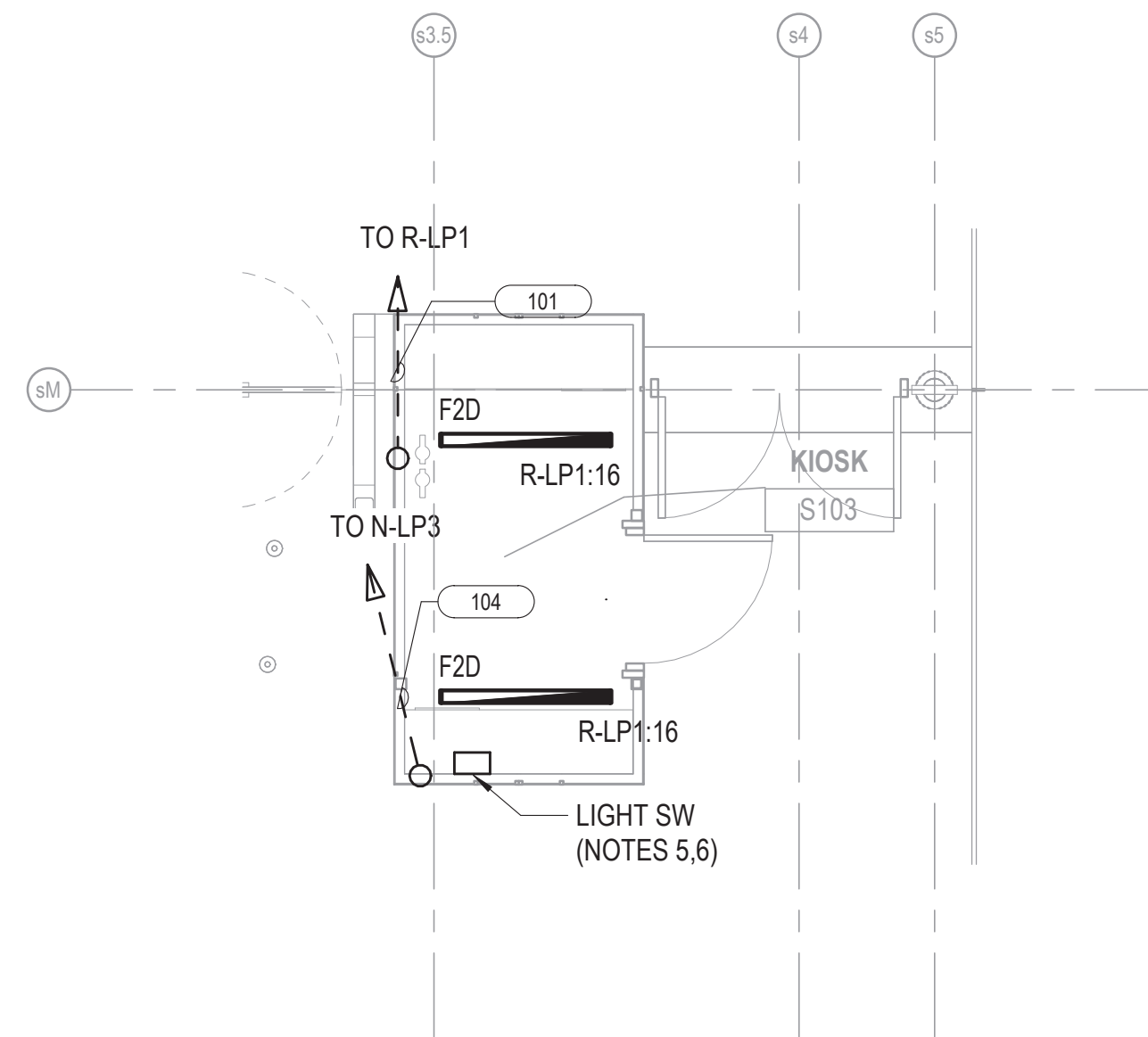


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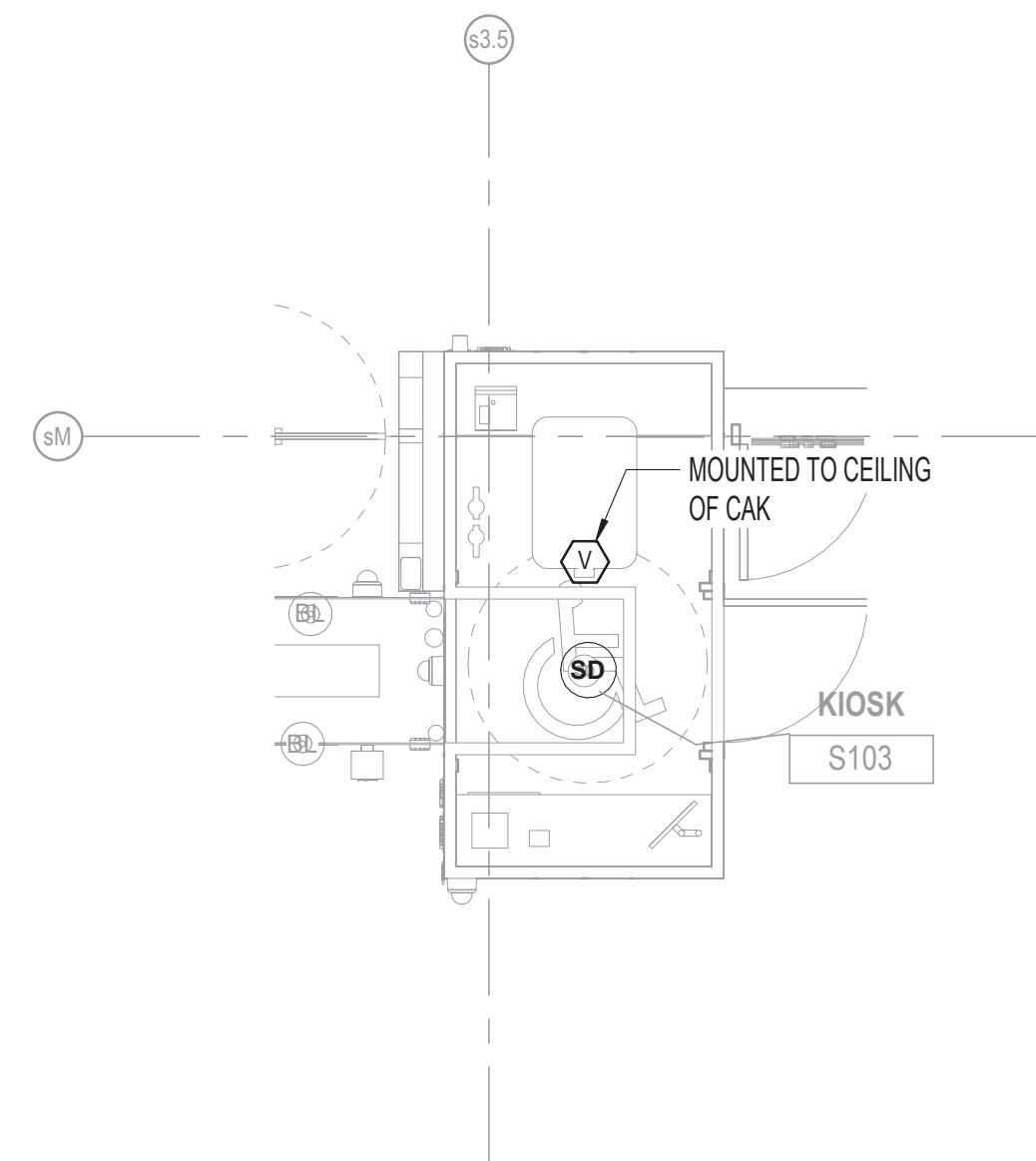


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ENLARGED STATION HOUSE ROOM LIGHTING PLAN		DRAWING NO. E11-10
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

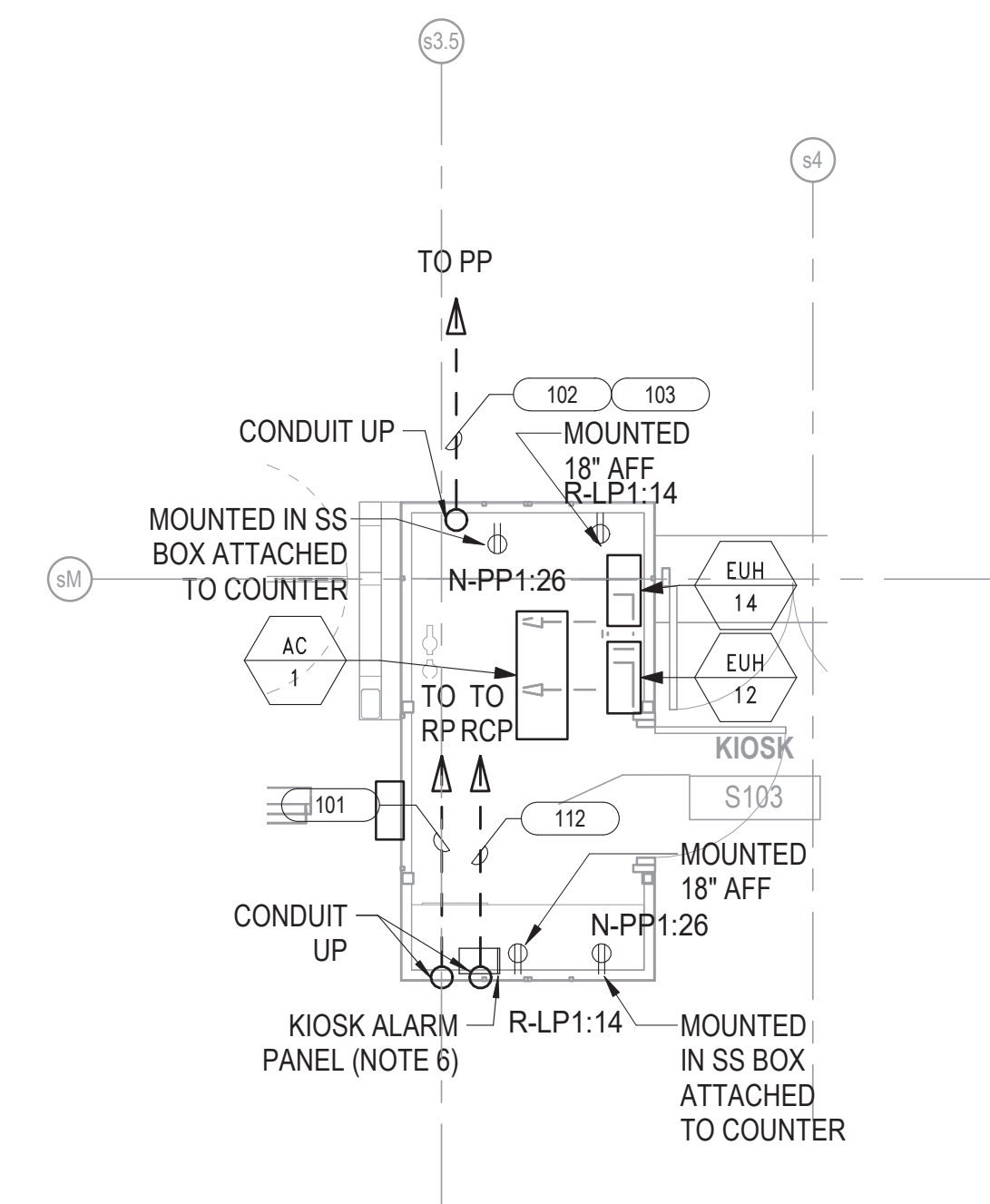
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1 CAK LIGHTING PLAN
1/4" = 1'-0"



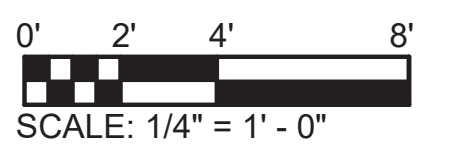
2 CAK FIRE ALARM PLAN
1/4" = 1'-0"



3 CAK POWER PLAN
1/4" = 1'-0" (NOTE 7)

NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
4. REFER TO DRAWING E60-05 FOR LIGHTING FIXTURE SCHEDULE.
5. KIOSK LIGHT SWITCH LOCATED ON KIOSK ALARM PANEL.
6. REFER TO DRAWING E50-06 FOR KIOSK ALARM PANEL DETAILS.
7. REFER TO DRAWING E10-20 FOR ADDITIONAL KIOSK POWER REQUIREMENTS.



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154 N DAMEN AVE - DAMEN GREEN LINE STATION

ENLARGED CAK PLANS

SPEC. NO.

DRAWING NO.

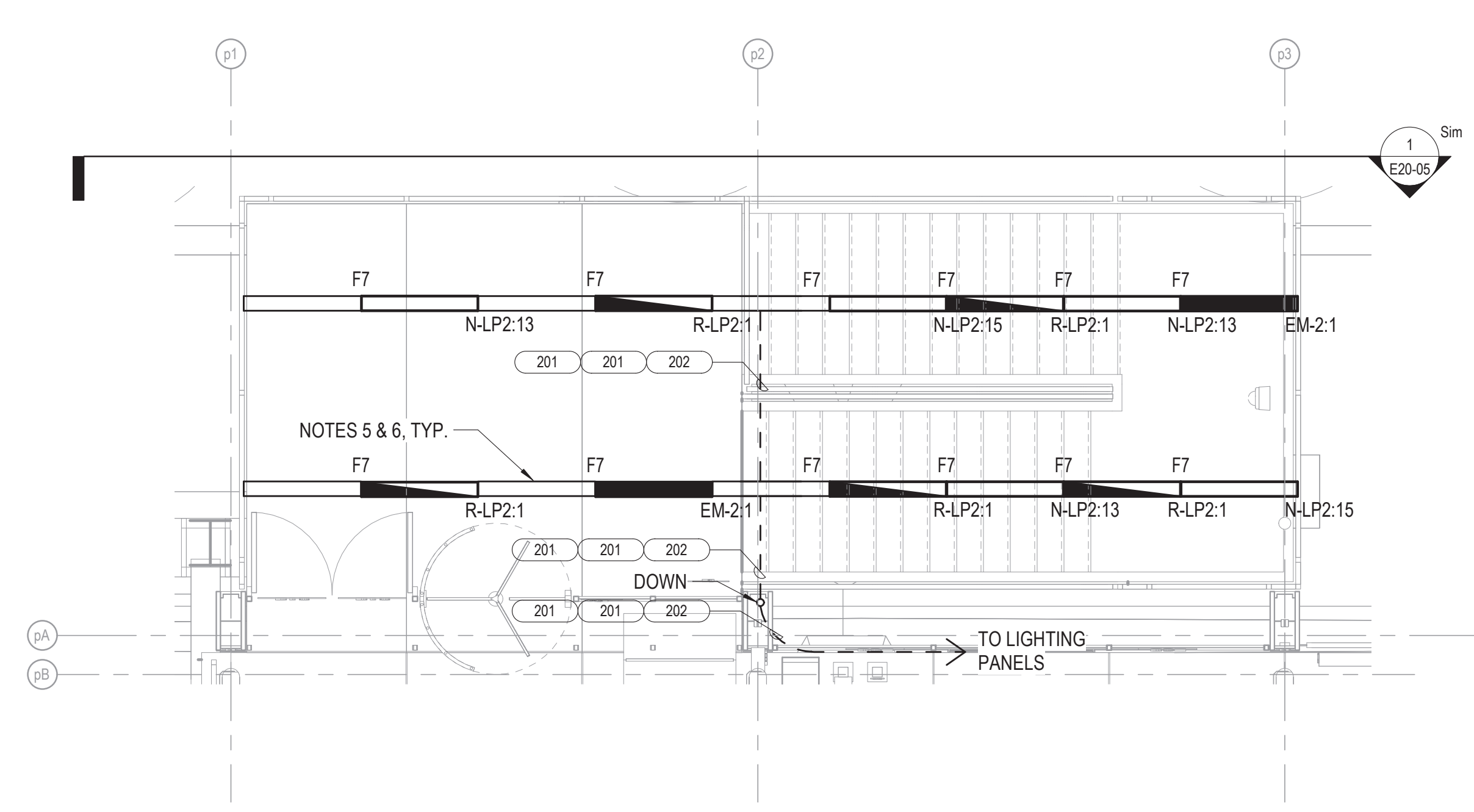
E11-11

REVISION NO.

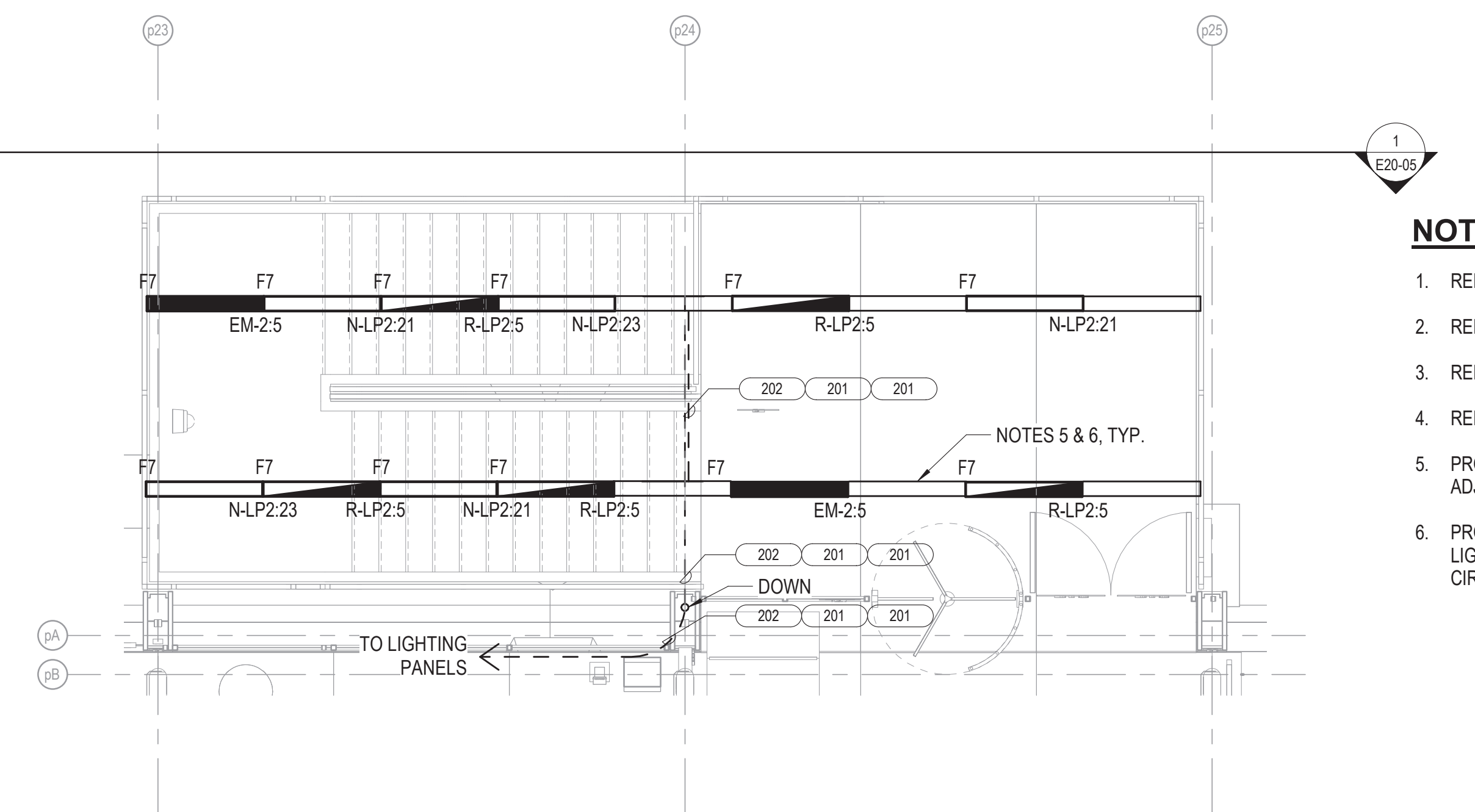
CDOT PROJECT D-7-135

DATE: 11/01/2019

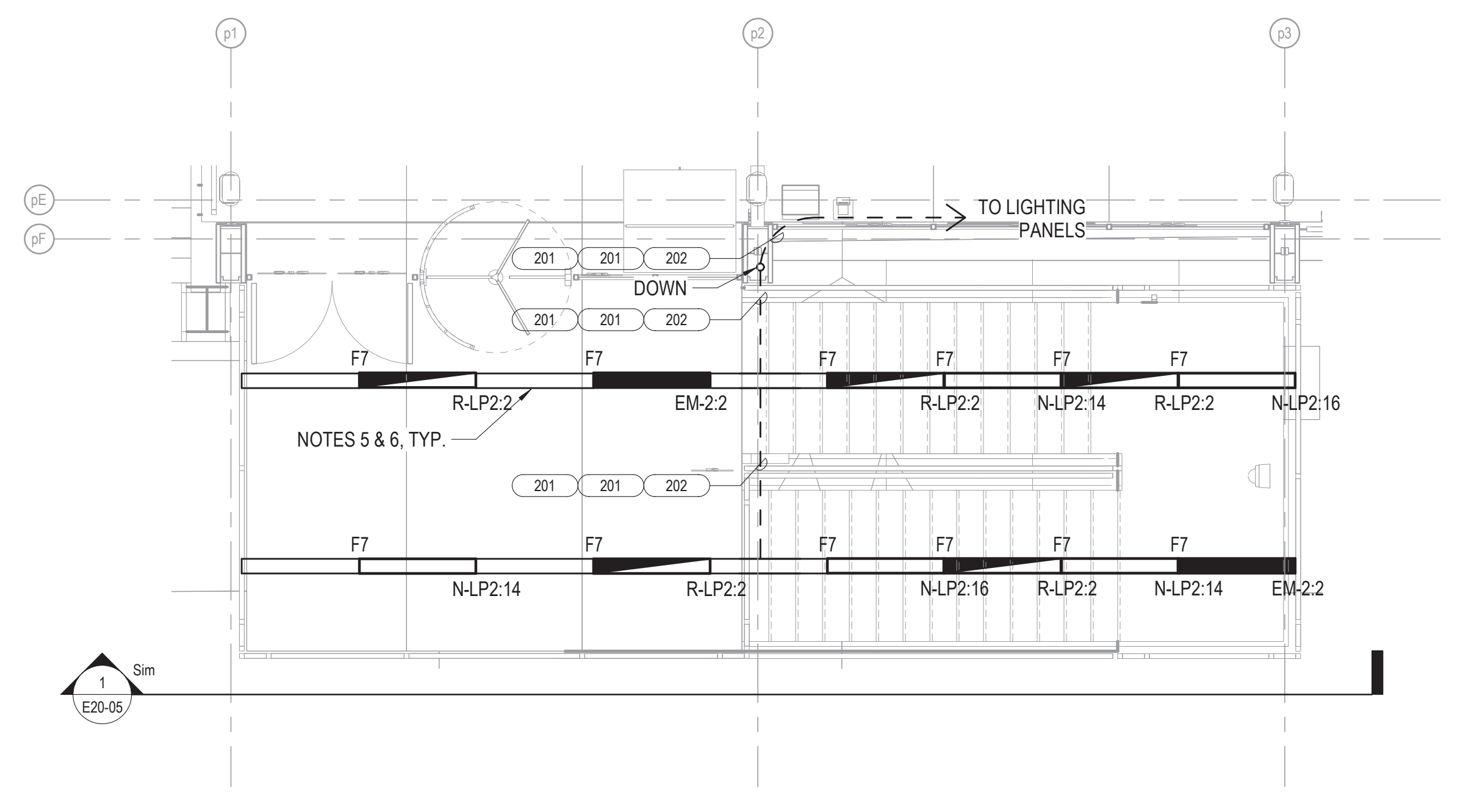
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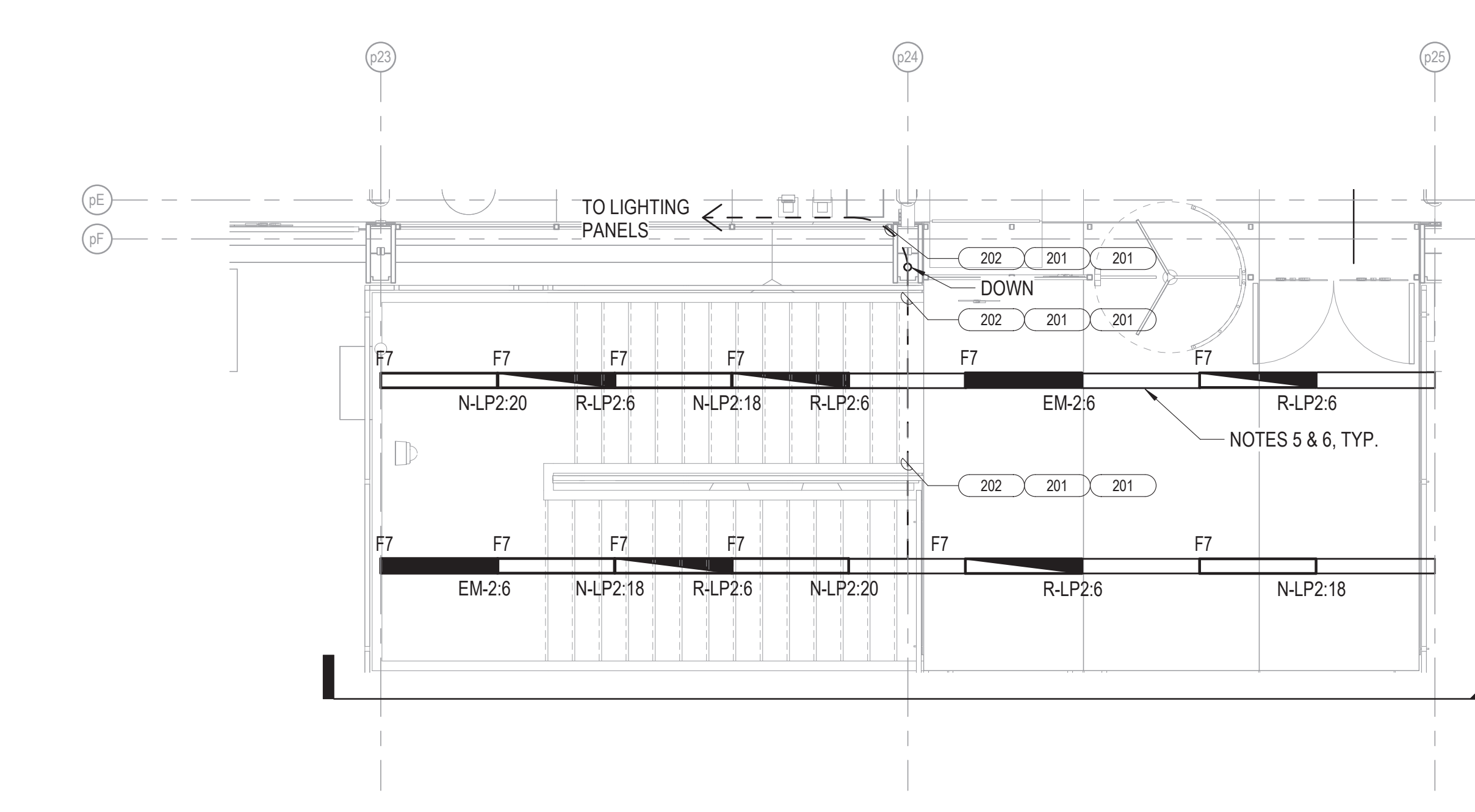
1 NORTHWEST STAIR LIGHTING PLAN
1/4" = 1'-0"



2 NORTHEAST STAIR LIGHTING PLAN
1/4" = 1'-0"

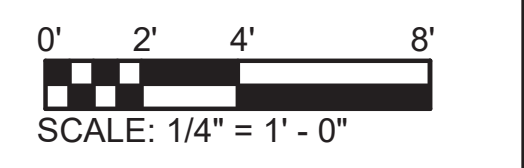


3 SOUTHWEST STAIR LIGHTING PLAN
1/4" = 1'-0"



4 SOUTHEAST STAIR LIGHTING PLAN
1/4" = 1'-0"

- NOTES:**
- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 - REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 - REFER TO DRAWING E60-05 FOR LIGHTING FIXTURE SCHEDULE.
 - PROVIDE LIGHT FIXTURE FILLER SECTION SIMILAR IN APPEARANCE AS ADJACENT LIGHT FIXTURES.
 - PROVIDE CONTINUOUS SEGMENTED STAINLESS STEEL WIREWAY TO MATCH LIGHT FIXTURE FINISH FOR NORMAL, RELIABLE, AND EMERGENCY LIGHTING CIRCUIT WIRING.



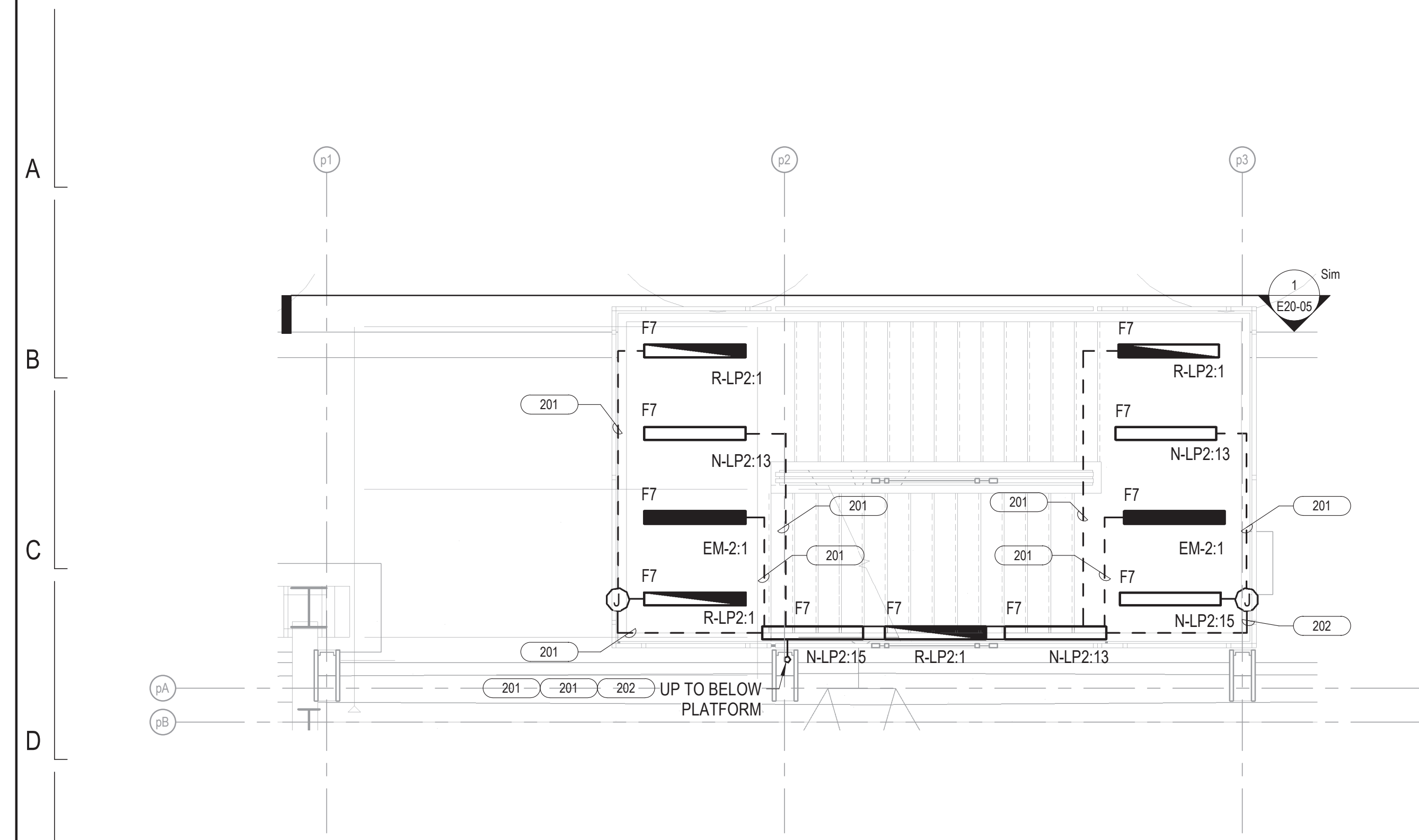
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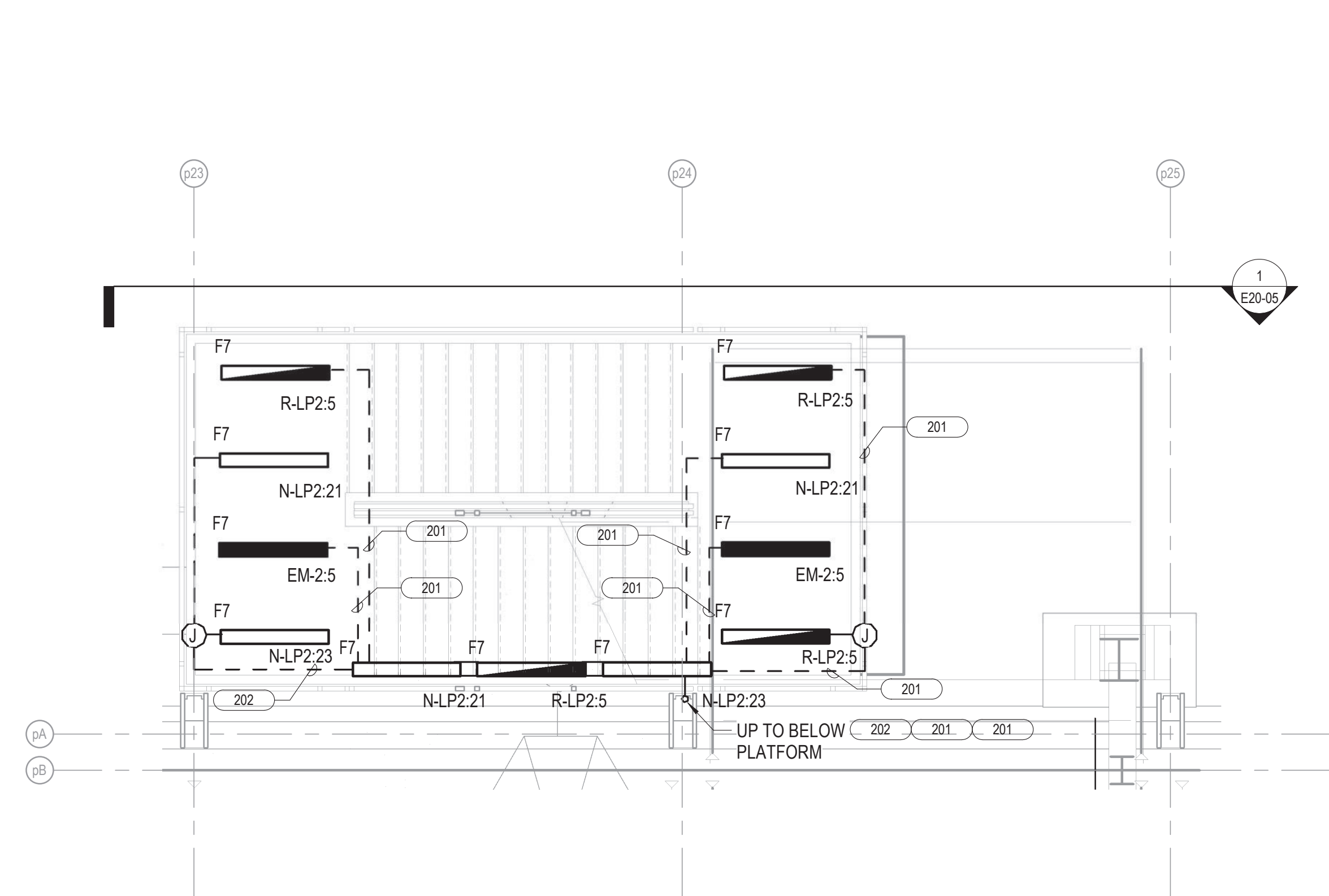
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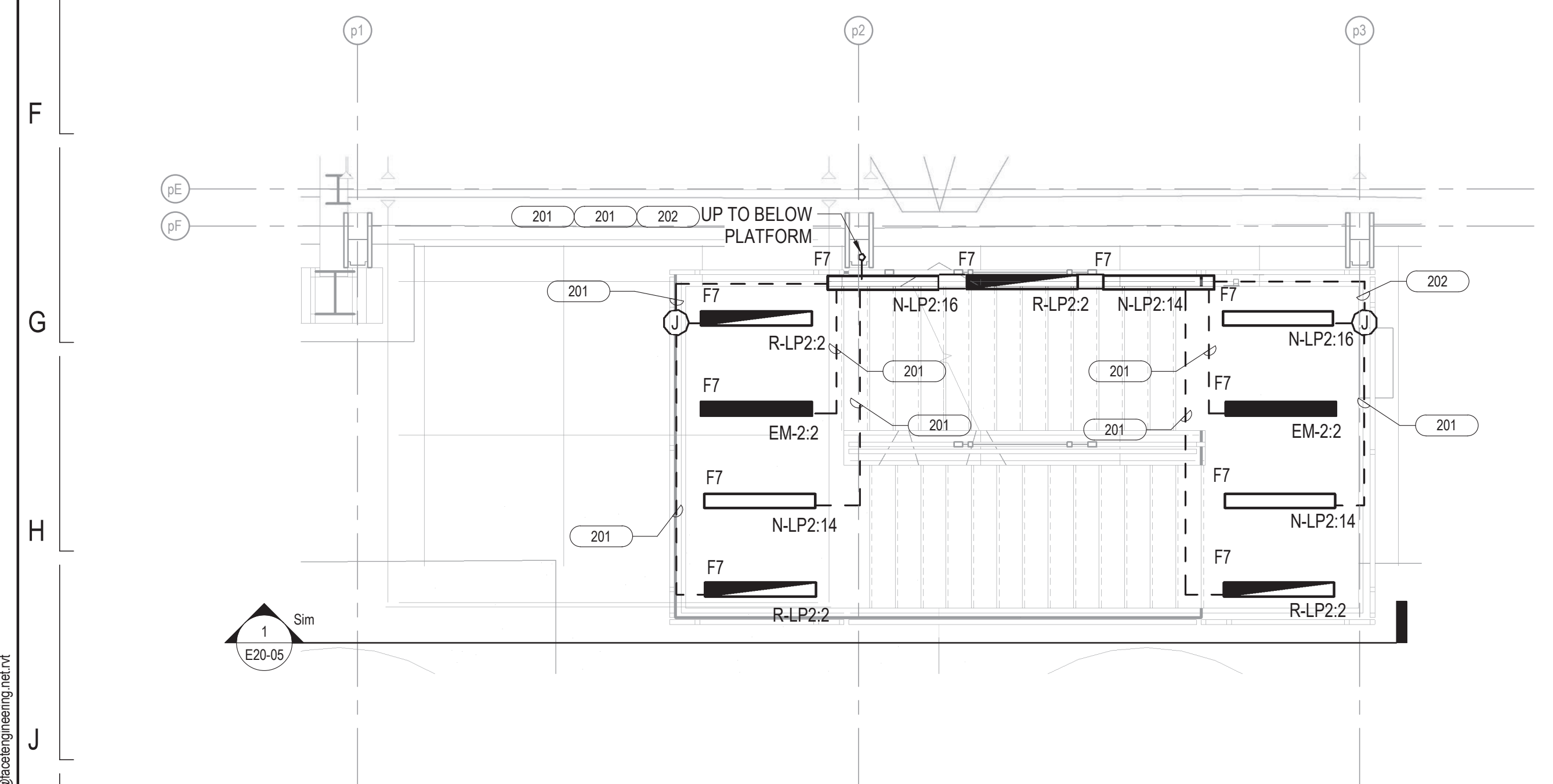
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ENLARGED LEVEL 02 PLATFORM EXIT STAIR LIGHTING PLANS		DRAWING NO. E11-12
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.



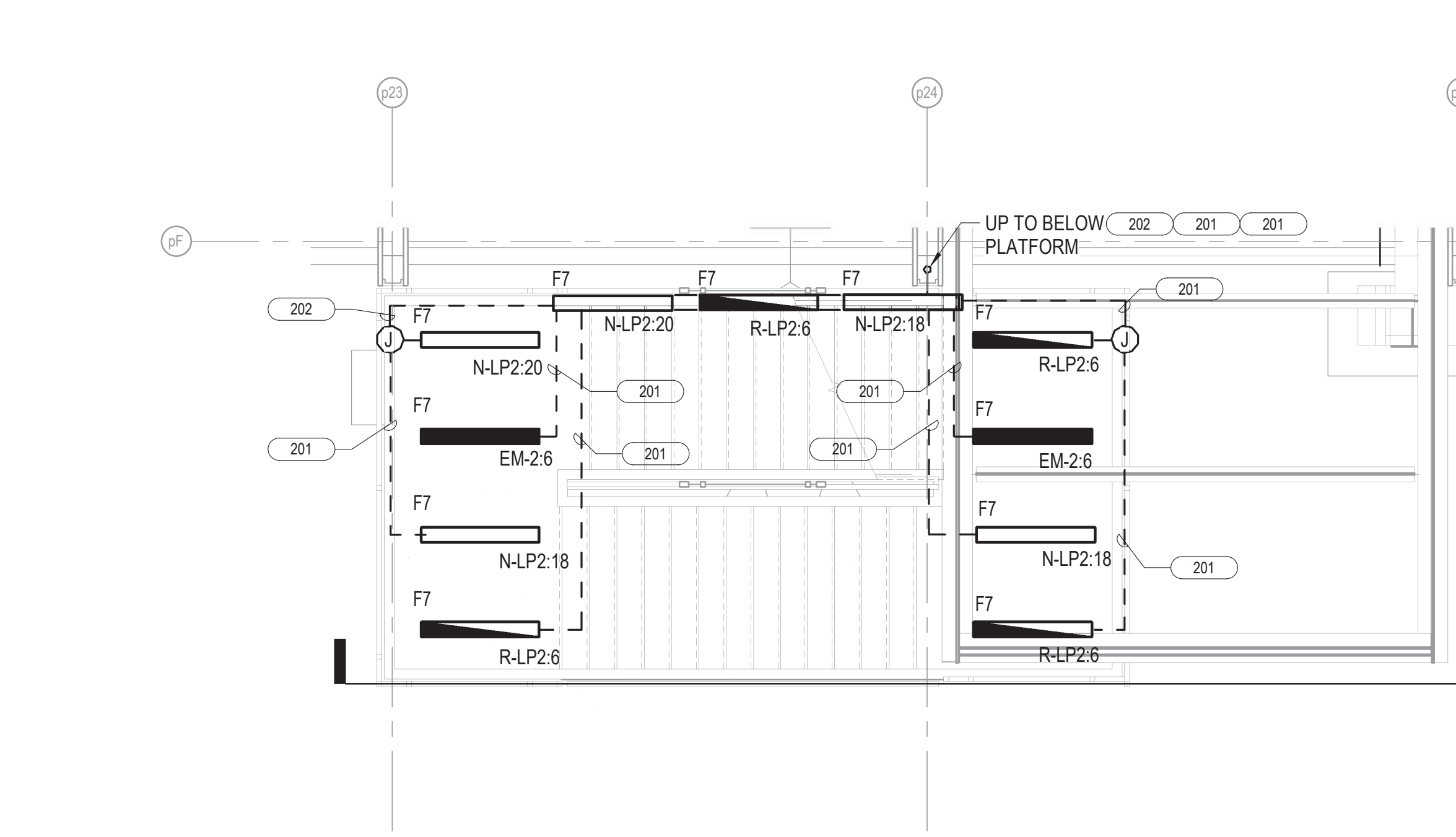
1 NORTHWEST LEVEL 01 STAIR LIGHTING PLAN
1/4" = 1'-0"



2 NORTHEAST LEVEL 01 STAIR LIGHTING PLAN
1/4" = 1'-0"



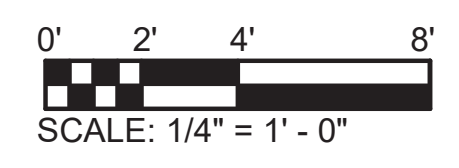
3 SOUTHWEST LEVEL 01 STAIR LIGHTING PLAN
1/4" = 1'-0"



4 SOUTHEAST LEVEL 01 STAIR LIGHTING PLAN
1/4" = 1'-0"

NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
4. REFER TO DRAWING E60-05 FOR LIGHTING FIXTURE SCHEDULE.



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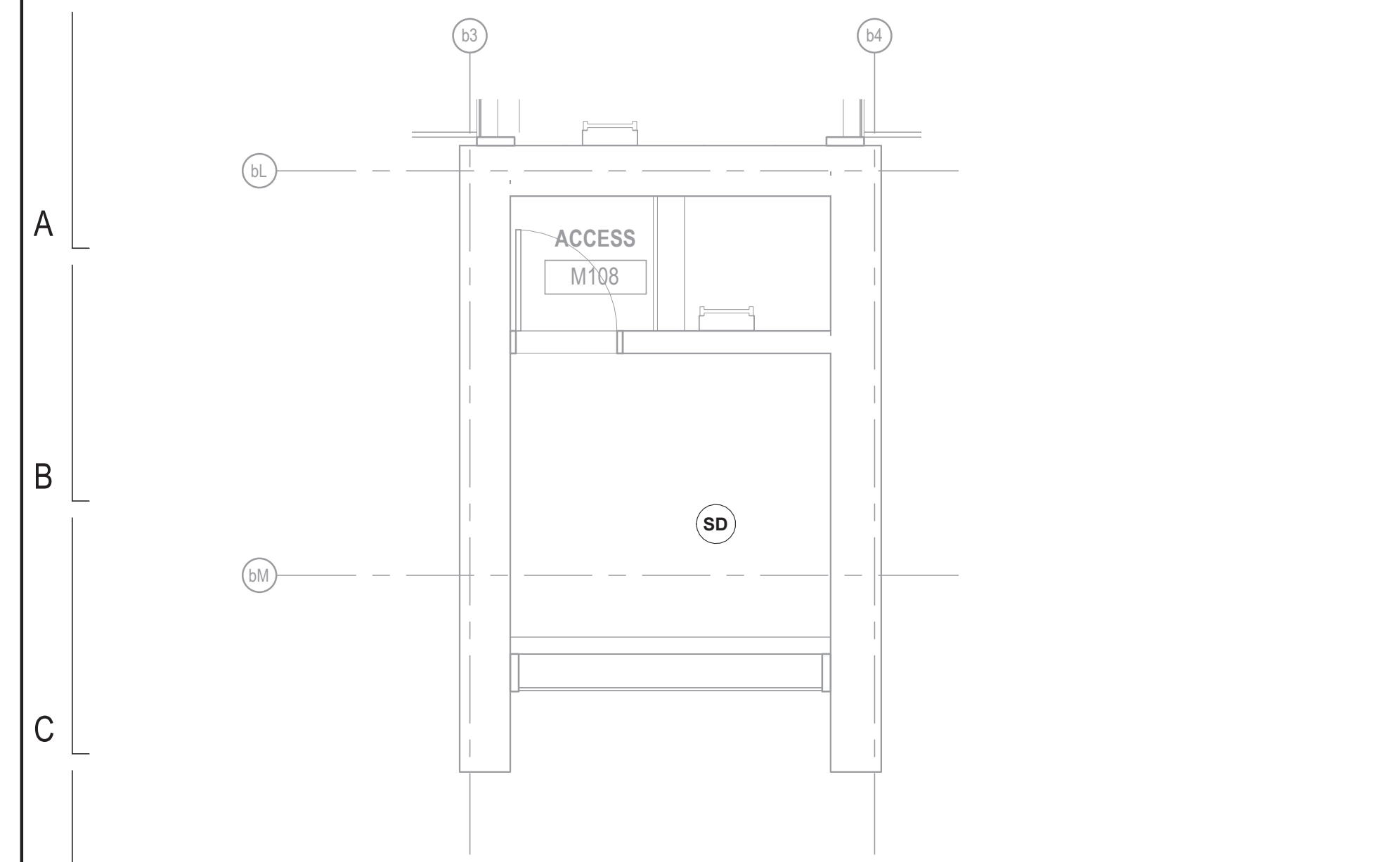


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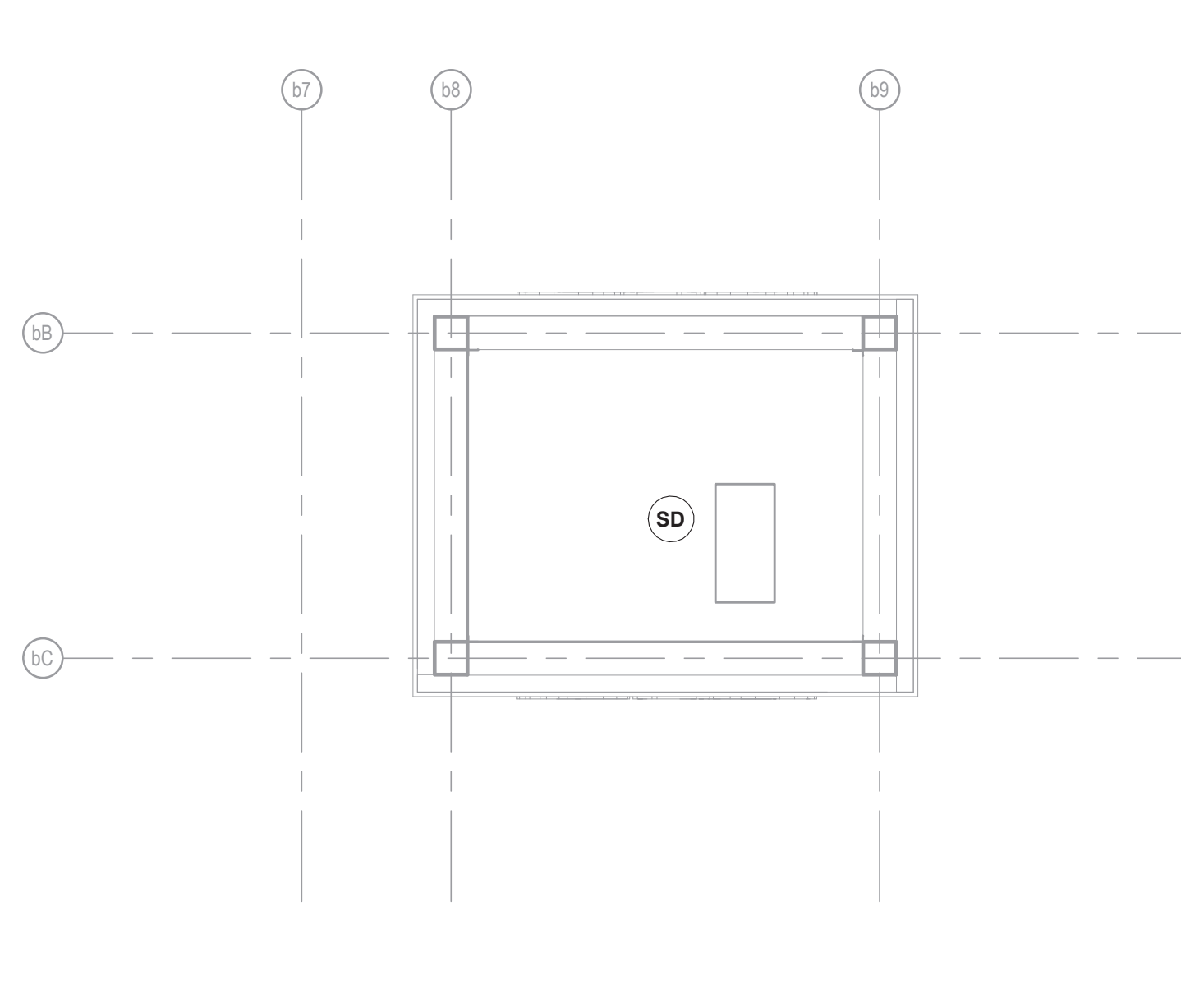


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ENLARGED LEVEL 01 PLATFORM EXIT STAIR LIGHTING PLANS		DRAWING NO. E11-13
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

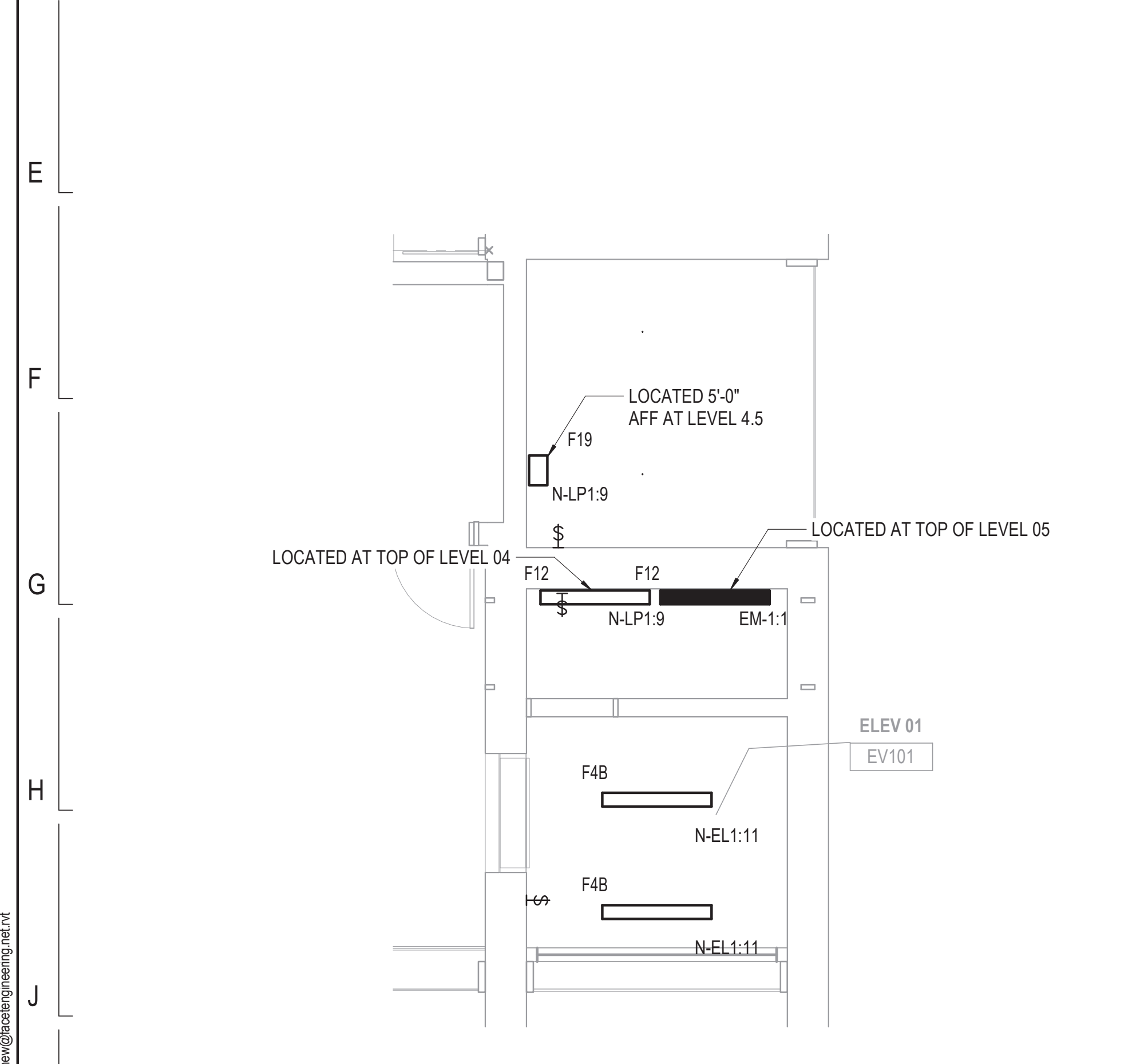
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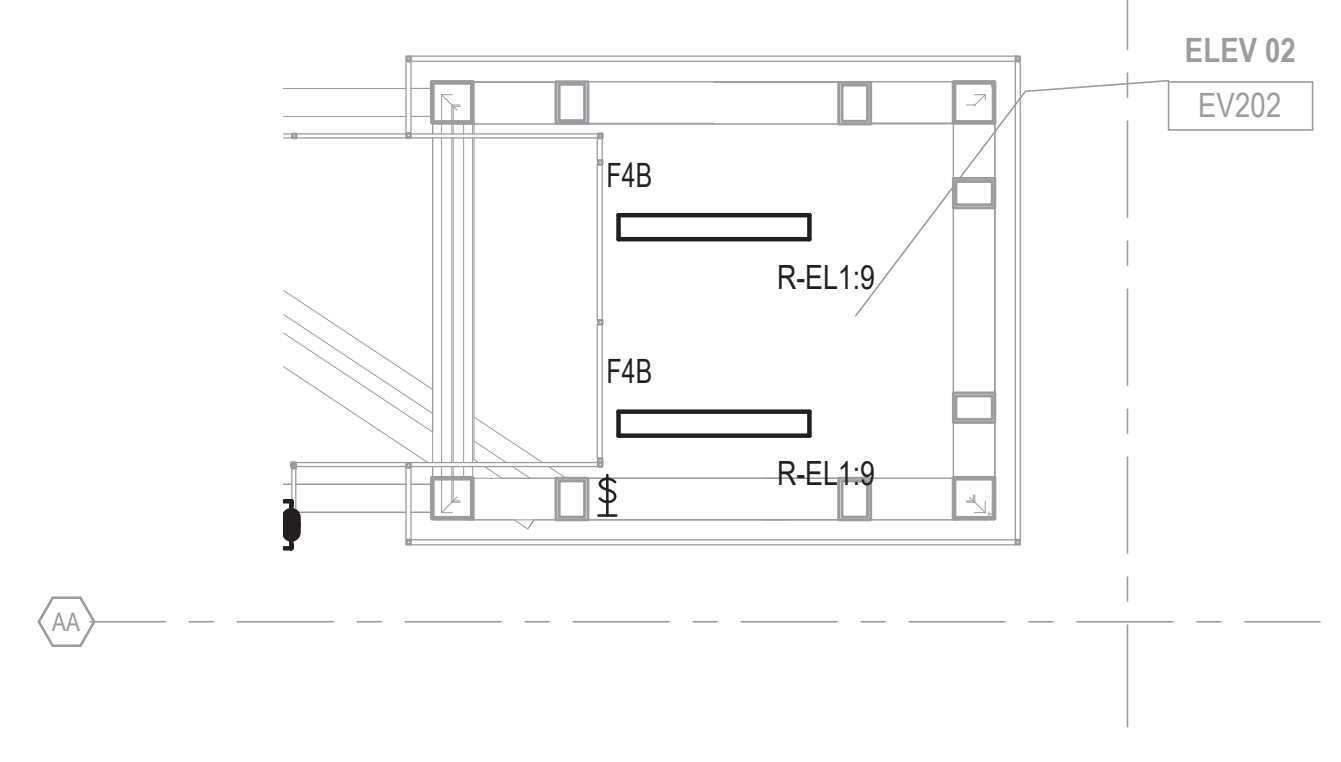
① LEVEL 05 ELEVATOR 1 MACHINE ROOM FIRE ALARM PLAN
1/4" = 1'-0" (NOTE 4)



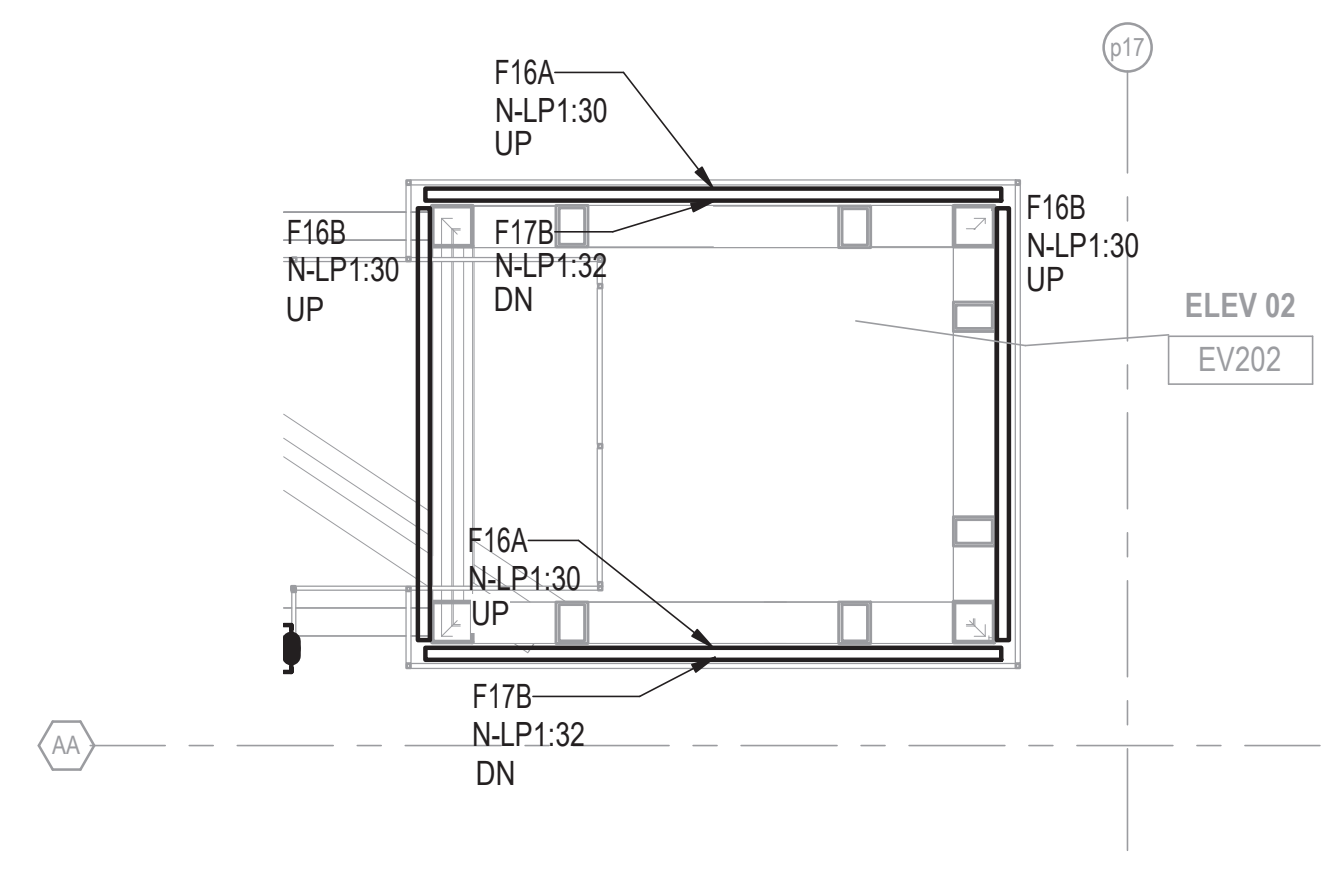
② LEVEL 05 ELEVATOR 2 FIRE ALARM PLAN
1/4" = 1'-0" (NOTE 4)



③ LEVEL 05 ELEVATOR 1 MACHINE ROOM LIGHTING PLAN
1/4" = 1'-0"

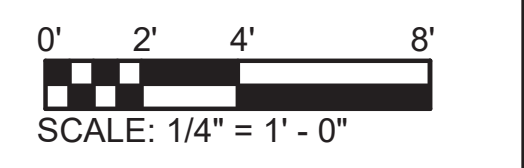


④ LEVEL 05 ELEVATOR 2 LIGHTING PLAN
1/4" = 1'-0"



⑤ LEVEL 05 ELEVATOR 2 TOWER LIGHTING PLAN
1/4" = 1'-0"

- NOTES:**
- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 - REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 - REFER TO DRAWING E60-08 FOR FIRE ALARM RISER DIAGRAM FOR ADDITIONAL REQUIREMENTS.



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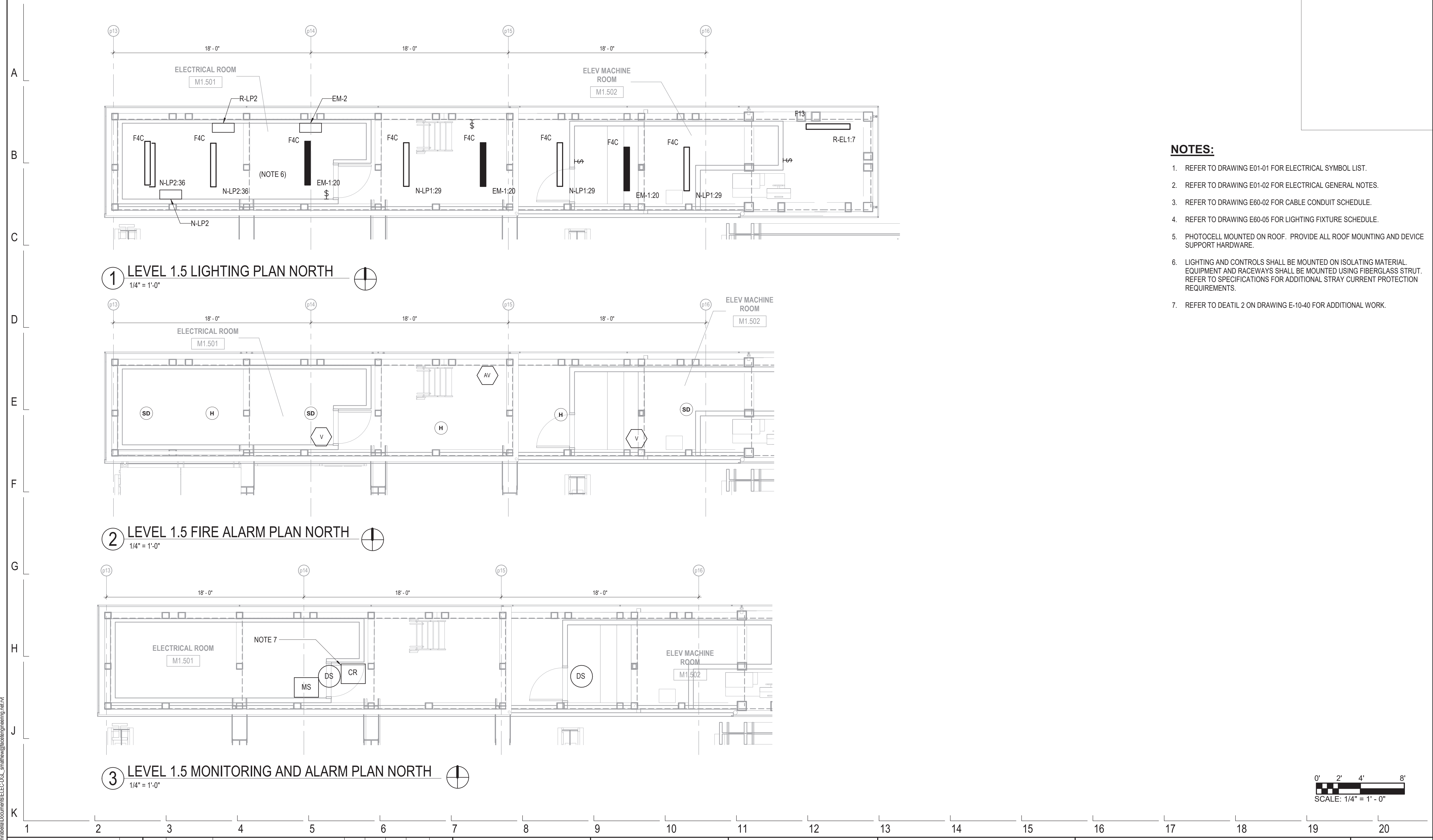


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ENLARGED ELEVATOR MACHINE ROOM PLANS		DRAWING NO. E11-14
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
4. REFER TO DRAWING E60-05 FOR LIGHTING FIXTURE SCHEDULE.
5. PHOTOCELL MOUNTED ON ROOF. PROVIDE ALL ROOF MOUNTING AND DEVICE SUPPORT HARDWARE.
6. LIGHTING AND CONTROLS SHALL BE MOUNTED ON ISOLATING MATERIAL. EQUIPMENT AND RACEWAYS SHALL BE MOUNTED USING FIBERGLASS STRUT. REFER TO SPECIFICATIONS FOR ADDITIONAL STRAY CURRENT PROTECTION REQUIREMENTS.
7. REFER TO DEATIL 2 ON DRAWING E-10-40 FOR ADDITIONAL WORK.

