CHUGACH ELECTRIC ASSOCIATION, INC. Anchorage, Alaska

January 16, 2025

ADDENDUM #1

E2220061 – South Campus Pole Relocation – Phase 1

The following changes and additions have been made to the contract documents. Incorporate these changes and additions in your bid, sign the acknowledgement, and attach a signed copy of this addendum to your bid when submitted.

- 1. Pre-bid Meeting Agenda.
- 2. Bid Questions & Answers.
- 3. Pre-Bid Sign in Sheet.
- 4. Valmont Structure Shop Drawing.
- 5. South Campus Underground Facilities map.
- 6. Facility Site Plan Storm Drain.
- 7. INSS Grounding Grid Drawing.
- 8. Laydown Area map.
- 9. Bid Extension, due date January 23, 2025.

<u>ACKNOWLEDGEMENT</u>

The undersigned Bidder hereby certifies that the revisions herein set forth have been incorporated in his Bid and form a part of the Contract documents.

Address
Date
Mah Mulh

Mike Miller, P.E. VP, Engineering



Chugach Electric Association, Inc. South Campus Pole Relocation – Phase 1 W.O. E2220061 Pre-Bid Meeting Agenda December 19, 2024 – 9:00 AM

Introduction of Attendees

Introduction of all attendees.

Sign in sheet to be distributed with meeting minutes.

Description of Project

Chugach is creating a new laydown yard at their South campus facility and needs several existing 138kV transmission and 34.5kV subtransmission lines realigned to reduce structure quantity and guy anchors to optimize access.

The project consists of existing transmission and subtransmission line structures, foundations, conductors, guys and anchors to be retired. And new structures, pile foundations, conductors, and guys installed.

This project involves:

- A. Retiring existing 138kV Structure ITIN1 1-2 and installing new 138kV Structure ITIN1 1-2. Relocate 138kV conductors between existing lattice INSS H-frame structure and existing Structure ITIN1 1-1.
- B. Retiring existing 138kV Structure ITIN2 1-2 and installing new 138kV Structure ITIN2 1-2. Relocate 138kV conductors between existing wood INSS H-frame structure and existing Structure ITIN2 1-1.
- C. Retiring existing wood Stub Poles N-1 (INWJ 1-1A), N-2 (INSN 1-1B), and N-3 (INSN 1-1A), retiring existing 34.5kV Structure N-4 (INSN 1-1C), and installing new Stub Pole N-1 and new Structure N-4. Relocating 34.5kV conductors (currently de-energized) between existing Structure SLSS/ATSS 332C (INSN 1-1) and existing Structure 6-13 (0332). Replacing span guys backing up three 34.5kV deadend circuits.

Safety

Safety is a top priority on this project. As such, the Contractor shall provide a site-specific Health, Safety, and Environmental plan for this project. The plan shall include all the requirements specified in Appendix B of the Bid Documents. NTP will not be issued until the HSE plan is submitted as specified.

Access

Prior authorization is required to access the work site. The work site is accessible from Electron drive. Then East into a driveway between INSS and ITSS. See map attached.



Permits

Chugach obtained a Storm Water Pollution Prevention Plan (SWPPP), located in Appendix G. Contractor shall be responsible for installation and maintenance of all BMPs as specified in the Bid Documents. Chugach shall provide SWPPP inspection and Contractor shall be responsible for maintenance of BMPs as directed by Chugach.

All other permits shall be the responsibility of the Contractor.

Materials

All OFM (Owner Furnished Material) is listed under "List of Owner Furnished Material" in the bid package. If the material is not listed under "List of Owner Furnished Material" the Contractor is responsible for providing the material as a part of the appropriate bid unit. The Contractor shall be responsible for coordinating material pickup with Chugach warehouse. All material may not be available when NTP is issued. Material estimated arrival dates are listed on OFM list. Contractor to schedule work according to arrival dates of material.

OFM materials in the Contractor's possession shall be properly stored in accordance to the specification, industry standards and practices.

Construction Schedule

A Construction schedule shall be provided with bid. Included in the construction schedule shall be all of the items listed in Section 4.3.A of the Special Provisions.

Dates

Bids due: January 21, 2025 by 2:00 pm

The notice of intent to award is anticipated to be issued by January 30, 2025.

Notice to Proceed will NOT be issued until:

- The Contractor provides all documents required in the Bid Documents, including:
 - Performance and Payment Bonds
 - o Insurance Certificate
 - o HSE Plan
 - Project Schedule

All Work shall be completed by March 20, 2025. Liquidated damages in the amount specified in the Invitation to Bid shall apply if Contractor fails to complete the Work by March 20, 2025.

Insurance

The value of Owner Furnished Material is to be included in the Contractor's Builders Risk Insurance for the project. Builders Risk Insurance is to cover materials until the project is complete. The Contractor's bid bond shall be submitted with the bid. Insurance and the performance bond are both required prior to NTP. The Owner Furnished Material does not require bonding.



The Contractor shall comply with all Insurance Requirements as listed in the OLECC.

