

Changes in Equipment: (additions, deletions or modifications) **Include attachments if needed**

NONE

Scope of Work Changes: (additions, deletions or modifications) **Include attachments if needed**

Building improvement as follow:

Electrical Scope of work:

- Provide coordinated cleanup of old telephone lines and back exterior wall with Norcom
- Relocate Smart card to exterior in coordination with Norcom
- Demo Interior electrical and remove all old equipment
- Provide temporary feed of old equipment from meter
- Transport and properly dispose of old Halon system
- Provide 12 position cable port

Mold Remediation Scope of Work:

- Remove drywall from ceiling
- Remove Insulation from ceiling
- Clean underside of subfloor/roof
- Apply antimicrobial to underside of subfloor/roof
- Set up floor protection
- Use of PPE (Tyvek suites, N95 masks and gloves)
- Remove all debris

Cleaning of Rodent Feces Scope of Work:

- Hepa vacume work area after demo
- Clean concrete floor and apply antimicrobial

Carpentry Scope of Work:

-Wall Construction:

- Build an 8' long wall between walls from floor to ceiling
- Wall to be constructed of steel studs and be faced on both sides with 5/8 fire code sheet rock
- Provide and install a 3'x7' steel door with knockdown steel frame, Keyed lock, ball bearing hinges and door sweep

-Rodent Blocking:

- Fill in Joist spaces above wall with 5/8 fire code sheetrock for rodent barrier
- Insulate ceiling with R-23 Rockwool insulation

-Plywood:

- Provide and install ½ Plywood on ceiling and walls inside new equipment area and fur out as necessary

-Interior Finish:

- Provide and install white FRP on ceiling and walls of equipment room
- Glue to plywood and use plastic trims where necessary
- Clean, light sand and paint floor

-Cable Port:

- Frame for and install 12 port cable port

-Exterior:

- Patch exterior holes as discussed with ½ plywood and caulk and pack holes with insulation and paint to match existing building

-Exterior Entry Door:

- Provide new door closer

COST = \$76,597.61

Tower improvement as follow:

ARCHITECTURAL & ENGINEERING SERVICES
Tower Modification drawings by FDH _ Project Number PR-009191 dated 1-27-23
Post Tower Modification Inspection and Report
ANTENNA & TRANSMISSION LINES
Large omni antenna installation
1/2" coaxial transmission line Installation, connectorization & grounding
Perform a Sweep test on all new transmission lines
Hardware (round member/angle adapters, brackets etc.) to mount the transmission line to tower every three feet.
ADDITIONAL ITEMS
Furnish labor to remove and relocate (2)12-foot Omni's & pipe mounts from the 122 ' level to the 130' level
Furnish materials and labor to install a new 10 ' tower top as per the FDH project number PR-009191 tower modification & extension drawings dated 1-27-23 (see attached pages 6 thru 14)

Connecticut Siting Council application required for approval of a 10 foot tower extension

SITE ACQUISITION SERVICES
Provide Expert Witness for zoning
ARCHITECTURAL & ENGINEERING SERVICES
Task 1 - Limited NEPA compliance/FCC checklist for towers constructed prior to March 16, 2001 or towers with previously filed FCC checklists
FAA Filing (Air Space Analysis, FAA 7460-1; FCC ASR Notifications, FAA 7460-2 Part 1; FCC Notification, FAA 7460-2 Part 2; FRN Application; Local Publication

ADDITIONAL ITEMS
Attorney Fees required for filing the Connecticut Siting Council petition
Connecticut Siting Council petition filing Fees
Cumulative MPE analysis of the site for RF safety purposes
Project Administration
<p>Itemize risk elements</p> <ol style="list-style-type: none"> 1. Omissions/Changes in Contractor's Scope of Work 2. Latent conditions, unknown at the time of site walk 3. Permitting/manufacture delays resulting in remobilization of Contractor crews 4. Rejection of site by FAA, NEPA or zoning authorities and rework 5. Abnormal inflation of construction materials or labor 6. Special requirement of local construction codes not captured in the costs
COST = \$92,348.34

Changes in SUA and Support Services: *(additions, deletions or modifications)* Include attachments if needed. Must be completed by Project CSM.

NONE

Schedule Changes: *(describe change or N/A)*

NONE

Pricing Changes: *(describe change or N/A)*

Total change order cost = \$168,945.95

Customer Responsibilities: *(describe change or N/A)*

As stated in the contract

Payment Schedule for this Change Order:
(describe new payment terms applicable to this change order)

Upon completion of this change order

Purchase Order Requirements for this Change Order (select only one).

- A Purchase Order is required - included with this change order and is attached.
- No Purchase Order is required - Customer affirms that this change order document is the only notice to proceed required, that funding has been encumbered for this change order in its entirety, and that no further purchase orders will be issued against this change order,
- No Purchase Order required - this is a \$0 Change Order, or a decrease in scope.

Unless amended above, all other terms and conditions of the Contract shall remain in full force. If there are any inconsistencies between the provisions of this Change Order and the provisions of the Contract, the provisions of this Change Order will prevail.

IN WITNESS WHEREOF the parties have executed this Change Order as of the last date signed below.

Motorola Solutions, Inc.

Customer

By: _____
Printed Name: _____
Title: _____
Date: _____

By: _____
Printed Name: _____
Title: _____
Date: _____

Reviewed by: _____
Motorola Solutions Project Manager

Date: _____

MODIFICATION INSPECTION NOTES:

GENERAL:

1. THE POST CONSTRUCTION INSPECTION (MI) IS A VISUAL INSPECTION OF TOWER MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR).
2. THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, NOR DOES THE MI INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES.
3. ALL MIs SHALL BE CONDUCTED BY A MI INSPECTOR THAT IS APPROVED TO PERFORM ELEVATED WORK FOR FDH INFRASTRUCTURE SERVICES.
4. TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PO IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY. IF CONTACT INFORMATION IS NOT KNOWN, CONTACT YOUR FDH INFRASTRUCTURE SERVICES POINT OF CONTACT (POC).
5. REFER TO STR-SOW-20001 : MODIFICATION INSPECTION CHECKLIST DEFINITIONS FOR FURTHER DETAILS AND REQUIREMENTS.

MI INSPECTOR:

1. THE MI INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI TO, AT A MINIMUM:
 - REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
 - WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
2. THE PCI INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GENERAL CONTRACTOR (GC) INSPECTION AND TEST REPORTS, REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE IN-FIELD INSPECTIONS, AND SUBMITTING THE MI REPORT TO FDH INFRASTRUCTURE SERVICES.

CORRECTION OF FAILING MIs:

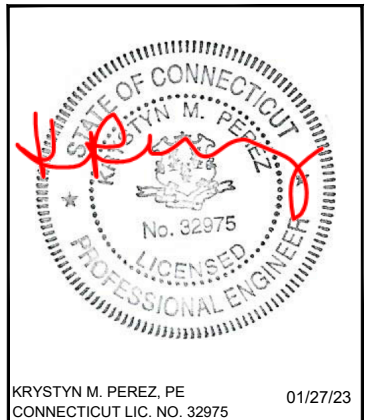
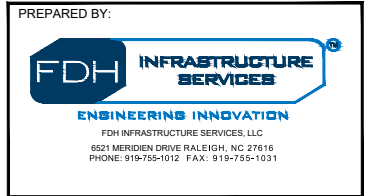
1. IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH FDH INFRASTRUCTURE SERVICES TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:
 - CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.
 - OR, WITH FDH INFRASTRUCTURE SERVICES' APPROVAL, THE GC MAY WORK WITH THE EOR TO RE-ANALYZE THE MODIFICATION/REINFORCEMENT USING THE AS-BUILT CONDITION.

