

**COLUMBIA COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS**

**REQUEST FOR QUALIFICATIONS
2025-L
SUWANNEE VALLEY COMMUNICATIONS TOWER**

The Board of County Commissioners (County) will receive sealed qualifications in the office of Commissioners, 135 NE Hernando Avenue, Suite 203, Lake City, FL 32055, until **2:00 PM** local time on **JUNE 19, 2025** for the following:

SUWANNEE VALLEY COMMUNICATIONS TOWER

Columbia County proposes to construct a 300-foot Public Safety rated communications tower (Risk Category III-IV) site consisting of an E1/2 Dual LED Navigation and Obstruction beacon system.

To be eligible for consideration, all proposers must be registered in the State of Florida to practice their profession at the time of submittal. Proposers without a complete submittal described will be considered improper. The Request for Qualification Project information is available online only at: <https://www.columbiacountyfla.com/PurchasingBids.asp>

Submissions will be publicly opened in the Commissioner's Office at **2:00 PM, JUNE 19, 2025** or as soon thereafter as practical. Proposers are responsible for the delivery of submissions. Submissions may be withdrawn at any time prior to the opening. Late bids will not be accepted. Bids delivered in any other format other than specified in this solicitation will not be accepted. Questions regarding this solicitation must be received via email to ejones@columbiacountyfla.com no later than **JUNE 13, 2025** at **5:00 PM** local time. Responses to those questions considered material to the solicitation shall be distributed via formal addenda.

Columbia County welcomes your response to this solicitation. Qualifications should be prepared in accordance with the instructions herein and will be evaluated by the County as stated in the evaluation section of this document. The County reserves the right to waive any formalities, to reject any or all qualifications or to re-advertise for qualifications for these services. The County may withdraw all or part of this solicitation at any time to protect the interests of the County. All Proposers are asked to be thorough yet concise in their response. Failure to provide the response in the manner prescribed herein may be grounds for disqualification.

Only one bid set will be furnished with each company or corporation interested in bidding. The one complete bid set is to be submitted in a sealed envelope. Proposers shall indicate Bid Number, Project Title, and the name and address of the firm submitting the bid on the outside of the envelope.

All Proposers are advised that under Chapter 119, Florida Statutes, all responses are deemed a public record and open to the public as provided for in said statute.

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SECTION I. GENERAL INSTRUCTIONS

These instructions will bind bidders and conditions herein set forth, except as specifically qualified in special bid and contract terms issued with any individual bid.

1. The following criteria are used in determining low responsible bidder:
 - A. The ability, capacity and skill of bidder to perform required service.
 - B. Whether the bidder can perform service promptly or within specified time.
 - C. The character, integrity, reputation, judgment, experience and efficiency of bidder.
 - D. The performance of previous contracts with entities similar to Columbia County.
 - E. The suitability of equipment or material for County use.
 - F. The ability of bidder to provide future maintenance.
2. Payment Terms are net thirty (30) unless otherwise specified. Favorable terms, discounts, may be offered and will be considered in determining low bids if they are deemed by Purchasing Department to be advantageous to the County.
3. All bids should be tabulated, totaled and checked for accuracy. Unit price will prevail in case of errors.
4. All requested information shall be included in the envelope. All desired information must be included for your bid to receive full consideration.
5. If anything on the bid request is not clear, you should contact the Purchasing Director immediately.
6. A bidders list is available at the Purchasing Office.
7. Quote all prices F.O.B. our warehouse or as specified in bid documents.
8. Each proposal shall be clearly marked on the outside of the envelope including Fed Ex, UPS or other delivery service envelopes, as a sealed bid. The name of the item being bid shall be shown on the outside in full.
9. No responsibility shall attach to any County representative or employee for the premature opening of bids not properly addressed or identified.
10. If only one (1) bid is received, the bid may be rejected and re-advertised or excepted if determined to be in the counties best interest.
11. Bids received late will not be accepted, and the County will not be responsible for late mail delivery.
12. Telephone and facsimile bids will not be acceptable in formal bid openings (sealed bids). Should a bid be misplaced by the County and found later, it will be considered. Any bidder may request and shall receive a receipt showing the day and time any bid is delivered to the appropriate office of the County from the personnel thereof.
13. Bids requiring bid bonds will not be accepted if bond is not enclosed. Cash or certified check will be accepted in lieu of bond except on construction projects where cost exceeds \$40,000.
14. All bidders must be recognized dealers in the materials or equipment specified and is qualified to

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advise in their application or use. A bidder at any time requested must satisfy the Purchasing Office and the County Manager that he has the requisite organization, capital, plant, stock ability and experience to satisfactorily execute the contract in accordance with the provisions of the contract in which he is interested.

15. Any alterations, erasures, additions, or admissions of required information or any changes to specifications or bidding schedule are done at the risk of the bidder. Any bid will be rejected that has a substantial variation, that is; a variation that affects price, quantity, and quality or delivery date (when delivery is required by a specific time).
16. When requested, samples will be furnished to the County free of expense, properly marked for identification and accompanied by a list where there is more than one (1) sample. The County reserves the right to mutilate or destroy any sample submitted whenever it may be to the best interest of the County to do so for the purpose of testing.
17. The County will reject any material, supplies or equipment that did not meet the specifications, even though the bidder lists the trade names or names of such material on the bid or price quotation form.
18. The unauthorized use of patented articles is done entirely at the risk of the successful bidder.
19. The ESTIMATED QUANTITY given in the specifications or advertisements is for the purpose of bidding only. The County may purchase more or less than the estimated quantity and the vendor must not assume that such estimated quantity is part of the contract.
20. Only the latest model equipment as evidenced by the manufacture's current published literature will be considered. Obsolete models of equipment not in production will not be acceptable. The equipment shall be composed of new parts and materials. Any unit containing used parts or having seen any service other than the necessary tests will be rejected. In addition to the equipment specifically called for in the specification, all equipment catalogued by the manufacturer as standard or required by the State of Florida shall be furnished with the equipment. Where required by the State of Florida Motor Vehicle Code, vehicles shall be inspected and bear the latest inspection sticker of the Florida Department of Revenue.
21. The successful bidder on motor vehicle equipment shall be required to furnish with delivery of vehicle, certificate of origin and any other appropriate documentation as required by the Florida Motor Vehicle Department.
22. Prospective bidders are required to examine the location of the proposed work or delivery and determine, in their own way, the difficulties, which are likely to be encountered in the prosecution of the same.
23. All materials, equipment and supplies shall be subject to rigid inspection, under the immediate supervision of the Purchasing Department, its designee and /or the department to which they are delivered. If defective material, equipment, or supplies are discovered, the contractor, upon being instructed by the Purchasing Department or designee, shall remove, or make good such material, equipment, or supplies without extra compensation. It is expressly understood and agreed that the inspection of materials by the County will in no way lessen the responsibility of the Contractor release him from his obligation to perform and deliver to the County Sound and satisfactory materials, equipment, or supplies. The Contractor agrees to pay the costs of all tests upon defective material, equipment, or supplies or allow the costs to be deducted from any monies due him from

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the County.

24. Unless otherwise specified by the Purchasing Department all materials, supplies, or equipment quoted herein must be delivered within thirty (30) days from the day of notification or exceptions noted on bid sheets.
25. A contract will not be awarded to any corporation, firm, or individual who is, from any cause, in arrears to the County or who has failed in former contracts with the County to perform work satisfactorily, either to the character of the work, the fulfillment or guarantee, or the time consumed in completing the work.
26. Reasonable grounds for supposing that any bidder is interested in more than one proposal for the same item will be considered sufficient cause for rejection of all qualifications in which he is interested.
27. Submitting a proposal when the bidder intends to sublet the contract may be a cause for rejection of bids or cancellation of the contract by the County Manager.
28. Unless otherwise specified the County reserves the right to award each items separately or on a lump sum basis whichever is in the best interest of the County.
29. The County reserves the right to reject any and/or all quotations, to waive any minor discrepancies in the bids for all bidders equally, quotations, or specifications, when deemed to be in the best interest of the County and also to purchase any part, all or none of the materials, supplies, or equipment specified.
30. Failure of the bidder to sign the bid or have the signature of an authorized representative or agent on the bid proposal in the space provided will be cause for rejection of the bid. Signature must be written in ink. Typewritten or printed signatures may not be acceptable.
31. Any bidder may withdraw his/her bid at any time before the time set for the opening of the bids. No bid may be withdrawn in the thirty- (30) day period after bids are opened.
32. It is mutually understood and agreed that if at any time the Purchasing Department or designee shall be of the opinion that the contract or any part thereof is unnecessarily delayed or that the rate of progress or delivery is unsatisfactory, or that the contractor is willfully violating any of the conditions or covenants of the agreement, or executing the same in bad faith, the Purchasing Department or his/her designee shall have the power to notify the aforesaid contractor of the nature of the complaint. Notification shall constitute delivery of notice, or letter to address given in the proposal. If after three (3) working days of notification the conditions are not corrected to the satisfaction of the Purchasing Director, he shall thereupon have the power to take whatever action he may deem necessary to complete the work or delivery herein described, or any part thereof, and the expense thereof, so charged, shall be deducted from any paid by the County out of such monies as may become due to the said contractor, under and by virtue of this agreement. In case such expense shall exceed the last said sum, then and in that event, the bondsman or the contractor, his/her executors, administrators, successors, or assigns, shall pay the amounts of such excess to the County on notice made by the Purchasing Department or his/her designee of the excess due.
33. If the bidder proposes to furnish any item of foreign make or product, he shall write "foreign" together with the name of the originating country opposite such item on a proposal.

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34. Any complaint from bidders relative to the invitation to bid or attached specifications shall be made prior to the time of opening bids; otherwise, the bidder waives any such complaint.
35. Contracts may be cancelled by the County with or without cause on thirty- (30) days advance written notice.
36. All contractors submitting bids for road projects in excess of \$250,000 must be pre-qualified with the Florida Department of Transportation and shall provide proof of such qualification upon request.
37. Any bidder affected adversely by an intended decision with respect to the award of any bid, shall file with the Purchasing Department for Columbia County, a written notice of intent to file a protest not later than seventy-two (72) hours (excluding Saturdays, Sundays and legal holidays), after the posting of the bid tabulation. Protest procedures may be obtained in the Purchasing Department.
38. A person or affiliate who has been placed on the convicted vendor's list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to Columbia County, may not submit a bid on a contract with Columbia County for the construction or repair of a public building or public work, may not submit bids on leases of real property to Columbia County, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with Columbia County, and may not transact business with Columbia County for a period of 36 months from the date of being placed on the convicted vendor list.
39. Vendor/Contractor shall utilize the U.S. Department of Homeland Security's E-Verify system, in accordance with the terms governing use of the system, to confirm the employment eligibility of;
 - A. All persons employed by the Vendor/Contractor during the term of the Contract to perform employment duties within Florida; and
 - B. All persons, including subcontractors, assigned by the Vendor/Contractor to perform work pursuant to the contract with the County.
40. Contractor shall register on line at <https://www.columbiacountyfla.com/PurchasingBids.asp> for this specific project. All addendums are delivered via email through this website, and it is the contractor's responsibility to ensure all addendums are used in the bid submittal.

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SECTION II. INTRODUCTION

1. About Columbia County

Located near the intersection of Interstates 10 and 75, Columbia County is home to approximately 70,000 residents. The County seat and largest city is Lake City, with a population of approximately 12,000. Lake City is located approximately 45 minutes north of Gainesville, and just over an hour west of Jacksonville. The area is largely rural, and has historically been an agriculturally based economy. The County has seen an approximate 25% increase in population growth from 2000 through 2018. The State of Florida has designated Columbia County as an Economically Distressed Rural County. The US Federal Government confirmed that census tract 1103 is now a Florida Opportunity Zone. The Opportunity Zone has a median household income of approximately \$37,000, which is lower than the median household income for the State of Florida of \$59,000.

2. Project Information

Columbia County proposes to construct a 300-foot Public Safety rated communications tower (Risk Category III-IV) site consisting of an E1/2 Dual LED Navigation and Obstruction beacon system to be in place no later than December 31, 2025. Up to 45 days, Contract Acceptance Testing (CAT) and closeout will commence after independent Engineering Firm inspection approval. During this time, Contractor is responsible for addressing independent Engineering Firm's findings.

SECTION III. SCOPE OF WORK

Scope of work includes, and is not limited to a Phased Site Development:

Task 1: Site Engineering and Environmental Compliance

- A. Site survey with 2C letter (previously completed by Project Manager)
- B. Final Tower Steel and Foundation Drawings (Appendix C)
- C. Tower Ground System Drawings
- D. Zoning and Construction Permit drawings required by the County

Task 2: Implementation, Acceptance Testing and Project Management

- A. Coordinate and Manage the Project kickoff meeting
- B. Tower installation/implementation oversight
- C. Field acceptance testing
- D. Project management
- E. Tower steel and foundation per attached drawings
- F. Tower ground system per attached drawings
- G. Tower as built inspection by TEP (Tower Engineering Professionals)

Acceptance Testing

- A. As Built Drawing Deliverable
- B. Tower Infrastructure acceptance testing via independent Engineering Firm
 - a. Structural

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- b. Concrete Hardness
- c. Maintenance Inspection
- d. Loading
- C. Tower grounding/bonding inspection via independent Engineering Firm
 - a. Inspection of Cadweld joints before covering as not to disturb the earth
 - b. Fall of potential ground system test (5 ohms or less)

Awarded Contractor shall be a “Design Build Firm,” which is defined by Florida Statute 287.055 as a partnership, corporation, or other legal entity that:

- a) is certified under Florida Statute 489.119 to engage in contracting through a certified or registered general contractor or a certified or registered building contractor as the qualifying agent; or
- b) is certified under Florida Statute 471.023 to practice or to offer to practice engineering; or
- c) certified under Florida Statute 481.219 to practice or to offer to practice architecture; or
- d) certified under Florida Statute 481.319 to practice or to offer to practice landscape architecture.

SECTION VI. SPECIFICATIONS

Zoning and Construction Permits:

Awarded Contractor shall assume that the County will be exempt from any special use permits to construct the tower and that all construction permit fees will either be waived or paid by the County. Contractor will provide any necessary documentation required by the County to facilitate the zoning and construction permit process.

Construction ready site:

Contractor shall work with the County Project Manager (PM) to determine if any site back fill will be required. If necessary, the County will provide all materials, equipment and labor to bring the proposed site to the necessary elevation prior to beginning any construction work.

Compound Fencing:

The County will be responsible for the installation of the required compound fencing. The compound fencing shall be completed prior to Awarded Contractor “stacking” the tower for safety and liability issues.

Electrical Service:

The County will be responsible for providing at minimum two (2) 20Amp 120VAC circuits on a temporary pedestal with two (2) GFCI outlets in weather proof NEMA enclosures to the tower base. These circuits will be required to power the tower lights/controllers. Contractor shall connect temporary utility to tower lights to be in compliance with FAA.

A. Optional Site Electrical Service Installations:

- a. Single 200Amp Service with site panel (up to 100' service lateral)
- b. 800Amp Service with 6 gang multimeter center and site panel (up to 100' service lateral)

Major Equipment List:

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- A. One (1) Valmont 300' solid steel self-supporting tower per the attached drawings.
- B. Three (3) drilled pier concrete tower foundations per the attached drawings.
- C. One (1) dual medium intensity tower lighting system as required by the FAA.
- D. One (1) Ground ring with home run. *(note: special instructions for installing the home run Appendix B.)

Schedule of Values:

- A. Tower Foundations
- B. Tower Steel
- C. Safety Climb Ladder
- D. Tower Lighting System
- E. Tower Erection
- F. Tower Ground System
- G. Tower As-Built Inspection
- H. FCC ASR Filing
- I. Site Construction Staking
- J. Project Management
- K. Project Contingency

Project Milestones:

- A. Contract Execution / Notice to Proceed
- B. Completion of system Detailed Design Review
- C. Completion of infrastructure installations at the fixed end locations
- D. Infrastructure acceptance testing successfully completed
- E. Technical, Management Systems, and User/Operator training
- F. Test documentation submitted to the County
- G. Tower site infrastructure accepted, and warranty begins and ends

WORKMANSHIP

All workmanship shall conform to normal and accepted standards for the telecommunications industry and will be thoroughly examined by the County and/or their representatives at various stages during project implementation and before final acceptance. The tower structure and foundations, tower and site grounding and bonding systems, tower lighting systems, antenna mounts, and such shall be installed by, or under the direct supervision of the Awarded Contractor including electrical wiring.

SECTION VII. SUBMISSION REQUIREMENTS

Proposers shall submit one (1) original response, marked "Original", three (3) copies marked "Copy", and one (1) flash drive of the submittal setting forth qualifications must be received in a sealed envelope clearly marked on the outside with the Proposer's name and "**Sealed Qualifications for RFQ 2025-L SUWANNEE VALLEY COMMUNICATIONS TOWER**" by **2:00 PM EST on JUNE 19, 2025** addressed and delivered to:

**Columbia County Board of County Commissioners
135 NE Hernando Avenue, Suite 203
Lake City, FL 32055**

The deadline will be strictly observed. Qualifications delivered to any other office or location will be rejected as non-responsive. Qualifications shall be delivered by U.S. Mail, Federal Express or other such service or by hand. Delivery by facsimile or email is prohibited. It is the proposer's sole responsibility to ensure that its submittal is received at the proper location at or prior to the deadline.

Interested firms or individuals shall include the following information in their submittals in the exact order listed herein with separating page tabs in an 8.5 by 11-page format. Include page tabs

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so those evaluating the submittal can compare each section with others that are submitted. The qualifications shall be bound, or in a three-ring binder, or equivalent folder. The Proposer should not withhold any information from the written response in anticipation of presenting the information orally or in a demonstration.

Each Proposer shall submit adequate documentation to certify the Proposer's compliance with the County's requirements. Submissions shall be clear and concise and provide the information requested herein. The length of the entire submission shall not exceed fifty (50) pages in length not including Tabs 6 through 9.

Firms shall submit written qualifications and a proposed project approach, which clearly demonstrates their ability to provide quality services in a timely and cost-effective manner.

The qualifications will be opened publicly. At the opening of qualifications, the Board or designee shall prepare a register of qualifications, which shall include the name of each proposer.

Submittals shall include the following information:

Tab 1: Letter of Interest

Tab 2: Firm Experience and Background

Tab 3: Staff Experience and Background

Tab 4: Proposed Schedule

Tab 5: Project Understanding and Technical Approach

Tab 6: Certifications

Tab 7: References

Tab 8: Additional Materials

Tab 9: Forms

- A. Vendor Information and Signature Form
- B. Non-Collusion Affidavit
- C. Public Entity Crimes Form
- D. Drug-Free Workplace Certificate
- E. Conflict of Interest Statement
- F. Certificate Regarding Lobbying and Debarment, Suspension, and Other Responsibility Matters
- G. Human Trafficking Certificate
- H. Certificates of Insurance
- I. W-9
- J. Proposed Contract

SECTION VIII. SUBMISSION REVIEW

1. Evaluation Criteria

Submittal Quality and Completeness	0-15 points
Firm's Experience and Background	0-25 points

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Key Personnel	0-10 points
Project Schedule	0-20 points
Approach and Understanding	0-10 points
Certifications	0-10 points
References	0-10 points
TOTAL	0-100 points

2. Selection Process

An evaluation committee will review all submissions received prior to the aforementioned deadline. A shortlist of firms will be determined from the responses received. The shortlist of firms **may** be invited for an interview and site visit prior to a final selection. The committee's rankings will be forwarded as a recommendation to the Board of County Commissioners for their review and consideration.

Upon completion of the interview process, the committee will rank the firms. The committee will make a recommendation to the Board of Commissioners for approval to enter into contract negotiations with the firm selected as best suited to serve the needs of the County. If the negotiations with the first firm are unsuccessful, the committee will move to the second firm with similar negotiations and so on. Once an agreeable contract is in place, it will then be brought to the Board again for approval.

3. Proposed Timeline

Wednesday, June 4: Mandatory Pre-Bid Conference – 10:00am

Thursday, June 13: Deadline for Questions – 2:00pm

Tuesday, June 19: Bid Opening – 2:00pm

June 23-26: Evaluation Committee Meeting – TBD

Thursday, July 3: Board of County Commission Meeting– 9:30am

*All times and dates are subject to change.

4. Award/Rejection/Other

The County reserves the right to reject any and all qualifications, waive any formalities, technical errors, and irregularities, and to recommend the award of a contract as may be deemed in the best interest of the County.

All qualifications, materials, documents, etc. submitted in conjunction with the selection process shall become the property of the Board and may be disposed of without notification and shall be considered public information under Chapter 119, Florida Statutes.