Site Walk Down

Site walkthrough is planned for December 19, 2024, immediately after the pre-bid meeting.

Misc. Issues

The cost of the As-Built Survey is incidental to the effected bid units.

Bid Questions

Questions are due no later than 12:00 PM Alaska Time, Tuesday, January 7, 2025. Responses will be sent via email to all Bidders, by 5:00 PM, Alaska Time, Thursday, January 16, 2025.

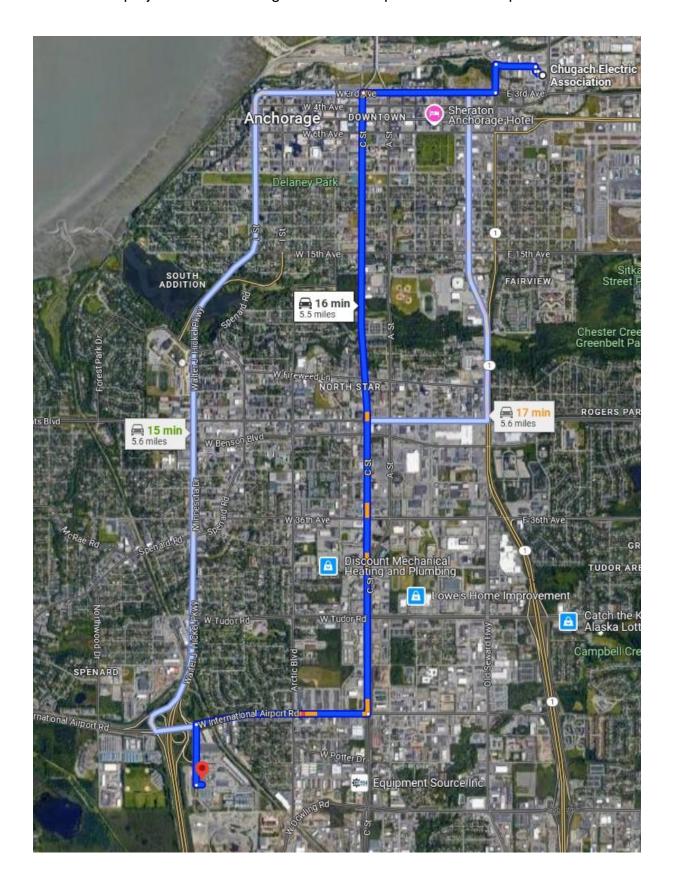
Outage Coordination

Due to high electrical demand during wintertime. Outage sequencing is required. Sequence should be such that only one set of 138 kV transmission between INSS and ITSS can be out at a time while working. In addition, the 34.5 kV subtransmission will follow the same sequencing.

For example,

- 1. Deenergize INSS T1
- 2. Install and connect to ITIN1 1-2
- 3. Reenergize INSS T1
- 4. Deenergize INSS T2
- 5. Install and connect to ITIN2 1-2
- 6. Reenergize INSS T1
- 7. 34.5 kV work

Direction to project site from Chugach North campus to South campus.





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South Campus Pole Relocation – Phase 1 Q&A

- Q1: Is CEA going to reroute employee parking during construction at the entrance?
- A1: A complete closure of Chugach outer West gate for duration of the construction will not be possible. Contractors should provide a work plan and schedule identifying dates for closure, work with the Project team and operations to reroute vehicular traffic to employee parking as needed.
- Q2: Does CEA know of any underground impacts at the entrance where the new h-structure goes?
- A2: There is a storm drain running from outer West gate to the ditch West of Electron drive. Also, an Enstar high pressure gas line is in the ROW East of Electron drive. See attached South Campus Underground Facilities map and storm drain asbuilt. The contractor is ultimately responsible for obtaining locates and navigating around any underground utilities that may exist.
- Q3: What permits will the contractor be required to obtain?
- A3: The 34.5 kV pole replacement work is adjacent to MOA ROW on Electron drive. MOA Traffic control permit may be needed depending on where the contractor's equipment is placed during pile driving work.
- Q4: How will access through the gate be handled? Will Contractor be required to call security every time we need into the fenced yard? Will contractor be issued a security card/badge to access area behind gate? Can the gate be left open during contractor working hours?
- A4: Chugach representative will be on site to open the West gate during work hours. The project team will assist in coordination between the contractor and Chugach personnel for gate access.
- Q5: Will the Contractor be allowed to have a show up trailer behind the gate and have access to 120/240 power?
- A5: Yes, the contractor will be allowed to have a show up trailer behind the gate. Refer to the special provisions with regards to temporary power.
- Q6: Will the Contractor have access to a storage/lay down area for materials?
- A6: Yes, contractor can access the BESS yard for material pick up and materials currently staged in the yard can remain stored there until the contractor picks them up as needed for the project.

Coordinate with the project team before use is required. The steel structures, piles and misc. material are currently stored in the BESS yard. See attached map for location.

