

ENGINEERING
 2017 NATIONAL ELECTRIC CODE
 2018 INTERNATIONAL BUILDING CODE, NEW JERSEY EDITION
 TIA/EIA-222-G
 AMERICAN WELDING SOCIETY D1.1

GENERAL NOTES
 THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

PROJECT DESCRIPTION
 THE PROPOSAL IS FOR THE CONSTRUCTION OF AN UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF TWELVE (12) NEW ANTENNAS INSTALLED ON A NEW PLATFORM INSTALLED ON AN EXISTING STEEL POLE AT A CENTERLINE HEIGHT OF 157.5'± AGL, PROPOSED RRH AND ACCESSORY EQUIPMENT RACK AND ALL ASSOCIATED APPURTENANCES WITHIN A PROPOSED EQUIPMENT SHELTER IN AN EXISTING COMPOUND INSTALLED AT THE BASE OF THE POLE.

SITE INFORMATION
 ADDRESS: PSE&G STEEL POLE #12/4-1
 ROSELAND-LAMBERTVILLE RIGHT-OF-WAY
 LONG HILL ROAD
 LONG HILL TOWNSHIP
 MORRIS COUNTY, NEW JERSEY
 COUNTY: MORRIS
 BLOCK: 13908
 LOT: 1501
 PROPERTY OWNER/LESSOR: PUBLIC SERVICE ELECTRIC AND GAS COMPANY (PSE&G)
 80 PARK PLAZA
 NEWARK, NEW JERSEY 07102
 TOWER INFORMATION: VOLTAGE: 345 KV
 CIRCUIT #: N/A
 LATITUDE (NAD 83): N 40° 41' 16.25"
 LONGITUDE (NAD 83): W 74° 27' 52.70"
 GROUND ELEVATION: 393.0± FT. AMSL
 CURRENT USE: PUBLIC UTILITY WITH WIRELESS COMMUNICATIONS ATTACHMENT
 PROPOSED USE: PUBLIC UTILITY WITH WIRELESS COMMUNICATIONS ATTACHMENT
 JURISDICTION: LONG HILL TOWNSHIP
 ZONING DISTRICT: C (CONSERVATION ZONE)
 APPLICANT: NEW CINGULAR WIRELESS PCS, LLC
 ONE AT&T WAY
 BEDMINSTER, NJ 07921

PROJECT CONTACTS

NAME:	PHONE #:
SAC MANAGER:	
AT&T RF: PAUL SCHWEDHELM	201-888-0312
CONSTRUCTION:	
PSE&G: ANTHONY F. SUPPA, JR.	973-430-7506

RF DATA NOTE
 CONTRACTOR SHALL OBTAIN LATEST RF DATA SHEET AND CONFIRM SAME WITH AT&T CONSTRUCTION MANAGER PRIOR TO START OF CONSTRUCTION.
 11"x17" DRAWINGS WILL NOT BE TO SCALE. SCALES ARE INDICATED BASED ON FULL SIZE PLOT.

CONTACT INFORMATION

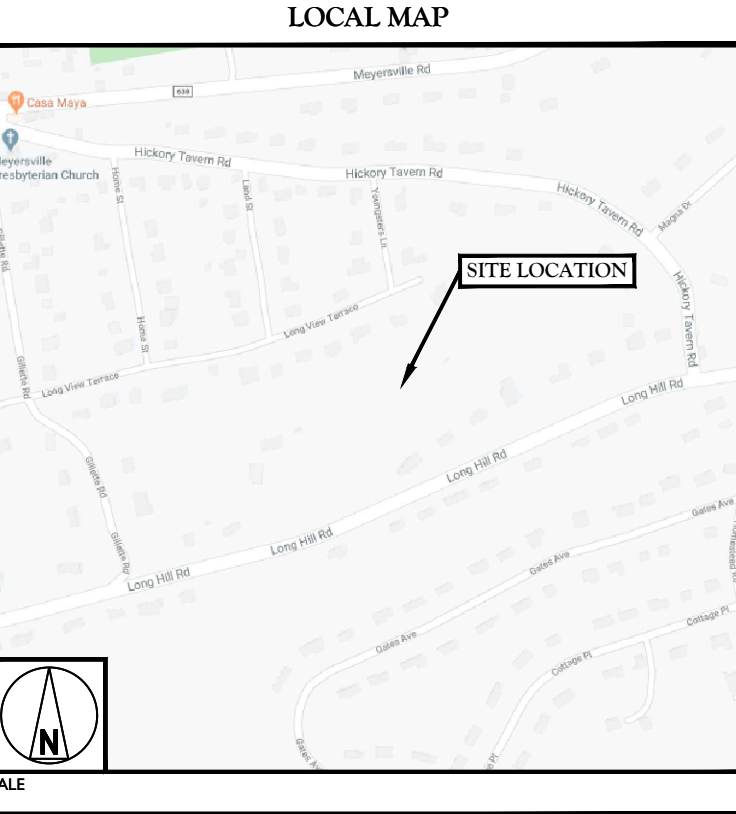
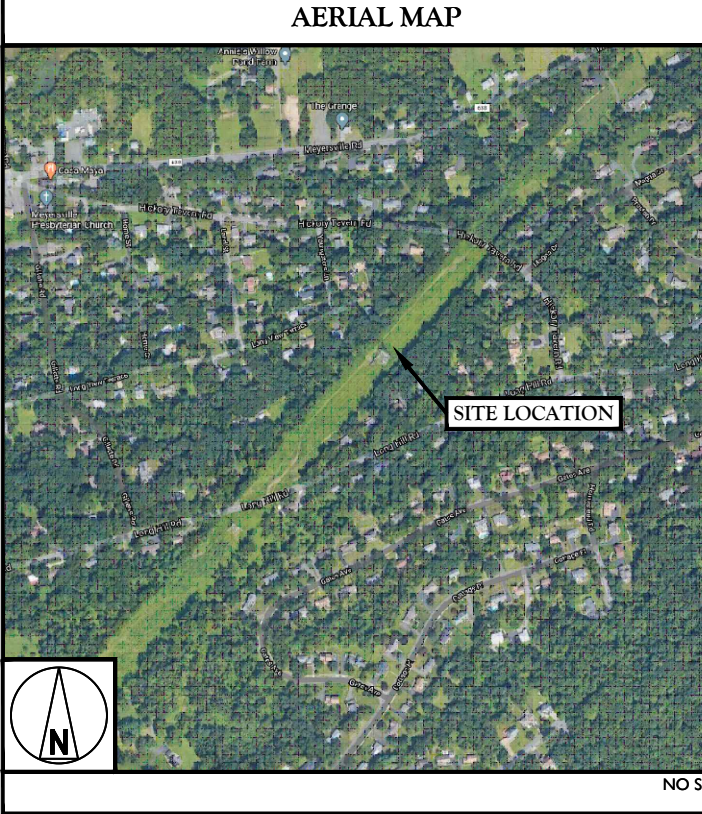
ENGINEER: MASER CONSULTING
 2000 MIDLANTIC DRIVE
 MT. LAUREL, NJ 08054

CONTACT: ALEC S. NORRIS
 PHONE: (856) 797-0412 EXT. 4145

PSE&G - LONG HILL 1 RELO
SITE ID #: NWL02408
CONSTRUCTION DRAWINGS
PROPOSED UNMANNED EQUIPMENT COMPOUND
AT EXISTING TRANSMISSION TOWER



PUBLIC SERVICE ELECTRIC AND GAS COMPANY (PSE&G)
150' PSE&G STEEL POLE #12/4-1
ROSELAND-LAMBERTVILLE RIGHT-OF-WAY
VOLTAGE 345 KV - CIRCUIT # N/A
LONG HILL ROAD, LONG HILL TOWNSHIP
MORRIS COUNTY, NEW JERSEY



DRIVING DIRECTIONS
 DIRECTIONS FROM ONE AT&T WAY, BEDMINSTER NJ:
 HEAD SOUTHWEST ON AT&T WAY. TAKE A SLIGHT RIGHT. CONTINUE STRAIGHT ONTO US-202 S./ US-206 S. USE THE RIGHT LANE TO MERGE ONTO I-287 S. VIA THE RAMP TO I-78/ SOMERVILLE/ PRINCETON. MERGE ONTO I-287 S. TAKE EXIT 21 A TO MERGE ONTO I-78 E. TOWARD NEW YORK CITY. TAKE EXIT 40 TOWARD GILLETTE. TURN LEFT ONTO HILLCREST RD. TURN LEFT TO STAY ON HILLCREST RD. CONTINUE ONTO MOUNTAIN AVE. SHARD RIGHT ONTO LONG HILL RD. THE DESTINATION WILL BE ON THE LEFT.

