

# AT&T

Exhibit 38  
OZAH Case No: CU 24-14

## SITE NAME: DUNNAVANT RELO FOR BOYER PLACE - YESHIVA TEMP SITE SITE ID: SIMD010145 FA NUMBER: 12573579 2010 LINDEN LANE SILVER SPRING, MD 20910



7150 STANDARD DRIVE  
HANOVER, MD 21076



**MORRIS & RITCHIE ASSOCIATES, INC.**  
Civil / Structural Engineers  
1220-B East Joppa Road, Suite 400K  
Towson, Maryland 21286  
Office: (410) 821-1690  
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1997 ANNAPOLIS EXCHANGE PARKWAY, SUITE 200  
ANNAPOLIS, MD 21401  
PHONE: (410) 263-5465  
FAX: (410) 220-2962

**SITE ID:** SIMD010145  
**SITE NAME:** DUNNAVANT RELO FOR BOYER PLACE (YESHIVA TEMP)  
**(FA NUMBER: 12573579)**  
**SITE ADDRESS:** 2010 LINDEN LANE  
SILVER SPRING, MD 20910  
MONTGOMERY COUNTY

### REVISION BLOCK

NO.	DESCRIPTION	DATE
Δ	TELCO REVISION	03/21/24
	RETAINING WALL	12/18/23
	COUNTY COMMENTS	08/15/23
	COUNTY COMMENTS	07/20/23
	PERMIT DWGS	07/13/23



**PROFESSIONAL CERTIFICATION**  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 322384, EXPIRATION DATE: 11/10/2025.

**DRAWN BY:** AJL  
**DESIGNED BY:** AJL  
**REVIEWED BY:** RJL  
**ORIGINAL DATE:** 06/22/2023  
**MRA PROJECT #:** 18291.213



**Know what's below.  
Call before you dig.**

PROTECT YOURSELF. GIVE THREE WORKING DAYS NOTICE.  
THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPURTENANT.

### SHEET TITLE

Cover Sheet

### SHEET NUMBER

CS-1

### SITE INFORMATION

**SCOPE OF WORK:**  
(1) TEMPORARY BALLASTED MONOPOLE  
(3) EQUIPMENT CABINETS  
(1) PPC POWER PANEL  
(1) DC50  
(1) 150 KVA TRANSFORMER AT GRADE  
(9) PROPOSED ANTENNAS  
(12) PROPOSED REMOTE RADIO HEADS  
(3) PROPOSED AT&T RAYCAP DC9 RAYCAP  
(12) PROPOSED AT&T CABLES  
(3) RFFT-48SM-001 FIBER TRUNK  
(9) PWRT-606-S DC TRUNK

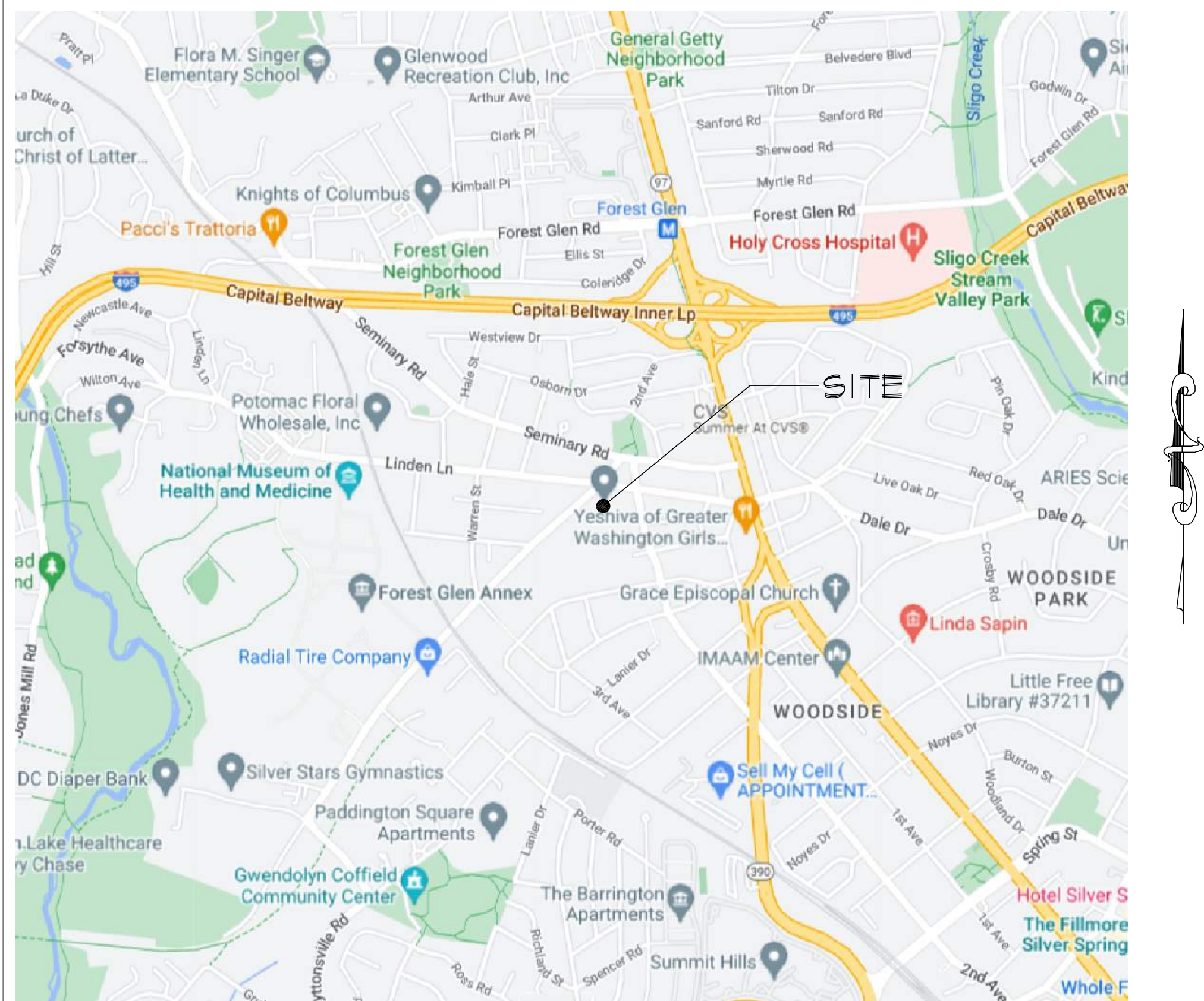
**AT&T SITE ID:** SIMD010145  
**AT&T FA NUMBER:** 12573579  
**AT&T SITE NAME:** DUNNAVANT RELO FOR BOYER PLACE - YESHIVA TEMP SITE  
**911 SITE ADDRESS:** 2010 LINDEN LANE  
ROCKVILLE, MD 20910

**CENTROID OF TEMP TOWER:** LAT. = N039° 00' 29.49", LONG. = W077° 02' 40.77"  
LAT. = 39.008192°, LONG. = -77.044658

**JURISDICTION:** MONTGOMERY COUNTY  
**TAX DEED REFERENCES:** DEED BOOK 4813, PAGE 0269  
**TAX ACCOUNT NUMBER:** 01743203  
**PARCEL AREA:** 377,665 SQ FT  
**PARCEL OWNER:** MONTGOMERY COUNTY  
**OWNER ADDRESS:** EOB 101 MONROE ST  
ROCKVILLE, MD 20850

**GROUND ELEVATION:** 372' AMSL (AVERAGE)  
**PROPOSED WORK USE GROUP:** UTILITY (U)  
**EXISTING STRUCTURE HEIGHT:** 118'-0" AGL (AT&T ANTENNA RAD CENTER)  
122'-0" AGL (TOP OF PROPOSED TOWER)  
122'-0" AGL (HIGHEST POINT)

### VICINITY PLAN



### INDEX OF DRAWINGS

- CS-1 COVER SHEET
- GN-1 GENERAL STRUCTURAL NOTES
- C-1 SITE PLAN
- C-2 ENLARGED COMPOUND PLAN
- C-3 TOWER ELEVATION & ANTENNA SECTOR PLAN
- C-4 ANTENNA SCHEDULE
- C-5 PLUMBING DIAGRAMS
- C-6 ANTENNA DETAILS
- C-7 EQUIPMENT DETAILS
- S-1 TEMPORARY POLE ELEVATION & PLATFORM DETAILS
- S-2 STRUCTURAL DETAILS
- S-3 EQUIPMENT PLATFORM DETAILS
- S-4 RETAINING WALL DETAILS AND NOTES
- G-1 SITE GROUNDING PLAN, EQUIPMENT GROUNDING PLANS, ANTENNA PLAN AND NOTES
- G-2 DETAILS
- E-1 SITE PLAN AND NOTES
- E-2 POWER PLAN AND ELECTRIC ROOM PART PLAN
- E-3 POWER RISER AND NOTES
- E-4 SYMBOLS LIST, PANEL SCHEDULES, AND NOTES

### PROJECT TEAM

**APPLICANTS:** AT&T MOBILITY  
7150 STANDARD DRIVE  
HANOVER, MD 21076  
OFFICE: (410) 712-4174

**PROJECT MANAGEMENT FIRM:** SMARTLINK GROUP  
1997 ANNAPOLIS EXCHANGE PARKWAY  
SUITE 200  
ANNAPOLIS, MD 21401  
(410) 263-5465

**ENGINEERING FIRMS:** TELEAGENT ENGINEERING INC.  
2216 COMMERCE ROAD, SUITE 1  
FOREST HILL, MD 21050  
(410) 692-5816

MORRIS & RITCHIE ASSOCIATES, INC.  
1220-B EAST JOPPA ROAD, SUITE 400K  
TOWSON, MD 21286 (410) 821-1690

### CODE ANALYSIS

**APPLICABLE BUILDING CODE:** IBC 2018  
**APPLICABLE ELECTRIC CODE:** NEC 2017  
**USE GROUP (PER IBC):** UTILITY (U)  
**CONSTRUCTION TYPE:** 5B NON-COMBUSTIBLE

\* REFER TO GENERAL STRUCTURAL NOTES ON SHEET GN-1 FOR COMPREHENSIVE CODE REFERENCES & INDUSTRY STANDARDS

### GENERAL NOTES

**DO NOT SCALE DRAWINGS:**

THESE DRAWINGS ARE FORMATTED TO BE FULL-SIZE AT 24"X36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE DESIGNER / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.

**NOTE TO GENERAL CONTRACTOR:**

NO WORK IS TO BE PERFORMED ON THIS SITE WITHOUT REVIEW OF THE APPROVED STRUCTURAL ANALYSIS. IF ANY DISCREPANCIES ARE FOUND THE GENERAL CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING. AT NO TIME WILL ANY ADDITIONAL ANTENNAS BE INSTALLED WITHOUT WRITTEN CONSENT FROM TOWER ENGINEER.

### APPROVAL BLOCK

	DATE	APPROVED	APPROVED AS NOTED	DISAPPROVED/REVISE
PROPERTY OWNER		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SITE ACQUISITION		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CONSTRUCTION MANAGER		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ZONING MANAGER		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RF ENGINEER		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



STRUCTURAL NOTES

BUILDING CODES

- A. INTERNATIONAL BUILDING CODE (IBC 2018)
B. CLIMATE AND GEOGRAPHIC DESIGN CRITERIA FOR MONTGOMERY COUNTY, MD
C. IN ADDITION, ALL CONSTRUCTION SHALL CONFORM WITH ANY GOVERNING LOCAL BUILDING CODES NOT INDICATED.

DESIGN LOAD

- A. THE DESIGN DEAD LOADING FOR ALL FRAMING IS BASED ON THE CONSTRUCTION MATERIALS SHOWN ON THE DRAWINGS AND INDICATED IN THE SPECIFICATIONS.

B. WIND LOAD DESIGN CRITERIA:

Table with 2 columns: ANALYSIS PROCEDURE and DIRECTIONAL PROCEDURE. Rows include ULTIMATE WIND SPEED, EXPOSURE CATEGORY, TOPOGRAPHIC FACTOR, DIRECTIONALITY FACTOR, and GUST EFFECT FACTOR.

- C. THE CONTRACTOR SHALL NOT STORE ANY CONSTRUCTION MATERIALS OR UNDERTAKE ANY CONSTRUCTION OPERATION WHICH WILL EXCEED THE DESIGN LIVE LOADINGS NOTED.
D. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION AND REMOVAL OF TEMPORARY BRACING AND CONSTRUCTION SUPPORTS FOR NEW AND EXISTING STRUCTURES.
E. DO NOT PLACE ANY STRUCTURES (ELECTRICAL CONDUIT, TELECOMMUNICATIONS OR SIGNAL WIRE, OPERABLE DEVICES, FLUID LINES, ETC) WITHIN NINE (9) INCHES OF THE UNDERSIDE OF THE ROOF AS THESE MAY BE COMPROMISED BY ROOFING SCREWS AT SOME FUTURE DATE FROM ROOF REPLACEMENT.

MISCELLANEOUS

- A. THE CONTRACTOR SHALL REVIEW THE CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATION AND DIMENSION OF CHASES, INSERTS, OPENINGS, SLEEVES, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS WHICH IMPACT THE STRUCTURAL COMPONENTS.
B. IN CASES OF CONFLICT BETWEEN THE DRAWINGS AND/OR SPECIFICATIONS AND OTHER DISCIPLINES OR EXISTING CONDITIONS, CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONALS AND OBTAIN CLARIFICATION PRIOR TO BIDDING AND PROCEEDING WITH WORK.
C. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS SHOWN ON THE CONTRACT DRAWINGS BEFORE PROCEEDING WITH CONSTRUCTION.
D. THE CONTRACTOR SHALL NOT SUBMIT REPRODUCTIONS OF THE STRUCTURAL CONTRACT DOCUMENTS AS SHOP DRAWINGS.
E. SCALES SHOWN ON THE STRUCTURAL CONTRACT DRAWINGS ARE FOR GENERAL INFORMATION ONLY.
F. APPLY DETAILS, SECTIONS AND NOTES ON THE DRAWINGS WHERE CONDITIONS ARE SIMILAR TO THOSE INDICATED BY DETAIL, DETAIL TITLE OR NOTE.
G. ASSUME EQUAL SPACING BETWEEN ESTABLISHED DIMENSIONS, IF NOT INDICATED ON DRAWINGS.
H. CENTERLINES OF COLUMNS COINCIDE WITH GRID LINE INTERSECTIONS, UNLESS NOTED OTHERWISE.
I. CENTERLINES OF FRAMING MEMBERS COINCIDE WITH COLUMN CENTERLINES, UNLESS OTHERWISE NOTED.
J. THE CONTRACTOR SHALL VERIFY THAT CONSTRUCTION LOADS DO NOT EXCEED THE CAPACITY OF THE STRUCTURE AT THE TIME THE LOAD IS APPLIED.
K. PROVIDE SHORING AND PROTECTION FOR EXCAVATION BANKS AS NECESSARY TO PREVENT CAVING AND COMPLY WITH ALL APPLICABLE OSHA RULES AND REGULATIONS.
L. SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS MUST BE SUBMITTED BY THE CONTRACTOR OR OWNER FOR REVIEW BY THE ENGINEER.

STRUCTURAL AND MISCELLANEOUS STEEL

- A. ALL STEEL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE AISC STEEL CONSTRUCTION MANUAL "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" (ANSI/AISC 360) AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
B. ALL STRUCTURAL STEEL WIDE FLANGE SHAPES, AND SHAPES CUT THEREOF, SHALL CONFORM TO ASTM A992 (Fy = 50 KSI).
C. ALL MISCELLANEOUS STEEL (PLATES) SHALL CONFORM TO ASTM A36 (Fy = 36 KSI).
D. ALL PIPE SHALL CONFORM TO ASTM A53, GRADE B (Fy = 35 KSI).
E. WHERE NO CAMBER IS INDICATED, FABRICATE BEAMS SO THAT ANY NATURAL CAMBER IS UPWARD AFTER ERECTION.
F. ALL BEAM CONNECTIONS SHALL BE DESIGNED FOR THE MAXIMUM OF 50% OF THE UNIFORM LOAD CAPACITY OF THE MEMBER (LATERALLY SUPPORTED) OR THE SHEAR CAPACITY OF THE WEB, WITH DUE CONSIDERATION OF CONCENTRATED LOADS.
G. UNLESS NOTED OTHERWISE, DETAILS INDICATED ON THE DRAWINGS INDICATE GENERAL CRITERIA FOR DESIGN AND DETAILING OF THE CONNECTIONS.
H. ALL WELDED CONNECTIONS SHALL USE E70XX ELECTRODES.
I. ALL NUTS SHALL CONFORM TO ASTM A563. ALL WASHERS SHALL CONFORM TO ASTM F436.
J. ALL CONNECTIONS, UNLESS OTHERWISE NOTED, SHALL BE DOUBLE ANGLE OR SINGLE PLATE SHEAR CONNECTIONS DESIGNED AND DETAILED IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION WITH A MINIMUM EDGE DISTANCE OF 1 1/2 INCHES AND BOLT SPACING OF 3 INCHES.
K. ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY CERTIFIED WELDERS AND CONFORM TO THE AMERICAN WELDING SOCIETY CODE FOR BUILDINGS AWS D1.1. WELDS SHALL DEVELOP THE FULL STRENGTH OF MATERIALS BEING WELDED UNLESS OTHERWISE INDICATED.
L. ALL CONNECTIONS TO EXISTING STEEL FRAMING SHALL BE FIELD BOLTED UNLESS OTHERWISE INDICATED.

- M. THE CONTRACTOR SHALL NOT SPLICE OR CUT OPENINGS IN STEEL MEMBERS NOT SHOWN ON CONTRACT DRAWINGS WITHOUT THE PERMISSION OF THE STRUCTURAL ENGINEER.
N. AN INDEPENDENT INSPECTION AGENCY SHALL INSPECT ALL STRUCTURAL STEEL AND VERIFY THAT IT CONFORMS TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
O. STEEL MEMBERS, FABRICATIONS AND ASSEMBLIES EXPOSED TO WEATHER OR INDICATED TO BE GALVANIZED SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 AFTER FABRICATION.
P. PROVIDE HOLES IN STEEL AS REQUIRED TO PREVENT ANY ACCUMULATION OF WATER.
Q. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INDICATING THE SIZES, EXTENT, AND LOCATION OF ALL STRUCTURAL AND MISCELLANEOUS STEEL FRAMING INCLUDING ALL CONNECTIONS, FASTENERS, AND BEARINGS.
R. SHOW ALL COPES, HOLES, OPENINGS AND MODIFICATIONS REQUIRED IN STRUCTURAL STEEL MEMBERS FOR ERECTION OR THE WORK OF OTHER TRADES ON THE SHOP DRAWINGS FOR APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER.

RETAINING WALLS

- A. ALL RETAINING WALLS HAVE BEEN DESIGNED FOR AN ASSUMED NET ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF.
B. RETAINING WALLS HAVE BEEN DESIGNED WITH CRUSHER RUN (CR-6) BACKFILL MATERIAL.
C. RETAINING WALLS HAVE BEEN DESIGNED FOR THE FOLLOWING MINIMUM FACTORS OF SAFETY:
D. CONSTRUCTION OF ALL RETAINING WALLS SHALL BE PERFORMED UNDER THE SUPERVISION OF A REGISTERED GEOTECHNICAL ENGINEER.
E. ALL RETAINING WALLS SHALL BE BRACED AND SHORED AS REQUIRED DURING BACKFILLING.
F. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING IMMEDIATELY THE ENGINEER OF RECORD IF SOIL OR SITE CONDITIONS ARE NOT AS NOTED ON THE APPROVED RETAINING WALL PLANS OR IF GROUND WATER IS ENCOUNTERED DURING CONSTRUCTION.
G. SUBGRADE CONDITIONS NOT MEETING THE REQUIRED STRENGTH (ALLOWABLE SOIL BEARING PRESSURE DESCRIBED ABOVE) SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH THE RECOMMENDATIONS OF GEOTECHNICAL ENGINEER OF RECORD.

STRUCTURAL BACKFILL

- A. ALL STRUCTURAL BACKFILL SHALL BE INSTALLED IN A CONTROLLED MANNER TO ENSURE NO VOIDS ARE PRESENT DURING BACKFILLING OPERATIONS.
B. NEW FILL MATERIAL AND EXISTING BASE MATERIAL SHALL BE FREE OF ALL REFUSE, DEBRIS, AND ORGANIC MATTER AND SHALL BE APPROVED FOR USE BY A REGISTERED GEOTECHNICAL ENGINEER.
C. FILL MATERIAL SHALL BE DEPOSITED IN 8 INCH MAXIMUM LOOSE LIFTS AND COMPACTED TO A DRY DENSITY OF AT LEAST 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698.
D. WHEN WORK IS INTERRUPTED BY RAIN, FILL OPERATIONS SHALL NOT RESUME UNTIL FIELD TESTS INDICATE THAT THE MOISTURE CONTENT AND SOIL DENSITY OF THE TOP 8 INCHES OF FILL IS WITHIN THE LIMITS SPECIFIED.

GEOTECHNICAL NOTES

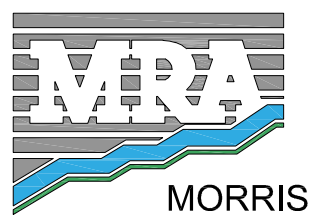
- A. IF AN EXISTING GEOTECHNICAL REPORT IS NOT READILY AVAILABLE TO THE A/E FIRM OR GENERAL CONTRACTOR, IT IS RECOMMENDED THAT GEOTECHNICAL INVESTIGATIONS BE PERFORMED ON A SITE-SPECIFIC BASIS TO DETERMINE IN SITU SOIL PARAMETERS.
B. GEOTECHNICAL REPORT SHALL CONFIRM SOIL PARAMETERS MEET OR EXCEED MINIMUM SOIL PARAMETERS AS LISTED IN DESIGN NOTES, RETAINING WALLS, NOTE A.
C. SOIL CLASSIFICATION SHALL BE BASED ON OBSERVATION AND ANY NECESSARY TESTS OF THE MATERIALS DISCLOSED BY BORINGS, TEST PITS OR OTHER SUBSURFACE EXPLORATION MADE IN APPROPRIATE LOCATIONS.
D. SOIL CLASSIFICATION SHALL BE COMPLETED IN ACCORDANCE WITH ASTM D2487 STANDARDS.

POST-INSTALLATION INSPECTION NOTES

- A. A POST-INSTALLATION INSPECTION REPORT IS REQUIRED AND SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
B. THE POST-INSTALLATION INSPECTION REPORT SHALL BE COMPLETED BY A PROFESSIONAL ENGINEER LICENSED IN THE JURISDICTION IN WHICH THE PROJECT IS LOCATED.
C. THE INTENT OF THE POST-INSTALLATION INSPECTION REPORT IS TO CONFIRM INSTALLATION AND CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE CONSTRUCTION DESIGN ITSELF.
D. TO ENSURE THAT THE REQUIREMENTS OF THE POST-MODIFICATION INSPECTION REPORT ARE MET, IT IS VITAL THAT THE CONTRACTOR AND POST-MODIFICATION INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A P.O. IS RECEIVED.



7150 STANDARD DRIVE HANOVER, MD 21076



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SITE ID: SIMD010145 SITE NAME: DUNNAVANT RELO FOR BOYER PLACE (YESHIVA TEMP) (FA NUMBER: 12573579) SITE ADDRESS: 2010 LINDEN LANE SILVER SPRING, MD 20910 MONTGOMERY COUNTY

REVISION BLOCK

Table with 3 columns: NO., DESCRIPTION, DATE. Includes revisions for TELCO REVISION, RETAINING WALL, COUNTY COMMENTS, and PERMIT DWGS.



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SHEET TITLE

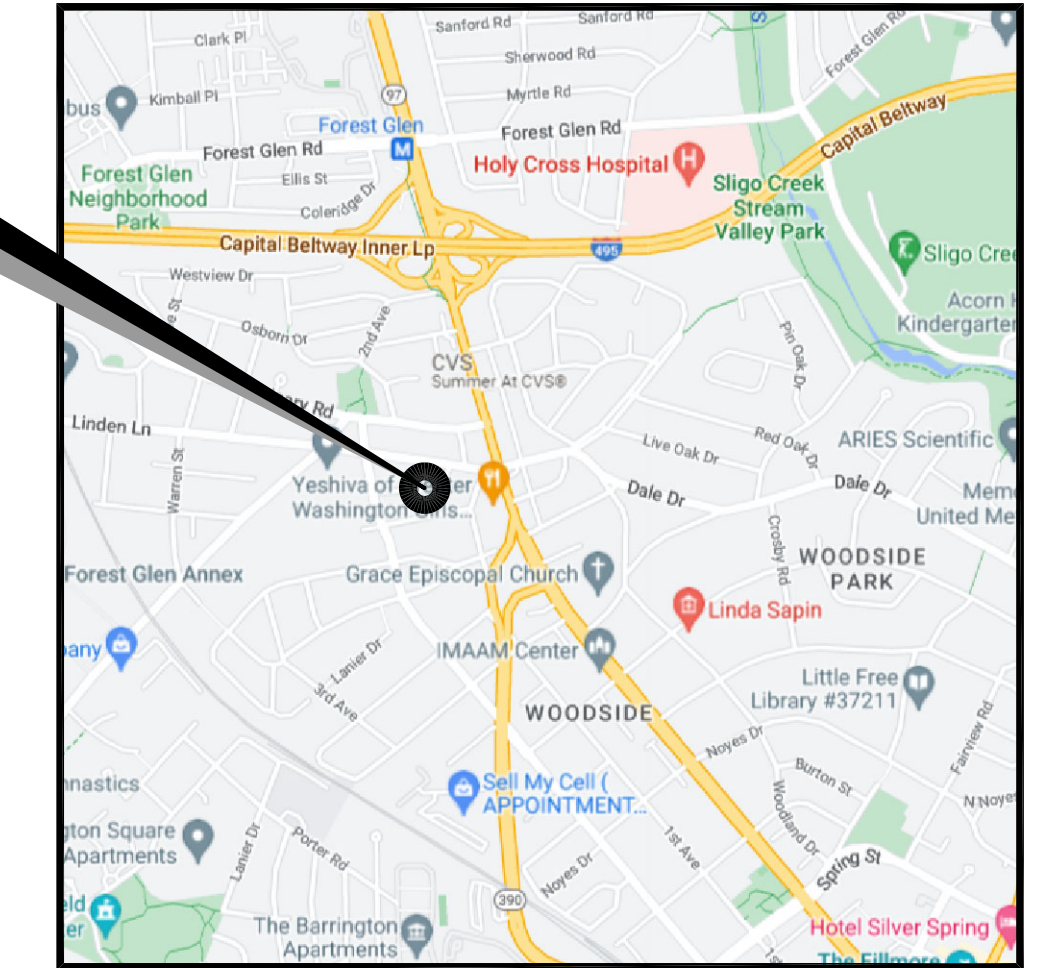
General Structural Notes

SHEET NUMBER

GN-1



SITE



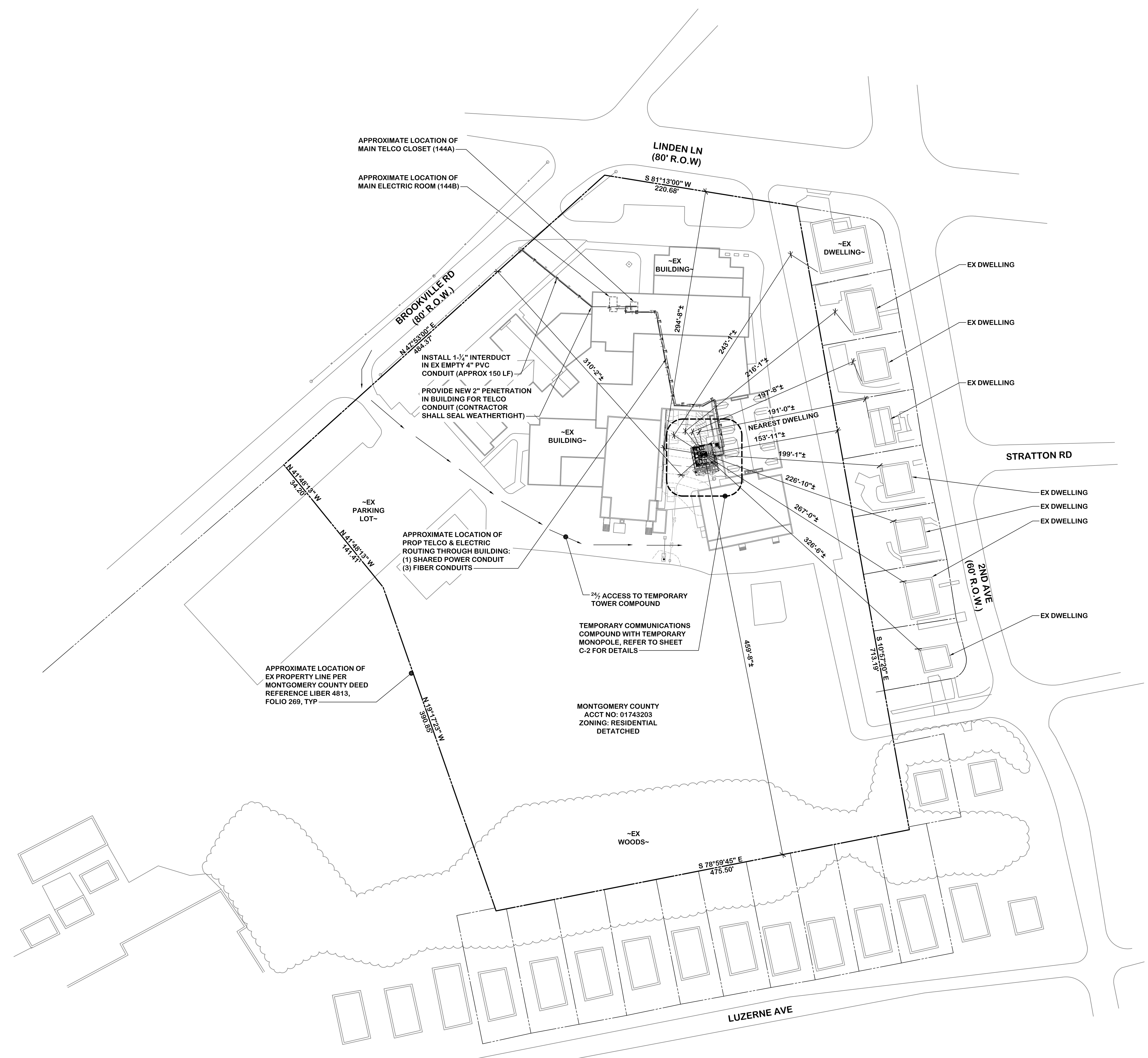
VICINITY MAP  
SCALE: 1" = 1500'

**SITE NOTES:**

- APPLICANT: AT&T C/O SMARTLINK LLC  
1997 ANNAPOLIS EXCHANGE  
ANNAPOLIS, MD 21401  
TEL. (240) 498-9338
- PROPERTY OWNER: MONTGOMERY COUNTY  
EOB 101 MONROE ST  
ROCKVILLE, MD 20850
- SITE DATA: ACCOUNT NUMBER: 01743203  
DEED BOOK 4813/PAGE 269  
TRACT AREA: 377,665 SQ FT  
ADDRESS: SEMINARY RD  
SILVER SPRING, MD 20910  
EXISTING USE: EDUCATION  
PROPOSED USES: EDUCATION, TELECOMMUNICATIONS
- ZONING: R-60
- HORIZONTAL AND VERTICAL CONTROL SHOWN FOR PROPOSED AT&T INSTALLATION HEREON IS BASED ON A FAA 1-A SURVEY CERTIFICATION BY MORRIS & RITCHIE ASSOCIATES, INC DATED JUNE 26, 2023:  
LATITUDE: 39.008192° (N39° 00' 29.49") GROUND ELEVATION: 372.0' AMSL (AVG.)  
LONGITUDE: -77.044658° (W77° 02' 40.77") PROPOSED STRUCTURE HEIGHT: 122' AGL  
PROPOSED ANTENNA RAD CENTER: 118' AGL  
OVERALL HEIGHT AND TOTAL ELEVATION (AMSL): 494' AMSL
- TOTAL DISTURBED AREA = 0 SF±
- AT&T WILL INSTALL A TEMPORARY MONOPOLE WITHIN A TEMPORARY FENCED COMPOUND. NINE (9) PROPOSED ANTENNAS AND ASSOCIATED EQUIPMENT WILL BE MOUNTED TO THE TEMPORARY MONOPOLE AT A RAD CENTER OF APPROXIMATELY 118'-0" ABOVE GRADE LEVEL FOR THE RECEPTION AND TRANSMISSION OF AT&T TELECOMMUNICATIONS.
- THE STRUCTURE WILL NOT SUPPORT LIGHTS OR SIGNS UNLESS REQUIRED FOR AIRCRAFT WARNING OR OTHER SAFETY RECORDS.
- THE APPLICANT WILL PROVIDE A CERTIFICATION FROM A REGISTERED ENGINEER THAT THE STRUCTURE WILL MEET THE APPLICABLE DESIGN STANDARDS FOR WIND LOADS PER THE REQUIREMENTS OF THE TELECOMMUNICATIONS INDUSTRY ASSOCIATION.
- IF THE ANTENNAS ARE NO LONGER USED FOR TELECOMMUNICATIONS PURPOSES FOR A CONTINUOUS PERIOD OF ONE (1) YEAR, THEY SHALL BE REMOVED BY THE ANTENNA OWNER AT OWNER'S EXPENSE.
- NO WATER OR SANITARY UTILITIES ARE REQUIRED FOR THE OPERATION OF THIS FACILITY.
- STORMWATER MANAGEMENT NOTE: NO STORMWATER MANAGEMENT IS REQUIRED FOR THIS SITE.
- BOUNDARY SHOWN PER COUNTY RECORDS.
- THIS PLAN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. PLAN IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.
- ALL DETAILS SHOWN ARE "STANDARD" OR "TYPICAL" FOR REFERENCE ONLY. FOR ACTUAL DETAILS, SEE ARCHITECTURAL, STRUCTURAL, OR CONSTRUCTION PLANS BY OTHERS.
- STRUCTURAL ANALYSIS/DESIGN TO BE PERFORMED BY OTHERS AT CLIENT AND/OR OWNER'S DISCRETION PRIOR TO COMMENCEMENT OF ANY WORK.
- THE COMMUNICATION EQUIPMENT SHALL BE UNMANNED, WITH INFREQUENT VISITS (FOUR OR FEWER PER YEAR) BY MAINTENANCE PERSONNEL, AND WITH ACCESS AND PARKING FOR NO MORE THAN ONE VEHICLE. THE PROPOSED FACILITY IS NOT FOR HUMAN HABITATION AND THEREFORE HANDICAP ACCESS IS NOT REQUIRED.
- THE PROPOSED COMMUNICATIONS EQUIPMENT, ANTENNAS AND RELATED MOUNTING DEVICES DO NOT EXCEED TWELVE (12) FEET IN TOTAL HEIGHT.