- Q7: Will the Contractor be allowed to shut down the access point to the employee parking when needed?
- A7: A complete closure of Chugach outer West gate for duration of the construction will not be possible. Contractors should provide a work plan identifying date for closure, work with the project team and CEA operations to reroute vehicular traffic to employee parking as needed.
- Q8: Will the scheduled outages on the southern intertie/sterling line conflict with outages for this project?
- A8: No. This project will not conflict with the southern intertie/sterling project.
- Q9: Can the anchor demo be completed in May or June of 2025 after the spring thaw?
- A9: No. The guy anchors should be demo by the end of construction dated March 20, 2025.
- Q10: Please verify that anchor rods need to be cut 18 inches below grade and anchors can be abandoned in place.
- A10: Yes, that's Chugach intent.
- Q11: Is there any update to the material delivery schedule?
- A11: The piles are expected to be delivered by February 4, 2025. Misc hardware for the structure are to be delivered by January 29, 2025. Other owner furnished materials are in stock at CEA South warehouse, and structures are stored in the BESS yard.
- Q12: Would it be possible to have the area where the piles will be driven located before time of bid? Or can CEA verify that no 35 KV is underground in that area?
- A12: No. The contractor is ultimately responsible for obtaining locates and navigating around any underground utilities that may exist.
- Q13: Can all the 35KV circuits be switched out at the same time? Or 2 out of 3? Or will these be one at a time like the 138KV?
- A13: Yes, the 34.5kV circuits can be completely de-energized and isolated during the 34.5kV work.

- Q14: How many pieces will each steel structure be in when Contractor picks up?
- A14: All steel structures have arrived and are stored in the BESS yard. See attached manufacturer's shop drawings for complete structure breakdown.
- Q15: Will each ICOR/change order event be tracked over the life of the job or will they need to be addressed as a lump sum before the change order takes place?
- A15: Change Orders should be submitted and processed as documented in the OELCC.
- Q16: Does CEA want to keep any of the retired materials, including poles?
- A16: No. Chugach does not have any intent of retaining any of the retired materials.
- Q17: Will the new poles and piling be delivered to the South Campus?
- A17: The new poles are stored at South Campus BESS yard. Also, when the piles arrive it will be stored there as well. Contractors are to coordinate with Chugach warehouse personnel for material pickup.
- Q18: New 35kv structure appears to be within 10ft of Enstars system. Please confirm new structure is more than 10ft away from Enstar. If within 10ft of Enstars system, will they require any special monitoring during the pile install?
- A18: That is correct, Enstar gas line does appear to be within 10ft of the furthest 34.5kV West pile to be driven. Therefore, contractor will need to have this line located prior to the driving process begins. If the line is within 10ft of the new pile, an Enstar representative would need to be present during the pile driving. The project team has discussed it with Enstar representative. See attached South Campus Underground Facilities map. Any costs associated with coordinating with Enstar are incidental to the affected bid unit.
- Q19: Can the two 115kv circuits between the ITN1 circuit and the 35kv SLSS circuit be de-energized during the pile installation? The worry is that there may not be enough space to set the crane up for driving the pile.
- A19: Those two circuits are 115kV and 138kV. The 115kV is closest to 34.5kV work. Yes, it is possible to de-energize the two circuits during 34.5kV work. This must be part of the contractors switching order request to CEA dispatch.
- Q20: It appears that the exiting conductors will have additional conductor spliced onto the ends so they can span the new back span distances. Please confirm that this is CEA's intentions.
- A20: Yes, this is Chugach's intentions.

Q21: Will CEA allow multiple splices in one span of wire?

A21: Yes, if there are existing splices in the conductor, Chugach will allow one more.

Q22: What is the ground grid spacing inside the INSS substation fence?

A22: Grid spacing are approximately 19'- 9"x19'-0". See attached ground grid drawings.

Q23: Can pile driving contractor be on project without the line contractor being present?

A23: No. The Primary contractors should be on site during subcontractors' and all work.

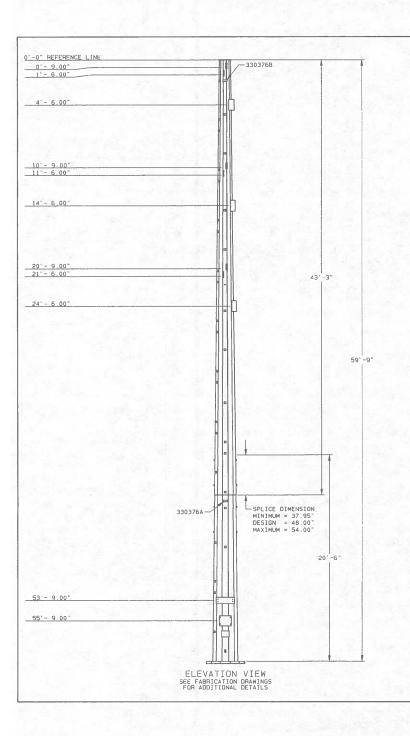


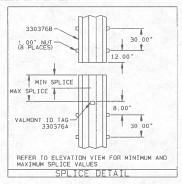
SOUTH CAMPUS POLE RELOCATION - PHASE 1

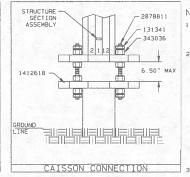
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PRE-BID Sign-in Sheet
DATE: 12-19-2024, TIME: 9:00 am