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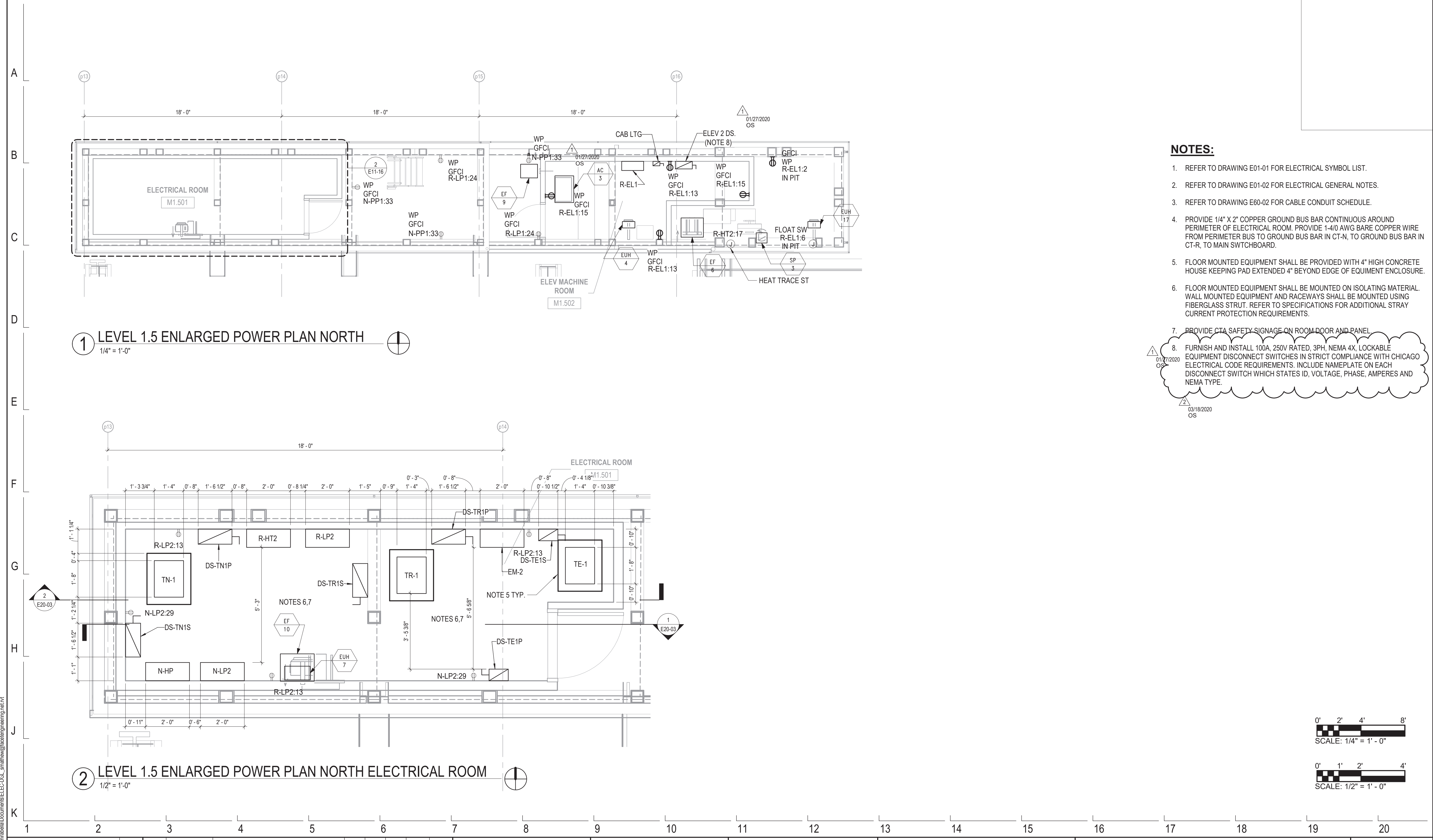
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ENLARGED LEVEL 1.5 NORTH PLANS		DRAWING NO. E11-15
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

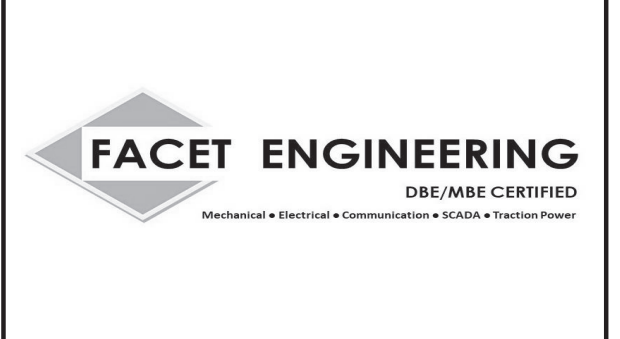
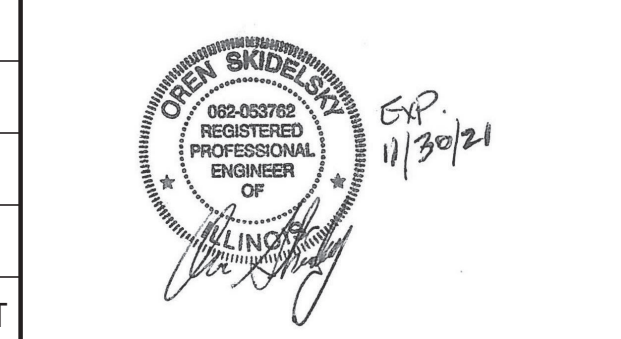


NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
4. PROVIDE 1/4" X 2" COPPER GROUND BUS BAR CONTINUOUS AROUND PERIMETER OF ELECTRICAL ROOM. PROVIDE 1-4/0 AWG BARE COPPER WIRE FROM PERIMETER BUS TO GROUND BUS BAR IN CT-R, TO GROUND BUS BAR IN CT-R, TO MAIN SWITCHBOARD.
5. FLOOR MOUNTED EQUIPMENT SHALL BE PROVIDED WITH 4" HIGH CONCRETE HOUSE KEEPING PAD EXTENDED 4" BEYOND EDGE OF EQUIPMENT ENCLOSURE.
6. FLOOR MOUNTED EQUIPMENT SHALL BE MOUNTED ON ISOLATING MATERIAL. WALL MOUNTED EQUIPMENT AND RACEWAYS SHALL BE MOUNTED USING FIBERGLASS STRUT. REFER TO SPECIFICATIONS FOR ADDITIONAL STRAY CURRENT PROTECTION REQUIREMENTS.
7. PROVIDE CTA SAFETY SIGNAGE ON ROOM DOOR AND PANEL.
8. FURNISH AND INSTALL 100A, 250V RATED, 3PH, NEMA 4X, LOCKABLE EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CHICAGO ELECTRICAL CODE REQUIREMENTS. INCLUDE NAMEPLATE ON EACH DISCONNECT SWITCH WHICH STATES ID, VOLTAGE, PHASE, AMPERES AND NEMA TYPE.

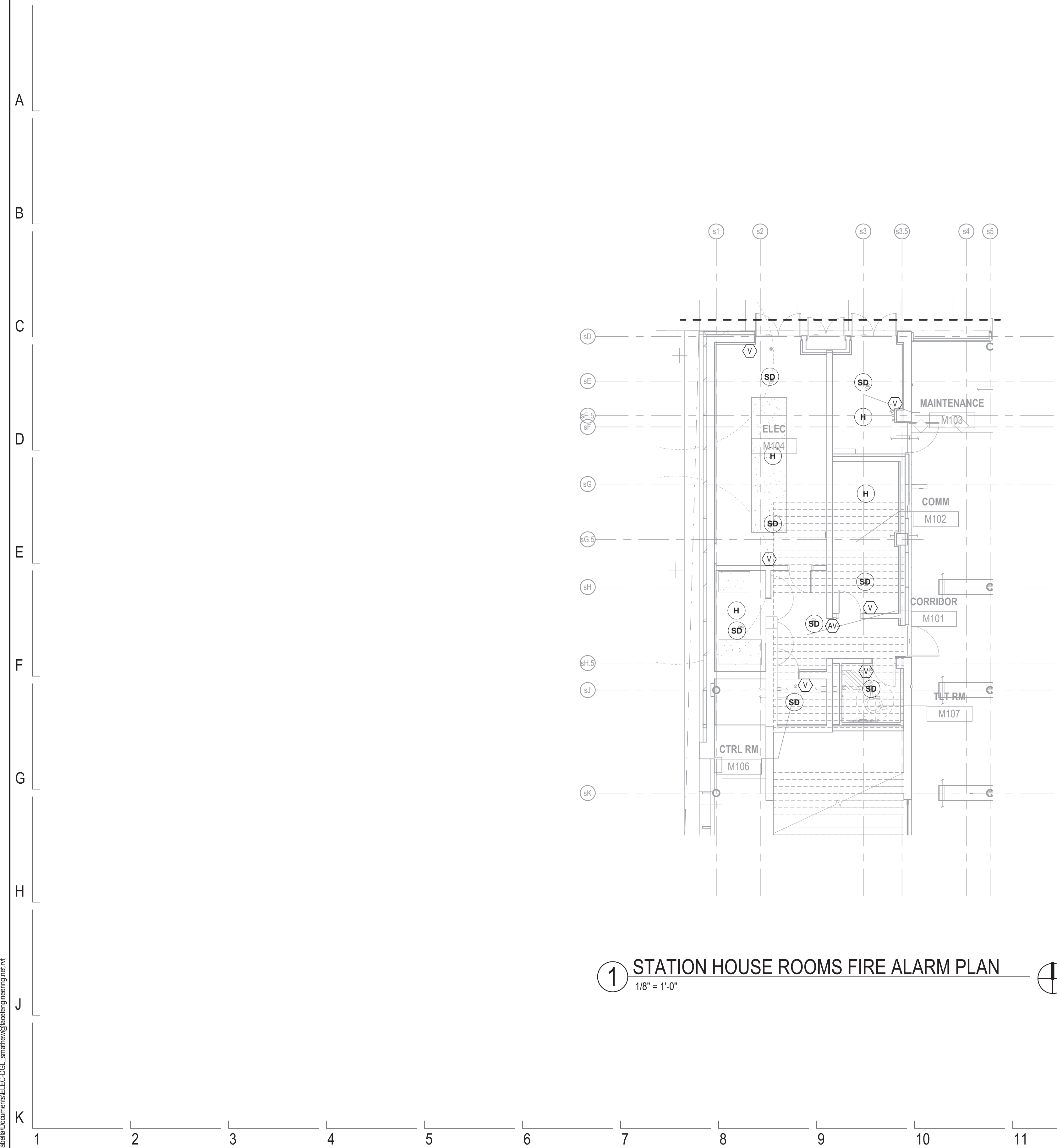
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ENLARGED LEVEL 1.5 NORTH POWER PLANS		DRAWING NO. E11-16
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

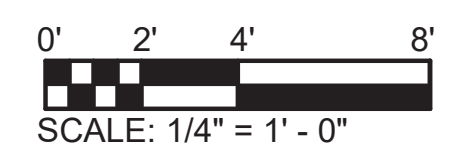
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1 STATION HOUSE ROOMS FIRE ALARM PLAN
 1/8" = 1'-0"

NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
4. REFER TO FIRE ALARM RISER DIAGRAM ON DRAWING E60-08.



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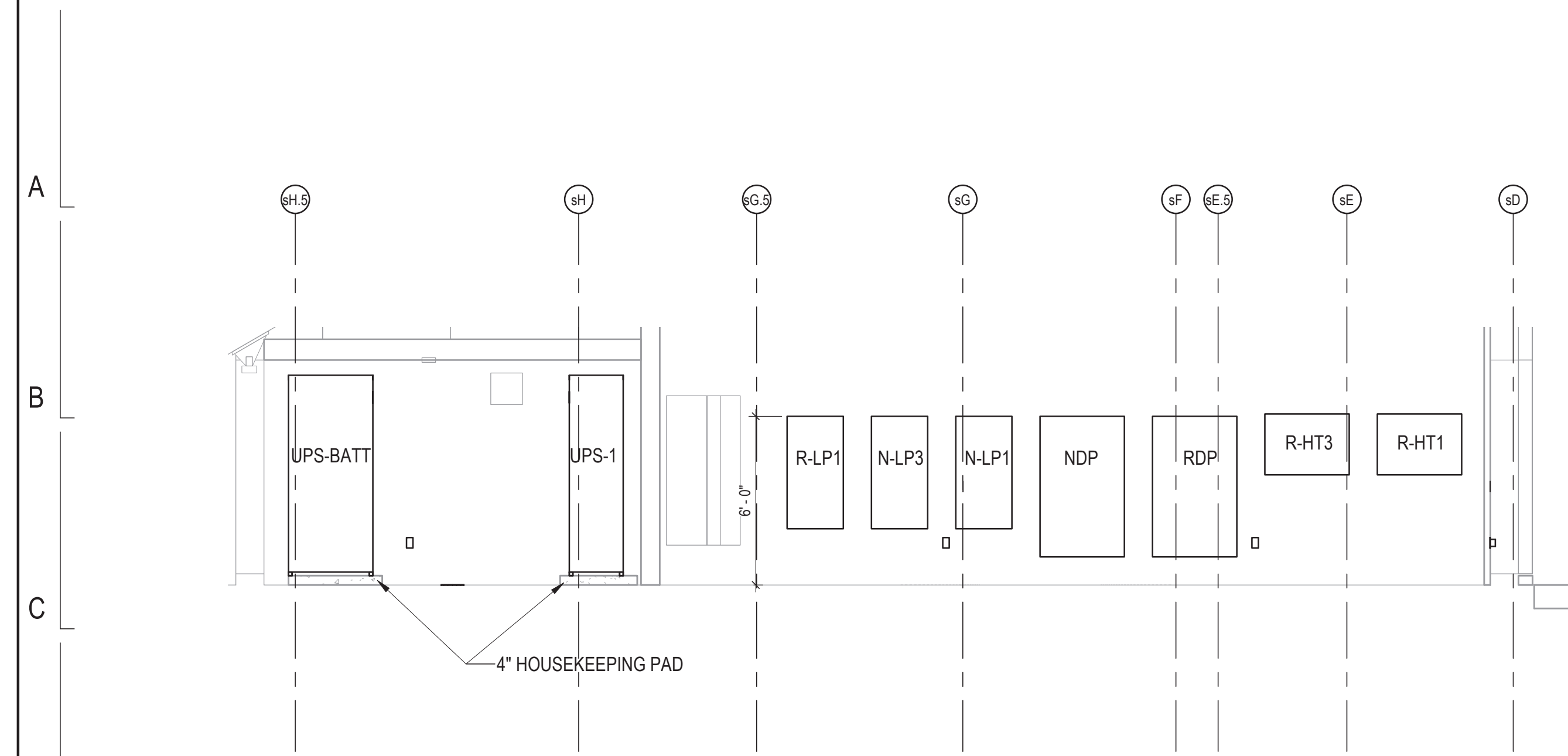


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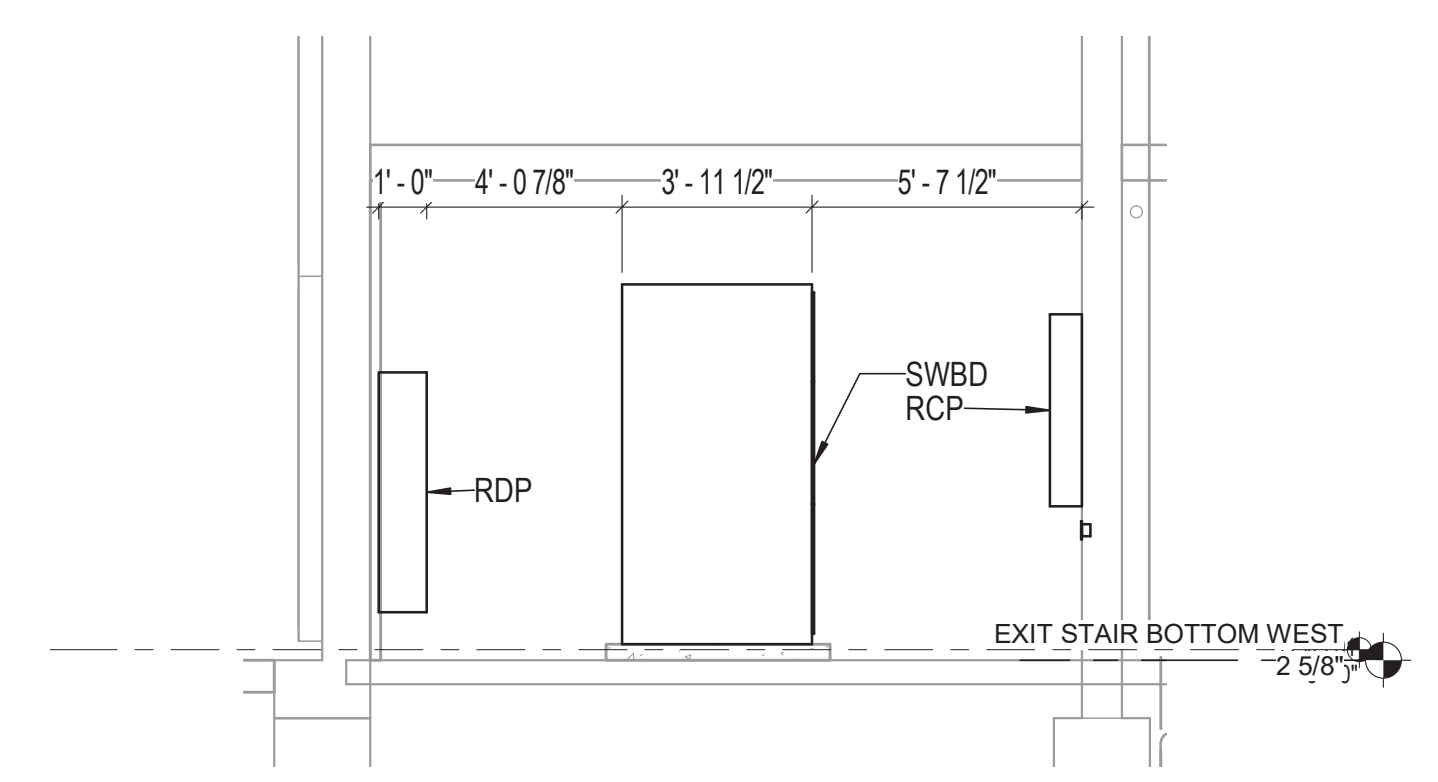


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ENLARGED STATION HOUSE ROOM FIRE ALARM PLAN		DRAWING NO. E11-30
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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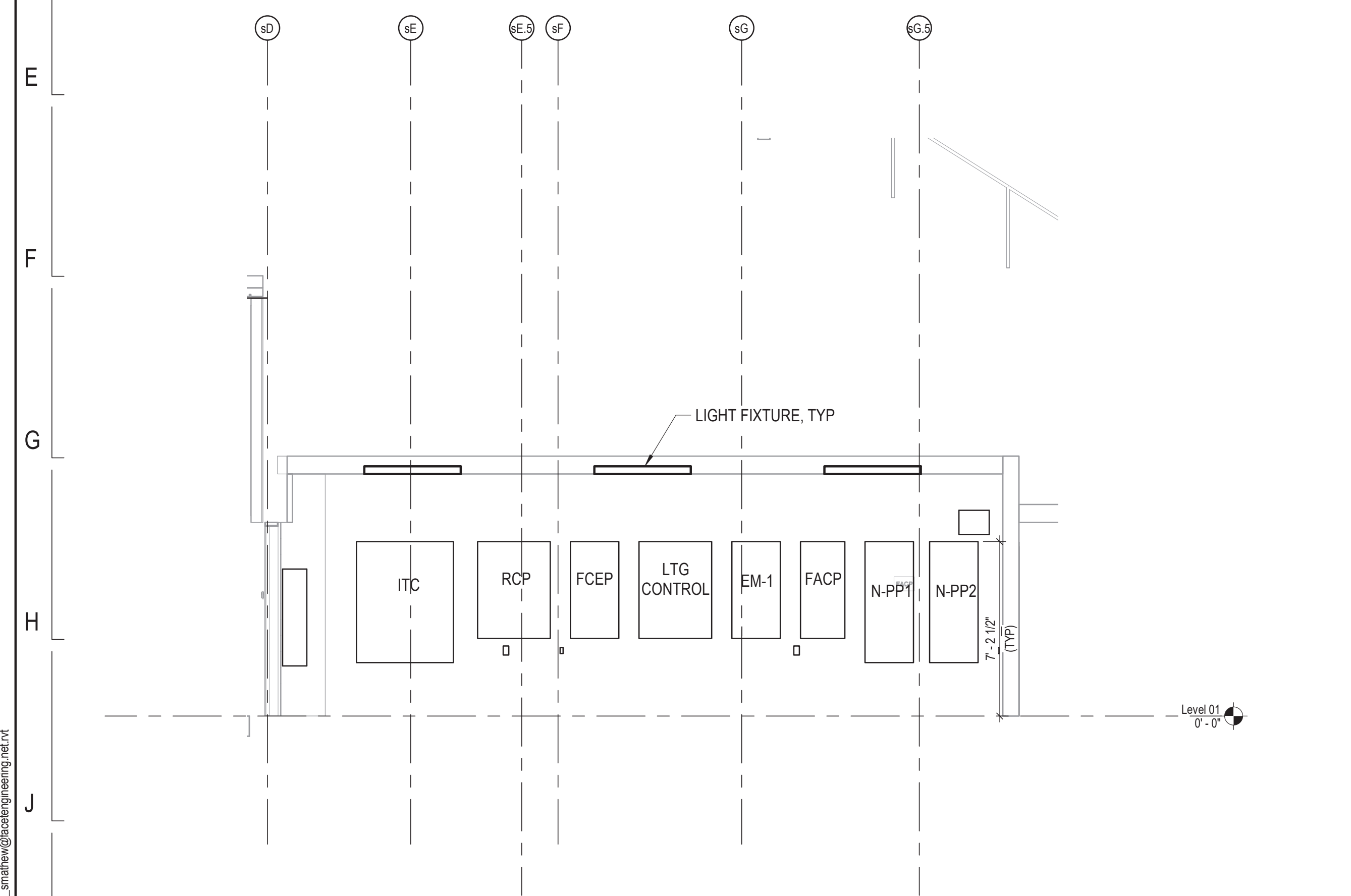
1 ELECTRICAL ROOM - WEST WALL ELEVATION
1/4" = 1'-0"



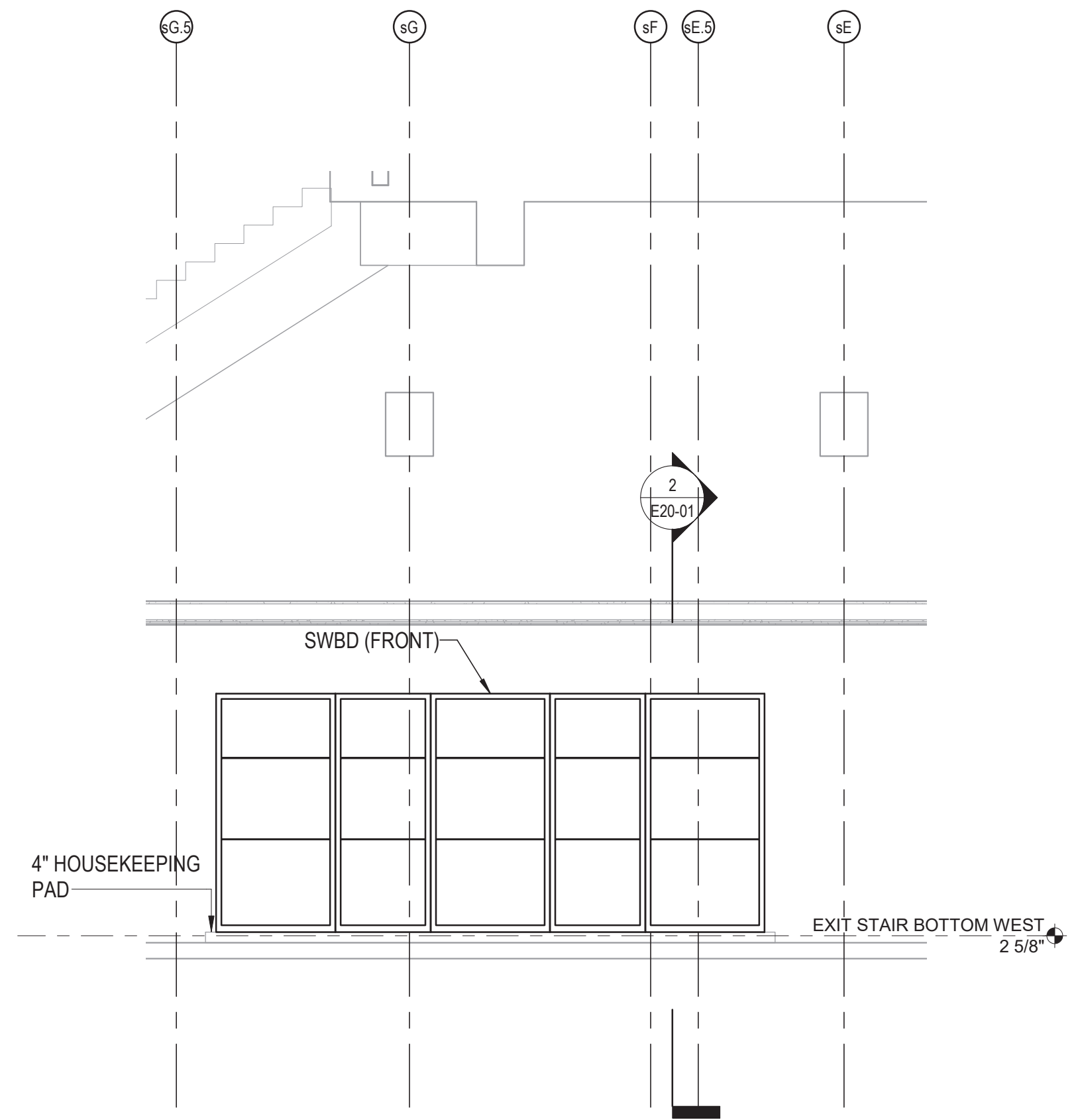
2 ELECTRICAL ROOM - SECTION
1/4" = 1'-0"

NOTES:

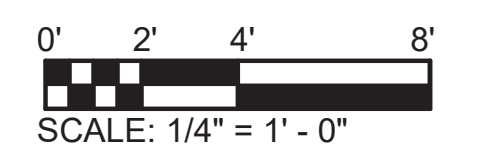
1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.



3 ELECTRICAL ROOM - EAST WALL ELEVATION
1/4" = 1'-0"



4 ELECTRICAL ROOM - SWITCHBOARD AND TRANSFORMER ELEVATION
1/4" = 1'-0"



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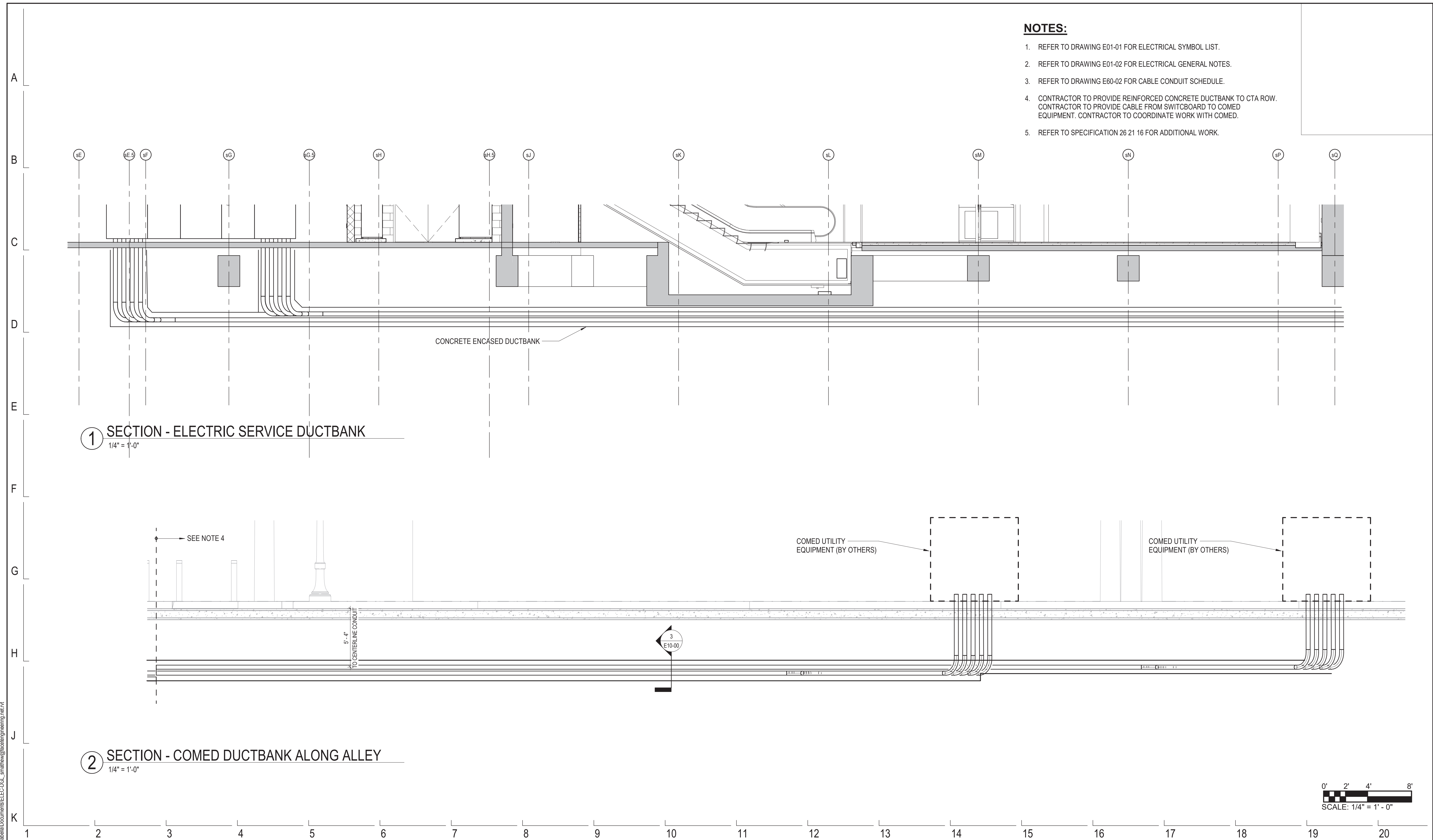


154 N DAMEN AVE - DAMEN GREEN LINE STATION
ELECTRICAL ROOM ELEVATIONS
CDOT PROJECT D-7-135 DATE: 11/01/2019

SPEC. NO.
DRAWING NO. E20-01
REVISION NO.

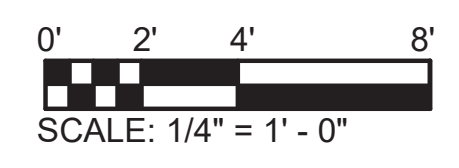
NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
4. CONTRACTOR TO PROVIDE REINFORCED CONCRETE DUCTBANK TO CTA ROW. CONTRACTOR TO PROVIDE CABLE FROM SWITCHBOARD TO COMED EQUIPMENT. CONTRACTOR TO COORDINATE WORK WITH COMED.
5. REFER TO SPECIFICATION 26 21 16 FOR ADDITIONAL WORK.



1 SECTION - ELECTRIC SERVICE DUCTBANK
1/4" = 1'-0"

2 SECTION - COMED DUCTBANK ALONG ALLEY
1/4" = 1'-0"



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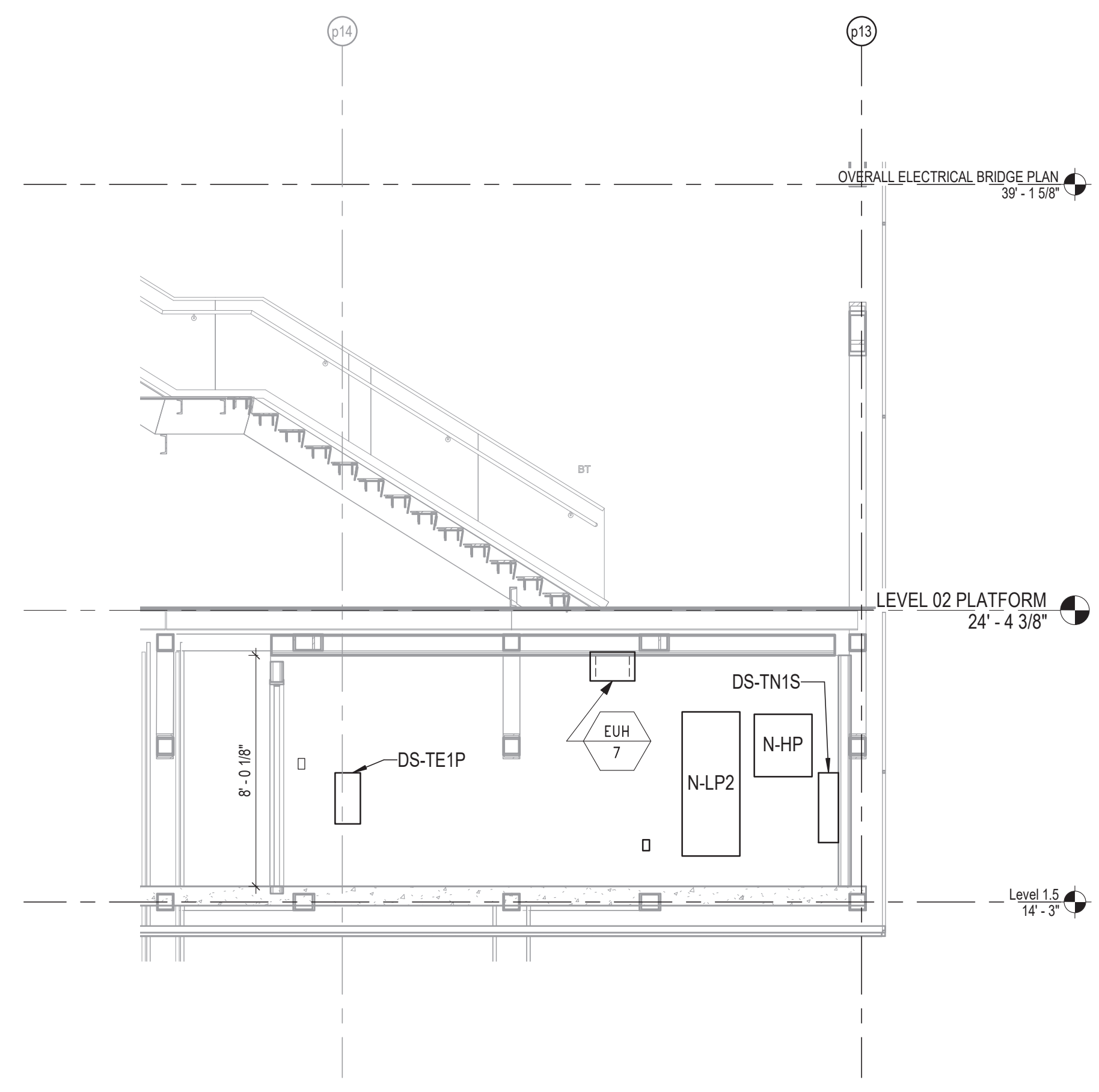
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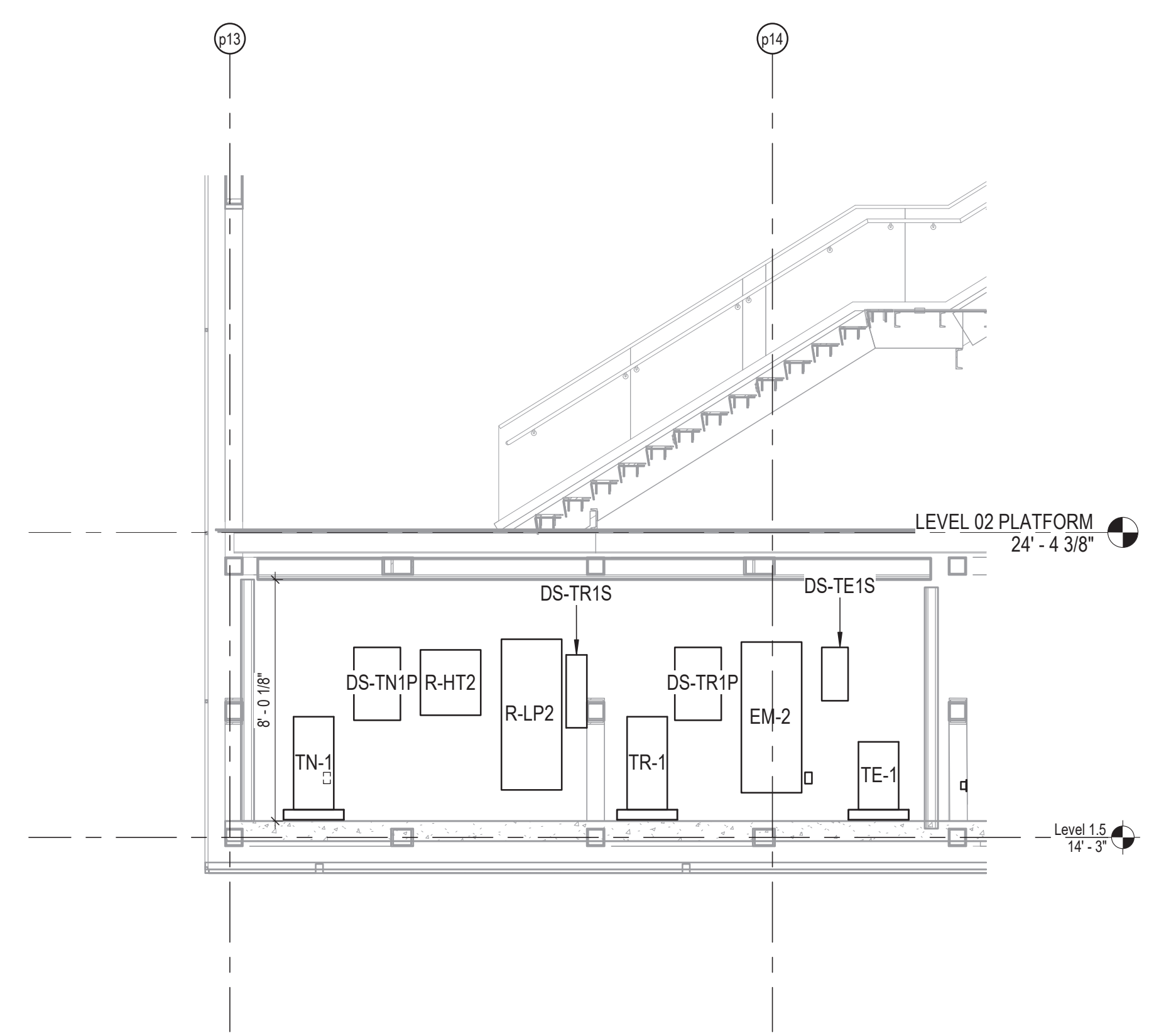
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ELECTRICAL SECTIONS - UNDERGROUND SERVICE		DRAWING NO. E20-02
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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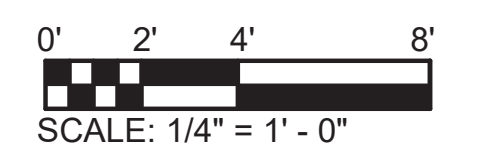


1 PLATFORM ELECTRICAL ROOM SECTION SOUTH
 1/4" = 1'-0" (NOTES 4, 5, 6, AND 7)



2 PLATFORM ELECTRICAL ROOM SECTION NORTH
 1/4" = 1'-0" (NOTES 4, 5, 6, AND 7)

- NOTES:**
- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 - REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 - PROVIDE 1/4" X 2" COPPER GROUND BUS BAR CONTINUOUS AROUND PERIMETER OF ELECTRICAL ROOM. PROVIDE 1-4/0 AWG BARE COPPER WIRE FROM PERIMETER BUS TO GROUND BUS BAR IN CT-N, TO GROUND BUS BAR IN CT-R, TO MAIN SWITCHBOARD.
 - FLOOR MOUNTED EQUIPMENT SHALL BE PROVIDED WITH 4" HIGH CONCRETE HOUSE KEEPING PAD EXTENDED 4" BEYOND EDGE OF EQUIPMENT ENCLOSURE.
 - FLOOR MOUNTED EQUIPMENT SHALL BE MOUNTED ON ISOLATING MATERIAL. WALL MOUNTED EQUIPMENT AND RACEWAYS SHALL BE MOUNTED USING FIBERGLASS STRUT. REFER TO SPECIFICATIONS FOR ADDITIONAL STRAY CURRENT PROTECTION REQUIREMENTS.
 - PROVIDE CTA SAFETY SIGNAGE ON ROOM DOOR AND PANEL.



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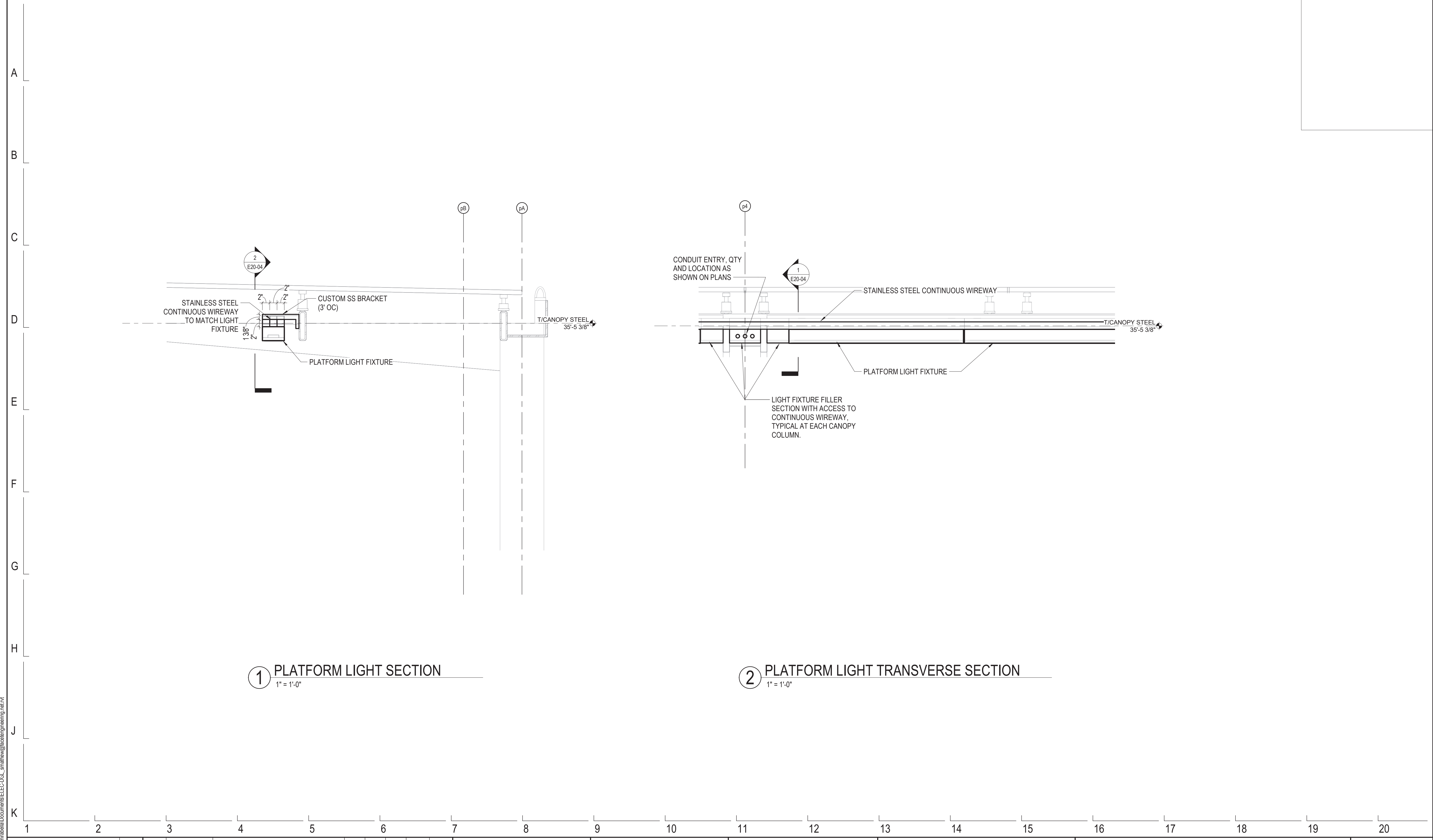


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
SECTIONS		DRAWING NO. E20-03
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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1 PLATFORM LIGHT SECTION
1" = 1'-0"

2 PLATFORM LIGHT TRANSVERSE SECTION
1" = 1'-0"

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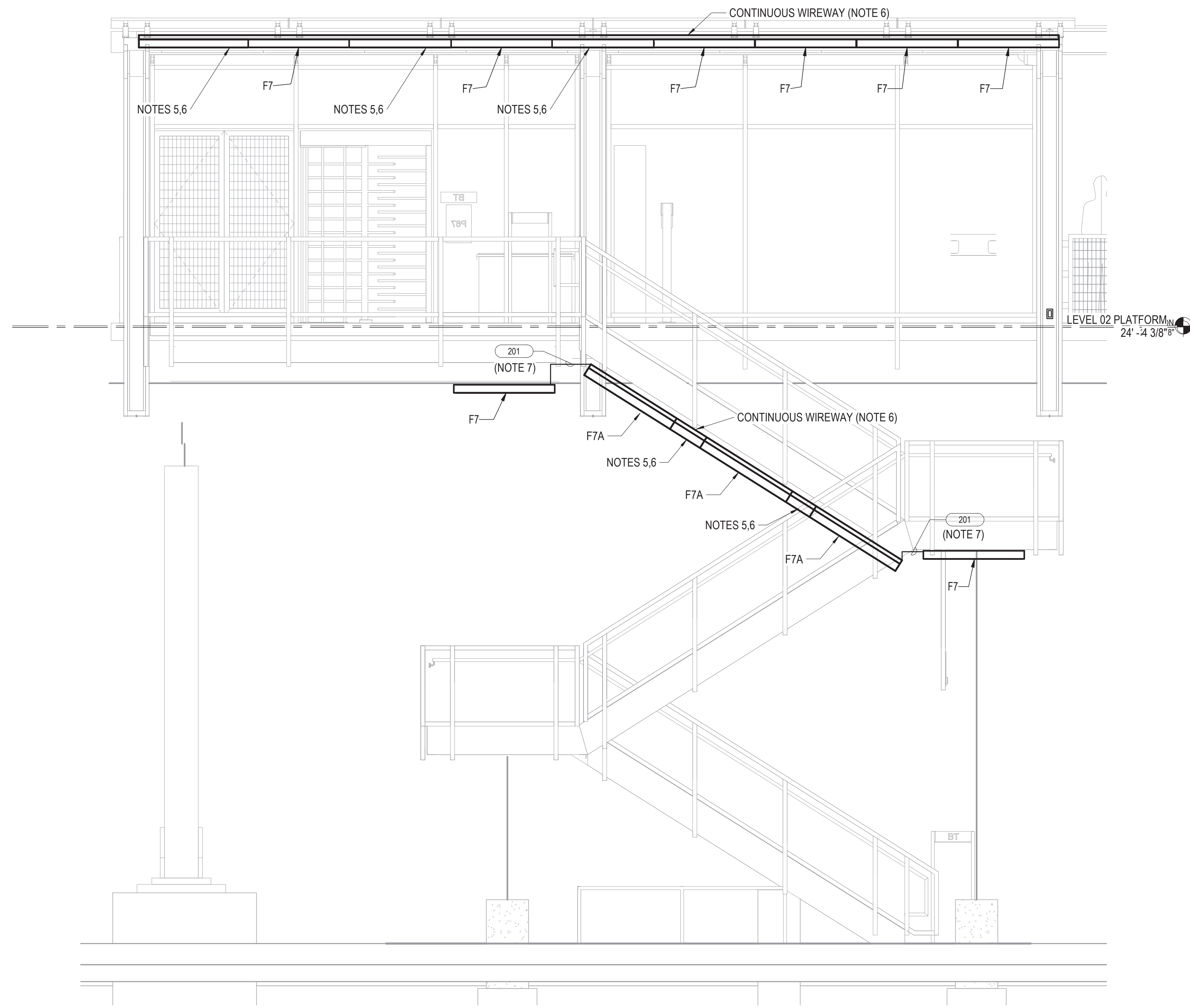


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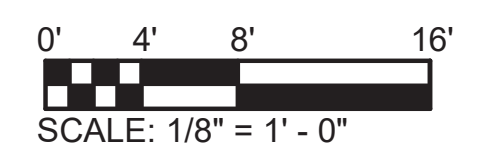
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
SECTIONS - LIGHTING		DRAWING NO. E20-04
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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- NOTES:**
1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
 4. REFER TO DRAWING E60-05 FOR LIGHTING FIXTURE SCHEDULE.
 5. PROVIDE LIGHT FIXTURE FILLER SECTION SIMILAR IN APPEARANCE AS ADJACENT LIGHT FIXTURES.
 6. PROVIDE CONTINUOUS SEGMENTED STAINLESS STEEL WIREWAY TO MATCH LIGHT FIXTURE FINISH FOR NORMAL, RELIABLE, AND EMERGENCY LIGHTING CIRCUIT WIRING.
 7. SIMILAR FOR EACH POWER SYSTEM; EMERGENCY, RELIABLE AND NORMAL.

1 PLATFORM TO STREET LIGHTING SECTION VIEW TYP.
3/8" = 1'-0"



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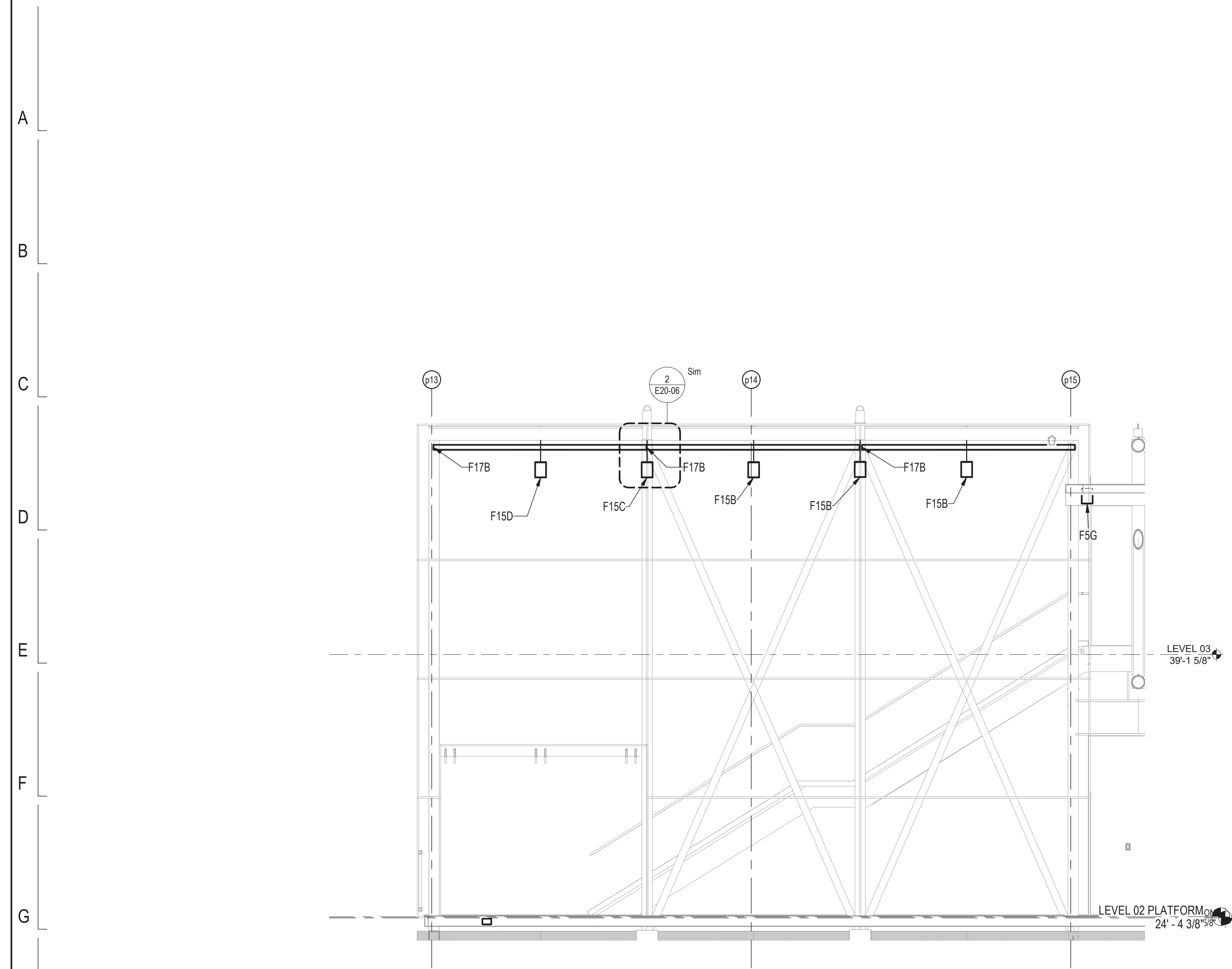


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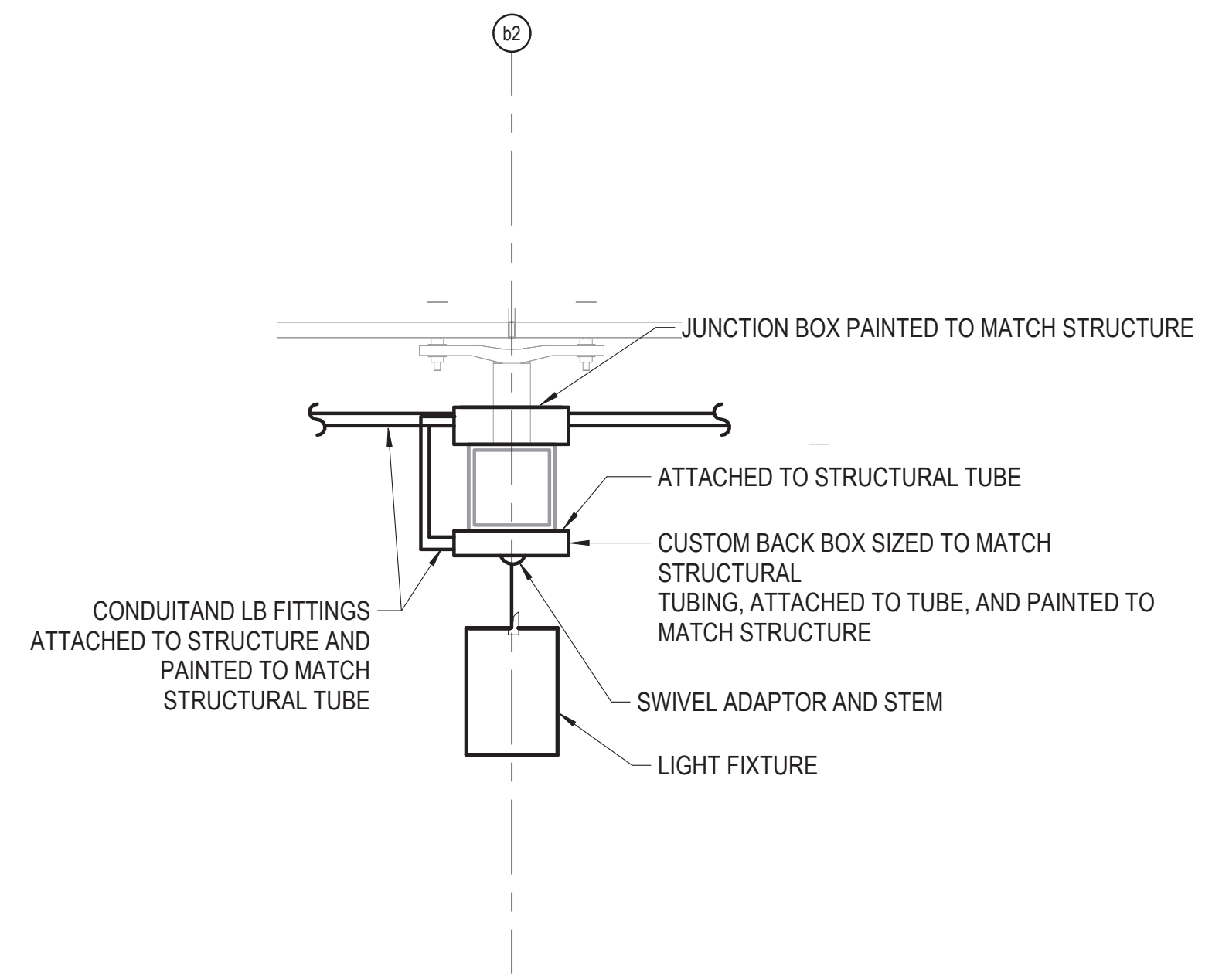


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
PLATFORM TO STREET LIGHTING SECTION TYPICAL		DRAWING NO. E20-05
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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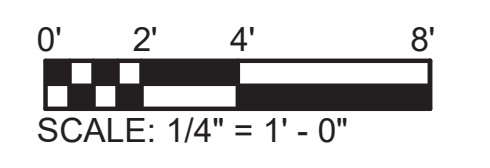
① NORTH STAIR ELEVATION SECTION
1/4" = 1'-0"



② PENDANT LUMINAIRE MOUNTING DETAIL
1" = 1'-0"

NOTES:

1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. REFER TO DRAWING E60-02 FOR CABLE CONDUIT SCHEDULE.
4. REFER TO DRAWING E60-05 FOR LIGHTING FIXTURE SCHEDULE.



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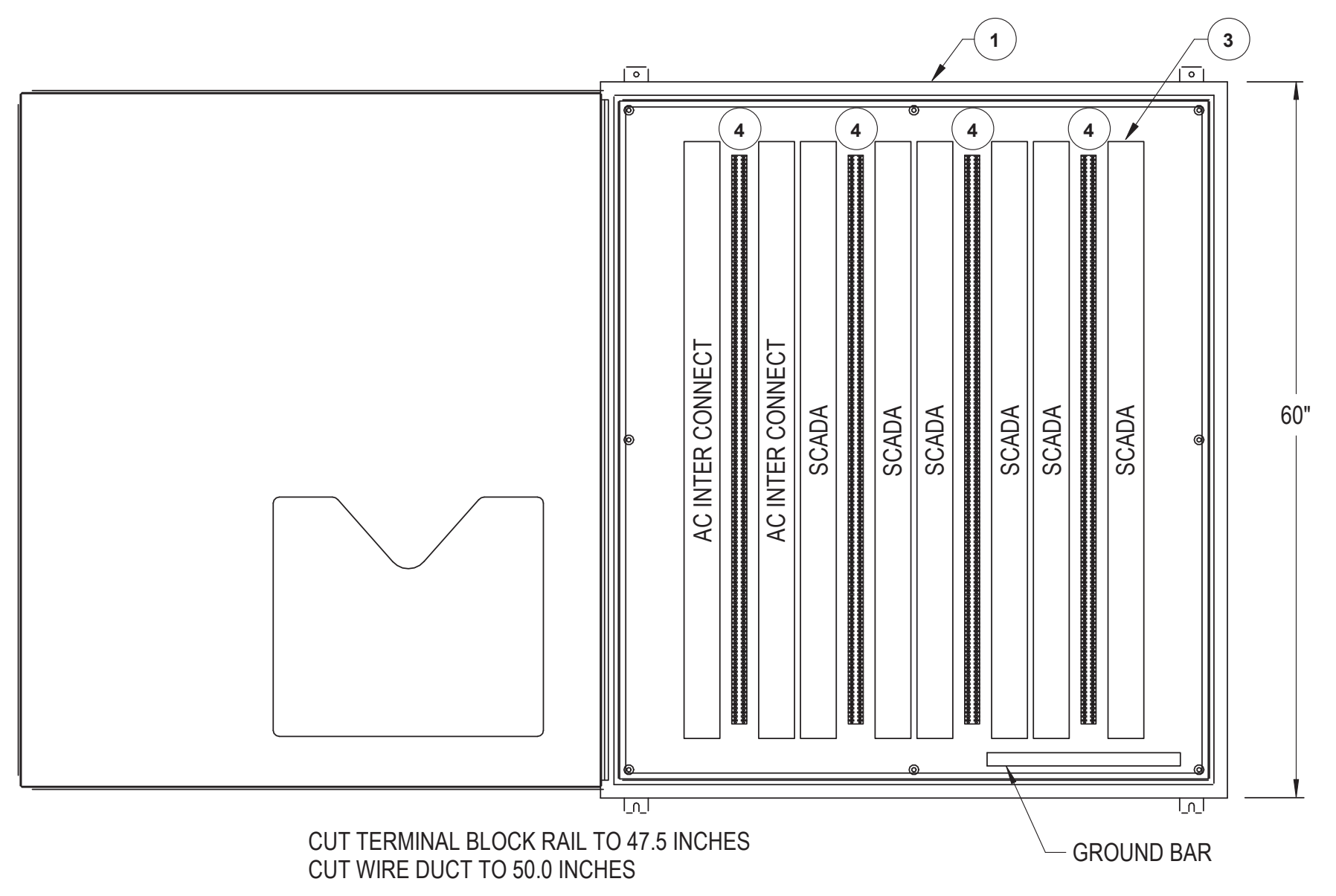
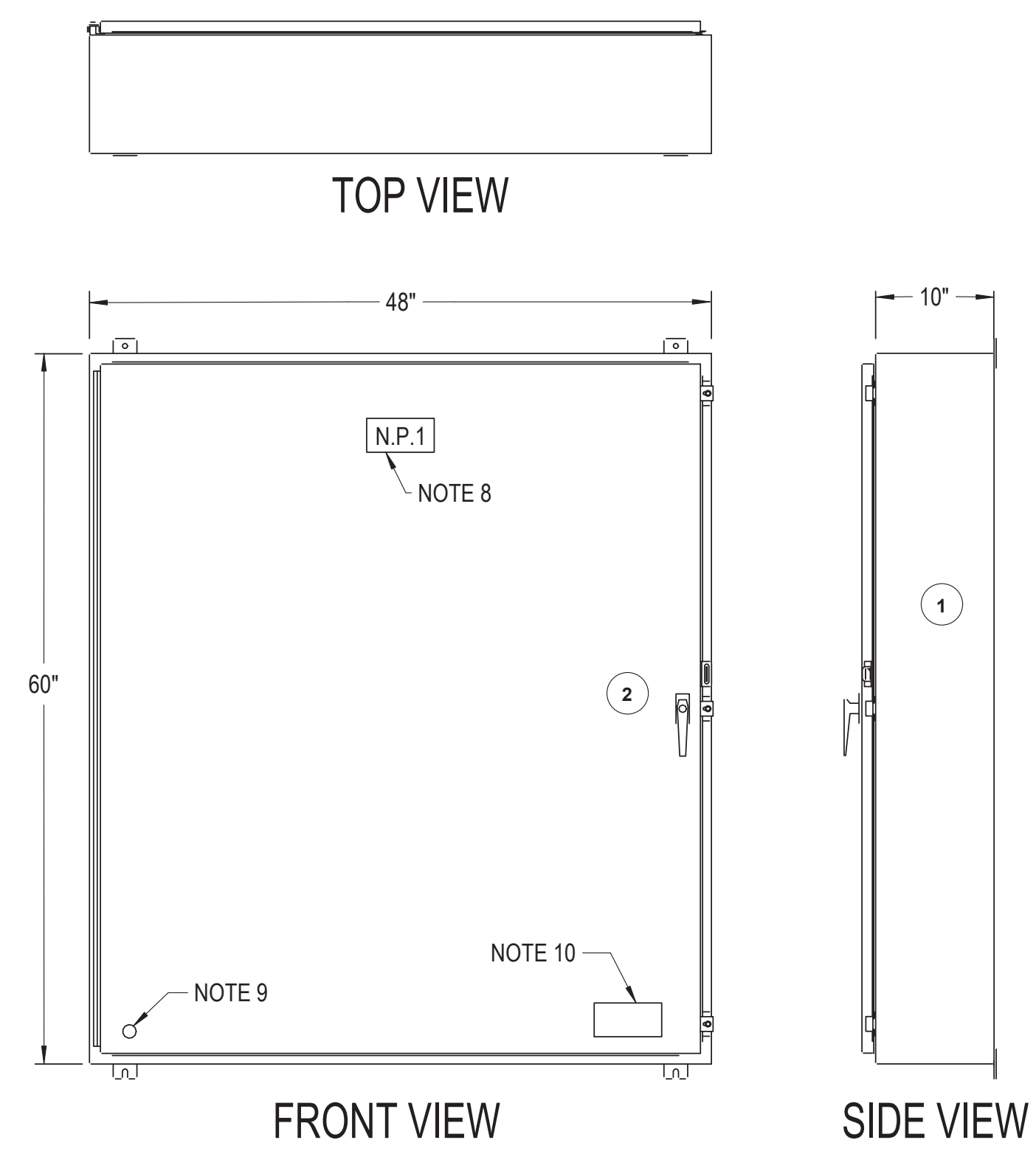
154 N DAMEN AVE - DAMEN GREEN LINE STATION
NORTH STAIR LIGHTING SECTION
 CDOT PROJECT D-7-135 DATE: 11/01/2019

SPEC. NO.
DRAWING NO. E20-06
REVISION NO.

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NOTES:

1. SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
3. ENCLOSURE SIMILAR TO HOFFMAN BULLETIN A12 EXCEPT MADE FROM 12 GAUGE GALVANEAL STEEL CONTINUOUSLY WELDED SEAMS, PRIMED AND FINISHED ANSI-61 WITH 12 GAUGE BACK SUB-PANEL PAINTED WHITE.
4. SUB PANEL MOUNTED WITH VIBRATION DAMPERS.
5. WIRE DUCT COVERS PROVIDED WITH USE IDENTIFICATION LABELS.
6. ASSEMBLY TO BEAR UL INDUSTRIAL CONTROL LABEL.
7. ALL CONTROL WIRING TO BE #14 AWG TYPE SIS, 19 STRAND, COPPER, 600 VOLTS ASSEMBLY TO BEAR UL 508 INDUSTRIAL CONTROL LABEL. ALL INTERNAL CONNECTIONS TO BE MADE WITH PANDUIT INSULATED RING TYPE LUGS WHEN POSSIBLE.
8. 2 X 6 WHITE WITH BLACK 3/8" LETTERS STAINLESS STEEL SCREW ATTACHED "INTERFACE TERMINAL CABINET ITS".
9. DOOR GROUND STUD.
10. MULTIPLE SOURCE LABEL.
11. DOOR TO BE GASKETED AND PROVIDED WITH CONTINUOUS STAINLESS STEEL HINGE. PROVIDE DOCUMENT HOLDER ON INSIDE FACE OF DOOR.
12. REFER TO DRAWING E60-07 FOR WIRING DIAGRAM.

1 INTERFACE TERMINAL CABINET (ITC)
12" = 1'-0"

LEGEND	
SYMBOL	DESCRIPTION
①	SEE NOTES 2, 4, 6, AND 11
②	3 POINT LEVER HANDLE LOCK KEYED CAT 60
③	WHITE NYLON WIRE DUCT 3 X 3 WITH COVER (NOTE 5)
④	3 POINT 30 AMPERE 600 VOLT SCREW TYPE TERMINAL BLOCKS

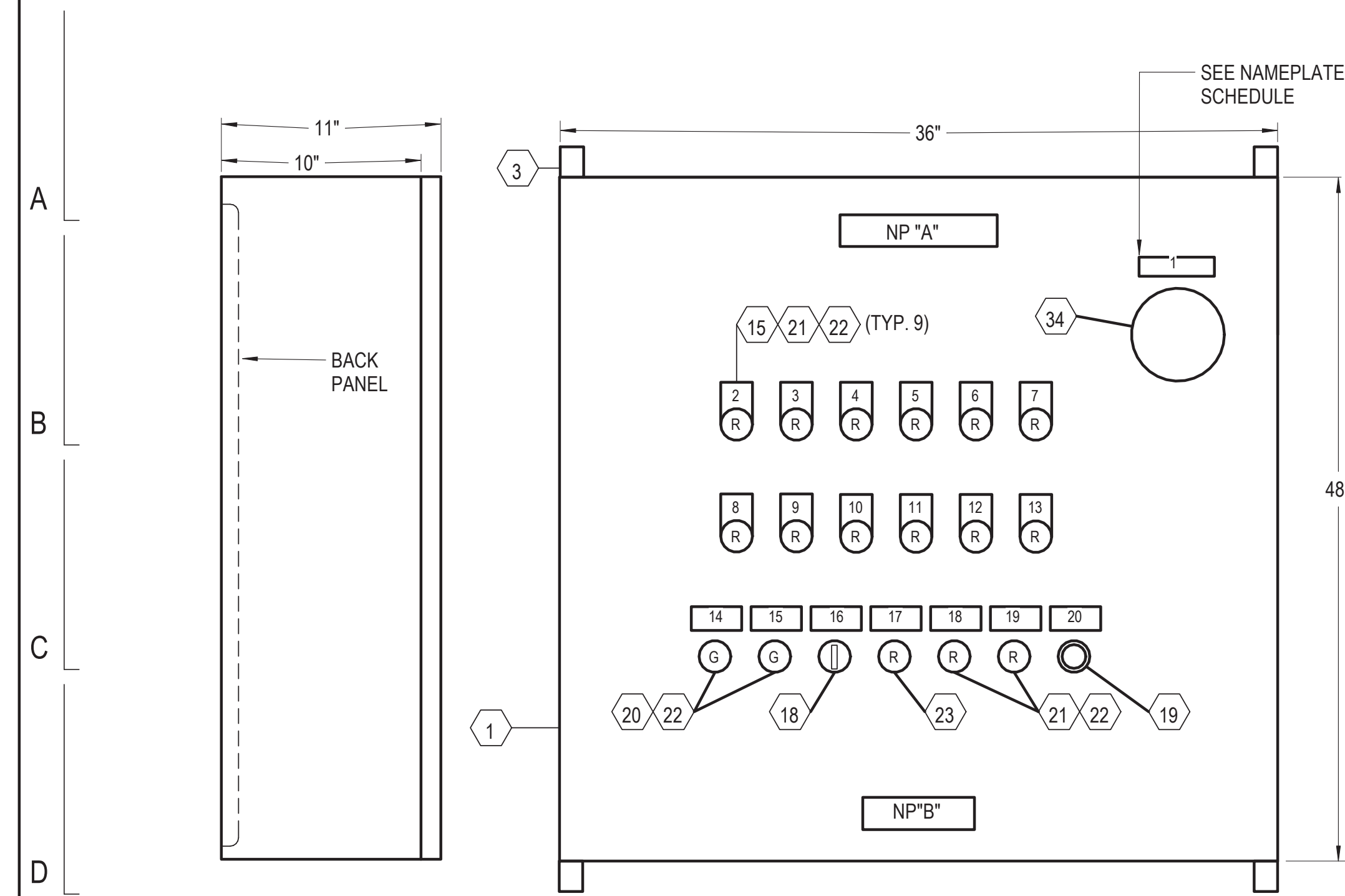
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DETAILS - ITC CABINET		DRAWING NO. E50-01
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.