The applicant selected shall be expected to comply with all federal, state, and local laws

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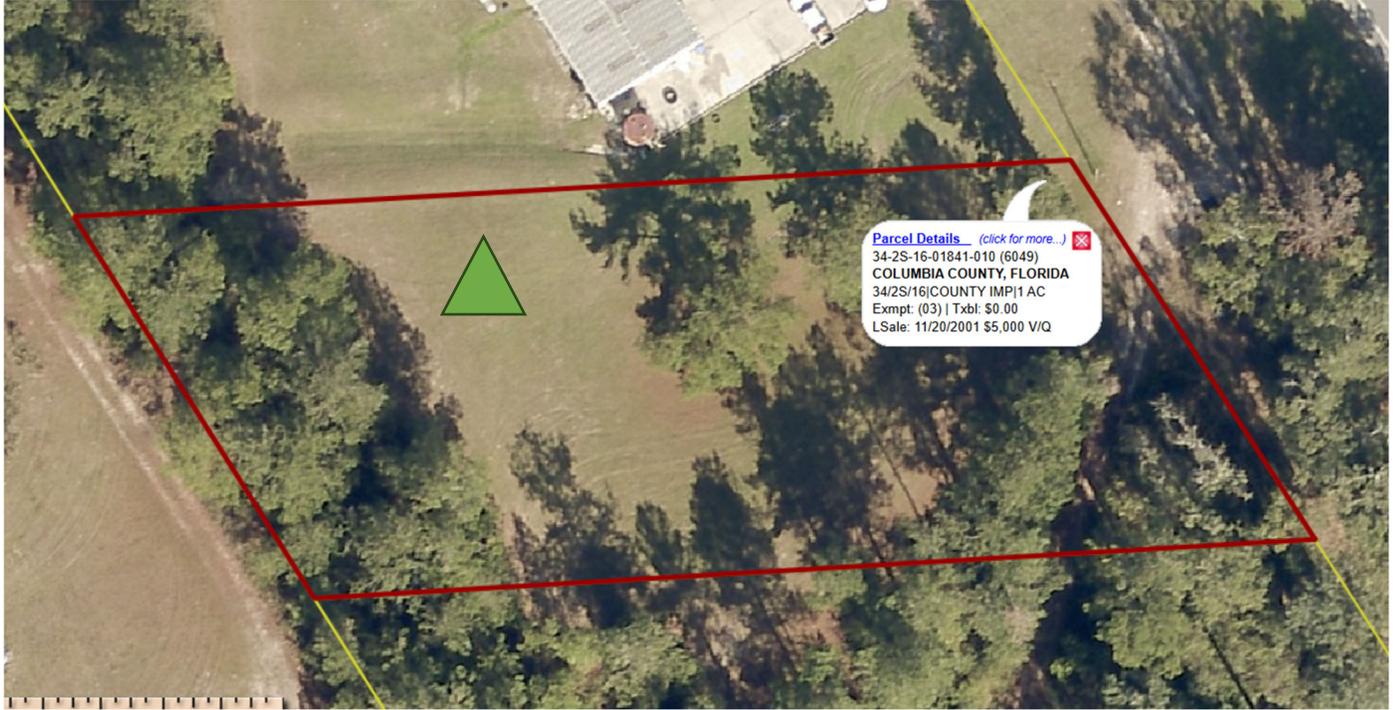
and regulations in the performance of services.

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APPENDIX A

Tower Site Location

Parcel | 34-2S-16-01841-010



Tower Loading

SVFS 300-FOOT Self Supporting Tower							
System	Antenna Model	Antenna Mount	Antenna Height	TX Line	Azimuth	Use	Antenna Number
P25 System	SC488-HF1SNF	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-HF1SNF	6' Sidearm Mount	300'	1 5/8" COAX	OMNI	FUTURE (State RX)	2
FUTURE (State)	TTA	(2) 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-HF1SNF	(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	(2) MW Pipe Mount	260'	Ethernet	TBD	Unlicensed MW Radio	N/A
FUTURE (State)	(2) SC488-HF1SNF	(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
Commercial Carrier 1	250 sq. ft. EPA	(3) Sector Mounts	200'	(12) 1 5/8"	0,120,240	Wireless Network	8
Licensed MW	HP6-65	MW Pipe Mount	180'	(1) EW 52	TBD	Main	9
Licensed MW	HP6-65	MW Pipe Mount	180'	(1) EW 52	TBD	Main	10
Unlicensed MW	(2) SPD2-5.2	(2) MW Pipe Mount	170'	(2) Ethernet	TBD	Unlicensed MW	11
Unlicensed MW Radio Unit	(2) MW Radio	(2) MW Pipe Mount	170'	(2) Ethernet	TBD	Unlicensed MW Radio	N/A
Commercial Carrier 2	250 sq. ft. EPA	(3) Sector Mounts	160'	(12) 1 5/8"	0,120,240	Wireless Network	12
Licensed MW	HP6-65	MW Pipe Mount	145'	(1) EW 52	TBD	Diversity	13
Licensed MW	HP6-65	MW Pipe Mount	145'	(1) EW 52	TBD	Diversity	14
Commercial Carrier 3	250 sq. ft. EPA	(3) Sector Mounts	130'	(12) 1 5/8"	0,120,240	Wireless Network	15
* All MW shall be considered 6GHz for twist and sway calculations							
* The tower shall be designed with a Risk Category III-IV							
* The tower shall be designed with a Risk Category III-IV							
* No tower member loading shall exceed 90%							
* Tower Shall Be Valmont U29 Series Olympus Self-Supporting Tower (See Reference Drawing)							

Underground service requirements

1. Service entrance capacity must be sized to accommodate the anticipated load.
2. You must install an SVEC-approved 200-amp meter socket in the SVEC-approved location.
3. You must provide adequate grounding in accordance with National Electrical Code and local building authorities.
4. You must install underground conduit per SVEC specifications, and conduit must pass SVEC inspection.
 - a. Conduit must be gray electrical 2" or larger schedule 40 PVC on SVEC's side of the meter.
 - b. Conduit must be buried a minimum of 32" deep.
 - c. Ninety-degree, 36" sweeps ("long sweeps") must be installed at both ends of the conduit.
 - d. Consumer supplied conduit requires minimum burial depth of 32", colored dye glue, nylon pull string, removable end caps, and sight pipes in middle and 15 ft. from ends.
5. Schedule 40 PVC conduit of 3/4" or larger must be installed for a fiber broadband/internet cable in the same trench and stubbed out on both ends at least 6" above ground level. The remainder of the installation specifications for this second conduit are the same as in paragraphs 4 b-d above.

Stand Alone Mount

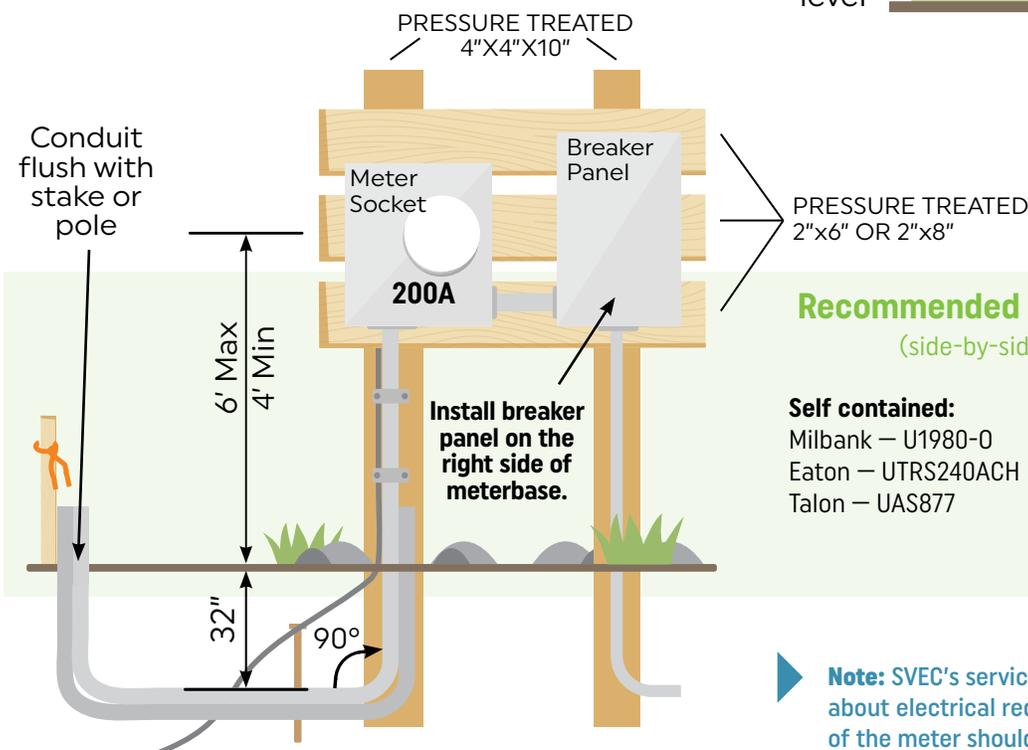


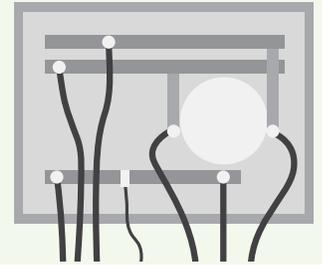
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Meter Connections

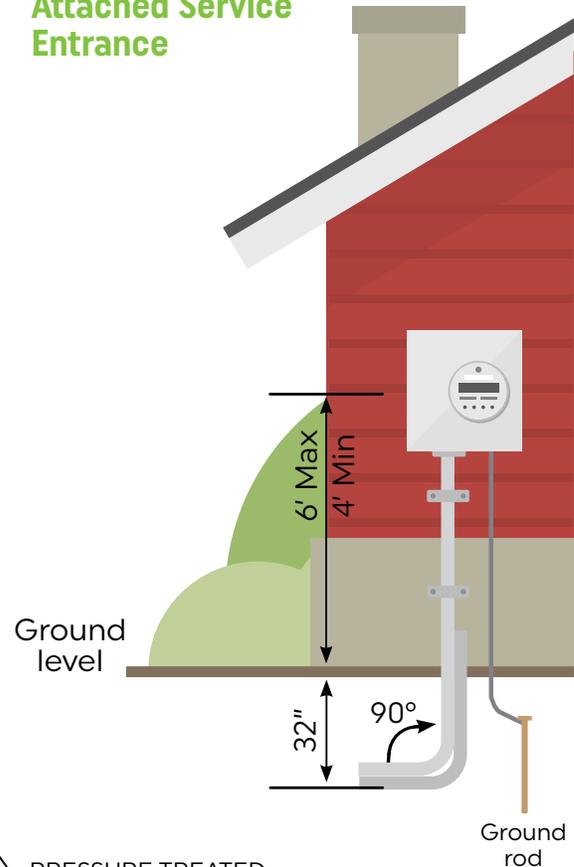
Left:
SVEC connections

(Member's wires are prohibited on this side of meter socket)

Right:
Member connections



Attached Service Entrance



Recommended 200 amp meter sockets

(side-by-side wire layout required)

Self contained:

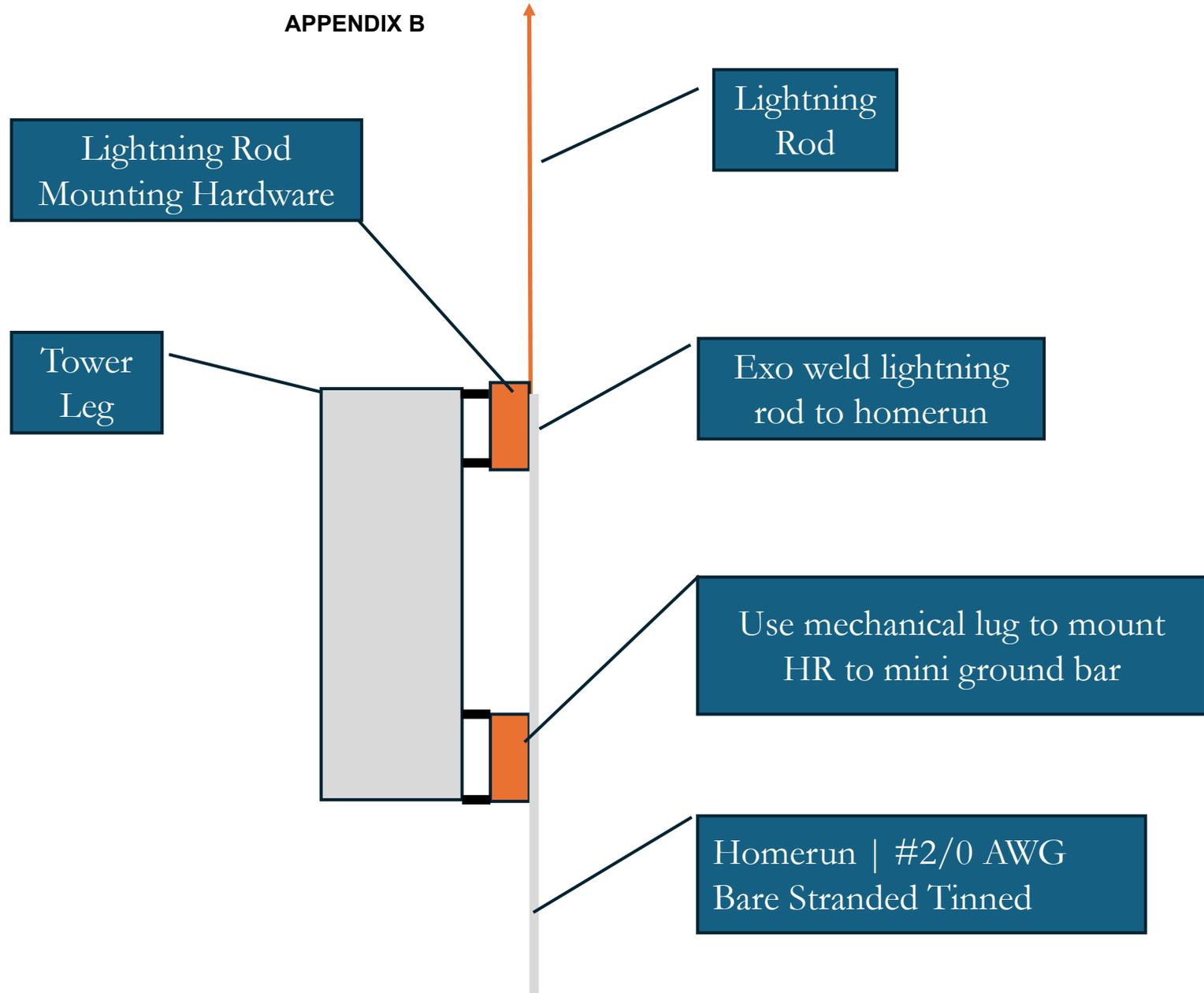
Milbank – U1980-0
Eaton – UTRS240ACH
Talon – UAS877

Combination:

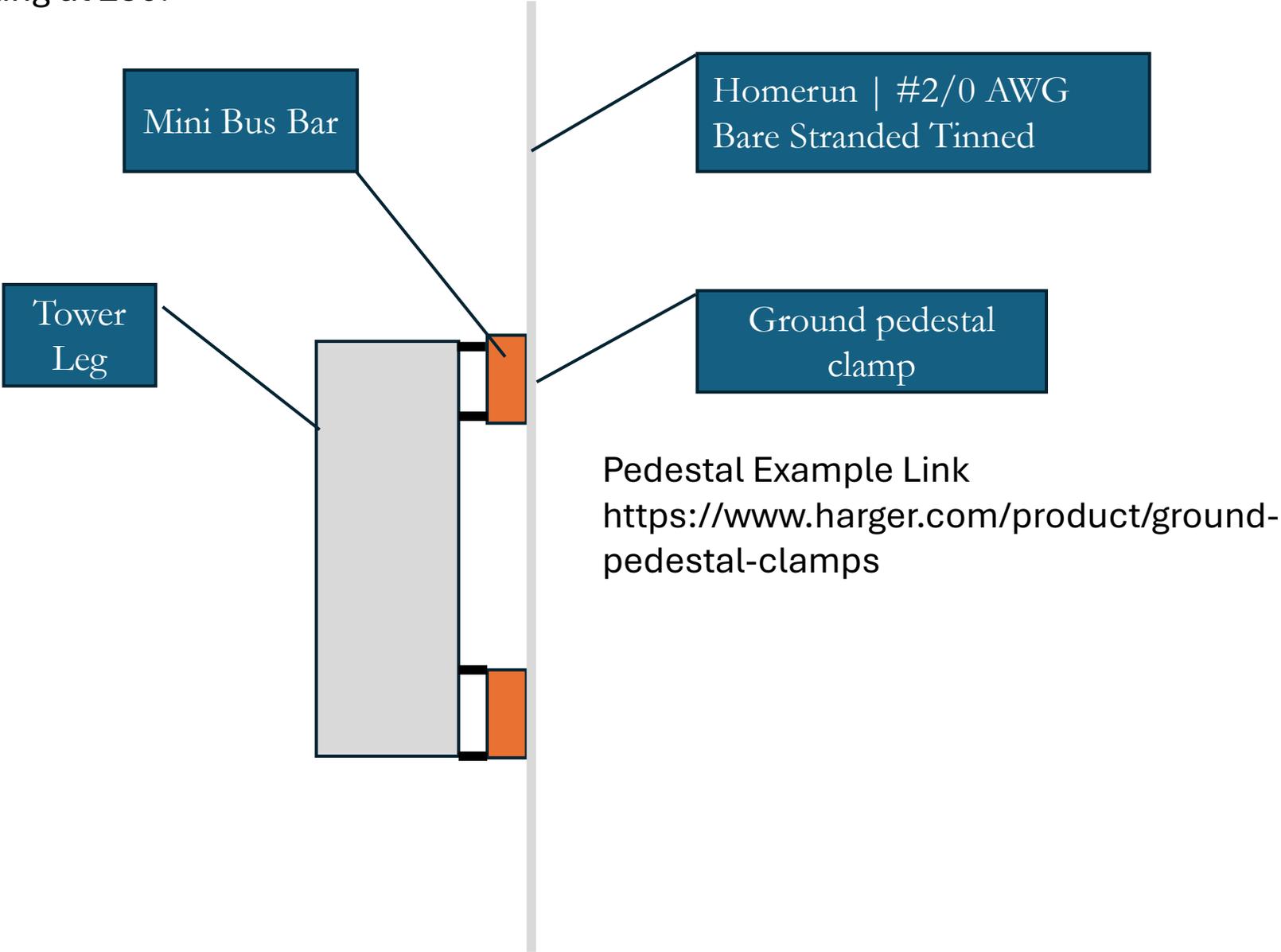
(meter socket & breaker panel)
Siemens –
ME0816B1200RTD

Note: SVEC's services end at the meter. Questions about electrical requirements on the member's side of the meter should be directed to the county building department.

APPENDIX B



Repeat every 50ft starting at 250.



APPENDIX C



Date: February 27, 2025

Chris Monzingo
Omnicom Consulting Group
2418 Mill Creek Ct., Ste 2
Tallahassee, FL 32308
(850) 792-4723

FL COA# 31011
326 Tryon Road
Raleigh, NC 27603
(919) 661-6351
Geotech@tepgroup.net

Subject: Subsurface Exploration Report

Omnicom Designation:	Site Name:	SVFS #42
Engineering Firm Designation:	TEP Project Number:	60013.1063668
Site Data:	US HWY 41 South, Lake City, FL 32055 (Columbia County) Latitude N30° 16' 40.0", Longitude W82° 41' 55.1" 300 Foot – Proposed Self Supporting Tower	

Chris Monzingo,

TEP is pleased to submit this “**Subsurface Exploration Report**” to evaluate subsurface conditions in the tower area as they pertain to providing support for the tower foundation.

This report has been prepared in accordance with generally accepted geotechnical engineering practice for specific application to this project. The conclusions in this report are based on the applicable standards of TEP’s practice in this geographic area at the time this report was prepared. No other warranty, expressed or implied, is made.

TEP assumes the current ground surface elevation, tower location and subsequent centerline provided are correct and are consistent with the elevation and centerline to be used for construction of the structure. Should the ground surface elevation be altered and/or the tower location be moved or shifted TEP should be contacted to determine if additional borings are necessary.

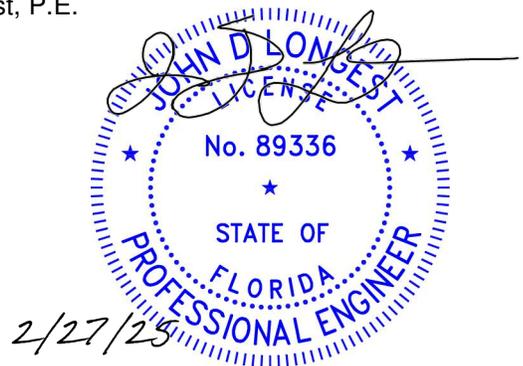
The analyses and recommendations submitted herein are based, in part, upon the data obtained from the subsurface exploration. The soil conditions may vary from what is represented in the boring log. While some transitions may be gradual, subsurface conditions in other areas may be quite different. Should actual site conditions vary from those presented in this report, TEP should be provided the opportunity to amend its recommendations, as necessary.

We at TEP appreciate the opportunity of providing our continuing professional services to you and Omnicom. If you have any questions or need further assistance on this or any other project, please give us a call.

Report Prepared/Reviewed by: Zeke A. Buchta, G.I.T. / John D. Longest, P.E.

Respectfully submitted by:

John D. Longest, P.E.



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1) PROJECT DESCRIPTION

It is understood a self supporting tower is being planned for construction at the above referenced site. The structure loads can be obtained from the tower manufacturer.

2) SITE EXPLORATION

The field exploration included the performance of one soil test boring (B-1). The boring was advanced to the planned depth of 80 feet below ground surface (bgs) at the approximate location of the proposed self supporting tower. The boring was performed by a track mounted drill rig using mud rotary drilling techniques to advance the hole. Split-spoon samples and Standard Penetration Test (SPT) resistance values (N-values) were obtained in accordance with ASTM D1586 at a frequency of five samples in the top 10 feet and two samples in every 10 feet thereafter.

