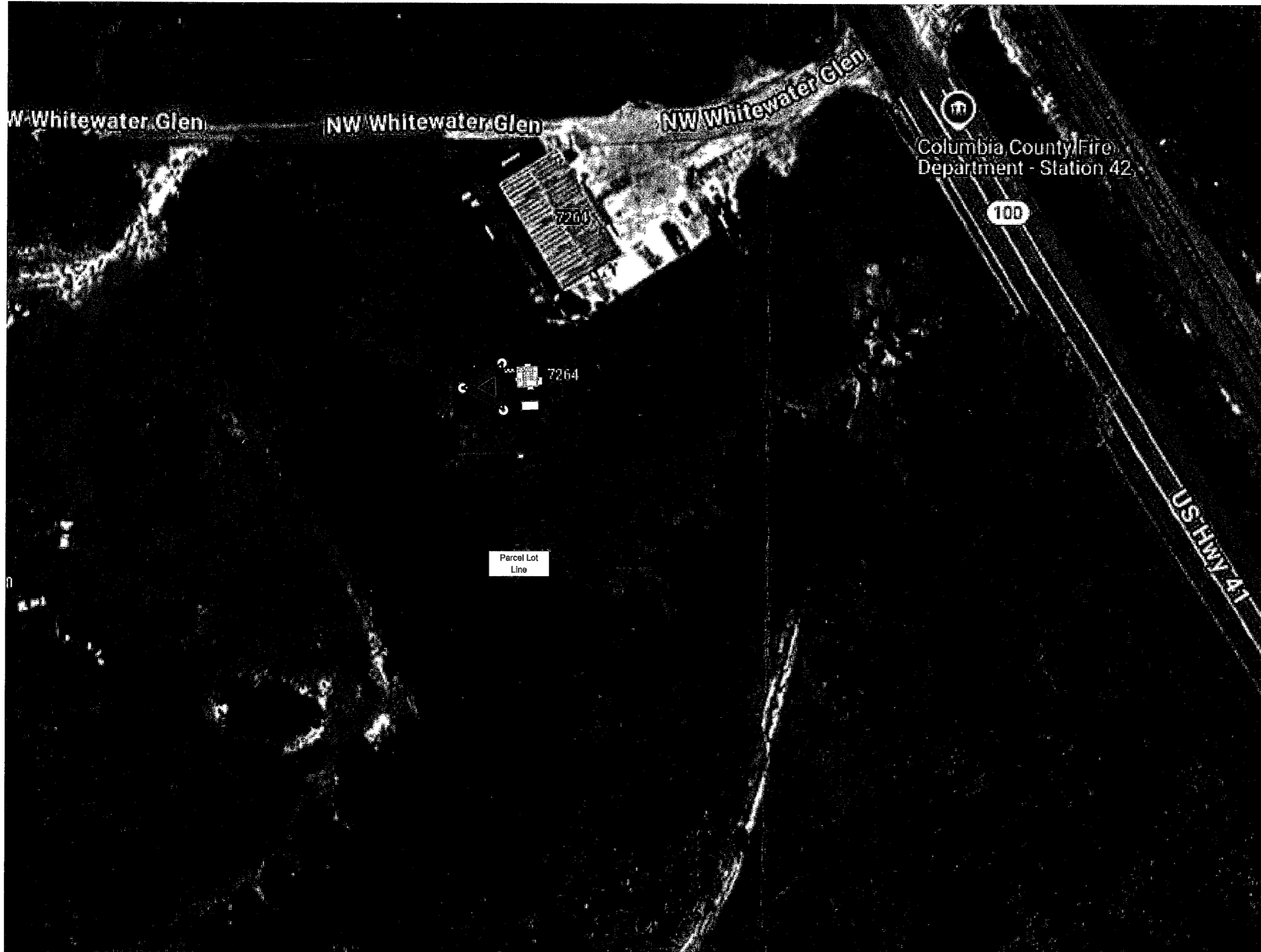




Suwannee Valley Tower
 7262 US-41
 Lake City, FL 32055

30:16:40.03 N
 82:41:55.65 W

Parcel ID: 34-2S-16-01841-010



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 COMMUNICATIONS SITE DEVELOPMENT

Revisions of Drawings

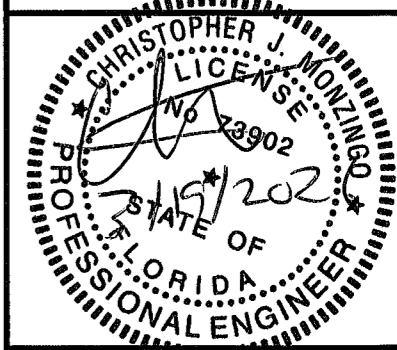
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Issues of Drawings

No.	Date	Issues
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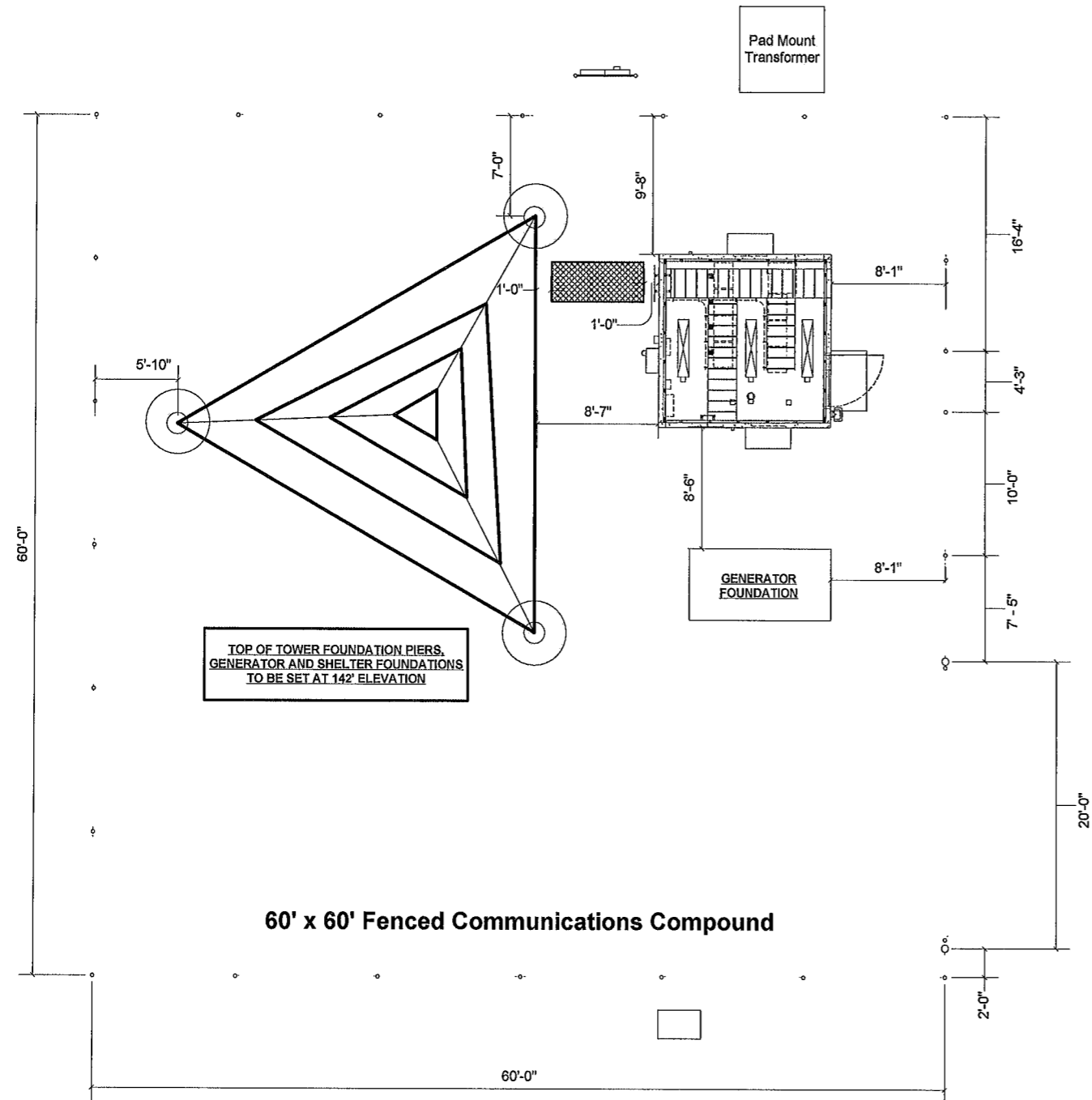


Drawing Title

Parcel Detail

Drawing Scale 1" = 30'

Sheet No S1



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Revisions of Drawings

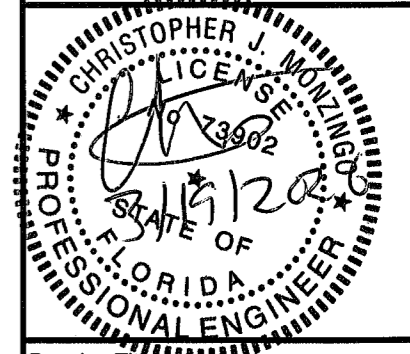
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Issues of Drawings

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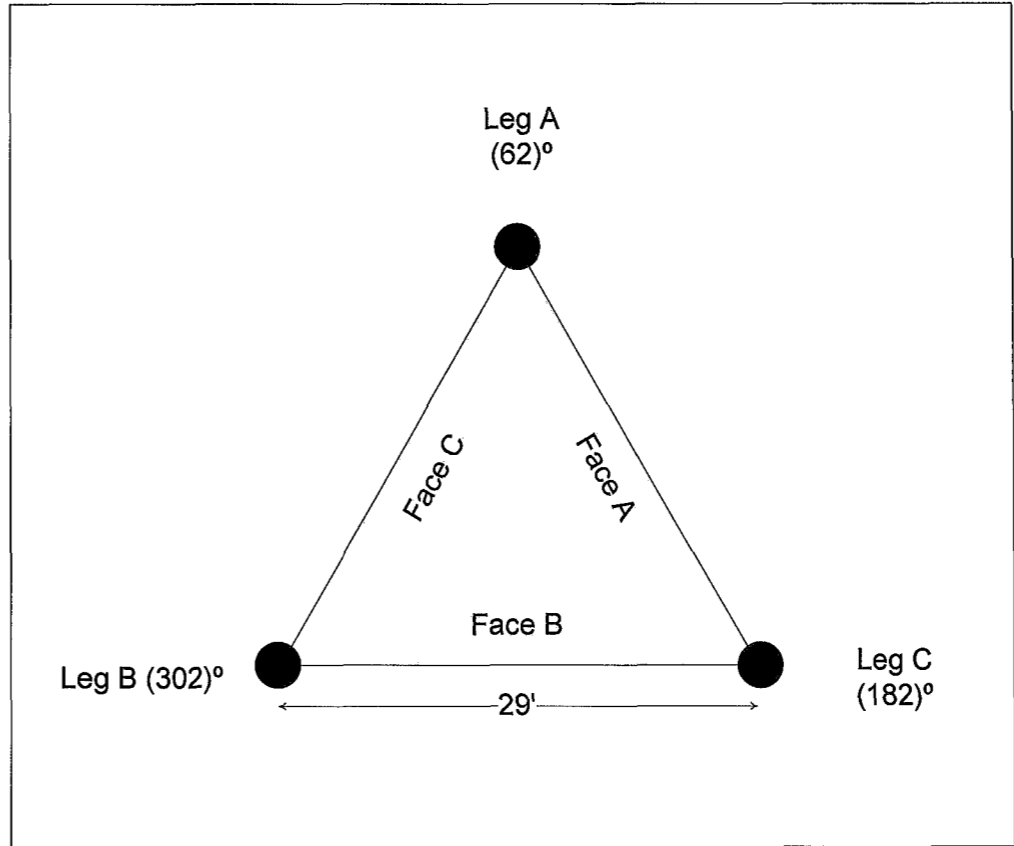
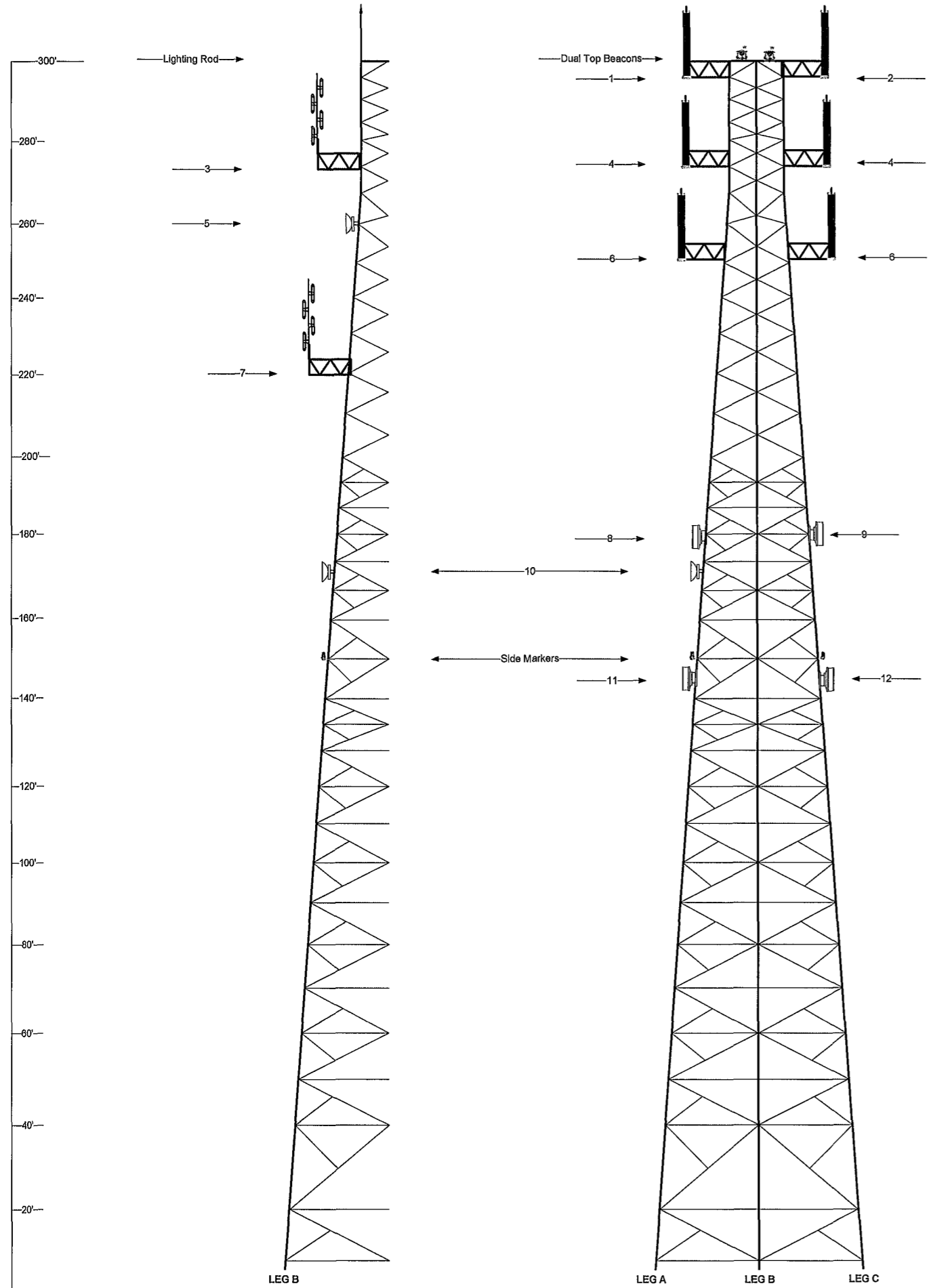


Drawing Title:

Site Layout

Drawing Scale 1" = 5'

Sheet No S2



SVFS#42 300-ft Self-Supporting
30.16:40.03 N
82:41:55.65 W

System	Antenna Model	Antenna Mount	Antenna Height	Tx Line	Azimuth	Use	Antenna Number
P25 System	SC488-HFISNF	6' Sidearm Mount	300'	1 5/8" COAX	OMNI	P25 RX	1
P25 System	TTA	To RX antenna sidearm	300'	(2) 1/2" COAX	N/A	TTA	N/A
FUTURE (State)	SC488-HFISNF	6' Sidearm Mount	300'	1 5/8" COAX	OMNI	FUTURE (State RX)	2
FUTURE (State)	TTA	To RX antenna sidearm	300'	(2) 1/2" COAX	N/A	TTA	N/A
VHF	DB224-A	6' Sidearm Mount	275'	7/8" COAX	OMNI	Duplex	3
P25 System	(2) SC488-HFISNF	(2) 6' Sidearm Mount	275'	(2) 1 5/8" COAX	OMNI	P25 TX	4
Unlicensed MW	SPD2-5.2	MW Pipe Mount	260'	Ethernet	TBD	Unlicensed MW	5
Unlicensed MW Radio Unit	MW Radio	To MW Pipe Mount	260'	Ethernet	TBD	Unlicensed MW Radio	N/A
FUTURE (State)	(2) SC488-HFISNF	(2) 6' Sidearm Mount	250'	(2) 1 5/8" COAX	OMNI	FUTURE (State TX)	6
VHF	DB224 A	6' Sidearm Mount	220'	7/8" COAX	OMNI	Duplex	7
Licensed MW	HP6-65	MW Pipe Mount	180'	(1) EW 52	TBD	Main	8
Licensed MW	HP6-65	MW Pipe Mount	180'	(1) EW 52	TBD	Main	9
Unlicensed MW	(2) SPD2-5.2	(2) MW Pipe Mount	170'	(2) Ethernet	TBD	Unlicensed MW	10
Unlicensed MW Radio Unit	(2) MW Radio	To MW Pipe Mount	170'	(2) Ethernet	TBD	Unlicensed MW Radio	N/A
Licensed MW	HP6-65	MW Pipe Mount	145'	(1) EW 52	TBD	Diversity	11
Licensed MW	HP6-65	MW Pipe Mount	145'	(1) EW 52	TBD	Diversity	12

*All MW shall be considered 6GHz for twist and sway calculations
 *Unlicensed MW radio and TTA specifications 12" x 12" x 6" 25lbs
 *The tower shall be designed with a Risk Category III-IV
 *No tower member loading shall exceed 95%

THE TOWER SHALL BE DESIGNED IN ACCORDANCE WITH THE ANSITIA-222-H OR THE LATEST EXCEPTED REVISION "STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS" USING 127 MPH BASIC WIND WITH NO ICE AND 60 MPH UNDER SERVICE LOADS WITH A MAXIMUM OF A 20' FALL RADIUS

THE TOWER DESIGN SHALL INCLUDE ALL PLANNED AND FUTURE LOADS LISTED IN THE PROVIDED LOADING TABLE WHILE NO SECTION OF THE TOWER SHALL BE LOADED MORE THAN 95%

CLASSIFICATION OF STRUCTURE CLASS III
 EXPOSURE CATEGORY EXPOSURE C
 TOPOGRAPHIC CATEGORY CATEGORY 1

****SEE ADDITIONALLY ATTACHED VALMONT TOWER STEEL AND FOUNDATION DRAWINGS****



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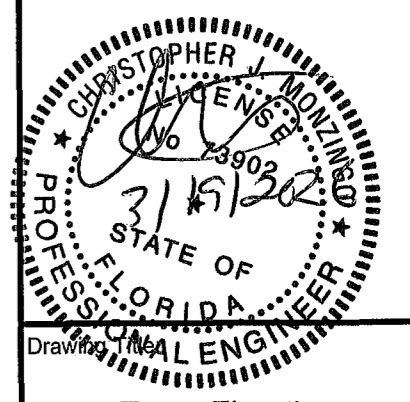
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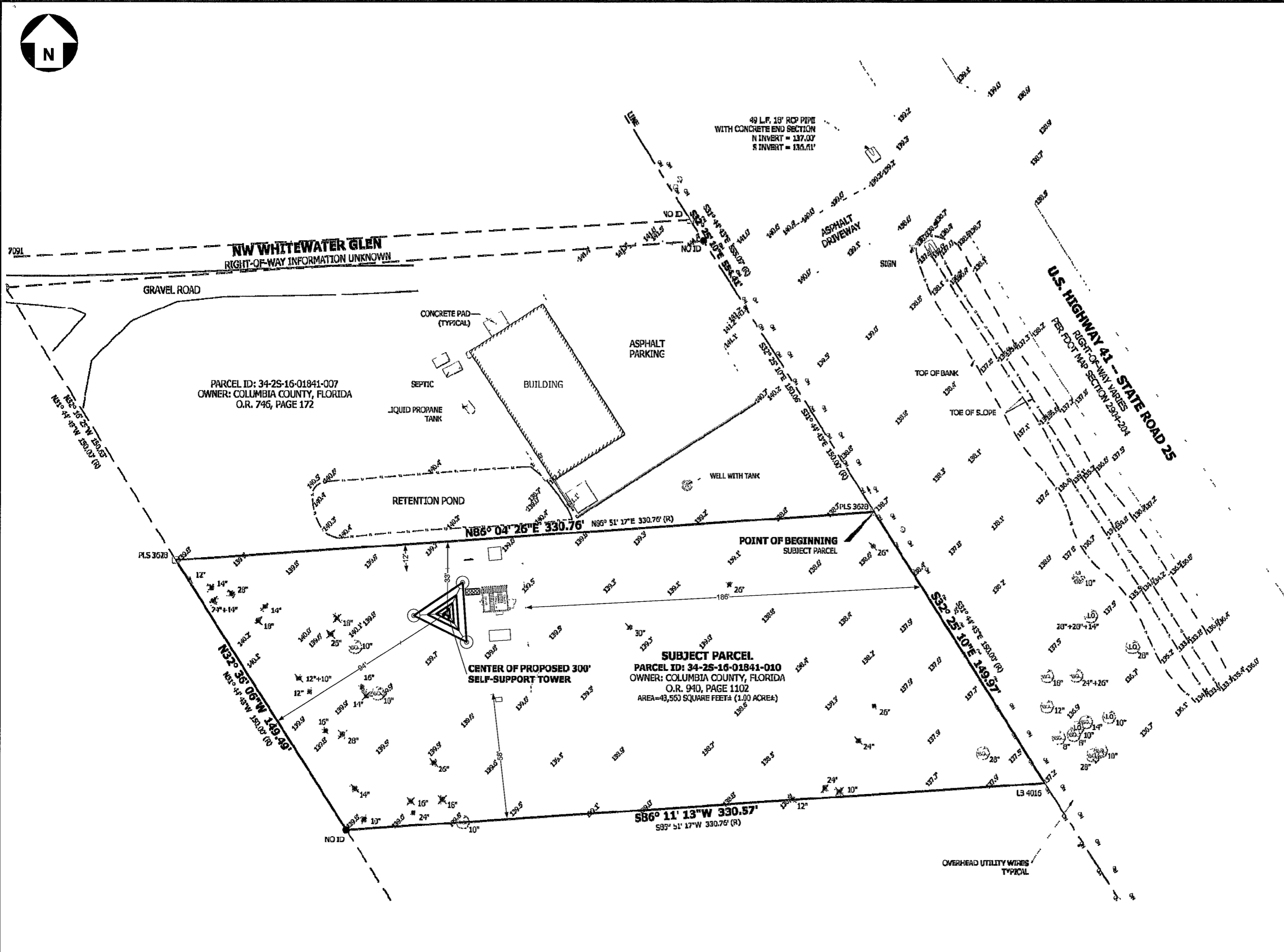
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Tower Elevation

Drawing Scale N/A

Sheet No



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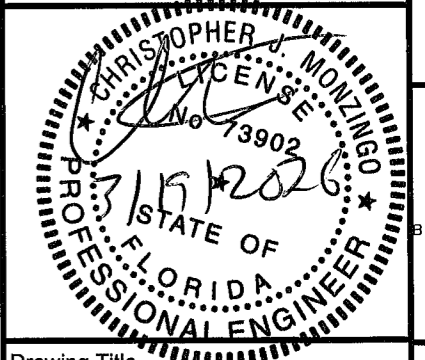
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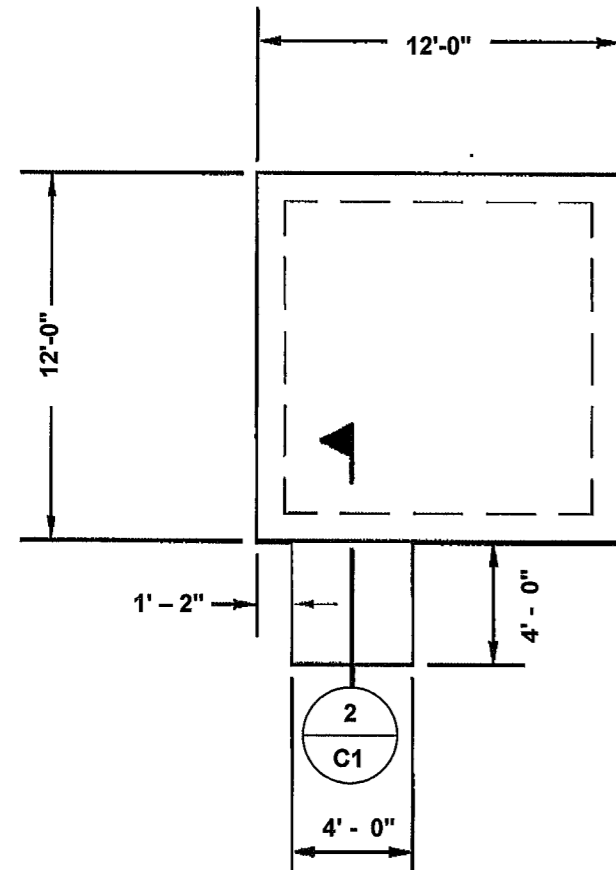
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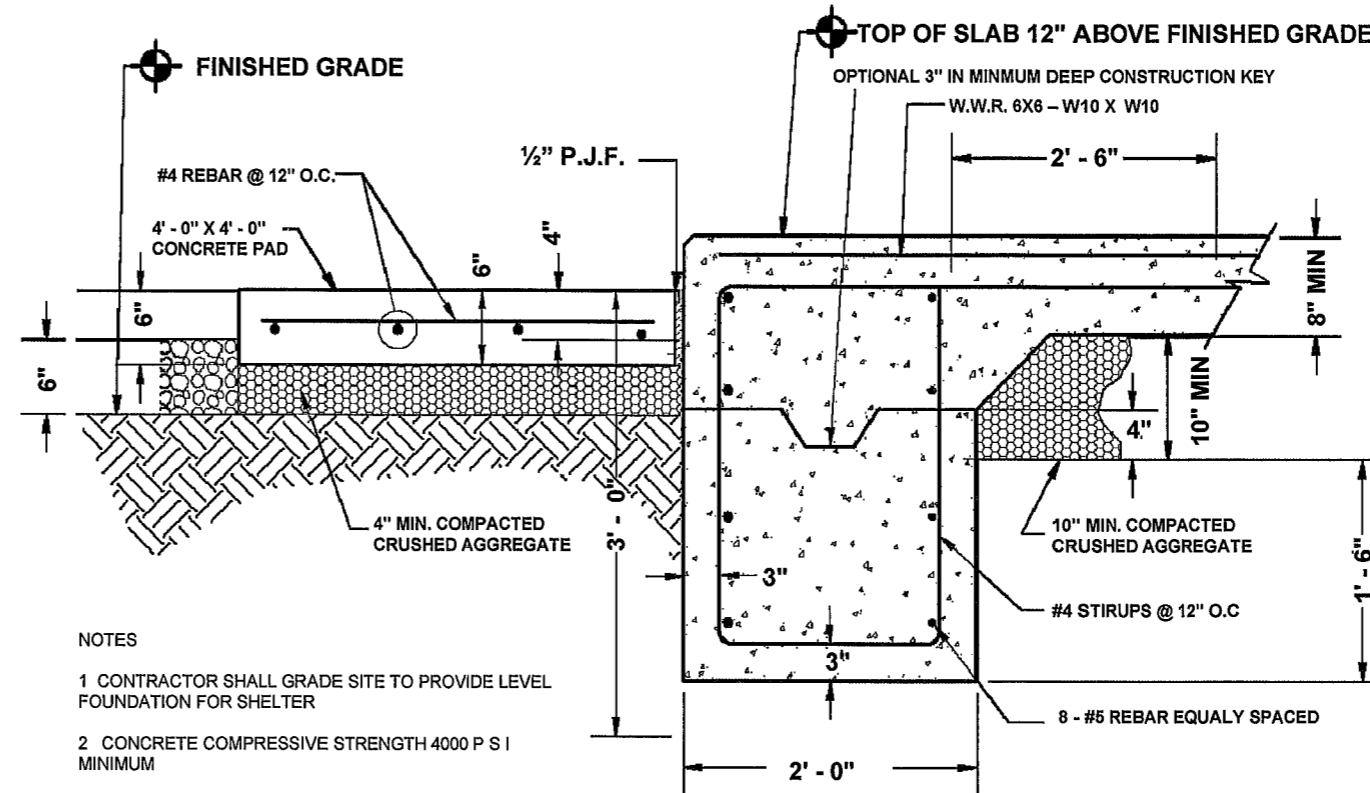
Drawing Title
Parcel Survey

Drawing Scale. 1" = 20'

Sheet No S4

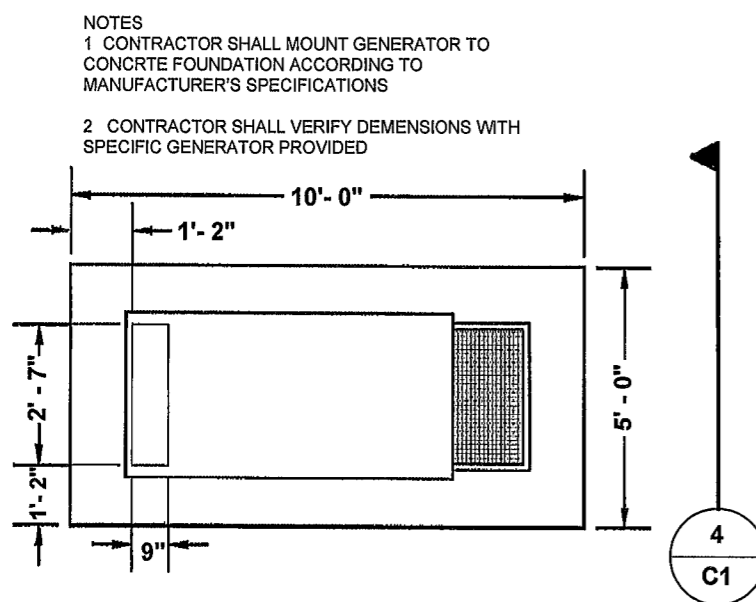


1
C1
COMMUNICATIONS SHELTER FOUNDATION DETAIL
SCALE: N.T.S.



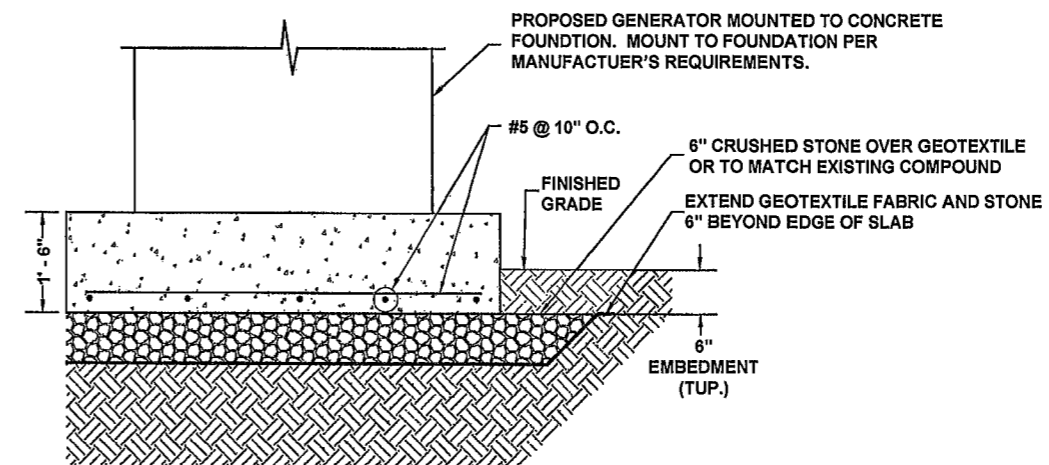
NOTES
 1 CONTRACTOR SHALL GRADE SITE TO PROVIDE LEVEL FOUNDATION FOR SHELTER
 2 CONCRETE COMPRESSIVE STRENGTH 4000 P S I MINIMUM

2
C1
COMMUNICATIONS SHELTER FOUNDATION DETAIL SECTION
SCALE: N.T.S.



NOTES
 1 CONTRACTOR SHALL MOUNT GENERATOR TO CONCRTE FOUNDATION ACCORDING TO MANUFACTURER'S SPECIFICATIONS
 2 CONTRACTOR SHALL VERIFY DEMENSIONS WITH SPECIFIC GENERATOR PROVIDED

3
C1
EMERGENCY GENERATOR FOUNDATION DETAIL
SCALE: N.T.S.



4
C1
EMERGENCY GENERATOR FOUNDATION DETAIL SECTION
SCALE: N.T.S.

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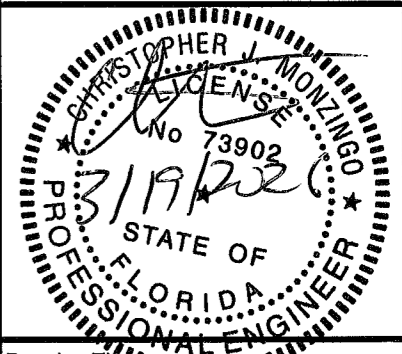
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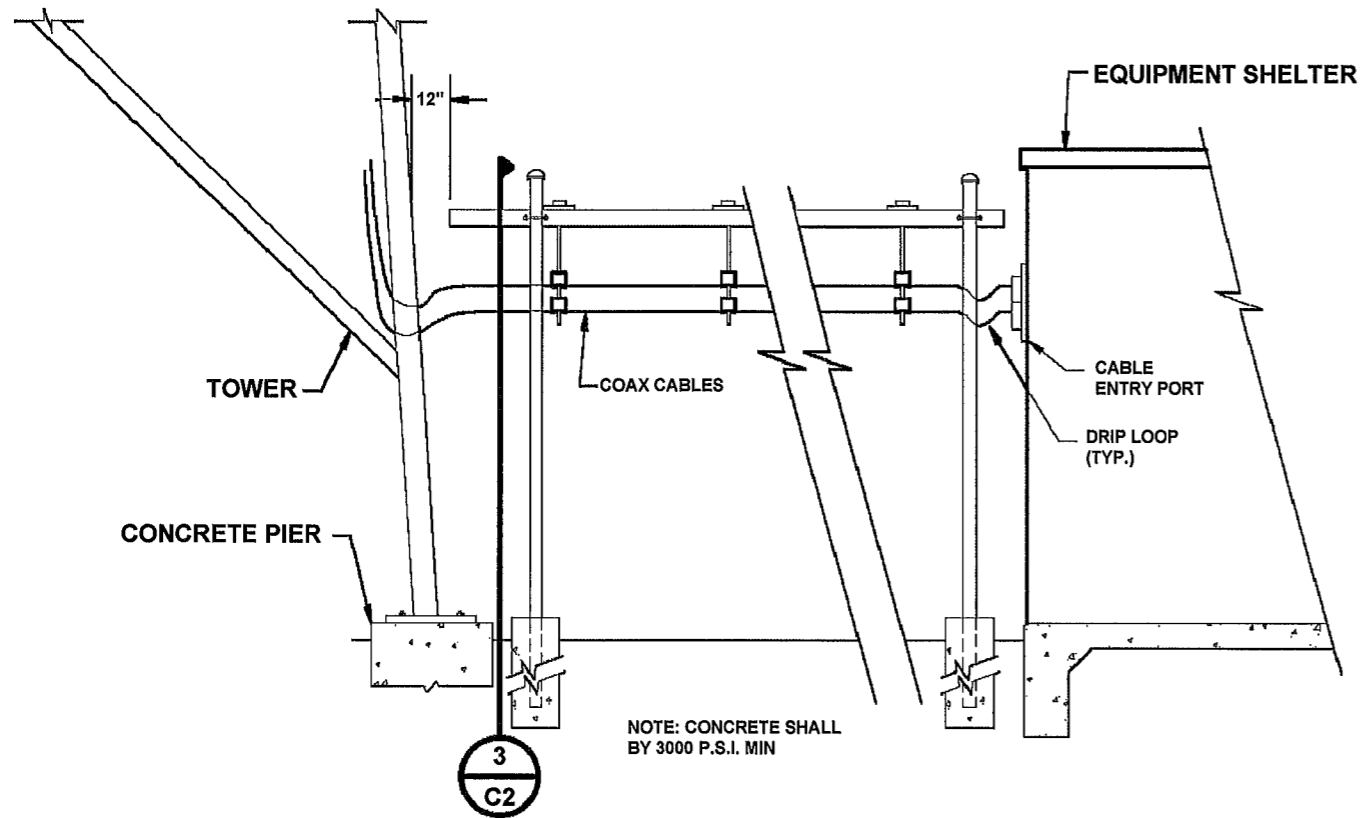
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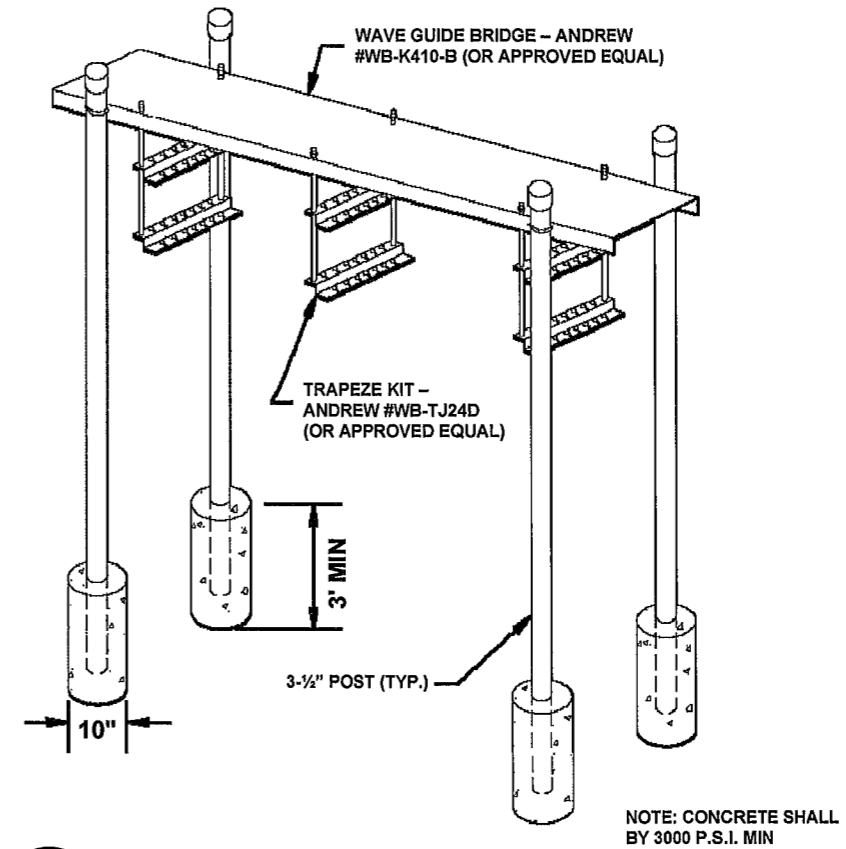
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Foundation Details