DO NOT SCALE DRAWINGS
 CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME

811 NEW JERSEY ONE CALL
 PHONE #: 1-800-272-1000
 WEBSITE: WWW.NJ1-CALL.ORG

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DRAWING INDEX

SHEET NO.	SHEET NAME
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E-1	UTILITY ROUTING PLANS
E-2	ELECTRICAL AND TELEPHONE RISER DIAGRAM AND NOTES
G-1	GROUNDING PLAN AND NOTES
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G-3	GROUNDING DETAILS - 2

ENDORSEMENTS
 APPROVED BY PUBLIC SERVICE ELECTRIC AND GAS (PSE&G) COMPANY

PSE&G REPRESENTATIVE _____ DATE _____

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SCALE: AS SHOWN JOB NUMBER: 19936010A

REV	DATE	DESCRIPTION	BY	CHECKED BY
1	07/08/21	REVISED PER COMMENTS	AMN	ASN
0	06/21/21	ISSUED FOR CONSTRUCTION	AMN	ASN
A	03/16/21	ISSUED FOR REVIEW	AMN	ASN



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PSE&G - LONG HILL 1 RELO
PSE&G STEEL TOWER #12/4-1
ROSELAND-LAMBERTVILLE
RIGHT-OF-WAY
SITE ID: NWL02408
FA#: 14916372
LONG HILL ROAD
LONG HILL TOWNSHIP
MORRIS COUNTY, NJ

MT. LAUREL OFFICE
 2000 Midlantic Drive
 Suite 100
 Mt. Laurel NJ 08054
 Phone: 856.797.0412
 Fax: 856.722.1120
 email: solutions@maserconsulting.com

SHEET TITLE: **TITLE SHEET**
 SHEET NUMBER: **T-1**

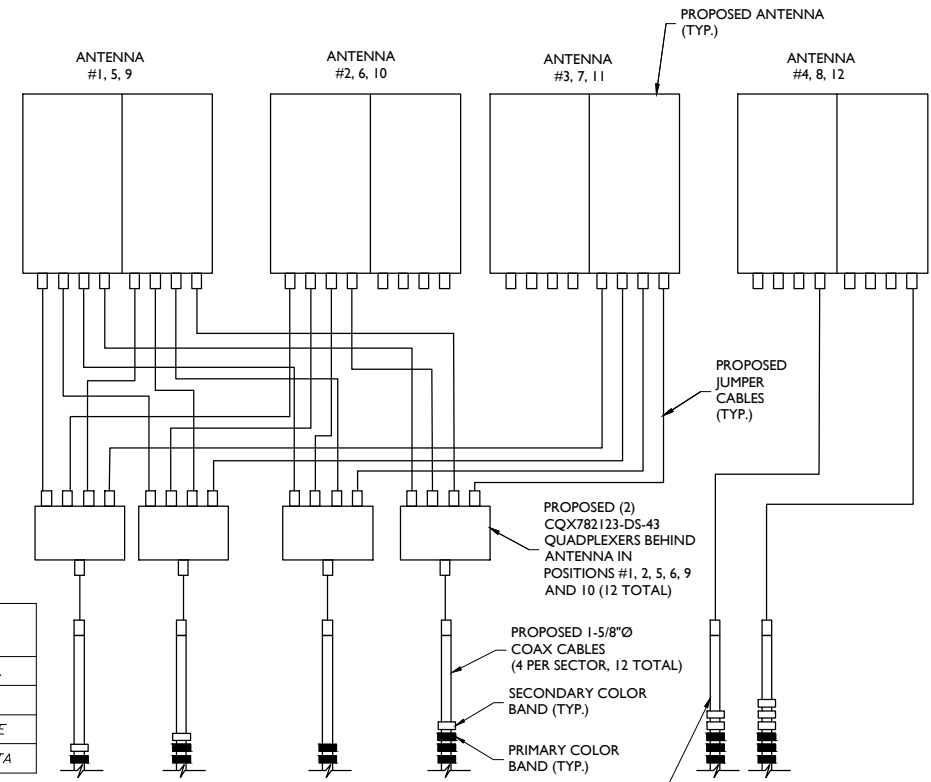
M:\Projects\2021\02408\Drawings\12-4-1 (R)-L1-AT&T-LongHill-CD-Rev1.dwg T1

PROPOSED ANTENNA AND TRANSMISSION CABLE CONFIGURATION

SECTOR	PROPOSED ANTENNA CONFIGURATION	TECH.	ANTENNA STATUS	HEIGHT (in)	WIDTH (in)	DEPTH (in)	WEIGHT (lbs)	ANTENNA AZIMUTH	ANT. CL. ELEV. (ft.)	DOWNTILT		TRANSMISSION CABLE				QUADPLEXER CONFIGURATION	
										M	E	QTY.	LENGTH	TYPE	STATUS		
ALPHA	1	CCI OPA45R-BU5CA-K	LTE	NEW	55	29.1	8.5	64.6	320°	157.5'	0	0	2	200'	1/2" FIBER	NEW	(2) CQX782123-DS-43
	2	CCI OPA45R-BU5CA-K	LTE	NEW	55	29.1	8.5	64.6	320°	157.5'	0	0	4	200'	1-5/8" COAX	NEW	(2) CQX782123-DS-43
	3	CCI OPA45R-BU5CA-K	LTE	NEW	55	29.1	8.5	64.6	320°	157.5'	0	0	-	-	-	-	-
	4	CCI OPA45R-BU5CA-K	SPARE	NEW	55	29.1	8.5	64.6	320°	157.5'	0	0	-	-	-	-	-
BETA	5	CCI OPA45R-BU5CA-K	LTE	NEW	55	29.1	8.5	64.6	70°	157.5'	0	0	2	200'	1/2" FIBER	NEW	(2) CQX782123-DS-43
	6	CCI OPA45R-BU5CA-K	LTE	NEW	55	29.1	8.5	64.6	70°	157.5'	0	0	4	200'	1-5/8" COAX	NEW	(2) CQX782123-DS-43
	7	CCI OPA45R-BU5CA-K	LTE	NEW	55	29.1	8.5	64.6	70°	157.5'	0	0	-	-	-	-	-
	8	CCI OPA45R-BU5CA-K	SPARE	NEW	55	29.1	8.5	64.6	70°	157.5'	0	0	-	-	-	-	-
GAMMA	9	CCI OPA45R-BU5CA-K	LTE	NEW	55	29.1	8.5	64.6	250°	157.5'	0	0	2	200'	1/2" FIBER	NEW	(2) CQX782123-DS-43
	10	CCI OPA45R-BU5CA-K	LTE	NEW	55	29.1	8.5	64.6	250°	157.5'	0	0	4	200'	1-5/8" COAX	NEW	(2) CQX782123-DS-43
	11	CCI OPA45R-BU5CA-K	LTE	NEW	55	29.1	8.5	64.6	250°	157.5'	0	0	-	-	-	-	-
	12	CCI OPA45R-BU5CA-K	SPARE	NEW	55	29.1	8.5	64.6	250°	157.5'	0	0	-	-	-	-	-

NOTES:
- ALL PROPOSED ANTENNAS ARE MULTI-BAND (12 TOTAL).

- WORK SCOPE:**
1. INSTALL PROPOSED 12.5' SQUARE PLATFORM (COMMSCOPE PART #MC-PK12S4-B) WITH HANDRAIL KIT (COMMSCOPE PART #MC-TR4-12) AND (16) 2-3/8"x72" MOUNTING PIPES (SITEPRO1 PART #P272).
 2. INSTALL PROPOSED ANTENNAS ON NEW PIPE MASTS (4 PER SECTOR, 12 TOTAL).
 3. INSTALL PROPOSED (2) CQX782123-DS-43 QUADPLEXERS BEHIND ANTENNAS IN POSITIONS # 1, 2, 5, 6, 9 AND 10 (12 TOTAL).
 4. INSTALL (6) 1/2" FIBER CABLES AND (12) 1-5/8" COAX CABLES ON CABLE SUPPORT BRACKETS ROUTED ON THE OUTSIDE OF TOWER.

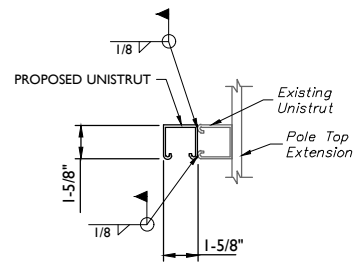


PRIMARY COLOR

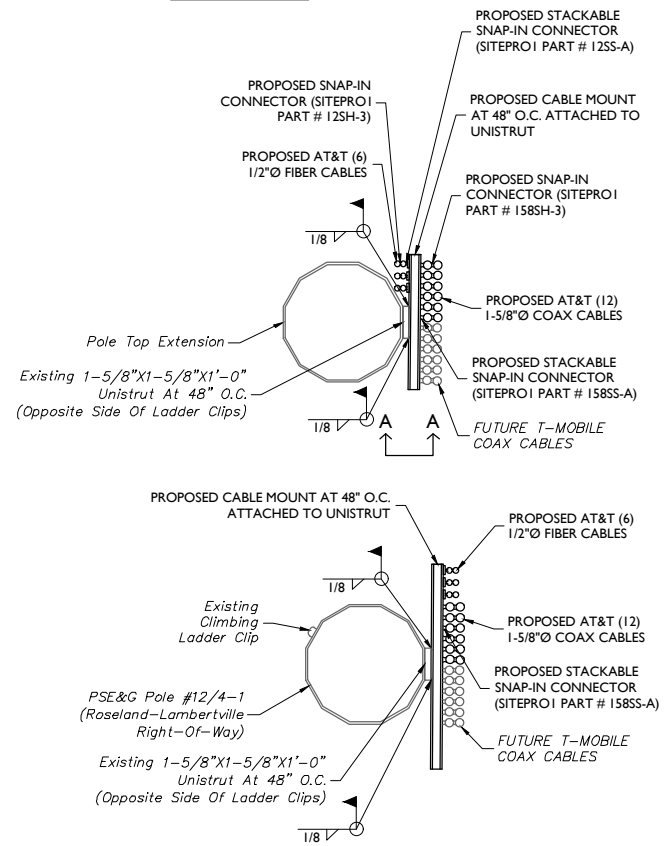
SECTOR	COLOR
ALPHA	GREEN
BETA	BLUE
GAMMA	WHITE
DELTA	RED