REQUIRED PHOTOS:

1. BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:
 - PRE-CONSTRUCTION GENERAL SITE CONDITION
 - PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
 - RAW MATERIALS
 - PHOTOS OF ALL CRITICAL DETAILS
 - FOUNDATION MODIFICATIONS
 - WELD PREPARATION
 - BOLT INSTALLATION AND TORQUE
 - FINAL INSTALLED CONDITION
 - SURFACE COATING REPAIR
 - POST CONSTRUCTION PHOTOGRAPHS
 - FINAL INFIELD CONDITION
2. PHOTOS OF ELEVATED MODIFICATIONS TAKEN FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

MI CHECKLIST	
INSPECTIONS AND TESTING REQUIRED	REPORT ITEM
PRE-CONSTRUCTION	
X	MI CHECKLIST DRAWING
N/A	EOR APPROVED SHOP DRAWINGS
X	FABRICATION INSPECTION
X	FABRICATOR CERTIFIED WELD INSPECTION
X	MATERIAL TEST REPORT (MTR)
N/A	FABRICATOR NDE INSPECTION
N/A	NDE REPORT OF MONOPOLE BASE PLATE
X	PACKING SLIPS
ADDITIONAL TESTING AND INSPECTIONS:	
CONSTRUCTION	
X	CONSTRUCTION INSPECTIONS
N/A	FOUNDATION INSPECTIONS
N/A	CONCRETE COMPRESSIVE STRENGTH AND SLUMP TESTS
N/A	POST INSTALLED ANCHOR ROD VERIFICATION
N/A	BASE PLATE GROUT VERIFICATION
X	CONTRACTOR'S CERTIFIED WELD INSPECTION
N/A	EARTHWORK: LIFT AND DENSITY
X	ON SITE COLD GALVANIZATIONS
N/A	GUY WIRE TENSION REPORT
X	GC AS BUILT DOCUMENTS
ADDITIONAL TESTING AND INSPECTIONS:	
POST-CONSTRUCTION	
X	MI INSPECTOR REDLINE OR RECORD DRAWING(S)
N/A	POST INSTALLED ANCHOR ROD PULL-OUT TESTING
X	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

NOTE: X DENOTES A DOCUMENT NEEDED FOR THE PMI REPORT
N/A DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE PMI REPORT



DRAWN BY: JBD
CHECKED BY: HAH
ENG APP'VD: KMP

SUBMITTALS		
DATE	DESCRIPTION	REV
01/27/23	CONSTRUCTION	0

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FDH PROJECT NUMBER:
PR-009191

SITE NAME:
WILTON_DEER RUN

SITE NUMBER:
CT98078

SITE ADDRESS:
**160 DEER RUN RD
WILTON, CT 06897**

SHEET TITLE
MODIFICATION INSPECTION
CHECKLIST

SHEET NUMBER
N-1

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND ORDINANCES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL PERMITS NECESSARY TO COMPLETE THE PROJECT AND ABIDE BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS AT THE SITE BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED ON THE CONSTRUCTION DRAWINGS. ANY SUCH DISCREPANCY IN DIMENSION WHICH MAY BE FOUND SHALL BE SUBMITTED TO FDH INFRASTRUCTURE SERVICES FOR CONSIDERATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED AREAS.
- INCORRECTLY FABRICATED, DAMAGED, OTHERWISE MISFITTING, OR NON-CONFORMING MATERIALS AND CONDITIONS SHALL BE REPORTED TO FDH INFRASTRUCTURE SERVICES PRIOR TO ANY REMEDIAL OR CORRECTIVE ACTION. ALL ACTIONS SHALL REQUIRE FDH INFRASTRUCTURE SERVICES APPROVAL.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AFTER THE COMPLETION OF THE PROJECT.
- CONTRACTOR SHALL PROMPTLY REMOVE ANY & ALL DEBRIS FROM SITE AND RESTORE AS BEST AS POSSIBLE TO PRECONSTRUCTION CONDITION.
- ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH THE ANSI/TIA-322 (LATEST EDITION).
- THE CLIMBING FACILITIES, SAFETY CLIMB AND ALL PARTS THEREOF SHALL NOT BE IMPEDED, MODIFIED OR ALTERED WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE ENGINEER OF RECORD.
- ANY WORK PERFORMED WITHOUT A PREFABRICATION MAPPING IS DONE AT THE RISK OF THE GC AND/OR FABRICATOR.

CONTRACTOR QUALIFICATION NOTES:

- ALL INSTALLATIONS SHALL BE PERFORMED BY A TOWER CONTRACTOR WITH A MINIMUM 5 YEARS EXPERIENCE IN TOWER ERECTION AND RETROFIT AND WITH WORKING KNOWLEDGE OF THE ANSI/TIA-222-H "STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS AND SMALL WIND TURBINE SUPPORT STRUCTURES".
- CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS. SHOULD THE CONTRACTOR REQUIRE DIRECT CONSULTATION, FDH INFRASTRUCTURE SERVICES IS WILLING TO OFFER SERVICES BASED UPON AN AGREED FEE FOR THE WORK REQUIRED.
- ALL SUBMITTAL INFORMATION MUST BE SENT TO FDH INFRASTRUCTURE SERVICES AT 6521 MERIDIEN DRIVE, RALEIGH, NC 27616, TEL. (919) 755-1012, FAX. (919) 755-1031, E-MAIL STRUCTURAL@FDH-IS.COM. ANY VARIATION OF THESE SPECIFICATIONS OR DRAWINGS WITHOUT CONSENT FROM FDH INFRASTRUCTURE SERVICES WILL VOID ANY RESPONSIBILITY OR LIABILITY FOR DAMAGE (MATERIAL OR PHYSICAL) TOWARDS FDH INFRASTRUCTURE SERVICES.
- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE ANSI/ASSE A10.48 AND ANSI/TIA-322 STANDARDS.

JOB SITE SAFETY & NOTES:

- NEITHER THE PROFESSIONAL ACTIVITIES OF FDH INFRASTRUCTURE SERVICES NOR THE PRESENCE OF FDH INFRASTRUCTURE SERVICES OR EMPLOYEES AND SUB-CONSULTANTS AT THE CONSTRUCTION SITE, SHALL RELIEVE THE GENERAL CONTRACTOR AND OR SUBCONTRACTORS AND ANY OTHER ENTITY OF THEIR OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE GENERAL CONTRACTOR AND OR SUBCONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SAFETY, AND WARRANTS THAT THIS INTENT IS EVIDENT BY ACCEPTING THIS WORK.

STEEL:

- ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC CODE AND ASTM SPECIFICATIONS.
- ALL CONNECTIONS OF STRUCTURAL STEEL MEMBERS SHALL BE MADE USING SPECIFIED WELDS WITH WELDING ELECTRODES NOTED IN THE STEEL GRADE SCHEDULE OR SPECIFIED HIGH STRENGTH BOLTS TO BE ASTM A325N, THREAD INCLUDED WITH SHEAR PLANE (UNLESS NOTED OTHERWISE).
- ALL BOLTED CONNECTIONS TO BE INSTALLED TO A SNUG-TIGHTENED CONDITION IN ACCORDANCE WITH AISC 13 PART 16.2, "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", SECTION 8.1, UNLESS OTHERWISE SPECIFIED. WHEN "X" TYPE BOLTS ARE USED, CONTRACTOR MAY BE REQUIRED TO STACK ADDITIONAL WASHERS TO OBTAIN PROPER SNUG TIGHT INSTALLATION. ALL NUTS SHALL BE HEAVY HEX UNLESS NOTED OTHERWISE.
- ALL STEEL, AFTER FABRICATION, SHALL BE HOT DIPPED GALVANIZED PER ASTM A-123, UNLESS NOTED OTHERWISE. ALL DAMAGED SURFACES, WELDED AREAS AND AUTHORIZED NON-GALVANIZED MEMBERS OR PARTS (EXISTING OR NEW) SHALL BE PAINTED WITH MULTIPLE COATS OF ZRC COLD GALVANIZING COMPOUND ACHIEVING A MINIMUM OF 4 MILS DRY FILM PER ASTM A 780.
- A490 OR 354-GR. BD BOLTS SHALL NOT BE HOT DIPPED GALVANIZED, MECHANICALLY OR ELECTROPLATED.
- ALL A490 OR 354-GR. BD BOLTS SHALL BE COATED WITH A ZINC/ALUMINUM COATING (MAGNI 565 OR APPROVED EQUAL) PER ASTM F2833, BY THE BOLT MANUFACTURER.
- CONTRACTOR TO PROVIDE FULL DOCUMENTATION ON A490 OR 354-GR. BOLTS PRIOR TO INSTALLATION.
- ALL SHOP AND FIELD WELDING SHALL BE DONE BY WELDERS QUALIFIED AS DESCRIBED IN THE "AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE" TO PERFORM THE TYPE OF WORK REQUIRED. CONTRACTOR IS REQUIRED TO PROVIDE FDH INFRASTRUCTURE SERVICES WITH A PASSING CERTIFIED WELDING INSPECTION FOR ALL WELDS.
- STRUCTURAL STEEL MAY NOT BE TORCH CUT FOR FABRICATION. ALL STEEL FABRICATION MUST FOLLOW AISC STANDARDS.