**GENERAL NOTES**

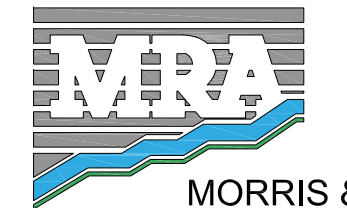
- CONTRACTOR SHALL NOTIFY "MISS UTILITY" (811) 48 HOURS PRIOR TO DOING ANY EXCAVATION IN THIS AREA. CONTRACTOR SHALL CONTACT A SUBSURFACE UTILITY LOCATOR FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL VERIFY EXISTING UTILITY LOCATIONS BY TEST PIT AS NECESSARY. LOCATION OF UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND FOR PLANNING PURPOSES ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. DAMAGE TO UTILITIES OR PROPERTY OF OTHER BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO PRECONSTRUCTION CONDITIONS BY THE CONTRACTOR.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND ORDINANCES, THE LATEST EDITION THEREOF.
- ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
- CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS WITH APPROPRIATE UTILITY OWNERS.
- THESE PLANS ARE NOT FOR RECORDATION OR CONVEYANCE.
- EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY CONTRACTOR (WHICH ARE NOT TO BE REMOVED) SHALL BE REPAIRED TO PRECONSTRUCTION CONDITIONS BY THE CONTRACTOR.



**SITE PLAN**  
SCALE: 1" = 60'-0"



7150 STANDARD DRIVE  
HANOVER, MD 21076



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REVIEWED BY:	RJD
ORIGINAL DATE:	06/22/2023
MRA PROJECT #:	18291.213



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**SHEET TITLE**

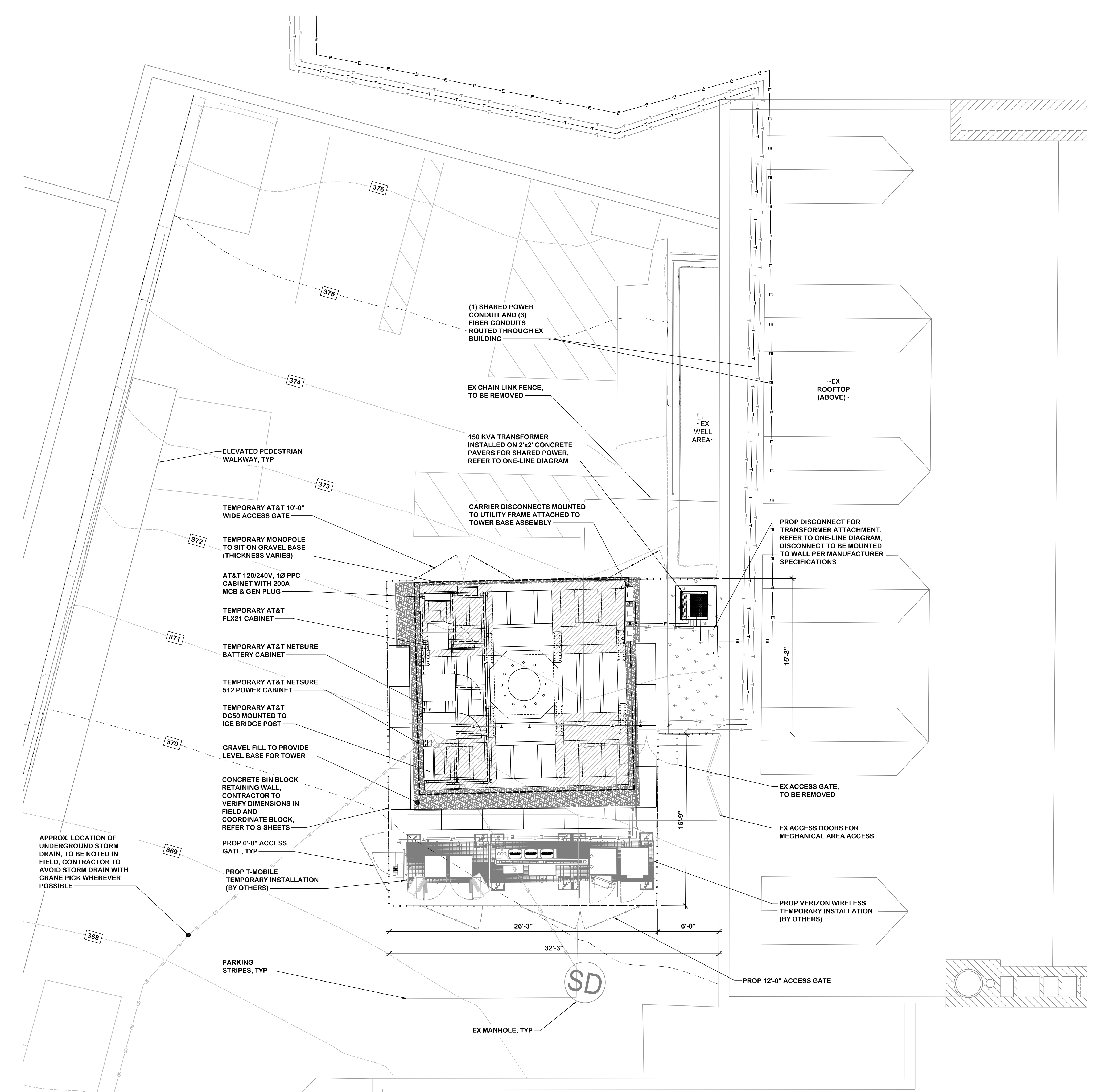
Site Plan

**SHEET NUMBER**

C-1



A B C D E F G H J K L M N P Q



**ENLARGED COMPOUND LAYOUT**  
SCALE: 1" = 5'-0"



**MRA**  
MORRIS & RITCHIE ASSOCIATES, INC.  
Civil / Structural Engineers  
12204 East Joyce Road, Suite 400K  
Towson, Maryland 21286  
Office: (410) 821-1690  
Fax: (410) 821-1748

**smartlink**  
1997 ANNAPOLIS EXCHANGE PARKWAY, SUITE 200  
ANNAPOLIS, MD 21401  
PHONE: (410) 263-5465  
FAX: (410) 220-2962

**SITE ID:** SIMD010145  
**SITE NAME:** DUNNAVANT RELO FOR BOYER PLACE (YESHIVA TEMP) (FA NUMBER: 12573579)  
**SITE ADDRESS:** 2010 LINDEN LANE SILVER SPRING, MD 20910 MONTGOMERY COUNTY

REVISION BLOCK		
NO.	DESCRIPTION	DATE
Δ	TELCO REVISION	03/21/24
	RETAINING WALL	12/18/23
	COUNTY COMMENTS	08/15/23
	COUNTY COMMENTS	07/20/23
	PERMIT DWGS	07/13/23



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I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 322384, EXPIRATION DATE: 11/10/2025.

**DRAWN BY:** AJL  
**DESIGNED BY:** AJL  
**REVIEWED BY:** RJD  
**ORIGINAL DATE:** 06/22/2023  
**MRA PROJECT #:** 18291.213

**811**  
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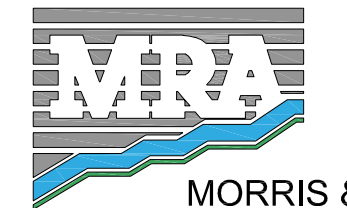
**SHEET TITLE**  
Enlarged Compound Plan  
**SHEET NUMBER**

**C-2**





7150 STANDARD DRIVE  
HANOVER, MD 21076



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**DRAWN BY:** AJL  
**DESIGNED BY:** AJL  
**REVIEWED BY:** RJD  
**ORIGINAL DATE:** 06/22/2023  
**MRA PROJECT #:** 18291.213



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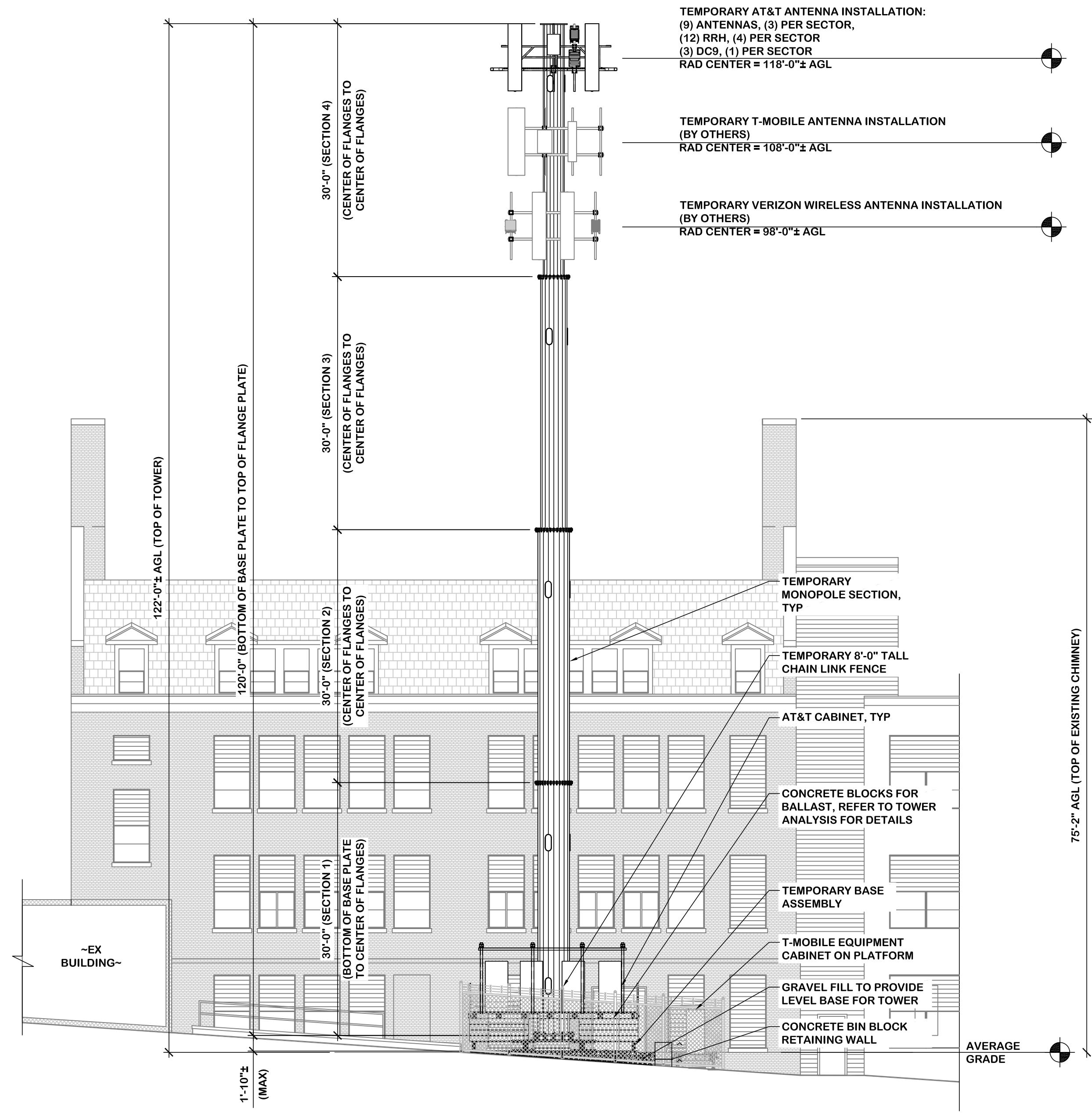
PROTECT YOURSELF. GIVE THREE WORKING DAYS NOTICE.  
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**SHEET TITLE**  
Tower Elevation & Antenna Sector Plan

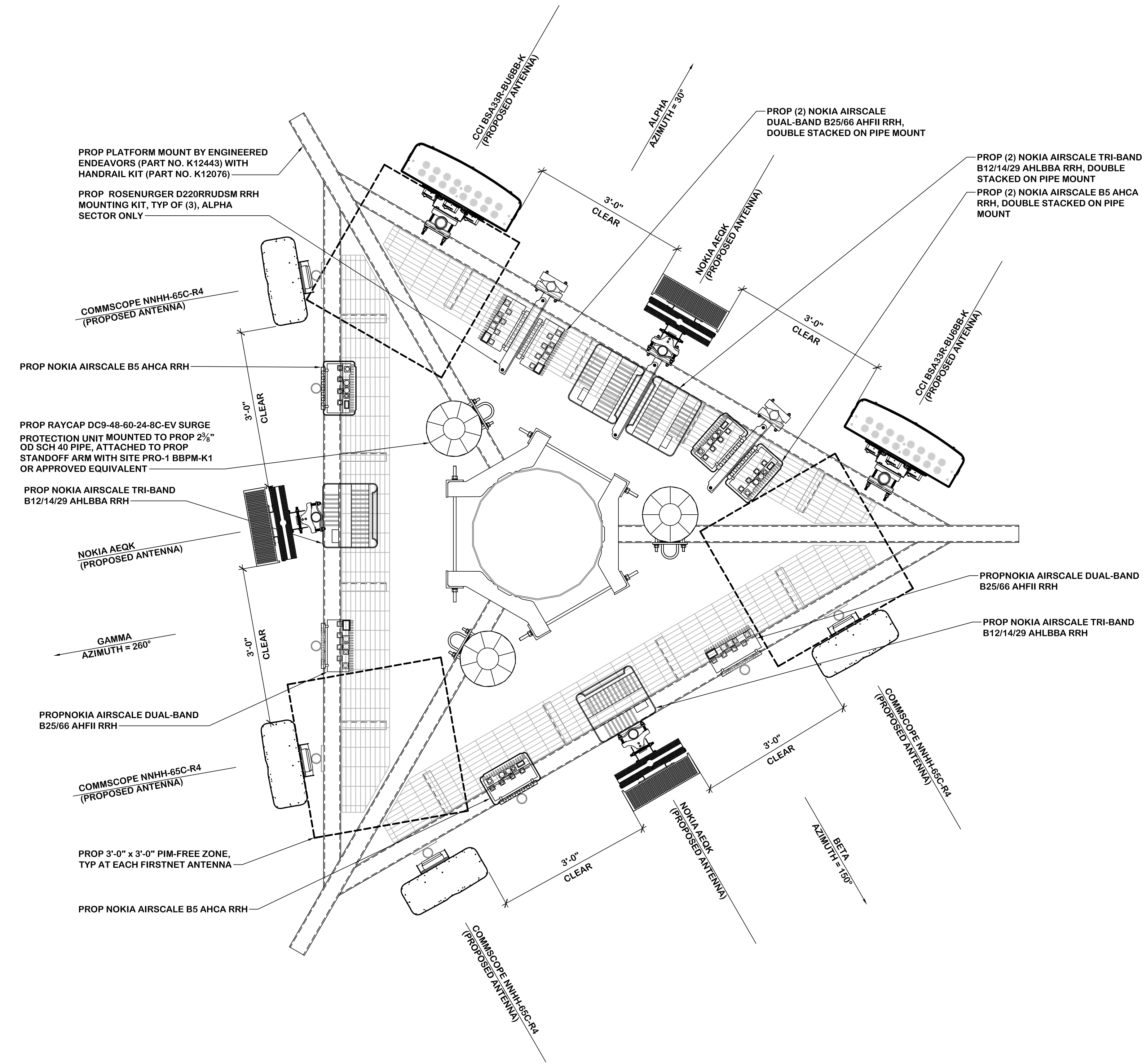
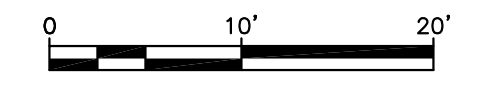
**SHEET NUMBER**

C-3

**NOTE:**  
THE RAD CENTER FOR THE CCI AND COMSCOPE ANTENNA IS 118'-0"± AND 119'-6"± FOR THE NOKIA ANTENNA IN ALL SECTORS.



**PROPOSED MONOPOLE ELEVATION**  
SCALE: 1" = 10'-0"



**PROPOSED AT&T ANTENNA SECTOR LAYOUT**  
SCALE: 3/4" = 1'-0"

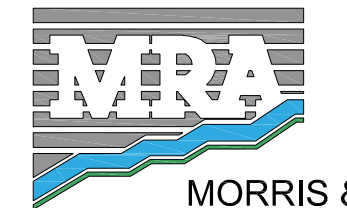




A B C D E F G H J K L M N P Q



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SHEET TITLE

Antenna Schedule

SHEET NUMBER

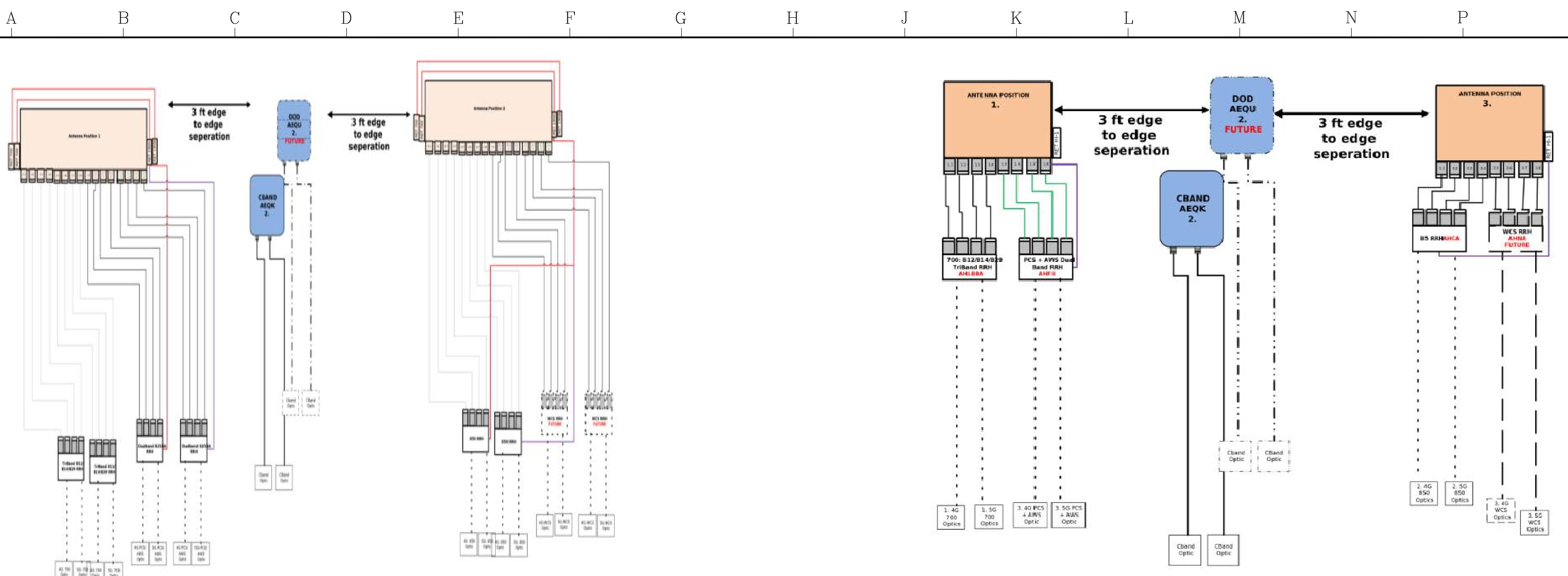
C-4

**AT&T PROPOSED ANTENNA SCHEDULE**

SECTOR	POS	MANUFACTURER	MODEL #	ANTENNA DIMENSIONS	AZIMUTH	RAD CENTER (FT)	TMA / RRH QUANTITY & MODEL NO	CABLE QUANTITY & TYPE	CABLE LENGTH		
ALPHA SECTOR	1	CCI	BSA33R-BU6BB-K	71.0"H x 28.5"W x 9.7"D	30°	118'-0"±	(2) NOKIA B14/12/29 TRIBAND RRH AHLBBA (2) NOKIA DUAL RRH 4T4R B25/66 320W AHFIB	(3) 24 PR FIBER CABLES & (9) 6/C DC POWER CABLES	140'-0"± VERIFY IN FIELD		
	2	NOKIA	AEQK AIRSCALE	29.5"H x 17.7"W x 9.5"H	30°	119'-5"±	N/A - RRH INTEGRAL TO ANTENNAS				
	3	CCI	BSA33R-BU6BB-K	71.0"H x 28.5"W x 9.7"D	30°	118'-0"±	(2) NOKIA AIRSCALE RRH 4T4R B5 160W AHCA				
BETA SECTOR	1	COMMSCOPE	NNHH-65C-R4	96.0"H x 19.6"W x 8.2"D	150°	118'-0"±	NOKIA B14/12/29 TRIBAND RRH AHLBBA NOKIA DUAL RRH 4T4R B25/66 320W AHFIB		(3) 24 PR FIBER CABLES & (9) 6/C DC POWER CABLES	140'-0"± VERIFY IN FIELD	
	2	NOKIA	AEQK AIRSCALE	29.5"H x 17.7"W x 9.5"H	150°	119'-5"±	N/A - RRH INTEGRAL TO ANTENNAS				
	3	COMMSCOPE	NNHH-65C-R4	96.0"H x 19.6"W x 8.2"D	150°	118'-0"±	NOKIA AIRSCALE RRH 4T4R B5 160W AHCA				
GAMMA SECTOR	1	COMMSCOPE	NNHH-65C-R4	96.0"H x 19.6"W x 8.2"D	260°	118'-0"±	NOKIA B14/12/29 TRIBAND RRH AHLBBA NOKIA DUAL RRH 4T4R B25/66 320W AHFIB			(3) 24 PR FIBER CABLES & (9) 6/C DC POWER CABLES	140'-0"± VERIFY IN FIELD
	2	NOKIA	AEQK AIRSCALE	29.5"H x 17.7"W x 9.5"H	260°	119'-5"±	N/A - RRH INTEGRAL TO ANTENNAS				
	3	COMMSCOPE	NNHH-65C-R4	96.0"H x 19.6"W x 8.2"D	260°	118'-0"±	NOKIA AIRSCALE RRH 4T4R B5 160W AHCA				

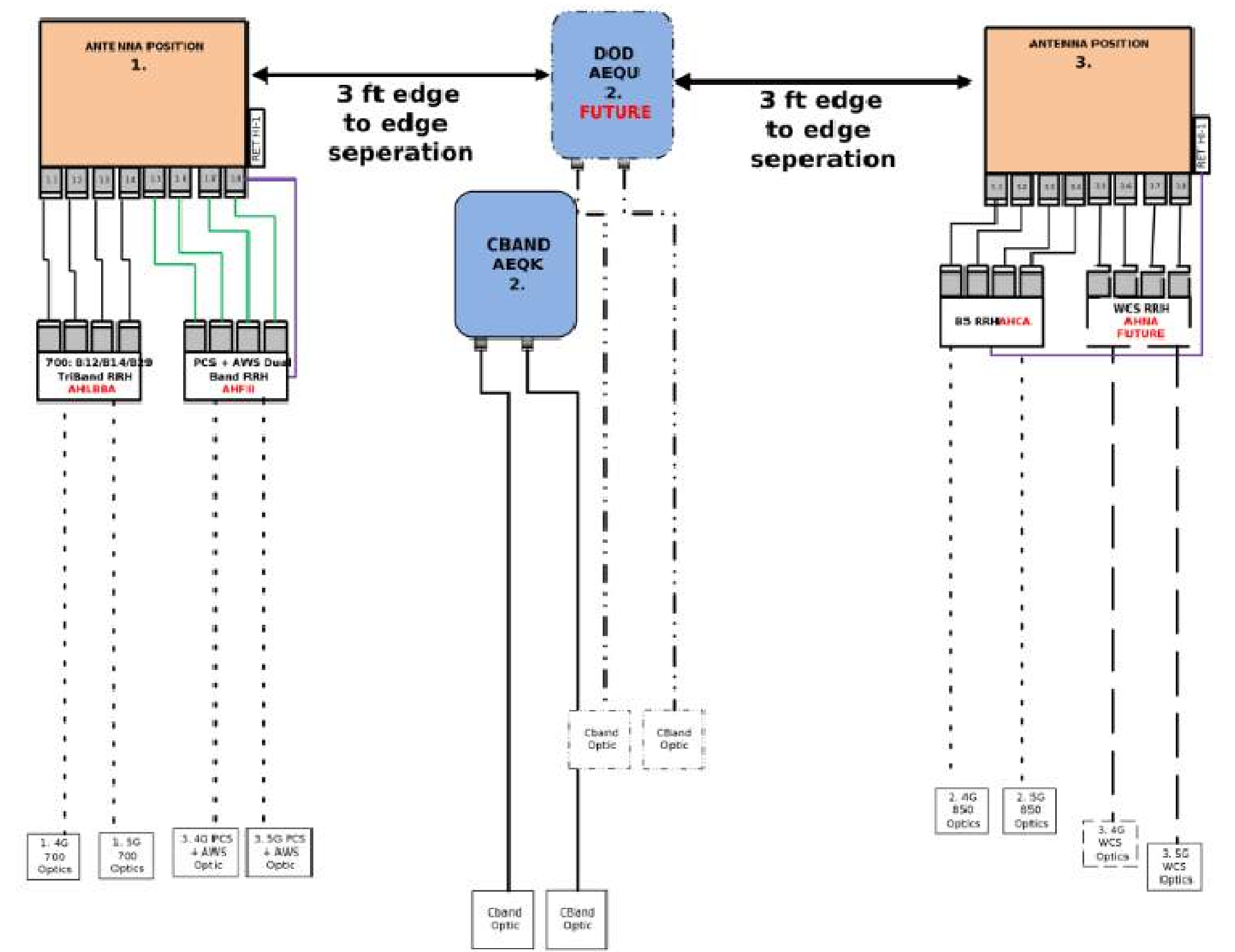
**NOTE: ANTENNA SCHEDULE SHOWN BASED ON YELLOW SHEET PROVIDED BY AT&T; SITE NAME: BOYER PLACE TEMP, VERSION 1.0, DATED 04/19/2023**





ALPHA SECTOR

BETA SECTOR



GAMMA SECTOR

**PROPOSED AT&T PLUMBING DIAGRAM**  
NO SCALE

NOTE: PLUMBING DIAGRAM SHOWN BASED ON YELLOW SHEET PROVIDED BY AT&T; SITE NAME: BOYER PLACE TEMP. VERSION 1.0, DATED 04/19/2023