Drawing Scale N/A

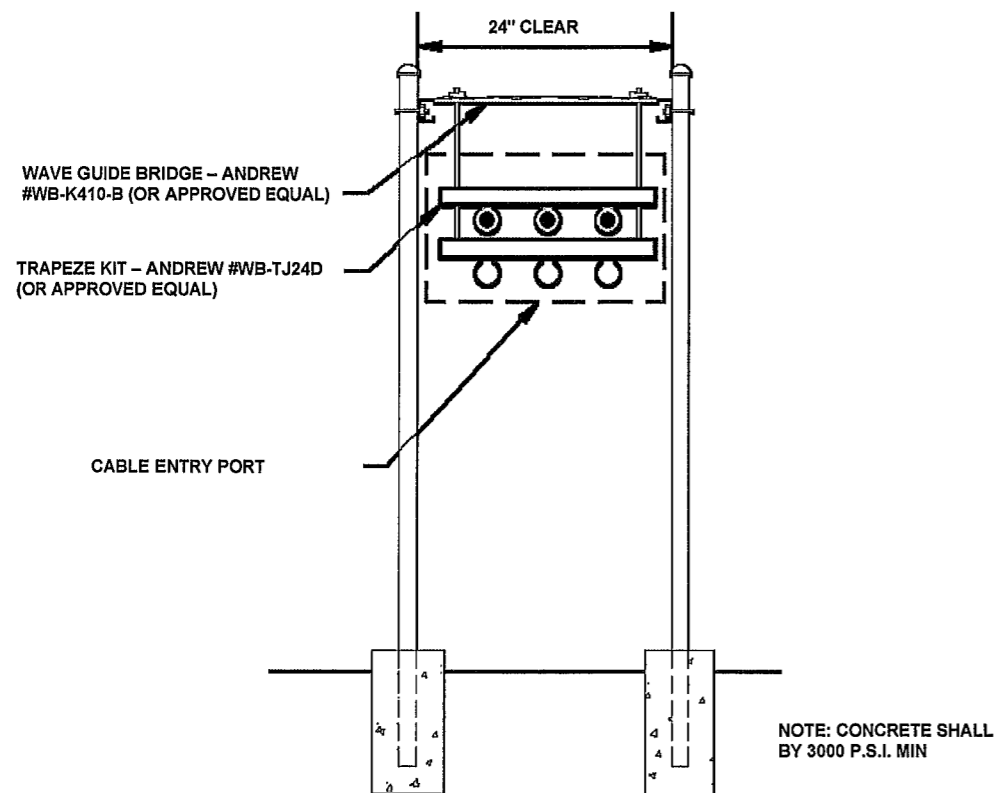
Sheet No
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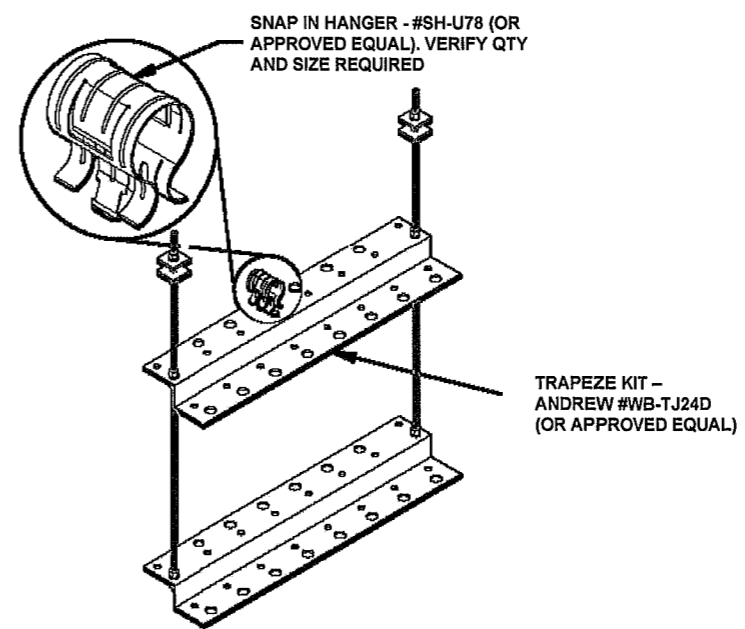
1
C2
ICE BRIDGE ELEVATION (SIDE)
SCALE: N.T.S.



2
C2
ICE BRIDGE ELEVATION
SCALE: N.T.S.



3
C2
ICE BRIDGE ELEVATION (FRONT)
SCALE: N.T.S.



4
C2
TRAPEZE KIT DETAIL
SCALE: N.T.S.

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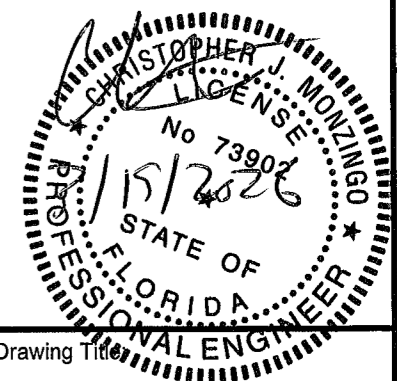
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Issues of Drawings

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Drawing Title
Ice Bridge Details

Drawing Scale N/A

Sheet No
C2



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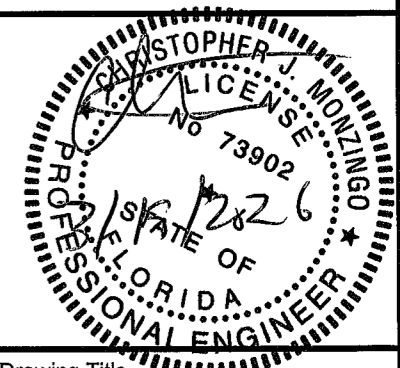
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Issues of Drawings

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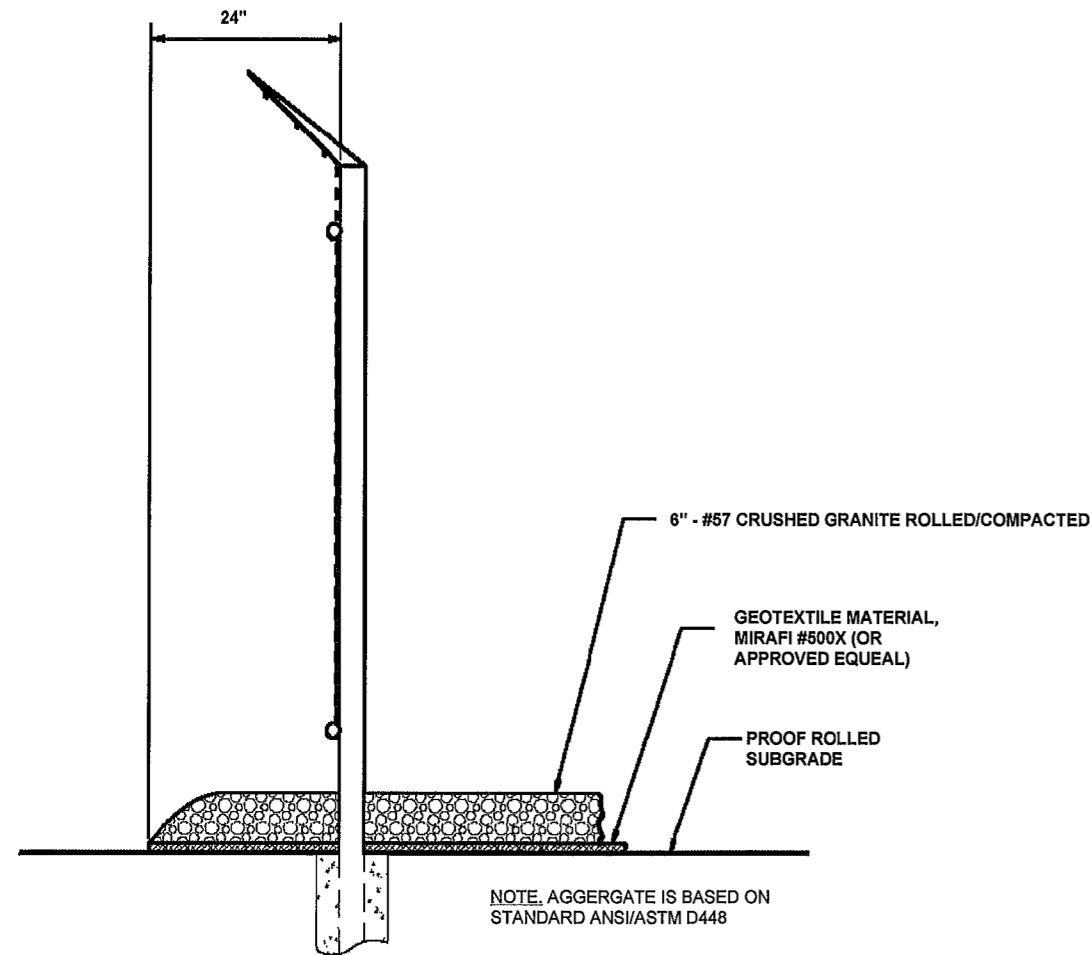
Drawing Title

Compound & Access Road
Details

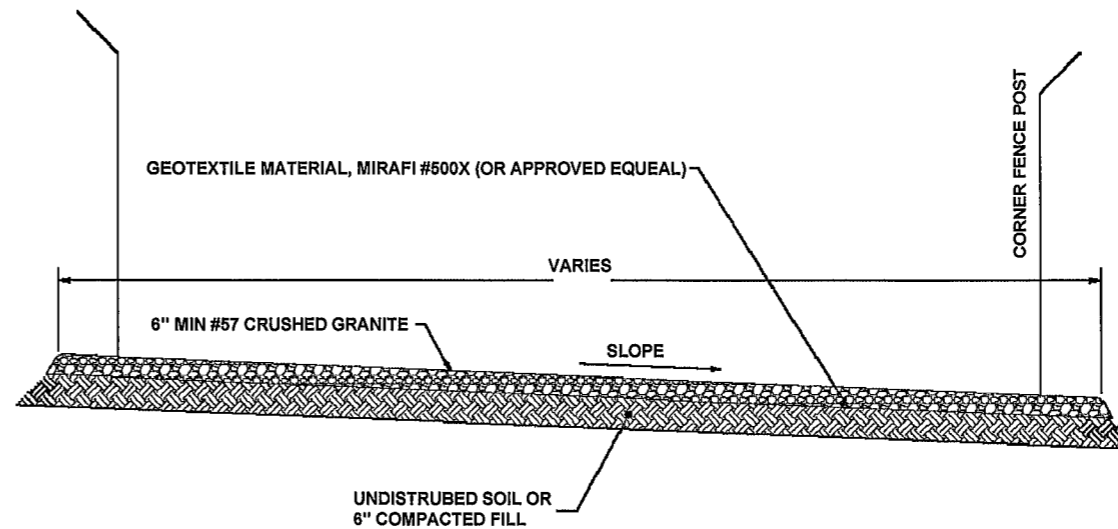
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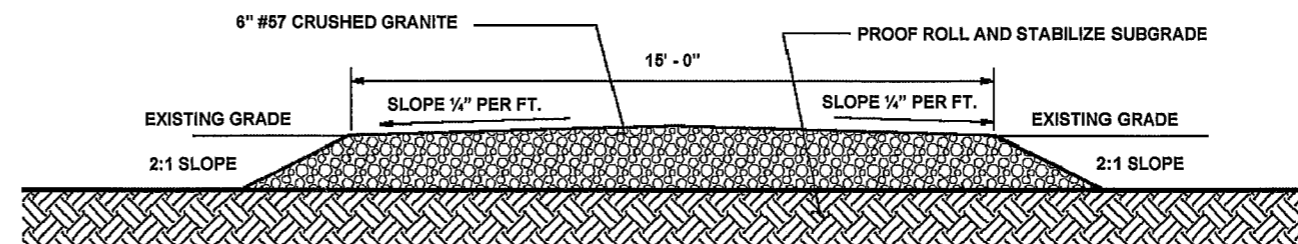
C3



1
C3 **COMPOUND SURFACING DETAIL**
SCALE: N.T.S.



2
C3 **SITE COMPOUND SECTION**
SCALE: N.T.S.

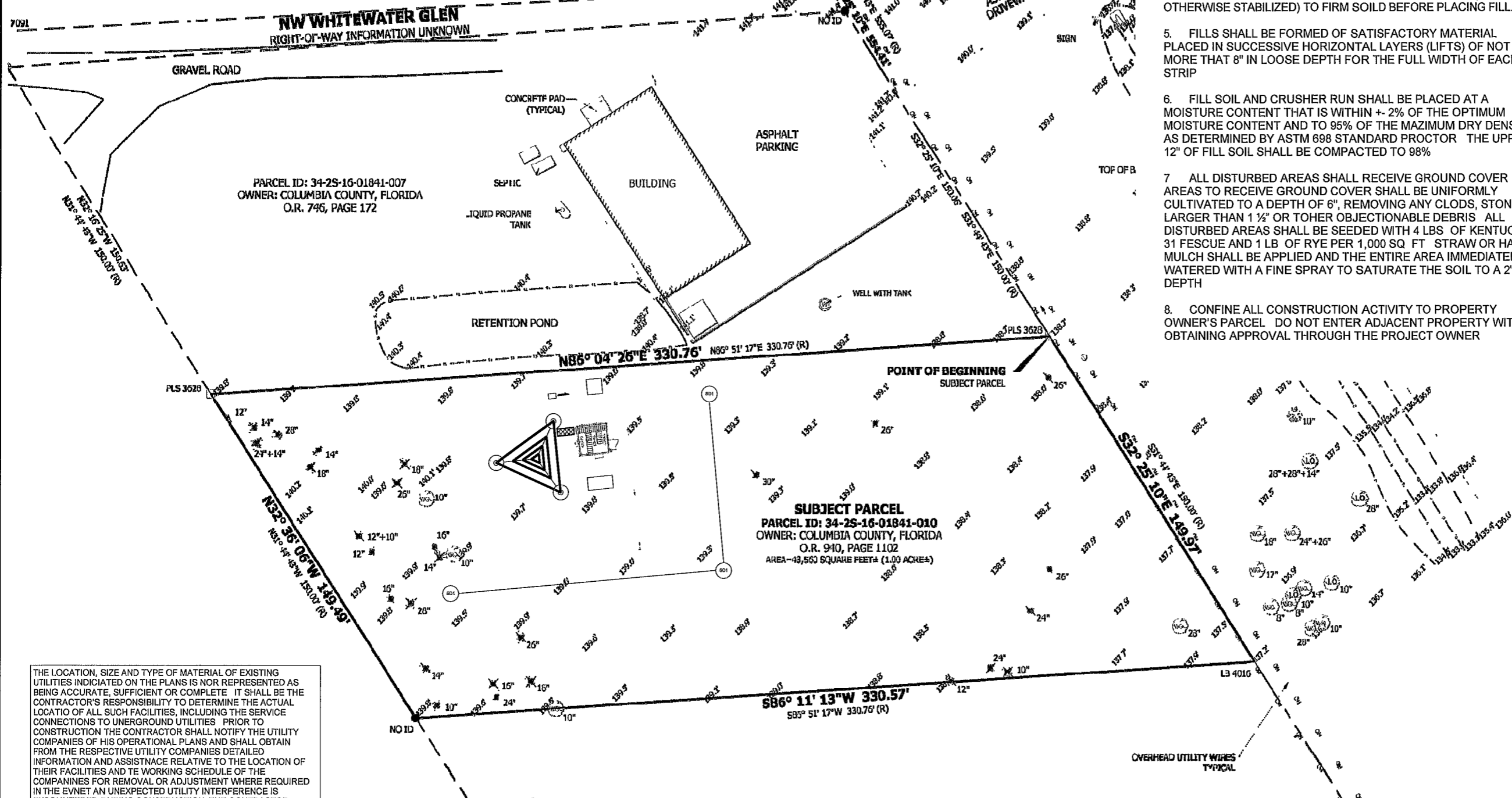


NOTE, AGGERGATE IS BASED ON STANDARD ANSI/ASTM D448

3
C3 **ACCESS ROAD DETAIL**
SCALE: N.T.S.

NOTES:

1 WHERE PERMISSIBLE BY LOCAL CODES, AN EPA APPROVED HERBICIDE SHALL BE APPLIED TO ALL AREAS PRIOR TO LAYING DOWN THE GEOTEXTILE FABRIC THE RATE OF APPLICATION OF THIS HERBICIDE SHALL BE A MINIMUM OF 10 POUNDS OF PRODCUT PER ACRE, UNLESS REQUIRED BY LOCAL CODS OR MANUFACTURE'S RECOMMENDATIONS THE CONTRACTOR SHALL CHECK LOCAL CODES PRIOR TO APPLYING HERBICIDE SUBSTANCE SHALL NOT BE APPLIED IF GROUND IS FROZEN OR DANGE OF HERBISIDE BEING WASHED BEYOND THE INTENDED AREA.



GRADIN AND DRAINAGE NOTES:

1. THE CONTRACTOR TO GRADE COMPOUND, ACCESS ROAD AND PARKING AREA TO INSURE POSITIVE DRAINAGE TO AVOID STANDING WATER, MINIMUM GRADE IS 1%
2. PROPOSED CONTOURS AND SPOT ELEVATIONS ARE SHOWN AT TOP OF CRUSHED STONE, TOP OF FOUNDATION, OR TOP OF TOPSOIL. SEE DETAILS FOR THICKNESS OF CRUSHED STONE. MASS GRADED AREAS AND CRUSHED STONE SHALL BE FINISHED WITHIN 2" OF ELEVATIONS SHOWN. FOUNDATIONS SHALL BE FINISHED WITH 0.5" OF ELEVATIONS SHOWN
3. ALL TREES, ROOTS, BRUSH AND ORGANIC MATTER (TOP SOIL) SHALL BE STRIPPED FROM CONSTRUCTION AND ROADWAY AREAS
4. ALL AREAS TO RECEIVE FILL SHALL FIRST BE PROOF ROLLED WITH A FULLY LOADED TANDEM DUMP TRUCK (25 TON MIN) ANY AREAS WHICH EXHIBIT "PUMPING" SHALL BE UNDERCUT (OR OTHERWISE STABILIZED) TO FIRM SOILD BEFORE PLACING FILL.
5. FILLS SHALL BE FORMED OF SATISFACTORY MATERIAL PLACED IN SUCCESSIVE HORIZONTAL LAYERS (LIFTS) OF NOT MORE THAN 8" IN LOOSE DEPTH FOR THE FULL WIDTH OF EACH STRIP
6. FILL SOIL AND CRUSHER RUN SHALL BE PLACED AT A MOISTURE CONTENT THAT IS WITHIN +/- 2% OF THE OPTIMUM MOISTURE CONTENT AND TO 95% OF THE MAZIMUM DRY DENSITY AS DETERMINED BY ASTM 698 STANDARD PROCTOR. THE UPPER 12" OF FILL SOIL SHALL BE COMPACTED TO 98%
7. ALL DISTURBED AREAS SHALL RECEIVE GROUND COVER. ALL AREAS TO RECEIVE GROUND COVER SHALL BE UNIFORMLY CULTIVATED TO A DEPTH OF 6", REMOVING ANY CLOUDS, STONES LARGER THAN 1 1/2" OR TOHER OBJECTIONABLE DEBRIS. ALL DISTURBED AREAS SHALL BE SEEDED WITH 4 LBS OF KENTUCKY 31 FESCUE AND 1 LB OF RYE PER 1,000 SQ FT. STRAW OR HAY MULCH SHALL BE APPLIED AND THE ENTIRE AREA IMMEDIATELY WATERED WITH A FINE SPRAY TO SATURATE THE SOIL TO A 2" DEPTH
8. CONFINE ALL CONSTRUCTION ACTIVITY TO PROPERTY OWNER'S PARCEL. DO NOT ENTER ADJACENT PROPERTY WITHOUT OBTAINING APPROVAL THROUGH THE PROJECT OWNER

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UTILITIES INDICATED ON THE PLANS IS NOR REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATIO OF ALL SUCH FACILITIES, INCLUDING THE SERVICE CONNECTIONS TO UNERGROUND UTILITIES. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTNACE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND TE WORKING SCHEDULE OF THE COMPANINES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED IN THE EVNET AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

CONTACT SUNSHINE STATE ONE CALL CENTER AT (800) 432-4770 FOR UTILITY INFORMATION BEFORE DIGGING

SD1 SEE SHEET C5 FOR ERROSION CONTROL NOTES AND DETAILS



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Revisions of Drawings

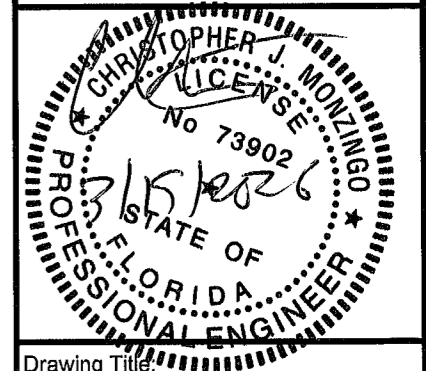
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Issues of Drawings

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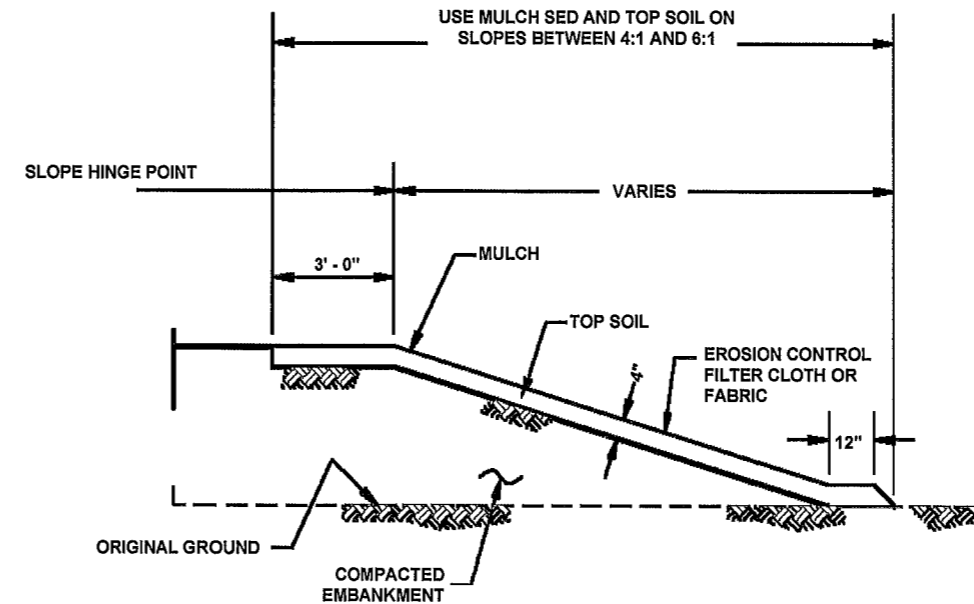
Erosion Control Plan

Drawing Scale 1" = 60'

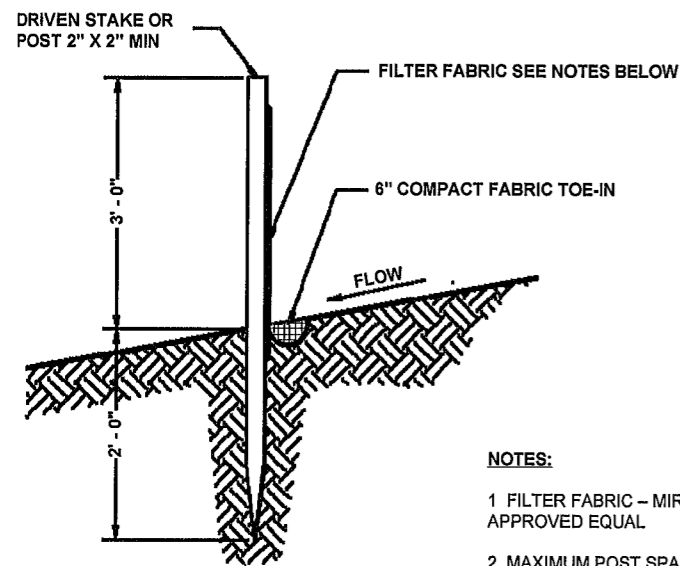
Sheet No C4

SOIL EROSION CONTROL NOTES:

1. ALL UNDERGROUND UTILITY STRUCTURES SHALL BE PROTECTED, UNTIL GRAVEL/PAVEMENT HAS BEEN INSTALLED, OR UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED
2. CONTRACTOR SHALL INSPECT THE SILTATION FENCES, AND DIVERSION DITCHES PERIODICALLY AND MAINTAIN OR REPLACE AS NECESSARY, OR AS DIRECTED BY ENGINEER
3. ALL OTHER SOIL EROSION CONTROL DEVICES AND MEASURES DEEMED NECESSARY BY THE ENGINEER SHALL BE IMPLEMENTED IMMEDIATELY UPON NOTIFICATION OF THE CONTRACTOR
4. INSTALL STONE/GRAVEL CONSTRUCTION ENTRANCE TO THE SITE, WITH MINIMUM THICKNESS OF 6 INCHES PRIOR TO ANY WORK ON THE SITE PERFORM PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, OR AS DIRECTED BY ENGINEER
5. INSPECTION OF THE SITE SHALL BE AT LEAST ONCE A WEEK AND AFTER ANY SIGNIFICANT RAINFALL TO INSURE THE SOIL EROSION CONTROL MEASURES ARE WORKING PROPERLY
6. IF ANY STOCKPILES ARE CONSTRUCTED, THEY SHALL HAVE AN 18-INCH DEEP TRENCH AROUND THE PERIMETER TO ACT AS A SEDIMENT TRAP, WITH SAID TRAP TO BE CLEANED PERIODICALLY AS REQUIRED DITCH CHECKS SHALL BE MAINTAINED UNTIL DRAINAGE AREA TRIBUTARY TO DITCH CHECKS HAS LIVE AND GROWING GRASS OR GROUNDCOVER AFTER LIVE AND GROWING GRASS OR GROUNDCOVER HAS BEEN ESTABLISHED, DITCH CHECKS SHALL BE REMOVED
7. STREETS ADJACENT TO THE SITE SHALL BE KEPT FREE OF DIRT, MUD AND DEBRIS
8. MINIMIZE BARE EARTH SURFACES DURING CONSTRUCTION
9. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS IS PRACTICAL.
10. WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIALS ARE DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, OR DITCHES SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THIS LOOSE MATERIAL SHALL BE REMOVED
11. ALL SEDIMENT WILL BE PREVENTED FROM ENTERING ANY EXISTING STORM DRAINAGE SYSTEMS BY THE USE OF SAND BAGS, INTERCEPTOR DIKES OR OTHER APPROVED FUNCTIONAL METHODS THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT RESULTING FROM THIS PROJECT FROM STORM SEWERS AND DRAINAGE STRUCTURES

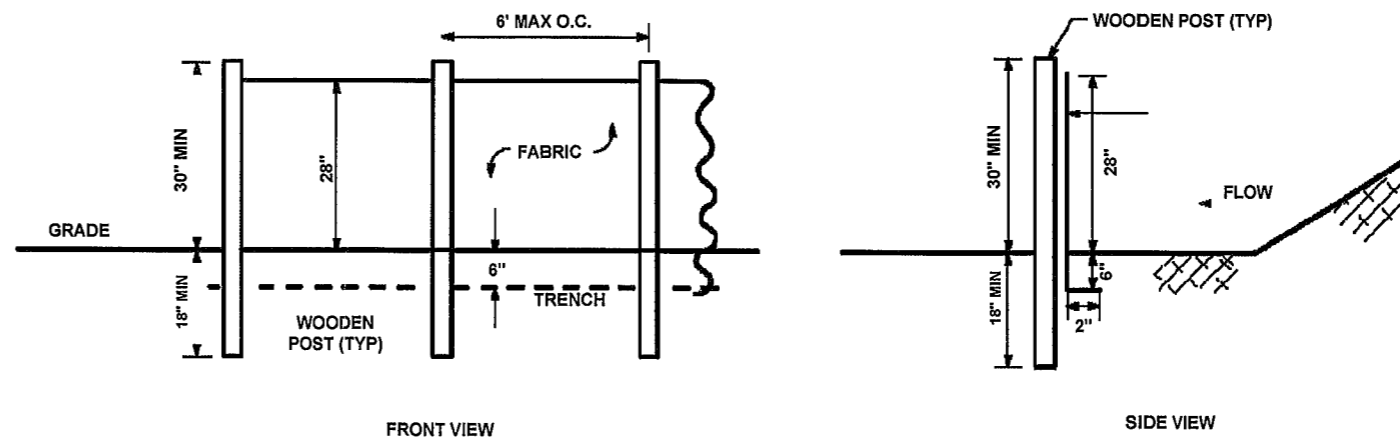


1
C5 **SLOPE EROSOIN CONTROL**
SCALE: N.T.S.



- NOTES:**
1. FILTER FABRIC - MIRAFI #100X, STABILENKA T-80, SUPAC 4 1/2 NP, OR APPROVED EQUAL
 2. MAXIMUM POST SPACING = 4'
 3. SECURLY FASTEN FABRIC TO STAKES WITH WIRE TIES OR STAPLES

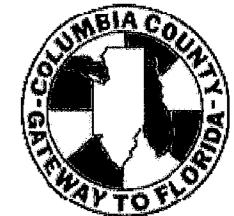
2
C5 **SILT FENCE DETAIL**
SCALE: N.T.S.



3
C5 **SILT FENCE DETAIL**
SCALE: N.T.S.

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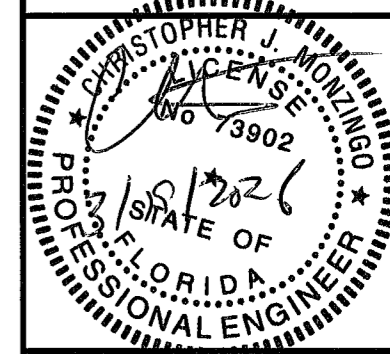
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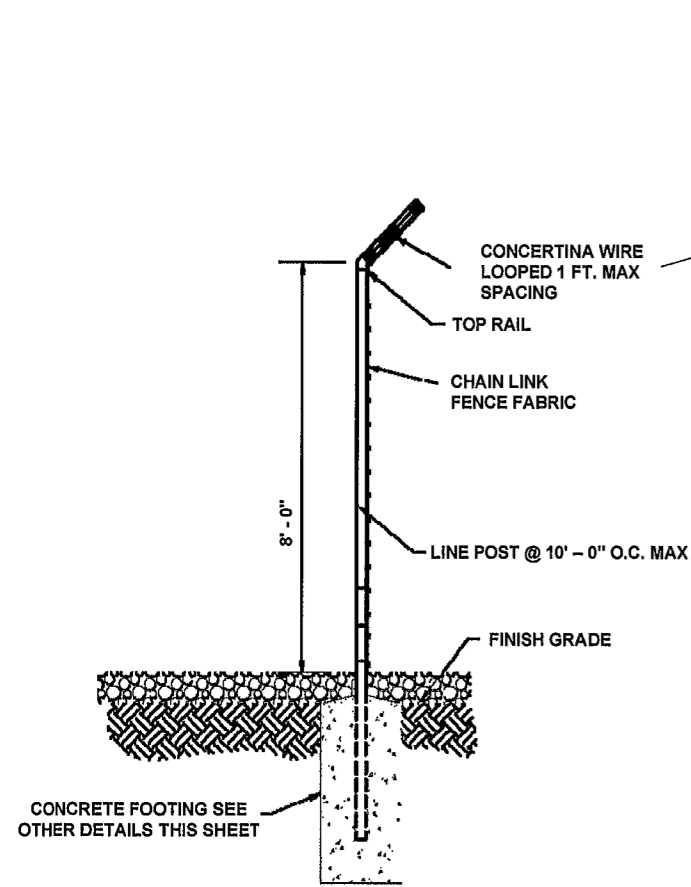


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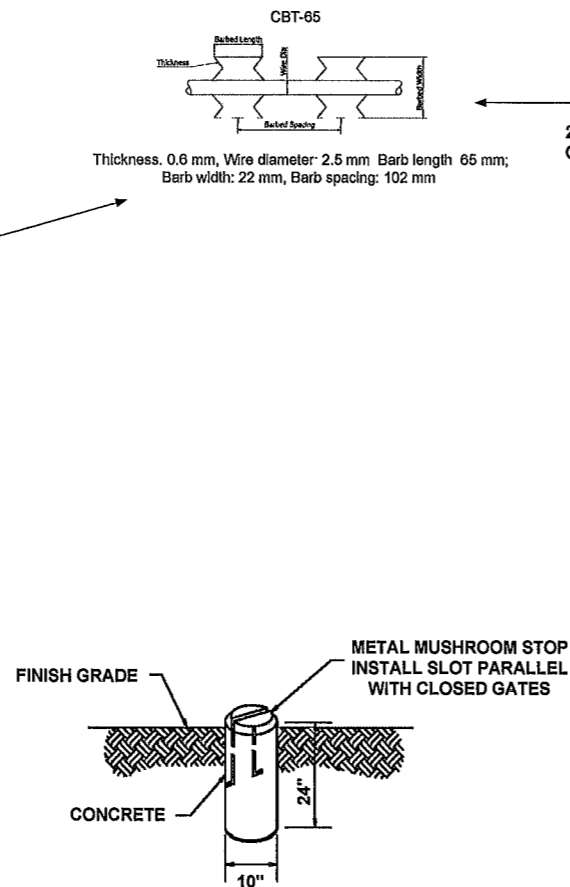
Erosion Control Details

Drawing Scale N/A

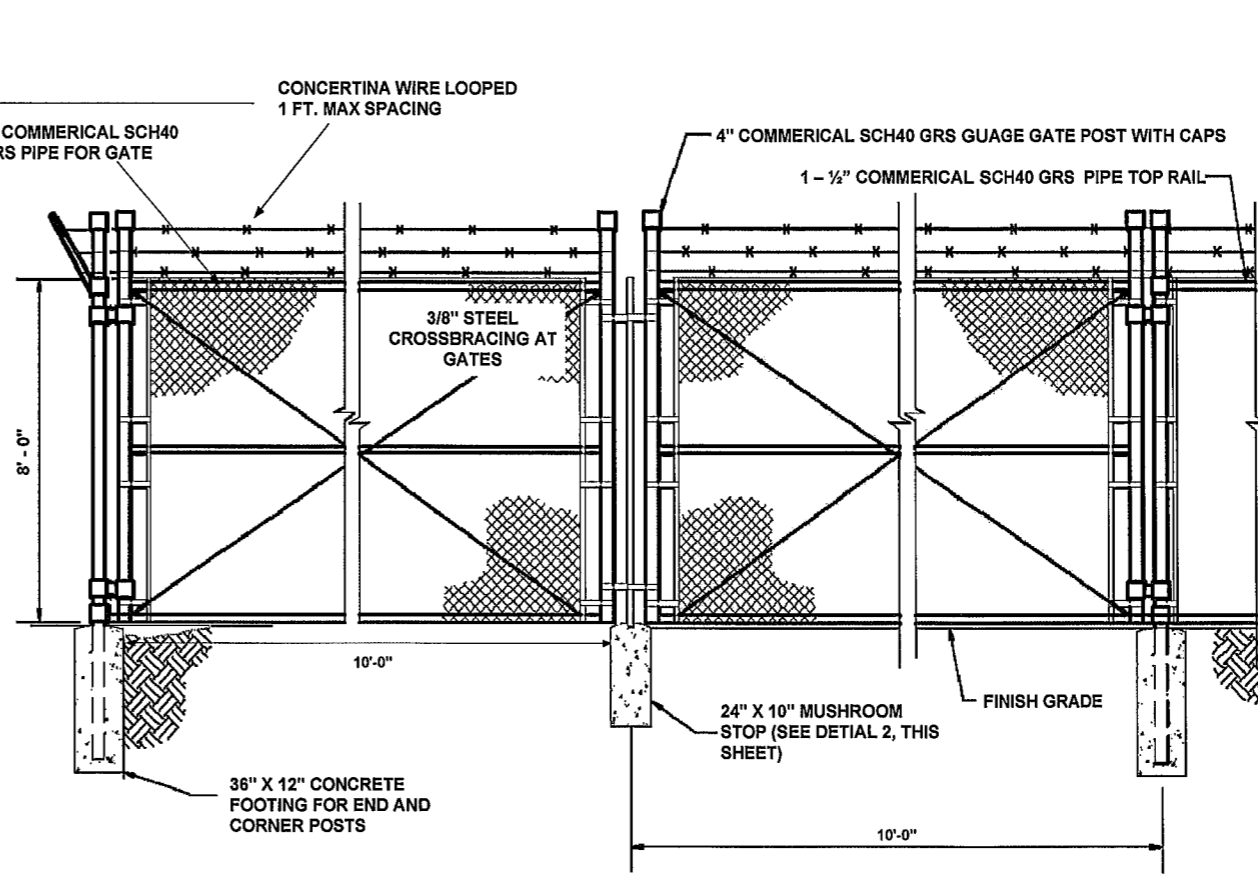
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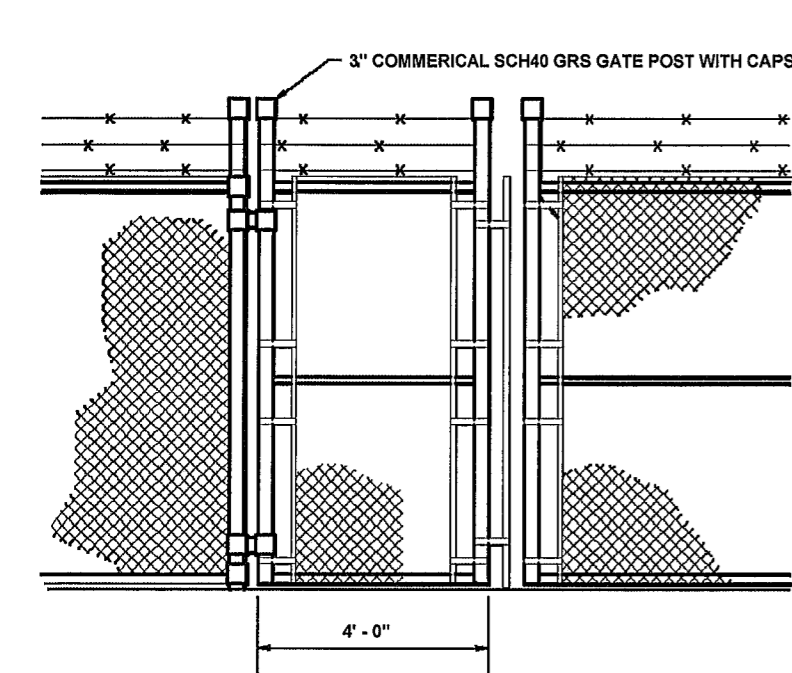
1
C6 FENCE/BARBED WIRE ARM DETAIL
SCALE: N.T.S.