MISC. NOTES:

- ALL MODIFICATIONS ARE ASSUMED TO BE MADE ON AN EMPTY TOWER. CONTRACTOR IS RESPONSIBLE TO MAKE PROVISIONS TO SUPPORT OR WORK AROUND EXISTING ANTENNAS AND TRANSMISSION LINES. MODIFICATIONS MUST BE CONTINUOUS THROUGH ALL AREAS SHOWN.
- CONTRACTOR FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

FABRICATION NOTES:

- ALL DIMENSIONS ARE PRELIMINARY UNTIL FIELD VERIFIED BY CONTRACTOR. ANY CHANGES MUST BE APPROVED BY ENGINEER OF RECORD IN WRITING PRIOR TO FABRICATION AND INSTALLATION.
- NEW STEEL MEMBERS MUST HAVE SINGLE DRILLED HOLES. SLOTTED AND DOUBLE DRILLED HOLES ARE NOT ACCEPTABLE MEANS OF FABRICATION.

SUBSTITUTES AND/OR EQUALS:

- IF CONTRACTOR WISHES TO FURNISH OR USE A SUBSTITUTE ITEM OF MATERIAL OR EQUIPMENT, CONTRACTOR SHALL FIRST MAKE WRITTEN APPLICATION TO ENGINEER OF RECORD FOR ACCEPTANCE THEREOF, CERTIFYING THAT THE PROPOSED SUBSTITUTE WILL PERFORM ADEQUATELY THE FUNCTIONS AND ACHIEVE THE RESULTS CALLED FOR BY THE GENERAL DESIGN, BE SIMILAR IN SUBSTANCE TO THAT SPECIFIED AND SUITED TO THE SAME USE AS THAT SPECIFIED. ALL VARIATIONS OF THE PROPOSED SUBSTITUTE FROM THAT SPECIFIED WILL BE IDENTIFIED IN THE APPLICATION AND AVAILABLE MAINTENANCE, REPAIR AND REPLACEMENT SERVICE WILL BE INDICATED. THE APPLICATION WILL ALSO CONTAIN AN ITEMIZED ESTIMATE OF ALL COSTS OR CREDITS THAT WILL RESULT DIRECTLY OR INDIRECTLY FROM ACCEPTANCE OF SUCH SUBSTITUTE INCLUDING COSTS OF REDESIGN AND CLAIMS OF OTHER CONTRACTORS AFFECTED BY THE RESULTING CHANGE, ALL OF WHICH WILL BE CONSIDERED BY ENGINEER OF RECORD IN EVALUATION OF THE PROPOSED SUBSTITUTE. ENGINEER OF RECORD MAY REQUIRE CONTRACTOR TO FURNISH ADDITIONAL DATA ABOUT THE PROPOSED SUBSTITUTE.

COLD GALVANIZATION/SURFACE PREPARATION NOTES:

- CONTRACTOR TO USE ZINGA OR ZRC COLD GALVANIZATION COMPOUNDS OR APPROVED EQUIVALENT.
- PREPARE RUSTED/CORRODED SURFACE FOR TREATMENT ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR TO APPLY (2) COATS OF COLD GALVANIZATION COMPOUND PER MANUFACTURER'S RECOMMENDATION. DRYING AND CURING TIMES MUST BE UTILIZED PER MANUFACTURER'S RECOMMENDATION.
- APPLY ALL COATINGS BY BRUSH IN CALM WIND CONDITIONS. THE USE OF AEROSOL IS NOT PERMITTED.
- IF THE TOWER IS PAINTED, BRUSH PAINT ALL TREATED AREAS TO MATCH TOWER AFTER COLD GALVANIZATION COMPOUND IS ALLOWED TO CURE.

SURFACE PREPARATION:

- PREPARE SURFACE TO BE WELDED BY REMOVING PAINT OR GALVANIZATION TO BARE METAL USING POWER WIRE BRUSHING IN ACCORDANCE WITH SSPC-SP11, (STEEL STRUCTURES PAINTING COUNCIL). FOLLOWING POWER WIRE BRUSHING CONTRACTOR SHALL POLISH METAL SURFACE WITH HIGH SPEED GRINDER WITH 400+ GRIT SANDPAPER.
- AFTER NEW STEEL INSTALLATION CONTRACTOR TO BRUSH PAINT (2) COATS OF ZRC OR ZINGA COLD GALVANIZATION COMPOUND PER MANUFACTURER'S SPECIFICATIONS.

WELDING NOTES:

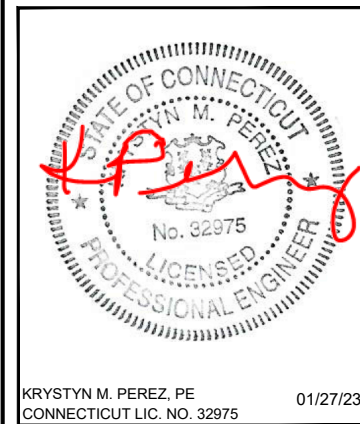
- ALL WELDING TO THE EXISTING TOWER SHALL BE PERFORMED BY CERTIFIED WELDERS UTILIZING PROCEDURES QUALIFIED IN ACCORDANCE WITH AWS D1.1 AND AWS C5.4.
- CONTRACTOR SHALL COMPLY WITH AWS D1.1 FOR PROCEDURES, APPEARANCE AND QUALITY OF WELDS AND FOR METHODS USED IN CORRECTING WELDING. ALL WELDERS AND WELDING PROCESSES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS "STANDARD QUALIFICATION PROCEDURES". CONTRACTOR SHALL SUBMIT CERTIFICATION OF WELDERS TO THE ENGINEER PRIOR TO COMMENCEMENT OF THE WORK.
- CONTRACTOR RESPONSIBLE FOR TEMPORARY HEAT SHIELDING AS REQUIRED DURING WELDING.
- CONTRACTOR RESPONSIBLE FOR VIEWING EXISTING TOWER FOR LOOSE AND FLAMMABLE MATERIAL PRIOR TO WELDING FLAT PLATE.
- ALL WELDS TO BE VISUALLY INSPECTED BY A CERTIFIED WELD INSPECTOR PER AWS D1.1.

STEEL GRADE SCHEDULE				
SCOPE	SHAPE	GRADE	YIELD STRENGTH (F _y)	ULTIMATE STRENGTH (F _u)
ALL	ANGLE	A572-50	50 KSI	65 KSI
ALL	SOLID ROD	A572-50	50 KSI	65 KSI
FLANGE PLATE	PLATE	A572-50	50 KSI	65 KSI
ALL	WELD ELECTRODE	E-70XX	-	70 KSI

PREPARED BY:



PREPARED FOR:



KRYSTYN M. PEREZ, PE 01/27/23
CONNECTICUT LIC. NO. 32975

DRAWN BY: JBD
CHECKED BY: HAH
ENG APP'VD: KMP

SUBMITTALS		
DATE	DESCRIPTION	REV
01/27/23	CONSTRUCTION	0

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FDH PROJECT NUMBER:

PR-009191

SITE NAME:

WILTON_DEER RUN

SITE NUMBER:

CT98078

SITE ADDRESS:

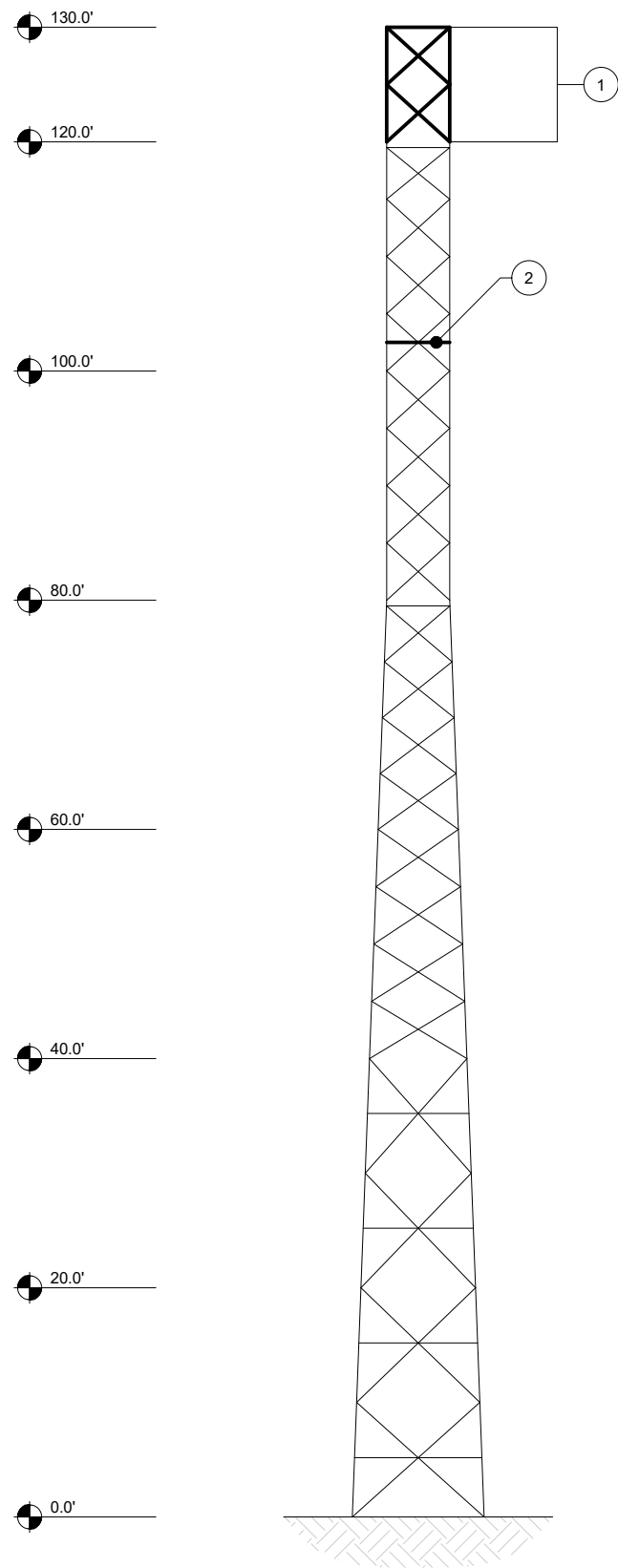
**160 DEER RUN RD
WILTON, CT 06897**

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

N-2



TOWER ELEVATION
SCALE: NTS

TOWER MODIFICATION SCHEDULE				
NO.	TYPE OF MODIFICATION	BTM. ELEV.	TOP ELEV.	SHEET
1	INSTALLATION OF NEW TOWER EXTENSION	120.0'±	130.0'±	S-5 TO S-6
2	INSTALLATION OF NEW SUBHORIZONTALS	-	102.5'±	S-2 TO S-4

- APPURTENANCES MAY INTERFERE WITH PROPOSED MODIFICATIONS.
- ALL MODIFICATIONS TO BE INSTALLED CONTINUOUSLY THROUGH EXISTING EQUIPMENT. ALL EXISTING EQUIPMENT NOT TO BE DAMAGED OR TAKEN OFF AIR DURING INSTALLATION.
- ANTENNA & COAX GRAPHICS NOT SHOWN FOR CLARITY. SEE STRUCTURAL ANALYSIS REPORT FOR EXISTING ANTENNA LOADING & COAX CONFIGURATION.
- PRIOR TO FABRICATION AND INSTALLATION, CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND QUANTITIES GIVEN. LENGTHS AND QUANTITIES PROVIDED ARE FOR QUOTING PURPOSES ONLY, AND SHALL NOT BE USED FOR FABRICATION.

PREPARED BY:

FDH INFRASTRUCTURE SERVICES
ENGINEERING INNOVATION
FDH INFRASTRUCTURE SERVICES, LLC
6521 MERIDIAN DRIVE RALEIGH, NC 27616
PHONE: 919-755-1012 FAX: 919-755-1031

PREPARED FOR:

PYRAMID
Network Services, LLC

KRISTYN M. PEREZ, PE
CONNECTICUT LIC. NO. 32975
01/27/23

DRAWN BY: JBD
CHECKED BY: HAH
ENG APP'V'D: KMP

SUBMITTALS		
DATE	DESCRIPTION	REV
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FDH PROJECT NUMBER:
PR-009191

SITE NAME:
WILTON_DEER RUN

SITE NUMBER:
CT98078

SITE ADDRESS:
**160 DEER RUN RD
WILTON, CT 06897**


SHEET TITLE
MODIFICATION SCHEDULE

SHEET NUMBER
S-1

SUBHORIZONTAL INSTALLATION SCHEDULE							
SUBHORIZONTAL BRACE ELEV.	FACE WIDTH ¹	V-BRACKET ASSEMBLY (VB-#)	SUBHORIZONTAL (SH-#)	STITCH PLATE (SP-#)	BOLT SIZE ²	STITCH BOLT SIZE ²	BOLT GRADE
102.5±	5' - 6"	(3) VB-1	(6) SH-1	(3) SP-1	(18) 5/8"Ø	(3) 1/2"Ø	A325N

1. FACE WIDTH MEASURED FROM CENTER OF LEG TO CENTER OF LEG. FIELD VERIFY FACE WIDTH PRIOR TO FABRICATION. CONFIRM WITH ENGINEER OF RECORD.
2. ALL BOLTS SHALL INCLUDE NUTS AND LOCK WASHERS.

PREPARED BY:

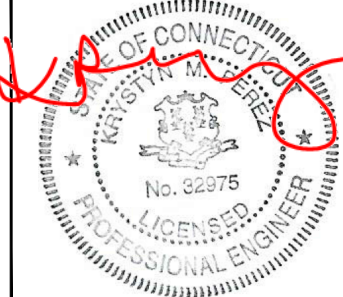


FDH INFRASTRUCTURE SERVICES
ENGINEERING INNOVATION
FDH INFRASTRUCTURE SERVICES, LLC
6521 MERIDIAN DRIVE RALEIGH, NC 27616
PHONE: 919-755-1012 FAX: 919-755-1031

PREPARED FOR:



PYRAMID
Network Services, LLC



KRYSTYN M. PEREZ, PE
CONNECTICUT LIC. NO. 32975
01/27/23

DRAWN BY: JBD
CHECKED BY: HAH
ENG APP'VD: KMP

SUBMITTALS		
DATE	DESCRIPTION	REV
01/27/23	CONSTRUCTION	0

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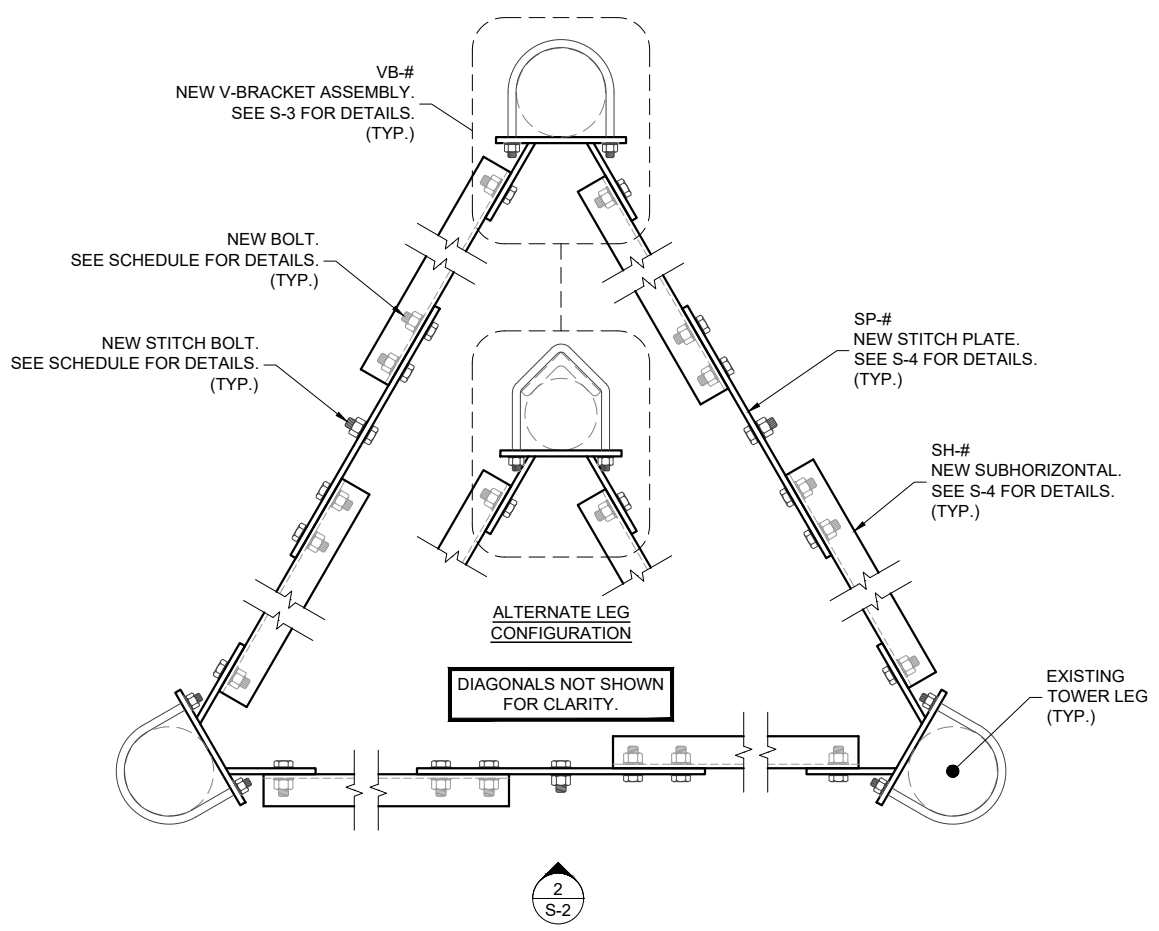
SITE NAME:
WILTON_DEER RUN

SITE NUMBER:
CT98078

SITE ADDRESS:
**160 DEER RUN RD
WILTON, CT 06897**

SHEET TITLE
SUBHORIZONTAL
INSTALLATION
DETAILS

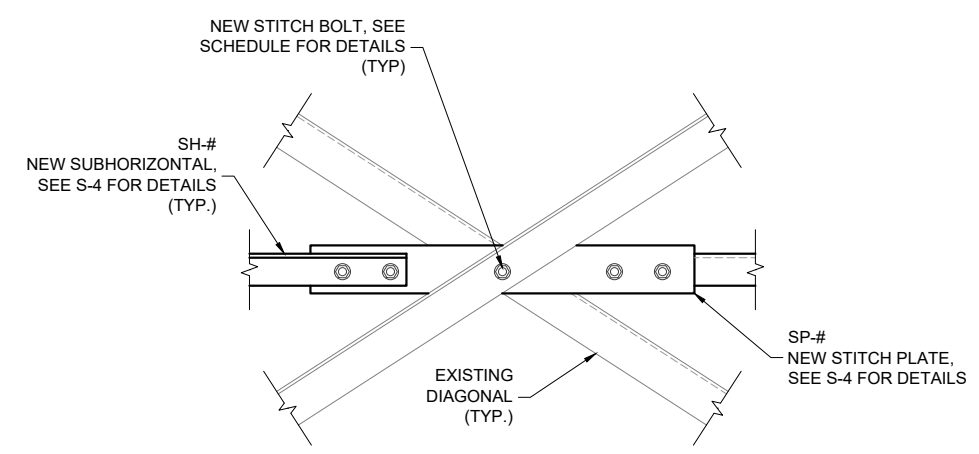
SHEET NUMBER
S-2



SUBHORIZONTAL LAYOUT
PLAN VIEW

1
S-2

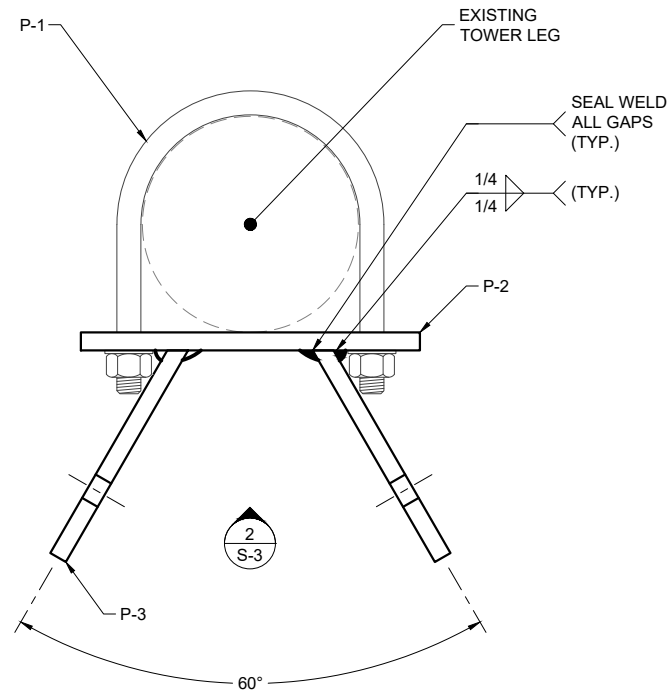
DETAIL
SCALE: NTS



STITCH PLATE INSTALLATION
ELEVATION VIEW

2
S-2

DETAIL
SCALE: NTS

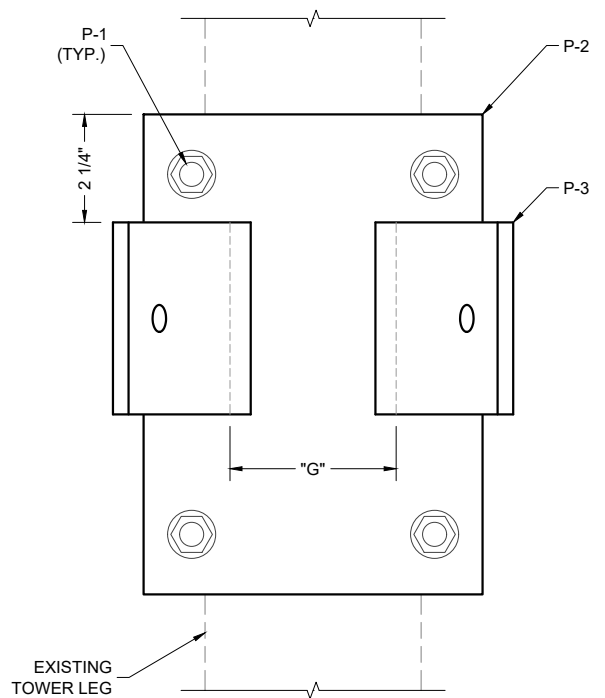


V-BRACKET ASSEMBLY
PLAN VIEW

1
S-3
DETAIL
SCALE: NTS

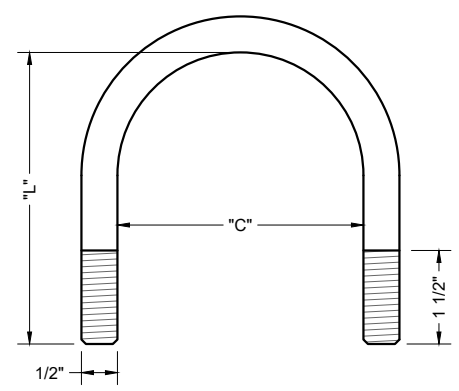
V-BRACKET FABRICATION SCHEDULE						
PART NO.	QTY. ¹	U-BOLT (P-1) DIMENSIONS ²		BACKING PLATE (P-2) DIMENSIONS		GUSSET SPACING "G"
		LENGTH "L"	INSIDE WIDTH "C"	WIDTH "W"	HORIZ. HOLE SPACING "S _H "	
VB-1	3	3 1/2"	1 7/8"	5"	2 3/8"	2 1/16"

- EACH ASSEMBLY TO CONSIST OF (2) U-BOLTS, (1) BACKING PLATE, AND (2) GUSSET PLATES, U.N.O.
- U-BOLTS SHALL INCLUDE NUTS AND LOCK WASHERS.



