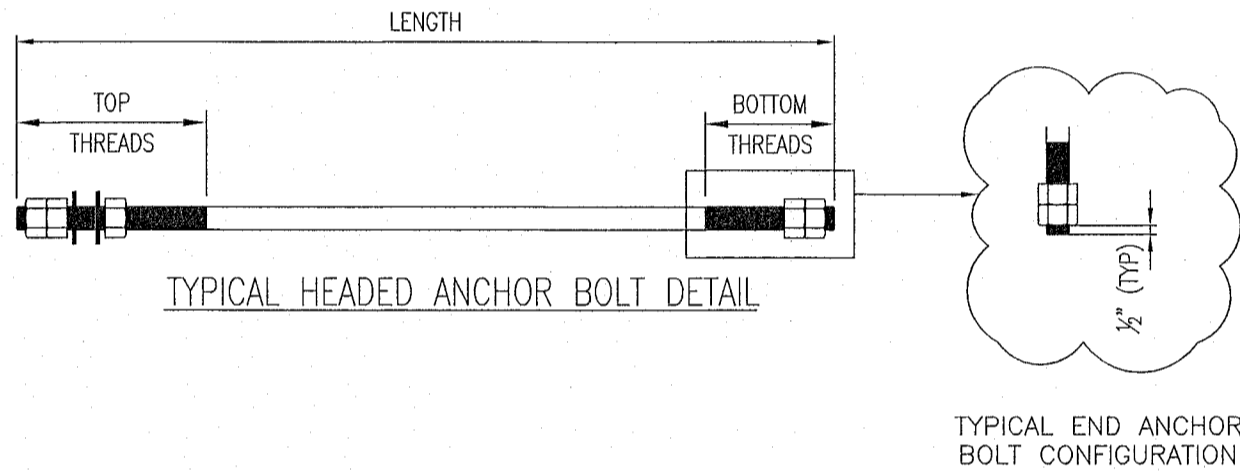
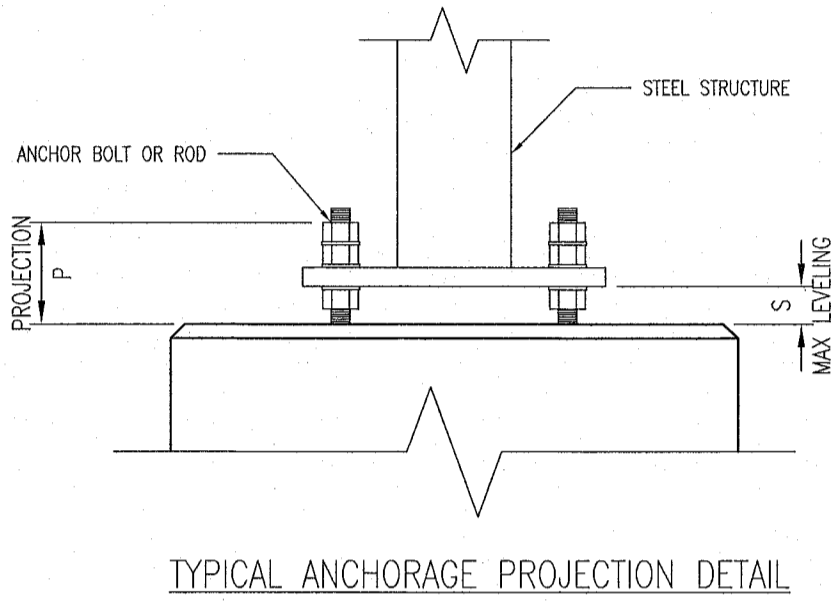
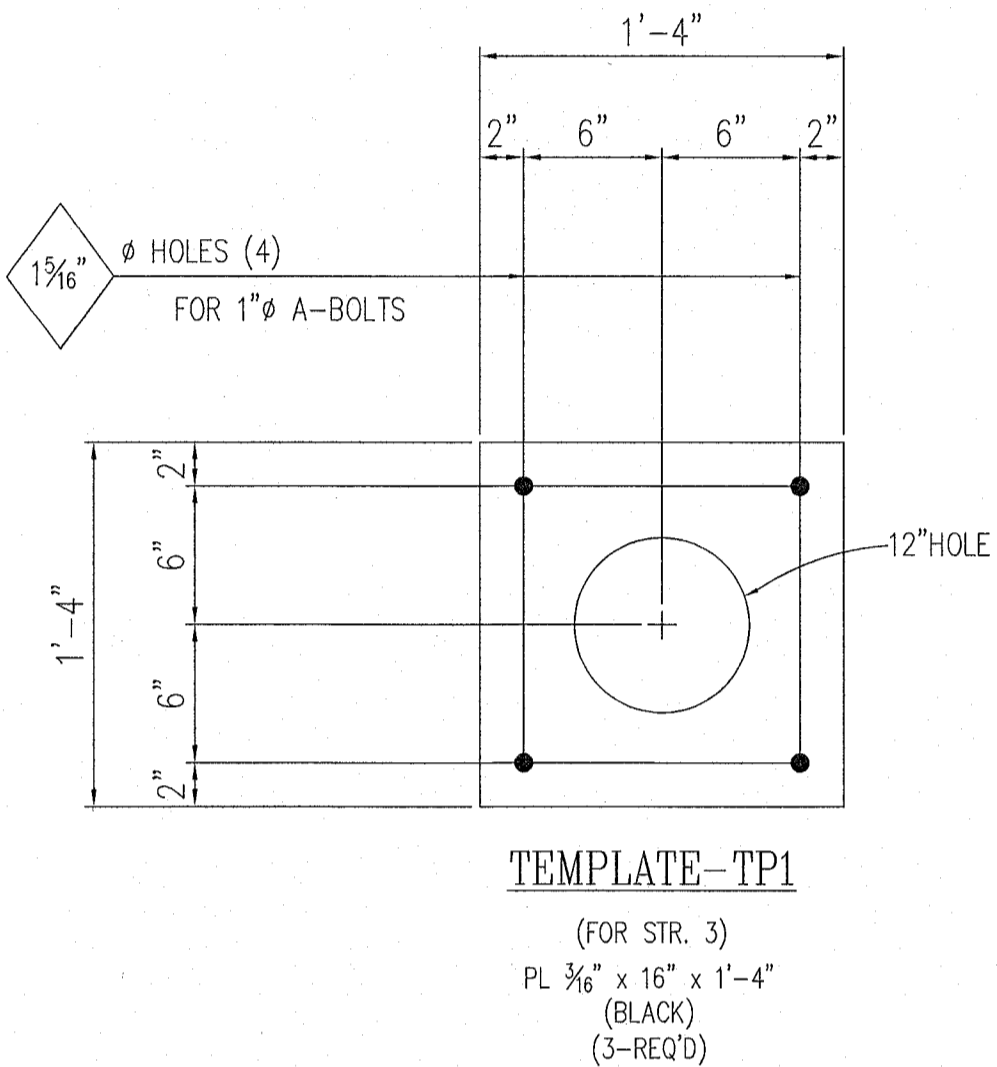


ANCHOR BOLT SETTING SCHEDULE														
FOUNDATION DESIGNATION	QUANTITY	STRUCTURES	FOUNDATIONS PER STRUCTURE	A-BOLTS PER FOUNDATION	TOTAL A-BOLTS	ANCHOR BOLT DIAMETER	ANCHOR BOLT GRADE	LENGTH (L)	WASHERS PER BOLT	NUTS PER BOLT	A-BOLT PROJECTION (P) (INCHES)	MAX LEVELING (S)	THREAD LENGTH (T) (INCHES)	TEMPLATE
3	1		3	4	12	1"	F1554-GR.55	2'-6"	(2)	(5)H. HEX	6	2	7	TP1
TOTAL ANCHOR BOLT QUANTITIES														
12		1" Dia. x 2'-6" F1554-GR.55 A.B. w/ (2) FLATWASHERS & (5)H. HEXS EACH												



NOTES:

1. THE LENGTH OF THE ANCHOR BOLTS SHOULD BE ADEQUATE FOR MOST TYPICAL FOUNDATION APPLICATIONS, HOWEVER, IT IS THE FOUNDATION DESIGNER'S RESPONSIBILITY TO ENSURE THAT THE EMBEDMENT LENGTH OF THE ANCHOR BOLT IS ADEQUATE.

REV.	REVISION DESCRIPTION	MADE BY	CHK'D BY	APP'D BY	DATE	REV.	REVISION DESCRIPTION	MADE BY	CHK'D BY	APP'D BY	DATE
0	ISSUED FOR CONSTRUCTION	BWG	JULC	JULC	1/28/2028						

GENERAL NOTES:
1. REFERENCE CONSTRUCTION MANUAL FOR MATERIALS AND BOLTING PRACTICES.
2. SEE S1 SHEET FOR ADDITIONAL CONSTRUCTION.
3. BACK CHARGES FOR CORRECTIVE WORK OR REPLACED MATERIALS WILL NOT BE ACCEPTED UNLESS EXPRESSLY AUTHORIZED BY DIS-TRAN BEFORE ANY SUCH COSTS ARE INCURRED.

THIS DRAWING OR BILL OF MATERIAL IS CONFIDENTIAL AND MAY NOT BE LOANED, REPRODUCED OR COPIED, EITHER WHOLLY OR IN PART, OR MADE PUBLIC IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF DIS-TRAN PACKAGED SUBSTATIONS, LLC. (ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.)

REGISTERED PROFESSIONAL ENGINEER STAMP

I hereby certify that these documents were prepared or approved by me, Jacob De La Cruz, and I am a duly licensed professional engineer under the laws of the state of Florida, License No. 99421.

DIS-TRAN Packaged Substations, LLC

Florida Registry#: 27071

DIS-TRAN

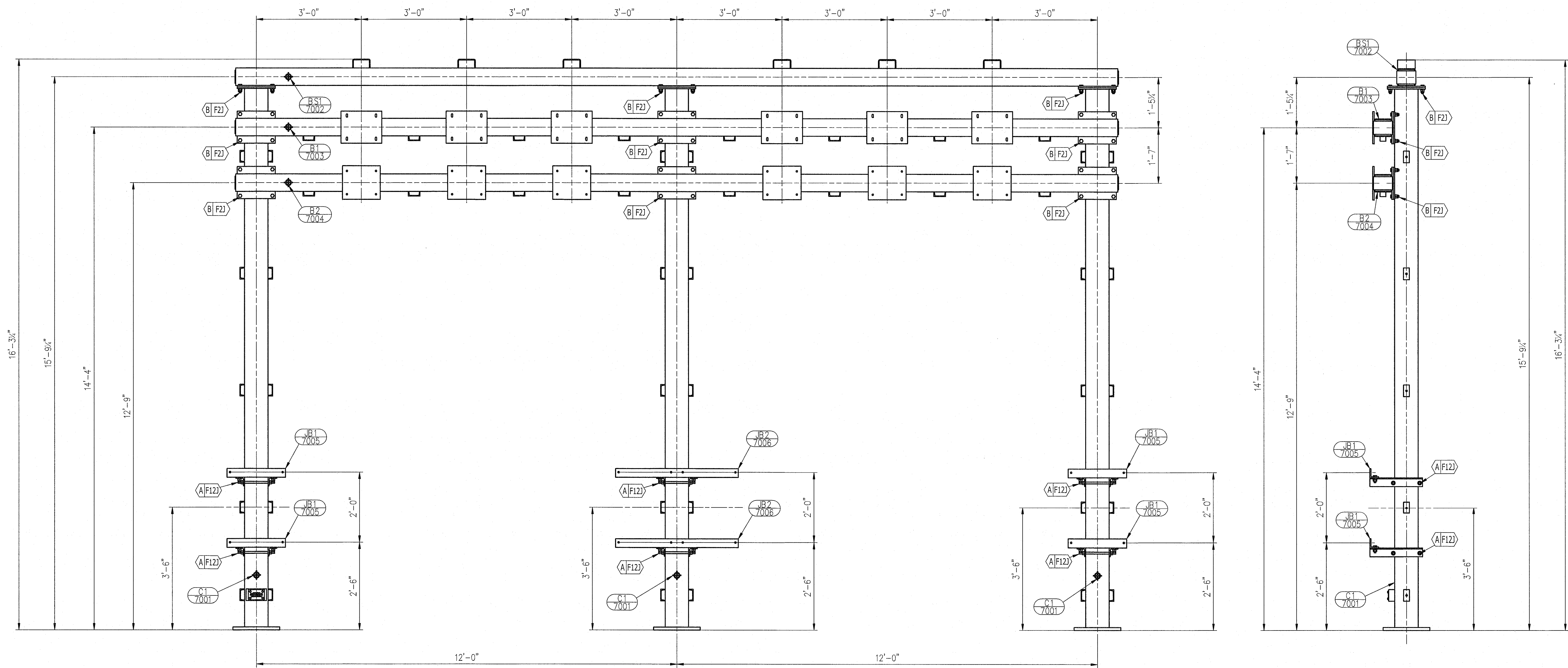
PACKAGED SUBSTATIONS

4725 Highway 28 East
Pineville, LA 71360
318.448.0274
substations@dis-tran.com
dis-tran.com

26KV FOREST TRAILS SUBSTATION
JEA
JEA
JACKSONVILLE, FL 32202

ANCHOR BOLT SCHEDULE AND DETAILS

SCALE	JOB NUMBER	DRAWING NO.	SHEET NO.	REV. NO.
NOT TO SCALE (UNLESS NOTED)	11932	5001	1 OF 1	0



26KV 3Ø BUS AND METERING SUPPORT STAND

(STR.-3)(1-REQ'D.)