The Split-spoon samples were transported to the TEP laboratory where they were classified by a qualified representative of the Geotechnical Engineer in general accordance with the Unified Soil Classification System (USCS), using visual-manual identification procedures (ASTM D2488).

A boring location plan showing the approximate boring location and the boring log presenting the subsurface information obtained, accompanied with a brief guide to interpreting the boring log, are included in Appendix A and B, respectively.

3) SITE CONDITIONS

The site is located at US HWY 41 South in Lake City, Columbia County, Florida. The proposed tower and compound are to be located in a sparsely wooded area with large open grassy clearances. The ground topography is relatively level.

4) SUBSURFACE CONDITIONS

The following description of subsurface conditions is brief and general. For more detailed information, the individual boring log contained in Appendix B may be consulted.

4.1) Soil

The USCS classification of the soils encountered in the boring include SP, SC, and CL. The Standard Penetration Resistance ("N" Values) recorded in the subsurface materials range from 3 blows per foot of penetration to 50 blows with 1 inch of penetration.

4.2) Rock

Weathered limerock was encountered at a depth of 68.5 feet (bgs) in the boring. Refusal of auger advancement was not encountered in the boring.

4.3) Subsurface Water

Subsurface water was encountered at a depth of 4.8 feet (bgs) in the boring at the time of drilling. It is anticipated that the seasonal high water level could rise to a depth of 2 feet (bgs). It should be noted the subsurface water level will fluctuate during the year due to seasonal variations, precipitation events and construction activity in the area.

4.4) Frost

The Telecommunications Industry Association (TIA) frost depth for Columbia County, Florida is 0 inches.



5) TOWER FOUNDATION ANALYSIS

Based on the boring data, it is the opinion of TEP that a pier for each leg extending to a single large mat foundation, an individual pier and spread footing for each leg or a single drilled shaft for each leg can be used to support the new tower. The following presents TEP's conclusions and recommendations regarding the foundation types.

5.1) Shallow Foundation

Based on preliminary site information, the site is located on relatively level ground. It is recommended that foundation designs account for site grades being raised with excavation spoils or that foundation drawings specify minimum embedment depths based on existing site elevations and factor in ground slopes.

The following values may be used for design of a shallow foundation. The foundation should bear with sufficient depth to withstand overturning of the tower. To resist the overturning moment, the weight of the concrete and any soil directly above the foundation can be used. The values provided in Table 1 consider ground surface elevation at the time of the subsurface exploration and undisturbed, native materials. Due to the construction process disturbing the in-situ soils and reducing the soil densities above the new foundation from those provided in Table 1, TEP recommends that the foundation designer specify a minimum depth and unit weight for compacted backfill to resist overturning of the new shallow foundation.

Table 1 – Shallow Foundation Design Parameters

Depth (feet)		Subsurface Material	Gross Ultimate Bearing ^{1,2} (psf)	Cohesion ¹ (psf)	Friction Angle ¹ (degrees)	Effective Unit Weight (pcf)	Friction Factor
Top	Bottom						
0	2	SP	2775	-	29	106	0.35
2	4	SP	3100	-	29	41	0.35
4	6	SP	4375	-	30	43	0.36
6	8	SP	4550	-	29	41	0.35
8	13.5	SC	5950	-	30	43	0.36

Notes:

- 1) These values should be considered ultimate soil parameters.
- 2) Bearing values consider a foundation width ranging from 8 to 40 feet and less than 1 inch of total settlement.

Due to the loose saturated nature of the soils at the site, the installation of shallow foundations may prove to be difficult. It is likely that more advanced dewatering measures will be necessary to successfully install a foundation in these difficult conditions below 2 feet (bgs). Installation of well points to remove excess moisture from the soils to a workable depth will likely be necessary. Once well points are installed they should be able to operate somewhat continuously and reliably as frequent wetting and drying of the soils will reduce their overall performance in bearing, in maintaining an open excavation, and ability for soils to be properly compacted following foundation installation. It may be necessary for a contractor to perform test pits or an additional preliminary exploration at the site to determine the extent of dewatering necessary.

The soils at this site will likely deteriorate once disturbed, and further when left exposed. Following evaluation by an experienced geotechnical engineer, soils at the bearing layer should be protected by placing a lean concrete mix "mud mat" in the base of the excavation to protect the soils from drying and rewetting as well as construction activity.



5.2) Drilled Shaft Foundation

The following values may be used for design of a drilled shaft foundation. TEP recommends the side frictional and lateral resistance values developed in the top section of the caisson for a depth equal to half the diameter of the caisson be neglected in design calculations. Design of drilled shaft foundations should ensure termination in a known material. The values presented in Table 2 are based on the ground surface elevation at the time of the subsurface exploration.

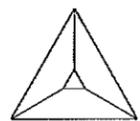
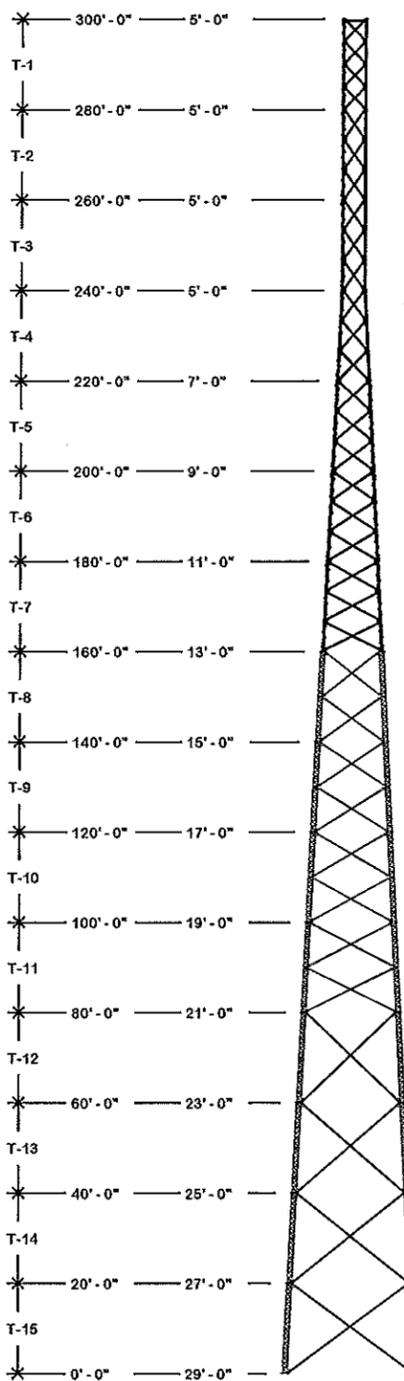
Table 2 – Drilled Shaft Foundation Design Parameters

Depth (feet)		Subsurface Material	Gross Ultimate Bearing ¹ (psf)	Ultimate Side Frictional Resistance ¹ (psf)	Cohesion ¹ (psf)	Friction Angle ¹ (degrees)	Effective Unit Weight (pcf)
Top	Bottom						
0	2	SP	975	40	-	29	106
2	4	SP	1600	100	-	29	41
4	6	SP	2800	130	-	30	43
6	8	SP	2875	160	-	29	41
8	13.5	SC	4400	240	-	30	43
13.5	18.5	SC	9225	360	-	32	50
18.5	23.5	CL	16325	1260	2300	-	50
23.5	28.5	SC	13600	560	-	31	50
28.5	33.5	CL	8650	960	1750	-	50
33.5	38.5	CL	7200	440	800	-	51
38.5	43.5	SC	17500	1200	-	40	53
43.5	48.5	SC	4375	1190	-	36	52
48.5	53.5	CL	3625	220	400	-	47
53.5	58.5	SC	41775	1490	-	37	52
58.5	63.5	SC	10425	2070	-	45	55
63.5	68.5	CL	8700	520	950	-	51
68.5	73.5	Weathered Limerock	137425	2440	-	45	62
73.5	78.5	Weathered Limerock	143575	2650	-	45	62
78.5	80	SC	155350	2780	-	45	55

Notes:

- 1) These values should be considered ultimate soil parameters.





SEE PAGE 2 FOR APPURTENANCES

Tower Design Criteria:

Ref. Standard (2014 FBC): TIA-222-G*
 Basic Wind Speed (Vasd): 101 mph (no ice)
 Service Wind Speed: 60 mph (deflection only)
 Structure Class: III
 Exposure: C
 Topographic Category: 1
 Crest Height: 0 ft.

Tower Design Criteria:

Building Code: 2014 Florida Building Code
 Basic Wind Speed (Vult): 130.4 mph (no ice)
 Service Wind Speed: 60 mph (deflection only)
 Risk Category: III/IV
 Exposure: C
 Topographic Category: 1
 Crest Height: 0 ft.

MATERIAL STRENGTHS

Solid Rod A36 (rod dia. <3/4")
 A572 Gr.50 (3/4" thru 1" dia.)
 A572 Gr.58 (>1" dia. T12 - T19)
 Pipe A500 Gr.B (antenna pipes)
 A572 Gr.B/C (tower legs min. Fy 50 ksi)

Angle A36 Gr.36

Plate A572 Gr.50

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

Anchor Bolts: F1554 grade 105 or A687

Finish: Tower & Hardware are hotdip galvanized

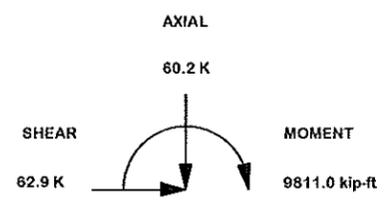
*Factored Reactions provided per TIA-222-G Design Criteria & Load Combinations

- 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 & RCSC 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 58 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.

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'	5.0'	4	2.50"	V	4 x 3/4"	1/8" x 2" x 2"	3/16" x 2" x 2"	1 x 3/4"	932.41
T2	260' - 280'	5.0'	3	4.00"	V	6 x 1"	3/16" x 2" x 2"		1 x 3/4"	1262.90
T3	240' - 260'	5.0'	3	5.00"	V	8 x 3/4"	3/16" x 2" x 2"		1 x 3/4"	1576.45
T4	220' - 240'	7.0'	3	5.00"	V	8 x 3/4"	3/16" x 2" x 2"		1 x 3/4"	1622.24
T5	200' - 220'	9.0'	3	6.00"	V	8 x 3/4"	3/16" x 2" x 2"		1 x 3/4"	1972.29
T6	180' - 200'	11.0'	3	6.00"	V	8 x 3/4"	3/16" x 2" x 2"		1 x 3/4"	2046.39
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"	2476.95
T8	140' - 160'	15.0'	2	1.50"	12BDFH	6 x 1"	3/16" x 3" x 3"		1 x 1"	2609.13
T9	120' - 140'	17.0'	2	1.75"	12BDFH	6 x 1 1/4"	5/16" x 3" x 3"		1 x 1"	3645.33
T10	100' - 120'	19.0'	2	1.75"	12BDFH	6 x 1 1/4"	5/16" x 3" x 3"		1 x 1"	3820.35
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"	3854.73
T12	60' - 80'	23.0'	1	2.00"	12BDH2	12 x 1"	3/16" x 3" x 3"		1 x 7/8"	4181.88
T13	40' - 60'	25.0'	1	2.00"	12BDH2	12 x 1"	1/4" x 3-1/2" x 3-1/2"		1 x 7/8"	5076.99
T14	20' - 40'	27.0'	1	2.25"	12BDH2	12 x 1"	1/4" x 3-1/2" x 3-1/2"		1 x 7/8"	5710.35
T15	0' - 20'	29.0'	1	2.25"	12BDH2	12 x 1"	1/4" x 3-1/2" x 3-1/2"		1 x 7/8"	5753.43

Reference Drawing for Style and Look.

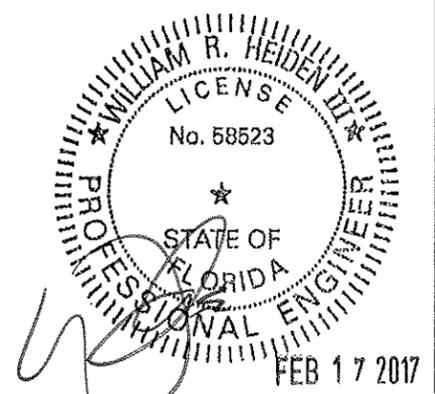
Reactions - No Ice



MAX. CORNER REACTIONS AT BASE:

DOWN: 410.7 K
 UPLIFT: -345.0 K
 SHEAR: 41.3 K

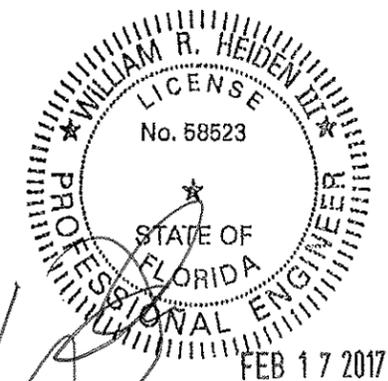
TORQUE 42.8 kip-ft
 REACTIONS 101.0 mph WIND (no ice)



@A <ACBATCH>		SKK 2/17/2017		SITE COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300'		DESCRIPTION Tower View Page 1		 1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR		PAGE 1 OF 17
REVISION HISTORY		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.		COPYRIGHT 2013		STRUCTURE APPROVAL SKK 2/17/2017		FOUNDATION APPROVAL		
								DWG. NO. 272821T		

DESIGNED APPURTENANCE LOADING	
TYPE	ELEVATION
(1) 20' ADJUSTABLE BEACON EXTENDER	300.0000
(1) 21' LRE WITH 7'-6" LIGHTNING ROD (ARM=11.5')	300.0000
(1) 6' BOGNER MOUNT HEAVY DUTY	300.0000
(1) 6' PIVOT SIDE ARM (60" PIPE)	300.0000
(1) BEACON	300.0000
(1) DB224A	300.0000
(1) SRL410C-18	300.0000
(1) TMA (12"X12"X8")	300.0000
(2) 6' BOGNER MOUNT HEAVY DUTY	280.0000
(2) SRL410C-18	280.0000
(1) MICROWAVE RADIO (2 SQ.FT. EPA ASSUMED)	190.0000
(1) PAR6-59 W RADOME ((185 DEG AZIMUTH)	190.0000
(1) MICROWAVE RADIO (2 SQ.FT. EPA ASSUMED)	180.0000
(1) PAR6-59 W RADOME ((202 DEG AZIMUTH)	180.0000

Reference Drawing for Style and Look.



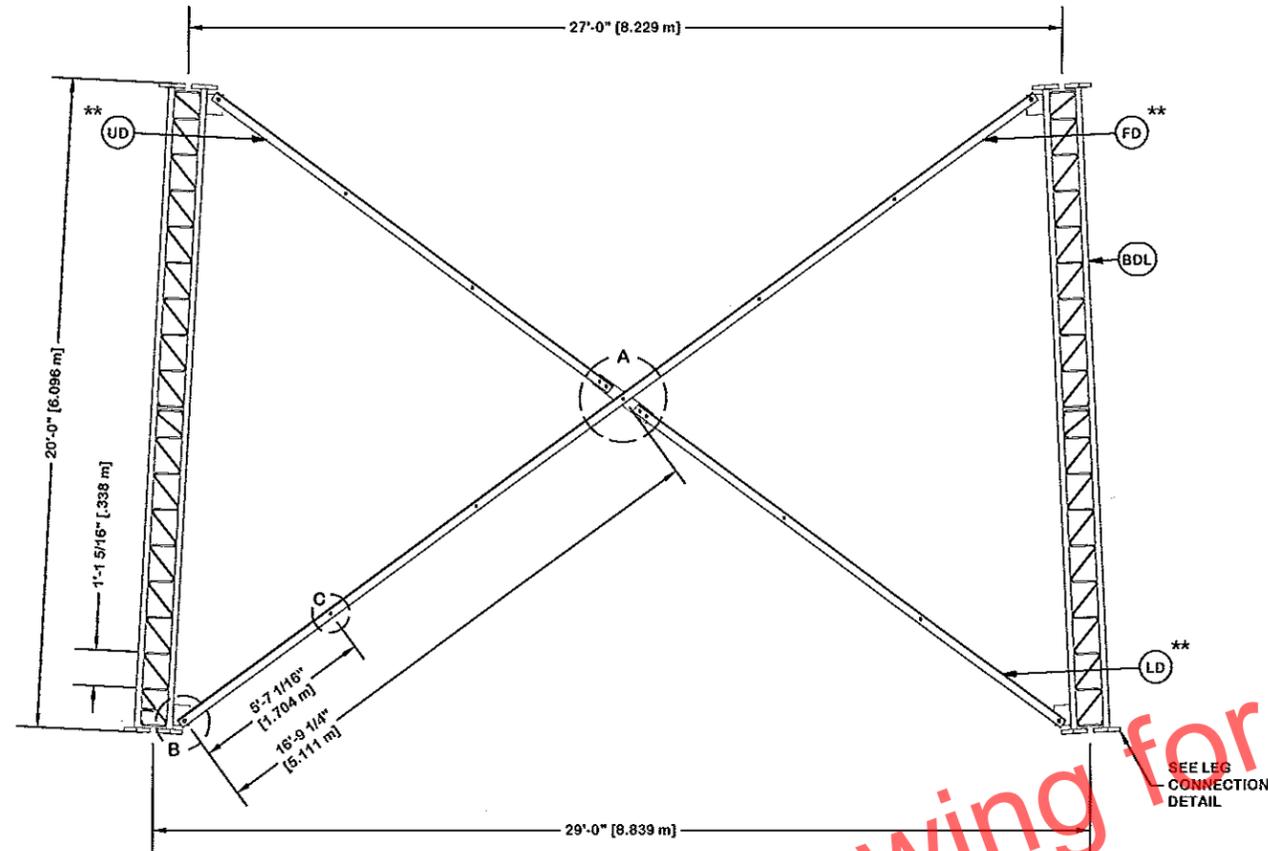
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@A <ACBATCH>			SKK 2/17/2017		STRUCTURE APPROVAL SKK 2/17/2017		FOUNDATION APPROVAL				
REVISION HISTORY			PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.								

ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

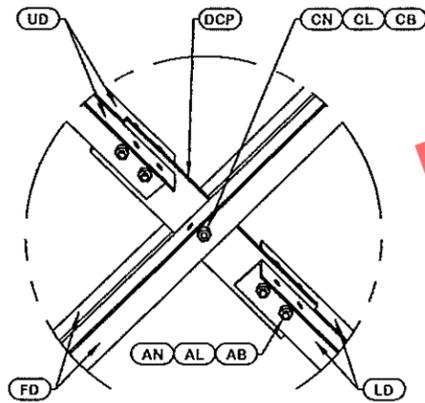
ORIENT ANGLES WITH STAMPED END TOWARD TOP OF SECTION

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

* STITCH BOLT SPACING SHOWN
IS MAX. FOR ALL ANGLES



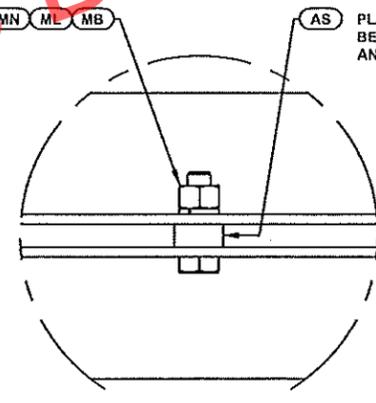
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BDL	3	195960	#12 LEG SECTION - 2-1/4" LEG - 1/2" BRACE - 7/8" B	1100.520	3301.560
UD	6	215327	ANGLE U-29 UP 16'-3 1/4"	92.990	557.940
LD	6	215330	ANGLE U-29 LOW 16'-6 17/32"	100.240	601.440
FD	6	215383	ANGLE U-29 LONG 32'-8 1/4"	199.080	1194.480
ML	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	104291	SPACER 1/2" THICK 1.049" HOLE	0.070	1.680
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
AN/CN	15	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	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
Total Wt				5753.43 lb [2612.11 kg]	



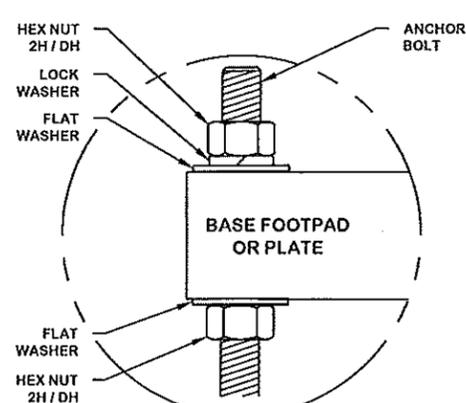
DETAIL A
ANGLE INTERSECTION CONNECTION



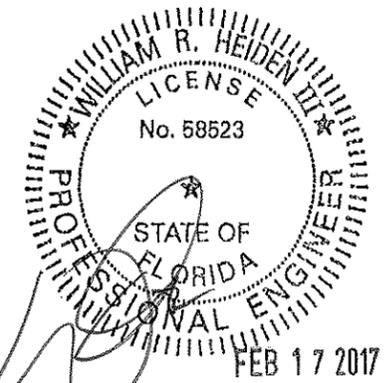
DETAIL B
END SIDE PLATE ANGLE CONNECTION



DETAIL C
STITCH BOLT CONNECTION



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



REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
@A	<ACBATCH>		SKK	2/17/2017
REVISION HISTORY				