	CONTACT INFORMATIONS (PRINT CLEARLY)	Company Name	Telephone Number
Name:	Supat - Chanonto & Chusach electric con	CEA.	901 \$62 45 (0)
Name:	Ben Miebs	ERC	907-830-7304
Email:	bmiess@ El Constructors. com		
Name:	Jash Milla	Sturgeon	907-371-0510
Email:	Jmilla@myrgroup.com		
Name:	Ian Whitmore	Stugeon	907-440-7438
Email:	I whitmore @ my group low	1 tower Color	
Name:	Mila Willer	CFA	
Email:			
Name:	Peyton Reid	CCA	907-762-4557
Email:	peyton-reid@chugaehelectric.com	CEA	101-102 100 +
Name:	Joash Marquez	CEA	907-762-4178
Email:	Joash-marquez@chigaehelectric.com		ł '







138KV TRANSMISSION LINE

NOTES:

- POLE SHAFT-GOVERNING REACTIONS. MOMENT = 12.713 IN-KIPS SHEAR = 21.780 # VERTICAL = 9.561 #
- COMPONENT IDENTIFICATION. VALMONT ID TAG LOCATIONS ARE INDICATED BY CALLOUTS ON DRAWING THE VALMONT ID TAG CONTAINS INFORMATION FOR INTERNAL TRACKING AND FIELD ASSEMBLY. ONLY THE VALMONT PART NUMBER NEEDS TO MATCH OUR FIELD ASSEMBLY. ALL OTHER IDENTIFICATION IS POR INTERNAL USE.
- A = MANUFACTURING SITE (ONE CHARACTER)
 B = VALMONT PART NUMBER (SEVEN CHARACTERS)
 C = VALMONT ORDER NUMBER (SIZ CHARACTERS)
 D = VALMONT SHOP ORDER NUMBER (SEVEN CHARACTERS)
 E = VALMONT SHOP ORDER LOT/BATCH NUMBER (ONE OR MORE CHARACTERS)

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- ASSEMBLY AND ERECTION GUIDELINES: SEE VALMONT TRANSMISSION INSTALLATION GUIDELINE 1002 (WWW.VALMONTUTILITY.COM/1002).
- SLIP JOINT JACKING FORCE MINIMUM = 25,000# MAXIMUM = 90,000#



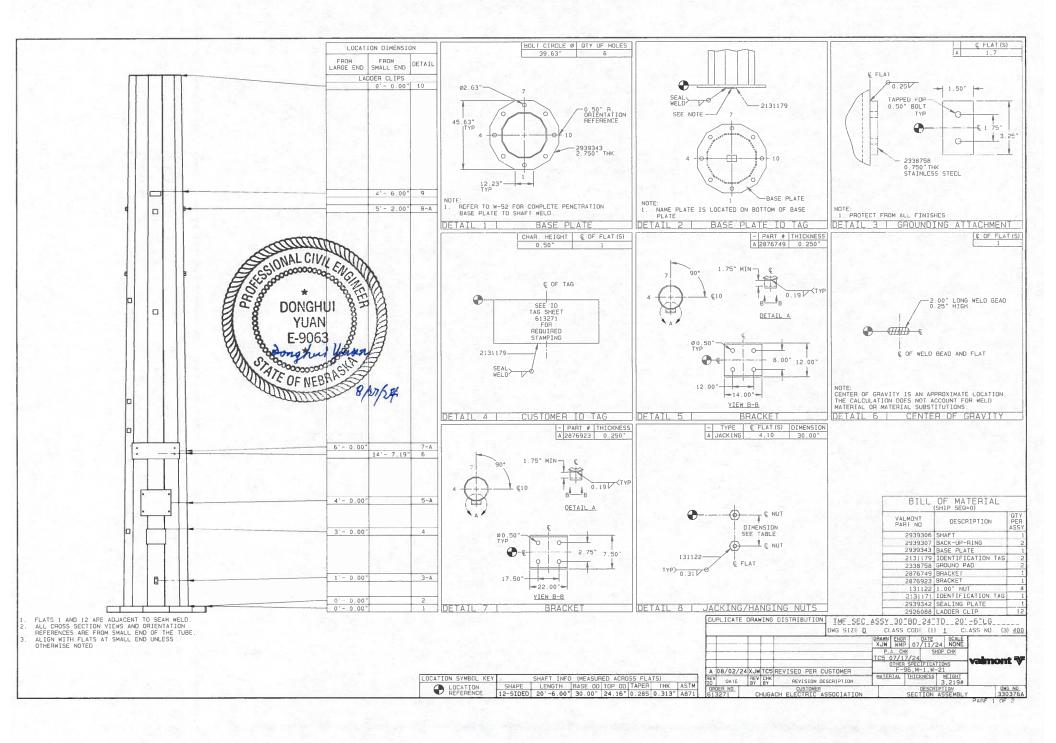
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14126	1412618 BASE PLATE ASSEMBLY						1.274	1
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343036		2	2.25	Cook	11-11-11-11-11-11-11-11-11-11-11-11-11-	HDGV	A563	32
131341	30,50	-	2.25	15-0		HDGV	A153	16