7150 STANDARD DRIVE  
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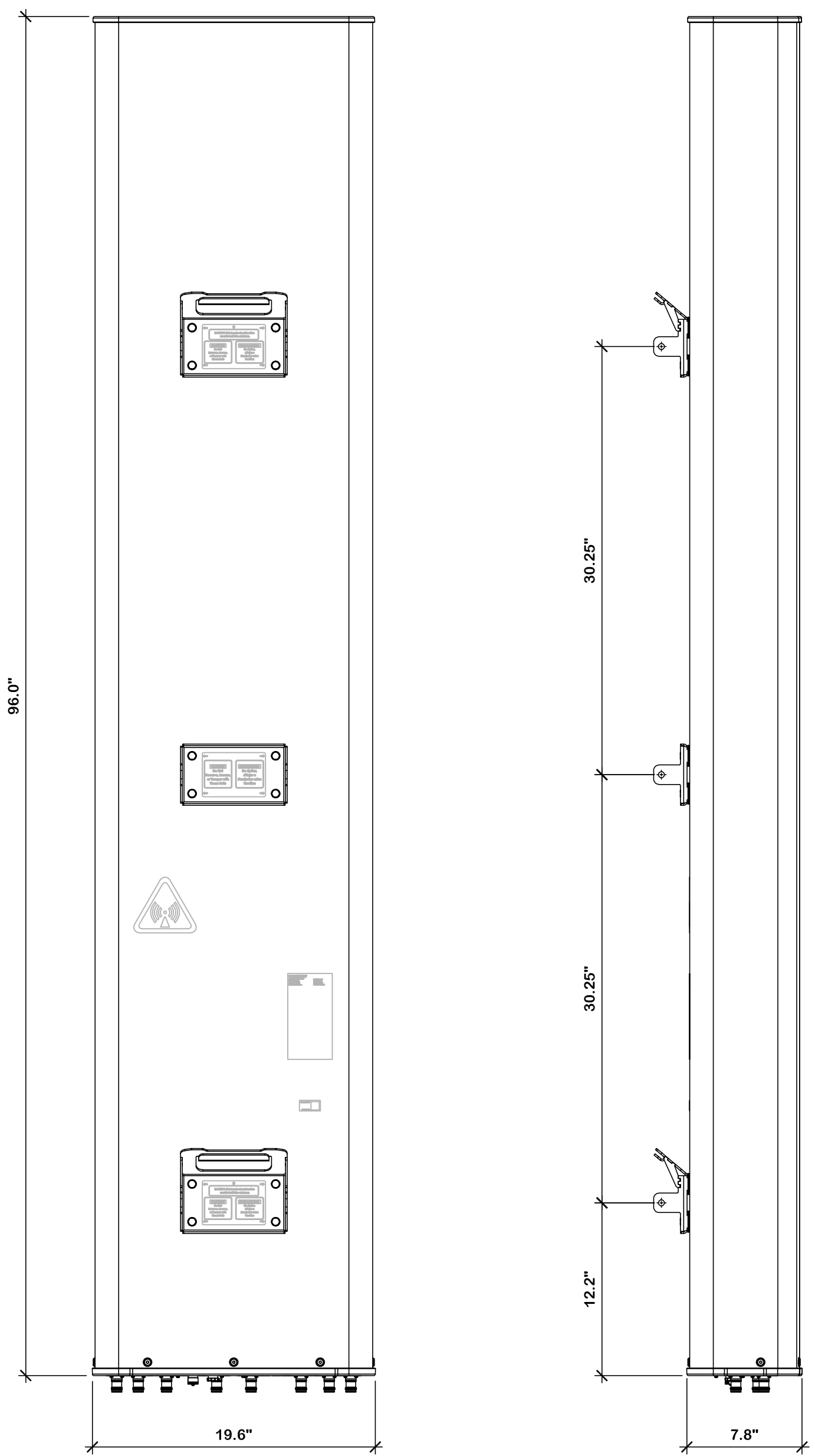
SHEET TITLE  
**Plumbing Diagrams**

SHEET NUMBER

**C-5**

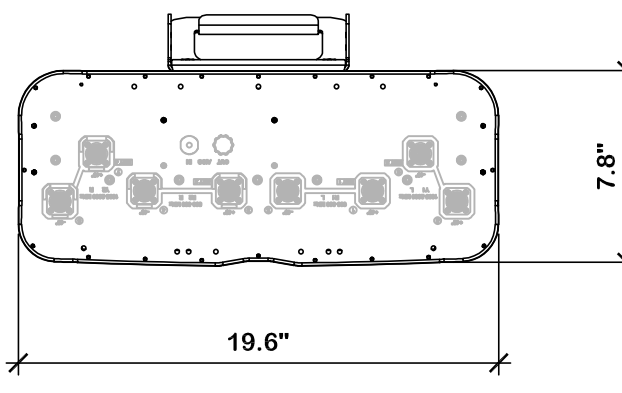


A B C D E F G H J K L M N P Q



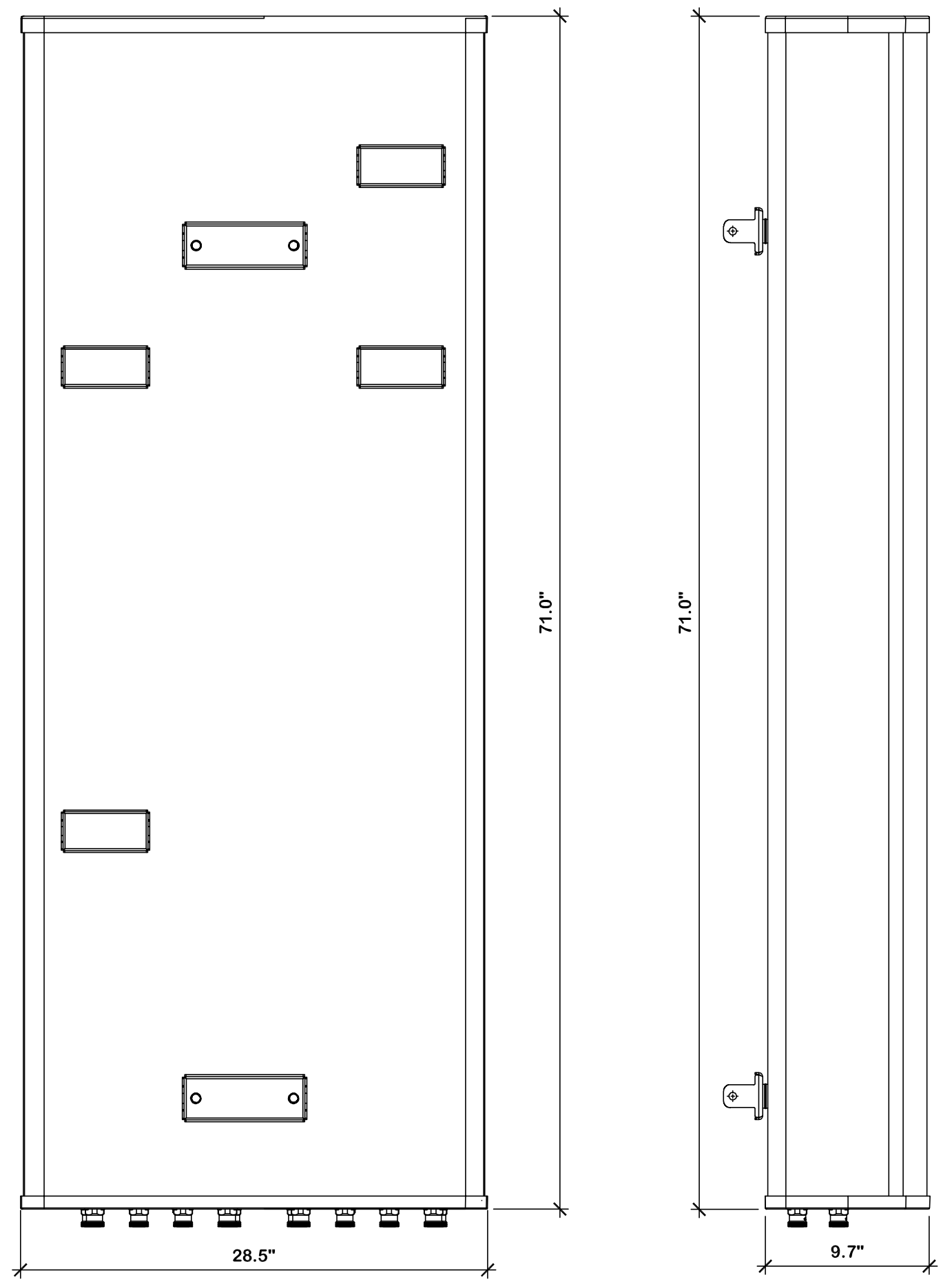
REAR VIEW

SIDE VIEW



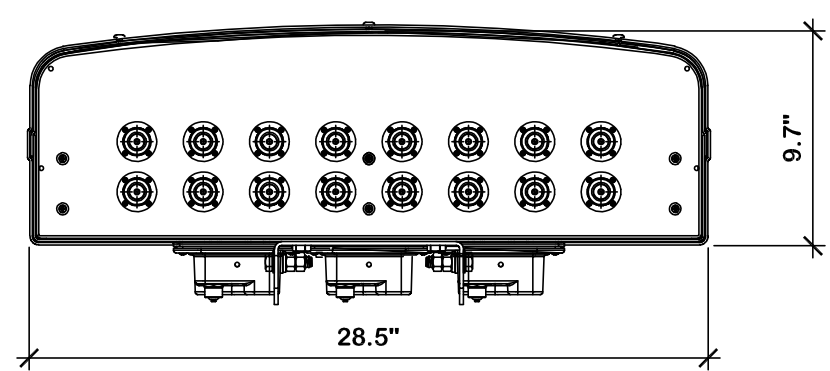
BOTTOM VIEW

**COMMSCOPE NNHH-65C-R4 DETAIL**  
NOT TO SCALE  
ANTENNA WEIGHT: 99.2 LBS



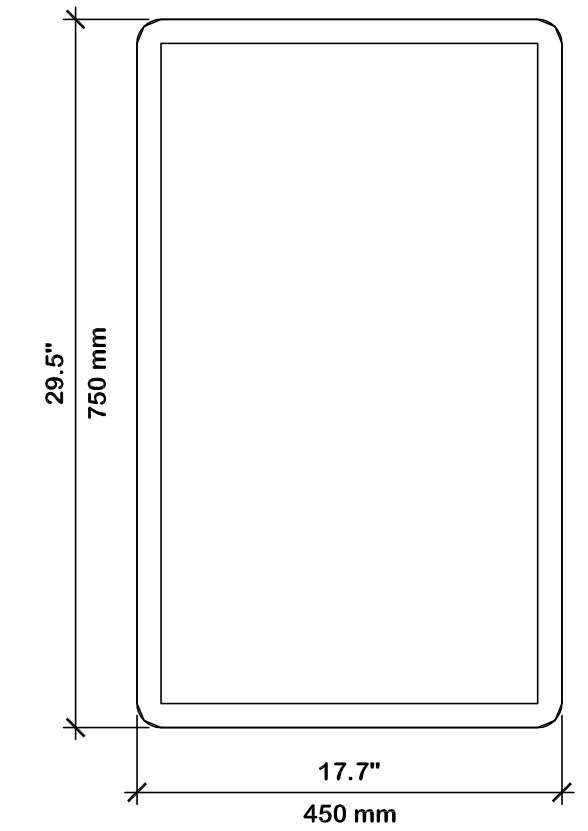
REAR VIEW

SIDE VIEW

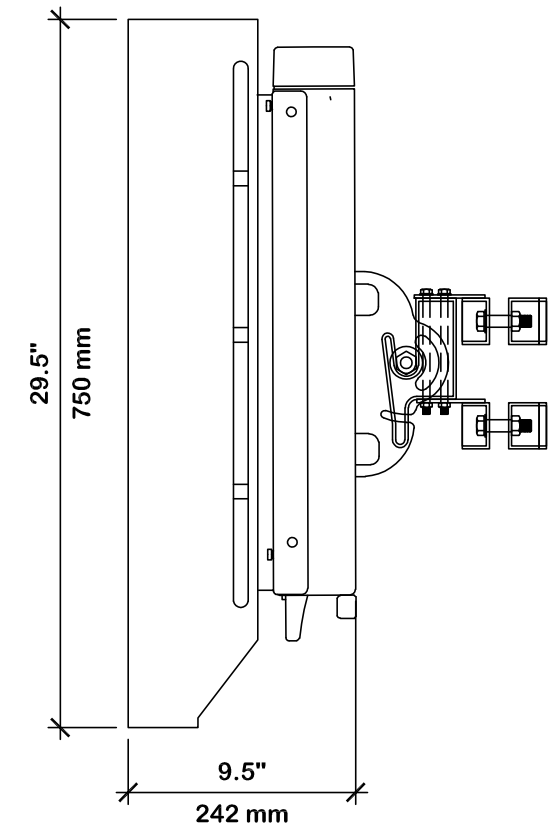


BOTTOM VIEW

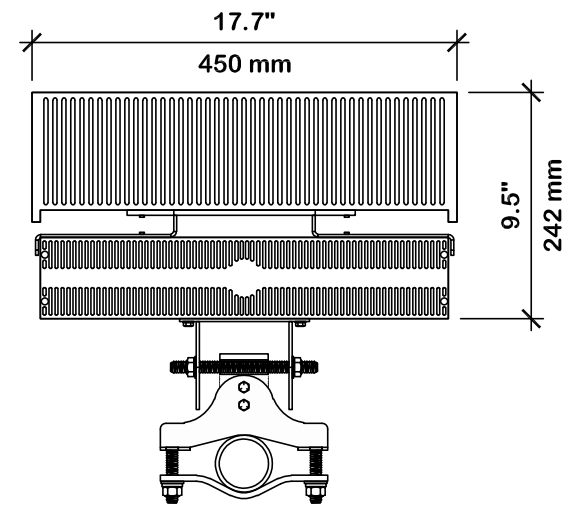
**CCI BSA33R-BU6BB-K DETAIL**  
NOT TO SCALE  
ANTENNA WEIGHT: 125.2 LBS  
(W/O BRACKET)



REAR VIEW



SIDE VIEW

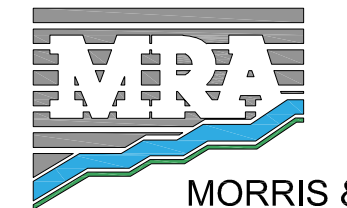


BOTTOM VIEW

**NOKIA AEQK AIRSCALE MAA 64T64R 192AE n77 200W**  
NOT TO SCALE  
ANTENNA WEIGHT: 99.2 LBS  
(w/o BRACKET)



7150 STANDARD DRIVE  
HANOVER, MD 21076



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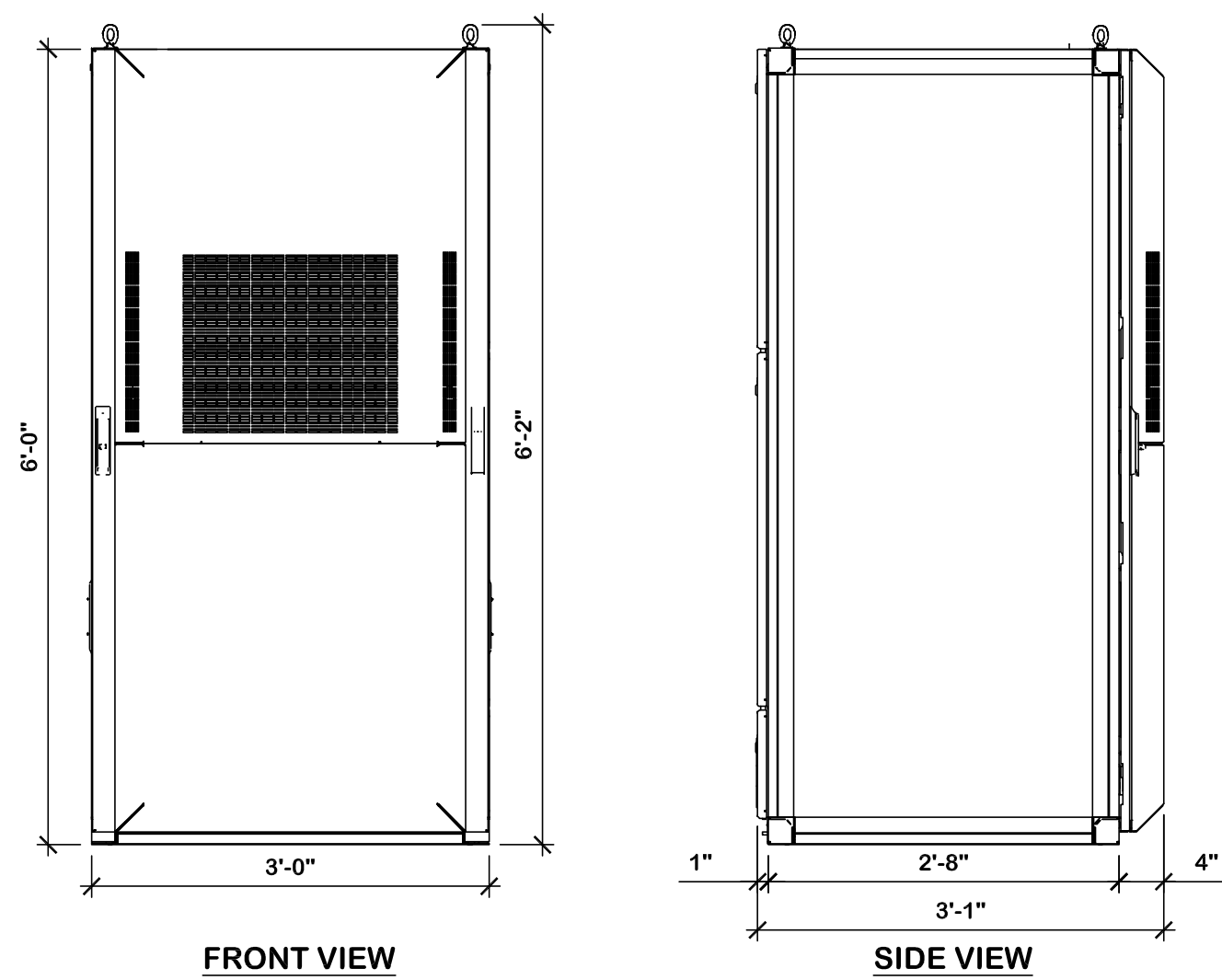
**SHEET TITLE**

Antenna Details

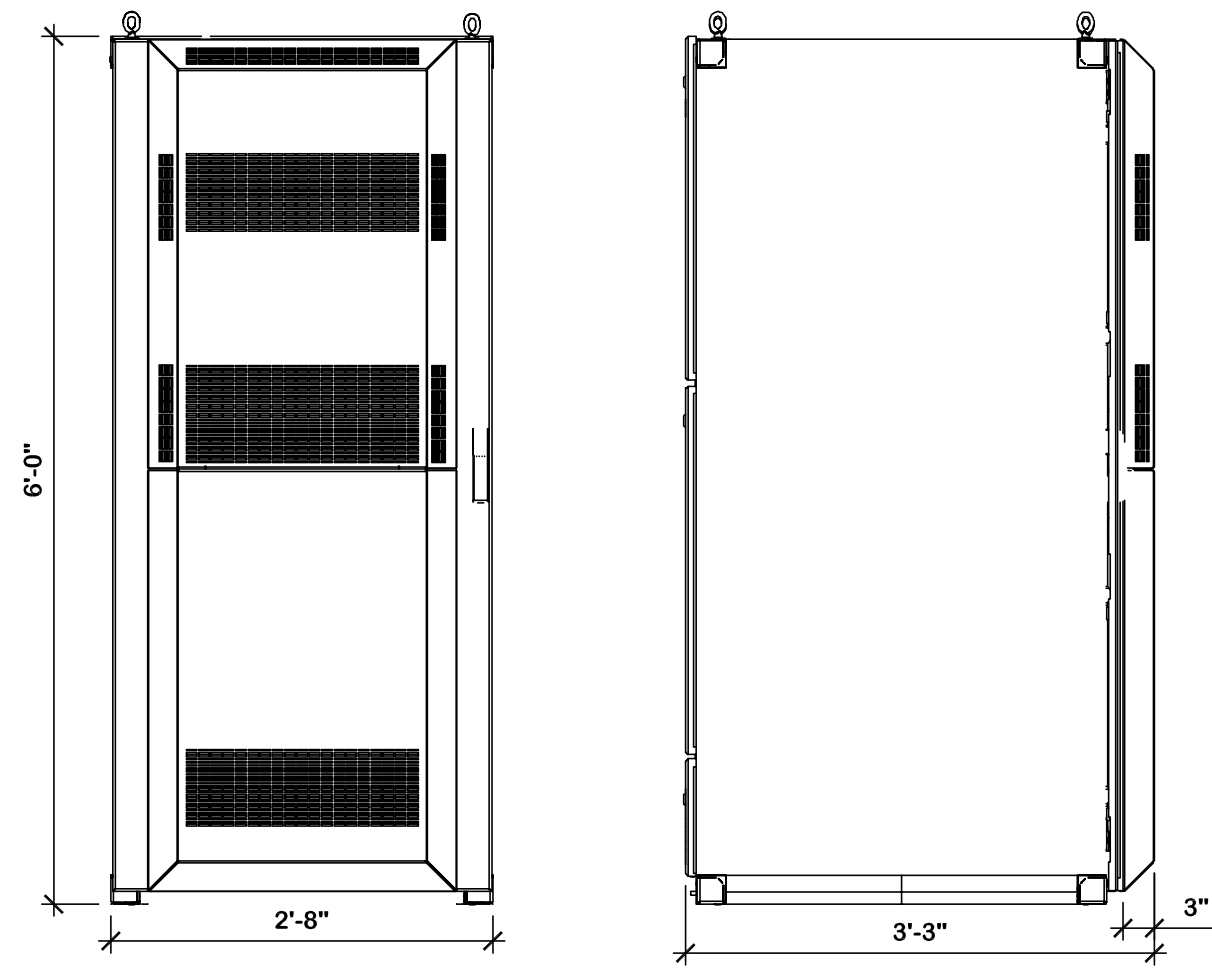
**SHEET NUMBER**

C-6

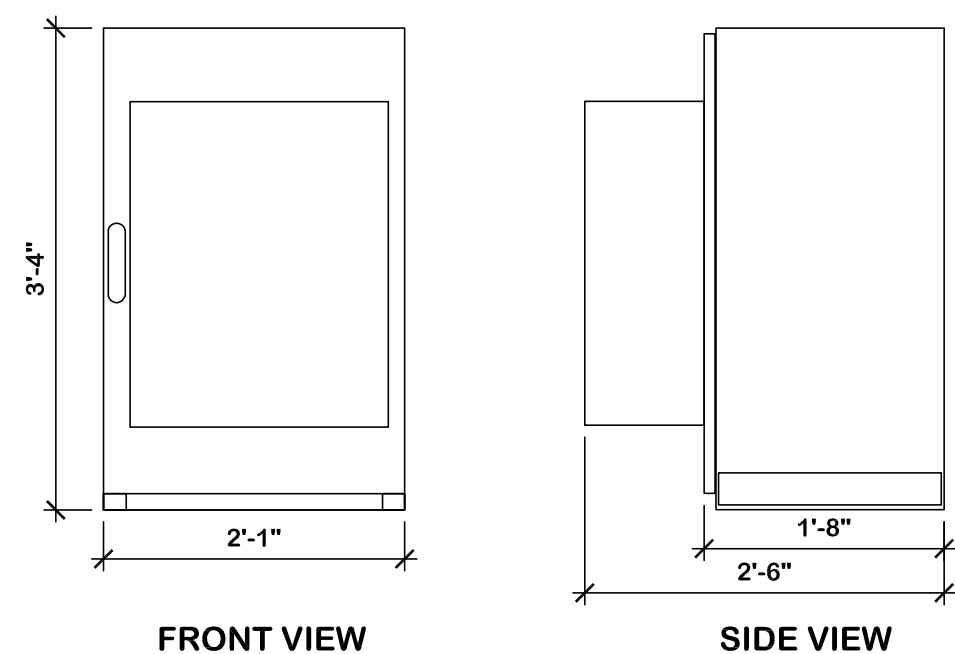




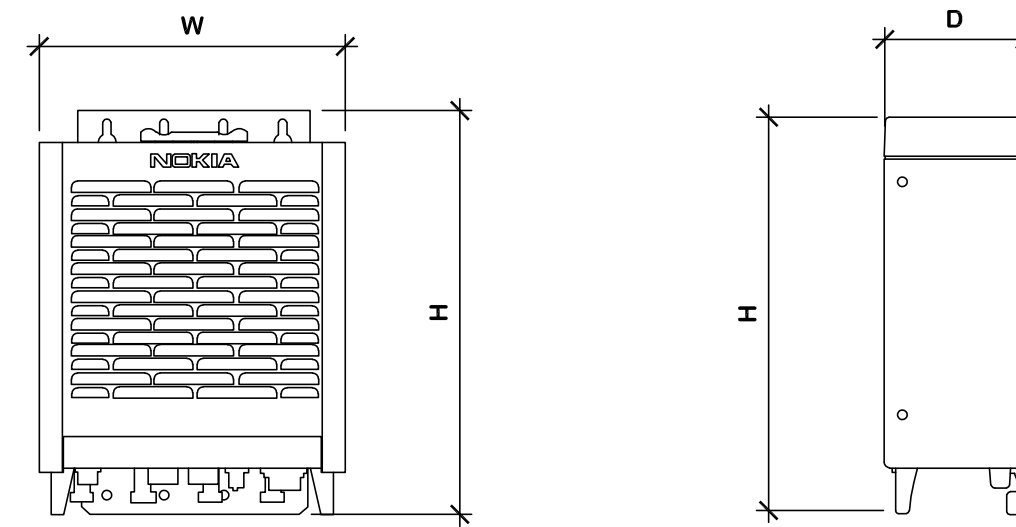
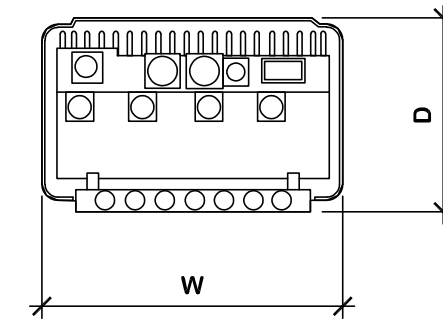
**AT&T NETTEND BATTERY CABINET SPECS**  
SCALE: 3/4" = 1'-0"  
NOTE: CABINET WEIGHT: 816 LBS



**AT&T NETSURE 512 DC POWER CABINET SPECS**  
SCALE: 3/4" = 1'-0"  
NOTE: CABINET WEIGHT: 752 LBS

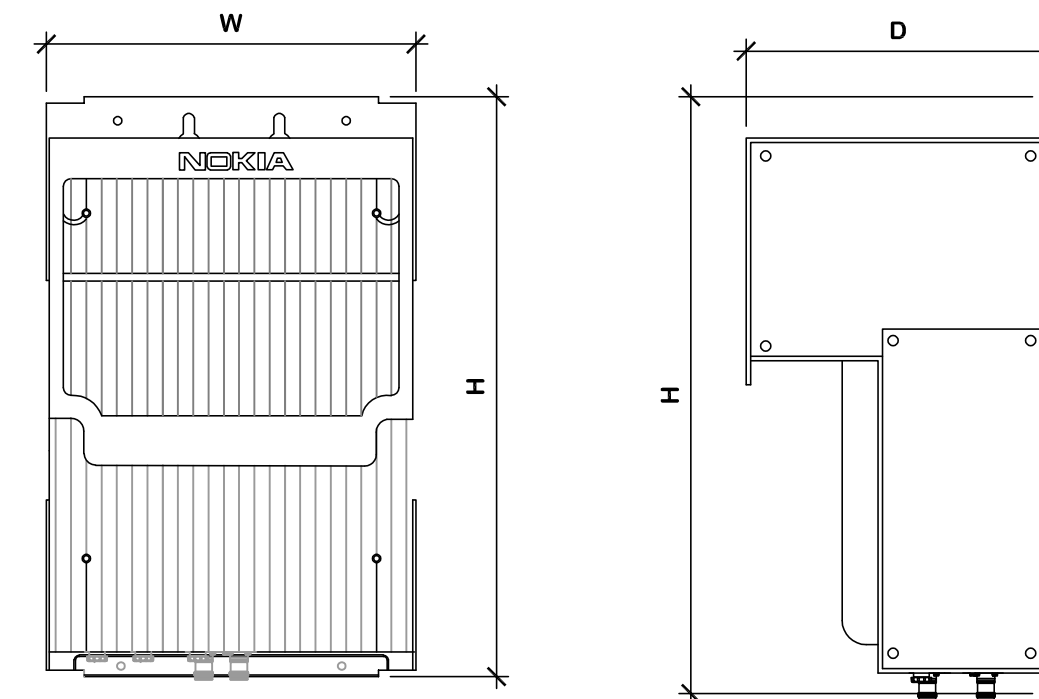
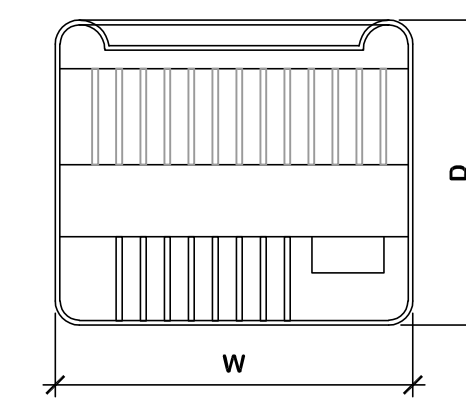


**AT&T FLX21-250 EQUIPMENT CABINET SPECS**  
SCALE: 3/4" = 1'-0"  
NOTE: CABINET WEIGHT: 150LBS



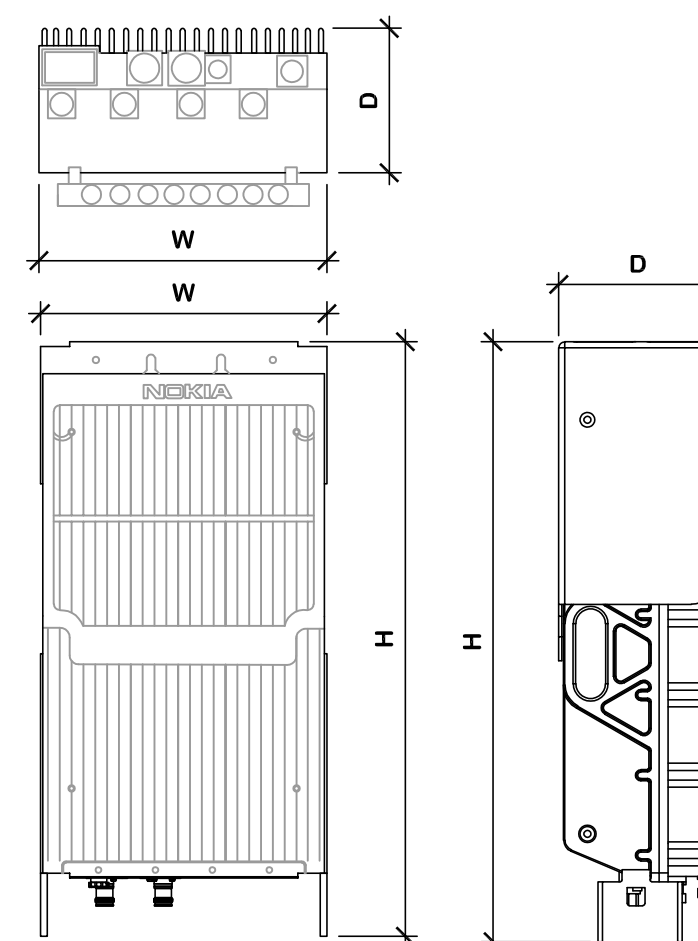
SIZE & WEIGHT TABLE				
MODEL NO.	HEIGHT ("H")	WIDTH ("W")	DEPTH ("D")	TECHNOLOGY
4T4R B5	13.3"	11.6"	6.5"	850 MHz
RRH WEIGHT: 35.3 LBS				