(BLK. WT. FOR ONE STR. 3 = 3839 LBS.)

TOTAL FIELD BOLTS REQ'D. FOR ONE STR. - 3					
BWT	TYPE	MARK	QTY.	DESCRIPTION	SIZE
13.051	A	F12J	12	A193 GRADE B7 (ALL THREAD)	5/8Ø - 11 UNC - 12 1/2
11.875	B	F2J	36	A325 TYPE 1 (HEX BOLT)	5/8Ø - 11 UNC - 2 1/2
8.059			60	A563 GRADE DH (HEAVY HEX NUT)	5/8Ø - 11 UNC
2.958			60	F436 TYPE 1 (FLAT WASHER)	5/8Ø
2.206			36	M.F. LOCKNUT	5/8Ø - 11 UNC
38.150					

NOTICE TO ERECTOR

1. REFERENCE CUSTOMER DRAWINGS FOR PROPER STRUCTURE ORIENTATION.

2. BACK CHARGES FOR CORRECTIVE WORK OR REPLACED MATERIALS WILL NOT BE ACCEPTED UNLESS EXPRESSLY AUTHORIZED BY DIS-TRAN BEFORE ANY SUCH COSTS ARE INCURRED.

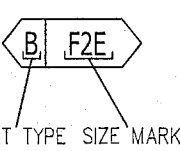
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3						7					
2						6					
1						5					
0	ISSUED FOR CONSTRUCTION	BC	BAB	EAP	J	4					
					1/20/2016						

ASSEMBLY NOTES:

1. ALL HARDWARE AND FASTENERS TO BE GALVANIZED UNLESS NOTED.

2. Φ - INDICATES ORIENTATION MARK

BOLT CALL-OUT:

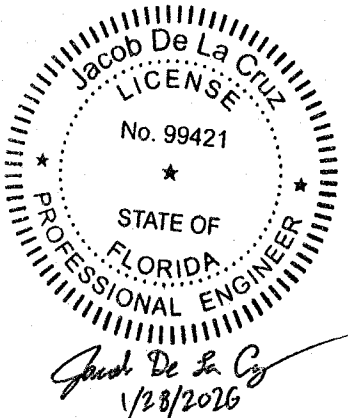


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DIS-TRAN Packaged Substations, LLC

Florida Registry#: 27071



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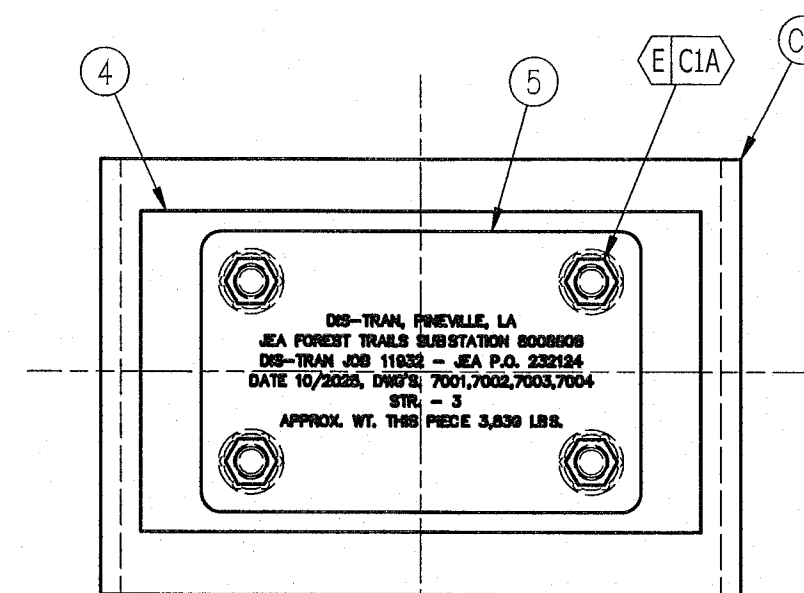
4725 Highway 28 East
Pineville, LA 71360
318.448.0274
substations@dis-tran.com
dis-transubstations.com

26KV FOREST TRAILS SUBSTATION

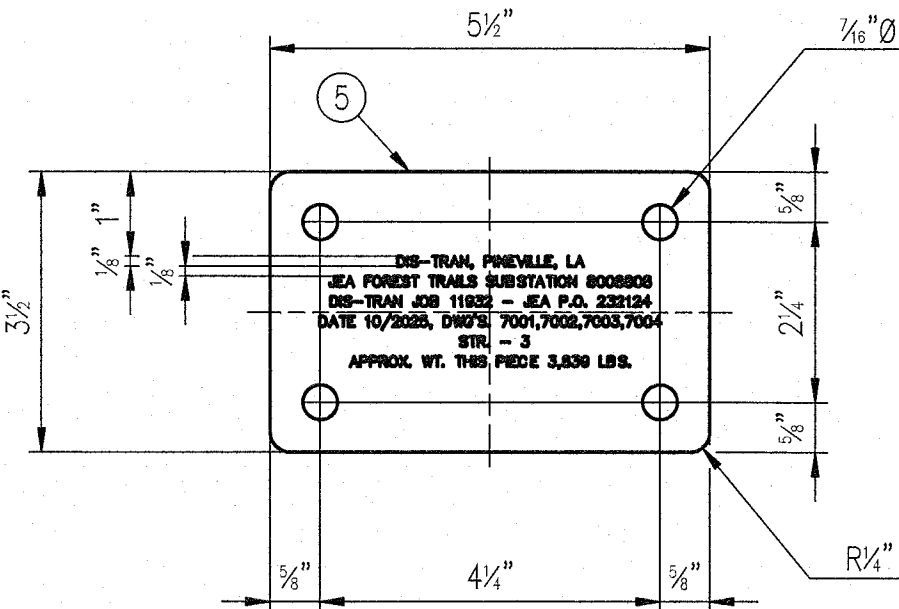
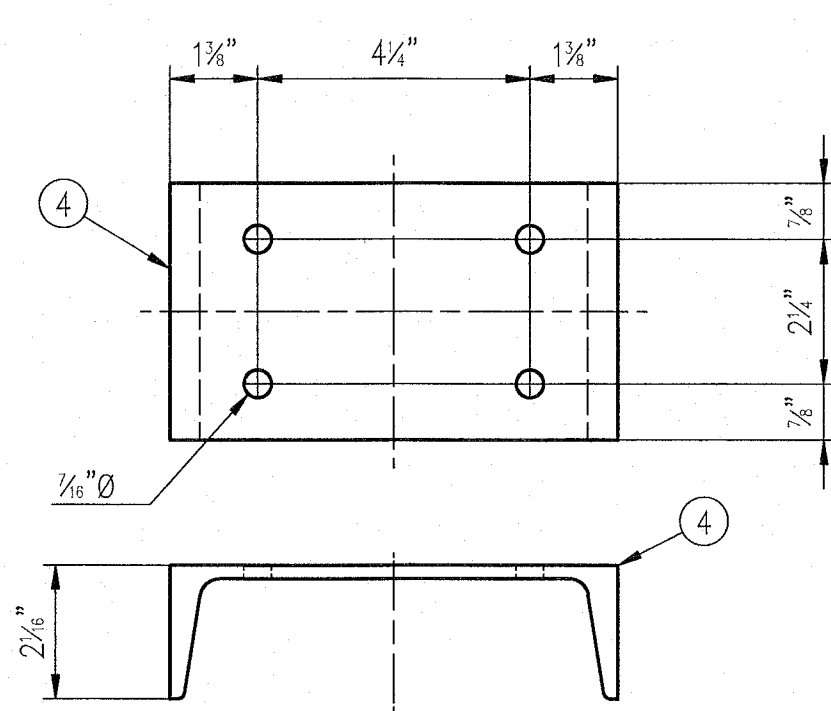
JEA
JEA
Jacksonville, FL

ERECTION ELEVATIONS

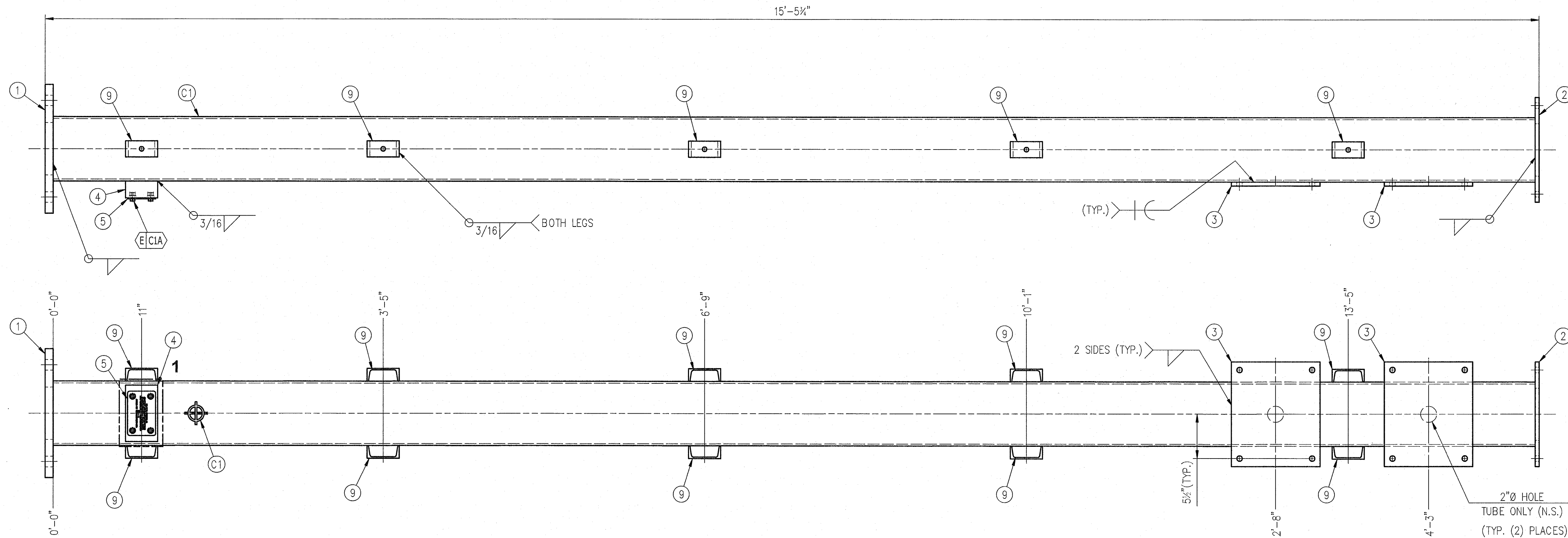
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NOT TO SCALE (UNLESS NOTED)	11932	6001	1 OF 1	0