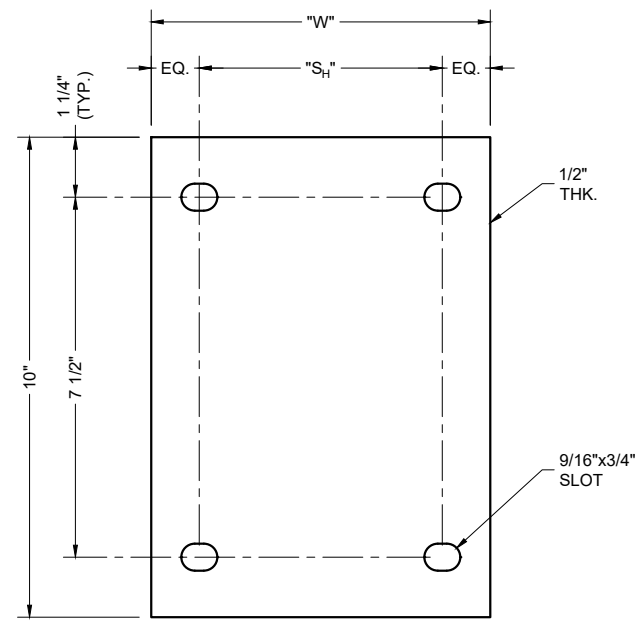
V-BRACKET ASSEMBLY
ELEVATION VIEW

2
S-3
DETAIL
SCALE: NTS



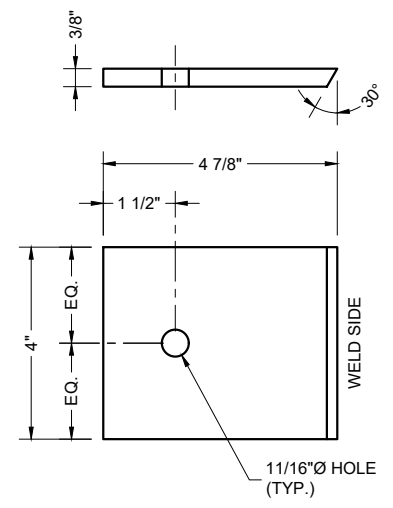
V-BRACKET U-BOLT
ELEVATION VIEW

P-1
S-3
DETAIL
SCALE: NTS



V-BRACKET BACKING PLATE
ELEVATION VIEW

P-2
S-3
DETAIL
SCALE: NTS



V-BRACKET GUSSET PLATE
ELEVATION VIEW

P-3
S-3
DETAIL
SCALE: NTS

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PREPARED FOR:

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Network Services, LLC

KRISTYNN M. PEREZ, PE
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01/27/23

DRAWN BY: JBD
CHECKED BY: HAH
ENG APP'VD: KMP

SUBMITTALS		
DATE	DESCRIPTION	REV
01/27/23	CONSTRUCTION	0

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PR-009191

SITE NAME:
WILTON_DEER RUN

SITE NUMBER:
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SITE ADDRESS:
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WILTON, CT 06897**

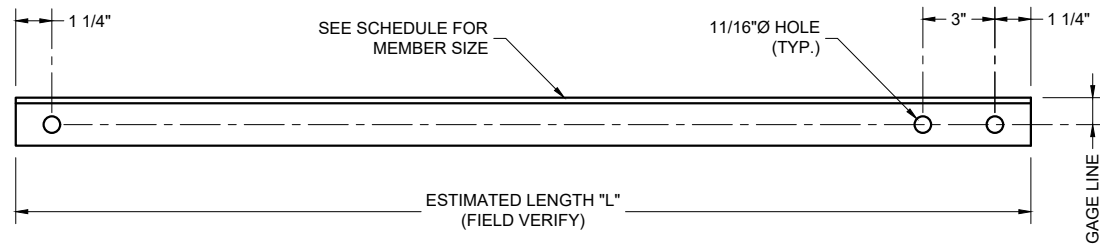
SHEET TITLE
V-BRACKET
FABRICATION
DETAILS

SHEET NUMBER
S-3

SUBHORIZONTAL FABRICATION SCHEDULE				
PART NO.	QTY.	SUBHORIZONTAL SIZE	ESTIMATED LENGTH "L" ¹	GAGE LINE ²
SH-1	6	L2x2x1/4	2' - 8"	1 1/8"

- ESTIMATED VALUES INCLUDE ADDITIONAL LENGTH TO ALLOW FOR PROPER FIT-UP. CONTRACTOR TO FIELD VERIFY ACTUAL LENGTH PRIOR TO FABRICATION.
- DISTANCE FROM HEEL OF ANGLE TO CENTER OF BOLT HOLE.

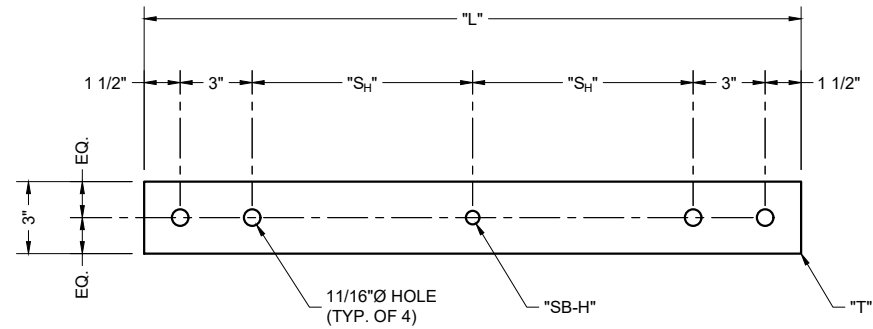
STITCH PLATE FABRICATION SCHEDULE					
PART NO.	QTY.	LENGTH "L"	PLATE THICKNESS "T"	HORIZ. HOLE SPACING "S _H "	STITCH BOLT HOLE DIAMETER "SB-H"
SP-1	3	23"	3/8"	7"	9/16"