**NOKIA AIRSCALE RRH 4T4R B5 160W AHCA RRH DETAIL**  
NOT TO SCALE



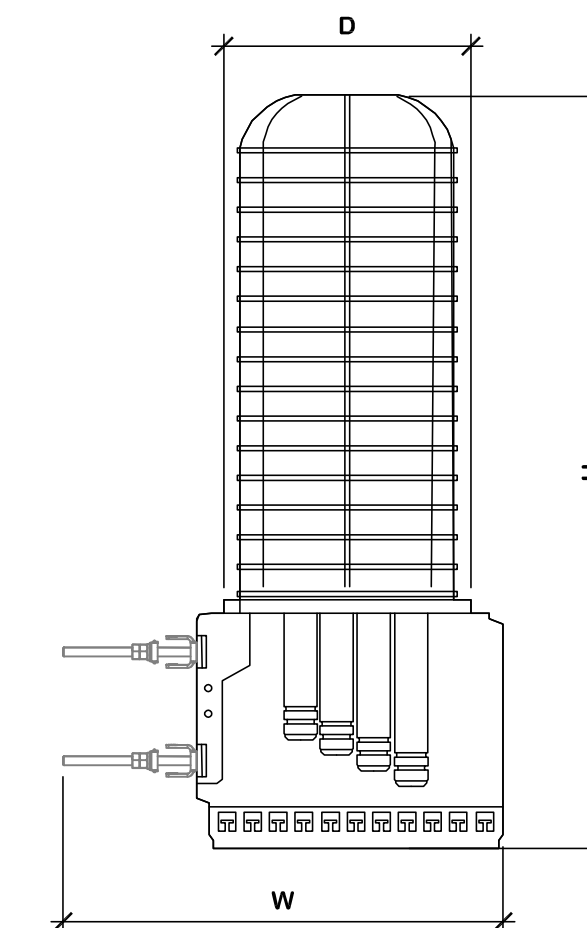
SIZE & WEIGHT TABLE				
MODEL NO.	HEIGHT ("H")	WIDTH ("W")	DEPTH ("D")	TECHNOLOGY
B12/14/29 AHLBBA	24.0"	14.9"	12.7"	LOW BAND
RRH WEIGHT: <100 LBS				

**NOKIA AIRSCALE DUAL RRH 4T4R B12/14/29 1330W AHLBBA DETAIL**  
NOT TO SCALE



SIZE & WEIGHT TABLE				
MODEL NO.	HEIGHT ("H")	WIDTH ("W")	DEPTH ("D")	TECHNOLOGY
B25/66 AHFII	25.1"	13.5"	4.6"	HIGH BAND
RRH WEIGHT: 70.5 LBS				

**NOKIA AIRSCALE DUAL RRH 4T4R B25/66 480W AHFII DETAIL**  
NOT TO SCALE

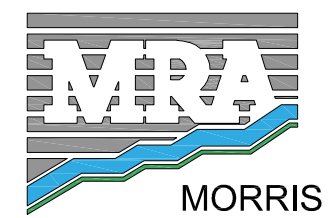


SIZE & WEIGHT TABLE				
MODEL NO.	HEIGHT ("H")	WIDTH ("W")	DEPTH ("D")	TECHNOLOGY
DC9-48-60-24 8C-EV (SQUID)	31.4"	18.28"	10.24"	SURGE PROTECTION UNIT
EQUIPMENT WEIGHT: 26.2 LBS				

**RAYCAP DC9-48-60-24-8C-EV (SQUID) SURGE PROTECTOR DETAIL**  
NOT TO SCALE



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**SHEET TITLE**

**Equipment Details**

**SHEET NUMBER**

**C-7**





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SITE ADDRESS:  
2010 LINDEN LANE  
SILVER SPRING, MD 20910  
MONTGOMERY COUNTY

REVISION BLOCK

NO.	DESCRIPTION	DATE
△	TELCO REVISION	03/21/24
	RETAINING WALL	12/18/23
	COUNTY COMMENTS	08/15/23
	COUNTY COMMENTS	07/20/23
	PERMIT DWGS	07/13/23



PROFESSIONAL CERTIFICATION  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 322384, EXPIRATION DATE: 11/10/2025.

DRAWN BY: AJL  
DESIGNED BY: AJL  
REVIEWED BY: RJD  
ORIGINAL DATE: 06/22/2023  
MRA PROJECT #: 18291.213



Know what's below.  
Call before you dig.

PROTECT YOURSELF, GIVE THREE WORKING DAYS NOTICE  
THIS DRAWING DOES NOT INCLUDE NECESSARY COMMENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPURTENANT.

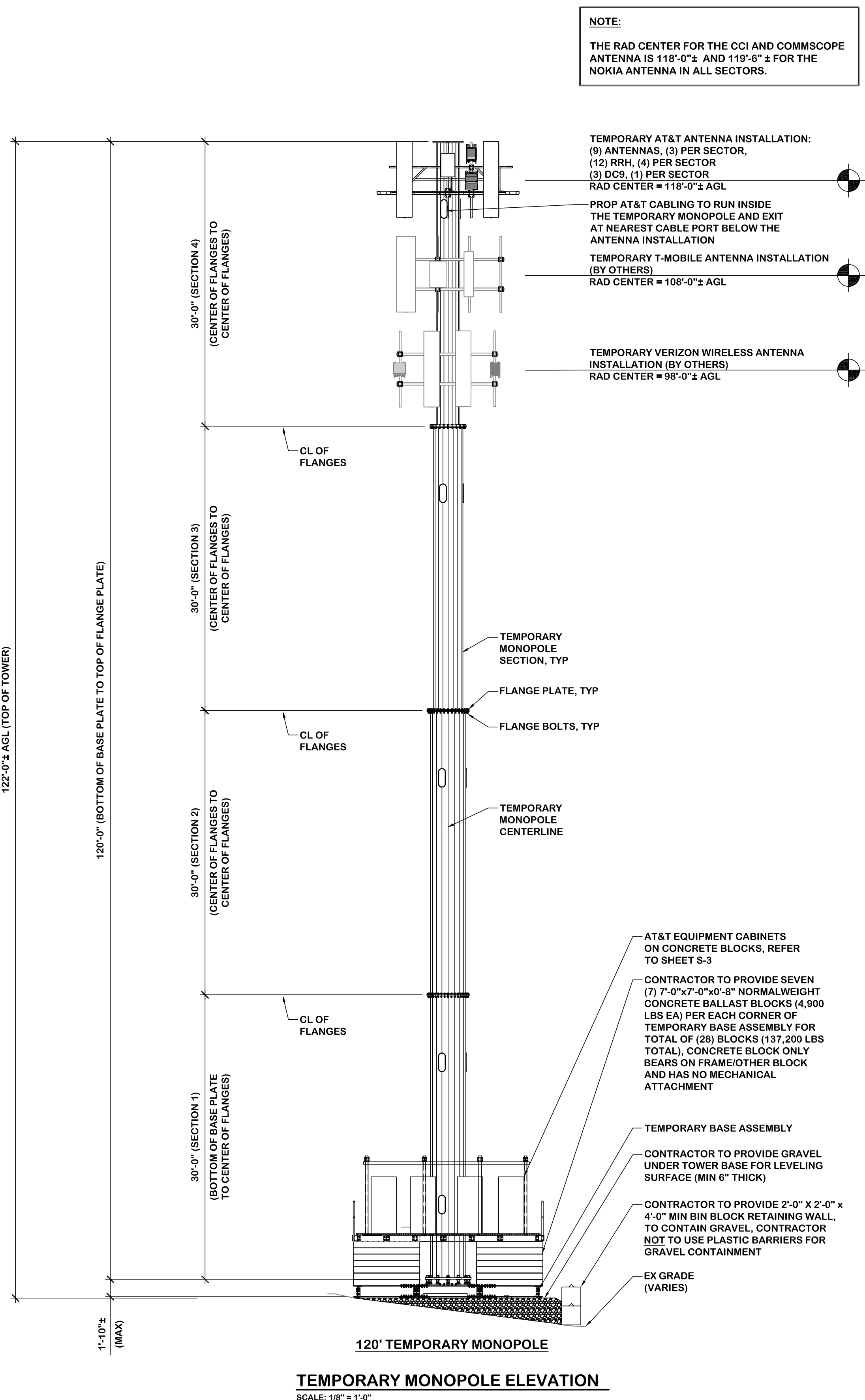
SHEET TITLE

Temporary Pole  
Elevation &  
Platform Details

SHEET NUMBER

S-1

A B C D E F G H J K L M N P Q



122'-0"± AGL (TOP OF TOWER)

1'-10"± (MAX)

120'-0" (BOTTOM OF BASE PLATE TO TOP OF FLANGE PLATE)

30'-0" (SECTION 1)  
(BOTTOM OF BASE PLATE TO CENTER OF FLANGES)

30'-0" (SECTION 2)  
(CENTER OF FLANGES TO CENTER OF FLANGES)

30'-0" (SECTION 3)  
(CENTER OF FLANGES TO CENTER OF FLANGES)

30'-0" (SECTION 4)  
(CENTER OF FLANGES TO CENTER OF FLANGES)

CL OF FLANGES

CL OF FLANGES

CL OF FLANGES

CL OF FLANGES

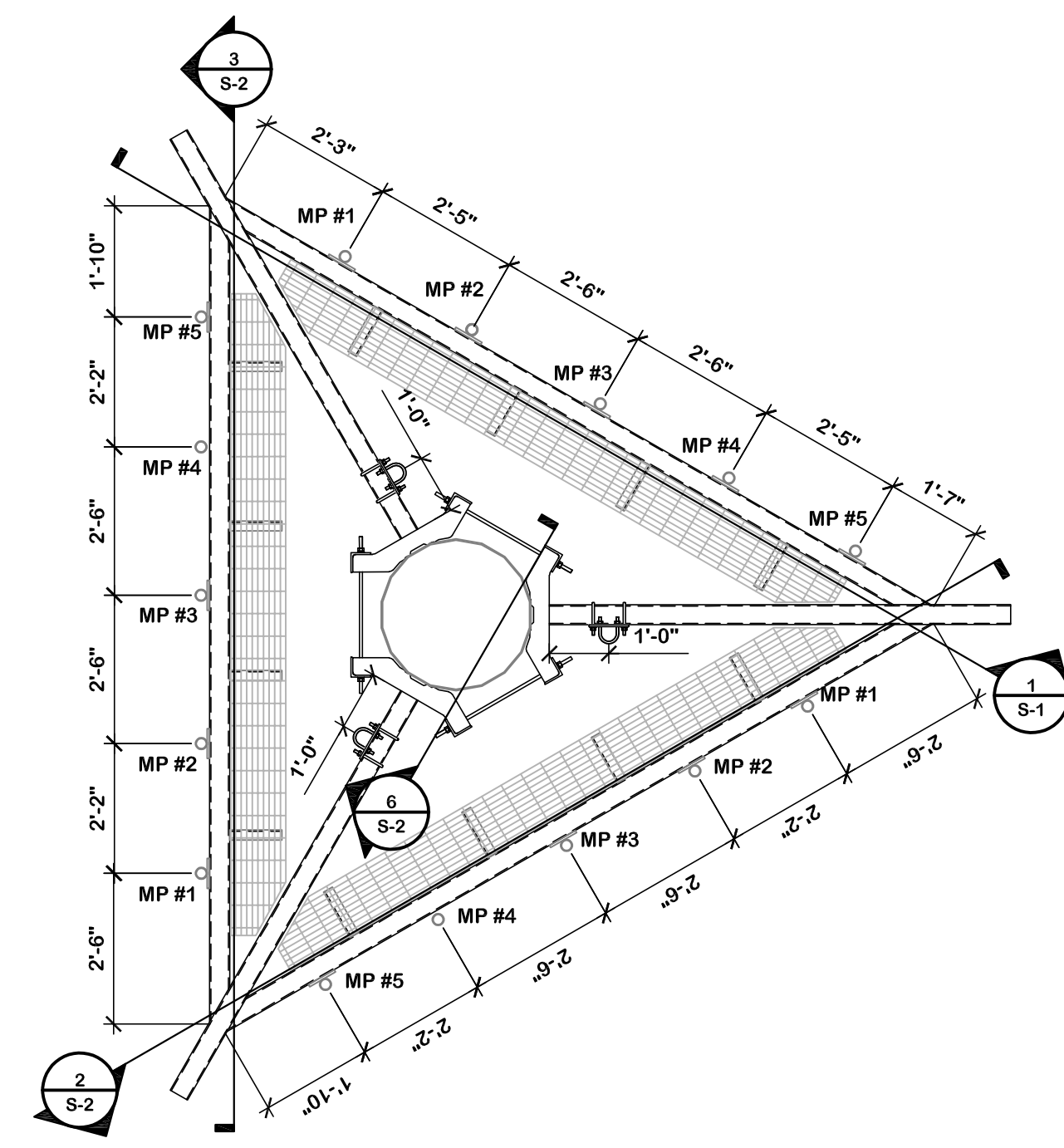
CL OF FLANGES

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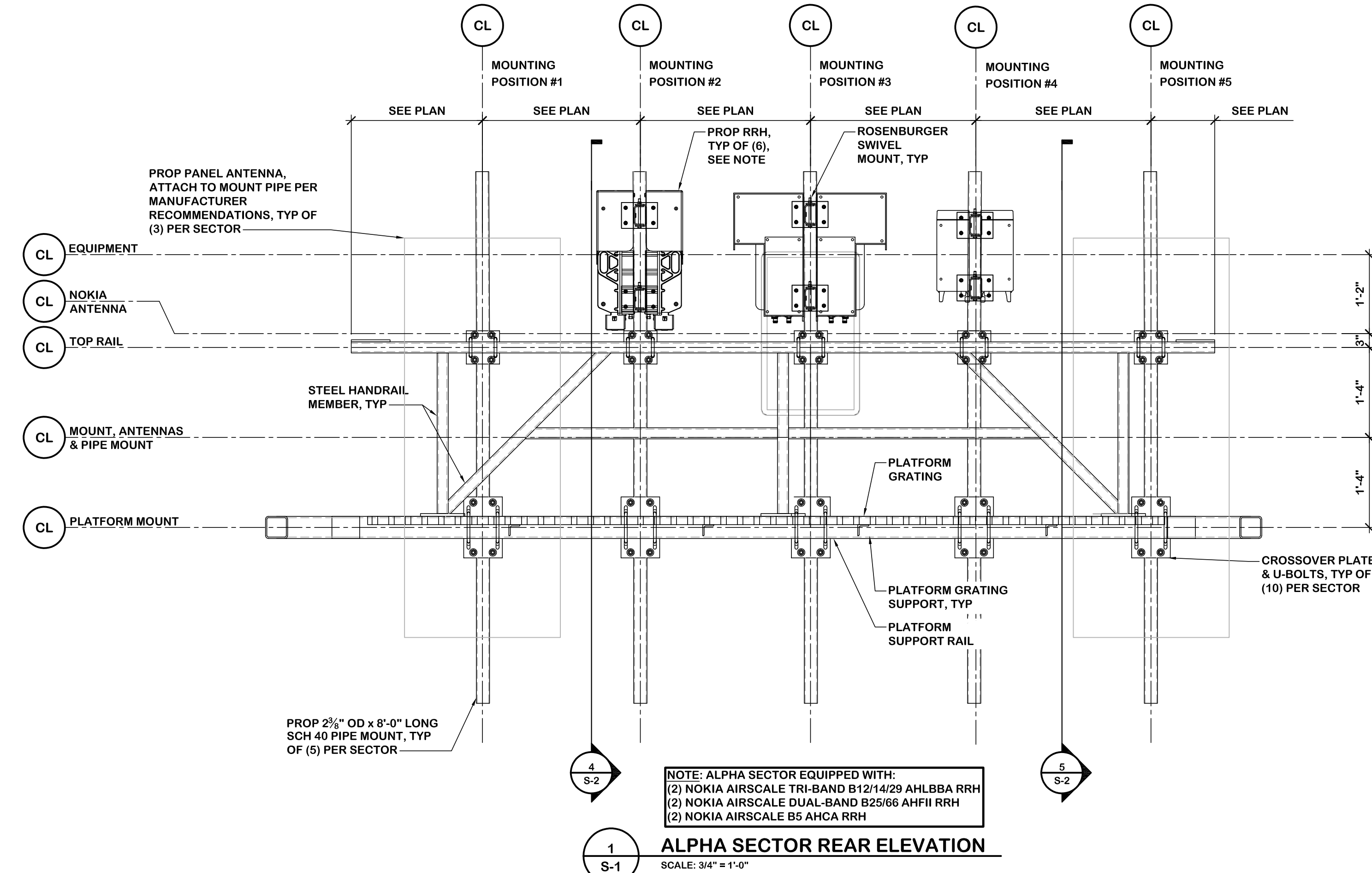
CL OF FLANGES

CL OF FLANGES

CL OF FLANGES



- NOTES:
- ALL PROPOSED ANTENNAS & ANCILLARY EQUIPMENT (RRH'S, DISTRIBUTION BOXES, ETC.) MUST BE INSTALLED AS SHOWN.
  - ALL APPURTENANCES MUST BE MOUNTED TO A DESIGNATED MOUNTING POSITION (PIPE MOUNT). APPURTENANCES SHALL NOT BE DIRECTLY MOUNTED TO RAILS, STANDOFFS OR OTHER PORTIONS OF THE MOUNT UNLESS IT IS A DESIGNATED MOUNTING POSITION, UNLESS SHOWN OTHERWISE.
  - ALL APPURTENANCES SHALL BE ATTACHED TO PIPE MOUNT PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
  - ALL NEW STRUCTURAL STEEL, FASTENERS, AND EQUIPMENT MOUNTING HARDWARE TO RECEIVE A HOT-DIPPED GALVANIZED FINISH PRIOR TO INSTALLATION.
  - CABLING NOT SHOWN IN THIS VIEW FOR CLARITY. SEE ELECTRICAL DRAWINGS FOR PLUMBING DIAGRAM.

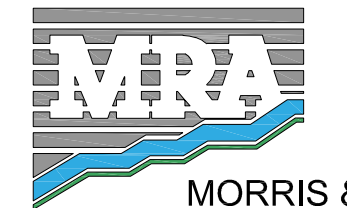


1  
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7150 STANDARD DRIVE  
HANOVER, MD 21076



**MORRIS & RITCHIE ASSOCIATES, INC.**  
Civil / Structural Engineers  
1229-B East Joppa Road, Suite 400K  
Towson, Maryland 21286  
Office: (410) 821-1690  
Fax: (410) 821-1748



1997 ANNAPOLIS EXCHANGE PARKWAY, SUITE 200  
ANNAPOLIS, MD 21401  
PHONE: (410) 263-5465  
FAX: (410) 220-2962

**SITE ID:** SIMD010145  
**SITE NAME:** DUNNAVANT RELO FOR BOYER PLACE (YESHIVA TEMP)  
**(FA NUMBER: 12573579)**  
**SITE ADDRESS:** 2010 LINDEN LANE SILVER SPRING, MD 20910 MONTGOMERY COUNTY

**REVISION BLOCK**

NO.	DESCRIPTION	DATE
Δ	TELCO REVISION	03/21/24
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	PERMIT DWGS	07/13/23



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**DRAWN BY:** AJL  
**DESIGNED BY:** AJL  
**REVIEWED BY:** RJD  
**ORIGINAL DATE:** 06/22/2023  
**MRA PROJECT #:** 18291.213



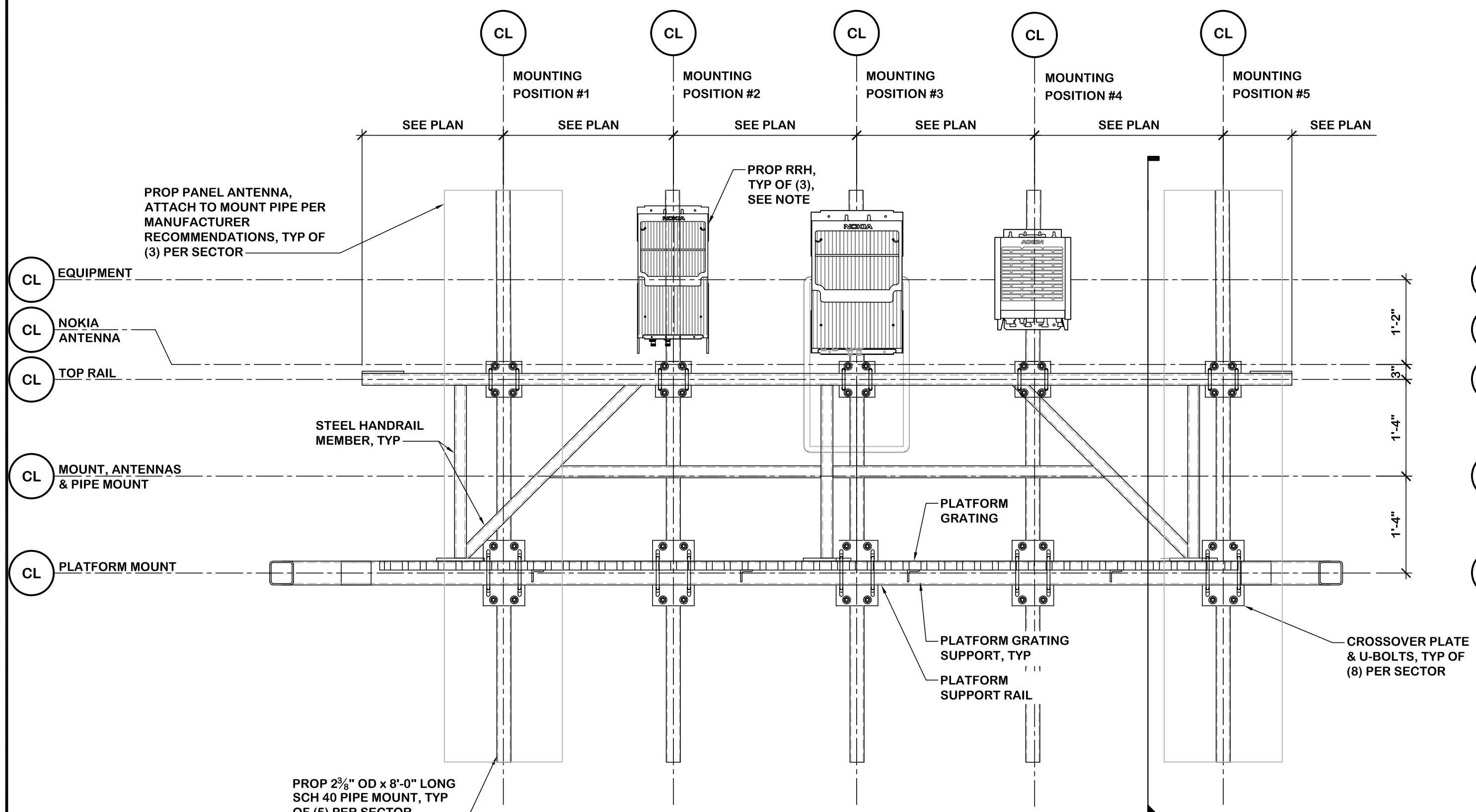
**Know what's below. Call before you dig.**

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**SHEET TITLE**  
Structural  
Details

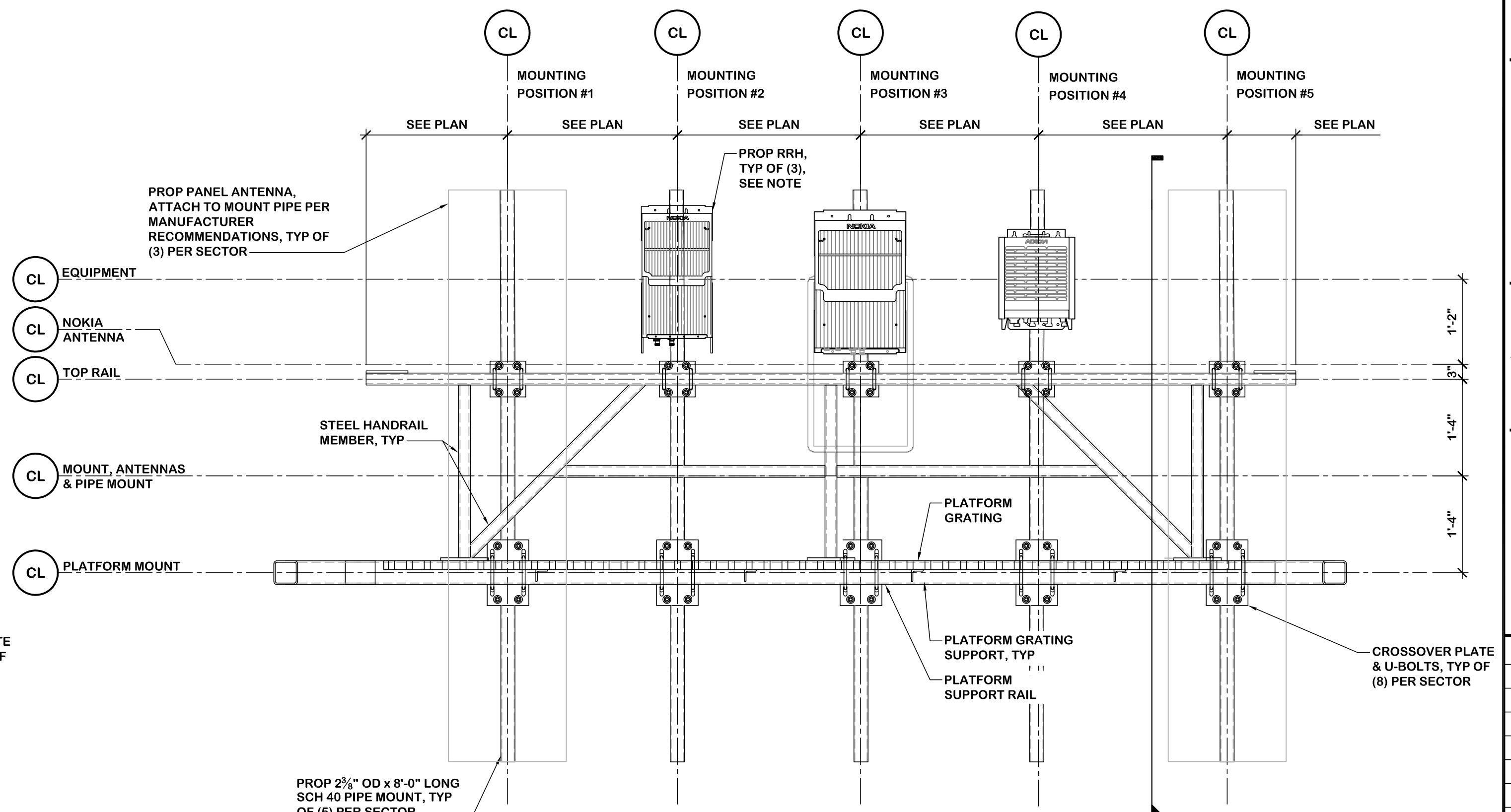
**SHEET NUMBER**

**S-2**



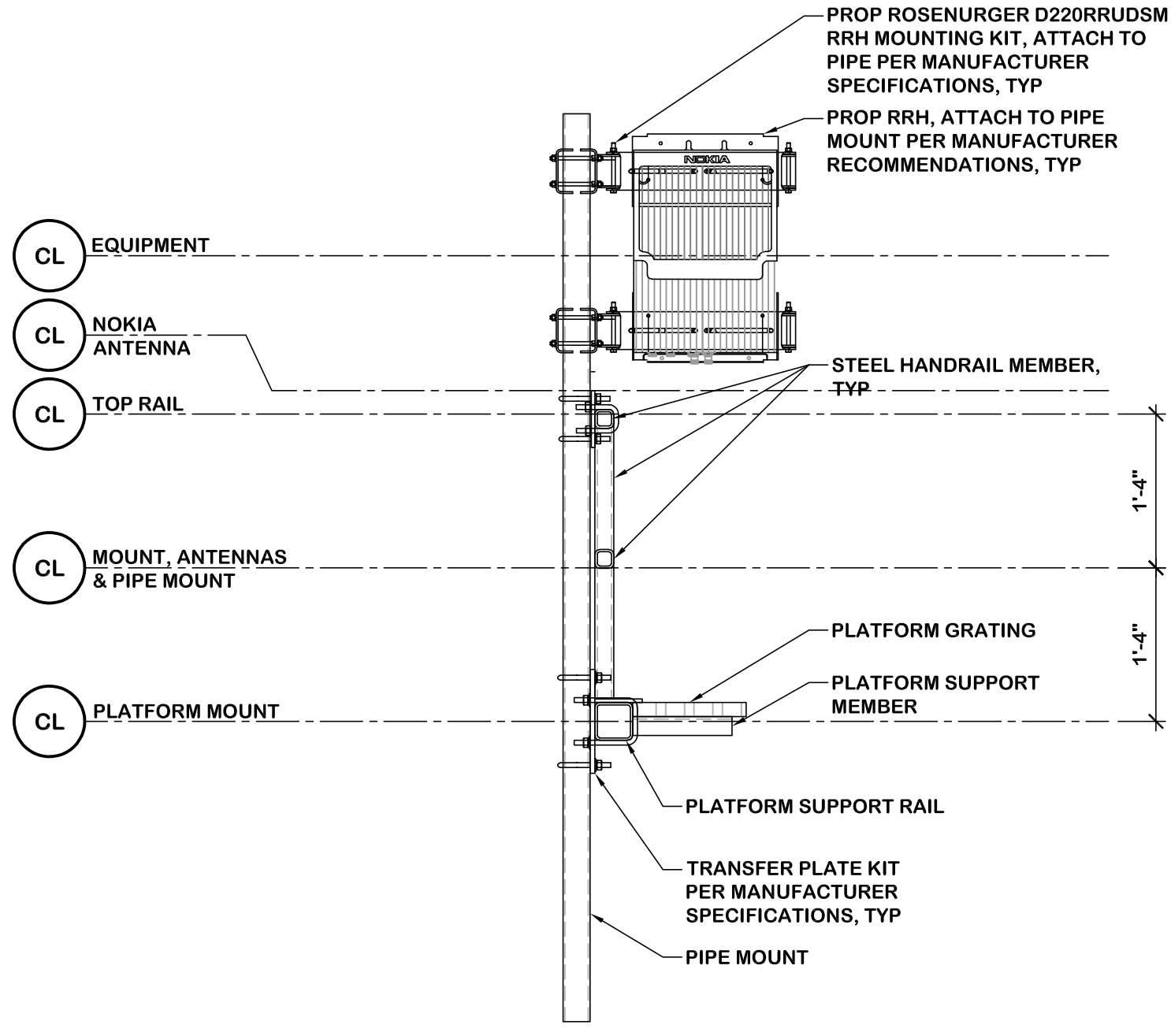
**NOTE: BETA SECTOR EQUIPPED WITH:**  
(1) NOKIA AIRSCALE TRI-BAND B12/14/29 AHLBBA RRH  
(1) NOKIA AIRSCALE DUAL-BAND B25/66 AHFII RRH  
(1) NOKIA AIRSCALE B5 AHCA RRH