LEFT SIDE VIEW

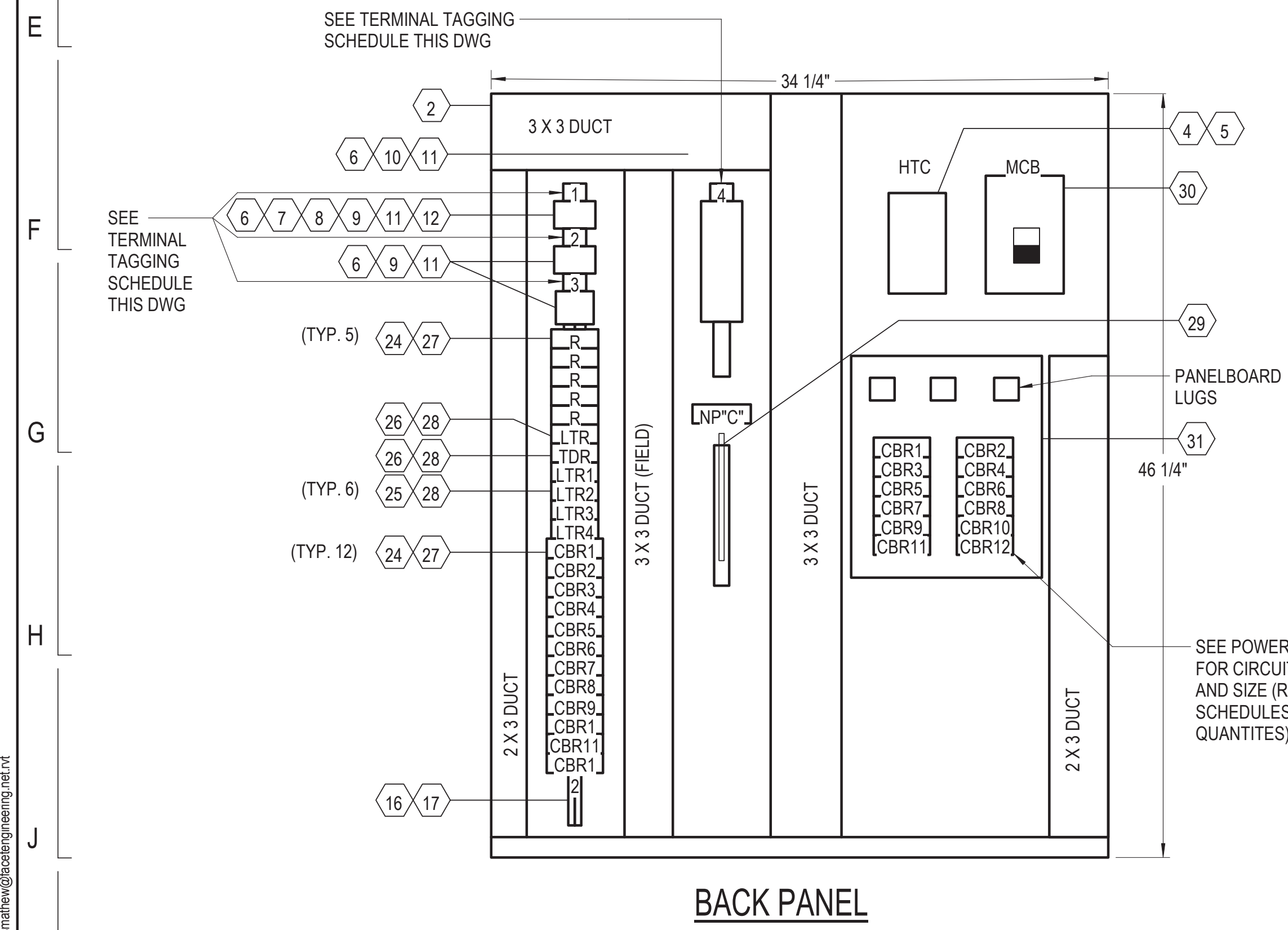
FRONT VIEW

ITEM	DESCRIPTION
1	60" HIGH X 36" WIDE X 10" DEEP, NEMA 12, CARBON STEEL ENCLOSURE
2	58 1/4" HIGH X 34 1/4" WIDE BACK PANEL
3	MOUNTING FOOT KIT
4	3 POLE, 200 AMP RESISTIVE, 120 VOLT COIL, 600 VOLT, IEG CONTACTOR
5	1-NO AND NC AUXILIARY CONTACT BLOCK
6	TYPE SHT5, LABEL HOLDER AND CLEAR COVER
7	TYPE WSI 6/2 LED, 600 VAC, 16 AMP, FUSE TERMINAL BLOCK
8	TYPE WAP 2/5-10, FUSE END SECTION
9	TYPE WDU4, 600 VAC, 35 AMP, #22 - #10 AWG, WEMID, TERMINAL
10	TYPE WDU10, 600 VAC, 65 AMP, #18 - #6 AWG, WEMID, TERMINAL BLOCK
11	TYPE WEW 35/2, WEMID END SECTION/ END BRACKET
12	5 AMP, 250 VOLT, 1/4" X 1 1/4" FUSE
13	2" WIDE X 3" HIGH WHITE WIRE DUCT WITH COVER
14	3" WIDE X 3" HIGH WHITE WIRE DUCT WITH COVER
15	GRAVOPLY LEGEND PLATE
16	RELAY SOCKET MOUNTING RAIL
17	END CLAMP
18	3 POSITION, MAINTAINED, FINGER-SAFE SELECTOR SWITCH
19	1 NO., BLACK, MOMENTARY, FINGER-SAFE PUSH BUTTON
20	120 VOLT AC, GREEN LED, PILOT LIGHT
21	120 VOLT AC, RED LED, PILOT LIGHT
22	COVER FOR "APW" PILOT LIGHT
23	120 VOLT AC, RED LED, MOMENTARY, FINGER-SAFE ILLUMINATED PUSH BUTTON
24	DPDT, 10 AMP, 120 VOLT AC COIL, BLADE TYPE RELAY
25	4PDT, 3 AMP, 120 VOLT AC COIL, BLADE TYPE RELAY
26	DPDT, 5 AMP, 120 VOLT AC COIL, ADJUSTABLE 3 SEC TO 30 MIN TIME RANGE, ON DELAY, TIMER
27	250 VOLT, 10 AMP, 8 BLADE, FINGER-SAFE SOCKET
28	250 VOLT, 7 AMP, 14 BLADE, FINGER-SAFE SOCKET
29	30 CIRCUIT, 200 AMP, EQUIPMENT GROUND BAR WITH ONE #1- #4/0 LUGS
30	3 POLE, 150 AMP, 100,000 AIC, 240 VOLT, THERMAL MAGNETIC MAIN CIRCUIT BREAKER
31	208/120 VOLT, 3 PHASE, 4 WIRE, 225 AMP, MAIN LUGS ONLY, COPPER BUS, 12 SPACE, PANELBOARD
32	1 POLE, 20 AMP, 120 VOLT, BOLT-ON, 30 MILLIAMPER GROUND FAULT TRIP, CIRCUIT
33	1 POLE CIRCUIT BREAKER HANDLE PADLOCK
34	DOOR-MOUNTED CIRCUIT BREAKER OPERATING MECHANISM

TERMINAL TAGGING SCHEDULE			
NP	FIRST LINE	SECOND LINE	THIRD LINE
1	TB1	FUSE FU1 5 AMP	CONTROL POWER
2	TB2	AMBIENT THERMOSTAT	INPUT
3	TB3	ALARM	OUTPUT
4	TB4	LOAD POWER	

- NOTES:**
- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
 - THIS DRAWING IS A STANDARD DRAWING FOR HEAT TRACE PANELS. THE CONTRACTOR SHALL PROVIDE MODIFICATIONS (SIZE, RATING, CB/CONTACTOR QUANTITY) AS REQUIRED.

NAMEPLATE SCHEDULE					
NP	FIRST LINE	SECOND LINE	NP	FIRST LINE	SECOND LINE
1	MAIN DISCONNECT		11	CIRCUIT BREAKER	NO. 10 OFF
2	CIRCUIT BREAKER	NO. 1 OFF	12	CIRCUIT BREAKER	NO. 11 OFF
3	CIRCUIT BREAKER	NO. 2 OFF	13	CIRCUIT BREAKER	NO. 12 OFF
4	CIRCUIT BREAKER	NO. 3 OFF	14	POWER ON	
5	CIRCUIT BREAKER	NO. 4 OFF	15	HEAT TRACE CONTACTOR	ENERGIZED
6	CIRCUIT BREAKER	NO. 5 OFF	16	HEAT TRACE	HAND OFF AUTO
7	CIRCUIT BREAKER	NO. 6 OFF	17	COMMON ALARM	PUSH TO ACKNOWLEDGE
8	CIRCUIT BREAKER	NO. 7 OFF	18	HEAT TRACE CONTACTOR	FAILURE ALARM
9	CIRCUIT BREAKER	NO. 8 OFF	19	HEAT TRACE	LOW TEMP.
10	CIRCUIT BREAKER	NO. 9 OFF	20	LAMP TEST	



BACK PANEL

1 HEAT TRACE FREEZE PROTECTION PANEL HTC
12" = 1'-0"

NAMEPLATE "A"

MATERIAL:
1 1/4" X 7" WHITE GRAVOPLY WITH BLACK LETTERS.
FOAM ADHESIVE TAPE. 1/4" LETTER SIZE N.T.S.

NAMEPLATE "B"

MATERIAL:
3 1/2" X 4" WHITE GRAVOPLY WITH BLACK LETTERS.
FOAM ADHESIVE TAPE. 1/8" AND 1/4" LETTER SIZE N.T.S.

USE 75°C MINIMUM COPPER CONDUCTORS FOR FIELD WIRE

NAMEPLATE "C"

MATERIAL:
1" X 2" WHITE GRAVOPLY WITH BLACK LETTERS.
FOAM ADHESIVE TAPE. 3/16" LETTER SIZE N.T.S.

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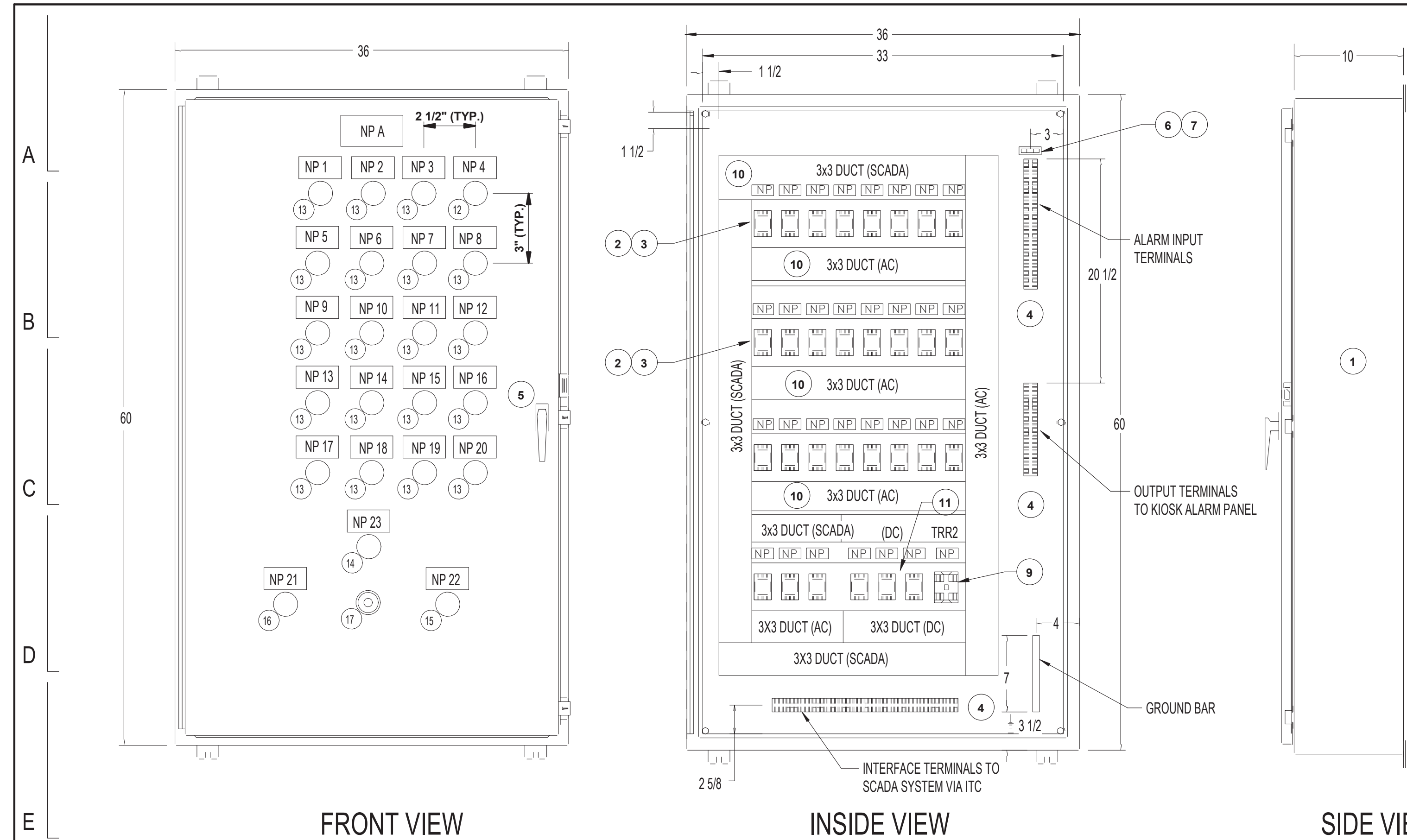
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DETAILS - HEAT TRACE PANEL		DRAWING NO. E50-02
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

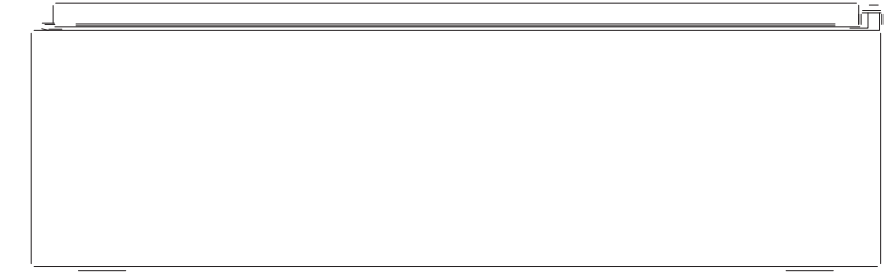
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FRONT VIEW

INSIDE VIEW

SIDE VIEW



TOP VIEW

BILL OF MATERIAL (FOR INFORMATION ONLY)

ITEM NO.	QTY.	MANUFACTURER	CATALOG NUMBER	DESCRIPTION
1	1	HOFFMAN	A-63610LP, A-60P36	NEMA 12 ENCLOSURE 60" X 36" X 10" WITH BACKPAN
2	23	POTTER-BRUMFIELD	KRPA-14AN-120	3PDT RELAY 120VOLT WITH NEON INDICATOR
3	23	SQUARE D	8501-NR61	11 PIN SOCKET DIN RAIL MOUNT
4	AS REQ'D +25%	USD	NSS3	3 POINT 30AMP 600 VOLT SCREW TYPE TERMINAL BLOCK
5	1	CORBIN	1000	3 POINT LEVER HANDLE LOCK KEYED CAT 60
6	2	BUSSMAN	FNQR-10	FUSE 10 AMP TIME DELAY
7	2	BUSSMAN	BC-6031SQ	FUSE BLOCK MIDGET CLASS CC
8	1	ALLEN-BRADLEY	700PK400A1	CONTROL RELAY 4 POLE TYPE PK 20 AMP MASTER CONTACT 120 VOLT COIL
9	1	ALLEN-BRADLEY	700PKLL11A1	TYPE PK RELAY MECHANICAL LATCH ATTACHMENT 20 AMP CONTACT 120 AC COIL
10	AS REQ'D	PANDUIT	G3X3WH6, C3WH6	WHITE NYLON WIRE DUCT 3 X 3 WITH COVER
11	3	SQUARE D	RUMC3AB2ED	3PDT 48 VOLT DC RELAY
12	1	CUTLER HAMMER	10250T221LRP06	TRANSFORMER TYPE 120-6 VOLT PUSH TO TEST INDICATING LIGHT WITH GREEN LENS AND GREEN LED
13	19	CUTLER HAMMER	10250T221LRP06	TRANSFORMER TYPE 120-6 VOLT PUSH TO TEST INDICATING LIGHT WITH RED LENS AND RED LED
14	2	CUTLER HAMMER	10250T221LRP06	TRANSFORMER TYPE 120-6 VOLT PUSH TO TEST INDICATING LIGHT WITH AMBER LENS AND AMBER LED
15	1	CUTLER HAMMER	10250T101, 10250T53	BLACK PUSHBUTTON OPERATOR 1 N.C. CONTACT BLOCK
16	1	CUTLER HAMMER	10250T101, 10250T51	BLACK PUSHBUTTON OPERATOR 1 N.O. CONTACT BLOCK
17	1	MALLORY	SC110N	SONALERT ALARM BUZZER CONTINUOUS TONE 120V AC 80dB

ALL CONTROL WIRING AWG #14 TYPE SIS, 19 STRAND, COPPER, 600 VOLTS ASSEMBLY TO BEAR UL 508 INDUSTRIAL CONTROL LABEL.
 ALL INTERNAL CONNECTIONS TO BE MADE WITH PANDUIT INSULATED RING TONGUE LUGS WHEN POSSIBLE.
 CONNECTIONS TO RELAY SOCKETS MADE WITH PANDUIT INSULATED LOCKING FORK LUGS.

NAMEPLATES		
NAME PLATE	ENGRAVING	
NP A	LINE 1	STATION RELAY ALARM
	LINE 2	CONTROL PANEL RCP
NP 1	LINE 1	SOURCE 1 SERVICE
	LINE 2	POWER FAILURE
NP 2	LINE 1	SOURCE 2 SERVICE
	LINE 2	POWER FAILURE
NP 3	LINE 1	UPS ALARM
	LINE 2	-
NP 4	LINE 1	CONTROL POWER
	LINE 2	POWER AVAILABLE
NP 5	LINE 1	FIRE ALARM
	LINE 2	SYSTEM TROUBLE
NP 6	LINE 1	LOSS OF HEAT
	LINE 2	TRACE
NP 7	LINE 1	ELEVATOR #1
	LINE 2	ALARM
NP 8	LINE 1	ELEVATOR #2
	LINE 2	ALARM
NP 9	LINE 1	ELEVATOR #1
	LINE 2	EMERGENCY STOP
NP 10	LINE 1	ELEVATOR #2
	LINE 2	EMERGENCY STOP
NP 11	LINE 1	ELEVATOR #1 PIT
	LINE 2	HIGH WATER
NP 12	LINE 1	ELEVATOR #2 PIT
	LINE 2	HIGH WATER
NP 13	LINE 1	ELEVATOR #1
	LINE 2	CALL BUTTON
NP 14	LINE 1	ELEVATOR #2
	LINE 2	CALL BUTTON
NP 15	LINE 1	ESCALATOR #1
	LINE 2	ALARM
NP 16	LINE 1	ESCALATOR #1
	LINE 2	HIGH WATER
NP 17	LINE 1	BOOSTER PUMP ALARM
	LINE 2	-
NP 18	LINE 1	SPARE
	LINE 2	-
NP 19	LINE 1	INTRUSION ALARM
	LINE 2	PLATFORM LEVEL
NP 20	LINE 1	INTRUSION ALARM
	LINE 2	STATION HOUSE
NP 21	LINE 1	ALARM
	LINE 2	SILENCE
NP 22	LINE 1	ALARM
	LINE 2	-
NP 23	LINE 1	COMMON
	LINE 2	ALARM

NAMEPLATES 1' X 2-1/2" WHITE WITH BLACK 1/8" LETTERS ATTACHED WITH STAINLESS STEEL HARDWARE
 NAMEPLATES SHOWN AS "*" ARE BLANK
 NAMEPLATES 18,19,20 - ARE ALSO INSIDE ADJACENT TO RELAYS

NOTES:

- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
- SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
- PANEL MOUNTED WITH VIBRATION DAMPERS.
- ALL RELAYS PROVIDED WITH RETAINING CLIPS.
- WIRE DUCT COVERS PROVIDED WITH USE IDENTIFICATION LABELS.
- ALL CONTROL WIRING AWG #14 TYPE SIS, 19 STRAND, COPPER, 600 VOLTS ASSEMBLY TO BEAR UL 508 INDUSTRIAL CONTROL LABEL.
- ALL INTERNAL CONNECTIONS TO BE MADE WITH PANDUIT INSULATED RING TONGUE LUGS WHEN POSSIBLE.
- CONNECTIONS TO RELAY SOCKETS MADE WITH PANDUIT INSULATED LOCKING FORK LUGS.
- REFER TO DRAWINGS E60-06, E60-07, AND E60-20 FOR ITC AND RCP DIAGRAMS.

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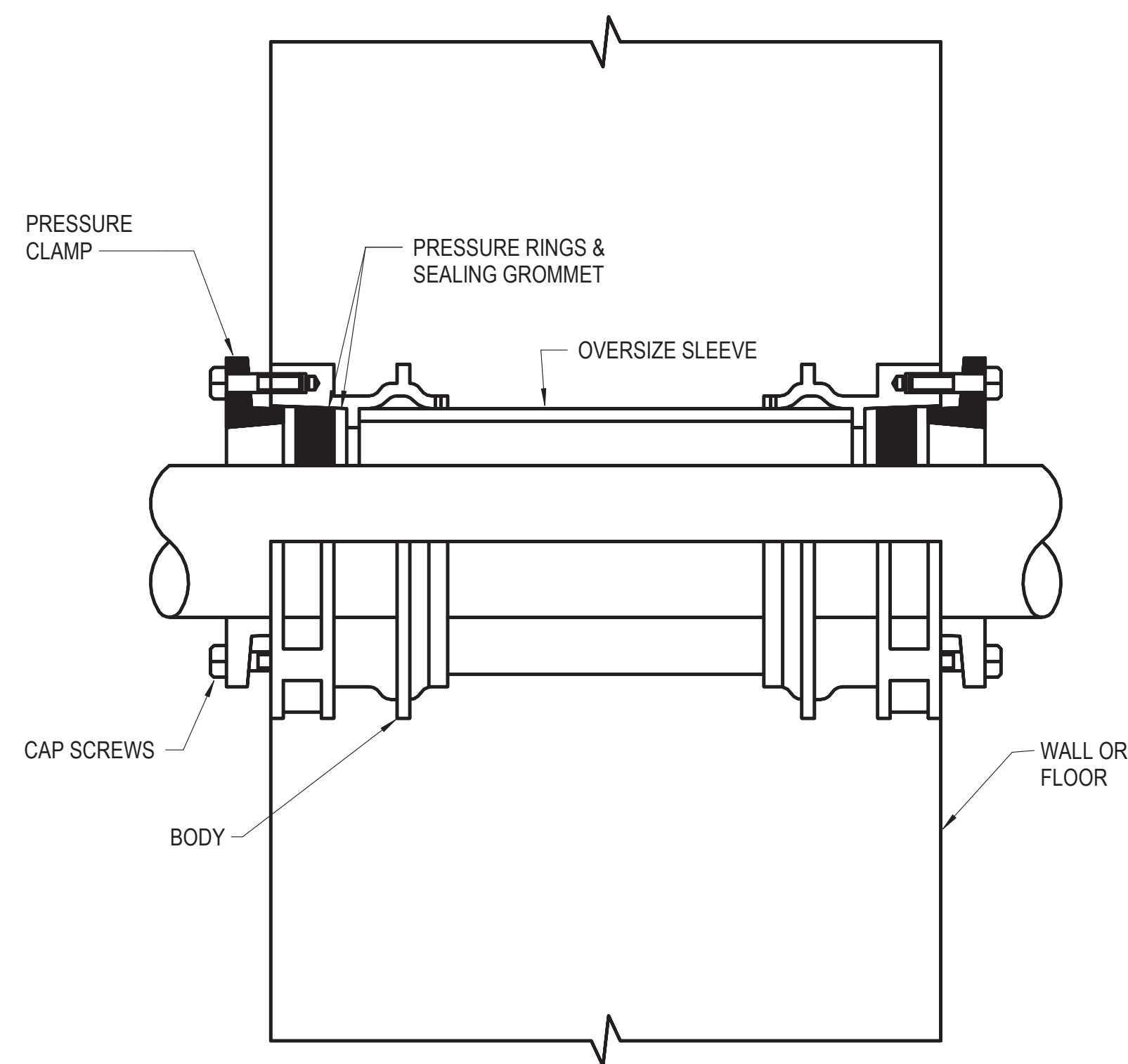


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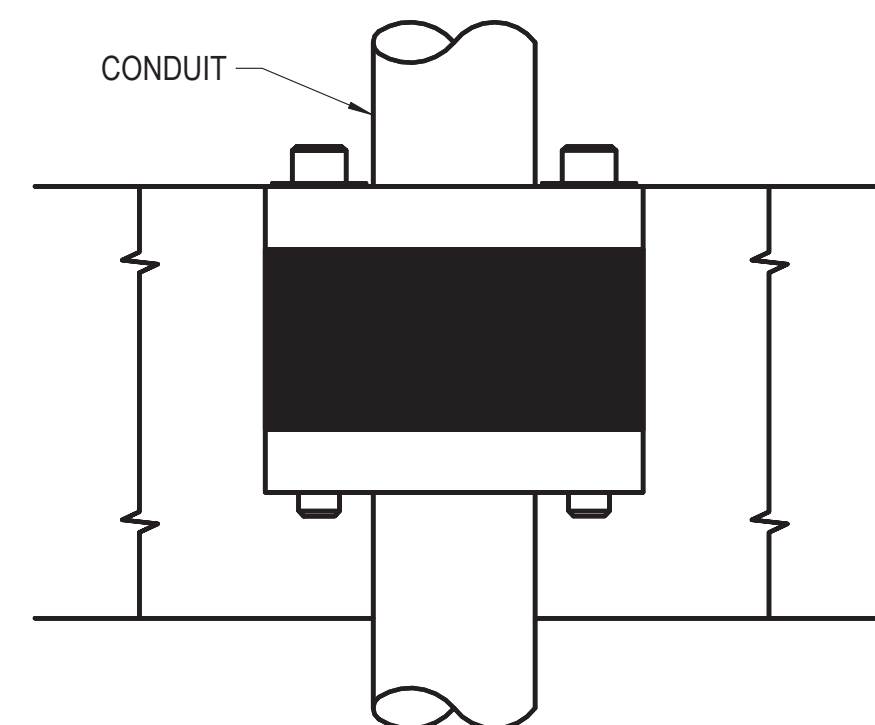
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DETAILS - RELAY CONTROL PANEL		DRAWING NO. E50-03
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

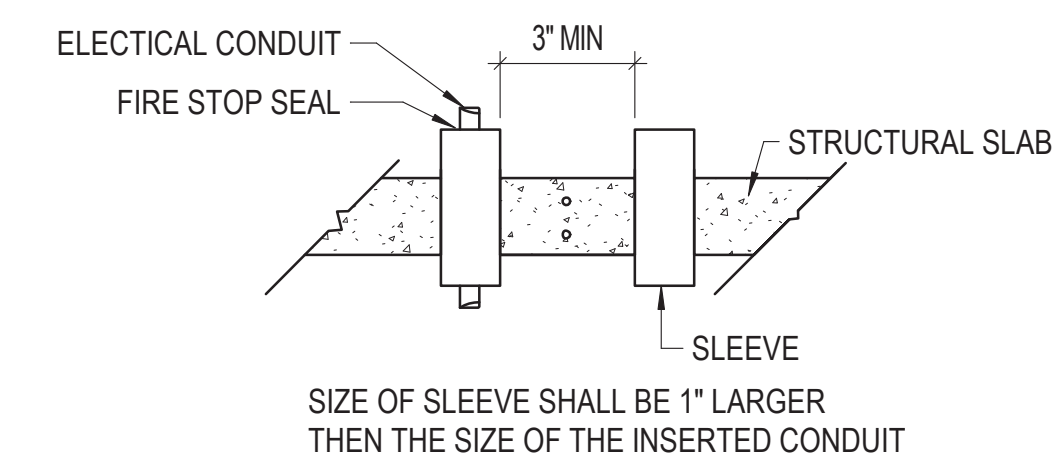
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1 THRUWALL AND FLOOR CONDUIT SEALS
N.T.S.

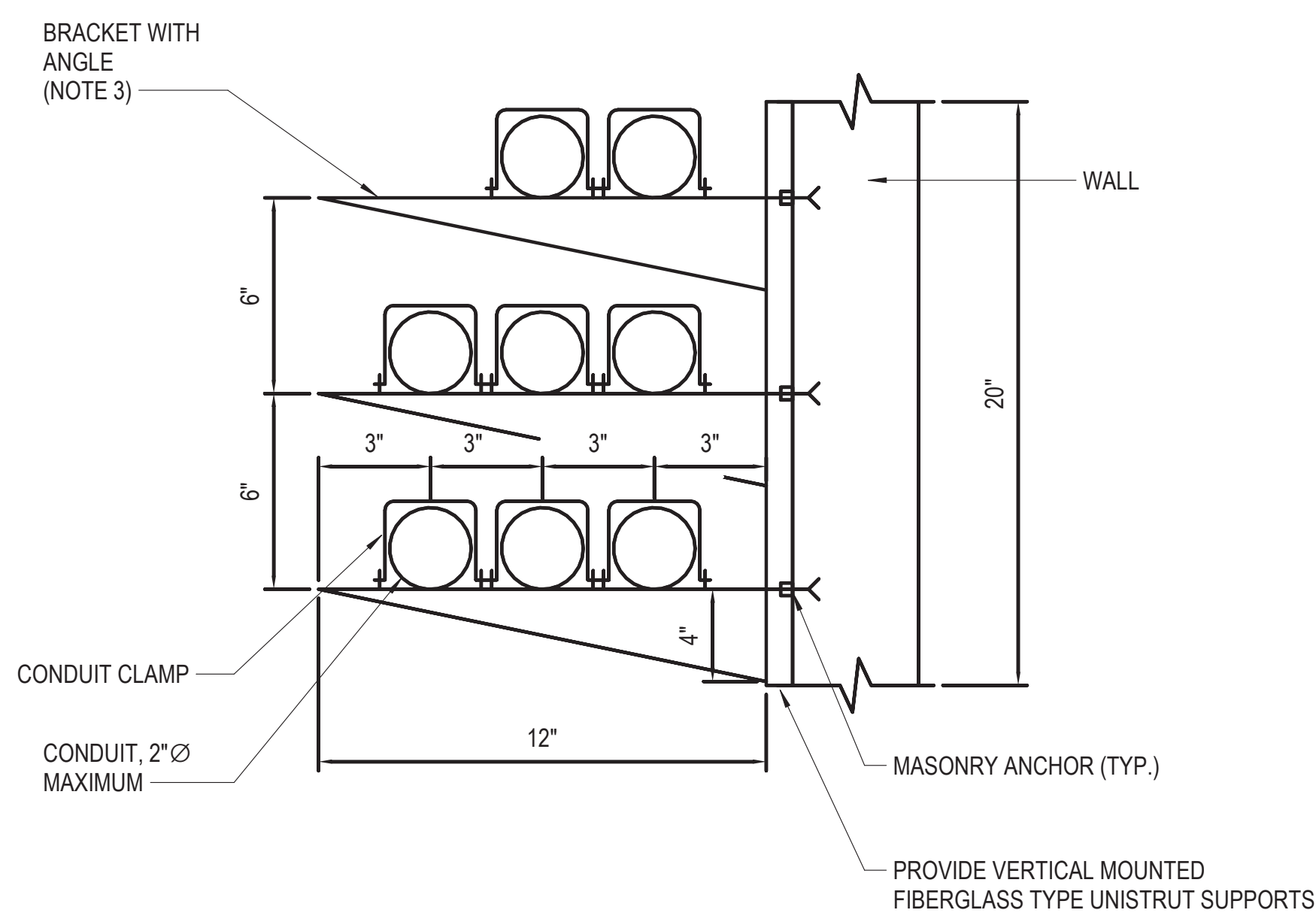


2 SEALING BUSHING
N.T.S.

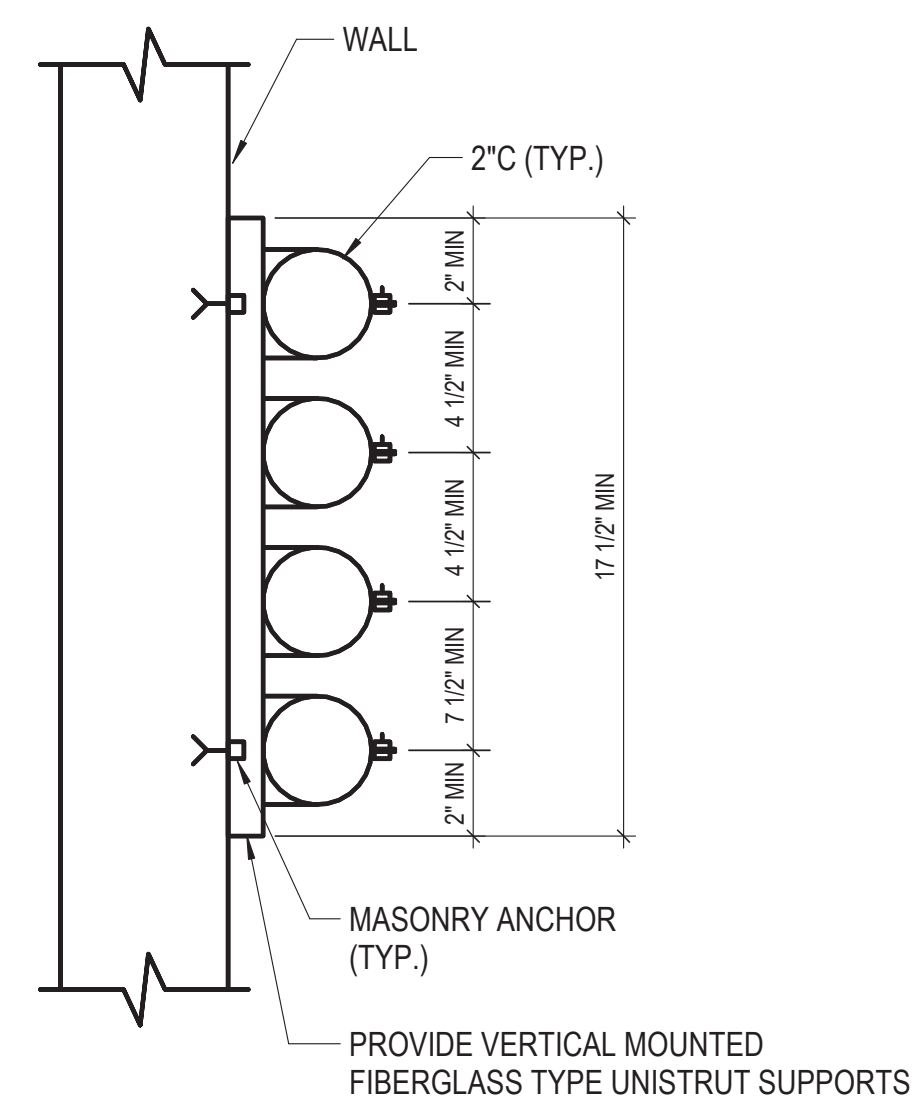


5 TYPICAL SLEEVE
1/8" = 1'-0"

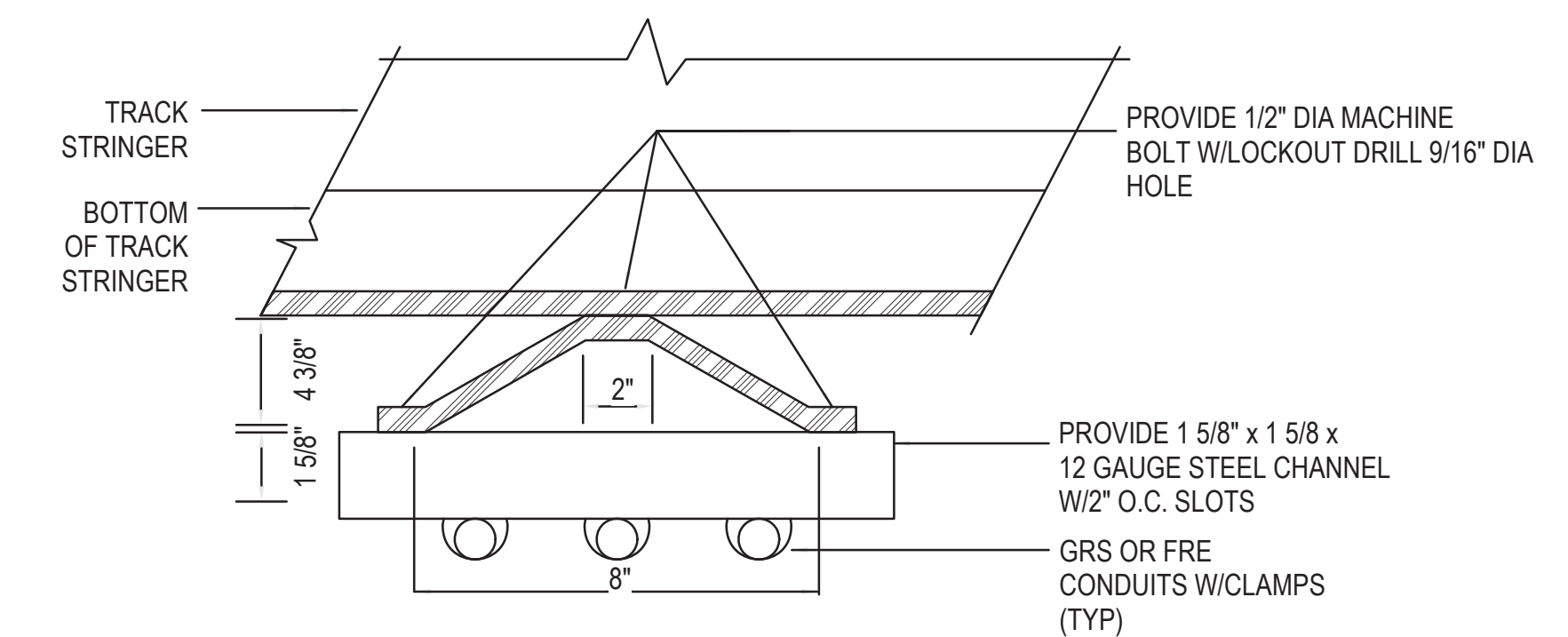
- NOTES:**
- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
 - CONDUITS MUST BE SUPPORTED SECURELY FASTENED SUPPORTED AT INTERVALS NOT EXCEEDING 7 FEET



3 CONDUIT MOUNTING DETAIL
N.T.S.



4 CONDUIT MOUNTING DETAIL
N.T.S.



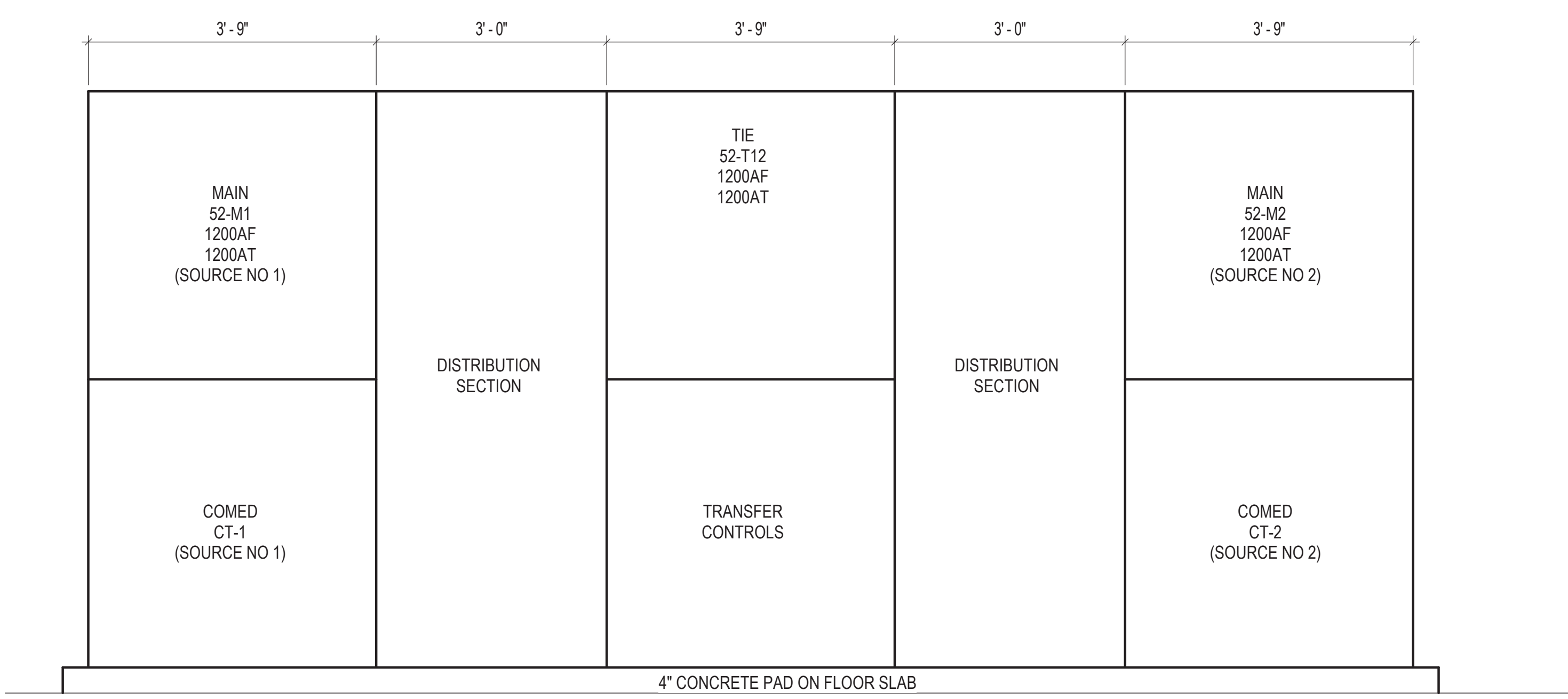
6 DETAILS - CONDUIT CROSSING GIRDER
1/8" = 1'-0"

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DRAWN BY:										FACET ENGINEERING										CHICAGO DEPARTMENT OF TRANSPORTATION										DETAILS - CONDUIT										DRAWING NO. E50-04																			
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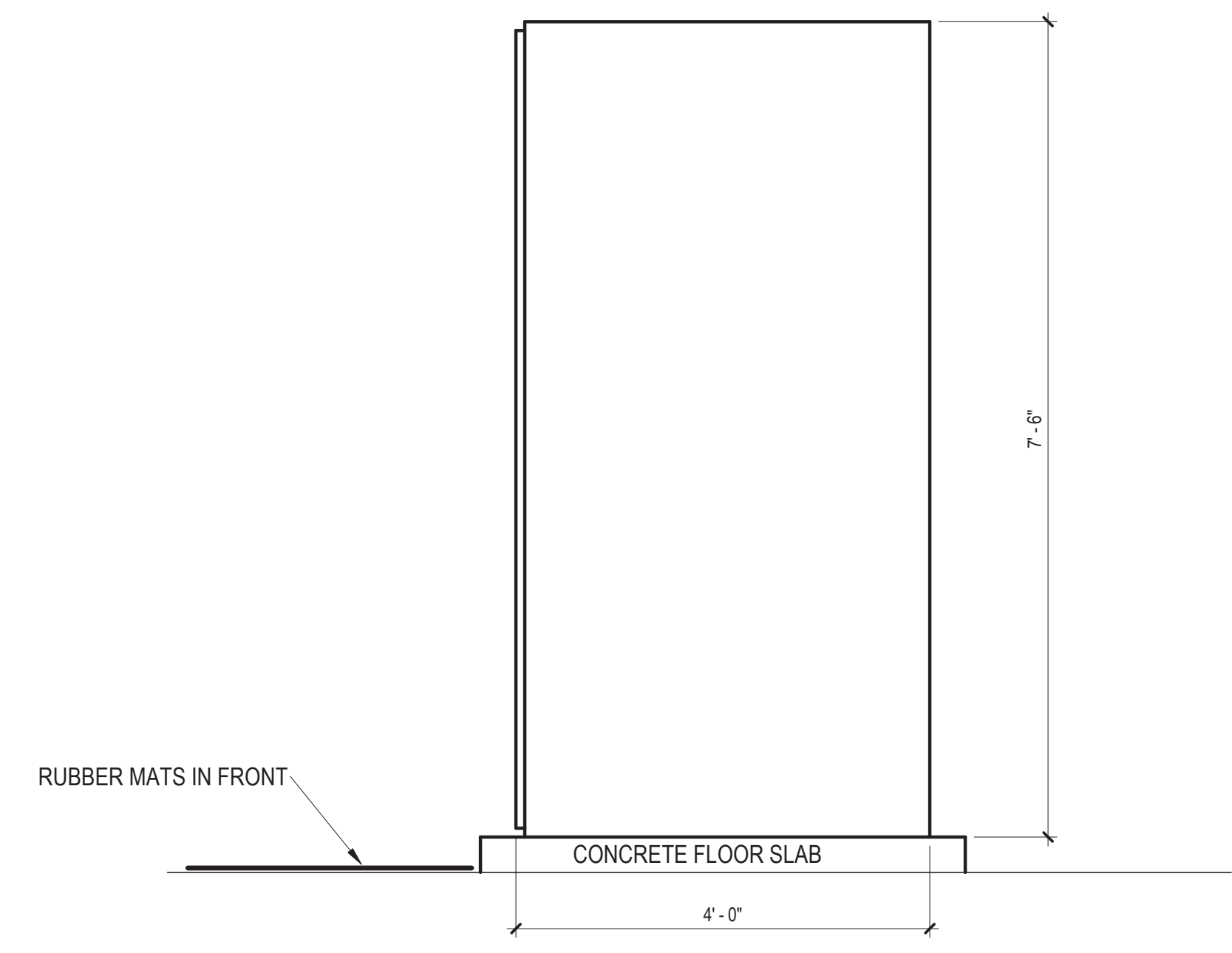
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- NOTES:**
- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.



① MAIN DISTRIBUTION SWITCHBOARD FRONT ELEVATION
3/4" = 1'-0"



② SWITCHBOARD SIDE ELEVATION
3/4" = 1'-0"

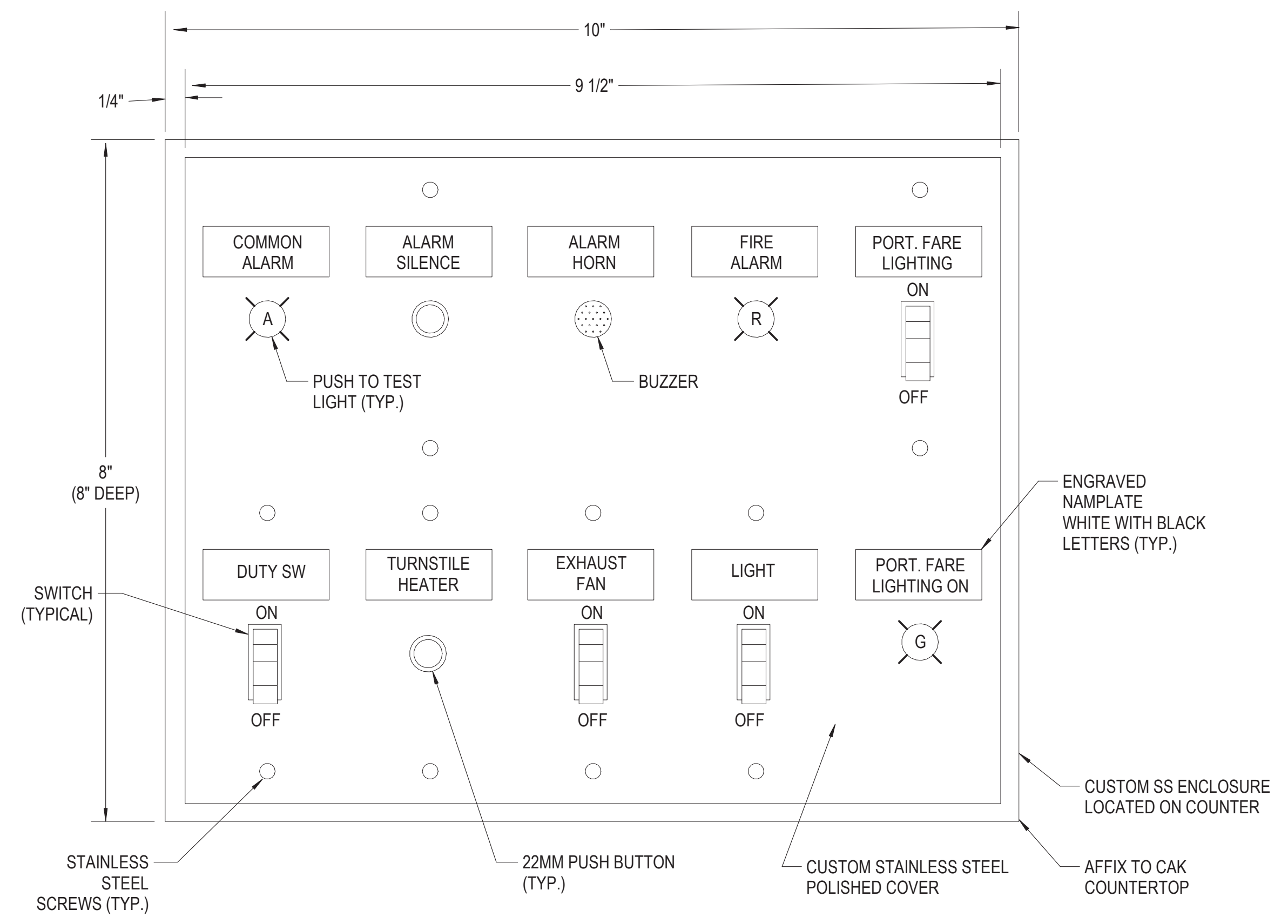
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154 N DAMEN AVE - DAMEN GREEN LINE STATION	SPEC. NO.
DETAILS - MAIN DISTRIBUTION SWITCHBOARD ELEVATIONS	DRAWING NO. E50-05
CDOT PROJECT D-7-135	REVISION NO.
DATE: 11/01/2019	



1 CUSTOMER ASSISTANCE KIOSK (CAK) SWITCH BANK, TYPICAL
12" = 1'-0"

NOTES:

1. SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.

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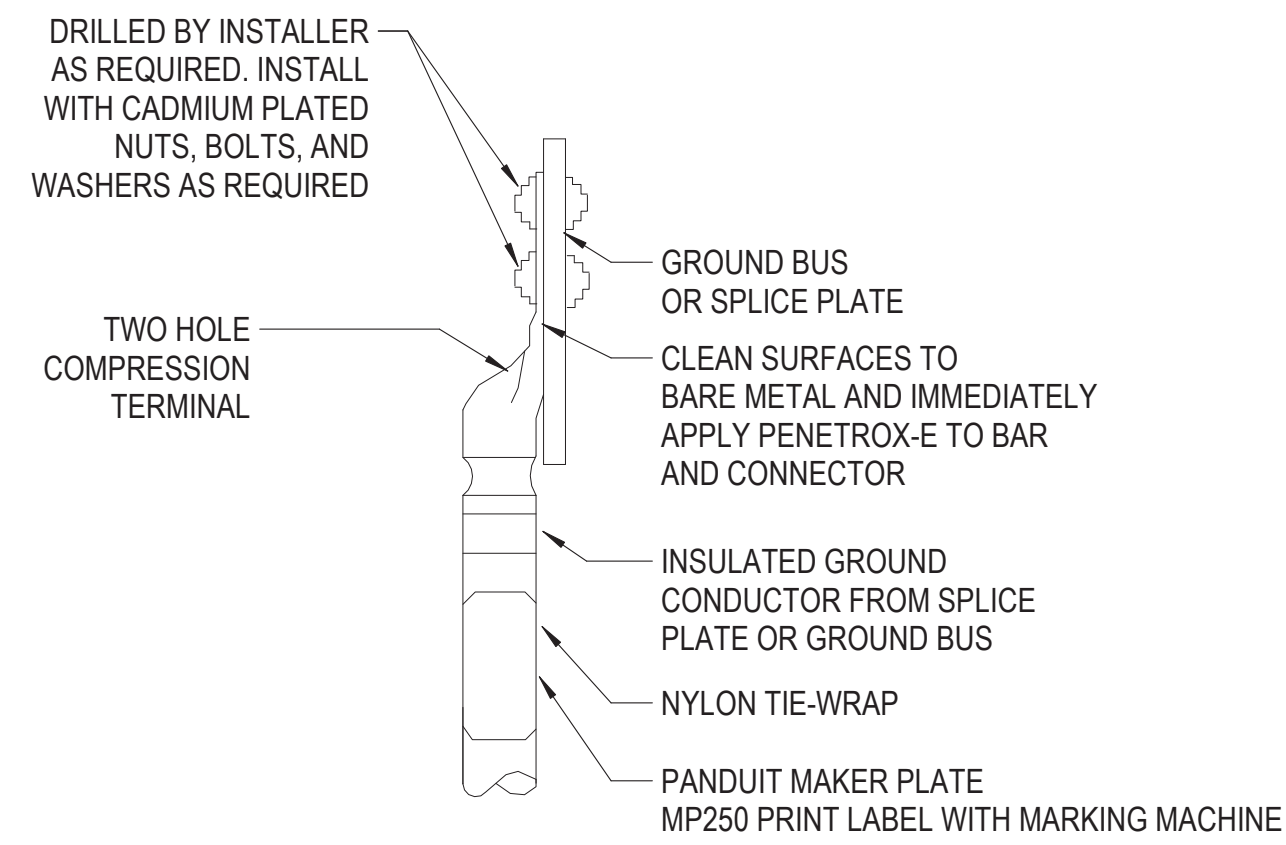
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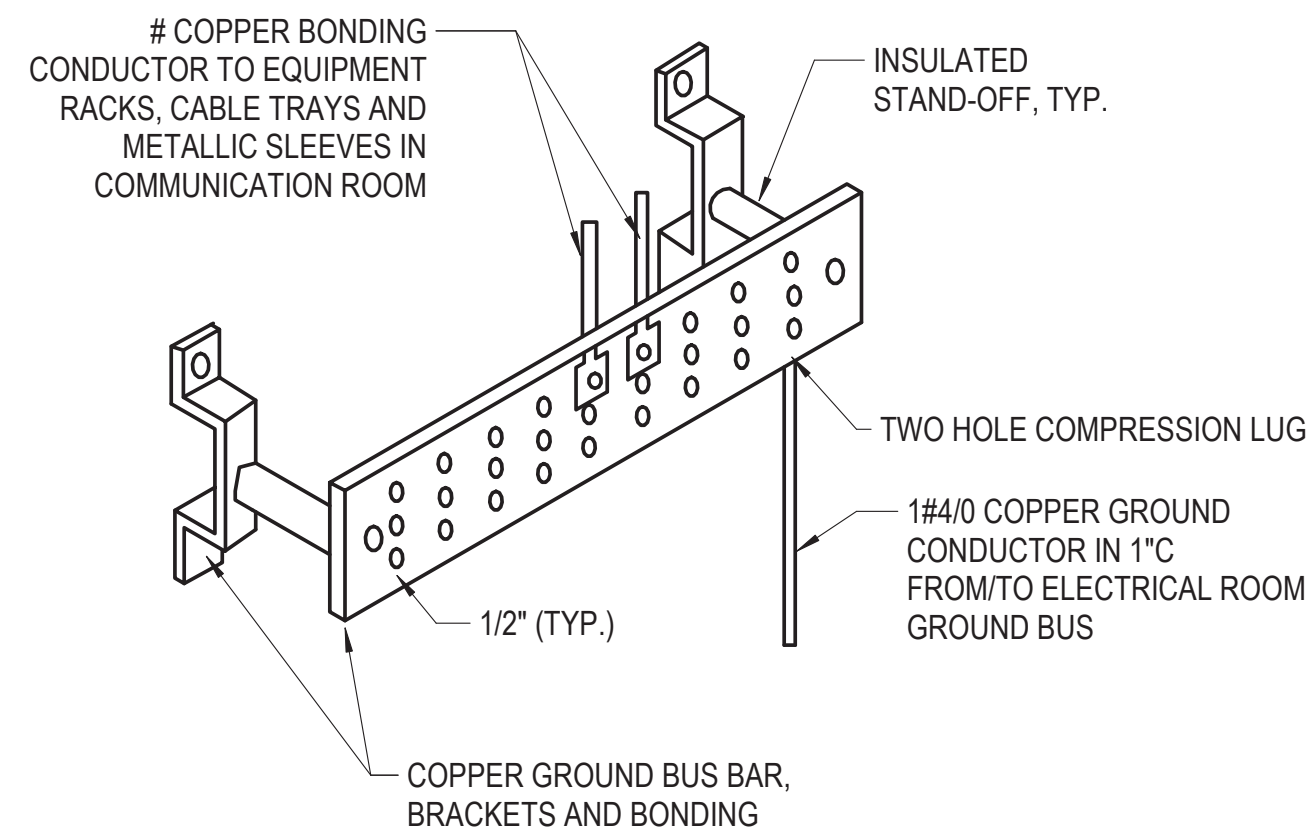
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DETAILS - CUSTOMER ASSISTANT KIOSK ALARM PANEL		DRAWING NO. E50-06
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

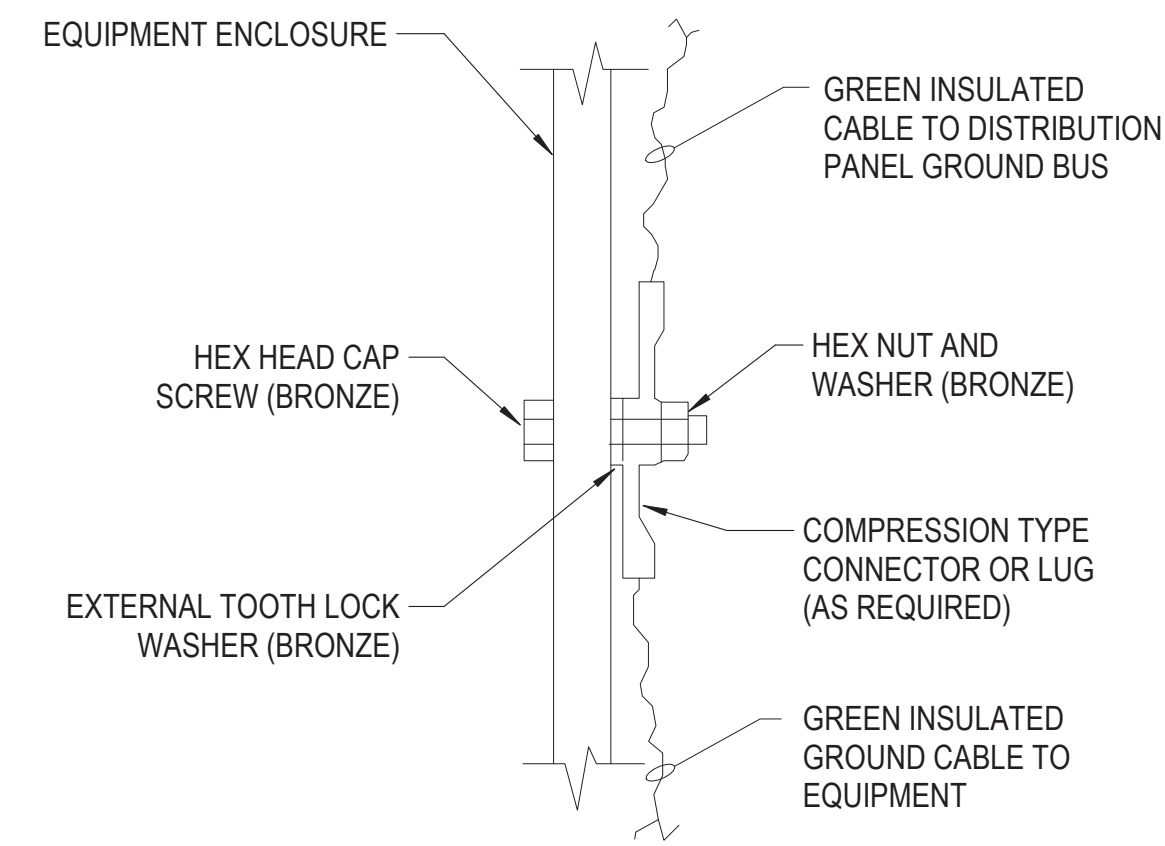


1 TYP. GROUND TERMINAL CONNECTION
12" = 1'-0"



DETAIL NOTES:
 A. MOUNT COPPER GROUND BAR AT +18" A.F.F. AND AROUND /OVER DOORWAYS.
 B. STANDOFF INSULATIONS MUST BE PROVIDED WHEN ZONING THE BAR.

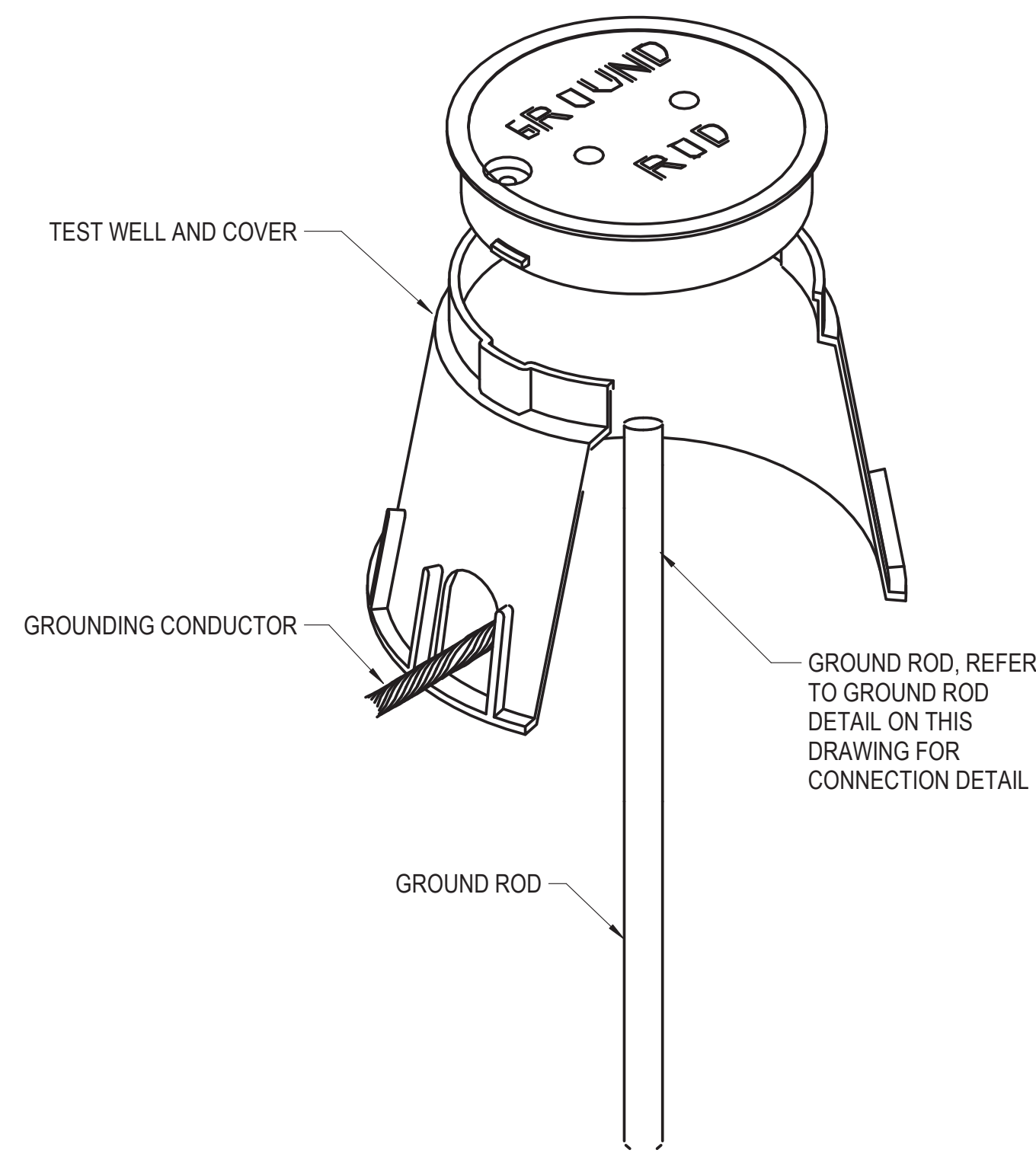
2 GROUND BUS BAR DETAIL
12" = 1'-0"



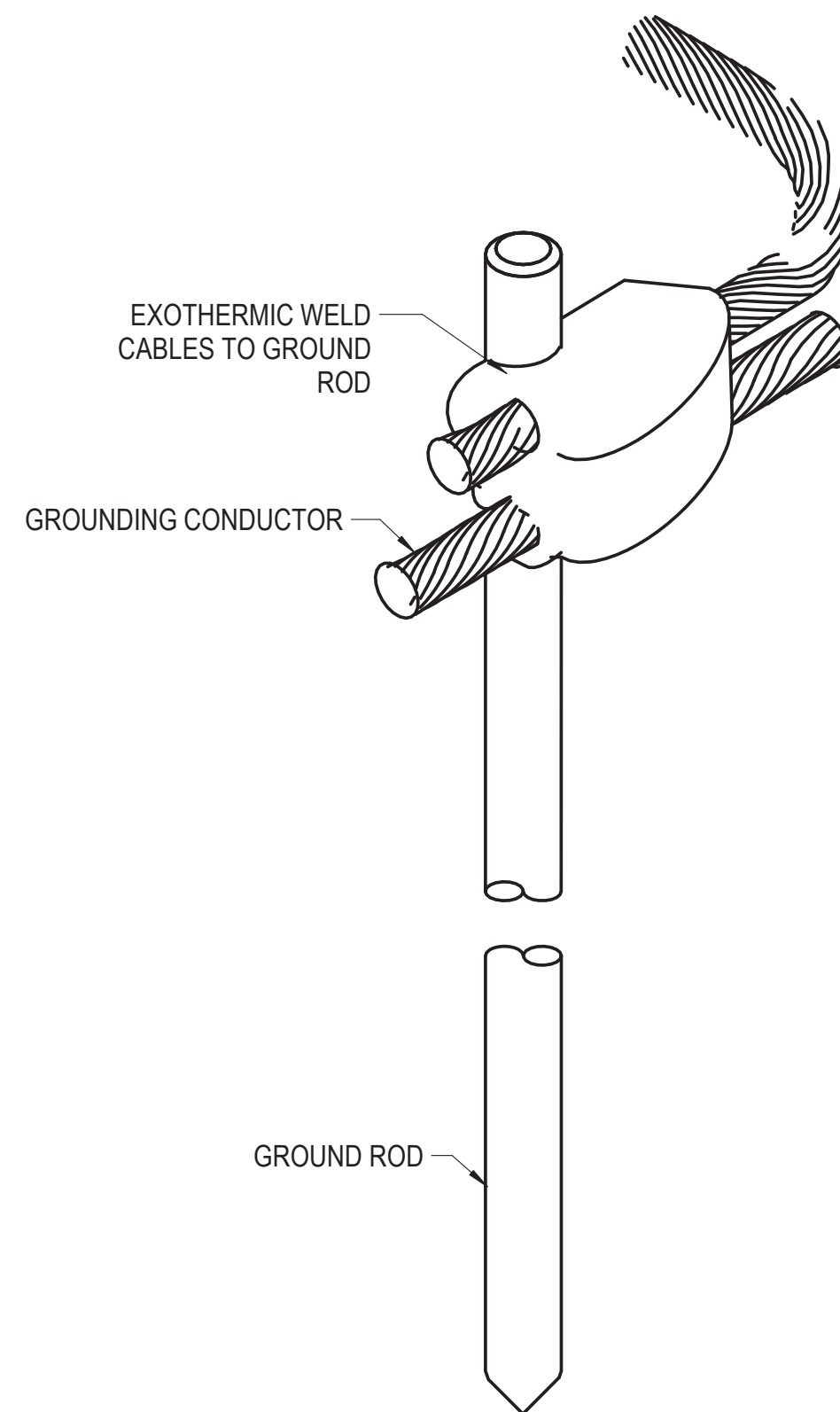
3 TYPICAL EQUIPMENT ENCLOSURE GROUNDING DETAIL
12" = 1'-0"

NOTES:

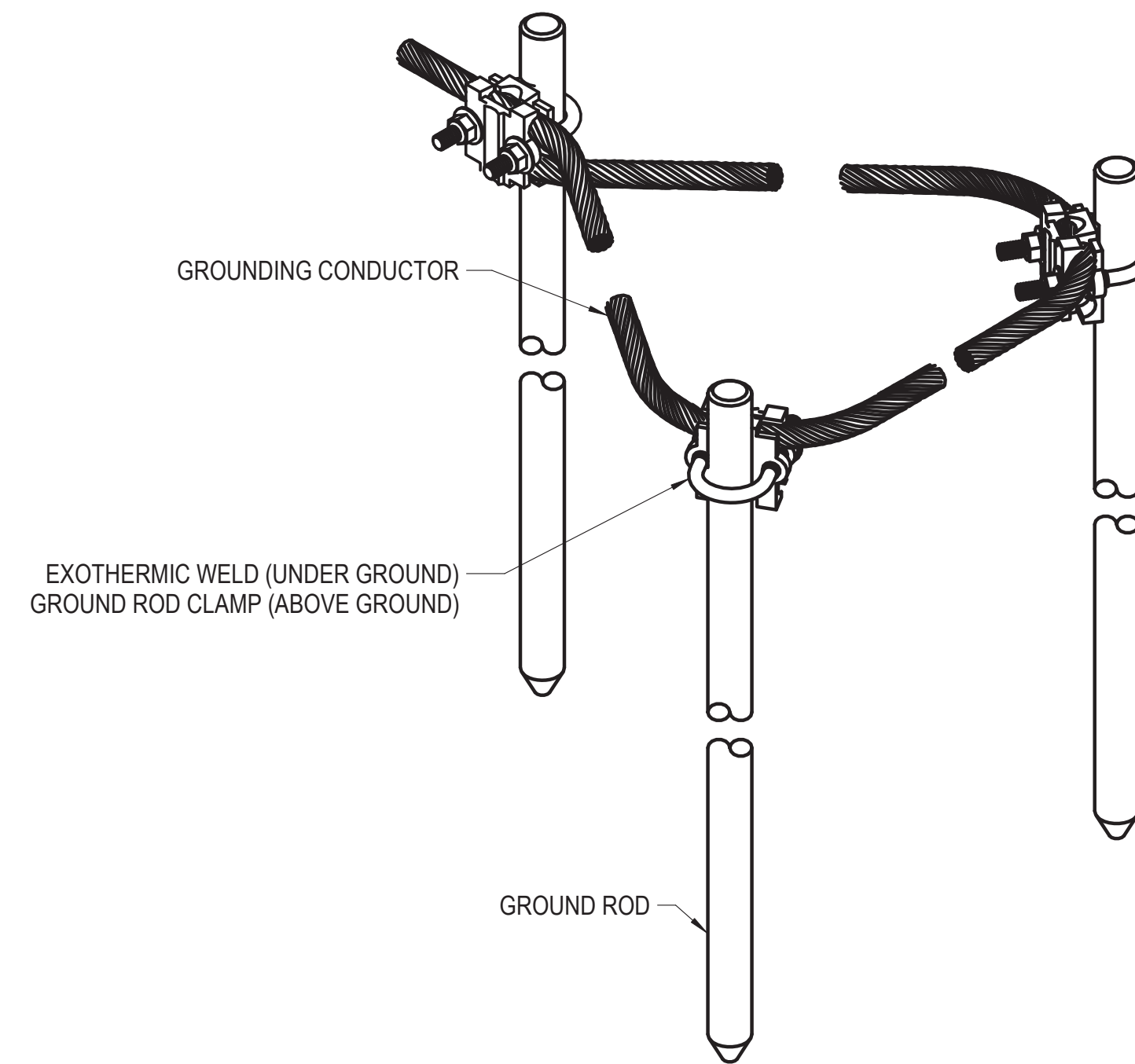
1. SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
3. REFER TO DRAWING E60-26 FOR SYSTEM GROUND DIAGRAM.



4 GROUND ROD TEST WELL DETAIL
12" = 1'-0"



5 UNDERGROUND ROD DETAIL
12" = 1'-0"



6 GROUND ROD DELTA DETAIL
12" = 1'-0"

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154 N DAMEN AVE - DAMEN GREEN LINE STATION

DETAILS - GROUNDING

SPEC. NO.

