

GENERAL NOTES

- THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
- THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
- THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE VERIZON REPRESENTATIVE OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES, THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
- THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIAL, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
- THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON AN ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/ VENDOR'S SPECIFICATIONS UNLESS OTHERWISE NOTED OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY, OR LOCAL GOVERNMENT AUTHORITY.
- THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVEMENTS, CURBING, ETC. DURING CONSTRUCTION UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
- THE CONTRACTOR SHALL MAINTAIN THE GENERAL WORK AREA AS CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DEBRIS, TRASH, AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. DETAILS OF EQUIPMENT TO BE INCLUDED IN RFQ PACKAGE, PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
- THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
- THE CONTRACTOR SHALL NOTIFY THE VERIZON REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE VERIZON REPRESENTATIVE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
- ALL UNISTRUT, HARDWARE, AND OUTDOOR JUNCTION BOXES SHALL BE GALVANIZED STEEL. FOR FIELD CUTS OF GALVANIZED ITEMS, FIRST COAT SHALL BE COLD GALVANIZED AND SECOND COAT SHALL BE MARINE GRADE GALVANIZED.
- GENERAL CONTRACTOR TO PROVIDE PORTABLE BATHROOM FACILITIES DURING CONSTRUCTION.
- RETURN ANY UNUSED MATERIALS WITH REQUIRED DOCUMENTATION TO THE VERIZON WAREHOUSE WITHIN 14 DAYS OF PROJECT COMPLETION. RETURNED MATERIAL NEEDS TO BE ACCOMPANIED WITH AN RMA FORM AND PACKAGING REQUIREMENTS STIPULATED BY THE VZN CONSTRUCTION ENGINEER.
- WITHIN 24 HOURS, CONTRACTOR SHALL OPEN A REMEDY TICKET WITH THE VZN NOCC AND PERFORM DAILY VISUAL MONITORING OR PROVIDE A WIRELESS MONITORING DEVICE UNTIL THE SITE IS ON AIR.
- FILL OUT THE PROVIDED ENVIRONMENTAL EVALUATION SUMMARY (EES) AND SUBMIT WITHIN 24 HOURS OF COMPLETION OF THE WORK OUTLINED IN ATTACHMENT 'A' OF THE FORM.
- CONTRACTOR IS RESPONSIBLE FOR STORAGE OF ALL MATERIALS PROVIDED BY VERIZON, AND IS LIABLE FOR THOSE MATERIALS ONCE PICKED UP FROM THE WAREHOUSE.
- CONTRACTOR SHALL PERFORM A PUNCH WALK WITH VZN CONSTRUCTION & OPERATION REPRESENTATIVE PRIOR TO DECLARING CONSTRUCTION COMPLETE.
- REFER TO THE VZN SIGNAGE AND DEMARCATION POLICY DOCUMENT FOR ALL ROOFTOP SITES TO ENSURE PROPER SIGNAGE AND BARRIERS ARE IN PLACE. FCC SIGNAGE MUST BE POSTED ON SITE FOR NEW TOWERS UPON BREAKING GROUND. THE FCC REGISTRATION # MUST BE VISIBLE FROM THE ENTRANCE TO THE CELL SITE FROM THE ROAD, THEN AT THE BASE OF THE TOWER. THE GC MUST COMMUNICATE WITH CONSTRUCTION & RF ENGINEERING TO VERIFY THEY ARE IN AGREEMENT WITH COMPLIANCE.
- GENERAL CONTRACTOR SHALL PROVIDE A 10LB. DRY-CHEMICAL FIRE EXTINGUISHER ON SITE DURING CONSTRUCTION. UPON COMPLETION OF ALL WORK, CONTRACTOR SHALL REMOVE FIRE EXTINGUISHER FROM SITE.

CODE ANALYSIS OVERALL SITE

APPLICABLE BUILDING CODES:	2013 DC BUILDING CODE
	2012 IBC WITH 2013 DCMR12A SUPPLEMENT
	2012 IEBC WITH 2013 DCMR12J SUPPLEMENT.
	2011 NEC WITH 2013 DCMR12C SUPPLEMENT
	2012 IFGC WITH 2013 DCMR12D SUPPLEMENT.
	2012 IFC WITH 2013 DCMR12H SUPPLEMENT
	2012 IGCC WITH 2013 DCMR12K SUPPLEMENT
	2012 IECC WITH 2013 DCMR12I SUPPLEMENT
	2012 IPC WITH 2013 DCMR12G SUPPLEMENT
	2012 IMC WITH 2013 DCMR12E SUPPLEMENT
INDUSTRY STANDARDS:	ASCE/SEI 7-2010
	2010 ANSI/AISC 360
	2010 ANSI/AISC 341
	2010 ANSI S1000-07/52
	2009 AISI S1000-07/S1
	2004 ASTM A325 OR A440
	2015 AWS D1.1
	2014 ACI 318
	2011 ACI 530
	2011 ACI 530.1
	2016 TIA 222-G
	2015 TIA 607-C
	2012 IEEE81
	2005 IEEE1100
	2002 IEEE 682.41
	TELCORDIA GR-1275
	TELCORDIA GR-1503
	1991 ANSI T1.311 FOR TELECOM
	2011 NFPA 780
	LIGHTNINGS PROTECTION CODE 2011

EXISTING PRIMARY BUILDING

USE GROUP:	RESIDENTIAL (R2)
CONSTRUCTION TYPE:	IB
BUILDING HEIGHT:	APPROXIMATELY 9'-6"
NUMBER OF STORIES ABOVE GRADE:	NINE (9) + PENTHOUSE
NUMBER OF STORIES BELOW GRADE:	ONE (1)
FIRE PROTECTION:	N/A
BUILDING AREA:	34,040 SQ. FT.
HIGH RISE REQUIREMENTS:	YES

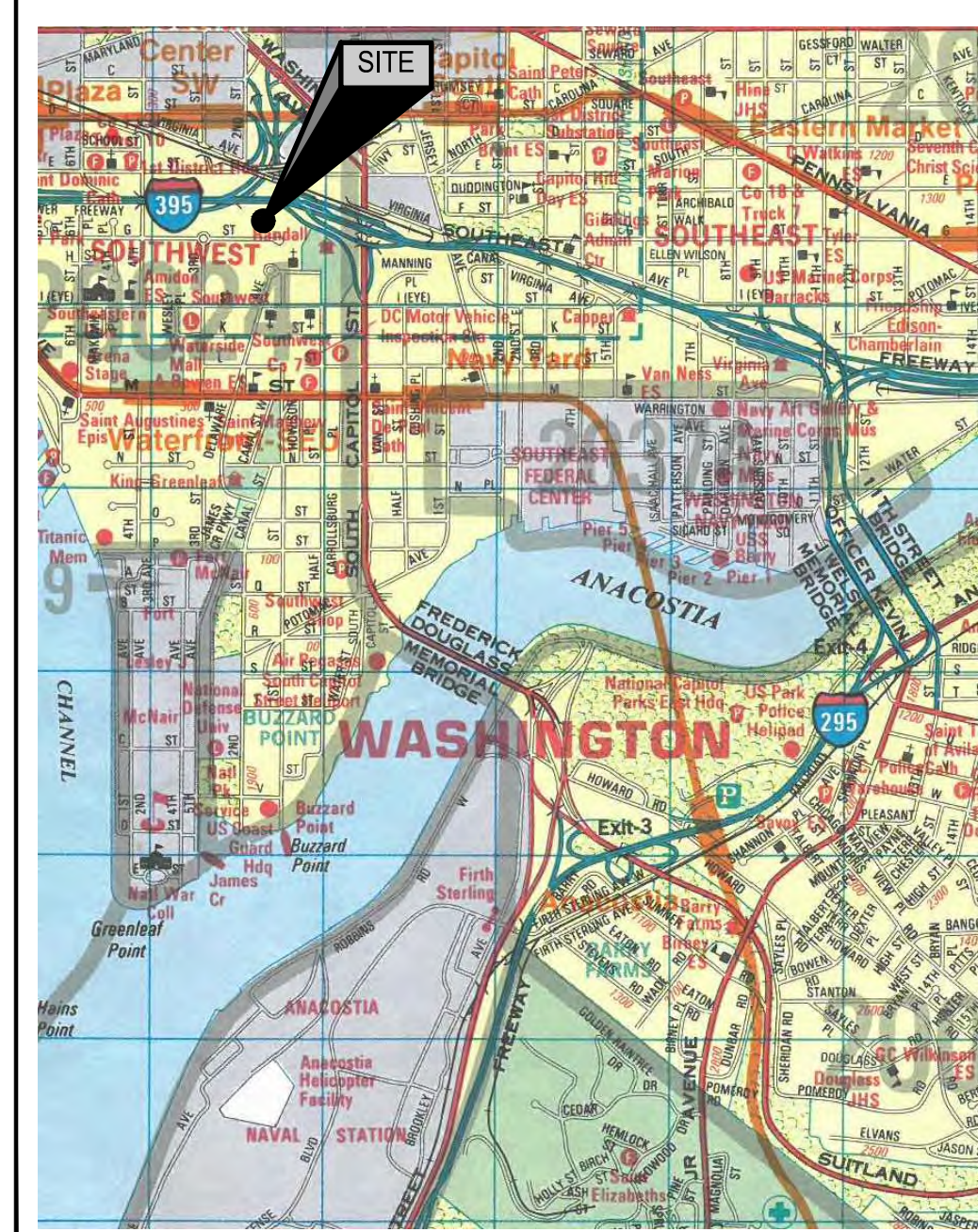
PROPOSED PRIMARY BUILDING

USE GROUP:	BUSINESS (B)
CONSTRUCTION TYPE:	NON COMBUSTIBLE
NUMBER OF STORIES ABOVE GRADE:	ONE (1)
NUMBER OF STORIES BELOW GRADE:	ZERO (0)
FIRE PROTECTION:	N/A
HIGH RISE REQUIREMENTS:	N/A
EQUIPMENT AREA: (VERIZON WIRELESS EQUIPMENT PLATFORM)	150.0 SQ. FT.

INDEX OF DRAWINGS

CS-1	SITE LOCATION AND VICINITY PLAN, INDEX OF DRAWINGS, AND CODE ANALYSIS
C-1	SITE PLAN
C-2	SITE DETAILS
C-3	SITE ELEVATIONS
GC-1	ROOF PLAN, EQUIPMENT PLAN, AND NOTES
S-1	STRUCTURAL DETAILS
S-2	STRUCTURAL DETAILS
S-3	STRUCTURAL DETAILS
S-4	STRUCTURAL NOTES
P-1	GAS PIPE ROUTING PLANS AND NOTES
P-2	SYMBOLS LIST, ABBREVIATIONS, RISER, AND NOTES
E-1	ELECTRICAL SPECIFICATIONS, SYMBOLS LIST, AND SCHEDULE
E-2	POWER RISER DIAGRAM AND NOTES
E-3	ROUTING PLANS AND NOTES
E-4	LIGHTING AND POWER PLAN, SCHEDULE, AND NOTES
E-5	GROUNDING PLANS, DETAIL, AND NOTES
E-6	DETAILS
E-7	DETAILS
E-8	HYBRIFLEX DETAILS AND DIAGRAM
E-9	POLAR POWER DC GENERATOR DETAILS AND NOTES

VICINITY PLAN



verizon ✓
 BEST WESTERN REPLACEMENT
 101 G STREET, SW
 WASHINGTON, D.C. 20024

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A SCREENED EQUIPMENT PLATFORM ON BUILDING ROOF FOR MOUNTING OF TELECOMMUNICATIONS EQUIPMENT AND STAND-BY GENERATOR. THE ASSOCIATED TWELVE (12) ANTENNAS WILL BE FLUSH MOUNTED TO PENTHOUSE EXTERIOR WALL AND MOUNTED BEHIND STEALTH ENCLOSURES ON BUILDING MAIN ROOF.

DIRECTIONS TO SITE

- FROM MONTPELIER ROAD:
- MERGE ONTO I-495 SOUTH
- TAKE EXIT #15-C SOUTH/1-95 SOUTH
- TAKE EXIT #22B FOR BALTIMORE/WASHINGTON PARKWAY
- TAKE EXIT #15-C TOWARD I-695/ROUTE 345/DOWNTOWN
- MERGE ONTO I-695 (SIGNS FOR I-345/DOWNTOWN)
- MERGE ONTO I-345 SOUTH
- TAKE EXIT #5 FOR 6TH STREET SOUTHWEST
- KEEP RIGHT AT THE FORK AND MERGE ONTO E STREET SW
- TAKE 4TH STREET SW TO G STREET SW
- MERGE ONTO E STREET SW
- TURN RIGHT ONTO 4TH STREET SW
- TURN LEFT AT THE 1ST CROSS STREET ONTO G STREET SW
- AT THE TRAFFIC CIRCLE, CONTINUE STRAIGHT TO STAY ON G STREET SW
- BUILDING IS ON THE LEFT

VERIZON WIRELESS REVIEW

BUILDING OWNER	DATE
ENGINEERING	DATE
OPERATIONS	DATE
CONSTRUCTION	DATE



verizon ✓
 BEST WESTERN REPLACEMENT
 101 G STREET, SW
 WASHINGTON, D.C. 20024

REVISIONS:

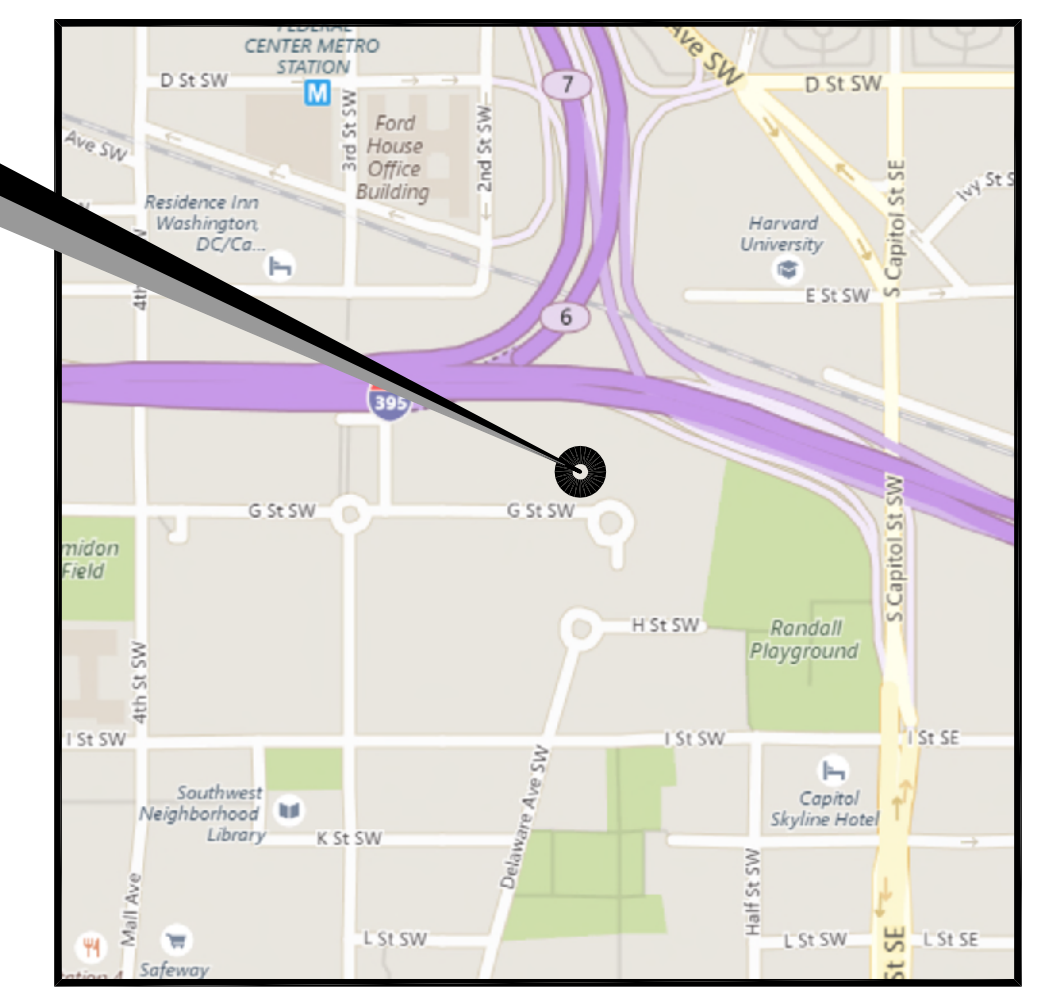
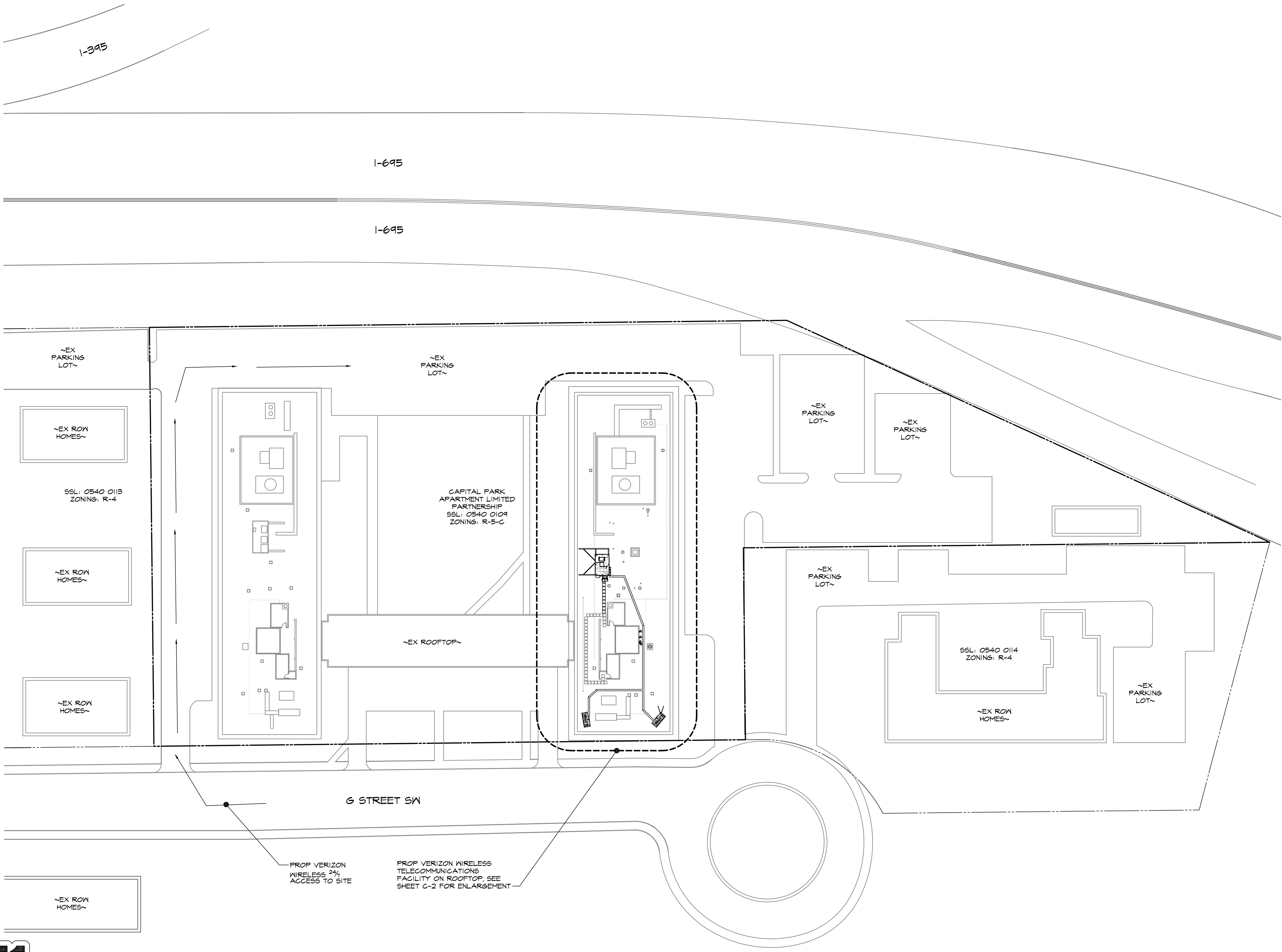
NO.	DESCRIPTION	DATE
	PERMIT DRAWINGS	11/27/17
	ELECTRIC SERVICE REV.	11/17/17

LAST REV.:
 PROJECT NO: 17086P
 DATE: NOVEMBER 17, 2017
 SCALE: AS NOTED

TITLE:
 SITE LOCATION AND VICINITY PLAN, INDEX OF DRAWINGS, AND CODE ANALYSIS

SHEET:
 CS-1
 0001

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



VICINITY MAP
SCALE: 1" = 600'

SITE

SITE NOTES:

- APPLICANT: VERIZON WIRELESS
1602 MONTELENER ROAD, FLOOR 2 SOUTH-NETWORK
LAUREL, MD 20723
TEL: (301) 512-2000
FAX: (301) 512-2184
- PROPERTY OWNER: CAPITAL PARK LIMITED PARTNERSHIP
PO BOX 1928
LA PLATA, MARYLAND 20646-1928
- SITE DATA: SSL: 0540 0104
TRACT AREA: 130,159 SQ FT
WARD: 6
ADDRESS: 101 G STREET SW
WASHINGTON, DC 20004
EXISTING USE: RESIDENTIAL/TELECOMMUNICATIONS
- ZONING: R-5-C
- HORIZONTAL AND VERTICAL CONTROL SHOWN HEREON IS BASED ON A GPS LATITUDE BY MORRIS & RITCHIE ASSOCIATES, INC. DATED MAY 2017. (COORDINATES ARE BASED ON NAD83/COORDS11 AND NAVD83 WITH A TOLERANCE OF 10 FEET HORIZONTALLY AND 3 FEET VERTICALLY)
GROUND ELEVATION: 10' AMSL (AVG.)
LATITUDE: ALPHA SECTOR: N88° 52' 59.11" LONGITUDE: KTTT° 00' 45.64"
BETA SECTOR: N88° 52' 59.11" KTTT° 00' 45.00"
GAMMA SECTOR: N88° 52' 59.11" KTTT° 00' 45.19"
- TOTAL DISTURBED AREA = 0 SF
- THE PROPOSED FACILITIES WILL CONSIST OF ONE (1) 15' LONG x 10' WIDE SCREENED EQUIPMENT PLATFORM ON ROOFTOP. TWELVE (12) ANTENNAS SHALL BE MOUNTED ON AN EXISTING 48'-6" ROOFTOP WITH RAD CENTERS AT ELEVATIONS OF 107'-10" & 102'-6" ABOVE GRADE LEVEL FOR THE RECEPTION OF VERIZON WIRELESS TELECOMMUNICATIONS.
- THE STRUCTURE WILL NOT SUPPORT LIGHTS OR SIGNS UNLESS REQUIRED FOR AIRCRAFT WARNINGS 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. EXISTING SITE FEATURES SHOWN PER SATELLITE IMAGERY, DATED OCTOBER, 2017.
- 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 STEEL PLATFORM 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 STEEL PLATFORM, ANTENNAS AND RELATED MOUNTING DEVICES DO NOT EXCEED TWELVE (12) FEET IN TOTAL HEIGHT.

GENERAL NOTES

- CONTRACTOR SHALL NOTIFY "MISS UTILITY" (M) 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 OTHERS 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.

STRUCTURAL CERTIFICATION NOTES

- STRUCTURAL PLANS CERTIFIED AS PROVIDED IN SECTION 106.1.4.1 OF THE D.C. CONSTRUCTION CODES SUPPLEMENT AS AMENDED TO DATE.

SITE PLAN
SCALE: 1" = 40'-0"



811
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 APPURTAINANT.