SECONDARY COLOR

SECTOR	COLOR
GSM	NONE
UMTS	ORANGE
LTE	MAGENTA

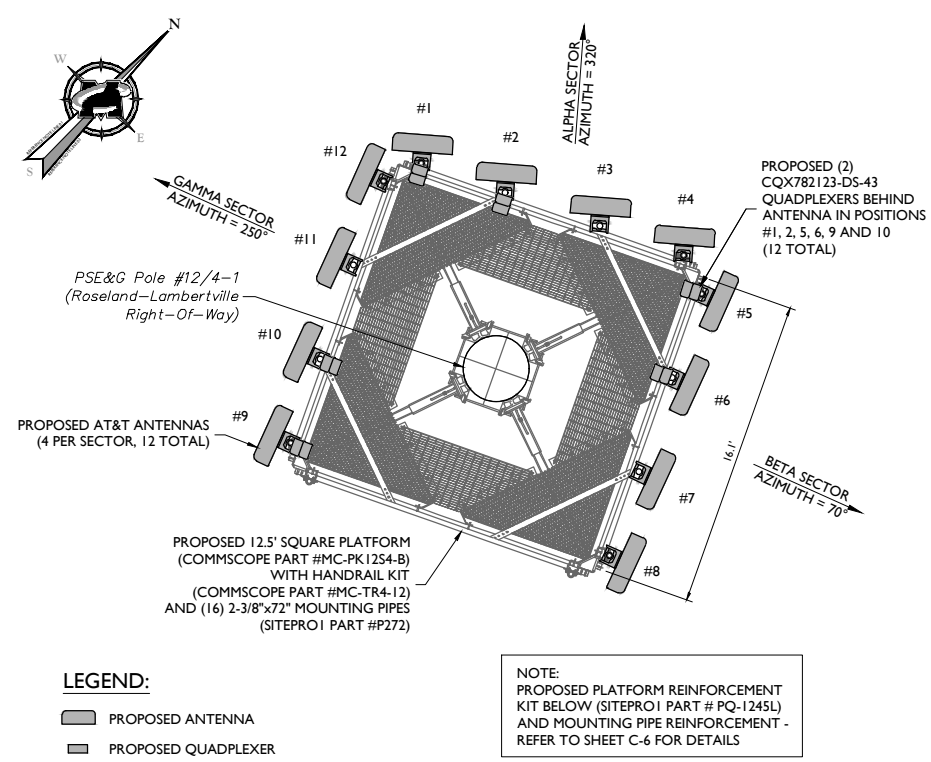


SECTION A-A

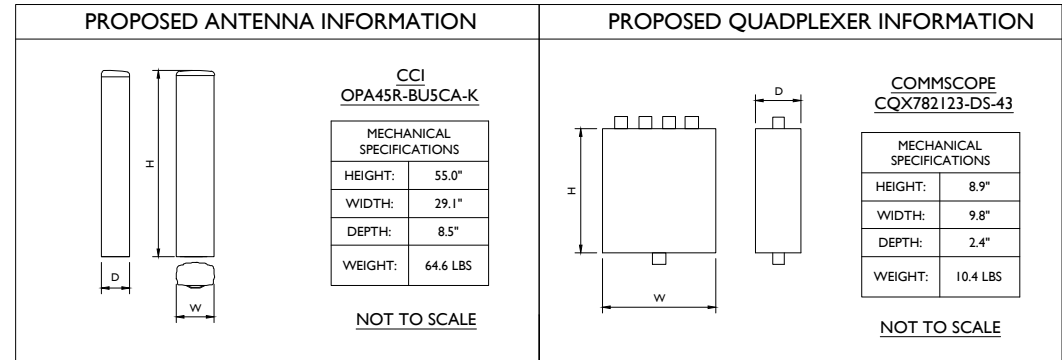


CABLE ROUTING DETAILS
NOT TO SCALE

ANTENNA WIRING DIAGRAM
(TYP. EACH SECTOR)
NOT TO SCALE



ANTENNA ORIENTATION PLAN
NOT TO SCALE



BILL OF MATERIALS

DESCRIPTION	QUANTITY	PART NUMBER
12.5' PLATFORM	1	COMMSCOPE MC-PK12S4-B
HANDRAIL KIT	1	COMMSCOPE MC-TR4-12
2-3/8" X 72" LONG MOUNTING PIPES	16	SITEPRO1 P272
PLATFORM REINFORCEMENT KIT	1	SITEPRO1 PQ-1245L
CROSSOVER PLATE KIT	16	SITEPRO1 SCX1-K
CROSSOVER PLATE KIT	16	SITEPRO1 SCX4-K
LACE-UP HOISTING GRIP FOR 1-5/8" COAX	12	SITEPRO1 GRIP158
LACE-UP HOISTING GRIP FOR 1/2" FIBER	6	SITEPRO1 GRIP12
UNISTRUT SUPPORT ARM	1	UNISTRUT P2545
UNISTRUT VERTICAL SUPPORT	1	UNISTRUT P1000
ANTENNAS	12	CCI OPA45R-BU5CA-K
QUADPLEXERS	12	COMMSCOPE CQX782123-DS-43
1-5/8" COAX CABLES	2,400 FT.	HELIAX AVA7-50
UNIVERSAL SQUARE RAIL SNAP-IN SUPPORT	37	SITEPRO1 ARA22
SNAP-IN CONNECTORS - 10 PACK (FOR 1-5/8" COAX CABLES)	24	SITEPRO1 1585H-3
SNAP-IN CONNECTORS - 10 PACK (FOR FIBER CABLES)	12	SITEPRO1 12H-3
STACKABLE SNAP-IN CONNECTORS - 10 PACK (FOR 1-5/8" COAX CABLES)	24	SITEPRO1 1585S-A
STACKABLE SNAP-IN CONNECTORS - 10 PACK (FOR FIBER CABLES)	12	SITEPRO1 12SS-A
ADDITIONAL COLLAR RING MOUNT	1	SITEPRO1 UQ84

NOTE:
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SCALE:	AS SHOWN	JOB NUMBER:	1993610A	
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	07/08/21	REVISED PER COMMENTS	AH/N	ASN
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ALICE S. NORRIS
 NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: 24680449800

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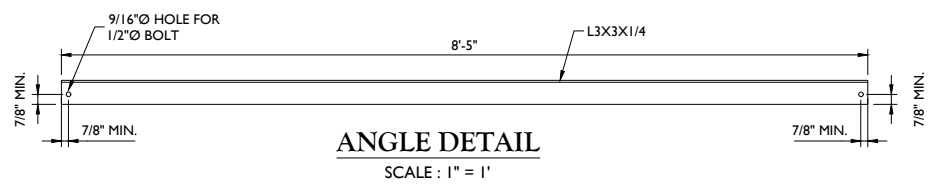
PSE&G - LONG HILL 1 RELO
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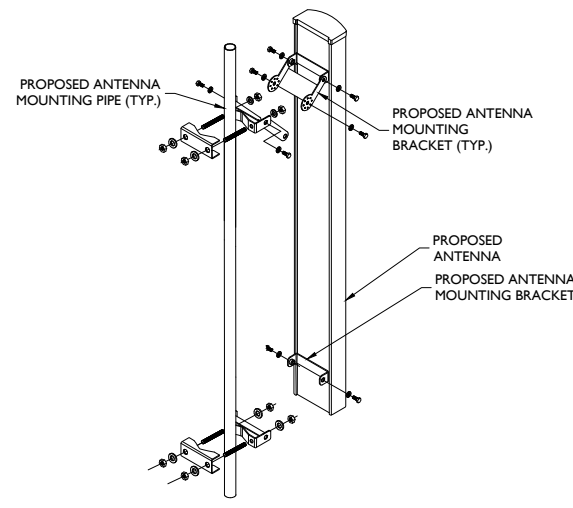
SHEET TITLE:
ANTENNA ORIENTATION PLAN AND DETAILS

SHEET NUMBER:
C-3

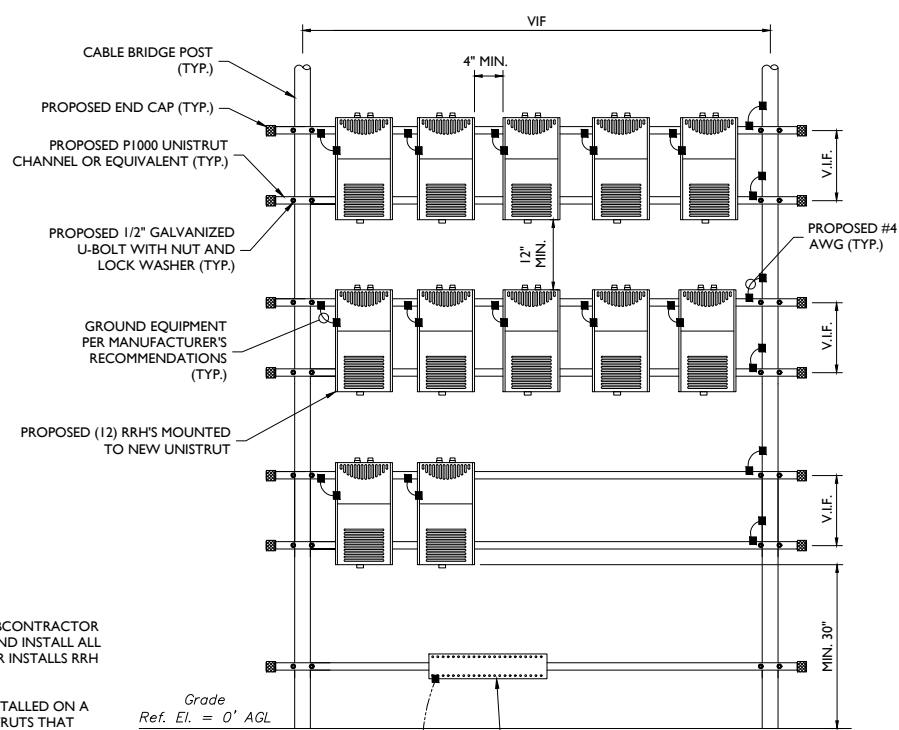
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ANGLE DETAIL
SCALE: 1" = 1'