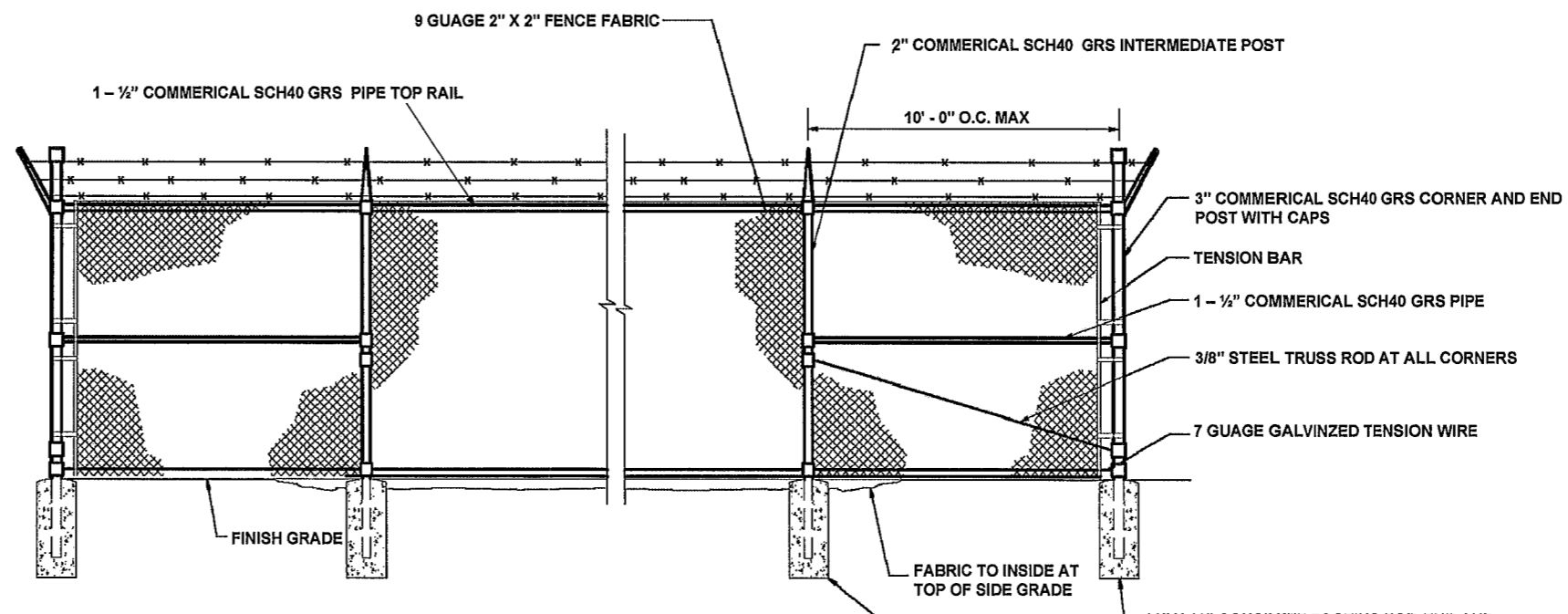
2
C6 MUSHROOM STOP
SCALE: N.T.S.



3
C6 DRIVE GATE ELEVATION
SCALE: N.T.S.



4
C6 MAN GATE ELEVATION
SCALE: N.T.S.



5
C6 FENCE DETAIL AND ELEVATION
SCALE: N.T.S.

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Revisions of Drawings

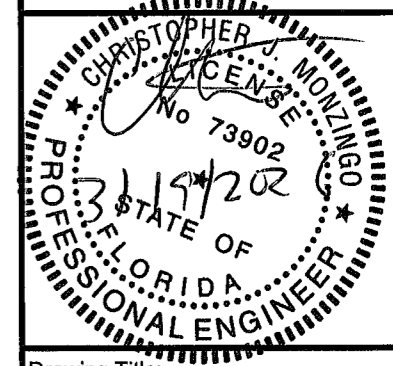
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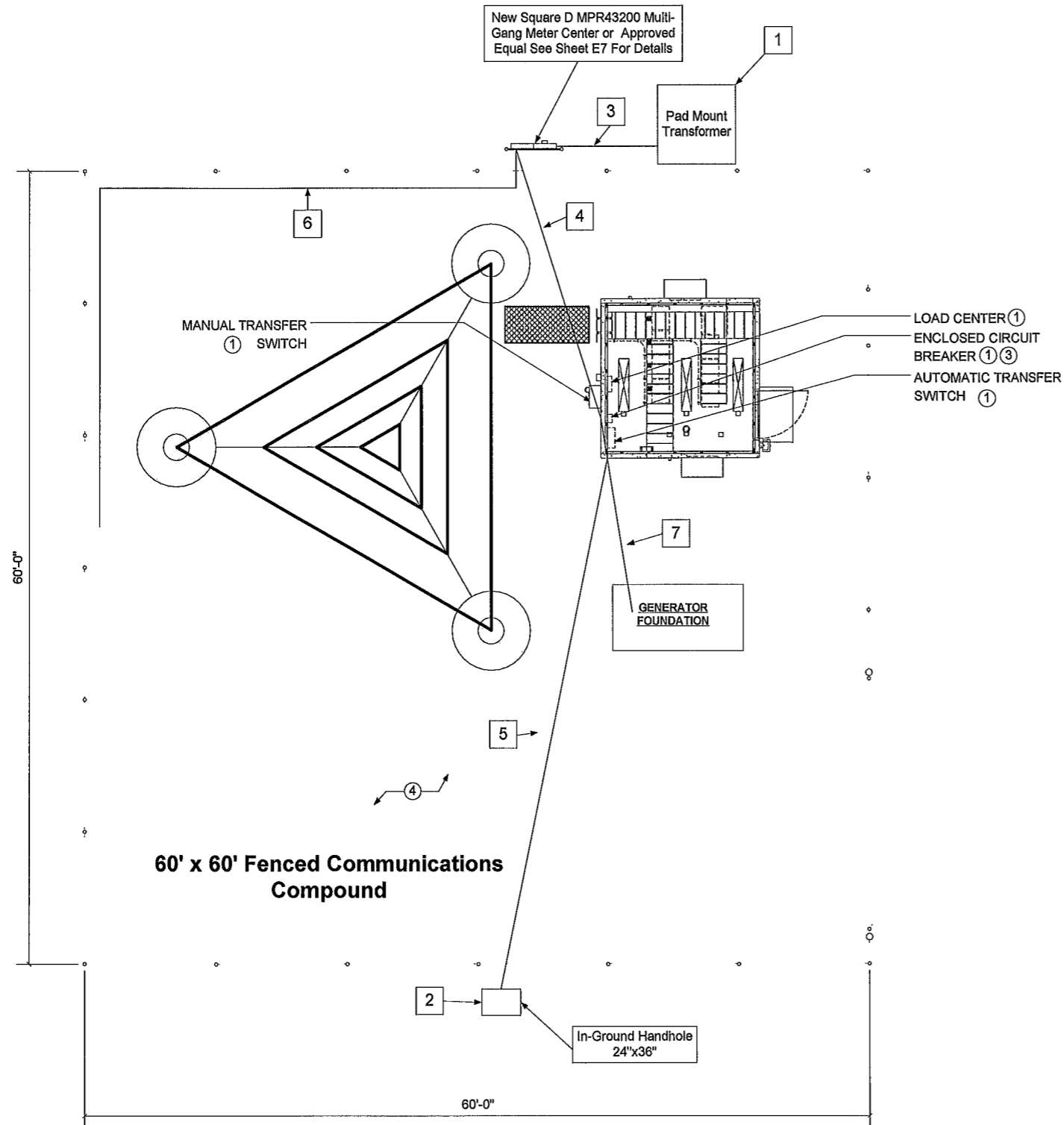


Drawing Title:

Fence Details

Drawing Scale: N/A

Sheet No C6



UNERGROUND CONDUIT SCHEDULE

- 1 (1) 3" directional bore conduits to TBD for power utilities with mule tape
- 2 *FUTURE*(2) 3" directional bore conduits to US HWY 41 for communications utilities
- 3 (2) 2" schedule 80 PVC from new H-Frame to Pad Mount Location each with (3) #3/0 THHN Cooper Conductors
- 4 (1) 2" schedule 80 PVC to service entrance point on shelter with (3) #3/0 & (1) #2 THHN Cooper Conductors
- 5 (2) 3" schedule 80 PVC to telco entrance point on shelter with mule tape, use long sweep radius 90s
- 6 (2) 2" schedule 80 PVC future use conduits capped, buried below grade and marked.
- 7 See Sheet E6 for details of required conduits and wiring for **customer supplied generator**

FLAG NOTES THIS SHEET:

- 1 ELECTRICAL/TELCO DISTRIBUTION EQUIPMENT PROVIDED WITH EQUIPMENT SHELTER.
- 2 NOT USED
- 3 SERVICE ENTRANCE RATED ENCLOSED CIRCUIT BREAKER (FURNISHED WITH SHELTER) REFER TO SHEET E6 FOR ADDITIONAL INFORMATION
- 4 ANY DEVIATIONS FROM THE WIRING/CONDUIT WORK SHOWN DUE TO A PARTICULAR MANUFACTURER'S REQUIREMENTS SHALL BE MADE AT NO COST TO OWNER SEAL ALL UNUSED EQUIPMENT SHELTER PENETRATIONS



Revisions of Drawings

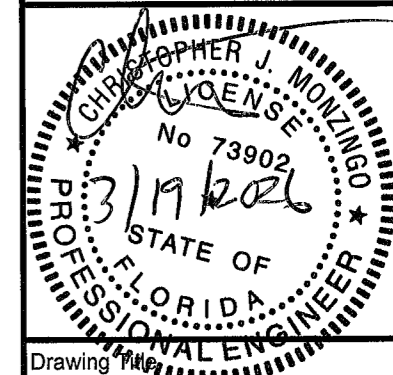
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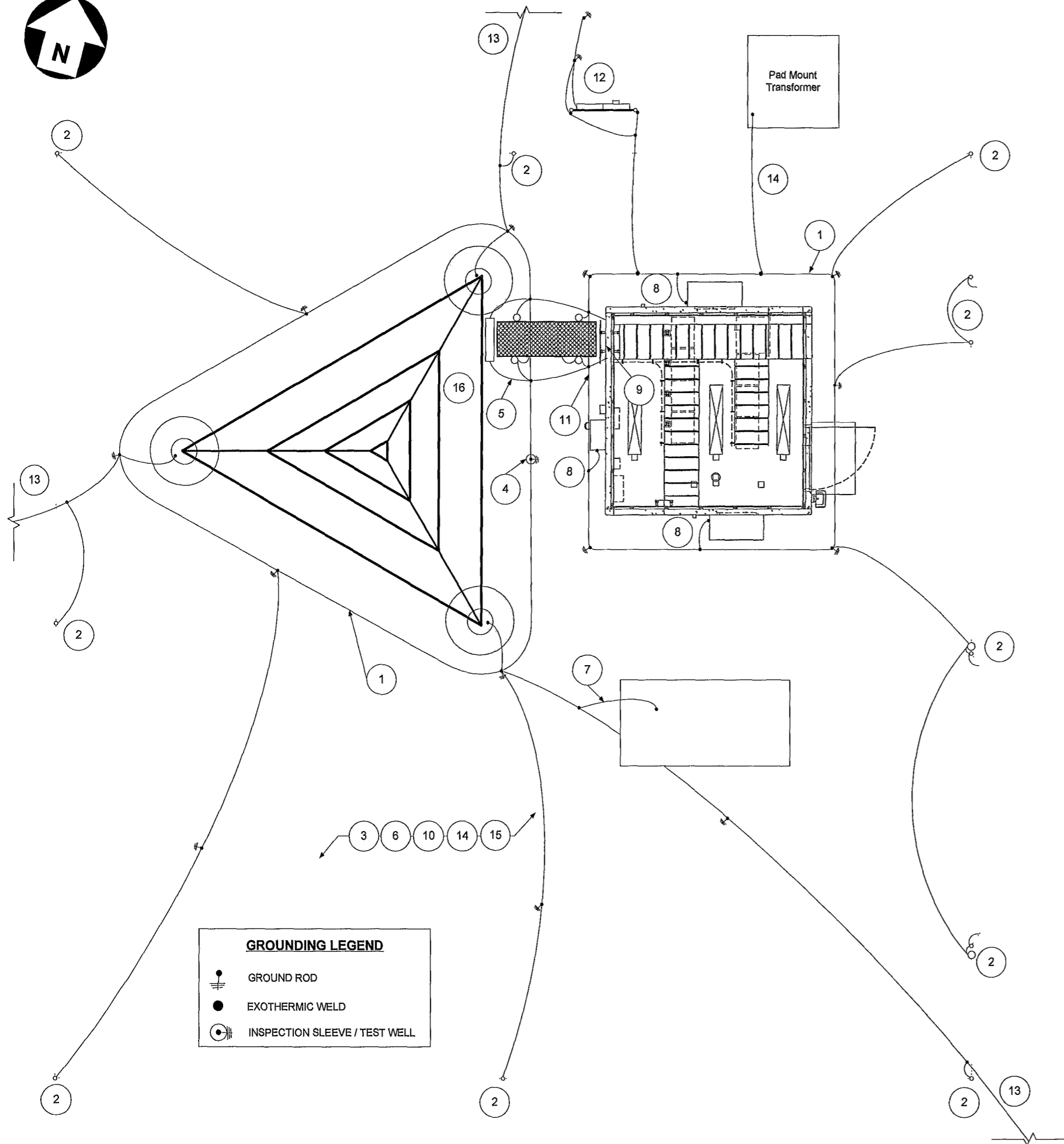


Drawing Title

Electrical Site Plan

Drawing Scale 1" = 5'

Sheet No E1



FLAG NOTES THIS SHEET:

XX

- 1 PROVIDE A #2/0 AWG BARE STRANDED TINNED COPPER GROUND RING ALL EXTERIOR GROUNDING CONDUCTORS SHALL BE BURIED A MINIMUM OF 30" BELOW GRADE THE GROUND RING SHALL BE INSTALLED 36" AWAY FROM FOUNDATIONS WHERE REQUIRED DUE TO SOIL CONDITIONS AND THE PRESENCE OF ROCK, THE ROUTING OF THE GROUND RING MAY BE ADJUSTED WITH APPROVAL FROM THE OWNER REPRESENTATIVE ALL BONDS TO THE BURIED GROUND RING SHALL BE WITH EXOTHERMIC WELDS.
- 2 BOND FENCE AND WAVEGUIDE POSTS TO BURIED GROUND RING EXOTHERMICALLY WELD A #2/0 AWG BARE STRANDED TINNED COPPER GROUND CONDUCTOR TO THE FENCE POST AT 12" ABOVE GRADE AND BOND TO THE BURIED GROUND RING PROVIDE CONDUCTOR LENGTH AS REQUIRED TO MAKE CONNECTION BOND FENCE POST TO FENCE GATE AS SHOWN USING A WELDING CABLE GROUNDING STRAP (IF APPLICABLE) SEE DETAILS 1/E5 AND 2/E5.
- 3 REFER TO SHEET E3, E4, E5, E6 AND E7 FOR ADDITIONAL GROUNDING REQUIREMENTS
- 4 PROVIDE 6" DIAMETER PVC INSPECTION SLEEVE WITH WATERTIGHT REMOVABLE COVER IN LOCATION SHOWN SEE GROUND ROD INSPECTION WELL DETAIL 2/E4, FOR TYPICAL GROUND RING INSPECTION SLEEVE NOTE INSPECTION SLEEVE CAN BE USED AS A TEST WELL FOR GROUND WATER LEVEL INSPECTION AND GROUND RESISTANCE TESTING
- 5 INSTALL GROUNDING CONDUCTORS FROM THE BURIED GROUND RING FOR CONNECTION TO THE GROUND BAR AT BOTTOM OF TOWER VERIFY EXACT LOCATION OF TOWER GROUND BAR AND PROPER CONDUCTOR LENGTH EXOTHERMICALLY WELD (2) #2/0 AWG BARE STRANDED TINNED COPPER GROUNDING CONDUCTORS (LENGTH AS REQUIRED) TO THE GROUND BAR GROUNDING CONDUCTORS MUST BE HELD AWAY FROM TOWER BY USING STAND-OFFS OR ROUTING THE CONDUCTORS IN FLEXIBLE PVC CONDUIT COORDINATE LOCATION WITH OWNER CONSTRUCTION MANAGER. SEE TOWER GROUNDING DETAILS 1/E3 & 2/E3
- 6 INSTALL 1/2" X 20'-0" LONG COPPERCLAD STEEL GROUND RODS SPACING BETWEEN RODS NOT TO EXCEED 40'-0" (NON-LINEAR) TYPICAL FOR ALL GROUND RODS SHOWN, UNLESS NOTED OTHERWISE SEE GROUND ROD INSPECTION WELL DETAIL 2/E4. IF ROCK IS ENCOUNTERED, GROUND ROD MAY BE INSTALLED WITH A MAXIMUM VARIATION OF 30 DEGREES FROM VERTICAL AND CONTRACTOR SHALL BE PREPARED TO CORE DRILL TO INSTALL GROUND RODS AND BACKFILL WITH GROUND ENHANCEMENT MATERIAL
- 7 BOND NEW GENERATOR FRAME GROUND CONDUCTOR TO EQUIPMENT SHELTER EXTERIOR GROUND RING AT GROUND ROD EXOTHERMICALLY WELD A #2/0 AWG BARE STRANDED TINNED COPPER GROUND CONDUCTOR TO GROUND ROD AND ATTACH TO GENERATOR FRAME USING COMPRESSION LUG
- 8 EXOTHERMICALLY WELD #2/0 AWG BARE STRANDED TINNED COPPER GROUND CONDUCTORS FOR EXTERNAL METAL OBJECTS MOUNTED ON SHELTER TO EQUIPMENT SHELTER GROUND RING
- 9 BOND SHELTER GROUNDING SYSTEM (SEE DETAIL 1/E4) TO SHELTER BURIED GROUND RING
- 10 SYSTEM GROUND RESISTANCE SHALL NOT EXCEED 10 OHMS A FALL-OF-POTENTIAL TEST SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH OWNER SPECIFICATIONS
 - PERFORM THREE TESTS AT EACH SITE
 - CONTRACTOR SHALL PROVIDE A WRITTEN REPORT ON FORMS PROVIDED WITHIN THE OWNER SPECIFICATION CONSISTING OF THE FOLLOWING SITE NAME, ADDRESS, AND IDENTIFICATION NUMBER, DESCRIPTION OF SITE SOIL AND MOISTURE CONDITION, DESCRIPTION OF WEATHER, MODEL NUMBER OF TESTING EQUIPMENT, DATE OF LAST CALIBRATION, SITE SKETCH SHOWING LOCATION OF TEST PROBES, AND ALL FIELD DATA COLLECTED (READINGS, RANGE, TEST, MILLIAMPS, ETC).
 - CONTRACTOR SHALL NOTIFY THE OWNER REPRESENTATIVE IF THERE ARE ANY DIFFICULTIES PERFORMING SYSTEM RESISTANCE TESTS OR IF MEASUREMENTS ARE ABOVE 10 OHMS THE OWNER REPRESENTATIVE SHALL PROVIDE INSTRUCTION TO THE CONTRACTOR TO INSTALL ADDITIONAL GROUNDING MEASURES TO MEET THE 10 OHM REQUIREMENT
- 11 BOND EQUIPMENT SHELTER GROUND RING TO TOWER GROUND RING WITH #2/0 AWG BARE STRANDED TINNED GROUND CONDUCTOR TYPICAL FOR TWO LOCATIONS
- 12 EXOTHERMICALLY WELD #2 AWG SOLID BARE COPPER ELECTRICAL SERVICE GROUND ELECTRODE CONDUCTOR TO GROUND ROD WHERE SHOWN ON PLANS, AND MECHANICALLY BOND USING COMPRESSION LUG AS REQUIRED TO METER GROUND BUS SEE SHEET E7 FOR DETAILS
- 13 PROVIDE #2/0 AWG STRANDED BARE TINNED COPPER CONDUCTOR FOR AT LEAST 80'-0" INSTALL 1/2" X 20'-0" LONG COPPERCLAD STEEL GROUND RODS AT 40'-0" INTERVALS ALL BONDS TO THE BURIED GROUND RING SHALL BE WITH EXOTHERMIC WELDS BACKFILL WITH TERRAFILL GROUND ENHANCEMENT MATERIAL OR APPROVED EQUAL
- 14 ALL METAL EQUIPMENT OUTSIDE OF THE BUILDING, WITHIN 6'-0" OF THE BUILDING AND/OR FENCED COMPOUND, SHALL BE BONDED TO THE NEAREST PRACTICAL LOCATION ON THE GROUNDING ELECTRODE SYSTEM
- 15 ALL TRENCHES FOR BURIED GROUND CONDUCTORS SHALL BE HAVE GROUND ENHANCEMENT MATERIAL INSTALLED ALLTEC TERRAFILL TF50 OR OWNER REPRESENTATIVE APPROVED EQUAL GROUND ENHANCEMENT MATERIAL SHALL BE INSTALLED PER THE MANUFACTURERS RECOMMENDATIONS
- 16 INSTALL NEW TOWER TOP LIGHTING ROD AND HOMERUN GROUNDING CONDUCTOR SEE DETAIL 4 ON E4



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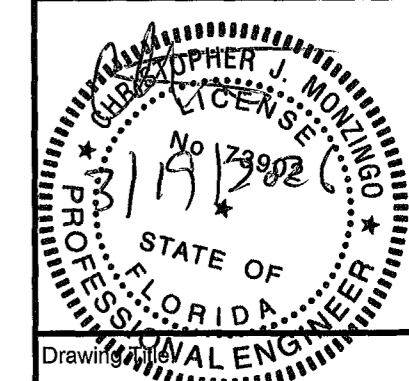
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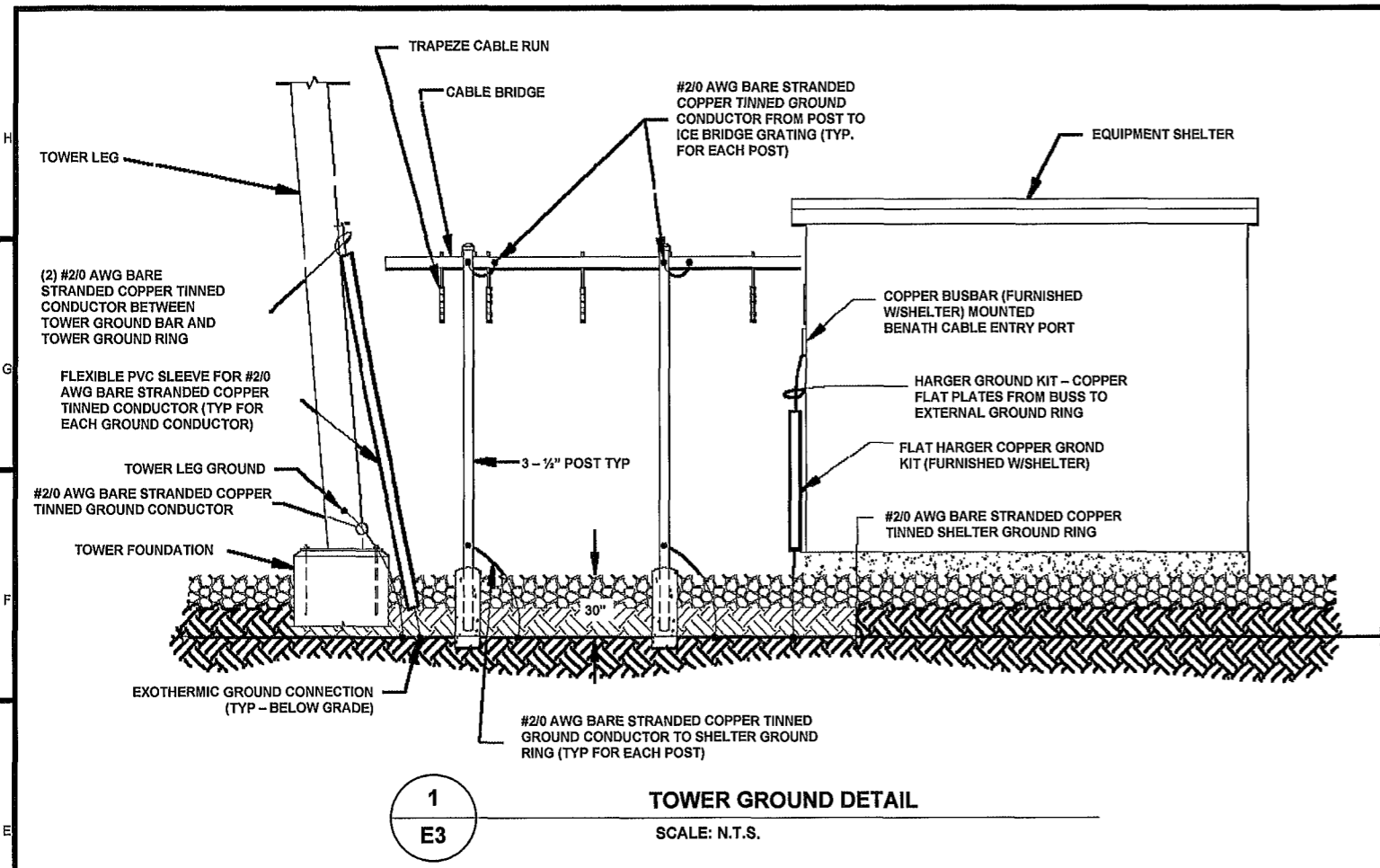
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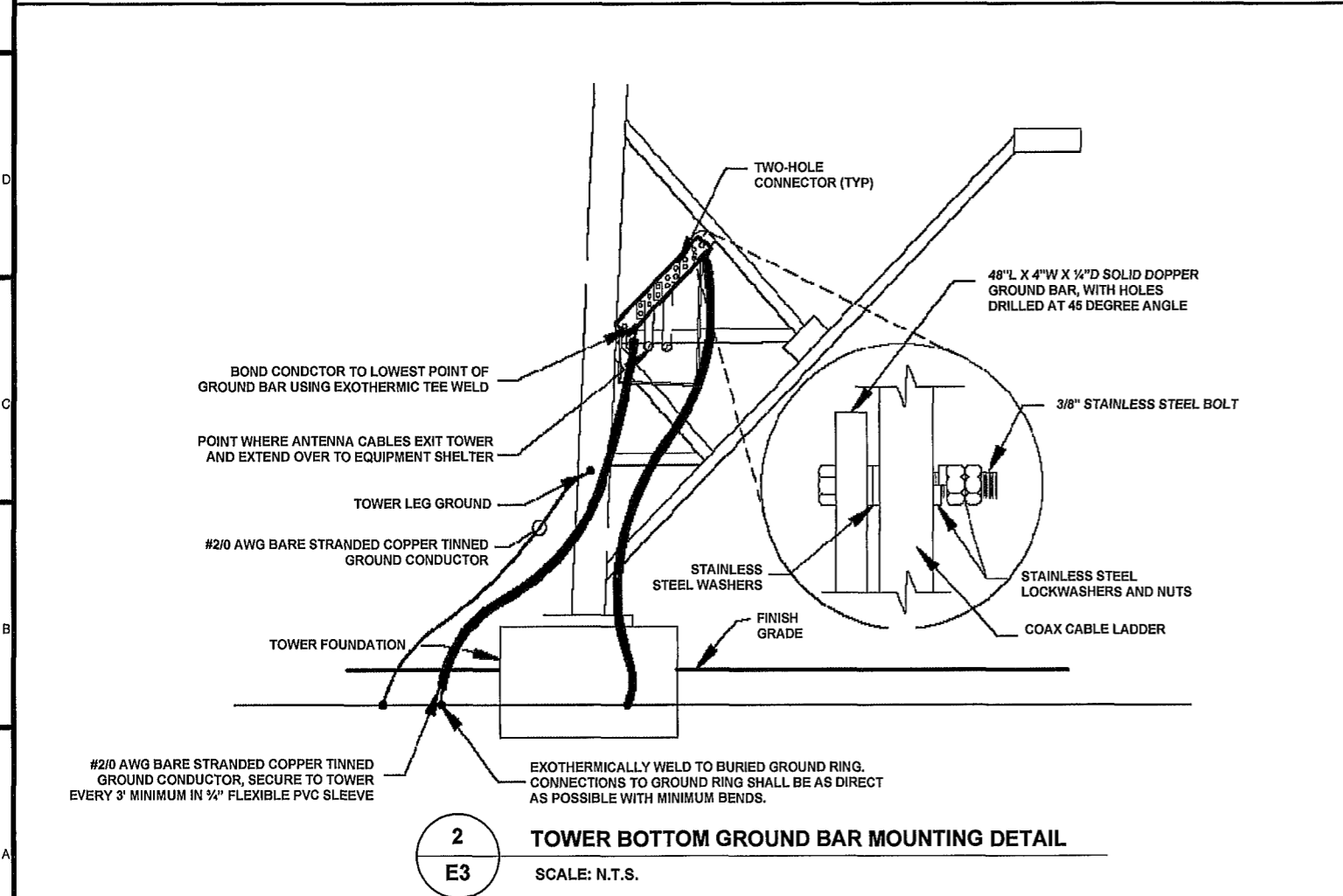
Site Grounding

Drawing Scale NTS

Sheet No E2



1
E3 **TOWER GROUND DETAIL**
SCALE: N.T.S.



2
E3 **TOWER BOTTOM GROUND BAR MOUNTING DETAIL**
SCALE: N.T.S.

- GENERAL GROUNDING NOTES:**
- ALL GROUNDING CABLE IN CONCRETE OR THROUGH WALLS SHALL BE IN 1/2" PVC CONDUIT NO METALLIC CONDUIT SHALL BE USED FOR GROUNDING CONDUCTOR SLEEVES
 - GROUND ALL EXPOSED METALLIC OBJECTS ON MULTI-TENANT METER/TELCO CENTER USING A TWO-HOLE NEMA DRILLED CONNECTOR SUCH AS THOMAS & BETTS #32207 OR APPROVED EQUAL
 - THE CONTRACTOR SHALL NOTIFY THE OWNER REPRESENTATIVE WHEN THE BELOW GROUND GROUNDING SYSTEM IS INSTALLED SO THAT THE REPRESENTATIVE CAN INSPECT ALL WORK BEFORE IT IS CONCEALED
 - ALL EXTERIOR GROUNDING CONDUCTORS INCLUDING GROUND RING SHALL BE #2/0 AWG BARE STRANDED COPPER TINNED (UNLESS NOTED OTHERWISE) MAKE ALL GROUND CONNECTIONS AS SHORT AND DIRECT AS POSSIBLE AVOID SHARP BENDS THE RADIUS OF ANY BEND SHALL NOT BE LESS THAN 8" AND THE INCLUSIVE ANGLE OF ANY BEND SHALL NOT EXCEED 90 DEGREES GROUNDING CONDUCTORS SHALL BE ROUTED DOWNWARD TOWARD THE BURIED GROUND RING
 - ALL BELOW GROUND EXTERNAL CONNECTIONS SHALL BE EXOTHERMICALLY WELDED ALL EXOTHERMIC WELDS TO BURIED GROUND RING SHALL BE THE PARALLEL-TYPE, EXCEPT FOR THE GROUND RODS WHICH ARE TEE-TYPE EXOTHERMIC WELDS REPAIR ALL GALVANIZED SURFACES THAT HAVE BEEN DAMAGED BY EXOTHERMIC WELDING USE SPRAY GALVANIZED SUCH AS HARGER CGS
 - WHERE MECHANICAL CONNECTORS (TWO-HOLE OR CLAMP) ARE USED, APPLY A LIBERAL PROTECTIVE COATING OF A CONDUCTIVE ANTI-OXIDE COMPOUND ON ALL CONNECTORS PROVIDE LOCK WASHERS ON ALL MECHANICAL CONNECTORS USE STAINLESS STEEL HARDWARE THROUGHOUT THOROUGHLY REMOVE ALL PAINT AND CLEAN ALL DIRT FROM SURFACES REQUIRING GROUND CONNECTORS, REPAINT TO MATCH EXISTING AFTER CONNECTION IS MADE TO MAINTAIN CORROSION RESISTANCE ALL GROUND CONNECTIONS SHALL BE APPROVED FOR THE TYPES OF METALS BEING ATTACHED TO
 - THE CONTRACTOR SHALL COORDINATE AS REQUIRED WITH THE OWNER REPRESENTATIVE TO TEST THE FULLY INSTALLED AND COMPLETE GROUND SYSTEM PRIOR TO CONNECTION TO THE UTILITY NEUTRAL, FENCE POST, TOWER LEGS, INTERNAL COMMUNICATIONS SHELTER GROUND SYSTEM AND ANY OTHER ABOVE GROUND OBJECTS THE CONTRACTOR SHALL PROVIDE NOTICE TO THE OWNER REPRESENTATIVE FIVE DAYS PRIOR TO FINAL TESTING
 - A RESISTANCE TO GROUND OF (10) OHMS OR LESS IS REQUIRED FOR ALL OWNER SITES THE CONTRACTOR SHOULD RETAIN HIS OWN TESTER AT HIS OWN EXPENSE SCHEDULE FINAL MEGGER TEST SUCH THAT THE OWNER REPRESENTATIVE CAN BE PRESENT FOR FIELD VERIFICATION IF THE FINAL GROUNDING RESISTANCE MEASUREMENT EXCEEDS 10 (TEN) OHMS, THE CONTRACTOR SHALL NOTIFY THE OWNER REPRESENTATIVE.
 - ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL.
 - THE GROUND WIRES SHALL BE RUN STRAIGHT FOR MINIMUM INDUCTANCE AND VOLTAGE DROP SINCE CABLE BENDS INCREASE INDUCTANCE, THE MINIMUM REQUIRED BENDING RADIUS IS 8 INCHES WHEN BENDS ARE UNAVOIDABLE ALL METAL WORK WITHIN 6 FEET OF THE GROUND RING SHALL BE DIRECTLY BONDED TO THIS GROUND SYSTEM, WITHOUT USING SERIES OR DAISY CHAIN CONNECTION ARRANGEMENTS
 - PAINT, ENAMEL, LACQUER AND OTHER ELECTRICALLY NON-CONDUCTIVE COATINGS SHALL BE REMOVED FROM THREADS AND SURFACE AREAS WHERE CONNECTIONS ARE MADE TO ENSURE GOOD ELECTRICAL CONTINUITY
 - CONNECTIONS BETWEEN DISSIMILAR METALS SHALL NOT BE MADE UNLESS THE CONDUCTORS ARE SEPARATED BY A SUITABLE MATERIAL THAT IS A PART OF THE ATTACHMENT DEVICE ONLY ATTACHMENT DEVICES LISTED AND APPROVED FOR USE WITH THE SPECIFIC DISSIMILAR METALS MAY BE USED FOR THIS PURPOSE.
 - ALL BELOW GRADE GROUND SYSTEM CONDUCTORS SHALL BE A MINIMUM DEPTH OF 30" (OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER)