STRUCTURAL CERTIFICATION
STRUCTURAL PLANS CERTIFIED AS PROVIDED IN SECTION 106.1.4.1 OF THE D.C. CONSTRUCTION CODES SUPPLEMENT AS AMENDED TO DATE

MRA
MORRIS & RITCHIE ASSOCIATES, INC.
Civil / Structural Engineers
1220-C East Joppa Road, Suite 506
Towson, Maryland 21286
410-821-1890
410-821-1748 Fax



verizon
BEST WESTERN REPLACEMENT
101 G STREET SW
WASHINGTON, DC 20004 (DISTRICT OF COLUMBIA)

REVISIONS:

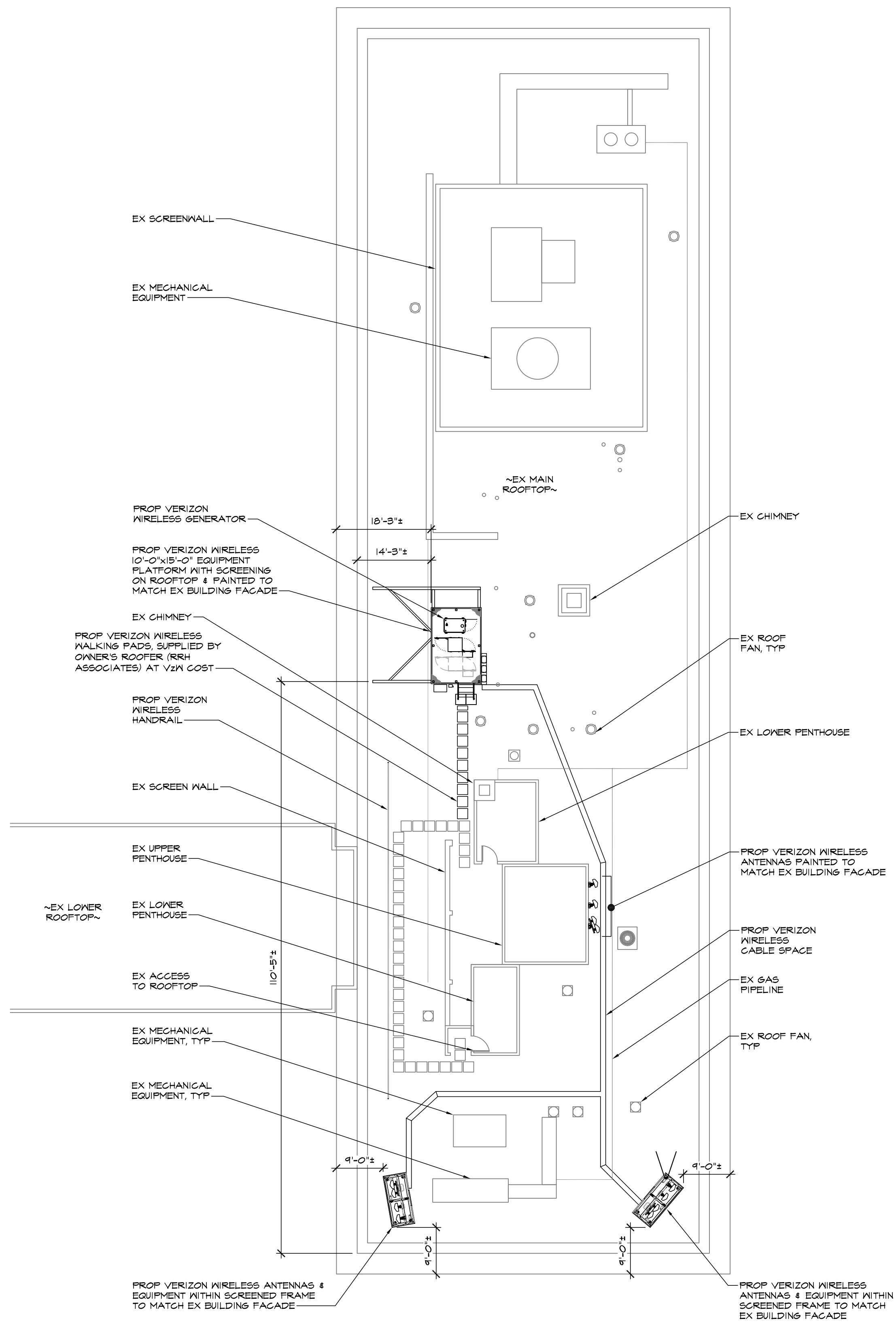
NO.	DESCRIPTION	DATE
1	Permit Set	11-27-2017

DESIGNED BY: JT
DRAWN BY: CJS
PROJECT NO: 10427.2264
DATE: 09/22/2017
SCALE: AS NOTED

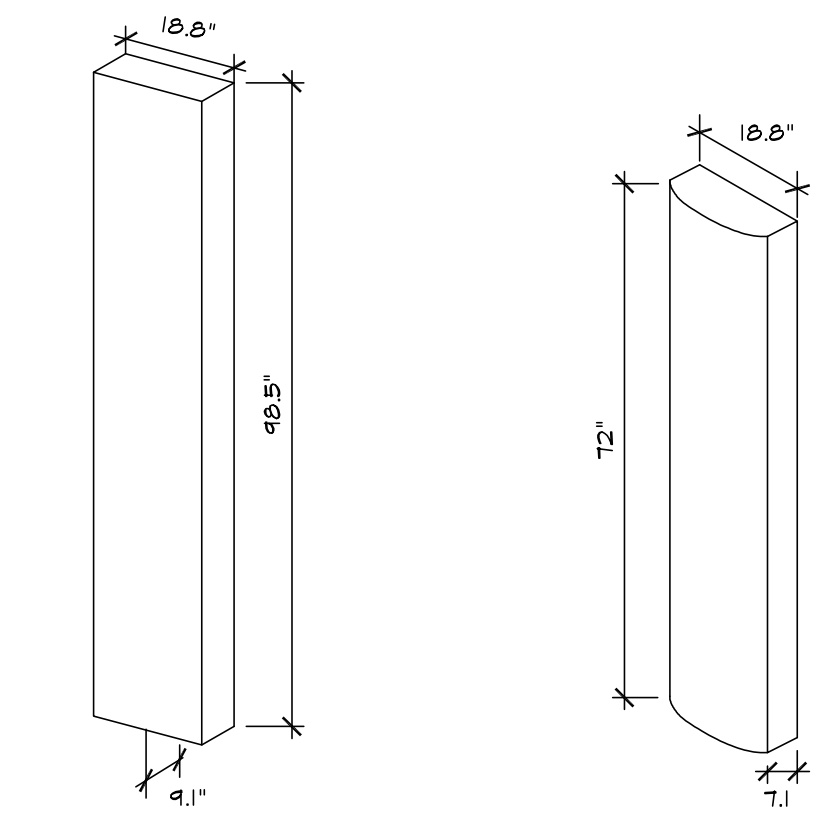
TITLE:
Site Plan

SHEET:
C-1
CIV001

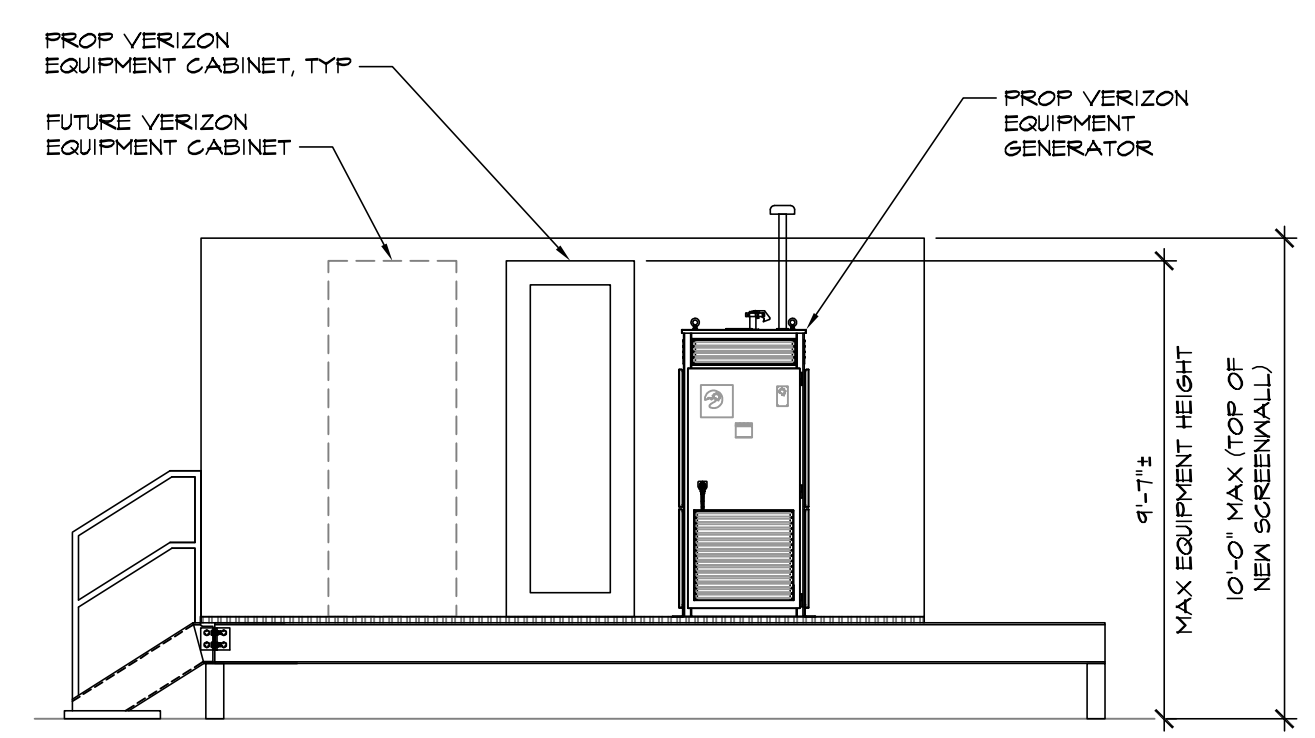
A B C D E F G H I J K L M N P Q R



ENLARGED COMPOUND LAYOUT
SCALE: 1" = 10'-0"



VERIZON WIRELESS ANTENNA DETAILS
NOT TO SCALE



STEEL PLATFORM ELEVATION W/ GENERATOR
SCALE: 1/4" = 1'-0"



MORRIS & RITCHIE ASSOCIATES, INC.
Civil / Structural Engineers
1220-C East Joppa Road, Suite 506
Towson, Maryland 21286
410-821-1690
410-821-1748 Fax



verizon
BEST WESTERN REPLACEMENT
101 G STREET SW
WASHINGTON, DC 20024 (DISTRICT OF COLUMBIA)

REVISIONS:

NO.	DESCRIPTION	DATE
1	Permit Set	11-27-2017

DESIGNED BY: JT
DRAWN BY: CJS
PROJECT NO: 10427.2264
DATE: 09/22/2017
SCALE: AS NOTED

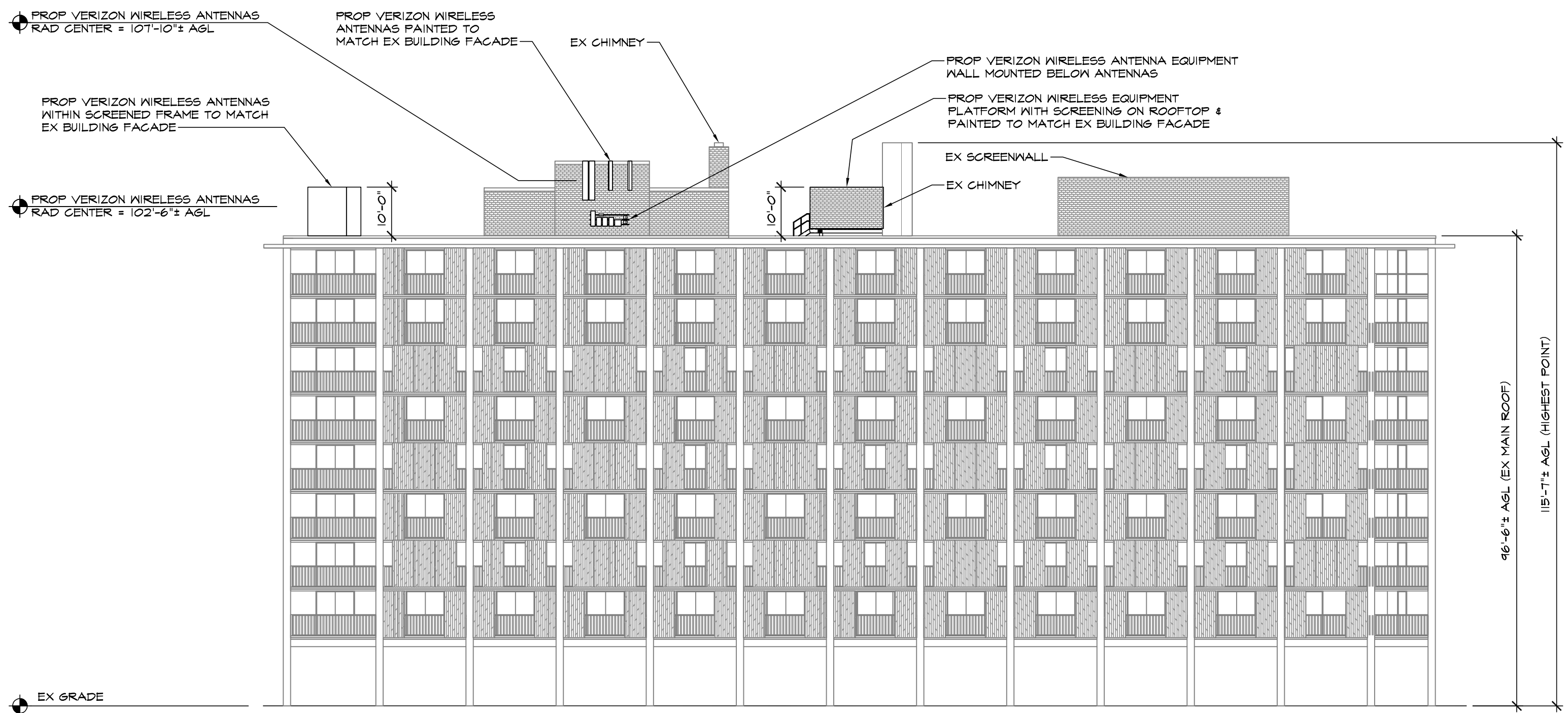
TITLE:
Site Details

SHEET:
C-2
CIV002

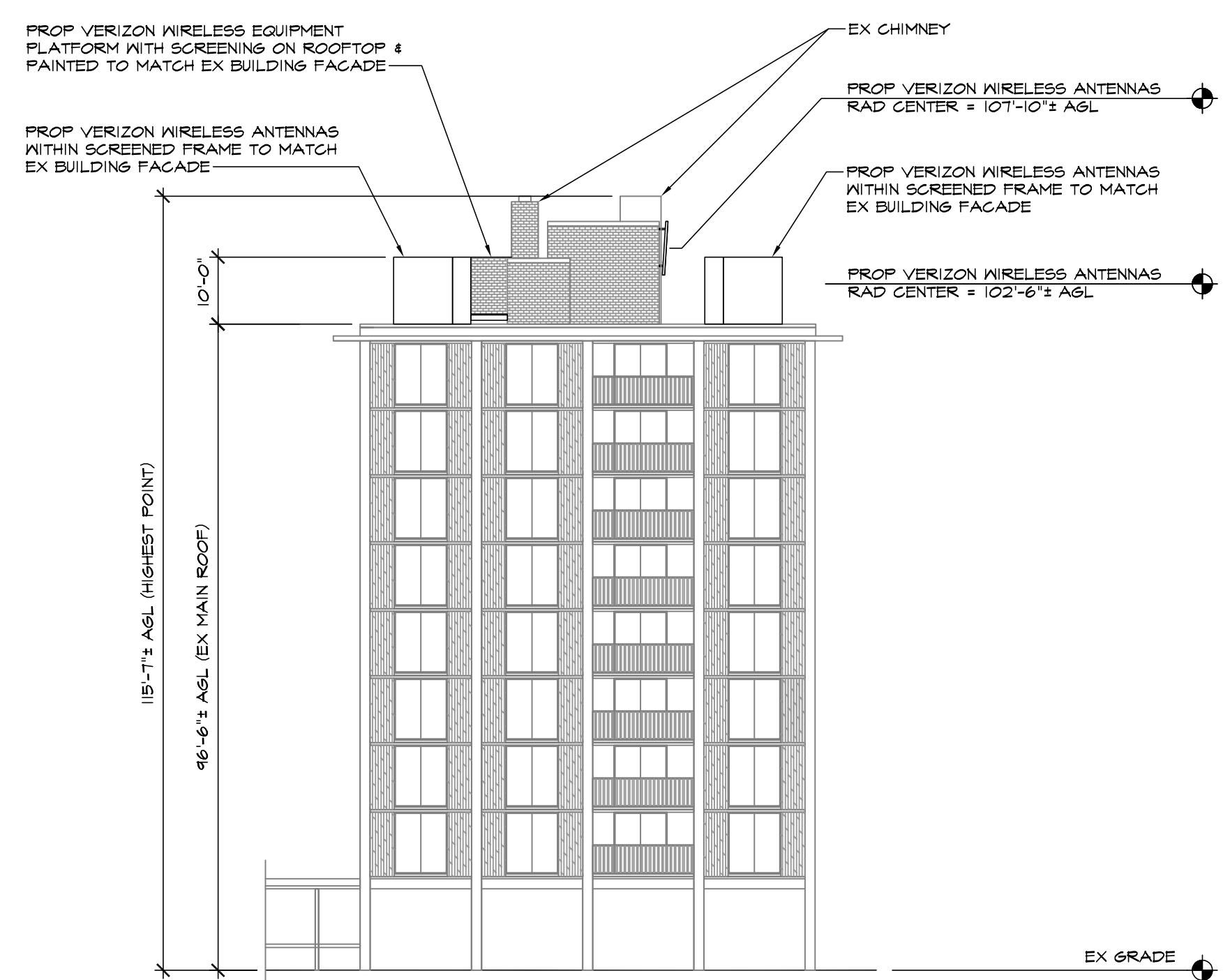
811
Know what's below.
Call before you dig.
PROTECT YOURSELF, GIVE THREE WORKING DAYS NOTICE
THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPURTENANT.

STRUCTURAL CERTIFICATION
STRUCTURAL PLANS CERTIFIED AS PROVIDED IN SECTION 106.141 OF THE D.C. CONSTRUCTION CODES SUPPLEMENT AS AMENDED TO DATE

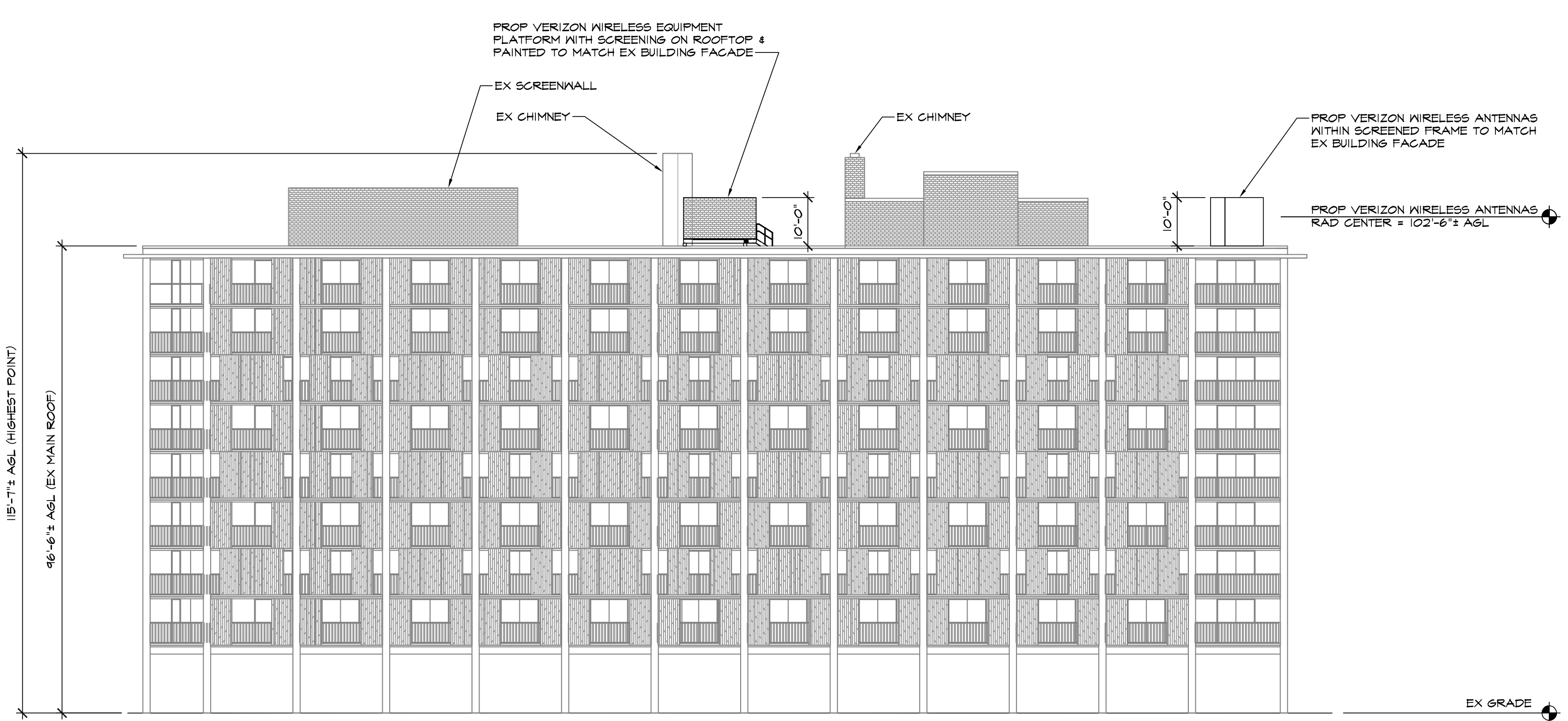
A B C D E F G H J K L M N P Q R



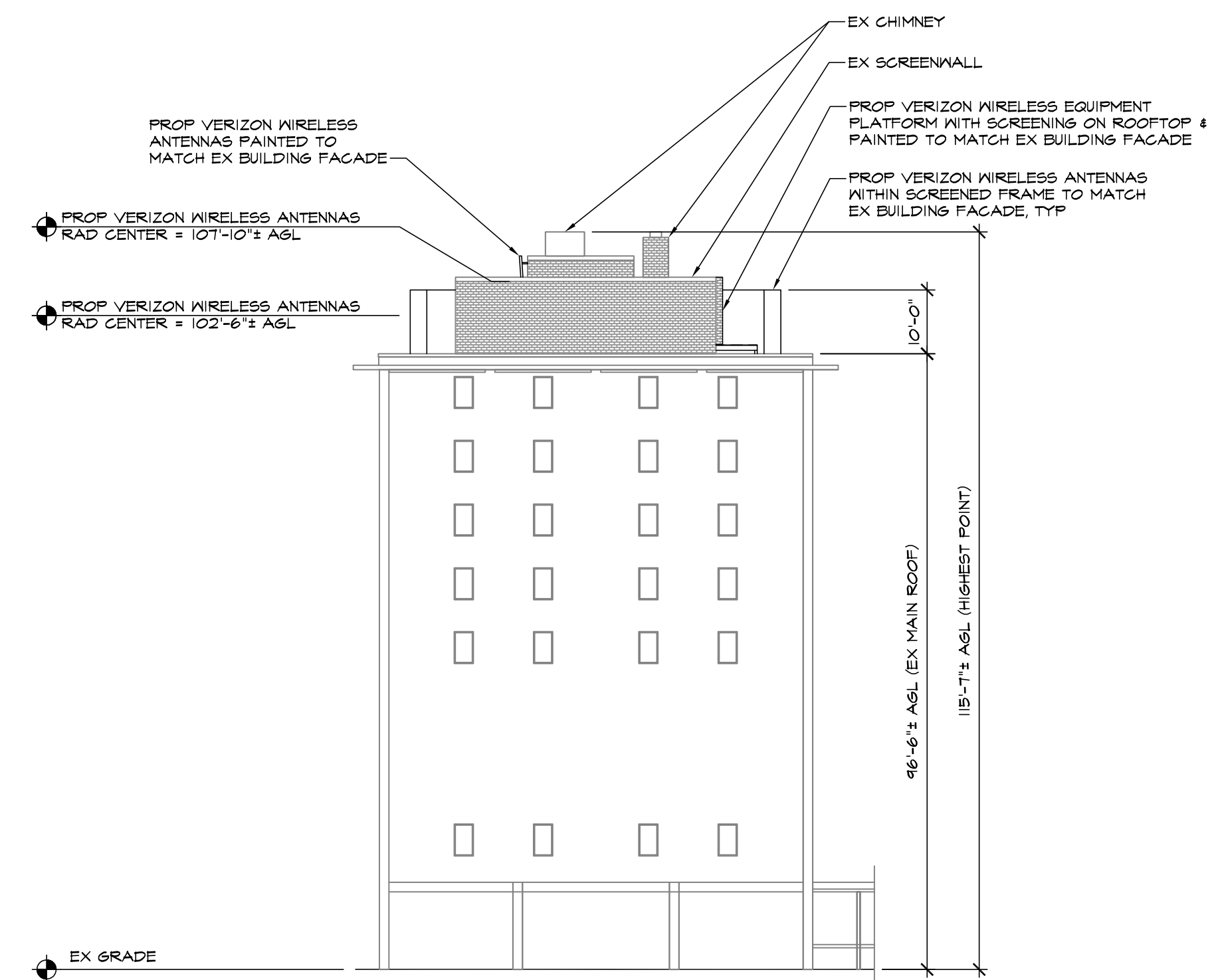
EAST BUILDING ELEVATION
SCALE: 1" = 20'-0"



SOUTH BUILDING ELEVATION
SCALE: 1" = 20'-0"



WEST BUILDING ELEVATION
SCALE: 1" = 20'-0"



NORTH BUILDING ELEVATION
SCALE: 1" = 20'-0"



MORRIS & RITCHIE ASSOCIATES, INC.
Civil / Structural Engineers
1220-C East Joppa Road, Suite 506
Towson, Maryland 21286
410-821-1890
410-821-1748 Fax



verizon
BEST WESTERN REPLACEMENT
101 G STREET SW
WASHINGTON, DC 20024 (DISTRICT OF COLUMBIA)

REVISIONS:

NO.	DESCRIPTION	DATE
1	Permit Set	11-27-2017

DESIGNED BY: JT
DRAWN BY: CJS
PROJECT NO: 10427.2264
DATE: 09/22/2017
SCALE: AS NOTED

TITLE:
Site Elevations

SHEET:
C-3
CIV003

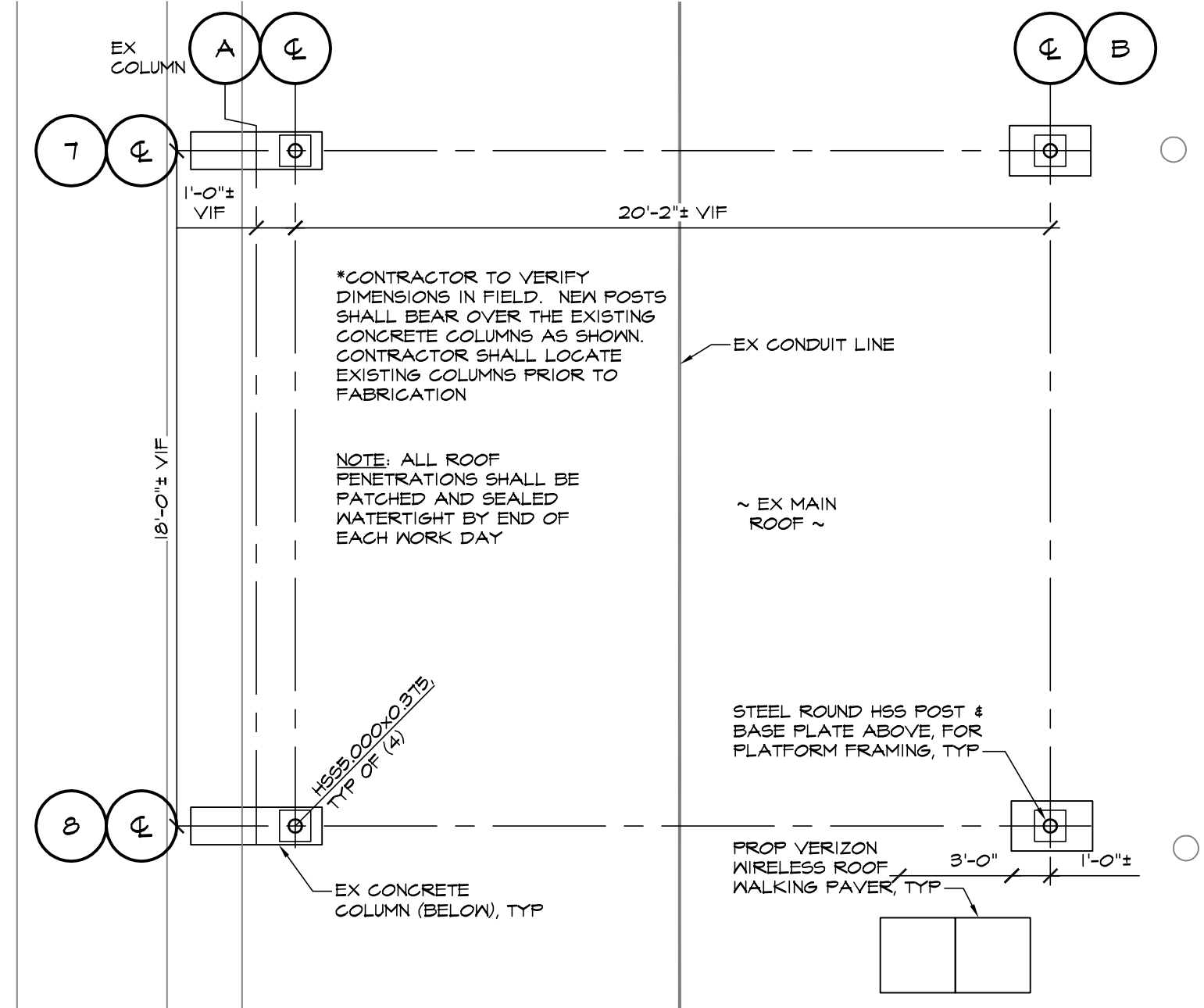


Know what's below. Call before you dig.