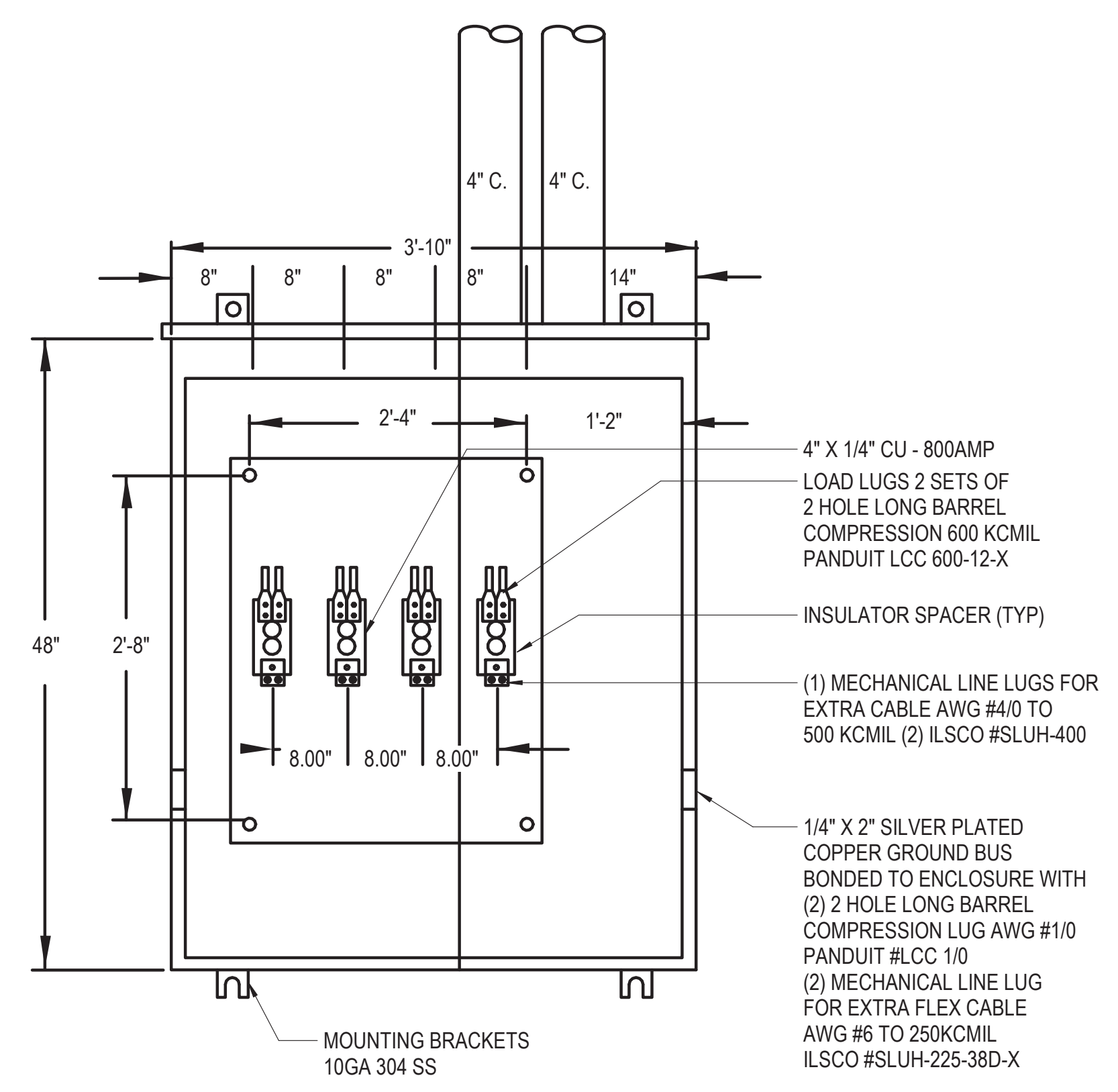
DRAWING NO.
E50-07

CDOT PROJECT D-7-135

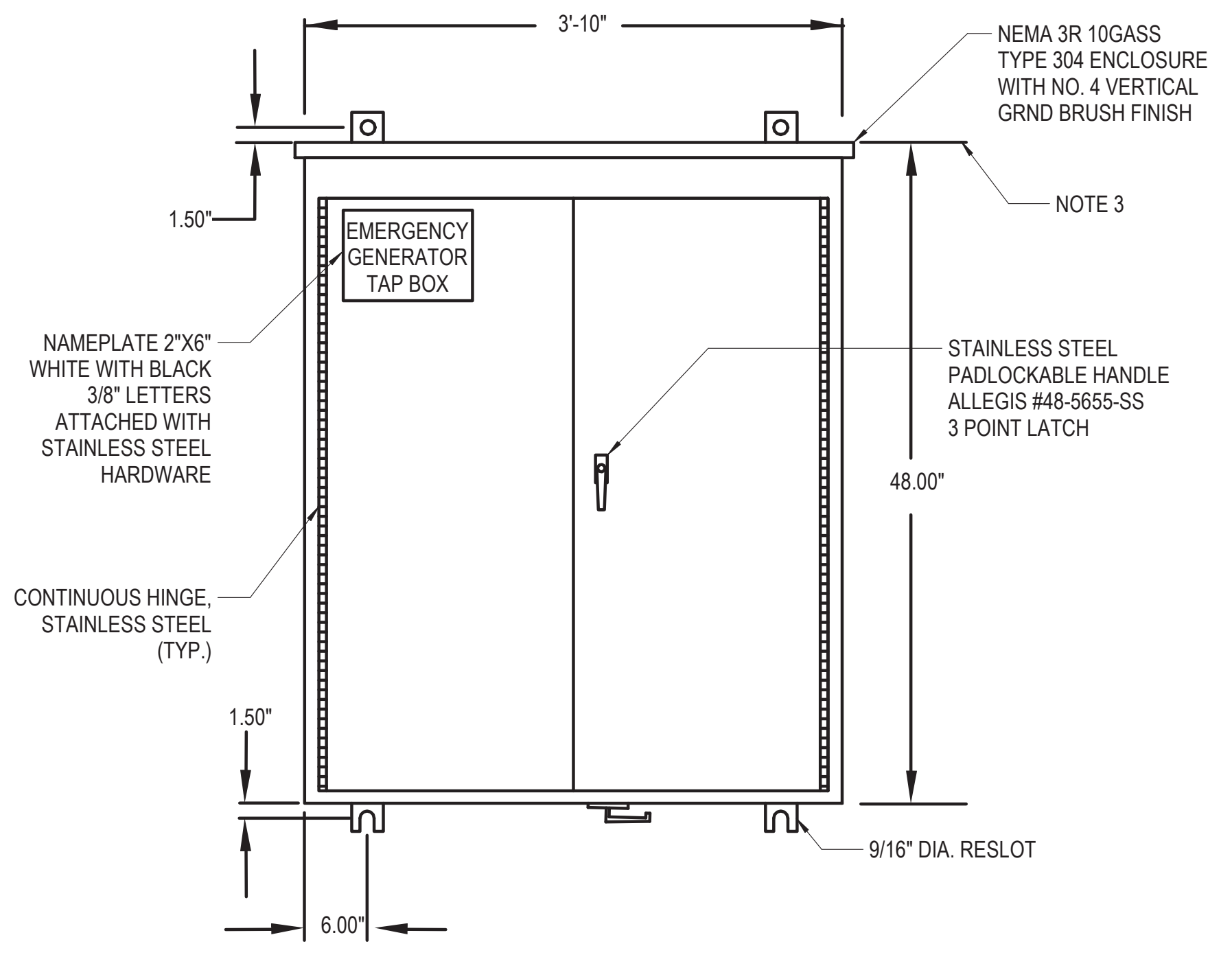
DATE: 11/01/2019

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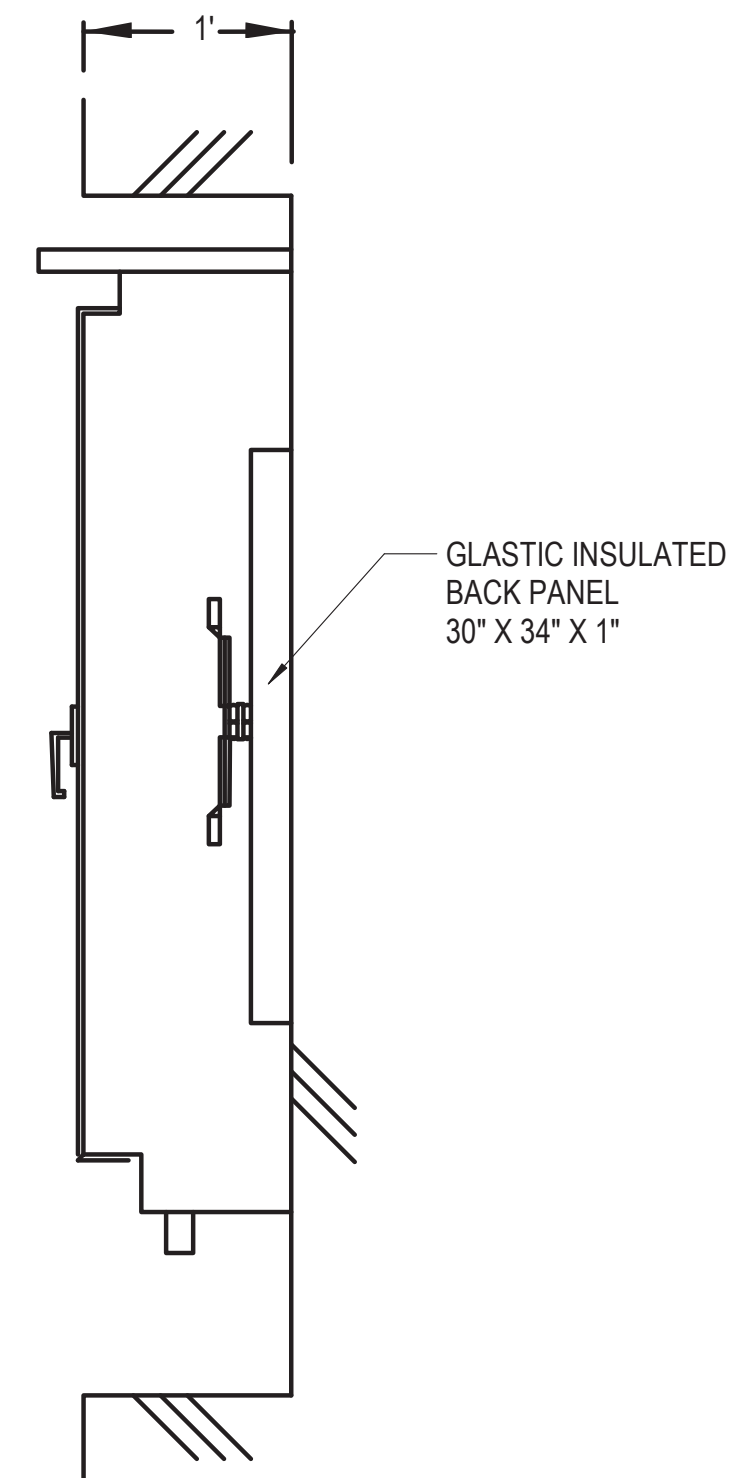
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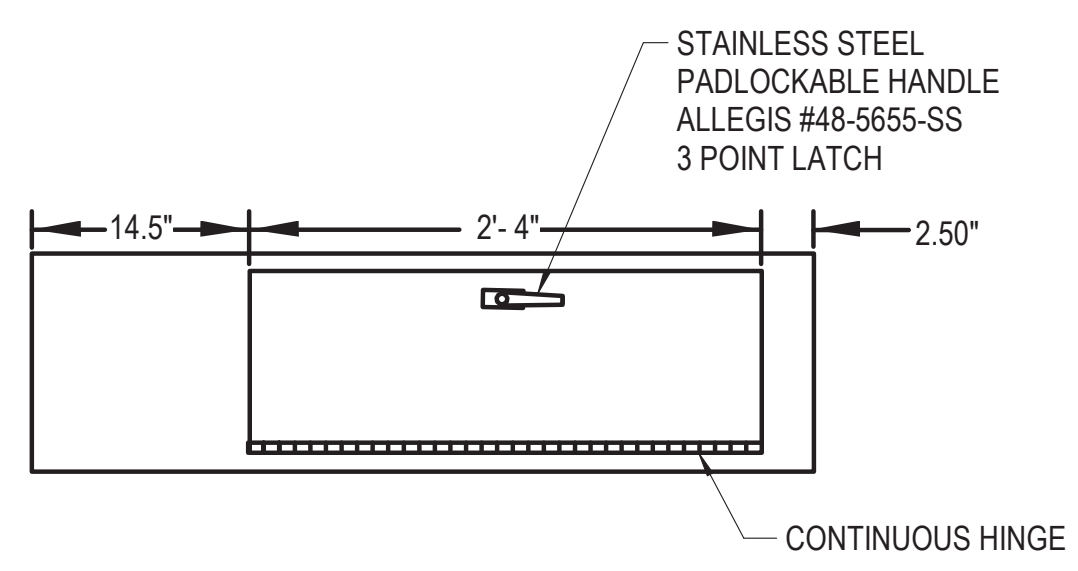
OPEN VIEW



FRONT VIEW



SECTION



BOTTOM VIEW

1 PORTABLE GENERATOR TAP BOX
12" = 1'-0"

NOTES:

1. SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
3. TOP OF GENERATOR TAP BOX SHALL BE NO GREATER THAN 6 FEET ABOVE FINISHED GRADE.

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DETAILS - GENERATOR TAP BOX

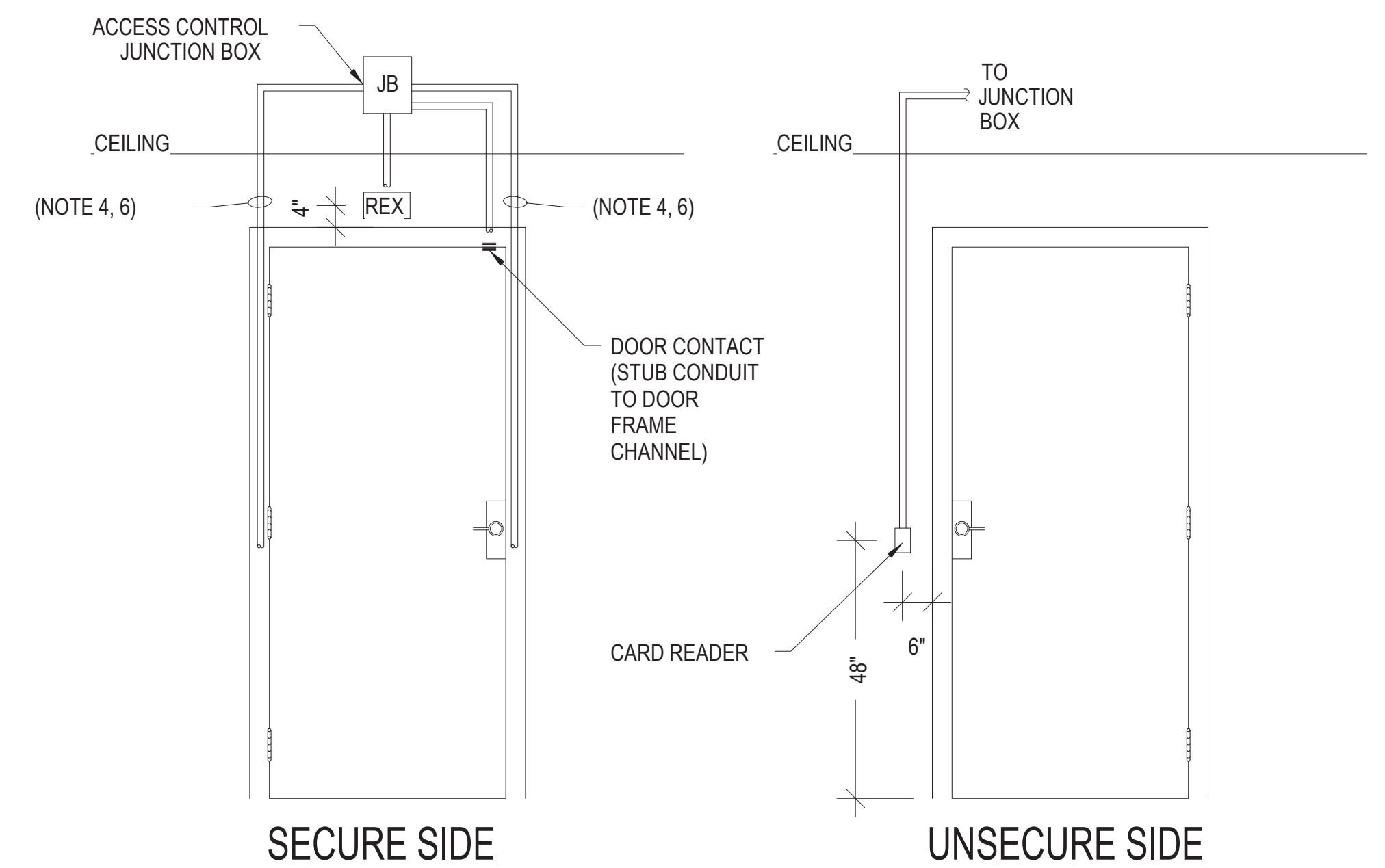
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DRAWING NO. E50-08
REVISION NO.

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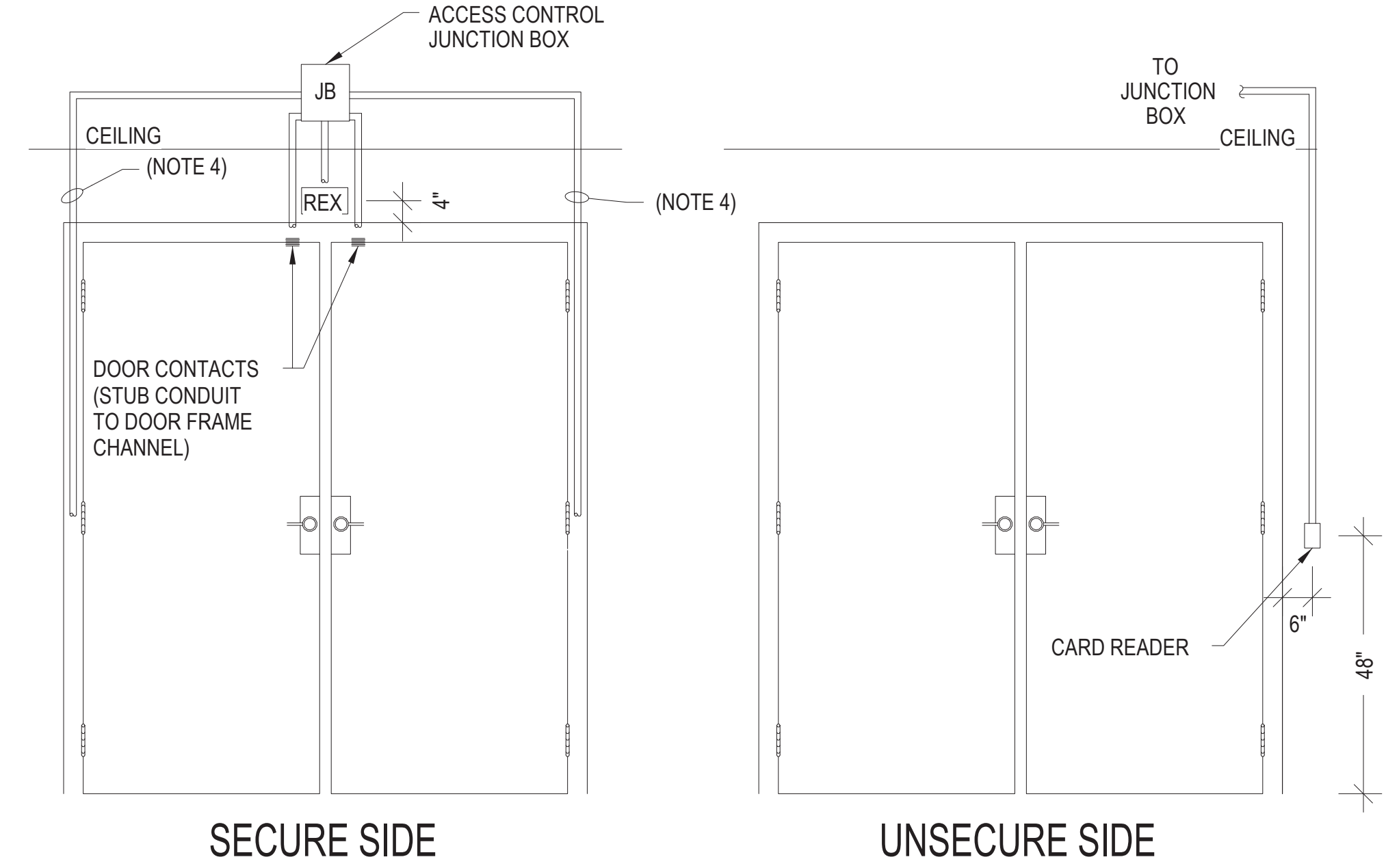
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NOTES:

1. ALL CONDUITS SHALL BE 3/4" UNLESS NOTED OTHERWISE.
2. REFER TO PLANS FOR EXACT DOOR SWING.
3. REFER TO AUTODOOR SHOP DRAWINGS FOR EXACT CONDUIT ROUGH-IN LOCATIONS.
4. FOR FILLED FRAMES, PROVIDE EXPOSED CONDUITS ON SECURE SIDE OF DOOR.
5. ALL CONDUITS ARE SHOWN RECESSED IN WALL. WHEN SURFACE-MOUNTED CONDUIT IS REQUIRED, ROUTE ON SECURED SIDE OF DOOR AND PENETRATE AT DEVICE LOCATION AS REQUIRED.
6. PROVIDE CONDUIT AT STRIKE SIDE OF DOOR FOR DOORS PREPPED FOR ELECTRIC STRIKES. PROVIDE CONDUIT AT HINGE SIDE OF DOOR FOR DOORS PREPPED FOR ELECTRIFIED DOOR HARDWARE.

1 ACCESS CONTROL AT SINGLE DOOR DETAILS
12" = 1'-0"



NOTES:

1. ALL CONDUITS SHALL BE 3/4" UNLESS NOTED OTHERWISE.
2. REFER TO PLANS FOR EXACT DOOR SWING.
3. REFER TO AUTODOOR SHOP DRAWINGS FOR EXACT CONDUIT ROUGH-IN LOCATIONS.
4. FOR FILLED FRAMES, PROVIDE EXPOSED CONDUITS ON SECURE SIDE OF DOOR.
5. ALL CONDUITS ARE SHOWN RECESSED IN WALL. WHEN SURFACE-MOUNTED CONDUIT IS REQUIRED, ROUTE ON SECURED SIDE OF DOOR AND PENETRATE AT DEVICE LOCATION AS REQUIRED.

2 ACCESS CONTROL AT DOUBLE DOOR DETAIL
12" = 1'-0"

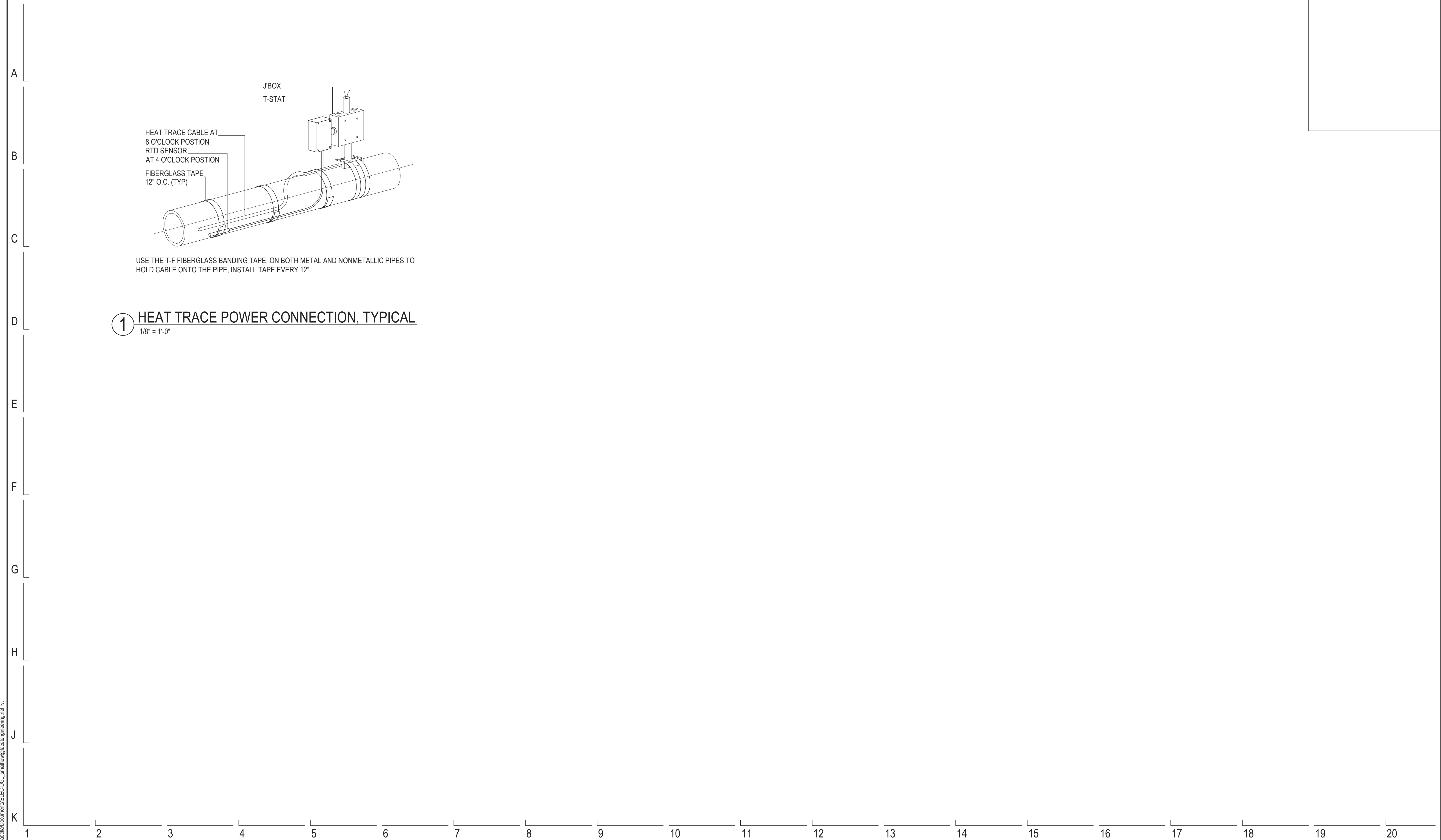
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ACCESS CONTROL DOOR DETAILS		DRAWING NO. E50-09
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.



1 HEAT TRACE POWER CONNECTION, TYPICAL
 1/8" = 1'-0"

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DETAILS - HEAT TRACE POWER CONNECTIONS
 CDOT PROJECT D-7-135 DATE: 11/01/2019

SPEC. NO.
DRAWING NO. E50-10
REVISION NO.

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NO COMPATIBLE UNITS AVAILABLE IN PASSPORT

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PAGE 1 OF 3

ESS INSTALLATION REQUIREMENTS USING COMPARTMENTAL TRANSFORMERS

1. APPLICATION

1.1 THE INFORMATION IN THIS STANDARD COVERS GENERAL CONDITIONS AND REQUIREMENTS FOR THE INSTALLATION OF 1-PHASE AND 3-PHASE COMPARTMENTAL TRANSFORMERS FOR AN ELECTRIC SERVICE STATION.

2. GENERAL

2.1 THE SERVICE FACILITIES FURNISHED AND INSTALLED BY THE CUSTOMER AND ComEd SHALL BE IN ACCORDANCE WITH ComEd'S REQUIREMENTS AND STANDARDS CONTAINED HEREIN, IN OTHER APPROPRIATE STANDARDS, AND IN ComEd'S GENERAL TERMS AND CONDITIONS, IN ADDITION TO A SERVICE ENTRANCE LOCATION SKETCH.

2.2 THIS INFORMATION IS RELEVANT TO A TRANSFORMER LOCATION THAT IS ACCEPTABLE TO ComEd. THE SIZE AND LOCATION OF THE UNDERGROUND PRIMARY SERVICE CONNECTION ON THE CUSTOMER'S PROPERTY IS FURNISHED ON A SEPARATE SERVICE ENTRANCE LOCATION SKETCH.

3. ComEd WILL FURNISH, INSTALL, OWN AND MAINTAIN

3.1 IN ACCORDANCE WITH THE PROVISIONS FOR FURNISHING "NONSTANDARD SERVICES AND FACILITIES":

- (A) COMPARTMENTAL TRANSFORMER, APPROPRIATE PROTECTIVE EQUIPMENT, GROUND CONNECTION INCLUDING GROUNDING CONDUCTOR, GROUND RODS, AND LUGS FOR TERMINATING SECONDARY CABLE AT TRANSFORMER (IF REQUIRED).
- (B) THAT PORTION OF THE PRIMARY SERVICE CONNECTION IN EXCESS OF A STANDARD PRIMARY SERVICE CONNECTION.
- (C) PRIMARY SERVICE CONNECTION CABLES FOR THE ENTIRE SERVICE CONNECTION, EITHER DIRECT-BURIED (INCLUDING TRENCH) OR IN CONDUIT. IF THE CUSTOMER PREFERENCES DIRECT-BURIAL OF THE CABLES, ComEd SHALL HAVE CONTINUED ACCESS TO THE INSTALLATION, WITHOUT IMPEDIMENTS FROM OVER-BUILDING OR OBSTRUCTIONS, FOR OPERATION AND MAINTENANCE OF CABLE.
- (D) CONNECTORS TO CONNECT THE PRIMARY CABLES TO THE TRANSFORMER.
- (E) SECONDARY CABLE AND CONNECTORS TO CONNECT BETWEEN TRANSFORMER TERMINALS AND JUNCTION CABINET, IF USED.
- (F) LOCKING PROVISION FOR JUNCTION CABINET, IF USED.

4. ComEd WILL CONNECT

4.1 THE PRIMARY AND SECONDARY SERVICE CONNECTION CABLES TO THE COMPARTMENTAL TRANSFORMER TERMINALS.

5. CUSTOMER SHALL FURNISH, INSTALL, OWN AND MAINTAIN

5.1 FOUNDATION FOR COMPARTMENTAL TRANSFORMER, CONDUIT AND TRENCH FOR GROUND WIRE PER ComEd'S STANDARDS (88286 FOR 1-PHASE TRANSFORMER, 88288 FOR OPEN DELTA TRANSFORMER BANK, AND 88289 OR 88293 FOR 3-PHASE TRANSFORMER).

5.1.1 THE FOUNDATION SHALL BE LOCATED AS FAR AS PRACTICAL FROM WINDOWS, DOORS, FIRE ESCAPES, ENTRANCES, AND VENTILATING DUCTS SO AS NOT TO PRESENT A PHYSICAL OBSTRUCTION.

5.1.2 THE FOUNDATION SHALL BE LOCATED AT LEAST 3 FEET (HORIZONTALLY) FROM ANY NATURAL GAS METER, REGULATOR, OR OTHER INSTALLATION; AT LEAST 10 FEET (HORIZONTALLY) FROM ANY L.P. OR PROPANE TANK, REGULATOR, OR OTHER INSTALLATION; AND OUTSIDE OF ANY OTHER N.E.C. HAZARDOUS (CLASSIFIED) LOCATION.

5.1.3 IT SHALL BE THE CUSTOMER'S RESPONSIBILITY TO COMPLY WITH ANY INSURANCE REGULATIONS AFFECTING THE INSTALLATION. FIGURES 1, 2 AND 3 SHOW THE MINIMUM CLEARANCES PROVIDED BY ComEd BETWEEN THE TRANSFORMER FOUNDATION AND WINDOWS, DOORS, FIRE ESCAPES, ENTRANCES, AND VENTILATING DUCTS.

5.2 A VEHICULAR BARRIER SHALL BE INSTALLED PER 88286, WHERE DAMAGE TO THE TRANSFORMER BY VEHICLES IS POSSIBLE. BARRIERS SHALL BE INSTALLED BEFORE TRANSFORMER IS SET.

5.3 THE CONDUIT RUN FOR PRIMARY SERVICE CONNECTION CABLE ON PRIVATE PROPERTY - SEE 3.1(C).

1-PHASE TRANSFORMER:
CONDUIT RUN SHALL CONSIST OF 3" MINIMUM IRON PIPE SIZE CONDUIT, (SINGLE CONDUIT RECOMMENDED) FROM A POINT ON CUSTOMER'S PROPERTY LINE (DESIGNATED BY ComEd), TO THE TRANSFORMER FOUNDATION, TERMINATING WITH 3" 90 DEGREE 36" MINIMUM RADIUS PLASTIC SCHEDULE 40 BENDS OR HOT GALVANIZED RIGID STEEL BENDS PROVIDED WITH GROUND BUSHINGS FOR 1/0 WIRE, O.Z. GEDNEY TYPE "BLO" OR EQUIVALENT. TOP OF BENDS, INCLUDING GROUND BUSHINGS IF STEEL CONDUIT, SHALL TERMINATE FLUSH WITH TOP OF FOUNDATION. FOUNDATION SHALL BE BOXED OUT AROUND CONDUIT BENDS.

3-PHASE TRANSFORMER:
THE CONDUIT RUN SHALL CONSIST OF 4" MINIMUM IRON PIPE SIZE CONDUIT, (SINGLE CONDUIT RECOMMENDED) FROM A POINT ON CUSTOMER'S PROPERTY LINE (DESIGNATED BY ComEd), TO THE TRANSFORMER FOUNDATION, TERMINATING WITH 4" 90 DEGREE 36" MINIMUM RADIUS PLASTIC SCHEDULE 40 BENDS OR HOT GALVANIZED RIGID STEEL BENDS PROVIDED WITH GROUND BUSHINGS FOR 1/0 WIRE, O.Z. GEDNEY TYPE "BLO" OR EQUIVALENT. TOP OF BENDS, INCLUDING GROUND BUSHINGS IF STEEL CONDUIT, SHALL TERMINATE FLUSH WITH TOP OF FOUNDATION, UNLESS OTHERWISE NOTED. FOUNDATION SHALL BE BOXED OUT AROUND CONDUIT BENDS.

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ComEd SYSTEM STANDARD

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5. CUSTOMER SHALL FURNISH, INSTALL, OWN AND MAINTAIN (CONTD)

TYPES OF APPROVED CONDUIT RUNS			
CONDUIT	SEPARATION BETWEEN CONDUITS	MINIMUM DEPTH TO 3" CONCRETE ENVELOPE*	MINIMUM DEPTH TO CONDUIT WITHOUT CONCRETE ENVELOPE*
HOT GALVANIZED RIGID STEEL	1 1/2"	---	30"
MULTIPLE CONCRETE CONDUIT	---	---	30"
PLASTIC	1 1/2"	30"	(SEE 5.8)

* FROM FINAL GRADE.

CONDUIT PASSING THROUGH BUILDINGS SHALL BE HOT GALVANIZED RIGID STEEL ENCASED IN 3" CONCRETE ENVELOPE AND PROVIDED WITH A WATER TIGHT SEAL BETWEEN CONDUIT AND BUILDING WALL.

CURVES AND BENDS IN THE CONDUIT RUN SHOULD BE AVOIDED WHEREVER POSSIBLE. WHERE A RUN CONTAINS CURVES IN ANY PLANE OR IF A STRAIGHT RUN EXCEEDS 500 FEET IN LENGTH, THE COMPANY SHALL BE CONSULTED AS TO PERMISSIBLE MAXIMUM LENGTH AND RADIUS OF CURVATURE. MANHOLES, BUILT TO ComEd'S STANDARDS, WILL BE REQUIRED WHERE TOTAL DISTANCE EXCEEDS PERMISSIBLE CONDUIT RUN LENGTHS.

THE ENTIRE CONDUIT RUN SHALL BE INSTALLED PER 88297 ON UNDISTURBED OR WELL TAMPED EARTH. CONDUIT SHALL SLOPE A MINIMUM OF 1" PER 100 FEET AND MAY DRAIN EITHER WAY OR IN BOTH DIRECTIONS TO MANHOLE.

AFTER INSTALLATION, CONDUIT SHALL BE CHECKED WITH A WIRE BRUSH TYPE MANDREL (DESIGNED FOR THE CONDUIT), AND A #8 GALVANIZED STEEL PULLING WIRE OR 1/4" POLYETHYLENE ROPE SHALL BE LEFT IN DESIGNATED DUCT. ComEd INSPECTOR TO CHECK INSTALLATION OF CONDUIT BEFORE TRENCH IS BACKFILLED. ENDS OF CONDUIT SHALL BE TEMPORARILY SEALED.

5.4 THE CONDUIT BEND AT TRANSFORMER FOUNDATION FOR PRIMARY SERVICE CONNECTION CABLE WHEN CONDUIT RUN IS NOT INSTALLED. THE CONDUIT BEND SHALL BE OF PLASTIC SCHEDULE 40 OR HOT GALVANIZED RIGID STEEL CONDUIT - SEE 3.1 (C). METAL CONDUIT BENDS SHALL HAVE ACCEPTABLE GROUND BUSHINGS FOR 1/0 WIRE, O.Z. GEDNEY TYPE "BLO" OR EQUIVALENT.

1-PHASE TRANSFORMER:
CONDUIT BEND SHALL BE 3" IRON PIPE SIZE, 90 DEGREE, 36" MINIMUM RADIUS. TOP OF BENDS, INCLUDING GROUND BUSHING IF STEEL CONDUIT, SHALL TERMINATE FLUSH WITH THE TOP OF THE FOUNDATION AND 1 FOOT BEYOND THE FOUNDATION 2 1/2 FEET BELOW FINAL GRADE.

3-PHASE TRANSFORMER:
CONDUIT BEND SHALL BE 3" IRON PIPE SIZE, 90 DEGREE, 36" MINIMUM RADIUS. TOP OF BENDS, INCLUDING GROUND BUSHING IF STEEL CONDUIT, SHALL TERMINATE FLUSH WITH TOP OF FOUNDATION, UNLESS OTHERWISE NOTED, AND 1 FOOT BEYOND THE FOUNDATION 2 1/2 FEET BELOW FINAL GRADE.

5.5 UNDERGROUND SECONDARY SERVICE CONNECTION

THE UNDERGROUND SECONDARY SERVICE CONNECTION SHALL CONSIST OF CABLE AND CONDUIT BENDS. THE BENDS SHALL BE OF PLASTIC OR HOT GALVANIZED RIGID STEEL CONDUIT. TOP OF BENDS, INCLUDING GROUND BUSHINGS IF STEEL CONDUIT, SHALL TERMINATE FLUSH WITH TOP OF FOUNDATION (SEE 5.1.4 AND 4.1.3). METAL CONDUIT BENDS SHALL HAVE GROUND BUSHINGS FOR 1/0 WIRE, O.Z. GEDNEY TYPE "BLO" OR EQUIVALENT. WITHOUT EXCEPTION, CUSTOMER'S SERVICE NEUTRAL SHALL BE CONNECTED TO THE SECONDARY NEUTRAL OF THE COMPARTMENTAL TRANSFORMER. FOUNDATION SHALL BE BOXED OUT AROUND BENDS.

5.6 AN APPROVED JUNCTION CABINET WITH BUS BARS, FOUNDATION FOR JUNCTION CABINET AND TRANSFORMER, CONDUIT TO CABINET, CONDUIT BETWEEN TRANSFORMER AND CABINET, AND A TRENCH FOR GROUND WIRE PER ComEd'S STANDARDS (SEE 88286, PAGE 1 FOR DETAILS) SHALL ALL BE PROVIDED WHEN CUSTOMER'S SECONDARY CONDUIT SPACE REQUIREMENTS EXCEED DIMENSIONS SPECIFIED ON 88286, PAGE 1.

5.7 TRANSPORTATION OF TRANSFORMERS

WHERE AN ELECTRIC SERVICE STATION IS TRUCK ACCESSIBLE TO ComEd, TRANSFORMERS SHALL BE TRANSPORTED TO THE STATION LOCATION. WHERE SUCH STATION IS NOT ACCESSIBLE, ANY ADDITIONAL MOVING EXPENSE, WHICH MAY BE NECESSARY TO PLACE TRANSFORMERS IN POSITION FOR INSTALLATION, WILL BE THE CUSTOMER'S RESPONSIBILITY.

5.8 PLASTIC CONDUIT FOR NON-ENCASED INSTALLATIONS

IF LARGE STRESS-PRODUCING LOADS, SUCH AS VEHICULAR TRAFFIC, WILL NOT BE PRESENT, THEN THE CUSTOMER MAY, AT THE CUSTOMER'S EXPENSE AND UNDER ComEd DIRECTION, INSTALL NON-ENCASED SCHEDULE 40 PLASTIC CONDUIT FOR ComEd PRIMARY CABLE INSTALLATION.

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5. CUSTOMER SHALL FURNISH, INSTALL, OWN AND MAINTAIN (CONTD)

5.8 PLASTIC CONDUIT FOR NON-ENCASED INSTALLATIONS

NON-ENCASED PLASTIC CONDUIT MAY BE INSTALLED IN NON-CONTINUOUS RUNS THAT DO NOT CONTAIN BENDS, SUCH AS WHERE THE PRIMARY CABLE IS DIRECT BURIED AND THEN PUT INTO CONDUIT FOR A SHORT SEGMENT UNDER A SIDEWALK OR PATIO TO MINIMIZE SUBSEQUENT EXCAVATION FOR MAINTENANCE. NON-ENCASED PLASTIC CONDUIT MAY ALSO BE USED FOR CONTINUOUS RUNS, PROVIDED THAT ANY BENDS IN THE RUN SHALL BE RIGID GALVANIZED STEEL, MINIMUM 48" RADIUS. NON-ENCASED PLASTIC CONDUIT SHALL NOT BE USED IN AREAS WITH A HIGH RISK OF LATER DAMAGE BY EXCAVATION OR WHERE MULTIPLE PRIMARY SERVICE CONNECTIONS ARE INSTALLED IN A COMMON TRENCH.

THE BOTTOM OF THE TRENCH SHALL BE UNDISTURBED, TAMPED, OR RELATIVELY SMOOTH EARTH. WHERE THE EXCAVATION IS IN ROCK, THE DUCT SHALL BE LAD ON A PROTECTIVE LAYER OF CLEAN TAMPED BACKFILL. ALL BACKFILL SHALL BE FREE OF MATERIALS THAT MAY DAMAGE THE DUCT.

THE CONDUIT SHALL BE SUITABLY RESTRAINED BY BACKFILL TO MAINTAIN ITS DESIGN POSITION UNDER THE STRESS OF INSTALLATION PROCEDURES, CABLE PULLING OPERATIONS, AND OTHER CONDITIONS SUCH AS SETTLING AND HYDRAULIC OR FROST UPLIFT. THE LOCATION OF BURIED CONDUIT ENDS SHALL BE PERMANENTLY MARKED BY THE CUSTOMER. AFTER INSTALLATION, CONDUIT LENGTHS GREATER THAN 20 FEET SHALL BE CHECKED WITH A WIRE BRUSH TYPE MANDREL (DESIGNED FOR THE CONDUIT) AND A #8 GALVANIZED STEEL PULLING WIRE OR 1/4" POLYETHYLENE ROPE SHALL BE LEFT IN THE CONDUIT. CONDUIT SHALL BE ADEQUATELY SIZED TO ACCOMMODATE THE LARGEST ANTICIPATED CABLE. CONDUIT SHALL BE SCHEDULE 40 PLASTIC AND SHALL BE BURIED A MINIMUM OF 30" BELOW GRADE. A MINIMUM OF 12" OF WELL-TAMPED EARTH SHALL BE MAINTAINED BETWEEN ComEd AND COMMUNICATIONS CONDUITS OR OTHER UTILITY LINES.

CLEARANCES TO BUILDINGS (SEE 5.1)

FIGURE 1

FIGURE 2

FIGURE 3
CLEARANCE TO DOOR OR GAS FIXTURE

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154 N DAMEN AVE - DAMEN GREEN LINE STATION

DETAILS - COMED STANDARDS

CDOT PROJECT D-7-135 DATE: 11/01/2019

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DRAWING NO.	E50-11
REVISION NO.	

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REVISES STANDARD DATED 4-1-92
COMPATIBLE UNITS AVAILABLE IN PASSPORT

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PAGE 1 OF 2

3-PH FEEDTHRU COMPT TR PAD - ESS

TRANSFORMER	MIN SEC VOLTAGE		CONDUIT CONFIGURATIONS		ESTIMATING DATA				
	MIN	MAX	4" CONDUIT	4" CONDUIT	REINFORCING BARS (FT)	CONCRETE (CU YD)			
A	75	150	208/120 240/120 480/277	888	6	888	6	180	0.75
	225	500	208/120 240/120 480/277	888	9	888	9	180	0.75
B	500	750	208/120 240/120 480/277	888	16	888	12	240	2.80
	500	1000	208/120 240/120 480/277	888	9	888	9	240	2.80

ITEM	CAT ID	DESCRIPTION	TABLE-1	CAT ID	UNIT	QUANTITY
A	08556	GROUNDING INSTALLATION	08		EA	1
C	0000355024	WIRE, COPPER, OVERHEAD, BARE, 1/0, 19 STR, SOFT DRAWN TINNED, 3			FT	55.60
D	0000368446	CONNECTOR, COMPRESSION, 1/0, OR 2/0 STR CU, RUN & TAP, BURNDY C			EA	1

PRESSING TABLE		
ITEM	TOOL & DIE	NO. OF CRMP'S
U-0	Y-35	1
U-E	U-E	3

NOTES:

APPLICATION:

- THIS STANDARD SHALL BE USED FOR THE INSTALLATION OF AN ELECTRIC SERVICE STATION FOUNDATION AS DESCRIBED IN "ComEd's GENERAL TERMS AND CONDITIONS".

SUPPLEMENTARY MATERIAL:

- WHEN BARE LEAD COVERED CABLES ARE LOCATED OR PLANNED WITHIN 200 FEET, OMIT ITEM "C" AND REPLACE WITH 1/0 LEAD CLAD COPPER CONDUCTOR (CATID 0000020500). SPECIFY STAINLESS STEEL GROUND RODS PER 08556.CDD.
- PRECAST ALTERNATIVES TO THIS POURED DESIGN MAY BE AVAILABLE. CONTACT DISTRIBUTION STANDARDS.

INFORMATION:

- THE CUSTOMER TO INSTALL THE TRANSFORMER FOUNDATION, 1 INCH CONDUITS, AND TRENCH FOR ComEd GROUND WIRE AND RODS.
- ComEd TO PROVIDE, INSTALL, AND TEST THE GROUND WIRE AND RODS.
- AFTER PRIMARY AND SECONDARY CONDUITS ARE IN PLACE, BACKFILL WITH SCREENINGS, SAND, OR FINE EXCAVATED MATERIAL, COMPACT THOROUGHLY BEFORE POURING FOUNDATION.
- CONCRETE TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE APPLICABLE ACI CODE AND AIR ENTRAINMENT. IT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. AIR ENTRAINMENT SHALL BE 4 TO 7 PERCENT OF THE VOLUME OF CONCRETE.

FIG. 1

FIG. 2

ComEd SYSTEM STANDARD

9-12-08
C5293
PAGE 2 OF 2

9-12-08
C5293
PAGE 2 OF 2

C5293.A

FIG. 1

C5293.B

FIG. 2

ComEd SYSTEM STANDARD

5-26-17
C5295
PAGE 1 OF 1

REVISES STANDARD DATED 1-25-13
COMPATIBLE UNITS AVAILABLE IN PASSPORT

5-26-17
C5295
PAGE 1 OF 1

VEHICULAR BARRIER

BARRIER TYPE
C5295.A RIGID STEEL CONDUIT
B POWER-INSTALLED BUMPER POST

ITEM	CAT ID	DESCRIPTION	TABLE-1	CAT ID	UNIT	QUANTITY
A	0000370224	CONDUIT, RIGID, 4 IN. X 10 FT. LONG, HOT DIPPED GALVANIZED, TH			FT	3
B	0000359471	CONCRETE, BAG, 60 LB. BAG, DRY, 1 PART CEMENT, 2-1/4 PARTS #2			BS	3
C	0000701127	POST, BUMPER, POWER INSTALLED, 8 IN. HELIX, 3-1/2 IN. O.D. X 8			EA	1

NOTES:

APPLICATION:

- THIS STANDARD SHALL BE USED TO INSTALL VEHICULAR BARRIERS.
- OTHER TYPES OF BARRIERS MAY BE USED UPON APPROVAL OF REGIONAL ENGINEERING OR DISTRIBUTION STANDARDS DEPARTMENT.

SUPPLEMENTARY MATERIAL:

- EACH BAG OF CONCRETE WILL REQUIRE APPROXIMATELY 3 QTS CLEAN WATER.
- INSTALL BARRIERS BEFORE TRANSFORMER OR SWITCHGEAR IS IN PLACE.
- THIS IS A MINIMUM DIMENSION. ADJUST DIMENSION IF NECESSARY TO PROVIDE ADEQUATE CLEARANCE FOR OPENING EQUIPMENT DOORS.

INFORMATION:

- THIS TYPE OF BARRIER SHOULD BE USED WHERE DAMAGE TO EQUIPMENT, CYCLES, OR POLE BY A VEHICLE IS PROBABLE.
- PLACE CENTER BARRIER IN LINE WITH DOOR MIDPOST.
- BARRIERS NOT REQUIRED ON SIDE WHERE EQUIPMENT FACES A BUILDING OR OTHER STRUCTURE WHICH RESTRICTS TRAFFIC.

FIG. 1

FIG. 2

FIG. 3

FIG. 4

ComEd SYSTEM STANDARD

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154 N DAMEN AVE - DAMEN GREEN LINE STATION

DETAILS - COMED STANDARDS

CDOT PROJECT D-7-135

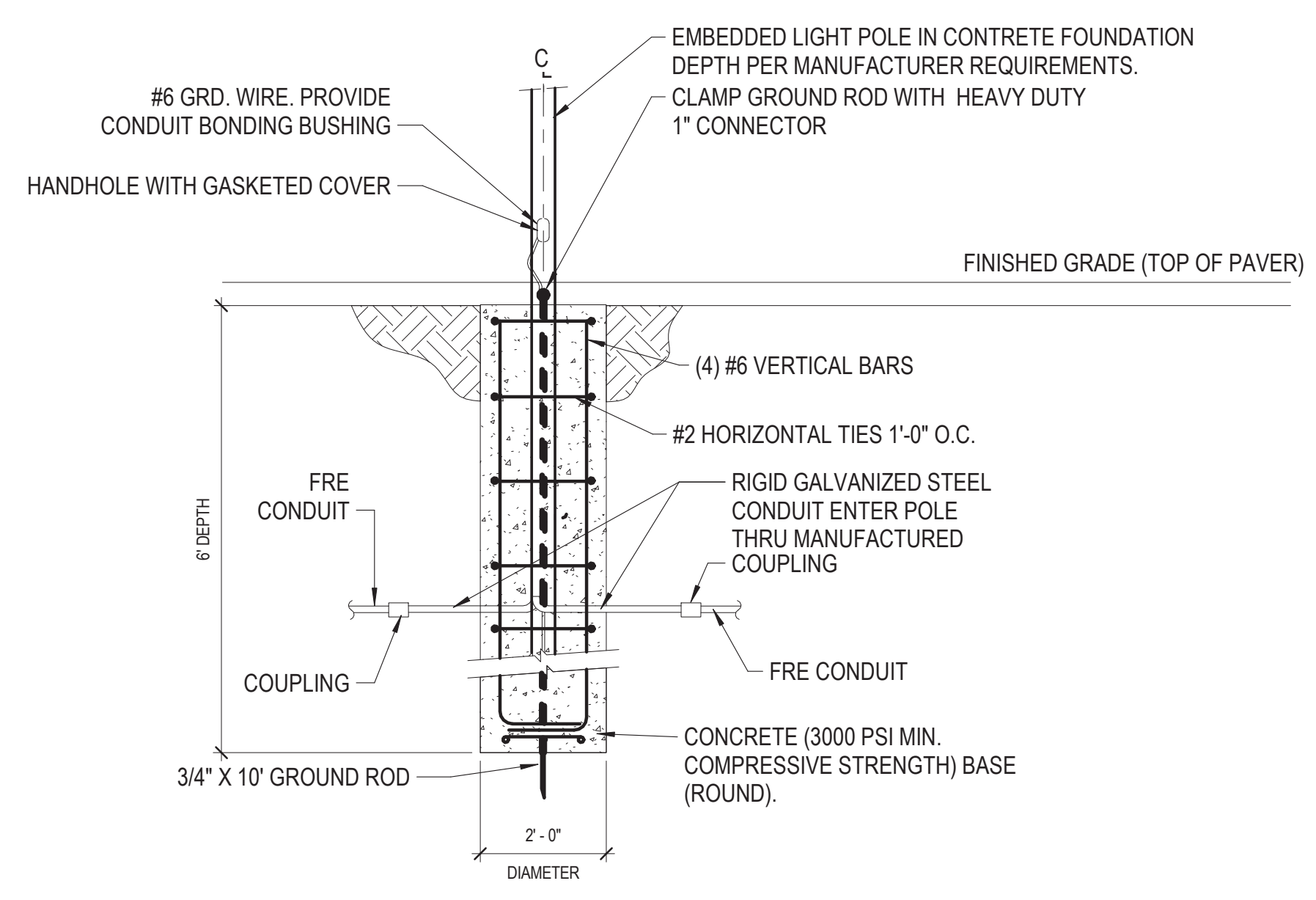
DATE: 11/01/2019

SPEC. NO.

DRAWING NO.
E50-12

REVISION NO.

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1 PLAZA LIGHT POLE FOUNDATION DETAIL
 12" = 1'-0"

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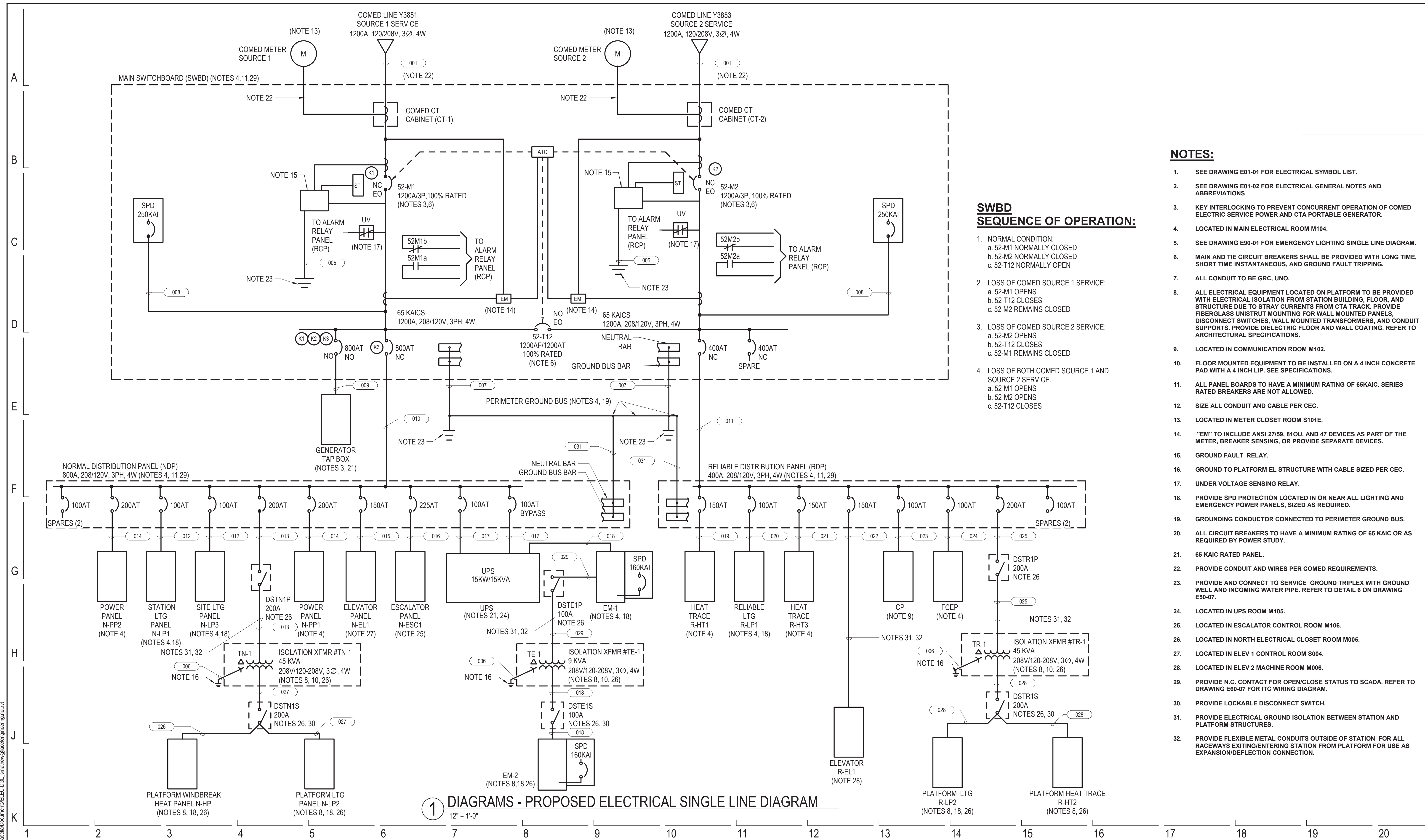


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154 N DAMEN AVE - DAMEN GREEN LINE STATION
DETAILS- EXTERIOR LIGHTING
 CDOT PROJECT D-7-135 DATE: 11/01/2019

SPEC. NO.
DRAWING NO. E50-13
REVISION NO.



SWBD SEQUENCE OF OPERATION:

- NORMAL CONDITION:
 - 52-M1 NORMALLY CLOSED
 - 52-M2 NORMALLY CLOSED
 - 52-T12 NORMALLY OPEN
- LOSS OF COMED SOURCE 1 SERVICE:
 - 52-M1 OPENS
 - 52-T12 CLOSES
 - 52-M2 REMAINS CLOSED
- LOSS OF COMED SOURCE 2 SERVICE:
 - 52-M2 OPENS
 - 52-T12 CLOSES
 - 52-M1 REMAINS CLOSED
- LOSS OF BOTH COMED SOURCE 1 AND SOURCE 2 SERVICE:
 - 52-M1 OPENS
 - 52-M2 OPENS
 - 52-T12 CLOSES

NOTES:

- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
- SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS
- KEY INTERLOCKING TO PREVENT CONCURRENT OPERATION OF COMED ELECTRIC SERVICE POWER AND CTA PORTABLE GENERATOR.
- LOCATED IN MAIN ELECTRICAL ROOM M104.
- SEE DRAWING E90-01 FOR EMERGENCY LIGHTING SINGLE LINE DIAGRAM.
- MAIN AND TIE CIRCUIT BREAKERS SHALL BE PROVIDED WITH LONG TIME, SHORT TIME INSTANTANEOUS, AND GROUND FAULT TRIPPING.
- ALL CONDUIT TO BE GRC, UNO.
- ALL ELECTRICAL EQUIPMENT LOCATED ON PLATFORM TO BE PROVIDED WITH ELECTRICAL ISOLATION FROM STATION BUILDING, FLOOR, AND STRUCTURE DUE TO STRAY CURRENTS FROM CTA TRACK. PROVIDE FIBERGLASS UNISTRUT MOUNTING FOR WALL MOUNTED PANELS, DISCONNECT SWITCHES, WALL MOUNTED TRANSFORMERS, AND CONDUIT SUPPORTS. PROVIDE DIELECTRIC FLOOR AND WALL COATING. REFER TO ARCHITECTURAL SPECIFICATIONS.
- LOCATED IN COMMUNICATION ROOM M102.
- FLOOR MOUNTED EQUIPMENT TO BE INSTALLED ON A 4 INCH CONCRETE PAD WITH A 4 INCH LIP. SEE SPECIFICATIONS.
- ALL PANEL BOARDS TO HAVE A MINIMUM RATING OF 65KAIC. SERIES RATED BREAKERS ARE NOT ALLOWED.
- SIZE ALL CONDUIT AND CABLE PER CEC.
- LOCATED IN METER CLOSET ROOM S101E.
- "EM" TO INCLUDE ANSI 27/59, 810U, AND 47 DEVICES AS PART OF THE METER, BREAKER SENSING, OR PROVIDE SEPARATE DEVICES.
- GROUND FAULT RELAY.
- GROUND TO PLATFORM EL STRUCTURE WITH CABLE SIZED PER CEC.
- UNDER VOLTAGE SENSING RELAY.
- PROVIDE SPD PROTECTION LOCATED IN OR NEAR ALL LIGHTING AND EMERGENCY POWER PANELS, SIZED AS REQUIRED.
- GROUNDING CONDUCTOR CONNECTED TO PERIMETER GROUND BUS.
- ALL CIRCUIT BREAKERS TO HAVE A MINIMUM RATING OF 65 KAIC OR AS REQUIRED BY POWER STUDY.
- 65 KAIC RATED PANEL.
- PROVIDE CONDUIT AND WIRES PER COMED REQUIREMENTS.
- PROVIDE AND CONNECT TO SERVICE GROUND TRIPLEX WITH GROUND WELL AND INCOMING WATER PIPE. REFER TO DETAIL 6 ON DRAWING E50-07.
- LOCATED IN UPS ROOM M105.
- LOCATED IN ESCALATOR CONTROL ROOM M106.
- LOCATED IN ELEV 1 CONTROL ROOM S004.
- LOCATED IN ELEV 2 MACHINE ROOM M006.
- PROVIDE N.C. CONTACT FOR OPEN/CLOSE STATUS TO SCADA. REFER TO DRAWING E60-07 FOR ITC WIRING DIAGRAM.
- PROVIDE LOCKABLE DISCONNECT SWITCH.
- PROVIDE ELECTRICAL GROUND ISOLATION BETWEEN STATION AND PLATFORM STRUCTURES.
- PROVIDE FLEXIBLE METAL CONDUITS OUTSIDE OF STATION FOR ALL RACEWAYS EXITING/ENTERING STATION FROM PLATFORM FOR USE AS EXPANSION/DEFLECTION CONNECTION.

1 DIAGRAMS - PROPOSED ELECTRICAL SINGLE LINE DIAGRAM
1/2" = 1'-0"

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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ELECTRICAL SINGLE LINE DIAGRAM		DRAWING NO. E60-01
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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CABLE AND CONDUIT SCHEDULE

TAG NUMBER	SETS	CABLE DESCRIPTION	CONDUIT (QTY) SIZE (IN.)	NOTES
001	4 1	4 600 KCMIL and 1 300 KCMIL (G) IN SEPERATE CONDUIT 1 300 KCMIL (G)	(6) 4" PVC	5, 9
005	1	1 #2/0 AWG (G)	1	5
006	1	1 250 KCMIL (G)	1-1/2	
007	1	1 250 KCMIL (G)	1-1/2	4
008	1	NOTE 8	---	8
009	2	4 600 KCMIL + 1 #3 AWG (G)	3-1/2	
010	2	4 600 KCMIL + 1 #3 AWG (G)	(2) 3-1/2	
011	1	4 600 KCMIL + 1 #3 AWG (G)	3-1/2	
012	1	4 #3 AWG + 1 #8 AWG (G)	1-1/2	
013	1	4 #4/0 AWG + 1 #4 AWG (G)	2-1/2	8
014	1	4 #3/0 AWG + 1 #6 AWG (G)	2	
015	1	4 #2/0 AWG + 1 #6 AWG (G)	2	
016	1	4 #4/0 AWG + 1 #4 AWG (G)	2-1/2	
017	1	4 #3 AWG + 1 #8 AWG (G)	1-1/2	
018	1	4 #3 AWG + 1 #8 AWG (G)	1-1/2	
019	1	4 #1/0 AWG + 1 #6 AWG (G)	1-1/2	
020	1	4 #3 AWG + 1 #8 AWG (G)	1-1/2	
021	1	4 #1/0 AWG + 1 #6 AWG (G)	1-1/2	
022	1	4 #3/0 AWG + 1 #6 AWG (G)	2	
023	1	4 #3 AWG + 1 #8 AWG (G)	1-1/2	
024	1	4 #3 AWG + 1 #8 AWG (G)	1-1/2	
025	1	4 #4/0 AWG + 1 #4 AWG (G)	2-1/2	8
026	1	4 #3/0 AWG + 1 #6 AWG (G)	2	
027	1	4 #3/0 AWG + 1 #6 AWG (G)	2	
028	1	4 #3/0 AWG + 1 #6 AWG (G)	2	
029	1	4 #3 AWG + 1 #8 AWG (G)	1-1/2	8
030	1	1 300 KCMIL	-	PLATFORM STEEL BONDING JUMPER
031	1	1 #3/0 AWG (G)	1	
101	1	2 #10 AWG + 1 #10 GRD	1	
102	1	4 #10 AWG + 1 #10 GRD	1	
103	2	EMPTY	1	TO ELECTRICAL ROOM
104	1	4 #12 AWG	1	
105	1	4 #12 AWG + 1 #12 AWG (G)	1	
106	1	2 #12 AWG + 1 #12 AWG (G)	1	
112	1	14 #14 AWG + 2 #14 SPARE	1	
201	1	2 #12AWG + 1 #12AWG (G)	3/4	
202	1	3 #12AWG + 1 #12AWG (G)	3/4	
203	1	4 #10 AWG + 1 #10 AWG (G)	1	
XX		EXISTING	---	

NOTES:

- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
- SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
- PVC COATED CONDUIT WHERE POWER/LIGHT CONDUITS ARE ATTACHED TO "EL" STRUCTURE.
- FRE CONDUIT.
- CONCRETE ENCASED REINFORCED DUCTBANK WHERE INSTALLED UNDERGROUND.
- THE CONDUITS LISTED INCLUDES QUANTITY OF CONDUITS IN PARENTHESIS FOLLOWED BY THE SIZE IN INCHES.
- SCHEDULE 40 PVC ENCASED IN CONCRETE WHERE INSTALLED UNDERGROUND UNDER ROADWAY.
- CABLE PER MANUFACTURER AND ROUTED INSIDE SWITCHBOARD.
- ONE SET OF SERVICE GROUND CONDUCTOR ONLY.

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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

CABLE AND CONDUIT SCHEDULE

CDOT PROJECT D-7-135

DATE: 11/01/2019

SPEC. NO.

DRAWING NO.
E60-02

REVISION NO.

LOAD CALCULATION FOR BUILDING SERVICE (Source 1)

Prepared By: FACET ENGINEERS
4316 N. Elston Avenue
Chicago, IL 60641
Updated 10/15/2019
Building Description: CDOT CTA Damen EL Station
Available Fault Current: 65 KAIC @ 208V
Type of Electrical Service: 208/120V, 3 PHASE, 4 WIRE
Size of Service Entrance Conductors: SEE DRAWINGS
Size of Grounding Electrode: SEE DRAWINGS
Size of O.C.P.: 1200A/3P @208 Volts

GENERAL LIGHTING LOAD CALCULATION:	Sq-Ft/Unit	Units	VA	Sub Totals
General Lighting Load:				
Lighting Load (Normal and Reliable)	24000	0.614	14,736.0	14,736.00 VA
Emergency Lighting Load	1	1	2,824.0	2,824.00 VA
Site Lighting		1	1,200.0	1,200.00 VA

Total VA 18,760.00 VA

SECTION 1
GENERAL LIGHTING LOAD DEMAND FACTOR:

ALL AT 100% Total VA 18,760.00 VA

SECTION 2
STATION LOAD:

	Units/Quantity	VA	Demand Fact	Sub Totals
ELEVATOR 15 HP (All Loads)	2	36,293.0	1	72,586.00 VA
ESCALATOR 20 HP (All Loads)	1	32,600.0	1	32,600.00 VA
SIGNAGE	24	100.0	1	2,400.00 VA
MECH HEATERS (2-8kw, 6-1kw, 2@4KW, 2@3.7KW)	1	75,676.0	1	75,676.00 VA
MECH EXH FANS/LOUVERS	1	7,200.0	1	7,200.00 VA
MECH AC LOADS (See Note below)	1	4,864.0	0	- VA
INFARED HEATERS	7	3,200.0	1	22,400.00 VA
HEAT TRACING (HT-1 AND HT-3)	1	13,500.0	1	13,500.00 VA
HEAT TRACING (HT-2 PLATFORM)	1	15,510.0	1	15,510.00 VA
SUMP PUMPS	3	1,925.0	1	5,775.00 VA
COMM EQUIP (CP)	1	17,512.0	1	17,512.00 VA
REVENUE EQUIP (FCEP)	1	10,600.0	1	10,600.00 VA
RECEPTACLE/MISC	1	3,644.0	1	3,644.00 VA
WATER HEATER	1	2,500.0	1	2,500.00 VA
TRUSS HEATERS	1	12,000.0	1	12,000.00 VA
	0		1	- VA

Since Heating overall building is larger load we do not take into account Cooling loads Total VA 293,903.00 VA

SECTION 3

25% Continous Load (Lighting)	18,760.0	0.25	4,690.00 VA
25% of Largest Motor (Escalator) (20 HP)	22,500.0	0.25	5,625.00 VA
Total VA			10,315.00 VA

Total From Section 1 18,760.00 VA
Total From Section 2 293,903.00 VA
Total From Section 3 10,315.00 VA

TOTAL VA 322,978.00

LOAD CALCULATION FOR BUILDING SERVICE (Source 2)

Prepared By: FACET ENGINEERS
4316 N. Elston Avenue
Chicago, IL 60641
Updated 10/15/2019
Building Description: CDOT CTA Damen EL Station
Available Fault Current: 65 KAIC @ 208V
Type of Electrical Service: 208/120V, 3 PHASE, 4 WIRE
Size of Service Entrance Conductors: SEE DRAWINGS
Size of Grounding Electrode: SEE DRAWINGS
Size of O.C.P.: 1200A/3P @208 Volts

GENERAL LIGHTING LOAD CALCULATION:	Sq-Ft/Unit	Units	VA	Sub Totals
General Lighting Load:				
Lighting Load (Normal and Reliable)	24000	0.614	14,736.0	14,736.00 VA
Emergency Lighting Load	1	1	2,824.0	2,824.00 VA
Site Lighting		1	1,200.0	1,200.00 VA

Total VA 18,760.00 VA

SECTION 1
GENERAL LIGHTING LOAD DEMAND FACTOR:

ALL AT 100% Total VA 18,760.00 VA

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STATION LOAD:

	Units/Quantity	VA	Demand Fact	Sub Totals
ELEVATOR 15 HP (All Loads)	2	36,293.0	1	72,586.00 VA
ESCALATOR 20 HP (All Loads)	1	32,600.0	1	32,600.00 VA
SIGNAGE	24	100.0	1	2,400.00 VA
MECH HEATERS (2-8kw, 6-1kw, 2@4KW, 2@3.7KW)	1	75,676.0	1	75,676.00 VA
MECH EXH FANS/LOUVERS	1	7,200.0	1	7,200.00 VA
MECH AC LOADS (See Note below)	2	4,864.0	0	- VA
INFARED HEATERS	7	3,200.0	1	22,400.00 VA
HEAT TRACING (HT-1 AND HT-3)	1	13,500.0	1	13,500.00 VA
HEAT TRACING (HT-2 PLATFORM)	1	15,510.0	1	15,510.00 VA
SUMP PUMPS	3	1,925.0	1	5,775.00 VA
COMM EQUIP (CP)	1	17,512.0	1	17,512.00 VA
REVENUE EQUIP (FCEP)	1	10,600.0	1	10,600.00 VA
RECEPTACLE/MISC	1	3,644.0	1	3,644.00 VA
WATER HEATER	1	2,500.0	1	2,500.00 VA
TRUSS HEATERS	1	12,000.0	1	12,000.00 VA
	0		1	- VA

Since Heating overall building is larger load we do not take into account Cooling loads Total VA 293,903.00 VA

SECTION 3

25% Continous Load (Lighting)	18,760.0	0.25	4,690.00 VA
25% of Largest Motor (Escalator) (20 HP)	22,500.0	0.25	5,625.00 VA
Total VA			10,315.00 VA

Total From Section 1 18,760.00 VA
Total From Section 2 293,903.00 VA
Total From Section 3 10,315.00 VA

TOTAL VA 322,978.00

NOTES:

- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
- SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.