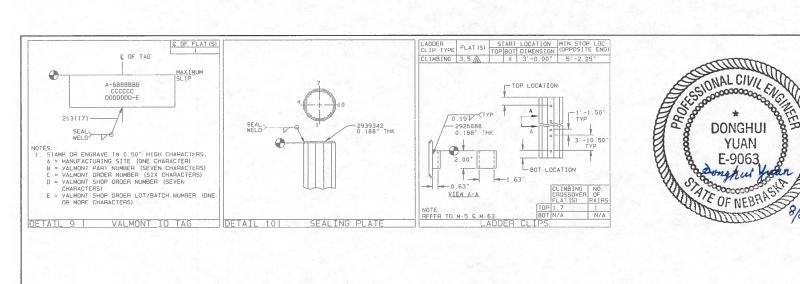
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REV DATE	REV CHK REVISION DESCRI	PTION MATERIAL THICKNESS WEIGHT	

PROPRIETARY INFORMATION

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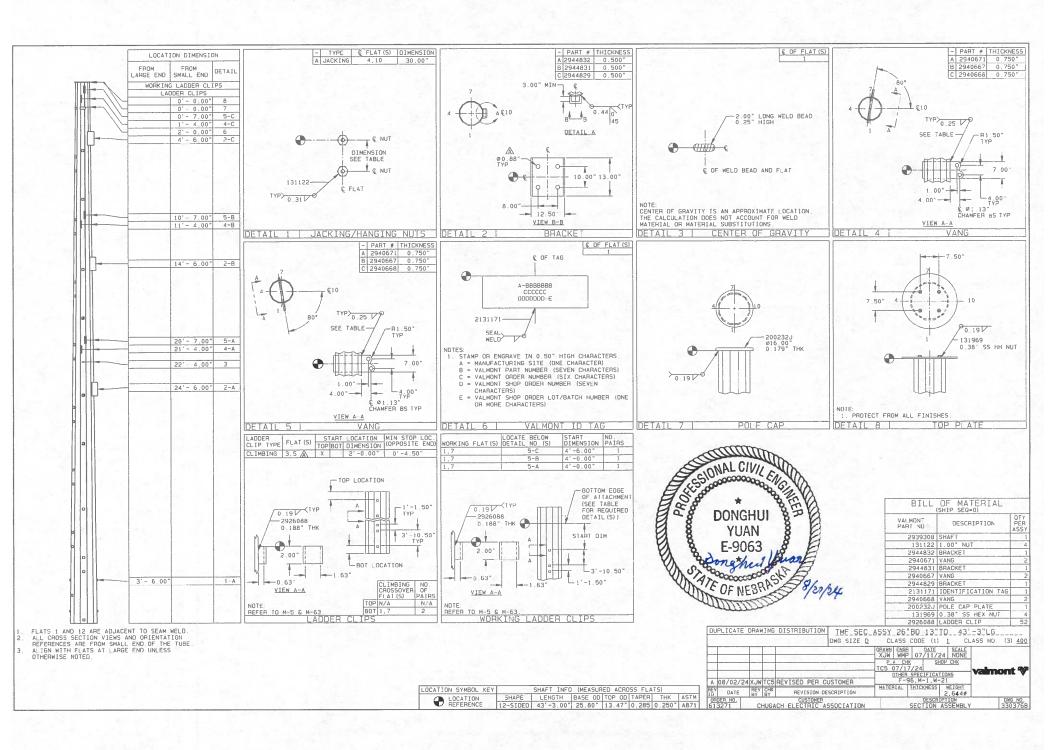


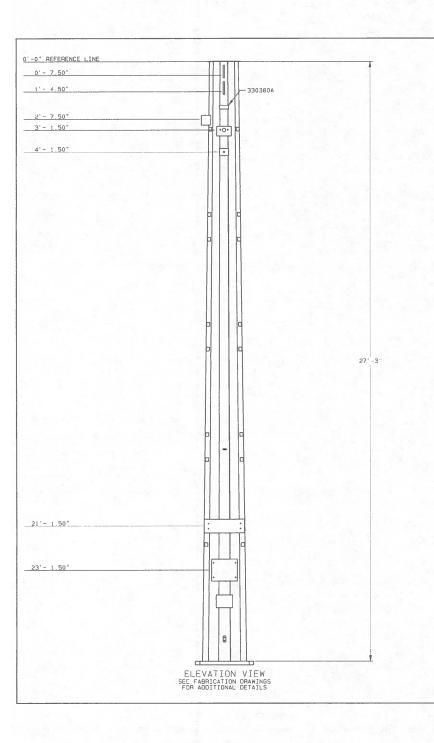


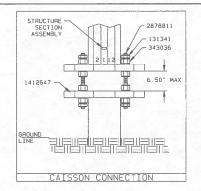
000ER NO. CHUGACH ELECTRIC ASSOCIATION

DESCRIPTION SECTION ASSEMBLY

330376







NOTES:

- POLE SHAFT-GOVERNING REACTIONS.
 MOMENT = 5.408 IN-KIPS
 SHEAR = 17.261 #
 VERTICAL = -175 #
- COMPONENT IDENTIFICATION. VALMONT ID TAG LOCATIONS ARE INDICATED BY CALLOUTS ON DRAWING THE VALMONT ID TAG CONTAINS INFORMATION FOR INTERNAL TRACKING AND FICLD ASSEMBLY. ONLY THE VALMONT PART NUMBER NEEDS TO MATCH FOR FIELD ASSEMBLY, ALL OTHER IDENTIFICATION IS FOR INTERNAL USE.
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 CHARACTERS)
 E = VALMONT SHOP ORDER LOT/BATCH NUMBER (ONE
 OR MORE CHARACTERS)

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ASSEMBLY AND ERECTION GUIDELINES. SEE VALMONT TRANSMISSION INSTALLATION GUIDELINE 1002 (WWW.VALMONTUTILITY.COM/1002).



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VALMONT PART NUMBER DESCRIPTION							UNIT WEIGHT (LBS)	QTY PER STR
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14126	1412647 BASE PLATE ASSEMBLY						564	1
VALMONT				DESC	RIPTION			D714
PART		DWARE	SIZE	(IN)				PER
NUMBER	В	DLT	NUT	WSHR	GENERAL	FINISH	SPEC	STR
	DIA	LONG	NUI	MOHH			SPEC	
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343036			2.25			HOGV	A563	16
121241			2 25			HDCV	ALES	0

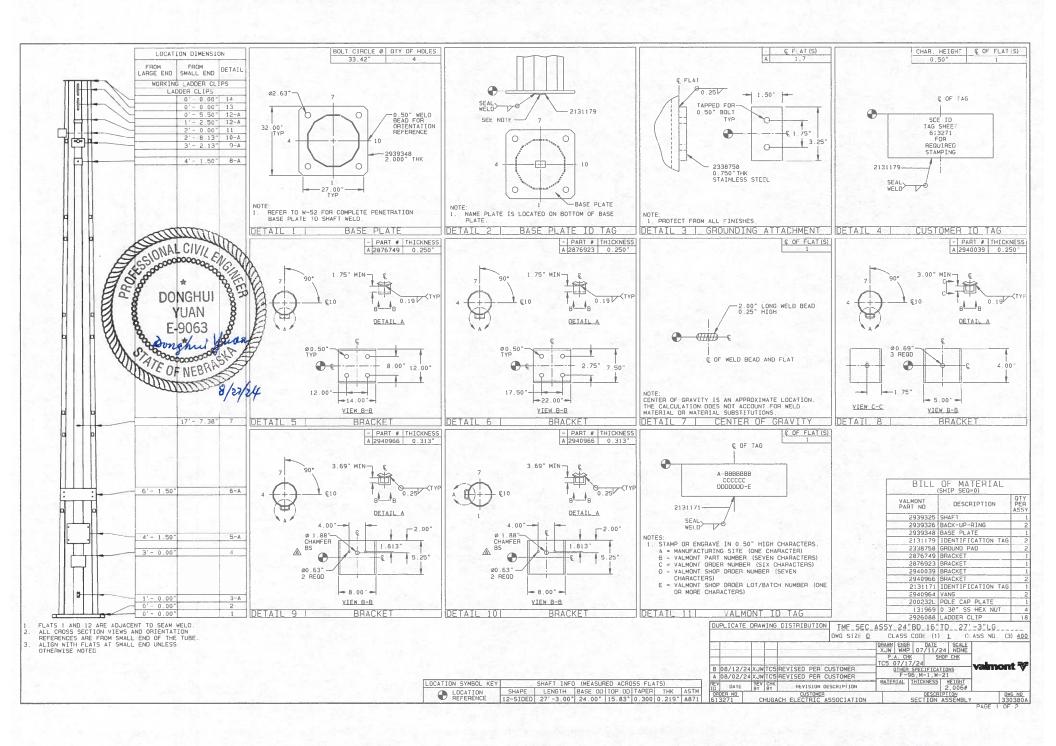
34.5KV SUBTRANSMISSION LINE 27.3' AGH, N-1