SITE	COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300'
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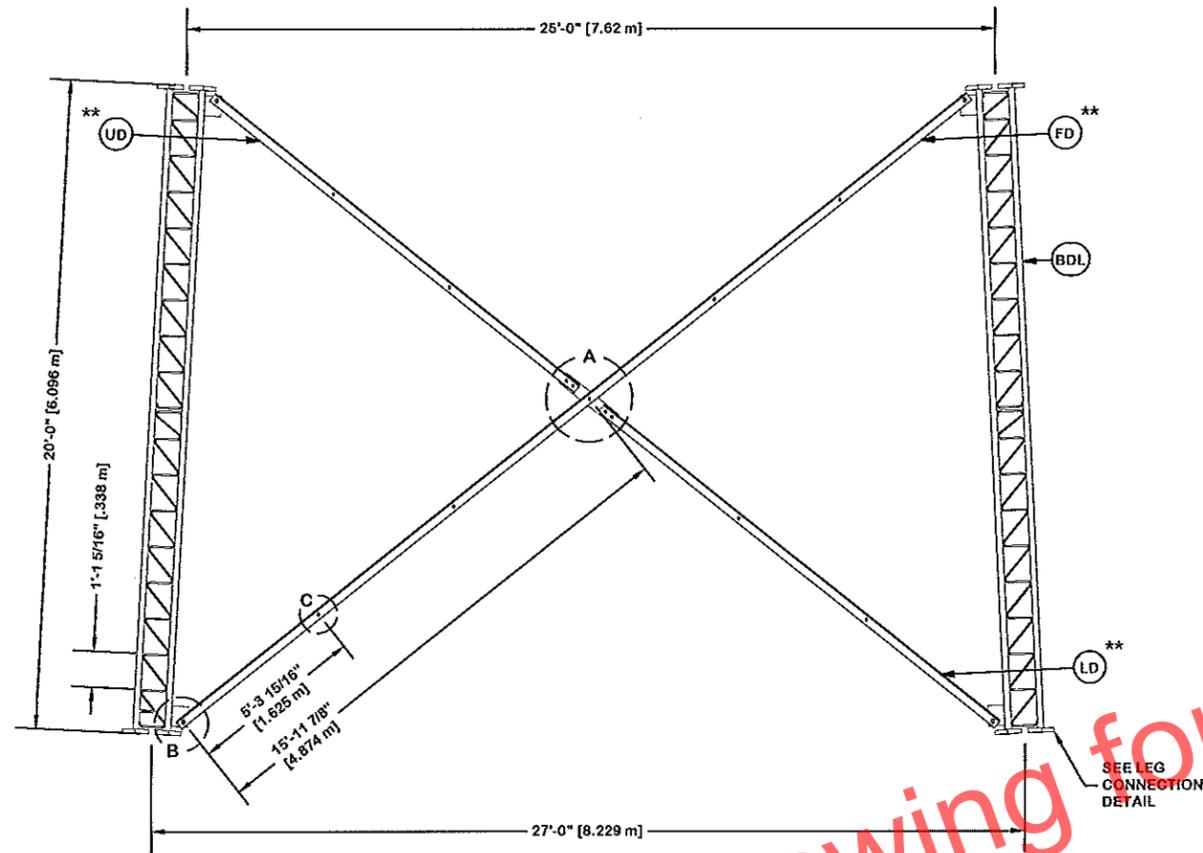
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STRUCTURE APPROVAL	SKK 2/17/2017
FOUNDATION APPROVAL	

valmont 	
1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR	
ENG. FILE NO.	343156
DWG. NO.	272821T
PAGE 3 OF 17	

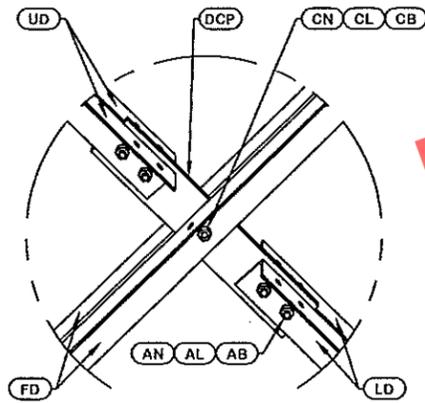
ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

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

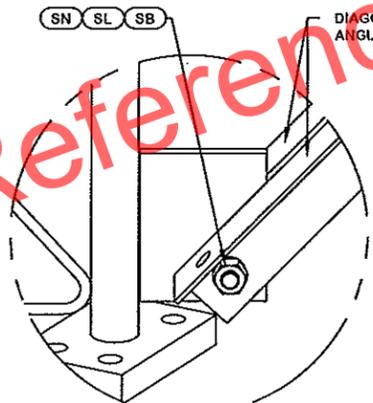
* STITCH BOLT SPACING SHOWN
IS MAX. FOR ALL ANGLES



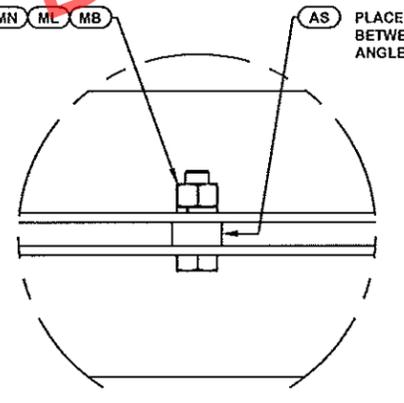
PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
BOL	3	195960	#12 LEG SECTION - 2-1/4" LEG - 1/2" BRACE - 7/8" B	1100.520	3301.560
UD	6	216320	ANGLE U-27 UP 14'-5 1/2"	88.060	528.360
LD	6	216324	ANGLE U-27 LOW 16'-8 3/16"	95.490	572.940
FD	6	216380	ANGLE U-27 LONG 31'-1 3/16"	189.400	1136.400
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	104291	SPACER 1/2" THICK 1.049" HOLE	0.070	1.680
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
AN / CN	15	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	312215	7/8"-9 HOT DIPPED GALVANIZED NUT	0.300	3.600
SB	12	172276	7/8"-9 X 2-1/2" A-325 BOLT WITH 1-1/2" THREAD	1.230	14.760
LCB	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				5710.35 lb [2592.55kg]	



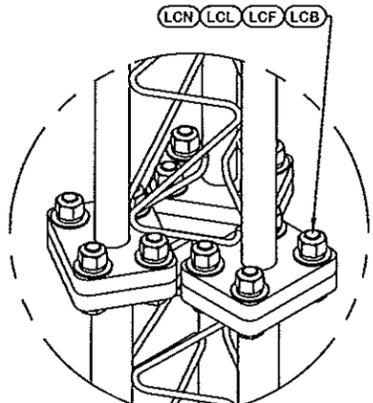
DETAIL A
ANGLE INTERSECTION CONNECTION



DETAIL B
END SIDE PLATE ANGLE CONNECTION

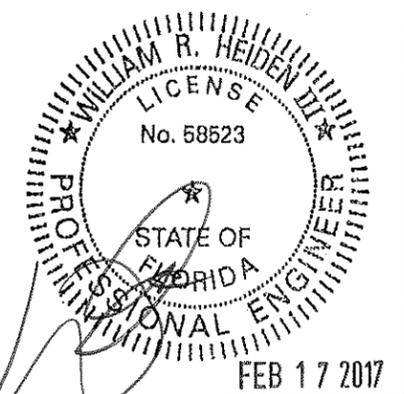


DETAIL C
STITCH BOLT CONNECTION



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

Reference Drawing for Style and Look.



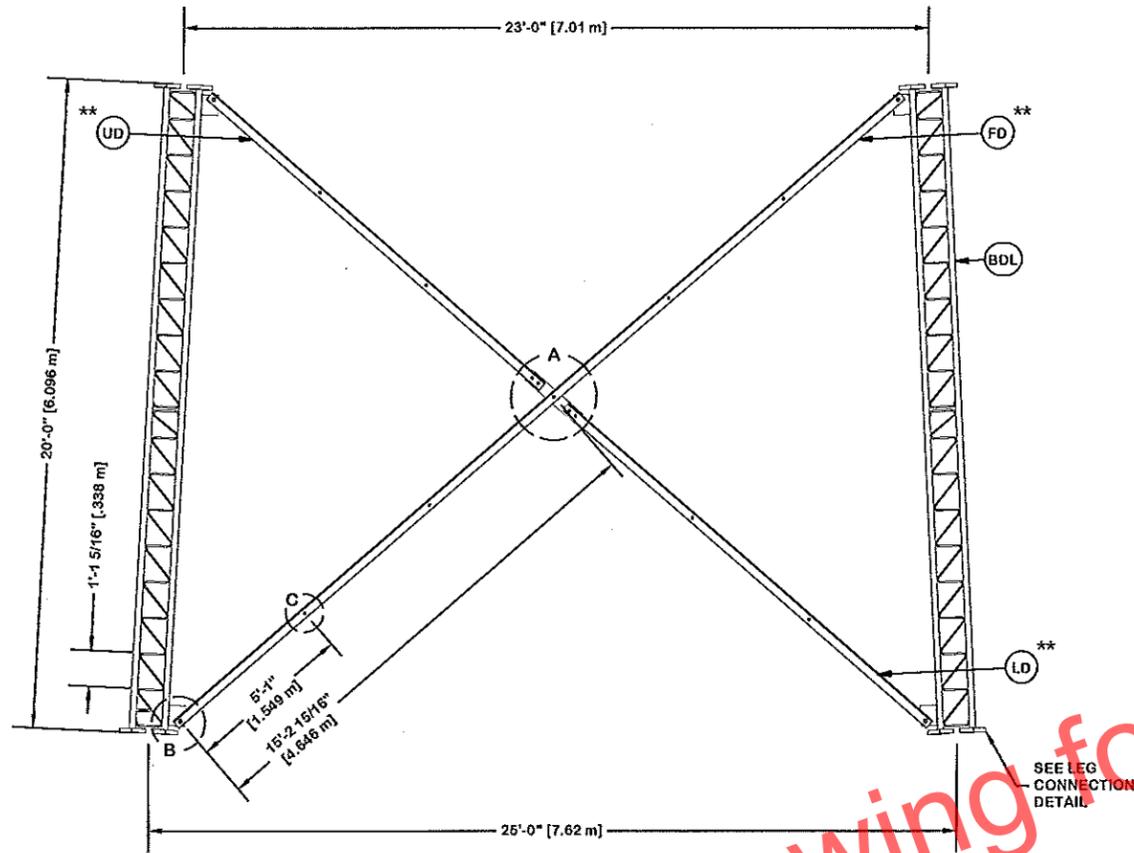
@A <ACBATCH> REV DESCRIPTION OF REVISIONS CPD BY DATE REVISION HISTORY		SITE COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300' COPYRIGHT 2013		DESCRIPTION SECTION U-27.0 (20' - 40' ELEVATION)		 1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR	
		STRUCTURE APPROVAL SKK 2/17/2017		FOUNDATION APPROVAL		ENG. FILE NO. 343156 DWG. NO. 272821T	

ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

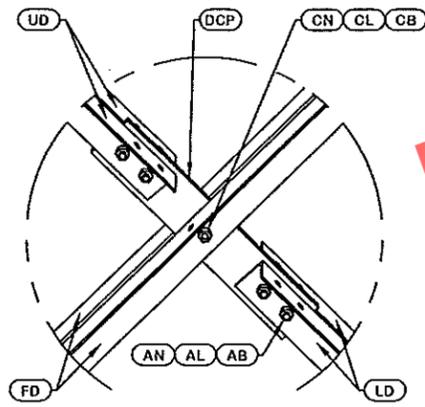
ORIENT ANGLES WITH STAMPED END TOWARD TOP OF SECTION

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

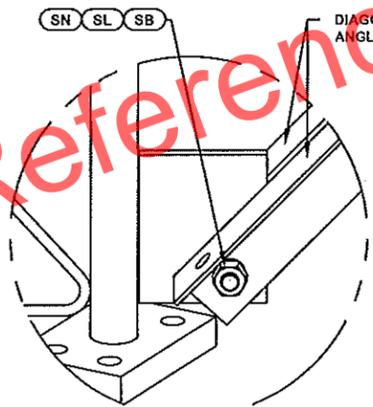
* STITCH BOLT SPACING SHOWN
IS MAX. FOR ALL ANGLES



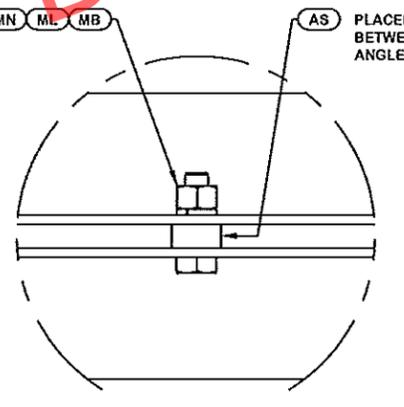
PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
BDL	3	195639	#12 LEG SECTION - 2" LEG - 1/2" BRACE - 7/8" BOLT	926.920	2780.760
UD	6	215312	ANGLE U-25 UP 13'-8"	83.250	499.500
LD	6	215316	ANGLE U-25 LOW 14'-11 7/32"	90.920	545.520
FD	6	215377	ANGLE U-25 LONG 29'-6 23/32"	180.020	1080.120
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	104291	SPACER 1/2" THICK 1.049" HOLE	0.070	1.680
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
AN/CN	15	312601	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	312215	7/8"-9 HOT DIPPED GALVANIZED NUT	0.300	3.600
SB	12	172276	7/8"-9 X 2-1/2" A-325 BOLT WITH 1-1/2" THREAD	1.230	14.760
LCB	36	222016	1"-8 X 4-3/4" A-325 BOLT WITH 1-3/4" THREAD	1.380	49.880
LCF	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				5076.99 lb [2305.00kg]	



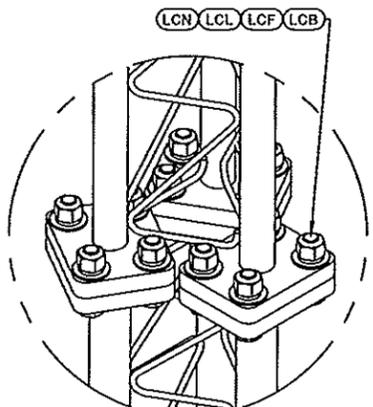
DETAIL A
ANGLE INTERSECTION CONNECTION



DETAIL B
END SIDE PLATE ANGLE CONNECTION

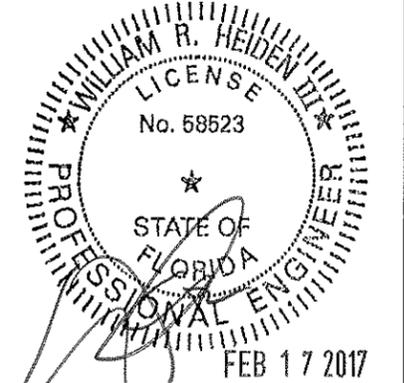


DETAIL C
STITCH BOLT CONNECTION



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

Reference Drawing for Style and Look.



REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
@A	<ACBATCH>		SKK	2/17/2017
REVISION HISTORY				

SITE	COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300'
COPYRIGHT 2013	
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 U-25.0 (40' - 60' ELEVATION)
STRUCTURE APPROVAL	SKK 2/17/2017
FOUNDATION APPROVAL	

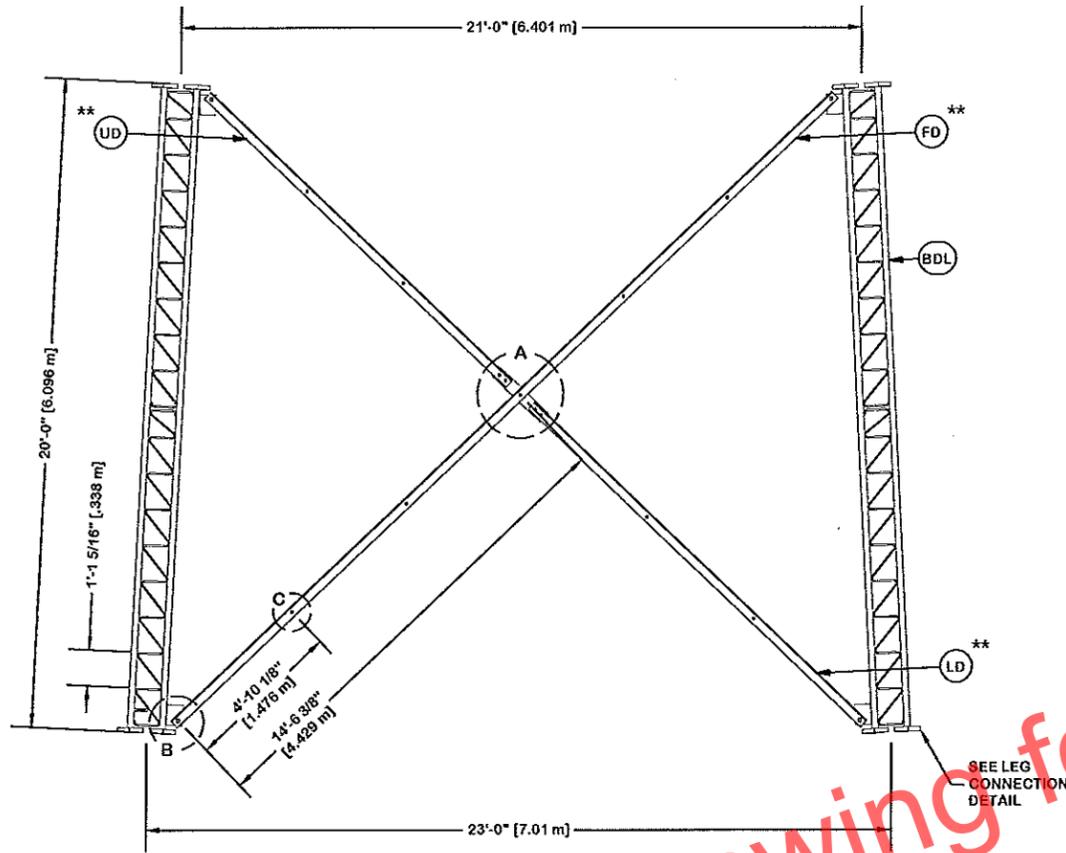
valmont 	
1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR	
ENG. FILE NO.	343156
DWG. NO.	272821T
PAGE 5 OF 17	

ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

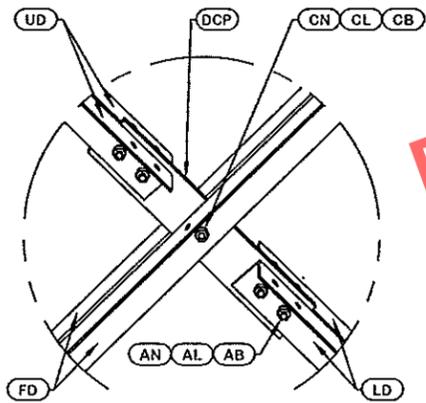
ORIENT ANGLES WITH STAMPED END TOWARD TOP OF SECTION

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

* STITCH BOLT SPACING SHOWN
IS MAX. FOR ALL ANGLES



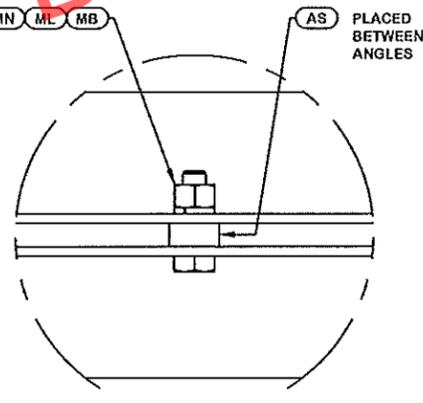
PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
BDL	3	195637	#12 LEG SECT - 2" TO 1-3/4" TRANS LEG - 1/2" BRACE	906.870	2720.610
UD	6	216303	ANGLE U-23 UP 12'-10 25/32"	50.250	301.600
LD	6	216307	ANGLE U-23 LOW 14'-2 11/16"	55.390	332.340
FD	6	216372	ANGLE U-23 LONG 28'-0 15/16"	109.390	656.340
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	104291	SPACER 1/2" THICK 1.049" HOLE	0.070	1.680
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
AN/CN	15	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
LCB	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				4181.88 lb [1898.61 kg]	



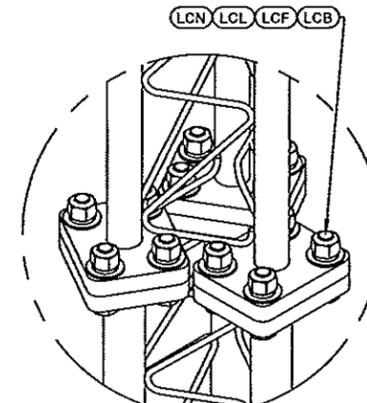
DETAIL A
ANGLE INTERSECTION CONNECTION



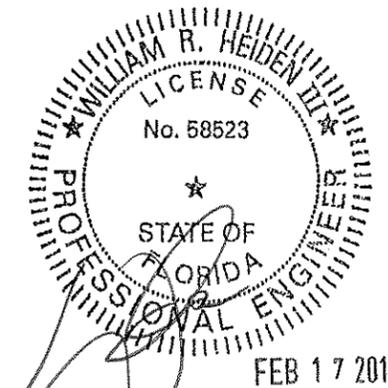
DETAIL B
END SIDE PLATE ANGLE CONNECTION



DETAIL C
STITCH BOLT CONNECTION



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



REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
@A	<ACBATCH>		SKK	2/17/2017
REVISION HISTORY				

SITE	COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300'
COPYRIGHT 2013	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.