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DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION

CITY LOAD CALCULATIONS

CDOT PROJECT D-7-135

DATE: 11/01/2019

SPEC. NO.

DRAWING NO.
E60-03

REVISION NO.

ELECTRICAL EQUIPMENT SCHEDULE

TAG	NUMBER	DESCRIPTION	VOLTAGE	PHASE WIRE	NEUTRAL WIRE	GROUND WIRE	TOTAL WIRE	HP	FLA	KW	SYSTEM	PANEL	CIRCUIT NUMBER	CABLE/CONDUIT	D.S. RATINGS (NOTE 5)
AC	1	AC-1	120 V	1	1	1	3	-	14 A		NORMAL	N-PP1	16	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
AC	2	AC-2	120 V	1	1	1	3	-	14 A		NORMAL	N-PP1	14	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
AC	3	AC-3	120 V	1	1	1	3	-	12 A		NORMAL	R-EL1	20	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
ATM	1	ATM-1	120 V	1	1	1	3	-	4 A	.6	NORMAL	N-PP1	10	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	-
CU	1	CU-1	208 V	3	0	1	4	-	38 A	13.7	NORMAL	N-PP2	17,19,21	3#4 AWG + 1#8AWG IN 1 1/2" C.	60A/3PH
DBP	1	DBP-1	208 V	2	0	1	3	1/3	4 A		NORMAL	N-PP1	25,27	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
EF	1	EF-1	120 V	1	1	1	3	1/15	4 A		NORMAL	N-PP1	3	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
EF	2	EF-2	120 V	1	1	1	3	.5	10 A		NORMAL	N-PP1	2	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
EF	3	EF-3	120 V	1	1	1	3	.5	10 A		NORMAL	N-PP1	4	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
EF	4	EF-4	120 V	1	1	1	3	.1	4 A		NORMAL	N-PP1	12	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
EF	5	EF-5	208 V	2	0	1	3	1.5	12 A		NORMAL	N-EL1	13,15	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
EF	6	EF-6	208 V	2	0	1	3	3	19 A		NORMAL	R-EL1	12,14	2#10 AWG + 1#10 AWG GRD IN 3/4" GRC	30A/1PH
EF	7	EF-7	208 V	2	0	1	3	2	13 A		NORMAL	N-PP1	22,24	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
EF	8	EF-8	208 V	2	0	1	3	5	31 A		NORMAL	N-PP1	34,36	2#8 AWG + 1#10 AWG GRD IN 3/4" GRC	30A/1PH
EF	9	EF-9	120 V	1	1	1	3	.1	4 A		NORMAL	R-EL1	16	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
EF	10	EF-10	120 V	1	1	1	3	1/6	4 A		NORMAL	N-LP2	32	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
EF	11	EF-11	120 V	1	1	1	3	1/10	4 A		NORMAL	N-EL1	9	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
EUH	1	EUH-1	208 V	2	0	1	3	-	14 A	3	NORMAL	N-PP2	10,12	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	NOTE 6
EUH	2	EUH-2	208 V	2	0	1	3	-	14 A	3	NORMAL	N-PP2	2,4	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	NOTE 6
EUH	3	EUH-3	208 V	2	0	1	3	-	24 A	5	NORMAL	N-EL1	20,22	2#10 AWG + 1#10 AWG GRD IN 3/4" GRC	NOTE 6
EUH	4	EUH-4	208 V	2	0	1	3	-	24 A	5	NORMAL	R-EL1	17,19	2#10 AWG + 1#10 AWG GRD IN 3/4" GRC	NOTE 6
EUH	5	EUH-5	208 V	2	0	1	3	-	14 A	3	NORMAL	N-ESC1	21,23	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	NOTE 6
EUH	6	EUH-6	208 V	2	0	1	3	-	14 A	3	NORMAL	N-ESC1	20,22	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	NOTE 6
EUH	7	EUH-7	208 V	2	0	1	3	-	24 A	5	NORMAL	N-LP2	33,35	2#10 AWG + 1#10 AWG GRD IN 3/4" GRC	NOTE 6
EUH	9	EUH-9	208 V	2	0	1	3	-	14 A	3	NORMAL	N-PP2	6,8	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	NOTE 6
EUH	10	EUH-10	208 V	2	0	1	3	-	14 A	3	NORMAL	N-PP2	9,11	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	NOTE 6
EUH	11	EUH-11	208 V	2	0	1	3	-	14 A	3	NORMAL	CP	27,29	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	NOTE 6
EUH	12	EUH-12	208 V	2	0	1	3	-	10 A	2	NORMAL	N-PP2	26,28	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	NOTE 6
EUH	13	EUH-13	208 V	2	0	1	3	-	10 A	2	NORMAL	N-PP2	30,32	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	NOTE 6
EUH	14	EUH-14	208 V	2	0	1	3	-	10 A	2	NORMAL	N-PP2	22,24	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	NOTE 6
EUH	15	EUH-15	208 V	2	0	1	3	-	10 A	2	NORMAL	N-PP2	29,31	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	NOTE 6
EUH	16	EUH-16	208 V	2	0	1	3	-	14 A	3	NORMAL	R-EL1	26,28	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	NOTE 6
EUH	17	EUH-17	208 V	2	0	1	3	-	14 A	3	NORMAL	R-EL1	22,24	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	NOTE 6
EUH	18	EUH-18	208 V	2	0	1	3	-	14 A	3	NORMAL	N-EL1	29,31	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	NOTE 6
EVM	1	EVM-1	120 V	1	1	1	3	-	3 A	.4	NORMAL	FCEP	7	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	-
EVM	2	EVM-2	120 V	1	1	1	3	-	3 A	.4	NORMAL	FCEP	8	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	-
EVM	3	EVM-3	120 V	1	1	1	3	-	3 A	.4	NORMAL	FCEP	9	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	-
EVM	FUT	EVM-FUT	120 V	1	1	1	3	-	3 A	.4	NORMAL	FCEP	11	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	-
EWH	1	EWH-1	208 V	2	0	1	3	-	10 A	2	NORMAL	N-PP2	5,7	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
EWH	2	EWH-2	208 V	2	0	1	3	-	10 A	2	NORMAL	N-PP2	13,15	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
FCU	1	FCU-1	208 V	2	0	1	3	-	2 A	.4	NORMAL	N-PP2	14,16	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
FCU	2	FCU-2	208 V	2	0	1	3	-	2 A	.4	NORMAL	N-PP2	18,20	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
FCU	3	FCU-3	208 V	2	0	1	3	-	2 A	.4	NORMAL	CP	12,14	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
FCU	4	FCU-4	208 V	2	0	1	3	-	2 A	.4	NORMAL	N-EL1	8,10	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
FCU	5	FCU-5	208 V	2	0	1	3	-	2 A	.4	NORMAL	N-EL1	25,27	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
IH	1,2,3	IH-1,2,3	208 V	3	0	1	4	-	27 A	9.6	NORMAL	N-HP	2,4,6	3#8 AWG AND 1#10AWG (G) IN 1" GRC C. POWER AND 3#12 AWG CONTROL IN 1" GRC	60A/3PH
IH	4,5,6	IH-4,5,6	208 V	3	0	1	4	-	27 A	9.6	NORMAL	N-HP	1,3,5	3#8 AWG AND 1#10AWG (G) IN 1" GRC C. POWER AND 3#12 AWG CONTROL IN 1" GRC	60A/3PH
IH	7	IH-7	208 V	2	0	1	3	-	15 A	3.2	NORMAL	N-PP2	23,25	2#8AWG AND 1#10AWG IN 1" GRC C. POWER AND 3#12 AWG CONTROL IN 3/4" GRC C.	30A/1PH
SP	1	SP-1	120 V	1	1	1	3	.5	10 A		NORMAL	N-ESC1	14	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
SP	2	SP-2	208 V	3	0	1	4	1	5 A		NORMAL	N-EL1	19,21,23	3#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
SP	3	SP-3	120 V	3	0	1	4	.5	10 A		RELIABLE	R-EL1	11	3#12 AWG + 1#12 AWG GRD IN 3/4" GRC	30A/1PH
SVM	1	SVM-1	120 V	1	1	1	3	-	4 A	.6	NORMAL	N-PP1	6	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	-
SVM	2	SVM-2	120 V	1	1	1	3	-	4 A	.6	NORMAL	N-PP1	8	2#12 AWG + 1#12 AWG GRD IN 3/4" GRC	-
WHE	1	WHE-1	120 V	1	1	1	3	-	21 A	2.5	NORMAL	N-PP1	1	2#10 AWG + 1#10 AWG GRD IN 3/4" GRC	30A/1PH

SIGNAGE SCHEDULE NOTE 4

SIGN ID	DESCRIPTION	PANEL	CIRCUIT	CABLE/CONDUIT	NOTES
CTA SIGN	CTA SIGN - 36"W x 36"H x 4"D	N-LP3	9	2#10AWG + 1#10 AWG G IN 3/4" C	PLAZA
DMS-02	CTA Dynamic Message Sign	HUB-5	1	2#10AWG + 1#10 AWG G IN 3/4" C	S PLATFORM
DMS-04	CTA Dynamic Message Sign	HUB-5	3	2#10AWG + 1#10 AWG G IN 3/4" C	S PLATFORM
DMS-03	CTA Dynamic Message Sign	HUB-2	3	2#10AWG + 1#10 AWG G IN 3/4" C	N PLATFORM
DMS-06	CTA Dynamic Message Sign	HUB-4	1	2#10AWG + 1#10 AWG G IN 3/4" C	S PLATFORM
DMS-08	CTA Dynamic Message Sign	HUB-4	3	2#10AWG + 1#10 AWG G IN 3/4" C	S PLATFORM
DMS-05	CTA Dynamic Message Sign	HUB-3	1	2#10AWG + 1#10 AWG G IN 3/4" C	N PLATFORM
DMS-07	CTA Dynamic Message Sign	HUB-3	3	2#10AWG + 1#10 AWG G IN 3/4" C	N PLATFORM
DMS-01	CTA Dynamic Message Sign	HUB-2	1	2#10AWG + 1#10 AWG G IN 3/4" C	N PLATFORM
DAMEN SIGN	DAMEN LETTERS	N-LP3	19,21	4#10AWG + 1#10 AWG G IN 3/4" C	PLAZA
DAS	DAS - 85"W x 13.75"H x 3.25"D	N-LP3	13	2#12AWG + 1#12 AWG G IN 3/4" C	PLAZA S7
DAS	DAS - 85"W x 13.75"H x 3.25"D	N-PP1	29	2#12AWG + 1#12 AWG G IN 3/4" C	STATION 2ND FLR.
DAS	DAS - 85"W x 13.75"H x 3.25"D	R-LP2	17	2#12AWG + 1#12 AWG G IN 3/4" C	NE PLATFORM DAS
DAS	DAS - 85"W x 13.75"H x 3.25"D	R-LP2	16	2#12AWG + 1#12 AWG G IN 3/4" C	SE PLATFORM DAS
DAS	DAS - 85"W x 13.75"H x 3.25"D	R-LP2	19	2#12AWG + 1#12 AWG G IN 3/4" C	NW PLATFORM DAS
DAS	DAS - 85"W x 13.75"H x 3.25"D	R-LP2	20	2#12AWG + 1#12 AWG G IN 3/4" C	SW PLATFORM DAS
DAS	DAS - 85"W x 13.75"H x 3.25"D	R-LP2	21	2#12AWG + 1#12 AWG G IN 3/4" C	N. CENTER PLATFORM DAS
DAS	DAS - 85"W x 13.75"H x 3.25"D	R-LP2	22	2#12AWG + 1#12 AWG G IN 3/4" C	S. CENTER PLATFORM DAS
DMS	DMS - 50"W x 10"H x 4"D 2	N-PP1	5	2#12AWG + 1#12 AWG G IN 3/4" C	S STATION
DMS	DMS - 50"W x 10"H x 4"D 2	N-LP3	11	2#12AWG + 1#12 AWG G IN 3/4" C	S STATION
E22	E22 - 14"W x 10"H x 4"D	N-LP2	31	2#12AWG + 1#12 AWG G IN 3/4" C	N PLATFORM
E22	E22 - 14"W x 10"H x 4"D	N-LP2	30	2#12AWG + 1#12 AWG G IN 3/4" C	S PLATFORM
E22	E22 - 14"W x 10"H x 4"D	N-LP2	34	2#12AWG + 1#12 AWG G IN 3/4" C	S PLATFORM
E22	E22 - 14"W x 10"H x 4"D	N-LP2	31	2#12AWG + 1#12 AWG G IN 3/4" C	N PLATFORM
E22	E22 - 14"W x 10"H x 4"D	N-LP2	31	2#12AWG + 1#12 AWG G IN 3/4" C	N PLATFORM
E22	E22 - 14"W x 10"H x 4"D	N-LP2	30	2#12AWG + 1#12 AWG G IN 3/4" C	S PLATFORM
E22	E22 - 14"W x 10"H x 4"D	N-PP1	20	2#12AWG + 1#12 AWG G IN 3/4" C	STATION
E27	E27 - 14"W x 10"H x 4"D	N-LP3	15	2#12AWG + 1#12 AWG G IN 3/4" C	STATION
E33	E33	N-LP2	17	2#12AWG + 1#12 AWG G IN 3/4" C	NORTH PLATFORM
E33	E33	N-LP2	22	2#12AWG + 1#12 AWG G IN 3/4" C	SOUTH PLATFORM
E34	E34	N-LP2	17	2#12AWG + 1#12 AWG G IN 3/4" C	NORTH PLATFORM
E34	E34	N-LP2	17	2#12AWG + 1#12 AWG G IN 3/4" C	NORTH PLATFORM
E34	E34	N-LP2	22	2#12AWG + 1#12 AWG G IN 3/4" C	SOUTH PLATFORM
E34	E34	N-LP2	22	2#12AWG + 1#12 AWG G IN 3/4" C	SOUTH PLATFORM
iSIGN	iSIGN	R-LP2	15	2#12AWG + 1#12 AWG G IN 3/4" C	NW PLATFORM P8
iSIGN	iSIGN	R-LP2	14	2#12AWG + 1#12 AWG G IN 3/4" C	SW PLATFORM P8

NOTES:

- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
- REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
- FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CHICAGO ELECTRICAL CODE REQUIREMENTS. INCLUDE NAMEPLATE ON EACH DISCONNECT SWITCH WHICH STATES ID, VOLTAGE, PHASE, AMPERES AND NEMA TYPE.
- PROVIDE 20A, 120V, 1P, NEMA 4X DISCONNECT SWITCH AT EACH SIGN.
- EACH DISCONNECT SWITCH SHALL BE 250V RATED. REFER TO SPECIFICATION SECTION 26 01 00 FOR NEMA RATINGS.
- EQUIPMENT PROVIDED WITH INTEGRAL LOCAL DISCONNECT SWITCH. REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS.

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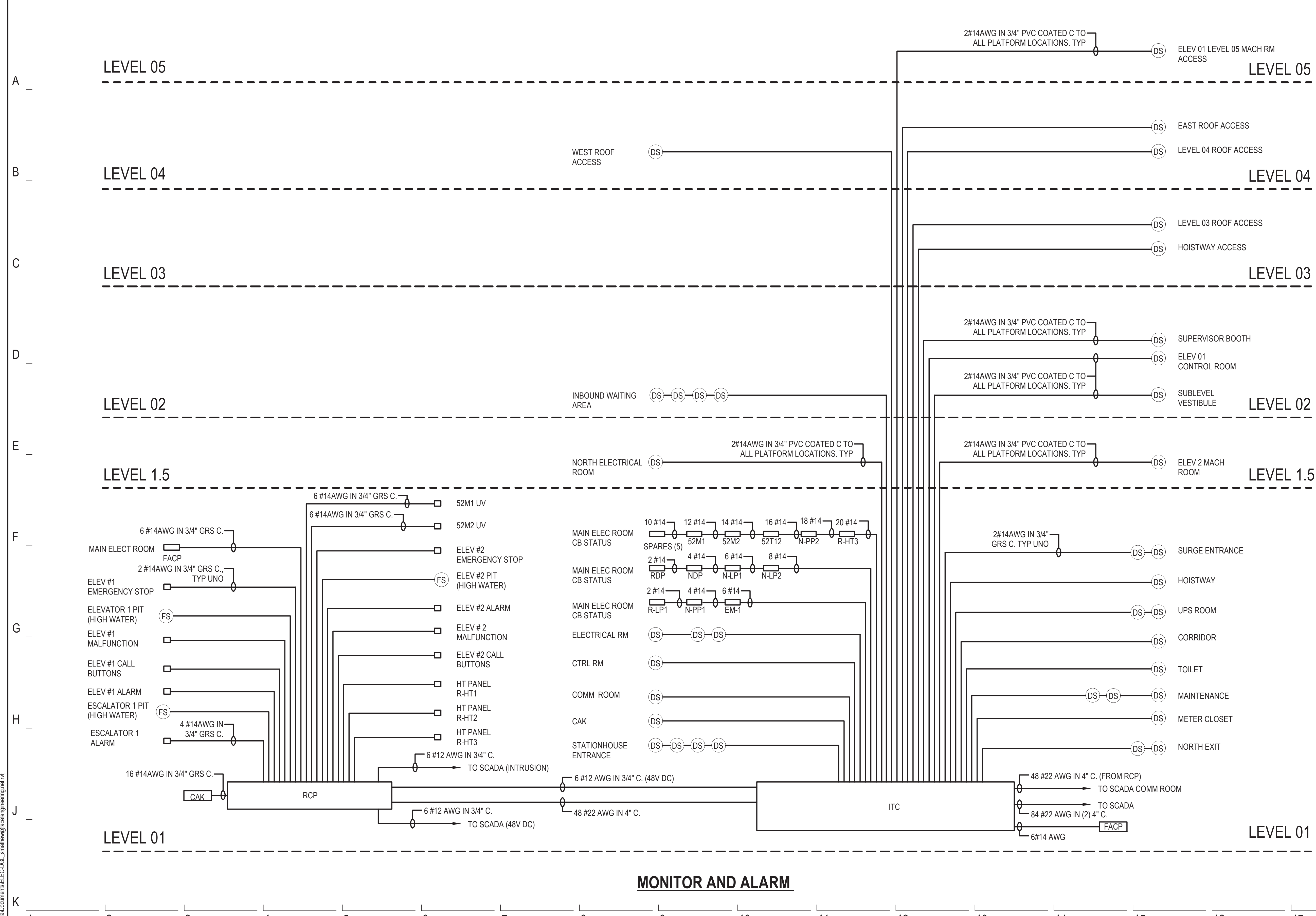
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Suite 1600
Chicago, IL 60611
t 312.755.0770
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CHICAGO DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
ELECTRICAL EQUIPMENT SCHEDULE		DRAWING NO. E60-04
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.



- NOTES:**
1. SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 2. SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
 3. REFER TO DRAWING E60-07 AND E60-20 FOR ADDITIONAL REQUIREMENTS.

MONITOR AND ALARM

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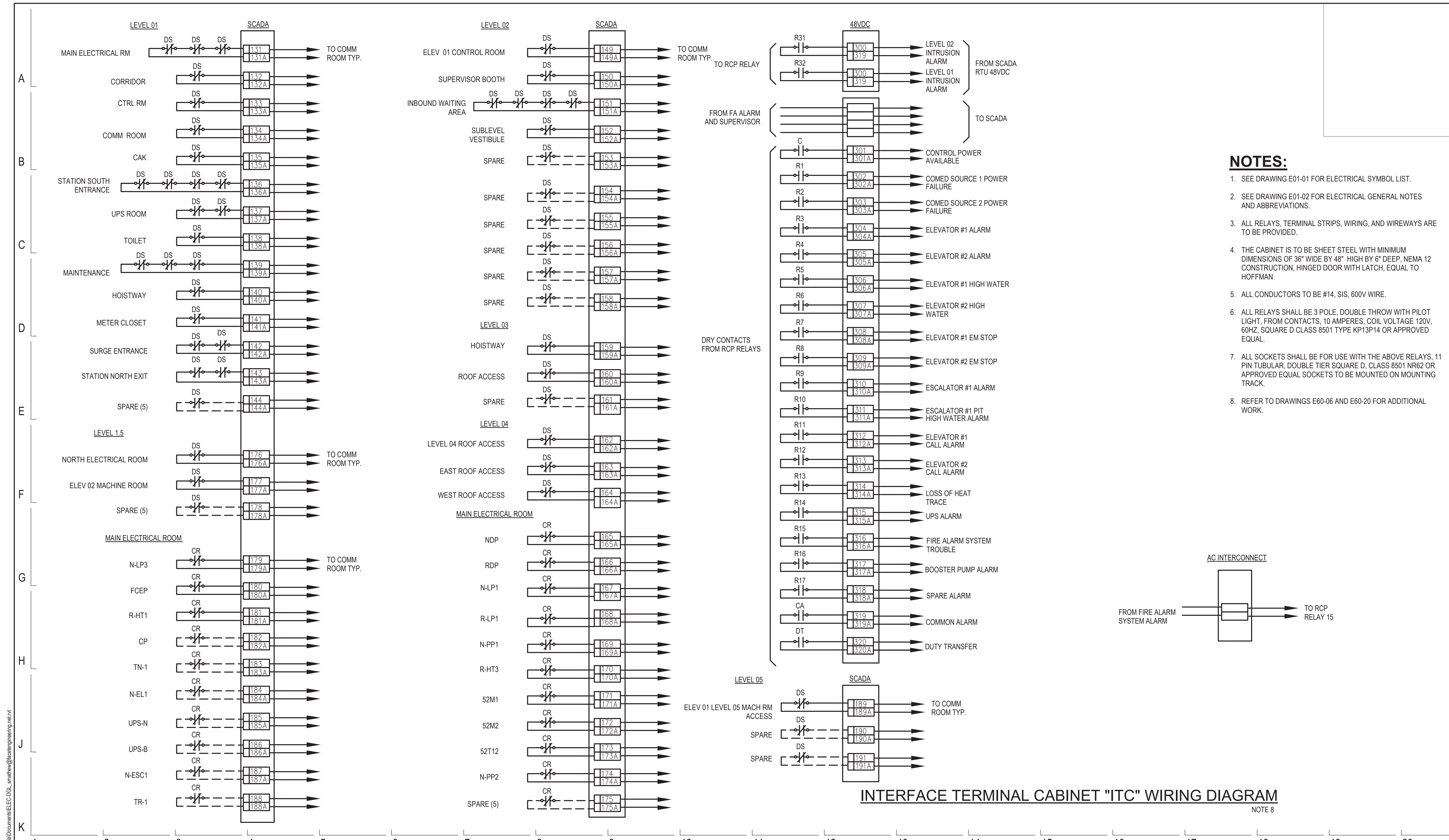


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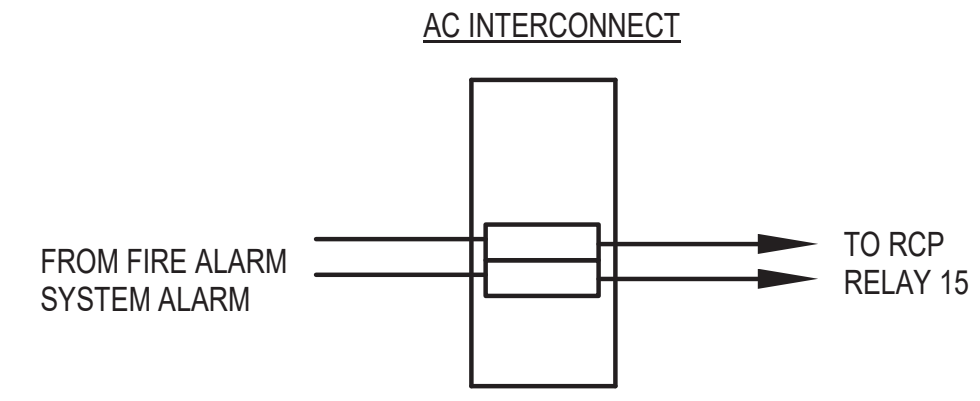


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DIAGRAMS - MONITOR AND ALARM TERMINAL		DRAWING NO. E60-06
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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- NOTES:**
- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
 - ALL RELAYS, TERMINAL STRIPS, WIRING, AND WIREWAYS ARE TO BE PROVIDED.
 - THE CABINET IS TO BE SHEET STEEL WITH MINIMUM DIMENSIONS OF 36" WIDE BY 48" HIGH BY 6" DEEP, NEMA 12 CONSTRUCTION, HINGED DOOR WITH LATCH, EQUAL TO HOFFMAN.
 - ALL CONDUCTORS TO BE #14, SIS, 600V WIRE.
 - ALL RELAYS SHALL BE 3 POLE, DOUBLE THROW WITH PILOT LIGHT, FROM CONTACTS, 10 AMPERES, COIL VOLTAGE 120V, 60HZ, SQUARE D CLASS 8501 TYPE KP13P14 OR APPROVED EQUAL.
 - ALL SOCKETS SHALL BE FOR USE WITH THE ABOVE RELAYS, 11 PIN TUBULAR, DOUBLE TIER SQUARE D, CLASS 8501 NR62 OR APPROVED EQUAL SOCKETS TO BE MOUNTED ON MOUNTING TRACK.
 - REFER TO DRAWINGS E60-06 AND E60-20 FOR ADDITIONAL WORK.



INTERFACE TERMINAL CABINET "ITC" WIRING DIAGRAM
NOTE 8

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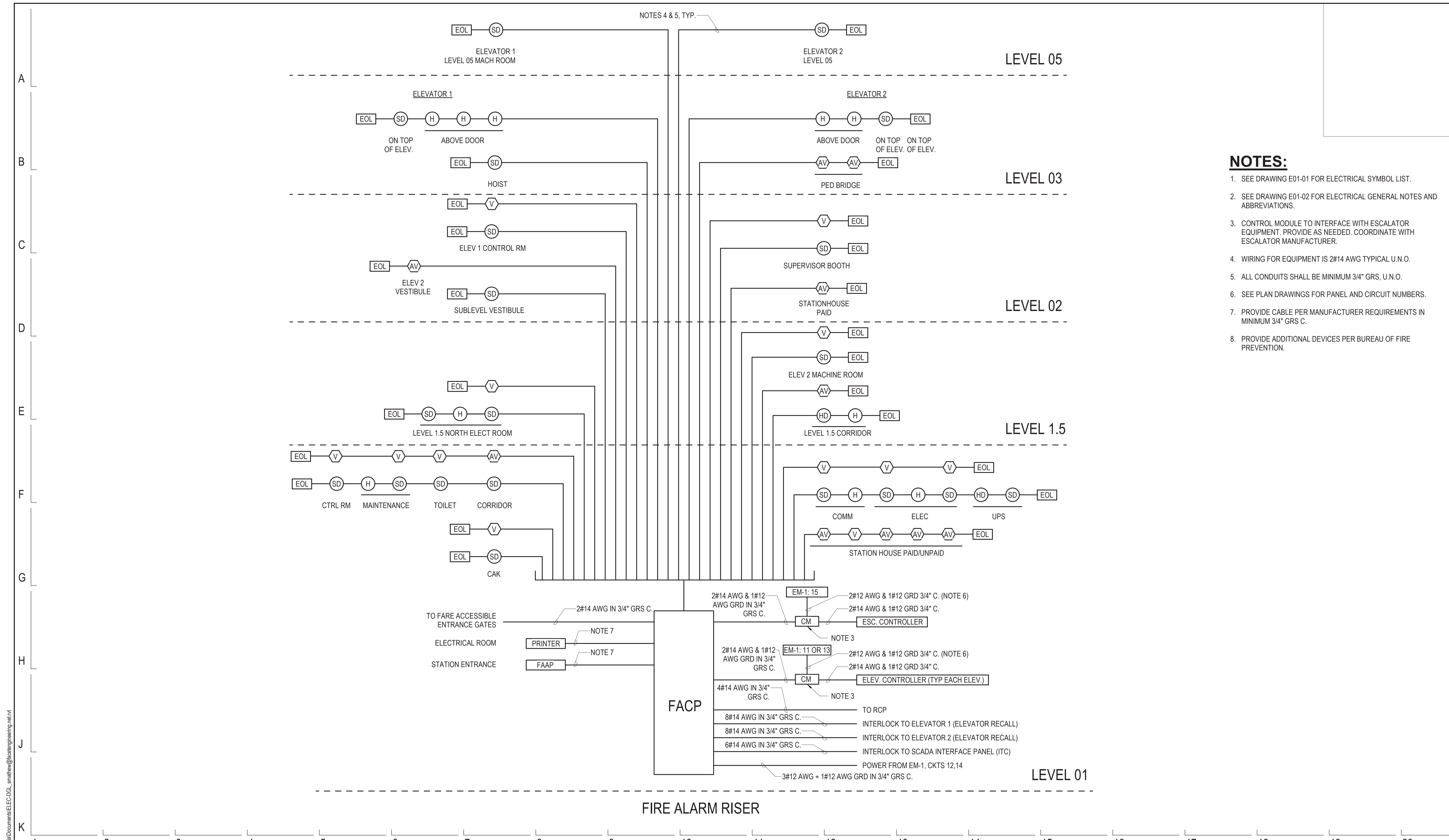


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DIAGRAMS - ITC WIRING DIAGRAM		DRAWING NO. E60-07
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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- NOTES:**
- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
 - CONTROL MODULE TO INTERFACE WITH ESCALATOR EQUIPMENT. PROVIDE AS NEEDED. COORDINATE WITH ESCALATOR MANUFACTURER.
 - WIRING FOR EQUIPMENT IS 2#14 AWG TYPICAL U.N.O.
 - ALL CONDUITS SHALL BE MINIMUM 3/4" GRS, U.N.O.
 - SEE PLAN DRAWINGS FOR PANEL AND CIRCUIT NUMBERS.
 - PROVIDE CABLE PER MANUFACTURER REQUIREMENTS IN MINIMUM 3/4" GRS C.
 - PROVIDE ADDITIONAL DEVICES PER BUREAU OF FIRE PREVENTION.

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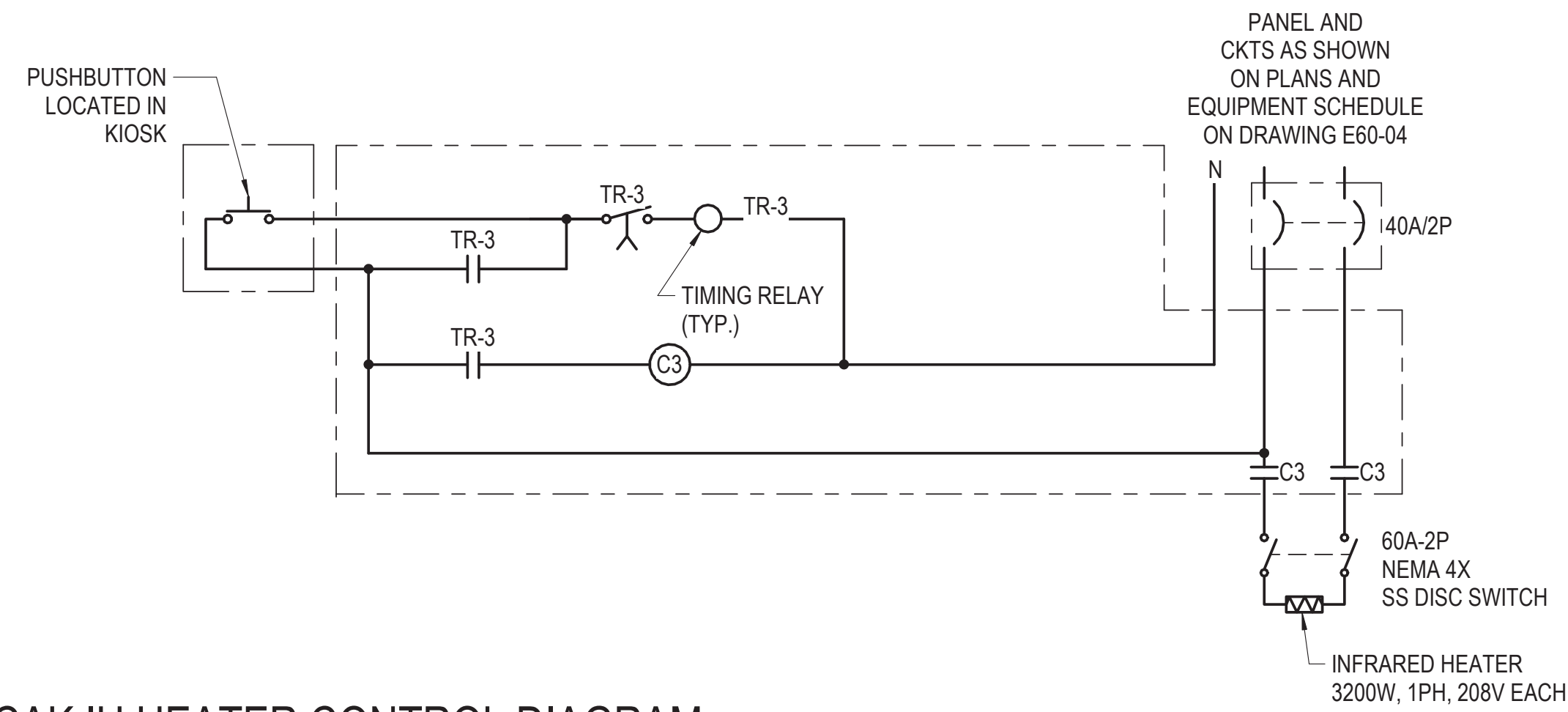


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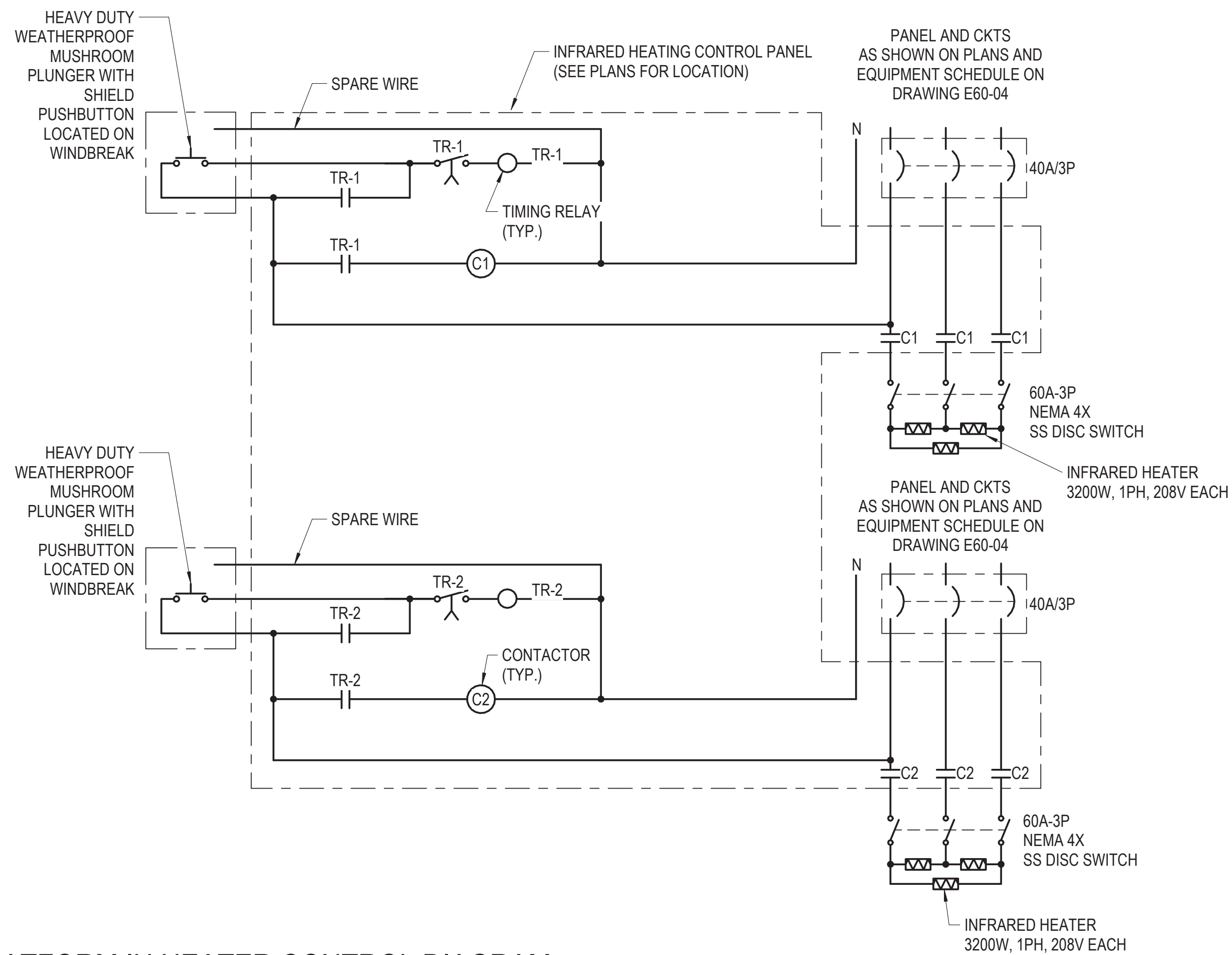


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DIAGRAMS - FIRE ALARM RISER		DRAWING NO. E60-08
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

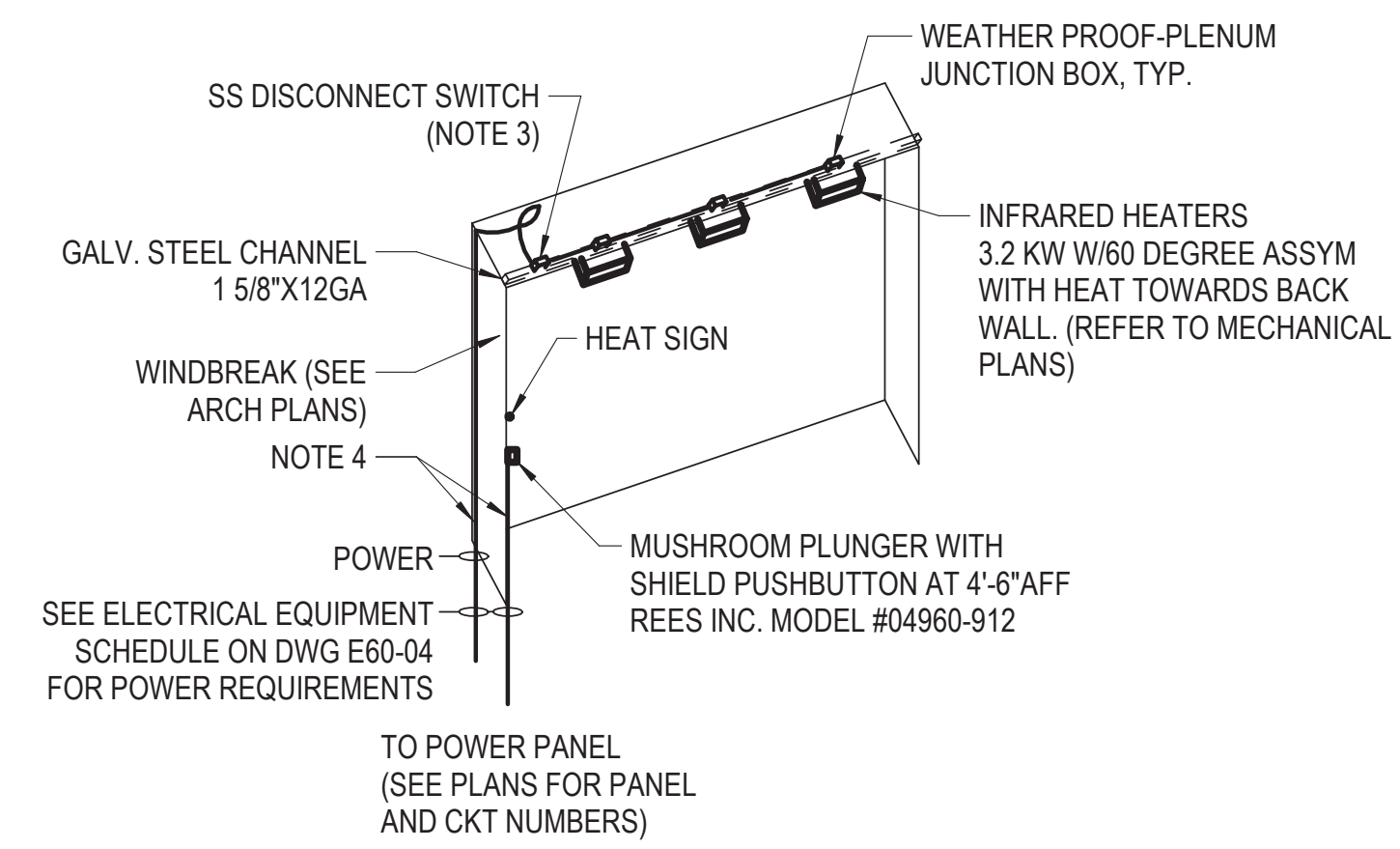
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1 CAK IH HEATER CONTROL DIAGRAM
12" = 1'-0"



2 PLATFORM IH HEATER CONTROL DIAGRAM
12" = 1'-0"



3 TYPICAL PLATFORM HEATER INSTALLATION
12" = 1'-0"

NOTES:

1. SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
3. COORDINATE FINAL DISCONNECT SWITCH LOCATION WITH ARCHITECTURAL DRAWINGS.
4. CONTRACTOR SHALL CONCEAL THE CONDUIT IN THE WINDBREAK TUBING.

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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DIAGRAMS - CONTROL WIRING SCHEMATICS		DRAWING NO. E60-09
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

Panel: R-HT1

Location: ELEC M104
Supply From: RDP
Mounting: SURFACE
Enclosure: NEMA 4X SS

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HCAR Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 150 A
Volts: 208Y/120V, 3PH, 4W

Table with columns: CKT, CB Opt, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CB Opt, CKT. Rows include Heat Trace-Roof Gutter West, Heat Trace-Roof SAN, Heat Trace -SAN Undergrd, Heat Trace -SAN Pipe Shaft, Heat Trace -Toilet.

Total Load: 3600 VA, 3600 VA, 2700 VA
Total Amps: 31 A, 31 A, 23 A

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Rows include Spare, Heat Trace.

Notes:

Panel: R-HT3

Location: ELEC M104
Supply From: RDP
Mounting: SURFACE
Enclosure: NEMA 4X SS

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HCAR Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 150 A
Volts: 208Y/120V, 3PH, 4W

Table with columns: CKT, CB Opt, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CB Opt, CKT. Rows include Heat Trace-West Bridge Gutter, Heat Trace-East Bridge Gutter, Heat Trace-Hose Bib, Spare, Control.

Total Load: 4400 VA, 2200 VA, 2350 VA
Total Amps: 37 A, 18 A, 20 A

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Rows include Spare, Heat Trace.

Notes:

NOTES:

- 1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. PROVIDE POWER FEEDS FROM EACH PANEL CIRCUIT TO INDICATED LOAD. PROVIDE WIRE/CABLE AND CONDUIT SIZED PER CODE INCLUDING REQUIREMENTS FOR VOLTAGE DROP.
4. ALL RACEWAYS TO BE INSTALLED CONCEALED FROM PUBLIC VISIBILITY.

Panel: N-LP1

Location: ELEC M104
Supply From: NDP
Mounting: SURFACE
Enclosure:

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HCAR Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 100 A
Volts: 208Y/120V, 3PH, 4W

Table with columns: CKT, CB Opt, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CB Opt, CKT. Rows include NORTH STATION LTG, SURGE FARE ARRAY LTG, WEST STATION COLUMN AND UP LTG, EAST STATION COLUMN LTG, HOISTWAY LTG, BACK HOUSE RM LTG, ELECT RM LTG, LEVEL 02 STATION LIGHTING, LEVEL 03 LIGHTING, NORTH STAIR/ELEV 2 LIGHTING, NORTH STAIR/ELEV 2 LIGHTING, PLATFORM CAK LIGHTING, NORTH TOWER LEVEL 1.5 LTG, Spare.

Total Load: 3020 VA, 1489 VA, 2739 VA
Total Amps: 27 A, 12 A, 24 A

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Rows include Lighting, Other.

Notes: 1. EACH NETWORK 3 PHASE LIGHTING CIRCUITS SHALL BE CONNECTED TO 3-POLE CIRCUIT BREAKER.

Panel: N-LP3

Location: ELEC M104
Supply From: NDP
Mounting: SURFACE
Enclosure:

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HCAR Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 100 A
Volts: 208Y/120V, 3PH, 4W

Table with columns: CKT, CB Opt, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CB Opt, CKT. Rows include PLAZA LTG, STATION LTG (SOUTH), PLAZA RECEPTACLE, NORTH STATION EXTERIOR LTG, NORTH TOWER SIDEWALK LTG, PLATFORM S. ENTRANCE LIGHTING, LEVEL 03 LIGHTING, ELEVATOR 1 MACHINE ROOM..., ELEV 2 UPLIGHT, ELEV 2 DOWNLIGHT, SPARE, SPD.

Total Load: 2770 VA, 4107 VA, 1889 VA
Total Amps: 24 A, 35 A, 16 A

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Rows include Lighting, Other.

Notes: 1. EACH NETWORK 3 PHASE LIGHTING CIRCUITS SHALL BE CONNECTED TO 3-POLE CIRCUIT BREAKER.

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Table with columns: DESIGN BY, DRAWN BY, CHECKED BY, APPROVED BY, CDOT/APPROVED BY, NO., DATE, REVISIONS, DES., DRW., CHK., DCCO, CDOT.



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The Wrigley Building
410 North Michigan Ave.
Suite 1600
Chicago, IL 60611
t 312.755.0770
f 312.755.0775
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154 N DAMEN AVE - DAMEN GREEN LINE STATION

PANEL SCHEDULES

Table with columns: SPEC. NO., DRAWING NO. E60-10, REVISION NO.

CDOT PROJECT D-7-135

DATE: 11/01/2019

Panel: R-LP1

Location: ELEC M104
Supply From: RDP
Mounting: SURFACE
Enclosure:

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HCAR Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 100 A
Volts: 208Y/120V, 3PH, 4W

Table with 12 columns: CKT, CB Opt, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CB Opt, CKT. Lists various electrical circuits like NORTH STATION LTG, BACK HOUSE RM LTG, etc.

Summary table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes totals for Lighting, Other, Power, Spare.

Notes: 1. EACH NETWORK 3 PHASE LIGHTING CIRCUITS SHALL BE CONNECTED TO 3-POLE CIRCUIT BREAKER.

Panel: N-PP1

Location: ELEC M104
Supply From: RDP
Mounting: SURFACE
Enclosure:

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HCAR Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 200 A
Volts: 208Y/120V, 3PH, 4W

Table with 12 columns: CKT, CB Opt, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CB Opt, CKT. Lists various electrical circuits like WHE-1, EF-1, DMS SIGN, etc.

Summary table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes totals for HVAC, Other, Power, Appliance - Dwelling Unit, PUMP, SVM, ATM, Water Heater, EWC.

Notes:

NOTES:

- 1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. PROVIDE POWER FEEDS FROM EACH PANEL CIRCUIT TO INDICATED LOAD. PROVIDE WIRE/CABLE AND CONDUIT SIZED PER CODE INCLUDING REQUIREMENTS FOR VOLTAGE DROP.
4. ALL RACEWAYS TO BE INSTALLED CONCEALED FROM PUBLIC VISIBILITY.

Panel: EM-1

Location: ELEC M104
Supply From: NDP
Mounting: SURFACE
Enclosure: NEMA 4X SS

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HCAR Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 100 A
Volts: 208Y/120V, 3PH, 4W

Note: All circuit breakers shall be lockable.

Table with 12 columns: CKT, CB Opt, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CB Opt, CKT. Lists various electrical circuits like NORTH STATION LTG, STATION COLUMN LTG, etc.

Summary table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes totals for Lighting, Other, Spare.

Notes: 1. EACH NETWORK 3 PHASE LIGHTING CIRCUITS SHALL BE CONNECTED TO 3-POLE CIRCUIT BREAKER.

Panel: FCEP

Location: ELEC M104
Supply From: RDP
Mounting: SURFACE
Enclosure:

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HCAR Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 100 A
Volts: 208Y/120V, 3PH, 4W

Table with 12 columns: CKT, CB Opt, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CB Opt, CKT. Lists various electrical circuits like Turnstyle, PEDESTRIAN BRIDGE EMERGENCY...

Summary table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes totals for Power, EVM.

Notes:

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DESIGN BY: DRAWN BY: CHECKED BY: APPROVED BY: CDOT/APPROVED BY: NO. DATE REVISIONS DES. DRW. CHK. DCCO CDOT



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The Wrigley Building
410 North Michigan Ave.
Suite 1600
Chicago, IL 60611
t 312.755.0770
f 312.755.0775
www.perkinswill.com



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PANEL SCHEDULES

SPEC. NO.

DRAWING NO. E60-11

REVISION NO.

CDOT PROJECT D-7-135

DATE: 11/01/2019

Panel: CP

Location: COMM M102
Supply From: RDP
Mounting: SURFACE
Enclosure: Type 12

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HC/Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 100 A
Volts: 208Y/120V, 3PH, 4W

CKT	CB Opt	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CB Opt	CKT
1	ST	UPS-2	30 A	2	750 VA	500 VA		2	30 A	BP-1 (UPS-1)		2
3	--	--	--	--		750 VA	500 VA	--	--	--	--	4
5	--	BP-2 (UPS-2)	30 A	2			500 VA	750 VA	30 A	UPS-1		6
7	--	--	--	--	500 VA	750 VA		--	--	--	--	8
9	--	COMM ROOM RECEPTACLE	20 A	1		360 VA	500 VA		20 A	PA RACK		10
11	--	HUB-2 (Note 1)	30 A	2			845 VA	198 VA	2	20 A	FCU-3	12
13	--	--	--	--	845 VA	198 VA		--	--	--	--	14
15	--	HUB-5	30 A	2		845 VA	845 VA	2	30 A	HUB-3 (Note 1)		16
17	--	--	--	--		845 VA	845 VA	--	--	--	--	18
19	--	HUB-1 (Note 1)	30 A	2	845 VA	845 VA		2	30 A	HUB-4 (Note 1)		20
21	--	--	--	--		845 VA	845 VA	--	--	--	--	22
23	--	CCTV RACK	20 A	1			500 VA	500 VA	1	20 A	FO RACK	24
25	--	COMM RM LTG	20 A	1	69 VA	500 VA		1	20 A	SCADA RACK		26
27	--	EUH-11	20 A	2		1498...	360 VA		1	20 A	RECEPTACLE	28
29	--	--	--	--			1498...	0 VA	1	20 A	Spare	30
31	--	Spare	20 A	1	0 VA	0 VA		1	20 A	Spare		32
33	--	Spare	20 A	1		0 VA	0 VA	1	20 A	Spare		34
35	--	Spare	20 A	1		0 VA	0 VA	1	20 A	Spare		36
37	--	Spare	20 A	1	0 VA	0 VA		1	20 A	Spare		38
39	--	Spare	20 A	1		0 VA	0 VA	1	20 A	Spare		40
41	--	Spare	20 A	1		0 VA	0 VA	1	20 A	Spare		42
Total Load:					5678 VA	7180 VA	6324 VA					
Total Amps:					47 A	61 A	54 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	3390 VA	100.00%	3390 VA	
Lighting	69 VA	100.00%	69 VA	
Other	6760 VA	100.00%	6760 VA	
Power	7000 VA	100.00%	7000 VA	
Total Conn. Load:				17512 VA
Total Est. Demand:				17512 VA
Total Conn. Current:				49 A
Total Est. Demand Current:				49 A

Notes:
1. Provide 3-#6AWG and 1-#8AWG (G) in 3/4" C.

Panel: N-ESC1

Location: CTRL RM M106
Supply From: MCB
Mounting: SURFACE
Enclosure: NEMA 4X SS

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HC/Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 225 A
Volts: 208Y/120V, 3PH, 4W

CKT	CB Opt	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CB Opt	CKT	
1	ST	Esc Motor Controller (Note 1)	90 A	3	7449...	540 VA		1	20 A	Control Rm Recept		2	
3	--	--	--	--		7449...	180 VA	1	20 A	Esc Pit Recept		4	
5	--	--	--	--			7449...	500 VA	1	20 A	Esc Pit Float SW	EP	6
7	--	Truss Htr (Note 2)	30 A	3	2000...	2000...		3	30 A	Truss Htr (Note 2)		8	
9	--	--	--	--		2000...	2000...	--	--	--	--	10	
11	--	--	--	--			2000...	2000...	--	--	--	12	
13	--	Esc Oil Heater	20 A	1	1000...	1176...		1	20 A	SP-1		14	
15	--	Esc RTU/PLC	20 A	1		500 VA	1000...	1	20 A	Sill Heater	EP	16	
17	--	Esc Controller Strip Htr	20 A	1		500 VA	1000...	1	20 A	Sill Heater	EP	18	
19	--	ESC LOWER PIT LIGHTING	20 A	1	50 VA	1498...		2	20 A	EUH-6		20	
21	--	EUH-5	20 A	2		1498...	1498...	--	--	--	--	22	
23	--	--	--	--			1498...	50 VA	1	20 A	ESC UPPER PIT LIGHTING	24	
25	--	Spare	20 A	1	0 VA	180 VA		1	20 A	ESC UPPER PIT RECEPTACLE		26	
27	--	Spare	20 A	1	0 VA	0 VA		1	20 A	Spare		28	
29	--	--	--	--								30	
31	--	--	--	--								32	
33	--	--	--	--								34	
35	--	--	--	--								36	
Total Load:					15080 VA	15301 VA	14227 VA						
Total Amps:					127 A	129 A	119 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	5990 VA	100.00%	5990 VA	
Lighting	100 VA	100.00%	100 VA	
Motor	22346 VA	100.00%	22346 VA	
Power	500 VA	100.00%	500 VA	
Spare	2000 VA	100.00%	2000 VA	
Truss Htr	12000 VA	100.00%	12000 VA	
Heating	2000 VA	100.00%	2000 VA	
PUMP	1176 VA	100.00%	1176 VA	
Total Conn. Load:				44606 VA
Total Est. Demand:				44606 VA
Total Conn. Current:				124 A
Total Est. Demand Current:				124 A

Notes:
1. Provide 4-#2AWG and 1-#8AWG (G) in a 1-1/2" C. to escalator controller and each pit motor disconnects.
2. Provide 4-#10AWG and 1-#10AWG (G) in a 3/4" C. to Truss Heater.

Panel: N-EL1

Location: CTRL ROOM M201
Supply From: NDP
Mounting: SURFACE
Enclosure: NEMA 4X SS

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HC/Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 150 A
Volts: 208Y/120V, 3PH, 4W

CKT	CB Opt	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CB Opt	CKT
1	ST	Elev 1 Motor Controller DS (Note 1)	70 A	3	5793...	180 VA		1	20 A	Elev Pit Recept		2
3	--	--	--	--	5793...	500 VA		1	20 A	Elev Cab Lighting		4
5	--	--	--	--		5793...	500 VA	1	20 A	Float Sw	GF	6
7	--	Elev 1 Machine Rm Recept	20 A	1	360 VA	198 VA		2	20 A	FCU-4		8
9	--	EF-11	20 A	1		528 VA	198 VA	--	--	--	--	10
11	--	Elevator 1 Machine Room Lighting	20 A	1		69 VA	50 VA	1	20 A	Elevator 1 Pit Lighting		12
13	--	EF-5	20 A	2	1196...	0 VA		1	20 A	Spare		14
15	--	--	--	--		1196...	1000...	1	20 A	Sill Heater	EP	16
17	EP	Sill Heater	20 A	1		1000...	1000...	1	20 A	Sill Heater	EP	18
19	--	SP-2	20 A	3	576 VA	2496...		2	30 A	EUH-3		20
21	--	--	--	--		576 VA	2496...	--	--	--	--	22
23	--	--	--	--			576 VA	360 VA	1	20 A	Elev 1 Level 05 Recept	24
25	--	FCU-5	20 A	2	198 VA	1498...		2	20 A	EUH-16		26
27	--	--	--	--		198 VA	1498...	--	--	--	--	28
29	--	EUH-18	20 A	2		1498...	0 VA	1	20 A	Spare		30
31	--	--	--	--	1498...	0 VA		1	20 A	Spare		32
33	--	Spare	20 A	1		0 VA	0 VA	1	20 A	Spare		34
35	--	Spare	20 A	1		0 VA	0 VA	1	20 A	Spare		36
Total Load:					13296 VA	13287 VA	10296 VA					
Total Amps:					115 A	115 A	86 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	14693 VA	100.00%	14693 VA	
Lighting	613 VA	100.00%	613 VA	
Motor	17380 VA	100.00%	17380 VA	
Power	500 VA	100.00%	500 VA	
Heating	3000 VA	100.00%	3000 VA	
PUMP	1729 VA	100.00%	1729 VA	
Total Conn. Load:				36853 VA
Total Est. Demand:				36853 VA
Total Conn. Current:				102 A
Total Est. Demand Current:				102 A

Notes:
1. Provide 4-#4AWG and 1-#8AWG (G) in a 1-1/2" C. to elevator controller and each motor disconnect.

Panel: N-PP2

Location: ELEC M104
Supply From: NDP
Mounting: SURFACE
Enclosure:

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HC/Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 200 A
Volts: 208Y/120V, 3PH, 4W

CKT	CB Opt	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CB Opt	CKT
1	--	Spare	20 A	1	0 VA	1498...		2	20 A	EUH-2		2
3	--	Spare	20 A	1		0 VA	1498...	--	--	--	--	4
5	--	EW4-4	20 A	2			998 VA	1498...	2	20 A	EUH-9	6
7	--	--	--	--		998 VA	1498...	--	--	--	--	8
9	--	EUH-10	20 A	2		1498...	1498...	2	20 A	EUH-1		10
11	--	--	--	--			1498...	1498...	--	--	--	12
13	--	EW4-6	20 A	2	998 VA	198 VA		2	20 A	FCU-1		14
15	--	--	--	--		998 VA	198 VA	--	--	--	--	16
17	--	CU-1	50 A	3			4575...	198 VA	2	20 A	FCU-2	18
19	--	--	--	--	4575...	198 VA		--	--	--	--	20
21	--	--	--	--		4575...	998 VA	2	20 A	EUH-14		22
23	--	IH-7	40 A	2			1602...	998 VA	2	20 A	EUH-12	24
25	--	--	--	--	1602...	998 VA		2	20 A	EUH-12		26
27	--	Spare	20 A	1		0 VA	998 VA	--	--	--	--	28
29	--	EUH-15	20 A	2			998 VA	998 VA	2	20 A	EUH-13	30
31	--	--	--	--	998 VA	998 VA		--	--	--	--	32
33	--	Spare	20 A	1		0 VA	0 VA	1	20 A	Spare		34
35	--	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	36
37	--	Spare	20 A	1	0 VA	0 VA		1	20 A	Spare		38
39	--	Spare	20 A	1		0 VA	0 VA	1	20 A	Spare		40
41	--	Spare	20 A	1		0 VA	0 VA	1	20 A	Spare		42
Total Load:					14559 VA	12261 VA	14861 VA					
Total Amps:					124 A	102 A	127 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	24501 VA	100.00%	24501 VA	

Panel: N-LP2

Location: ELECTRICAL ROOM M1.501
Supply From: NDP
Mounting: SURFACE
Enclosure: Type 12

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HCAR Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 200 A
Volts: 208Y/120V, 3PH, 4W

Table with columns: CKT, CB Opt, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CB Opt, CKT. Lists 42 circuits including NW Platform Lighting, NW Stair Lighting, and various platform lighting circuits.

Summary table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes totals for HVAC, Lighting, and Other.

Notes:
1. EACH NETWORK 3 PHASE LIGHTING CIRCUITS SHALL BE CONNECTED TO 3-POLE CIRCUIT BREAKER.

Panel: R-LP2

Location: ELECTRICAL ROOM M1.501
Supply From: RDP
Mounting: SURFACE
Enclosure: Type 12

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HCAR Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 200 A
Volts: 208Y/120V, 3PH, 4W

Table with columns: CKT, CB Opt, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CB Opt, CKT. Lists 28 circuits including NW Stair Lighting, NE Stair Lighting, and platform lighting.

Summary table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes totals for Power, Spare, and Heat Trace.

Notes:
1. EACH NETWORK 3 PHASE LIGHTING CIRCUITS SHALL BE CONNECTED TO 3-POLE CIRCUIT BREAKER.

Panel: EM-2

Location: ELECTRICAL ROOM M1.501
Supply From: NDP
Mounting: SURFACE
Enclosure: Type 12

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HCAR Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 60 A
Volts: 208Y/120V, 3PH, 4W

Note: All circuit breakers shall be lockable.

Table with columns: CKT, CB Opt, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CB Opt, CKT. Lists 22 circuits including NW Stair Lighting, NE Stair Lighting, and platform lighting.

Summary table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes totals for Lighting.

Notes:
1. EACH NETWORK 3 PHASE LIGHTING CIRCUITS SHALL BE CONNECTED TO 3-POLE CIRCUIT BREAKER.

Panel: R-HT2

Location: ELECTRICAL ROOM M1.501
Supply From: RDP
Mounting: SURFACE
Enclosure: Type 12

CB Opt: ST - Shunt Trip
L - Lockable
AF - Arc Fault Circ Interrupter
GF - Grd Fault Interrupter
C - Wired thru Contactor
EP - Equipment Grd Fault(30mA)
HC - HCAR Rated

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 200 A
Volts: 208Y/120V, 3PH, 4W

Table with columns: CKT, CB Opt, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CB Opt, CKT. Lists 23 circuits including Heat Trace and Control circuits.

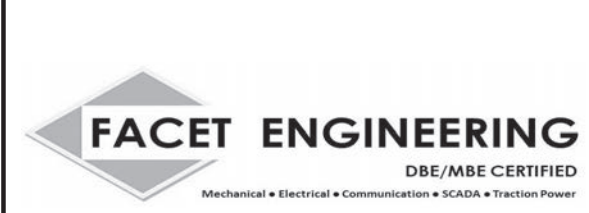
Summary table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes totals for Power, Spare, and Heat Trace.

Notes:
1. EACH NETWORK 3 PHASE LIGHTING CIRCUITS SHALL BE CONNECTED TO 3-POLE CIRCUIT BREAKER.

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A B C D E F G H J K

Project metadata table with columns: DESIGN BY, DRAWN BY, CHECKED BY, APPROVED BY, CDOT/APPROVED BY, NO., DATE, REVISIONS, DES., DRW., CHK., DCCO, CDOT.



PERKINS+WILL
The Wrigley Building
410 North Michigan Ave.
Suite 1600
Chicago, IL 60611
t 312.755.0770
f 312.755.0775
www.perkinswill.com



Project location and drawing information table with columns: 154 N DAMEN AVE - DAMEN GREEN LINE STATION, PANEL SCHEDULES, E60-13, SPEC. NO., DRAWING NO., REVISION NO., CDOT PROJECT D-7-135, DATE: 11/01/2019.

- NOTES:
1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
3. PROVIDE POWER FEEDS FROM EACH PANEL CIRCUIT TO INDICATED LOAD. PROVIDE WIRE/CABLE AND CONDUIT SIZED PER CODE INCLUDING REQUIREMENTS FOR VOLTAGE DROP.
4. ALL RACEWAYS TO BE INSTALLED CONCEALED FROM PUBLIC VISIBILITY.

Panel: R-EL1

Location: ELEV MACHINE ROOM M1.502
 Supply From: RDP
 Mounting: SURFACE
 Enclosure: NEMA 4X SS

CB Opt: ST - Shunt Trip
 L - Lockable
 AF - Arc Fault Circ Interrupter
 GF - Grd Fault Interrupter
 C - Wired thru Contactor
 EP - Equipment Grd Fault(30mA)
 HC - HCAR Rated

A.I.C. Rating: 65 KAIC
 Mains Type: MCB
 Mains Rating: 150 A
 Volts: 208Y/120V, 3PH, 4W

CKT	CB Opt	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CB Opt	CKT
1	ST	Elev 2 Motor Controller DS (Note 2)	70 A	3	5793...	180 VA			1	20 A		2
3	--		--	--		5793...	500 VA		1	20 A		4
5	--		--	--				5793...	500 VA	1	20 A	6
7		Elevator 2 Pit Lighting	20 A	1	50 VA	1000...			1	20 A		8
9		Elevator 2 Machine Room Lighting	20 A	1		69 VA	1000...		1	20 A		10
11	GF	SP-3	20 A	1			2037...	1976...	2	25 A		12
13		ELEV 2 MACHINE ROOM RECEPT	20 A	1	360 VA	1976...			--	--		14
15		ELEV 2 MACHINE ROOM RECEPT	20 A	1		360 VA	480 VA		1	20 A		16
17		EUH-4	30 A	2			2496...	200 VA	1	20 A		18
19	--		--	--	2496...	1416...			1	20 A		20
21	--	Spare	20 A	1		0 VA	1498...		2	20 A		22
23	--	Spare	20 A	1			0 VA	1498...	--	--		24
25		Elev 2 Level 05 Room Recept	20 A	1	180 VA	0 VA			1	20 A		26
27	--	Spare	20 A	1		0 VA	0 VA		1	20 A		28
29	--	Spare	20 A	1			0 VA	0 VA	1	20 A		30
31												32
33												34
35												36
Total Load:					12775 VA	9227 VA	13787 VA					
Total Amps:					111 A	77 A	119 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	13835 VA	100.00%	13835 VA	
Lighting	613 VA	100.00%	613 VA	Total Conn. Load: 35733 VA
Motor	17380 VA	100.00%	17380 VA	Total Est. Demand: 35733 VA
Power	500 VA	100.00%	500 VA	Total Conn. Current: 99 A
Spare	200 VA	100.00%	200 VA	Total Est. Demand Current: 99 A
Heating	2000 VA	100.00%	2000 VA	
PUMP	2037 VA	100.00%	2037 VA	

Notes: 1. Elevator Cab Top Ltg to be controlled via Station Photo-Cell. Provide Contactor in this panel and connect to Photo-cell. Refer to Dwg E60-17.
 2. Provide 4-#4AWG and 1-#8AWG (G) in a 1-1/2" C. to elevator controller and each motor disconnect.

Panel: N-HP

Location: ELECTRICAL ROOM M1.501
 Supply From: NDP
 Mounting: SURFACE
 Enclosure: Type 12

CB Opt: ST - Shunt Trip
 L - Lockable
 AF - Arc Fault Circ Interrupter
 GF - Grd Fault Interrupter
 C - Wired thru Contactor
 EP - Equipment Grd Fault(30mA)
 HC - HCAR Rated

A.I.C. Rating: 65 KAIC
 Mains Type: MCB
 Mains Rating: 200 A
 Volts: 208Y/120V, 3PH, 4W

CKT	CB Opt	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CB Opt	CKT
1	C	IF Heaters - N Windbreak	40 A	3	3206...	3206...				IF Heaters - S Windbreak	C	2
3	--		--	--		3206...	3206...					4
5	--		--	--			3206...	3206...				6
7												8
9												10
11												12
13	--	Spare	40 A	3	0 VA	0 VA				3	40 A	14
15	--		--	--		0 VA	0 VA			--	--	16
17	--		--	--			0 VA	0 VA		--	--	18
Total Load:					6413 VA	6413 VA	6413 VA					
Total Amps:					53 A	53 A	53 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Heating	19238 VA	100.00%	19238 VA	Total Conn. Load: 19238 VA
				Total Est. Demand: 19238 VA
				Total Conn. Current: 53 A
				Total Est. Demand Current: 53 A

Notes:

NOTES:

- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
- REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
- PROVIDE POWER FEEDS FROM EACH PANEL CIRCUIT TO INDICATED LOAD. PROVIDE WIRE/CABLE AND CONDUIT SIZED PER CODE INCLUDING REQUIREMENTS FOR VOLTAGE DROP.
- ALL RACEWAYS TO BE INSTALLED CONCEALED FROM PUBLIC VISIBILITY.