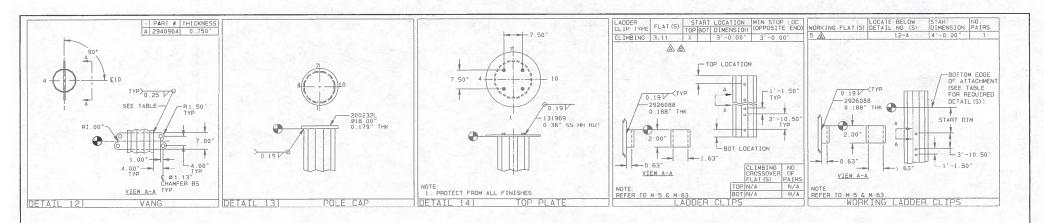
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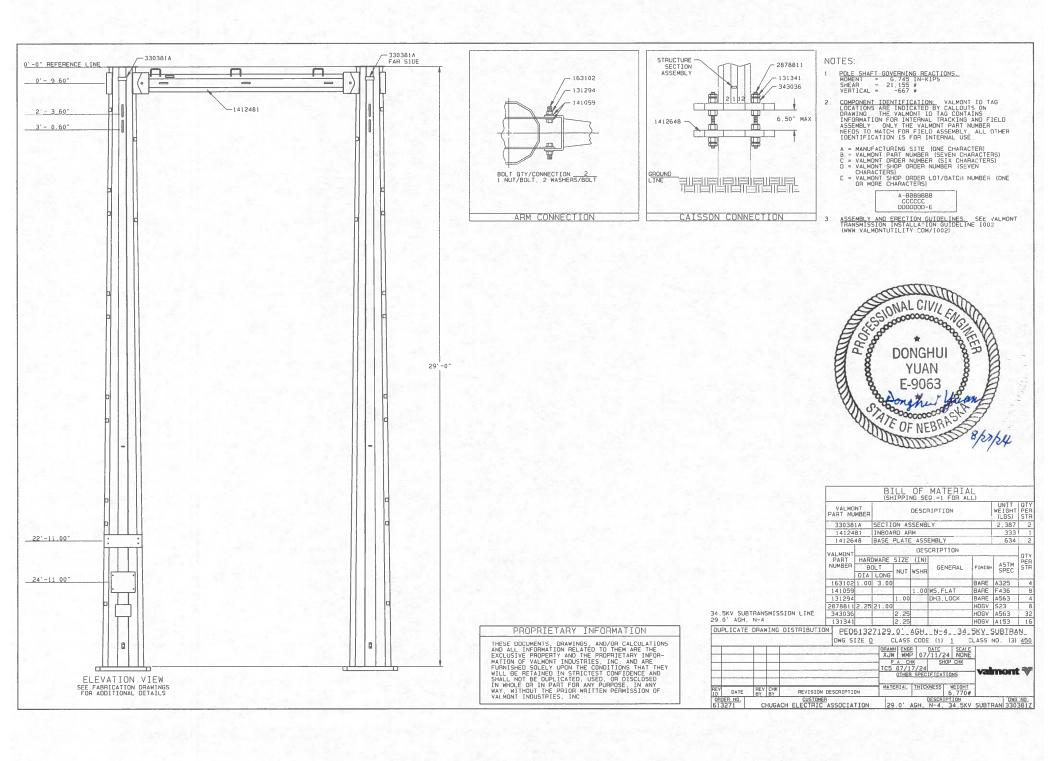


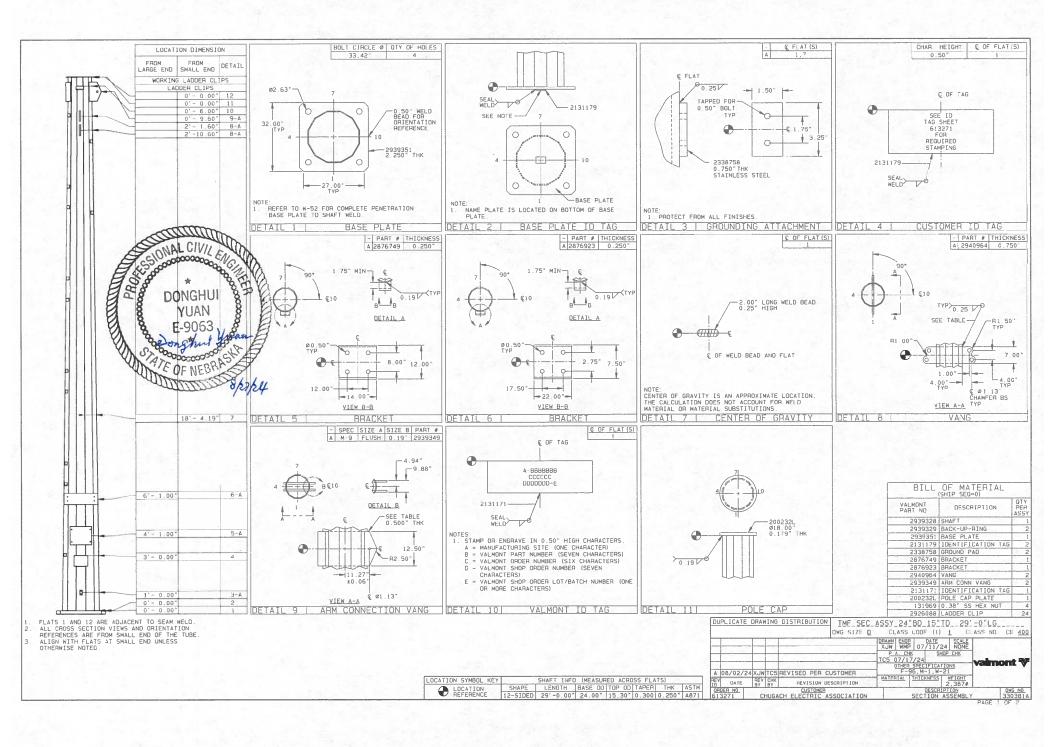
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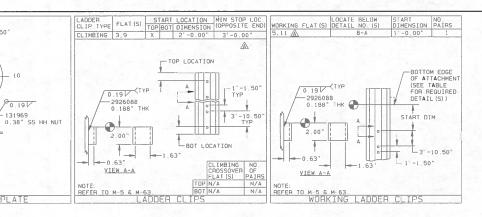
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613271 CHUGACH ELECTRIC ASSOCIATION