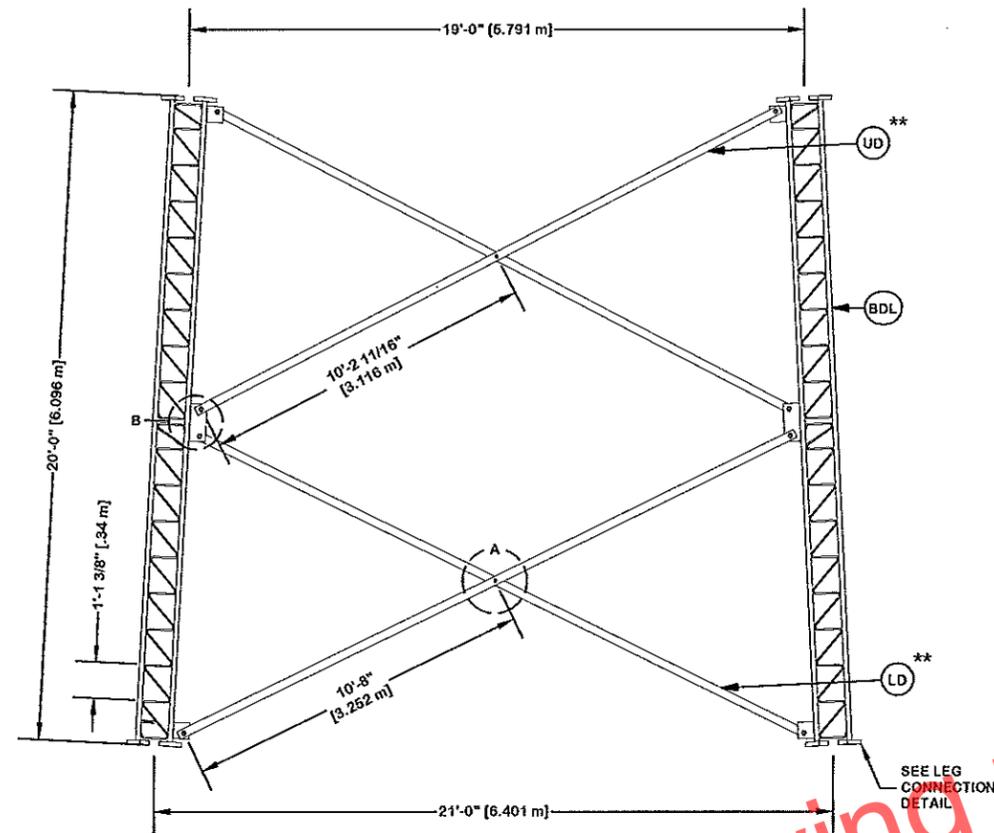
DESCRIPTION	SECTION U-23.0 (60' - 80' ELEVATION)
STRUCTURE APPROVAL	SKK 2/17/2017
FOUNDATION APPROVAL	

valmont 	
1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR	
ENG. FILE NO.	343156
DWG. NO.	272821T
PAGE 6 OF 17	

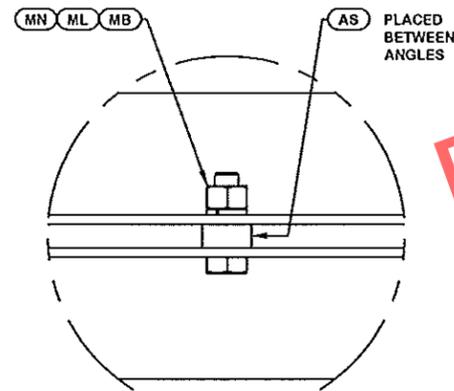
ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

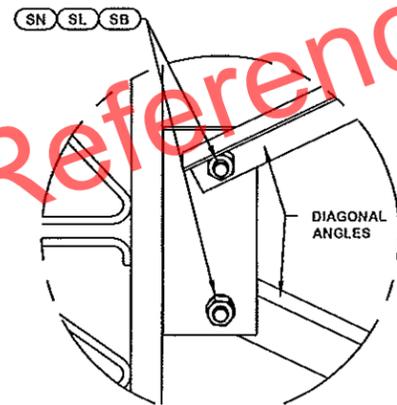
** DIAGONAL ANGLES MUST BE INSTALLED
WITH THE NON-BOLTED FACE UP,
THIS MAY BE ON THE OPPOSITE SIDE OF THE
SIDE PLATE THAN WHAT IS SHOWN IN THE DETAIL.



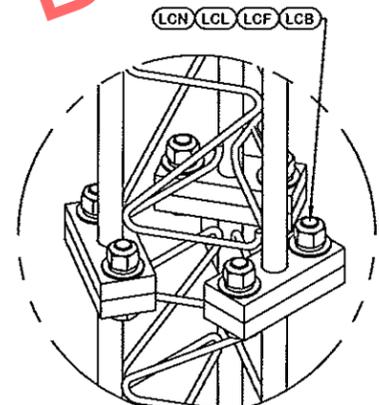
PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
BDL	3	195217	#12 LEG SECTION - 1-3/4" LEG - 1/2" BRACE - 1" BOL	746.710	2240.130
LD	6	229857	DIAG BRACE 1/4" X 3 1/2" X 3 1/2" 21'-1 61/64" (A3	128.880	773.280
AS	6	104291	SPACER 1/2" THICK 1.049" HOLE	0.070	0.420
MN	6	312502	3/4"-10 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	229863	DIAG BRACE 1/2" X 3 1/2" X 3 1/2" 20'-3 15/64" (A36	123.440	740.640
LCB	18	222022	1-1/4"-7 X 5-1/2" A-325 BOLT WITH 2" THREAD	2.530	45.540
LCF	18	312262	1-1/4" GALVANIZED FLAT WASHER (F436)	0.130	2.340
LCL	18	312283	1-1/4" GALVANIZED LOCKWASHER	0.150	2.700
LCN	18	312507	1-1/4"-7 HOT DIPPED GALVANIZED NUT	0.730	13.140
Total Wt				3854.73 lb [1750.08kg]	



DETAIL A
ANGLE INTERSECTION CONNECTION

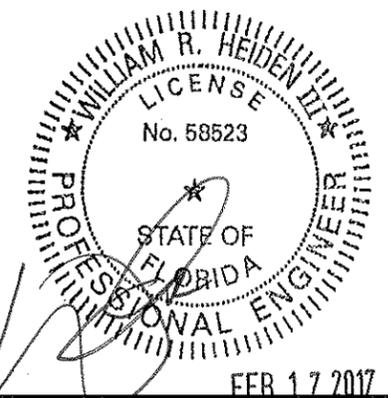


DETAIL B
MID SIDE PLATE ANGLE CONNECTION



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

Reference Drawing for Style and Look.



@A	<ACBATCH>	SKK	2/17/2017	
REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
	REVISION HISTORY			

SITE	COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300'
COPYRIGHT 2013	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.

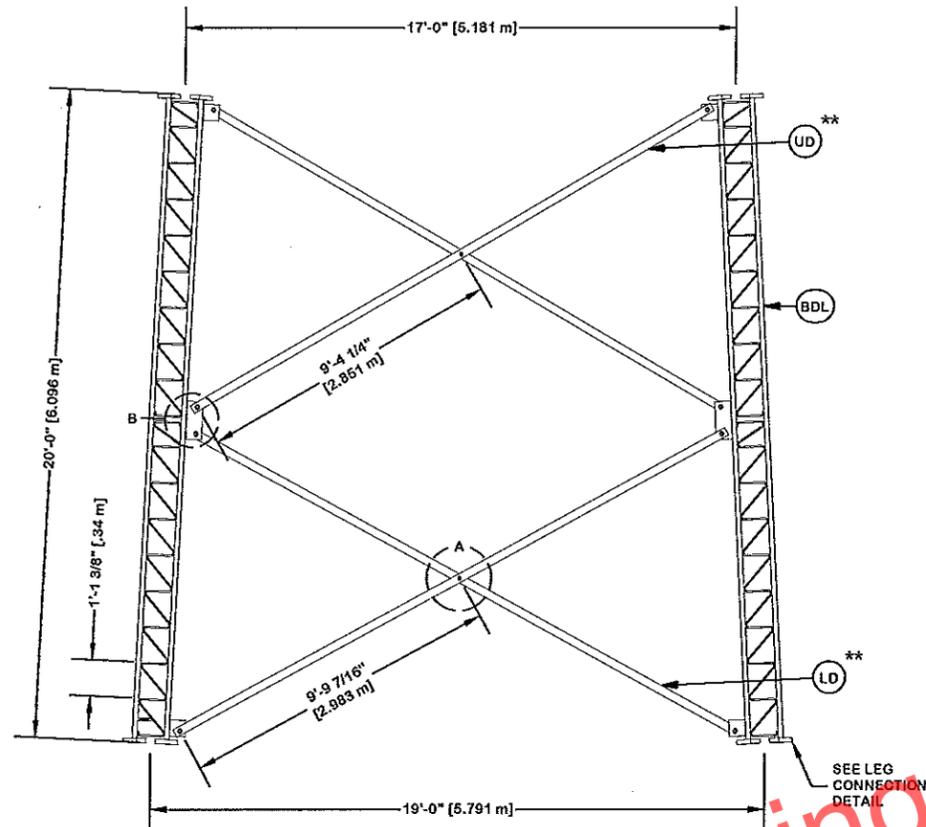
DESCRIPTION	SECTION U-21.0 (80' - 100' ELEVATION)
STRUCTURE APPROVAL	SKK 2/17/2017
FOUNDATION APPROVAL	

1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR	
ENG. FILE NO.	343156
DWG. NO.	272821T

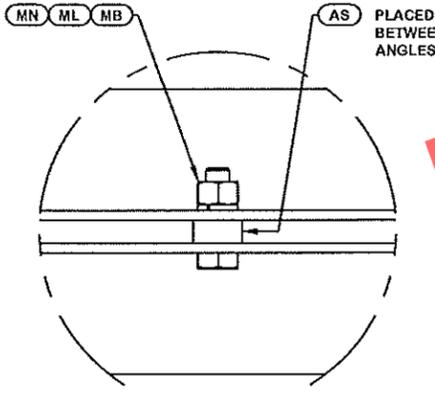
ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

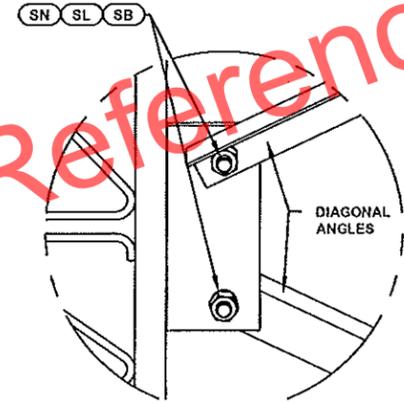
** DIAGONAL ANGLES MUST BE INSTALLED
WITH THE NON-BOLTED FACE UP. ↑
THIS MAY BE ON THE OPPOSITE SIDE OF THE
SIDE PLATE THAN WHAT IS SHOWN IN THE DETAIL.



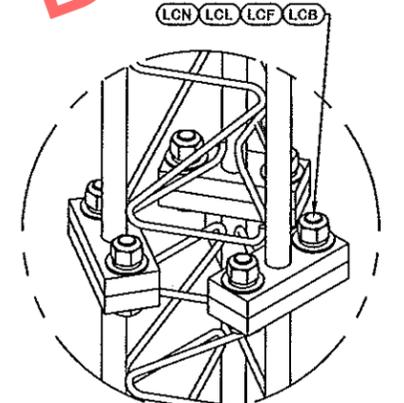
PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
BDL	3	195217	#12 LEG SECTION - 1-3/4" LEG - 1/2" BRACE - 1" BOL	746.710	2240.130
LD	6	198340	DIAG BRACE 5/16" X 3" X 3" 19' 4 41/64" LONG (A36)	128.000	768.000
AS	6	104291	SPACER 1/2" THICK 1.049" HOLE	0.070	0.420
MN	6	312502	3/4"-10 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	127612	DIAG BRACE 5/16" X 3" X 3" 18'-6-3/16" LONG (A-3)	118.590	711.540
LCB	18	222022	1-1/4"-7 X 5-1/2" A-325 BOLT WITH 2" THREAD	2.530	45.540
LCF	18	312282	1-1/4" GALVANIZED FLAT WASHER (F436)	0.130	2.340
LCL	18	312283	1-1/4" GALVANIZED LOCKWASHER	0.150	2.700
LCN	18	312507	1-1/4"-7 HOT DIPPED GALVANIZED NUT	0.730	13.140
Total Wt				3820.35 lb [1734.47kg]	



DETAIL A
ANGLE INTERSECTION CONNECTION

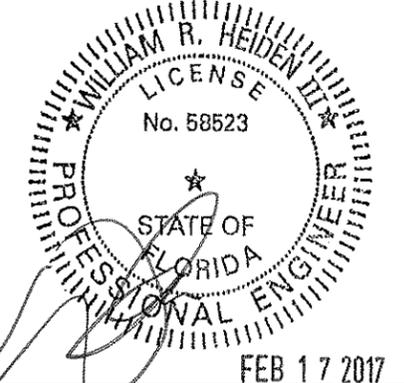


DETAIL B
MID SIDE PLATE ANGLE CONNECTION



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

Reference Drawing for Style and Look.

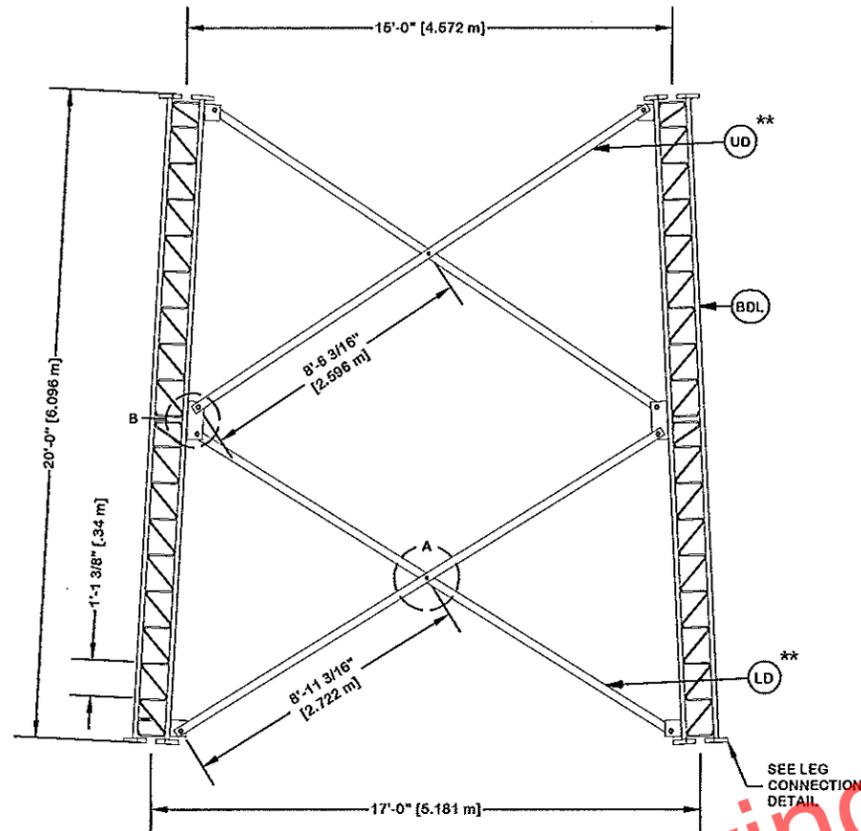


@A <ACBATCH> REV DESCRIPTION OF REVISIONS REVISION HISTORY		SKK 2/17/2017 CPD BY DATE	SITE COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300' COPYRIGHT 2013 PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.	DESCRIPTION SECTION U-19.0 (100' - 120' ELEVATION)	STRUCTURE APPROVAL SKK 2/17/2017	FOUNDATION APPROVAL	valmont STRUCTURES 1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR ENG. FILE NO. 343156 DWG. NO. 272821T	8 OF 17 PAGE
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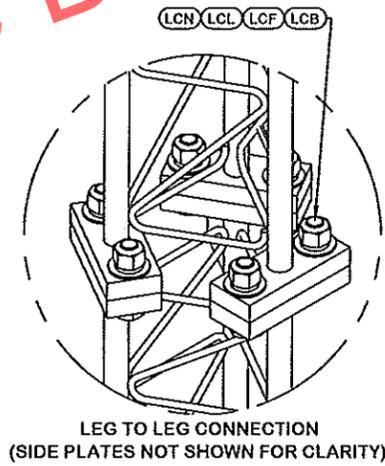
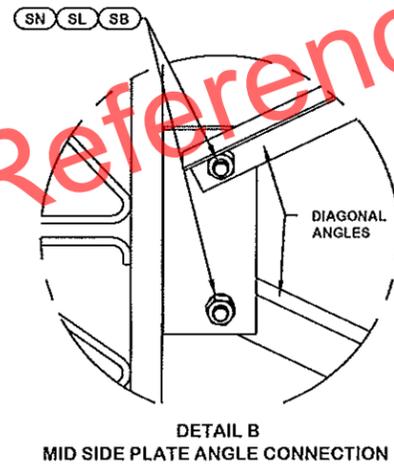
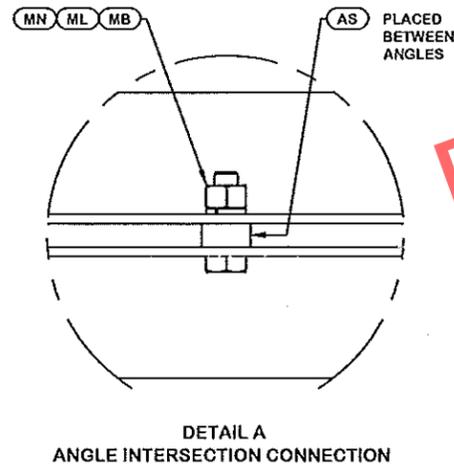
ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

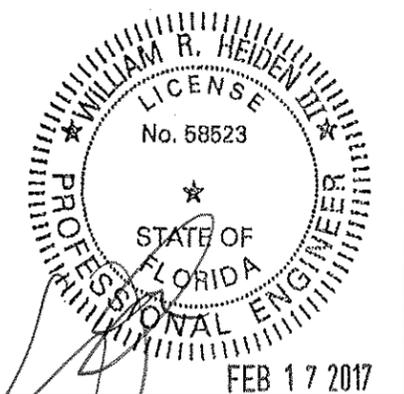
** DIAGONAL ANGLES MUST BE INSTALLED
WITH THE NON-BOLTED FACE UP,
THIS MAY BE ON THE OPPOSITE SIDE OF THE
SIDE PLATE THAN WHAT IS SHOWN IN THE DETAIL.



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	2219.870
LD	6	127611	DIAG BRACE 5/16" X 3" X 3" 17'- 7-29/32" LONG (A)	113.100	678.600
AS	6	104291	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	105588	DIAG BRACE 5/16" X 3" X 3" 16'- 9-27/32" LONG (A-)	107.730	646.380
LCB	18	222022	1-1/4"-7 X 5-1/2" A-325 BOLT WITH 2" THREAD	2.530	45.540
LCF	18	312282	1-1/4" GALVANIZED FLAT WASHER (F436)	0.130	2.340
LCL	18	312283	1-1/4" GALVANIZED LOCKWASHER	0.150	2.700
LCN	18	312507	1-1/4"-7 HOT DIPPED GALVANIZED NUT	0.730	13.140
Total Wt				3645.33 lb [1655.01 kg]	

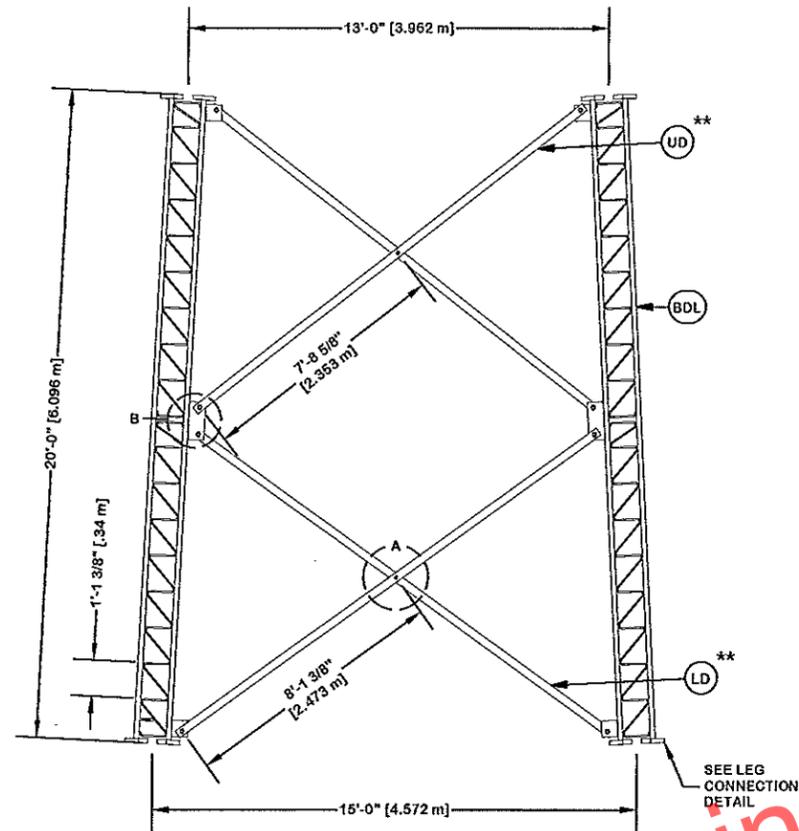


Reference Drawing for Style and Look.