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.

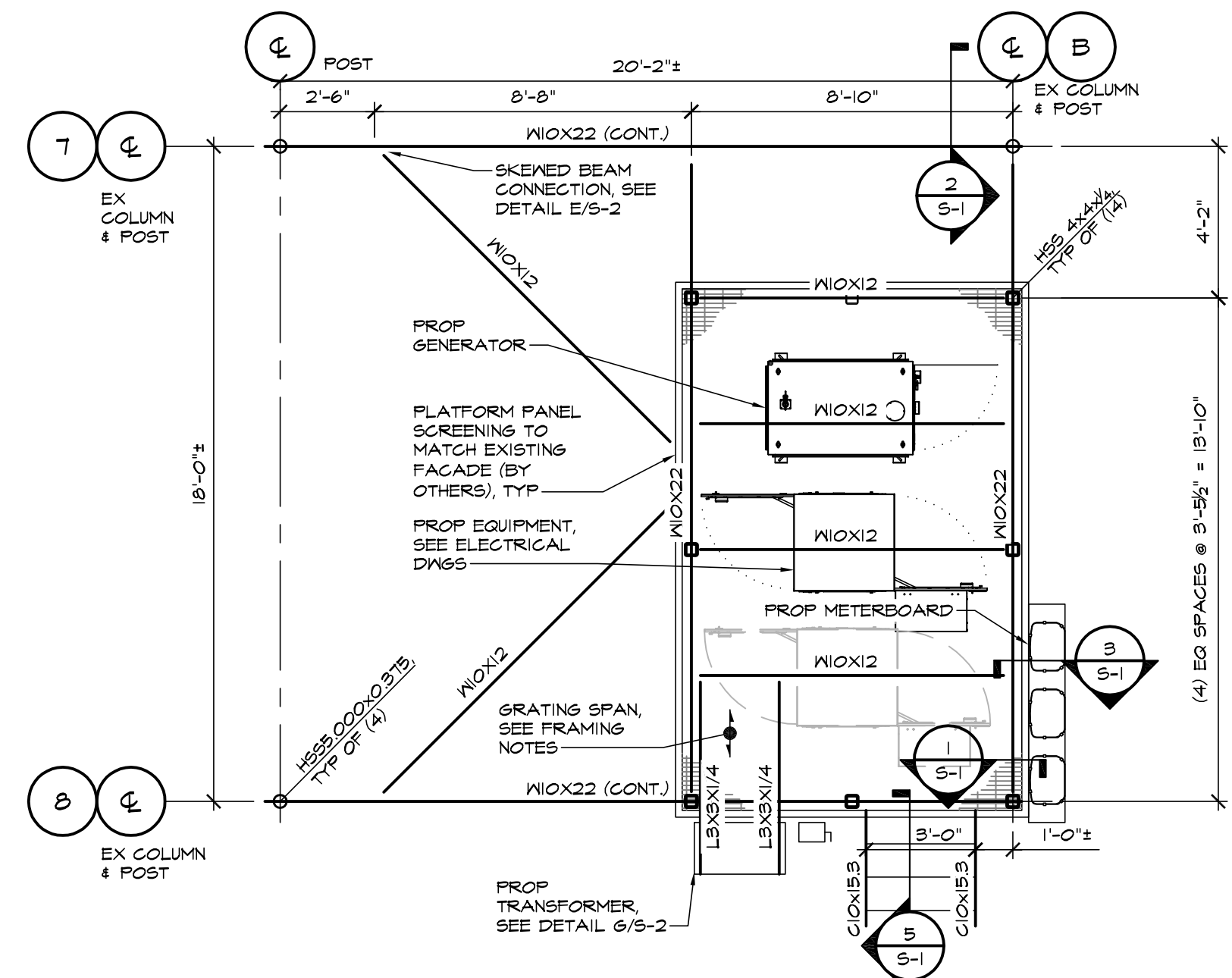
STRUCTURAL CERTIFICATION
STRUCTURAL PLANS CERTIFIED AS PROVIDED IN SECTION 106.141 OF THE D.C. CONSTRUCTION CODES SUPPLEMENT AS AMENDED TO DATE

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



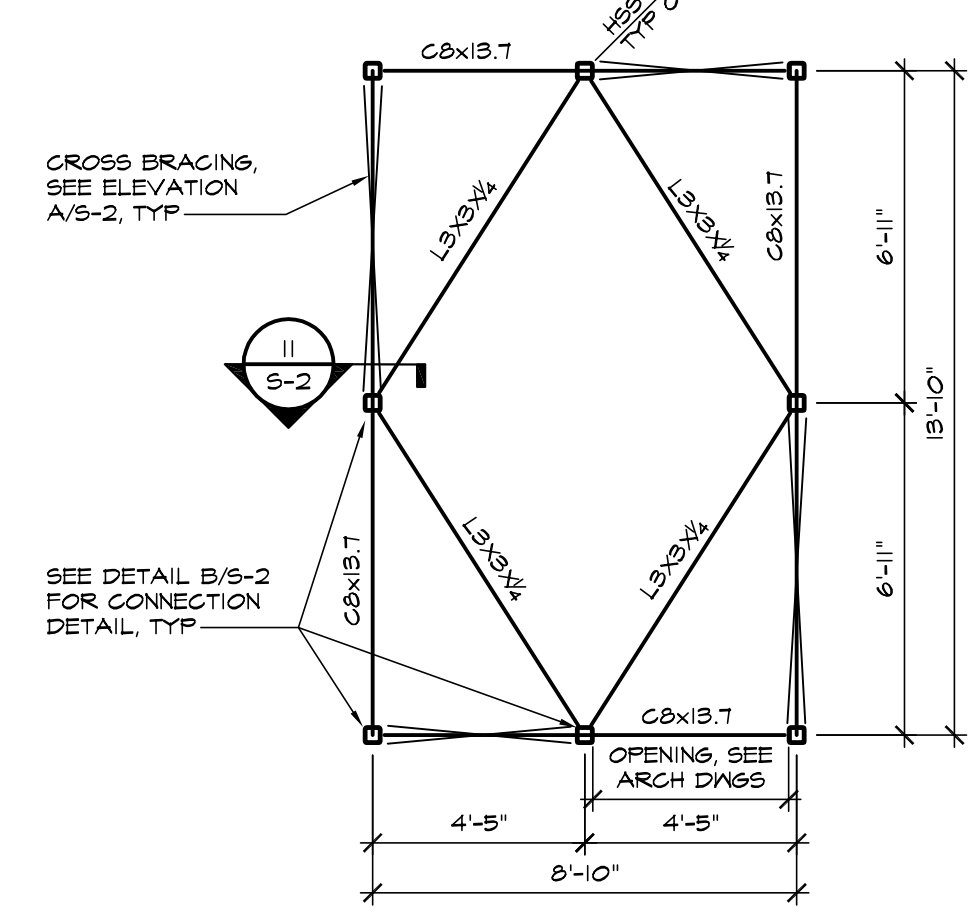
PARTIAL EXISTING ROOF PLAN
SCALE: 1/4" = 1'-0"

ROOFING NOTE:
ALL ROOFING WORK SHALL BE PERFORMED BY THE BUILDING OWNER'S ROOFER, RRH ASSOCIATES, LLC. CONTACT BOB HOWERTON @ 410-835-3114 OR 240-411-8922. BHOWERTON@RRHASSOCIATES.NET



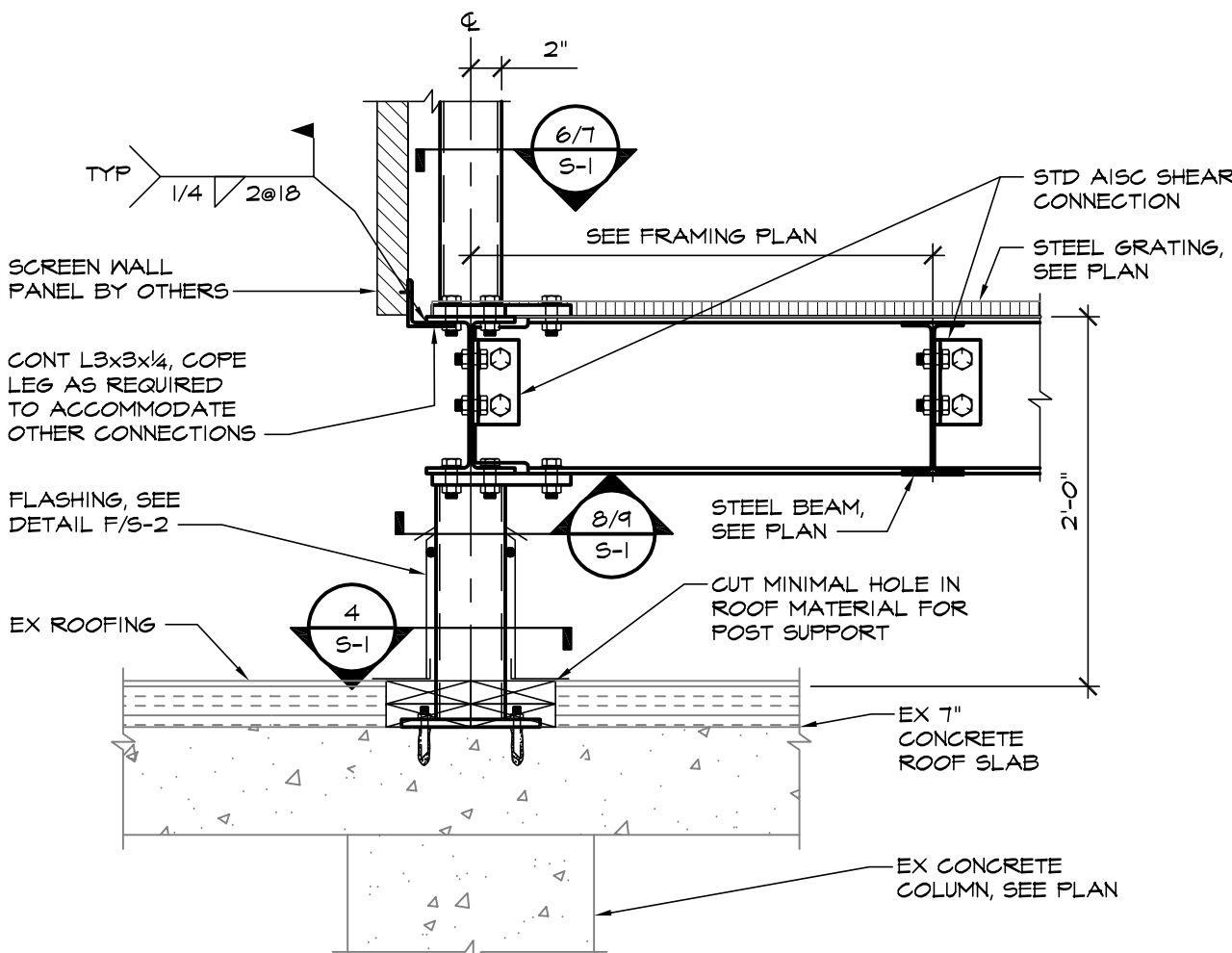
PLATFORM FRAMING PLAN
SCALE: 1/4" = 1'-0"

- PLATFORM FRAMING NOTES**
1. PLATFORM CONSTRUCTION SHALL CONSIST OF GALVANIZED STEEL GRATINGS WITH 1/2"x3/8" BEARING BARS SPACED AT 15/16", SUPPORTED BY STEEL BEAMS. ATTACH GRATINGS TO ALL SUPPORTING STEEL BEAMS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
 2. TOP OF STEEL IS DEFINED AS BOTTOM OF GRATINGS. TYPICAL TOP PLATFORM FRAME ELEVATION = +2'-0" FROM TOP OF EXISTING ROOFING. THE TOP OF ALL FLOOR FRAMING STEEL SHALL BE LEVEL.
 3. ALL STEEL EXPOSED TO WEATHER SHALL RECEIVE A HOT-DIPPED GALVANIZED FINISH.
 4. SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS. COORDINATE OPENINGS, SLEEVE LOCATIONS, AND ADDITIONAL REINFORCING OR FRAMING WITH TYPICAL DETAILS.
 5. ALL BEAM-BEAM CONNECTIONS SHALL BE STANDARD AISC SHEAR CONNECTIONS, UNLESS NOTED OTHERWISE. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
 6. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING COLUMNS TO SUPPORT PLATFORM FRAMING. IF THE DIMENSIONS OR SIZES IN THE FIELD DIFFER FROM WHAT IS SHOWN ON THIS PLAN, CONTACT STRUCTURAL ENGINEER.

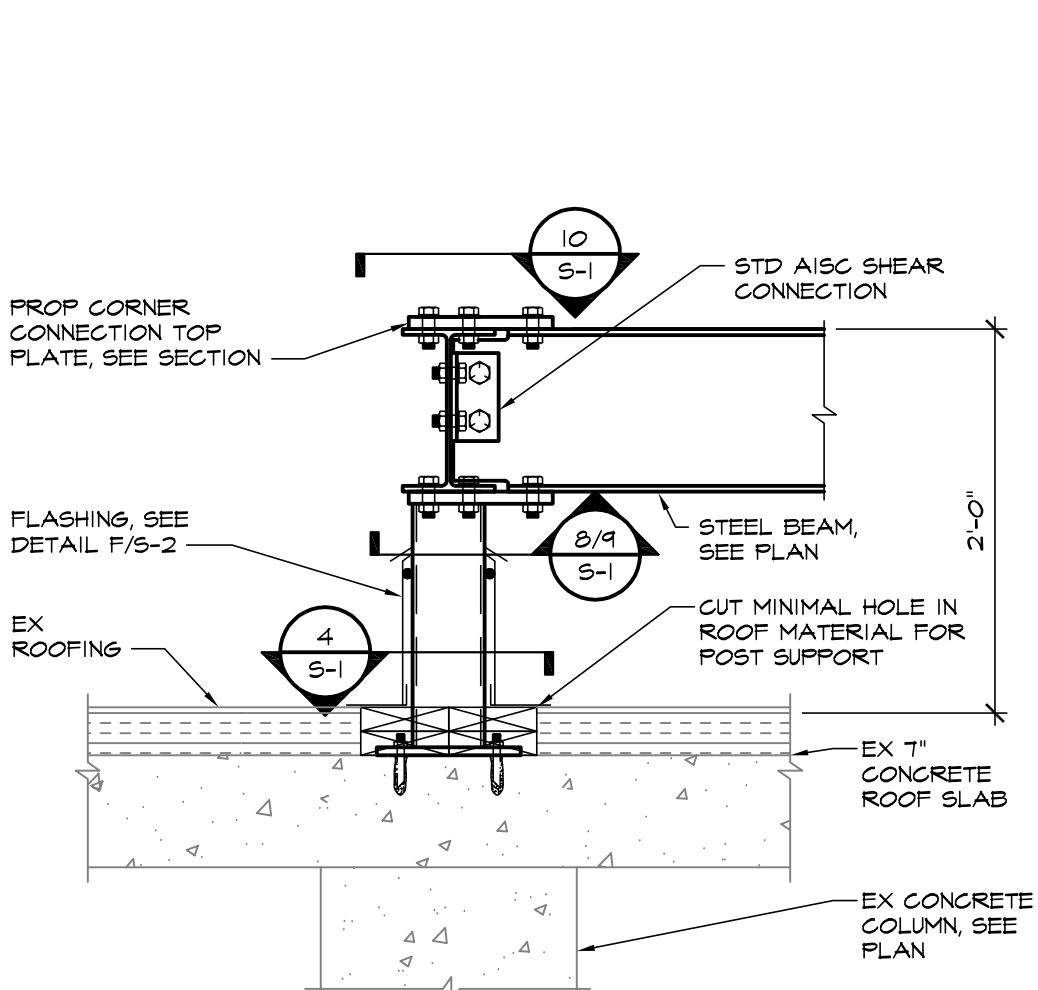


SCREEN WALL FRAMING PLAN
SCALE: 1/4" = 1'-0"

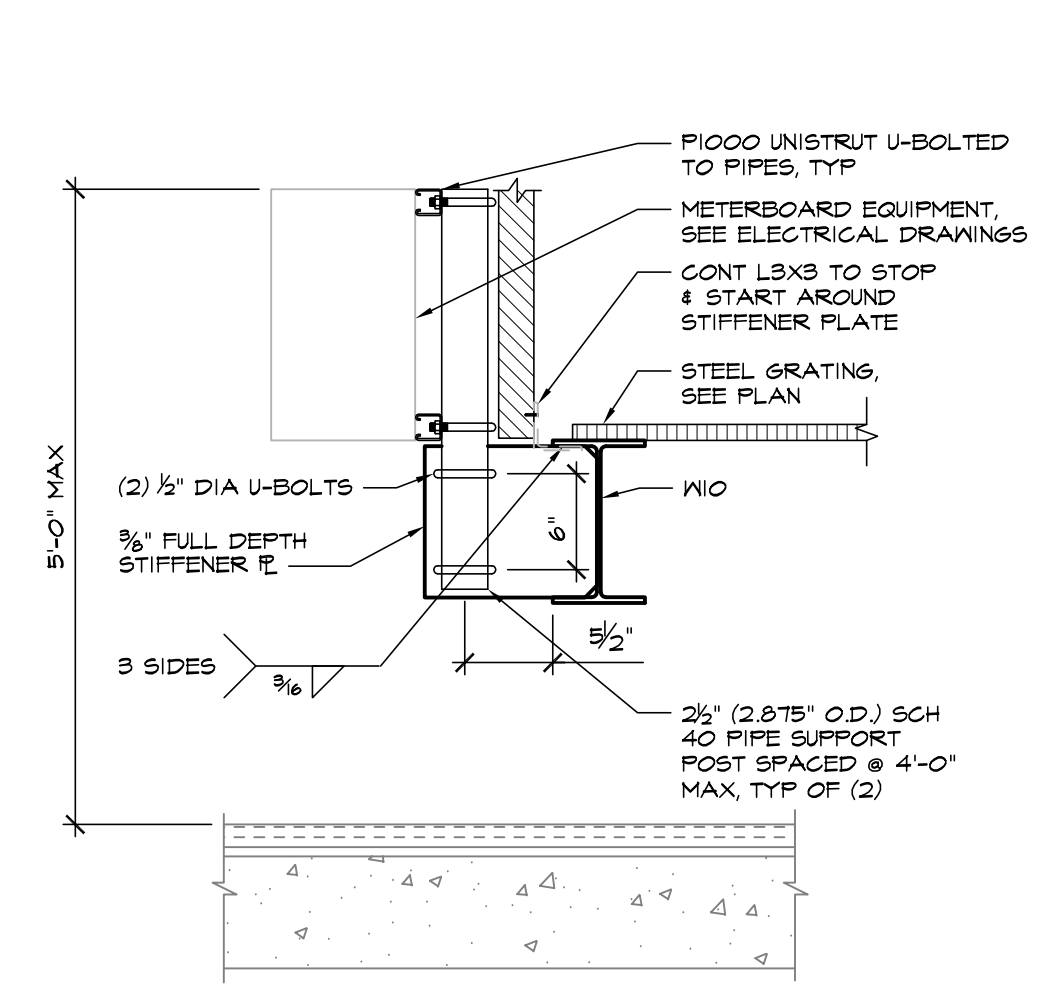
- SCREEN WALL FRAMING NOTES**
1. TOP OF STEEL ELEVATION IS +1'-8" ABOVE EXISTING ROOF. TOP OF STEEL IS DEFINED AS TOP OF C8 CHANNEL. THE TOP OF ALL SCREEN WALL FRAMING STEEL SHALL BE LEVEL.
 2. ALL STEEL EXPOSED TO WEATHER SHALL RECEIVE A HOT-DIPPED GALVANIZED FINISH.
 3. SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS. COORDINATE OPENINGS, SLEEVE LOCATIONS, AND ADDITIONAL REINFORCING OR FRAMING WITH TYPICAL DETAILS.