SUBHORIZONTAL (SH-#)
ELEVATION VIEW

1
S-4

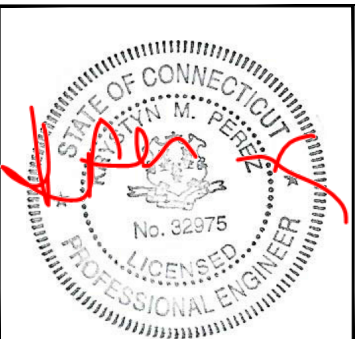
DETAIL
SCALE: NTS



STITCH PLATE (SP-#)
ELEVATION VIEW

2
S-4

DETAIL
SCALE: NTS



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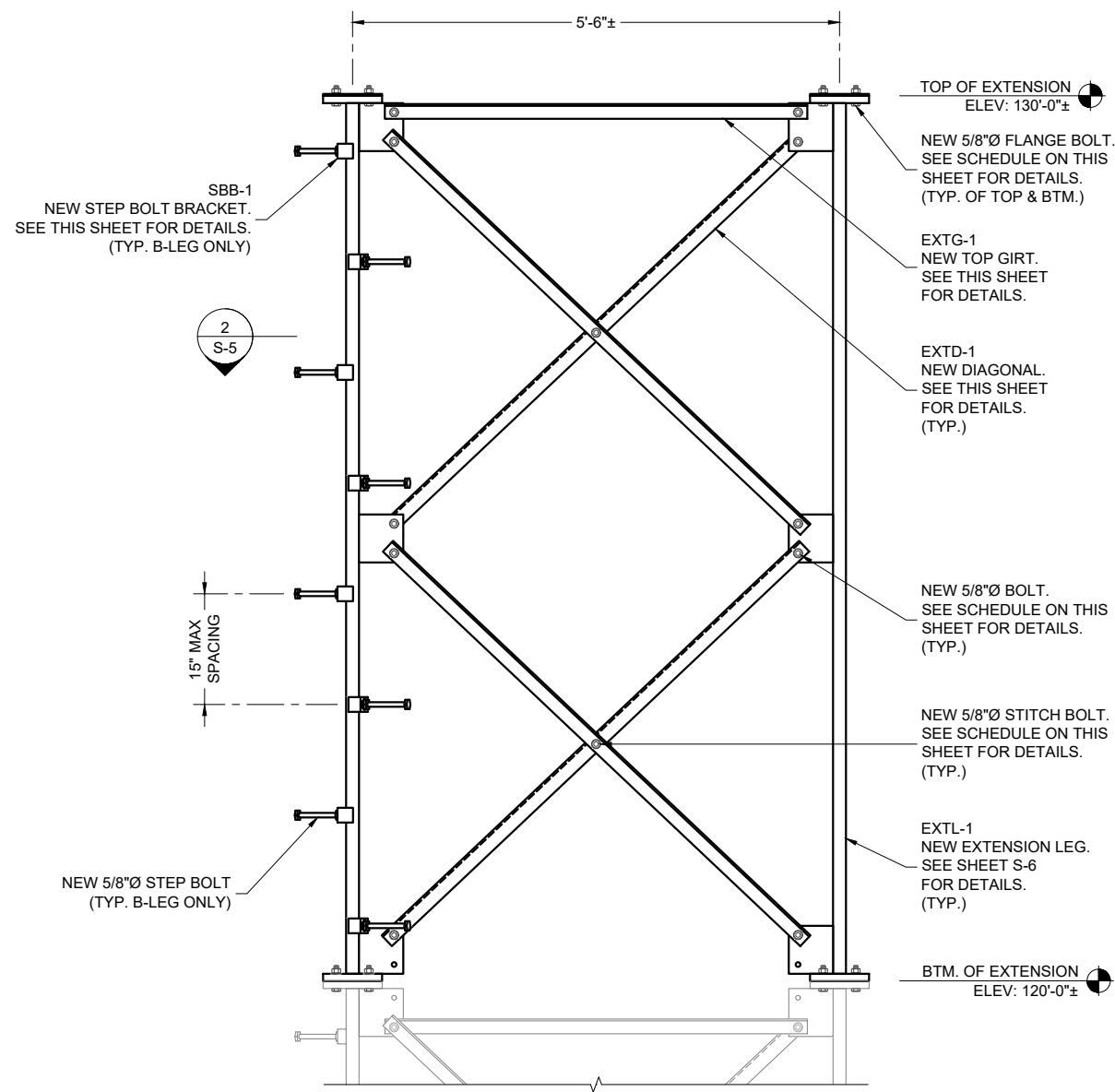
**160 DEER RUN RD
WILTON, CT 06897**

SHEET TITLE

SUBHORIZONTAL
FABRICATION
DETAILS

SHEET NUMBER

S-4



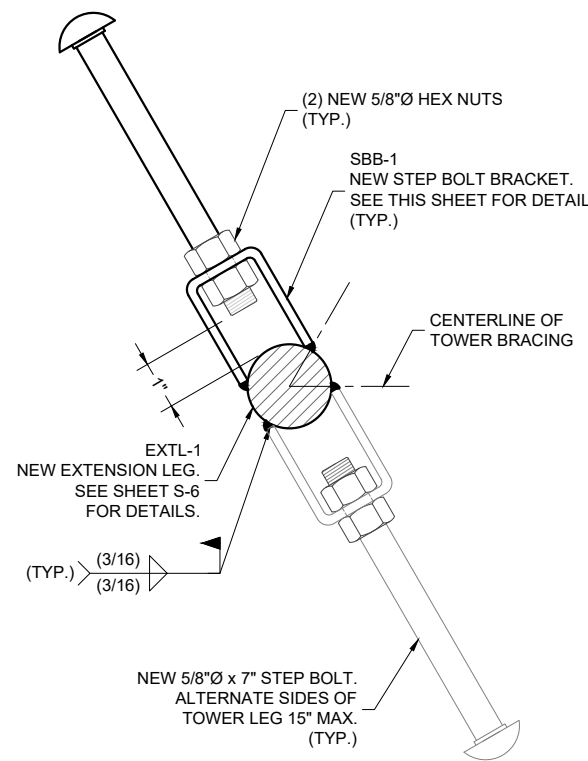
TOWER EXTENSION INSTALLATION
ELEVATION VIEW

1
S-5
ELEVATION
SCALE: NTS

- CONTRACTOR TO REINSTALL BEACON & LIGHTING ROD ON NEW EXTENSION.
- BOTTOM BAY OF DIAGONALS TO BE FIELD INSTALLED AFTER EXTENSION IS SET IN PLACE TO AVOID INSTALLATION ISSUES.
- CONTRACTOR TO REPLACE SAFETY CLIMB CABLE. ONE CONTINUOUS CABLE IS REQUIRED FROM TOP OF EXTENSION TO BASE OF TOWER. SEE MATERIAL LIST FOR DETAILS.
- CONTRACTOR TO EXTEND EXISTING CLIMBING LADDER TO BE FLUSH WITH TOP OF NEW EXTENSION.
- CONTRACTOR TO FIELD VERIFY FIT-UP OF THE NEW EXTENSION TO THE EXISTING TOWER PRIOR TO FABRICATION.

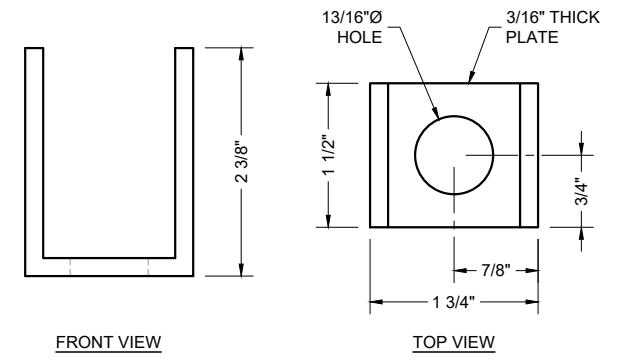
TOWER EXTENSION MATERIAL LIST		
PART #	QUANTITY	DESCRIPTION
EXTG-1	3	TOP GIRT
EXTD-1	12	DIAGONAL
EXTL-1	3	EXTENSION LEG
-	24	5/8"Ø A325N BOLT W/ NUT & LOCK WASHERS
-	6	5/8"Ø A325N STITCH BOLT W/ NUT & LOCK WASHERS
-	24	5/8"Ø A325N FLANGE BOLT W/ NUT & LOCK WASHERS
-	1	3/8" EHS x 125' (SAFETY CLIMB CABLE)
-	1	SAFETY CLIMB SYSTEM TUF-TAG (PART NO. TTCSCS) OR EQUIV.
SBB-1	8 ¹	STEP BOLT BRACKET
-	8 ¹	5/8"Ø x 7" STEP BOLT
-	16 ¹	5/8"Ø HEX NUT

1. MATERIAL QUANTITIES SHOWN FOR (1) LEG; ONLY B-LEG REQUIRES STEP BOLTS.



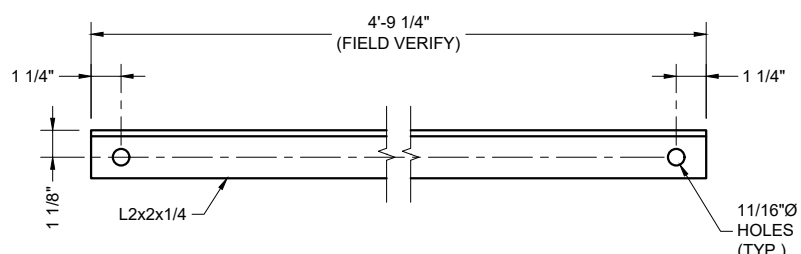
STEP BOLT BRACKET INSTALLATION
SECTION VIEW