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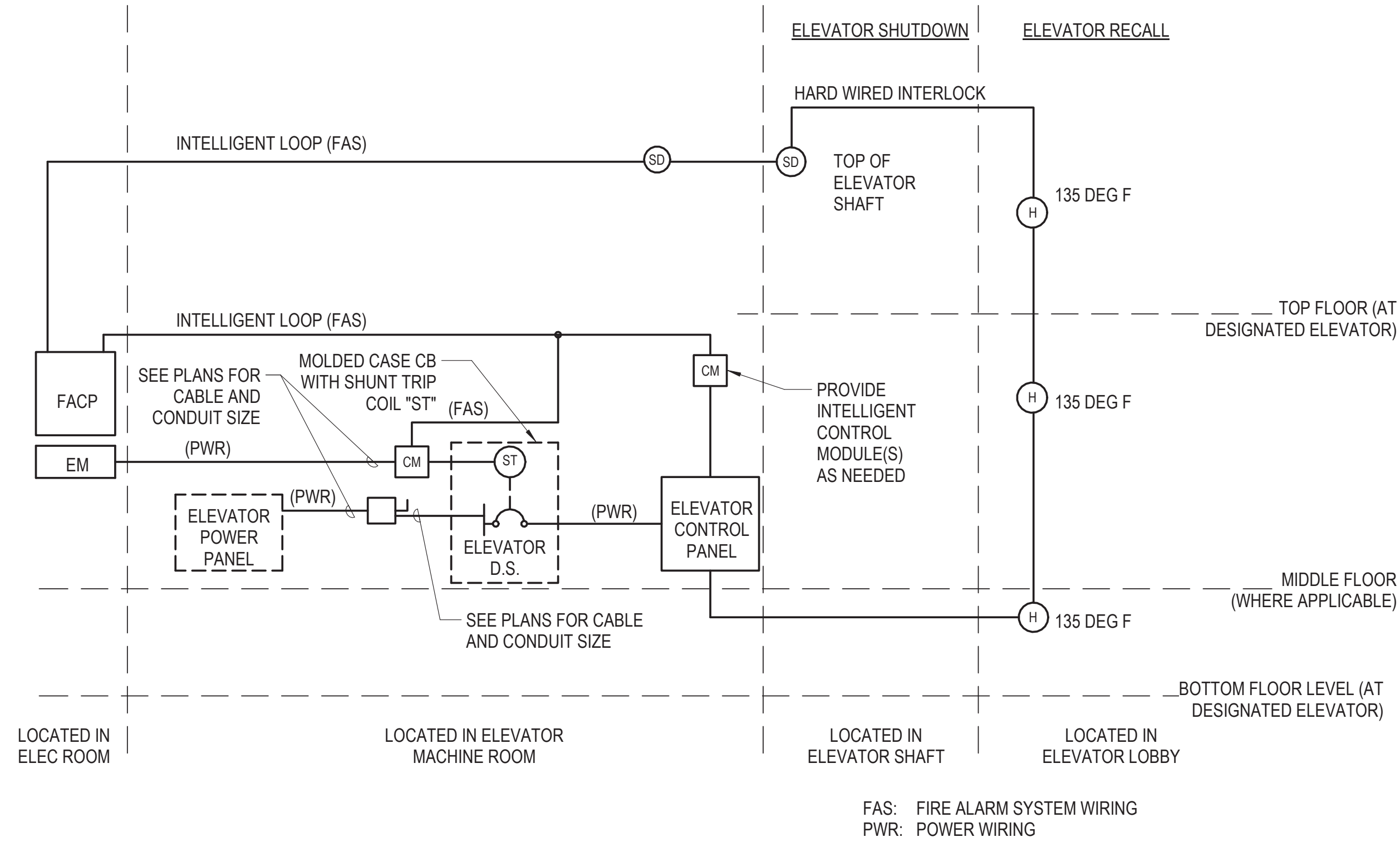
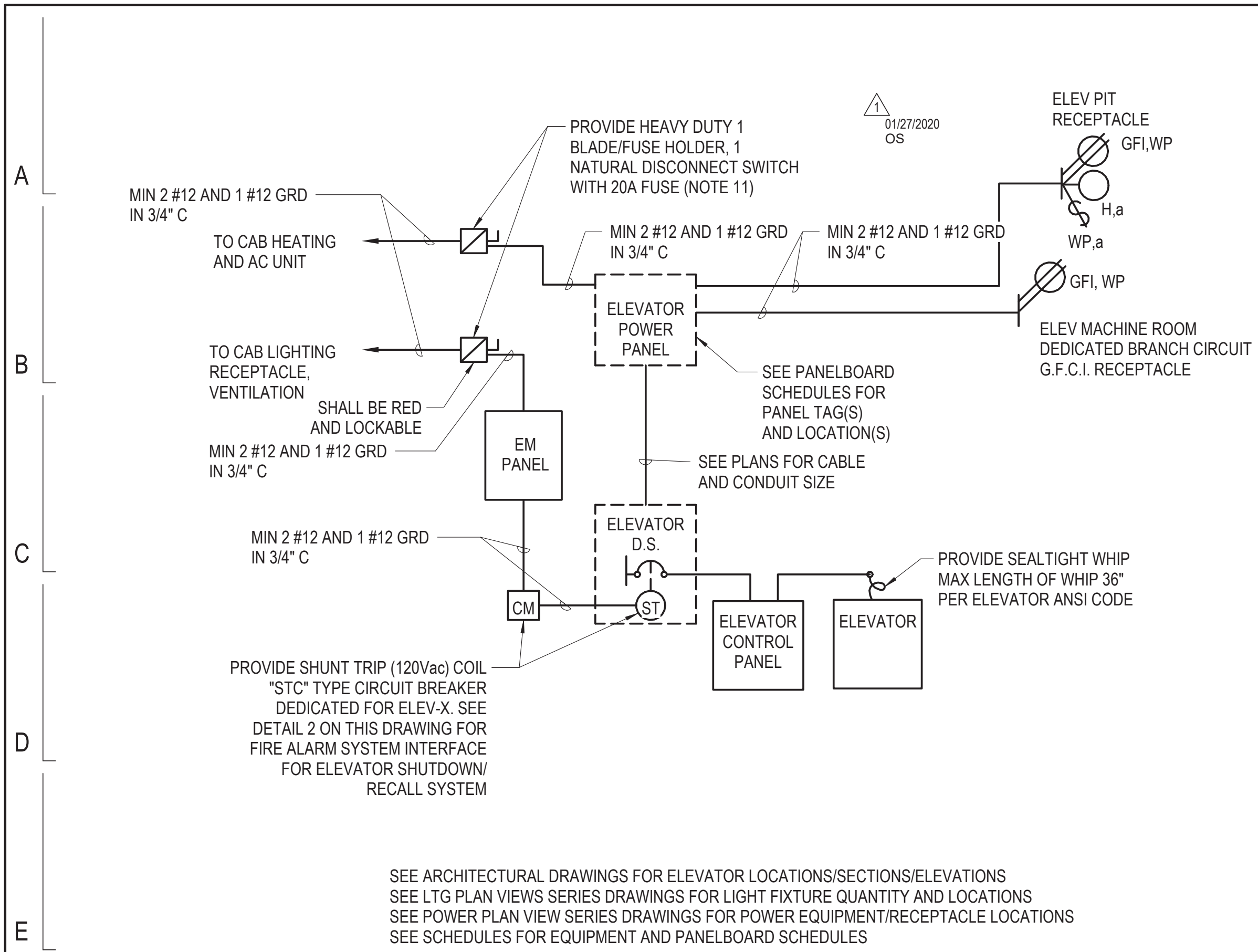
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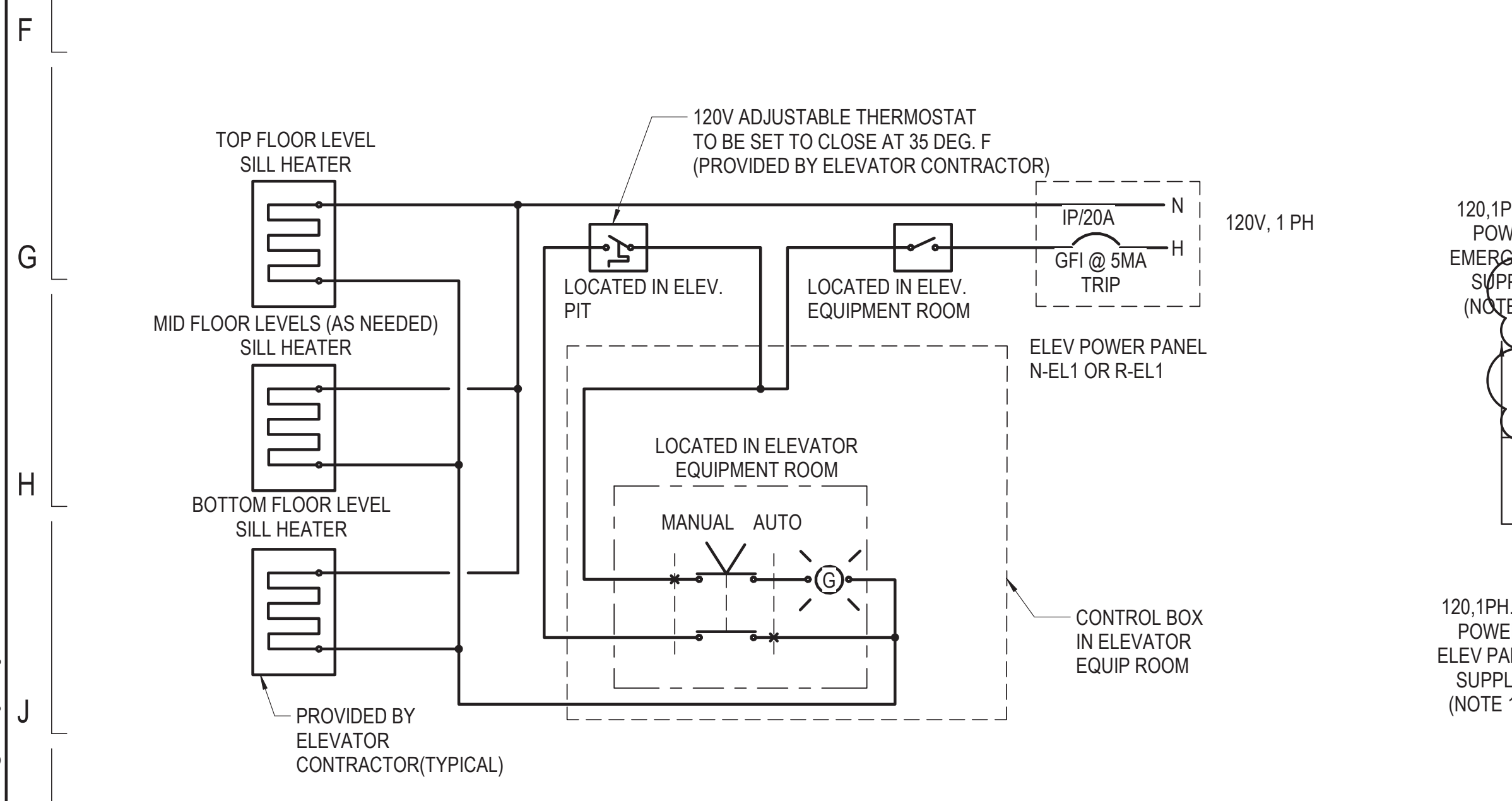
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
PANEL SCHEDULES		DRAWING NO. E60-14
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.



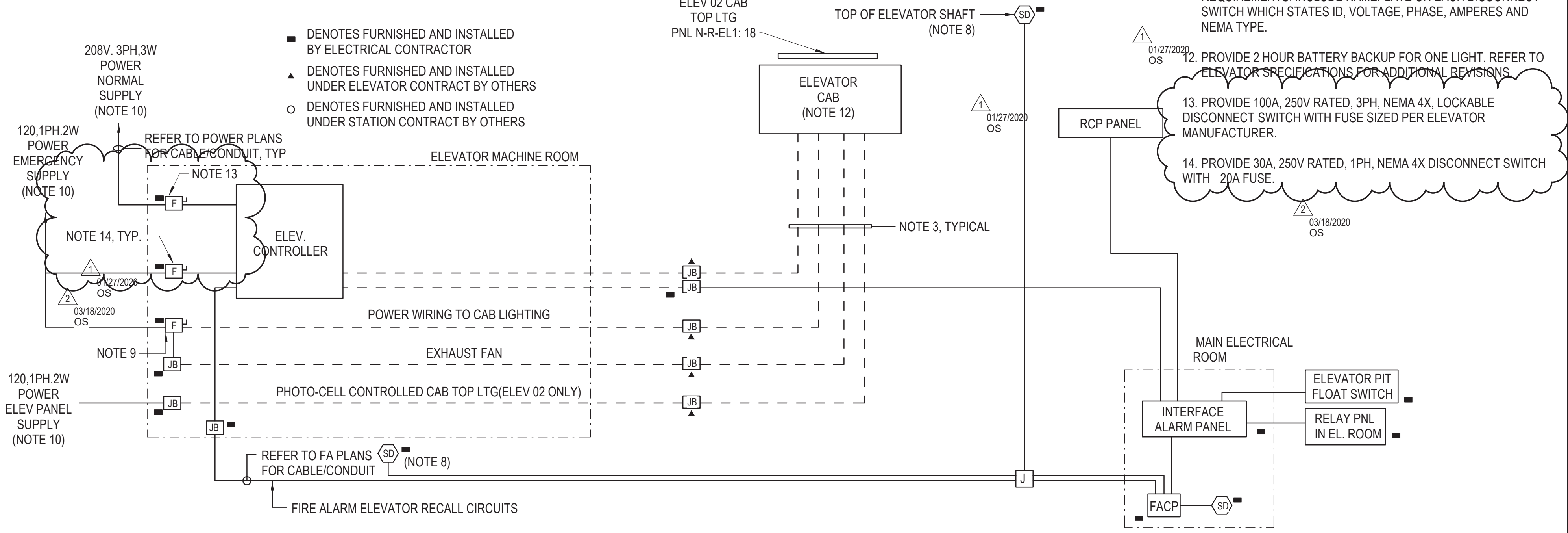
- NOTES:**
- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
 - ALL CONDUITS AND WIRING SHOWN WITH "DASHED" LINES WILL BE DESIGNED, FURNISHED AND INSTALLED UNDER ELEVATOR CONTRACT.
 - CONTRACTOR TO FURNISH AND INSTALL ALL OTHER CONDUITS AND WIRING.
 - THE CONDUITS ELECTRICAL ENCLOSURES AND ALL OTHER ELECTRICAL COMPONENTS TO BE ELECTRICALLY ISOLATED FROM EARTH GROUND.
 - FOR FEEDERS AND CONDUITS SCHEDULES REFER TO OTHER PLANS AND DETAILS.
 - ELEVATOR BLOCK DIAGRAM IS TYPICAL FOR ALL ELEVATORS
 - REFER TO FIRE ALARM RISER DIAGRAM FOR CABLE AND CONDUIT REQUIREMENTS.
 - 30A, 1PH, NEMA 4X DISCONNECT SWITCH WITH PROVISIONS FOR LOCKING. ENCLOSURE COLOR TO BE RED. DISCONNECT SWITCH TO BE LOCATED ADJACENT TO ELEVATOR EQUIPMENT ROOM DOOR.
 - REFER TO PANEL SCHEDULES FOR PANEL AND CIRCUIT NUMBERS.
 - FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CHICAGO ELECTRICAL CODE REQUIREMENTS. INCLUDE NAMEPLATE ON EACH DISCONNECT SWITCH WHICH STATES ID, VOLTAGE, PHASE, AMPERES AND NEMA TYPE.
 - PROVIDE 2 HOUR BATTERY BACKUP FOR ONE LIGHT. REFER TO ELEVATOR SPECIFICATIONS FOR ADDITIONAL REVISIONS.
 - PROVIDE 100A, 250V RATED, 3PH, NEMA 4X, LOCKABLE DISCONNECT SWITCH WITH FUSE SIZED PER ELEVATOR MANUFACTURER.
 - PROVIDE 30A, 250V RATED, 1PH, NEMA 4X DISCONNECT SWITCH WITH 20A FUSE.

1 ELEVATOR ANCILLARY POWER/CONTROL WIRING DETAIL
12" = 1'-0"

2 ELEVATOR SHUT-DOWN RECALL
12" = 1'-0"

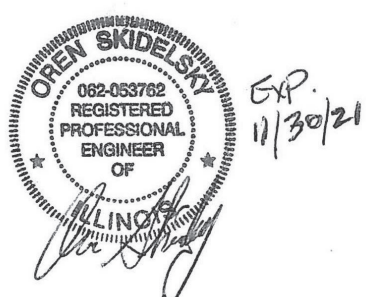


3 ELEVATOR DOOR SILL FREEZE PROTECTION - WIRING DIAGRAM (TYP.)
12" = 1'-0"



4 ELEVATOR, INTERFACE/RELAY PNLS WIRING BLOCK DIAGRAM
1/8" = 1'-0"

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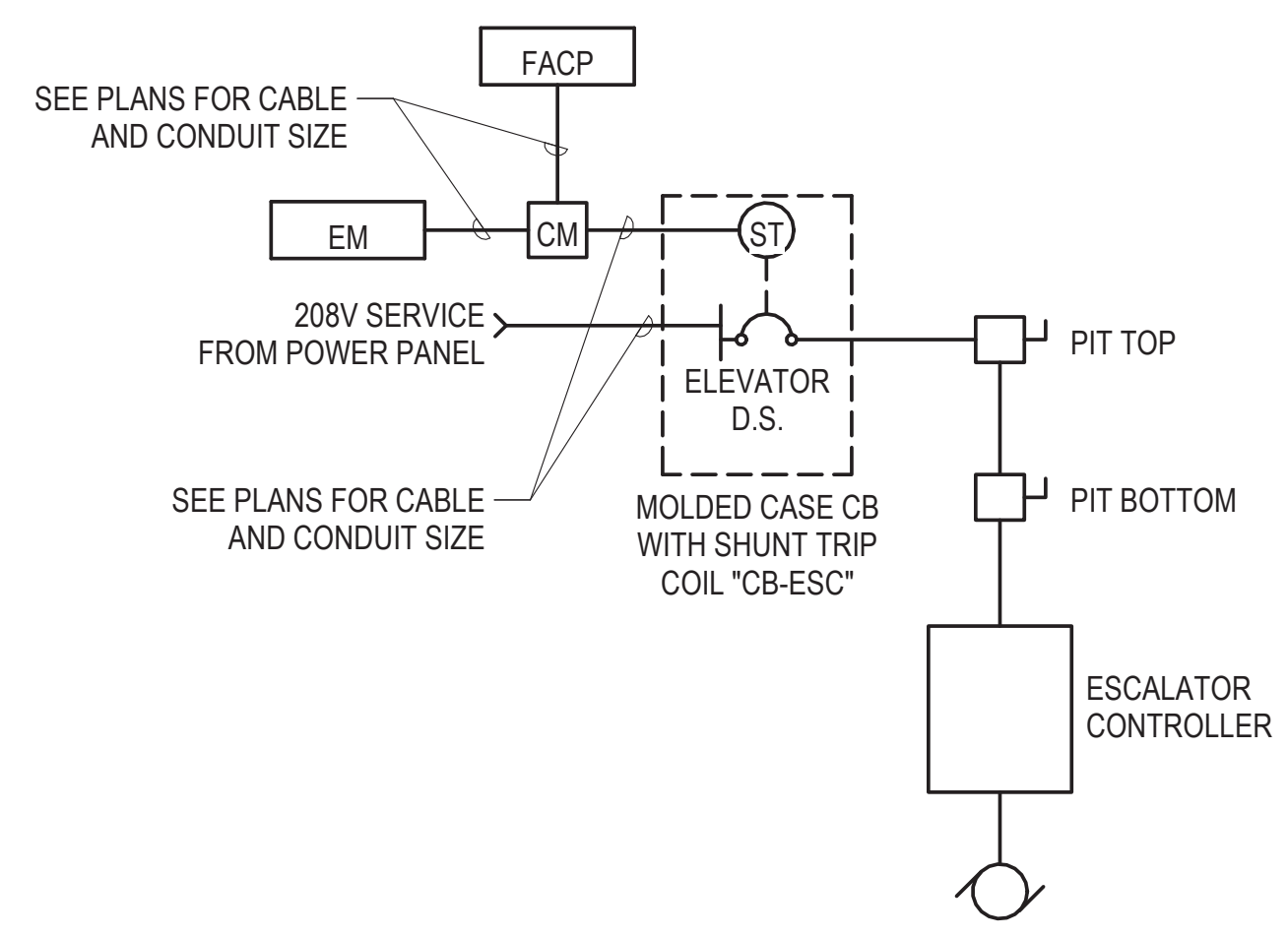


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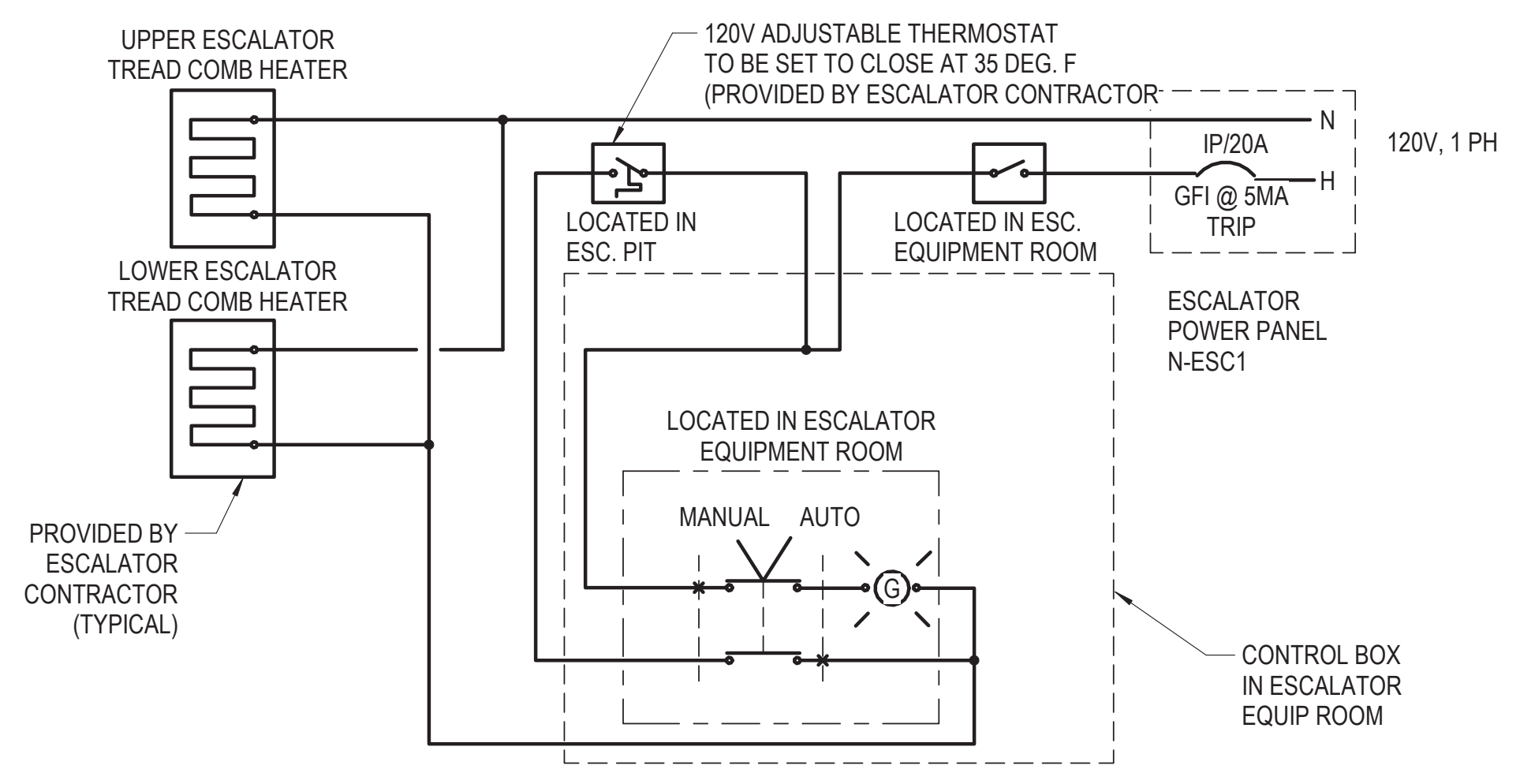


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DIAGRAMS - ELEVATOR CONTROLS		DRAWING NO. E60-15
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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1 ESCALATOR POWER/
CONTROL WIRING DETAIL
12" = 1'-0"



2 ESCALATOR COMB FREEZE
PROTECTION - WIRING DIAGRAM (TYP.)
12" = 1'-0"

NOTES:

1. SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.

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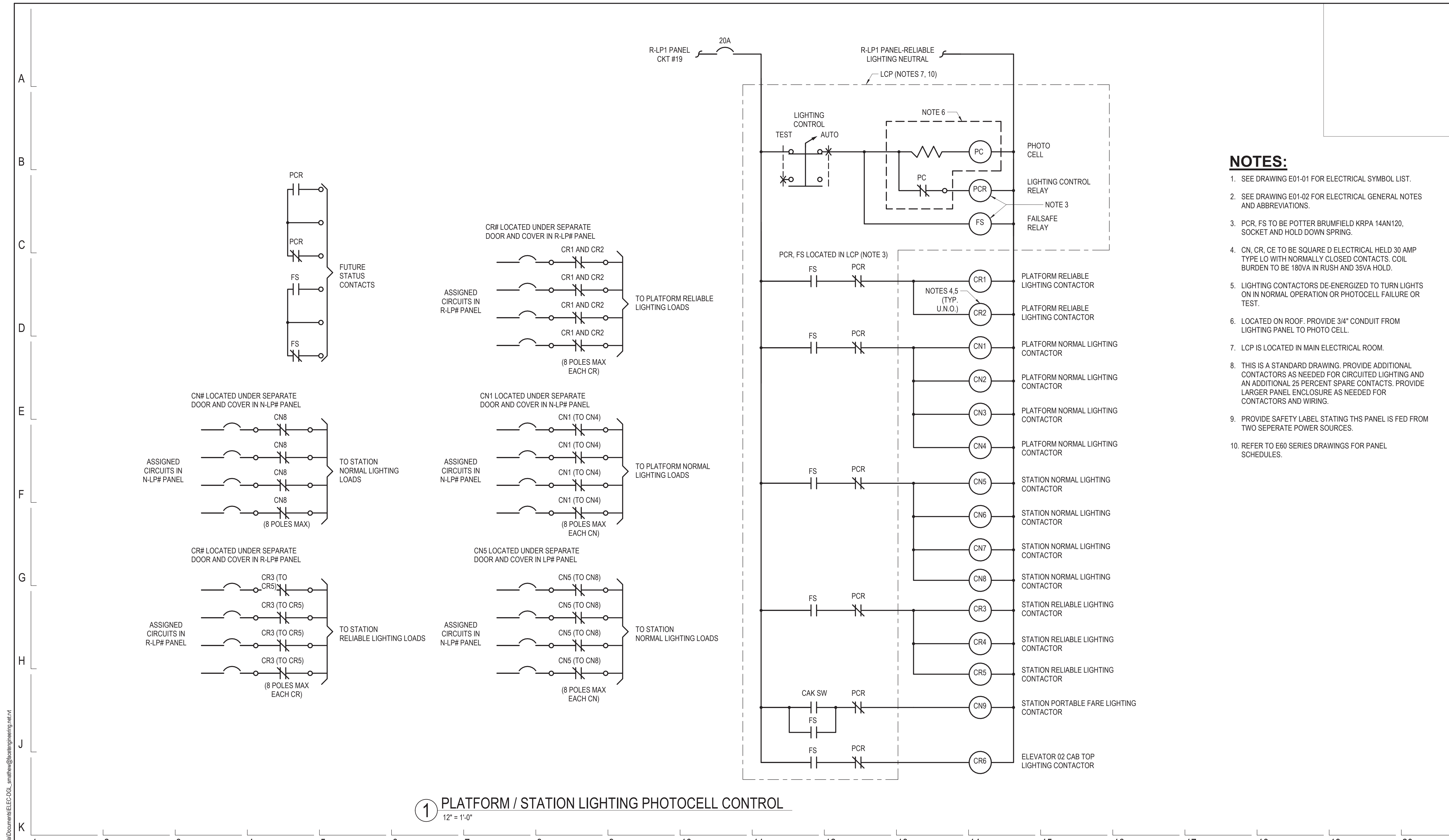


154 N DAMEN AVE - DAMEN GREEN LINE STATION

DIAGRAMS - ESCALATOR CONTROLS

CDOT PROJECT D-7-135 DATE: 11/01/2019

SPEC. NO.
DRAWING NO. E60-16
REVISION NO.



- NOTES:**
- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
 - PCR, FS TO BE POTTER BRUMFIELD KRPA 14AN120, SOCKET AND HOLD DOWN SPRING.
 - CN, CR, CE TO BE SQUARE D ELECTRICAL HELD 30 AMP TYPE LO WITH NORMALLY CLOSED CONTACTS. COIL BURDEN TO BE 180VA IN RUSH AND 35VA HOLD.
 - LIGHTING CONTACTORS DE-ENERGIZED TO TURN LIGHTS ON IN NORMAL OPERATION OR PHOTOCELL FAILURE OR TEST.
 - LOCATED ON ROOF. PROVIDE 3/4" CONDUIT FROM LIGHTING PANEL TO PHOTO CELL.
 - LCP IS LOCATED IN MAIN ELECTRICAL ROOM.
 - THIS IS A STANDARD DRAWING. PROVIDE ADDITIONAL CONTACTORS AS NEEDED FOR CIRCUTED LIGHTING AND AN ADDITIONAL 25 PERCENT SPARE CONTACTS. PROVIDE LARGER PANEL ENCLOSURE AS NEEDED FOR CONTACTORS AND WIRING.
 - PROVIDE SAFETY LABEL STATING THIS PANEL IS FED FROM TWO SEPERATE POWER SOURCES.
 - REFER TO E60 SERIES DRAWINGS FOR PANEL SCHEDULES.

1 PLATFORM / STATION LIGHTING PHOTOCELL CONTROL
12" = 1'-0"

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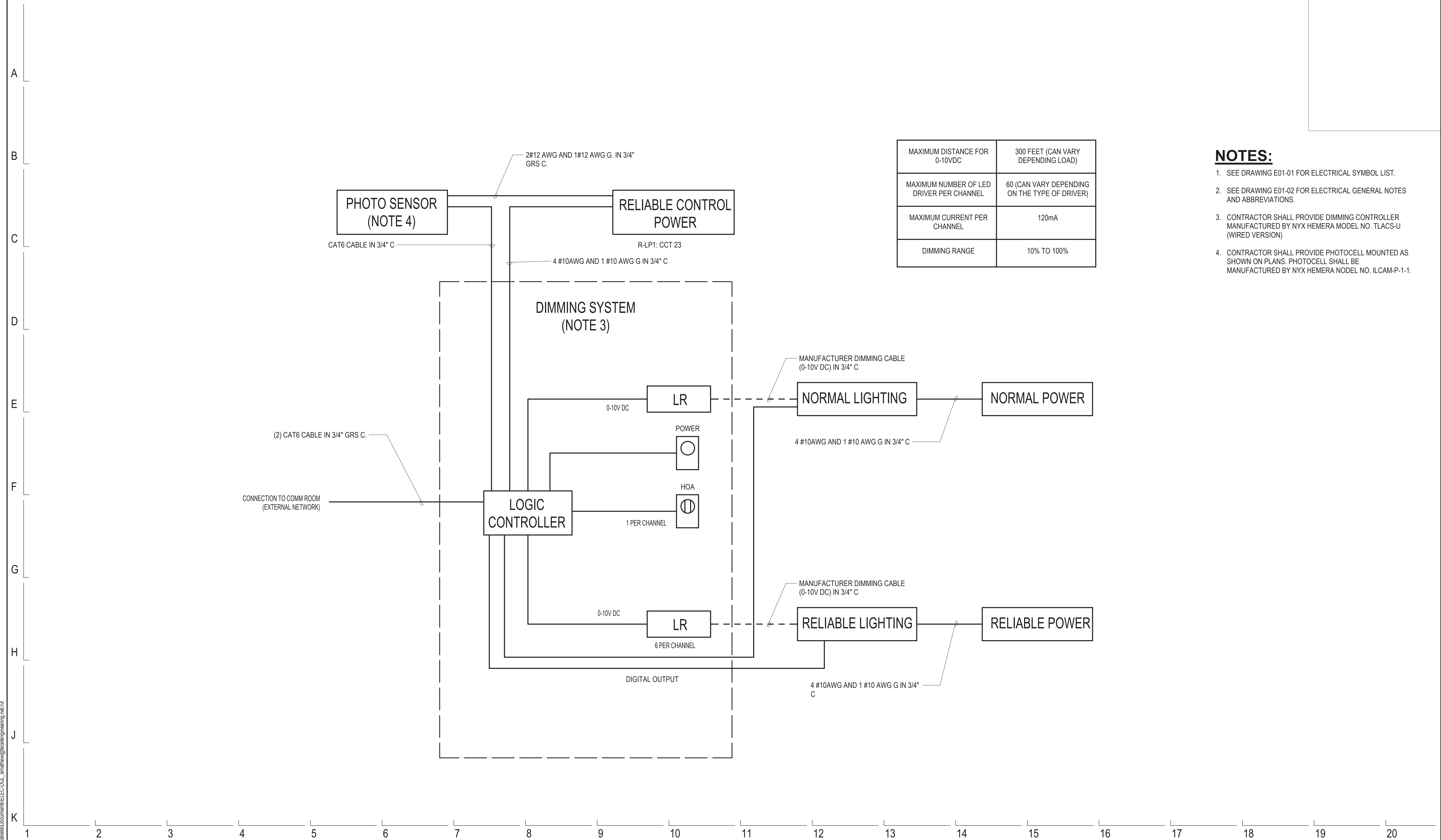


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DIAGRAMS - LIGHTING CONTROL		DRAWING NO. E60-17
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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MAXIMUM DISTANCE FOR 0-10VDC	300 FEET (CAN VARY DEPENDING LOAD)
MAXIMUM NUMBER OF LED DRIVER PER CHANNEL	60 (CAN VARY DEPENDING ON THE TYPE OF DRIVER)
MAXIMUM CURRENT PER CHANNEL	120mA
DIMMING RANGE	10% TO 100%

- NOTES:**
- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
 - CONTRACTOR SHALL PROVIDE DIMMING CONTROLLER MANUFACTURED BY NYX HEMERA MODEL NO. TLACS-U (WIRED VERSION)
 - CONTRACTOR SHALL PROVIDE PHOTOCELL MOUNTED AS SHOWN ON PLANS. PHOTOCELL SHALL BE MANUFACTURED BY NYX HEMERA MODEL NO. ILCAM-P-1-1.

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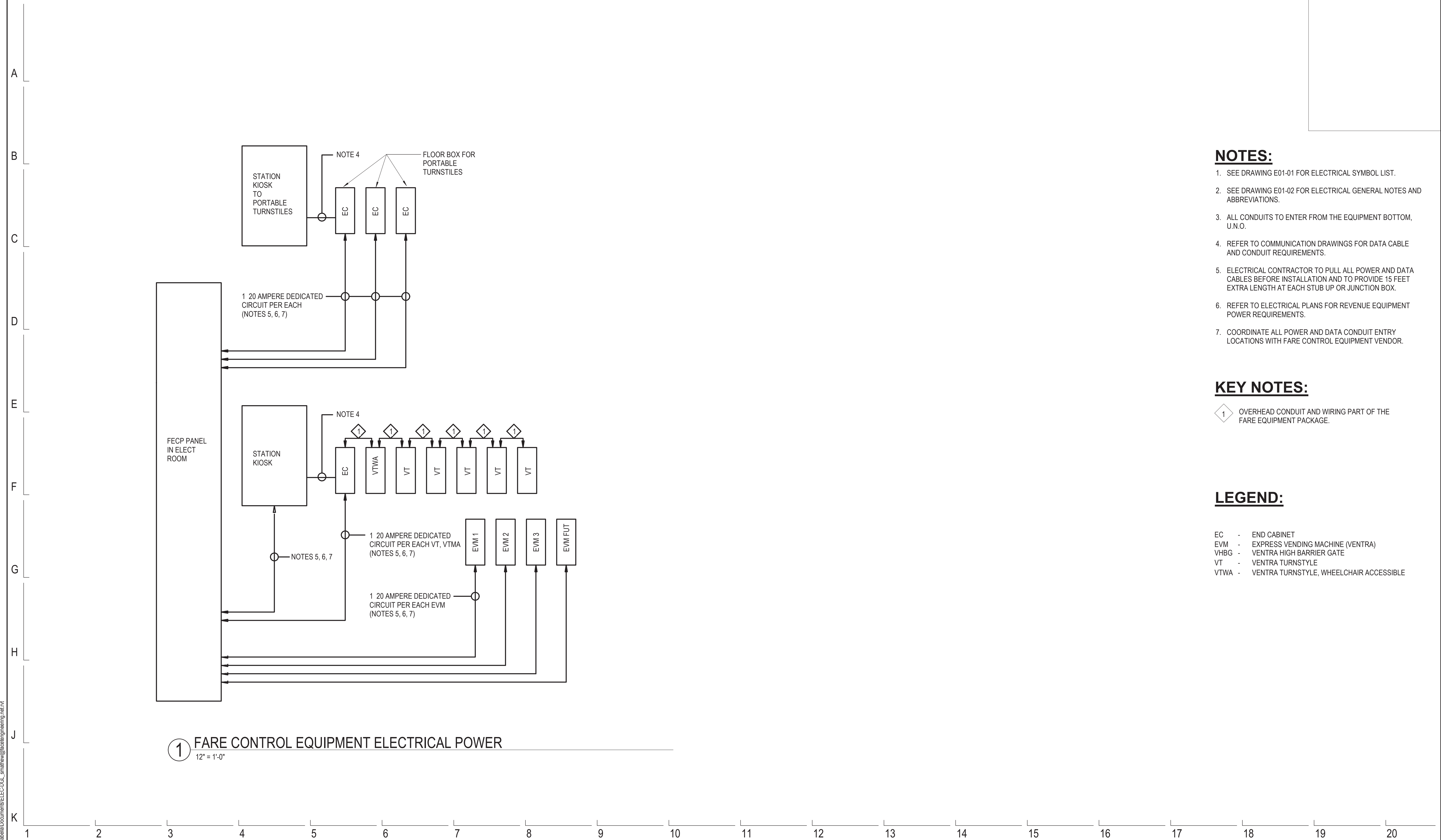
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DIAGRAMS - LIGHTING DIMMING CONTROL		DRAWING NO. E60-18
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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1 FARE CONTROL EQUIPMENT ELECTRICAL POWER
12" = 1'-0"

NOTES:

1. SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
3. ALL CONDUITS TO ENTER FROM THE EQUIPMENT BOTTOM, U.N.O.
4. REFER TO COMMUNICATION DRAWINGS FOR DATA CABLE AND CONDUIT REQUIREMENTS.
5. ELECTRICAL CONTRACTOR TO PULL ALL POWER AND DATA CABLES BEFORE INSTALLATION AND TO PROVIDE 15 FEET EXTRA LENGTH AT EACH STUB UP OR JUNCTION BOX.
6. REFER TO ELECTRICAL PLANS FOR REVENUE EQUIPMENT POWER REQUIREMENTS.
7. COORDINATE ALL POWER AND DATA CONDUIT ENTRY LOCATIONS WITH FARE CONTROL EQUIPMENT VENDOR.

KEY NOTES:

- 1 OVERHEAD CONDUIT AND WIRING PART OF THE FARE EQUIPMENT PACKAGE.

LEGEND:

- EC - END CABINET
- EVM - EXPRESS VENDING MACHINE (VENTRA)
- VHVG - VENTRA HIGH BARRIER GATE
- VT - VENTRA TURNSTYLE
- VTWA - VENTRA TURNSTYLE, WHEELCHAIR ACCESSIBLE

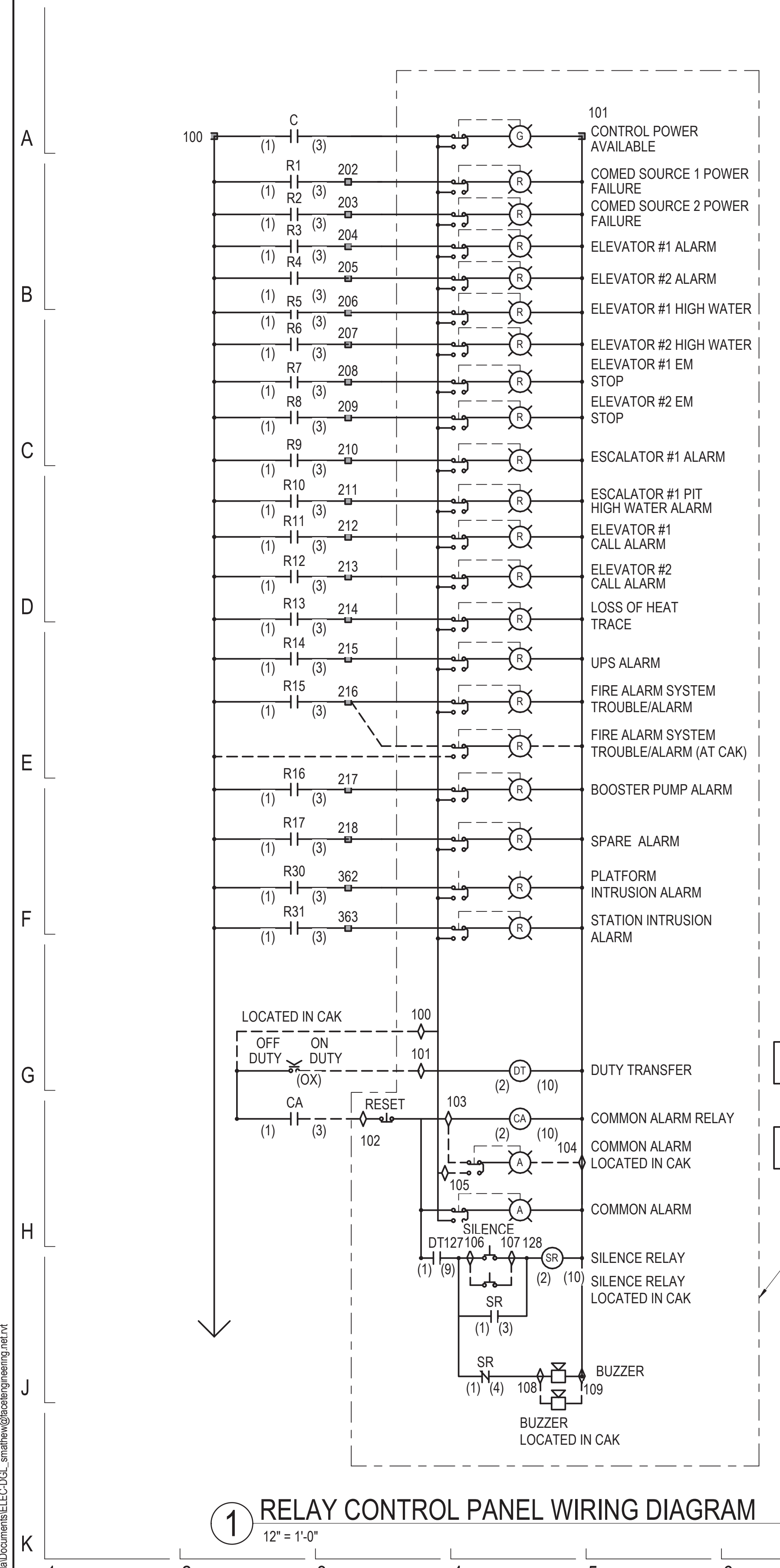
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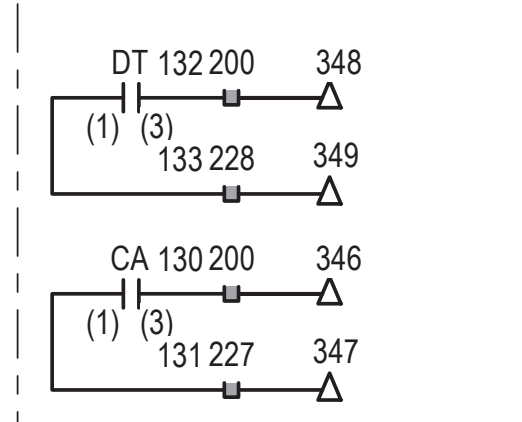
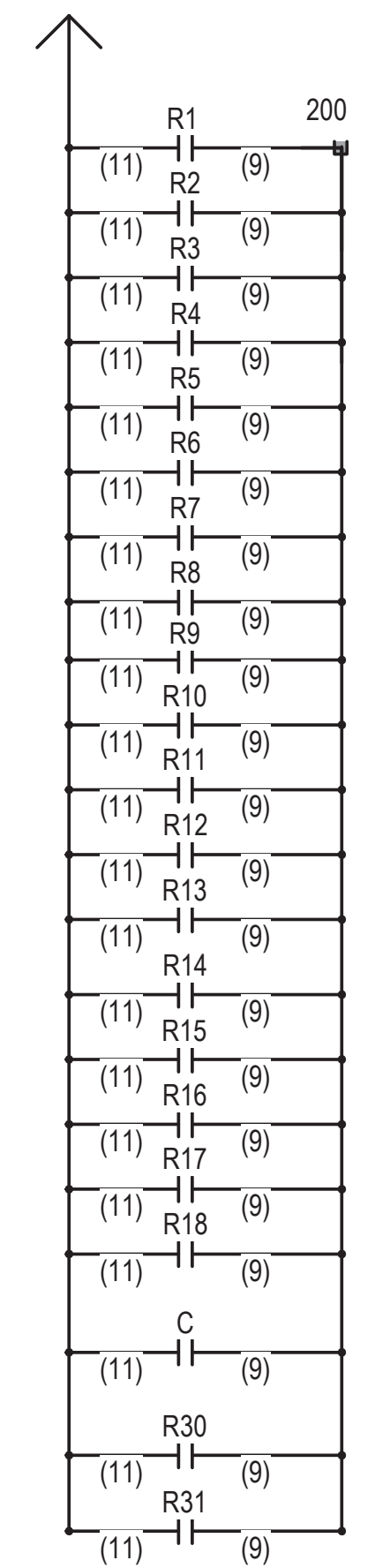
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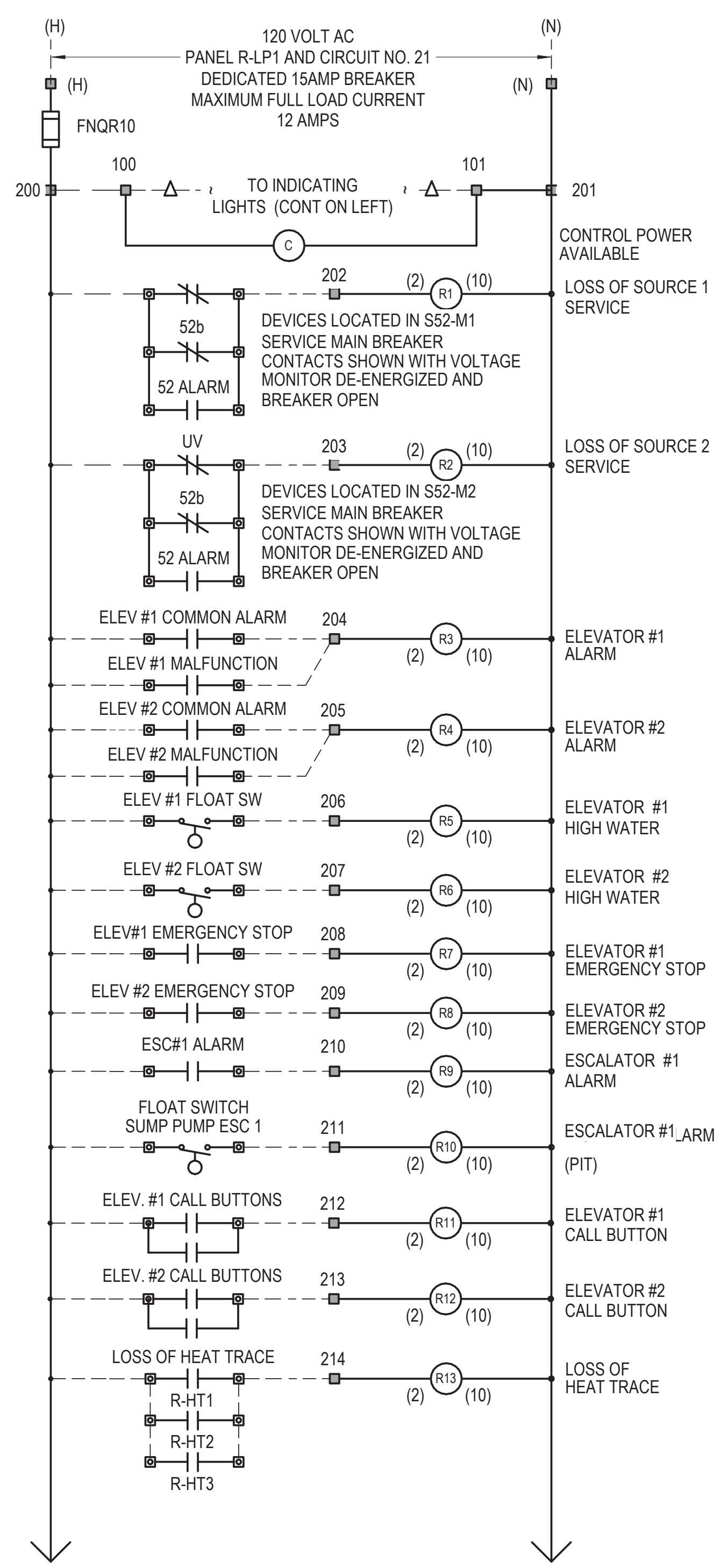
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DIAGRAMS - FARE CONTROL EQUIPMENT BLOCK		DRAWING NO. E60-19
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.



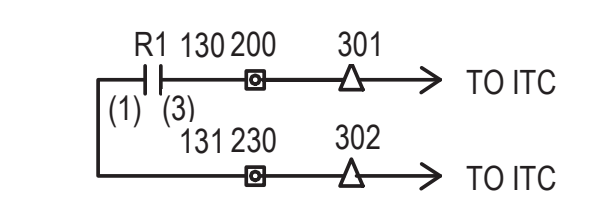
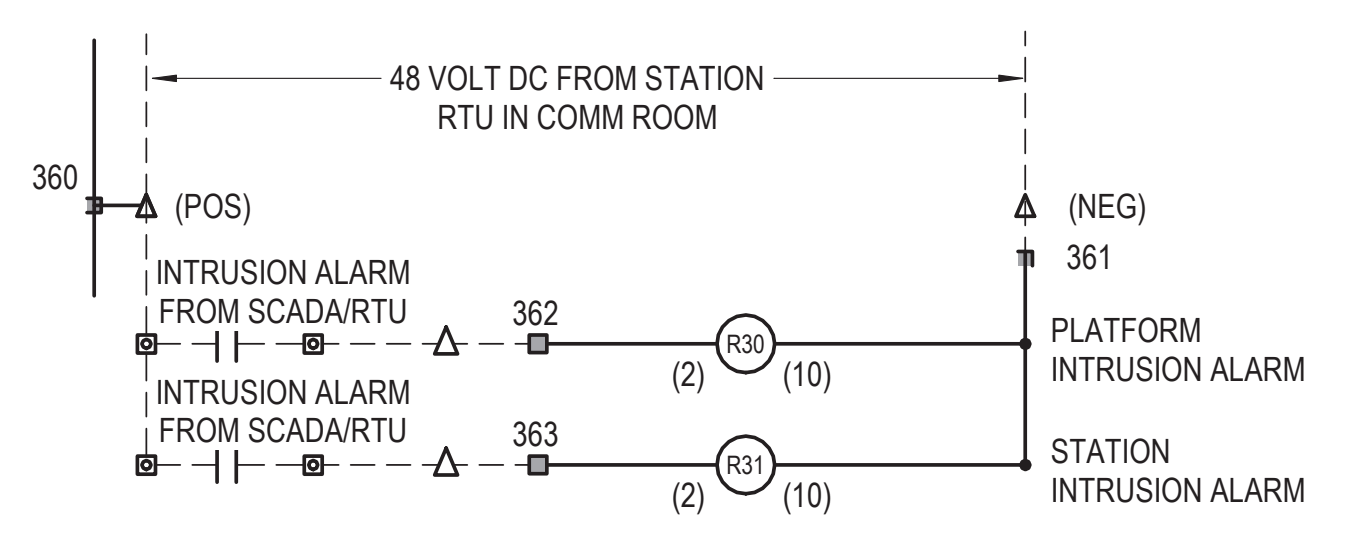
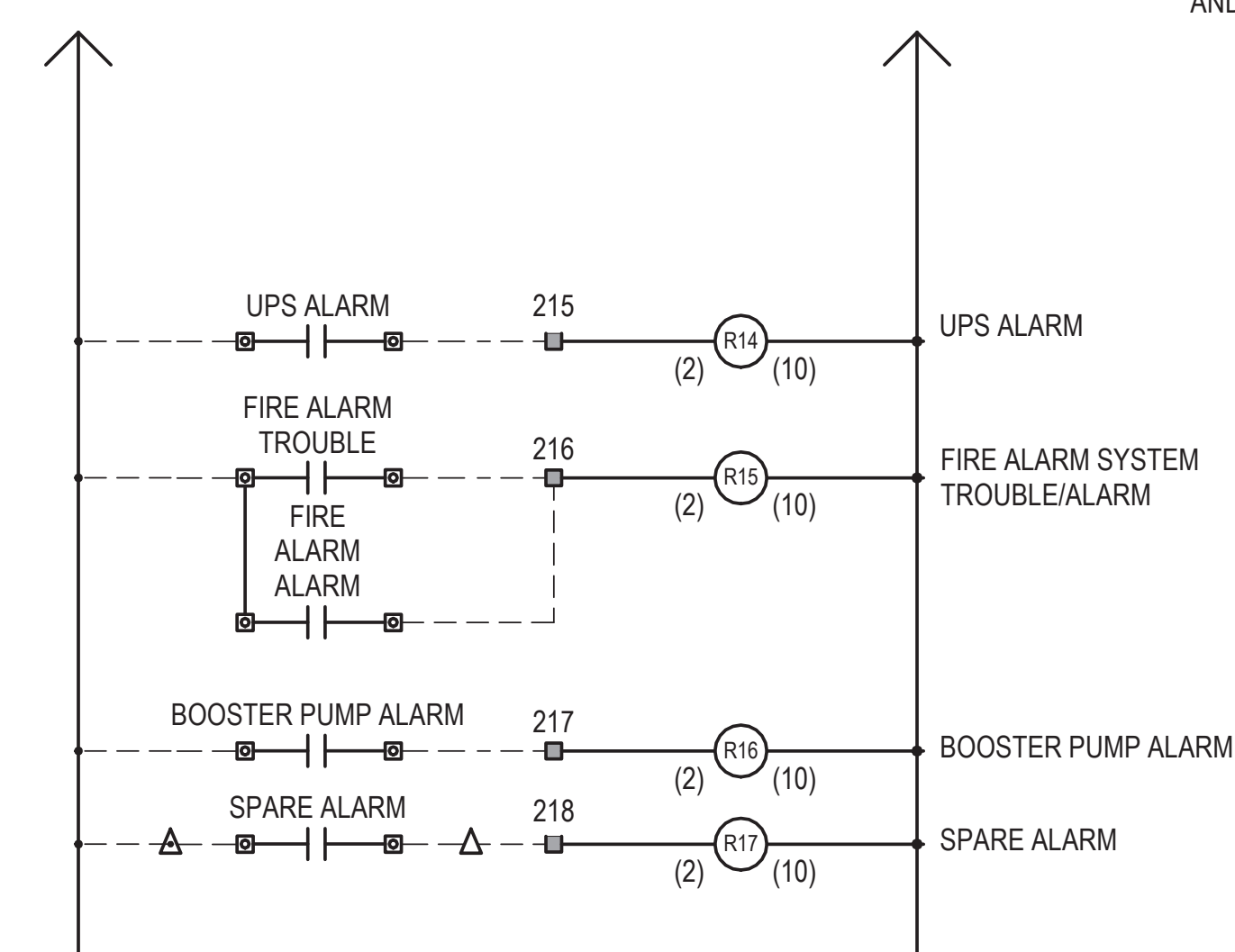
1 RELAY CONTROL PANEL WIRING DIAGRAM
12" = 1'-0"



LOCATED ON RCP FRONT, UNO



2 TYPICAL RELAY WIRING DIAGRAM
12" = 1'-0"



NOTES:

- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
- SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.

LEGEND	
SYMBOL	DESCRIPTION
△	TERMINAL IN KIOSK ALARM PANEL
△	TERMINAL IN INTERFACE TERMINAL CABINET
■	TERMINAL OR DEVICE IN RELAY CONTROL PANEL
□	TERMINAL AT RESPECTIVE REMOTE DEVICE

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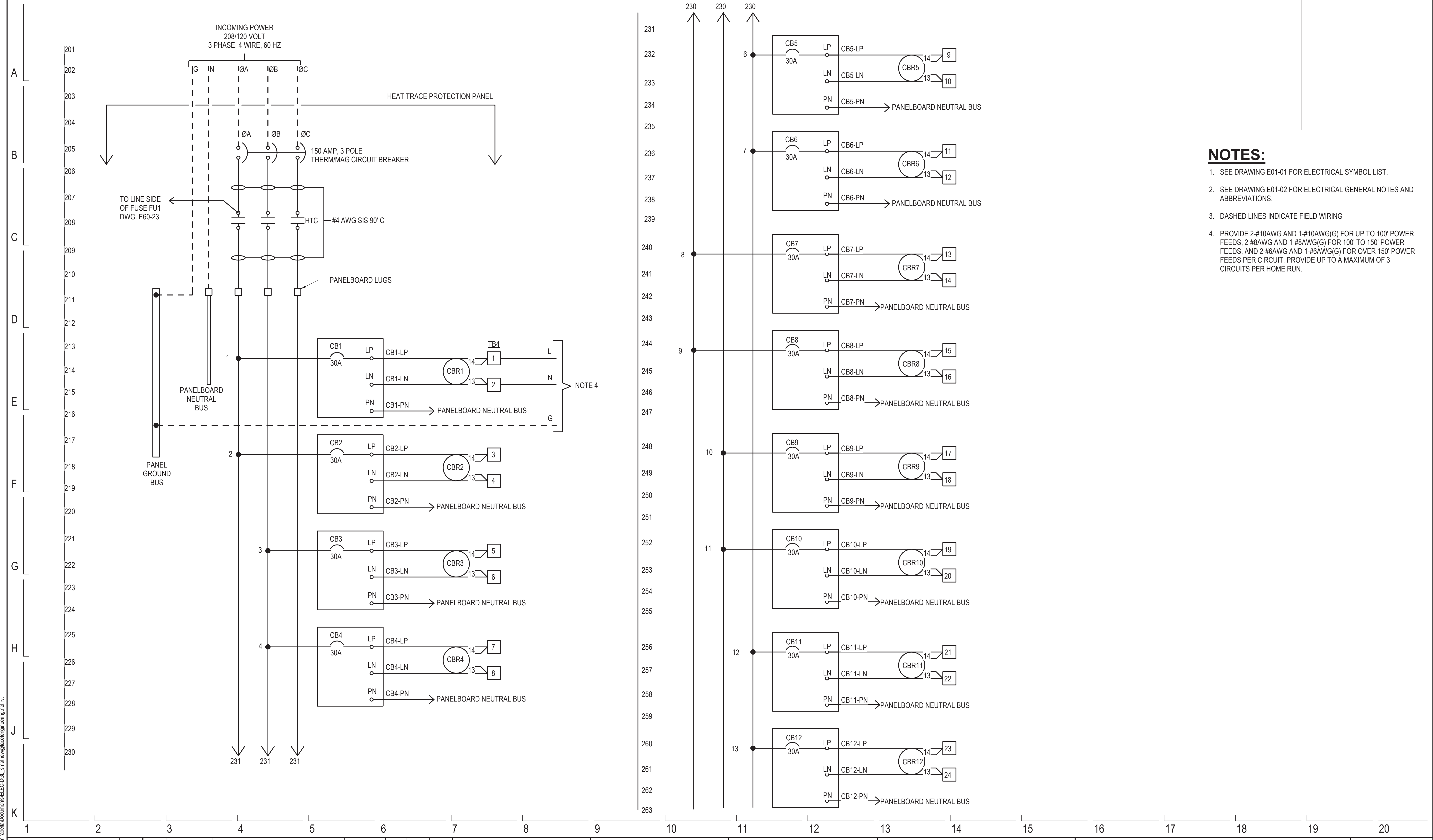


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DIAGRAMS - RELAY CONTROL PANEL WIRING		DRAWING NO. E60-20
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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- NOTES:**
- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
 - DASHED LINES INDICATE FIELD WIRING
 - PROVIDE 2-#10AWG AND 1-#10AWG(G) FOR UP TO 100' POWER FEEDS, 2-#8AWG AND 1-#8AWG(G) FOR 100' TO 150' POWER FEEDS, AND 2-#6AWG AND 1-#6AWG(G) FOR OVER 150' POWER FEEDS PER CIRCUIT. PROVIDE UP TO A MAXIMUM OF 3 CIRCUITS PER HOME RUN.

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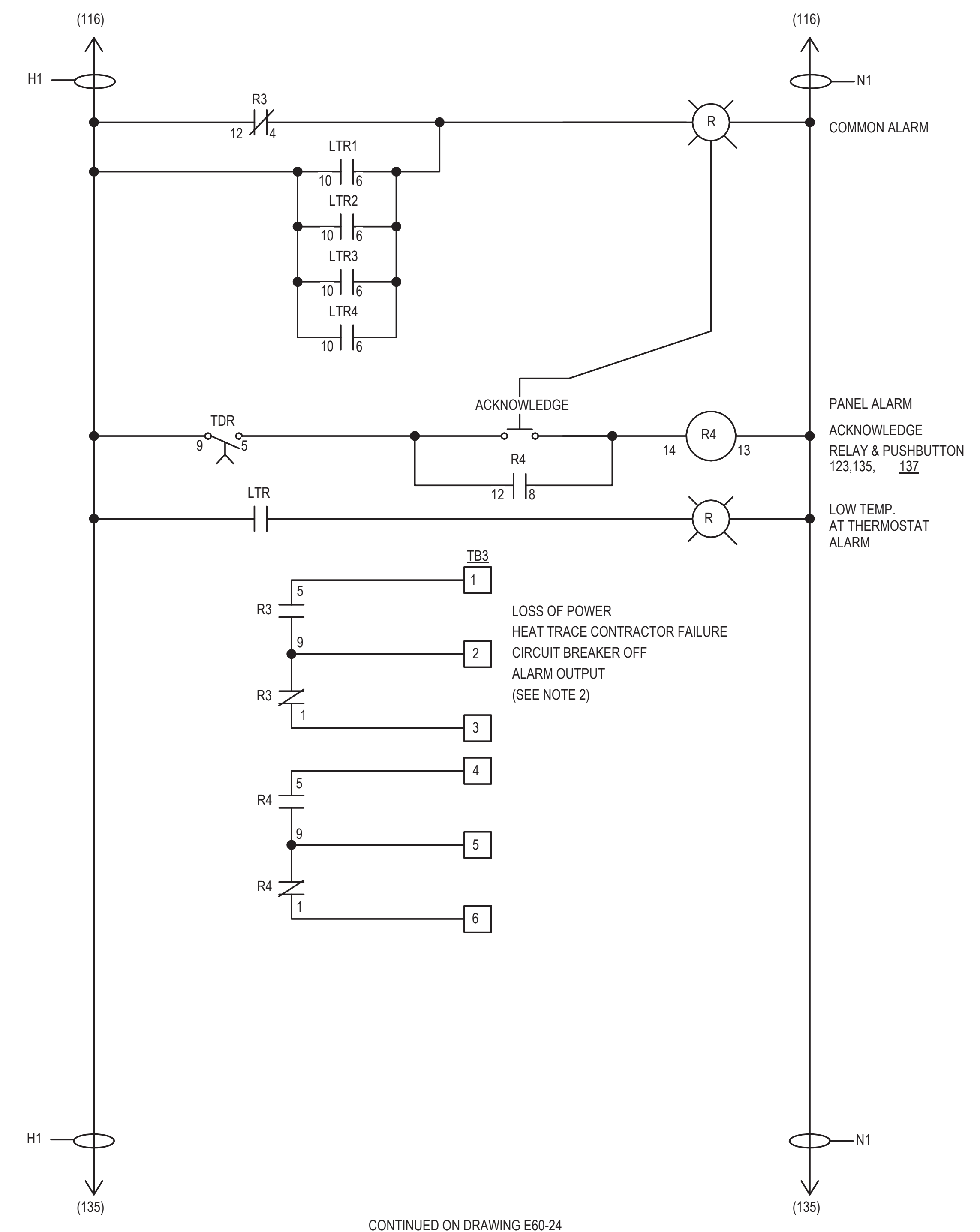
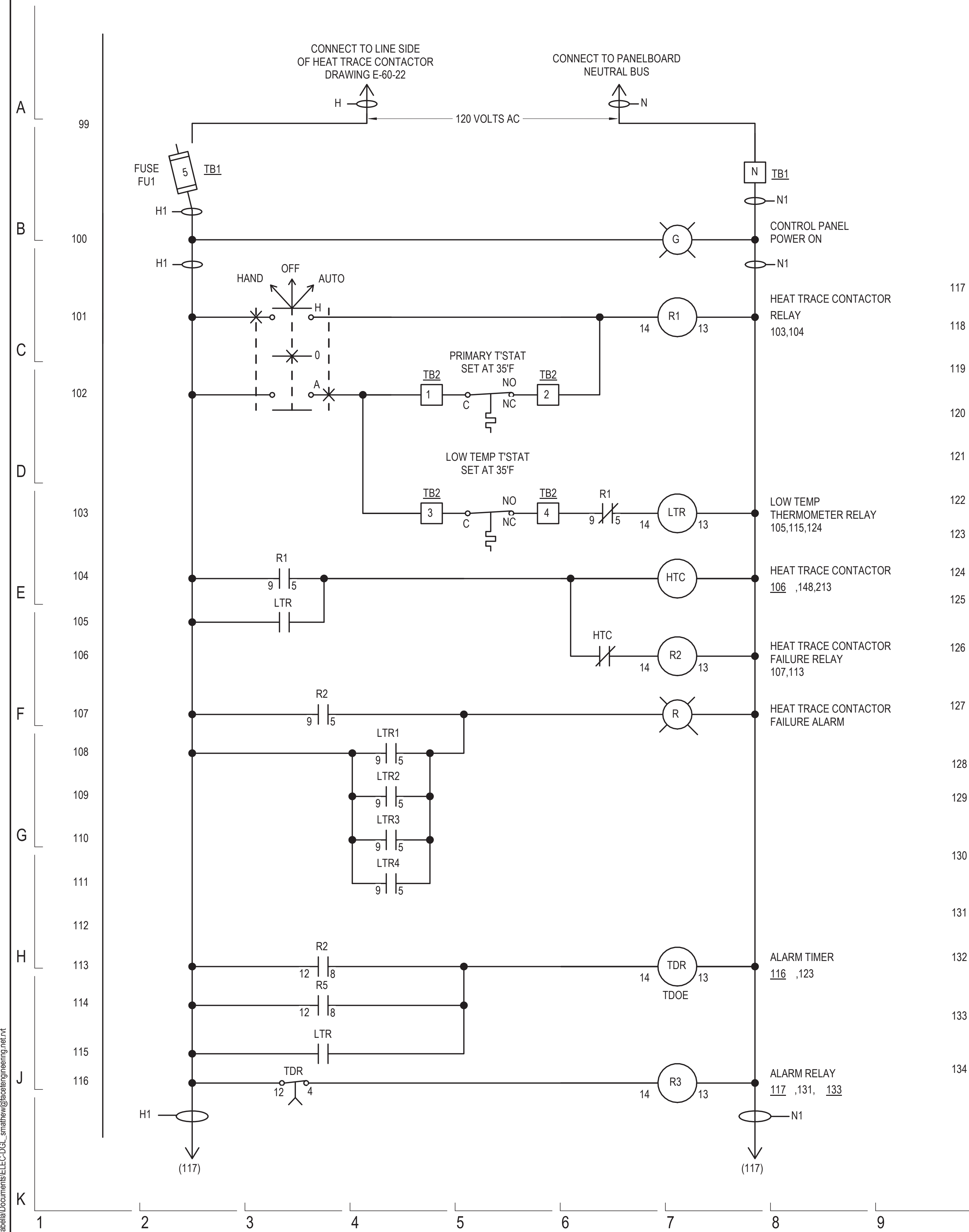


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DIAGRAMS - HEAT TRACE PANEL WIRING PART 1		DRAWING NO. E60-22
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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- NOTES:**
1. SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 2. SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
 3. DASHED LINES INDICATE FIELD WIRING
 4. PANEL ALARM OUTPUT CONTACTS SHOWN IN ALARM MODE.
NORMAL: R3 ENERGIZED
ALARM: R3 DE-ENERGIZED

CONTINUED ON DRAWING E60-24

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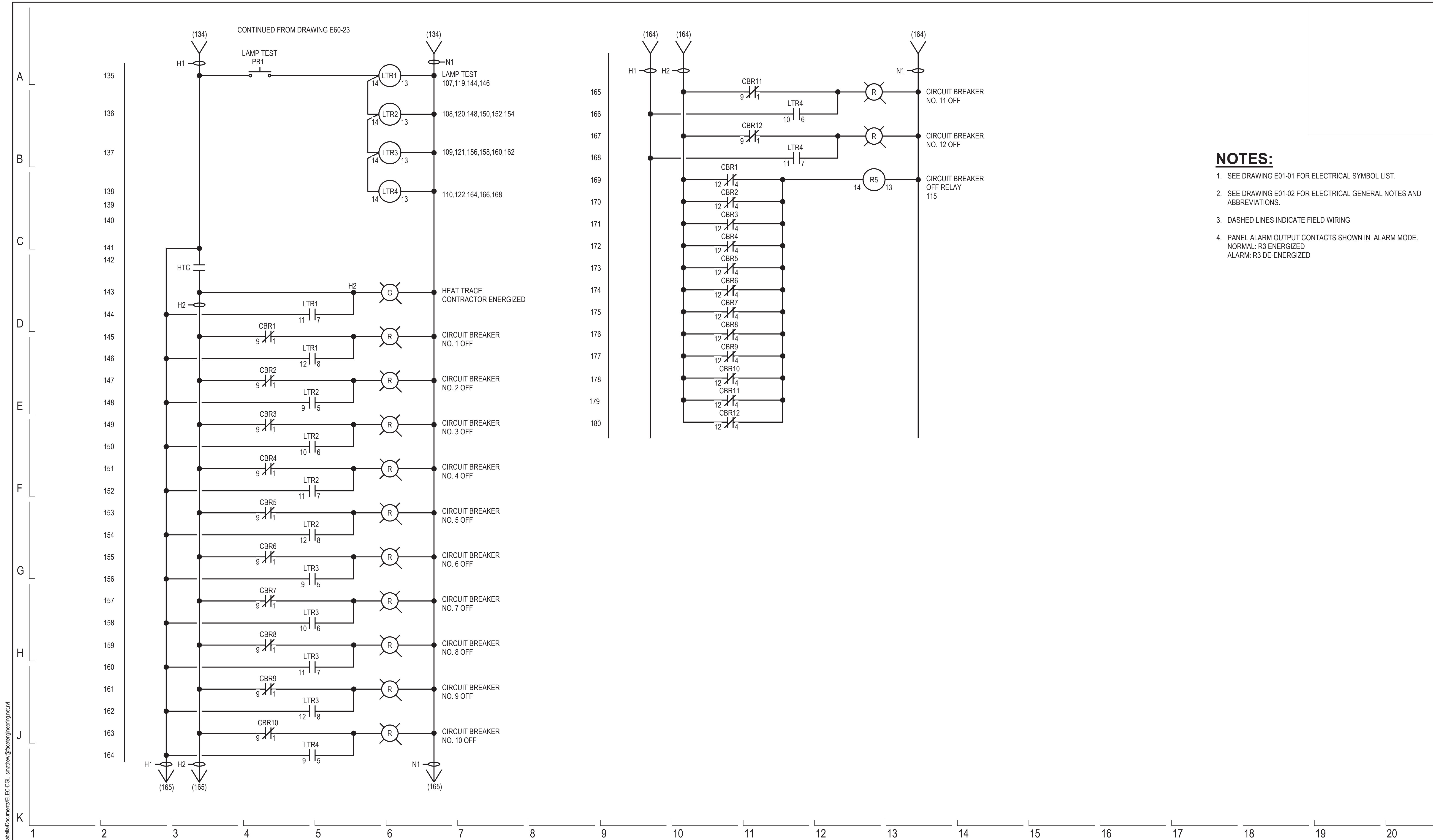


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DIAGRAMS - HEAT TRACE PANEL WIRING PART 2		DRAWING NO. E60-23
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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- NOTES:**
- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
 - DASHED LINES INDICATE FIELD WIRING
 - PANEL ALARM OUTPUT CONTACTS SHOWN IN ALARM MODE.
NORMAL: R3 ENERGIZED
ALARM: R3 DE-ENERGIZED

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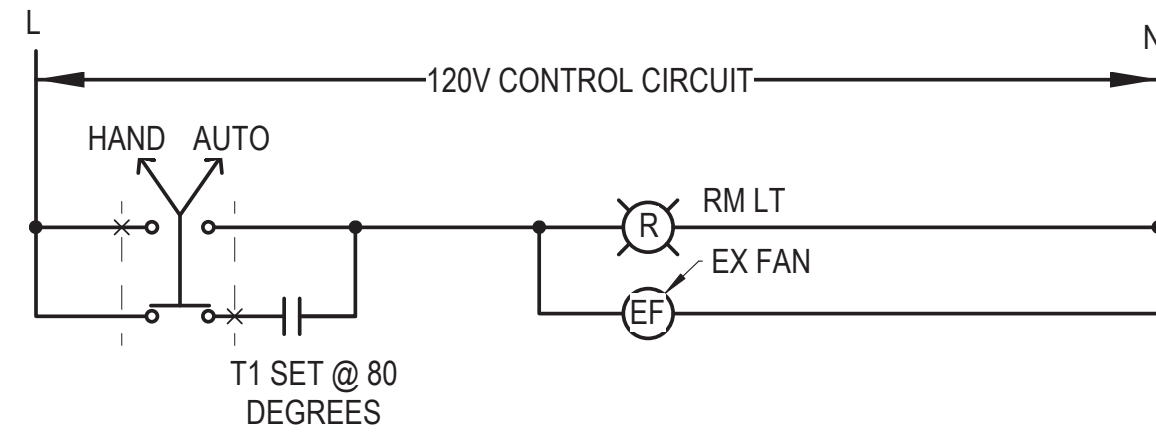
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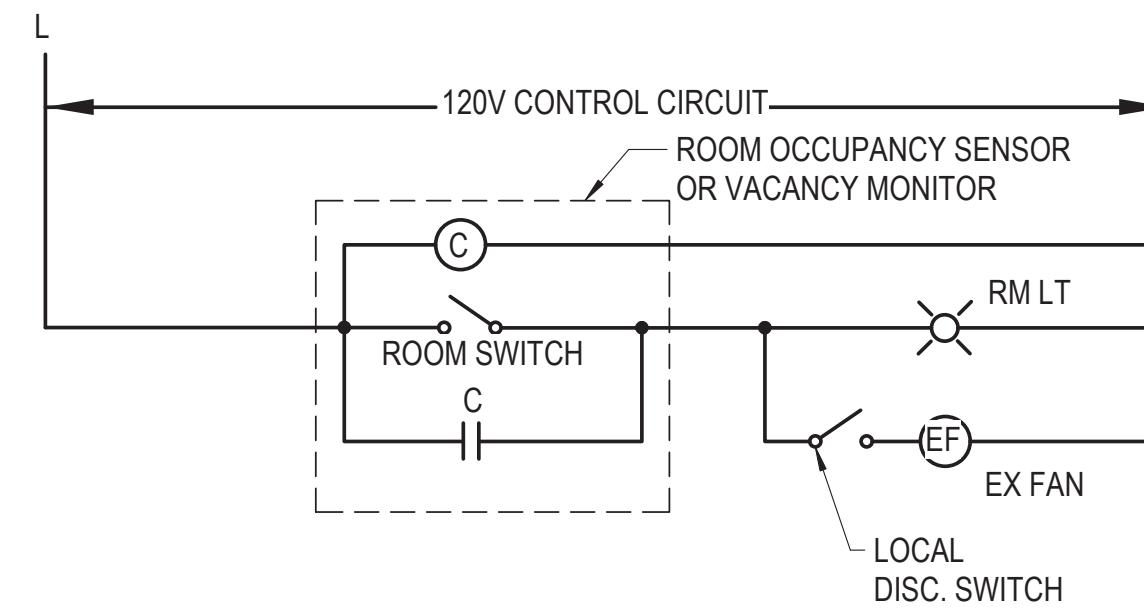
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DIAGRAMS - HEAT TRACE PANEL WIRING PART 3		DRAWING NO. E60-24
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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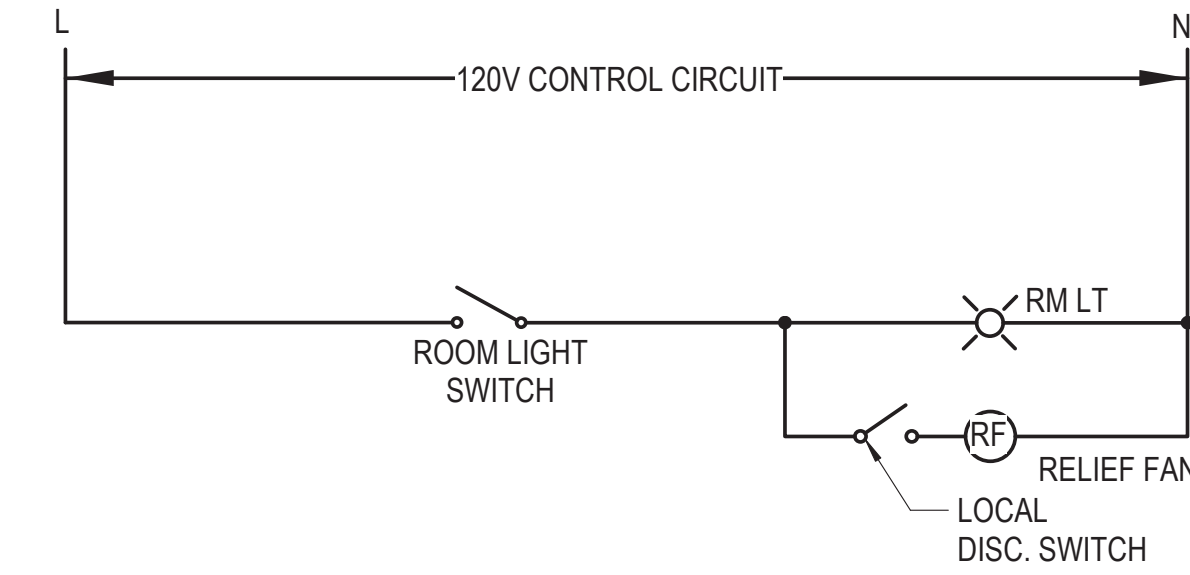
1 TYPICAL EXHAUST FAN CONTROLLED WITH LIGHT SWITCH DIAGRAM

SCALE: N.T.S.