DESCRIPTION SECTION ASSEMBLY

PAGE 2 OF 2







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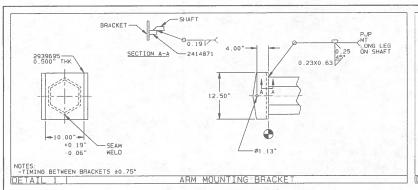
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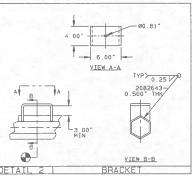
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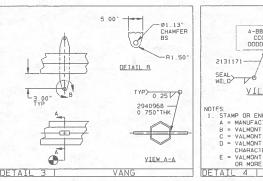


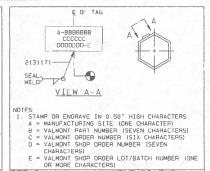
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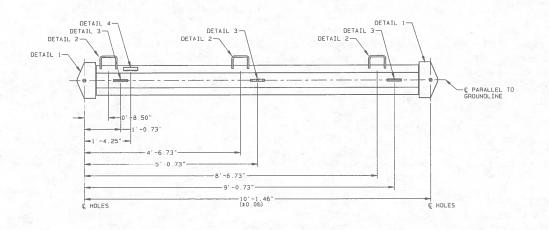
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CHUGACH ELECTRIC ASSOCIATION











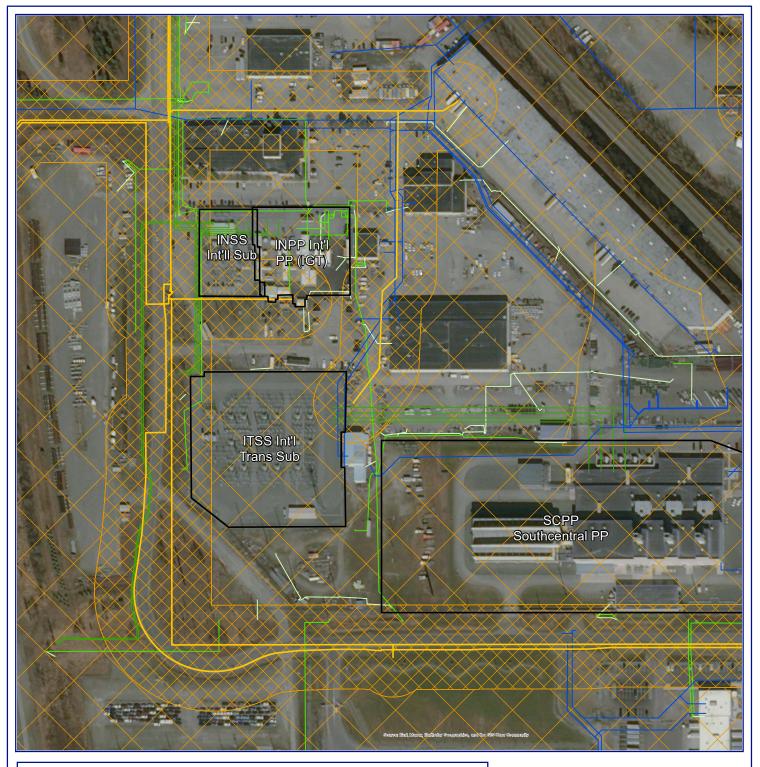


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2939695	ARM MTG BRKT	2	
2414871	BACK-UP-RING	4	
2082643	BRACKET	- 3	
2940968	VANG	3	
2131171	IDENTIFICATION TAG	- 1	

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NOTES

 ALL SECTION VIEWS ARE FROM RIGHT END OF ARM UNLESS OTHERWISE NOTED.





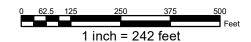
Alaska Waste Water Utility
 Electric Underground Transmission

Enstar Gas Lines Electric Underground Primary Conductor

Enstar Buffer 100ft & 500ft — Electric Underground Secondary Conductor



South Campus Underground Facilities



Chugach Electric Association, Inc. 5601 Electron Drive - P.O. Box 196300 Anchorage, Alaska 99519-6300