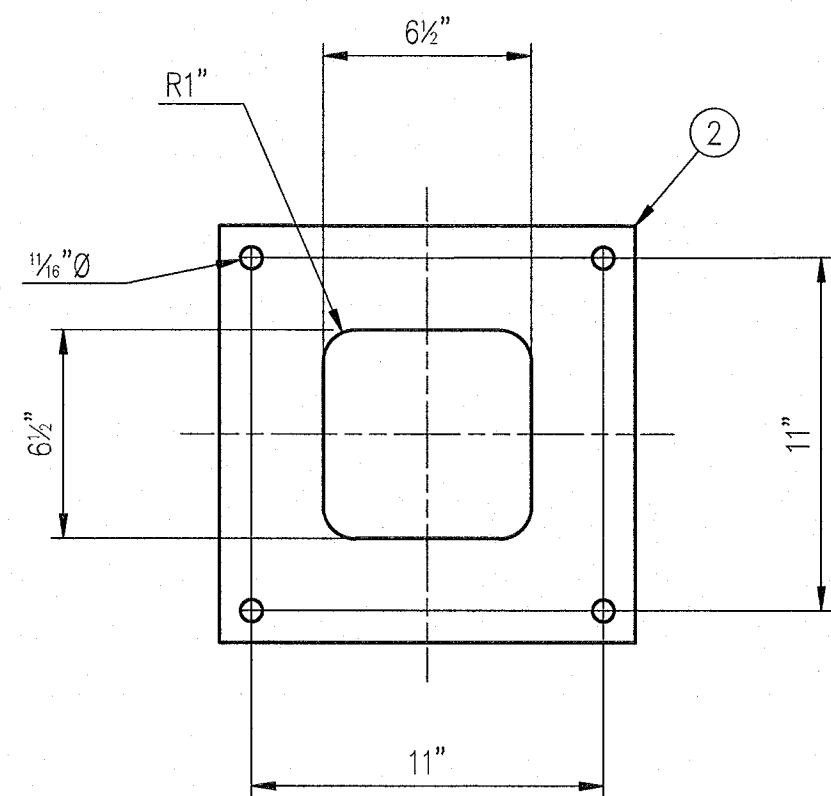
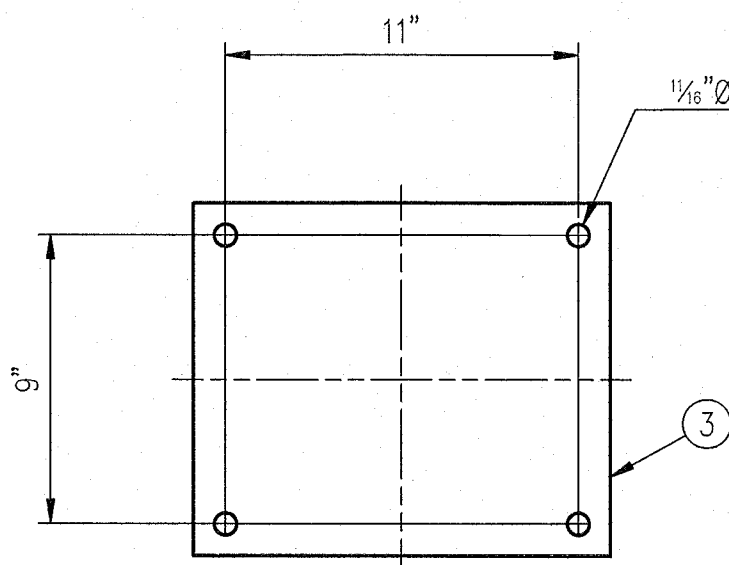
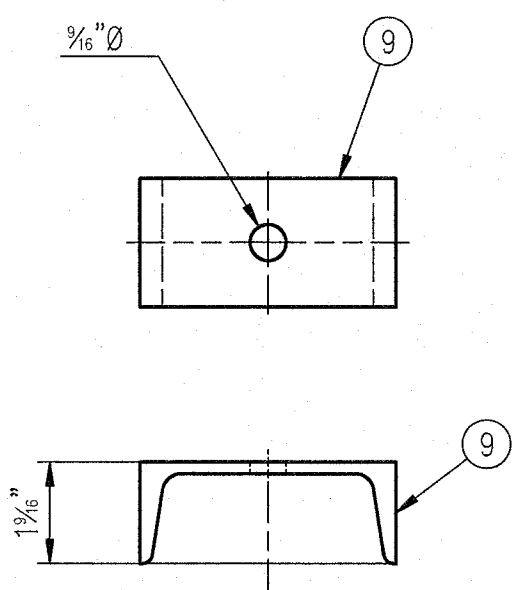
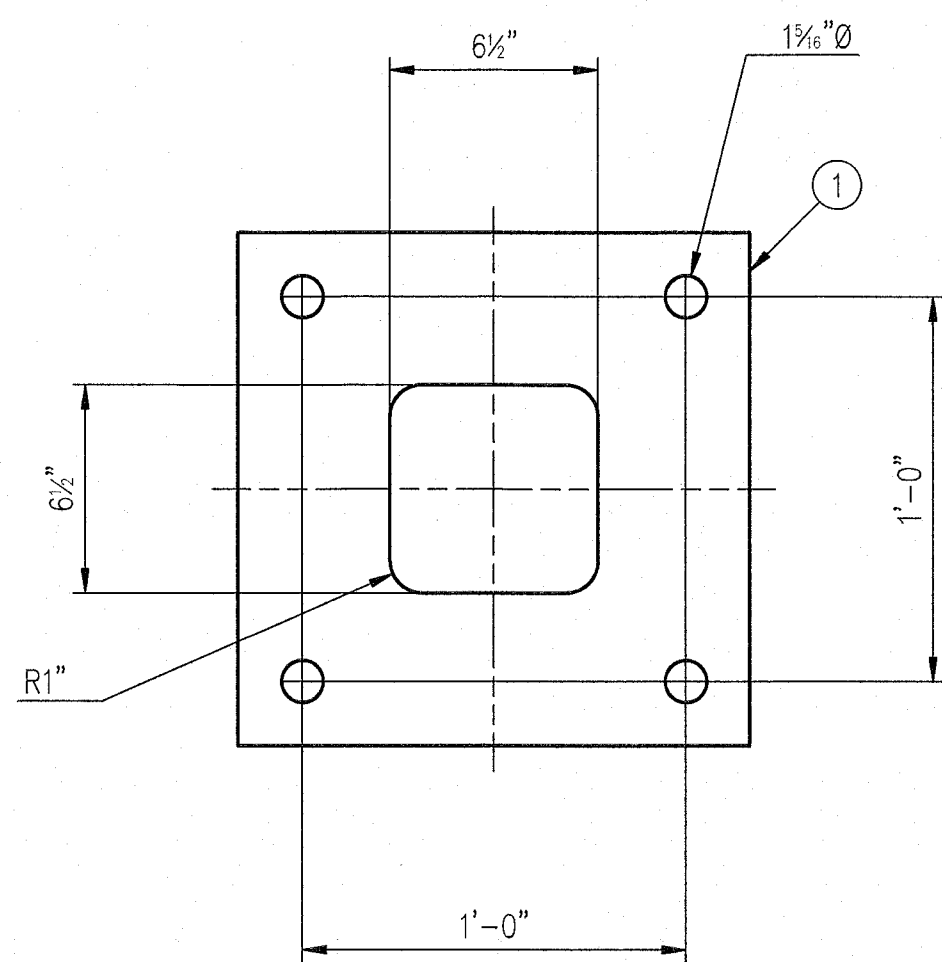
DETAIL - 1



C1 [BOLTED ASSEMBLY] (BUILD 3X)					
BWT	MARK	QTY.	DESCRIPTION	FT. - INS.	REMARKS
396.6	C1	1	HSS 8x8x1/4	15'-4 1/4"	
72.6	1	1	PL 1x16	1'-4"	
24.0	2	1	PL 1/2x13	1'-1"	
40.6	3	2	PL 1/2x11	1'-1"	
3.2	4	1	C 7x9.8	0'-4"	
.7	5	1	PL 1/8x3 1/2	0'-5 1/2"	(STAINLESS STEEL)
8.8	9	10	C 4x5.4	0'-2"	
546.4					
C1 BOLT LIST (FOR ONE C1)					
BWT	TYPE	MARK	QTY.	DESCRIPTION	PART NUMBER
.209	E	C1A	4	A307 GRADE A (HEX BOLT)	3/80 - 16 UNC - 1
.142			4	A563 GRADE DH (HEX NUT)	3/80 - 16 UNC
.035			4	F436 TYPE 1 (FLAT WASHER)	3/80
.387					



C1



- ☒ SHIP ASSEMBLED
☐ SHIP KNOCKED DOWN
☐ SHIP TWO FACES ASSEMBLED

FABRICATION NOTES:
1. CHANNELS, PLATES, & ANGLES TO BE ASTM A36 UNLESS NOTED OTHERWISE.
2. HSS TO BE ASTM A500 GRADE B.
3. WIDE FLANGE TO BE ASTM A992.
4. PIPE TO BE ASTM A53 GRADE B.
5. ALL WELDING TO BE PER AWS D1.1 AND USE GRADE 70 ELECTRODES.
6. ALL STEEL TO BE HOT DIP GALV. AFTER FAB PER ASTM-A123.
7. PIECE MARKS NOT LESS THAN 3/8" HIGH CHARACTERS BEFORE GALV.

FABRICATION NOTES (CONT.):
8. ALL HARDWARE AND FASTENERS TO BE GALVANIZED UNLESS NOTED.
9. ALL MEMBERS CUT SQUARE UNLESS NOTED.
10. ALL PIECES CENTERED UNLESS NOTED.
11. ALL FILET WELDS 1/4" UNLESS NOTED.
12. Φ - INDICATES A PHYSICAL MARK REQ'D. THAT IS VISIBLE AFTER GALV. LOCATED 6"-24" FROM INDICATED END OF PIECE.
13. COMPLETED ASSEMBLY SHALL BE MARKED WITH ASSEMBLY DESIGNATION & 7001

REGISTERED PROFESSIONAL ENGINEER STAMP

I hereby certify that these documents were prepared or approved by me, **Jacob De La Cruz** and I am a duly licensed professional engineer under the laws of the state of Florida, License No. 99421.

DIS-TRAN Packaged Substations, LLC

Florida Registry#: 27071

Jacob De La Cruz
LICENSE
No. 99421
STATE OF FLORIDA
PROFESSIONAL ENGINEER
1/28/2026

DIS-TRAN
PACKAGED SUBSTATIONS

4725 Highway 28 East
Pineville, LA 71360
318.448.0274
substations@dis-tran.com
dis-tran.com

26KV FOREST TRAILS SUBSTATION
JEA
JEA
Jacksonville, FL

26KV 3Ø BUS AND METERING SUPPORT STAND, STR. 3

C1

SCALE: NOT TO SCALE (UNLESS NOTED)

JOB NUMBER: 11932

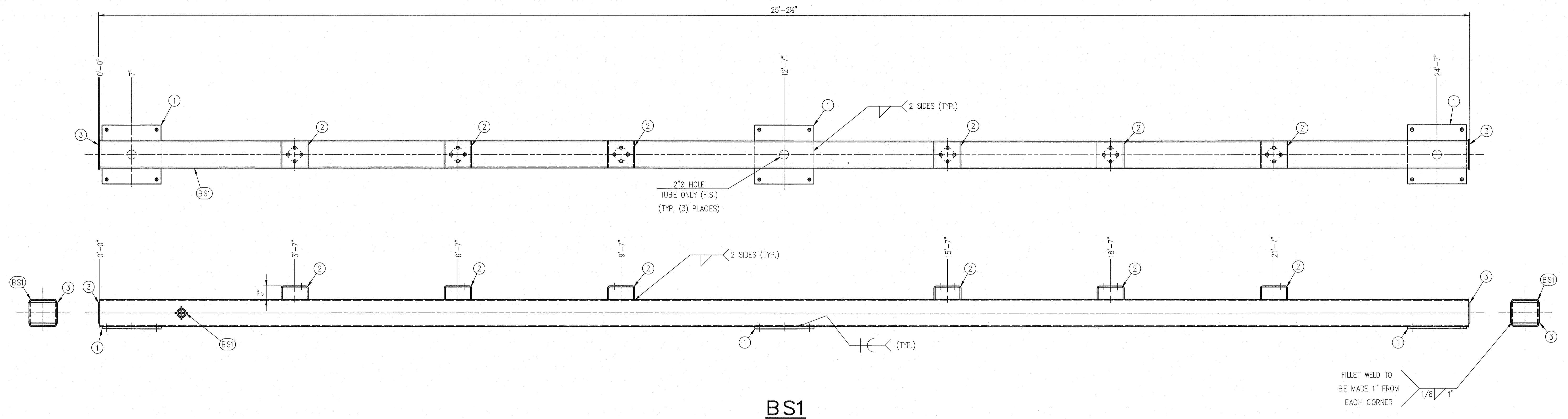
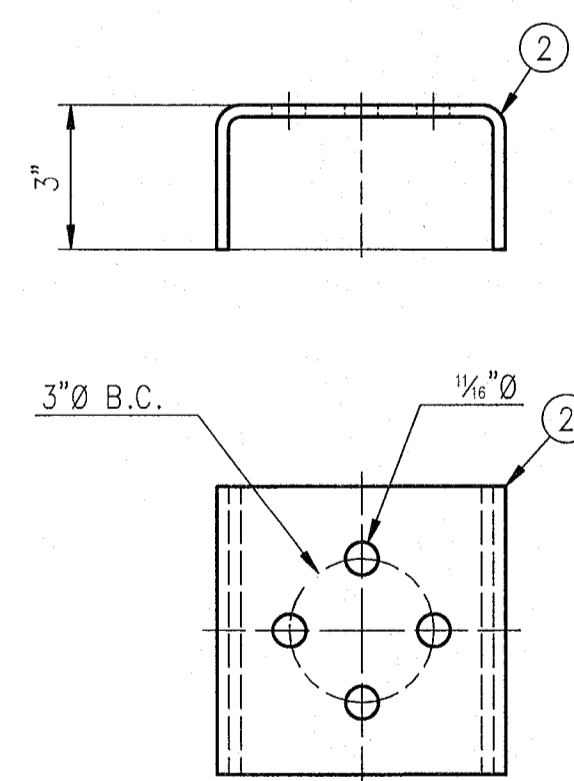
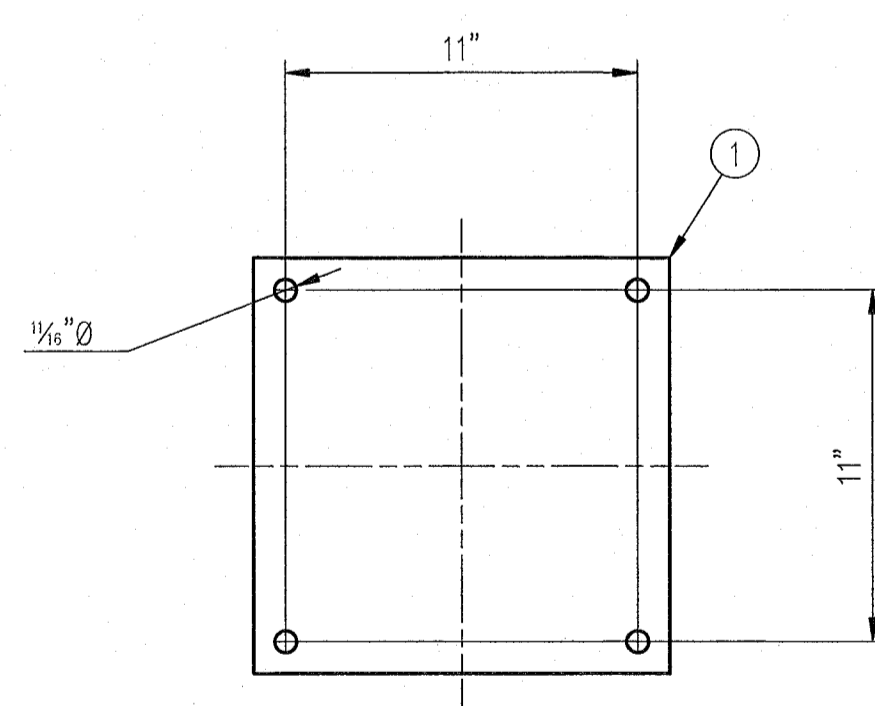
DRAWING NO.: 7001

SHEET NO.: 1 OF 1

REV. NO.: 0

REV.	REVISION DESCRIPTION	MADE BY	CHKD BY	APP'D BY	DATE	REV.	REVISION DESCRIPTION	MADE BY	CHKD BY	APP'D BY	DATE
3						7					
2						6					
1						5					
0	ISSUED FOR CONSTRUCTION	BC	BAB	EJP	JL	4					
					1/20/2024						

BS1 [WELDED ASSEMBLY] (BUILD 1X)					
BWT	MARK	QTY.	DESCRIPTION	FT. - INS.	REMARKS
478.7	BS1	1	HSS 6x6x1/4	25'-2"	
71.9	1	3	PL 1/2x13	1'-1"	
57.1	2	6	HSS 6x6x1/4	0'-6"	(CUT)
4.1	3	2	PL 1/4x4 1/2	0'-6 1/2"	
611.8					

BS1

- ☐ SHIP ASSEMBLED
- ☐ SHIP KNOCKED DOWN
- ☐ SHIP TWO FACES ASSEMBLED

[illegible]

FABRICATION NOTES:

1. CHANNELS, PLATES, & ANGLES TO BE ASTM A36 UNLESS NOTED OTHERWISE.
2. HSS TO BE ASTM A500 GRADE B.
3. WIDE FLANGE TO BE ASTM A992.
4. PIPE TO BE ASTM A53 GRADE B.
5. ALL WELDING TO BE PER AWS D1.1 AND USE GRADE 70 ELECTRODES.
6. ALL STEEL TO BE HOT DIP GALV. AFTER FAB PER ASTM-A123.
7. PIECE MARKS NOT LESS THAN 3/8" HIGH CHARACTERS BEFORE GALV.