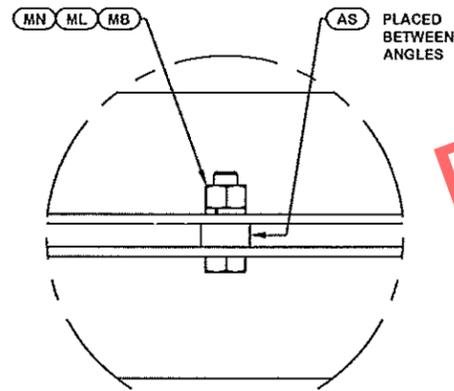


@A <ACBATQ> REV DESCRIPTION OF REVISIONS CPD BY DATE		SSK 2/17/2017 PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.		SITE COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300' COPYRIGHT 2013		DESCRIPTION SECTION U-17.0 (120' - 140' ELEVATION)		valmont STRUCTURES 1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR		ENG. FILE NO. 343156		PAGE 9 OF 17
REVISION HISTORY				STRUCTURE APPROVAL SSK 2/17/2017		FOUNDATION APPROVAL		DWG. NO. 272821T				

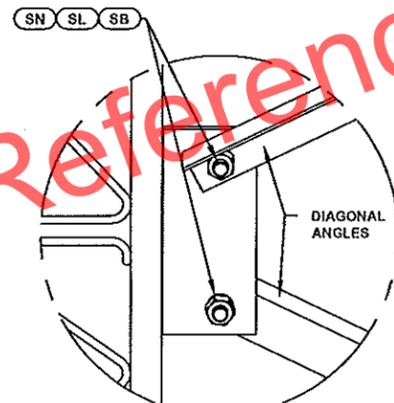
ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION
ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION
** DIAGONAL ANGLES MUST BE INSTALLED
WITH THE NON-BOLTED FACE UP,
THIS MAY BE ON THE OPPOSITE SIDE OF THE
SIDE PLATE THAN WHAT IS SHOWN IN THE DETAIL.



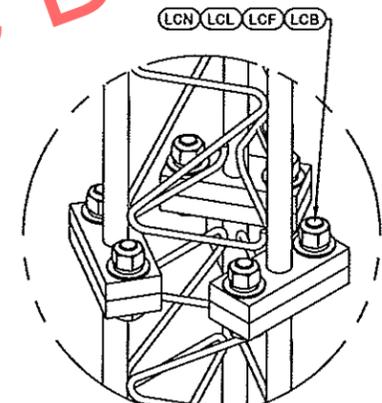
PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
BDL	3	194651	#12 LEG SECTION - 1-1/2" LEG - 1/2" BRACE - 1" BOL.	602.830	1808.490
LD	6	105582	DIAG BRACE 3/16" X 3" X 3" 15'- 11-31/32" LONG (A)	62.150	372.900
AS	6	104291	SPACER 1/2" THICK 1.049" HOLE	0.070	0.420
MN	6	312502	3/4"-10 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	105579	DIAG BRACE 3/16" X 3" X 3" 15'- 2-3/8" LONG (A-36)	69.040	354.240
LCB	18	222016	1"-8 X 4-3/4" A-325 BOLT WITH 1-3/4" THREAD	1.380	24.840
LCF	18	312222	1" GALVANIZED FLAT WASHER (F436)	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				2809.13 lb	[1184.57 kg]



DETAIL A
ANGLE INTERSECTION CONNECTION

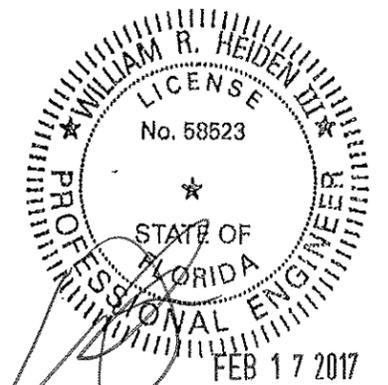


DETAIL B
MID SIDE PLATE ANGLE CONNECTION



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

Reference Drawing for Style and Look.

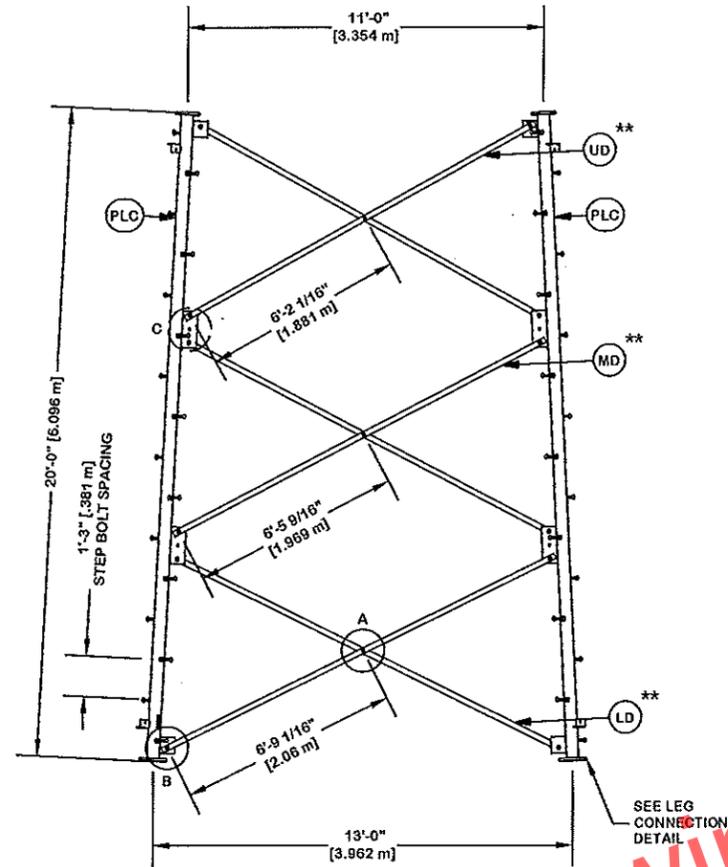


@A <ACBATCH>		SKK 2/17/2017		SITE COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300'		DESCRIPTION SECTION U-15.0 (140' - 160' ELEVATION)		 1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR	
REV DESCRIPTION OF REVISIONS REVISION HISTORY		CPD BY DATE		COPYRIGHT 2013 PROPRIETARY NOTE: THE 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.		STRUCTURE APPROVAL SKK 2/17/2017		FOUNDATION APPROVAL	
				ENG. FILE NO. 343156		DWG. NO. 272821T		PAGE 10 OF 17	

ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

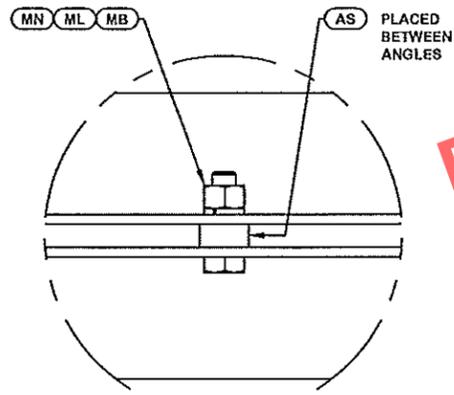
ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

** 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	229377	PIPE LEG SECTION 20'-0" (CLIMBING) 6" SCH. 40 V-SE	537.940	1613.820
STP	48	228189	STEP BOLT ASSY 5/8"-11 X 7" W/LOCK WASHER HEAVY	1.100	62.800
LD	6	231349	ANGLE V-13 LOW 160 1/16" (W/45 CLIPPED)	43.000	268.000
MB	9	227580	5/8"-11 X 2-1/4" A325T HOT DIPPED GALV. BOLT (FULL)	0.640	5.760
AS	9	124838	MID-DIAGONAL SPACER 1 1/8" HOLE 3/8" THICK	0.450	4.050
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	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	226209	ANGLE V-13 MID 152 15/16"	41.080	246.480
UD	6	227341	ANGLE V-13 UP 145 15/16"	39.200	235.200
LCB	18	222016	1"-8 X 4-3/4" A-325 BOLT WITH 1-3/4" THREAD	1.380	24.840
LCF	18	312222	1" GALVANIZED FLAT WASHER (F436)	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				2476.95 lb [1124.56kg]	

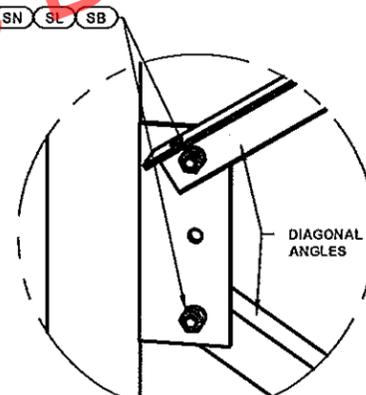
Reference Drawing for Style and Look.



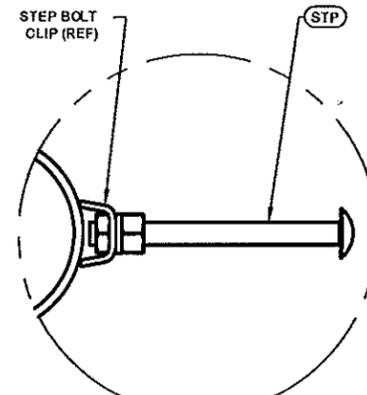
DETAIL A
ANGLE INTERSECTION CONNECTION



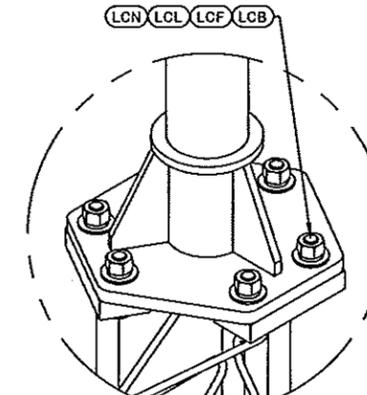
DETAIL B
END SIDE PLATE ANGLE CONNECTION



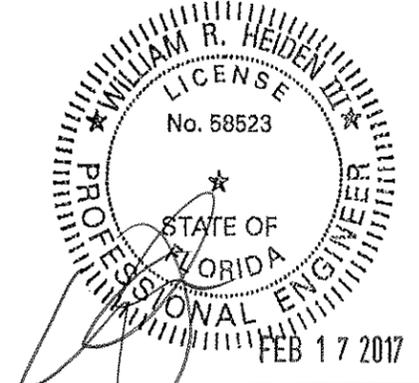
DETAIL C
MID SIDE PLATE ANGLE CONNECTION



STEP BOLT INSTALLATION



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



@A	<ACBATCH>	SKK	2/17/2017
REV	DESCRIPTION OF REVISIONS	CPD	BY DATE
REVISION HISTORY			

SITE	COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300'
COPYRIGHT 2013	
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.

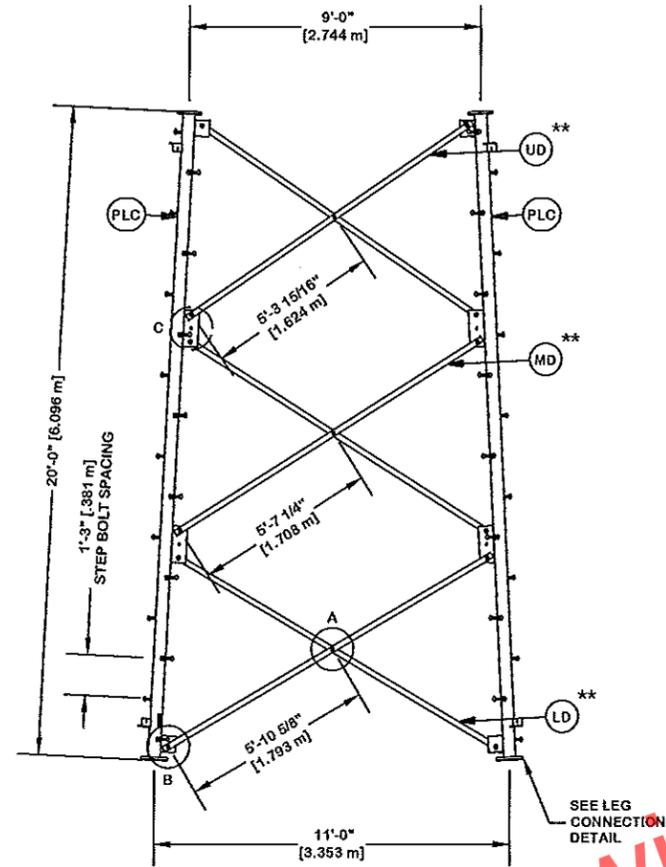
DESCRIPTION	SECTION V-13.0 (160' - 180' ELEVATION)
STRUCTURE APPROVAL	SKK 2/17/2017
FOUNDATION APPROVAL	

<p>1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR</p>	
ENG. FILE NO.	343156
DWG. NO.	272821T

ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

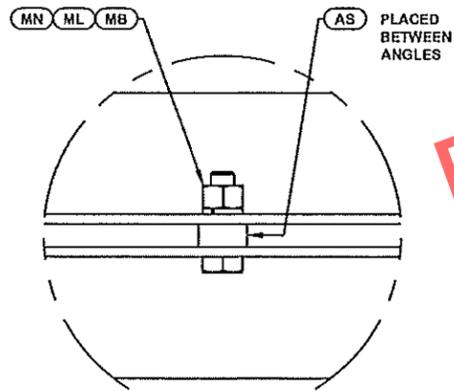
ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

** DIAGONAL ANGLES MUST BE INSTALLED
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SIDE PLATE THAN WHAT IS SHOWN IN THE DETAIL.

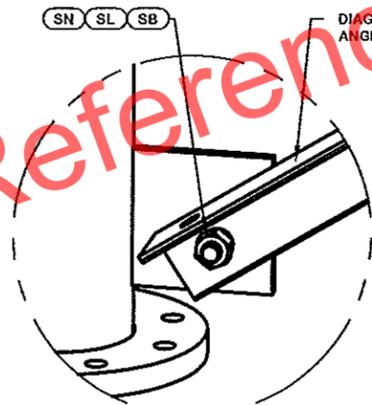


PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
PLC	3	226206	PIPE LEG SECTION 20' - 0" (CLIMBING) 6" SCH. 40 PI	476.980	1430.940
STP	48	228189	STEP BOLT ASSY 5/8"-11 X 7" W/ LOCK WASHER HEAVY	1.100	52.800
LD	6	231346	ANGLE V-11 LOW 139 1/2" (W/45 CLIPPED)	29.680	176.080
MB	9	227680	5/8"-11 X 2-1/4" A325T HOT DIPPED GALV. BOLT (FULL	0.640	5.760
AS	9	124838	MID-DIAGONAL SPACER 1 1/16" HOLE 3/8" THICK	0.450	4.050
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	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	226203	ANGLE V-11 MID 132 1/4"	28.230	169.380
UD	6	226204	ANGLE V-11 UP 126 5/8"	26.820	160.920
LCB	24	227668	3/4"-10 X 3-1/2" A-325T BOLT WITH FULL THREAD	0.540	12.960
LCF	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				2046.39 lb [929.08 kg]	

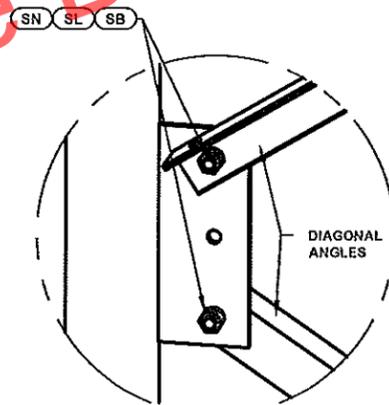
Reference Drawing for Style and Look.



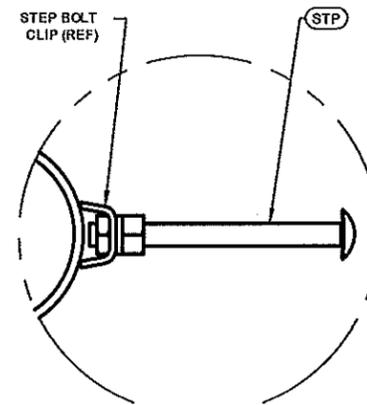
DETAIL A
ANGLE INTERSECTION CONNECTION



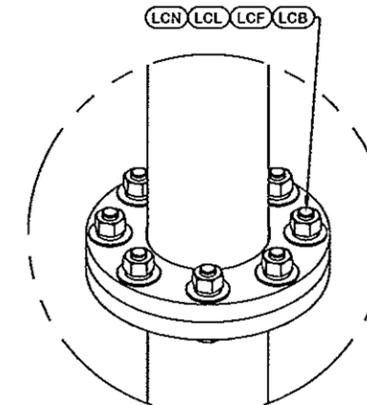
DETAIL B
END SIDE PLATE ANGLE CONNECTION



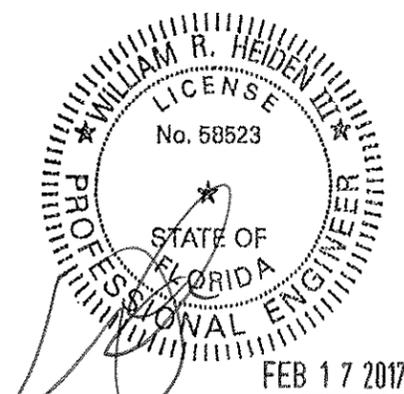
DETAIL C
MID SIDE PLATE ANGLE CONNECTION



STEP BOLT INSTALLATION



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

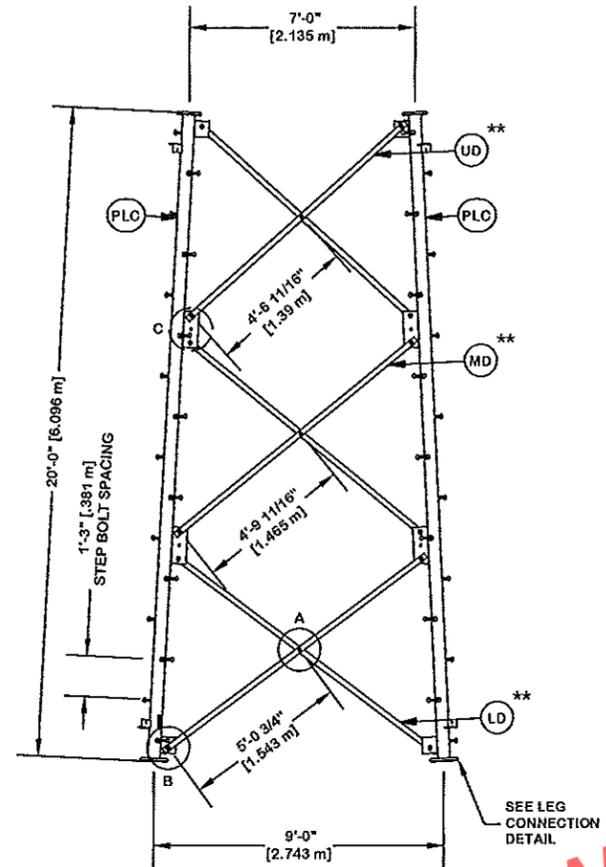


@A <ACBATCH> REV DESCRIPTION OF REVISIONS REVISION HISTORY		SSK 2/17/2017 CPD BY DATE	SITE COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300' COPYRIGHT 2013	DESCRIPTION SECTION V-11.0 (180' - 200' ELEVATION)	valmont STRUCTURES 1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR	ENG. FILE NO. 343156	DWG. NO. 272821T	PAGE 12 OF 17
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.			STRUCTURE APPROVAL SSK 2/17/2017	FOUNDATION APPROVAL	FEB 17 2017			

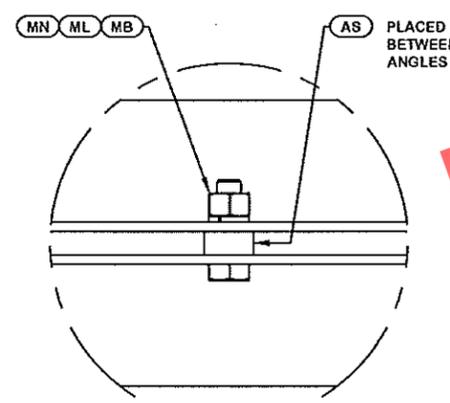
ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