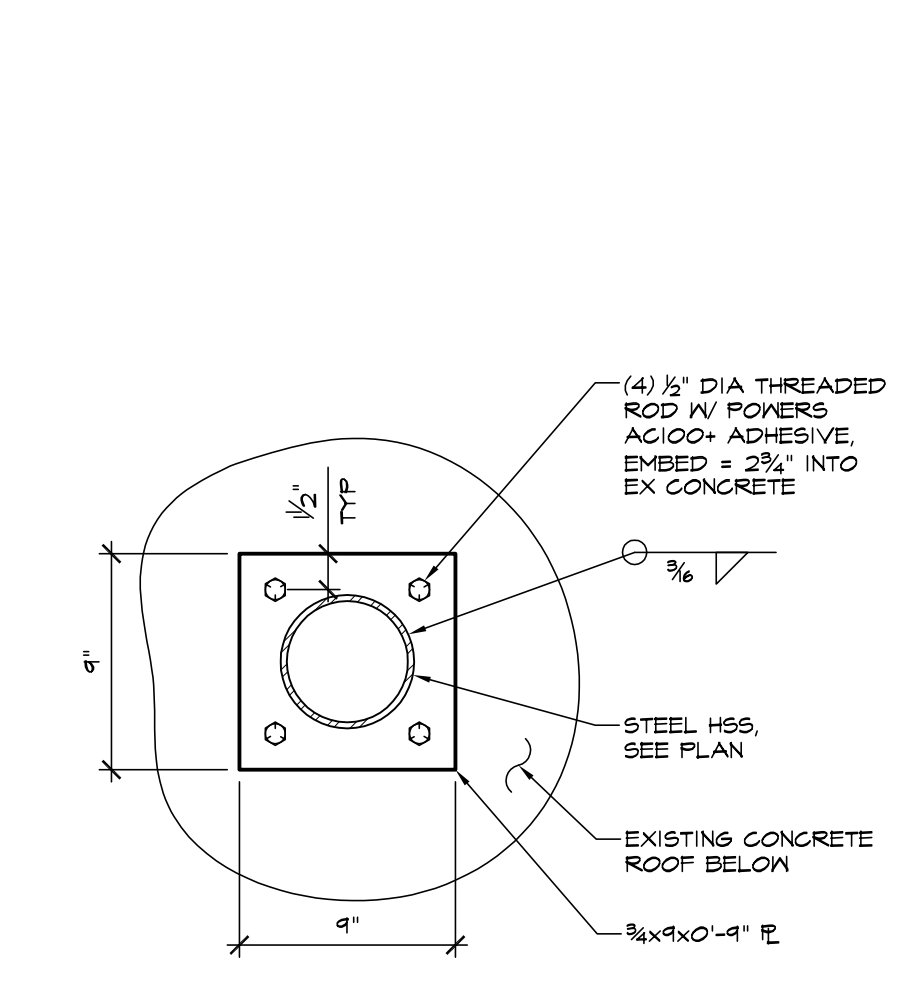
1 PLATFORM POST SUPPORT
SCALE: 1" = 1'-0"



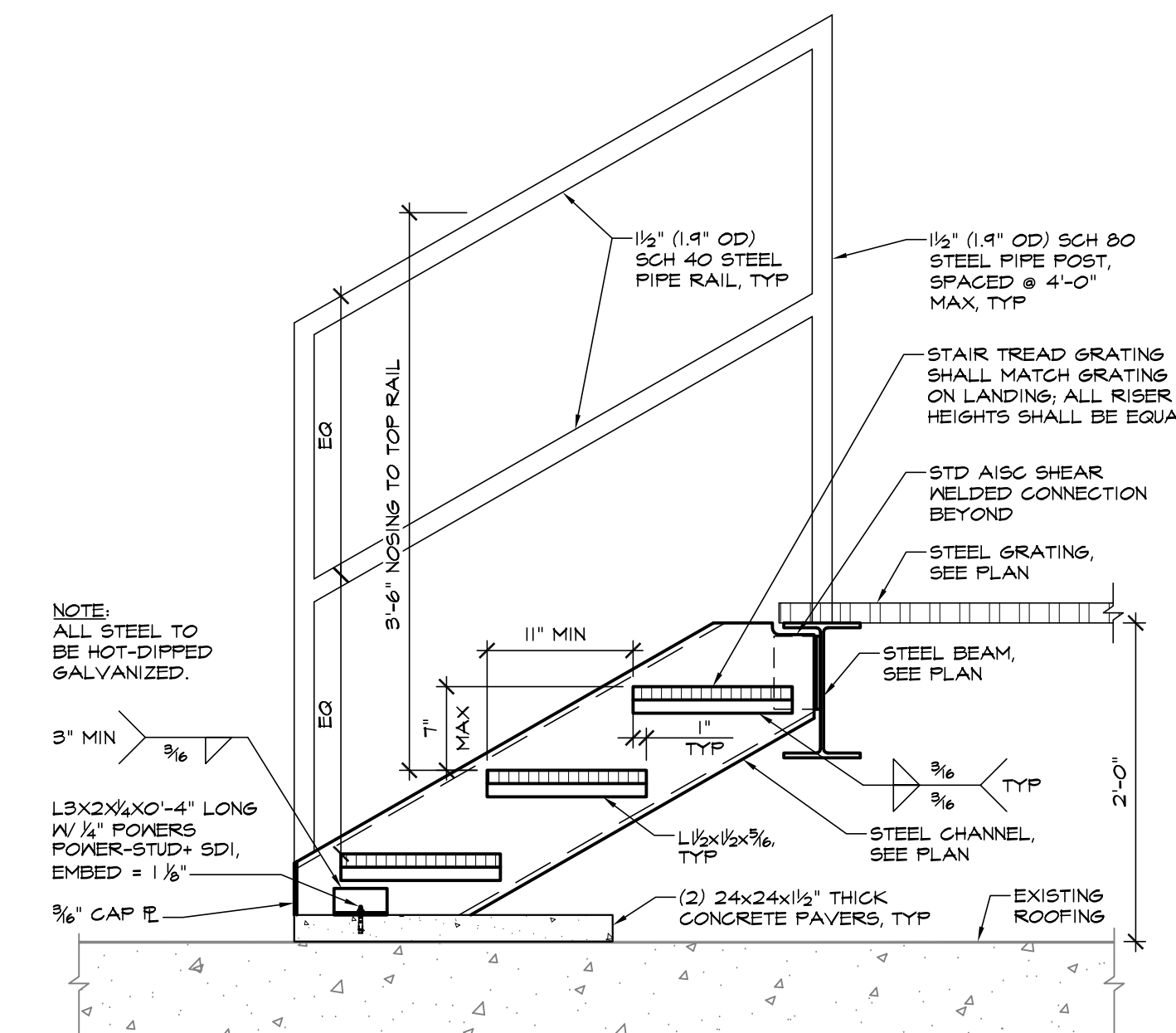
2 PLATFORM POST SUPPORT
SCALE: 1" = 1'-0"



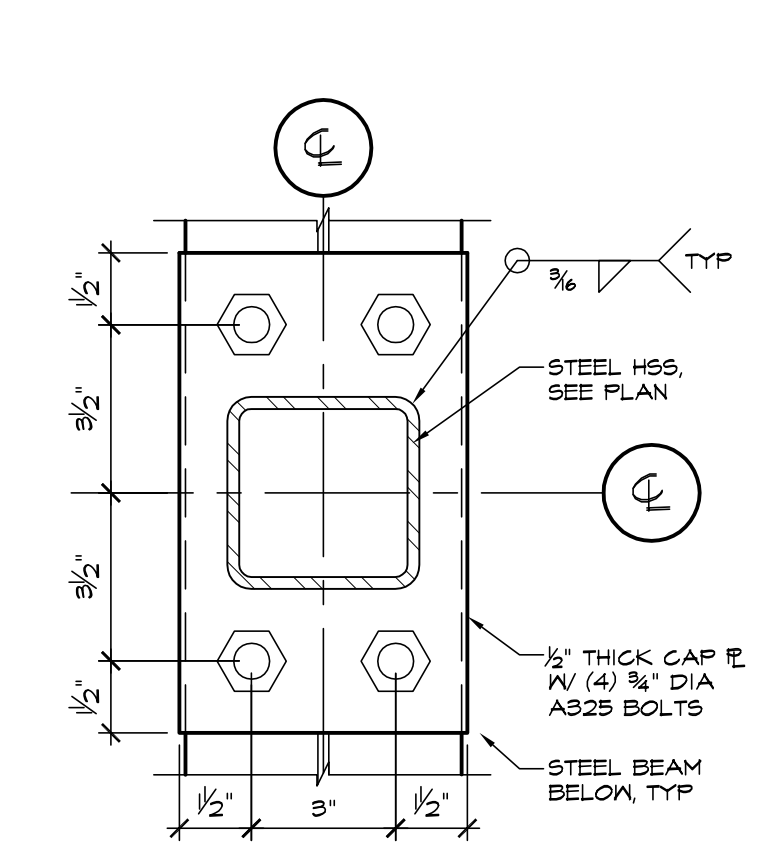
3 METERBOARD SUPPORT POST
SCALE: 1" = 1'-0"



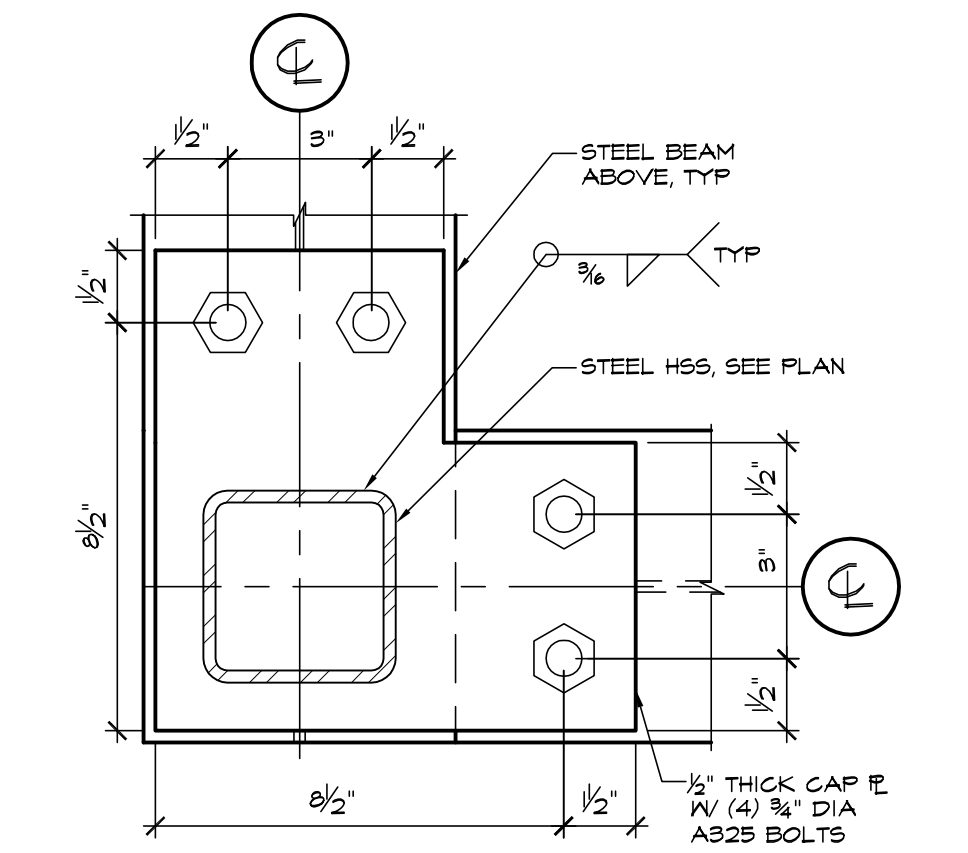
4 POST BASE PLATE
SCALE: 1 1/2" = 1'-0"



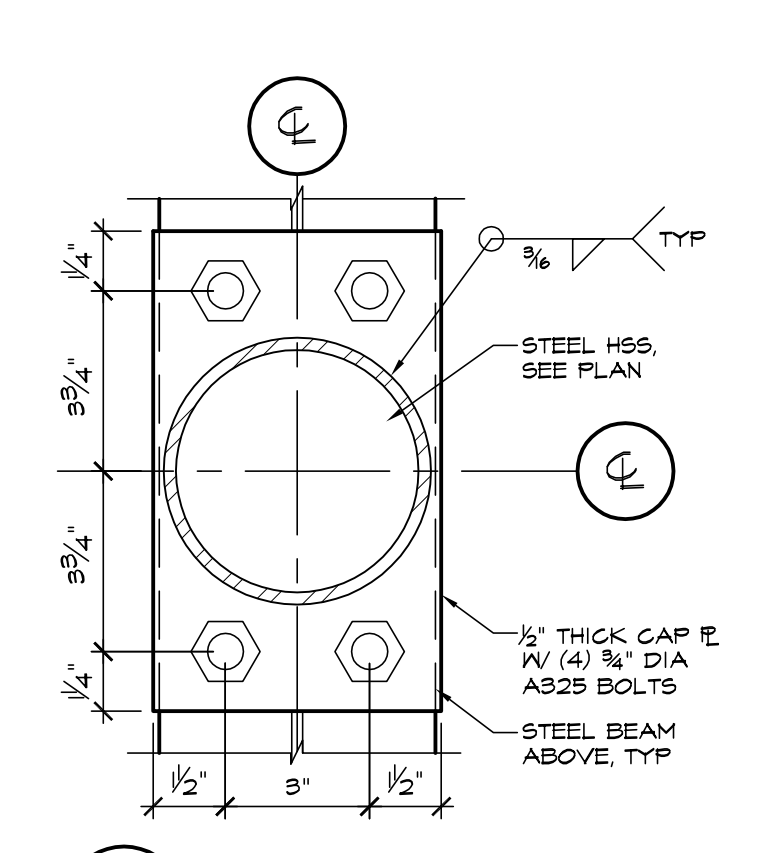
5 PLATFORM STAIR WITH HANDRAIL
SCALE: 1" = 1'-0"



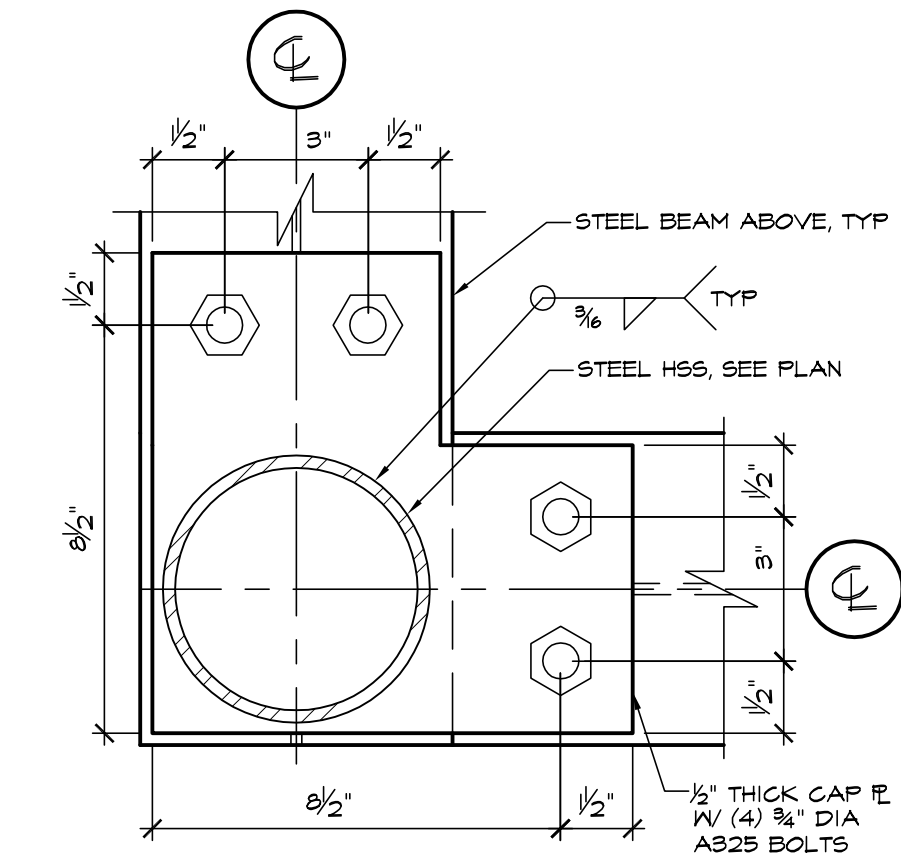
6 COLUMN BASE PLATE
SCALE: 3" = 1'-0"



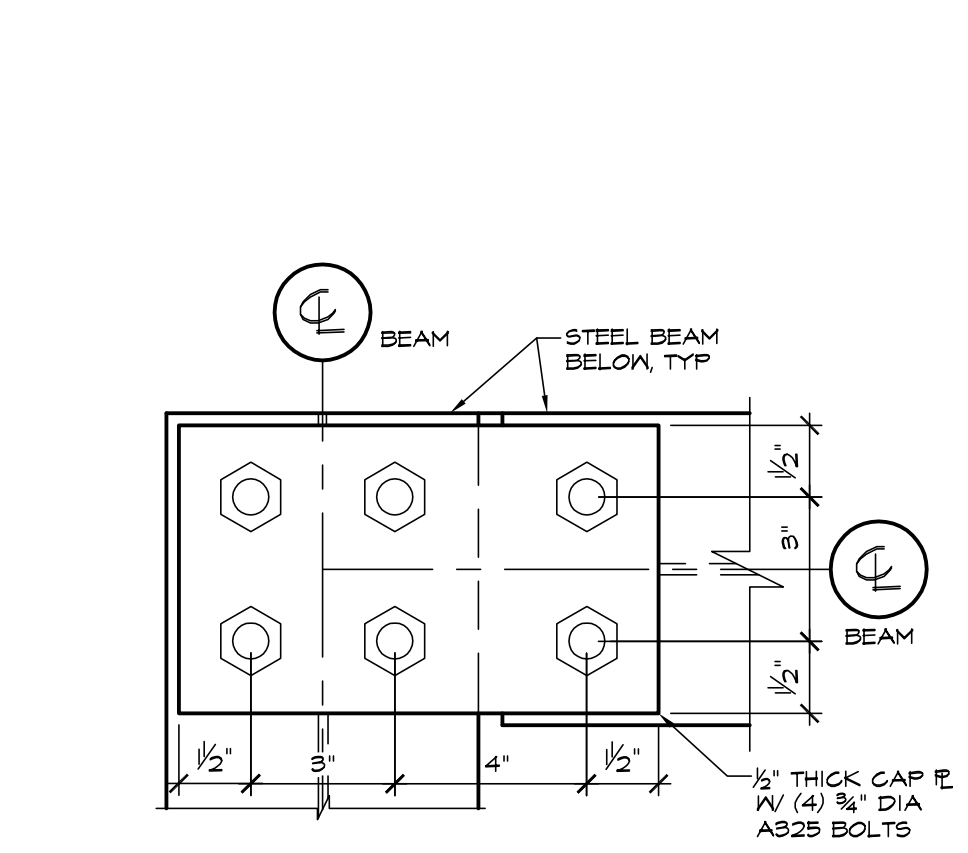
7 TYP COLUMN BASE PLATE
SCALE: 3" = 1'-0"



8 POST CAP PLATE
SCALE: 3" = 1'-0"



9 TYP POST CAP PLATE
SCALE: 3" = 1'-0"



10 TYP BEAM CORNER PLATE
SCALE: 3" = 1'-0"



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.

STRUCTURAL CERTIFICATION
STRUCTURAL PLANS CERTIFIED AS PROVIDED IN SECTION 106.1(A) OF THE D.C. CONSTRUCTION CODES SUPPLEMENT AS AMENDED TO DATE



verizon
BEST WESTERN REPLACEMENT
101 G STREET SW
WASHINGTON, DC 20024 (DISTRICT OF COLUMBIA)

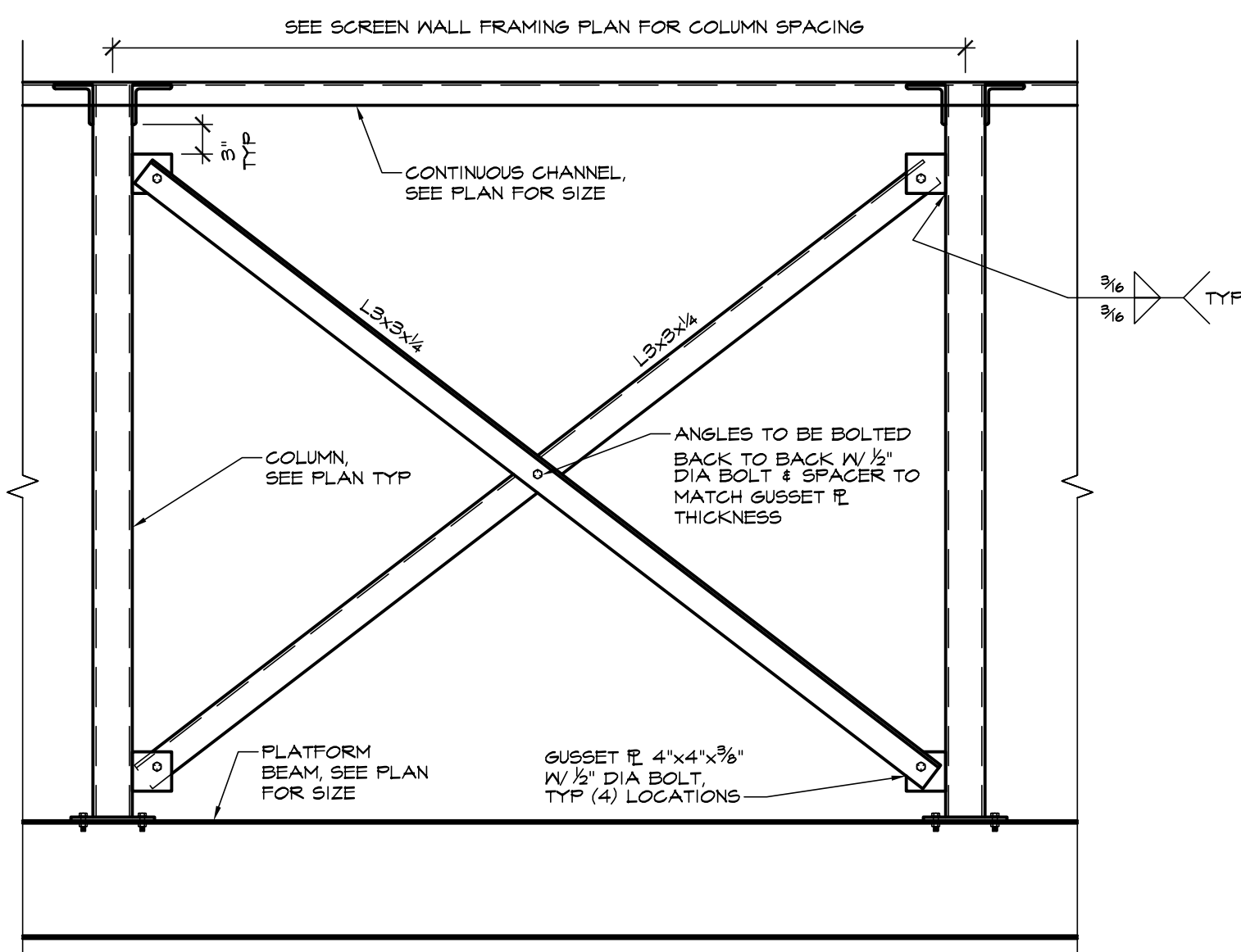
REVISIONS:

NO.	DESCRIPTION	DATE
1	Permit Set	11-27-2017

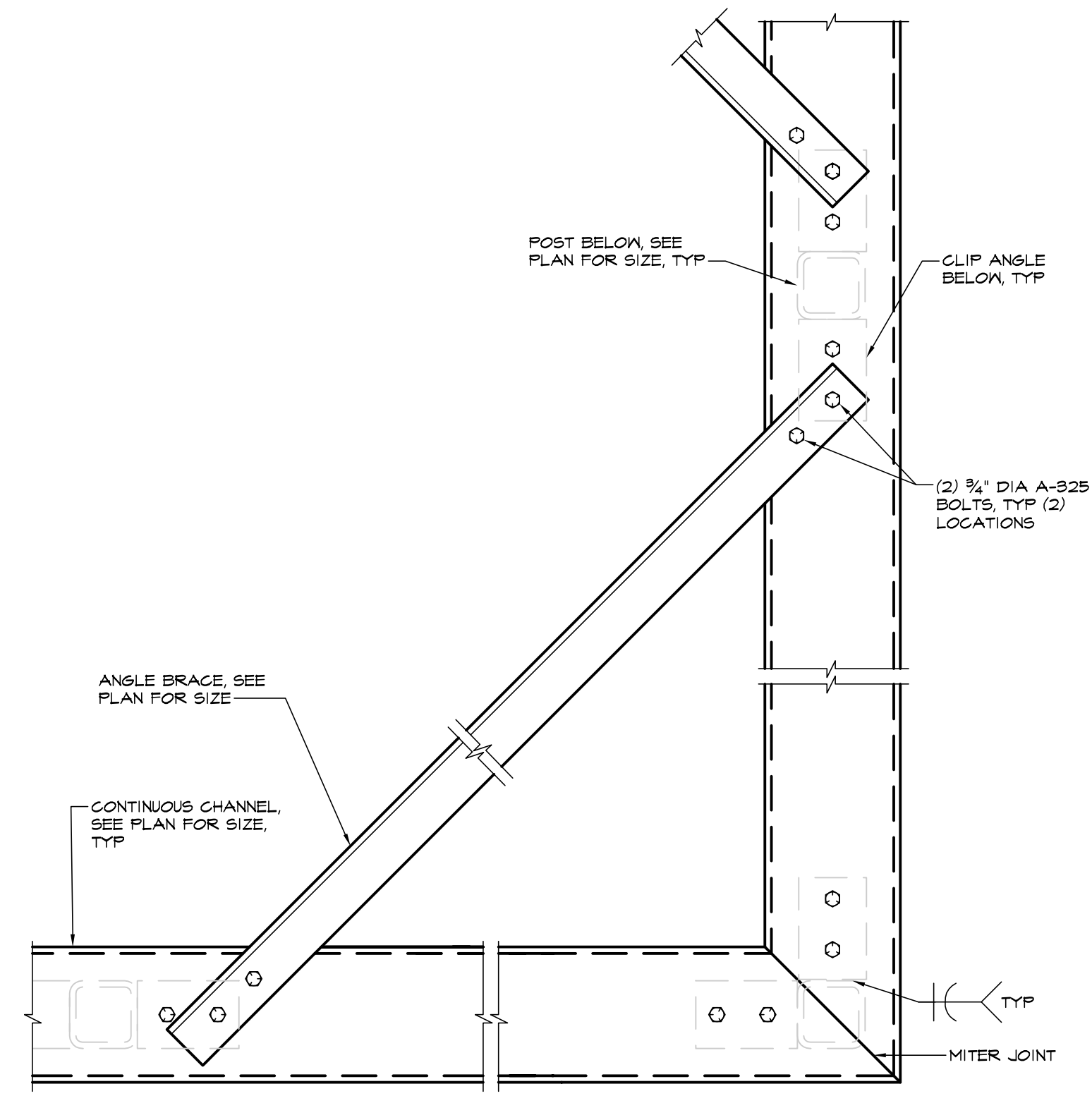
DESIGNED BY: JT
DRAWN BY: CJS
PROJECT NO: 10427.2264
DATE: 09/22/2017
SCALE: AS NOTED