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Revisions of Drawings

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Issues of Drawings

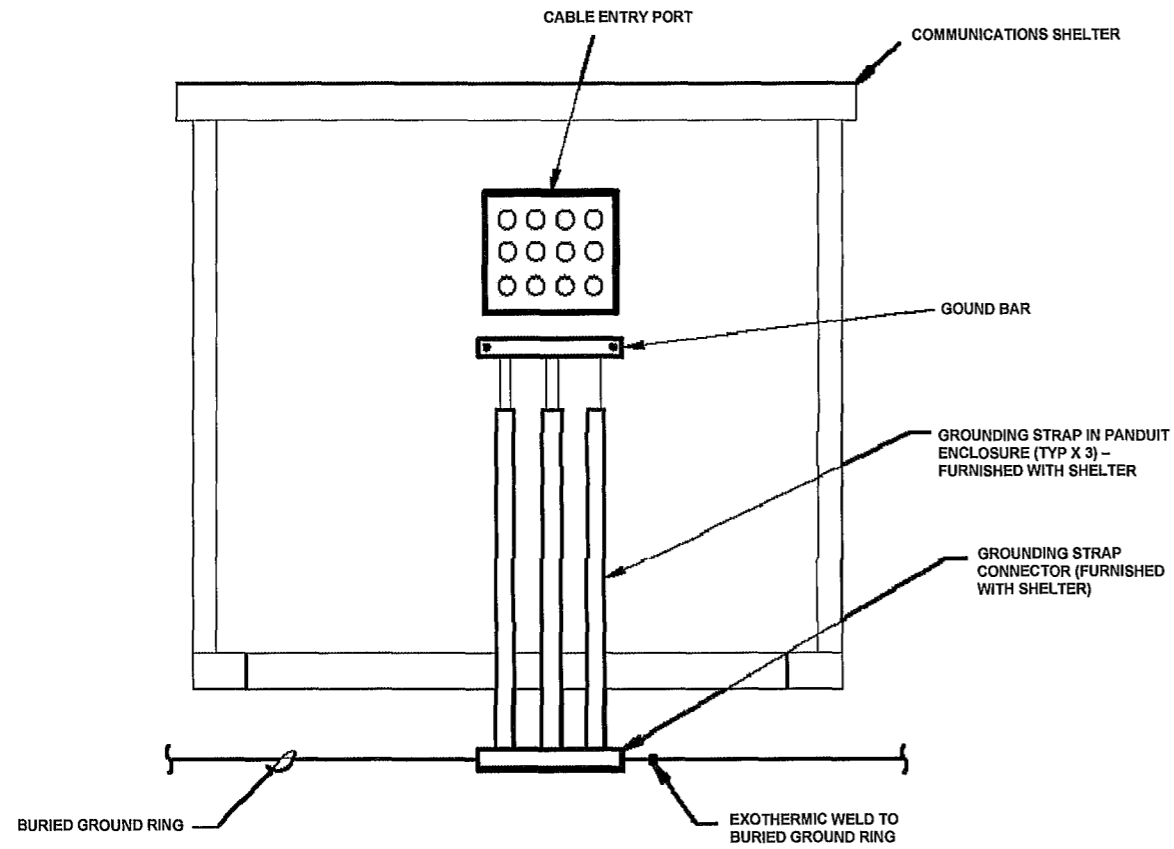
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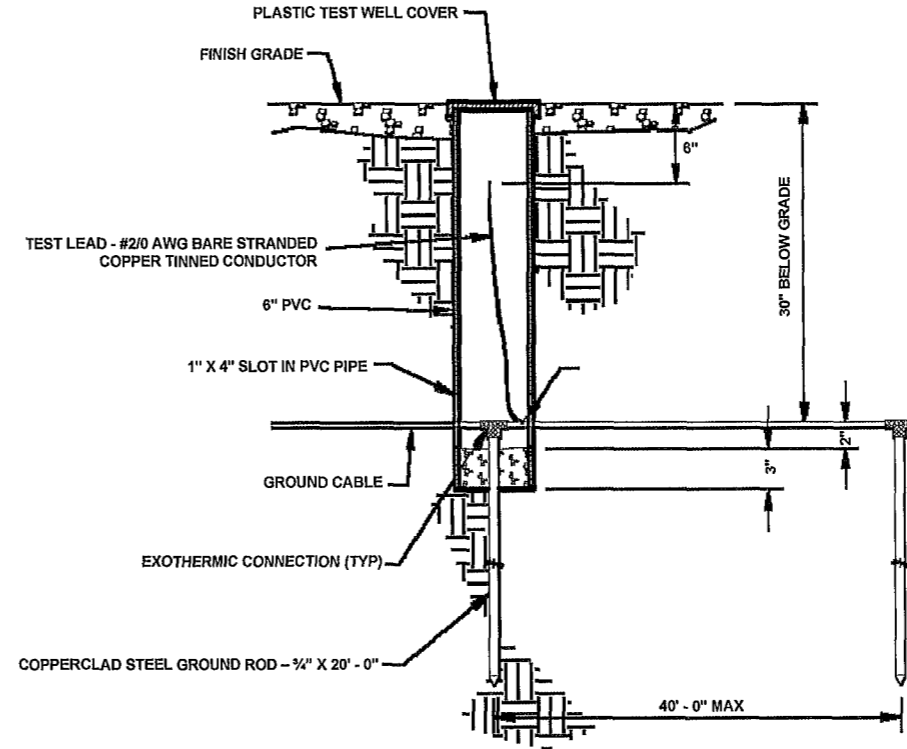
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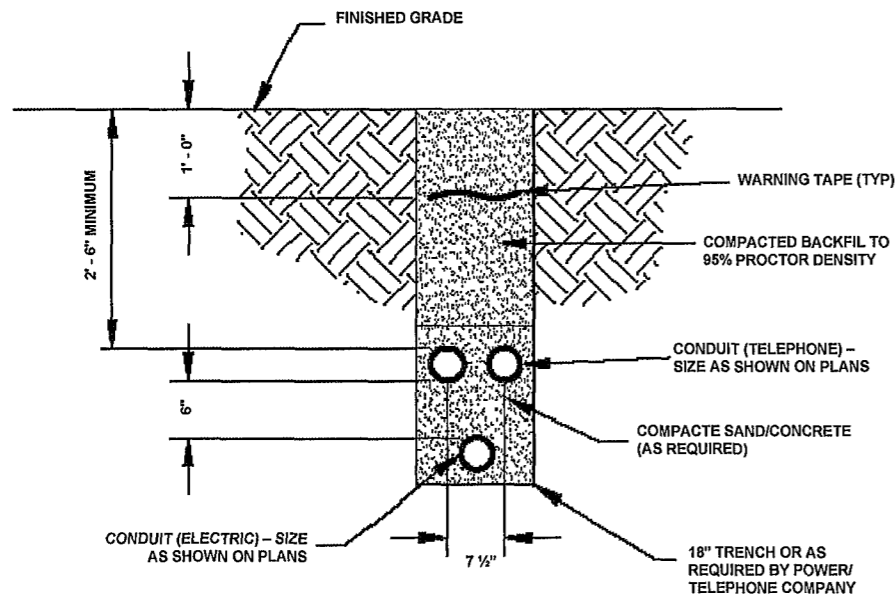
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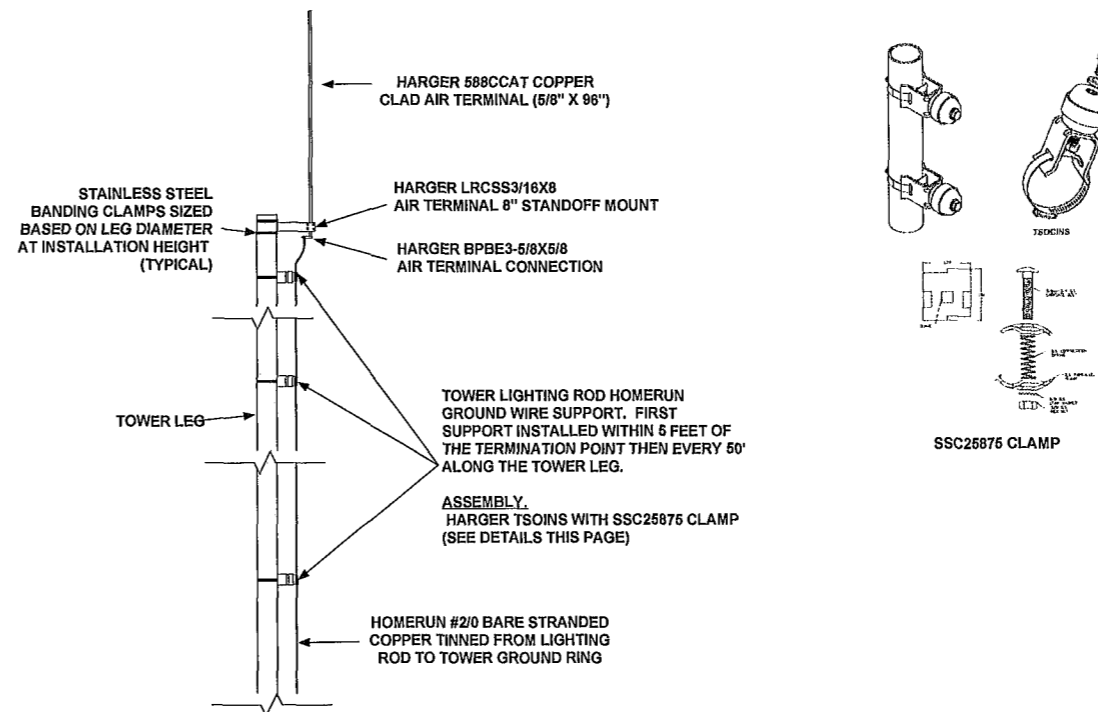
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SHELTER GROUND DETAIL
SCALE: N.T.S.



2
E4
GROUND ROD INSEPECTION WELL DETAIL
SCALE: N.T.S.



3
E4
UTILITIES TRENCHING DETAIL
SCALE: N.T.S.



4
E4
TOWER TOP LIGHTING ROD & HOMERUN CONDUCTOR
SCALE: N.T.S.

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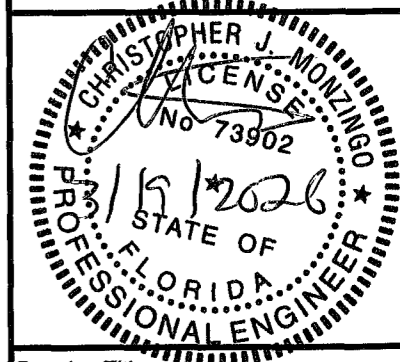
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Drawing Title

Grounding Details

Drawing Scale N/A

Sheet No. E4



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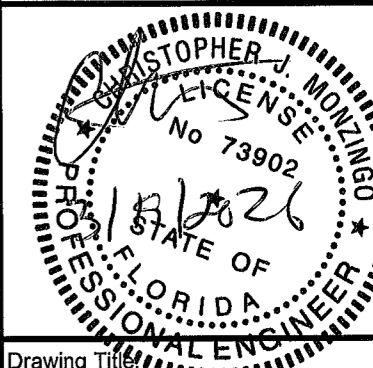
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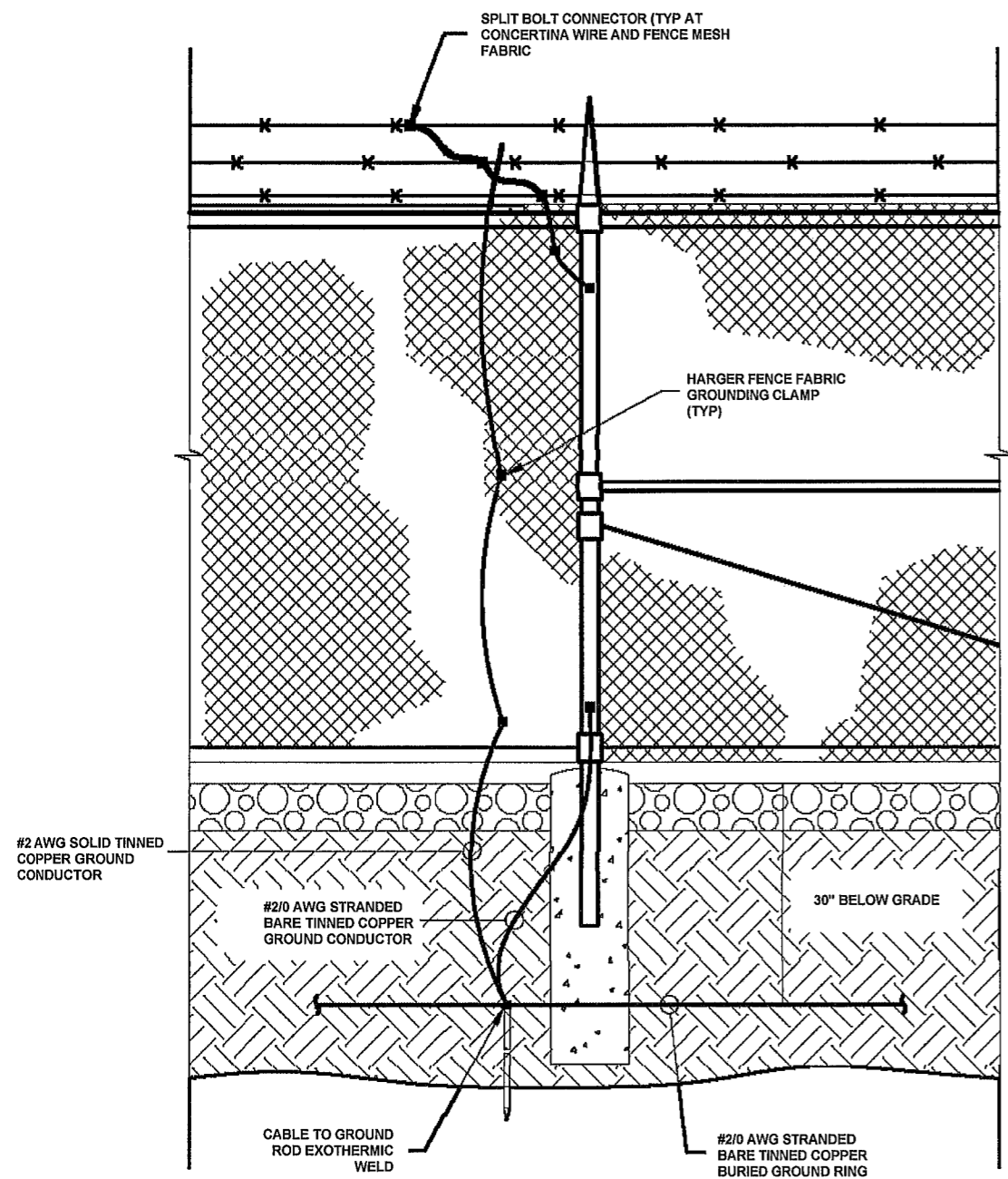


Drawing Title

Fence Ground Details

Drawing Scale NTS

Sheet No E5



VERTICAL FENCE POST BONDED TO GROUND RING

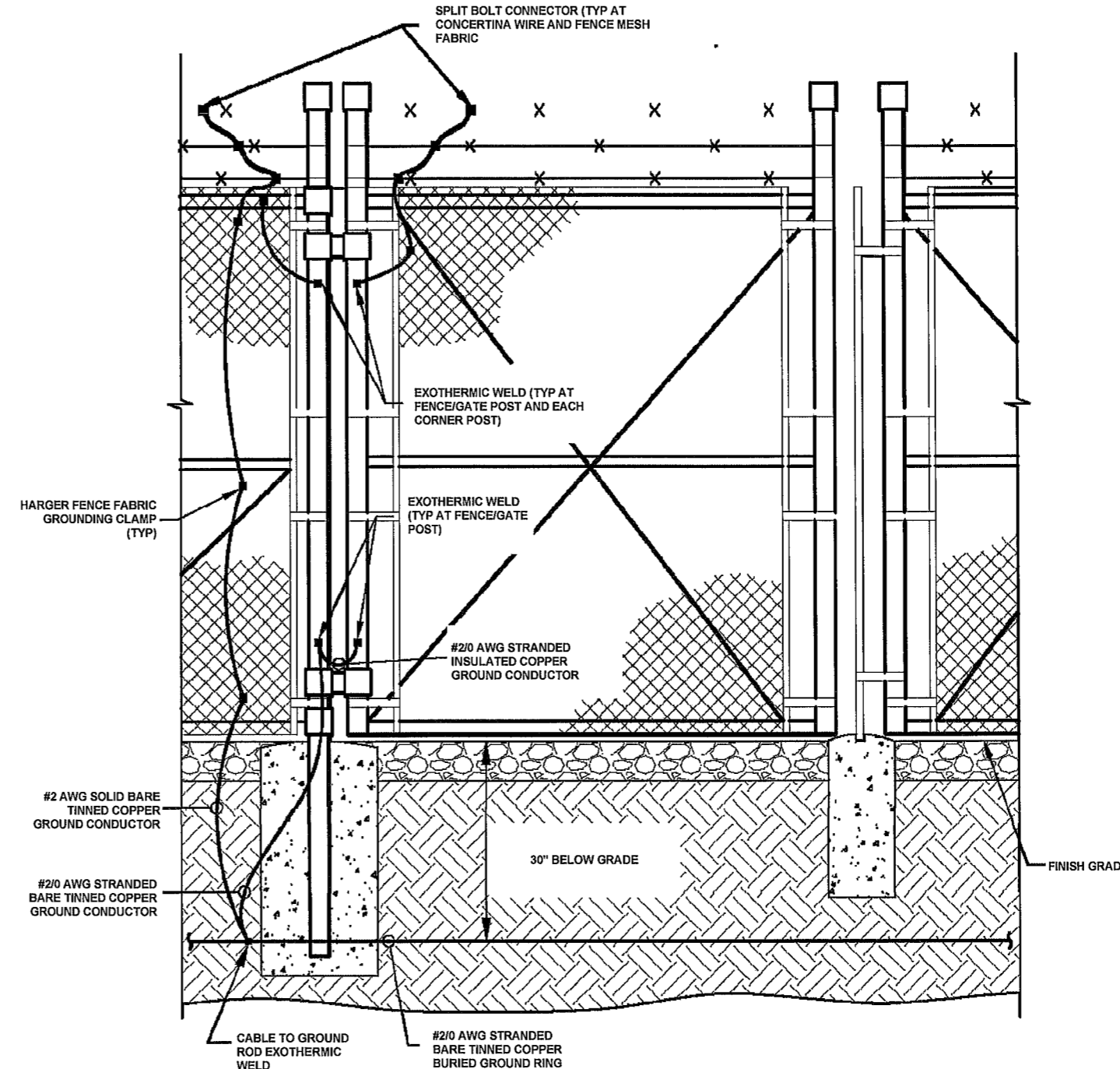
NOTES

- 1 VERTICAL POST SHALL BE BONDED TO THE GROUND RING AT EACH CORNER, CENTER AND AT EACH GATE POST AS A MINIMUM, ONE VERTICAL POST SHALL BE BONDED TO THE GROUND RING IN EVERY 100 FOOT OF STRAIGHT RUN OF FENCE
- 2 BOND EACH STRAND OF BARB WIRE TO EACH VERTICAL CORNER POST THAT IS BONDED TO THE EXTERIOR GROUND RING USING #2 AWG SOLID BARE TINNED COPPER CONDUCTORS
- 3 ALL SITE FENCING WITHIN 6 FT. OF THE GROUNDING ELECTRODE SYSTEM, OR ANY OBJECT GROUNDED TO THE GROUNDING ELECTRODE SYSTEM, SHALL BE BONDED TO THE EXTERNAL ELECTRODE SYSTEM
- 4 FENCE FABRIC AND BARBED WIRE TO BE BONDED USING #2 AWG SOLID BARE TINNED COPPER CONDUCTORS

1
E5

FENCE GROUNDING DETAIL

SCALE: N.T.S.



VERTICAL FENCE/GATE POST BONDED TO GROUND RING

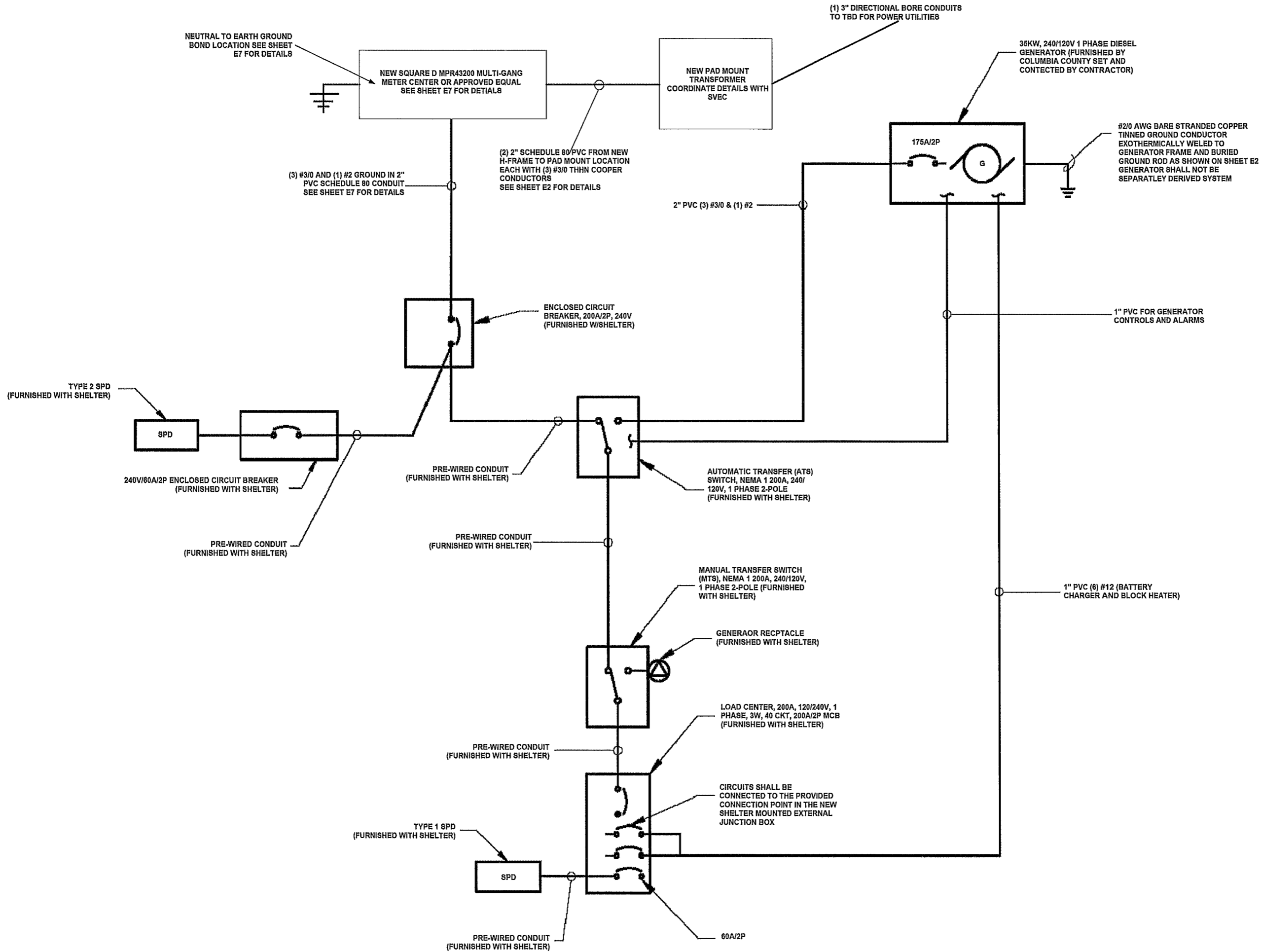
NOTES

- 1 EACH CORNER AND CENTER FENCE POST SHALL BE BONDED TO THE NEAREST LOCATION OF THE BUILDING GROUND RING USING #2/0 AWG STRANDED BARE TINNED COPPER CONDUCTORS THE GROUNDING CONDUCTORS SHALL BE BURIED TO THE SAME DEPTH AS THE BUILDING GROUND RING.
- 2 THE FENCE FABRIC NEAR EACH CORNER BONDING POINT SHALL BE BONDED TO THE BUILDING GROUND RING THE FENCE FABRIC BOND SHALL BE MADE AT LEAST THREE FEET DOWN THE FENCE FABRIC USING #2 AWG SOLID BARE TINNED COPPER CONDUCTORS
- 3 ALL GATE POSTS SHALL BE BONDED TO THE NEAREST LOCATION OF THE BUILDING GROUND RING USING #2/0 AWG STRANDED BARE TINNED COPPER CONDUCTORS
- 4 FENCE FABRIC AND BARBED WIRE TO BE BONDED USING #2 AWG SOLID BARE TINNED COPPER CONDUCTORS.

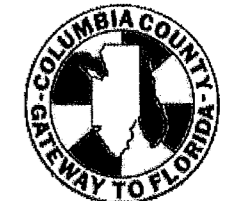
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GATE GROUNDING DETAIL

SCALE: N.T.S.



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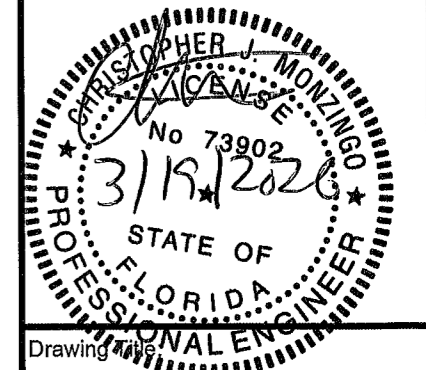
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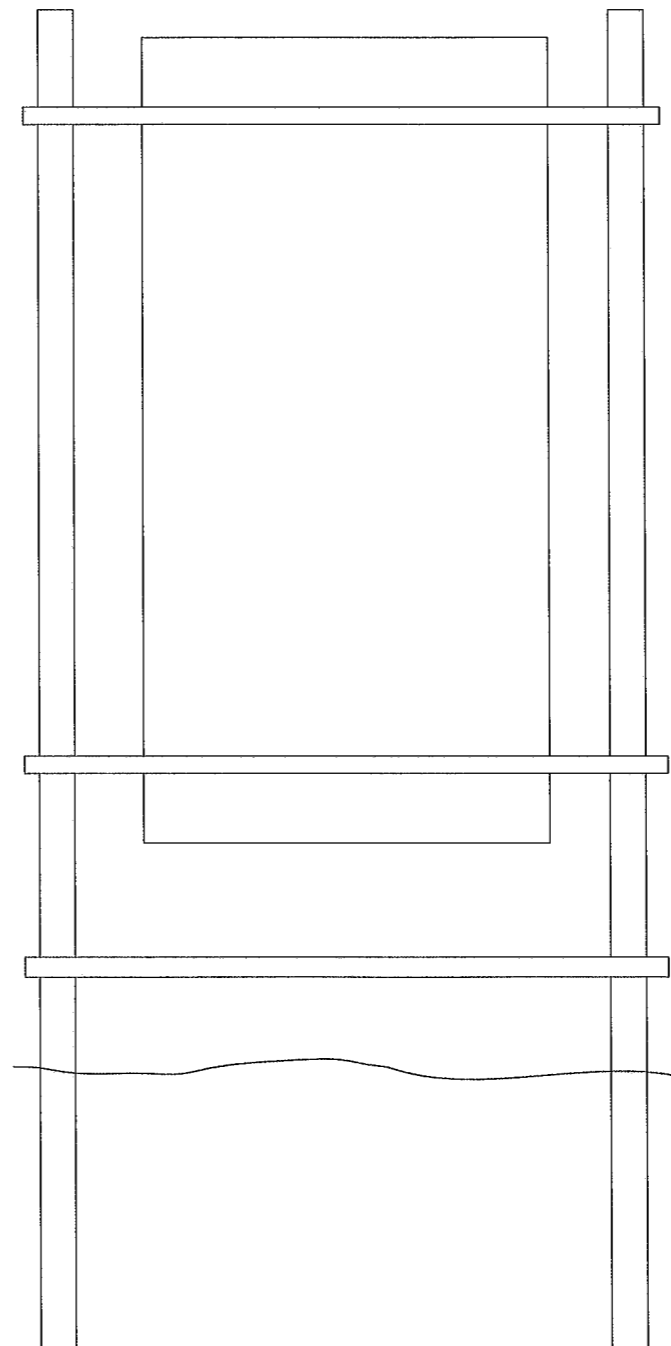
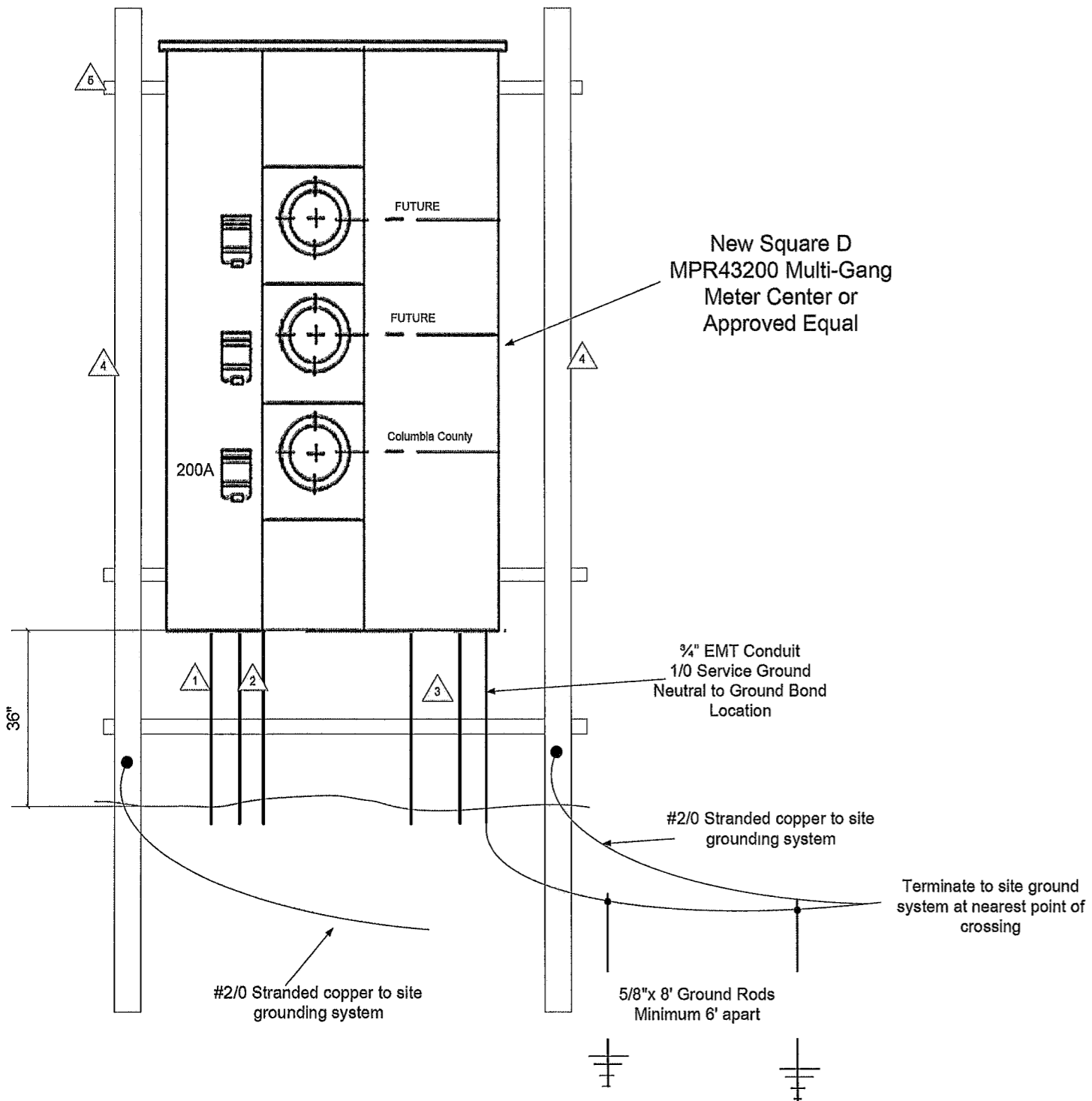
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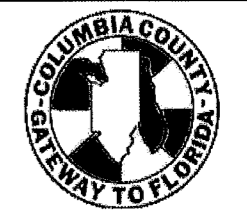
Sheet No **E6**

GENERAL NOTES:

- 1 (1) 2" Schedule 80 PVC with (3) 3/0 THHN and (1) #2 THHN Copper Stranded Conductors to equipment shelter service entrance point
- 2 (2) 2" Schedule 80 PVC stubbed up and capped off see site layout for location
- 3 (2) 2" Schedule 80 PVC with (3) #3/0 MCM THHN Copper Stranded Conductors to new pad mount transformer location (25' MAX)
- 4 New 3" Galvanized Rigid Conduit buried with 36" x 10" Concrete with rigid pipe caps
- 5 New 1 1/2" Galvanized Steel Unitstrut



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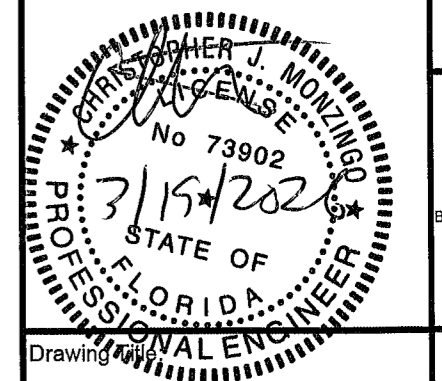
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Utility H-Frame Detail

Drawing Scale: N/A

Sheet No E7

7642

WHITE BACKGROUND WITH RED LETTERING E911 STREET NUMBER
TO BE MOUNTED ON COMPOUND ACCESS GATE
2' X 1' (9" BLOCK LETTERING)



Suwannee Valley Tower
7642 US-41
Lake City, FL 32055
386-623-3616

WHITE BACKGROUND WITH BLACK LETTERING
TO BE MOUNTED ON COMPOUND ACCESS GATE UNDER E911 STREET NUMBER
2' X 2' (9" BLOCK LETTERING)

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INFORMATION

FEDERAL COMMUNICATIONS COMMISSION
TOWER REGISTRATION NUMBER

FCC # 1330902

POSTED IN ACCORDANCE WITH FEDERAL COMMUNICATIONS
COMMISSION RULES ON ANTENNA TOWER REGISTRATION 47CFR 17.4 (g)

WHITE/GREEN BACKGROUND WITH BLOCK LETTERING
TO BE MOUNTED ON COMPOUND ACCESS GATE
2' X 3'