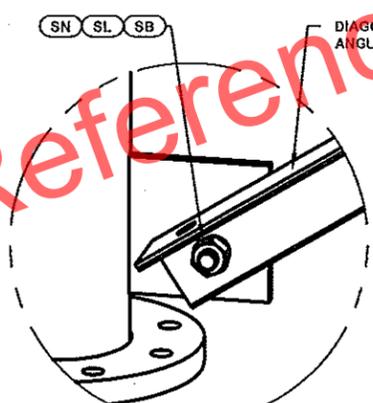
** DIAGONAL ANGLES MUST BE INSTALLED
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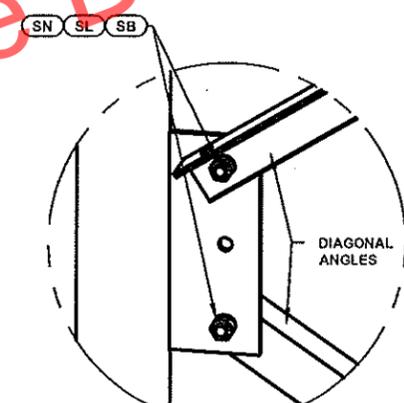
PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
PLC	3	226206	PIPE LEG SECTION 20' - 0" (CLIMBING) 6" SCH. 40 PI	476.980	1430.940
STP	48	228189	STEP BOLT ASSY 5/8"-11 X 7" W/LOCK WASHER HEAVY	1.100	52.800
LD	6	231344	ANGLE V-9 LOW 119 5/32" (W/45 CLIPPED)	25.440	152.640
MB	9	227580	5/8"-11 X 2-1/4" A325T HOT DIPPED GALV. BOLT (FULL)	0.640	5.760
AS	9	124838	MID-DIAGONAL SPACER 1 1/16" HOLE 3/8" THICK	0.450	4.050
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	226195	ANGLE V-9 MID 112 29/32"	24.110	144.660
UD	6	226196	ANGLE V-9 UP 108 29/32"	22.830	136.980
LCB	24	227668	3/4"-10 X 3-1/2" A-325T BOLT WITH FULL THREAD	0.540	12.960
LCF	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				1972.29 lb [895.44 kg]	



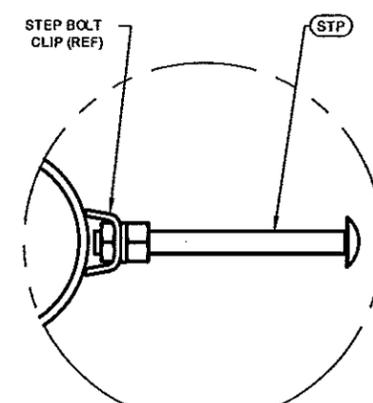
DETAIL A
ANGLE INTERSECTION CONNECTION



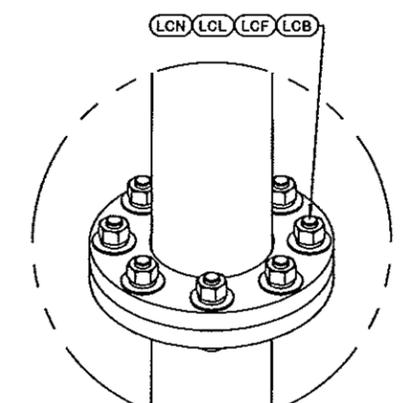
DETAIL B
END SIDE PLATE ANGLE CONNECTION



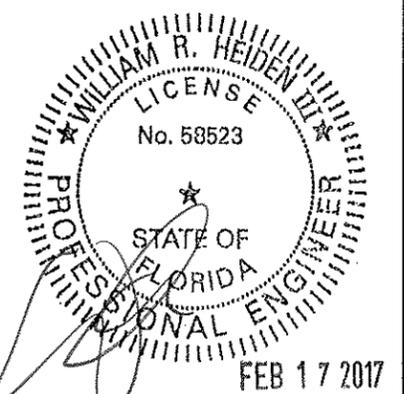
DETAIL C
MID SIDE PLATE ANGLE CONNECTION



STEP BOLT INSTALLATION



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



REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
@A	<ACBATCH>		SKK	2/17/2017
REVISION HISTORY				

SITE
COLUMBIA COUNTY, DEEP CREEK, FL
MOTOROLA SOLUTIONS
U 29 X 300'

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

STRUCTURE APPROVAL
SKK 2/17/2017

FOUNDATION APPROVAL

valmont STRUCTURES

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

ENG. FILE NO. 343156

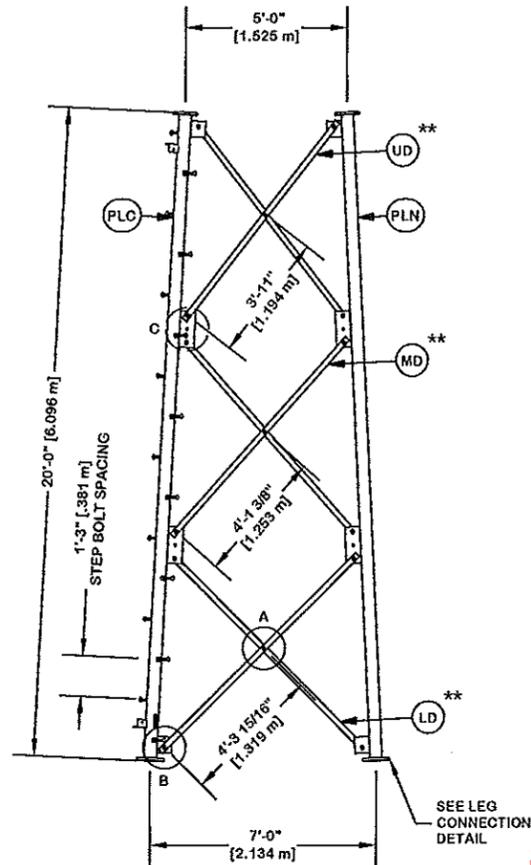
DWG. NO. 272821T

PAGE 13 OF 17

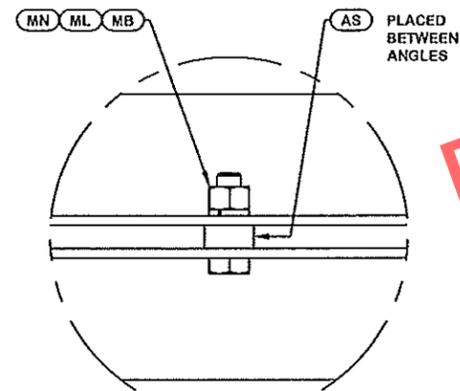
ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

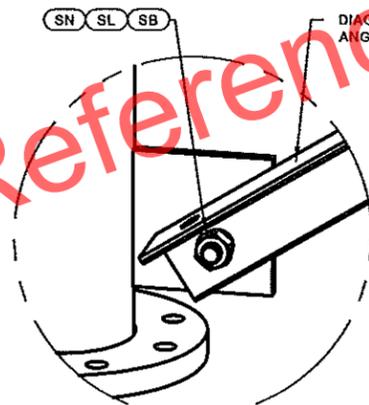
** DIAGONAL ANGLES MUST BE INSTALLED
WITH THE NON-BOLTED FACE UP,  
THIS MAY BE ON THE OPPOSITE SIDE OF THE
SIDE PLATE THAN WHAT IS SHOWN IN THE DETAIL.



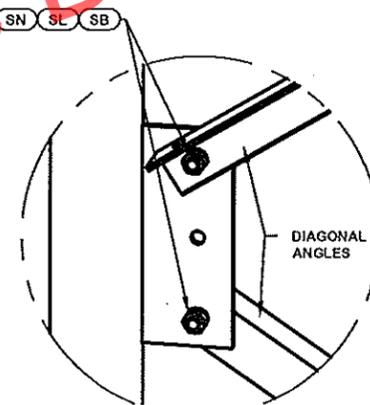
PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
PLC	1	226192	PIPE LEG SECTION 20'-0" (CLIMBING) 6" SCH. 40 V-SE	396.130	396.130
PLN	2	226193	PIPE LEG SECTION 20'-0" (NON-CLIMBING) 5" SCH. 40	392.770	785.540
STP	16	228189	STEP BOLT ASSY 5/8"-11 X 7" W/ LOCK WASHER HEAVY	1.100	17.600
LD	6	231342	ANGLE V-7 LOW 101 3/16" (W/45 CLIPPED)	21.600	129.600
MB	9	227580	5/8"-11 X 2-1/4" A325T HOT DIPPED GALV. BOLT (FULL	0.640	5.760
AS	9	124838	MID-DIAGONAL SPACER 1 1/16" HOLE 3/8" THICK	0.460	4.050
MN	9	312601	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	226189	ANGLE V-7 MID 95 13/16"	20.460	122.760
UD	6	226190	ANGLE V-7 UP 90 27/32"	19.390	116.340
LCB	24	227668	3/4"-10 X 3-1/2" A-325T BOLT WITH FULL THREAD	0.540	12.960
LCF	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				1622.24 lb [736.61 kg]	



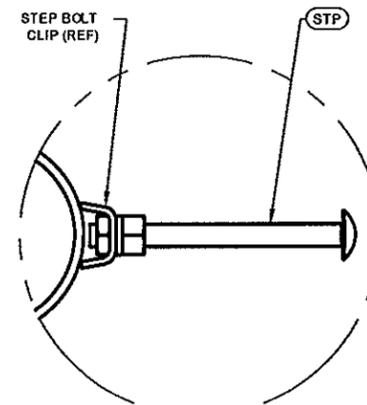
DETAIL A
ANGLE INTERSECTION CONNECTION



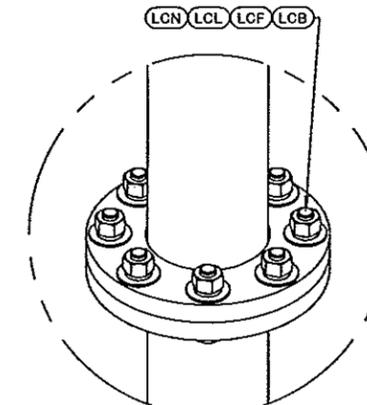
DETAIL B
END SIDE PLATE ANGLE CONNECTION



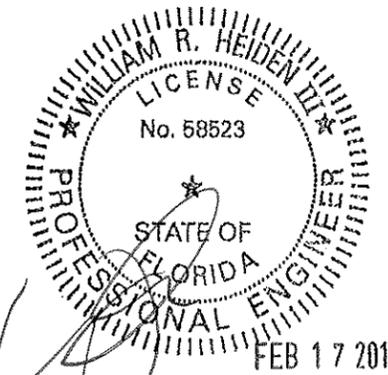
DETAIL C
MID SIDE PLATE ANGLE CONNECTION



STEP BOLT INSTALLATION



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



REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
@A	<ACBATCH>		SKK	2/17/2017
REVISION HISTORY				

SITE	COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300'
COPYRIGHT 2013	
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.

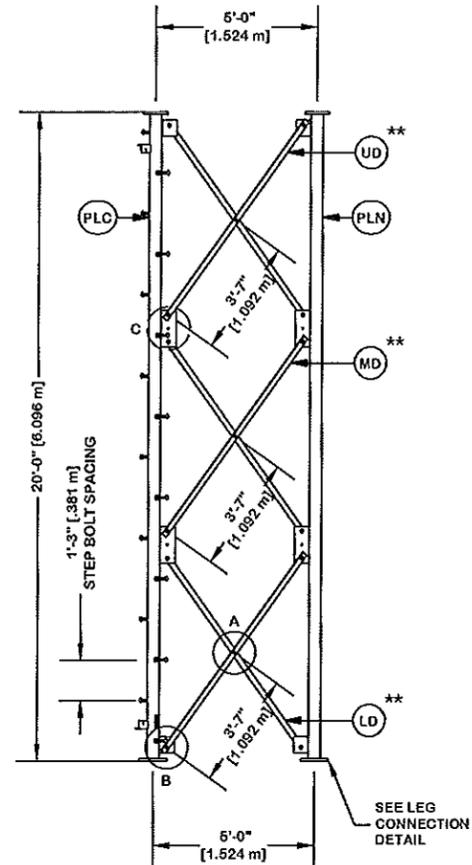
DESCRIPTION	SECTION V-7.0 (220' - 240' ELEVATION)
STRUCTURE APPROVAL	SKK 2/17/2017
FOUNDATION APPROVAL	

valmont 	
1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR	
ENG. FILE NO.	343156
DWG. NO.	272821T
PAGE 14 OF 17	

ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

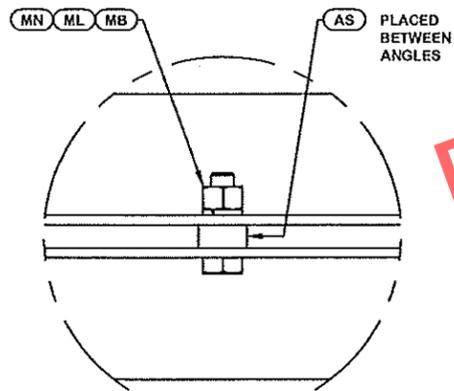
ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

** 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.

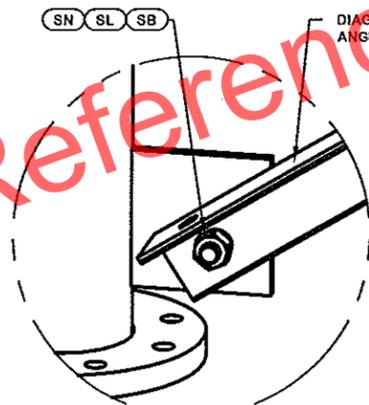


PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
PLC	1	229924	PIPE LEG SECTION 20'-0" (CLIMBING) 5" SCH. 40 V-SE	392.900	392.900
PLN	2	229925	PIPE LEG SECTION 20'-0" (NON-CLIMBING) 5" SCH. 40	386.550	773.100
STP	16	228189	STEP BOLT ASSY 5/8"-11 X 7" W/ LOCK WASHER HEAVY	1.100	17.600
UD, MD, AND LD	18	231136	ANGLE V-5 STR 88 19/32"	18.910	340.380
ML	9	312123	5/8" GALVANIZED LOCKWASHER (53-22230)	0.020	0.180
AS	9	110467	SPACER 1/4" THICK 1 1/16" DIA HOLE	0.250	2.250
MB	9	227580	5/8"-11 X 2-1/4" A-325T HOT DIPPED GALV. BOLT (FULL	0.640	5.760
MN	9	312501	5/8"-11 HOT DIPPED GALVANIZED NUT	0.120	1.080
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
LCB	24	227668	3/4"-10 X 3-1/2" A-325T BOLT WITH FULL THREAD	0.540	12.960
LCF	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				1576.46 lb [715.72kg]	

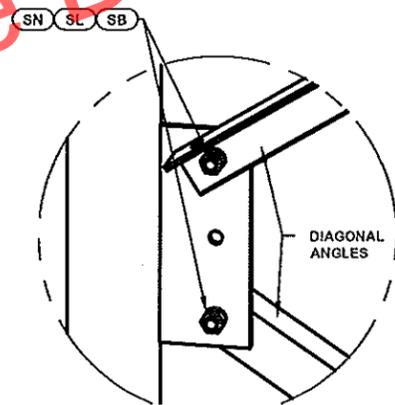
Reference Drawing for Style and Look.



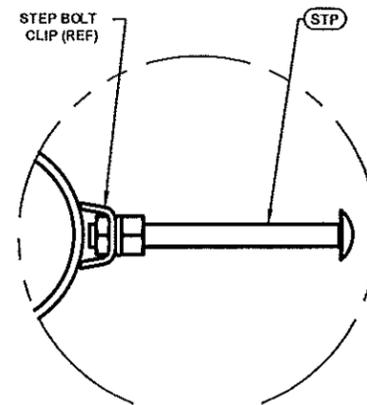
DETAIL A
ANGLE INTERSECTION CONNECTION



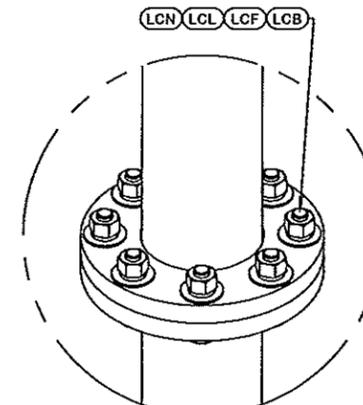
DETAIL B
END SIDE PLATE ANGLE CONNECTION



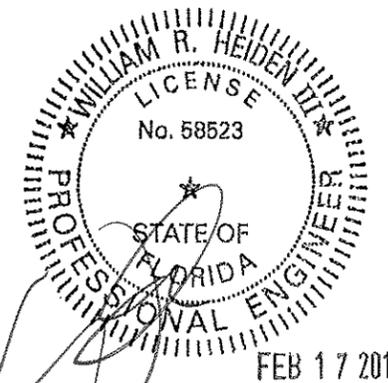
DETAIL C
MID SIDE PLATE ANGLE CONNECTION



STEP BOLT INSTALLATION



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

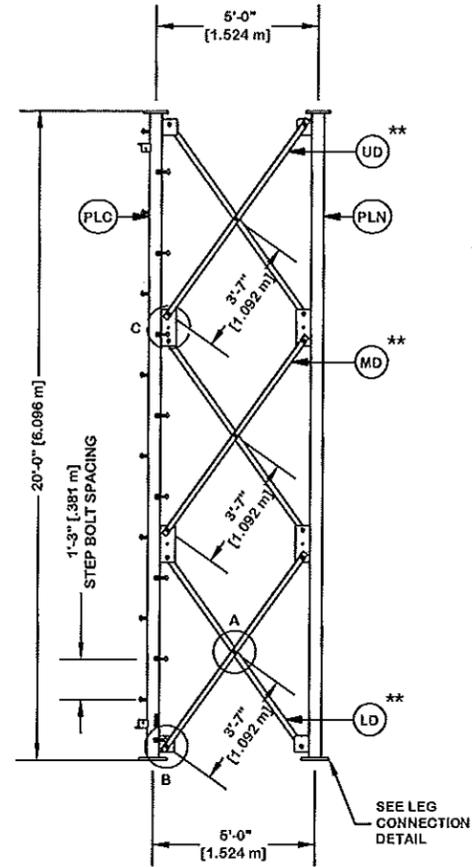


@A <ACBATCH> REV DESCRIPTION OF REVISIONS REVISION HISTORY		SKK 2/17/2017 CPD BY DATE	SITE COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300' COPYRIGHT 2013	DESCRIPTION SECTION V-5.0 (240' - 260' ELEVATION)	STRUCTURE APPROVAL SKK 2/17/2017	FOUNDATION APPROVAL	valmont STRUCTURES 1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR ENG. FILE NO. 343156 DWG. NO. 272821T	15 OF 17 PAGE
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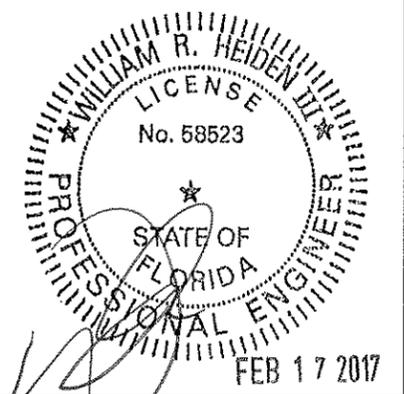
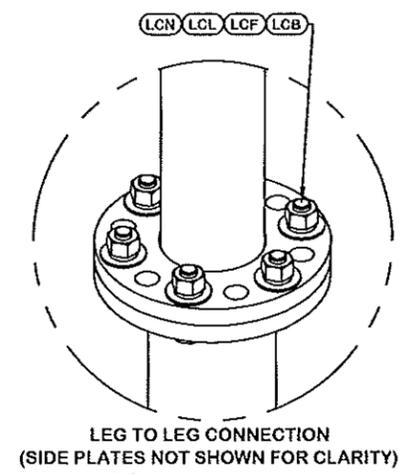
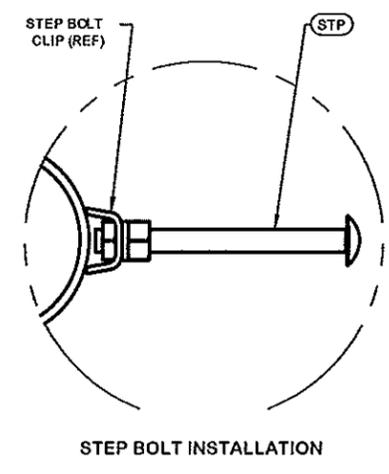
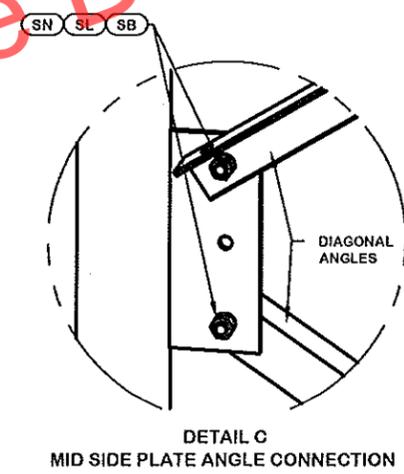
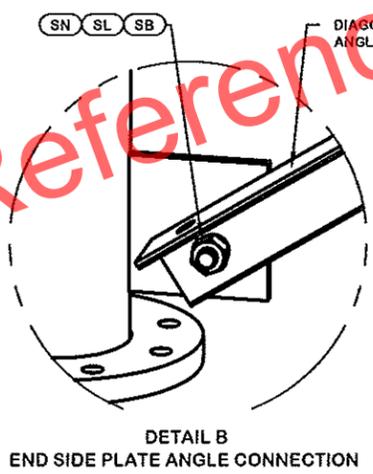
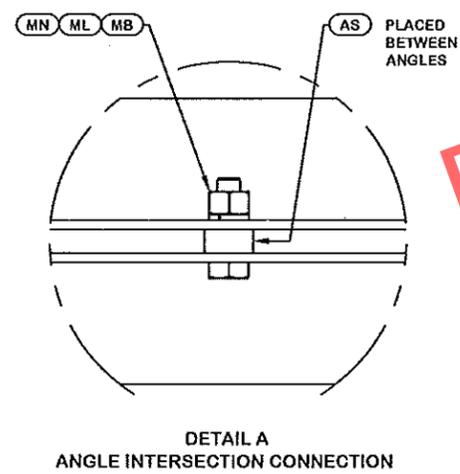
ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

ORIENT ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

** DIAGONAL ANGLES MUST BE INSTALLED
WITH THE NON-BOLTED FACE UP, ↑↑
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	229926	PIPE LEG SECTION 20'-0" (CLIMBING) 4" SCH. 40 V-SE	284.630	284.630
PLN	2	229927	PIPE LEG SECTION 20'-0" (NON-CLIMBING) 4" SCH. 40	284.630	569.260
STP	16	228189	STEP BOLT ASSY 5/8"-11 X 7" W/ LOCK WASHER HEAVY	1.100	17.600
UD, MD, AND LD	18	227113	ANGLE V-5 STR 89 17/32"	19.110	343.980
ML	9	312123	5/8" GALVANIZED LOCKWASHER (53-22220)	0.020	0.180
AS	9	116467	SPACER 1/4" THICK 1 1/16" DIA HOLE	0.250	2.250
MB	9	227680	5/8"-11 X 2-1/4" A325T HOT DIPPED GALV. BOLT (FULL)	0.640	6.760
MN	9	312501	5/8"-11 HOT DIPPED GALVANIZED NUT	0.120	1.080
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
LCB	18	227668	3/4"-10 X 3-1/2" A-325T BOLT WITH FULL THREAD	0.540	9.720
LCF	18	312152	3/4" GALVANIZED FLAT WASHER (F436)	0.080	1.440
LCL	18	312153	3/4" GALVANIZED LOCKWASHER	0.030	0.540
LCN	18	312502	3/4"-10 HOT DIPPED GALVANIZED NUT	0.190	3.420
Total Wt				1262.90 lb [573.37 kg]	



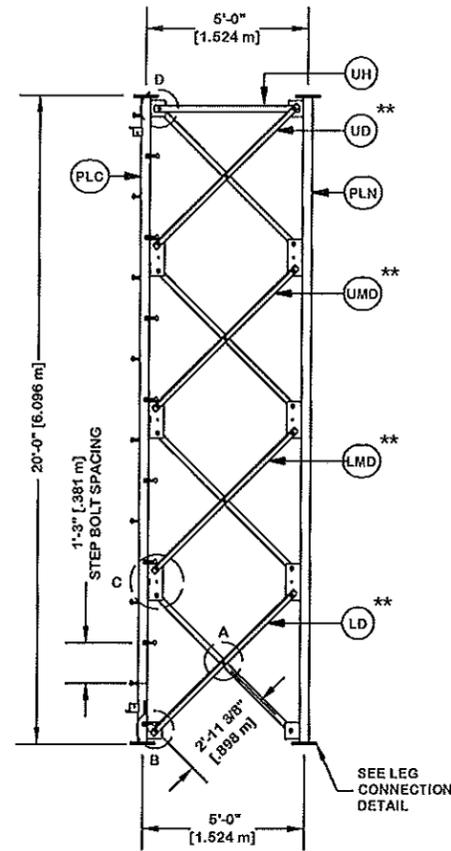
Reference Drawing for Style and Look.