TITLE:
Structural Details

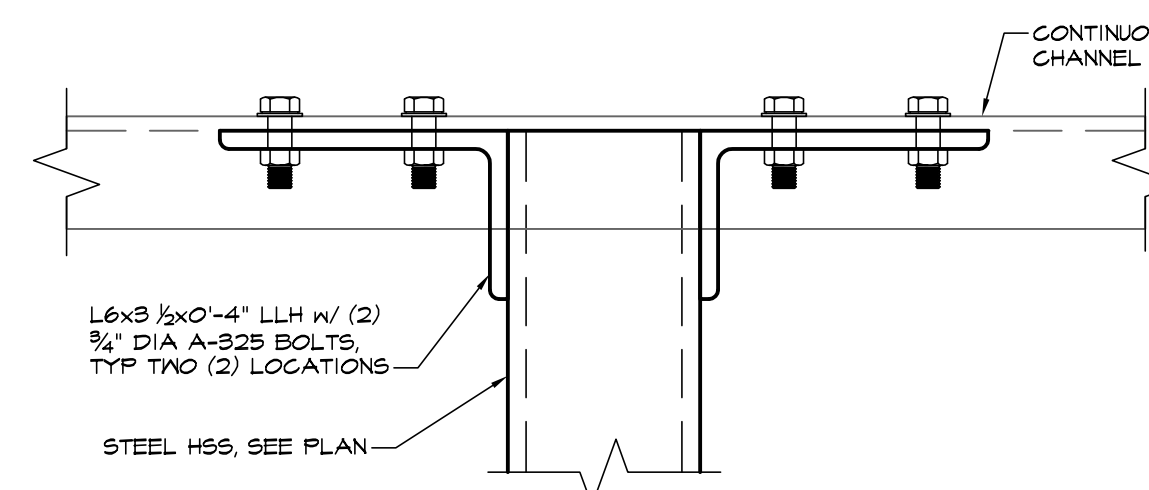
SHEET:
S-1
S001



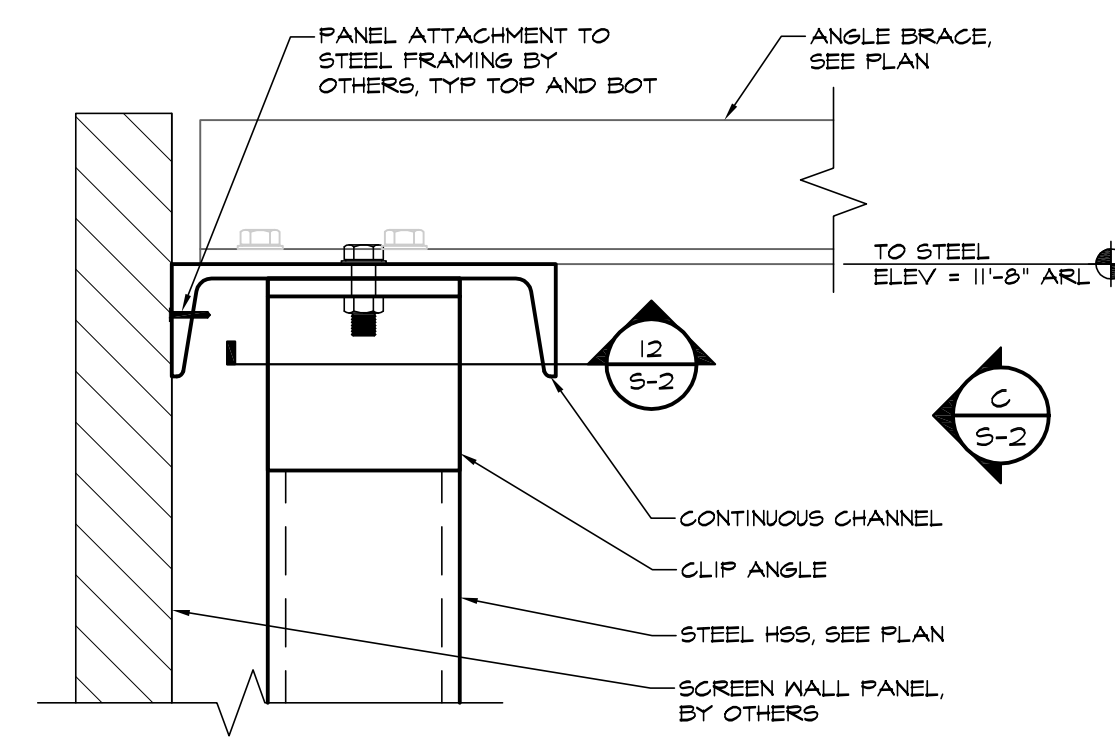
A CROSS BRACING ELEVATION
SCALE: 3/8" = 1'-0"



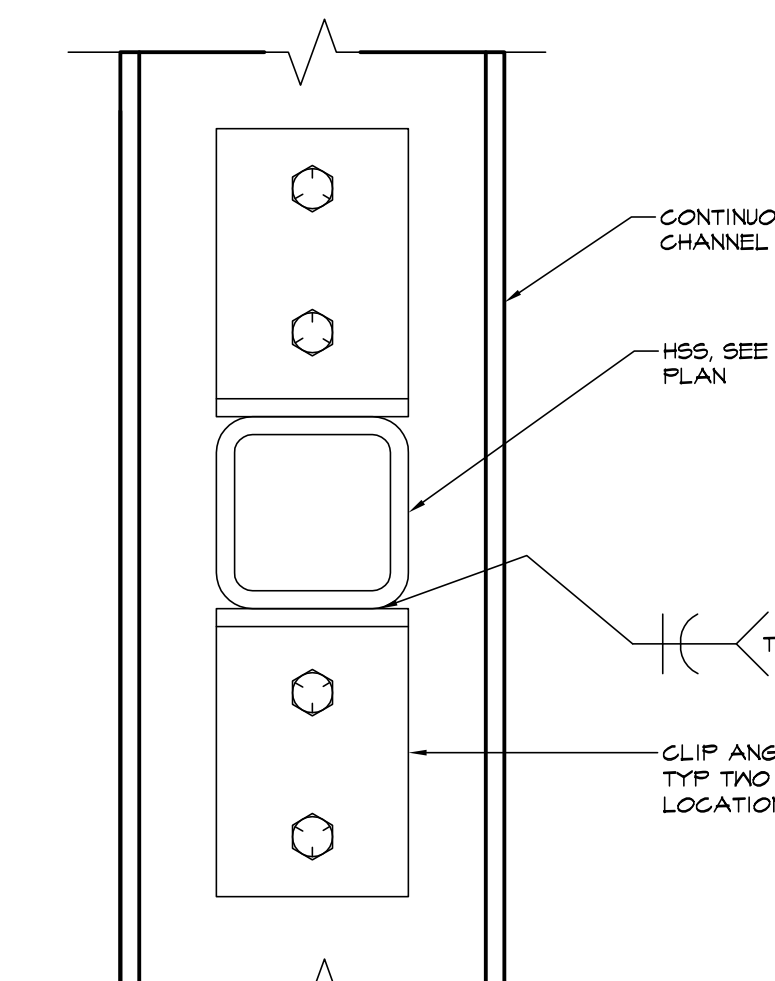
B CONNECTION DETAILS AT BRACES AND CORNER POST
SCALE: 1/2" = 1'-0"



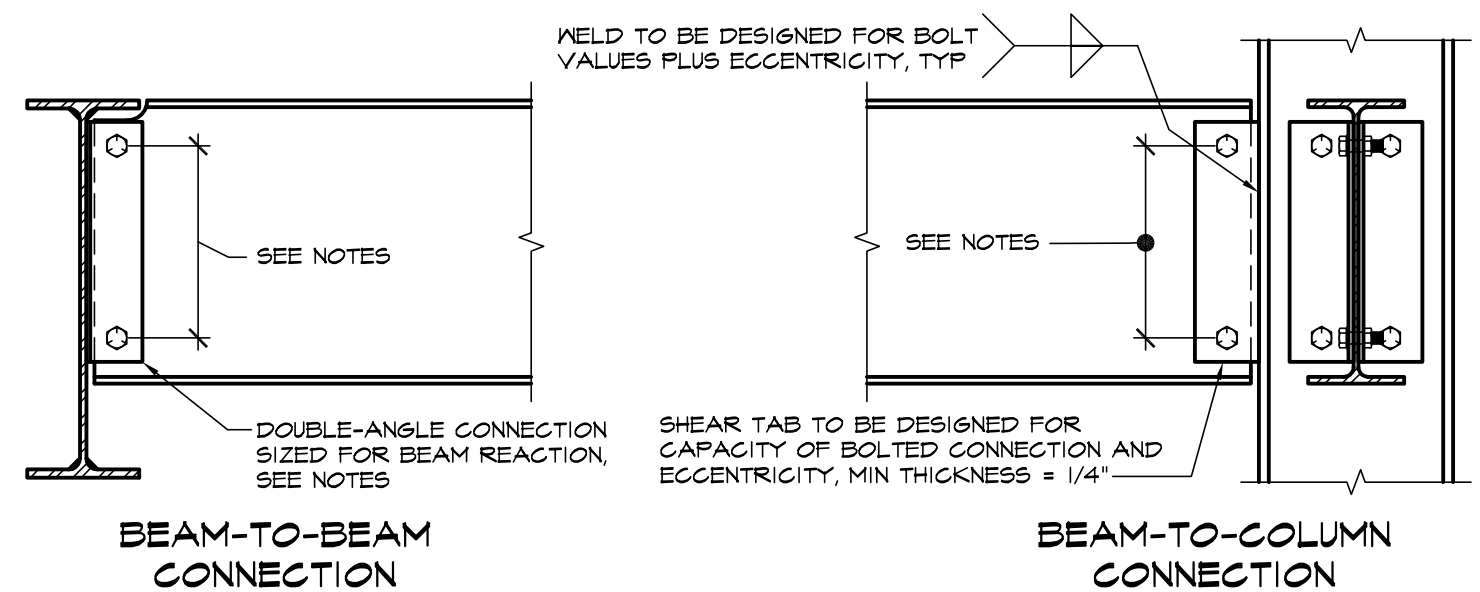
C COLUMN CLIP ANGLE CONNECTION
SCALE: 3/8" = 1'-0"



D SCREEN WALL COLUMN CONNECTION
SCALE: 3/8" = 1'-0"



E COLUMN TOP CONNECTION
SCALE: 3/8" = 1'-0"

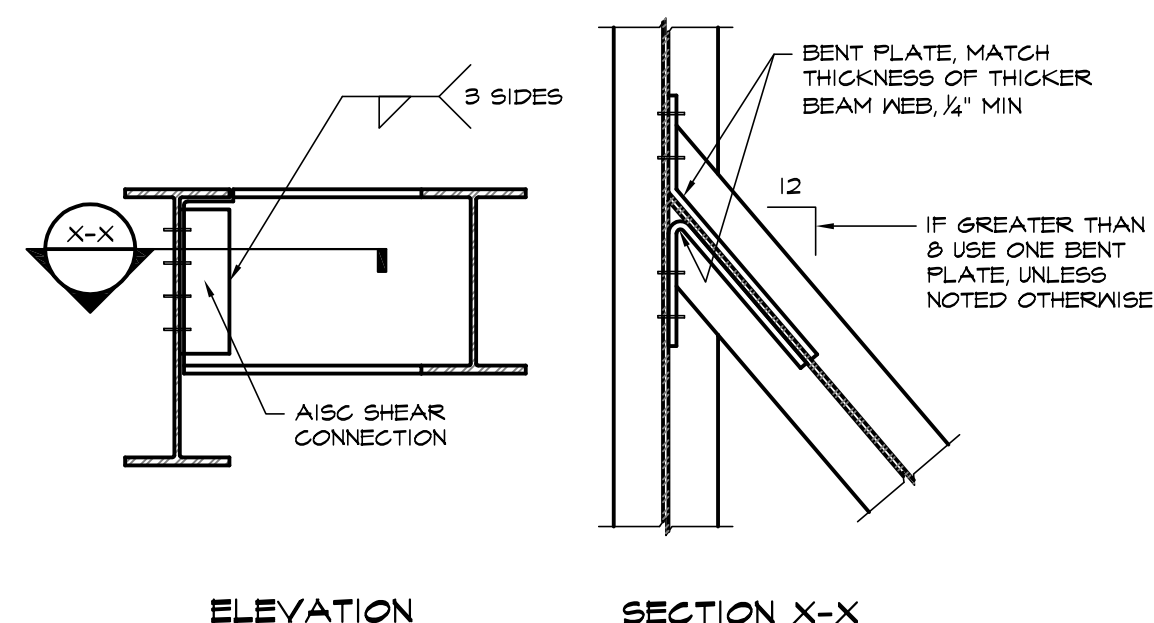


- NOTES:**
- THE SHEAR CONNECTION MUST BE DESIGNED FOR THE GREATEST OF THE FOLLOWING:
 - REACTIONS FROM AISC UNIFORM BEAM LOAD TABLES x FACTOR BELOW:
 - NON-COMPOSITE BEAMS

1) 15	T _y = 50 ksi
2) 13	T _y = 36 ksi
 - MINIMUM NUMBER OF BOLTS, SEE TABLE.

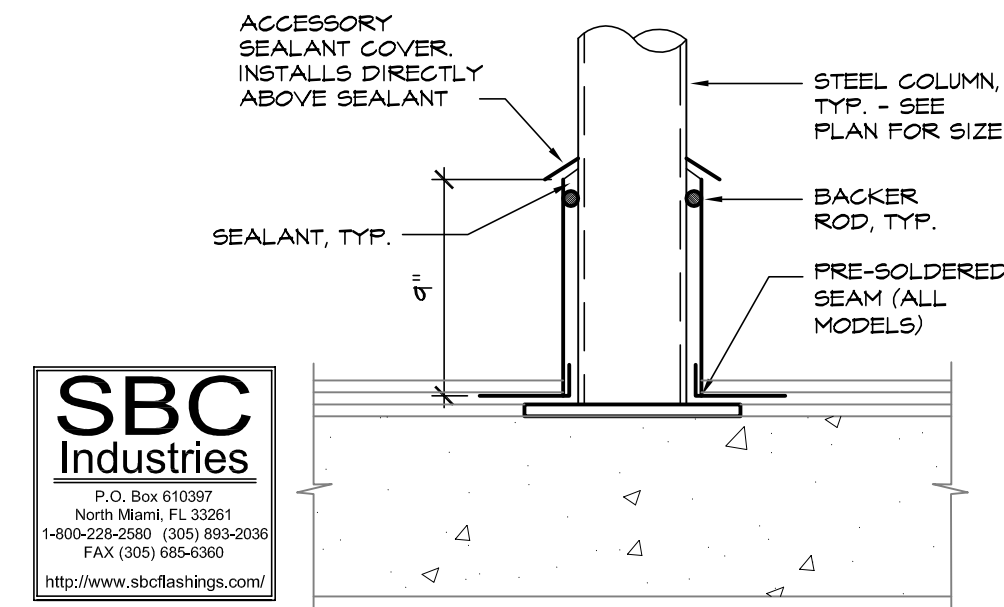
MIN. NUMBER OF BOLTS, "N"	
W12	3
W10	2
W8, C8	2
 - REACTIONS INDICATED ON DRAWINGS.
 - MINIMUM SHEAR REACTION FORCE OF 6 KIPS.
 - BOLTS SHALL BE 3/4" A325-SC BOLTS, UNLESS OTHERWISE NOTED.
 - PROVIDE WEB REINFORCING WHERE REQUIRED DUE TO WEB CUT FOR CONNECTIONS.

MIN. NUMBER OF BOLTS, "N"	
W12	3
W10	2
W8, C8	2

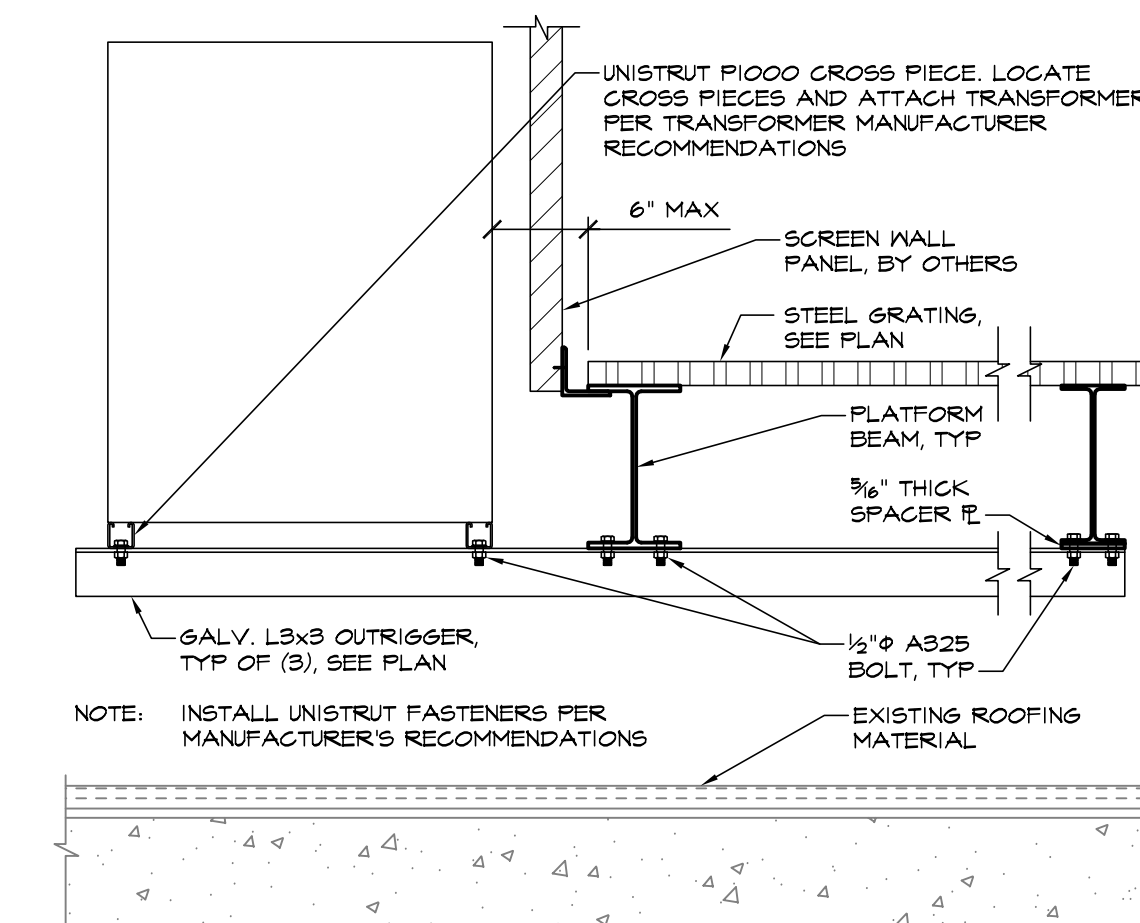


G TYP SHEAR CONNECTION
SCALE: NTS

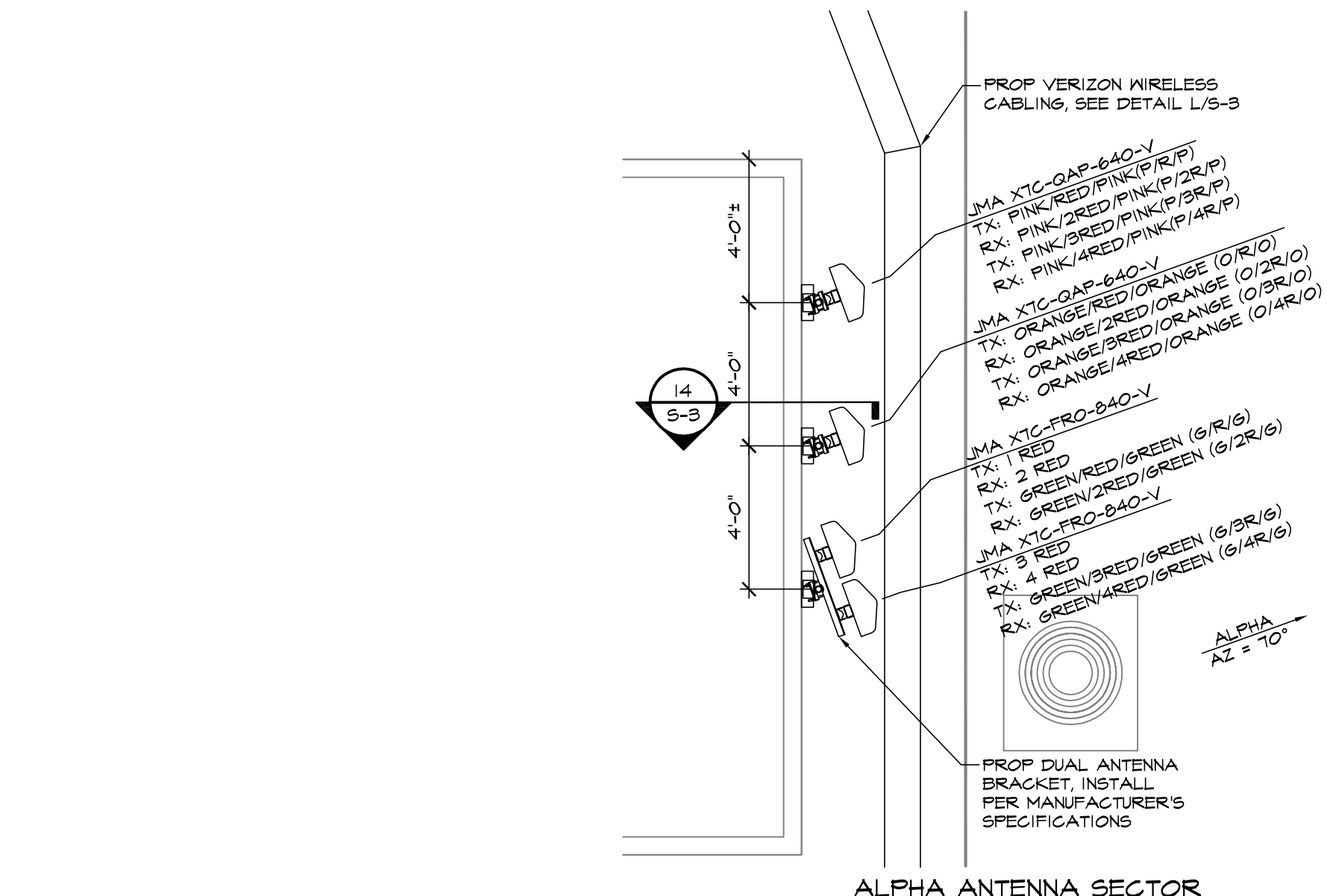
H TYP SHEWED BEAM CONNECTION
NOT TO SCALE



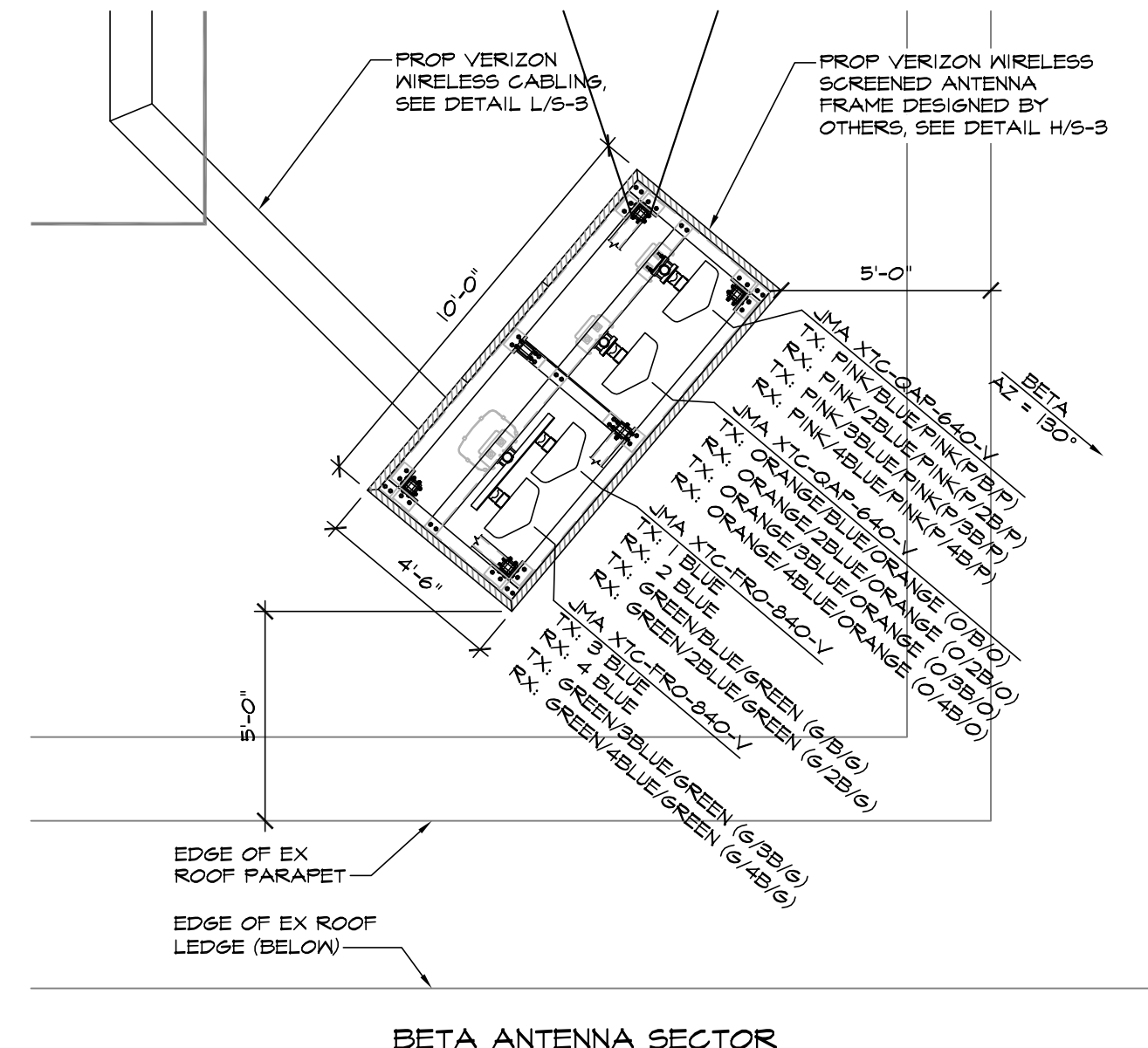
I TYP. PIPE COLUMN FLASHING (MODELS PL/D & PL/S)
SCALE: 1/2" = 1'-0"