Revisions of Drawings

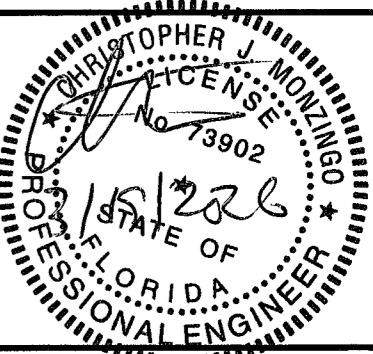
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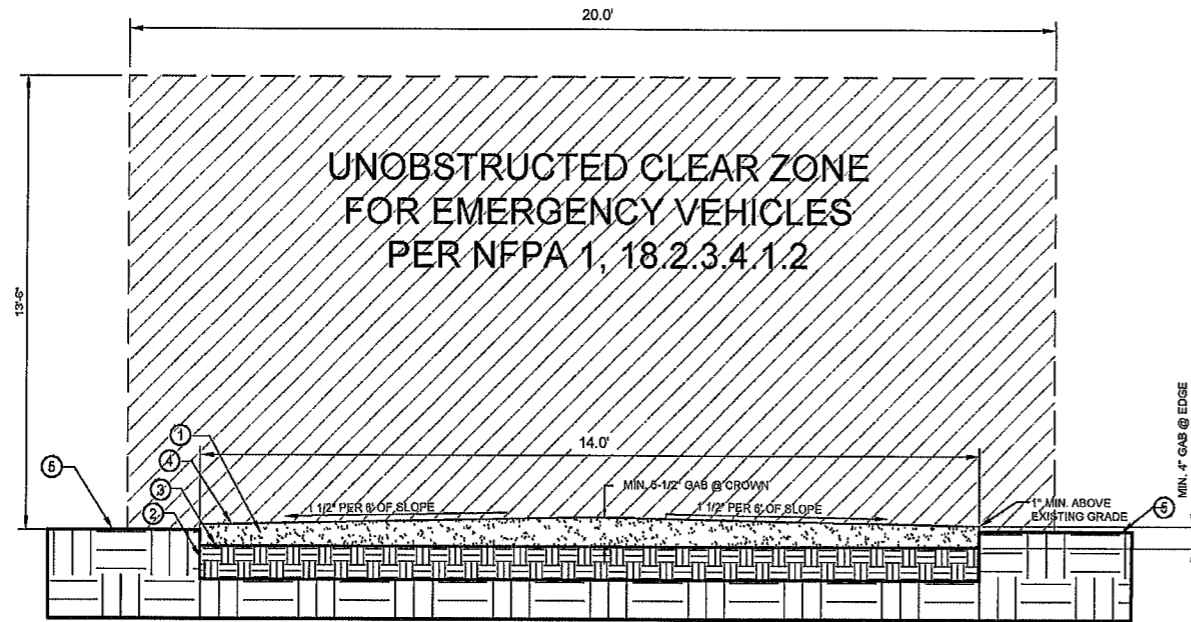
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Signage

Drawing Scale N/A

Sheet No M1

ACCESS ROAD CROSS SECTION DETAIL
(NTS)



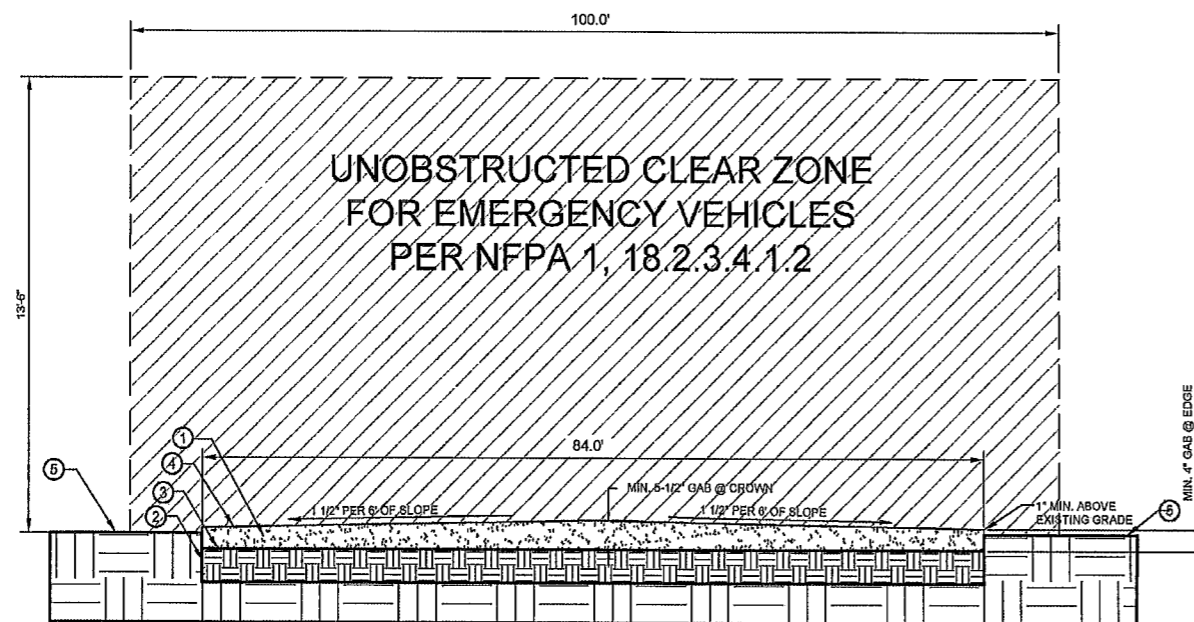
ACCESS ROAD:

- If it is determined that the existing access road does not meet these minimum requirements then the access road shall be upgraded to meet these minimum standards
- 1 Contractor shall ensure that all stumps, roots, leaves etc. have been removed from the road base area
- 2 Level and compact subgrade to 95% compaction
- 3 Install geotextile fabric (and/or other stabilization method) over subgrade on all roads.
- 4 Install minimum 4" graded aggregate base (GAB/Crusher run) with 5-12" at crown GAB shall have a 1-1/2" to 6' slope from crown. All GAB shall be compacted to 95% compaction at a maximum dry density as determined by ASTM d-1557 or within plus minus 3% of optimum moisture content
- 5 Existing grade

Access road and Turn Around Area must comply with these standards

- Vertical Clearance Fire Department Access Road:
NFPA 1, 18.2.3.4.1.2 Fire Department access roads shall have and unobstructed vertical clearance of not less than 13ft 6 in (4.1M)
- Driving Surface Fire Department Access Road
NFPA 1, 18.2.3.4.2 Fire Department access roads shall be designed and maintained to support the imposed loads of fire apparatus and shall be provided with an all-weather driving surface.

TURN AROUND AREA CROSS SECTION DETAIL
(NTS)



TURN AROUND AREA:

- If it is determined that the existing turn around area does not meet these minimum requirements then the turn around area shall be upgraded to meet these minimum standards
- 1 Contractor shall ensure that all stumps, roots, leaves etc. have been removed from the road base area
- 2 Level and compact subgrade to 95% compaction
- 3 Install geotextile fabric (and/or other stabilization method) over subgrade on all roads
- 4 Install minimum 4" graded aggregate base (GAB/Crusher run) with 5-12" at crown GAB shall have a 1-1/2" to 6' slope from crown. All GAB shall be compacted to 95% compaction at a maximum dry density as determined by ASTM d-1557 or within plus minus 3% of optimum moisture content.
- 5 Existing grade



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Tallahassee, FL 32312
O: 850-212-4475
www.ocg-usa.com



Suwannee Valley Tower
Columbia County, FL
COMMUNICATIONS SITE DEVELOPMENT

Revisions of Drawings

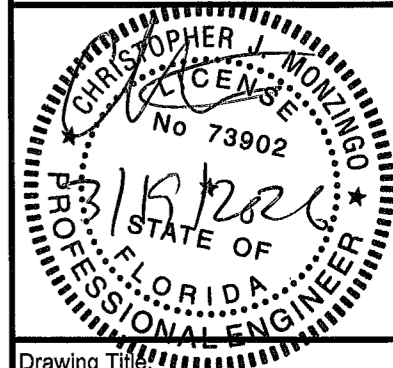
No	Date	Revisions
1		
2		
3		

Issues of Drawings

No	Date	Issues
1	3/04/2026	
2		
3		

Drawn CM

Sheet Size ARCH D



Drawing Title:

Fire Apparatus Access

Drawing Scale N/A

Sheet No M2



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Suwannee Valley Tower
Columbia County, FL
COMMUNICATIONS SITE DEVELOPMENT

Revisions of Drawings

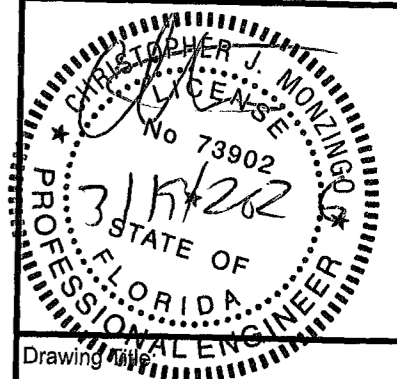
No.	Date	Revisions
1		
2		
3		

Issues of Drawings

No.	Date	Issues
1	3/04/2026	
2		
3		

Drawn: CM

Sheet Size: ARCH D

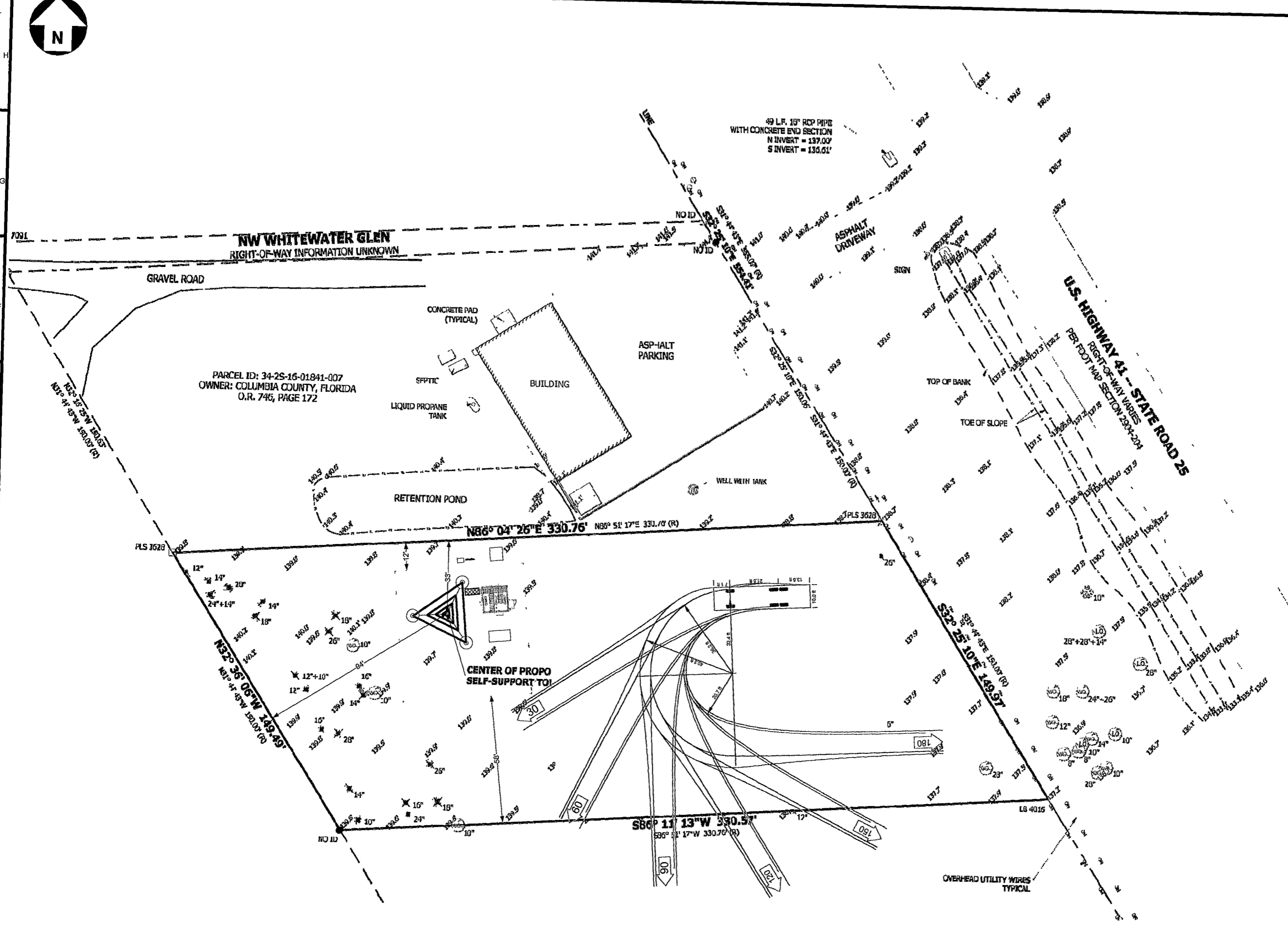


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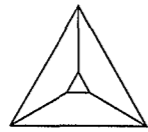
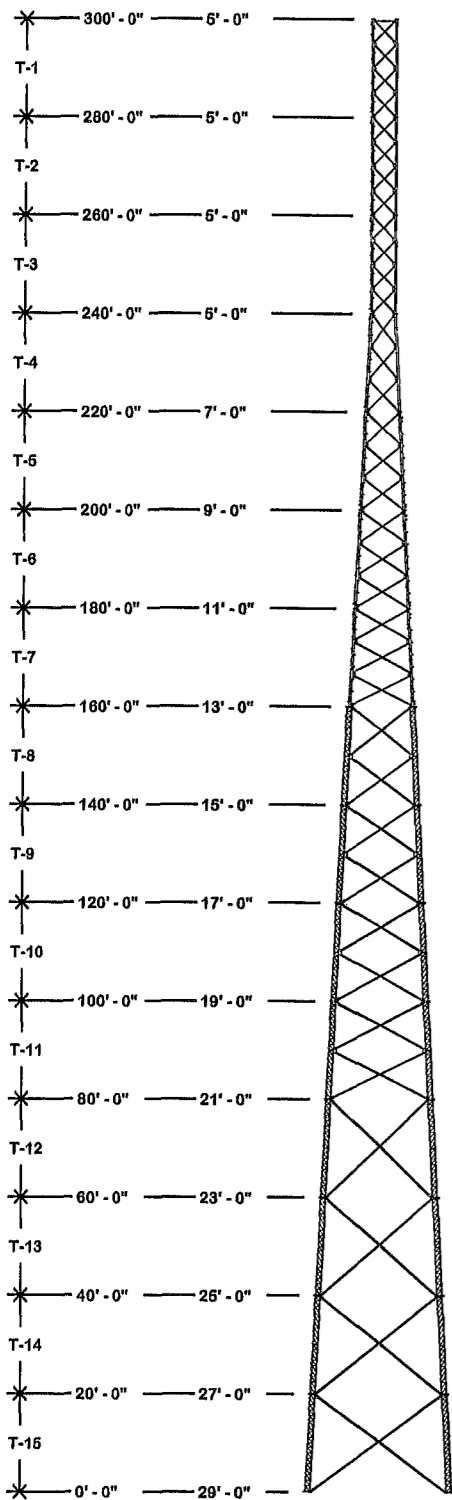
Fire Apparatus Turn Around

Drawing Scale 1" = 10'

Sheet No



7091
G
F
E
D
C
B
A



SEE PAGE 2 FOR APPURTENANCES

TOWER DESIGN CRITERIA

Design Standard: TIA-222-H*
 Design Wind Speeds: 127 mph (no ice) Vult per ASCE 7-22

Service Wind Speed: 80 mph (deflection only)
 Risk Category: III
 Exposure Category: C
 Topographic Category: 1
 Crest Height: 0 ft.
 Site Elevation: 139.5 (NAVD 88)

Latitude: 30.277783
 Longitude: -82.698769

MATERIAL STRENGTHS

Solid Rod A36 (rod dia. <3/4")
 A572 Gr.50 (3/4" thru 1" dia.)
 A572 Gr.58 (>1" dia.)
 Pipe A500 Gr.B (antenna pipes)
 A500 Gr.B/C (tower legs min. Fy 60 ksi)

Angle A572 Gr.50

Plate A572 Gr 50

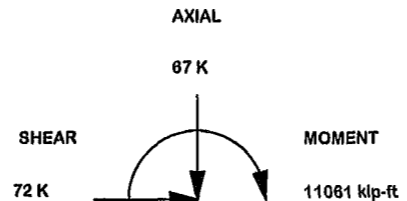
Bolts A-325/A-449 (leg & angle)

Anchor Bolt F1554 Grade 105 or A687

Finish: Tower & Hardware are hot dip galvanized

- ALL STRUCTURAL HARDWARE IS GALVANIZED IN ACCORDANCE WITH ASTM A-153 (HDG). TOWER SECTIONS & ASSOCIATED STRUCTURAL COMPONENTS ARE GALVANIZED IN ACCORDANCE WITH ASTM A-123 (HDG).
- ALL BOLTS & NUTS MUST BE IN PLACE BEFORE ADJOINING SECTION(S) ARE INSTALLED.
- ALL STRUCTURAL BOLTS ARE TO BE TIGHTENED TO A SNUG TIGHT CONDITION AS DEFINED BY AISC & RSCC SPECIFICATION FOR STRUCTURAL JOINTS UNLESS NOTED OTHERWISE.
- ALL WELDING TO CONFORM TO AWS D1.1 SPECIFICATION. 5/16" MINIMUM WELD SIZE UNLESS NOTED OTHERWISE.
- MATERIAL LABELED AS ASTM A-572 GR. 58 OR 68 KSI YIELD STRENGTH ALSO CONFORMS TO ASTM A-572 GR. 50.
- ANALYSIS PERFORMED USING STEEL GRADES LISTED UNDER MATERIALS STRENGTHS SHOWN ON THIS PAGE
- THIS DRAWING DOES NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, SEQUENCES AND PROCEDURES.
- THE CONTRACTOR MUST BE EXPERIENCED IN THE PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN.
- (VIBRATION DISCLAIMER) ALTHOUGH RARE, VIBRATIONS SEVERE ENOUGH TO CAUSE DAMAGE CAN OCCASIONALLY OCCUR IN STRUCTURES OF ALL TYPES, BECAUSE THEY ARE INFLUENCED BY MANY INTERACTING VARIABLES. VIBRATIONS ARE GENERALLY UNPREDICTABLE. THE USER'S MAINTENANCE PROGRAM SHOULD INCLUDE OBSERVATION FOR EXCESSIVE VIBRATION AND EXAMINATION FOR ANY STRUCTURAL DAMAGE OR BOLT LOOSENING. THE VALMONT WARRANTY SPECIFICALLY EXCLUDES FATIGUE FAILURE OR SIMILAR PHENOMENA RESULTING FROM INDUCED VIBRATION, HARMONIC OSCILLATION OR RESONANCE ASSOCIATED WITH MOVEMENT OF AIR CURRENTS AROUND THE PRODUCT.
- THE CONTRACTOR SHALL VERIFY MATERIALS TO BE FREE FROM FAULTS AND DEFECTS UPON ARRIVAL, AND IN CONFORMANCE WITH THE SUPPLIED DOCUMENTS. ALL SUBSTITUTIONS MUST BE DULY APPROVED AND AUTHORIZED IN WRITING BY VALMONT ENGINEERING PRIOR TO FABRICATION AND INSTALLATION. VALMONT IS NOT RESPONSIBLE FOR MATERIALS DAMAGED DURING UNLOADING OR CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN A CHECK OF TOWER PLUMBNESS DURING ALL PHASES OF CONSTRUCTION WORK. THE TOWER SHALL BE PLUMB WITHIN THE TOLERANCE SPECIFIED IN THE LATEST REVISION OF THE TIA - STANDARD. MEANS AND METHODS ARE FULL RESPONSIBILITY OF THE CONTRACTOR. AFTER COMPLETION OF THE TOWER ERECTION, WITH ALL JOINTS TIGHT, AND ALL APPURTENANCES INSTALLED, THE CONTRACTOR SHALL MAKE A FINAL CHECK OF TOWER PLUMBNESS. CONTRACTOR SHALL SUBMIT DOCUMENTS TO THE THIRD PARTY INSPECTOR APPOINTED BY THE TOWER OWNER AS REQUIRED.
- ANTENNAS, MOUNTS, MOUNT ACCESSORIES ETC. SHOULD NOT BE ATTACHED TO THE DIAGONALS SHOWN ON THIS DRAWING.

Maximum Base Reactions



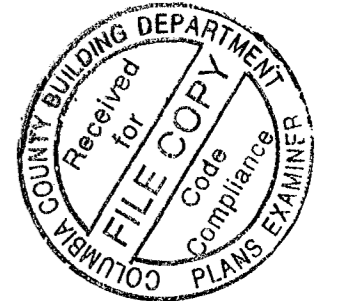
MAX. LEG REACTIONS:

DOWN: 463 K
 UPLIFT: -397 K
 SHEAR: 46 K

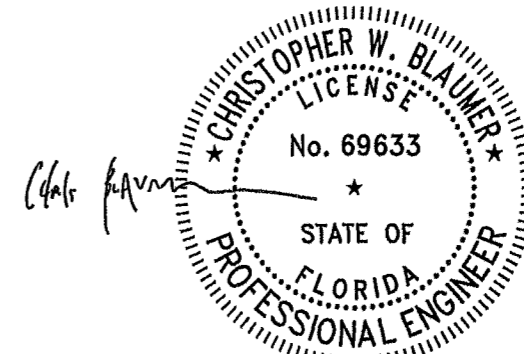
TORQUE 139 klp-ft
 REACTIONS 127 mph WIND (no ice)

*Factored Reactions provided per ANSI/TIA-222 Design Criteria & Load Combinations

TOWER COLUMN										
SECTION	ELEVATION	FACE WIDTH	PANELS	LEG SIZE	LEG STYLE	LEG BOLT QTY & DIA	DIAGONAL BRACING SIZE	HORIZONTAL BRACING SIZE	BRACING BOLT QTY & DIA	SECTION WEIGHT
T1	280' - 300'	6.0'	4	2.60"	V	4 x 3/4"	1/8" x 2" x 2"	3/16" x 2" x 2"	1 x 3/4"	933.62
T2	260' - 280'	6.0'	4	2.60"	V	4 x 3/4"	1/8" x 2" x 2"		1 x 3/4"	901.40
T3	240' - 260'	6.0'	4	3.00"	V	6 x 3/4"	3/16" x 2" x 2"		1 x 3/4"	1322.81
T4	220' - 240'	7.0'	3	5.00"	V	8 x 3/4"	3/16" x 2" x 2"		1 x 3/4"	1596.83
T5	200' - 220'	9.0'	3	5.00"	V	8 x 3/4"	3/16" x 2" x 2"		1 x 3/4"	1720.65
T6	180' - 200'	11.0'	3	6.00"	V	8 x 3/4"	3/16" x 3" x 3"		1 x 3/4"	2305.14
T7	160' - 180'	13.0'	3	6.00"	V	6 x 1"	3/16" x 2-1/2" x 2-1/2"		1 x 3/4"	2463.78
T8	140' - 160'	15.0'	2	1.60"	12BDFH	6 x 1"	3/16" x 3" x 3"		1 x 1"	2617.65
T9	120' - 140'	17.0'	2	1.75"	12BDFH	6 x 1 1/4"	1/4" x 3" x 3"		1 x 1"	3390.45
T10	100' - 120'	19.0'	2	1.75"	12BDFH	6 x 1 1/4"	5/16" x 3" x 3"		1 x 1"	3793.41
T11	80' - 100'	21.0'	2	1.75"	12BDFH	6 x 1 1/4"	1/4" x 3-1/2" x 3-1/2"		1 x 1"	3854.91
T12	60' - 80'	23.0'	1	2.00"	12BDH2	12 x 1"	3/16" x 3" x 3"		1 x 7/8"	4176.54
T13	40' - 60'	25.0'	1	2.25"	12BDH2	12 x 1"	3/16" x 3" x 3"		1 x 7/8"	4826.73
T14	20' - 40'	27.0'	1	2.25"	12BDH2	12 x 1"	1/4" x 3" x 3"		1 x 7/8"	5367.15
T15	0' - 20'	29.0'	1	2.25"	12BDH2	4 x 1 1/2"	1/4" x 3-1/2" x 3-1/2"		1 x 7/8"	6040.86



2/20/2026



EXP. 2/28/2027

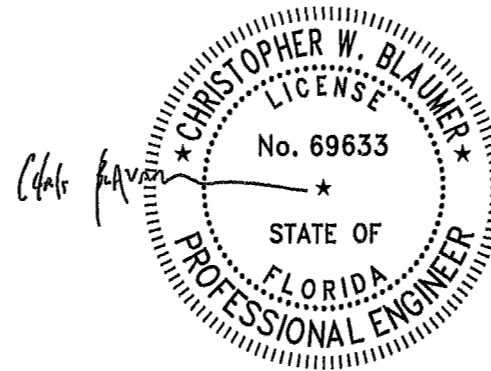
This item has been electronically signed and sealed by Christopher W. Blaimer on the date adjacent to the seal using a SHA authentication code.

Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

REV				DESCRIPTION OF REVISIONS				CPD	BY	DATE
REVISION HISTORY										
DRAWN BY KRC		APPROVED BY SAN		DESIGNED BY ES		APPROVED BY J_L		RELEASE DATE 2/17/2026		PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.
SITE SUWANNEE VALLEY TOWER, FL. FLORIDA TEL-CON, INC H 29 X 300'				DESCRIPTION Tower View Page 1				ENG. FILE NO. 617129		DWG. NO. 299701T PAGE 1 OF 17
COPYRIGHT 2022				valmont STRUCTURES				1-877-467-4763 Plymouth, IN 1-800-547-2161 Salem, OR		

DESIGNED APPURTENANCE LOADING	
TYPE	ELEVATION
(1) 21' LRE WITH 7'-6" LIGHTNING ROD (ARM=11.5')	300.0000'
(2) BEACON	300.0000'
(1) SC488-HF1SNF	300.0000'
(1) SC488-HF1SNF (FUTURE)	300.0000'
(1) TTA (12"X12"X6")	300.0000'
(1) TTA (12"X12"X6") (FUTURE)	300.0000'
(1) SP1 HS6D-K	298.0000'
(1) SP1 HS6D-K (FUTURE)	298.0000'
(1) DB224-A	276.0000'
(2) SC488-HF1SNF (FUTURE)	276.0000'
(1) SP1 HS6D-K	273.0000'
(2) SP1 HS6D-K (FUTURE)	273.0000'
(1) MW RADIO	260.0000'
(1) SP1 R5 (INCLUDES 4.5"X72" PIPE)	260.0000'
(1) SPD2-5.2 W/ RADOME ()	260.0000'
(2) SC488-HF1SNF (FUTURE)	260.0000'
(2) SP1 HS6D-K (FUTURE)	248.0000'
(1) DB224-A	220.0000'
(2) 2-1/2" X 8' SCH. 40 FACE TIE BACK PIPE	218.0000'
(1) SP1 HS6D-K	218.0000'
(3) 2-1/2" X 11' SCH. 40 FACE TIE BACK PIPE	180.0000'
(2) HP6-65 ()	180.0000'
(2) SP1 R5 (INCLUDES 4.5"X72" PIPE)	180.0000'
(2) MW RADIO	170.0000'
(2) SP1 R5 (INCLUDES 4.5"X72" PIPE)	170.0000'
(2) SPD2-5.2 W/ RADOME ()	170.0000'
(1) MARKER INTERFACE ENCLOSURE	150.0000'
(3) OB LIGHT	150.0000'
(3) 2-1/2" X 15' SCH. 40 FACE TIE BACK PIPE	145.0000'
(2) HP6-65 ()	145.0000'
(2) SP1 R5 (INCLUDES 4.5"X72" PIPE)	145.0000'

2/20/2026




EXP. 2/28/2027

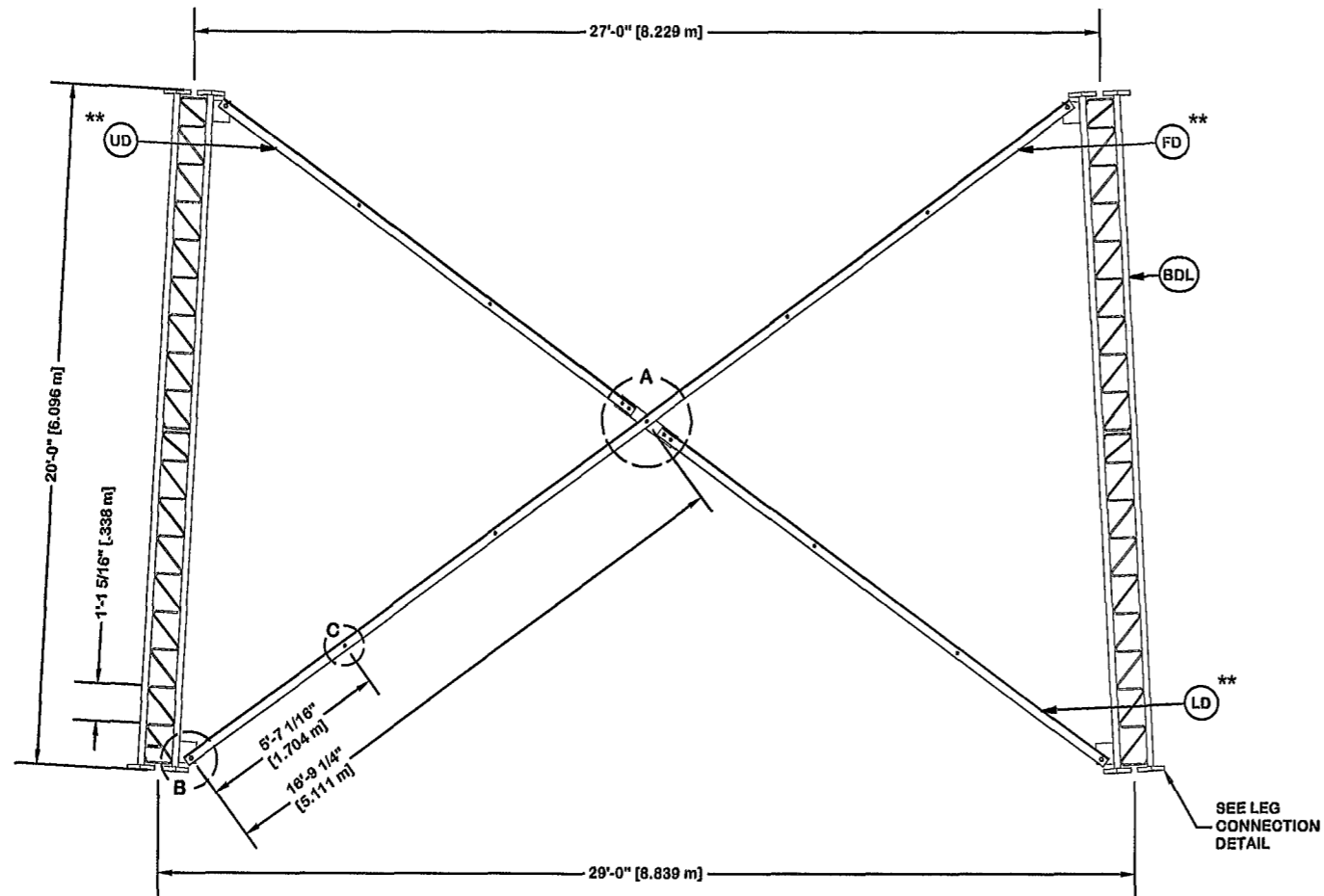
				SITE SUWANNEE VALLEY TOWER, FL. FLORIDA TEL-CON, INC H 29 X 300'		DESCRIPTION Tower View Page 2					
				COPYRIGHT 2022				1-877-467-4763 Plymouth, IN 1-800-547-2161 Salem, OR			
REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE	PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.		ENG. FILE NO. 617129		DWG. NO. 299701T		
REVISION HISTORY					RELEASE DATE 2/17/2026		PAGE 2 OF 17				
DRAWN BY KRC		APPROVED BY SAN		DESIGNED BY ES		APPROVED BY J_L					

ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

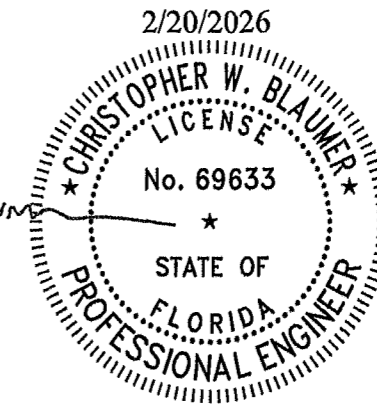
ORIENT ANGLES WITH STAMPED END TOWARD TOP OF SECTION

** DIAGONAL ANGLES MUST BE INSTALLED WITH THE NON-BOLTED FACE UP, 

* STITCH BOLT SPACING SHOWN
IS MAX. FOR ALL ANGLES

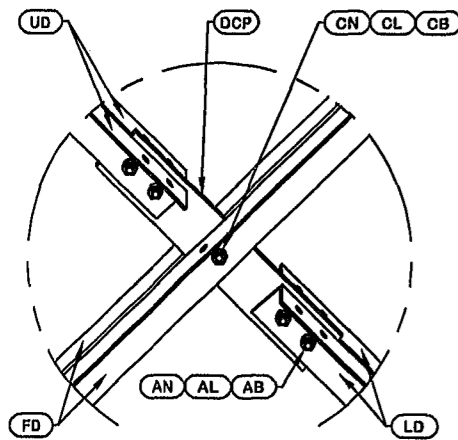


PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
BDL	3	281172	#12 BASE SECTION - 2 1/4" LEG - 1/2" BRACE W/ (1)	1199.210	3597.630
UD	6	265799	U-29 UPPER ANGLE - SINGLE BOLT FOR 20'-0" LONG TA	92.490	554.940
LD	6	265798	U-29 LOWER ANGLE - SINGLE BOLT FOR 20'-0" LONG TA	99.730	598.380
FD	6	265797	U-29 LONG ANGLE - SINGLE BOLT FOR 20'-0" LONG TAP	198.670	1191.420
ML	24	312123	6/8" GALVANIZED LOCKWASHER (53-22230)	0.020	0.480
MN	24	312501	5/8"-11 HOT DIPPED GALVANIZED NUT	0.120	2.880
AS	24	237658	RING FILL SPACER 5/8" THICK 1.049" HOLE	0.090	2.160
MB	24	161895	5/8"-11 X 2 1/4" A-325 BOLT 1 1/4" THREAD	0.260	6.240
AB/CB	16	161895	5/8"-11 X 2 1/4" A-325 BOLT 1 1/4" THREAD	0.260	3.900
AL / CL	16	312123	6/8" GALVANIZED LOCKWASHER (53-22230)	0.020	0.300
AN / CN	16	312501	5/8"-11 HOT DIPPED GALVANIZED NUT	0.120	1.800
DOP	3	211833	MID BRACE CONNECTION PLATE FOR #12 B/D LEG ANGLES	20.590	61.770
SL	12	312193	7/8" GALVANIZED LOCKWASHER	0.050	0.600
SN	12	312216	7/8"-9 HOT DIPPED GALVANIZED NUT	0.300	3.600
SB	12	172275	7/8"-9 X 2-1/2" A-325 BOLT WITH 1-1/2" THREAD	1.230	14.760
Total Wt				6040.86 lb [2742.60 kg]	

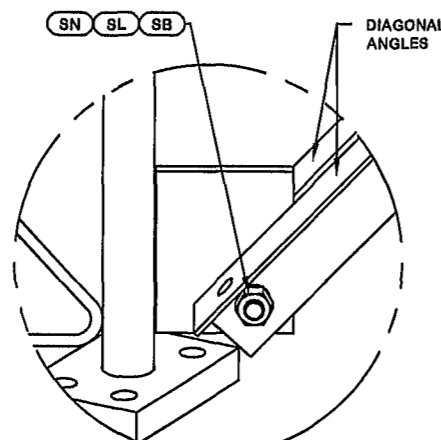


EXP. 2/28/2027

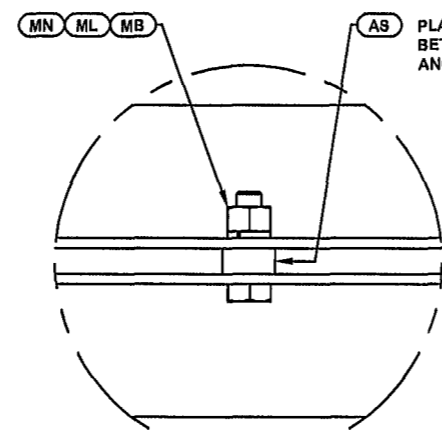
NOTE: THE VIEWS SHOWN BELOW ARE FOR PART IDENTIFICATION ONLY. THE ACTUAL PART STYLE MAY VARY FROM WHAT IS DEPICTED BELOW. PLEASE SEE ASSEMBLY INFORMATION IN THE UPPER LEFT CORNER FOR FURTHER INSTALLATION INSTRUCTIONS.