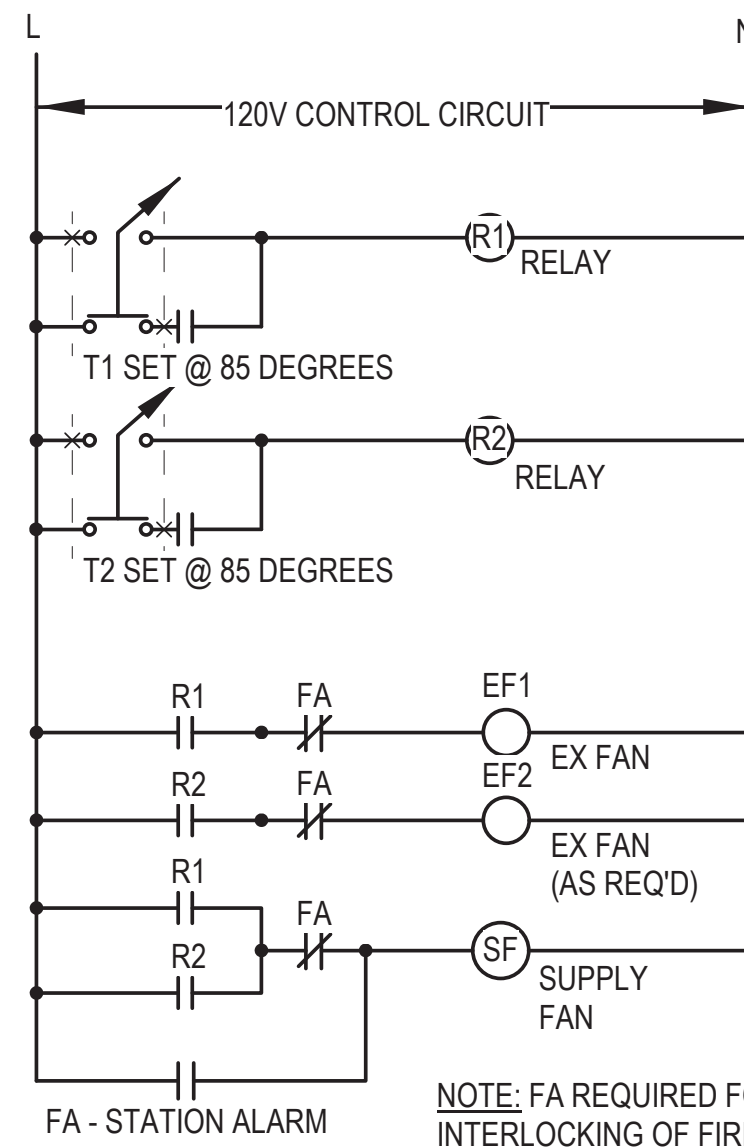
2 TOILET/ JANITOR EXH. FAN CONTROL DIAGRAM

SCALE: N.T.S.



3 KIOSK RELIEF FAN CONTROL DIAGRAM

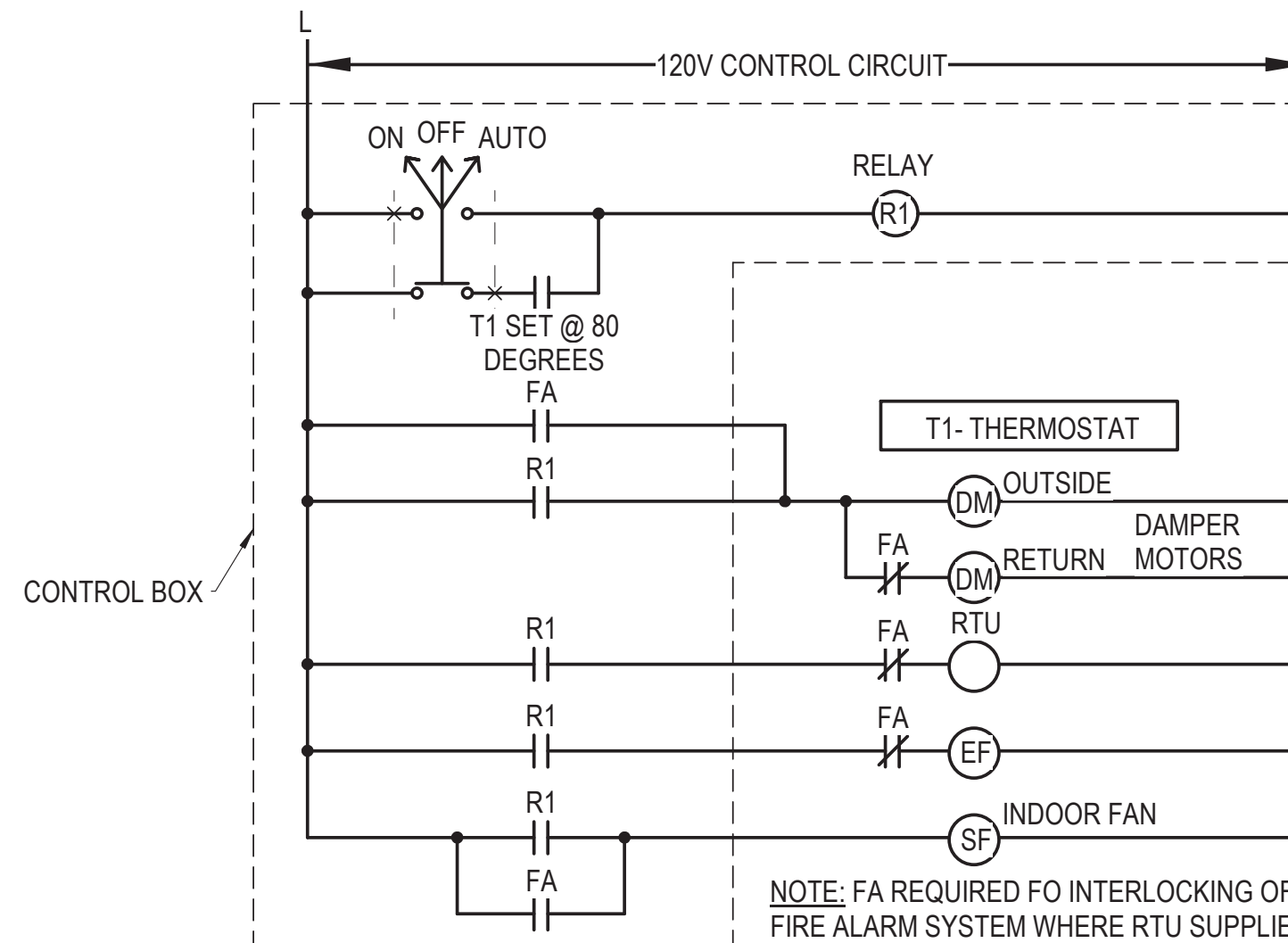
SCALE: N.T.S.



4 EXHAUST FAN CONTROL DIAGRAM

SCALE: N.T.S.

NOTE: FA REQUIRED FOR INTERLOCKING OF FIRE ALARM SYSTEM WHERE RTU SUPPLIES AIR TO STATION.

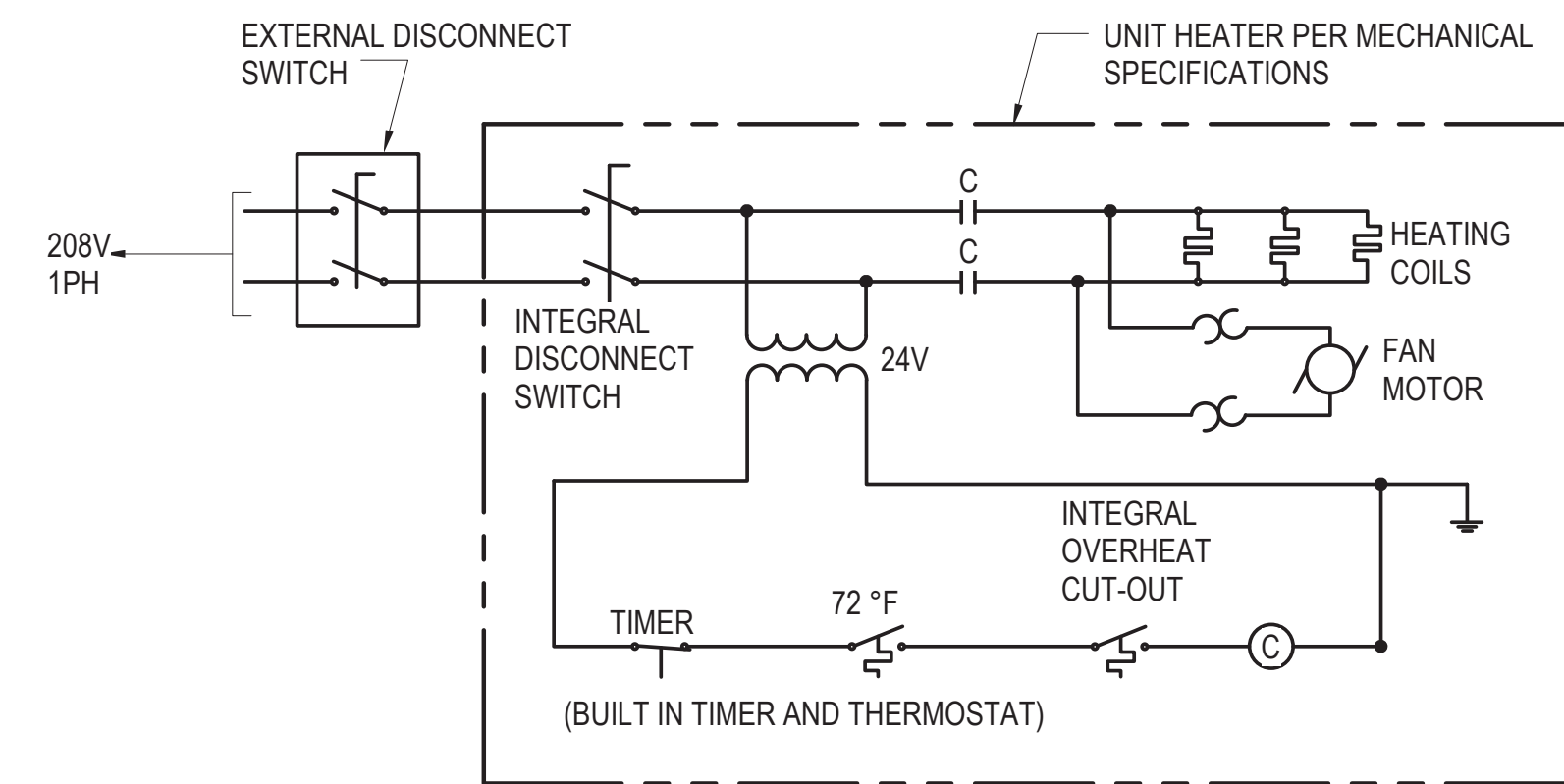


5 TYPICAL RTU CONTROL DIAGRAM

SCALE: N.T.S.

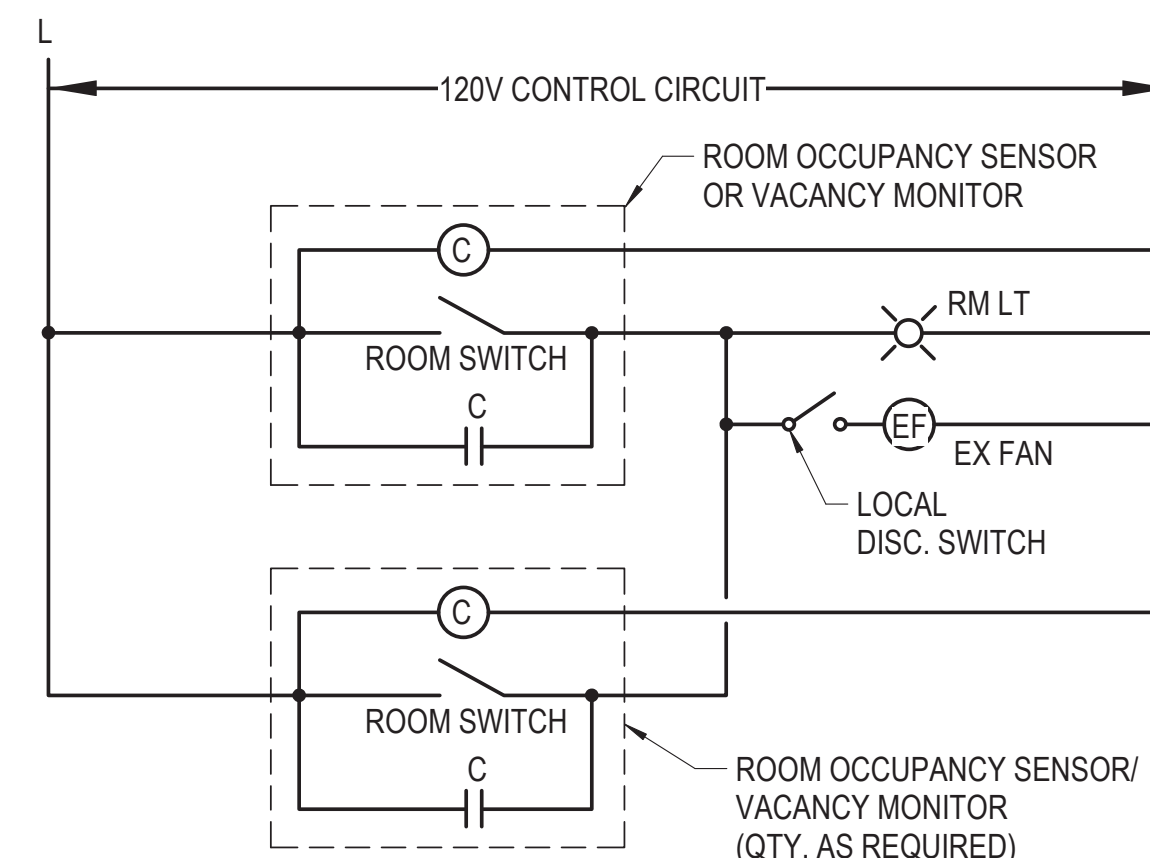
NOTE: INTERLOCKING OF 24V DAMPER MOTOR BY MECHANICAL CONTRACTOR.

NOTE: FA REQUIRED FOR INTERLOCKING OF FIRE ALARM SYSTEM WHERE RTU SUPPLIES AIR TO STATION.



7 TYPICAL UNIT HEATER WIRING DIAGRAM

SCALE: N.T.S.



6 LIGHTING CONTROL DIAGRAM

SCALE: N.T.S.

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154 N DAMEN AVE - DAMEN GREEN LINE STATION

DIAGRAMS - CONTROL DIAGRAMS

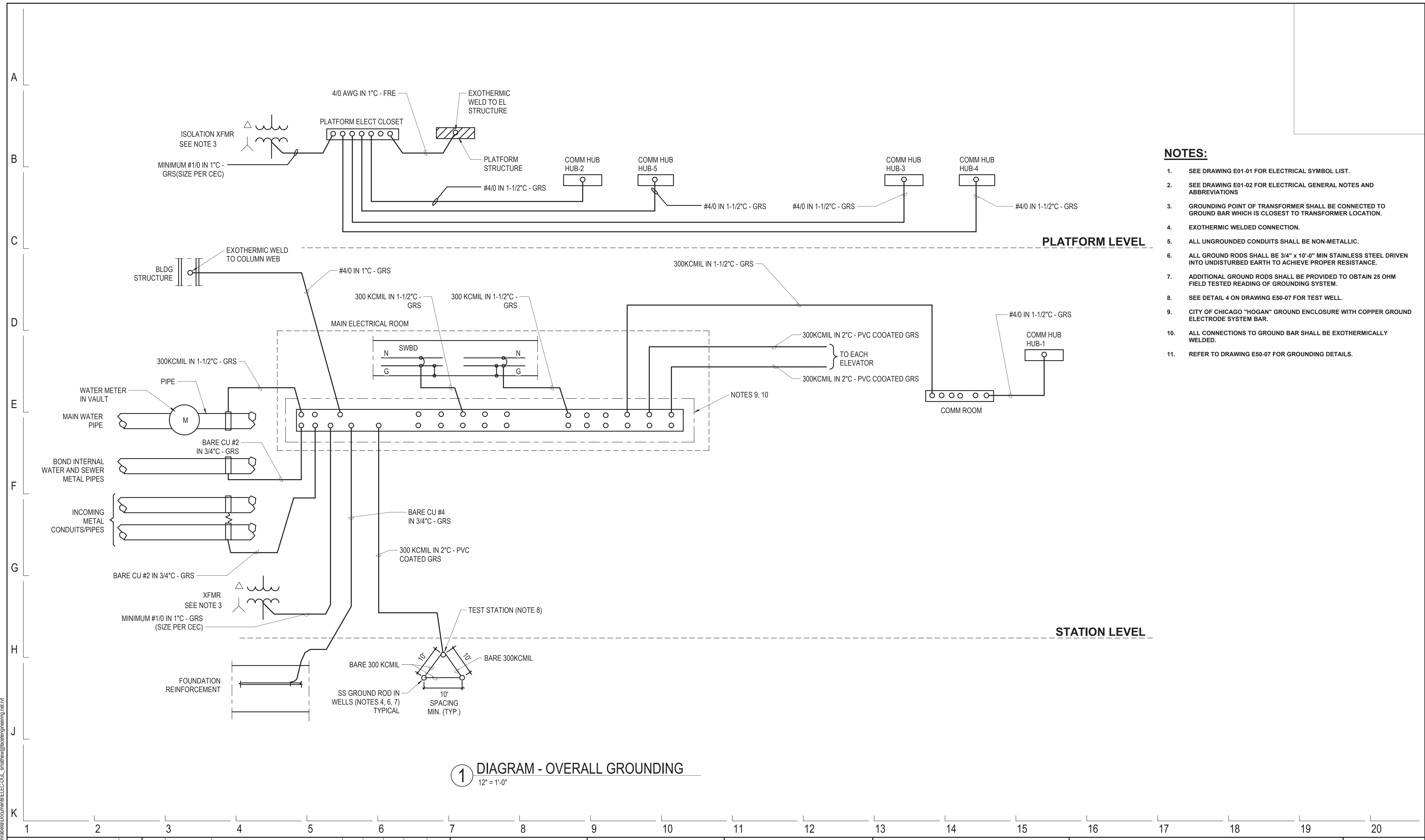
CDOT PROJECT D-7-135

DATE: 11/01/2019

SPEC. NO.

DRAWING NO.
E60-25

REVISION NO.



- NOTES:**
- SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS
 - GROUNDING POINT OF TRANSFORMER SHALL BE CONNECTED TO GROUND BAR WHICH IS CLOSEST TO TRANSFORMER LOCATION.
 - EXOTHERMIC WELDED CONNECTION.
 - ALL UNGROUNDED CONDUITS SHALL BE NON-METALLIC.
 - ALL GROUND RODS SHALL BE 3/4" x 10'-0" MIN STAINLESS STEEL DRIVEN INTO UNDISTURBED EARTH TO ACHIEVE PROPER RESISTANCE.
 - ADDITIONAL GROUND RODS SHALL BE PROVIDED TO OBTAIN 25 OHM FIELD TESTED READING OF GROUNDING SYSTEM.
 - SEE DETAIL 4 ON DRAWING E50-07 FOR TEST WELL.
 - CITY OF CHICAGO "HOGAN" GROUND ENCLOSURE WITH COPPER GROUND ELECTRODE SYSTEM BAR.
 - ALL CONNECTIONS TO GROUND BAR SHALL BE EXOTHERMICALLY WELDED.
 - REFER TO DRAWING E50-07 FOR GROUNDING DETAILS.

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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DIAGRAM - SYSTEM GROUND DIAGRAM		DRAWING NO. E60-26
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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EMERGENCY / EXIT SYMBOL LIST

TYPE	SYMBOL	DESCRIPTION	MANUFACTURER & CATALOG NUMBER	NUMBER OF LAMPS	LAMP TYPE & WATTAGE	VOLTAGE	MOUNTING	MOUNTING HEIGHT	NOTES
#3		EXIT SIGN, ELECTRIC, 120 VOLT, LED LIGHT SOURCE, GLASS PANEL, CHICAGO CODE APPROVED, EMERGENCY BACK-UP POWER	BIG BEAM: ECXLN2RWW-SS-TP-HTR120-XX OR APPROVED EQUAL	LED ARRAY	LED 3.7W	120	VARIES	SEE ARCH. DWGS	4, 6, 7
#6		EXIT SIGN, ELECTRIC, 120 VOLT, LED LIGHT SOURCE, RIGHT ARROW, GLASS PANEL, CHICAGO CODE APPROVED, EMERGENCY BACK-UP POWER	BIG BEAM: ECXLN2RWW-SS-TP-HTR120-XX-AR OR APPROVED EQUAL	LED ARRAY	LED 3.7W	120	VARIES	SEE ARCH. DWGS	4, 6, 7
#9		EXIT SIGN, ELECTRIC, 120 VOLT, LED LIGHT SOURCE, LEFT ARROW, GLASS PANEL, CHICAGO CODE APPROVED, EMERGENCY BACK-UP POWER	BIG BEAM: ECXLN2RWW-SS-TP-HTR120-XX-AL OR APPROVED EQUAL	LED ARRAY	LED 3.7W	120	VARIES	SEE ARCH. DWGS	4, 6, 7
#18		EXIT SIGN, ELECTRIC, 120 VOLT, LED LIGHT SOURCE, DOUBLE FACE ARROW, GLASS PANEL, CHICAGO CODE APPROVED, EMERGENCY BACK-UP POWER	BIG BEAM: ECXLN2RWW-SS-TP-HTR120-XX-ARAL/ARAR OR APPROVED EQUAL	LED ARRAY	LED 3.7W	120	VARIES	SEE ARCH. DWGS	4, 6, 7
#2A		STAIR EXIT SIGN, ELECTRIC, 120 VOLT, LED LIGHT SOURCE, GLASS PANEL, CHICAGO CODE APPROVED, EMERGENCY BACK-UP POWER	BIG BEAM: ECXLN2RWW-SS-TP-HTR120-XX OR APPROVED EQUAL	LED ARRAY	LED 3.7W	120	VARIES	SEE ARCH. DWGS	4, 6, 7
#20		STAIRWAY SIGN, ELECTRIC, 120 VOLT, LED LIGHT SOURCE, DOUBLE FACE ARROW, GLASS PANEL, CHICAGO CODE APPROVED, EMERGENCY BACK-UP POWER	BIG BEAM: ECXLN2RWW-SS-TP-HTR120-XX-ARAL/ARAR OR APPROVED EQUAL	LED ARRAY	LED 3.7W	120	VARIES	SEE ARCH. DWGS	4, 6, 7



CITY OF CHICAGO EXIT SIGN CODES

	SINGLE FACE EXIT	DOUBLE FACE EXIT	SINGLE FACE STAIRWAY	DOUBLE FACE STAIRWAY	SINGLE FACE STAIR	DOUBLE FACE STAIR
NO ARROWS	3	18	2	17	2A	17A
ARROW RIGHT	6	21	5	20	5A	20A
ARROW LEFT	9	21	8	20	8A	20A
DOUBLE ARROW	12	24	11	23	11A	23A

EMERGENCY CABLE AND CONDUIT SCHEDULE

TAG NUMBER	SETS	CABLE DESCRIPTION	CONDUIT (QTY) SIZE (IN.)	NOTES
E101	1	2 #10 AWG + 1 #10 AWG (G)	3/4	
E102	1	3 #10 AWG + 1 #10 AWG (G)	3/4	
E103	1	4 #10 AWG + 1 #10 AWG (G)	3/4	
E111	1	2 #12 AWG + 1 #12 AWG (G)	3/4	
E112	1	3 #12 AWG + 1 #12 AWG (G)	3/4	
E121	1	4 #12 AWG + 1 #12 AWG (G)	3/4	
E201	1	2 #10 AWG + 1 #10 AWG (G)	WIREWAY	
E204	1	4 #10 AWG + 1 #10 AWG (G)	WIREWAY	
E205	1	5 #10 AWG + 1 #10 AWG (G)	WIREWAY	
E206	1	6 #10 AWG + 1 #10 AWG (G)	WIREWAY	
E216	1	6 #10 AWG + 1 #10 AWG (G)	1	

Chicago Approved LED Exits

Series Features

- 120VAC Operation Standard
- Maximum Input Rating: 120VAC 15 Watts / 277VAC 15 Watts / AC ONLY 5 Watts
- White LED 3.7 Watts
- 25 Year Life
- Open-Face Glass Panel
- Silk Screen Letters
- Ceiling, End, or Back Mount (LSZ Combo can not end mount)
- Canopy
- 20-Gauge Steel Housing
- White Powder-Coat Finish
- UL Listed
- Chicago Code Approved / Wet Location

Additional Emergency Unit Features

- Integrated Solid State System
- Multi-Rate, Controlled, Automatic Charger
- Lock Out (Automatic Battery Connect)
- Low-Voltage Battery Cutoff
- Brownout Sensitivity
- Dual-Voltage Transformer for 120/277VAC Operation
- White LED 3.7 Watts
- 25 Year Life Expectancy
- Ni-Cad Battery
- 6-Volt Operation
- Maintenance-Free
- Test Switch
- Red (Power On) LED Indicator
- UL Listed

Options

Add Suffix to Catalog Number

- STP** Tamper-Proof Screens
- SS** Stainless Steel
- HTR120** 120VAC Heater
- HTR277** 277VAC Heater
- B4** Brushed
- U** Universal Face (Additional Backplate, Double-Face Signs Only)
- STAIR** Legend in Lieu of "EXIT"
- STAIRS** Legend in Lieu of "EXIT"

Dimensions

CXLN	Height: 10.75"
	Width: 16.95"
	Depth: 2.75"

ECXLN	Height: 10.75"
	Width: 21.25"
	Depth: 2.75"

Specify Arrow Configuration on all Open-Face Signs

Blank = No Arrow	DA = Dual Arrow
AR = Arrow Right	ARAL = Arrow Right/Arrow Left
AL = Arrow Left	(Double-Face Only - 1 Arrow per Face)

Ordering Information

Series	# Faces	Letter Color	Panel Color	Housing/Trim Color	Options
ECXLN	2	R	W	W	-UA
CXLN-AC Only	2	R	W	W	Factory Options
LSZECXLN	2	R	W	W	Black PM Painted Matte Chrome

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NOTES:

- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
- REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
- REFER TO LIGHTING PLAN DRAWINGS FOR ADDITIONAL WORK.
- REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE -20 DEG F DRIVER FOR EACH LUMINAIRE.
- EXIT SIGN TYPE TO BE PROVIDED SHALL MEET THE CITY OF CHICAGO REQUIREMENTS. SEE PLAN DRAWINGS FOR SPECIFIC TYPE LETTER CODE.
- PROVIDE STAINLESS STEEL HOUSING FOR EACH EXIT SIGN.
- CABLE ROUTED IN SS SURFACE MOUNTED RACEWAY. REFER TO PLAN DRAWINGS FOR INSTALLATION DETAILS.

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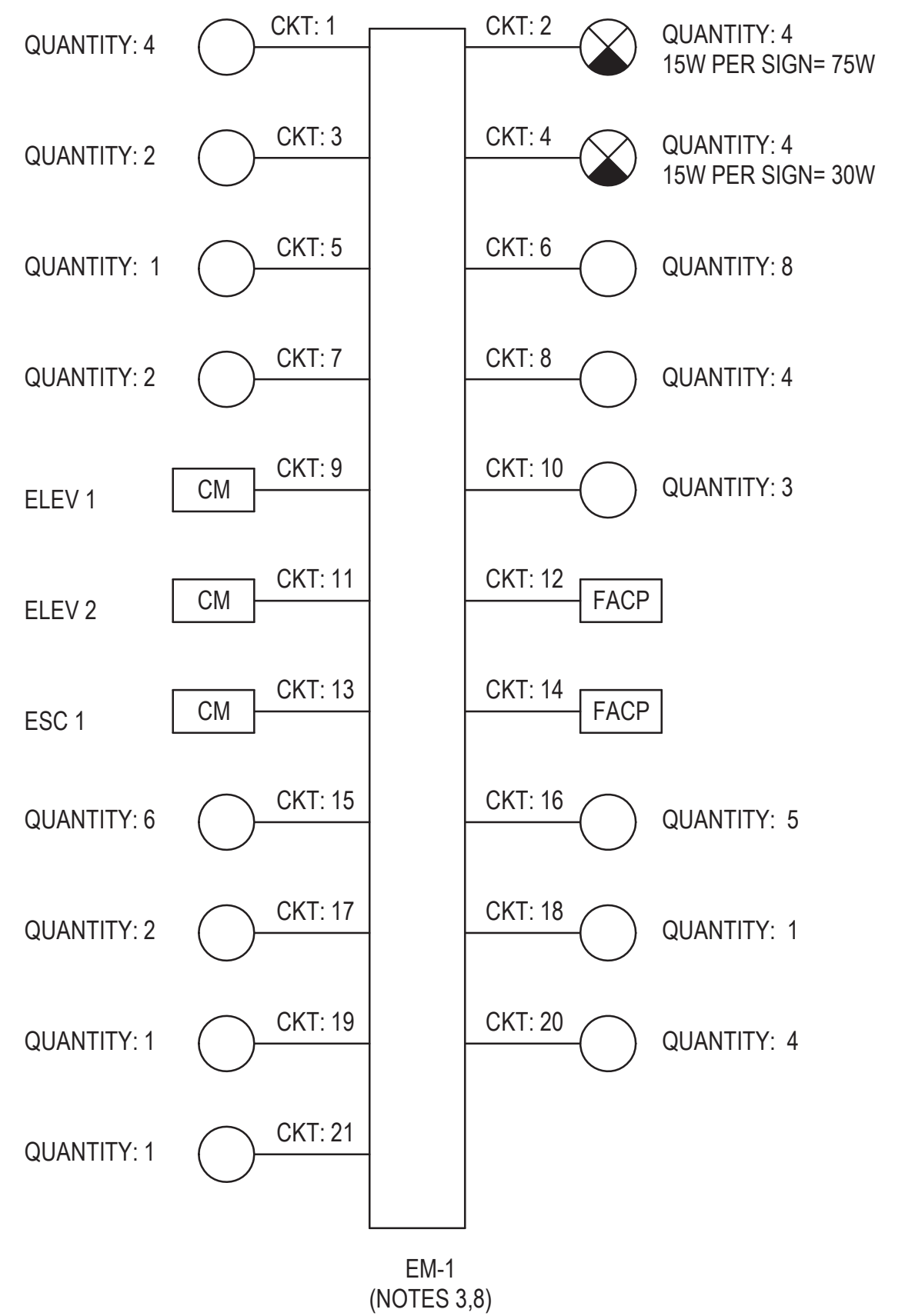
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
EMERGENCY/EXIT LIGHTING FIXTURE SCHEDULE AND SYMBOL LIST		DRAWING NO. E90-00
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

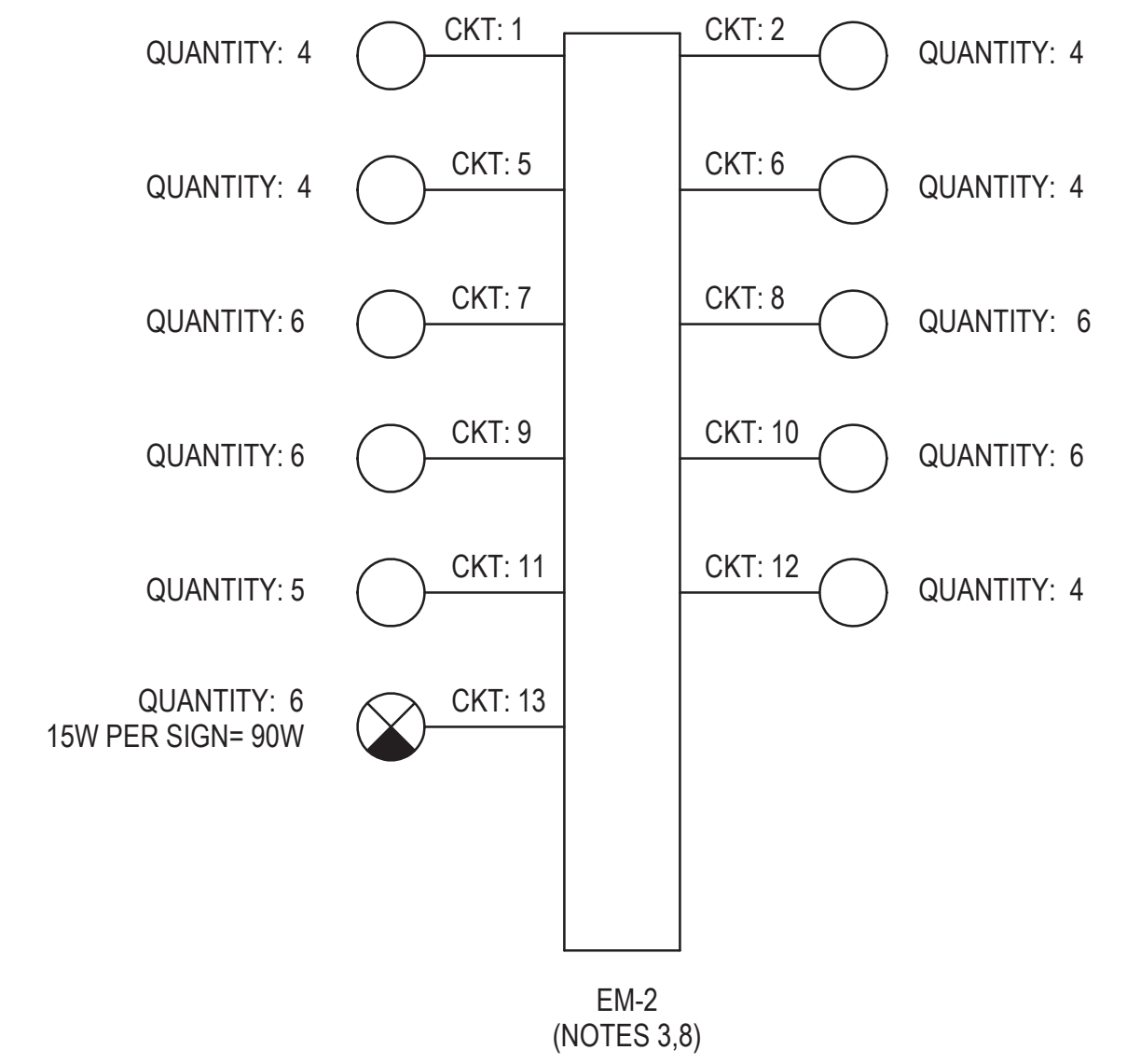
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A
B
C
D
E
F
G
H
J
K



- EXIT SIGN (SEE PLAN FOR EXIT SIGN TYPES) (NOTES 4,6)
- LIGHTS (SEE PLAN FOR LIGHTING FIXTURE TYPES) (NOTE 5)
- FIRE ALARM CONTROL PANEL
- CONTROL MODULE

1 **EM-1 SINGLE LINE DIAGRAM**
1/8" = 1'-0"



- EXIT SIGN (SEE PLAN FOR EXIT SIGN TYPES) (NOTES 4,6)
- LIGHTS (SEE PLAN FOR LIGHTING FIXTURE TYPES) (NOTE 5)

2 **EM-2 SINGLE LINE DIAGRAM**
1/8" = 1'-0"

NOTES:

1. SEE DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
2. SEE DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
3. ABOVE CIRCUITS ARE FED FROM LOCKABLE CIRCUIT BREAKERS.
4. EXIT SIGNS ARE FED USING 2#12 AWG, 1#12(G), 3/4" RGS C THHN/THWN COPPER CABLE.
5. ONLY WIRE SERVING EMERGENCY LIGHTING TO BE INSTALLED IN CONDUIT AND JUNCTION BOXES SERVING THESE UNITS
6. WIRE SERVING EXIT SIGNS ARE NOT TO BE IN CONDUIT WITH NORMAL AND RELIABLE POWER OR NORMAL AND RELIABLE LIGHTING.
7. CONTRACTOR TO INSTALL A 4-HOUR BATTERY BACK UP LIGHT FOR EACH ELEVATOR. REFER TO ELEVATOR SPECIFICATIONS.
8. REFER TO PANEL SCHEDULES FOR PANEL EM-1 ON DRAWING E60-11 AND PANEL EM-2 ON DRAWING E60-13.
9. SOLID STATE GROUND CURRENT SENSING RELAY WITH ADJUSTABLE TRIP RANGE 2-24AMPS WITH AN ADJUSTABLE TIME DELAY, INCLUDE BUILT-IN TEST BUTTON INDEPENDENT POSITIVE TARGET INDICATOR AND TARGET RESET.

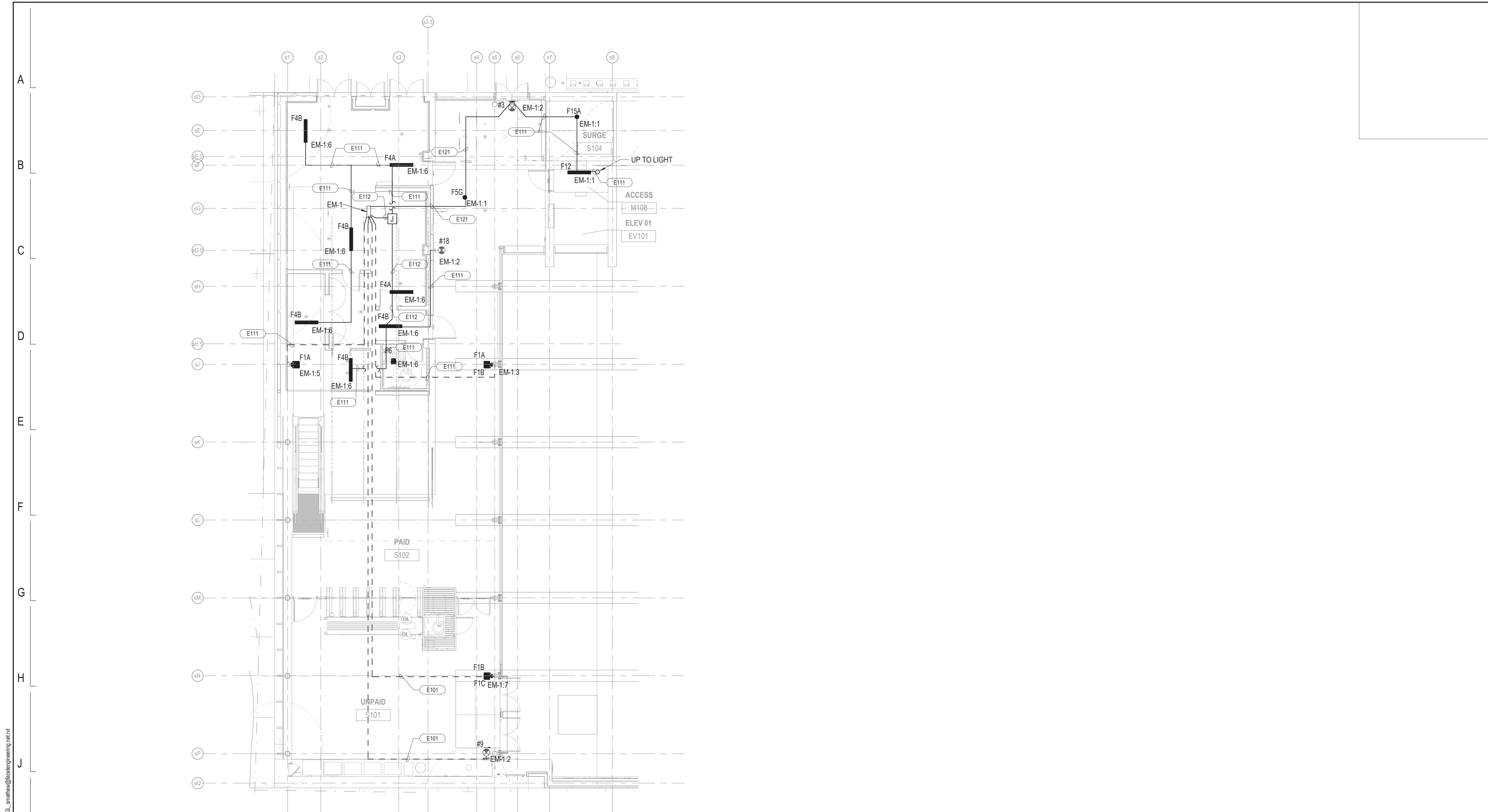
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
EM-1 AND EM-2 SINGLE LINE DIAGRAMS		DRAWING NO. E90-01
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.



1 STATION HOUSE EMERGENCY LIGHTING PLAN
 1/8" = 1'-0"

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154 N DAMEN AVE - DAMEN GREEN LINE STATION

STATION HOUSE EMERGENCY LIGHTING PLAN

CDOT PROJECT D-7-135

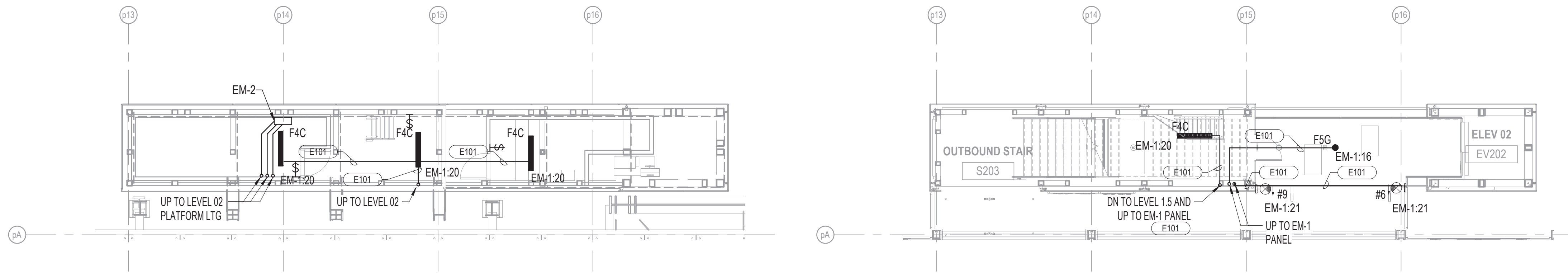
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SPEC. NO.

DRAWING NO.
E90-11

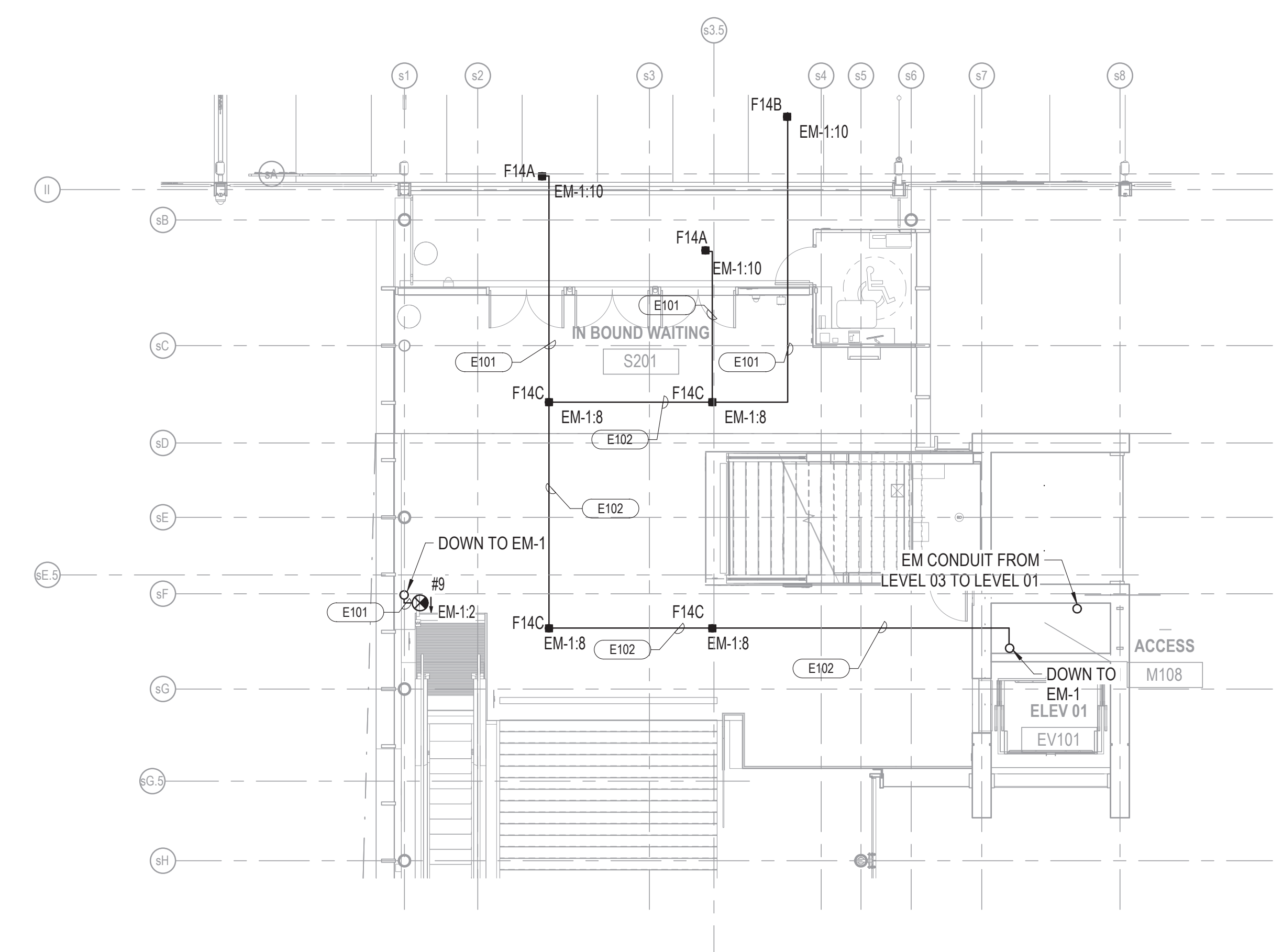
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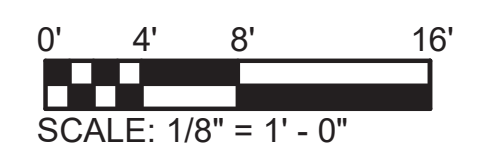


② LEVEL 1.5 EMERGENCY LIGHTING PLAN NORTH
1/8" = 1'-0"

③ LEVEL 02 EMERGENCY LIGHTING PLAN NORTH
1/8" = 1'-0"



① LEVEL 02 EMERGENCY LIGHTING PLAN
1/8" = 1'-0"



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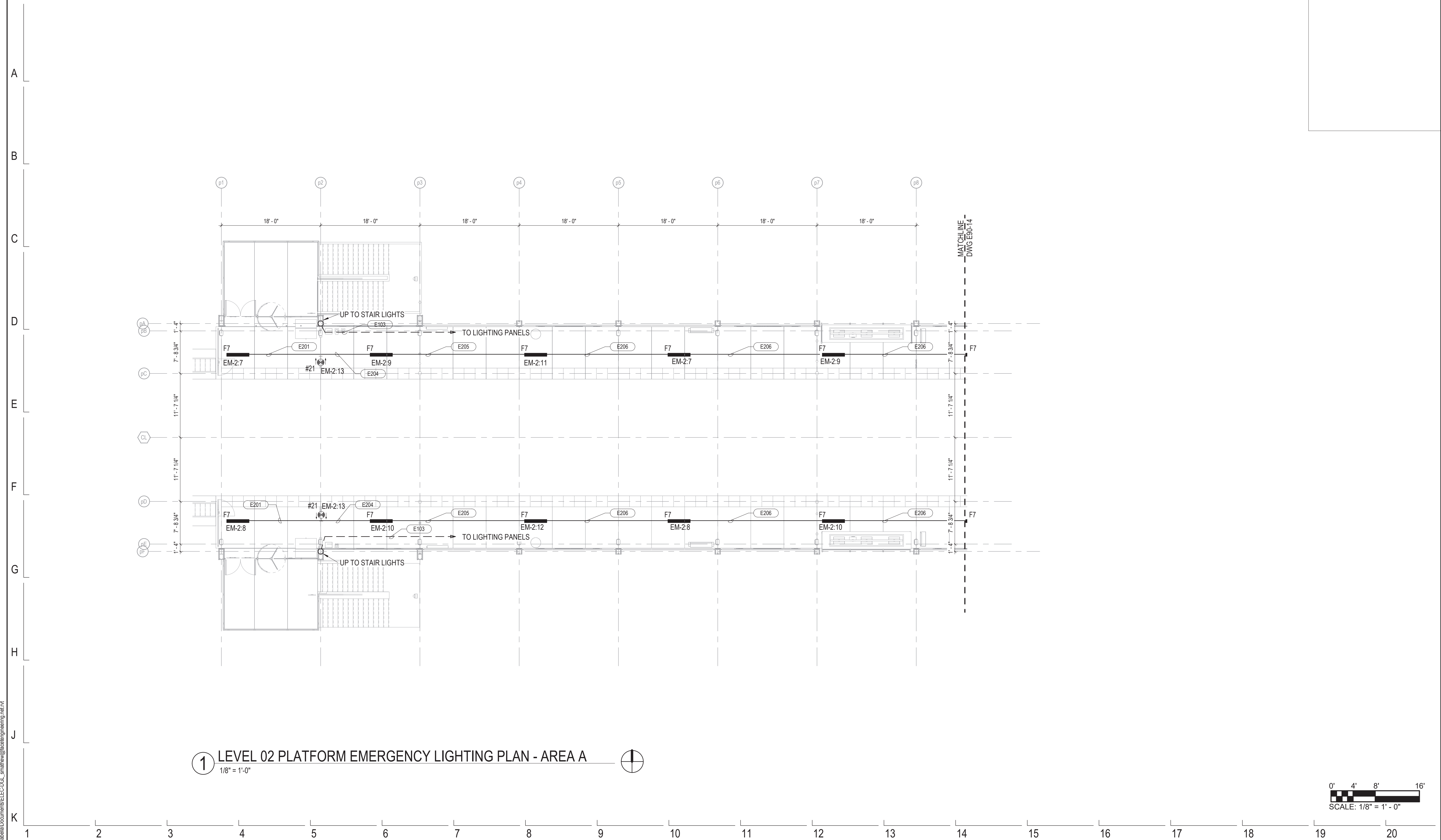
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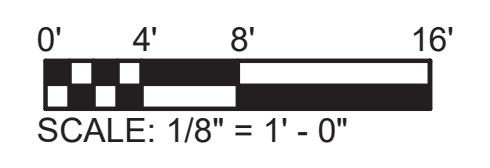
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 02 EMERGENCY LIGHTING PLANS		DRAWING NO. E90-12
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.



1 LEVEL 02 PLATFORM EMERGENCY LIGHTING PLAN - AREA A
1/8" = 1'-0"



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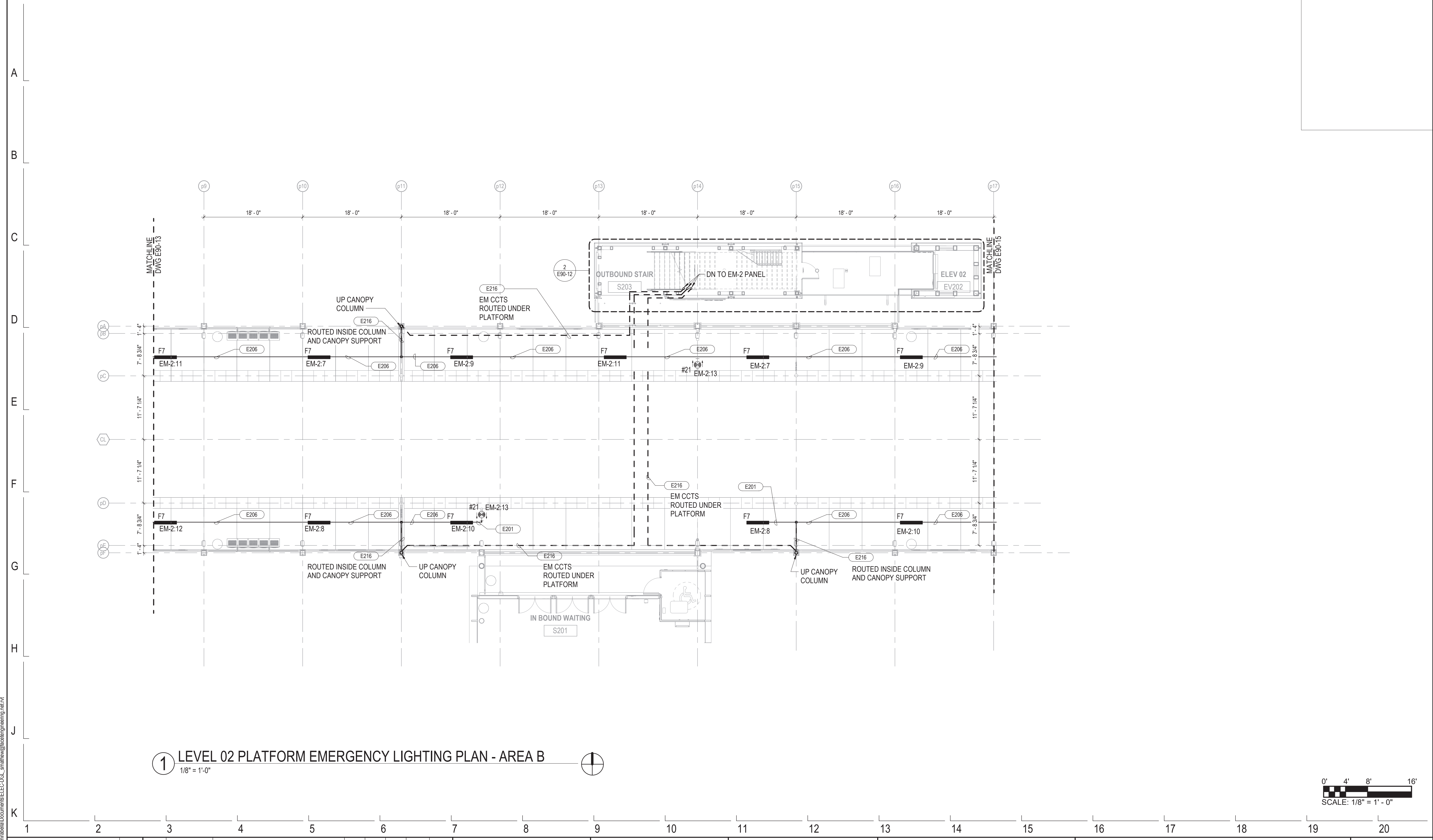


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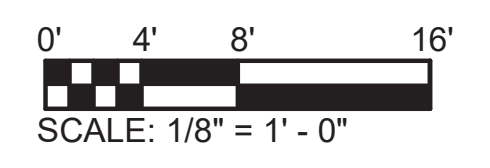


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 02 PLATFORM EMERGENCY LIGHTING PLAN - AREA A		DRAWING NO. E90-13
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1 LEVEL 02 PLATFORM EMERGENCY LIGHTING PLAN - AREA B
1/8" = 1'-0"



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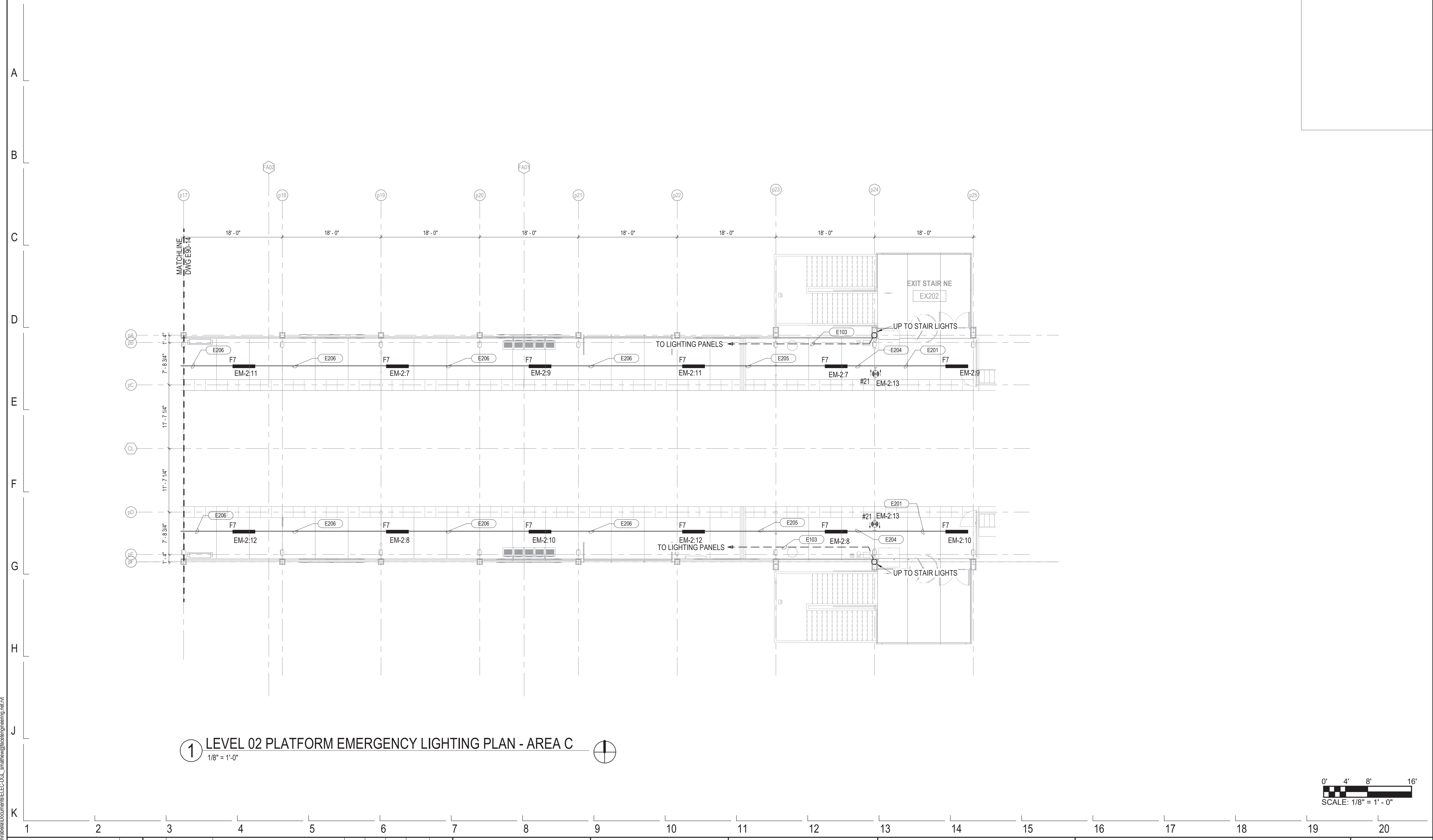


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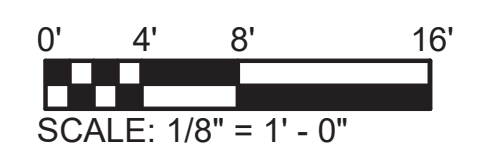


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 02 PLATFORM EMERGENCY LIGHTING PLAN - AREA B		DRAWING NO. E90-14
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1 LEVEL 02 PLATFORM EMERGENCY LIGHTING PLAN - AREA C
 1/8" = 1'-0"



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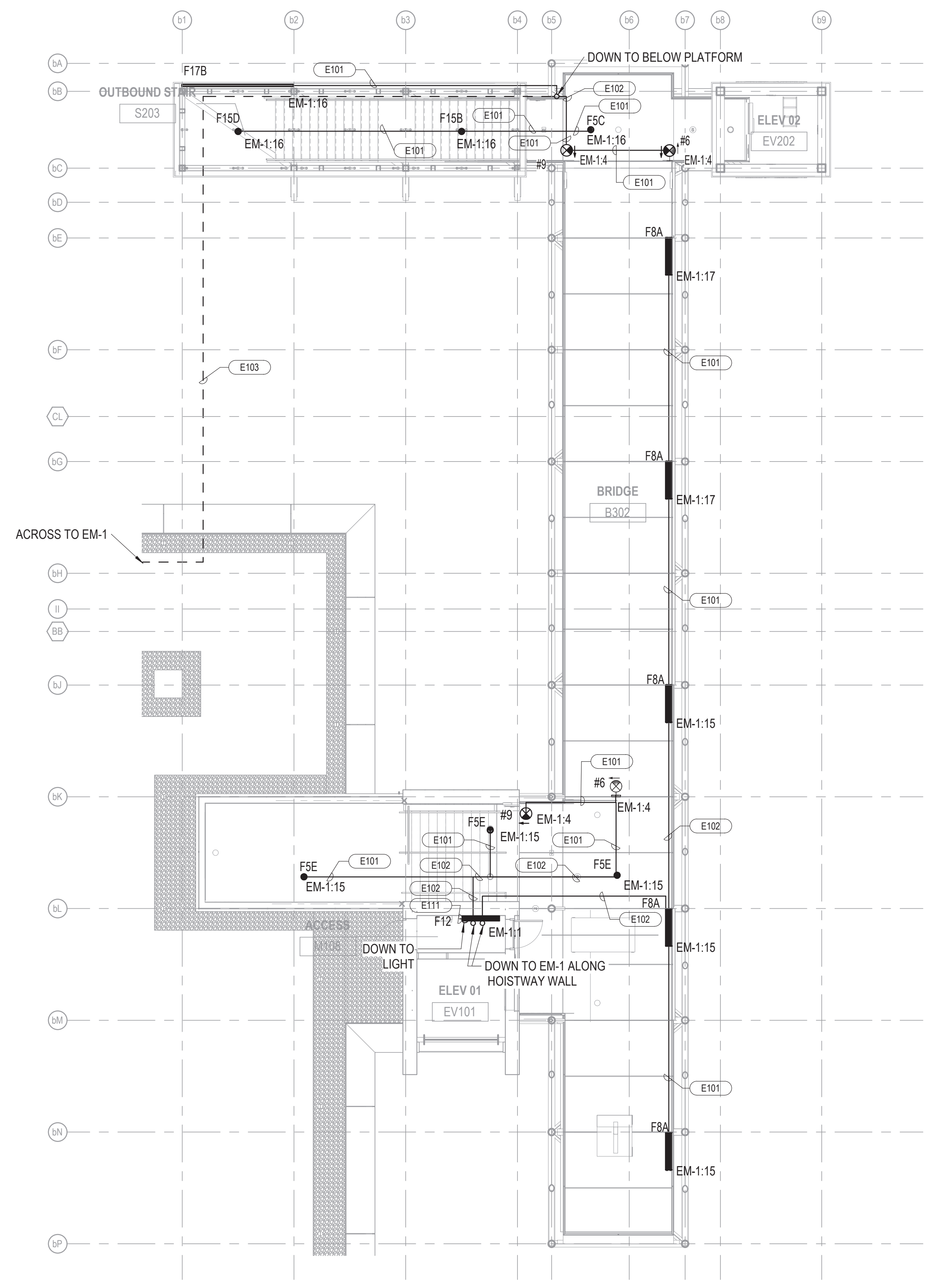


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
LEVEL 02 PLATFORM EMERGENCY LIGHTING PLAN - AREA C		DRAWING NO. E90-15
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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1 LEVEL 03 BRIDGE EMERGENCY LIGHTING PLAN
1/8" = 1'-0"

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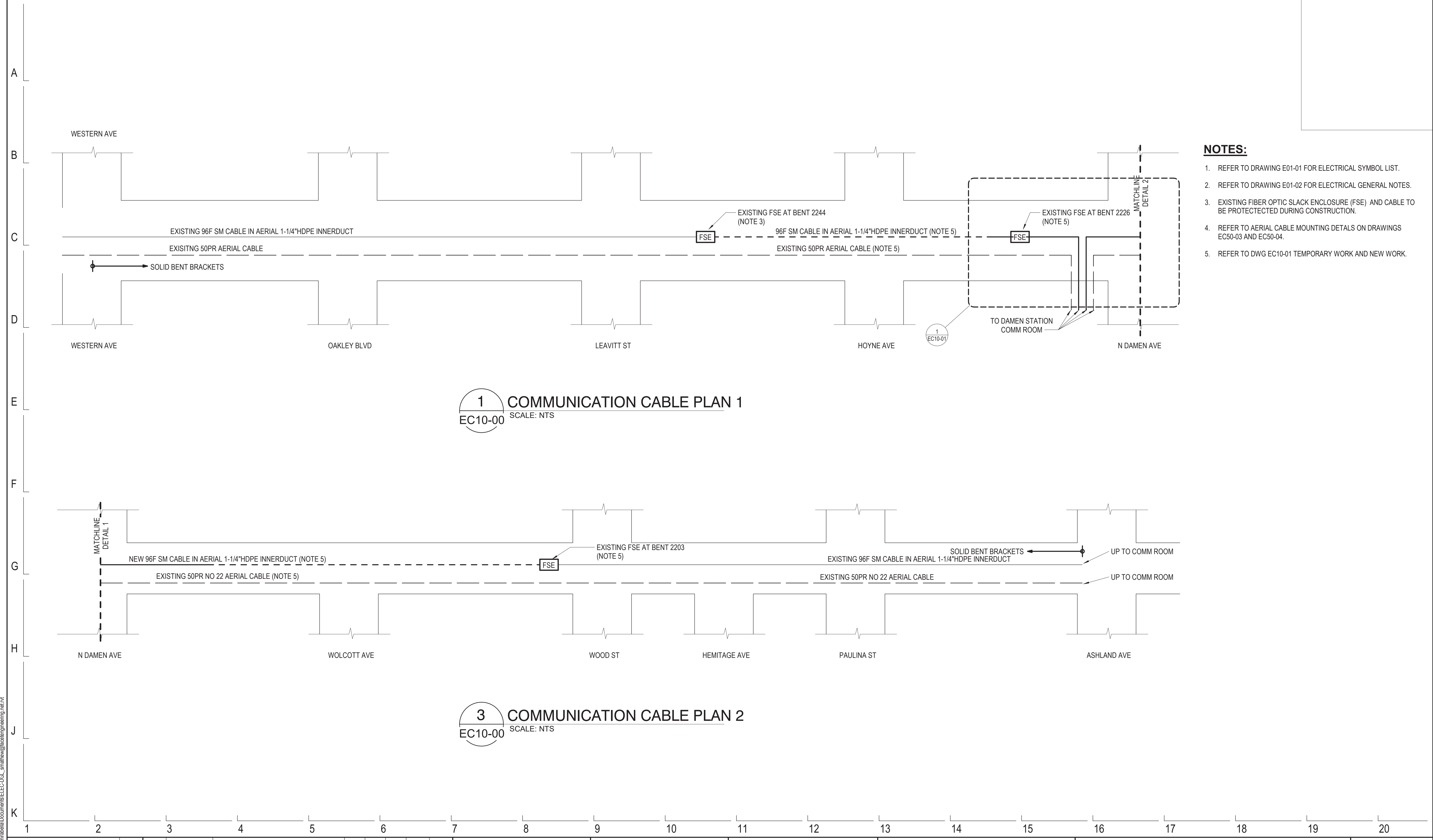
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154 N DAMEN AVE - DAMEN GREEN LINE STATION
LEVEL 03 BRIDGE EMERGENCY LIGHTING PLAN
CDOT PROJECT D-7-135

SPEC. NO.
DRAWING NO. **E90-16**
REVISION NO.
DATE: 11/01/2019

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- NOTES:**
1. REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 2. REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 3. EXISTING FIBER OPTIC SLACK ENCLOSURE (FSE) AND CABLE TO BE PROTECTECTED DURING CONSTRUCTION.
 4. REFER TO AERIAL CABLE MOUNTING DETAILS ON DRAWINGS EC50-03 AND EC50-04.
 5. REFER TO DWG EC10-01 TEMPORARY WORK AND NEW WORK.