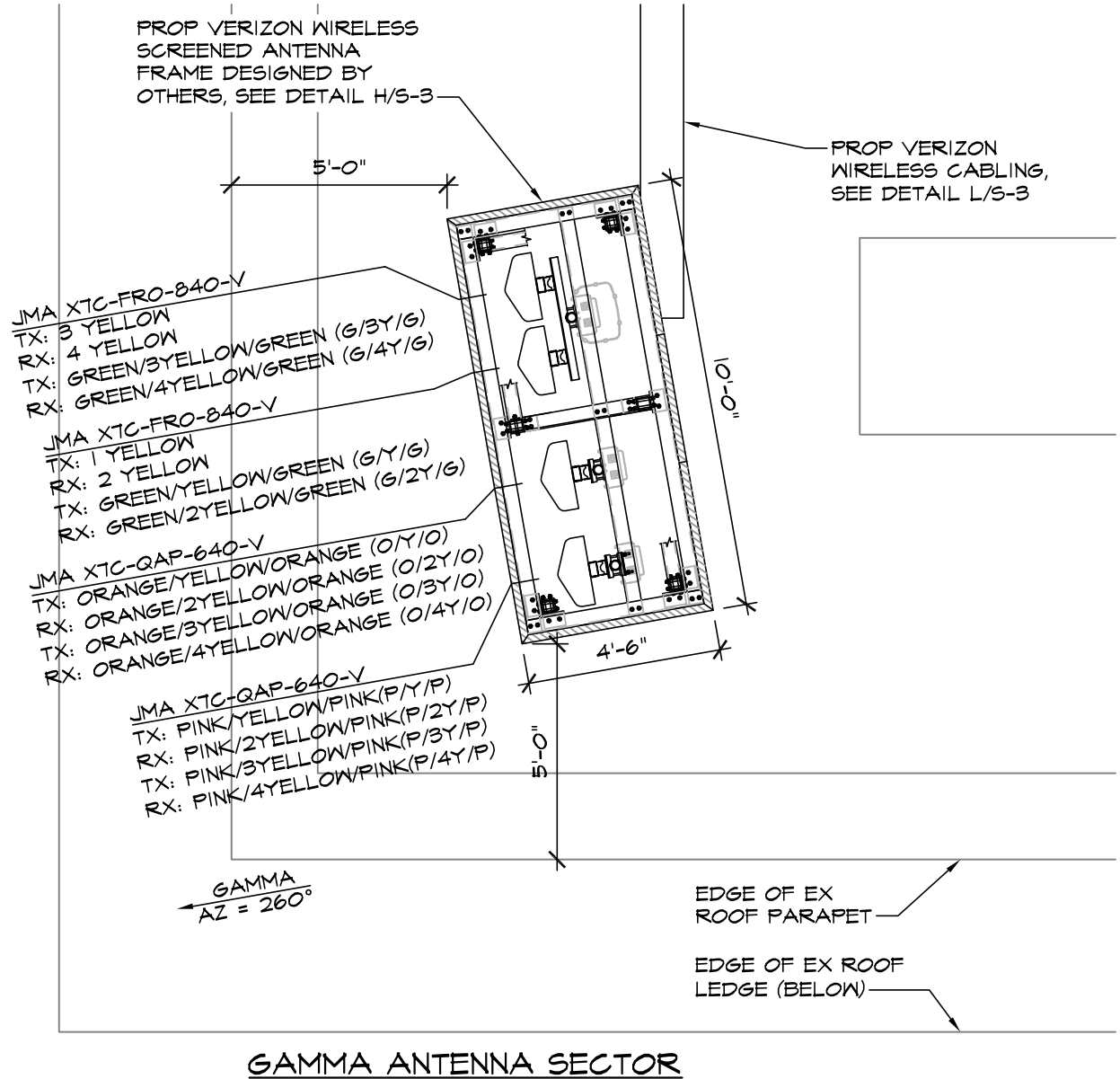
J TRANSFORMER SUPPORT @ EX ROOF
SCALE: NTS



K ALPHA ANTENNA SECTOR



L BETA ANTENNA SECTOR



M GAMMA ANTENNA SECTOR



N ANTENNA SECTOR PLAN
SCALE: 1/4" = 1'-0"



verizon
BEST WESTERN REPLACEMENT
101 G STREET SW
WASHINGTON, DC 20024 (DISTRICT OF COLUMBIA)

REVISIONS:

NO.	DESCRIPTION	DATE
1	Permit Set	11-27-2017

DESIGNED BY: JT
DRAWN BY: CJS
PROJECT NO: 10427.2264
DATE: 09/22/2017
SCALE: AS NOTED

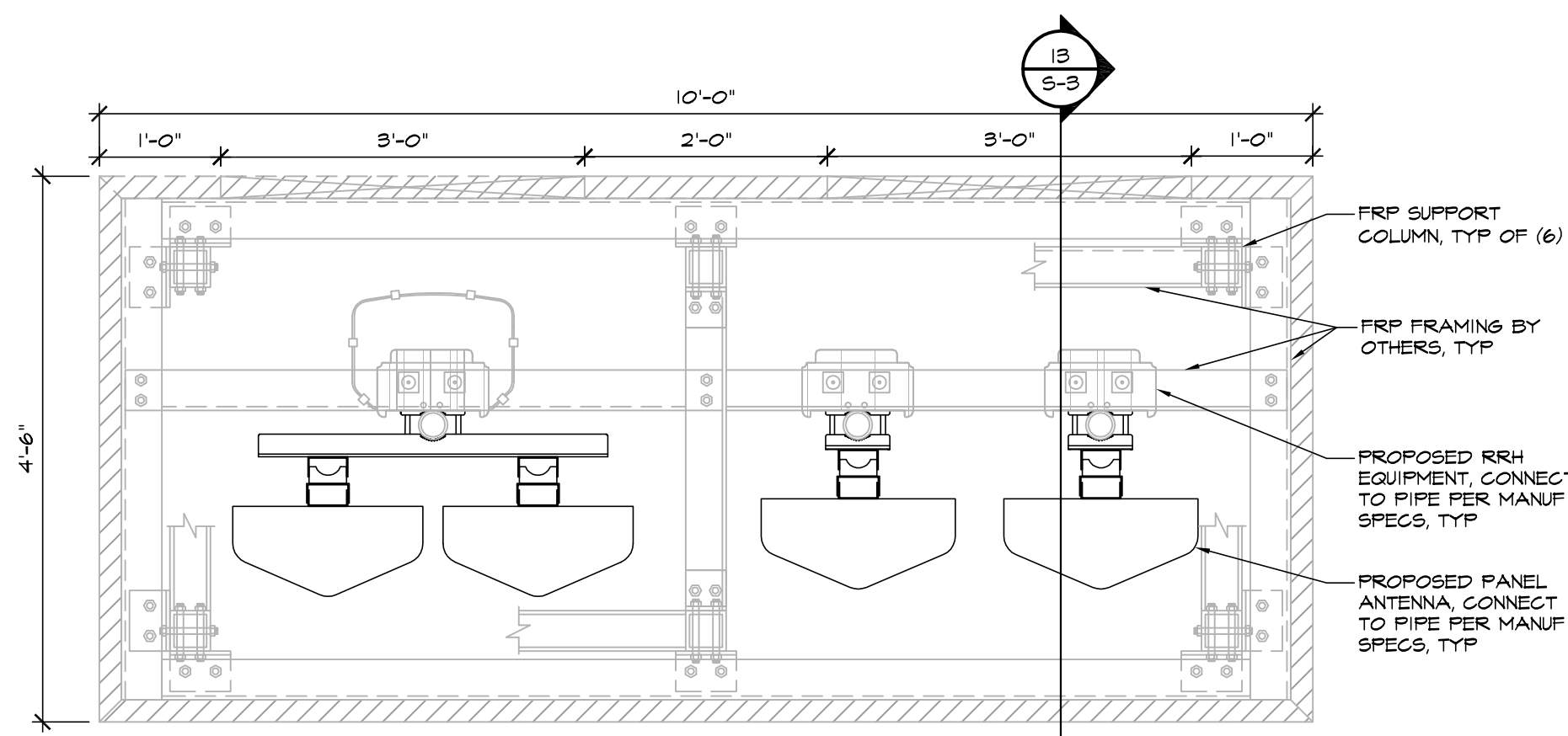
TITLE:
Structural Details

SHEET:
S-2
S002



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.

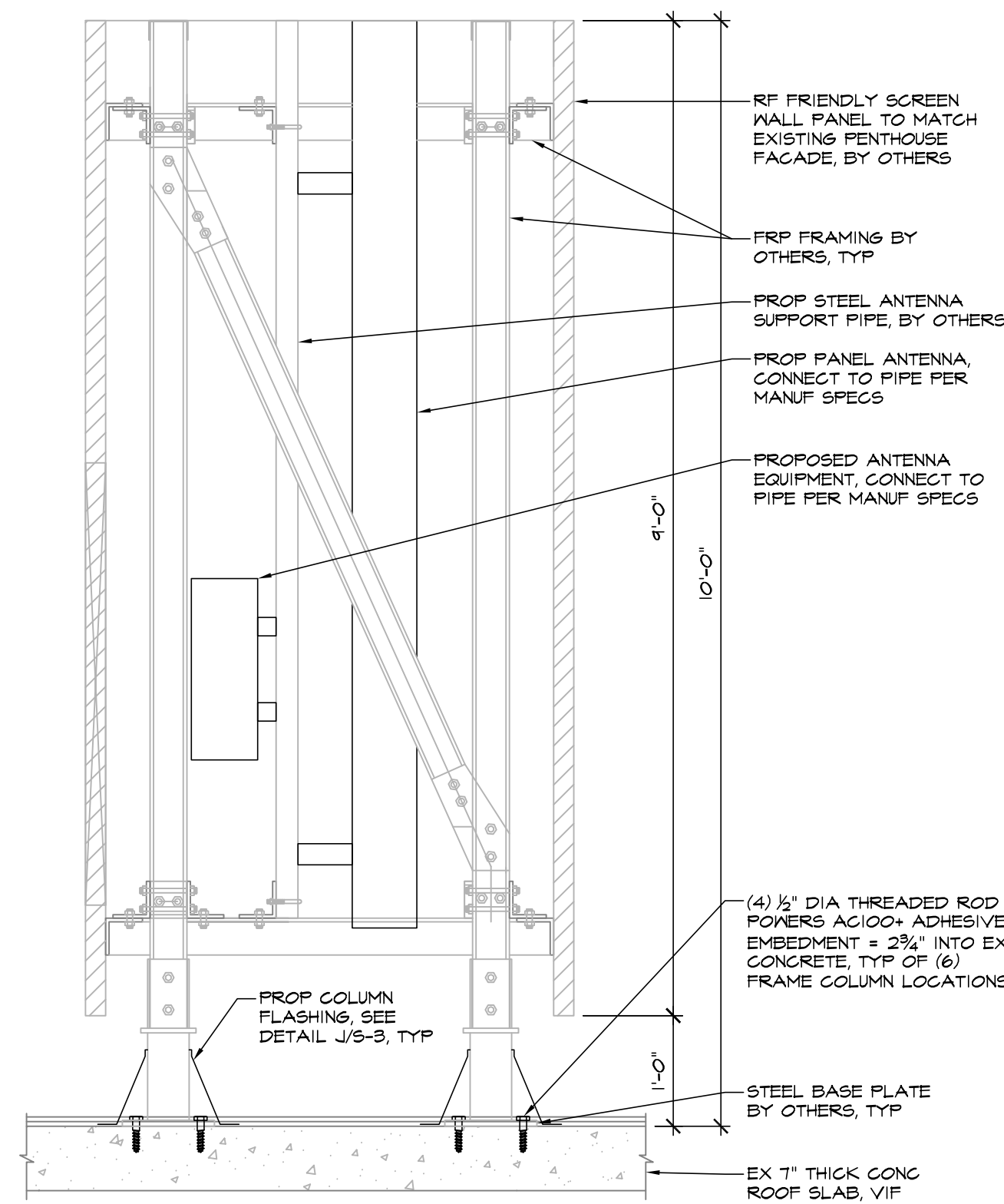
STRUCTURAL CERTIFICATION
STRUCTURAL PLANS CERTIFIED AS PROVIDED IN SECTION 106.1A1 OF THE D.C. CONSTRUCTION CODES SUPPLEMENT AS AMENDED TO DATE



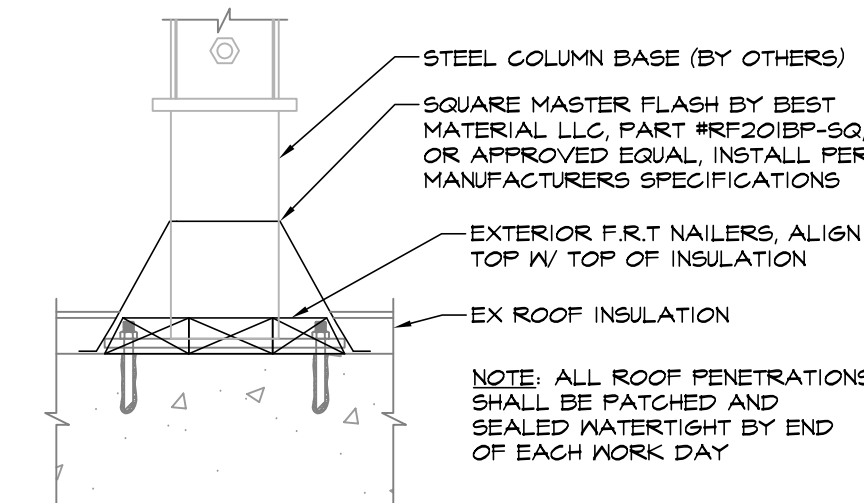
ANTENNA MOUNT FRAMING NOTES:

1. ALL STEEL SHALL RECEIVE A HOT-DIPPED GALVANIZED FINISH.
2. REFER TO SHEET C-2 FOR EQUIPMENT ENCLOSURE LOCATION AND ORIENTATION.
3. ALL FRP COMPONENTS SHALL BE DESIGNED BY OTHERS.

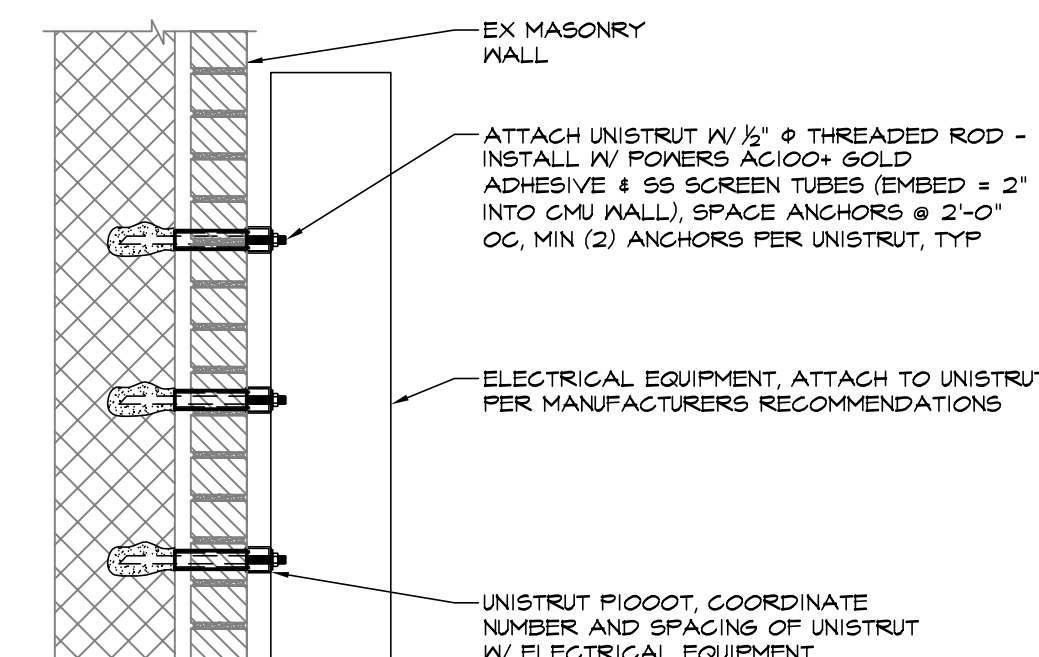
H TYP. SCREENED ANTENNA FRAME PLAN
SCALE: 3/4" = 1'-0"
BETA & GAMMA SECTOR



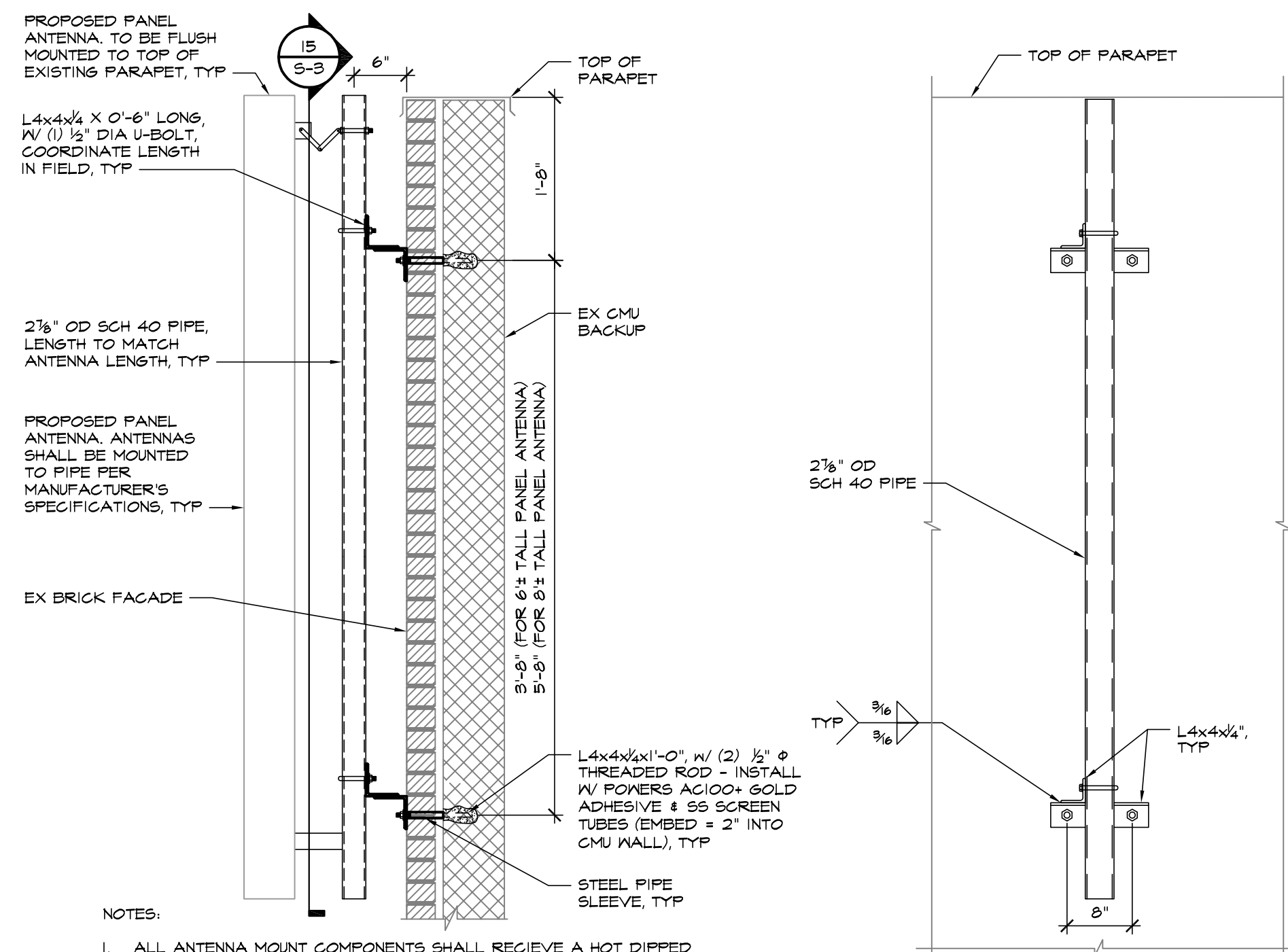
I SCREENED ENCLOSURE FRAMING
SCALE: 3/4" = 1'-0"



J TYP TUBE COLUMN FLASHING
NOT TO SCALE

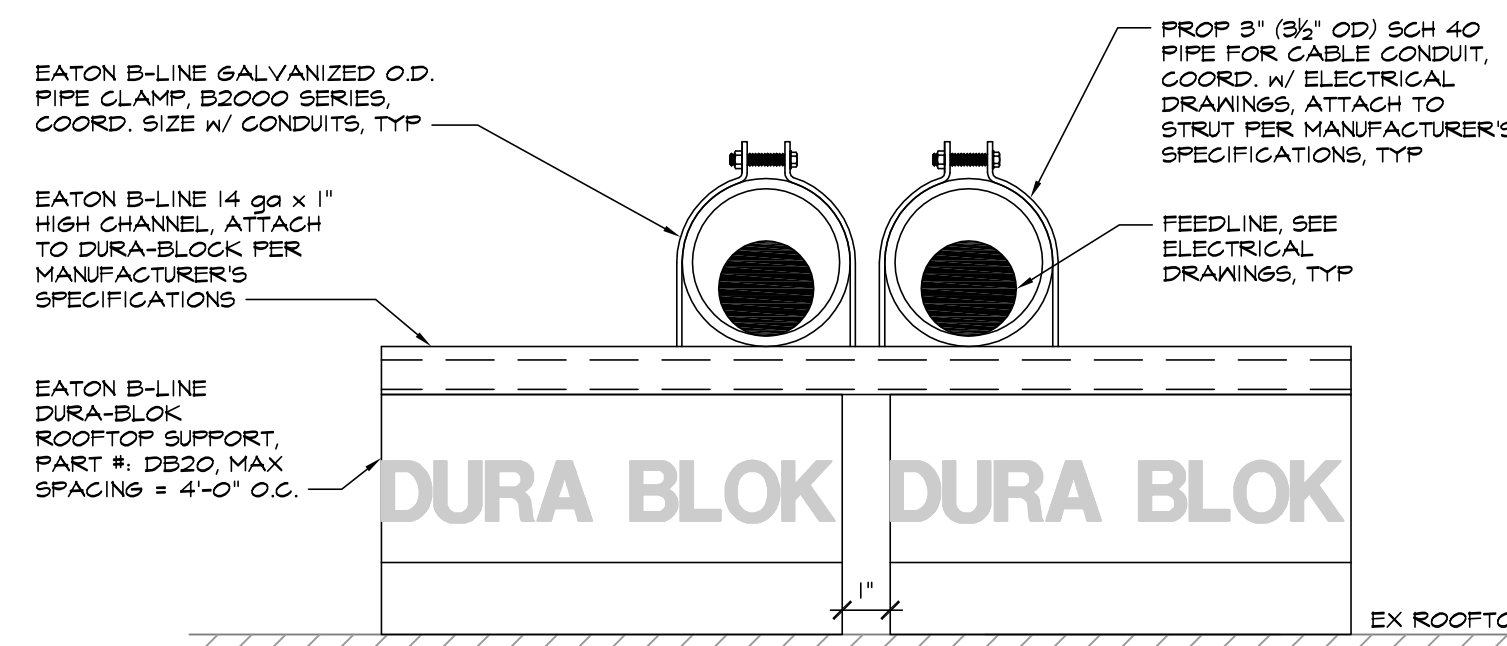


K EQUIPMENT WALL MOUNT DETAIL
SCALE: 1" = 1'-0"

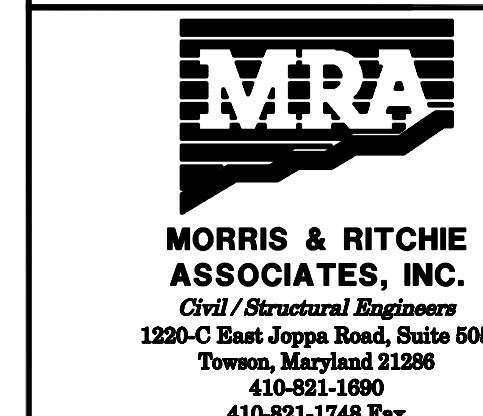


L ANTENNA MOUNT TO EXISTING WALL
SCALE: 3/4" = 1'-0"

M PIPE SUPPORT CONNECTION
SCALE: 3/4" = 1'-0"



N TYP CABLE SUPPORT AT EX ROOF
SCALE: 3" = 1'-0"



verizon
BEST WESTERN REPLACEMENT
101 G STREET SW
WASHINGTON, DC 20024 (DISTRICT OF COLUMBIA)

REVISIONS:

NO.	DESCRIPTION	DATE
1	Permit Set	11-27-2017

DESIGNED BY: JT
DRAWN BY: CJS
PROJECT NO: 10427.2264
DATE: 09/22/2017
SCALE: AS NOTED

TITLE:
Structural Details

SHEET:
S-3
S003



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.

STRUCTURAL CERTIFICATION
STRUCTURAL PLANS CERTIFIED AS PROVIDED IN SECTION 106.1(A) OF THE D.C. CONSTRUCTION CODES SUPPLEMENT AS AMENDED TO DATE

GENERAL STRUCTURAL NOTES

BUILDING CODES

- A. ALL CONSTRUCTION SHALL CONFORM WITH THE ICG INTERNATIONAL BUILDING CODE (IBC 2012), DC BUILDING CODE (DCBC 2018) AND ALL SUBSEQUENT SUPPLEMENTS.
B. ADDITIONS/ALTERATIONS TO EXISTING STRUCTURES SHALL CONFORM WITH THE ICG INTERNATIONAL EXISTING BUILDING CODE (IEBC 2012), DC EXISTING BUILDING CODE (DCBC 2018) AND ALL SUBSEQUENT SUPPLEMENTS.
C. IN ADDITION, ALL CONSTRUCTION SHALL CONFORM WITH THE FOLLOWING INDUSTRY STANDARDS:
ASCE/SEI 7-10 - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
ACI 318-11 - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
ANSI D11.2015 - STRUCTURAL WELDING CODE - STEEL

DESIGN LOADS

- A. THE DESIGN DEAD LOADING FOR ALL FRAMING IS BASED ON THE CONSTRUCTION MATERIALS SHOWN ON THE DRAWINGS. ALL FRAMING IS DESIGNED FOR THE HEIGHT OF THE EQUIPMENT INDICATED ON THE DRAWINGS.
B. SNOW LOAD DESIGN DATA
GROUND SNOW LOAD: Pg = 25 PSF
SNOW EXPOSURE FACTOR: Ce = 1.0
THERMAL FACTOR: Ct = 1.2
SNOW LOAD IMPORTANCE FACTOR: Is = 1.0
FLAT ROOF SNOW LOAD: Pf = 21 PSF
SLOPE FACTOR: Cs = 1.0
SLOPED ROOF SNOW LOAD: Ps = 21 PSF
C. WIND LOAD DESIGN DATA
ANALYSIS PROCEDURE: ANALYTICAL
BASIC WIND SPEED: V = 90 MPH
ULTIMATE WIND SPEED: VULT = 115 MPH
WIND IMPORTANCE FACTOR: I = 1.0
EXPOSURE CATEGORY: B
PRESSURE EXPOSURE COEFFICIENT: Kz = 0.7
TOPOGRAPHIC FACTOR: Kzt = 1.0
DIRECTIONALITY FACTOR: Kd = 0.85
GUST EFFECT FACTOR: G = 1.0
FORCE COEFFICIENT: Cf = 1.3
ENCLOSURE CLASSIFICATION: VARIES
D. EARTHQUAKE LOAD DESIGN DATA
SEISMIC IMPORTANCE FACTOR: IE = 1.0
SPECTRAL RESPONSE ACCELERATIONS: Ss = 0.1125
SI = 0.051
SITE CLASS: D
SITE COEFFICIENTS: Fa = 1.6
Fv = 2.4
SPECTRAL RESPONSE COEFFICIENTS: Sps = 0.126
SD1 = 0.082
SEISMIC DESIGN CATEGORY: B
BASIC SEISMIC FORCE RESISTING SYSTEM: STEEL FRAMES NOT SPECIFICALLY DESIGNED FOR SEISMIC RESISTANCE
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
RESPONSE MODIFICATION COEFFICIENT: R = 3.0
BASE SHEAR COEFFICIENT: Cs = 0.0255
E. THE CONTRACTOR SHALL NOT STORE ANY CONSTRUCTION MATERIALS OR UNDERTAKE ANY CONSTRUCTION OPERATION WHICH WILL EXCEED THE DESIGN LIVE LOADINGS NOTED.
F. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION AND REMOVAL OF TEMPORARY BRACINGS AND CONSTRUCTION SUPPORTS FOR NEW AND EXISTING STRUCTURES, AS REQUIRED TO COMPLETE THE PROJECT. THE STABILITY OF THE STRUCTURE IS DEPENDENT UPON THE DIAPHRAGM ACTION OF THE FLOORS AND ROOF. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR THE METHOD OF CONSTRUCTION AND SHALL PROVIDE ALL TEMPORARY BRACING AND SHORING REQUIRED TO MAINTAIN THE STABILITY OF THE STRUCTURE AND TO SUPPORT CONSTRUCTION LOADS DURING CONSTRUCTION. CONTRACTORS SHALL RETAIN STRUCTURAL ENGINEER LICENSED IN THE STATE IN WHICH PROJECT IS LOCATED TO DESIGN TEMPORARY BRACING AND CONSTRUCTION SUPPORTS.
G. STRUCTURAL COMPONENTS ARE NOT DESIGNED FOR VIBRATING EQUIPMENT. MOUNT VIBRATING EQUIPMENT ON VIBRATION ISOLATORS.