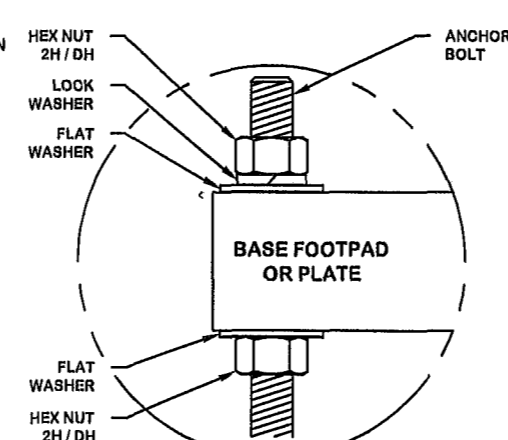
DETAIL A
ANGLE INTERSECTION CONNECTION



DETAIL B
END SIDE PLATE ANGLE CONNECTION



DETAIL C
STITCH BOLT CONNECTION



ANCHOR BOLT ASSY. (TYP)
SEE FOUNDATION DRAWING FOR DETAILS


REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
REVISION HISTORY				

DRAWN BY KRC	APPROVED BY SAN	DESIGNED BY ES	APPROVED BY J_L	RELEASE DATE 2/17/2026
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SITE SUWANNEE VALLEY TOWER, FL. FLORIDA TEL-CON, INC H 29 X 300'
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DESCRIPTION SECTION U-29.0 (0' - 20' ELEVATION)
ENG. FILE NO. 617129

valmont 

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1-800-547-2151 Salem, OR

STRUCTURES

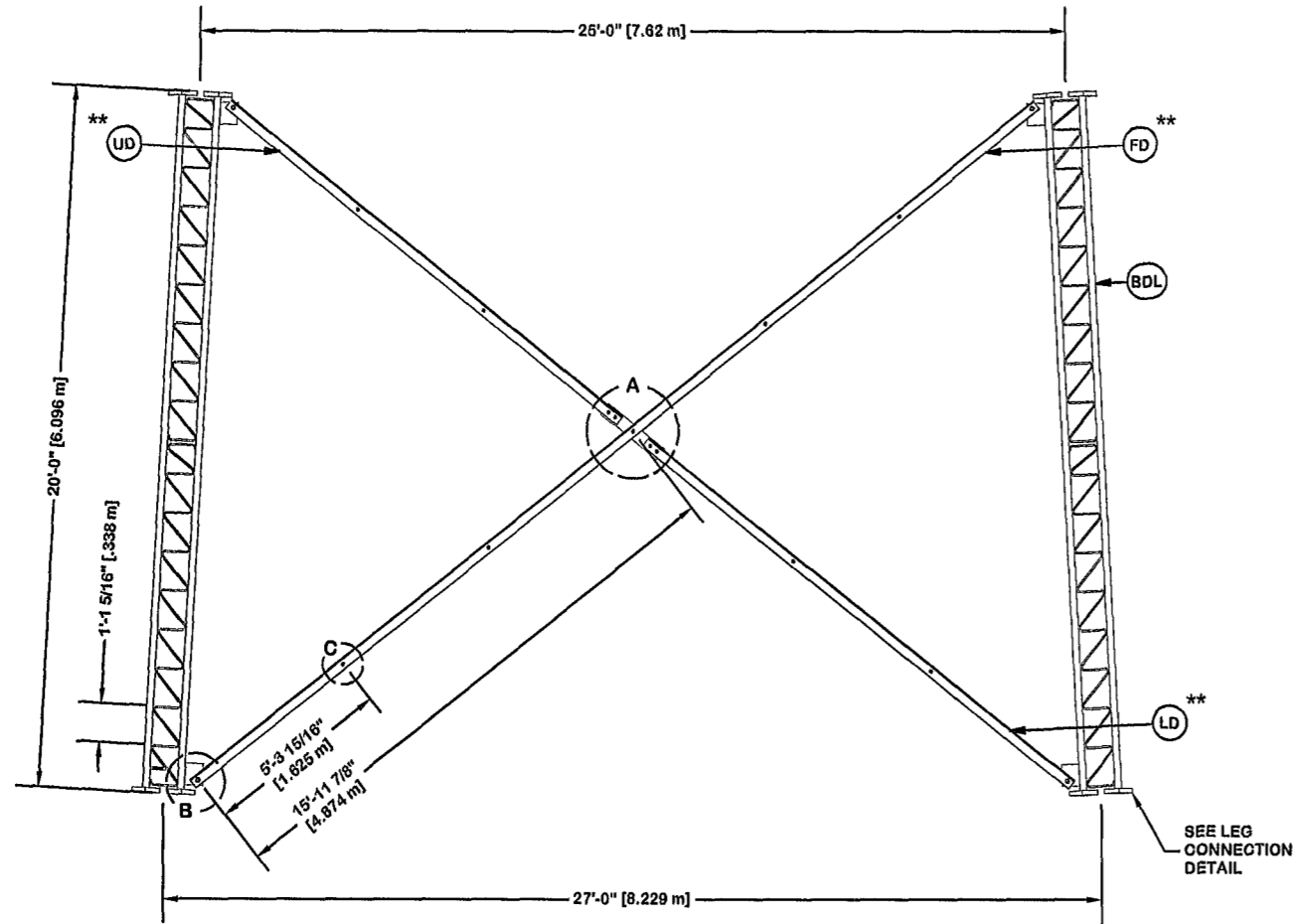
DWG. NO. 299701T	PAGE 3 OF 17
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ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

ORIENT ANGLES WITH STAMPED END TOWARD TOP OF SECTION

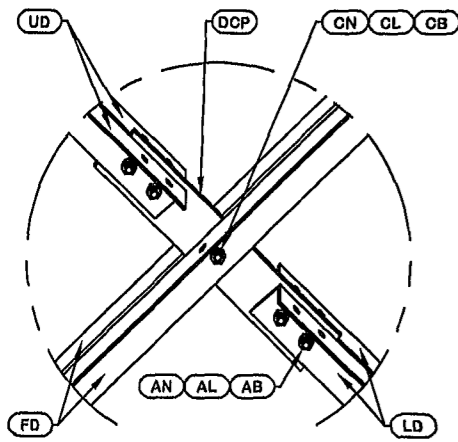
** DIAGONAL ANGLES MUST BE INSTALLED WITH THE NON-BOLTED FACE UP, 

* STITCH BOLT SPACING SHOWN
IS MAX. FOR ALL ANGLES

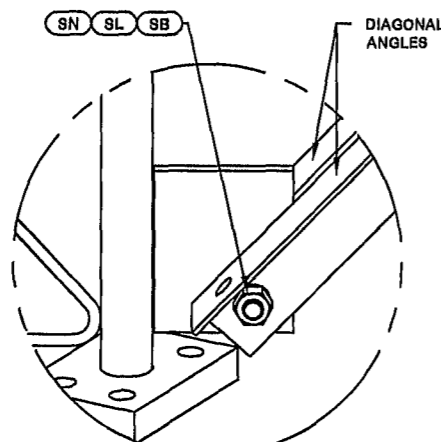


PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
BDL	3	195960	#12 LEG SECTION - 2-1/4" LEG - 1/2" BRACE - 7/8" B	1100.520	3301.580
UD	6	295732	U-27 UPPER ANGLE - SINGLE BOLT FOR 20'-0" LONG TA	74.370	446.220
LD	6	295731	U-27 LOWER ANGLE - SINGLE BOLT FOR 20'-0" LONG TA	80.710	484.260
FD	6	295730	U-27 LONG ANGLE - SINGLE BOLT FOR 20'-0" LONG TAP	160.590	963.540
ML	24	312123	5/8" GALVANIZED LOCKWASHER (53-22230)	0.020	0.480
MN	24	312501	5/8"-11 HOT DIPPED GALVANIZED NUT	0.120	2.880
AS	24	237658	RING FILL SPACER 5/8" THICK 1 049" HOLE	0.090	2.160
MB	24	161895	5/8"-11 X 2 1/4" A-325 BOLT 1 1/4" THREAD	0.260	6.240
AB/CB	15	161895	5/8"-11 X 2 1/4" A-325 BOLT 1 1/4" THREAD	0.260	3.900
AL / CL	15	312123	5/8" GALVANIZED LOCKWASHER (53-22230)	0.020	0.300
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DCP	3	211833	MID BRACE CONNECTION PLATE FOR #12 B/D LEG ANGLES	20.590	61.770
SL	12	312193	7/8" GALVANIZED LOCKWASHER	0.050	0.600
SN	12	312216	7/8"-9 HOT DIPPED GALVANIZED NUT	0.300	3.600
SB	12	172275	7/8"-9 X 2-1/2" A-325 BOLT WITH 1-1/2" THREAD	1.230	14.760
LOB	36	222016	1"-8 X 4-3/4" A-325 BOLT WITH 1-3/4" THREAD	1.380	49.680
LOF	36	312222	1" GALVANIZED FLAT WASHER (F436)	0.140	5.040
LCL	36	312223	1" GALVANIZED LOCKWASHER	0.080	2.880
LCN	36	312504	1"-8 HOT DIPPED GALVANIZED NUT	0.430	15.480
Total Wt				5367.15 lb [2436.73 kg]	

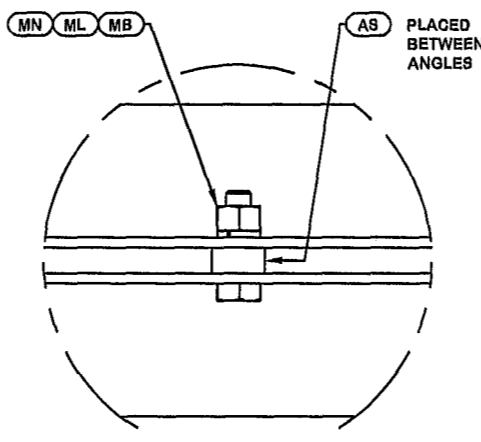
NOTE: THE VIEWS SHOWN BELOW ARE FOR PART IDENTIFICATION ONLY. THE ACTUAL PART STYLE MAY VARY FROM WHAT IS DEPICTED BELOW. PLEASE SEE ASSEMBLY INFORMATION IN THE UPPER LEFT CORNER FOR FURTHER INSTALLATION INSTRUCTIONS.



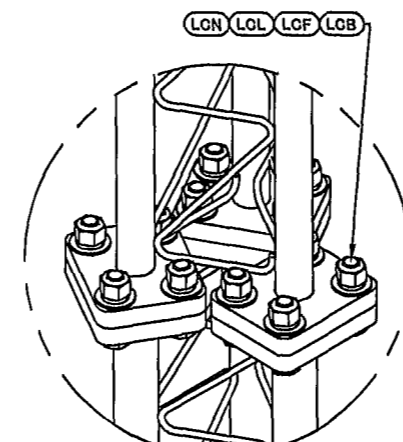
DETAIL A
ANGLE INTERSECTION CONNECTION



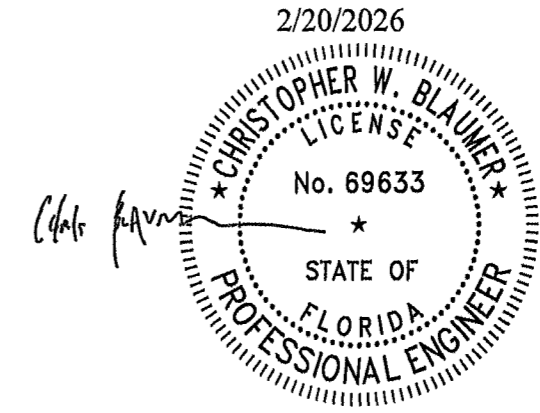
DETAIL B
END SIDE PLATE ANGLE CONNECTION



DETAIL C
STITCH BOLT CONNECTION



LEG TO LEG CONNECTION
(SIDE PLATES NOT SHOWN FOR CLARITY)



EXP. 2/28/2027

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
REVISION HISTORY				

SITE
**SUWANNEE VALLEY TOWER, FL.
FLORIDA TEL-CON, INC
H 29 X 300'**

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DESCRIPTION
SECTION U-27.0 (20' - 40' ELEVATION)

valmont 

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1-800-547-2151 Salem, OR

STRUCTURES

DRAWN BY KRC	APPROVED BY SAN	DESIGNED BY ES	APPROVED BY J_L	RELEASE DATE 2/17/2026
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PROPRIETARY NOTE:
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ENG. FILE NO.
617129

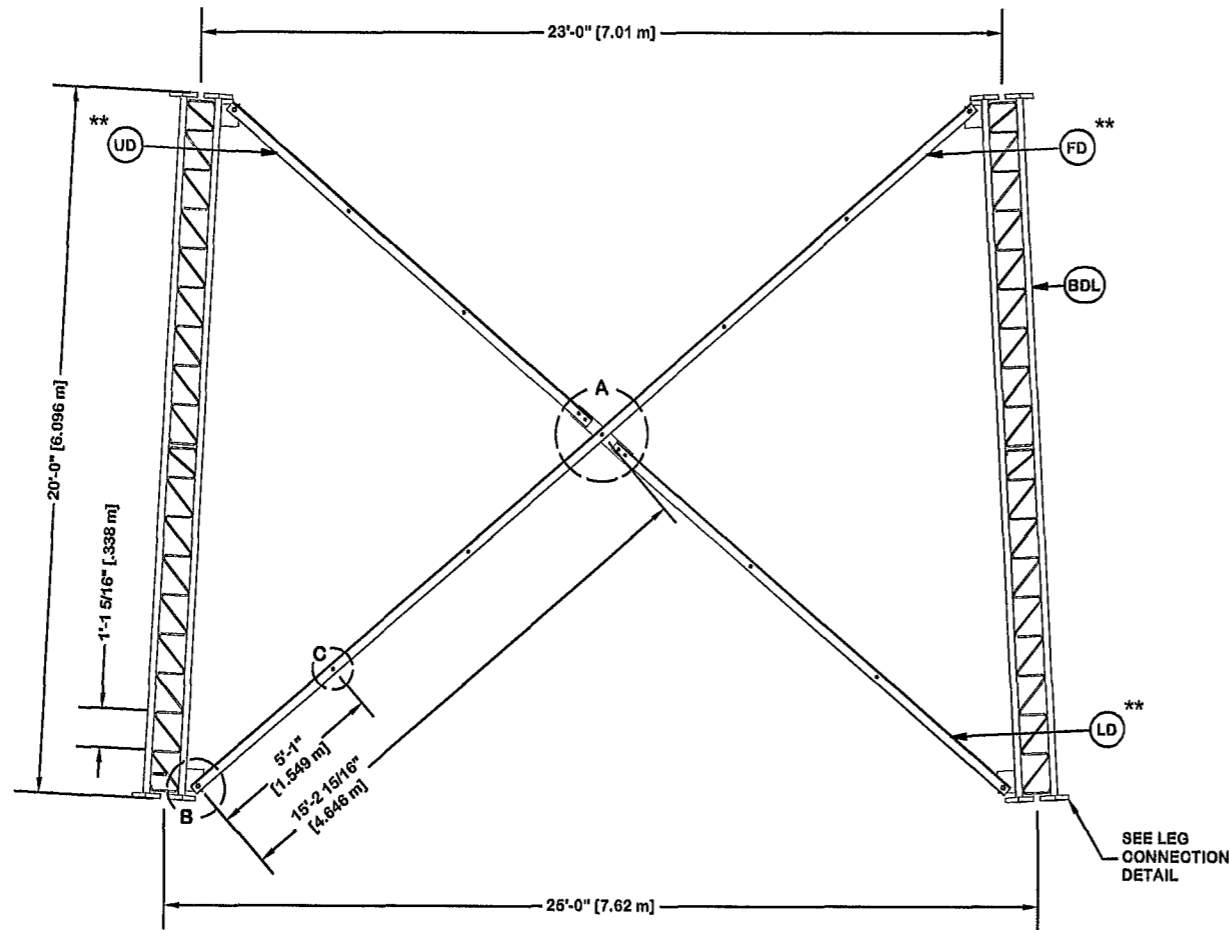
DWG. NO.
299701T

PAGE
4 OF 17

ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

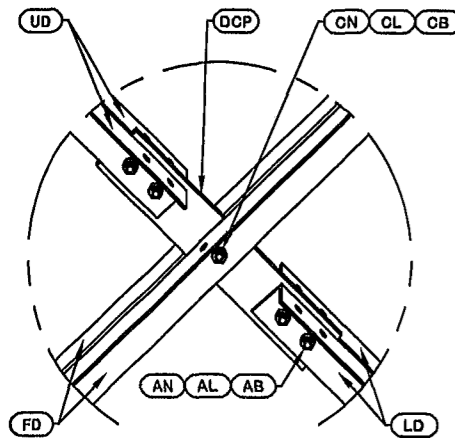
ORIENT ANGLES WITH STAMPED END TOWARD TOP OF SECTION
** DIAGONAL ANGLES MUST BE INSTALLED WITH THE NON-BOLTED FACE UP, 

* STITCH BOLT SPACING SHOWN
IS MAX. FOR ALL ANGLES

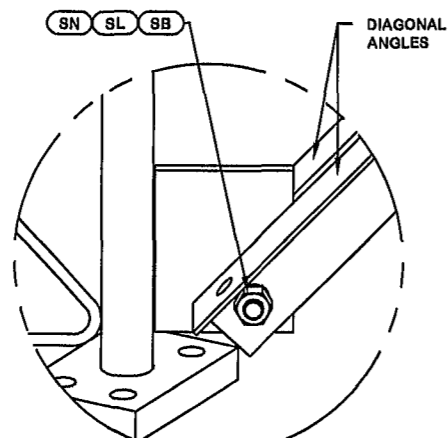


PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
BDL	3	195900	#12 LEG SECTION - 2-1/4" LEG - 1/2" BRACE - 7/8" B	1100.620	3301.680
UD	6	265767	U-26 UPPER ANGLE - SINGLE BOLT FOR 20'-0" LONG TA	62.910	317.460
LD	6	265766	U-26 LOWER ANGLE - SINGLE BOLT FOR 20'-0" LONG TA	67.860	347.160
FD	6	265765	U-26 LONG ANGLE - SINGLE BOLT FOR 20'-0" LONG TAP	114.830	688.980
ML	24	312123	5/8" GALVANIZED LOCKWASHER (53-22230)	0.020	0.480
MN	24	312501	5/8"-11 HOT DIPPED GALVANIZED NUT	0.120	2.880
AS	24	237668	RING FILL SPACER 5/8" THICK 1.049" HOLE	0.090	2.160
MB	24	161895	5/8"-11 X 2 1/4" A-325 BOLT 1 1/4" THREAD	0.260	6.240
AB/CB	16	161895	5/8"-11 X 2 1/4" A-325 BOLT 1 1/4" THREAD	0.260	3.900
AL / CL	16	312123	5/8" GALVANIZED LOCKWASHER (53-22230)	0.020	0.300
AN / CN	16	312501	5/8"-11 HOT DIPPED GALVANIZED NUT	0.120	1.900
DGP	3	211833	MID BRACE CONNECTION PLATE FOR #12 B/D LEG ANGLES	20.590	61.770
SL	12	312193	7/8" GALVANIZED LOCKWASHER	0.050	0.600
SN	12	312215	7/8"-9 HOT DIPPED GALVANIZED NUT	0.300	3.600
SB	12	172275	7/8"-9 X 2-1/2" A-325 BOLT WITH 1-1/2" THREAD	1.230	14.760
LOB	36	222016	1"-8 X 4-3/4" A-325 BOLT WITH 1-3/4" THREAD	1.380	49.680
LCF	36	312222	1" GALVANIZED FLAT WASHER (F436)	0.140	5.040
LCL	36	312223	1" GALVANIZED LOCKWASHER	0.080	2.880
LCN	36	312504	1"-8 HOT DIPPED GALVANIZED NUT	0.430	15.480
Total Wt				4826.73 lb [2191.38 kg]	

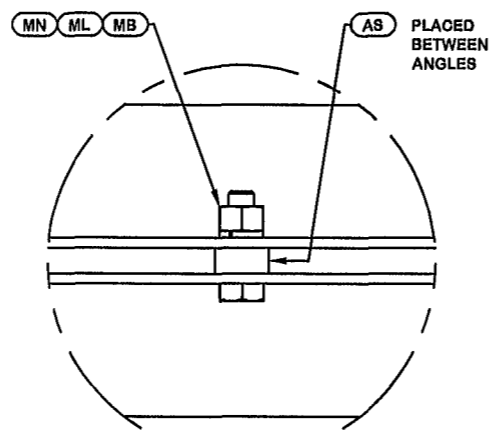
NOTE: THE VIEWS SHOWN BELOW ARE FOR PART IDENTIFICATION ONLY. THE ACTUAL PART STYLE MAY VARY FROM WHAT IS DEPICTED BELOW. PLEASE SEE ASSEMBLY INFORMATION IN THE UPPER LEFT CORNER FOR FURTHER INSTALLATION INSTRUCTIONS.



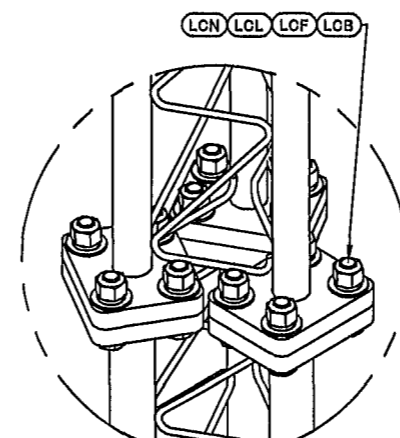
DETAIL A
ANGLE INTERSECTION CONNECTION



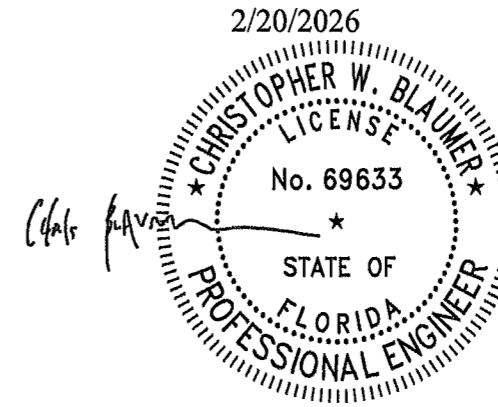
DETAIL B
END SIDE PLATE ANGLE CONNECTION



DETAIL C
STITCH BOLT CONNECTION



LEG TO LEG CONNECTION
(SIDE PLATES NOT SHOWN FOR CLARITY)



EXP. 2/28/2027

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
REVISION HISTORY				

DRAWN BY KRC	APPROVED BY SAN	DESIGNED BY ES	APPROVED BY J_L	RELEASE DATE 2/17/2026
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SITE
**SUWANNEE VALLEY TOWER, FL.
FLORIDA TEL-CON, INC
H 29 X 300'**

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PROPRIETARY NOTE:
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DESCRIPTION
SECTION U-25.0 (40' - 60' ELEVATION)

ENG. FILE NO.
617129

valmont 


1-877-467-4763 Plymouth, IN
1-800-647-2151 Salem, OR

STRUCTURES

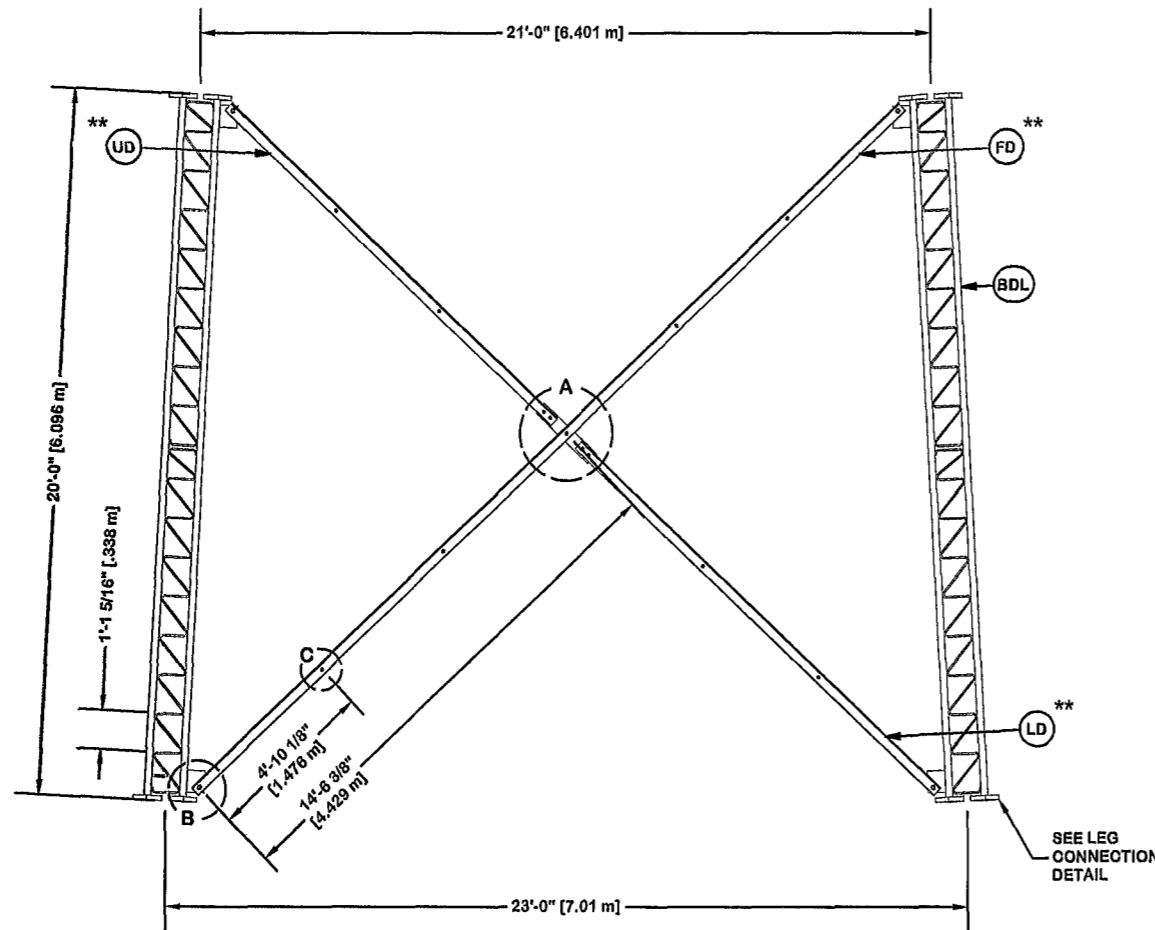
DWG. NO. **299701T**

PAGE **5 OF 17**

ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

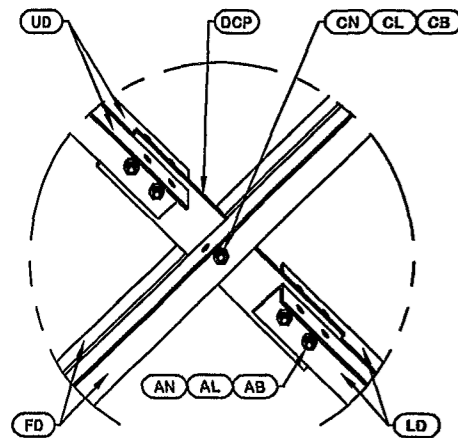
ORIENT ANGLES WITH STAMPED END TOWARD TOP OF SECTION
** DIAGONAL ANGLES MUST BE INSTALLED WITH THE NON-BOLTED FACE UP, 

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IS MAX. FOR ALL ANGLES

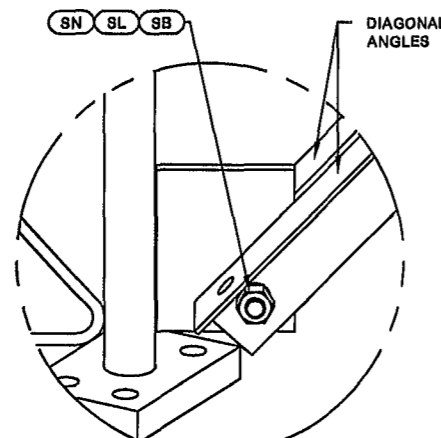


PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
BDL	3	195837	#12 LEG SEOT - 2" TO 1-3/4" TRANS LEG - 1/2" BRACE	906.870	2720.610
UD	6	265733	U-23 UPPER ANGLE - SINGLE BOLT FOR 20'-0" LONG TA	49.920	299.520
LD	6	265732	U-23 LOWER ANGLE - SINGLE BOLT FOR 20'-0" LONG TA	55.080	330.480
FD	6	265731	U-23 LONG ANGLE - SINGLE BOLT FOR 20'-0" LONG TAP	109.060	654.360
ML	24	312123	5/8" GALVANIZED LOCKWASHER (53-22230)	0.020	0.480
MN	24	312501	5/8"-11 HOT DIPPED GALVANIZED NUT	0.120	2.880
AS	24	237658	RING FILL SPACER 5/8" THICK 1.049" HOLE	0.090	2.160
MB	24	181895	5/8"-11 X 2 1/4" A-325 BOLT 1 1/4" THREAD	0.260	6.240
AB/CB	16	181895	5/8"-11 X 2 1/4" A-325 BOLT 1 1/4" THREAD	0.260	3.900
AL / CL	16	312123	5/8" GALVANIZED LOCKWASHER (53-22230)	0.020	0.300
AN / CN	16	312501	5/8"-11 HOT DIPPED GALVANIZED NUT	0.120	1.800
DCP	3	211833	MID BRACE CONNECTION PLATE FOR #12 B/D LEG ANGLES	20.590	61.770
SL	12	312193	7/8" GALVANIZED LOCKWASHER	0.050	0.600
SN	12	312216	7/8"-9 HOT DIPPED GALVANIZED NUT	0.300	3.600
SB	12	172275	7/8"-9 X 2-1/2" A-325 BOLT WITH 1-1/2" THREAD	1.230	14.760
LOB	36	222018	1"-8 X 4-3/4" A-325 BOLT WITH 1-3/4" THREAD	1.380	49.680
LOF	36	312222	1" GALVANIZED FLAT WASHER (F438)	0.140	5.040
LCL	36	312223	1" GALVANIZED LOCKWASHER	0.080	2.880
LCN	36	312504	1"-8 HOT DIPPED GALVANIZED NUT	0.430	15.480
Total Wt				4176.54 lb [1896.19 kg]	

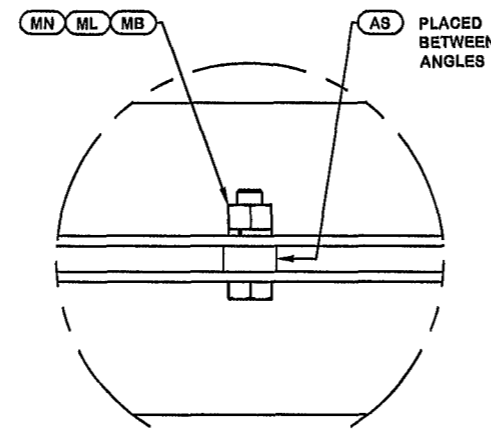
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PLEASE SEE ASSEMBLY INFORMATION IN THE UPPER LEFT CORNER FOR FURTHER INSTALLATION INSTRUCTIONS.



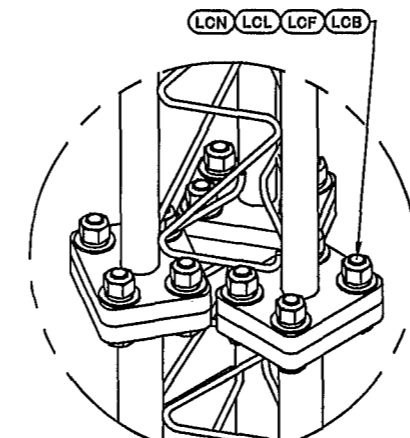
DETAIL A
ANGLE INTERSECTION CONNECTION



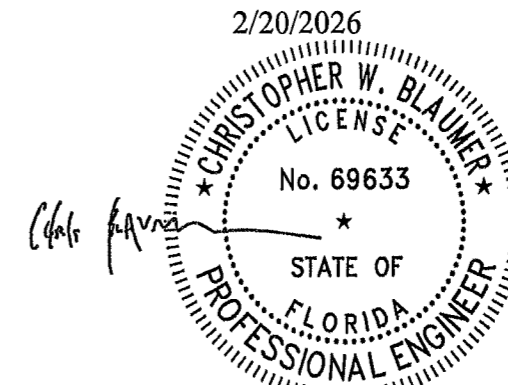
DETAIL B
END SIDE PLATE ANGLE CONNECTION



DETAIL C
STITCH BOLT CONNECTION



LEG TO LEG CONNECTION
(SIDE PLATES NOT SHOWN FOR CLARITY)



EXP. 2/28/2027

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
REVISION HISTORY				

SITE
SUWANNEE VALLEY TOWER, FL.
FLORIDA TEL-CON, INC
H 29 X 300'

COPYRIGHT 2022

DESCRIPTION
SECTION U-23.0 (60' - 80' ELEVATION)

valmont 

1-877-467-4763 Plymouth, IN
1-800-547-2151 Salem, OR

STRUCTURES

DRAWN BY KRC	APPROVED BY SAN	DESIGNED BY ES	APPROVED BY J_L	RELEASE DATE 2/17/2026
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ENG. FILE NO.
617129

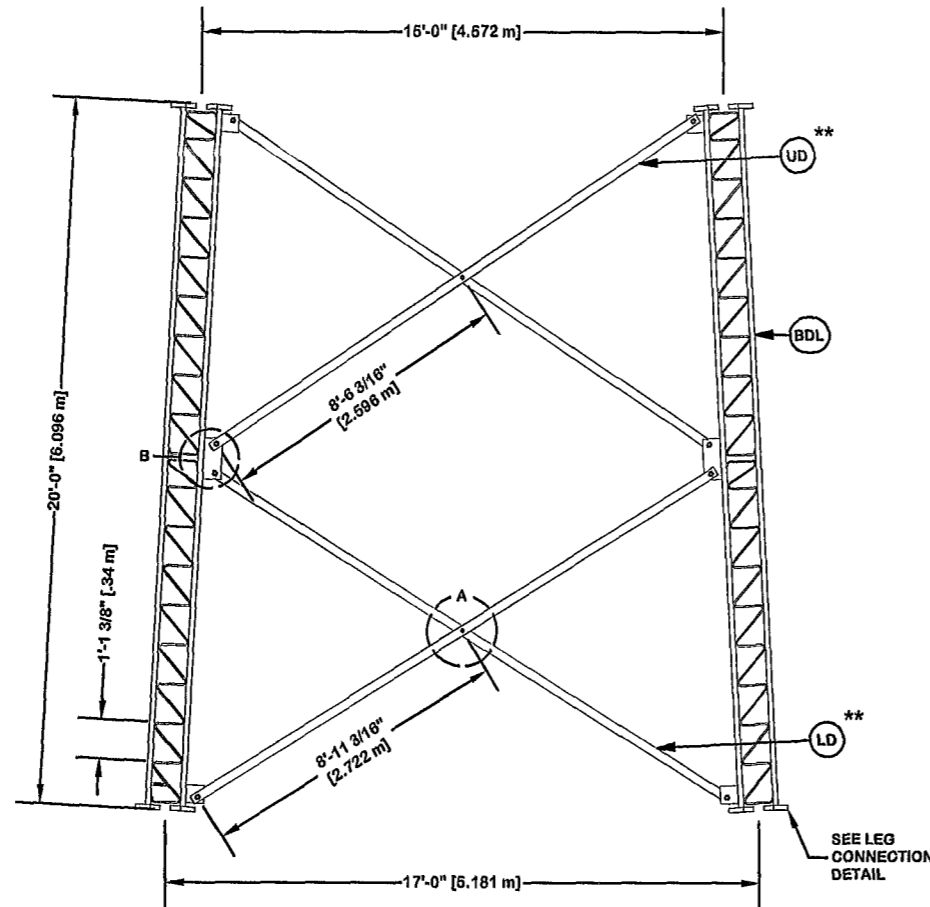
DWG. NO.
299701T

PAGE
6 OF 17

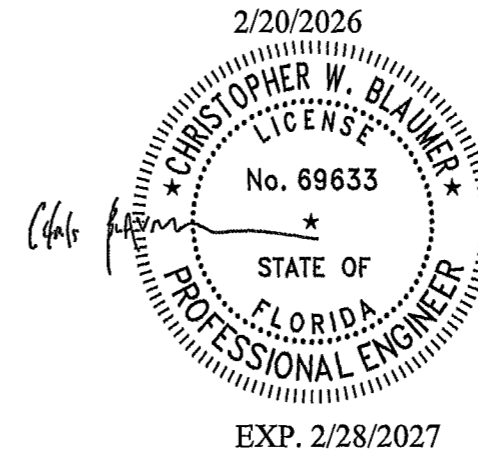
ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

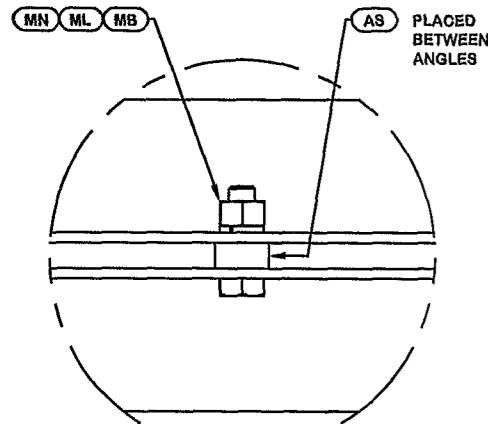
** DIAGONAL ANGLES MUST BE INSTALLED
WITH THE NON-BOLTED FACE UP.
THIS MAY BE ON THE OPPOSITE SIDE OF THE
SIDE PLATE THAN WHAT IS SHOWN IN THE DETAIL.