SE. FABRICATION NOTES (CONT.):

8. ALL HARDWARE AND FASTENERS TO BE GALVANIZED UNLESS NOTED.
9. ALL MEMBERS CUT SQUARE UNLESS NOTED.
10. ALL PIECES CENTERED UNLESS NOTED.
11. ALL FILLET WELDS 1/4" UNLESS NOTED.
12. Φ - INDICATES A PHYSICAL MARK REQ'D. THAT IS VISIBLE AFTER GALV. LOCATED 6"-24" FROM INDICATED END OF PIECE.
13. COMPLETED ASSEMBLY SHALL BE MARKED WITH ASSEMBLY DESIGNATION & 7002


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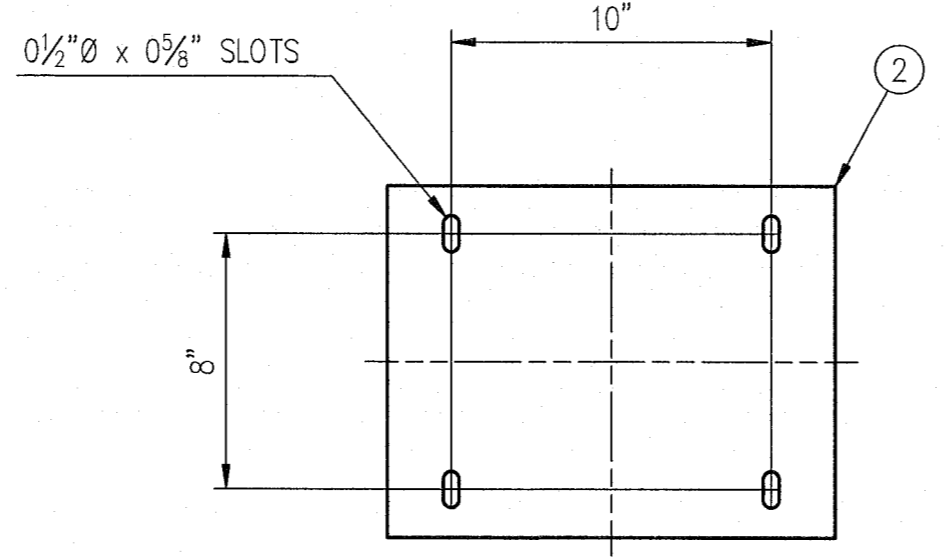
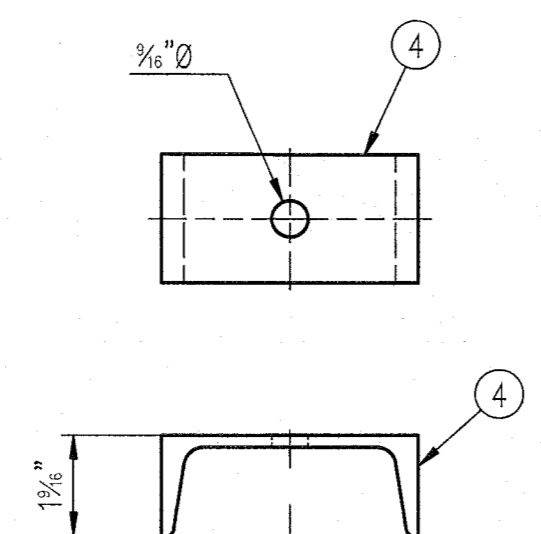
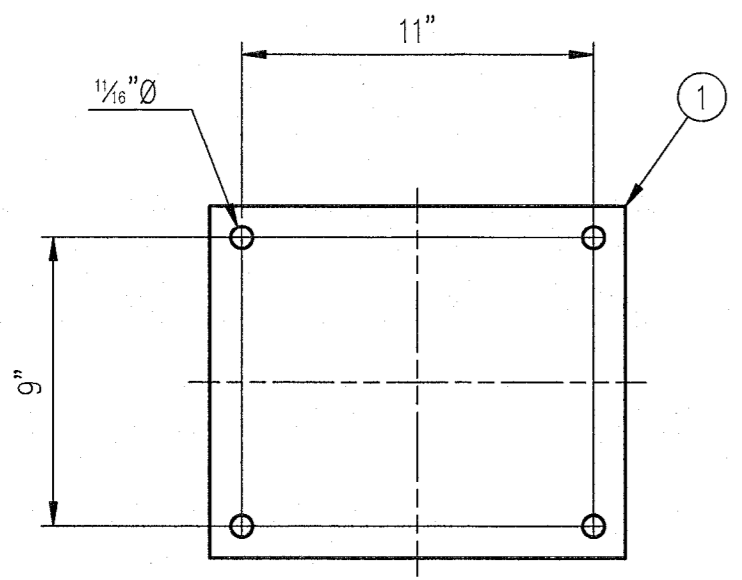
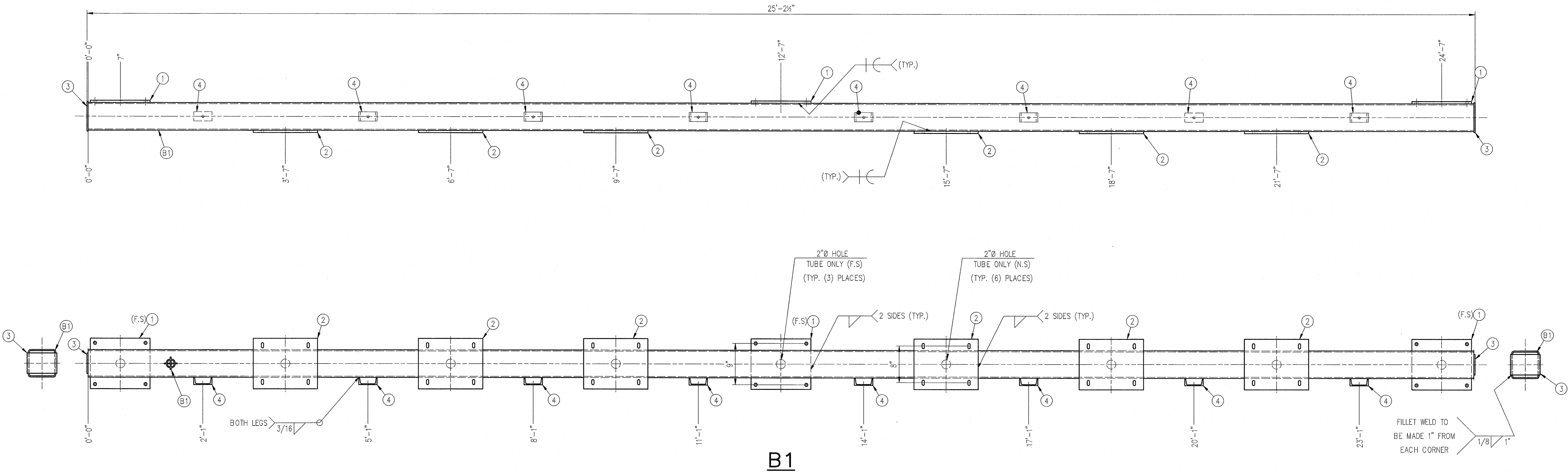
DIS-TRAN Packaged Substitutions, LLC

Florida Registry#: 27071

Josco De La Cruz
1/28/2016

		4725 Highway 28 East Pineville, LA 71360 318.448.0274 substations@disfran.com disfransubstations.com	
PACKAGED SUBSTATIONS			
26KV FOREST TRAILS SUBSTATION JEA JEA Jacksonville, FL			
26KV 3Ø BUS AND METERING SUPPORT STAND , STR. 3			
BS1			
SCALE NOT TO SCALE (UNLESS NOTED)	JOB NUMBER 11932	DRAWING NO. 7002	SHEET NO. 1 OF 1
			REV. NO. 0

B1 [WELDED ASSEMBLY] (BUILD 1X)					
BWT	MARK	QTY.	DESCRIPTION	FT. - INS.	REMARKS
478.7	B1	1	HSS 6x6x1/4	25'-2"	
60.8	1	3	PL 1/2x11	1'-1"	
131.0	2	6	PL 1/2x14	0'-11"	
4.1	3	2	PL 1/4x4 1/2	0'-6 1/2"	
7.0	4	8	C 4x5.4	0'-2"	
681.7					



FABRICATION NOTES:
1. CHANNELS, PLATES, & ANGLES TO BE ASTM A36 UNLESS NOTED OTHERWISE.
2. HSS TO BE ASTM A500 GRADE B.
3. WIDE FLANGE TO BE ASTM A992.
4. PIPE TO BE ASTM A53 GRADE B.
5. ALL WELDING TO BE PER AWS D1.1 AND USE GRADE 70 ELECTRODES.
6. ALL STEEL TO BE HOT DIP GALV. AFTER FAB PER ASTM-A123.
7. PIECE MARKS NOT LESS THAN 3/8" HIGH CHARACTERS BEFORE GALV.

FABRICATION NOTES (CON'T):
8. ALL HARDWARE AND FASTENERS TO BE GALVANIZED UNLESS NOTED.
9. ALL MEMBERS CUT SQUARE UNLESS NOTED.
10. ALL PIECES CENTERED UNLESS NOTED.
11. ALL FILLET WELDS 1/4" UNLESS NOTED.
12. Ø - INDICATES A PHYSICAL MARK REQ'D. THAT IS VISIBLE AFTER GALV. LOCATED 6"-24" FROM INDICATED END OF PIECE.
13. COMPLETED ASSEMBLY SHALL BE MARKED WITH ASSEMBLY DESIGNATION & 7003

- ☐ SHIP ASSEMBLED
- ☐ SHIP KNOCKED DOWN
- ☐ SHIP TWO FACES ASSEMBLED

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DIS-TRAN Packaged Substations, LLC