2
S-5
DETAIL
SCALE: NTS



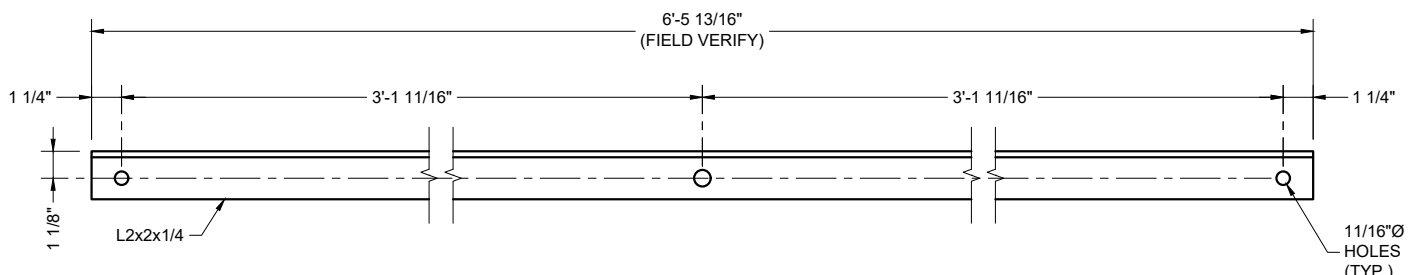
STEP BOLT BRACKET

SBB-1
S-5
DETAIL
SCALE: NTS



NEW TOP GIRT
FRONT VIEW

EXTG-1
S-5
DETAIL
SCALE: NTS



NEW DIAGONAL
FRONT VIEW

EXTD-1
S-5
DETAIL
SCALE: NTS

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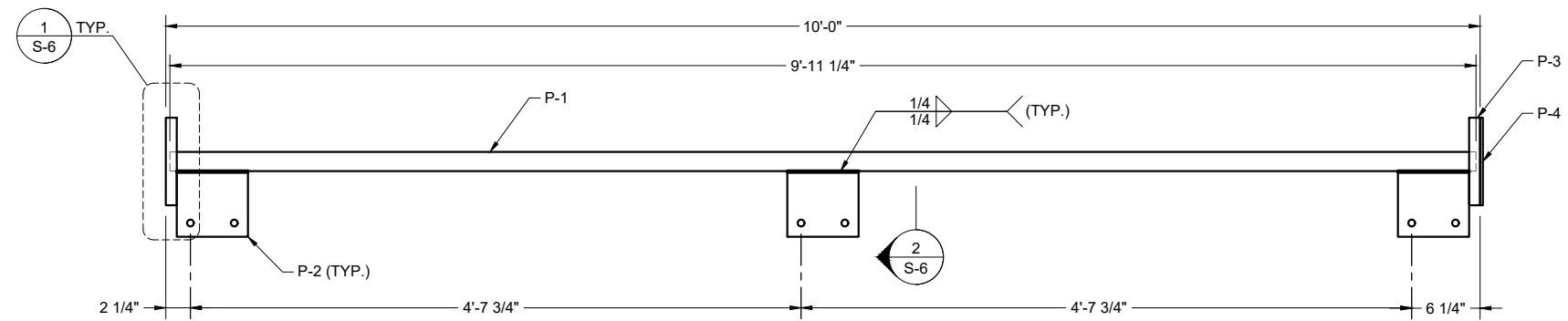
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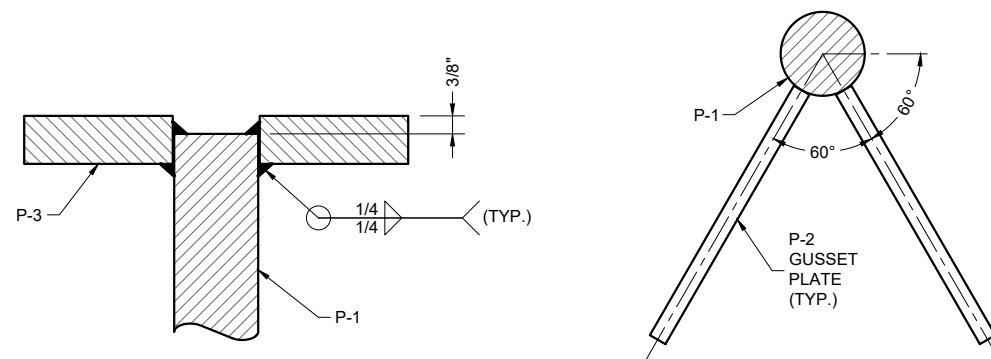
SHEET TITLE
**TOWER EXTENSION
INSTALLATION DETAILS I**

SHEET NUMBER
S-5



EXTENSION LEG
FRONT VIEW

EXTL-1
S-6
DETAIL
SCALE: 3/4" = 1'-0"



FLANGE WELD DETAIL
SECTION VIEW

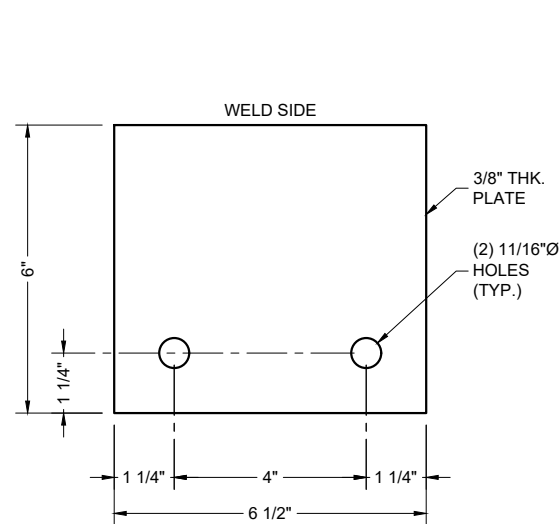
1
S-6
DETAIL
SCALE: NTS

EXTENSION LEG
SECTION VIEW

2
S-6
DETAIL
SCALE: NTS

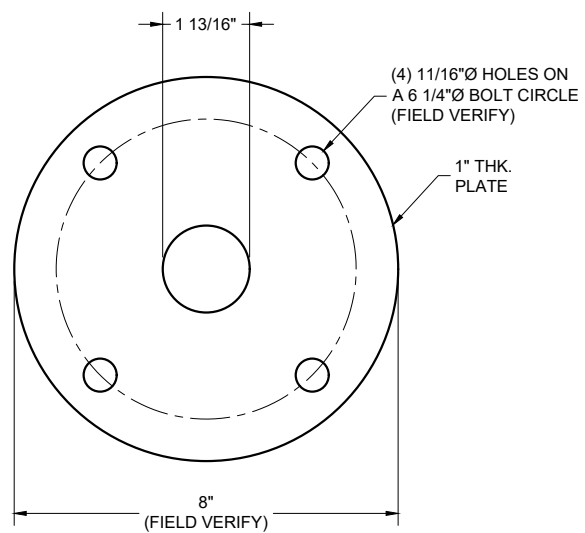
MATERIAL LIST (EXTL-1) ¹		
PART #	QUANTITY	DESCRIPTION
P-1	1	SR 1.75" (9'-11 1/4" LONG)
P-2	2	FLANGE PLATE
P-3	3	GUSSET PLATE
P-4	1	CAP PLATE

1. MATERIAL QUANTITIES SHOWN FOR (1) EXTENSION LEG.
(3) EXTENSION LEGS REQUIRED.



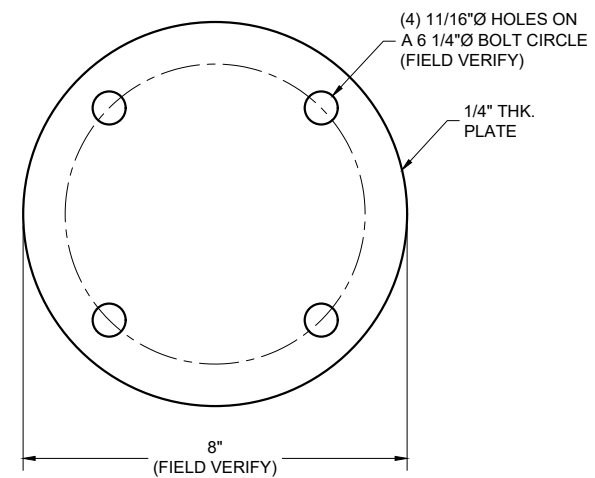
GUSSET PLATE
PLAN VIEW

P-2
S-6
DETAIL
SCALE: 3" = 1'-0"



FLANGE PLATE
PLAN VIEW

P-3
S-6
DETAIL
SCALE: 3" = 1'-0"



CAP PLATE
PLAN VIEW

P-4
S-6
DETAIL
SCALE: 3" = 1'-0"

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WILTON, CT 06897**

SHEET TITLE
**TOWER EXTENSION
INSTALLATION DETAILS II**

SHEET NUMBER
S-6