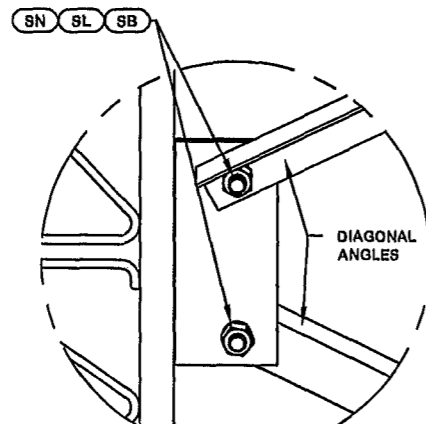
PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
BDL	3	195213	#12 LEG SECT - 1-3/4" TO 1-1/2" TRANS LEG - 1/2" B	739.890	2219.670
LD	6	296359	U-17 DIAGONAL - 3" x 3" x 1/4" ANGLE (A572 GR. 50)	81.350	648.100
AS	6	104291	RING FILL SPACER 1/2" THICK 1.049" HOLE	0.070	0.420
MN	6	312502	3/4"-10 HOT DIPPED GALVANIZED NUT	0.190	1.140
ML	6	312153	3/4" GALVANIZED LOCKWASHER	0.030	0.180
MB	6	160427	3/4"-10 X 3" A-325T BOLT WITH FULL THREAD	0.470	2.820
SL	24	312223	1" GALVANIZED LOCKWASHER	0.080	1.920
SN	24	312504	1"-8 HOT DIPPED GALVANIZED NUT	0.430	10.320
SB	24	172265	1"-8 X 2-1/4" A-325 BOLT WITH 1-3/4" THREAD	0.840	20.160
UD	6	296846	U-16 DIAGONAL - 3" x 3" x 1/4" ANGLE (A572 GR. 50)	87.000	522.000
LOB	18	222022	1-1/4"-7 X 5-1/2" A-325 BOLT WITH 2" THREAD	2.530	45.540
LOF	18	312282	1-1/4" GALVANIZED FLAT WASHER (F436)	0.130	2.340
LOL	18	312283	1-1/4" GALVANIZED LOCKWASHER	0.150	2.700
LON	18	312507	1-1/4"-7 HOT DIPPED GALVANIZED NUT	0.730	13.140
Total Wt				3390.45 lb [1539.29 kg]	



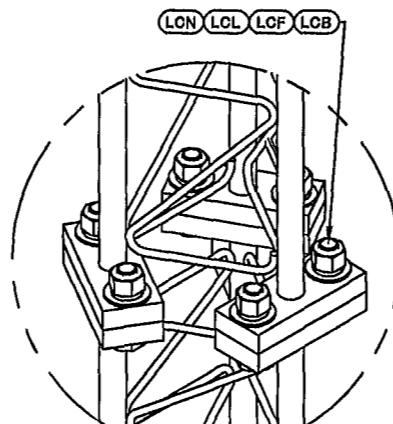
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DETAIL A
ANGLE INTERSECTION CONNECTION



DETAIL B
MID SIDE PLATE ANGLE CONNECTION



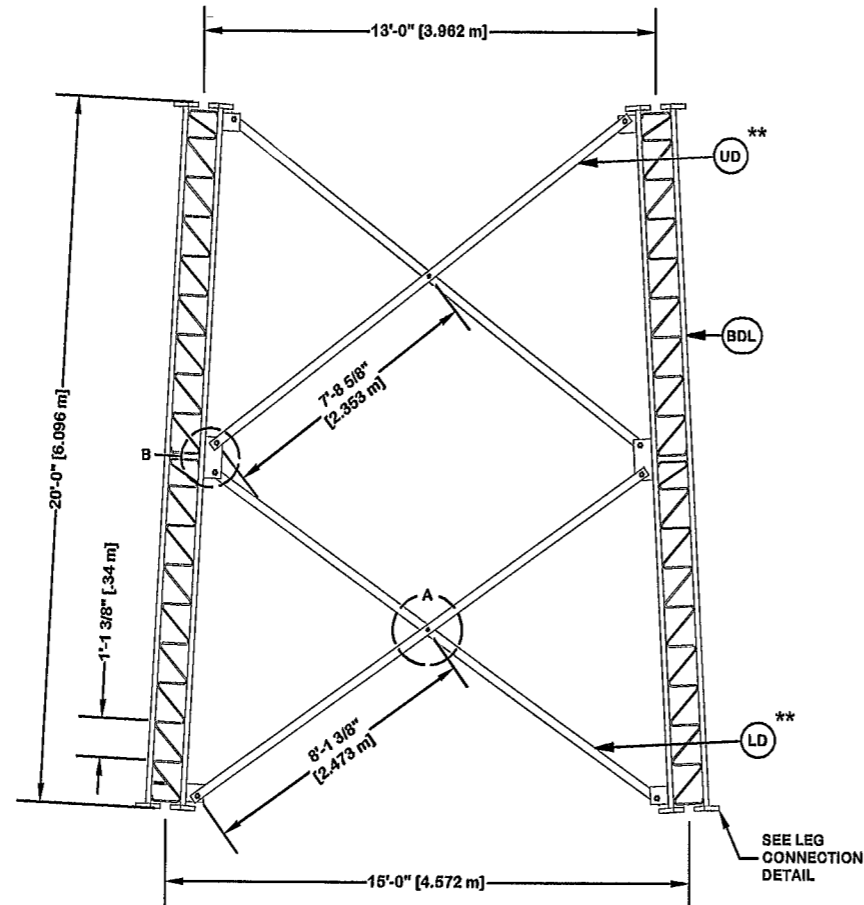
LEG TO LEG CONNECTION
(SIDE PLATES NOT SHOWN FOR CLARITY)

<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION OF REVISIONS</th> <th>CPD</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td colspan="5" style="text-align: center;">REVISION HISTORY</td> </tr> </tbody> </table>				REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE	REVISION HISTORY					<p>SITE</p> <p>SUWANNEE VALLEY TOWER, FL. FLORIDA TEL-CON, INC H 29 X 300'</p> <p>COPYRIGHT 2022</p>	<p>DESCRIPTION</p> <p>SECTION U-17.0 (120' - 140' ELEVATION)</p>	<p>1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR</p> <p>STRUCTURES</p>
REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE												
REVISION HISTORY																
<p>DRAWN BY</p> <p>KRC</p>	<p>APPROVED BY</p> <p>SAN</p>	<p>DESIGNED BY</p> <p>ES</p>	<p>APPROVED BY</p> <p>J_L</p>	<p>RELEASE DATE</p> <p>2/17/2026</p>	<p>PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.</p>	<p>ENG. FILE NO.</p> <p>617129</p>	<p>DWG. NO.</p> <p>299701T</p>	<p>PAGE</p> <p>9 OF 17</p>								

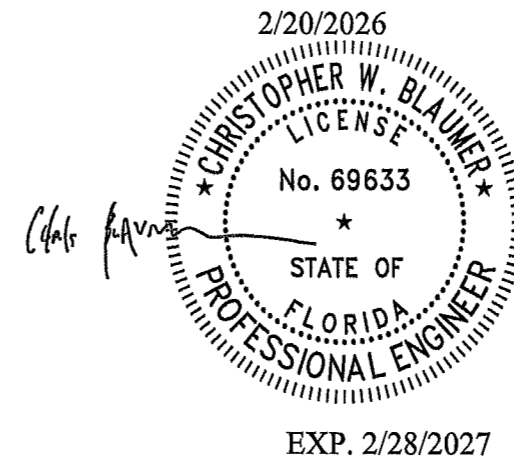
ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

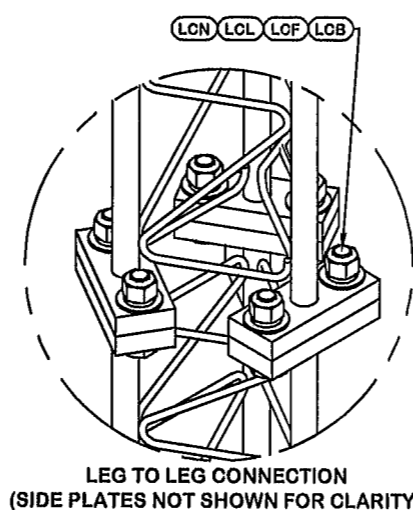
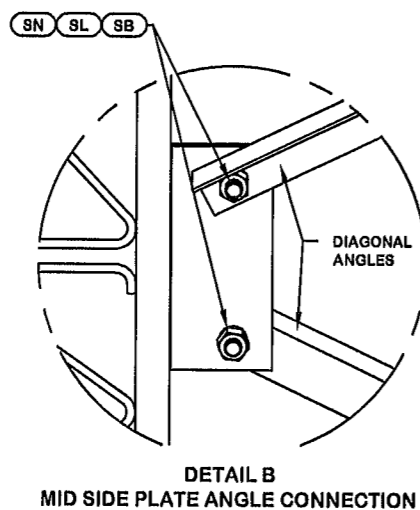
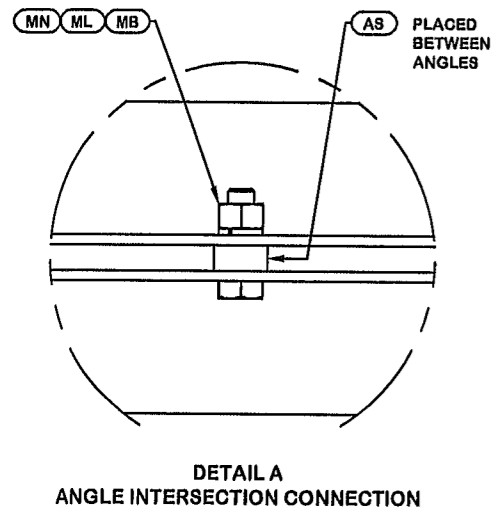
** DIAGONAL ANGLES MUST BE INSTALLED
WITH THE NON-BOLTED FACE UP, ↑
THIS MAY BE ON THE OPPOSITE SIDE OF THE
SIDE PLATE THAN WHAT IS SHOWN IN THE DETAIL.



PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
BDL	3	194651	#12 LEG SECTION - 1-1/2" LEG - 1/2" BRACE - 1" BOL	602.830	1808.490
LD	6	126815	U-16 UPPER DIAGONAL - 3" x 3" x 3/16" ANGLE (A572)	62.880	377.280
AS	6	104291	RING FILL SPACER 1/2" THICK 1.049" HOLE	0.070	0.420
MN	6	312502	3/4"-10 HOT DIPPED GALVANIZED NUT	0.190	1.140
ML	6	312153	3/4" GALVANIZED LOCKWASHER	0.030	0.180
MB	6	160427	3/4"-10 X 3" A-325T BOLT WITH FULL THREAD	0.470	2.820
SL	24	312223	1" GALVANIZED LOCKWASHER	0.080	1.920
SN	24	312504	1"-8 HOT DIPPED GALVANIZED NUT	0.430	10.320
SB	24	172265	1"-8 X 2-1/4" A-325 BOLT WITH 1-3/4" THREAD	0.840	20.160
UD	6	126812	U-14 LOWER DIAGONAL - 3" x 3" x 3/16" ANGLE (A572)	59.730	358.380
LOB	18	222016	1"-8 X 4-3/4" A-325 BOLT WITH 1-3/4" THREAD	1.380	24.840
LOF	18	312222	1" GALVANIZED FLAT WASHER (F436)	0.140	2.520
LCL	18	312223	1" GALVANIZED LOCKWASHER	0.080	1.440
LON	18	312504	1"-8 HOT DIPPED GALVANIZED NUT	0.430	7.740
Total Wt				2617.65 lb [1188.44 kg]	



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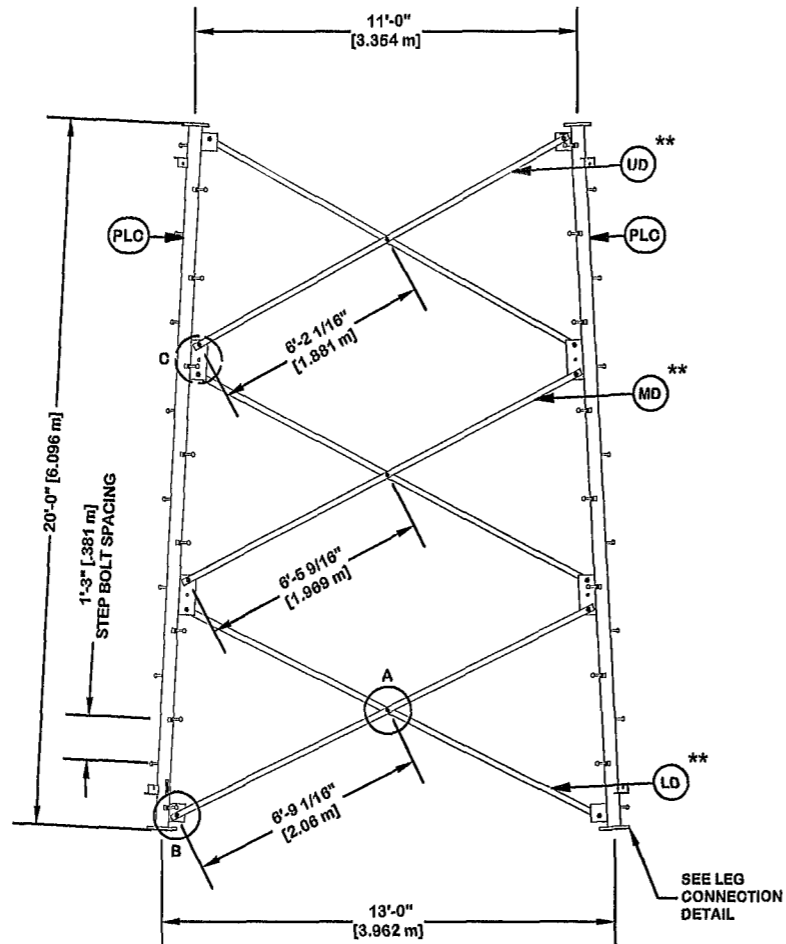


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REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE																	
REVISION HISTORY																					
DRAWN BY KRC	APPROVED BY SAN	DESIGNED BY ES	APPROVED BY J_L	RELEASE DATE 2/17/2026	PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.	ENG. FILE NO. 617129	DWG. NO. 299701T	PAGE 10 OF 17													

ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

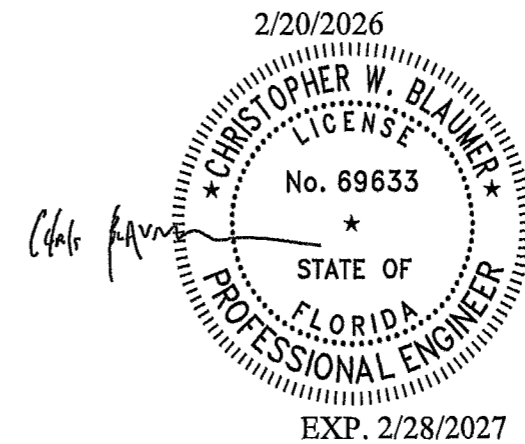
ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

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SIDE PLATE THAN WHAT IS SHOWN IN THE DETAIL.

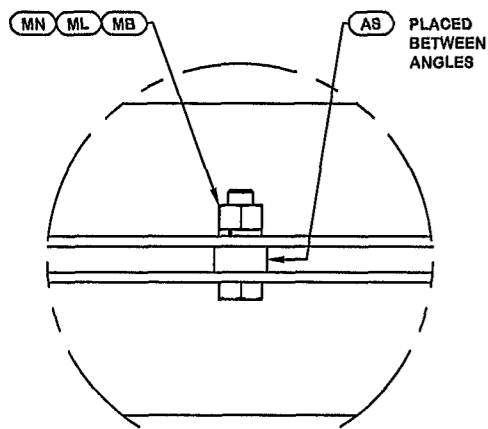


PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
PLC	3	229377	PIPE LEG SECTION 20'-0" (CLIMBING) 8" SOH. 40 V-SE	537.940	1613.820
STP	48	285595	STEP BOLT ASSY 5/8"-11 X 7" W/(2)HEAVY HEX NUT	0.990	47.520
LD	6	284799	V-13 LOWER CLIPPED ANGLE - 2 1/2" X 2 1/2" X 3/16"	43.220	259.320
MB	9	227580	5/8"-11 X 2-1/4" A325T BOLT (FULL THR) HDG	0.840	6.760
AS	9	293158	RING FILL SPACER 3/8" THICK 1.049" HOLE	0.060	0.540
MN	9	312501	5/8"-11 HOT DIPPED GALVANIZED NUT	0.120	1.080
ML	9	312123	5/8" GALVANIZED LOCKWASHER (53-22230)	0.020	0.180
SL	36	312153	3/4" GALVANIZED LOCKWASHER	0.030	1.080
SN	36	312502	3/4"-10 HOT DIPPED GALVANIZED NUT	0.190	6.840
SB	36	227579	3/4"-10 X 2-1/4" A-325T BOLT WITH FULL THREAD	0.420	15.120
MD	6	284798	V-13 MID ANGLE - 2 1/2" X 2 1/2" X 3/16" ANGLE (A5)	41.430	248.580
UD	6	284797	V-13 UPPER ANGLE - 2 1/2" X 2 1/2" X 3/16" ANGLE (39.520	237.120
LOB	18	172272	1"-8 X 4-1/4" A-325 BOLT WITH 1-3/4" THREAD	0.840	15.120
LOF	18	312222	1" GALVANIZED FLAT WASHER (F438)	0.140	2.520
LCL	18	312223	1" GALVANIZED LOCKWASHER	0.080	1.440
LCN	18	312504	1"-8 HOT DIPPED GALVANIZED NUT	0.430	7.740

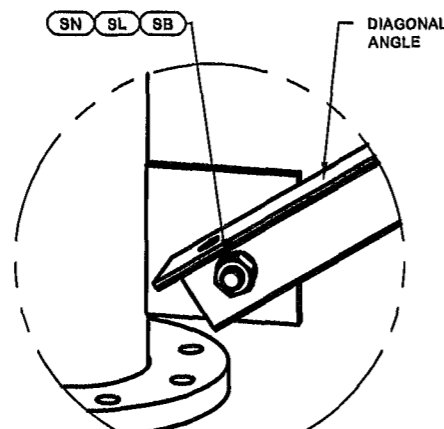
Total Wt. 2463.78 lb [1118.58 kg]



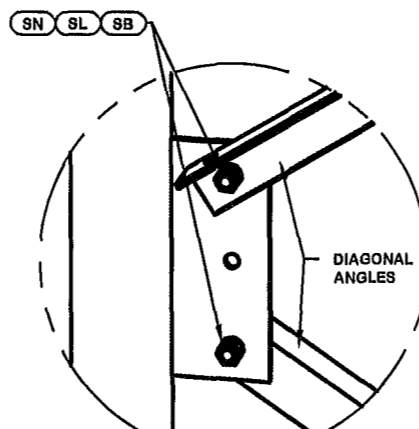
NOTE: THE VIEWS SHOWN BELOW ARE FOR PART IDENTIFICATION ONLY. THE ACTUAL PART STYLE MAY VARY FROM WHAT IS DEPICTED BELOW. PLEASE SEE ASSEMBLY INFORMATION IN THE UPPER LEFT CORNER FOR FURTHER INSTALLATION INSTRUCTIONS.



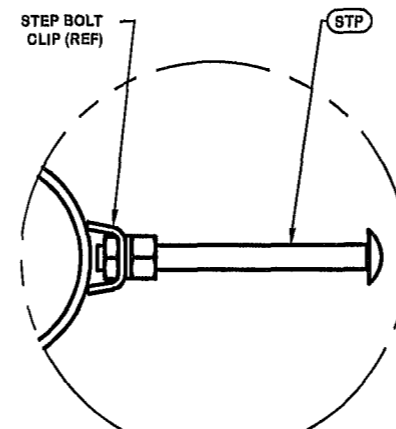
DETAIL A
ANGLE INTERSECTION CONNECTION



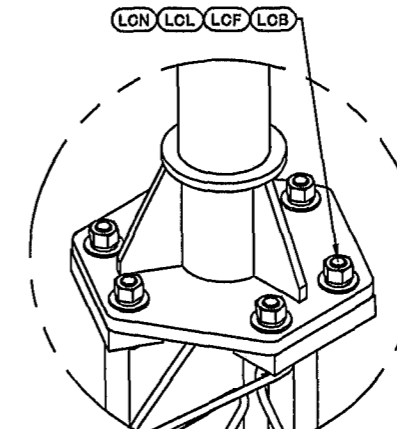
DETAIL B
END SIDE PLATE ANGLE CONNECTION



DETAIL C
MID SIDE PLATE ANGLE CONNECTION



STEP BOLT INSTALLATION



LEG TO LEG CONNECTION
(SIDE PLATES NOT SHOWN FOR CLARITY)

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
REVISION HISTORY				

SITE
SUWANNEE VALLEY TOWER, FL.
FLORIDA TEL-CON, INC
H 29 X 300'

COPYRIGHT 2022

DESCRIPTION
SECTION V-13.0 (160' - 180' ELEVATION)

valmont

1-877-467-4763 Plymouth, IN
1-800-547-2151 Salem, OR

STRUCTURES

DRAWN BY KRC	APPROVED BY SAN	DESIGNED BY ES	APPROVED BY J_L	RELEASE DATE 2/17/2026
------------------------	---------------------------	--------------------------	---------------------------	----------------------------------

PROPRIETARY NOTE:
THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

ENG. FILE NO.
617129

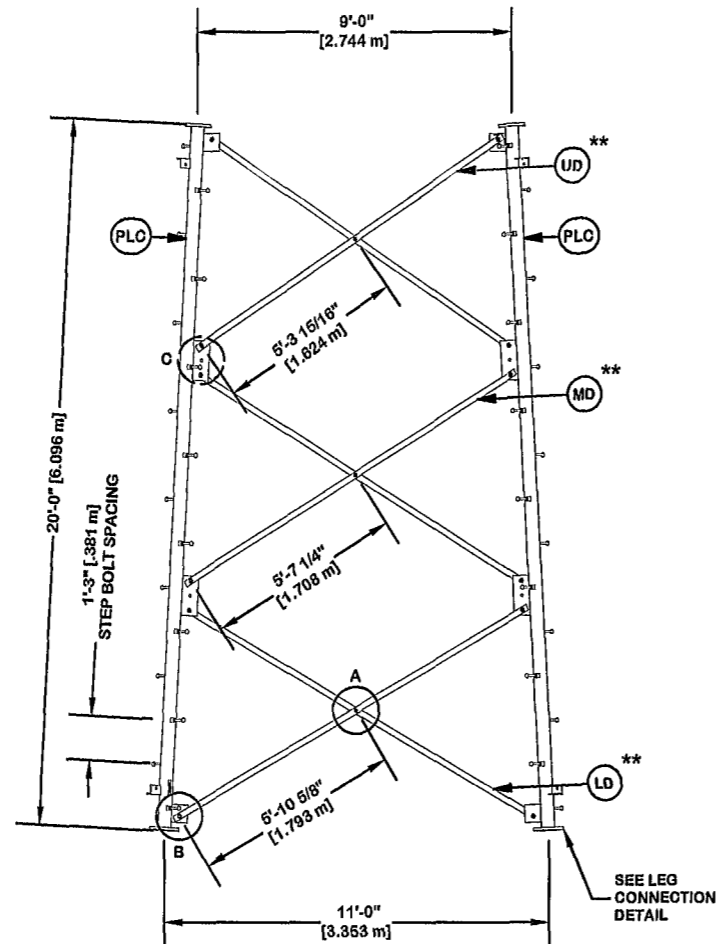
DWG. NO.
299701T

PAGE
11 OF 17

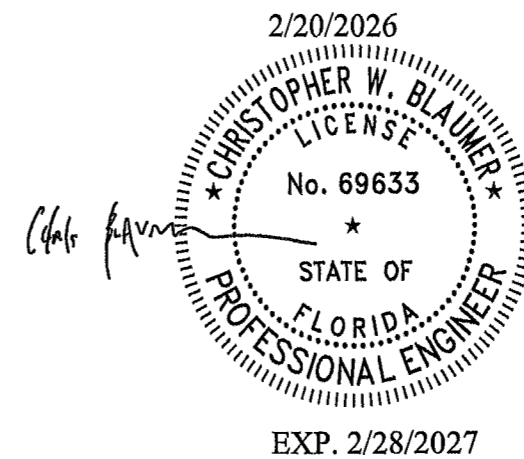
ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

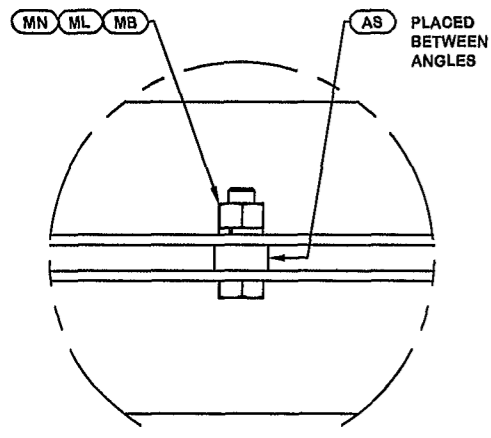
** DIAGONAL ANGLES MUST BE INSTALLED
WITH THE NON-BOLTED FACE UP,
THIS MAY BE ON THE OPPOSITE SIDE OF THE
SIDE PLATE THAN WHAT IS SHOWN IN THE DETAIL.



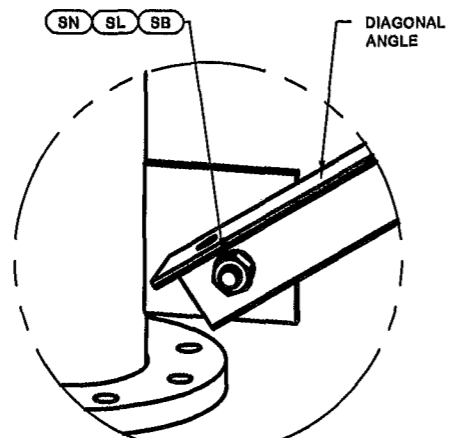
PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
PLC	3	226206	PIPE LEG SECTION 20' - 0" (CLIMBING) 6" SCH. 40 PI	476.980	1430.940
STP	48	285595	STEP BOLT ASSY 5/8"-11 X 7" W/(2)HEAVY HEX NUT	0.990	47.520
LD	6	284781	V-11 LOWER CLIPPED ANGLE - 3" X 3" X 3/16" ANGLE (45.170	271.020
MB	9	227680	5/8"-11 X 2-1/4" A325T BOLT (FULL THR) HDG	0.640	5.760
AS	9	293158	RING FILL SPACER 3/8" THICK 1.049" HOLE	0.060	0.540
MN	9	312501	5/8"-11 HOT DIPPED GALVANIZED NUT	0.120	1.080
ML	9	312123	5/8" GALVANIZED LOCKWASHER (53-22230)	0.020	0.180
SL	36	312153	3/4" GALVANIZED LOCKWASHER	0.030	1.080
SN	36	312502	3/4"-10 HOT DIPPED GALVANIZED NUT	0.190	6.840
SB	36	227679	3/4"-10 X 2-1/4" A-325T BOLT WITH FULL THREAD	0.420	15.120
MD	6	284780	V-11 MID ANGLE - 3" X 3" X 3/16" ANGLE (A572 GR. 5	43.160	258.960
UD	6	284779	V-11 UPPER ANGLE - 3" X 3" X 3/16" ANGLE (A572 GR.	40.990	245.940
LOB	24	227668	3/4"-10 X 3-1/2" A-325T BOLT WITH FULL THREAD	0.540	12.960
LOF	24	312152	3/4" GALVANIZED FLAT WASHER (F436)	0.080	1.920
LCL	24	312153	3/4" GALVANIZED LOCKWASHER	0.030	0.720
LCN	24	312502	3/4"-10 HOT DIPPED GALVANIZED NUT	0.190	4.560
Total Wt				2305.14 lb [1046.65 kg]	



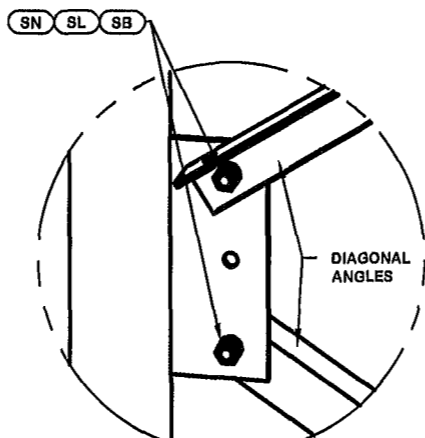
NOTE: THE VIEWS SHOWN BELOW ARE FOR PART IDENTIFICATION ONLY. THE ACTUAL PART STYLE MAY VARY FROM WHAT IS DEPICTED BELOW. PLEASE SEE ASSEMBLY INFORMATION IN THE UPPER LEFT CORNER FOR FURTHER INSTALLATION INSTRUCTIONS.



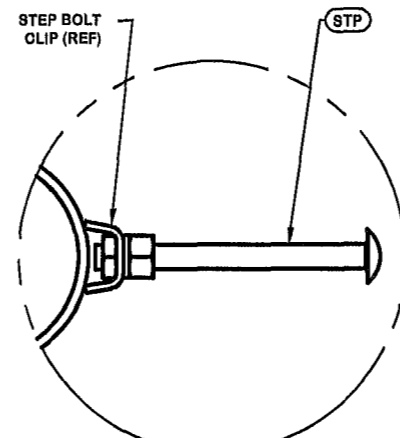
DETAIL A
ANGLE INTERSECTION CONNECTION



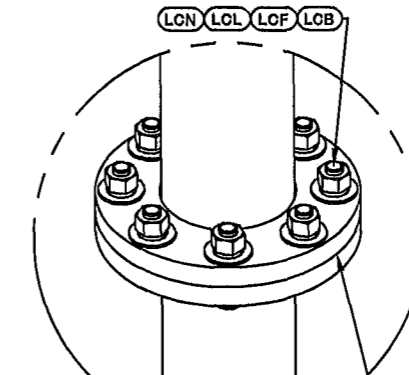
DETAIL B
END SIDE PLATE ANGLE CONNECTION



DETAIL C
MID SIDE PLATE ANGLE CONNECTION



STEP BOLT INSTALLATION



LEG TO LEG CONNECTION
(SIDE PLATES NOT SHOWN FOR CLARITY)
THE CONTRACTOR SHALL USE THE PROVIDED SHIM PLATES BETWEEN THE FLANGES AS NEEDED TO MAINTAIN PLUMB AND TWIST

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
REVISION HISTORY				

SITE
SUWANNEE VALLEY TOWER, FL.
FLORIDA TEL-CON, INC
H 29 X 300'

COPYRIGHT 2022

DESCRIPTION
SECTION V-11.0 (180' - 200' ELEVATION)

valmont

1-877-467-4763 Plymouth, IN
1-800-547-2151 Salem, OR

STRUCTURES

DRAWN BY KRC	APPROVED BY SAN	DESIGNED BY ES	APPROVED BY J_L	RELEASE DATE 2/17/2026
------------------------	---------------------------	--------------------------	---------------------------	----------------------------------

PROPRIETARY NOTE:
THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

ENG. FILE NO.
617129

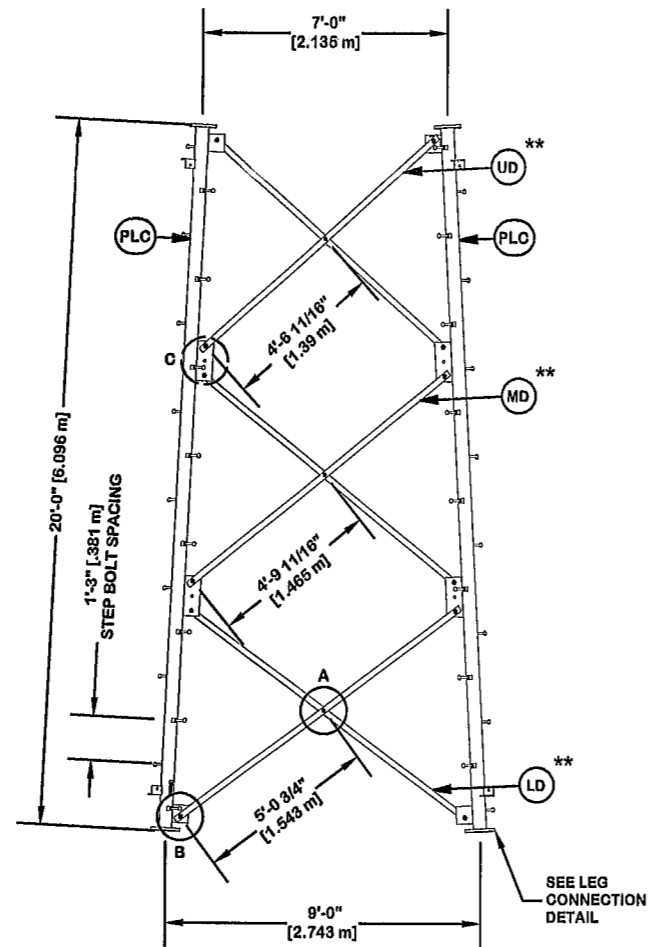
DWG. NO.
299701T

PAGE
12 OF 17

ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

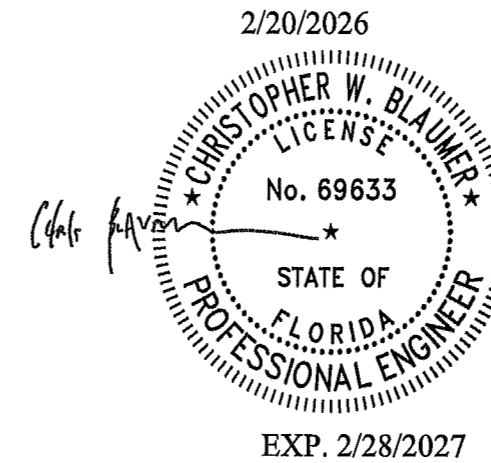
ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

** DIAGONAL ANGLES MUST BE INSTALLED
WITH THE NON-BOLTED FACE UP, ↑
THIS MAY BE ON THE OPPOSITE SIDE OF THE
SIDE PLATE THAN WHAT IS SHOWN IN THE DETAIL.

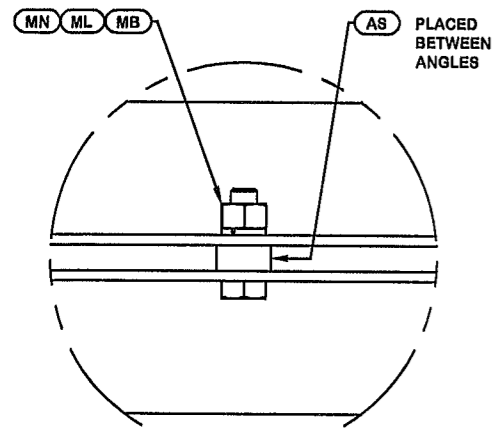


PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
PLC	3	226192	PIPE LEG SECTION 20'-0" (CLIMBING) 5" SCH. 40 V-SE	396.130	1188.390
STP	48	285595	STEP BOLT ASSY 5/8"-11 X 7" W/(2)HEAVY HEX NUT	0.990	47.620
LD	6	284754	V-9 LOWER CLIPPED ANGLE - 2" X 2" X 3/16" ANGLE (A)	25.380	152.280
MB	9	227680	5/8"-11 X 2-1/4" A325T BOLT (FULL THR) HDG	0.640	5.760
AS	9	283156	RING FILL SPACER 3/8" THICK 1.049" HOLE	0.060	0.540
MN	9	312501	5/8"-11 HOT DIPPED GALVANIZED NUT	0.120	1.080
ML	9	312123	5/8" GALVANIZED LOCKWASHER (63-22230)	0.020	0.180
SL	36	312163	3/4" GALVANIZED LOCKWASHER	0.030	1.080
SN	36	312502	3/4"-10 HOT DIPPED GALVANIZED NUT	0.190	6.840
SB	36	227679	3/4"-10 X 2-1/4" A-325T BOLT WITH FULL THREAD	0.420	15.120
MD	6	284753	V-9 MID ANGLE - 2" X 2" X 3/16" ANGLE (A572 GR. 50)	24.120	144.720
UD	6	284752	V-9 UPPER ANGLE - 2" X 2" X 3/16" ANGLE (A572 GR.	22.830	136.980
LOB	24	227668	3/4"-10 X 3-1/2" A-325T BOLT WITH FULL THREAD	0.540	12.960
LOF	24	312162	3/4" GALVANIZED FLAT WASHER (F438)	0.080	1.920
LCL	24	312163	3/4" GALVANIZED LOCKWASHER	0.030	0.720
LON	24	312502	3/4"-10 HOT DIPPED GALVANIZED NUT	0.190	4.560

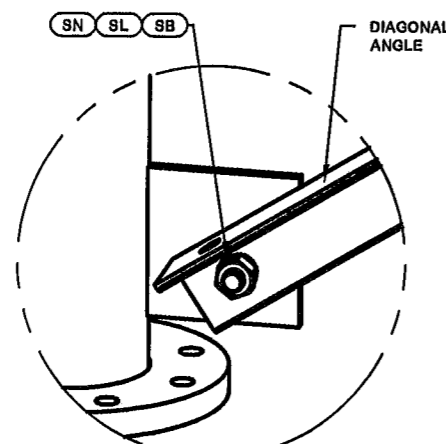
Total Wt 1720.65 lb [781.19 kg]



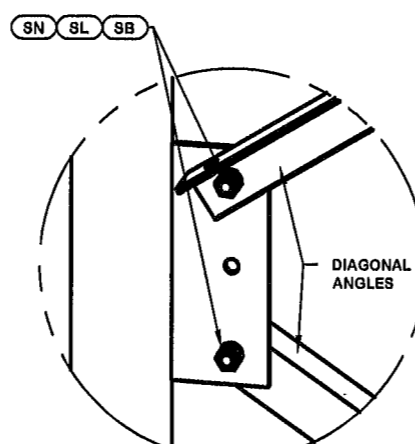
NOTE: THE VIEWS SHOWN BELOW ARE FOR PART IDENTIFICATION ONLY. THE ACTUAL PART STYLE MAY VARY FROM WHAT IS DEPICTED BELOW. PLEASE SEE ASSEMBLY INFORMATION IN THE UPPER LEFT CORNER FOR FURTHER INSTALLATION INSTRUCTIONS.