@A <ACBATCH> REV DESCRIPTION OF REVISIONS CPD BY DATE REVISION HISTORY		SITE COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300' COPYRIGHT 2013		DESCRIPTION SECTION V-5.0 (260' - 280' ELEVATION)		valmont STRUCTURES 1-877-467-4763 Plymouth, IN 1-800-547-2151 Salem, OR		ENG. FILE NO. 343156 DWG. NO. 272821T	16 OF 17 PAGE
		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.		STRUCTURE APPROVAL SKK 2/17/2017		FOUNDATION APPROVAL			

ORIENT LEGS WITH P/N STAMP
TOWARD BOTTOM OF SECTION

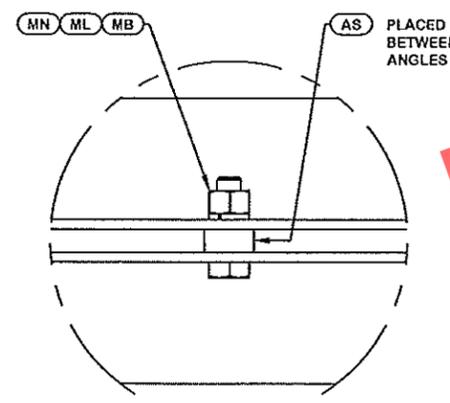
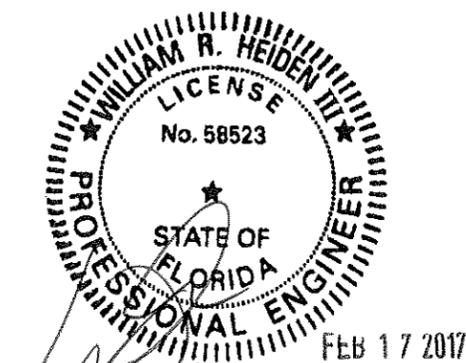
INSTALL ANGLES WITH STAMPED
END TOWARD TOP OF SECTION

** 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.

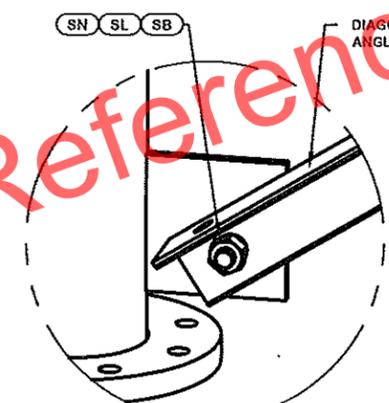


PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
PLC	1	226160	PIPE LEG SECTION 20'-0" (CLIMBING) 2 1/2" SCH. 40	194.380	194.380
PLN	2	226161	PIPE LEG SECTION 20'-0" (NON-CLIMBING) 2 1/2" SCH.	169.170	378.340
STP	16	228189	STEP BOLT ASSY 5/8"-11 X 7" W/ LOCK WASHER HEAVY	1.100	17.600
UD, UMD, LMD, AND LD	24	227077	ANGLE V-5 STR 74 7/32" - 2" X 2" X 1/8" ANGLE (A36)	10.710	267.040
ML	12	312123	5/8" GALVANIZED LOCKWASHER (53-22230)	0.020	0.240
AS	12	116467	SPACER 1/4" THICK 1 1/8" DIA HOLE	0.250	3.000
MB	12	227680	5/8"-11 X 2-1/4" A325T HOT DIPPED GALV. BOLT (FULL)	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
UH	3	227584	UPPER HORIZONTAL BRACE ANGLE FOR V-SERIES TOWER(2)	10.630	31.890
LCB	12	227668	3/4"-10 X 3-1/2" A-325T BOLT WITH FULL THREAD	0.540	6.480
LCF	12	312152	3/4" GALVANIZED FLAT WASHER (F436)	0.080	0.960
LCL	12	312153	3/4" GALVANIZED LOCKWASHER	0.030	0.360
LCN	12	312502	3/4"-10 HOT DIPPED GALVANIZED NUT	0.190	2.280
Total Wt				932.41 lb [423.32kg]	

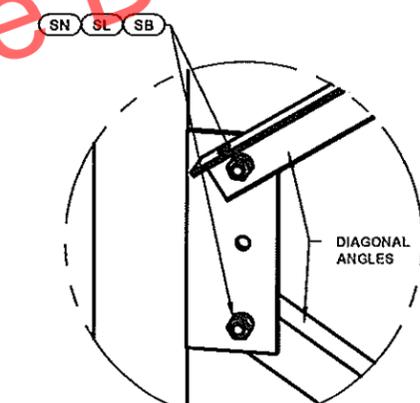
Reference Drawing for Style and Look.



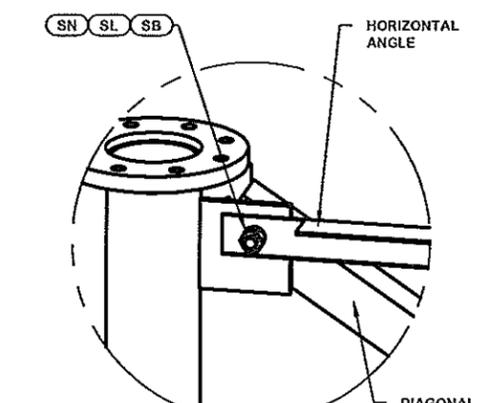
DETAIL A
ANGLE INTERSECTION CONNECTION



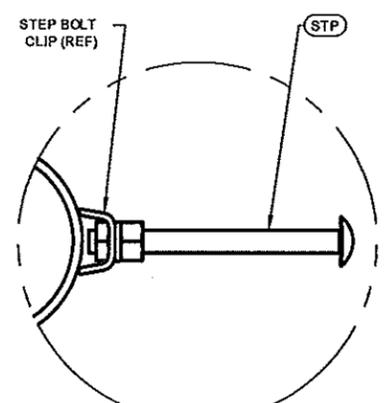
DETAIL B
END SIDE PLATE ANGLE CONNECTION



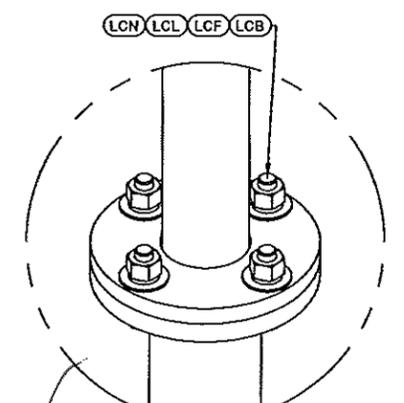
DETAIL C
MID SIDE PLATE ANGLE CONNECTION



DETAIL D
UPPER HORIZONTAL ANGLE CONNECTION



STEP BOLT INSTALLATION



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

SITE	
COLUMBIA COUNTY, DEEP CREEK, FL MOTOROLA SOLUTIONS U 29 X 300'	
COPYRIGHT 2013	
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-5.0 (280' - 300' ELEVATION)	
STRUCTURE APPROVAL	FOUNDATION APPROVAL
SKK	2/17/2017

valmont 

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

STRUCTURES

ENG. FILE NO. **343156**

DWG. NO. **272821T**

PAGE
17 OF 17

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
@A	<ACBATCH>		SKK	2/17/2017
REVISION HISTORY				

**COLUMBIA COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS**

SECTION IV. FORMS

**FORM A
VENDOR INFORMATION AND SIGNATURE FORM**

Vendor Name	
Trade License (If applicable)	
Contact Person(s)	
Street Address with City, State and Zip Code	
Mailing Address (If different from Above)	
Phone Number	
Fax Number	
E-Mail	
Proposer will do the work as	<input type="checkbox"/> Individual <input type="checkbox"/> Joint Venture <input type="checkbox"/> Partnership <input type="checkbox"/> Corporation
Date and State of Incorporation	DATE: _____ STATE: _____
Name of partnership or joint venture	

By signing below, the submission shall be deemed a representation and certification by the Proposing Firm that you have investigated all aspects of the solicitation, have read and understand the solicitation, and acknowledge all addenda.

Authorized Signature:
Printed Name of Signer:
Date Signed:
Title of Signatory:

**COLUMBIA COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS
FORM B
NON-COLLUSION AFFIDAVIT**

STATE OF _____ COUNTY OF _____

I state that I _____ of _____,
(Name and Title) (Name of Firm)

am authorized to make this affidavit on behalf of my firm and its owner, directors and officers. I am the person responsible in my firm for the price(s) and amount(s) of this Response, and the preparation of the Response. I state that:

1. The price(s) and amount(s) of this Response have been arrived at independently and without consultation, communication or agreement with any other Provider, potential provider, Proposal, or potential Proposal.
2. Neither the price(s) nor the amount(s) of this Response, and neither the approximate price(s) nor approximate amount(s) of this Response, have been disclosed to any other firm or person who is a Provider, potential Provider, Proposal, or potential Proposal, and they will not be disclosed before Proposal opening.
3. No attempt has been made or will be made to induce any firm or persons to refrain from submitting a Response for this contract, or to submit a price(s) higher than the prices in this Response, or to submit any intentionally high or noncompetitive price(s) or other form of complementary Response.
4. The Response of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive Response.
5. _____, its affiliates, subsidiaries, officers, director, and employees
(Name of Firm)
are not currently under investigation, by any governmental agency and have not in the last three years been convicted or found liable for any act prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to Proposal, on any public contract, except as follows:

I state that I and the named firm understand and acknowledge that the above representations are material and important, and will be relied on by the Board of County Commissioners of Columbia County, Florida for which this Response is submitted. I understand and my firm understands that any misstatement in this affidavit is, and shall be treated as, fraudulent concealment from the State of Florida of the true facts relating to the submission of responses for this contract.

Dated this _____ day of _____, _____.

Name of Organization: _____

Signed by: _____

Print Name: _____

Being duly sworn deposes and says that the information herein is true and sufficiently complete so as not to be misleading.

The foregoing instrument was executed before me this day _____ of _____ 20____,
by _____ as _____ of _____,
_____, who personally swore or affirmed that he/she is authorized to execute this document and thereby bind the Corporation, and who is personally known to me OR has produced _____ as identification.

(stamp)

NOTARY PUBLIC, State of _____

**COLUMBIA COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS
FORM C
PUBLIC ENTITY CRIMES FORM**

SWORN STATEMENT UNDER SECTION 287.133(3) (a), FLORIDA STATUTES: THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted with Proposal, ITN, or Contract Number _____.
2. This sworn statement is submitted by _____ whose
[Name of entity submitting sworn statement]
business address is _____ and (if applicable) its Federal
Employer Identification Number (FEIN) is _____ (If the entity has no FEIN, include the Social
Security Number of the individual signing this sworn statement: _____).
3. My name is _____ and my relationship to the above is
[Please print name of individual signing]
_____.
4. I understand that a "public entity crime" as defined in section 287.133(l)(g), Florida Statutes, means a violation of any state or federal *law by* a person with respect to and directly related to the transaction of business with any public entity in Florida or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any proposal or contract for goods or services to be provided to any public entity or an agency or political subdivision and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
5. I understand that "convicted" or "conviction" as defined in section 287.133(l) (b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.
6. I understand that "affiliate" as defined in section 287.133(l) (a), Florida Statutes, means:
 - a. A predecessor or successor of a person convicted of a public entity crime; or
 - b. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding thirty-six (36) months shall be considered an affiliate.
7. I understand that a "person" as defined in section 287.133(l) (e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids/qualifications or applies to bids/qualifications on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

**COLUMBIA COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS**

8. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. **[Please indicate which statement applies].**

____ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who is active in the management of the entity, nor any affiliate of the entity have been convicted of a public entity crime subsequent to July 1, 1989.

____ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **[Please indicate which additional statement applies].**

____ There has been a proceeding concerning the conviction before a judge or hearing officer of the State of Florida, Division of Administrative Hearings, or a court of law having proper jurisdiction. The final order entered by the hearing officer or judge did not place the person or affiliate on the convicted Contractor list. **[Please attach a copy of the final order.]**

____ The person or affiliate was placed on the convicted Contractor list. There has been a subsequent proceeding before a court of law having proper jurisdiction or a judge or hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the judge or hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted Contractor list. **[Please attach a copy of the final order.]**

____ The person or affiliate has not been placed on any convicted vendor list. **[Please describe any action taken by or pending with the State of Florida, Department of Management Services.]**

By the signature(s) below, I/we, the undersigned, as authorized signatory to commit the firm, certify that the information as provided in FORM "C", Public Entity Crimes, is truthful and correct at the time of submission.

AFFIANT

Typed Name of AFFIANT

Title

STATE OF _____

County OF _____

The foregoing instrument was executed before me this day _____ of _____
20____, by _____ as _____ of
_____, who personally swore or affirmed that he/she is authorized
to execute this document and thereby bind the Corporation, and who is personally known to me OR has produced
_____ as identification.

(stamp)

NOTARY PUBLIC, State of _____

**COLUMBIA COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS
FORM D
DRUG-FREE WORKPLACE CERTIFICATE**

The drug-free certification form below must be signed and returned with the solicitation response.

In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business' policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid/proposal a copy of the statement specified in the first paragraph.
4. In the statement specified in the first paragraph, notify the employees that, as a condition of working on the commodities or contractual services that are under bid/proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893, Florida Statutes, or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in, a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of the foregoing provisions.
7. By the signature(s) below, I/we, the undersigned, as authorized signatory to commit the firm, certify that the information as provided in FORM "D", Drug-Free Workplace Certification, is truthful and correct at the time of submission.

AFFIANT

Typed Name of AFFIANT

Title

STATE OF _____

County OF _____

The foregoing instrument was executed before me this day _____ of _____
20____, by _____ as _____ of
_____, who personally swore or affirmed that he/she is authorized
to execute this document and thereby bind the Corporation, and who is personally known to me OR has produced
_____ as identification.

(stamp)

NOTARY PUBLIC, State of _____

**COLUMBIA COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS
FORM E
CONFLICT OF INTEREST STATEMENT**

STATE OF _____

COUNTY OF _____

Before me, the undersigned authority, personally appeared _____, who was duly sworn, deposes, and states:

1. I am the _____ of _____ with a local office
(Insert Title) (Insert Company Name)
in _____ and principal office in _____.
Said entity is submitting this proposal/offer to project number: _____.
2. The AFFIANT has made diligent inquiry and provided the information in this statement affidavit based upon its full knowledge.
3. The AFFIANT states that only one submittal for this solicitation has been submitted and tendered by the appropriate date and time and that said above stated entity has no financial interest in other entities submitting a proposal for the work contemplated hereby.
4. Neither the AFFIANT nor the above named entity has directly or indirectly entered into any agreement, participated in any collusion or collusive activity, or otherwise taken any action which in any way restricts or restrains the competitive nature of this solicitation, including but not limited to the prior discussion of terms, conditions, pricing, or other offer parameters required by this solicitation.
5. Neither the entity nor its affiliates, nor anyone associated with them, is presently suspended or otherwise prohibited from participation in this solicitation or any contract to follow thereafter by any government entity.
6. Neither the entity nor its affiliates, nor anyone associated with them, have any potential conflict of interest because and due to any other clients, contracts, or property interests in this solicitation or the resulting project.
7. I hereby also certify that no member of the entity's ownership or management or staff has a vested interest in any County Office or Department.
8. I certify that no member of the entity's ownership or management is presently applying, actively seeking, or has been selected for an elected position within Columbia County government.
9. In the event that a conflict of interest is identified in the provision of services, I, the undersigned will immediately notify the County in writing.

AFFIANT

Typed Name of AFFIANT

Title

STATE OF _____

County OF _____

The foregoing instrument was executed before me this day _____ of _____ 20____,
by _____ as _____ of _____
_____, who personally swore or affirmed that he/she is authorized to execute this document and thereby bind the Corporation, and who is personally known to me OR has produced _____ as identification.

(stamp)

NOTARY PUBLIC, State of _____

**COLUMBIA COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS
FORM F
CERTIFICATE REGARDING LOBBYING AND DEBARMENT, SUSPENSION, AND
OTHER RESPONSIBILITY MATTERS**

1. Lobbying

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 28 CFR Part 69, for persons entering into a grant or cooperative agreement over \$100,000, as defined at 28 CFR Part 69, the applicant certifies that:

- A. No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the making of any federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal grant or cooperative agreement.
- B. If any funds other than federal appropriated funds have been paid or will be paid to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this federal grant or cooperative agreement, the undersigned shall complete and submit Standard Form LLL – “Disclosure of Lobbying Activities”, in accordance with its instructions.
- C. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontracts) and that all subrecipients shall certify and disclose accordingly.

2. Debarment, Suspension and Other Responsibility Matters

As required by Executive Order 12549, Debarment and Suspension, and implemented at 28 CFR Part 67 –

- A. The applicant certifies that it and its principals:
 - I. Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any federal department or agency;
 - II. Have not within a three-year period preceding this application been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - III. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (a)(ii) of this certification; and
 - IV. Have not within a three-year period preceding this application had one or more public transactions (Federal, State or local) terminated for cause or default. (b) Where the applicant is unable to certify to any of the statements in this certification, he or she shall attach an explanation to this application.

**COLUMBIA COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS**

As the duly authorized representative of the applicant, I hereby certify that applicant will comply with the above referenced certifications.

AFFIANT

Typed Name of AFFIANT

Title

STATE OF _____

County OF _____

The foregoing instrument was executed before me this day _____ of _____
20____, by _____ as _____ of
_____, who personally swore or affirmed that he/she is
authorized to execute this document and thereby bind the Corporation, and who is personally known to me OR
has produced _____ as identification.

(stamp)

NOTARY PUBLIC, State of _____

**COLUMBIA COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS
FORM G
HUMAN TRAFFICKING AFFIDAVIT**

Affiant swears under pain and penalty of perjury that the company or entity does not use coercion for labor or services as defined by Florida Statute § 787.06 which is hereby incorporated by reference.

(Company or Entity Name)

Affiant who is an Officer/Authorized Representative of Company or Entity

(Signature)

(Print Name)

(Date)

STATE OF _____)

COUNTY OF _____)

Sworn to and subscribed before me this _____ day of _____, 202__ by
_____ by means of physical presence and _____
who is personally known to me or _____ has produced
_____ as identification.

(NOTARY STAMP)

Notary Public

**COLUMBIA COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS**

**FORM H
CERTIFICATES OF INSURANCE**

Please attach proof of insurance.

**COLUMBIA COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS**

**FORM I
W-9**

Please attach W-9 form.

**COLUMBIA COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS**

**FORM J
PROPOSED CONTRACT**

Template of Proposed Consultant Service Agreement is attached (Do not complete)