Florida Registry#: 27071

STATE OF FLORIDA

PROFESSIONAL ENGINEER

No. 99421

Jacob De La Cruz

1/23/2026

4725 Highway 28 East
Pineville, LA 71360

318.448.0274
substations@dis-TRAN.com

DIS-TRAN

PACKAGED SUBSTATIONS

26KV FOREST TRAILS SUBSTATION

JE A

JE A

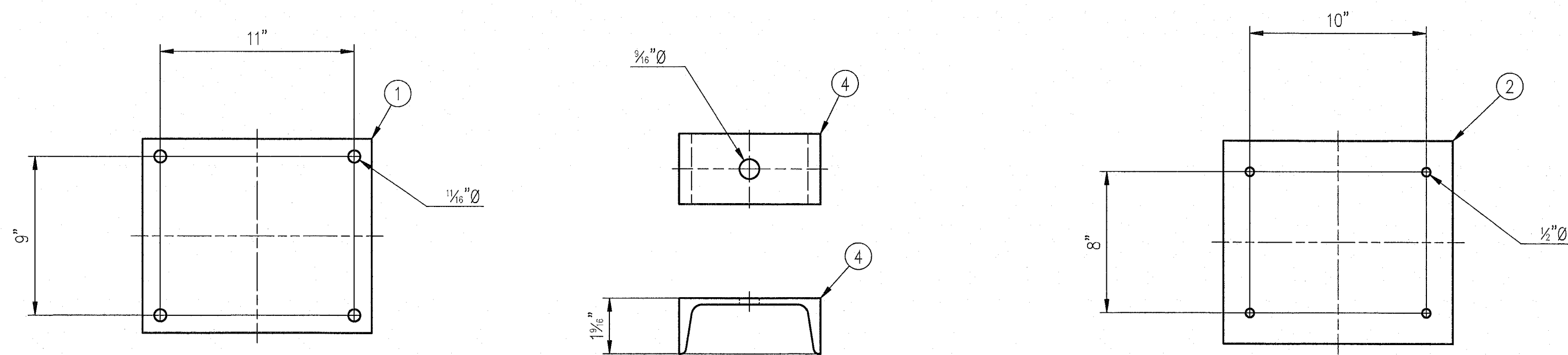
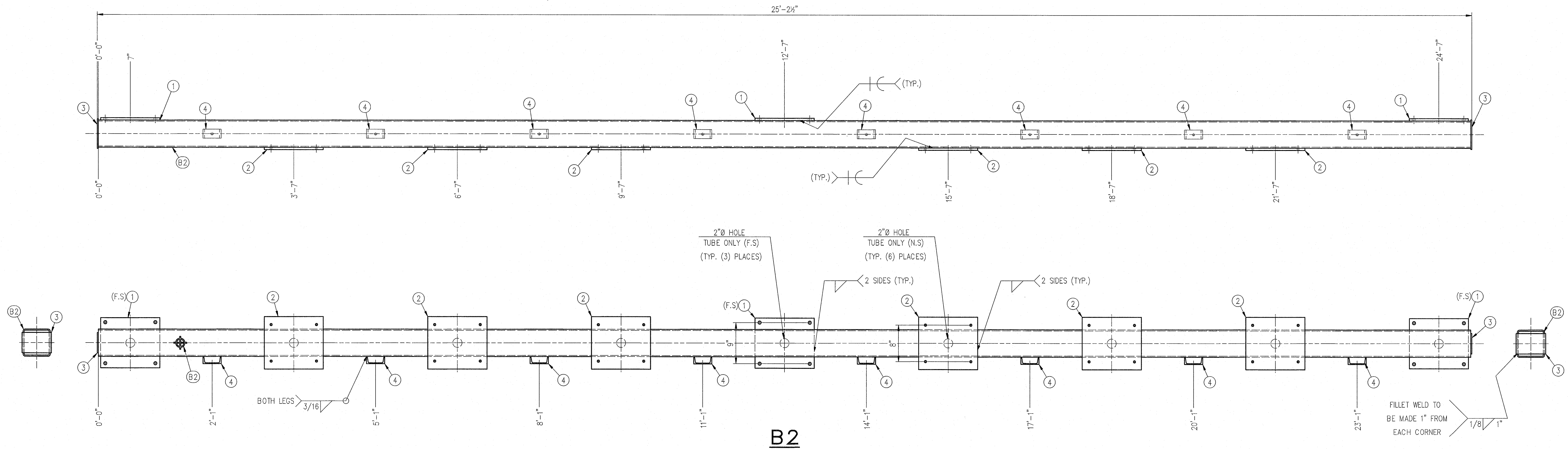
Jacksonville, FL

26KV 3Ø BUS AND METERING SUPPORT STAND , STR. 3

B1

SCALE	SHEET NO.	REV. NO.
NOT TO SCALE (UNLESS NOTED)	11932	7003
	1 OF 1	0

B2 [WELDED ASSEMBLY] (BUILD 1X)					
BWT	MARK	QTY.	DESCRIPTION	FT. - INS.	REMARKS
478.7	B2	1	HSS 6x6x1/4	25'-2"	
60.8	1	3	PL 1/2x11	1'-1"	
127.2	2	6	PL 1/2x11 1/2	1'-1"	
4.1	3	2	PL 1/4x4 1/2	0'-6 1/2"	
7.0	4	8	C 4x5.4	0'-2"	
677.9					



- ☐ SHIP ASSEMBLED
☐ SHIP KNOCKED DOWN
☐ SHIP TWO FACES ASSEMBLED

REV.	REVISION DESCRIPTION	MADE BY	CHK'D BY	APPRO'D BY	DATE	REV.	REVISION DESCRIPTION	MADE BY	CHK'D BY	APPRO'D BY	DATE
3						7					
2						6					
1						5					
0	ISSUED FOR CONSTRUCTION	BC	BAB	EJP	JL 1/20/2023	4					

FABRICATION NOTES:
1. CHANNELS, PLATES, & ANGLES TO BE ASTM A36 UNLESS NOTED OTHERWISE.
2. HSS TO BE ASTM A500 GRADE B.
3. WIDE FLANGE TO BE ASTM A992.
4. PIPE TO BE ASTM A53 GRADE B.
5. ALL WELDING TO BE PER AWS D1.1 AND USE GRADE 70 ELECTRODES.
6. ALL STEEL TO BE HOT DIP GALV. AFTER FAB PER ASTM-A123.
7. PIECE MARKS NOT LESS THAN 3/8" HIGH CHARACTERS BEFORE GALV.

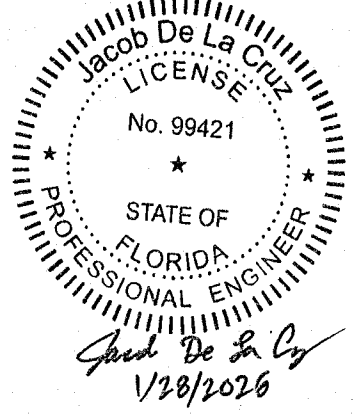
FABRICATION NOTES (CONT.):
8. ALL HARDWARE AND FASTENERS TO BE GALVANIZED UNLESS NOTED.
9. ALL MEMBERS CUT SQUARE UNLESS NOTED.
10. ALL PIECES CENTERED UNLESS NOTED.
11. ALL FILLET WELDS 1/4" UNLESS NOTED.
12. Φ - INDICATES A PHYSICAL MARK REQ'D. THAT IS VISIBLE AFTER GALV. LOCATED 6"-24" FROM INDICATED END OF PIECE.
13. COMPLETED ASSEMBLY SHALL BE MARKED WITH ASSEMBLY DESIGNATION & 7004.

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Florida Registry#: 27071



DIS-TRAN
PACKAGED SUBSTATIONS

4725 Highway 28 East
Pineville, LA 71360
318.448.0274
substations@dis-tran.com
dis-tran.com

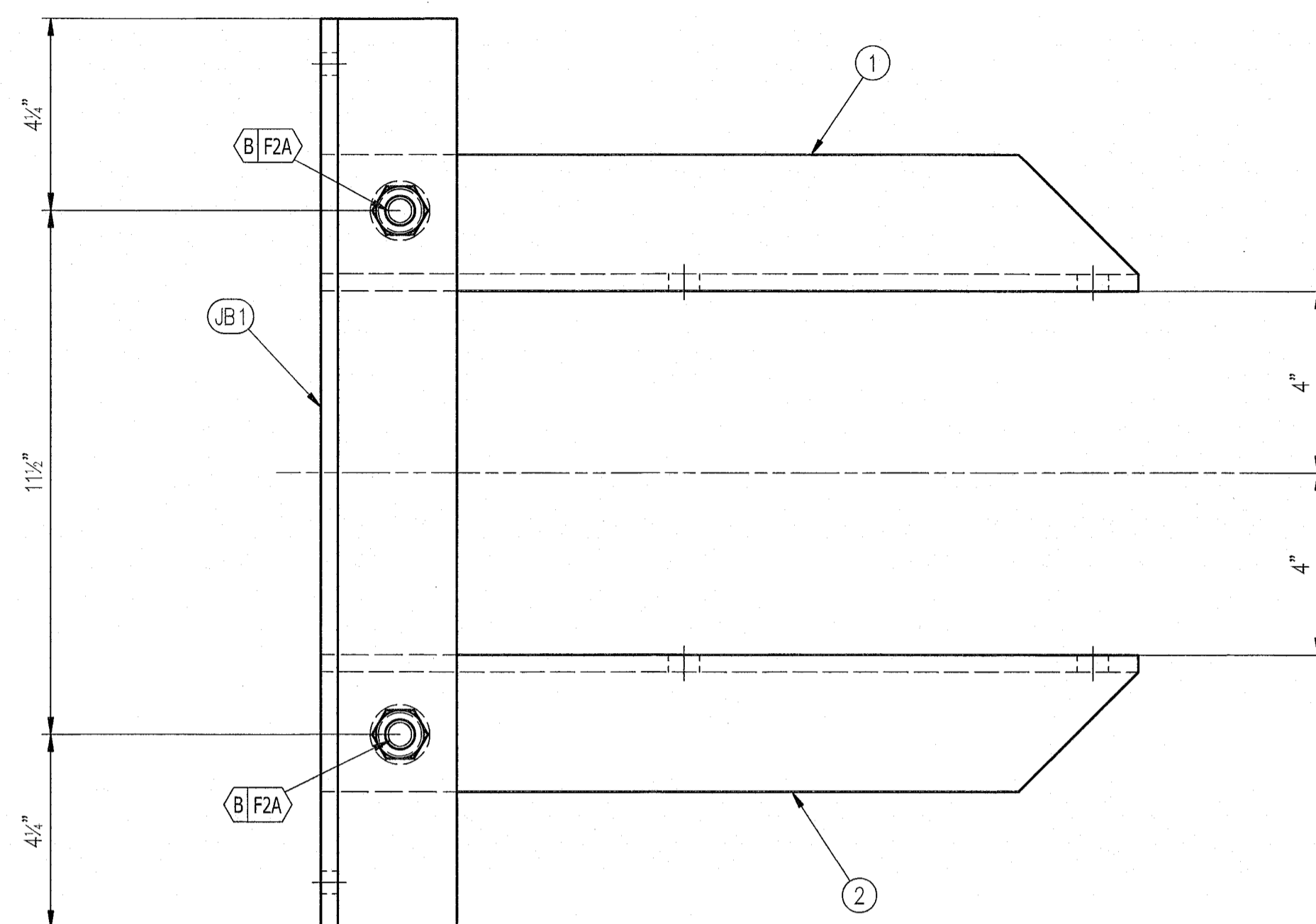
26KV FOREST TRAILS SUBSTATION
JEA
JEA
Jacksonville, FL