**2 BETA SECTOR REAR ELEVATION**  
SCALE: 3/4" = 1'-0"

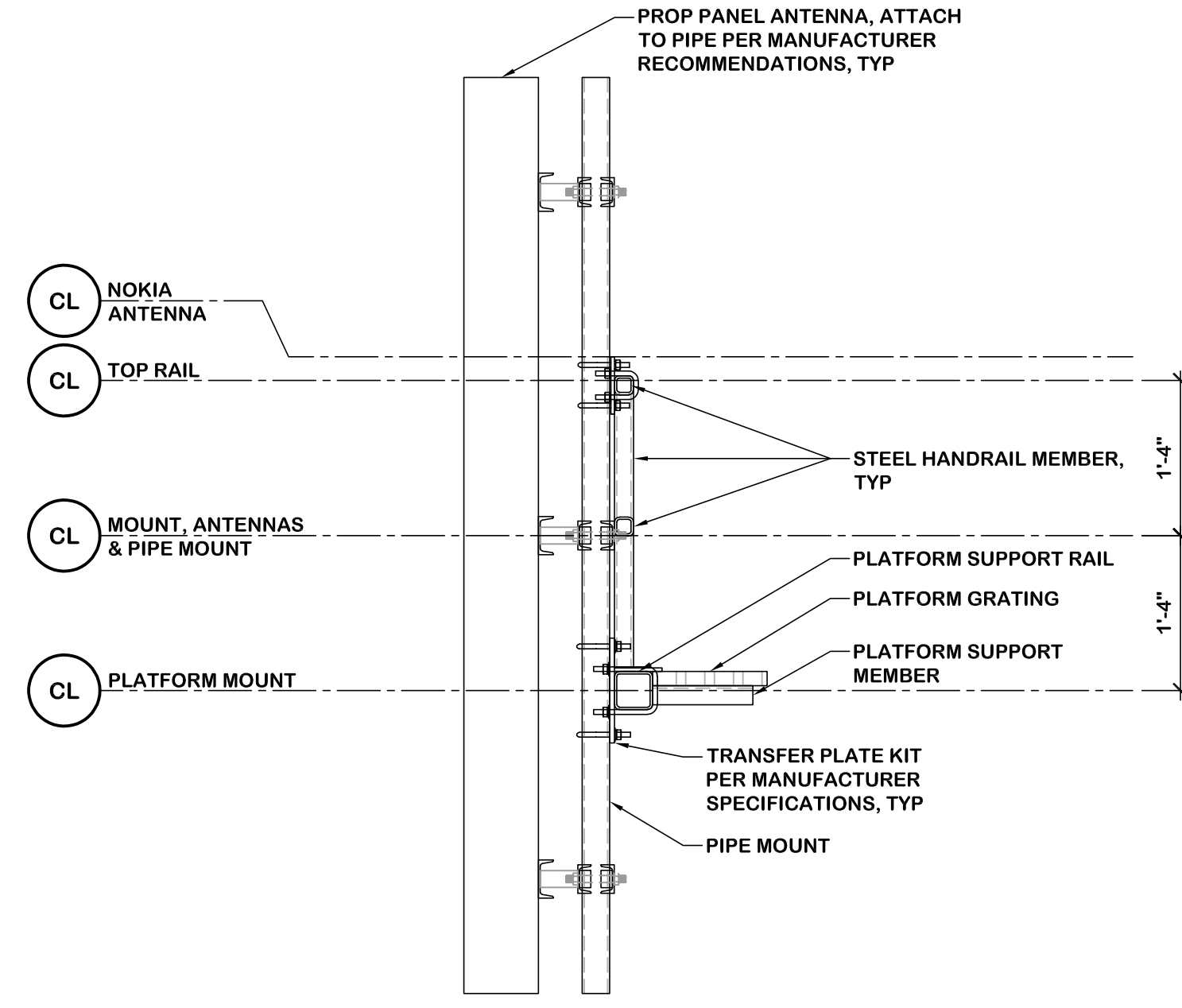


**NOTE: GAMMA SECTOR EQUIPPED WITH:**  
(1) NOKIA AIRSCALE TRI-BAND B12/14/29 AHLBBA RRH  
(1) NOKIA AIRSCALE DUAL-BAND B25/66 AHFII RRH  
(1) NOKIA AIRSCALE B5 AHCA RRH

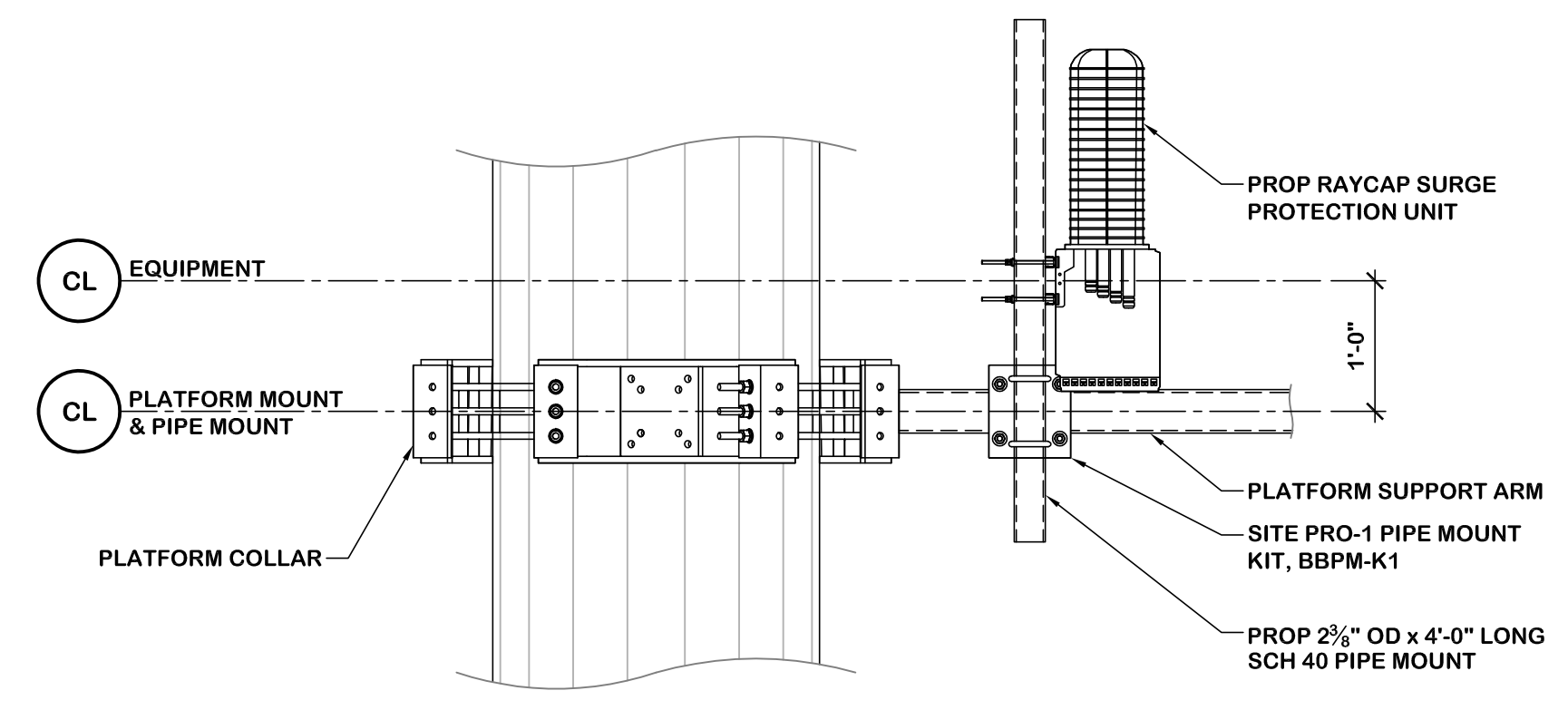
**3 GAMMA SECTOR REAR ELEVATION**  
SCALE: 3/4" = 1'-0"



**4 TYPICAL EQUIPMENT MOUNT**  
SCALE: 3/4" = 1'-0"



**5 TYPICAL ANTENNA MOUNT**  
SCALE: 3/4" = 1'-0"

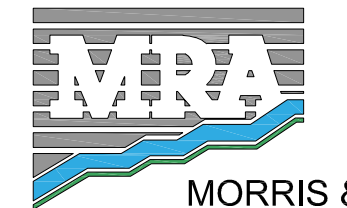


**6 TYPICAL RAYCAP MOUNT**  
SCALE: 3/4" = 1'-0"





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**SITE ID:** SIMD010145  
**SITE NAME:** DUNNAVANT RELO FOR BOYER PLACE (YESHIVA TEMP) (FA NUMBER: 12573579)  
**SITE ADDRESS:** 2010 LINDEN LANE SILVER SPRING, MD 20910 MONTGOMERY COUNTY

**REVISION BLOCK**

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**DRAWN BY:** AJL  
**DESIGNED BY:** AJL  
**REVIEWED BY:** RJD  
**ORIGINAL DATE:** 06/22/2023  
**MRA PROJECT #:** 18291.213



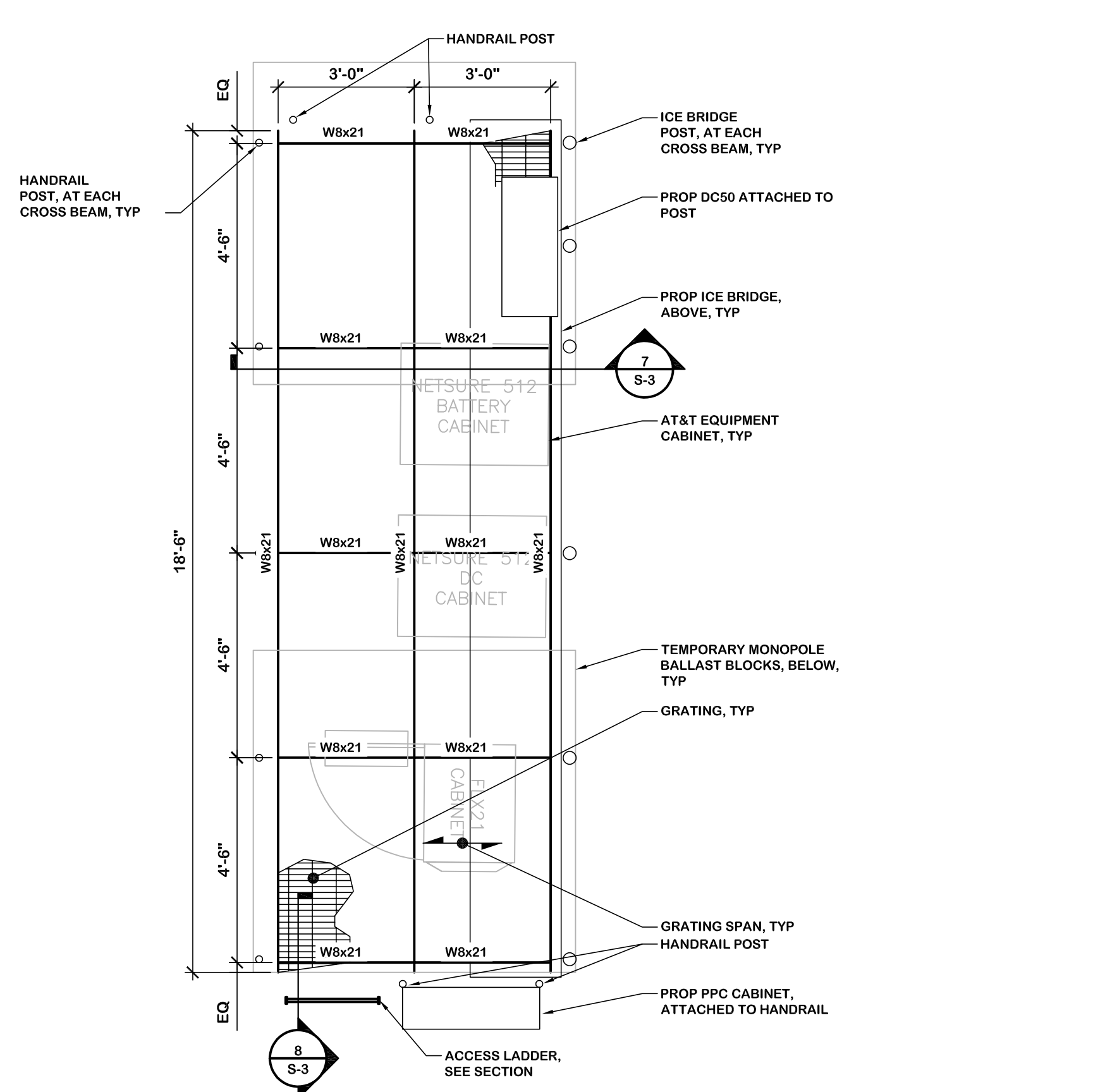
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**SHEET TITLE**  
Equipment Platform Details

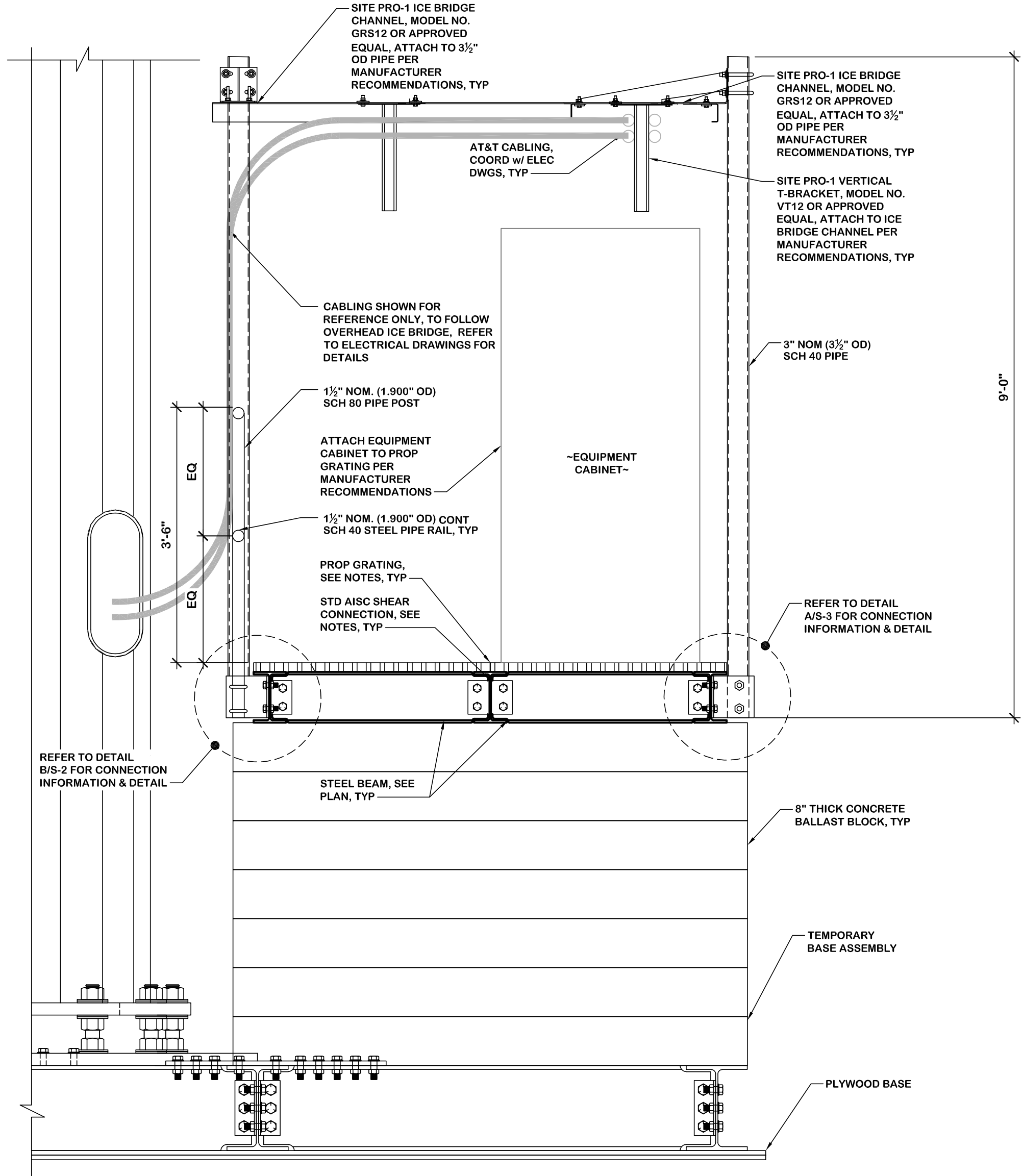
**SHEET NUMBER**

**S-3**

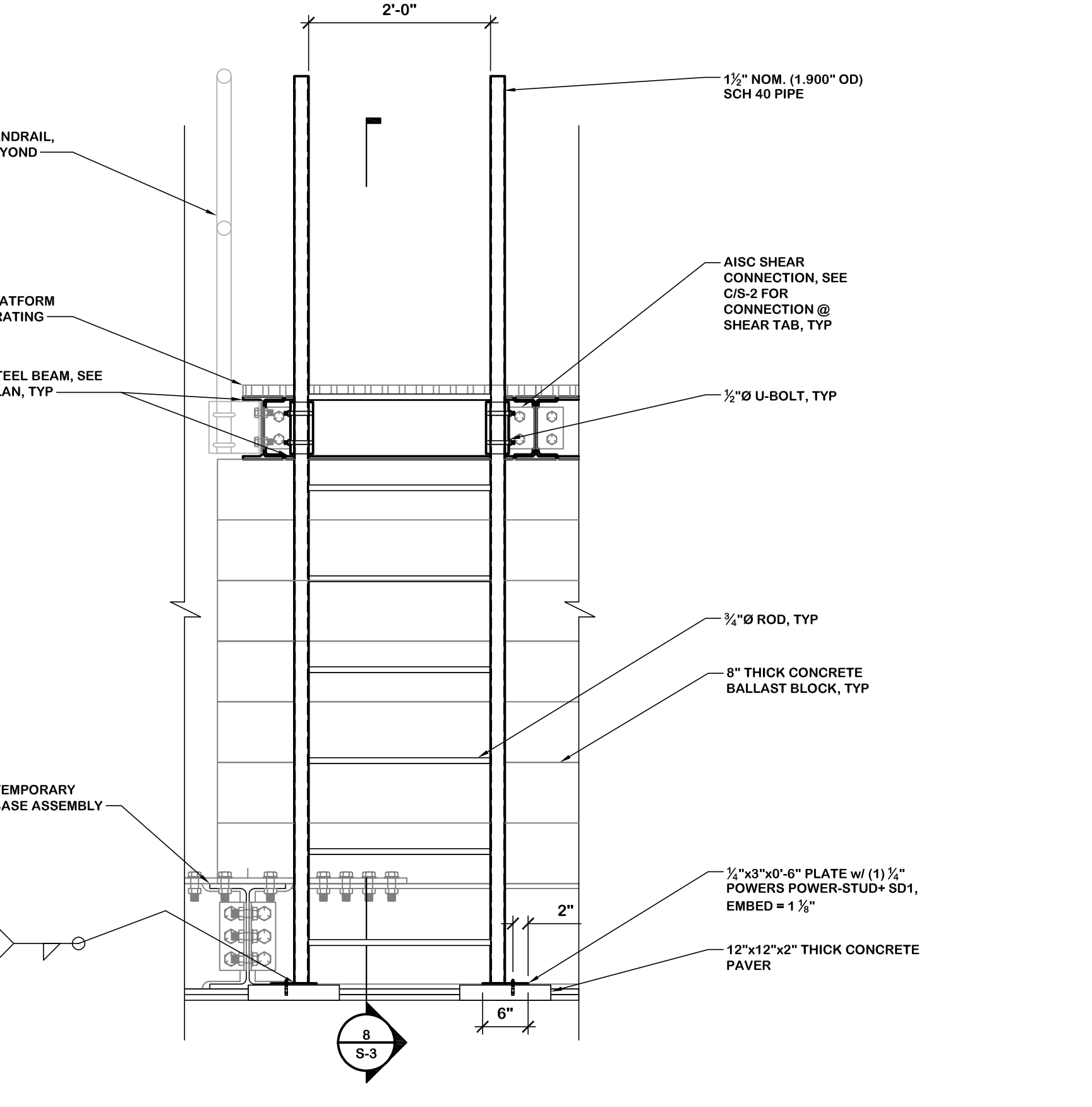


**EQUIPMENT PLATFORM FRAMING PLAN**  
SCALE: 3/8" = 1'-0"

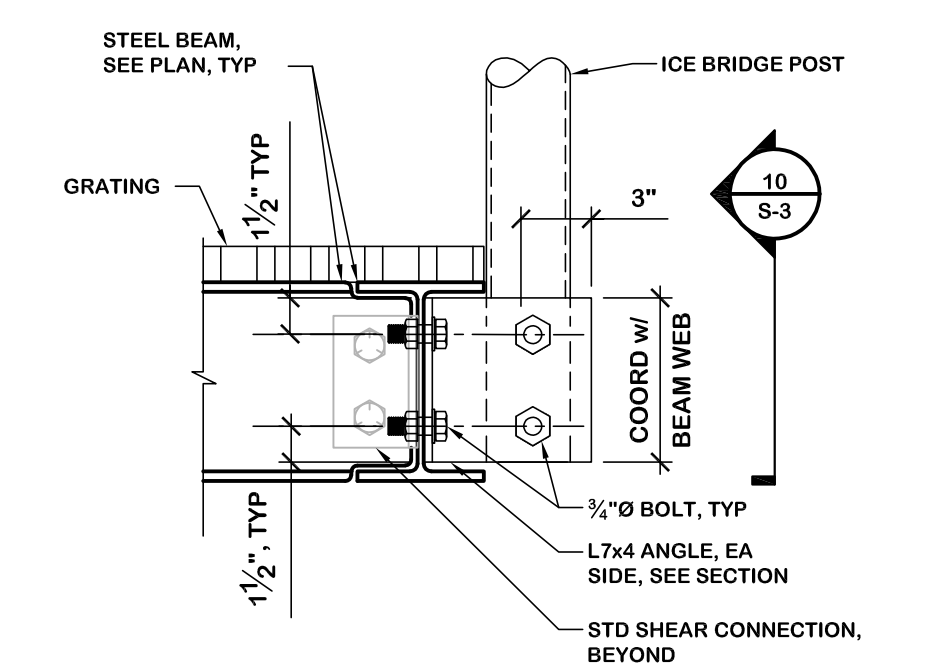
- PLATFORM FRAMING NOTES**
1. PLATFORM CONSTRUCTION SHALL CONSIST OF GALVANIZED STEEL GRATING WITH 1 1/2" x 3/4" BEARING BARS SPACED AT 1 1/2", SUPPORTED BY STEEL BEAMS. ATTACH GRATING TO ALL SUPPORTING STEEL BEAMS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
  2. ALL STEEL EXPOSED TO WEATHER SHALL RECEIVE A HOT-DIPPED GALVANIZED FINISH.
  3. ALL BEAM-BEAM CONNECTIONS SHALL BE STANDARD SINGLE PLATE AISC SHEAR CONNECTIONS, UNLESS NOTED OTHERWISE. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.



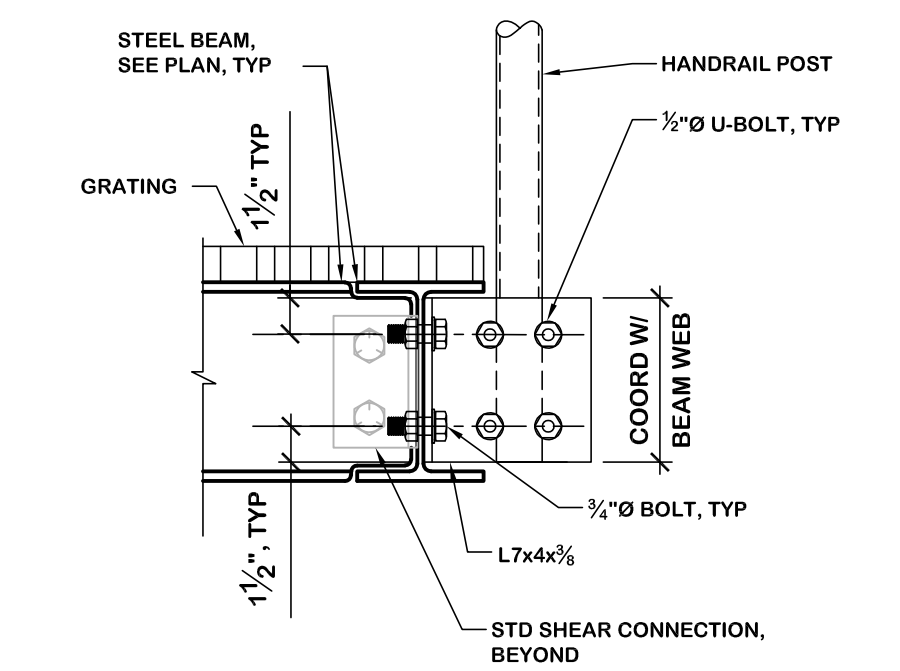
**7 TYPICAL EQUIPMENT PLATFORM**  
SCALE: 3/4" = 1'-0"



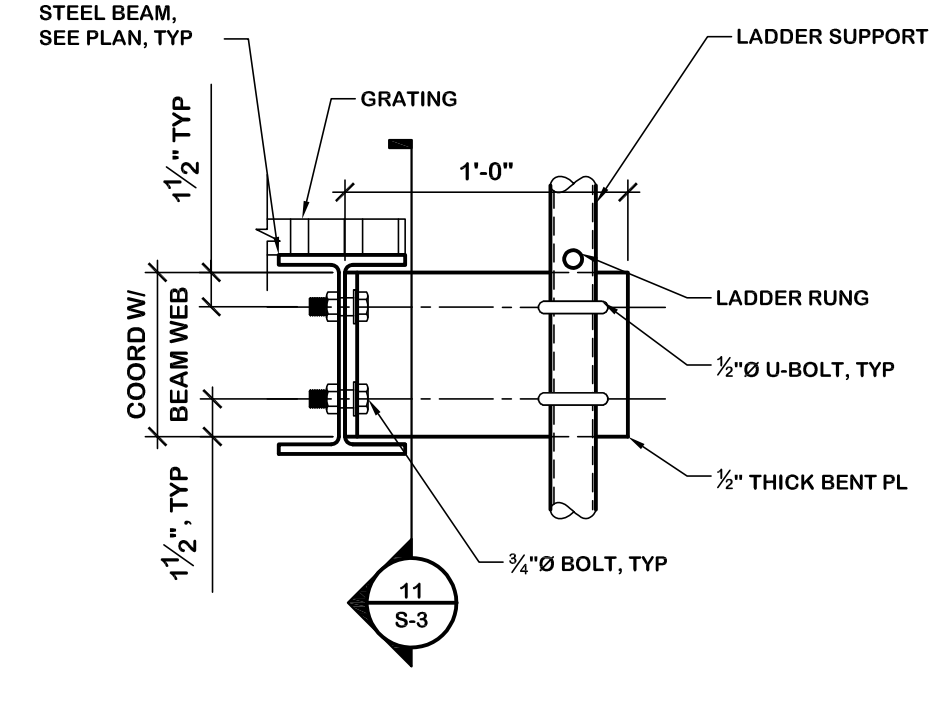
**8 ACCESS LADDER DETAIL**  
SCALE: 3/4" = 1'-0"



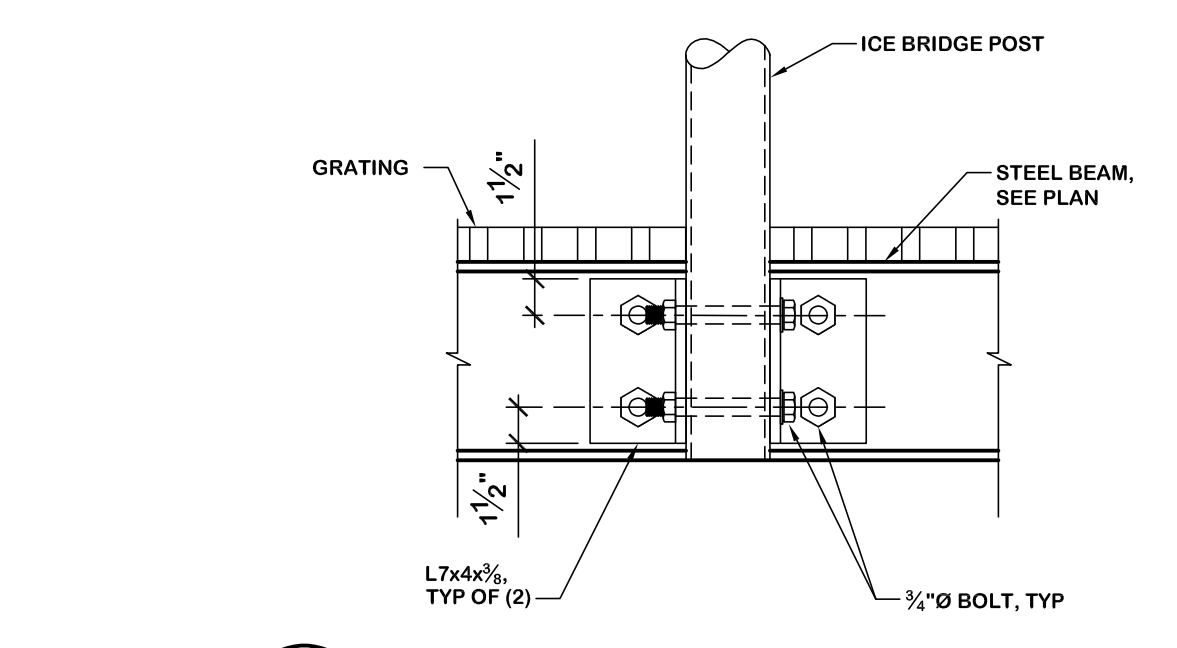
**A TYPICAL ICE BRIDGE ATTACHMENT**  
SCALE: 1-1/2" = 1'-0"