1 COMMUNICATION CABLE PLAN 1
 EC10-00 SCALE: NTS

3 COMMUNICATION CABLE PLAN 2
 EC10-00 SCALE: NTS

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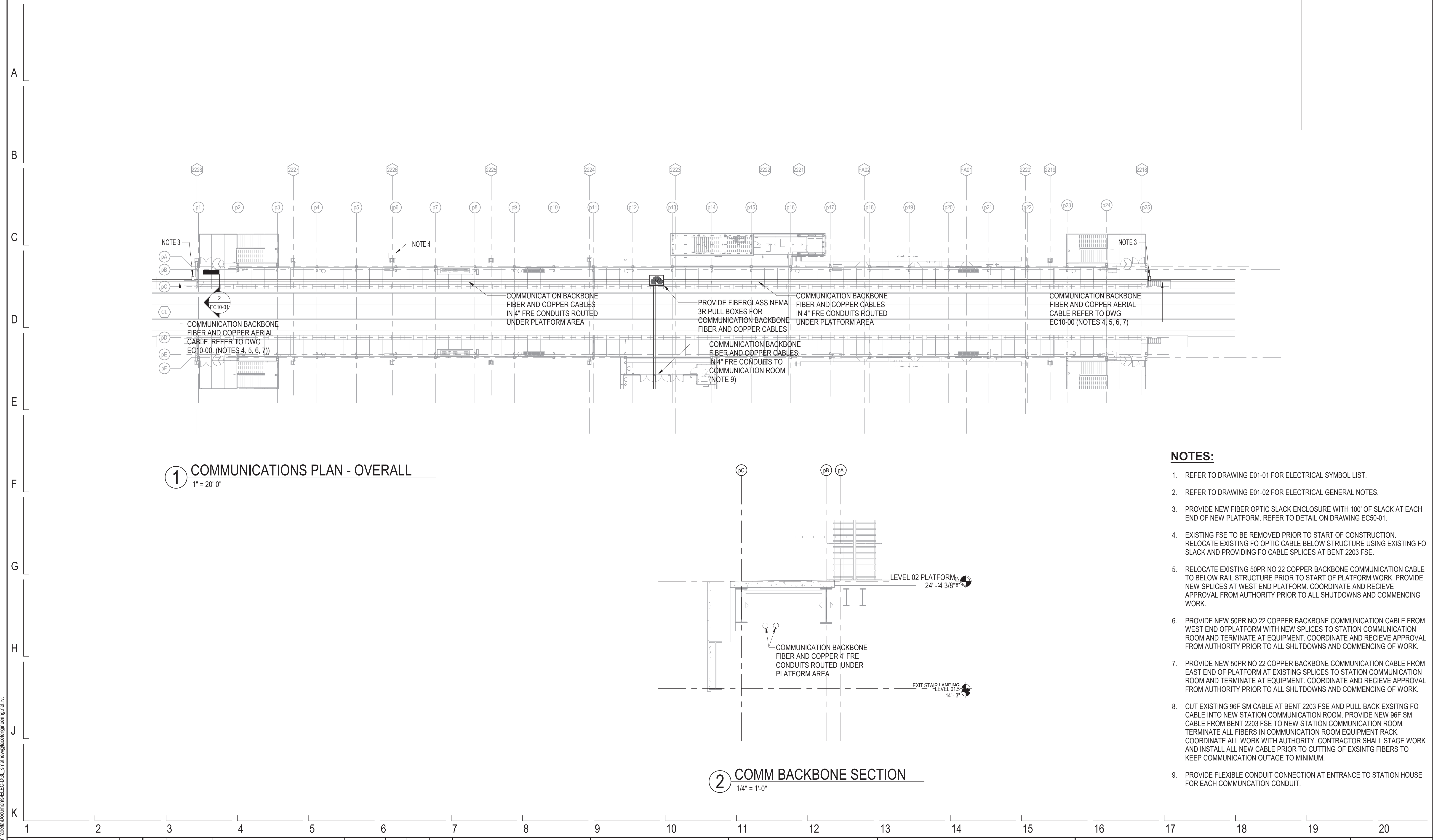


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
OVERALL COMMUNICATION CABLE PLAN		DRAWING NO. EC10-00
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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1 COMMUNICATIONS PLAN - OVERALL
1" = 20'-0"

2 COMM BACKBONE SECTION
1/4" = 1'-0"

- NOTES:**
- REFER TO DRAWING E01-01 FOR ELECTRICAL SYMBOL LIST.
 - REFER TO DRAWING E01-02 FOR ELECTRICAL GENERAL NOTES.
 - PROVIDE NEW FIBER OPTIC SLACK ENCLOSURE WITH 100' OF SLACK AT EACH END OF NEW PLATFORM. REFER TO DETAIL ON DRAWING EC50-01.
 - EXISTING FSE TO BE REMOVED PRIOR TO START OF CONSTRUCTION. RELOCATE EXISTING FO OPTIC CABLE BELOW STRUCTURE USING EXISTING FO SLACK AND PROVIDING FO CABLE SPLICES AT BENT 2203 FSE.
 - RELOCATE EXISTING 50PR NO 22 COPPER BACKBONE COMMUNICATION CABLE TO BELOW RAIL STRUCTURE PRIOR TO START OF PLATFORM WORK. PROVIDE NEW SPLICES AT WEST END PLATFORM. COORDINATE AND RECEIVE APPROVAL FROM AUTHORITY PRIOR TO ALL SHUTDOWNS AND COMMENCING WORK.
 - PROVIDE NEW 50PR NO 22 COPPER BACKBONE COMMUNICATION CABLE FROM WEST END OF PLATFORM WITH NEW SPLICES TO STATION COMMUNICATION ROOM AND TERMINATE AT EQUIPMENT. COORDINATE AND RECEIVE APPROVAL FROM AUTHORITY PRIOR TO ALL SHUTDOWNS AND COMMENCING OF WORK.
 - PROVIDE NEW 50PR NO 22 COPPER BACKBONE COMMUNICATION CABLE FROM EAST END OF PLATFORM AT EXISTING SPLICES TO STATION COMMUNICATION ROOM AND TERMINATE AT EQUIPMENT. COORDINATE AND RECEIVE APPROVAL FROM AUTHORITY PRIOR TO ALL SHUTDOWNS AND COMMENCING OF WORK.
 - CUT EXISTING 96F SM CABLE AT BENT 2203 FSE AND PULL BACK EXISTING FO CABLE INTO NEW STATION COMMUNICATION ROOM. PROVIDE NEW 96F SM CABLE FROM BENT 2203 FSE TO NEW STATION COMMUNICATION ROOM. TERMINATE ALL FIBERS IN COMMUNICATION ROOM EQUIPMENT RACK. COORDINATE ALL WORK WITH AUTHORITY. CONTRACTOR SHALL STAGE WORK AND INSTALL ALL NEW CABLE PRIOR TO CUTTING OF EXISTING FIBERS TO KEEP COMMUNICATION OUTAGE TO MINIMUM.
 - PROVIDE FLEXIBLE CONDUIT CONNECTION AT ENTRANCE TO STATION HOUSE FOR EACH COMMUNICATION CONDUIT.

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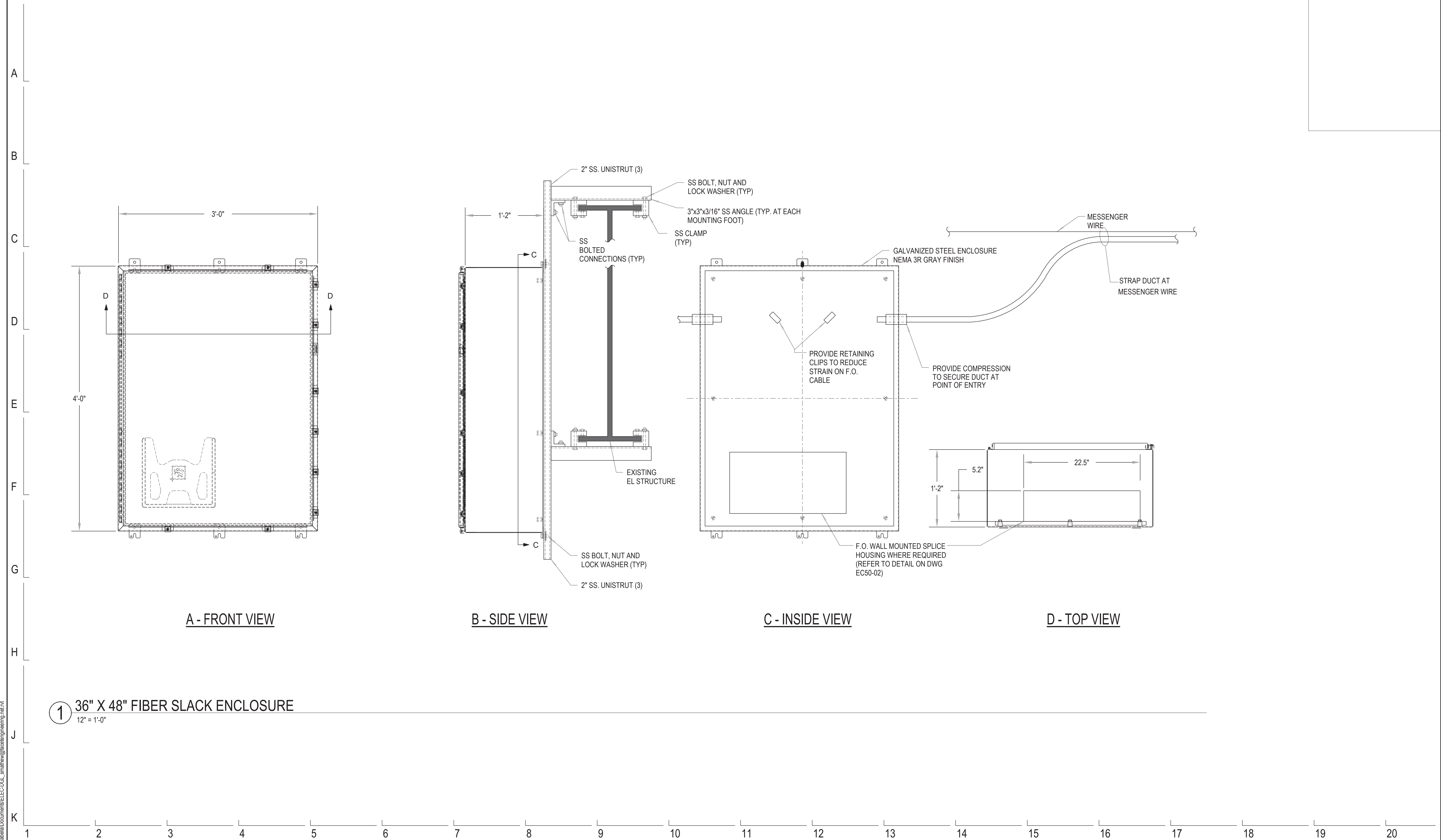


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
PLATFORM LEVEL BACKBONE COMMUNICATION PLAN		DRAWING NO. EC10-01
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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1 36" X 48" FIBER SLACK ENCLOSURE
 12" = 1'-0"

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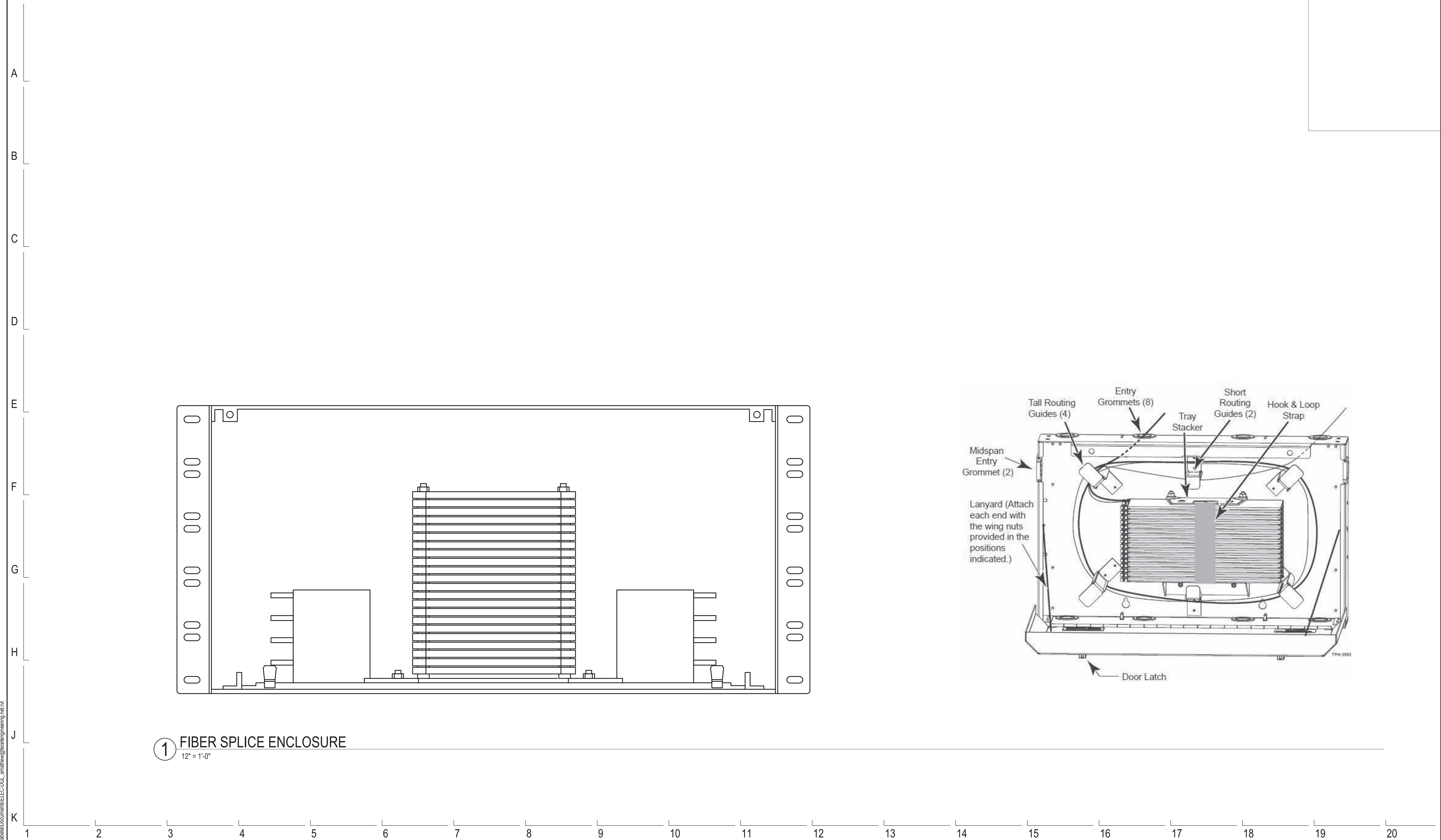


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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DETAILS - COMMUNICATION		DRAWING NO. EC50-01
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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1 FIBER SPLICE ENCLOSURE
12" = 1'-0"

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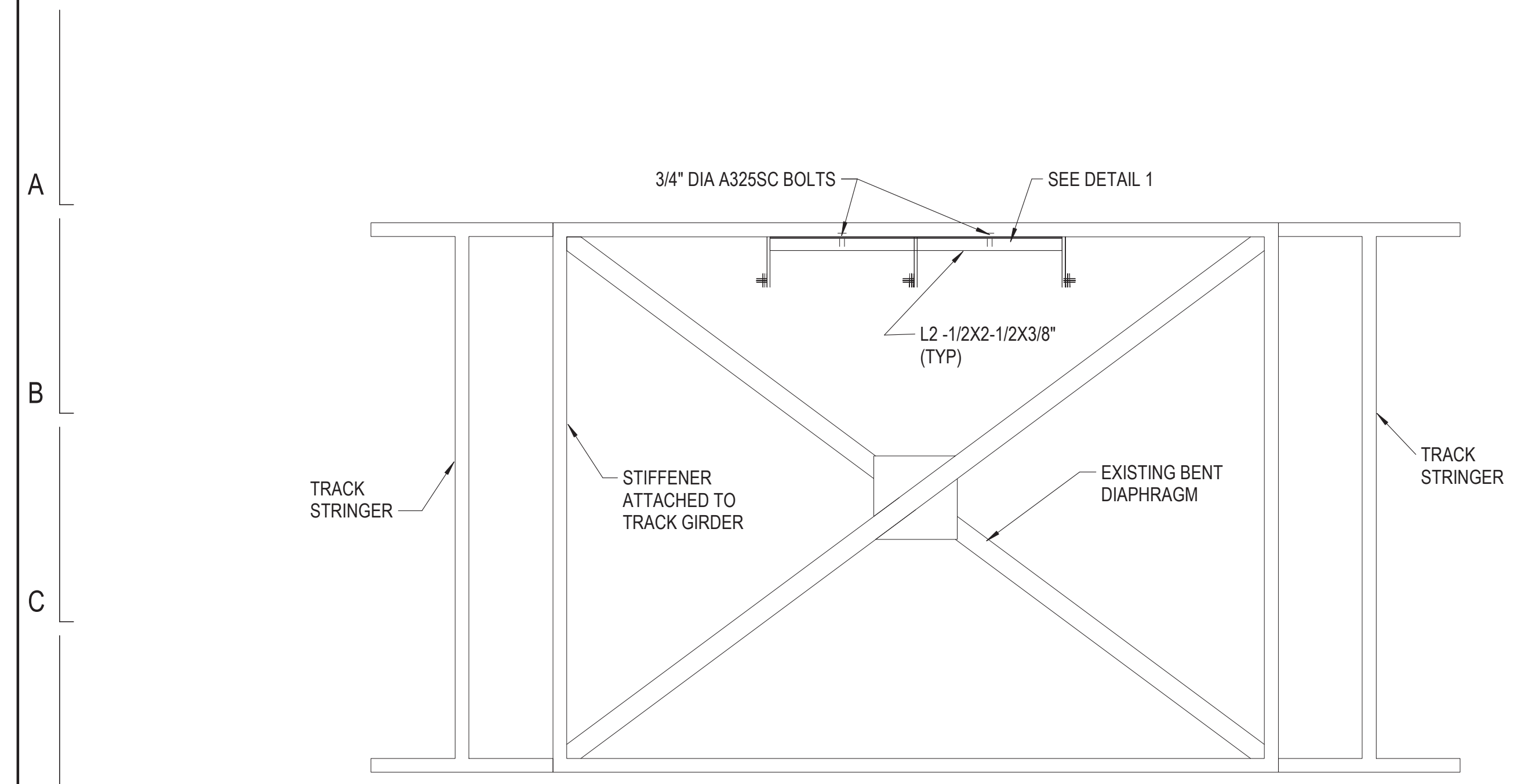


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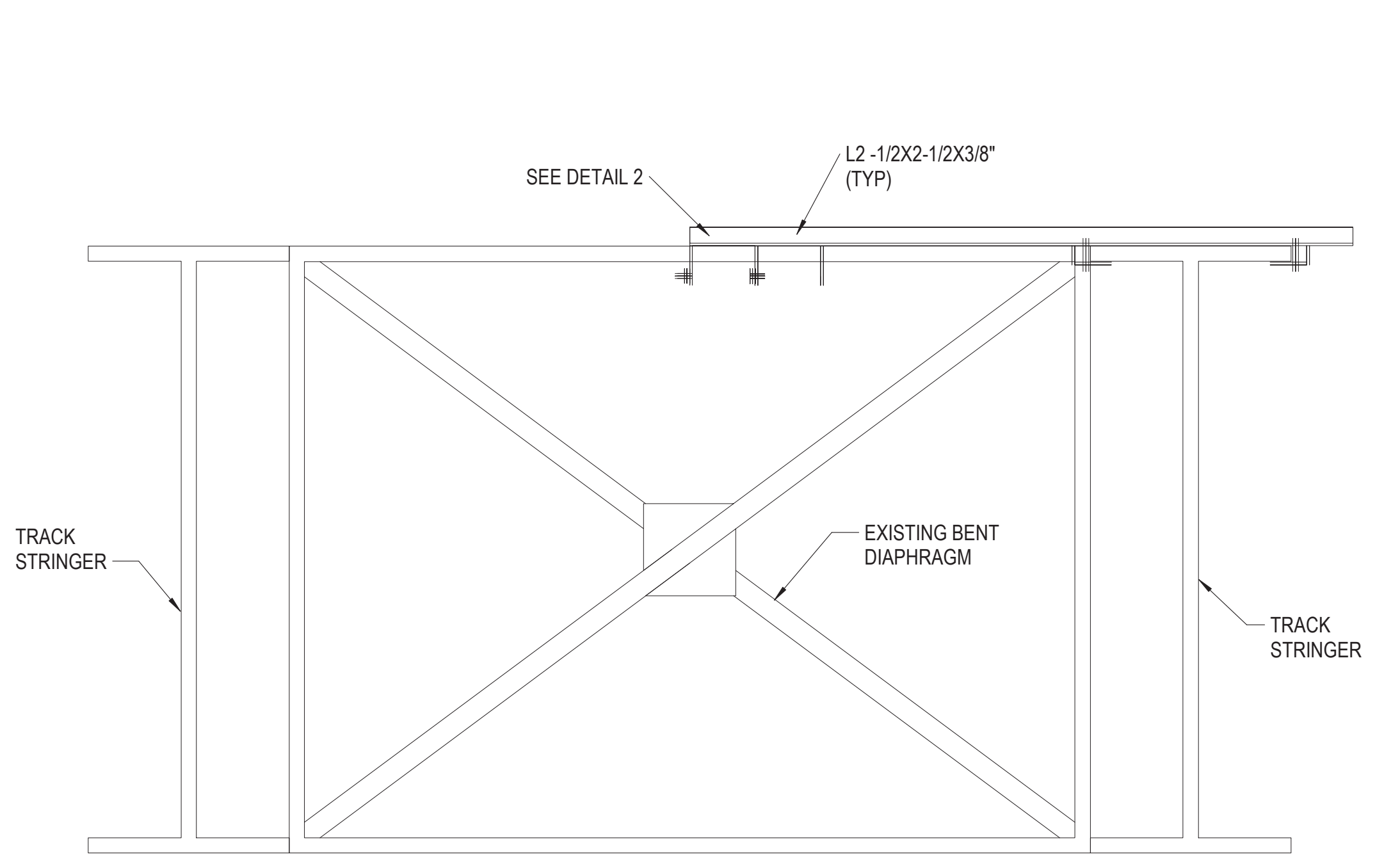


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DETAILS - COMMUNICATION		DRAWING NO. EC50-02
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

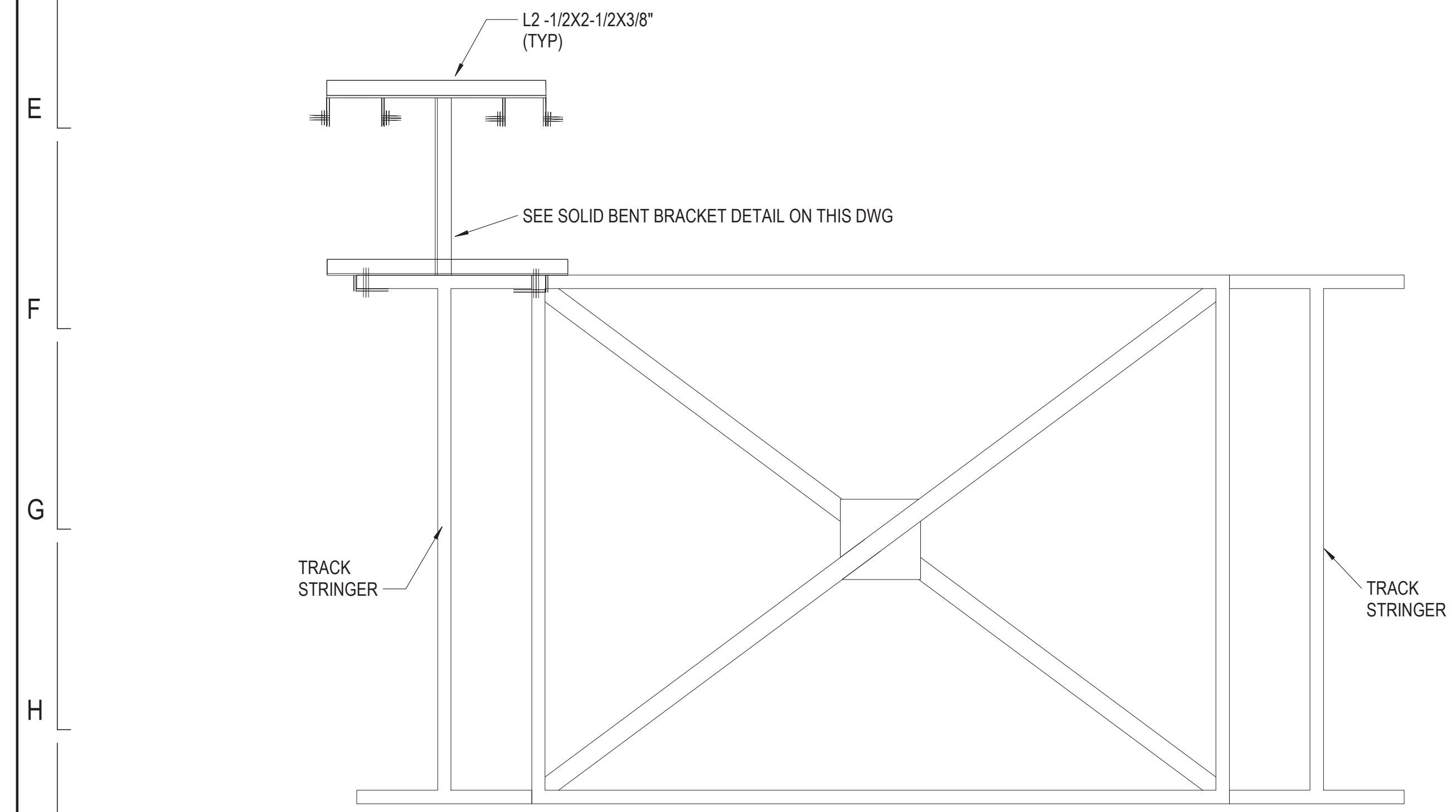
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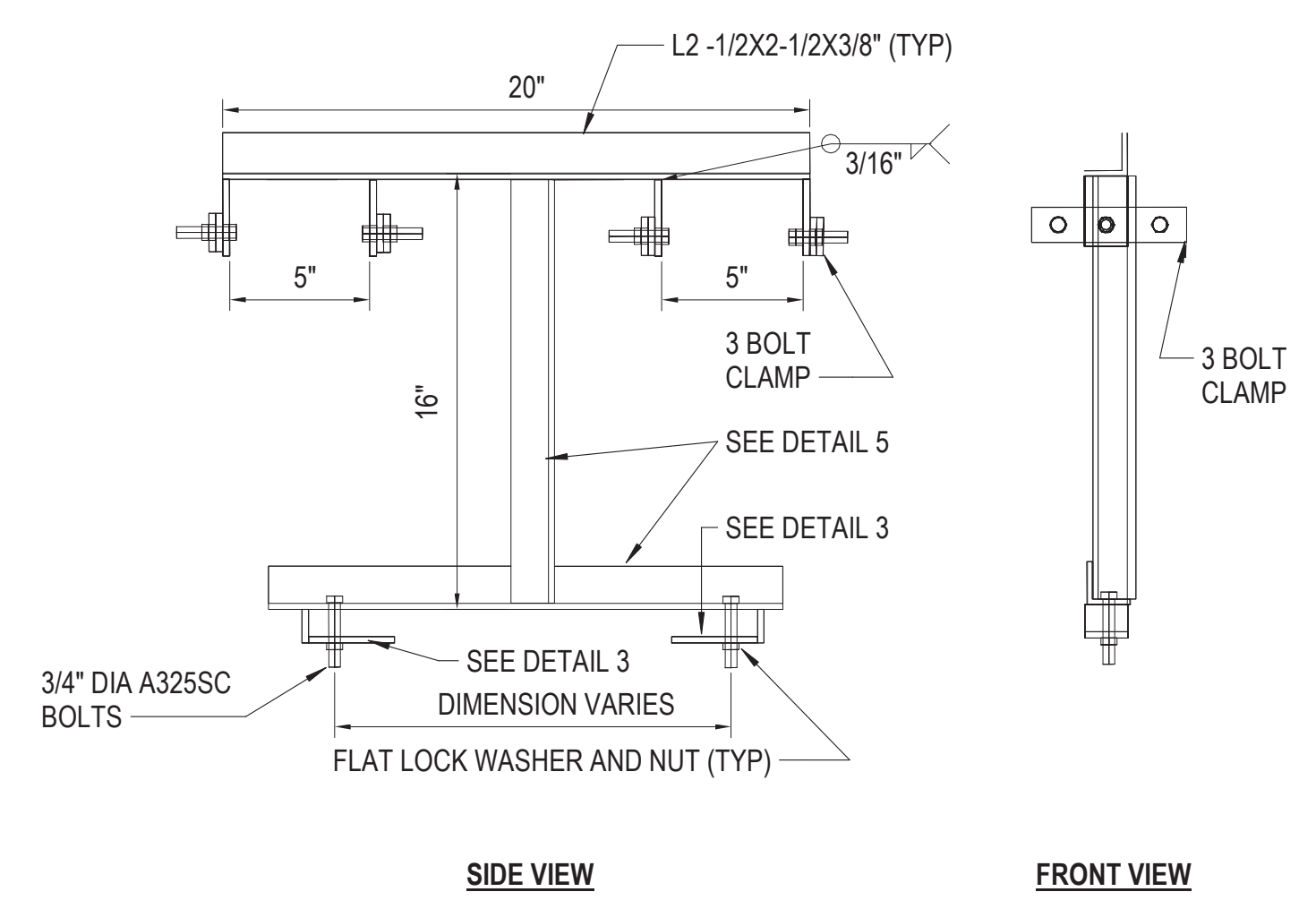
OPEN BENT BRACKET DETAIL TYPE 1



OPEN BENT BRACKET DETAIL TYPE 2



SOLID BENT BRACKET DETAIL



SOILD BENT BRACKET DETAIL

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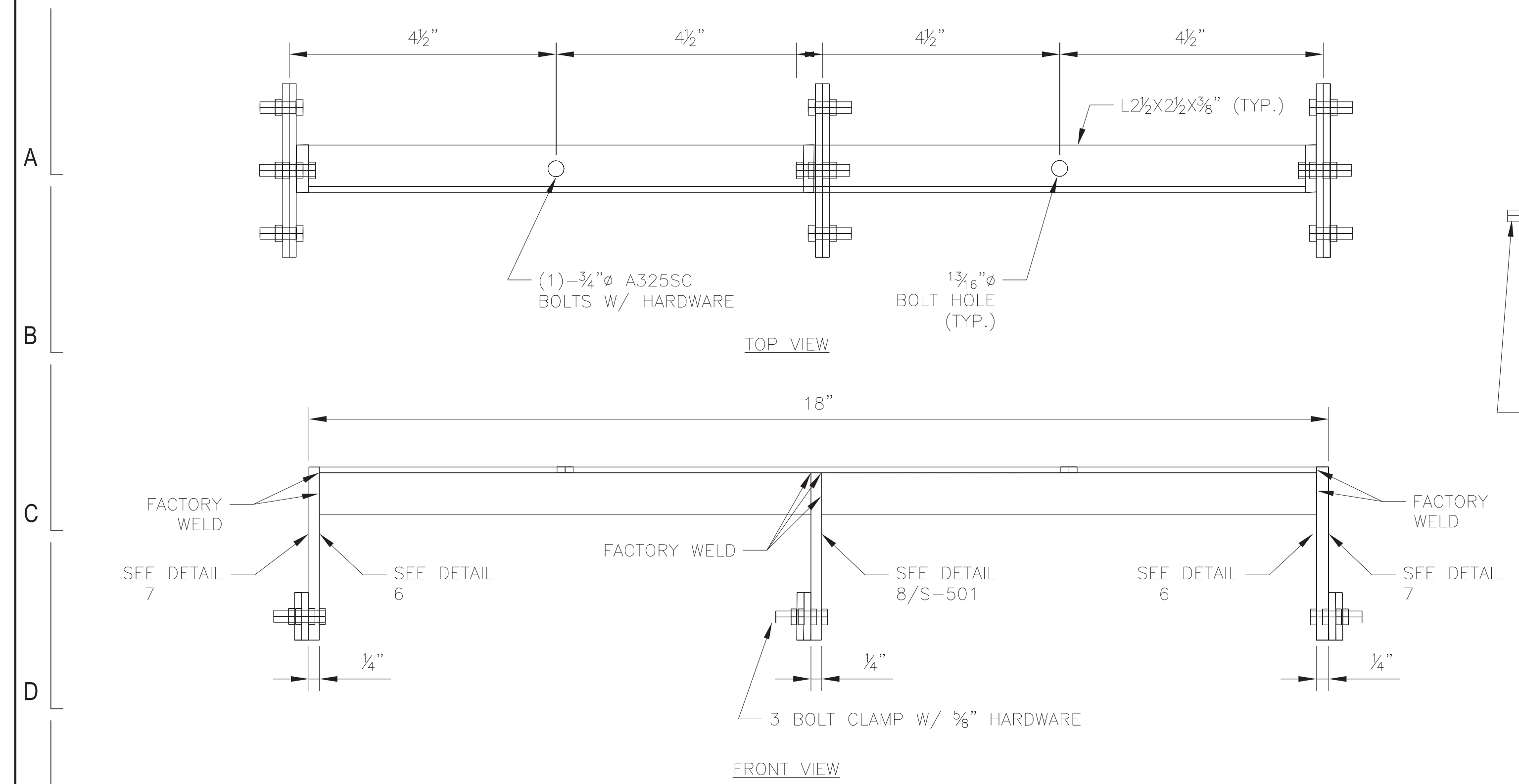


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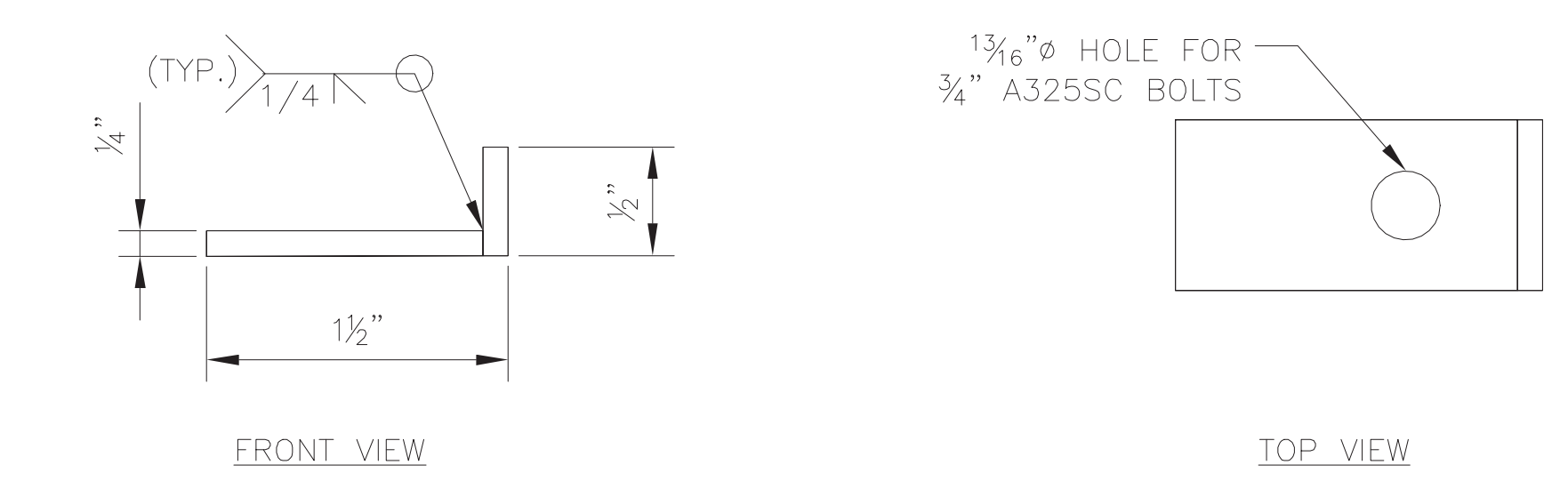


154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DETAILS - MESSENGER BRACKETS		DRAWING NO. EC50-03
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

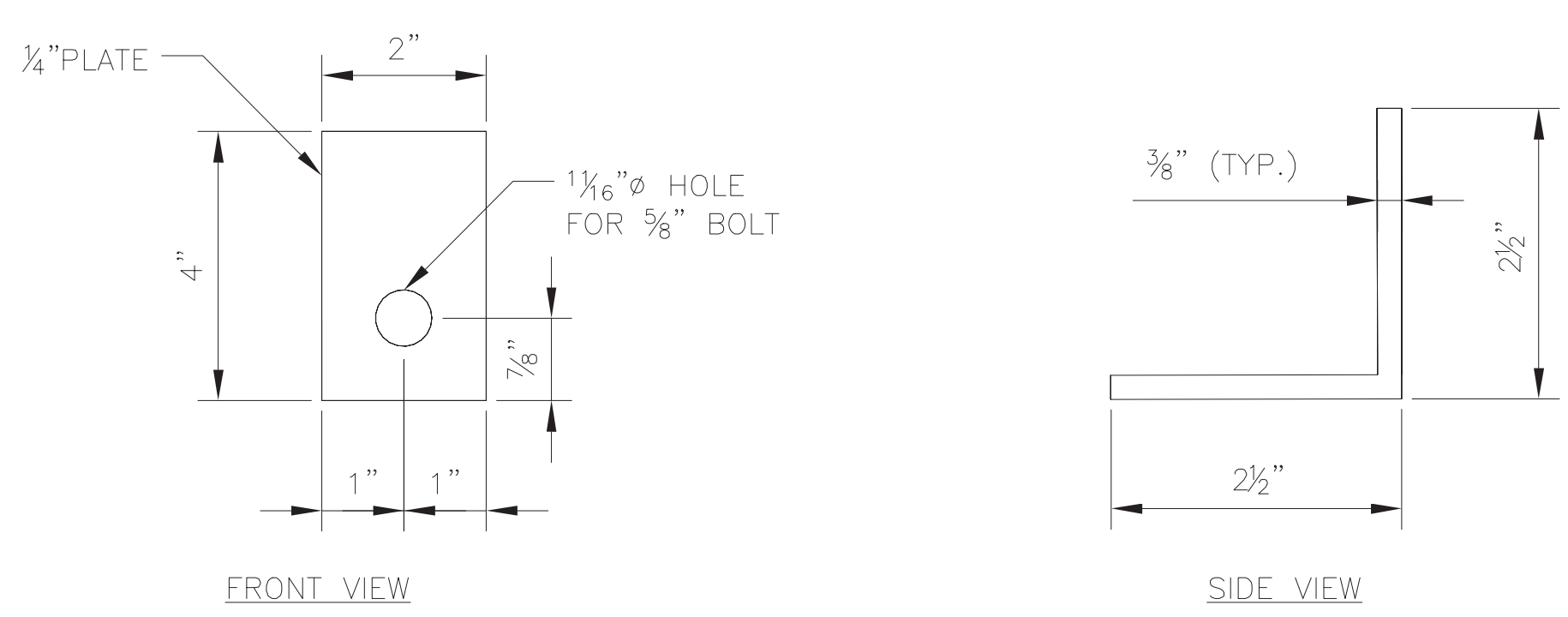
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1 OPEN BENT BRACKET DETAIL TYPE 1
SCALE: NTS

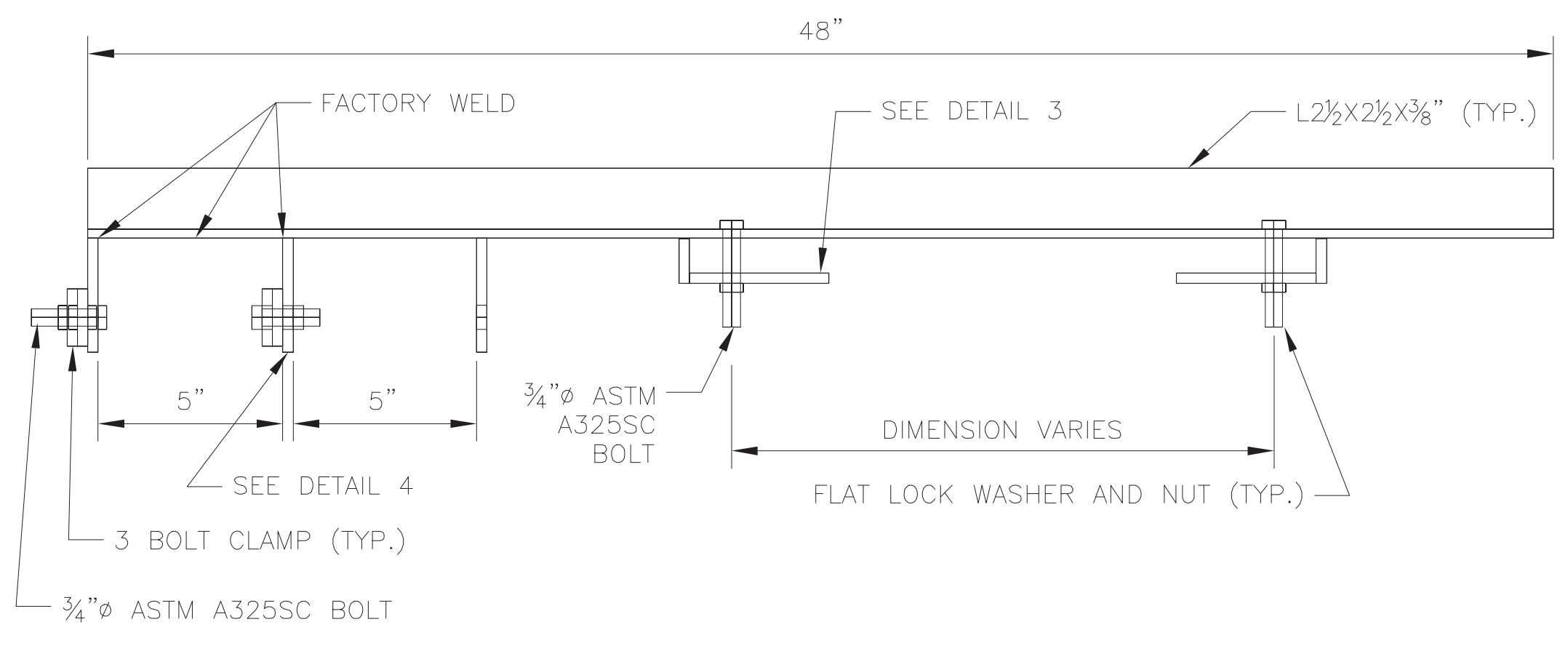


3 BRACKET CLAMP DETAIL
SCALE: NTS

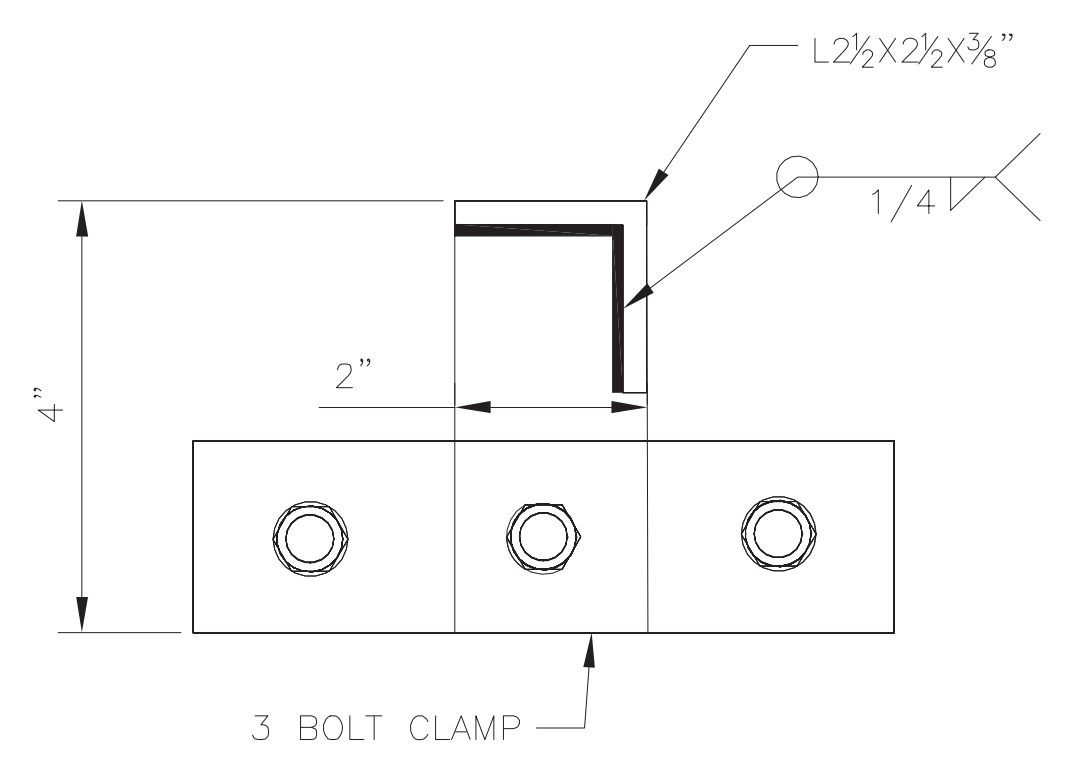


4 HANGER DETAIL
SCALE: NTS

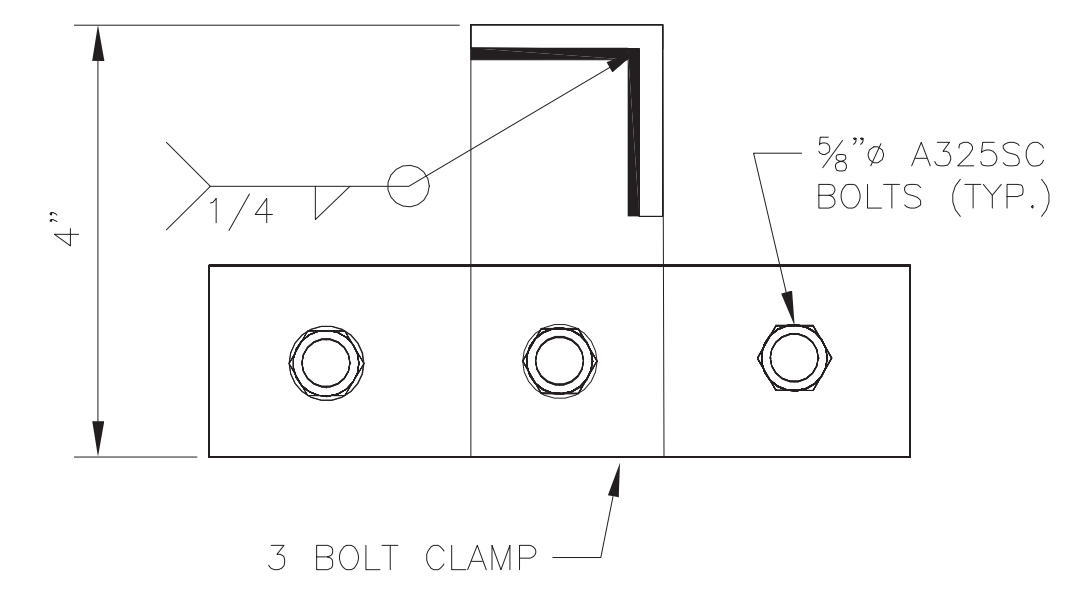
5 ANGLE BRACKET DETAIL
SCALE: NTS



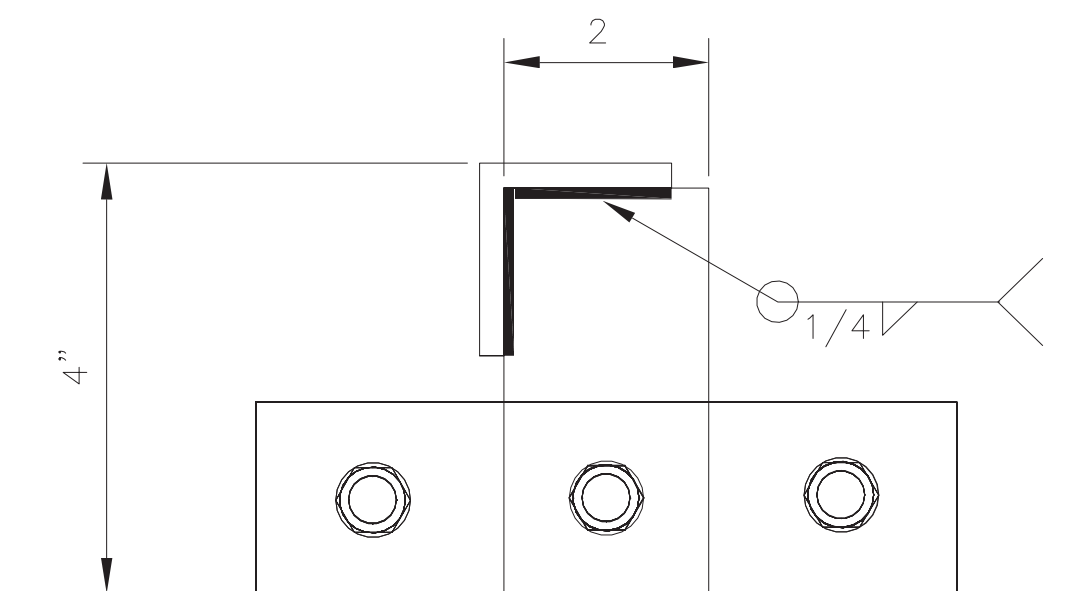
2 OPEN BENT BRACKET DETAIL TYPE 2
SCALE: NTS



6 OUTSIDE HANGER DETAIL-INSIDE WELD
SCALE: NTS



7 OUTSIDE HANGER DETAIL
SCALE: NTS



8 MIDDLE HANGER DETAIL
SCALE: NTS

NOTES

1. ALL STEEL PLATES, ANGLES AND BARS SHALL MEET THE REQUIREMENTS OF ASTM A325.
2. ALL STEEL SHAPES SHALL BE HOT DIPPED GALVANIZED ACCORDING TO ASTM A123.
3. ALL FIELD CONNECTIONS SHALL BE BOLTED CONNECTIONS. ALL WELDING SHALL BE PERFORMED AT SHOP BY PREQUALIFIED WELDERS. WELD ELECTRODES SHALL BE E70XX. WELDING AND WELDS SHALL CONFORM TO THE REQUIREMENTS OF THE STRUCTURAL WELDING CODE, AWS D1.1/2010.
4. ALL BOLTS AND WASHERS SHALL BE GALVANIZED. GALVANIZING SHALL CONFORM TO ASTM A153. ALL HOLES SHALL BE SHOP DRILLED.

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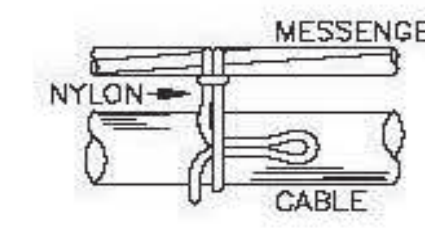
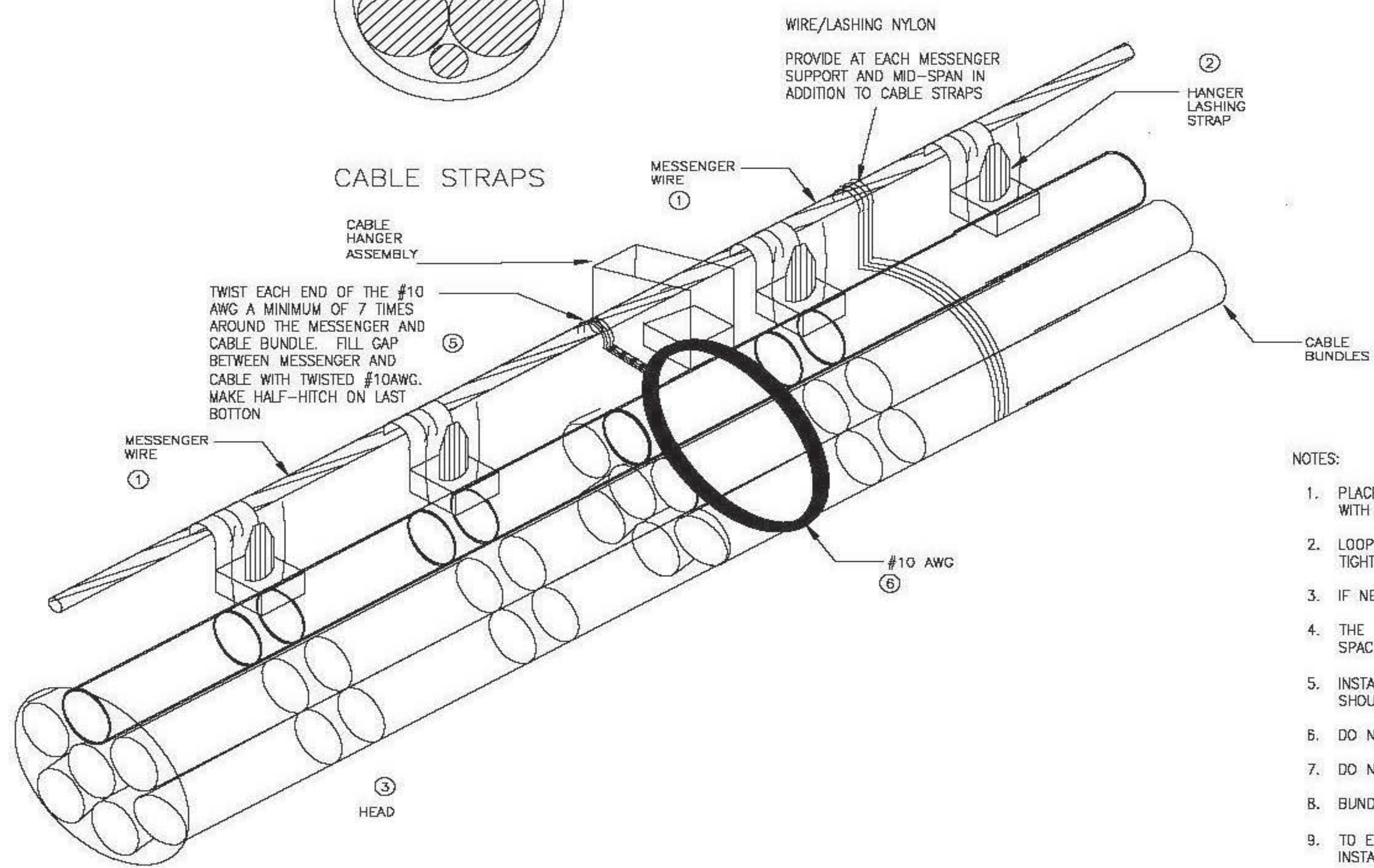
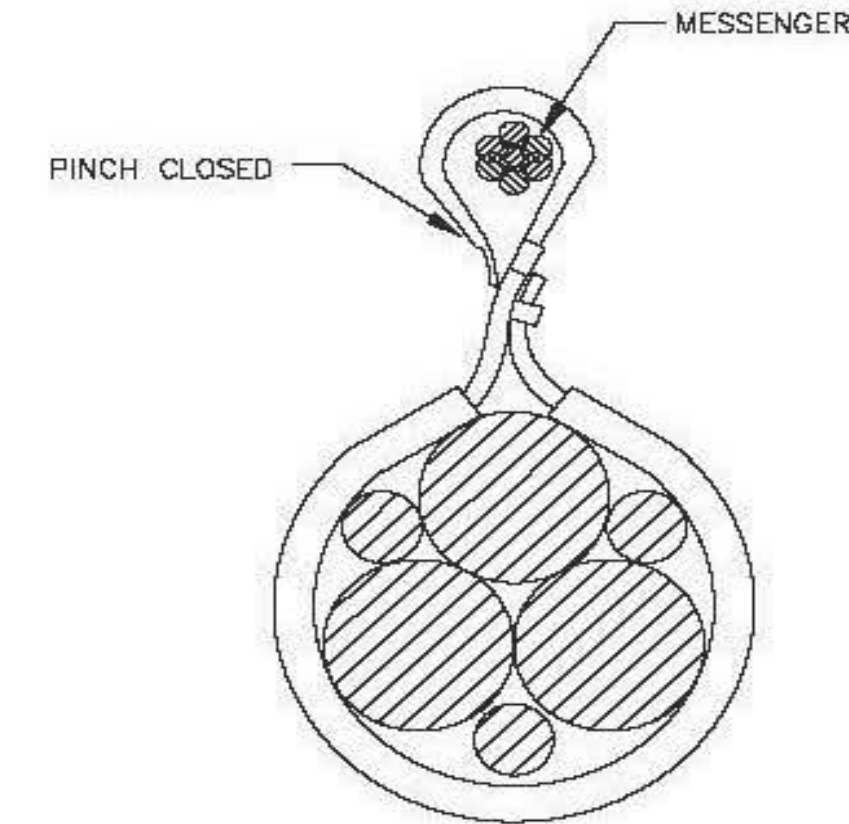
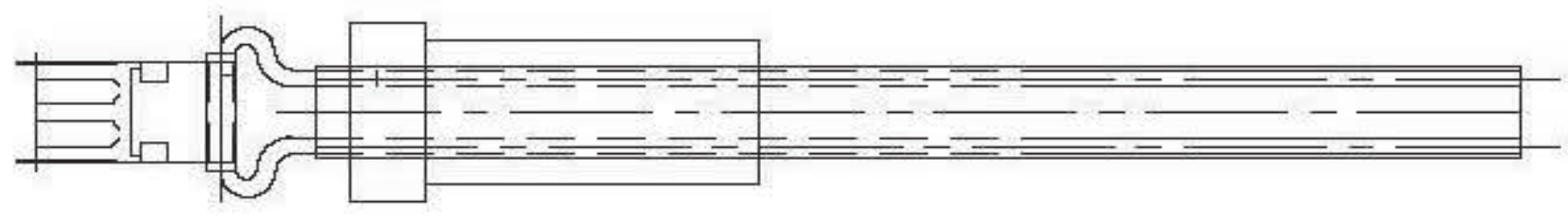
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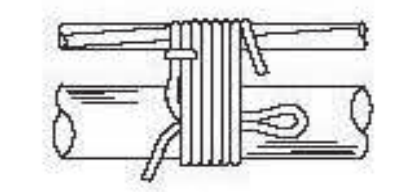
154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
DETAILS - MESSENGER BRACKETS		DRAWING NO. EC50-04
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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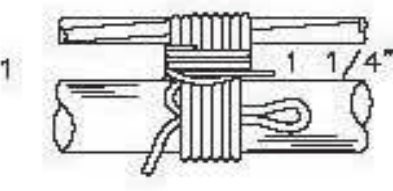


STEP 1
HITCH NYLON AROUND MESSENGER, LOOP SHORT END AND LAY AGAINST CABLE

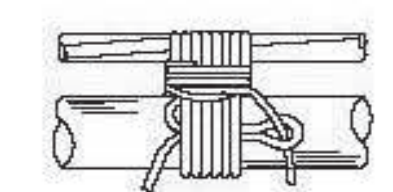


STEP 2
TAKE 6 TURNS AROUND CABLE AND MESSENGER

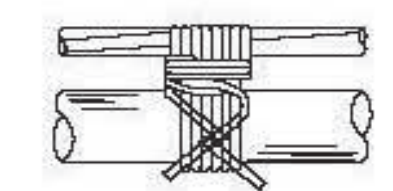
SEE NOTE 1



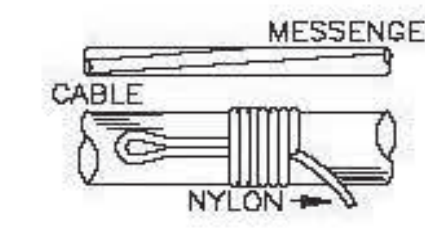
STEP 3
BUTTON TO FILL GAP BETWEEN MESSENGER AND CABLE. MAKE HALF-HITCH ON LAST BUTTON



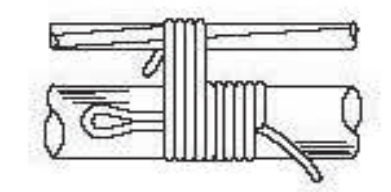
STEP 4
FEED END FROM HALF-HITCH THRU LOOP



STEP 5
DRAW LOOP IN UNDER TIE DIAGONALLY ACROSS CABLE SO THAT SAME BITES TIGHT AND LOCKS IN CENTER OR TIE. TRIM END OF NYLON CLOSE TO SERVE

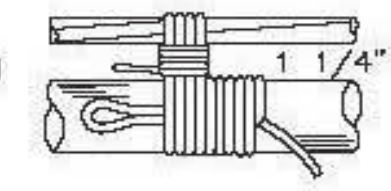


STEP 1
LOOP SHORT END OF NYLON AGAINST CABLE SERVE WITH "A" TURN OF NYLON

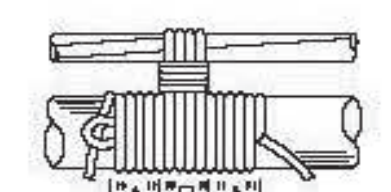


STEP 2
SERVE "B" TURNS AROUND CABLE AND MESSENGER

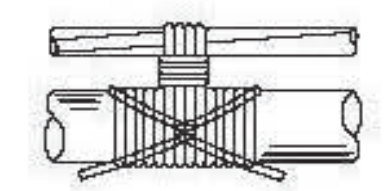
SEE NOTE 1



STEP 3
BUTTON TO FILL GAP BETWEEN MESSENGER AND CABLE. MAKE HALF-HITCH ON LAST BUTTON



STEP 4
SERVE "A" TURNS AROUND CABLE ONLY. DRAW END OF NYLON THRU LOOP



STEP 5
DRAW LOOP IN UNDER TIE DIAGONALLY ACROSS CABLE SO THAT SAME BITES TIGHT AND LOCKS IN CENTER OR TIE. TRIM END OF NYLON CLOSE TO SERVE

FOR CABLE DIAMETERS UP TO AND INCLUDING 1"

FOR CABLE DIAMETERS OVER 1"

NOTE 1

MAKE LONGER AND PROVIDE ADDITIONAL HITCHES FOR NYLON X-TIES FOR HOLDING CABLES AT ENTRANCES TO EQUIPMENT

NUMBER OF NYLON TURNS FOR VARIOUS CABLE SIZES		
DIAM OF CABLE	"A" TURNS	"B" TURNS
1" TO 3"	6	6
3" TO 4"	8	6
4" TO 5"	10	6
5" TO 6"	12	6

TYPICAL NYLON CABLE TIE

NOTES:

- PLACE THE HOOK OF THE LASHING STRAP OVER THE MESSENGER WIRE, AND CLOSE THE HOOK WITH PLIERS. HOOK SHOULD BE PINCHED CLOSED TIGHT AND SECURED.
- LOOP THE LASHING STRAP AROUND THE CABLE, THROUGH THE HEAD, AND PULL UP TO DESIRED TIGHTNESS. DO NOT EXCEED CABLE MAXIMUM RECOMMENDED LOAD.
- IF NECESSARY, RELEASE THE STRAP BY PULLING BACK RELEASE TAB LOCATION IN THE HEAD.
- THE MAX CONTINUOUS STATIC LOADING FOR THE HANGER LASHING STRAP IS 20 LBS. PER STRAP. SPACE STRAPS AS NEEDED NOT TO EXCEED 15 INCHES.
- INSTALL #10 AWG WIRE TIED EVERY MID SPAN OF THE BENT AND BRACKET SUPPORT. CABLE SHOULD BE WOUND 7 TIMES MINIMUM.
- DO NOT EXCEED CABLE MINIMUM BEND RADIUS.
- DO NOT STRESS CABLE OR TIGHTLY CINCHED CABLE BUNDLES.
- BUNDLES SHOULD BE SPACED 3-5 INCHES APART
- TO ENSURE PROPER TENSIONING, STRAIGHT RUNS OF CABLE (NO TURNS, DIPS, TWISTS OR RISES) INSTALL A TENSION ADJUSTMENT FITTING AT LEAST EVERY 50 FEET
- RUNS WITH BENDS OR CORNERS SHOULD HAVE A TENSION ADJUSTMENT FITTING AT LEAST EVERY 10 FEET
- ALL CABLE SHALL BE RUN NEATLY, PARALLEL, WITHIN INDUSTRY STANDARDS AND NO SPIRALING.
- MAXIMUM BUNDLE SIZE SHALL NOT EXCEED 6 INCHES.

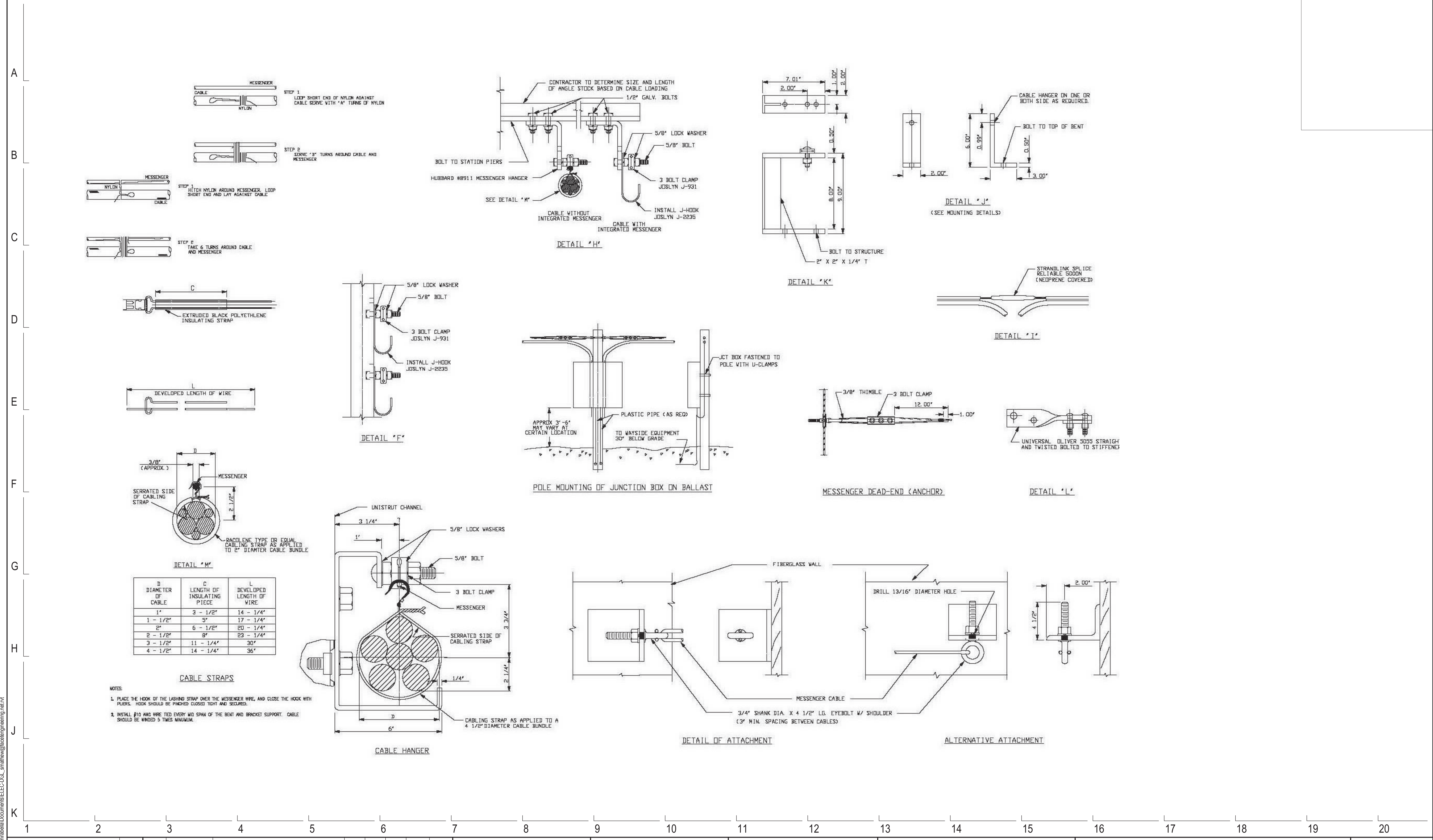
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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
MESSENGER INSTALLATION DETAILS (1 OF 2)		DRAWING NO. EC50-05
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.



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154 N DAMEN AVE - DAMEN GREEN LINE STATION		SPEC. NO.
MESSENGER INSTALLATION DETAILS (2 OF 2)		DRAWING NO. EC50-06
CDOT PROJECT D-7-135	DATE: 11/01/2019	REVISION NO.

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