26KV 3Ø BUS AND METERING SUPPORT STAND , STR. 3

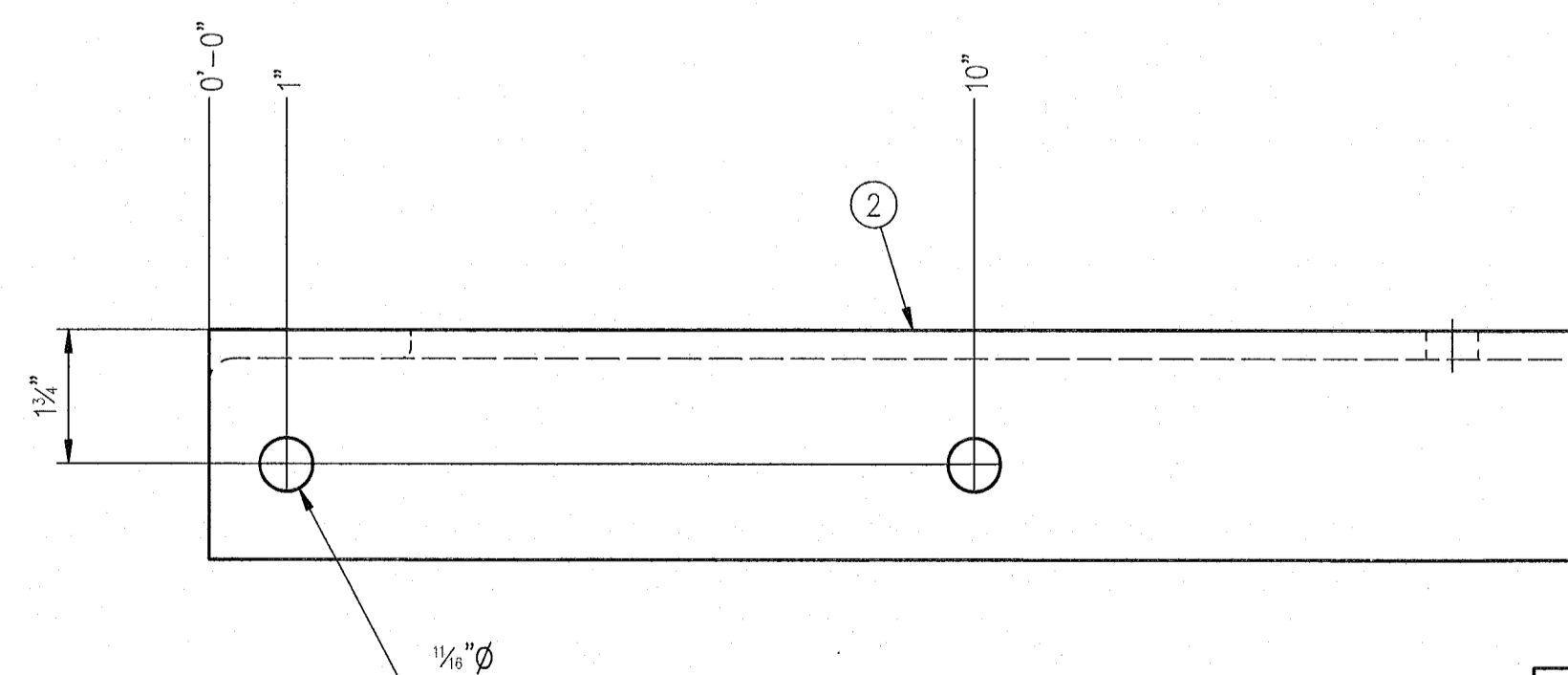
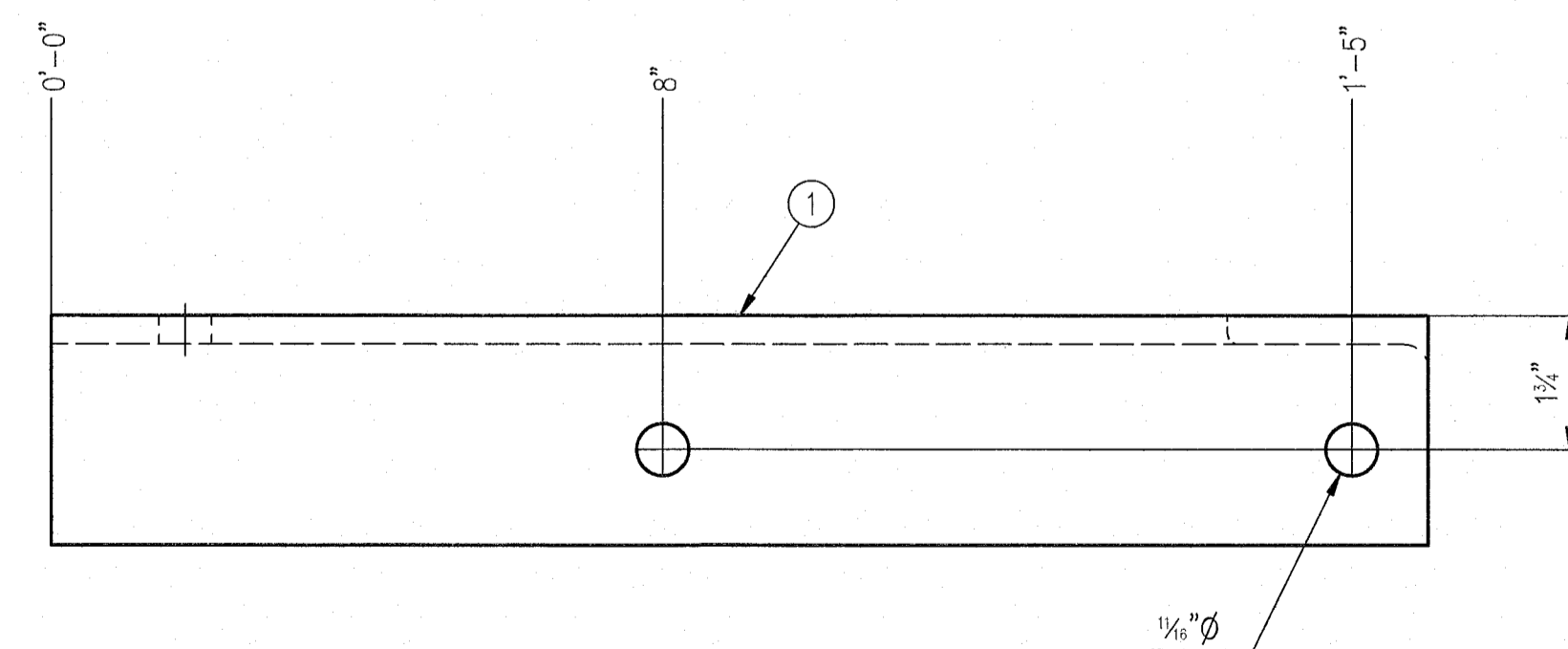
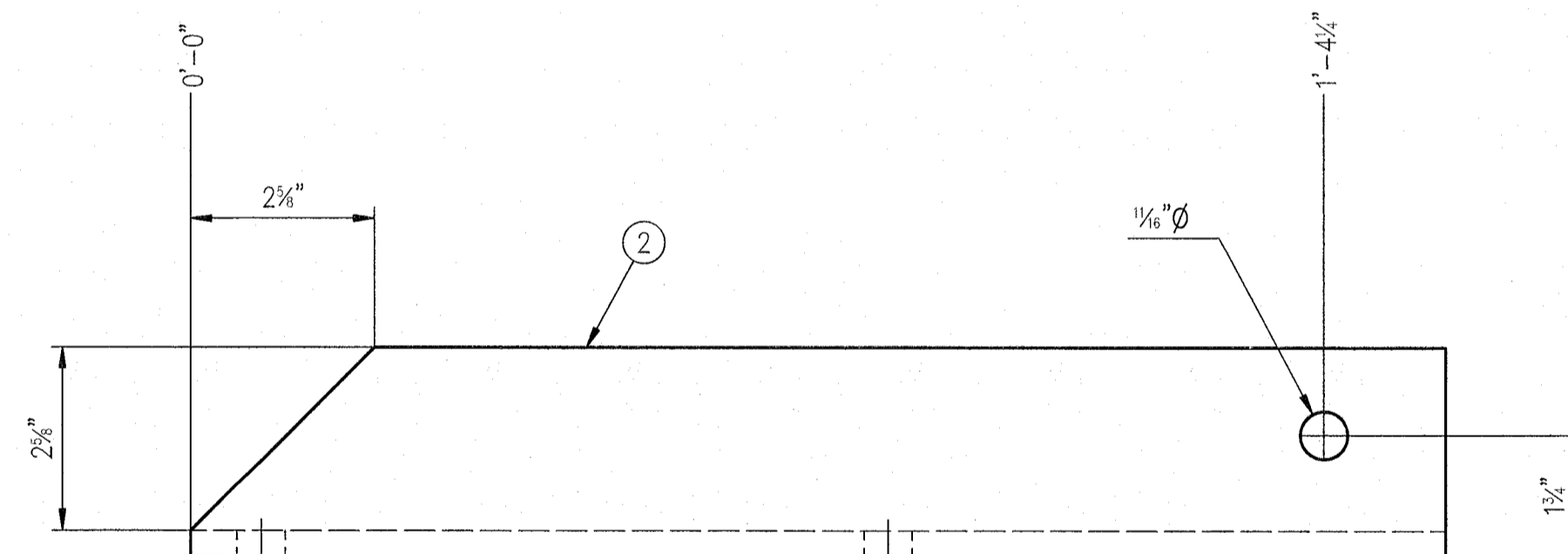
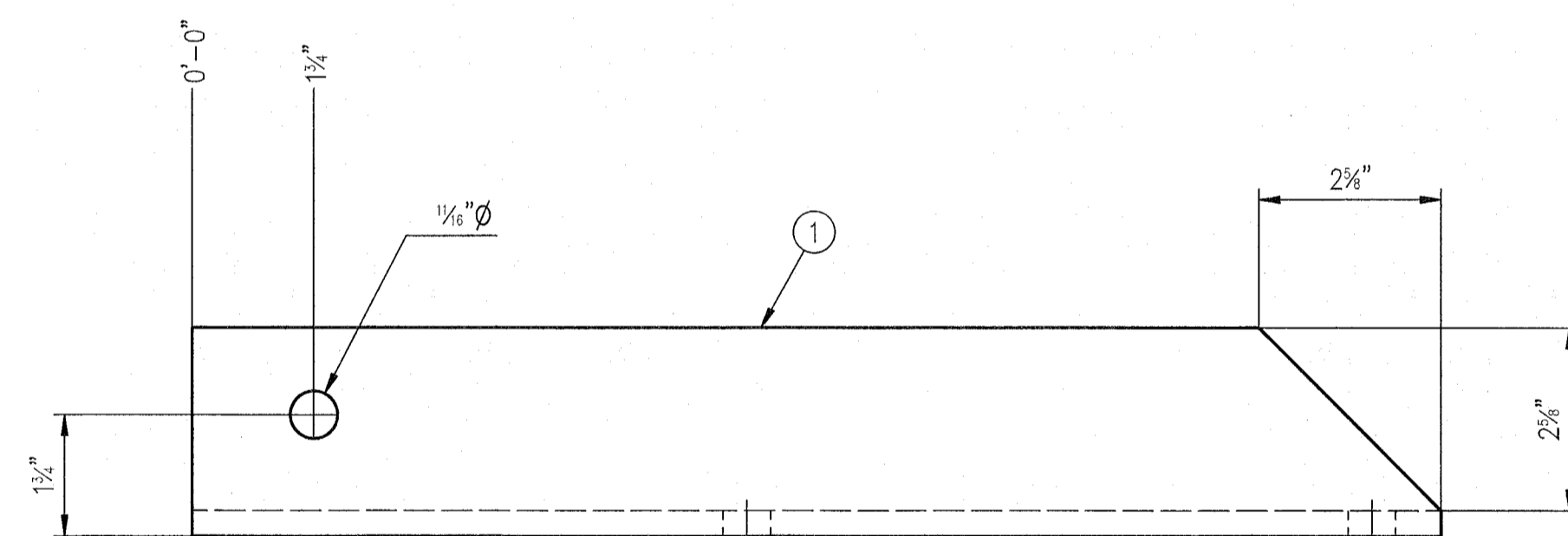
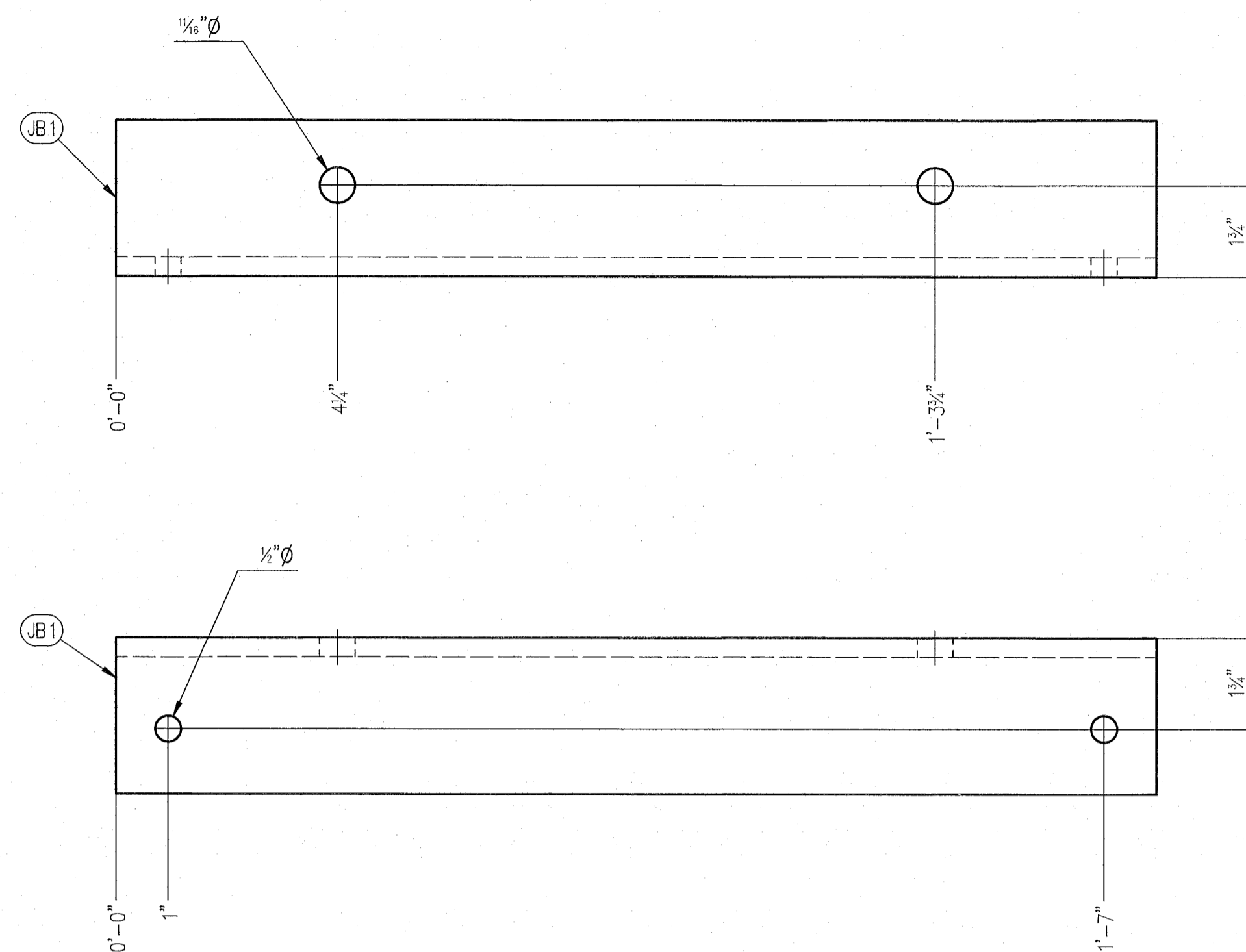
B2

SCALE	JOB NUMBER	DRAWING NO.	SHEET NO.	REV. NO.
NOT TO SCALE (UNLESS NOTED)	11932	7004	1 OF 1	0

JB1 [BOLTED ASSEMBLY] (BUILD 4X)						
BWT	MARK	QTY.	DESCRIPTION	FT. - INS.	REMARKS	
12.0	JB1	1	L 3x3x3/8	1'-8"		
10.8	1	1	L 3x3x3/8	1'-6"		
10.8	2	1	L 3x3x3/8	1'-6"		
33.7						
JB1 BOLT LIST (FOR ONE JB1)						
BWT	TYPE	MARK	QTY.	DESCRIPTION	PART NUMBER	
.568	B	F2A	2	A325 TYPE 1 (HEX BOLT)	5/8Ø - 11 UNC - 2	
.269			2	A194 GRADE 2H (ANCO NUT)	5/8Ø - 11 UNC	
.099			2	F436 TYPE 1 (FLAT WASHER)	5/8Ø	
.935						



JB 1



- ☒ SHIP ASSEMBLED
☐ SHIP KNOCKED DOWN
☐ SHIP TWO FACES ASSEMBLED

[illegible]

FABRICATION NOTES:

1. CHANNELS, PLATES, & ANGLES TO BE ASTM A36 UNLESS NOTED OTHERWISE
2. HSS TO BE ASTM A500 GRADE B.
3. WIDE FLANGE TO BE ASTM A992.
4. PIPE TO BE ASTM A53 GRADE B.
5. ALL WELDING TO BE PER AWS D1.1 AND USE GRADE 70 ELECTRODES.
6. ALL STEEL TO BE HOT DIP GALV. AFTER FAB PER ASTM-A123.
7. PIECE MARKS NOT LESS THAN 3/8" HIGH CHARACTERS BEFORE GALV.