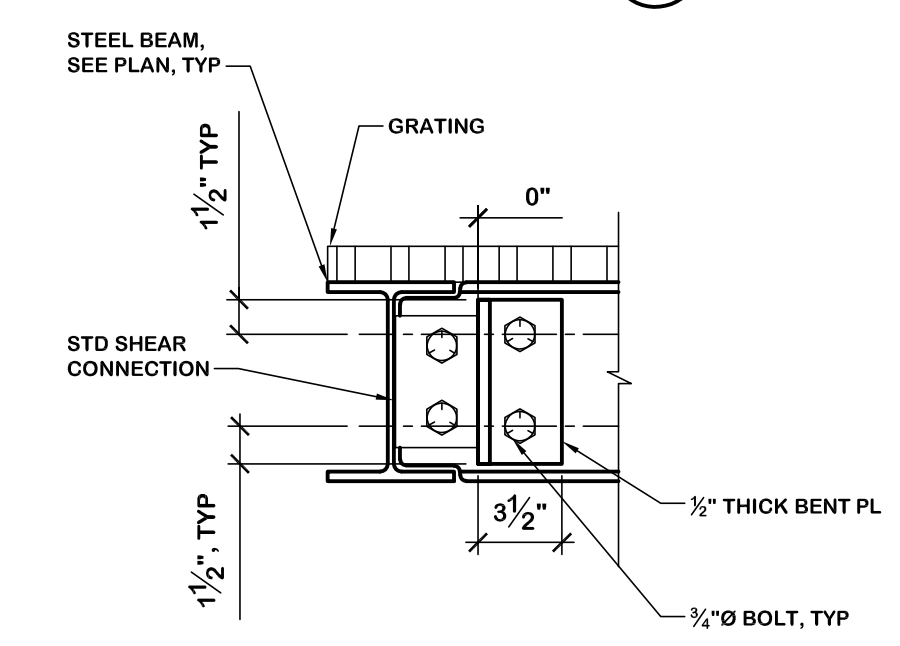
**B TYPICAL HANDRAIL ATTACHMENT**  
SCALE: 1-1/2" = 1'-0"



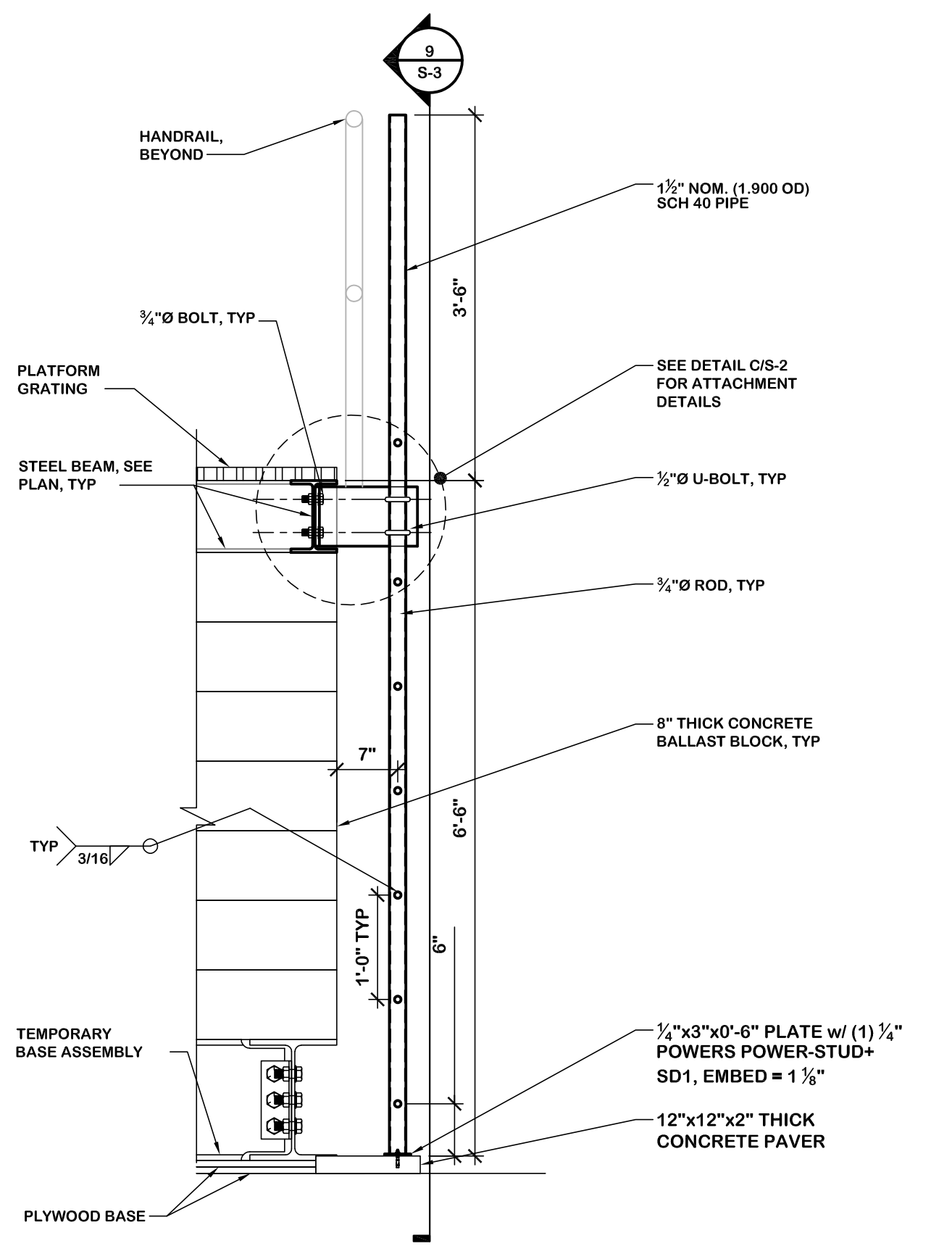
**C TYPICAL LADDER ATTACHMENT**  
SCALE: 1-1/2" = 1'-0"



**10 TYPICAL ICE BRIDGE ATTACHMENT**  
SCALE: 1-1/2" = 1'-0"



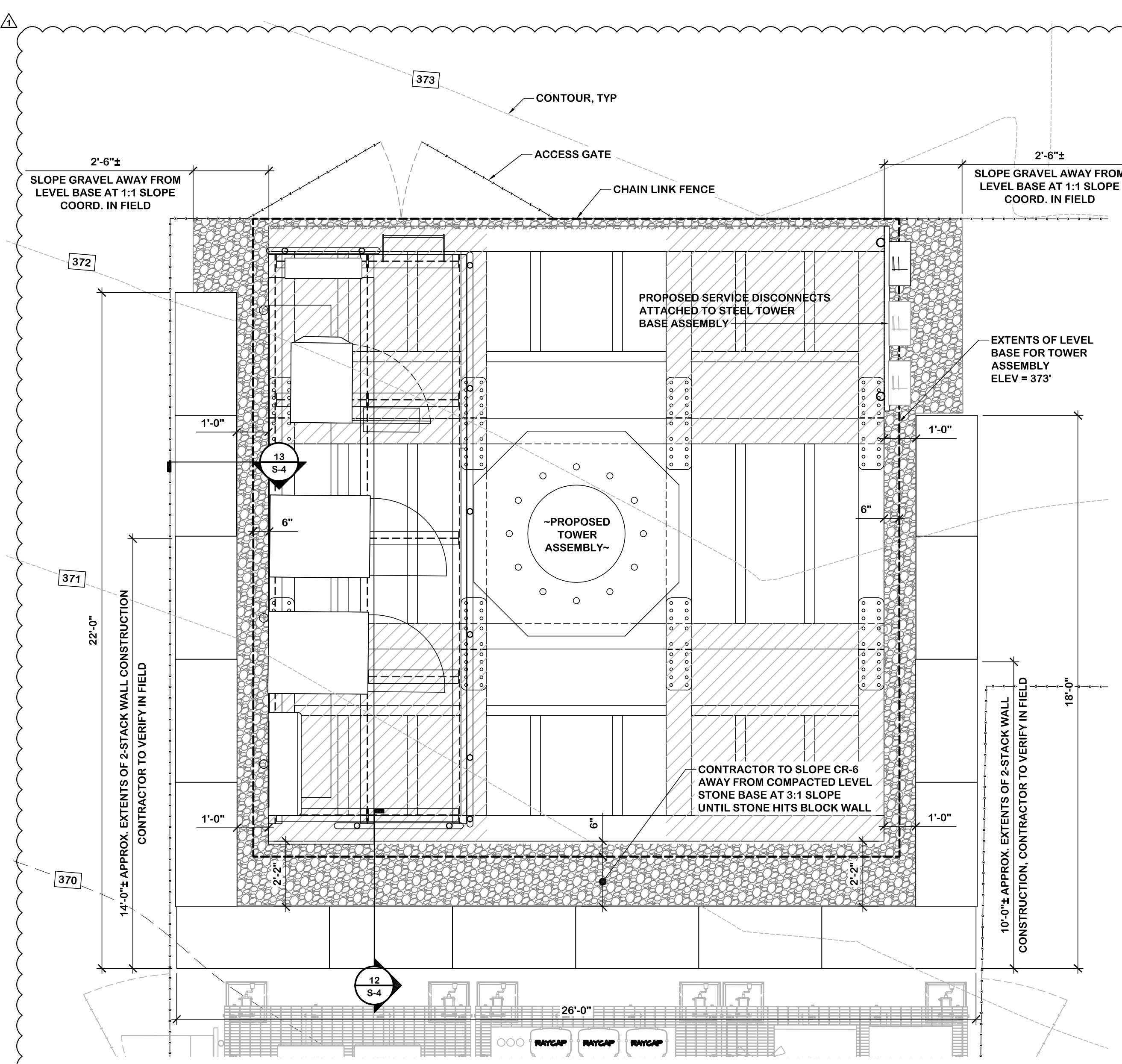
**11 TYPICAL LADDER ATTACHMENT**  
SCALE: 1-1/2" = 1'-0"



**8 ACCESS LADDER DETAIL**  
SCALE: 3/4" = 1'-0"



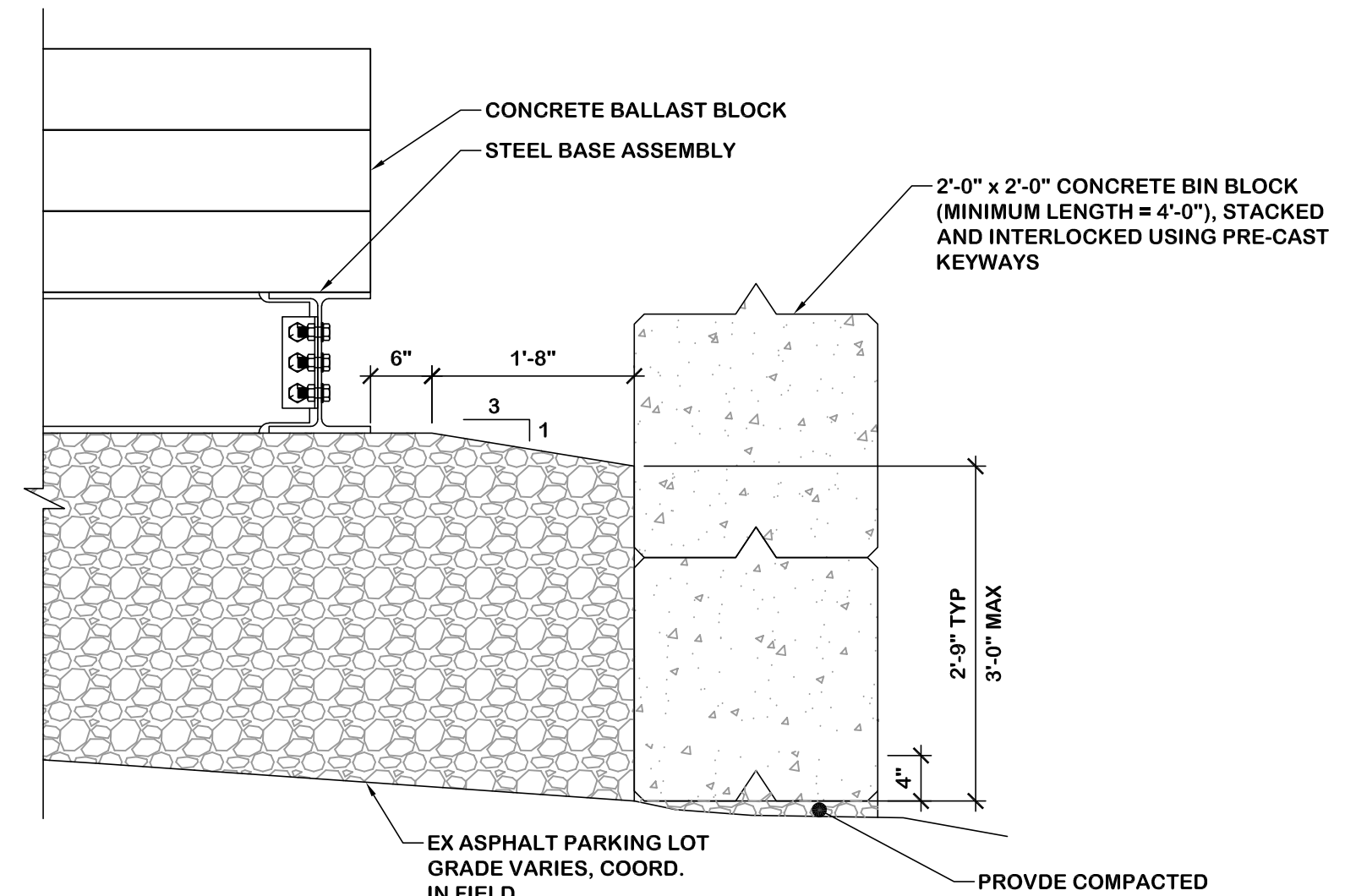
A B C D E F G H I J K L M N P Q



**RETAINING WALL PLAN LAYOUT**  
SCALE: 3/8" = 1'-0"

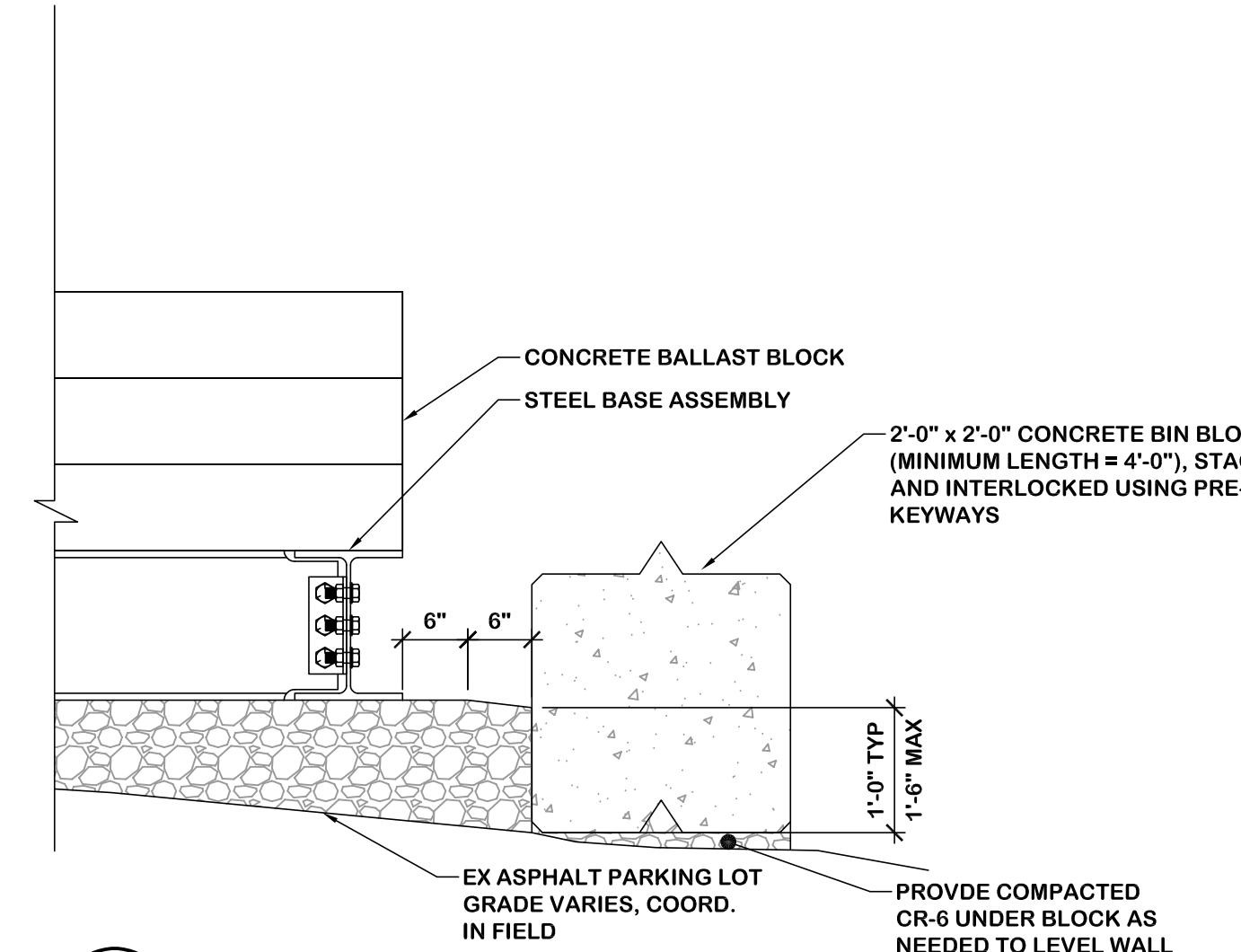
**RETAINING WALL NOTES:**

1. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF RETAINING WALL CONSTRUCTION AND ASSOCIATED STONE FILL INSTALLATION.
2. STRUCTURAL FILL NOTES:
  - A. ALL STRUCTURAL BACKFILL SHALL BE INSTALLED IN A CONTROLLED MANNER TO ENSURE NO VOIDS ARE PRESENT DURING BACKFILLING OPERATIONS (PREVENT OUTSIDE DEBRIS, REFUSE, ETC. FROM FALLING INTO HOLE).
  - B. NEW FILL MATERIAL AND EXISTING BASE MATERIAL SHALL BE FREE OF ALL REFUSE, DEBRIS, AND ORGANIC MATTER AND SHALL BE APPROVED FOR USE BY A REGISTERED GEOTECHNICAL ENGINEER.
  - C. FILL MATERIAL SHALL BE DEPOSITED IN 8 INCH MAXIMUM LOOSE LIFTS AND COMPACTED TO A DRY DENSITY OF AT LEAST 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698. FILL SHALL BE PLACED AND COMPACTED IN 8 INCH LOOSE LIFTS TO DESIRED FINISHED GRADE UNDER THE GUIDANCE AND OBSERVATION OF A PROFESSIONAL GEOTECHNICAL ENGINEER REGISTERED IN THE STATE OF MARYLAND.
  - D. WHEN WORK IS INTERRUPTED BY RAIN, FILL OPERATIONS SHALL NOT RESUME UNTIL FIELD TESTS INDICATE THAT THE MOISTURE CONTENT AND SOIL DENSITY OF THE TOP 8 INCHES OF FILL IS WITHIN THE LIMITS SPECIFIED.
3. WALL SHALL BE CONSTRUCTED OF CONCRETE BIN BLOCKS WITH MINIMUM DIMENSIONS OF 2'-0"H x 2'-0"W x 4'-0"L. CONTRACTOR SHALL VISIT THE SITE PRIOR TO THE START OF CONSTRUCTION TO DETERMINE THE FINAL DIMENSIONS AND SHALL BE RESPONSIBLE FOR COORDINATION OF THE SIZE AND QUANTITY OF BIN BLOCK REQUIRED ON SITE. IF DIMENSIONS DIFFER DRASTICALLY FROM THOSE SHOWN HEREIN, CONTACT STRUCTURAL ENGINEER OF RECORD (SEOR) IMMEDIATELY.
4. IN ADDITION TO NOTES HERE, REFER TO GENERAL STRUCTURAL NOTES ON SHEET GN-1 FOR ADDITIONAL INFORMATION.



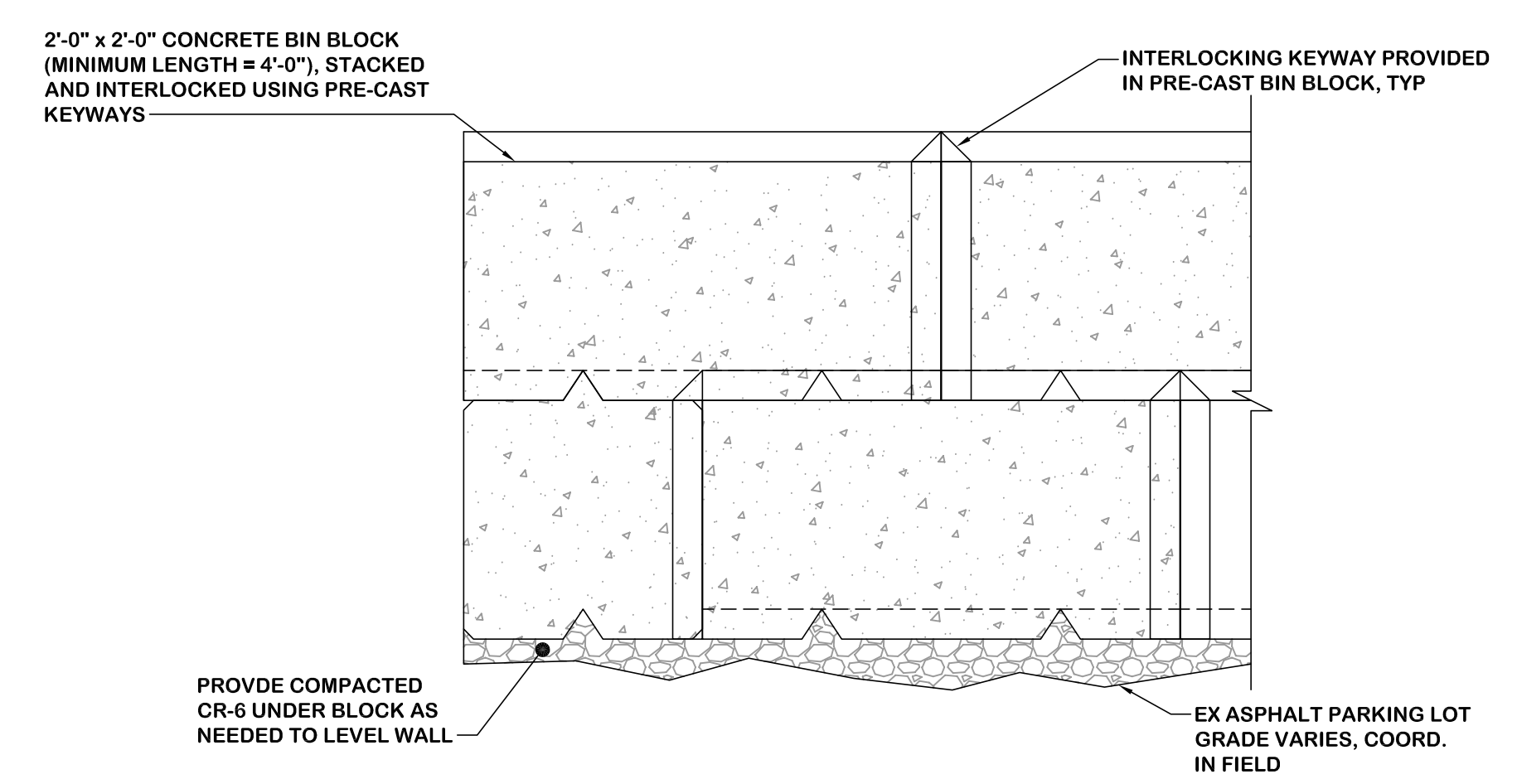
**12 TYPICAL 2-BLOCK STACK WALL SECTION**  
SCALE: 3/4" = 1'-0"

NOTE: DETAIL SHOWN HEREIN APPLIES TO ANY LOCATIONS WHERE STONE FILL WILL EXCEED 18" ON RETAINING WALL



**13 TYPICAL 1-BLOCK STACK WALL SECTION**  
SCALE: 3/4" = 1'-0"

NOTE: DETAIL SHOWN HEREIN APPLIES TO ANY LOCATIONS WHERE STONE FILL WILL NOT EXCEED 18" ON RETAINING WALL



**D TYPICAL BLOCK WALL ELEVATION**  
SCALE: NTS

**AT&T**  
7150 STANDARD DRIVE  
HANOVER, MD 21076

**MRA**  
MORRIS & RITCHIE ASSOCIATES, INC.  
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**smartlink**  
1997 ANNAPOLIS EXCHANGE PARKWAY, SUITE 200  
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FAX: (410) 220-2962

**SITE ID:** SIMD010145  
**SITE NAME:** DUNNAVANT RELO FOR BOYER PLACE (YESHIVA TEMP) (FA NUMBER: 12573579)  
**SITE ADDRESS:** 2010 LINDEN LANE SILVER SPRING, MD 20910 MONTGOMERY COUNTY

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**DRAWN BY:** AJL  
**DESIGNED BY:** AJL  
**REVIEWED BY:** RJD  
**ORIGINAL DATE:** 06/22/2023  
**MRA PROJECT #:** 18291.213

**811**  
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**SHEET TITLE**  
Retaining Wall  
Details & Notes

**SHEET NUMBER**  
S-4



**DRAWING NOTES**

- ① PROVIDE NEW 8'-0"x5/8"Ø COPPER GLAD GROUND ROD BURIED AT LEAST 30" BELOW GRADE AND SPACED 6'-0" APART (MINIMUM). REFER TO DETAIL ON SHEET G-2.
- ② PROVIDE NEW #2 AWG, BARE, TINNED, SOLID COPPER CONDUCTOR BURIED GROUND RING INSTALLED 30" MINIMUM BELOW GRADE. PROVIDE CADWELDED CONNECTIONS TO EACH GROUND ROD.
- ③ PROPOSED WEATHERPROOF 150 KVA TRANSFORMER MOUNTED ON CONCRETE PAVERS. PROVIDE 1 1/2" BARE, TINNED COPPER GROUNDING ELECTRODE FROM TRANSFORMER AND BOND TO NEAREST GROUND ROD.
- ④ PROVIDE NEW 30"x4"x1/4" COPPER COAX GROUND BAR (CGB) MOUNTED TO BASE OF AT&T TEMPORARY MONOPOLE TOWER.
- ⑤ EXTEND #2 AWG INSULATED, STRANDED COPPER CONDUCTOR FROM COAX GROUND BAR (CGB) AND BOND TO MONOPOLE TOWER AT TWO (2) LOCATIONS 180° APART.
- ⑥ PROVIDE NEW 4"x12"x1/4" COPPER EQUIPMENT GROUND BAR (EGB) MOUNTED ON AT&T EQUIPMENT SUPPORT RAILS. EXTEND #2AWG INSULATED STRANDED COPPER CONDUCTOR FROM TEMPORARY MONOPOLE TOWER COAX GROUND BAR (CGB) TO AT&T EQUIPMENT GROUND BAR (EGB). COORDINATE EXACT MOUNTING LOCATION WITH AT&T REPRESENTATIVE.
- ⑦ PROVIDE NEW 4"x12"x1/4" COPPER MAIN GROUND BAR (MGB) MOUNTED BELOW TRANSFORMER PRIMARY DISCONNECT SWITCH. EXTEND #2 AWG, BARE, TINNED, SOLID COPPER CONDUCTOR FROM MASTER GROUND BAR AND BOND TO NEAREST BURIED GROUND ROD.
- ⑧ PROPOSED 600 VOLT TRANSFORMER PRIMARY SERVICE DISCONNECT SWITCH. EXTEND #2 AWG INSULATED STRANDED, COPPER CONDUCTOR FROM DISCONNECT SWITCH AND BOND TO MASTER GROUND BAR (MGB).
- ⑨ PROVIDE NEW 4"x12"x1/4" COPPER GROUND BAR (GB) MOUNTED ON NEW KINDORF MOUNTING FRAME FOR CARRIER'S 240 VOLT, 200 AMP FUSED DISCONNECT SWITCHES.
- ⑩ PROPOSED 240V FUSED DISCONNECT SWITCH (TYPICAL). EXTEND #2 AWG GREEN, INSULATED STRANDED COPPER GROUND CONDUCTOR AND BOND TO GROUND BAR.
- ⑪ BOND KINDORF MOUNTING FRAME TO GROUND BAR USING #2 AWG GREEN, INSULATED STRANDED COPPER GROUND CONDUCTOR AT EACH CORNER POST.
- ⑫ EXTEND #2 AWG INSULATED STRANDED, COPPER CONDUCTOR FROM COAX GROUND BAR (CGB) AND BOND TO MASTER GROUND BAR MOUNTED BENEATH TRANSFORMER PRIMARY DISCONNECT SWITCH. ROUTE GROUND CONDUCTOR IN 1" PVC CONDUIT ABOVE GRADE FOR PROTECTION. ROUTE GROUND WITH ELECTRIC SERVICE CONDUITS BETWEEN CARRIER'S 240 VOLT, 200 AMP DISCONNECT SWITCHES AND TRANSFORMER.
- ⑬ EXTEND #2 AWG INSULATED STRANDED, COPPER CONDUCTOR FROM GROUND BAR (GB) AND BOND TO MASTER GROUND BAR MOUNTED BENEATH TRANSFORMER PRIMARY DISCONNECT SWITCH. ROUTE GROUND CONDUCTOR IN 1" PVC CONDUIT ABOVE GRADE FOR PROTECTION. ROUTE GROUND WITH ELECTRIC SERVICE CONDUITS BETWEEN CARRIER'S 240 VOLT, 200 AMP DISCONNECT SWITCHES AND TRANSFORMER.
- ⑭ EXTEND #2 AWG INSULATED STRANDED, STRANDED COPPER CONDUCTOR FROM EACH AT&T EQUIPMENT CABINET TO AND BOND TO AT&T EQUIPMENT GROUND BAR (EGB).
- ⑮ EXTEND #2 AWG INSULATED STRANDED, STRANDED COPPER CONDUCTOR FROM CORNER OF PROPOSED TEMPORARY FENCE AND BOND TO AT&T EQUIPMENT GROUND BAR (EGB).
- ⑯ BOND AT&T 120/240V 200A 1Ø, 3W PPG PANEL TO PROPOSED AT&T EQUIPMENT GROUND BAR (EGB), USING #2 AWG GREEN, INSULATED STRANDED COPPER GROUND CONDUCTOR.
- ⑰ BOND NEW AT&T SUB METER TO PROPOSED EQUIPMENT GROUND BAR (EGB), USING #2 AWG, INSULATED, STRANDED COPPER GROUND CONDUCTOR.
- ⑱ PROVIDE NEW 4"x12"x1/4" COPPER SECTOR GROUND BAR (SGB) MOUNTED TO TOP OF AT&T TEMPORARY MONOPOLE TOWER. EXTEND #2 AWG GREEN, INSULATED COPPER GROUND CONDUCTOR FROM SECTOR GROUND BAR AND BOND TO COAX GROUND BAR (CGB) AT BOTTOM OF TOWER. REFER TO DETAIL ON SHEET G-2 FOR ADDITIONAL INFORMATION.
- ⑲ PROPOSED AT&T ANTENNA. BOND ANTENNA AND ANTENNA MAST TO SECTOR GROUND BAR (SGB), USING #2 AWG GREEN, INSULATED COPPER GROUND CONDUCTOR. REFER TO ANTENNA SCHEDULE ON MRA CIVIL ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.
- ⑳ PROPOSED AT&T RADIO HEAD (RRH). BOND RADIO HEAD AND ANTENNA MAST TO SECTOR GROUND BAR (SGB), USING #2 AWG GREEN, INSULATED COPPER GROUND CONDUCTOR. REFER TO ANTENNA SCHEDULE ON MRA CIVIL ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.
- ㉑ PROPOSED RAYCAP. BOND RAYCAP TO SECTOR GROUND BAR (SGB), USING #2 AWG GREEN, INSULATED COPPER GROUND CONDUCTOR. REFER TO ANTENNA SCHEDULE ON MRA CIVIL ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.
- ㉒ EXTEND THREE (3) 24 PAIR FIBER TRUNK AND NINE (9) 6/C DC TRUNK CABLING FROM FROM DC50 CABINET ALONG ICE BRIDGE, TO TEMPORARY MONOPOLE AND EXTEND TO DC4 AT TOP OF TOWER FOR CONNECTION OF DC POWER. MAKE ALL CONNECTIONS AS REQUIRED.