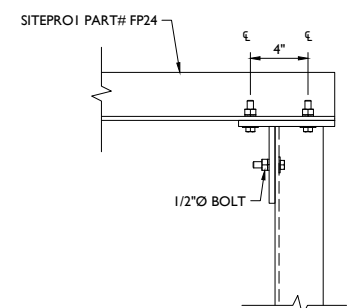


ANTENNA MOUNT
NOT TO SCALE

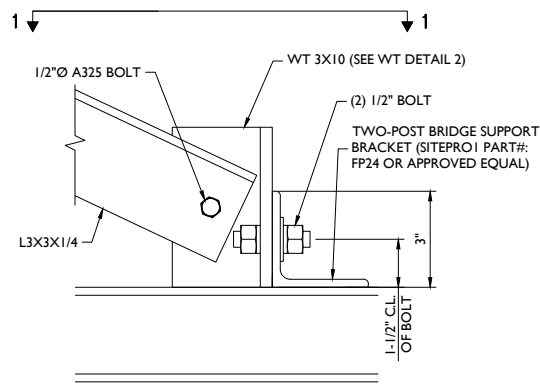


RRH MOUNTING DETAIL
NOT TO SCALE

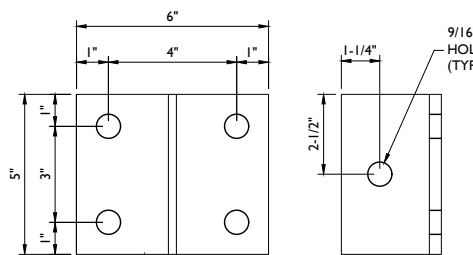
- NOTES:**
- MANUFACTURER SUPPLIES THE RRH. SUBCONTRACTOR SHALL SUPPLY ALL OTHER MATERIALS AND INSTALL ALL MOUNTING HARDWARE. CONTRACTOR INSTALLS RRH AND MAKES CABLE TERMINATIONS.
 - ANY PIECE OF EQUIPMENT SHALL BE INSTALLED ON A MINIMUM OF TWO HORIZONTAL UNISTRUTS THAT ENGAGE A MINIMUM OF TWO VERTICAL PIPE MASTS. INSTALL VERTICAL UNISTRUT CHANNELS AS REQUIRED TO ALIGN FRAME WITH EQUIPMENT MOUNTING HOLES. FASTEN UNISTRUT CHANNELS TOGETHER WITH 3/8" UNISTRUT BOLTING HARDWARE AND SPRING NUTS.
 - EACH MAIN HORIZONTAL UNISTRUT TO BE MOUNTED ON VERTICAL POSTS USING 3/8" U-BOLTS, MINIMUM ONE AT EACH END OF UNISTRUT.
 - MOUNT RRH TO UNISTRUT WITH 3/8" UNISTRUT BOLTING HARDWARE, LOCK WASHERS, AND SPRING NUTS. TYPICAL FOUR PER BRACKET. SUBCONTRACTOR SHALL SUPPLY.
 - NO PAINTING OF THE RRH OR SOLAR SHIELD IS ALLOWED.



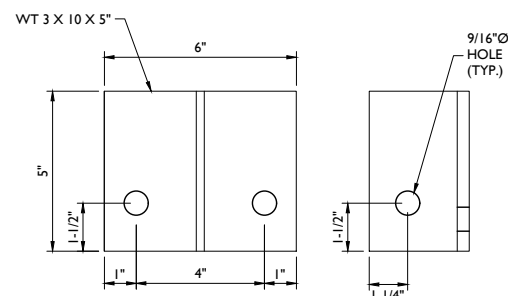
SECTION 1-1 DETAIL
SCALE: 2" = 1'



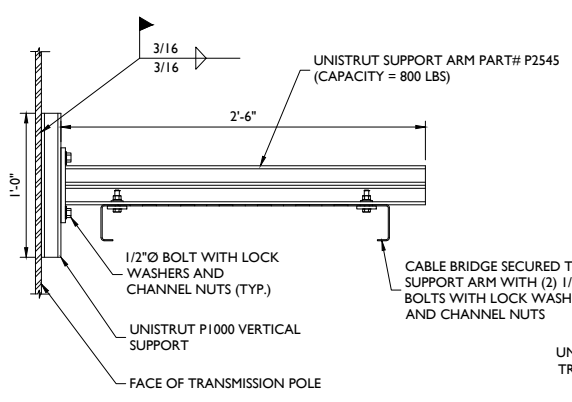
CONNECTION DETAIL
SCALE: 4" = 1'



WT 3X10 DETAIL - 1
SCALE: 4" = 1'

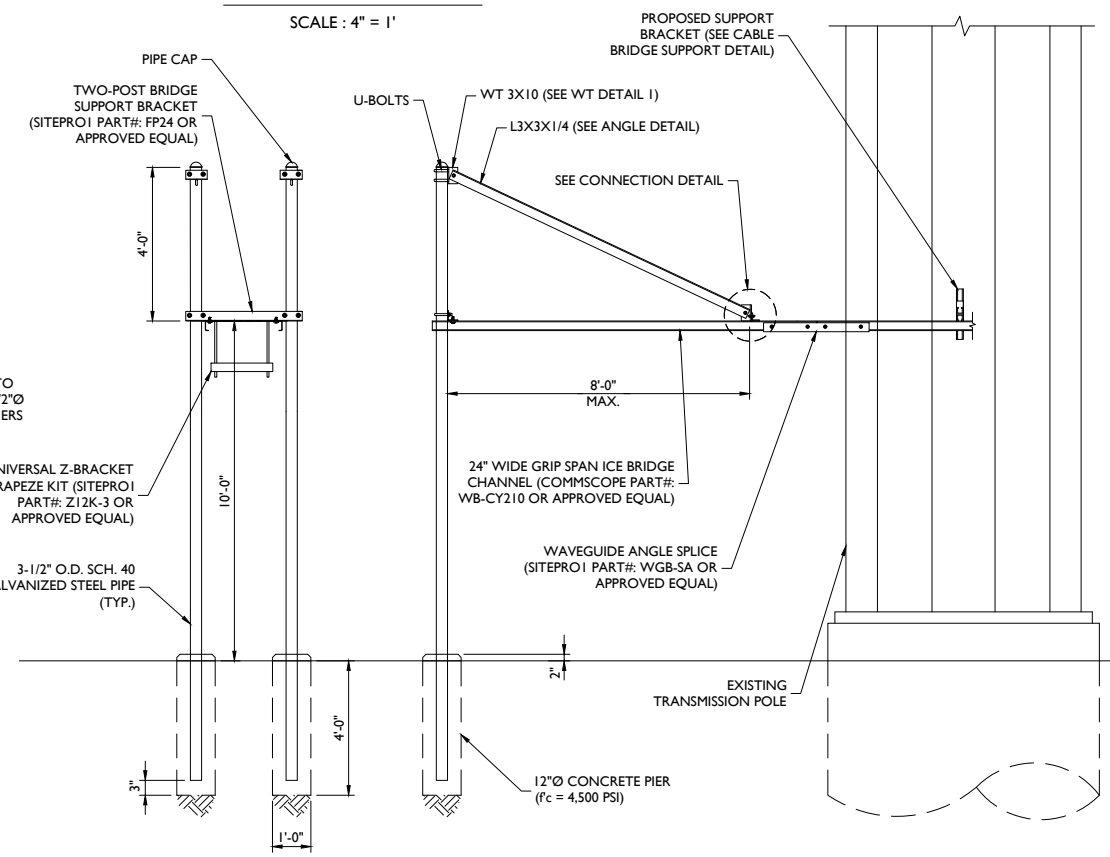


WT 3X10 DETAIL - 2
SCALE: 4" = 1'