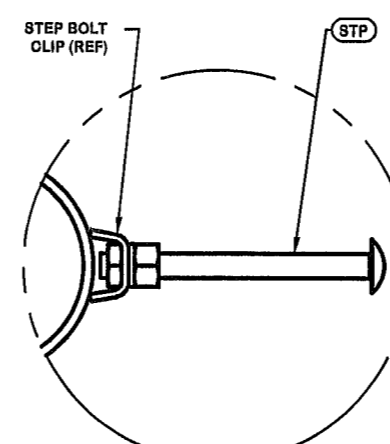
DETAIL A
ANGLE INTERSECTION CONNECTION



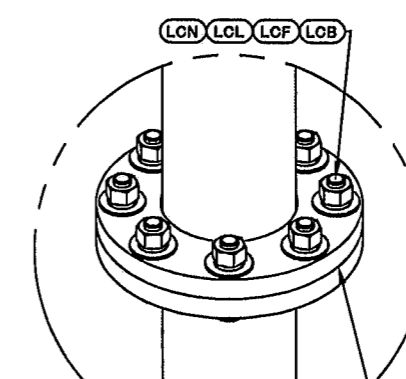
DETAIL B
END SIDE PLATE ANGLE CONNECTION



DETAIL C
MID SIDE PLATE ANGLE CONNECTION



STEP BOLT INSTALLATION



THE CONTRACTOR SHALL USE THE PROVIDED SHIM PLATES BETWEEN THE FLANGES AS NEEDED TO MAINTAIN PLUMB AND TWIST

LEG TO LEG CONNECTION
(SIDE PLATES NOT SHOWN FOR CLARITY)

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
REVISION HISTORY				
DRAWN BY	APPROVED BY	DESIGNED BY	APPROVED BY	RELEASE DATE
KRC	SAN	ES	J_L	2/17/2026

SITE
SUWANNEE VALLEY TOWER, FL.
FLORIDA TEL-CON, INC
H 29 X 300'

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PROPRIETARY NOTE:
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DESCRIPTION
SECTION V-9.0 (200' - 220' ELEVATION)

ENG. FILE NO.
617129

valmont

1-877-467-4763 Plymouth, IN
1-800-547-2151 Salem, OR

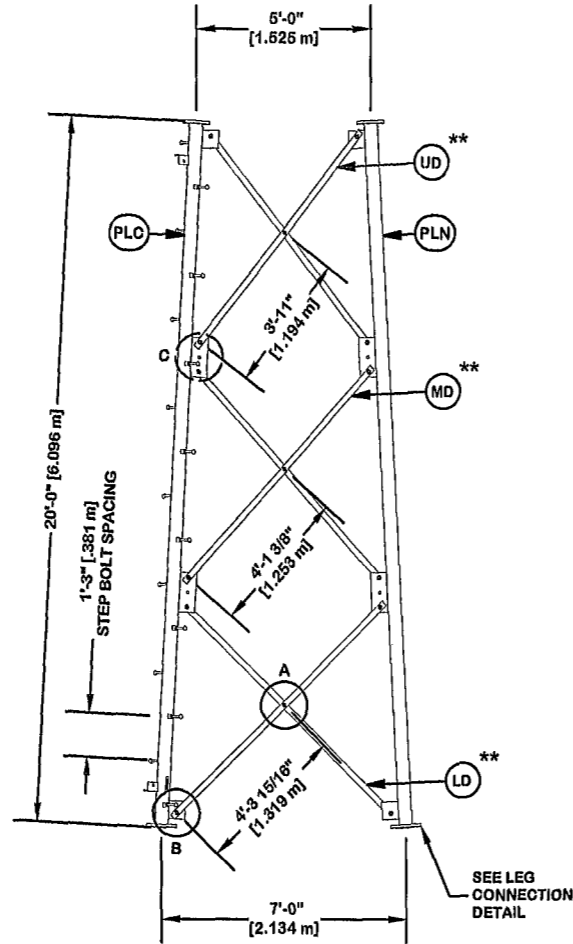
STRUCTURES

DWG. NO. 299701T
PAGE 13 OF 17

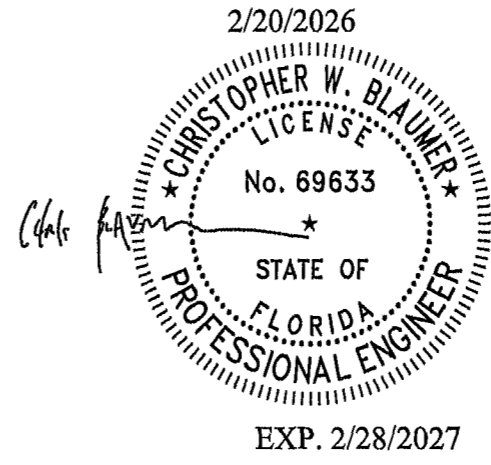
ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

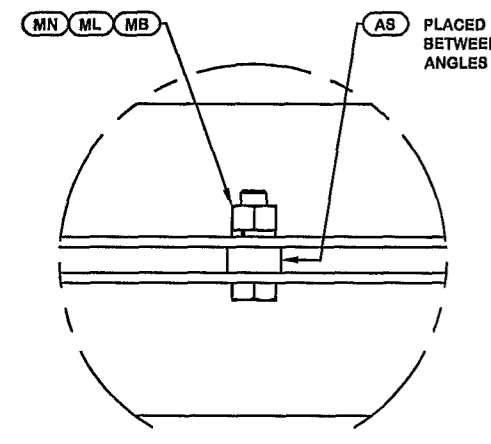
** DIAGONAL ANGLES MUST BE INSTALLED
WITH THE NON-BOLTED FACE UP, ↑↑
THIS MAY BE ON THE OPPOSITE SIDE OF THE
SIDE PLATE THAN WHAT IS SHOWN IN THE DETAIL.



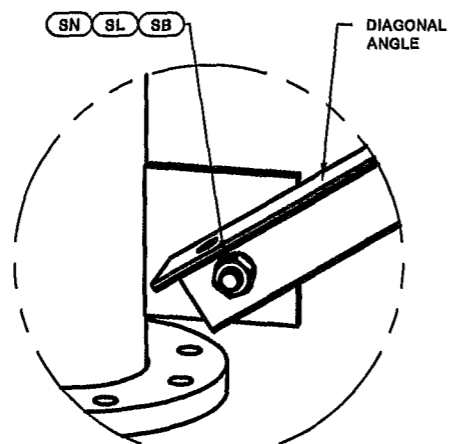
PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
PLC	1	226200	PIPE LEG SECTION - 20'-0" LENGTH (CLIMBING) - 5" S	389.610	389.610
PLN	2	226201	PIPE LEG SECTION - 20'-0" LENGTH (NON-CLIMBING) -	366.250	772.500
STP	16	285695	STEP BOLT ASSY 6/8"-11 X 7" W/(2)HEAVY HEX NUT	0.990	15.840
LD	6	284733	V-7 LOWER CLIPPED ANGLE - 2" X 2" X 3/16" ANGLE (A	21.610	129.060
MB	9	227680	6/8"-11 X 2-1/4" A325T BOLT (FULL THR) HDG	0.840	6.760
AS	9	293166	RING FILL SPACER 3/8" THICK 1.049" HOLE	0.080	0.540
MN	9	312501	6/8"-11 HOT DIPPED GALVANIZED NUT	0.120	1.080
ML	9	312123	6/8" GALVANIZED LOCKWASHER (53-22230)	0.020	0.180
SL	36	312163	3/4" GALVANIZED LOCKWASHER	0.030	1.080
SN	36	312602	3/4"-10 HOT DIPPED GALVANIZED NUT	0.190	6.840
SB	36	227679	3/4"-10 X 2-1/4" A-325T BOLT WITH FULL THREAD	0.420	15.120
MD	6	284732	V-7 MID ANGLE - 2" X 2" X 3/16" ANGLE (A572 GR. 50	20.440	122.640
UD	6	284731	V-7 UPPER ANGLE - 2" X 2" X 3/16" ANGLE (A672 GR.	19.370	116.220
LOB	24	227668	3/4"-10 X 3-1/2" A-325T BOLT WITH FULL THREAD	0.540	12.960
LOF	24	312162	3/4" GALVANIZED FLAT WASHER (F438)	0.080	1.920
LOL	24	312163	3/4" GALVANIZED LOCKWASHER	0.030	0.720
LON	24	312502	3/4"-10 HOT DIPPED GALVANIZED NUT	0.190	4.560
Total Wt				1596.63 lb [724.88 kg]	



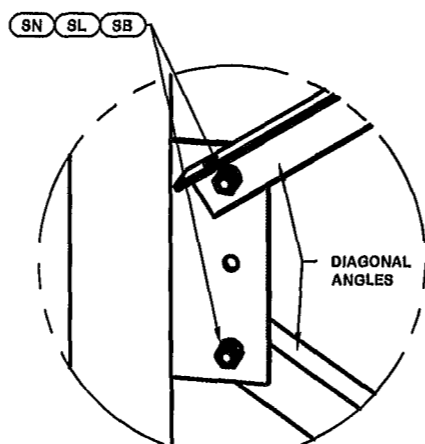
NOTE: THE VIEWS SHOWN BELOW ARE FOR PART IDENTIFICATION ONLY. THE ACTUAL PART STYLE MAY VARY FROM WHAT IS DEPICTED BELOW. PLEASE SEE ASSEMBLY INFORMATION IN THE UPPER LEFT CORNER FOR FURTHER INSTALLATION INSTRUCTIONS.



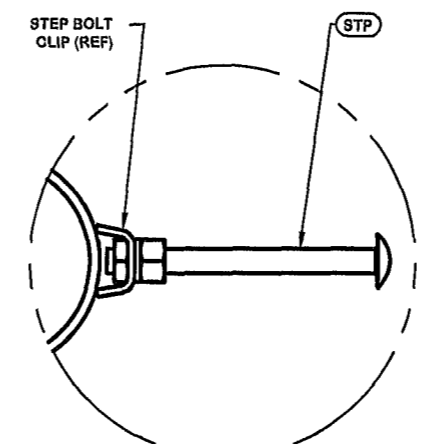
DETAIL A
ANGLE INTERSECTION CONNECTION



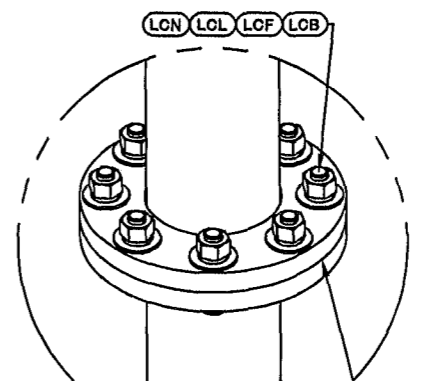
DETAIL B
END SIDE PLATE ANGLE CONNECTION



DETAIL C
MID SIDE PLATE ANGLE CONNECTION



STEP BOLT INSTALLATION



LEG TO LEG CONNECTION
(SIDE PLATES NOT SHOWN FOR CLARITY)

THE CONTRACTOR SHALL USE THE PROVIDED SHIM PLATES BETWEEN THE FLANGES AS NEEDED TO MAINTAIN PLUMB AND TWIST

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
REVISION HISTORY				

DRAWN BY KRC	APPROVED BY SAN	DESIGNED BY ES	APPROVED BY J_L	RELEASE DATE 2/17/2026
------------------------	---------------------------	--------------------------	---------------------------	----------------------------------

SITE SUWANNEE VALLEY TOWER, FL. FLORIDA TEL-CON, INC H 29 X 300'
COPYRIGHT 2022
PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION SECTION V-7.0 (220' - 240' ELEVATION)
ENG. FILE NO. 617129

valmont

1-877-467-4763 Plymouth, IN
1-800-547-2151 Salem, OR

STRUCTURES

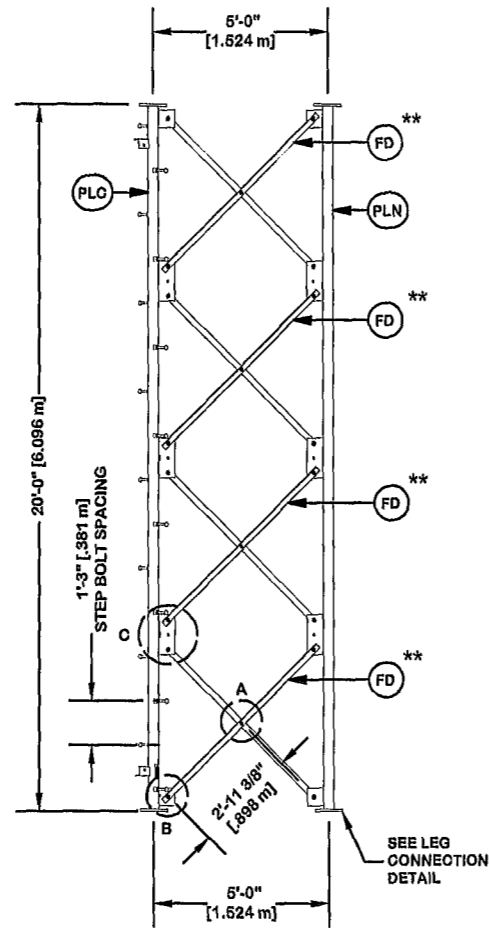
DWG. NO. **299701T**

PAGE **14 OF 17**

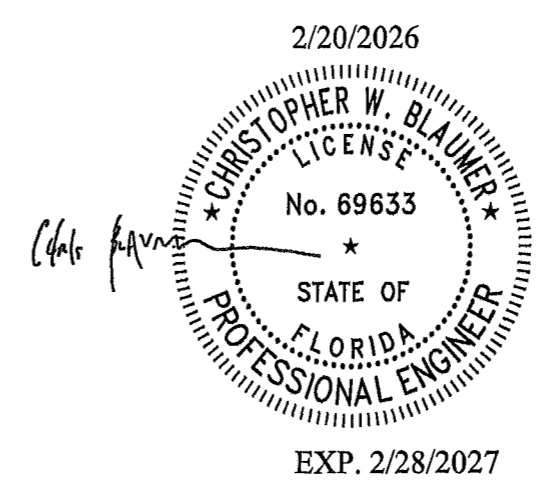
ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

INSTALL ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

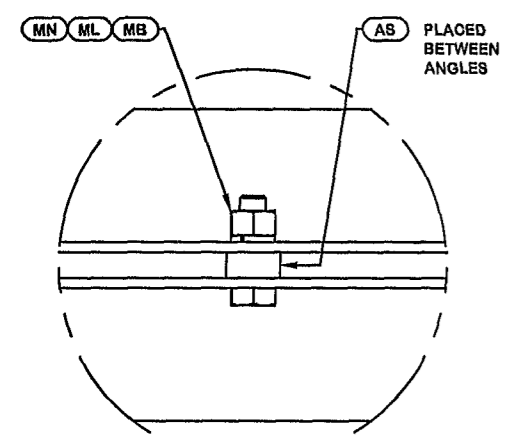
** DIAGONAL ANGLES MUST BE INSTALLED
WITH THE NON-BOLTED FACE UP. **↑**
THIS MAY BE ON THE OPPOSITE SIDE OF THE
SIDE PLATE THAN WHAT IS SHOWN IN THE DETAIL.



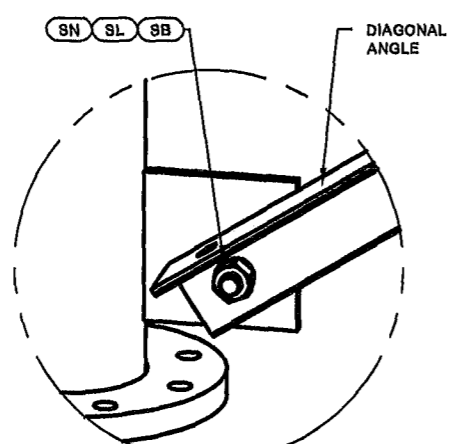
PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
PLC	1	295584	PIPE LEG SECTION 20'-0" (CLIMBING) 3" SCH. 80 PIPE	297.710	297.710
PLN	2	295585	PIPE LEG SECTION 20'-0" (NON-CLIMBING) 3" SCH. 80	284.730	569.460
STP	18	285595	STEP BOLT ASSY 5/8"-11 X 7" W/(2)HEAVY HEX NUT	0.990	16.840
FD	24	284981	V-5 DIAGONAL ANGLE - 2" X 2" X 3/16" ANGLE (A572 G)	15.900	381.600
ML	12	312123	5/8" GALVANIZED LOCKWASHER (B3-22230)	0.020	0.240
AS	12	116467	RING FILL SPACER 1/4" THICK 1.049" DIA HOLE	0.250	3.000
MB	12	227580	5/8"-11 X 2-1/4" A325T BOLT (FULL THR) HDG	0.640	7.680
MN	12	312501	5/8"-11 HOT DIPPED GALVANIZED NUT	0.120	1.440
SL	48	312153	3/4" GALVANIZED LOCKWASHER	0.030	1.440
SN	48	312502	3/4"-10 HOT DIPPED GALVANIZED NUT	0.190	9.120
SB	48	227579	3/4"-10 X 2-1/4" A-325T BOLT WITH FULL THREAD	0.420	20.160
LOB	18	227668	3/4"-10 X 3-1/2" A-325T BOLT WITH FULL THREAD	0.540	9.720
LOF	18	312152	3/4" GALVANIZED FLAT WASHER (F438)	0.080	1.440
LCL	18	312153	3/4" GALVANIZED LOCKWASHER	0.030	0.540
LON	18	312502	3/4"-10 HOT DIPPED GALVANIZED NUT	0.190	3.420
Total Wt				1322.61 lb	[600.67 kg]



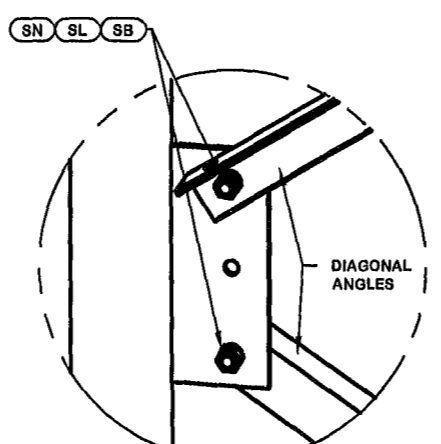
NOTE: THE VIEWS SHOWN BELOW ARE FOR PART IDENTIFICATION ONLY. THE ACTUAL PART STYLE MAY VARY FROM WHAT IS DEPICTED BELOW. PLEASE SEE ASSEMBLY INFORMATION IN THE UPPER LEFT CORNER FOR FURTHER INSTALLATION INSTRUCTIONS.



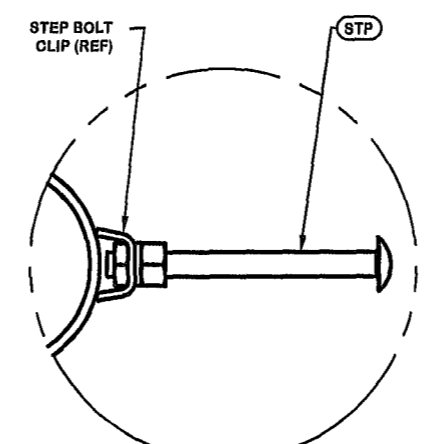
DETAIL A
ANGLE INTERSECTION CONNECTION



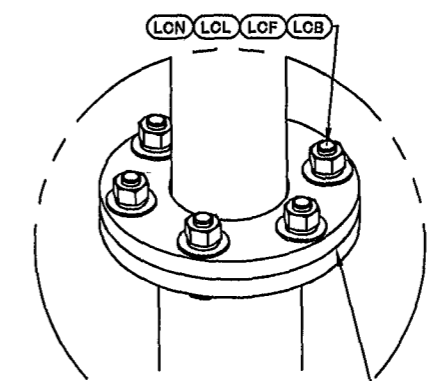
DETAIL B
END SIDE PLATE ANGLE CONNECTION



DETAIL C
MID SIDE PLATE ANGLE CONNECTION



STEP BOLT INSTALLATION



LEG TO LEG CONNECTION
(SIDE PLATES NOT SHOWN FOR CLARITY)

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
REVISION HISTORY				

SITE
SUWANNEE VALLEY TOWER, FL.
FLORIDA TEL-CON, INC
H 29 X 300'

COPYRIGHT 2022

DESCRIPTION
SECTION V-5.0 (240' - 260' ELEVATION)

valmont

1-877-467-4763 Plymouth, IN
1-800-547-2151 Salem, OR

STRUCTURES

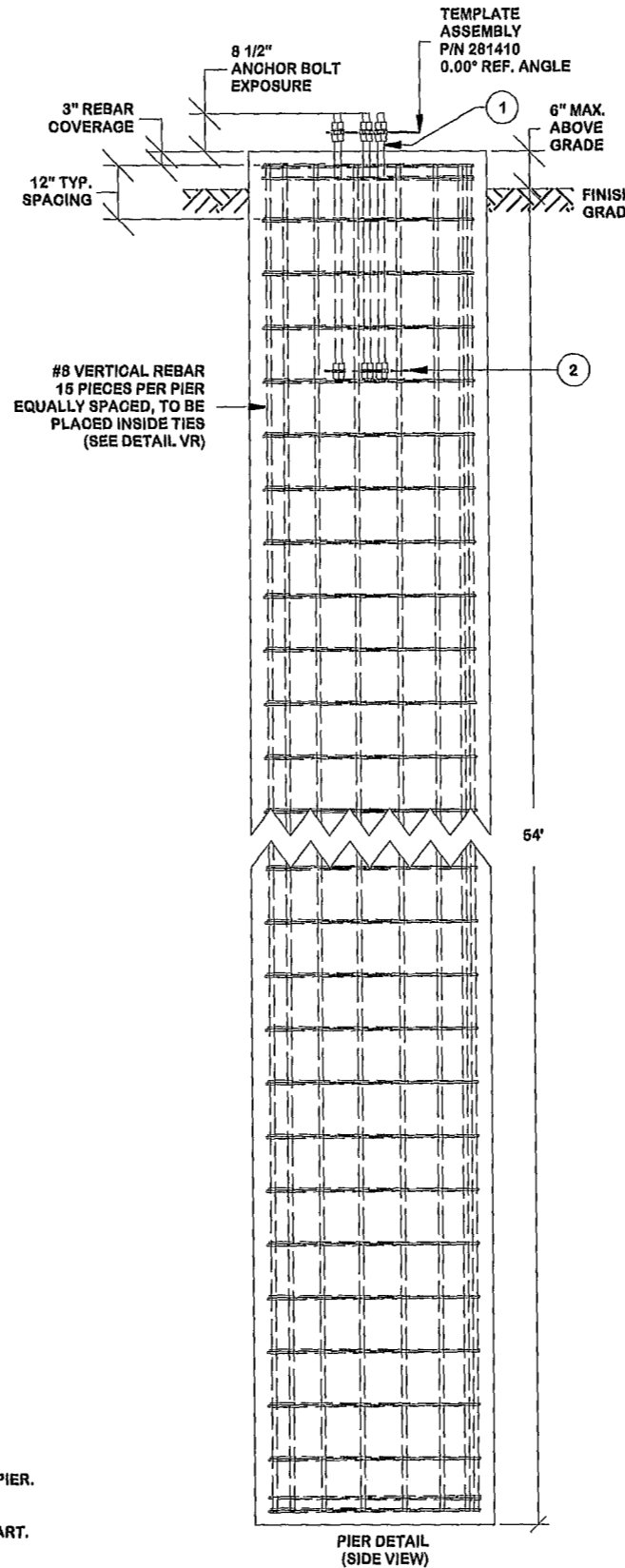
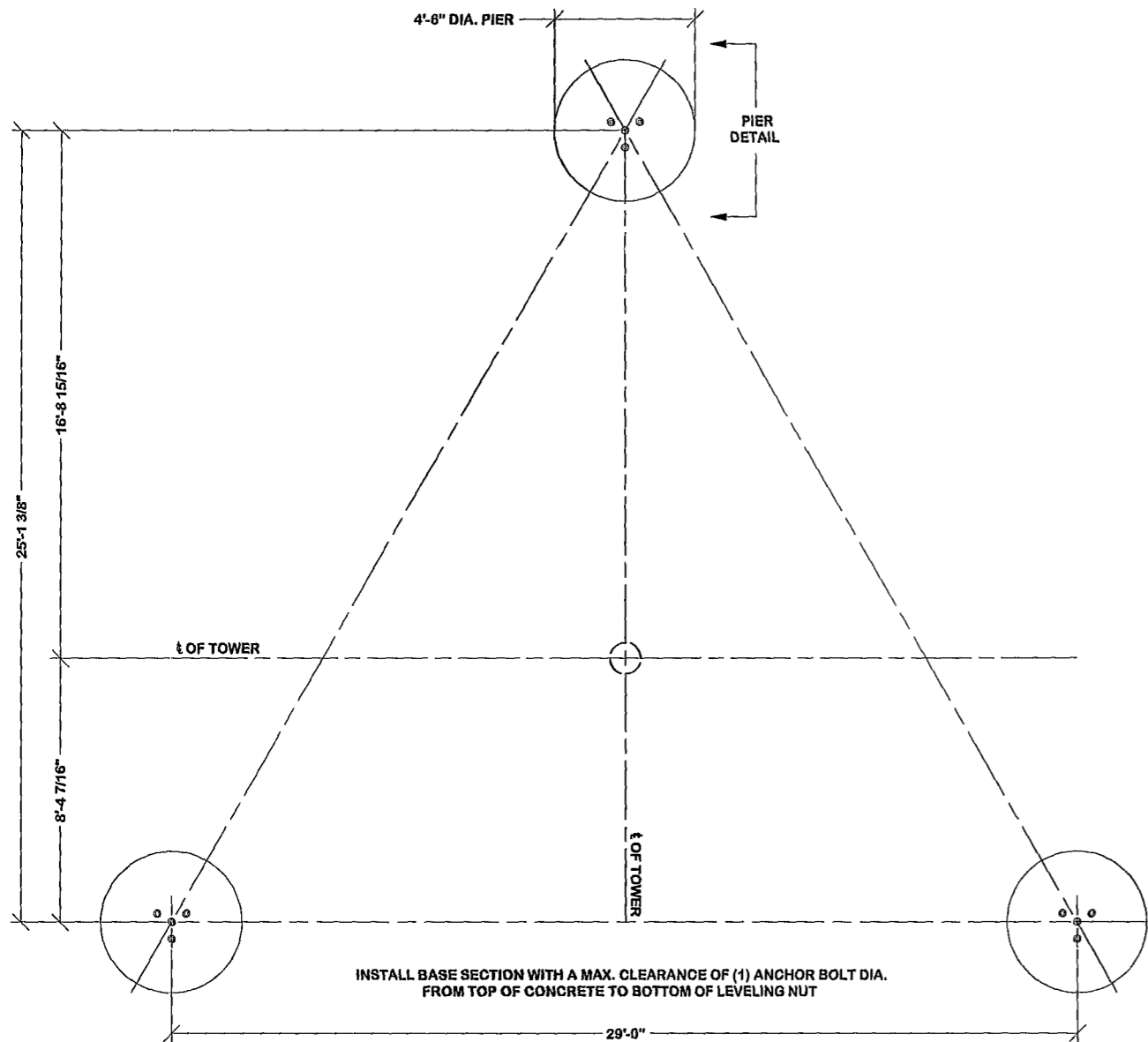
DRAWN BY KRC	APPROVED BY SAN	DESIGNED BY ES	APPROVED BY J_L	RELEASE DATE 2/17/2026
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PROPRIETARY NOTE:
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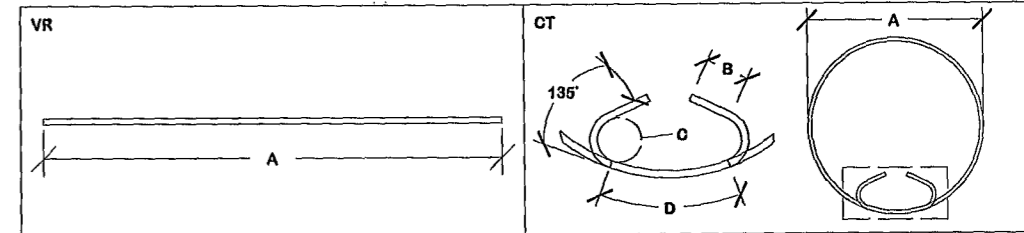


REBAR/ANCHOR STEEL TABLE				
ITEM	QTY	PART DESCRIPTION	UNIT WT.	NET WT.
1	12	1 1/2" DIA. x 60" LONG ANCHOR BOLT - 282819	36.63	439.63
2	3	EMBEDMENT PLATE - 281280	19.88	59.63

FOUNDATION NOTES:

- SOIL AS PER REPORT BY GEOTECHNICAL REPORT BY TEP, PROJECT NUMBER: 80013.1063668, DATED FEBRUARY 27, 2026
- REINFORCING BAR TO CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS. CONCRETE INSTALLATION TO CONFORM TO ACI-318 BUILDING REQUIREMENTS FOR REINFORCED CONCRETE. ALL CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH FREE OF WATER AND ALL FOREIGN OBJECTS AND MATERIALS. THREE INCHES OF CONCRETE SHALL COVER ALL REINFORCEMENT. WELDING OF REBAR NOT PERMITTED.
- A COLD JOINT IS PERMISSIBLE UPON CONSULTATION WITH VALMONT. ALL COLD JOINTS SHALL BE COATED WITH BONDING AGENTS PRIOR TO SECOND POUR.
- ALL REINFORCING STEEL TO BE FORMED INTO A CAGE PRIOR TO SETTING INTO POSITION IN THE EXCAVATED PIER.
- PERMANENT STEEL CASING SHALL NOT BE USED WITHOUT CONSENT FROM FOUNDATION DESIGNERS.
- BENDING, STRAIGHTENING OR REALIGNING (HOT OR COLD) OF THE ANCHOR BOLTS BY ANY METHOD IS PROHIBITED.
- CROWN TOP OF FOUNDATION FOR PROPER DRAINAGE.
- THE ON-SITE GEOTECHNICAL ENGINEER SHALL CONFIRM THAT THE IN SITU SOIL STRENGTHS MEET OR EXCEED THOSE PARAMETERS GIVEN IN THE SOIL REPORT.
- GRADE THE SITE TO DRAIN AWAY FROM FOUNDATION.
- PROVISIONS SHALL BE MADE TO PROTECT THE SUBGRADE FROM EXCESS MOISTURE.
- SEE GEOTECHNICAL REPORT FOR ADDITIONAL CONSTRUCTION RECOMMENDATIONS, BACKFILL COMPACTION DETAIL, SUBGRADE PREPARATION, ETC.
- A TEMPORARY, FULL LENGTH STEEL CASING MAY BE REQUIRED DURING INSTALLATION.
- DRILLING SLURRY AND TREMIE METHODS OF CONCRETE PLACEMENT MAY BE REQUIRED DURING INSTALLATION.

REBAR DETAIL									
BAR	QTY	SIZE	UNBENT LENGTH	A	B	C DIAMETER	D	UNIT WT.	NET WT.
CT	171	#4	14'-5 11/16"	4'	3"	3"	10 1/16"	9.67	1663.35
VR	45	#8	54'	64'				144.52	6503.32

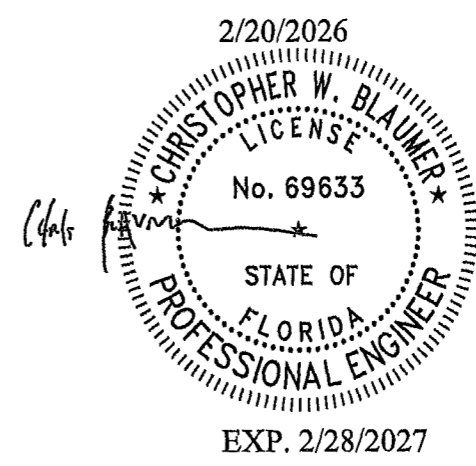
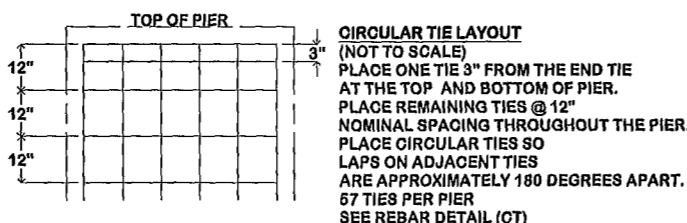


REBAR NOTES: ALL REINFORCING BARS MUST CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS

Rebar Class B Splice Length			
Bar Size	(in)	Bar Size	(in)
3	16	8	47
4	19	9	53
5	24	10	60
6	28	11	66
7	41		

ATTENTION CONTRACTOR INSTALLING ANCHOR BOLTS! USE 1 1/2" DIA. ANCHOR BOLTS SUPPLIED BY VALMONT. INSTALL ALL ANCHOR BOLTS WITH LONGER THREADED ENDS EXPOSED VERIFY THE PART NUMBER AND SIZES FOR ALL COMPONENTS ON THIS PAGE. IF THERE ARE ANY DISCREPANCIES, PLEASE NOTIFY VALMONT/PIROD, NO PRIOR TO INSTALLATION!	CONCRETE VOLUME	32.1 CU.YD. PER PIER (96.3 CU.YD. TOTAL)
	CONCRETE STRENGTH	4500 PSI @ 28 DAYS
	CONCRETE DENSITY	160 PCF

- TEMPLATE INSTALLATION NOTES:**
- THE PROVIDED TEMPLATE ASSEMBLY MUST BE USED TO ENSURE ACCURATE ANCHOR BOLT LOCATION & INSTALLATION ANGLE (BASE LEG REFERENCE ANGLE 0.00°).
 - USING THE TEMPLATE ASSEMBLY, THE CENTER OF EACH ANCHOR BOLT GROUP MUST BE LOCATED WITHIN (+/- 3") OF THE CENTER OF THE REBAR CAGE SHOWN ON THIS PLAN. FAILURE TO USE THE FULLY ASSEMBLED ANCHOR BOLT TEMPLATE WILL CAUSE MISS-LOCATION OF THE ANCHOR BOLT GROUPS. INCORRECTLY LOCATED ANCHOR BOLT GROUPS WILL CAUSE DIFFICULTY OR ALIGNMENT ISSUES DURING TOWER CONSTRUCTION. IN MORE SEVERE CASES, THIS CAN MAKE IT IMPOSSIBLE TO ERECT THE TOWER.
 - THE ENTIRE TEMPLATE ASSEMBLY MUST BE LEVEL +/- 1".
 - INSTALLED TEMPLATE CLEARANCE 2" MIN - 4" MAX T.O.C. TO BOTTOM OF LEVELING NUT.
 - MUST USE TEMPLATE ASSEMBLY# 281410



@A	UPDATED DRILLED PIER FOUNDATION	ESI	2/19/2026
REV	DESCRIPTION OF REVISIONS	CPD	BY DATE
REVISION HISTORY			
DRAWN BY	APPROVED BY	DESIGNED BY	APPROVED BY
KRC	SAN	ES	ESI
RELEASE DATE	PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.		
2/19/2026			

SITE	DESCRIPTION
SUWANNEE VALLEY TOWER, FL. FLORIDA TEL-CON, INC H 29 X 300'	DRILLED PIERS TOWER FOUNDATION #2
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STRUCTURES

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