CONCRETE BIN BLOCK RETAINING WALL, SHOWN FOR COORDINATION ONLY

T-MOBILE TEMPORARY EQUIPMENT AND PLATFORM BY OTHERS

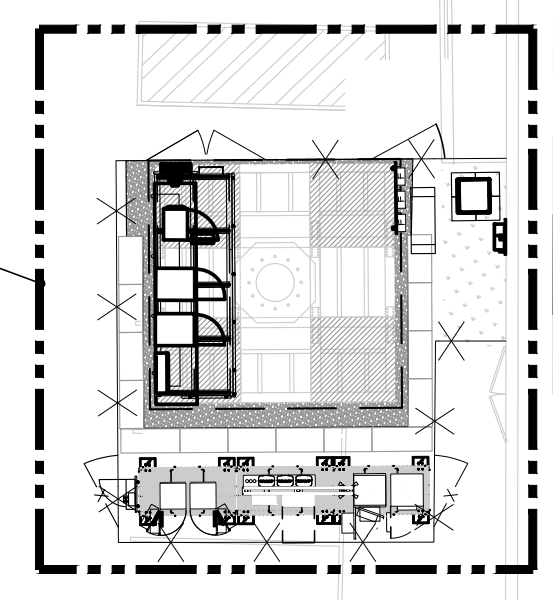
VERIZON WIRELESS TEMPORARY EQUIPMENT AND PLATFORM BY OTHERS

**EQUIPMENT GROUNDING PLAN**  
SCALE: 1/4"=1'-0"

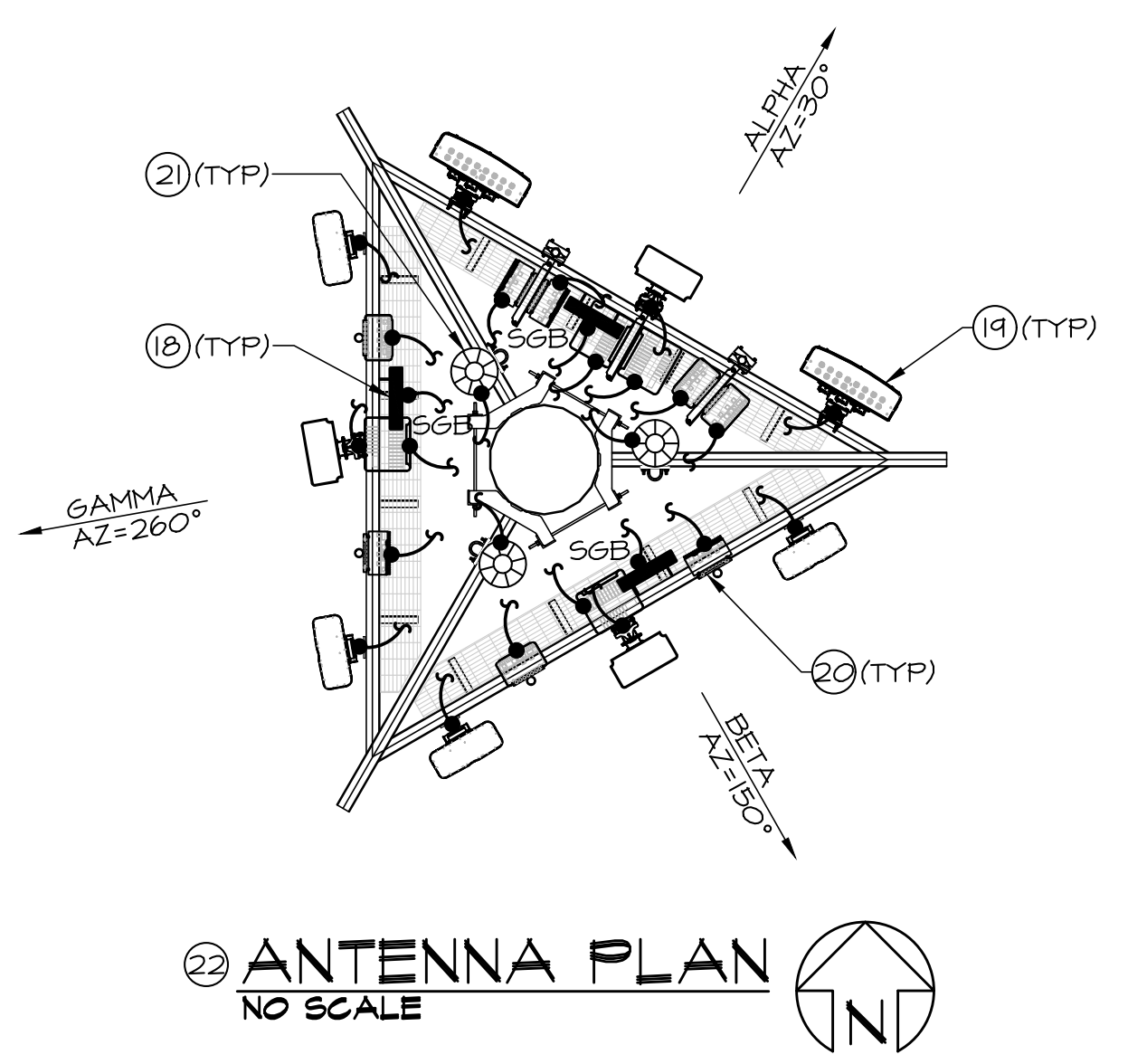
NOTE: PLEASE REFER TO THE ATT STD Doc ID ATT-002-290-101

EXISTING SCHOOL BUILDING

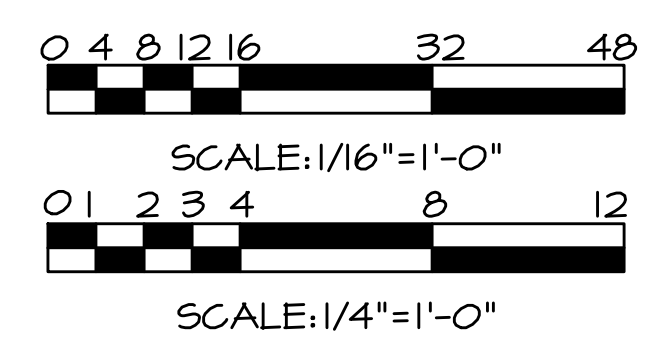
REFER TO PART PLAN, THIS SHEET FOR ADDITIONAL INFORMATION



**SITE GROUNDING PLAN**  
SCALE: 1/16"=1'-0"



**ANTENNA PLAN**  
NO SCALE



7150 STANDARD DRIVE  
HANOVER, MD 21075



TELECENT ENGINEERING INC.  
2216 Commerce Road, Suite 1  
Forest Hill, MD 21050  
410-692-5816  
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1997 ANNAPOLIS EXCHANGE PARKWAY,  
SUITE 200 ANNAPOLIS, MD 21401  
PHONE: (410) 263-5465  
FAX: (410) 220-2962

SITE ID:  
SIMD010145  
SITE NAME:  
DUNNAVANT RELO FOR BOYER  
PLACE (YESHIVA TEMP)  
(FA NUMBER: 12573579)  
SITE ADDRESS:  
2010 LINDEN LANE  
ROCKVILLE, MD 20910  
MONTGOMERY COUNTY

**REVISION BLOCK**

NO.	DESCRIPTION	DATE
4	TELCO REVISION	03/21/2024
3	RETAINING WALL	12/15/2023
2	COUNTY COMMENTS	01/20/2023
1	PERMIT DWGS	01/13/2023



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, TIMOTHY JOHN SMIDT, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21585, EXPIRATION DATE: MAY 08, 2025.

DRAWN BY: BLN  
DESIGNED BY: BLN/TJS  
ORIGINAL DATE: 06/16/2023  
TEI PROJECT#: 23019L  
DESIGN SCALE: AS NOTED



Know what's below.  
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PROTECT YOURSELF, GIVE THREE WORKING DAYS NOTICE  
THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPURTAINANT.

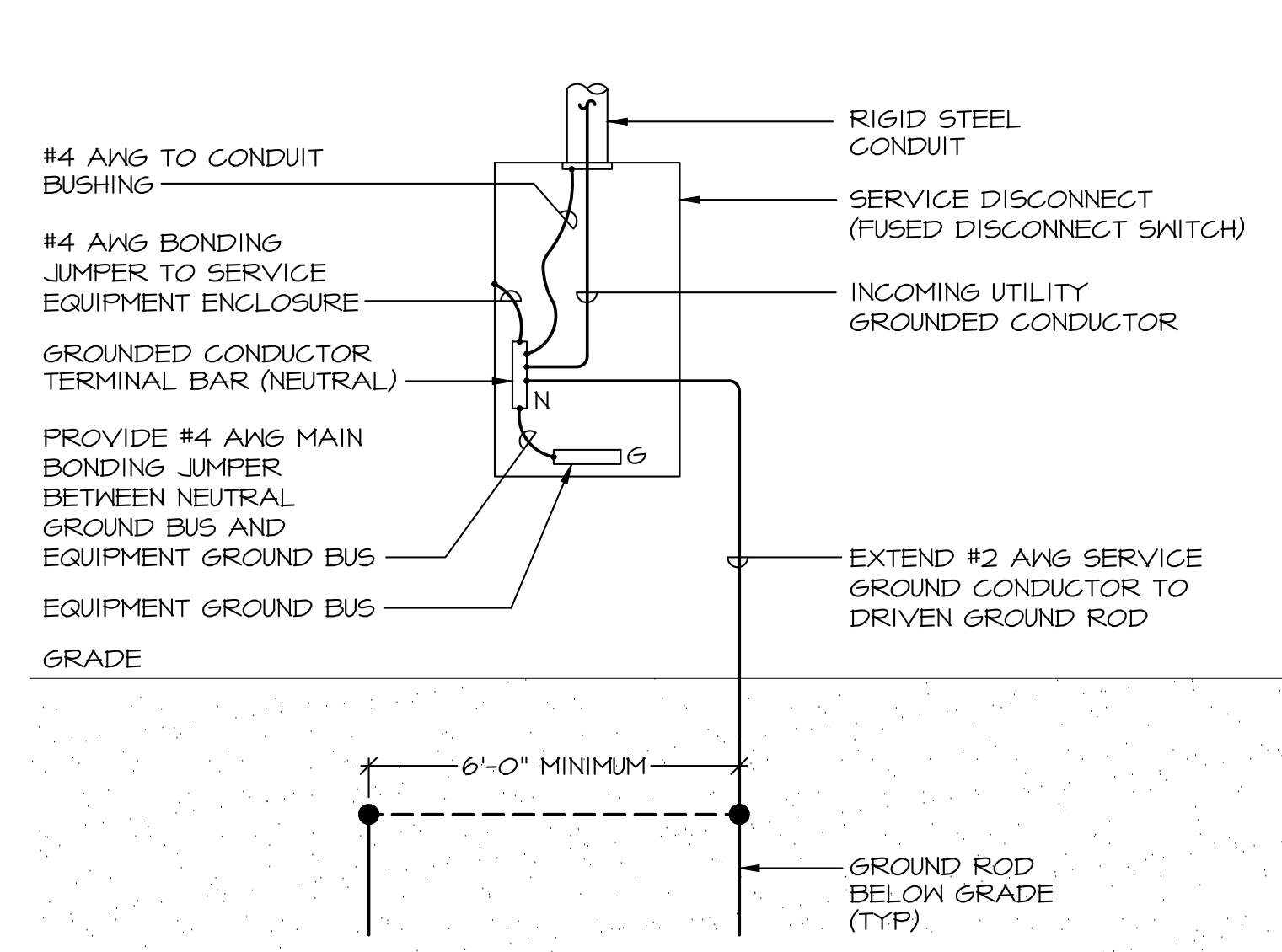
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Site Grounding Plan  
Equipment Grounding  
Plan, Antenna Plan  
and Notes

**SHEET NUMBER**

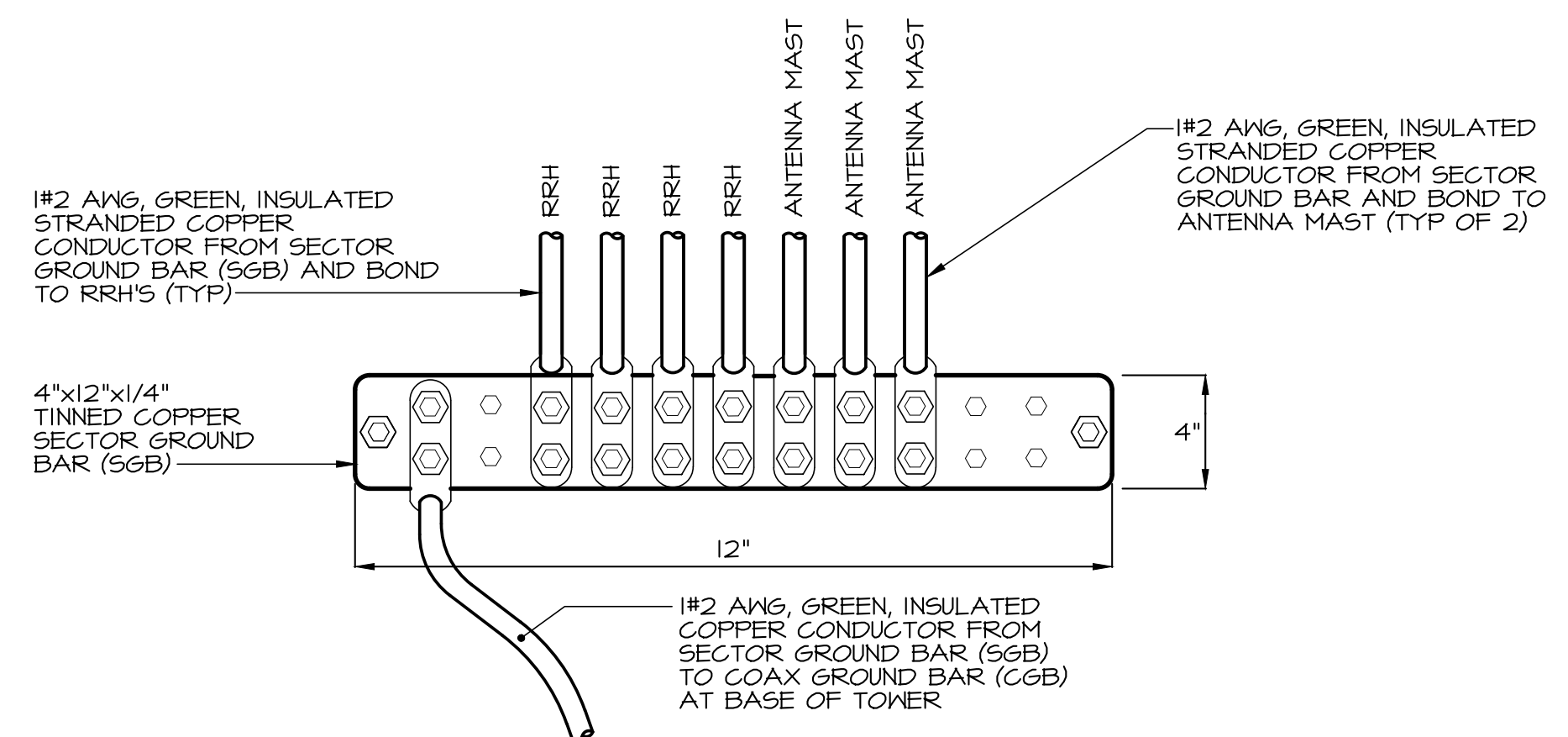
**G-1**



A B C D E F G H J K L M N P Q

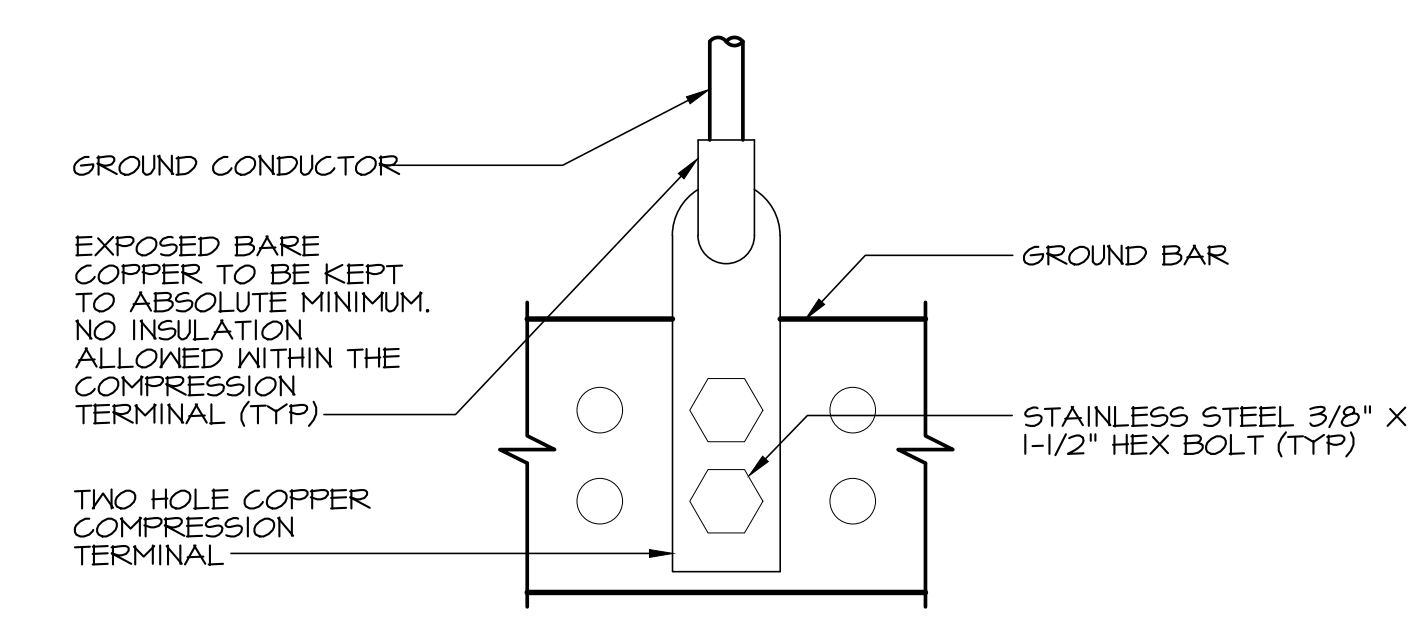


**DETAIL - TYPICAL ELECTRIC SERVICE GROUNDING ELECTRODE**  
NO SCALE

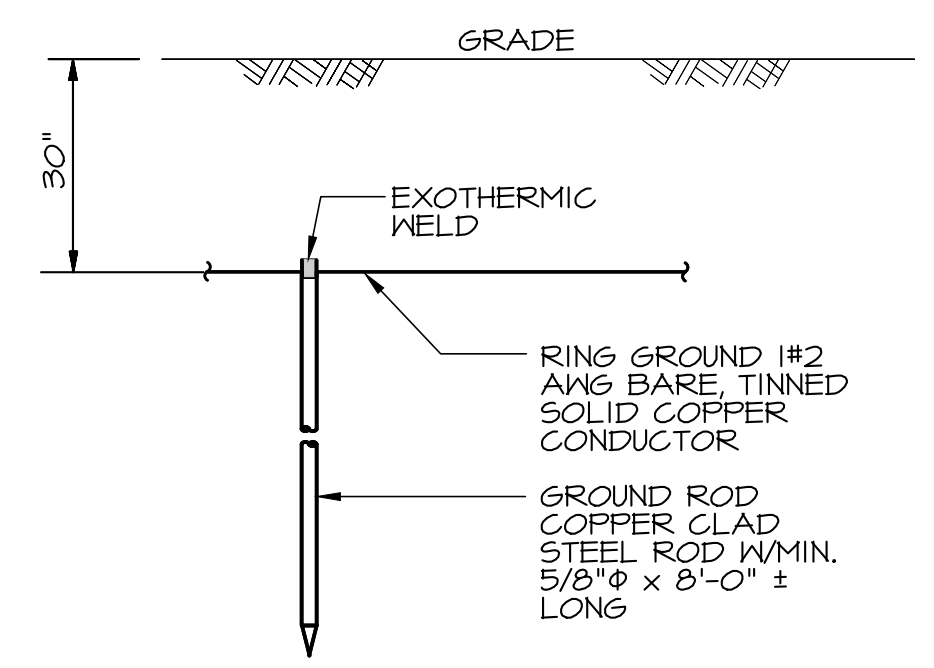


**DETAIL - ANTENNA SECTOR GROUND BAR**  
NO SCALE

NOTE: NO-OX SHALL BE USED ON ALL CONNECTIONS TO GROUND BAR.

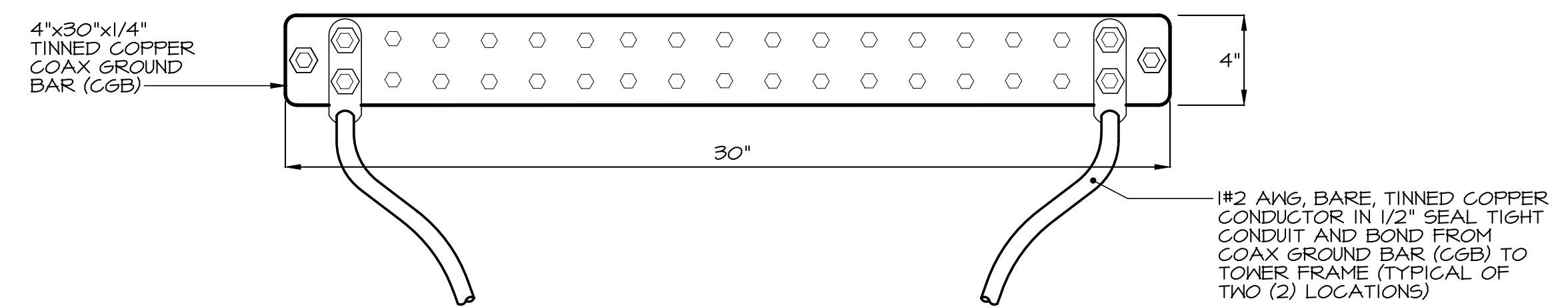


**DETAIL - DOUBLE LUG CONNECTION**  
NO SCALE



**DETAIL - GROUND ROD**  
NO SCALE

GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL.



**DETAIL - NEW COAX GROUND BAR**  
NO SCALE

NOTE: NO-OX SHALL BE USED ON ALL CONNECTIONS TO GROUND BAR.



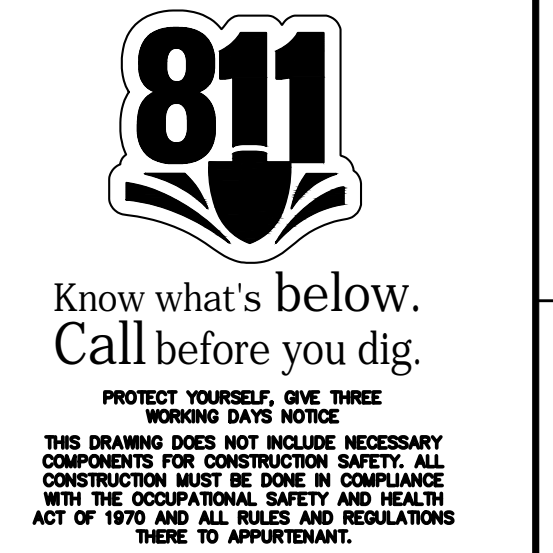
SITE ID: SIMD010145  
SITE NAME: DUNNAVANT RELO FOR BOYER PLACE (YESHIVA TEMP)  
(FA NUMBER: 12573579)  
SITE ADDRESS: 2010 LINDEN LANE ROCKVILLE, MD 20910 MONTGOMERY COUNTY

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SHEET TITLE  
**Details**

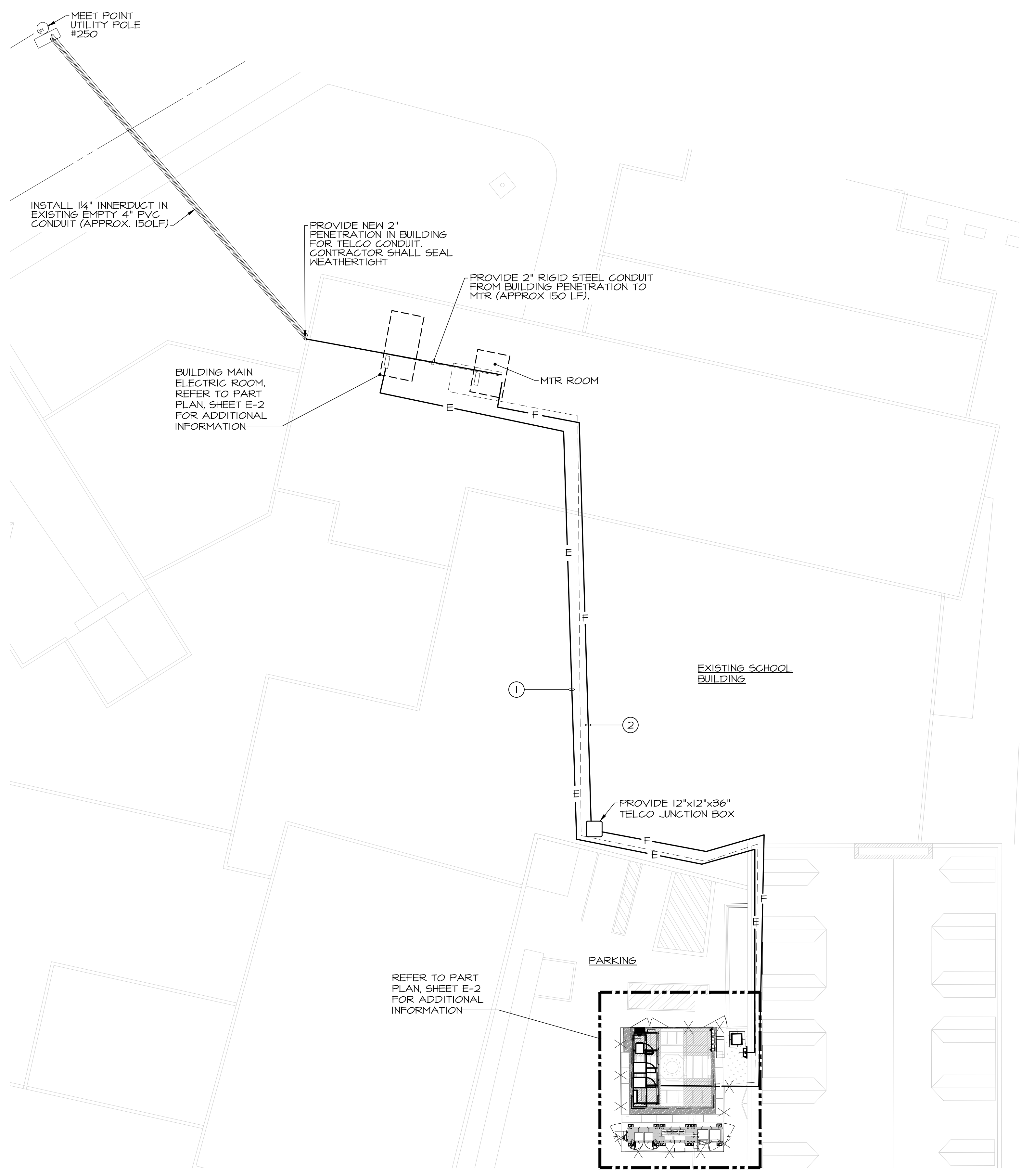
SHEET NUMBER  
**G-2**



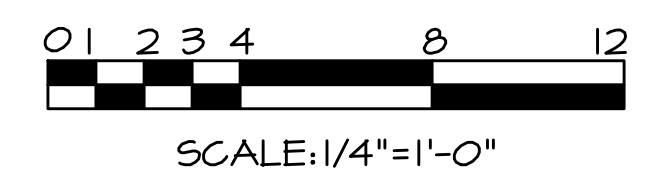
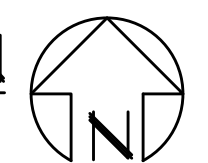
A B C D E F G H J K L M N P Q

**DRAWING NOTES**

- ① EXTEND 3#4/0+4 GRD - 2" CONDUIT FROM NEW 3P225A CIRCUIT BREAKER MOUNTED IN EXISTING SWITCHBOARD LOCATED IN BUILDING MAIN ELECTRIC ROOM. EXTEND FEEDER THROUGH DROP CEILING, DOWN HALLWAY AND PUNCH THROUGH EXTERIOR WALL DOWN EXTERIOR WALL AND BE SUPPORTED BY SLEEPERS TO PROPOSED WEATHERPROOF 600 VOLT RATED SAFETY DISCONNECT SWITCH MOUNTED ON UTILITY BACK BOARD. SEAL ALL PENETRATIONS WITH APPROVED WEATHERPROOF SEALANT.
- ② EXTEND TWO (2) - 2" CONDUITS WITH NYLON PULL ROPE FROM PROPOSED TELCO BACK BOARD LOCATED IN SCHOOL TELEPHONE CLOSET #144A AND EXTEND THROUGH DROP CEILING, DOWN HALLWAY AND PUNCH THROUGH EXTERIOR WALL DOWN EXTERIOR WALL AND BE SUPPORTED BY SLEEPERS TO PROPOSED AT&T TEMPORARY FLX2I CABINET. SEAL ALL PENETRATIONS WITH APPROVED WEATHERPROOF SEALANT. COORDINATE FIBER ROUTING WITH AT&T REPRESENTATIVE IN THE FIELD.