EXISTING STRUCTURE

- A. ALL EXISTING PLANS, DETAILS, DIMENSIONS, AND ELEVATIONS INDICATE EXISTING CONDITIONS AS KNOWN. THE EXISTING INFORMATION SHOWN IS NOT INTENDED TO BE "AS BUILT" AND THE ACTUAL CONSTRUCTION MAY DIFFER FROM THAT SHOWN. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS INCLUDING DIMENSIONS AND ELEVATIONS PRIOR TO STARTING CONSTRUCTION. MINOR VARIATIONS CAN BE EXPECTED AND ANY REQUIRED DEVIATION FROM THE CONTRACT DOCUMENTS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
B. THE CONTRACTOR SHALL LOCATE ALL UTILITIES IN THE AREA OF CONSTRUCTION AND PREVENT DAMAGE TO THEM. SHOULD DAMAGE OCCUR TO ANY UTILITIES, THE CONTRACTOR IS REQUIRED TO REPAIR THE DAMAGE TO THE SATISFACTION OF THE OWNER AT HIS OWN EXPENSE.
C. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACINGS AND SHORING REQUIRED TO MAINTAIN THE STABILITY OF THE EXISTING STRUCTURE DURING CONSTRUCTION. THE DESIGN OF ALL TEMPORARY BRACING AND SHORING IS THE CONTRACTOR'S RESPONSIBILITY.
D. THE CONTRACTOR SHALL MONITOR THE EXISTING STRUCTURE DURING CONSTRUCTION. IMMEDIATELY NOTIFY THE ENGINEER OF AREAS EXHIBITING DISTRESS OR FAILURE.
E. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE AND CONDITION OF ALL EXISTING FRAMING. SHOULD THE SIZE OR CONDITION OF THE EXISTING FRAMING DIFFER FROM THAT SHOWN ON THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.

MISCELLANEOUS

- A. SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS MUST BE SUBMITTED BY THE CONTRACTOR OR OWNER FOR REVIEW BY THE ENGINEER. IF THE CONTRACTOR OR OWNER FAILS TO SUBMIT THE SHOP DRAWINGS, THE ENGINEER WILL NOT BE RESPONSIBLE FOR STRUCTURAL CONSTRUCTION AND DESIGN OF THE PROJECT. THE SHOP DRAWINGS SHALL INDICATE ANY DEVIATIONS OR OMISSIONS FROM THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMISSION AND MAKE ALL CORRECTIONS DEEMED NECESSARY.
B. SEE ARCHITECTURAL, CIVIL AND MEP CONTRACT DOCUMENTS FOR ADDITIONAL INFORMATION RELATING TO THE COORDINATION OF STRUCTURAL COMPONENTS.
C. THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL, CIVIL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION AND DIMENSION OF CHASES, INSERTS, OPENINGS, SLEEVES, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS WHICH IMPACT THE STRUCTURAL COMPONENTS. THE STRUCTURAL CONSTRUCTION DRAWINGS DO NOT SHOW ALL OPENINGS REQUIRED. ADDITIONAL OPENINGS, BUCKETS AND SLEEVES MAY BE REQUIRED BY OTHER DISCIPLINES AND SHALL BE CONSTRUCTED USING THE TYPICAL DETAILS AND/OR CRITERIA INDICATED IN THE STRUCTURAL DRAWINGS. OPENINGS REQUIRED BUT NOT SHOWN ON THE STRUCTURAL DRAWINGS MUST BE APPROVED BY THE STRUCTURAL ENGINEER.
D. 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.
E. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS SHOWN ON THE CONTRACT DRAWINGS BEFORE PROCEEDING WITH CONSTRUCTION. ALL DISCREPANCIES AND OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
F. THE CONTRACTOR SHALL NOT SUBMIT REPRODUCTIONS OF THE STRUCTURAL CONTRACT DOCUMENTS AS SHOP DRAWINGS.
G. SCALES SHOWN ON THE STRUCTURAL CONTRACT DRAWINGS ARE FOR GENERAL INFORMATION ONLY. DIMENSIONAL INFORMATION SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS.
H. APPLY DETAILS, SECTIONS AND NOTES ON THE DRAWINGS WHERE CONDITIONS ARE SIMILAR TO THOSE INDICATED BY DETAIL, DETAIL TITLE OR NOTE.
I. ASSUME EQUAL SPACINGS BETWEEN ESTABLISHED DIMENSIONS, IF NOT INDICATED ON DRAWINGS.
J. CENTERLINES OF FRAMING MEMBERS COINCIDE WITH COLUMN CENTERLINES, UNLESS OTHERWISE NOTED.
K. THE CONTRACTOR SHALL VERIFY THAT CONSTRUCTION LOADS DO NOT EXCEED THE CAPACITY OF THE STRUCTURE AT THE TIME THE LOAD IS APPLIED.

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 (ANGLES, CHANNELS, PLATES, AND BARS) SHALL CONFORM TO ASTM A36 (Fy = 36 KSI).
D. ALL HSS ROUND SHAPES SHALL CONFORM TO ASTM A500, GRADE B (Fy = 42 KSI). ALL HSS SQUARE OR RECTANGULAR SHAPES SHALL CONFORM TO ASTM A500, GRADE B (Fy = 46 KSI).
E. ALL PIPE SHALL CONFORM TO ASTM A53, GRADE B (Fy = 35 KSI).
F. WHERE NO CAMBER IS INDICATED, FABRICATE BEAMS SO THAT ANY NATURAL CAMBER IS UPWARD AFTER ERECTION.

- G. 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. BOLTED CONNECTIONS SHALL USE NO LESS THAN TWO 3/4" DIA ASTM A325 OR A490 HIGH STRENGTH BOLTS. CONFORM TO AISC SPECIFICATION "STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
H. UNLESS NOTED OTHERWISE, DETAILS INDICATED ON THE DRAWINGS INDICATE GENERAL CRITERIA FOR DESIGN AND DETAILS OF THE CONNECTIONS. DETAILS INDICATED ON DRAWINGS ARE NOT INTENDED TO CONVEY COMPLETE CONNECTOR SIZES, PLATE SIZES, WELD SIZES, NUMBER OF BOLTS OR ANY OTHER SPECIFIC INFORMATION THAT IS OBTAINED THROUGH DESIGNING OF AN INDIVIDUAL CONNECTION FOR A GIVEN SET OF LOADS. THESE DETAILS DO NOT SHOW ERECTION AIDS. PROVIDE ERECTION AIDS AS REQUIRED AND REMOVE THEM AFTER WORK IS COMPLETE.
I. ALL WELDED CONNECTIONS SHALL USE E70XX ELECTRODES.
J. ALL NUTS SHALL CONFORM TO ASTM A563. ALL WASHERS SHALL CONFORM TO ASTM F436.
K. 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.
L. BRACING AND MOMENT CONNECTIONS SHALL BE CONSIDERED SLIP-CRITICAL. BOLTS IN SLIP-CRITICAL CONNECTIONS SHALL BE TIGHTENED BY THE TURN-OF-NUT METHOD. BOLTS IN ALL OTHER CONNECTIONS SHALL BE MADE "SNUG TIGHT" AS DEFINED BY AISC.
M. ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY CERTIFIED WELDERS AND CONFORM TO THE AMERICAN WELDING SOCIETY CODE FOR BUILDINGS AND D.I.I. WELDS SHALL DEVELOP THE FULL STRENGTH OF MATERIALS BEING WELDED UNLESS OTHERWISE INDICATED.
N. THE CONTRACTOR SHALL NOT SPLICE OR CUT OPENINGS IN STEEL MEMBERS NOT SHOWN ON CONTRACT DRAWINGS WITHOUT THE PERMISSION OF THE STRUCTURAL ENGINEER.
O. AN INDEPENDENT INSPECTION AGENCY SHALL INSPECT ALL STRUCTURAL STEEL AND VERIFY THAT IT CONFORMS TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. FIELD INSPECTION REPORTS SHALL BE SUBMITTED TO THE ENGINEER WITHIN 5 DAYS OF THE INSPECTION. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY OF ALL PHASES OF STEEL CONSTRUCTION AND WELDING.
P. 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. ALL BOLTS, SCREWS, WASHERS & NUTS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM F2329.
Q. PROVIDE HOLES IN STEEL AS REQUIRED TO PREVENT ANY ACCUMULATION OF WATER. ALL PENETRATIONS THROUGH MAIN MEMBERS SHALL NOT EXCEED 1-1/8" DIA. AND SHALL BE GROUND SMOOTH. THESE DRAINS MUST BE KEPT CLEAN AND OPEN.
R. 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.
S. 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 STRUCTURAL ENGINEER.

ANTENNA COMPONENT COATINGS NOTES

- A. ALL METAL COMPONENTS OF THE ANTENNA SYSTEM ARE SPECIFIED TO BE FABRICATED FROM HOT DIP GALVANIZED STEEL. AFTER ERECTION, THESE COMPONENTS SHALL BE COATED AS FOLLOWS:
1. SOLVENT CLEAN WITH LOW PRESSURE WATER WASHING (9,500 PSI) IN CONFORMANCE WITH SSPC SP-1.
2. PRIME WITH A 100% SOLIDS PIGMENTLESS EPOXY RECOMMENDED FOR USE ATOP HOT DIP GALVANIZED SURFACES.
3. INTERMEDIATE AND TOP COATINGS SHALL BE THE SAME FOR EXTERIOR COATING AND INTERIOR COATING SPECIFICATIONS.
B. SOME ANTENNA COMPONENTS MAY BE COATED PRIOR TO ERECTION. HOWEVER, FINAL COATING INSPECTION OF THESE ITEMS IS REQUIRED AND ITEMS REJECTED BY WARREN COUNTY'S GC REPRESENTATIVE, DAFANET ENGINEERING SHALL BE RE-ACCOMPLISHED.
C. ANTENNAS, MOUNTS, VISIBLE PORTIONS OF COAX, AND COAX SUPPORT SHALL BE PAINTED TO MATCH EXISTING WATER TANK.

POST-INSTALLED ANCHORS (ADHESIVE ANCHORS)

- A. THE ADHESIVE ANCHOR SYSTEM USED FOR POST-INSTALLED ANCHORAGE TO CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY PUBLISHED ACI 308.4.
B. EXISTING REINFORCING BARS AND/OR POST-TENSIONING TENDONS SHALL NOT BE DAMAGED DURING INSTALLATION OF THE ADHESIVE ANCHORS. THE CONTRACTOR SHALL FIELD LOCATE ALL REINFORCING BARS AND/OR TENDONS IN THE VICINITY OF THE ADHESIVE ANCHORS BY MEANS OF NON-DESTRUCTIVE METHODS (GPR, X-RAY OR OTHER NON-DESTRUCTIVE METHOD).
C. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (FC) OF 2500 PSI AT THE TIME OF ADHESIVE ANCHOR INSTALLATION.
D. CONCRETE AT TIME OF ADHESIVE ANCHOR INSTALLATION SHALL HAVE A MINIMUM AGE OF 21 DAYS.
E. CONCRETE TEMPERATURE AT THE TIME OF ADHESIVE ANCHOR INSTALLATION SHALL BE AT LEAST 50° F.
F. EMBEDMENT DEPTH SHALL BE AS SHOWN ON THE DRAWINGS OR DETAILS FOR THE PARTICULAR ANCHOR OR GROUP OF ANCHORS BEING INSTALLED. ANCHOR PROJECTION SHALL BE AS REQUIRED TO COMPLETELY INSTALL ALL ATTACHED COMPONENTS.
G. ADHESIVES SHALL BE STORED AND INSTALLED AT THE SERVICE TEMPERATURE RANGES RECOMMENDED BY THE MANUFACTURER.
H. ADHESIVE ANCHORS SHALL BE INSTALLED BY QUALIFIED PERSONNEL TRAINED TO INSTALL ADHESIVE ANCHORS IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR CONSTRUCTION DOCUMENTS. POST-INSTALLED ADHESIVE ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.
I. INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM. THESE ANCHORS ARE DESIGNATED WITH "CERTY" AFTER THE ANCHOR CALL-OUT.
J. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT REQUIRED TO INSTALL THE ADHESIVE ANCHOR INCLUDING, BUT NOT LIMITED TO, DRILLS, SETTING TOOLS, CLEAN-OUT BRUSHES, BLOW OUT BULBS, OIL-FREE COMPRESSED AIR, SHOP VACUUMS, WRENCHES, ETC.
K. ANCHORS SHALL BE INSTALLED IN HOLES DRILLED WITH A ROTARY IMPACT HAMMER DRILL OR ROCK DRILL. CORE-DRILLING HOLES FOR ADHESIVE ANCHORS IS NOT PERMITTED.
L. ANCHOR HOLES SHALL BE THOROUGHLY CLEANED PRIOR TO ADHESIVE INJECTION, AS REQUIRED BY THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.
M. DRILLED AND CLEANED ANCHOR HOLES SHALL BE PROTECTED FROM CONTAMINATION UNTIL THE ADHESIVE IS INSTALLED.
N. INSTALLED ADHESIVE ANCHORS SHALL BE SECURELY FIXED IN-PLACE TO PREVENT DISPLACEMENT WHILE THE ADHESIVE CURES. UNLESS SHOWN OTHERWISE ON THE DRAWINGS, ANCHORS SHALL BE INSTALLED PERPENDICULAR TO THE CONCRETE SURFACE. ANCHORS DISPLACED BEFORE FULL ADHESIVE CURE SHALL BE CONSIDERED DAMAGED AND REPLACED.
O. REINFORCING BARS OR ALL-THREAD BARS SHALL NOT BE BENT AFTER BEING ADHESIVELY EMBEDDED IN THE HARDENED, SOUND CONCRETE.

STRUCTURAL FIBERGLASS

- A. ALL STRUCTURAL SHAPES ARE TO BE MANUFACTURED BY THE PULTRUSION PROCESS WITH A GLASS CONTENT MINIMUM OF 45% MAXIMUM OF 55% BY WEIGHT. THE STRUCTURAL SHAPES SHALL BE COMPOSED OF FIBERGLASS REINFORCEMENT AND RESIN IN QUALITIES, QUANTITIES, PROPERTIES, ARRANGEMENTS AND DIMENSIONS AS NECESSARY TO MEET THE DESIGN REQUIREMENTS AND DIMENSIONS AS SPECIFIED.
B. FIBERGLASS REINFORCEMENT SHALL BE A COMBINATION OF CONTINUOUS ROVING, CONTINUOUS STRAND MAT, AND SURFACING VEIL IN SUFFICIENT QUANTITIES AS NEEDED BY THE APPLICATION AND/OR PHYSICAL PROPERTIES REQUIRED.
C. ALL FINISHED SURFACES OF FRP ITEMS AND FABRICATIONS SHALL BE SMOOTH, RESIN-RICH, FREE OF VOIDS AND WITHOUT DRY SPOTS, CRACKS, CRAZES OR UNREINFORCED AREAS. ALL GLASS FIBERS SHALL BE WELL COVERED WITH RESIN TO PROTECT AGAINST THEIR EXPOSURE DUE TO WEAR OR WEATHERING.
D. ALL PULTRUDED STRUCTURAL SHAPES SHALL BE PROTECTED FROM ULTRAVIOLET (UV) ATTACK WITH INTEGRAL UV INHIBITORS IN THE RESIN AND A SYNTHETIC SURFACING VEIL TO PRODUCE A RESIN RICH SURFACE.
E. PULTRUDED STRUCTURAL SHAPES ARE TO HAVE THE MINIMUM LONGITUDINAL MECHANICAL PROPERTIES LISTED BELOW:
TENSILE STRENGTH D658 30,000 PSI
TENSILE MODULUS D658 2,800 KSI
FLEXURAL STRENGTH D710 30,000 PSI
FLEXURAL MODULUS D710 1,800 KSI
FLEXURAL MODULUS (FULL SECTION) N/A 2,800 KSI
SHORT BEAM SHEAR (TRANSVERSE) D2344 4,800 PSI
SHEAR MODULUS (TRANSVERSE) N/A 480 KSI
COEFFICIENT OF THERMAL EXPANSION D646 4.4 x10^-6 IN/IN/°F
FLAME SPREAD E84 25 OR LESS
F. STRUCTURAL SHAPES SUPPLIED SHALL MEET THE MINIMUM DIMENSIONAL REQUIREMENTS AS SHOWN OR SPECIFIED. THE CONTRACTOR SHALL PROVIDE AND/OR VERIFY MEASUREMENTS IN FIELD FOR WORK FABRICATED TO FIT FIELD CONDITIONS AS REQUIRED BY MANUFACTURER TO COMPLETE THE WORK. DETERMINE CORRECT SIZE AND LOCATIONS OF REQUIRED HOLES OR COPINGS FROM FIELD DIMENSIONS BEFORE STRUCTURAL SHAPE FABRICATION.

- G. ALL SHOP FABRICATED CUTS OR DRILLING SHALL BE COATED WITH VINYL ESTER RESIN TO PROVIDE MAXIMUM CORROSION RESISTANCE. ALL FIELD FABRICATED CUTS OR DRILLING SHALL BE COATED SIMILARLY BY THE CONTRACTOR IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
H. THE CONTRACTOR SHALL FURNISH MANUFACTURER'S SHOP DRAWINGS CLEARLY SHOWING MATERIAL SIZES, TYPES, STYLES, PART OR CATALOG NUMBERS, COMPLETE DETAILS FOR THE FABRICATION OF AND ERECTION OF COMPONENTS INCLUDING, BUT NOT LIMITED TO, LOCATION, LENGTHS, TYPE AND SIZES OF FASTENERS, CLIP ANGLES, MEMBER SIZES, AND CONNECTION DETAILS.



verizon BEST WESTERN REPLACEMENT 101 G STREET SW WASHINGTON, DC 20024 (DISTRICT OF COLUMBIA)

Table with 2 columns: NO, DESCRIPTION, DATE. Row 1: Permit Set, 11-27-2017

DESIGNED BY: JT
DRAWN BY: CJS
PROJECT NO: 10427.2264
DATE: 09/22/2017
SCALE: AS NOTED

Structural Notes
SHEET: S-4 S004



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.

STRUCTURAL CERTIFICATION
STRUCTURAL PLANS CERTIFIED AS PROVIDED IN SECTION 106.1(A) OF THE D.C. CONSTRUCTION CODES SUPPLEMENT AS AMENDED TO DATE

ELECTRICAL SPECIFICATION

I. SECTION 16010 - BASIC ELECTRICAL REQUIREMENTS

- A. THE WORK INCLUDES FURNISHING AND INSTALLING THE MATERIAL, EQUIPMENT AND SYSTEMS SPECIFIED AND/OR INDICATED ON THE DRAWINGS. THE ELECTRICAL INSTALLATIONS, WHEN FINISHED, SHALL BE COMPLETE AND COORDINATED AND READY FOR SATISFACTORY SERVICE.
- B. ALL WORK UNDER THIS CONTRACT SHALL BE DONE IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE, LOCAL AND NATIONAL ELECTRICAL CODES THAT GOVERN EACH PARTICULAR TRADE AND THE 2011 NATIONAL ELECTRICAL CODE.
- C. THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL EQUIPMENT INSTALLATION WITH ALL TRADES.
- D. THE CONTRACTOR SHALL MAKE APPLICATION AND PAY ALL CHARGES FOR ALL NECESSARY PERMITS, LICENSES AND INSPECTIONS AS REQUIRED UNDER THE ABOVE CODES. UPON COMPLETION OF THE WORK, THE CUSTOMARY CERTIFICATIONS OF APPROVAL SHALL BE FURNISHED.
- E. NO MATERIALS OR EQUIPMENT SHALL BE USED IN THE WORK UNTIL APPROVED. ALL MATERIALS SHALL BE U.L. LISTED.
- F. THE CONTRACTOR SHALL EXAMINE ALL DRAWINGS AND SPECIFICATIONS AND SHALL INSPECT THE EXISTING CONDITIONS OF THE SITE. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR COMPLYING WITH THE CONTRACT DOCUMENTS.
- G. THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF THE ELECTRICAL INSTALLATIONS, DETAILS OF PROPOSED DEPARTURES DUE TO ACTUAL FIELD CONDITIONS OR OTHER CAUSES SHALL BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION. REWORK OF COMPLETED ITEMS DUE TO IMPROPER FIELD COORDINATION SHALL BE AT THE CONTRACTOR'S EXPENSE.
- H. PROVIDE SUFFICIENT ACCESS AND CLEARANCE FOR ALL ITEMS OF EQUIPMENT REQUIRING SERVICING AND MAINTENANCE.
- I. THE CONTRACTOR SHALL PERFORM ALL NECESSARY CUTTING AND PATCHING AS REQUIRED TO COMPLETE THE INSTALLATIONS. PATCHING OF WALLS, FLOORS, CEILING, ETC. SHALL MATCH THE ADJACENT SURFACES.
- J. THE CONTRACTOR SHALL PREPARE THREE (3) COPIES OF A RECORD AND INFORMATION BOOKLET. THE BOOKLET SHALL BE BOUND IN A THREE RING LOOSE-LEAF BINDER AND INCLUDE ALL ITEMS OF ELECTRICAL EQUIPMENT (I.E. PANELBOARDS, LIGHTING FIXTURES, LAMPS, ETC.).
- K. UPON COMPLETION OF THE ELECTRICAL INSTALLATION, THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF PRINTS OF THE ELECTRICAL CONTRACT DRAWINGS WHICH SHALL BE LEGIBLY MARKED IN RED TO SHOW ALL CHANGES AND DEPARTURES OF THE INSTALLATIONS COMPARED WITH THE ORIGINAL DESIGN. THEY SHALL BE SUITABLE FOR USE IN PREPARATION OF RECORD DRAWINGS, AS A MINIMUM, THE CONTRACTOR SHALL ADDRESS THE FOLLOWING:
 1. SOURCE, ORIGIN, AND/OR ROUTING OF VERIZON FEEDER.
 2. CIRCUIT NUMBERING. CONTRACTOR SHALL ATTACH TO THE AS-BUILT A COPY OF THE FINAL TYPEWRITTEN PANEL SCHEDULE AS LEFT IN EACH PANELBOARD.
 3. LOCATION OF MAJOR PIECES OF DISTRIBUTION EQUIPMENT SUCH AS KILOWATT HOUR METER AND VERIZON FEEDER OVERCURRENT DEVICES.
 4. LOCATION OF THE EMERGENCY GENERATOR AND AUTOMATIC TRANSFER SWITCH.
- L. GUARANTEE: ALL NEW ELECTRICAL INSTALLATIONS SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR BEGINNING THE DAY OF THE FINAL ACCEPTANCE OF THE WORK OR BENEFICIAL OCCUPANCY OF THE OWNER, WHICHEVER OCCURS FIRST. THE ABOVE SHALL NOT IN ANY WAY VOID OR ABBROGATE EQUIPMENT MANUFACTURER'S GUARANTEE OR WARRANTY. CERTIFICATES OF GUARANTEE SHALL BE DELIVERED TO THE OWNER UPON RECEIPT OF NOTICE FROM THE OWNER OF FAILURE OF ANY PART OF THE ELECTRICAL INSTALLATION DURING THE GUARANTEE PERIOD. NEW REPLACEMENT PARTS SHALL BE FURNISHED AND INSTALLED PROMPTLY AND AT NO COST TO VERIZON.
- M. ANY ELECTRICAL WORK WHICH WILL INTERFERE WITH THE NORMAL USE OF THE BUILDING IN ANY MANNER SHALL BE DONE AT SUCH TIME OR TIMES AS SHALL BE MUTUALLY AGREED UPON BETWEEN THE CONTRACTOR AND THE VERIZON REPRESENTATIVE.
- N. ALL EXISTING ELECTRICAL SYSTEMS IN OCCUPIED AREAS SHALL BE KEPT IN OPERATION DURING THE PROGRESS OF WORK. TEMPORARY ELECTRICAL CONNECTIONS SHALL BE PROVIDED TO ALL SYSTEMS OR EQUIPMENT, WHERE NECESSARY TO MAINTAIN CONTINUOUS OPERATION UNTIL THE NEW SYSTEMS AND EQUIPMENT ARE READY FOR OPERATION.
- O. WHEN THE WORK SPECIFIED HEREUNDER CONNECTS TO ANY EXISTING CONDUIT, WIRING OR OTHER EQUIPMENT, THE CONTRACTOR SHALL PERFORM ALL NECESSARY ALTERATIONS, CUTTING, AND FITTING OF THE EXISTING WORK AS MAY BE NECESSARY OR REQUIRED TO MAKE SATISFACTORY CONNECTIONS BETWEEN THE NEW AND EXISTING WORK AND SHALL LEAVE COMPLETED WORK IN A FINISHED AND WORKMANLIKE CONDITION, TO THE ENTIRE SATISFACTION OF THE ENGINEER.
- P. SUPPORTS, HANGERS, AND FOUNDATIONS; PROVIDE ALL SUPPORTS, HANGERS, BRACES, ATTACHMENTS, AND FOUNDATIONS REQUIRED FOR THE WORK. SUPPORT AND SET THE WORK IN A THOROUGHLY SUBSTANTIAL AND WORKMANLIKE MANNER WITHOUT PLACING LOADS ON THE MATERIALS, EQUIPMENT, OR THE BUILDING STRUCTURE. SUPPORTS, HANGERS, BRACES AND ATTACHMENTS SHALL BE STANDARD MANUFACTURED ITEMS OR FABRICATED STRUCTURAL STEEL SHAPES.
- Q. THERE SHALL BE NO INTERRUPTION OF POWER TO EXISTING ELECTRICAL SYSTEMS WITHOUT THE CONSENT OF THE BUILDING OWNER. SUCH INTERRUPTIONS SHALL BE KEPT TO A MINIMUM AND SHALL BE SCHEDULED WITH THE OWNER AT LEAST THREE BUSINESS DAYS IN ADVANCE OF THE OUTAGE. ANY COST FOR WORK THAT MUST BE DONE ON AN OVERTIME BASIS SHALL BE INCLUDED IN THE BID.
- R. MOUNTING AND SUPPORTING OF ALL EQUIPMENT PROVIDED BY THIS CONTRACTOR SHALL BE COORDINATED WITH VERIZON IN THE FIELD.
- S. PREPARE AND SUBMIT TO VERIZON CATALOG CUTS FOR THE FOLLOWING:
 - PANELBOARDS
 - LIGHTING FIXTURES
 - KILOWATT HOUR METER
- T. PROVIDE ALL CUTTING AND PATCHING NECESSARY FOR THE INSTALLATION OF THE ELECTRICAL WORK. ANY DAMAGE DONE TO THE WORK ALREADY IN PLACE BY REASON OF THIS WORK SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE BY A QUALIFIED MECHANIC EXPERIENCED IN SUCH WORK. PATCHING SHALL BE UNIFORM IN APPEARANCE AND SHALL MATCH THE SURROUNDING SURFACE. DO NOT CUT STRUCTURAL MEMBERS WITHOUT APPROVAL BY VERIZON. ALL PENETRATIONS THROUGH WALLS OF NEW ROOM SHALL BE SEALED TO PREVENT PASSAGE OF FM200 AGENT. WHERE PENETRATIONS ARE NECESSARY THROUGH THE ROOF, PROVIDE ALL NECESSARY CURBS, SLEEVES, SHIELDS, FITTINGS, AND CAULKING TO MAKE THE PENETRATIONS ABSOLUTELY WATERTIGHT.
- U. IN GENERAL, POWER WIRING AND MOTOR STARTING EQUIPMENT FOR SYSTEMS ARE INCLUDED UNDER THIS SPECIFICATION. CONTROL AND INTERLOCK WIRING FOR HVAC SYSTEMS IS INCLUDED UNDER MECHANICAL SPECIFICATION. CAREFULLY REVIEW THE CONTRACT DOCUMENTS AND COORDINATE THE ELECTRICAL WORK UNDER THE VARIOUS DIVISIONS.