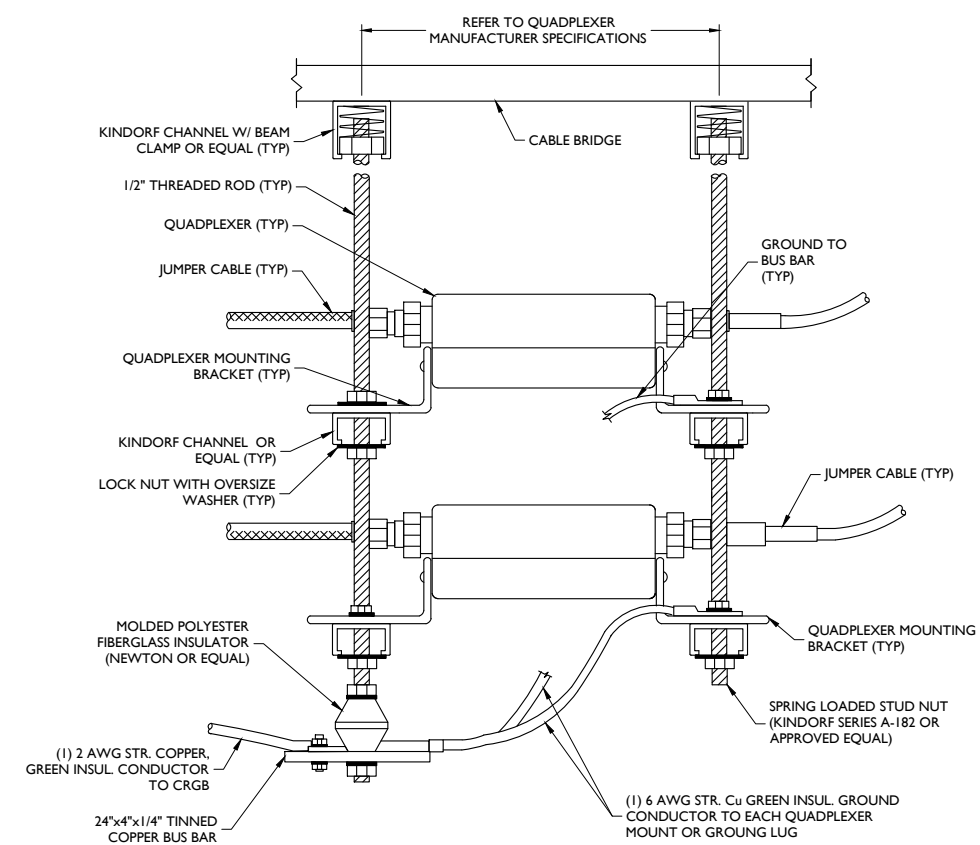


CABLE BRIDGE SUPPORT ASSEMBLY INSTALLED AT TRANSMISSION POLE

NOTE:
NO CABLE TRAY POSTS TO BE PLACED OUTSIDE THE FENCED COMPOUND.



CABLE BRIDGE DETAIL
NOT TO SCALE



QUADPLEXER MOUNTING DETAIL
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NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: 24660449800

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SHEET TITLE:
DETAILS - 1
SHEET NUMBER:
C-4

DESCRIPTION

The Halo MST203T outdoor security floodlight incorporates an adjustable motion sensor, field-selectable CCT, and advanced two-stage optics into a twin head LED design ideal for a wide variety of applications. Features improved adjustability, easy install components, and adaptor plate kit for hassle-free installation. The motion sensor is available with 180° or 270° detection up to 50' range, with adjustable sensitivity and duration from 1-12 minutes. The durable die-cast aluminum housing is available in bronze or white powder coat finish, ensuring years of reliable, maintenance-free operation.

SPECIFICATION FEATURES

- Construction**
- Durable die-cast aluminum housing with UV stable clear lens
 - Powder coated bronze or white finish
 - Optically enhanced reflector improves efficiency and delivered lumens
 - Tool-less head and motion sensor adjustment
 - Wall or rafter mounted to recessed or surface junction boxes.

- Electrical**
- 120VAC, 60Hz
 - Maintenance-free LEDs with 70,000 hours of life
 - Fixture operating temperature of -30°C to 40°C
 - cULus listed for wet locations
 - External supply wiring
 - 75°C minimum
 - Motion sensor detects motion 180° or 270° up to 50 feet
 - Selectable duration to keep floodlights on up to 12 minutes
 - Adjustable sensitivity

- Optics**
- Two-stage optics for maximum coverage
 - Field selectable CCT: 3000K, 4000K and 5000K
- Warranty**
- 5 year limited warranty

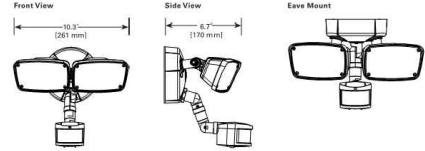
HALO

Catalog #	Type
Project	Date
Comments	
Prepared by	



MST203T
Twin Head
LED Motion
Series

DIMENSIONS



ORDERING INFORMATION

Sample Number: MST203T18B

Application	Heads	Nominal Wattage	Color Temperature	Motion Sensor	Technology	Finish
M = Motion Sensor	T = Twin Head	25 = 20W	3T = Field Selectable CCT	18 = 180° Detection 27 = 270° Detection	Blank = Standard PIR D = 75Hz Microwave (180° only)	B = Bronze W = White

CERTIFICATION DATA

cULus Wet Location Listed

TECHNICAL DATA

30°C to 40°C Temperature Rating
External Supply Wiring 75° Minimum



P5502092EN
4/24/2018

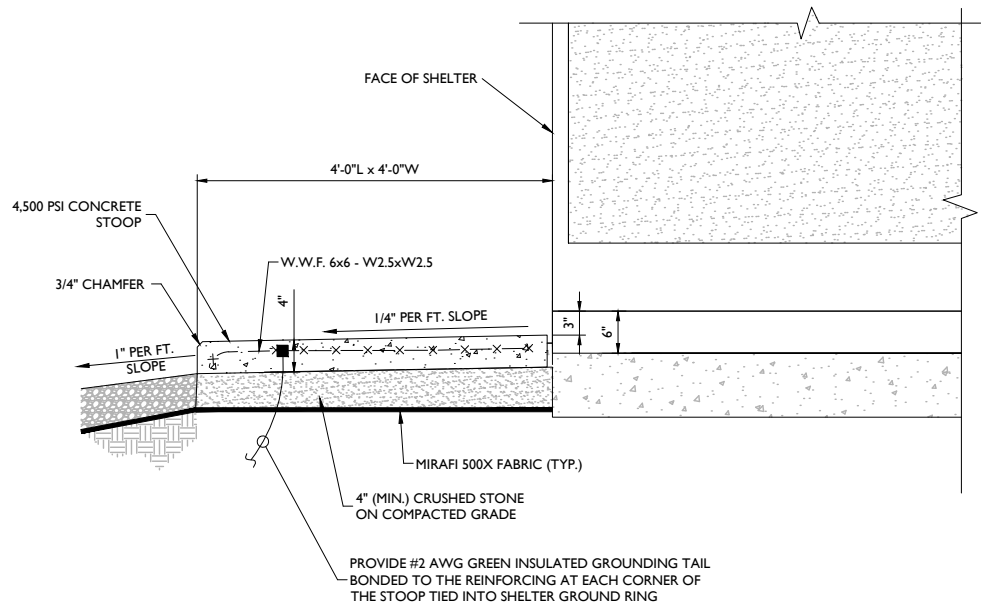


Eaton
1231 Highway 75 South
Piquette, OH 45359
P: 773-488-4800
www.eaton.com/lighting

P5502092EN
4/24/2018

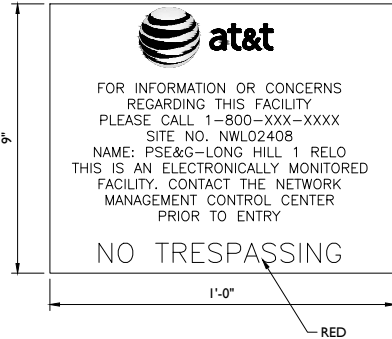
WIC CABINET LED LIGHT DETAIL

NOT TO SCALE



CONCRETE STOOP DETAIL

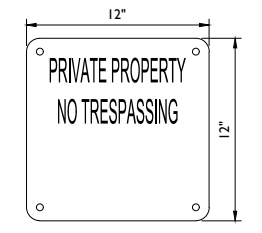
NOT TO SCALE



NOTE:
SIGN TO INCLUDE BLACK LETTERING EXCEPT AS NOTED. ON WHITE BACKGROUND ON METAL CONTACT AT&T PROJECT MANAGER FOR EXACT TELEPHONE EMERGENCY NUMBER.

EMERGENCY SIGN

NOT TO SCALE



NOTES:

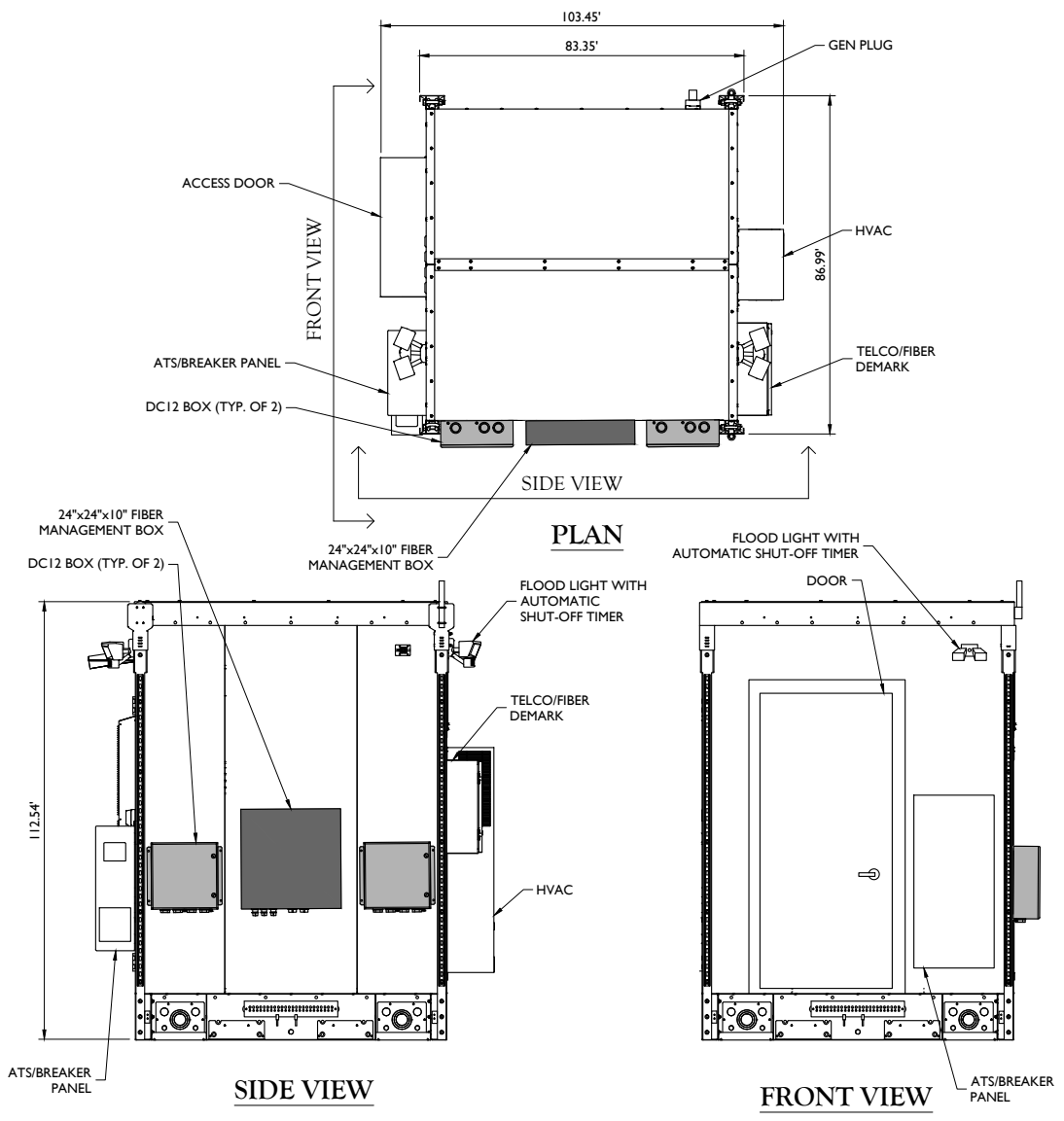
1. SIGN SHALL BE MOUNTED ON EXTERIOR SIDE OF FACILITY FENCE.
2. MOUNTING HEIGHT TO BE 5 FEET TALL ABOVE GROUND TO CENTERLINE OF SIGN.

WARNING SIGN

NOT TO SCALE

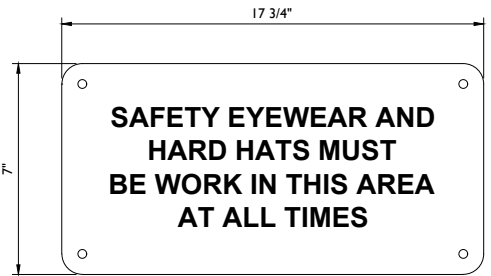
WIC (WALK IN CABINET) DETAIL

NOT TO SCALE



WIC (WALK IN CABINET) DETAIL

NOT TO SCALE



NOTES:

1. SIGN SHALL BE MOUNTED ON EXTERIOR SIDE OF FACILITY FENCE.
2. MOUNTING HEIGHT TO BE 5 FEET ABOVE GROUND TO CENTERLINE OF SIGN.

SAFETY SIGN

NOT TO SCALE



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FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE:	JOB NUMBER:
AS SHOWN	19936010A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	07/08/21	REVISED PER COMMENTS	AMN	ASN
0	06/21/21	ISSUED FOR CONSTRUCTION	AMN	ASN
A	03/16/21	ISSUED FOR REVIEW	AMN	ASN



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PSE&G - LONG HILL 1 RELO
PSE&G STEEL TOWER #12/4-1
ROSELAND-LAMBERTVILLE
RIGHT-OF-WAY
SITE ID: NWL02408
FA#: 14916372
LONG HILL ROAD
LONG HILL TOWNSHIP
MORRIS COUNTY, NJ

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mt. Laurel NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120
email: solutions@maserconsulting.com

SHEET TITLE:
DETAILS - 2

SHEET NUMBER:
C-5

CONCRETE NOTES:

DESIGN INFORMATION:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336A, ASTM A184, ASTM A185 AND THE DESIGN & CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
- THE DESIGN SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE AS SHOWN ON SHEET T-1.

EARTHWORK:

- FOUNDATIONS HAVE BEEN DESIGNED TO BEAR ON (UNDISTURBED RESIDUAL SOILS/COMPACTED STRUCTURAL FILL), CAPABLE OF SAFELY SUPPORTING AN ALLOWABLE BEARING PRESSURE OF 1,500 PSF. IF FOUNDATION CONDITIONS PROVE UNACCEPTABLE AT ELEVATIONS SHOWN, EXCAVATION SHALL BE CARRIED DEEPER AND SHALL BE BACKFILLED WITH LEAN CONCRETE TO PLAN FOOTING BOTTOM, OR REDISIGN OF FOUNDATIONS WILL BE REQUIRED AT THE DIRECTION OF THE ENGINEER.
- DESIGN FURNISH AND INSTALL TEMPORARY SHEETING, SHORING, AND DRAINAGE TO MAINTAIN THE EXCAVATION AND PROTECT SURROUNDING STRUCTURES AND UTILITIES.
- THOROUGHLY COMPACT ALL BOTTOM OF FOOTINGS PRIOR TO PLACING ANY CONCRETE.

CONCRETE:

1. FORMWORK

- CONCRETE CONSTRUCTION SHALL CONFORM TO "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS." (ACI 301-89).
- FORMWORK SHALL CONFORM TO ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"

2. REINFORCEMENT

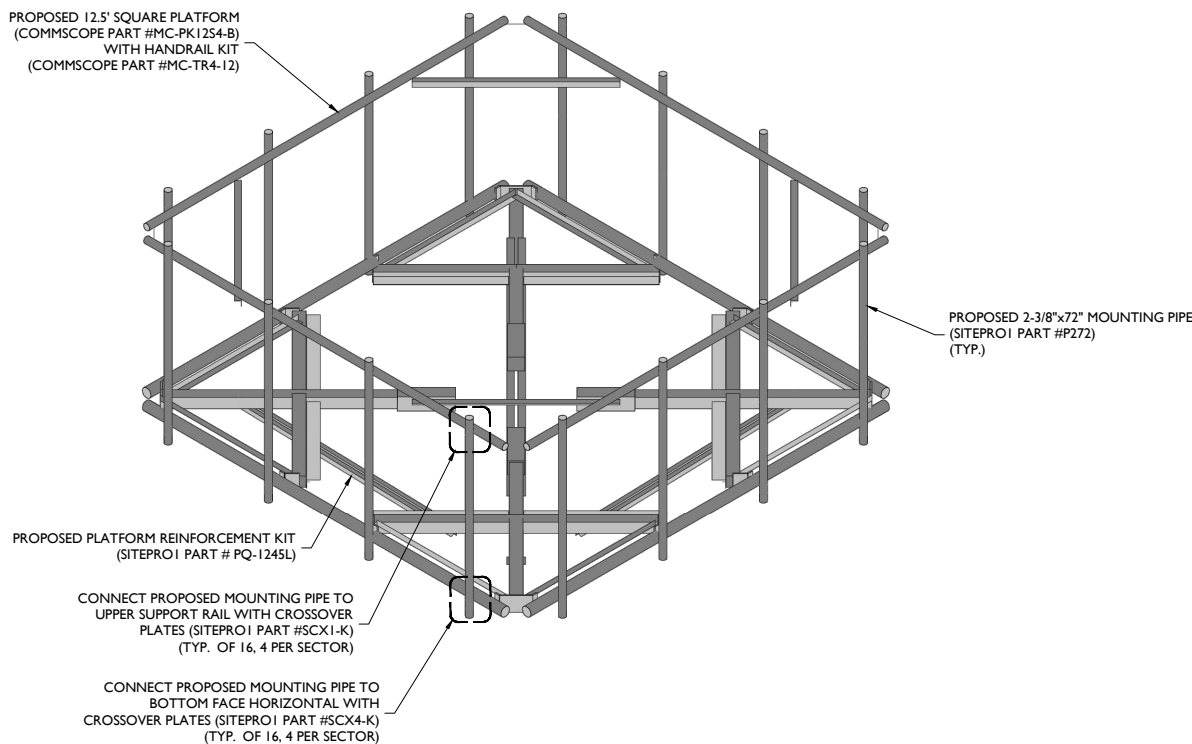
- REINFORCING STEEL ASTM A615, GRADE 60, WELDED WIRE ASTM A185 (FLAT SHEET), LAPS 40 BAR DIAMETERS UNLESS NOTED. BARS SHALL BE SECURELY HELD IN ACCURATE POSITION BY SUITABLE ACCESSORIES, TIE BARS, SUPPORT BARS, ETC. HOOK LENGTHS SHALL BE 12 BAR DIAMETERS.
- CONCRETE COVER FOR REINFORCING BARS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED.