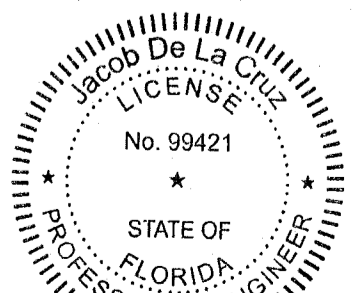
FABRICATION NOTES (CONT.):

8. ALL HARDWARE AND FASTENERS TO BE GALVANIZED UNLESS NOTED.
9. ALL MEMBERS CUT SQUARE UNLESS NOTED.
10. ALL PIECES CENTERED UNLESS NOTED.
11. ALL FILLET WELDS 1/4" UNLESS NOTED.
12. Φ - INDICATES A PHYSICAL MARK REQ'D. THAT IS VISIBLE AFTER GALV. LOCATED 6"-24" FROM INDICATED END OF PIECE.
13. COMPLETED ASSEMBLY SHALL BE MARKED WITH ASSEMBLY DESIGNATION & ZONE.

I hereby certify that these documents were prepared or approved by me, Jacob De La Cruz and I am a duly licensed professional engineer under the laws of the state of Florida, License No. 99421.

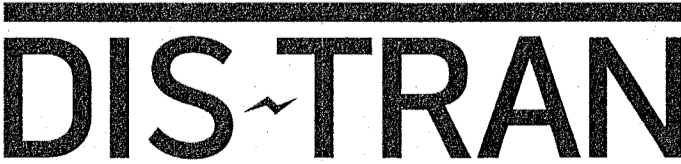
DJS-TRAN Packaged Substations, LLC

Florida Registry#: 27071

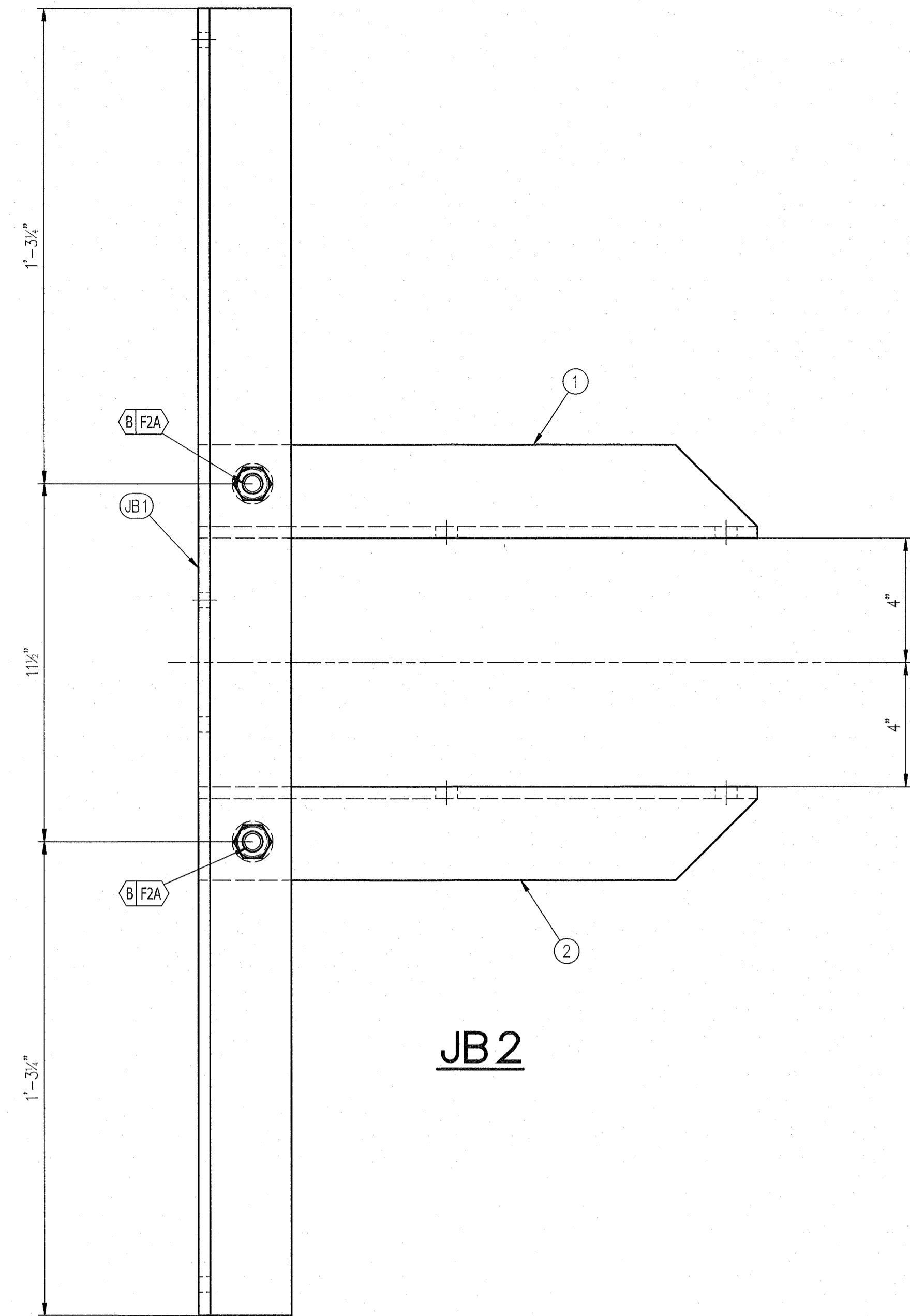


The seal is circular with a double-lined border. The outer ring contains the text "JACOB DE LA CRUZ" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner ring contains the text "STATE OF FLORIDA" at the bottom, also separated by two stars. In the center of the seal, it reads "LICENSE" at the top, "No. 99421" in the middle, and a single star at the bottom.

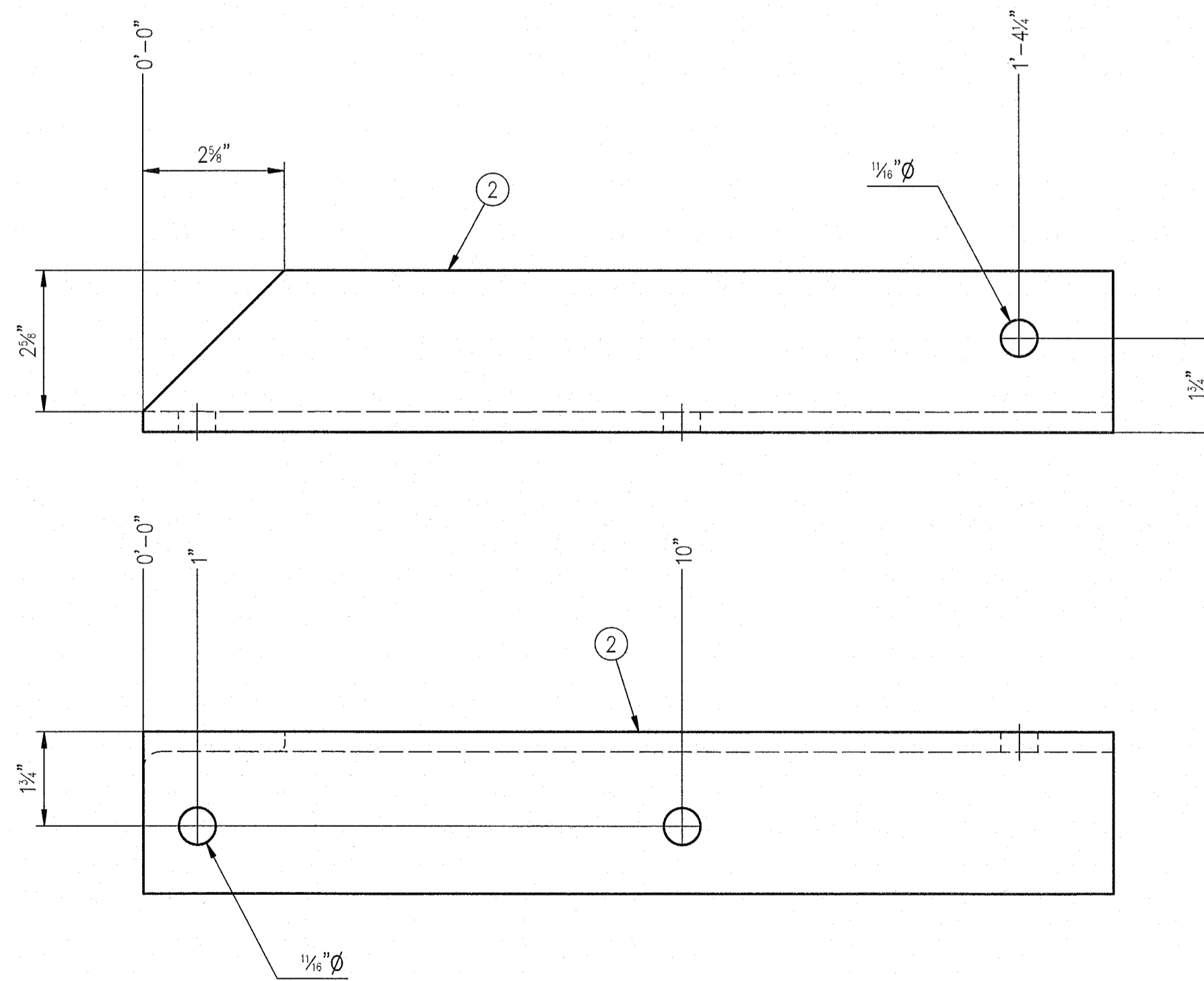
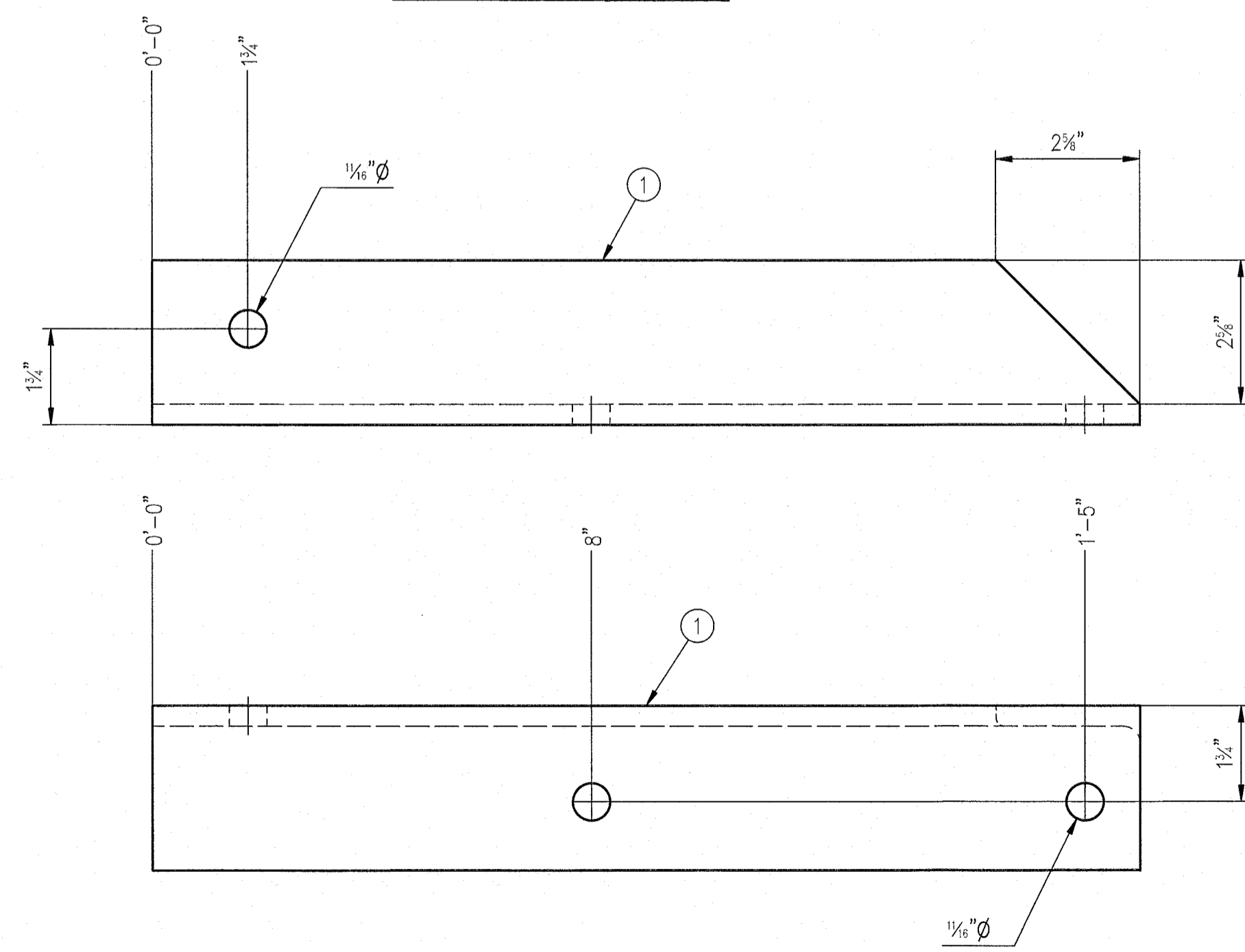
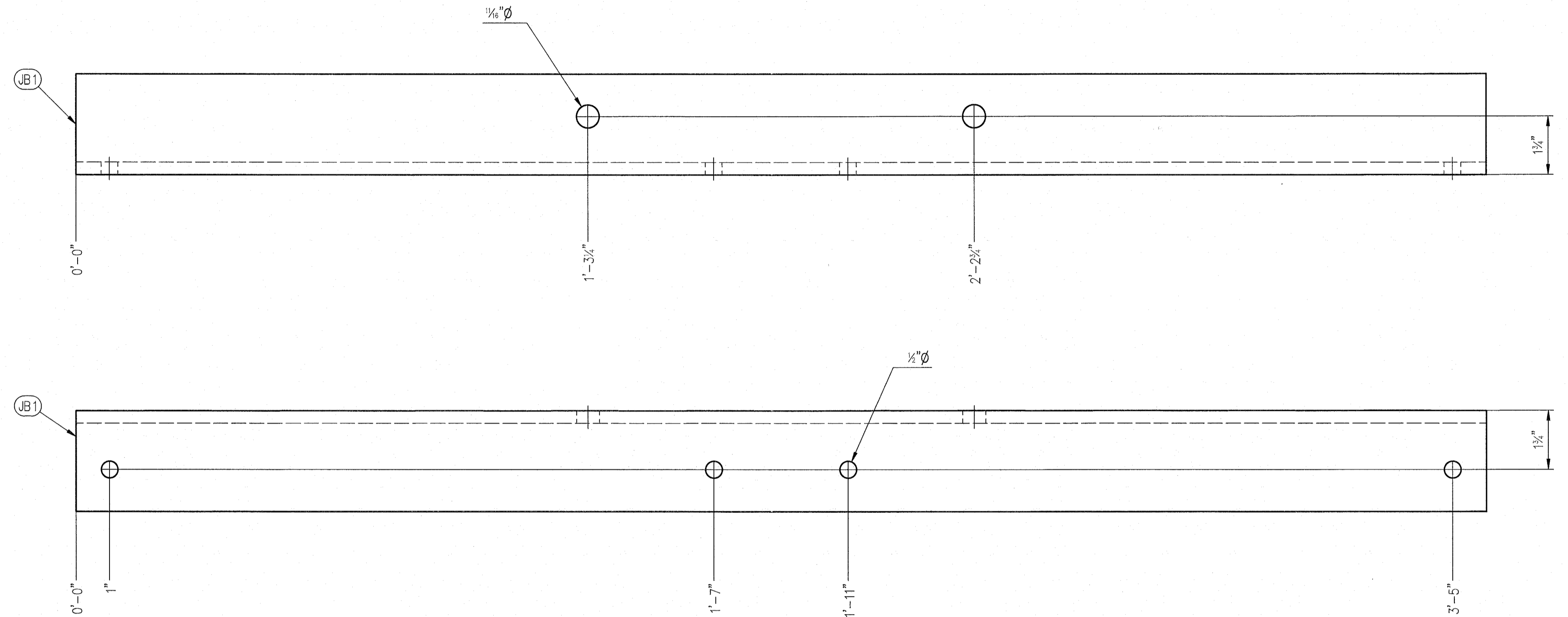
Jacob De La Cruz
1/28/2026