2. SECTION 16050 - BASIC ELECTRICAL MATERIALS & METHODS

- A. **CONDUIT & BOXES:**
 1. INSTALL ALL WIRING IN CONDUIT (EXCEPT AS OTHERWISE INDICATED - SEE PART B WIRES & CABLE) AND PROVIDE EMPTY CONDUIT FOR SPECIAL SYSTEMS DESCRIBED ELSEWHERE. MINIMUM CONDUIT SIZE SHALL BE 3/4". INSTALL ALL CONDUIT CONCEALED UNLESS OTHERWISE INDICATED. SUPPORT ALL CONDUIT SO THAT STRAIN IS NOT TRANSMITTED TO OUTLET BOXES AND PULL BOXES, ETC. SUPPORTS SHALL BE SUFFICIENTLY RIGID TO PREVENT DISTORTION OF CONDUITS DURING WIRE PULLING.
 2. SUPPORT SINGLE RUNS OF SUSPENDED FEEDER CONDUIT WITH 'KINDORF' C-144 OR C-150 ADJUSTABLE HANGERS USING 3/8" RODS FOR CONDUITS UP TO 2" AND 1/2" RODS FOR CONDUITS LARGER THAN 2". SUPPORT SURFACE TYPES OF CONDUIT USING ONE OR TWO HOLE PIPE STRAPS. STRAP SPACING 6 FOOT ON CENTERS, MAXIMUM.

3. FASTEN CONDUIT STRAPS TO CONCRETE USING INSERTS OR EXPANSION BOLTS AND TO HOLLOW MASONRY USING TOSGLE BOLTS. WOODEN PLUGS ARE UNACCEPTABLE.
4. PROVIDE HOT-DIP GALVANIZED, RIGID STEEL CONDUIT FOR WORK EXPOSED TO WEATHER. PROVIDE ELECTRICAL METALLIC TUBING (EMT) FOR CONCEALED WORK ABOVE SUSPENDED CEILING AND WITHIN INTERIOR PARTITIONS. PROVIDE FLEXIBLE METAL CONDUIT (GREENFIELD) IN SHORT LENGTHS FOR THE CONNECTION OF RECESSED LIGHTING FIXTURES, MOTOR STARTING EQUIPMENT. PROVIDE FULL SIZE EQUIPMENT GROUND WIRE WHERE LENGTHS EXCEED SIX (6) FEET. ALUMINUM CONDUIT IS PROHIBITED. SET SCREW TYPE CONDUIT FITTINGS ARE PROHIBITED.
5. ALL OUTLET, SWITCH AND JUNCTION BOXES, ETC., SHALL BE SHERARIZED OR GALVANIZED STAMPED STEEL AS MANUFACTURED BY STEEL CITY, RAGO, APPLETON, OR GENERAL ELECTRICAL. PROVIDE BOX AT EACH OUTLET SWITCH, ETC. ALL BOXES SHALL BE SIZED PER THE NEG. OF A TYPE SUITABLE FOR THE DUTY INTENDED AND SUPPLIED WITH APPROPRIATE RINGS.
6. JUNCTION AND PULL BOXES SHALL BE FURNISHED AND INSTALLED AS SHOWN OR WHERE REQUIRED TO FACILITATE PULLING OF WIRES OR CABLES. SUCH BOXES SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS. ALL BOXES FOR CONCEALED WORK SHALL BE CONSTRUCTED OF #12 GAUGE USS GALVANIZED SHEET STEEL MINIMUM, UNLESS OTHERWISE SPECIFIED OR INDICATED AND PROVIDED WITH MOUNTING BRACKETS AND FLAT SCREEN COVERS, SECURED IN POSITION BY ROUND HEAD BRASS OR STAINLESS STEEL 300 GRADE MACHINE SCREWS. GASKETED COVER PLATES SHALL BE FURNISHED FOR OUTDOOR INSTALLATIONS.
7. ALL OUTLET BOXES USED FOR SUPPORTING FIXTURES SHALL BE FURNISHED WITH MALLEABLE IRON FIXTURE STUDS OF 'NO-BOLT' TYPE SECURED BY LOCKNUTS.
8. ALL BOXES, WHETHER OUTLET, JUNCTION, PULL, OR EQUIPMENT SHALL BE FURNISHED WITH APPROPRIATE COVERS.
9. NO SPECIALIZED BOXES SHALL BE USED.
10. OUTLET, JUNCTION, AND PULL BOXES SHALL BE SHEET STEEL, WHERE REQUIRED TO FACILITATE PULLING OF WIRES OR CABLES, SUCH BOXES SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.
11. CONDUIT SHALL BE COMPRESSION FITTING TYPE ONLY.

B. WIRES & CABLE:

1. BUILDING WIRE, UNLESS OTHERWISE INDICATED, SHALL BE 600 VOLT, TYPE THIN INSULATION FOR INTERIOR AND EXTERIOR USE. CONDUCTORS SHALL BE SOFT DRAWN COPPER OF NOT LESS THAN #18 CONDUCTIVITY FOR BRANCH CIRCUITS (UNDER 50 AMPS) INSTALLED ABOVE DROPPED CEILING AND WITHIN DRYWALL PARTITIONS, TYPE MC CABLE (METAL CLAD) MAY BE USED WHERE PERMITTED BY THE NEG AND LOCAL CODES. NO ROMEX OR AC (BX) CABLE WILL BE ALLOWED ON THE PROJECT.
2. NO WIRE SMALLER THAN NO. TWELVE (12) AWG SHALL BE USED UNLESS OTHERWISE INDICATED. CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND FROM TERMINAL BOARD TO POINT OF FINAL CONNECTION. AND NO SPICE SHALL BE MADE EXCEPT WITHIN OUTLET OR JUNCTION BOXES. ALL CONDUCTORS SHALL BE OF THE SIZES AS INDICATED. ALL WIRES NO. EIGHT (8) AWG AND LARGER SHALL BE STRANDED. THE CONTRACTOR SHALL MAKE WIRING CONNECTIONS OF ALL ELECTRICAL EQUIPMENT REQUIRING ELECTRICAL SERVICE. WIRES AND CABLES SHALL BE AS MANUFACTURED BY PIRELLI, ROYAL, AND TRIANGLE OR EQUIVALENT.
3. ALL WIRING SHALL BE COLOR CODED. MATCH EXISTING SYSTEM COLOR CODING WHERE APPLICABLE.
4. WIRING FOR GENERAL 20 AMP BRANCH CIRCUIT WORK SHALL BE AS FOLLOWS UNLESS OTHERWISE INDICATED:

HOME RUN LENGTH AND WIRE SIZE	CIRCUIT LENGTH AND WIRE SIZE
0' - 60', #12	0' - 100', #12
60' - 100', #10	100' AND UP., #10

C. DISCONNECTS:

1. FURNISH AND INSTALL SAFETY SWITCHES WHERE INDICATED AND AS REQUIRED FOR MOTOR OUTLETS OR OTHER EQUIPMENT. SWITCHES SHALL BE OF SIZE, NUMBER OF POLES AND PHASE OR NON-PHASE, AS REQUIRED FOR JOB CONDITIONS AND THE NATIONAL ELECTRICAL CODE.

D. WIRING DEVICES:

1. THE FOLLOWING WIRING DEVICES SHALL BE FURNISHED AND INSTALLED WHERE CALLED FOR ON THE DRAWINGS. MISCELLANEOUS ITEMS NOT INCLUDED BELOW SHALL BE UNDERWRITERS' LABORATORIES STANDARD CONFORMING TO THE NEG. ALL DEVICES SHALL BE OF THE SAME MANUFACTURER. DEVICES SHALL BE ARROW HART #141 FOR 20 AMPERES, THREE-WAY SWITCHES SHALL BE OF THE SAME MANUFACTURER AND GRADE. ALL DEVICES SHALL BE WHITE.
2. WALL SWITCHES; TOSGLE SWITCHES SHALL BE OF THE SILENT MECHANICAL TYPE RATED 20 AMPERE, 120/277 VOLT A.C. SINGLE POLE SWITCHES SHALL BE ARROW HART #141 FOR 20 AMPERES. THREE-WAY SWITCHES SHALL BE OF THE SAME MANUFACTURER AND GRADE. ALL DEVICES SHALL BE WHITE.
3. RECEPTACLES; RECEPTACLES FOR WALL OUTLETS SHALL BE RATED 20 AMPERE, 125 VOLTS, DUPLEX, THREE-WIRE WITH THIRD POLE GROUNDED. OUTLETS SHALL BE ARROW HART #562M FOR 20 AMPERE. GFCI SHALL BE #6F520 RATED 15 AMPERE, 120 VOLT. ALL DEVICES SHALL BE WHITE.

E. GROUNDING:

1. PROVIDE GROUND FOR ALL RACEWAYS, DEVICES, AND UTILIZATION EQUIPMENT PERMANENTLY AND EFFECTIVELY IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, AS HERINAFTER SPECIFIED. ALL GROUNDING AND BONDING CONNECTIONS SHALL BE SOLDERLESS.
2. PROVIDE INSULATED GROUNDING CONDUCTORS FOR FEEDER AND BRANCH CIRCUIT WIRING AS CALLED FOR ON THE PLANS. PROVIDE GROUNDING BLOCKS, TERMINALS, ETC., FOR CONNECTION OF GROUND WIRE IN ALL DISTRIBUTION EQUIPMENT, OUTLETS, JUNCTION BOXES, AND UTILIZATION EQUIPMENT.

3. SECTION 16400 - SERVICE & DISTRIBUTION

A. ELECTRICAL SERVICE:

1. ELECTRICAL SERVICE TO THE NEW VERIZON WIRELESS ROOFTOP EQUIPMENT PLATFORM SHALL BE EXTENDED FROM THE PROPOSED METER AND ENCLOSED CIRCUIT BREAKERS MOUNTED ON MAIN ELECTRIC ROOM INTERIOR WALL.

B. PANELBOARDS:

1. THE CONTRACTOR SHALL BALANCE THE LOADS ON ALL PANELBOARDS AS CLOSELY AS POSSIBLE AND TO THE SATISFACTION OF THE ENGINEER.

2. FURNISH AND INSTALL, WHERE INDICATED ON THE DRAWINGS, AUTOMATIC CIRCUIT BREAKER PANELBOARDS COMPLETE WITH ENCLOSING CABINETS. ENCLOSURES SHALL BE NEMA 1 FOR RECESSED OR SURFACE MOUNTING AS INDICATED. PANELBOARDS AND ENCLOSING CABINETS SHALL CONFORM TO STANDARDS ESTABLISHED BY UNDERWRITERS' LABORATORIES, INC. AND REQUIREMENTS OF THE NATIONAL ELECTRIC CODE.
3. ALL PANELBOARD INTERIORS SHALL BE FACTORY ASSEMBLED, COMPLETE WITH CIRCUIT BREAKERS AS SCHEDULED ON THE DRAWINGS. INTERIORS SHALL BE DESIGNED AND ASSEMBLED SO THAT ANY INDIVIDUAL BREAKER CAN BE REPLACED WITHOUT DISTURBING ADJACENT UNITS, WITHOUT REMOVING MAIN BUS, AND SHALL EMPLOY SEQUENCE BUSSING, MAIN BUSSSES AND BACK PANS OF DISTRIBUTION AND POWER PANELBOARDS SHALL BE OF SUCH DESIGN THAT BRANCH CIRCUITS MAY BE CHANGED WITHOUT ADDITIONAL DRILLINGS, MACHINING, OR TAPPING. ALL CIRCUIT BREAKERS SHALL BE QUICK-MAKE AND SHALL BE TRIP INDICATING.
4. PANELBOARDS SHALL EMPLOY BOLT-ON BREAKERS OF NOT LESS THAN 22,000 SYMMETRICAL A.I.C. AT 120 VOLTS OR 240 VOLTS AS REQUIRED. PANELBOARDS SHALL BE EQUIPPED WITH COPPER BUS BARS, FURNISH SQUARE D, GENERAL ELECTRIC, OR WESTINGHOUSE AS INDICATED ON THE PANELBOARD SCHEDULE AND AS FOLLOWS:

MANUFACTURER	TYPE	DESIGNATION
INTERSECT	AA3006-3PH-423R	'PPI'

C. SAFETY DISCONNECT SWITCHES:

1. SWITCHES SHALL BE VISIBLE BLADE EXTERNALLY OPERATED WITH ALL CURRENT CARRYING PARTS SILVER OR TIN PLATED. ALL SWITCHES SHALL HAVE PROVISIONS FOR NOT LESS THAN TWO (2) EXTERNAL PADLOCKS.
2. SWITCHES SHALL BE HEAVY-DUTY TYPE, FUSED (DUAL ELEMENT, TIME DELAY) OR UNFUSED AS INDICATED, AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, OR WESTINGHOUSE. SWITCHES SHALL BE RATED 240 VOLT, AND SHALL BE SIDE HANDLE OPERATED. ENCLOSURES SHALL BE NEMA 1 FOR GENERAL INTERIOR WORK AND NEMA 3R FOR EXTERIOR.

D. COMMUNICATIONS SERVICE:

1. THE EXISTING TELEPHONE SERVICE SHALL REMAIN AND BE EXTENDED FROM THE TELCO DEMARC TO TELEPHONE JUNCTION BOX ON THE NEW EQUIPMENT PLATFORM.
2. FURNISH BACKBOARD FOR TELEPHONE EQUIPMENT, WHERE INDICATED ON DRAWINGS.
3. ALL ELBOWS IN CONDUIT RUNS SHALL BE WIDE SWEEP FIELD BENDS. INSTALL PULL BOXES AS REQUIRED AND WHERE DIRECTED BY THE TELEPHONE COMPANY AND/OR AS REQUIRED BY THE NATIONAL ELECTRICAL CODE.
4. PROVIDE NYLON PULL WIRE IN ALL CONDUITS LEFT EMPTY. ALL CONDUITS SHALL BE TERMINATED WITH NYLON INSULATING BUSHINGS.
5. COMMUNICATIONS SERVICE SHALL BE PROVIDED WITH 50 PAIR CABLE, BUILDING ENTRANCE PANEL, AND SNAP JACK.

E. STAND-BY DC GENERATOR:

1. THE CONTRACTOR SHALL INSTALL THE OWNER FURNISHED POLAR POWER STAND-BY GENERATOR. VERIZON WIRELESS HAS PRE-PURCHASED THE FOLLOWING EQUIPMENT:

GENERATOR:	POLAR POWER -48V DC GENERATOR SET (5 KW NATURAL GAS POWERED WITH WEATHERPROOF, SOUND ATTENUATED ENCLOSURE).
------------	---
2. COORDINATE ALL INSTALLATION REQUIREMENTS WITH VERIZON AND THE EQUIPMENT MANUFACTURER.
3. PROVIDE ALL MATERIALS FOR STARTUP AND TESTING; TURN OVER A COMPLETE, FUNCTIONAL SYSTEM TO VERIZON.

F. SECTION 16500 - LIGHTING FIXTURES

1. FURNISH AND INSTALL A COMPLETE LIGHTING FIXTURE FOR EACH LIGHTING FIXTURE SYMBOL SHOWN ON THE DRAWINGS, OF THE TYPE AND QUALITY DESCRIBED HEREIN. FIXTURES SHALL BE INSTALLED COMPLETE WITH LAMPS OF THE WATTAGE INDICATED, SOCKETS, HOUSING, BALLAST (IF REQUIRED), SHADES, DIFFUSERS, SUPPORTS, ETC., AND WIRED FOR OPERATION.
2. ALL FIXTURES SHALL BE WIRED FOR POLARIZED SYSTEM WITH ONE WIRE IN EACH FIXTURE TO BE DISTINCTLY MARKED FOR ITS ENTIRE LENGTH. WIRE SHALL BEAR THE LABEL OF APPROVAL OF THE UNDERWRITERS' LABORATORIES, INC. FIXTURE WIRING FOR FLUORESCENT FIXTURES AND BRANCH CIRCUIT WIRING IN FLUORESCENT FIXTURE CHANNELS SHALL BE TYPE THIN OR THN (90 DEGREES C, RATED). ALL CHANNELS IN FLUORESCENT LIGHTING FIXTURES SHALL BE APPROVED FOR THROUGH WIRING. TYPE AF WIRE SHALL ONLY BE USED FOR INTERIOR INCANDESCENT FIXTURE WIRING.
3. EACH FIXTURE SHALL BE COMPLETELY EQUIPPED WITH LAMPS OF THE SIZE, TYPE, WATTAGE AND SHAPE INDICATED AND SPECIFIED. ALL LAMPS SHALL BE MANUFACTURED BY THE GENERAL ELECTRIC CO., WESTINGHOUSE MFG. CO., PENNSYLVANIA, OR APPROVED EQUAL, OF STANDARD SCHEDULE MAKE. LUMEN OUTPUT AND LIFE OF LAMPS SHALL BE IN ALL RESPECTS EQUIVALENT TO THOSE SPECIFIED. ALL LAMPS SHALL BE PROPER VOLTAGE FOR THE BUILDING. EXACT VOLTAGE SHALL BE CHECKED BEFORE ORDERING LAMPS.
4. AT THE LOCATIONS OF OUTLETS INDICATED ON THE VARIOUS DRAWINGS, THE TYPE OF FIXTURE REQUIRED IS DESIGNATED BY A TYPE LETTER. ALL FIXTURES SHALL BE FURNISHED IN THE QUANTITIES, SIZES AND TYPES AS INDICATED ON THE DRAWINGS.

ELECTRICAL SYMBOLS LIST

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

- FIXTURE-POST MOUNTED
- SWITCH-SINGLE POLE, TIMER, SUBSCRIPT DENOTES FIXTURE CONTROLLED
- RECEPTACLE-20A-125 VOLTS DUPLEX M.H. 1'-8"
- JUNCTION BOX
- PANELBOARD 120/208 VOLTS-M.H. 6'-6" TO TOP
- TELEPHONE TERMINAL BACKBOARD
- DRAWING NOTE
- BRANCH CIRCUIT-EXPOSED IN CEILING OR WALLS
- GROUND CONDUCTOR
- ELECTRIC FEEDER CONDUIT
- TELEPHONE CONDUIT
- CONTROL WIRING CONDUIT
- ALARM WIRING CONDUIT
- HOMERUN TO PANEL-LETTER AND NO. INDICATES CIRCUIT NUMBER. NO. OF CROSSLINES INDICATES NO. OF CONDUCTORS WHEN MORE THAN 3. } #12 UNLESS NOTED OTHERWISE
- DISCONNECT SWITCH-UNFUSED, FUSED M.H. 5'-6" TO TOP
- METER
- DRY TYPE TRANSFORMER
- GROUND CONNECTION
- GROUND BAR PLATE
- FRONT OF EQUIPMENT
- ENCLOSED CIRCUIT BREAKER

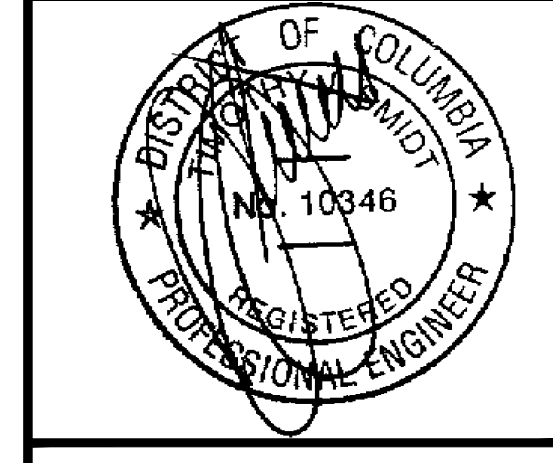
ABBREVIATIONS

GRD	- GROUND	MTD	- MOUNTED
M.H.	- MOUNTING HEIGHT	MCA	- MINIMUM CIRCUIT AMPS
AFF	- ABOVE FINISHED FLOOR	GB	- GROUND BAR
WP	- WEATHERPROOF	GFI	- GROUND FAULT INTERRUPTER
C, CDT	- CONDUIT	ATS	- AUTOMATIC TRANSFER SWITCH
DWG	- DRAWING		

(PROPOSED) PANEL PPI (NEMA 3R)	
120/208 VOLTS 3Ø 4 WIRE 200 AMP MAIN C.B.	
DESCRIPTION	DESCRIPTION
CHARLES CABINET RECTIFIER 1	30 1 2 20 CHARLES CABINET #1 RECP.
CHARLES CABINET RECTIFIER 2	30 3 4 20 PLATFORM LIGHTING
CHARLES CABINET RECTIFIER 3	30 5 6 - SPACE
CHARLES CABINET RECTIFIER 4	30 7 8 - SPACE
SPACE	9 10 - SPACE
SPACE	10 11 12 - SPACE
SPACE	13 14 - SPACE
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
LIGHTING LOAD: 0.02 KVA x 125% = 0.03 KVA	
RECEPTACLE LOAD: 0.18 KVA	
CHARLES CABINET LOAD: 11.52 KVA	
TOTAL LOAD: 11.73 KVA = 32.5 A @ 120/208V, 3Ø, 4W	

* CONTRACTOR SHALL FIELD COORDINATE OVERCURRENT PROTECTION WITH MANUFACTURER'S RECOMMENDATIONS.

** PANELBOARDS SHALL BE EQUIPPED WITH A TYPEWRITTEN DIRECTORY, INDICATING PLAINLY WHAT EACH CIRCUIT OF THE PANEL CONTROLS.



verizon
 BEST WESTERN REPLACEMENT
 101 G STREET, SW
 WASHINGTON, D.C. 20024

REVISIONS:		
NO.	DESCRIPTION	DATE
	PERMIT DRAWINGS	11/27/17
	ELECTRIC SERVICE REV.	11/17/17

LAST REV.:
 PROJECT NO: 17086P
 DATE: NOVEMBER 17, 2017
 SCALE: AS NOTED

TITLE:
 ELECTRICAL SPECIFICATIONS, SYMBOLS LIST, AND SCHEDULE

SHEET:
 E-1
 E001