2.b.1. FOOTINGS AND SLABS CAST AGAINST GROUND	3"
2.b.2. CONCRETE TO BE IN CONTACT WITH GROUND OR WEATHER AT BARS GREATER THAN 5"	2"
2.b.3. AT BARS #5 OR LESS	1 1/2"
2.b.4. CONCRETE NOT TO BE EXPOSED TO GROUND OR WEATHER BEAMS, GIRDERS, AND COLUMNS	1 1/2"
2.b.5. SLABS AND WALLS	3/4"

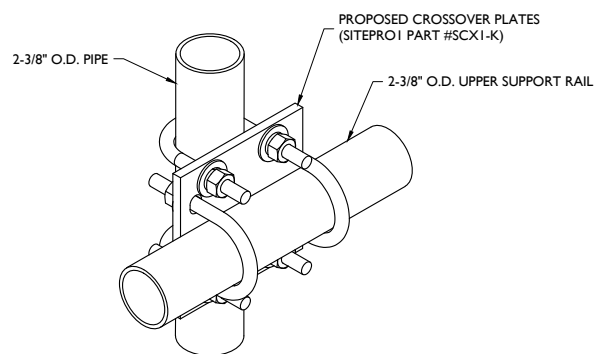
2.c. CAST IN PLACE CONCRETE

- MINIMUM 28 DAY CYLINDER STRENGTH AND MAXIMUM SLUMP, PRIOR TO ADDITION F SUPER PLASTICIZERS, AS FOLLOWS:

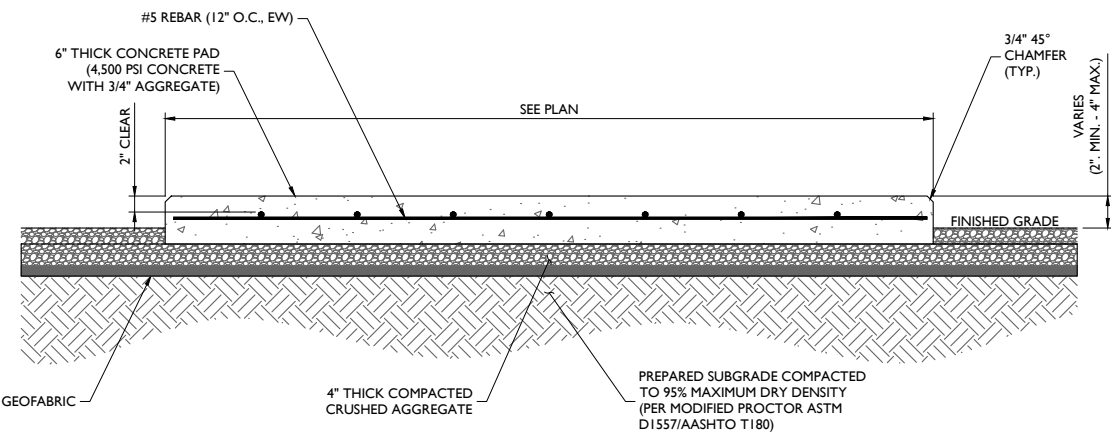
2.c.1.1. CLASS I FOOTINGS	3000 PSI	3"
2.c.1.2. CLASS III INTERIOR ELEVATED SLABS AND WALLS	4500 PSI	4"
2.c.1.3. CLASS V OTHER WORK	4500 PSI	4"
2.c.1.4. CLASS VI LEAN CONCRETE FOR OVEREXCAVATION OF FOUNDATIONS	2000 PSI	N/A
- MIX DESIGN TO BE IN ACCORDANCE WITH ACI 318, CHAPTER 5. NO CALCIUM CHLORIDE ADMIXTURE CONTAINING CHLORIDES SHALL BE USED IN ANY CONCRETE
- COARSE AGGREGATE FOR NORMAL WIEGHT CONCRETE SHALL CONFORM TO ASTM C33 SIZE #57. COARSE AGGREGATE FOR LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C330 GRADED 3/4" TO 1/4".
- COLD WEATHER PLACEMENT SHALL COMPLY WITH ACI 306.1
- HOT WEATHER PLACEMENT SHALL COMPLY WITH ACI 305 R.
- CHAMFER ALL EXPOSED EDGES 3/4"
- THE MAXIMUM TEMPERATURE OF ALL CONCRETE AT DELIVERY TO THE SITE SHALL BE 85°F
- TOTAL DELIVERY TIME SHALL BE LESS THAN 75 MINUTES.



PLATFORM MODIFICATION DETAIL
NOT TO SCALE



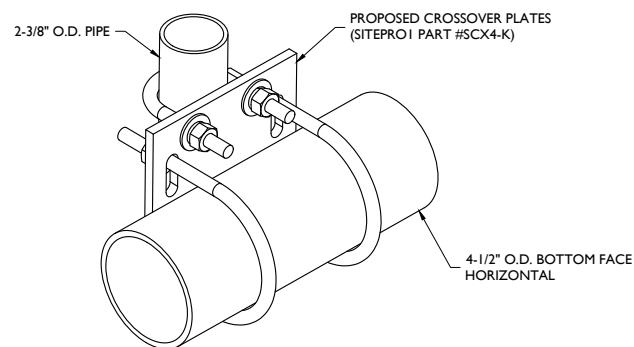
SITEPRO1 SCX1-K
NOT TO SCALE



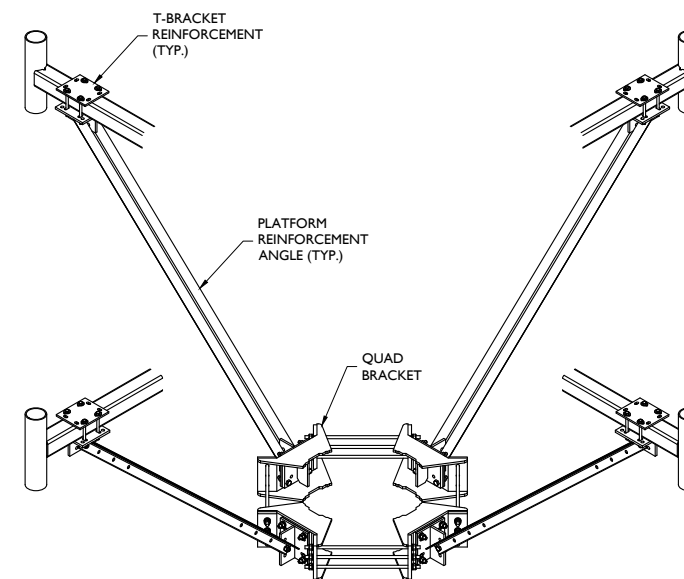
NOTE:
ANCHORS ARE TO BE INSTALLED A MINIMUM OF 4" FROM THE EDGE OF ANY SLAB.

SECTION A-A

CONCRETE PAD FOR WIC CABINET



SITEPRO1 SCX4-K
NOT TO SCALE



SITEPRO1 PQ-1245L
NOT TO SCALE

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Fax: 856.722.1120
email: solutions@maserconsulting.com

SHEET TITLE: **DETAILS - 3**

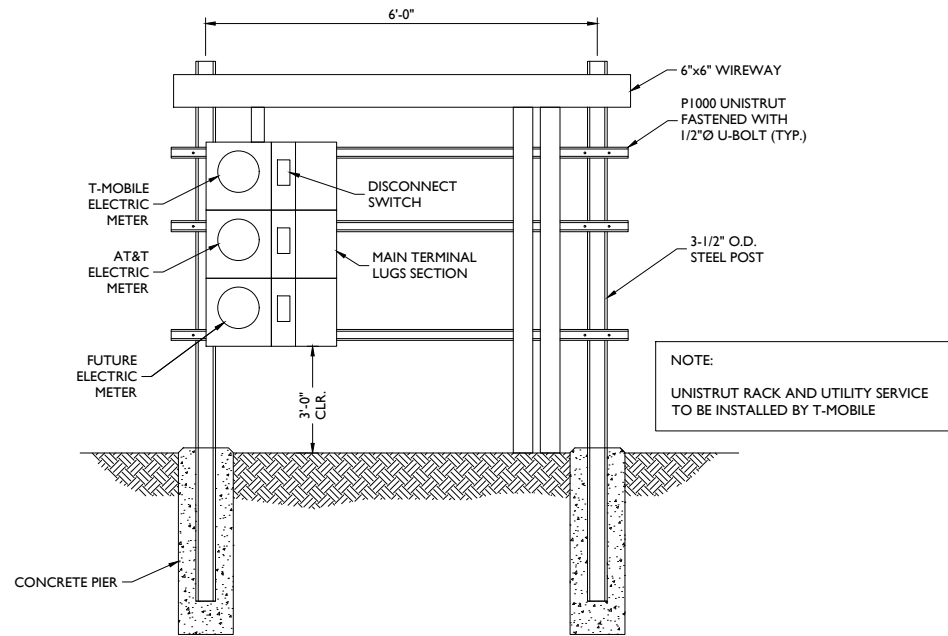
SHEET NUMBER: **C-6**

POWER NOTES:

- METER SOCKET TO BE 200A, SINGLE PHASE, 120/240 VAC, 3 WIRE METER SOCKET.
- PROVIDE BRANCH CIRCUITS FROM NEW POWER TO EQUIPMENT CABINETS AS REQUIRED BY CABINET LOAD DESIGNATIONS, PANEL CIRCUIT BREAKER RATINGS, NEC REQUIREMENTS.
- SEE LAYOUT PLANS ON SHEET E-1 FOR TELCO AND ELECTRIC SERVICE RUNS.
- ELECTRICAL CONTRACTOR SHALL FURNISH METER BANK AND MAIN LUGS SECTION COMPLETE WITH ALL DEVICES INDICATED. METER BANK AND MAIN LUG SECTION SHALL BE SQUARE D TYPE EZ METER PAK METER CENTER OUTDOOR USE. MAIN LUGS SECTION SHALL BE 200A, 120/240VAC, 1-PHASE 3-WIRE NEMA 3R, SQUARE D METER BANK IDENTIFIED 'MA' SHALL BE (2) METER SOCKET, 120/240VAC, 1-PHASE 3-WIRE NEMA 3R, MAX 200A PER SOCKET, WITH (1) 200 AMP MAIN BREAKER, SQUARE D CAT.#EZML332200.
- ELECTRICAL CONTRACTOR SHALL SUBMIT METER BANK AND MAIN LUG SECTION DESIGN LAYOUT TO UTILITY COMPANY WIRING INSPECTOR FOR APPROVAL PRIOR TO PLACING ORDER OF EQUIPMENT AND CONSTRUCTION/INSTALLATION.
- MAIN CIRCUIT BREAKERS AND ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE SUITABLE FOR THE SHORT-CIRCUIT CURRENT AVAILABLE AT ITS SUPPLY TERMINALS. ELECTRICAL CONTRACTOR SHALL CONFIRM AIC RATING WITH UTILITY COMPANY PRIOR TO ORDERING EQUIPMENT.
- PROVIDED WITH EZ METER-PAK METER CENTER AS REQUIRED, SQUARE D CAT.#QE-VH TYPE, 22,000 AMPERES MINIMUM SYMMETRICAL SHORT CIRCUIT INTERRUPTING CURRENT RATING. ELECTRICAL CONTRACTOR SHALL CONFIRM WITH UTILITY COMPANY PRIOR TO ORDERING EQUIPMENT.
- ELECTRICAL CONTRACTOR SHALL FIELD MARK SERVICE EQUIPMENT AS PER NFPA 70, 2014 NEC EDITION, SECTION 110.24
- ELECTRICAL CONNECTOR SHALL CONTACT UTILITY COMPANY ASSIGNED WIRING INSPECTOR FOR ELECTRIC SERVICE INSTALLATION REQUIREMENTS APPROVAL AND ACCEPTANCE OF SPECIFIED SERVICE EQUIPMENT PRIOR TO PURCHASING AND INSTALLATION OF SERVICE EQUIPMENT.
- IF COMBINATION METAL AND PVC CONDUIT RUN IS INSTALLED ELECTRICAL CONNECTOR SHALL BOND METAL CONDUIT AT SERVICE PANEL.

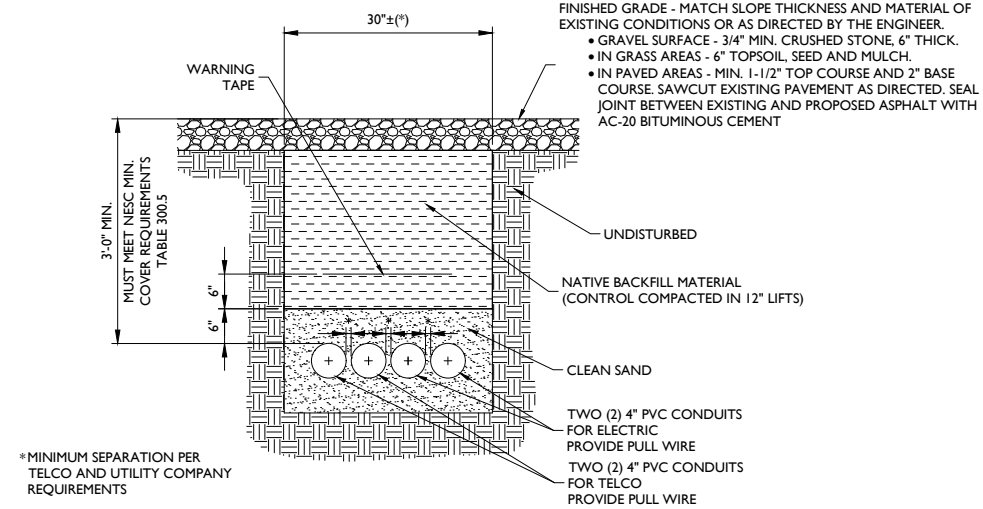
TELEPHONE SYSTEM NOTES:

- TELCO CONDUIT SHALL BE INSTALLED WITH PULL WIRE TO ACCOMMODATE THE FUTURE USE OF FIBER OPTIC CABLE.
- CONDUIT RUNS SHALL BE 4" DIA. SCH 80 PVC WITH MINIMUM 2'-0" RADIUS SWEEPS AND ELBOWS AT BENDS, UNLESS OTHERWISE SHOWN.
- T-1 LINE: (2) 6-PAIR INDIVIDUALLY SHIELDED #22 AWG SOLID CORE TELEPHONE CABLE, INSTALL CABLE WITHOUT SPLICE FROM MESA CABINET TO TELCO PANEL. LEAVE 15'-0" OF SLACK CABLE AT EACH END. LABEL AS "T-1" AT EACH END OF PULL BOXES.
- POTS LINE: (1) 4-PAIR, #24 AWG SOLID CORE TELEPHONE CABLE, INSTALL CABLE WITHOUT SPLICE. LEAVE 15'-0" SLACK CABLE AT EACH END. LABEL AS "POTS" AT EACH END AND AT PULL BOXES.



NOTE:
MOUNT METER BANK AND MAIN LUGS SECTION PER MANUFACTURER'S RECOMMENDATION AND INSTRUCTIONS.

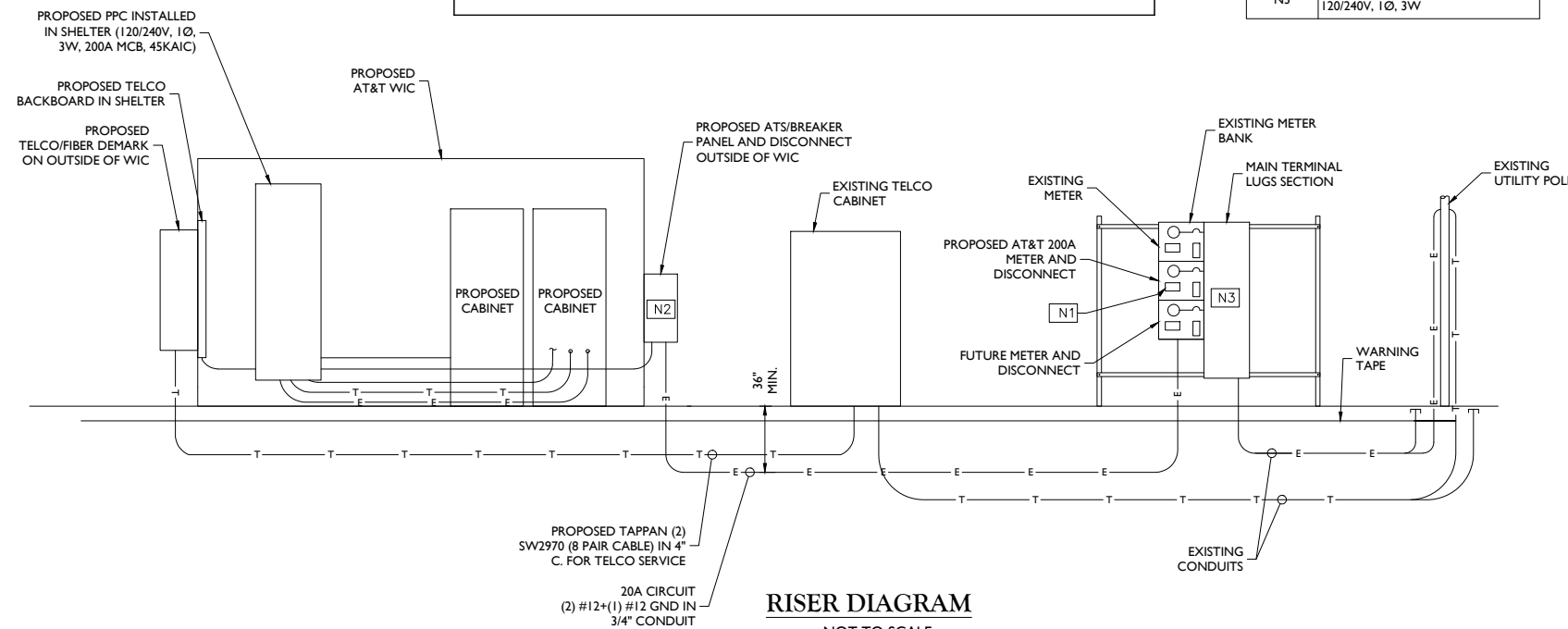
METER RACK
NOT TO SCALE



UNDERGROUND CONDUIT ROUTING
NOT TO SCALE

POWER COMPANY INFORMATION	
NAME OF POWER COMPANY: _____	
POWER COMPANY ORDER NO.:	DATE: _____
LOAD LETTER SENT TO:	DATE: _____
POWER COMPANY INSPECTOR:	DATE: _____
INITIAL SITE VISIT BY:	DATE: _____

NAMEPLATE TABLE	
TAG NO.	DESCRIPTION
N1	AT&T METER
N2	ATS. BREAKER PANEL
N3	SERVICE TERMINAL BOX 200A, 120/240V, 1Ø, 3W



RISER DIAGRAM
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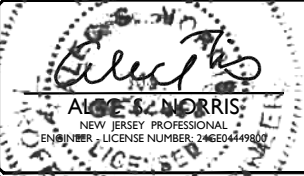
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
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SCALE:	JOB NUMBER:
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Fax: 856.722.1120
email: solutions@maserconsulting.com

SHEET TITLE:
**ELECTRICAL AND TELEPHONE
RISER DIAGRAM AND NOTES**

SHEET NUMBER:
E-2