		4725 Highway 28 East Pineville, LA 71360 318.448.0274 substations@disfran.com disfransubstations.com	
PACKAGED SUBSTATIONS			
28KV FOREST TRAILS SUBSTATION JEA JEA Jacksonville, FL			
28KV 3Ø BUS AND METERING SUPPORT STAND , STR. 3			
JB1			
SCALE NOT TO SCALE (UNLESS NOTED)	JOB NUMBER 11932	DRAWING NO. 7005	SHEET NO. 1 OF 1
			REV. NO. 0

JB2 [BOLTED ASSEMBLY] (BUILD 2X)					
BWT	MARK	QTY.	DESCRIPTION	FT. - INS.	REMARKS
25.3	JB1	1	L 3x3x3/8	3'-6"	
10.8	1	1	L 3x3x3/8	1'-6"	
10.8	2	1	L 3x3x3/8	1'-6"	
46.9					
JB2 BOLT LIST (FOR ONE JB2)					
BWT	TYPE	MARK	QTY.	DESCRIPTION	PART NUMBER
.568	B	F2A	2	A325 TYPE 1 (HEX BOLT)	5/80 - 11 UNC - 2
.269			2	A194 GRADE 2H (ANCO NUT)	5/80 - 11 UNC
.099			2	F436 TYPE 1 (FLAT WASHER)	5/80
.935					



JB2

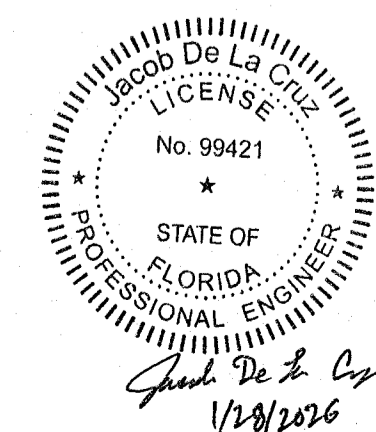


- ☒ SHIP ASSEMBLED
☐ SHIP KNOCKED DOWN
☐ SHIP TWO FACES ASSEMBLED

FABRICATION NOTES:
1. CHANNELS, PLATES, & ANGLES TO BE ASTM A36 UNLESS NOTED OTHERWISE.
2. HSS TO BE ASTM A500 GRADE B.
3. WIDE FLANGE TO BE ASTM A992.
4. PIPE TO BE ASTM A53 GRADE B.
5. ALL WELDING TO BE PER AWS D1.1 AND USE GRADE 70 ELECTRODES.
6. ALL STEEL TO BE HOT DIP GALV. AFTER FAB PER ASTM-A123.
7. PIECE MARKS NOT LESS THAN 3/8" HIGH CHARACTERS BEFORE GALV.

FABRICATION NOTES (CONT.):
8. ALL HARDWARE AND FASTENERS TO BE GALVANIZED UNLESS NOTED.
9. ALL MEMBERS CUT SQUARE UNLESS NOTED.
10. ALL PIECES CENTERED UNLESS NOTED.
11. ALL FILLET WELDS 1/4" UNLESS NOTED.
12. Ø - INDICATES A PHYSICAL MARK REQ'D. THAT IS VISIBLE AFTER GALV. LOCATED 6"-24" FROM INDICATED END OF PIECE.
13. COMPLETED ASSEMBLY SHALL BE MARKED WITH ASSEMBLY DESIGNATION & 7006

REGISTERED PROFESSIONAL ENGINEER STAMP
I hereby certify that these documents were prepared or approved by me, Jacob De La Cruz and I am a duly licensed professional engineer under the laws of the state of Florida, License No. 99421.
DIS-TRAN Packaged Substations, LLC
Florida Registry#: 27071



4725 Highway 28 East
Pineville, LA 71360
318.448.0274
substations@dis-tran.com
dis-tran.com

26KV FOREST TRAILS SUBSTATION				
JEA JEA Jacksonville, FL				
26KV 3Ø BUS AND METERING SUPPORT STAND , STR. 3				
JB2				
SCALE	JOB NUMBER	DRAWING NO.	SHEET NO.	REV. NO.
NOT TO SCALE (UNLESS NOTED)	11932	7006	1 OF 1	0

ALL STRUCTURES WERE DESIGNED IN ACCORDANCE WITH APPLICABLE EDITION LISTED WITHIN BUILDING CODE:

ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE & COMMENTARY

AISC 360 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS

ASCE 113 SUBSTATION STRUCTURE DESIGN GUIDE

ASCE 7 MINIMUM DESIGN LOADS & ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES

FBC 2023 FLORIDA BUILDING CODE

NEC C2 NATIONAL ELECTRICAL SAFETY CODE

NFPA 850 RECOMMENDED PRACTICE FOR FIRE PROTECTION FOR ELECTRIC GENERATING PLANTS AND HIGH VOLTAGE DIRECT CURRENT CONVERTER STATIONS

1. ALL STRUCTURAL CONNECTION BOLTS SHALL BE INSTALLED PER SNUG-TIGHTENED METHODOLOGY USING PROVIDED DIS-TRAIN CONSTRUCTION MANUAL "BOLTING PROCEDURES" ESTD-003.
2. ALL ANCHOR BOLTS W/ LEVELING NUTS SHALL BE INSTALLED PER PRE-TENSIONED METHODOLOGY.
3. INSPECTION AND TESTING REPORTS PER THE FBC SHALL BE SUBMITTED. SPECIAL INSPECTIONS ARE REQUIRED, BUT NOT LIMITED TO THE FOLLOWING:

- 3.1. WELDING INSPECTIONS SHALL BE IN COMPLIANCE WITH AWS D1.1.
- 3.2. INSPECTIONS OF THE STEEL FRAMES SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH THE STRUCTURAL DETAILS.

4. THIS SECTION APPLIES TO THE STRUCTURAL PORTIONS OF THE PROJECT REQUIRING SPECIAL INSPECTION. THE SPECIAL INSPECTOR'S DUTIES ARE AS DESCRIBED IN FBC.

DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

- a) THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL AND THE ENGINEER OF RECORD FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATIONS REQUIRING SPECIAL INSPECTIONS.
- b) THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
- c) COPIES OF TEST RESULTS AND FINAL REPORTS SHALL BE FURNISHED TO THIS ENGINEER IN ADDITION TO OTHER NORMAL DISTRIBUTIONS WITHIN ONE WEEK OF THE TEST OR INSPECTION.
- d) ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. THEN IF UNCORRECTED TO THE ENGINEER OF RECORD AND TO THE BUILDING OFFICIAL.
- e) THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE IBC.
5. ALL TEST AND INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT TESTING AND INSPECTION AGENCY EMPLOYED BY THE OWNER OR ARCHITECT AND NOT THE CONTRACTOR. JOB SITE VISITS BY THE ENGINEER OF RECORD DO NOT CONSTITUTE A SPECIAL INSPECTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE TEST AND INSPECTION FIRM WITH A SCHEDULE TO FACILITATE THE PROPER COORDINATION OF WORK.

PORTIONS OF WORK REQUIRING SPECIAL INSPECTION:

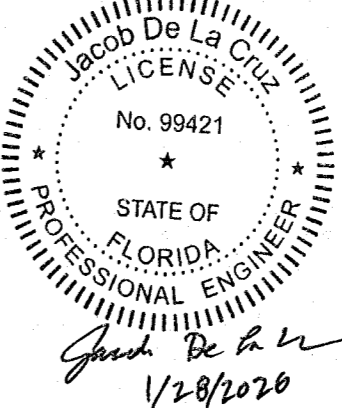
STEEL CONSTRUCTION:
INSTALLATION AND TEST OF STRUCTURAL STEEL
INSPECTION AND QUALIFICATION OF WELDING
SPECIAL INSPECTIONS FOR WIND RESISTANCE

FOUNDATION REACTION SUMMARY																		
Structure Designation	Anchor Bolt Diameter (in)	Anchor Bolt Pattern Type	Anchor Bolt Pattern Dimension (in)	Support Node	Load Case	Shear (Kips)			Moment (Kip-Ft)			Resultant Shear (kip)	Resultant Moment (ft-kips)	L-Pile Inputs			Maximum Uplift (kip)	Maximum Compression (kip)
						FX²	FY¹	FZ²	MX²	MY	MZ³			Resultant Shear (lbs)	Resultant Moment (in-lbs)	Axial Load (lbs)		
Str. 3 (CASE II)	1	Square	12x12	3	42	0.00	2.03	-0.78	-9.98	0.00	-0.03	0.78	9.98	781	119760	2025	0.00	2.03
Str. 3 (CASE III)	1	Square	12x12	3	44	0.00	2.18	-2.09	-25.41	0.00	0.03	2.09	25.41	2089	304808	2181	0.00	2.18

NOTES:

1. Axial Load: (+) values are compression and (-) values are uplift.
2. In PLS equivalent to Longitudinal.
3. In PLS equivalent to Transverse.

[illegible]

<p>REGISTERED PROFESSIONAL ENGINEER STAMP</p> <p>I hereby certify that these documents were prepared or approved by me, <u>Jacob De La Cruz</u>, and I am a duly licensed professional engineer under the laws of the state of <u>Florida</u>, License No. 99421.</p> <p>DIS-TRAN Packaged Substations, LLC</p> <p>Florida Registry#: 27071</p>		<p>DIS-TRAN</p> <p>PACKAGED SUBSTATIONS</p> <p>4725 Highway 28 East Pineville, LA 71360 318.448.0274 substations@distran.com distransubstations.com</p>											
		<p>26KV FOREST TRAILS SUBSTATION</p> <p>JEA JEA JACKSONVILLE, FL 32202</p>											
<p>STRUC TURAL NOTES AND FOUNDATION REACTIONS</p>		<table border="1"> <thead> <tr> <th>SCALE</th> <th>JOB NUMBER</th> <th>DRAWING NO.</th> <th>SHEET NO.</th> <th>REV NO.</th> </tr> </thead> <tbody> <tr> <td>NOT TO SCALE (UNLESS NOTED)</td> <td>11932</td> <td>S1</td> <td>1 OF 1</td> <td>0</td> </tr> </tbody> </table>		SCALE	JOB NUMBER	DRAWING NO.	SHEET NO.	REV NO.	NOT TO SCALE (UNLESS NOTED)	11932	S1	1 OF 1	0
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