**SITE PLAN**  
SCALE: 1/16" = 1'-0"



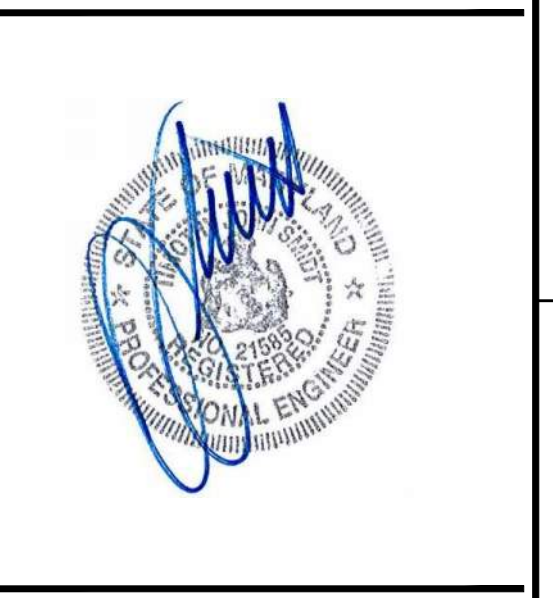
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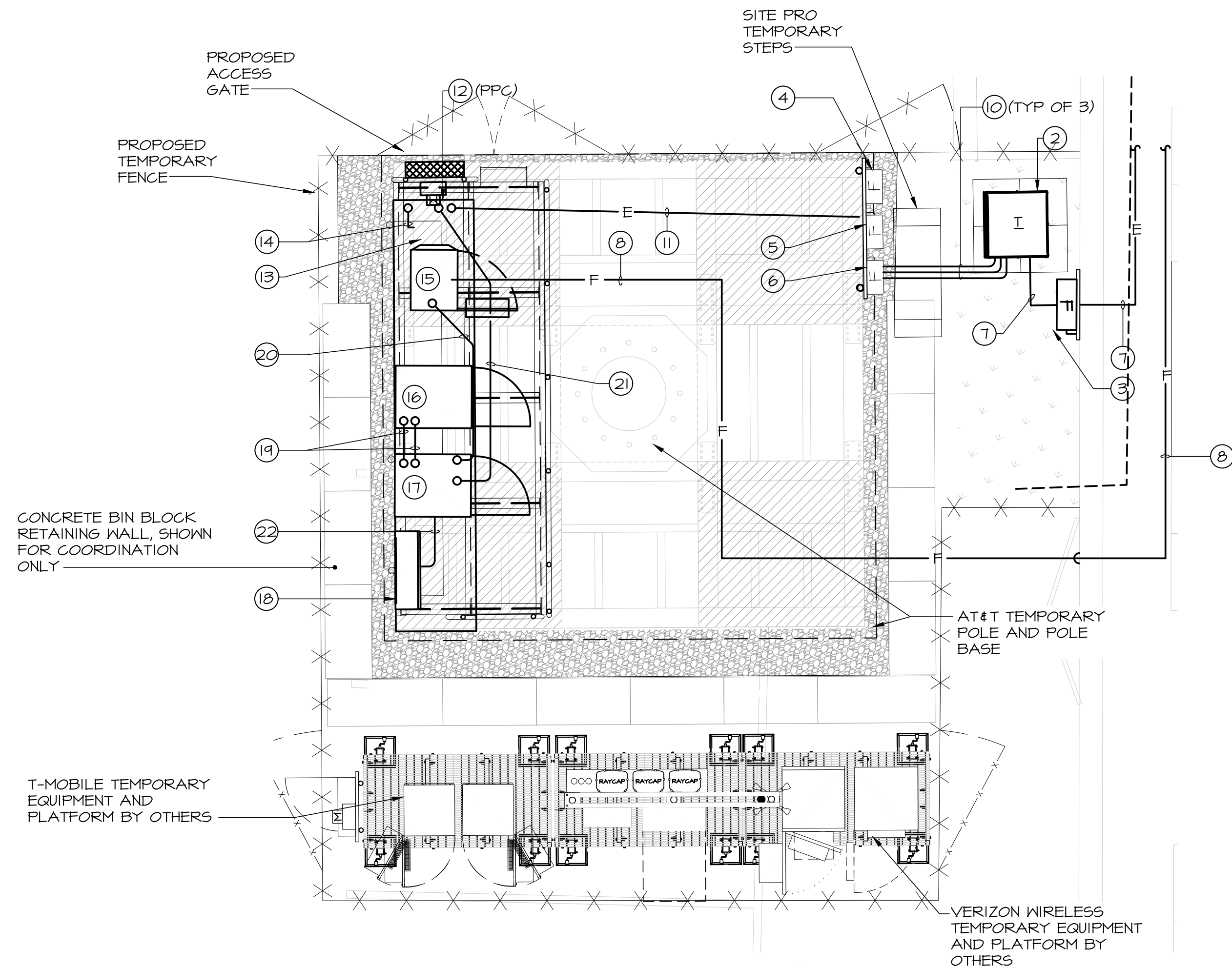
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SHEET TITLE  
**Site Plan and Notes**

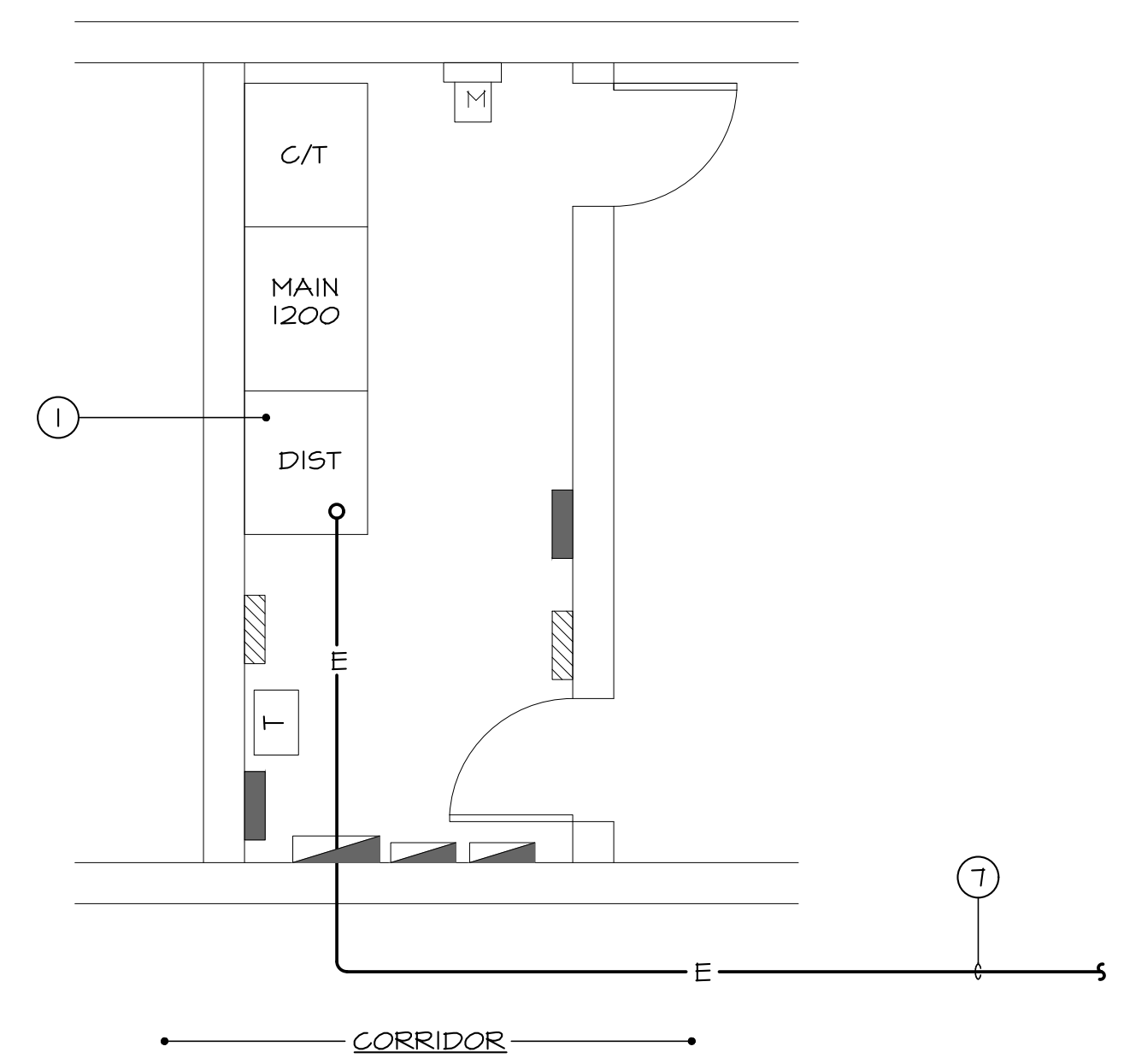
SHEET NUMBER  
**E-1**



A B C D E F G H J K L M N P Q



22 POWER PLAN  
SCALE: 1/4" = 1'-0"



PART PLAN - ELECTRIC ROOM  
SCALE: 1/4" = 1'-0"

**DRAWING NOTES**

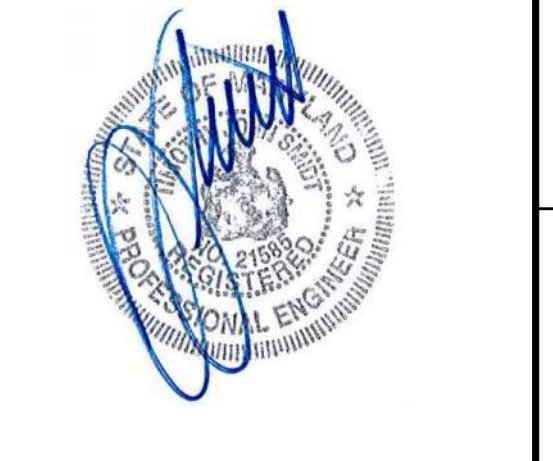
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- 2 PROPOSED 480 VOLT, 3Ø, 3W DELTA - 120/208 VOLT, 3Ø, 4W WYE, WEATHERPROOF 150 KVA TRANSFORMER MOUNTED ON 2'X2' CONCRETE PADS. ADJUST TAP SETTING TO ACCOMMODATE FOR VOLTAGE DROP LOSSES.
- 3 PROVIDE NEW WEATHERPROOF 600 VOLT, 3P400A SAFETY DISCONNECT SWITCH MOUNTED ON KINDORF BACKBOARD. PROVIDE PHENOLIC NAMEPLATE READING "150 KVA TRANSFORMER PRIMARY DISCONNECT SWITCH".
- 4 PROVIDE NEW WEATHERPROOF 240V, 2P200A RATED DISCONNECT SWITCH FUSED @ 200 AMPS AND MOUNTED ON NEW UTILITY BACKBOARD. PROVIDE PHENOLIC NAMEPLATE READING "AT&T TEMP EQUIPMENT". CONNECT TO TRANSFORMER SECONDARY A AND B PHASES.
- 5 PROVIDE NEW WEATHERPROOF 240V, 2P200A RATED DISCONNECT SWITCH FUSED @ 200 AMPS AND MOUNTED ON NEW UTILITY BACKBOARD. PROVIDE PHENOLIC NAMEPLATE READING "MOBILE TEMP EQUIPMENT". CONNECT TO TRANSFORMER SECONDARY B AND C PHASES.
- 6 PROVIDE NEW WEATHERPROOF 240V, 2P200A RATED DISCONNECT SWITCH FUSED @ 200 AMPS AND MOUNTED ON NEW UTILITY BACKBOARD. PROVIDE PHENOLIC NAMEPLATE READING "VERIZON TEMP EQUIPMENT". CONNECT TO TRANSFORMER SECONDARY C AND A PHASES.
- 7 EXTEND 3#4/0+ #4 GRD - 2" CONDUIT FROM NEW 3P225A BREAKER MOUNTED IN EXISTING SPACE LOCATED IN BUILDING MAIN ELECTRIC ROOM SWITCHBOARD. EXTEND FEEDER THROUGH DROP CEILING, DOWN HALLWAY AND PUNCH THROUGH EXTERIOR WALL DOWN EXTERIOR WALL AND BE SUPPORTED BY SLEEPERS TO PROPOSED 120/240V, 1Ø, 3W 600A SAFETY DISCONNECT SWITCH MOUNTED ON UTILITY BACK BOARD. SEAL ALL PENETRATIONS WITH APPROVED WEATHERPROOF SEALANT. CONTRACTOR SHALL CALCULATE VOLTAGE DROP PER N.E.C. WITH LINEAR FEET OF APPROVED CABLE ROUTING PRIOR TO INSTALLATION.
- 8 EXTEND TWO (2) - 2" CONDUIT WITH NYLON PULL ROPE FROM PROPOSED Telo BACK BOARD LOCATED IN SCHOOL TELEPHONE CLOSET #144A AND EXTEND THROUGH DROP CEILING, DOWN HALLWAY AND PUNCH THROUGH EXTERIOR WALL DOWN EXTERIOR WALL AND BE SUPPORTED BY SLEEPERS TO PROPOSED AT&T TEMPORARY FLX21 CABINET. SEAL ALL PENETRATIONS WITH APPROVED WEATHERPROOF SEALANT. COORDINATE FIBER ROUTING WITH AT&T REPRESENTATIVE IN THE FIELD.
- 9 EXTEND 3#4/0+ #4 GRD - 2" CONDUIT FROM 600 VOLT, 3P400A PRIMARY SAFETY DISCONNECT TO 150 KVA TRANSFORMER PRIMARY.
- 10 EXTEND 3#3/0+2 AWG GRD - 2" CONDUIT FROM 150 KVA TRANSFORMER SECONDARY SIDE TO EACH PROPOSED TEMPORARY PRO WALKWAY.
- 11 EXTEND 3#3/0+4 AWG GRD - 2" CONDUIT FROM AT&T 2P200A FUSED DISCONNECT TO AT&T 120/240V, 1Ø, 3W, 200A 42 POLE INTERSECT PANEL P (MODEL#AA-6-12200-35-3R-CL-R).
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- 14 PROVIDE NEW 2P15AMP CIRCUIT BREAKER IN AVAILABLE SPACE FOR SERVICE TO AT&T METER. PROVIDE 3#12+GRD-3/4" CDT BETWEEN METER AND CIRCUIT BREAKER. PROVIDE UPDATED PANEL DIRECTORY PER N.E.C. TO READ "AT&T SUB-METER".
- 15 PROPOSE AT&T FLX21 CABINET MOUNTED ON EQUIPMENT RAILING AT TEMPORARY TOWER BASE.
- 16 PROPOSED AT&T NETSURE BATTERY CABINET MOUNTED ON EQUIPMENT RAILING AT TEMPORARY TOWER BASE.
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- 19 EXTEND 2 SETS (4#4/0 - 4" SEALTIGHT CONDUIT) FROM PROPOSED NETSURE BATTERY CABINET TO NETSURE 512 POWER CABINET.
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- 21 PROVIDE 6#8AWG-3#8 GRD IN 2" PVC CONDUIT BETWEEN PROPOSED INTERGRATED PANEL P AND NETSURE 512 POWER CABINET MOUNTED ON EQUIPMENT RAILING AT TEMPORARY TOWER BASE, FOR CONNECTION TO RECTIFIER SHELVES. COORDINATE EXACT ROUTING IN THE FIELD.
- 22 CONDUIT ROUTING IS DIAGRAMMATIC, EXACT CONDUIT ROUTE SHALL BE COORDINATED WITH T-MOBILE REPRESENTATIVE IN THE FIELD.



SITE ID: SIMD010145  
 SITE NAME: DUNNAVANT RELO FOR BOYER PLACE (YESHIVA TEMP)  
 (FA NUMBER: 12573579)  
 SITE ADDRESS: 2010 LINDEN LANE ROCKVILLE, MD 20910 MONTGOMERY COUNTY

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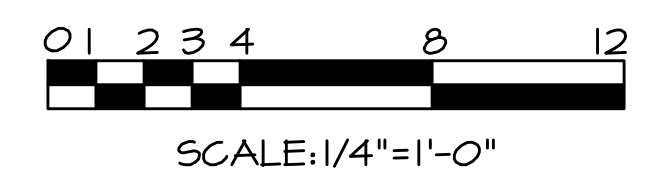
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SHEET TITLE  
**Power Plan and Electric Room Part Plan**

SHEET NUMBER

**E-2**

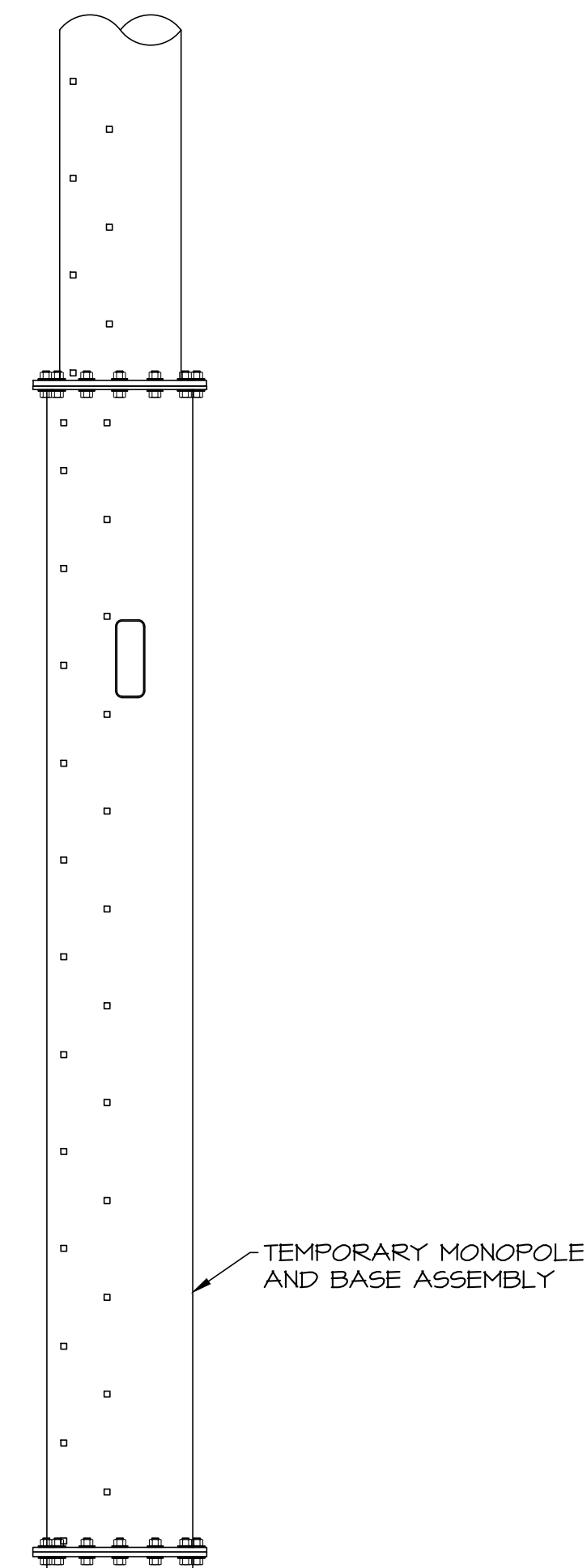




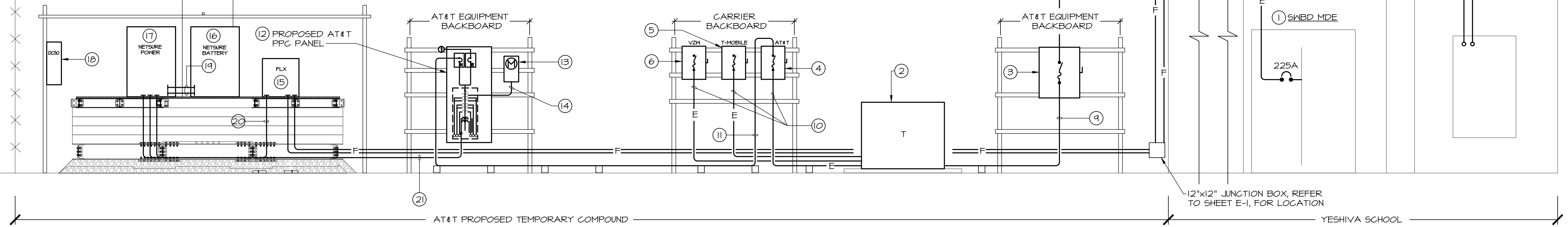
A B C D E F G H J K L M N P Q

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- ⑪ EXTEND 3/3"Ø#4 AWG GRD - 2" CONDUIT FROM ATT 2P200A FUSED DISCONNECT TO AT&T 120/240V, 1Ø, 3W, 200A 42 POLE INTERSECT PANEL P (MODEL#AA-G-12200-35-3R-CL-R).
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TEMPORARY CHAIN LINK FENCE TO MATCH EXISTING



㉒ POWER RISER  
NO SCALE



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SHEET TITLE  
POWER RISER,  
AND NOTES

SHEET NUMBER

E-3



**GENERAL NOTES**

- ALL GROUND CONNECTIONS BELOW GRADE SHALL BE EXOTHERMIC (CADWELD) TO THE NEAREST GROUND ROD. PROVIDE AND INSTALL ADDITIONAL GROUND RODS AS REQUIRED. NO FLOATING CONNECTIONS ARE PERMITTED. MULTIPLE CONNECTIONS TO A SINGLE GROUND ROD ARE PERMITTED IF THE PROPER MOLDS ARE USED.
- ALL EXTERIOR GROUND CONDUCTORS SHALL BE #2 AWG, BARE COPPER PIGTAIL UNLESS OTHERWISE INDICATED.
- ALL EXTERIOR GROUND CONNECTIONS SHALL BE FORMED USING CADWELD CONNECTIONS. CONTRACTOR SHALL APPLY COLD-GALV OR EQUIVALENT TO ALL ABOVE GROUND CADWELD CONNECTIONS.
- ALL BRANCH CIRCUITS SHALL CARRY A FULL SIZED GROUND CONDUCTOR (UNLESS NOTED OTHERWISE).
- ALL CONDUIT FITTINGS SHALL BE STEEL ONLY. DIE-CAST FITTINGS WILL NOT BE ACCEPTED.
- AT&T'S EQUIPMENT SHOWN LIGHTLY FOR REFERENCE ONLY. ALL NEW WORK SHOWN DARKLY.
- PROVIDE PHENOLIC NAMEPLATES FOR ALL ELECTRICAL AND AT&T PROVIDED EQUIPMENT (POWER DISTRIBUTION RACK, ETC.). COORDINATE EQUIPMENT TITLES WITH AT&T REPRESENTATIVE.
- ALL EXTERIOR MECHANICAL GROUND CONNECTIONS SHALL BE COATED WITH CORROSION RESISTANT MATERIAL (NO-OX).
- ALL MECHANICAL GROUND CONNECTIONS SHALL BE MADE WITH TINNED COPPER TWO (2) HOLE CONNECTORS AS MANUFACTURED BY T&B OR APPROVED EQUAL.
- THE CONTRACTOR SHALL NOT WELD, DRILL, OR CUT GALVANIZED MATERIAL.
- CONTRACTOR SHALL APPLY COLD-GALV OR EQUIVALENT TO ALL ABOVE GROUND CADWELD CONNECTIONS AND TO ANY NICKS, CUTS, SCRATCHES OF GALVANIZED STEEL.

**ELECTRICAL SYMBOLS LIST**

NOTE: ALL MOUNTING HEIGHTS ARE TO CENTER LINE OF THE OUTLET BOX UNLESS OTHERWISE INDICATED.

- DRAWING NOTE
- BURIED ELECTRIC CONDUITS
- SEALTIGHT BRANCH CIRCUIT WIRING
- GROUND CONDUCTOR BELOW GRADE
- BURIED GROUND ROD

**ABBREVIATIONS**

- AFF - ABOVE FINISHED FLOOR
- MTD - MOUNTED
- C, CDT - CONDUIT
- UG - UNDERGROUND
- EX - EXISTING
- V - VOLTS
- GRD - GROUND
- LF - LINEAR FEET
- TYP - TYPICAL
- WP - WEATHERPROOF

7150 STANDARD DRIVE  
HANOVER, MD 21075

TELECENT ENGINEERING INC.  
2216 Commerce Road, Suite 1  
Forest Hill, MD 21050  
410-892-5816  
www.tel-eng.com

1997 ANNAPOLIS EXCHANGE PARKWAY,  
SUITE 200 ANNAPOLIS, MD 21401  
PHONE: (410) 263-5465  
FAX: (410) 220-2962

**SITE ID:**  
SIMD010145  
**SITE NAME:**  
DUNNAVANT RELO FOR BOYER  
PLACE (YESHIVA TEMP)  
(FA NUMBER: 12573579)  
**SITE ADDRESS:**  
2010 LINDEN LANE  
ROCKVILLE, MD 20910  
MONTGOMERY COUNTY

**REVISION BLOCK**

NO.	DESCRIPTION	DATE
4	TELCO REVISION	03/21/2024
3	RETAINING WALL	12/15/2023
2	COUNTY COMMENTS	01/20/2023
1	PERMIT DWGS	01/13/2023

**(EXISTING) SWITCHBOARD MDE (SURFACE)**

POLE NUMBER	SERVES	BREAKER POLE/SIZE	CONDUCTOR/CONDUIT SIZE	GRD
1	AT&T/MO/VZV	3P 225A	3#4/O - 2" C	#6
2	SPACE	-	-	-
3	SPACE	-	-	-
4	SPACE	-	-	-
5	ELEV. #1 & #2	3P 175A	3#2/O - 2" C	#6
6	SPACE	-	-	-
7	PNL LC2	3P 225A	3#2/O - 2" C	#6
8	PNL LD1	3P 100A	3#1 - 1 1/2" C	#8
9	PNL LD3	3P 225A	3#2/O - 2" C	#6
10	PNL LB2	3P 225A	3#2/O - 2" C	#6
11	PNL LC1	3P 300A	2 9ETS (4#3/O - 2" C)	#3
12	PNL LA2	3P 300A	2 9ETS (4#3/O - 2" C)	#3
13	PNL LA3	3P 400A	2 9ETS (4#3/O - 2" C)	#3
14	PNL LB1	3P 400A	2 9ETS (4#3/O - 2" C)	#3
15	PNL LAL	3P 400A	2 9ETS (4#3/O - 2" C)	#3
16	PNL LC3	3P 600A	2 9ETS (4#3/O - 2" C)	#3

EXISTING BUILDING LOAD: 1,882.2 KVA  
 AT&T/MO/VZV LOAD: 152.0 KVA  
 TOTAL LOAD: 2,034.2 KVA = 2,445.5A @ 277/480V, 3φ, 4W

\* PANELBOARD FEEDERS ARE SIZED FOR MAIN OVERCURRENT DEVICE PER N.E.C. ARTICLE 215-2  
 \*\* ALL LOADS ARE BASED UPON N.E.C. ARTICLE 220

**(NEW) ① PANEL P**

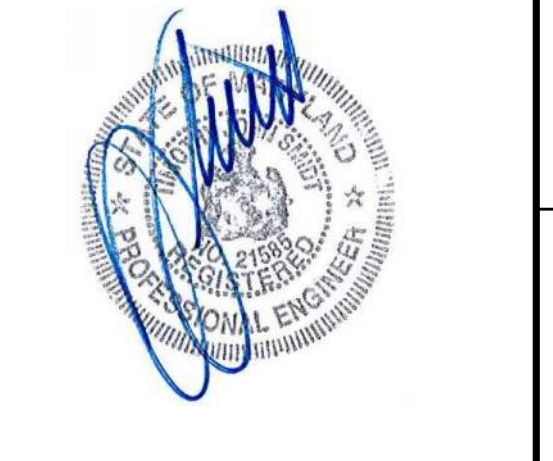
120/240 VOLTS 1φ 3 WIRE 200 AMP MCB				
DESCRIPTION	B K R	C K T	B K R	DESCRIPTION
RECTIFIER SHELF 1&2	30	1	2	RECTIFIER SHELF 9&10
		3	4	
RECTIFIER SHELF 3&4	30	5	6	RECTIFIER SHELF 11&12
		7	8	
RECTIFIER SHELF 5&6	30	9	10	AT&T SUB-METER
		11	12	
RECTIFIER SHELF 7&8	30	13	14	SPACE
		15	16	SPACE
SPACE	-	17	18	SPACE
SPACE	-	19	20	SPACE
SPACE	-	21	22	SPACE
SPACE	-	23	24	SPACE
SPACE	-	25	26	SPACE
SPACE	-	27	28	SPACE
SPACE	-	29	30	SPACE
SPACE	-	31	32	SPACE
SPACE	-	33	34	SPACE
SPACE	-	35	36	SPACE
SPACE	-	37	38	SPACE
SPACE	-	39	40	SPACE
SPACE	-	41	42	SPACE

LOAD CALCULATION:  
 AT&T EQUIPMENT LOAD: 17.4 KVA  
 TOTAL: 17.4 KVA

TOTAL LOAD: 83.6 AMPS @ 120/208V, 1φ

**DRAWING NOTES**

- PROPOSED NEW 120/240V, 1φ, 3W, 200A 42 POLE INTERSECT PANEL P (MODEL #AA-G-12200-35-3R-CL-R) WITH INTEGRAL AUTOMATIC TRANSFER SWITCH AND GAMBIX MOUNTED ON NEW H-FRAME BACKBOARD. REFER TO POWER RISER, SHEET E-3 FOR ADDITIONAL INFORMATION.



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, TIMOTHY JOHN SMIDT, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21585, EXPIRATION DATE: MAY 08, 2025.

DRAWN BY: BLN  
 DESIGNED BY: BLN/TJS  
 ORIGINAL DATE: 06/16/2023  
 TEI PROJECT#: 23019L  
 DESIGN SCALE: AS NOTED

Know what's below.  
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**SHEET TITLE**  
 SYMBOLS LIST,  
 PANEL SCHEDULES  
 AND NOTES

**SHEET NUMBER**

**E-4**