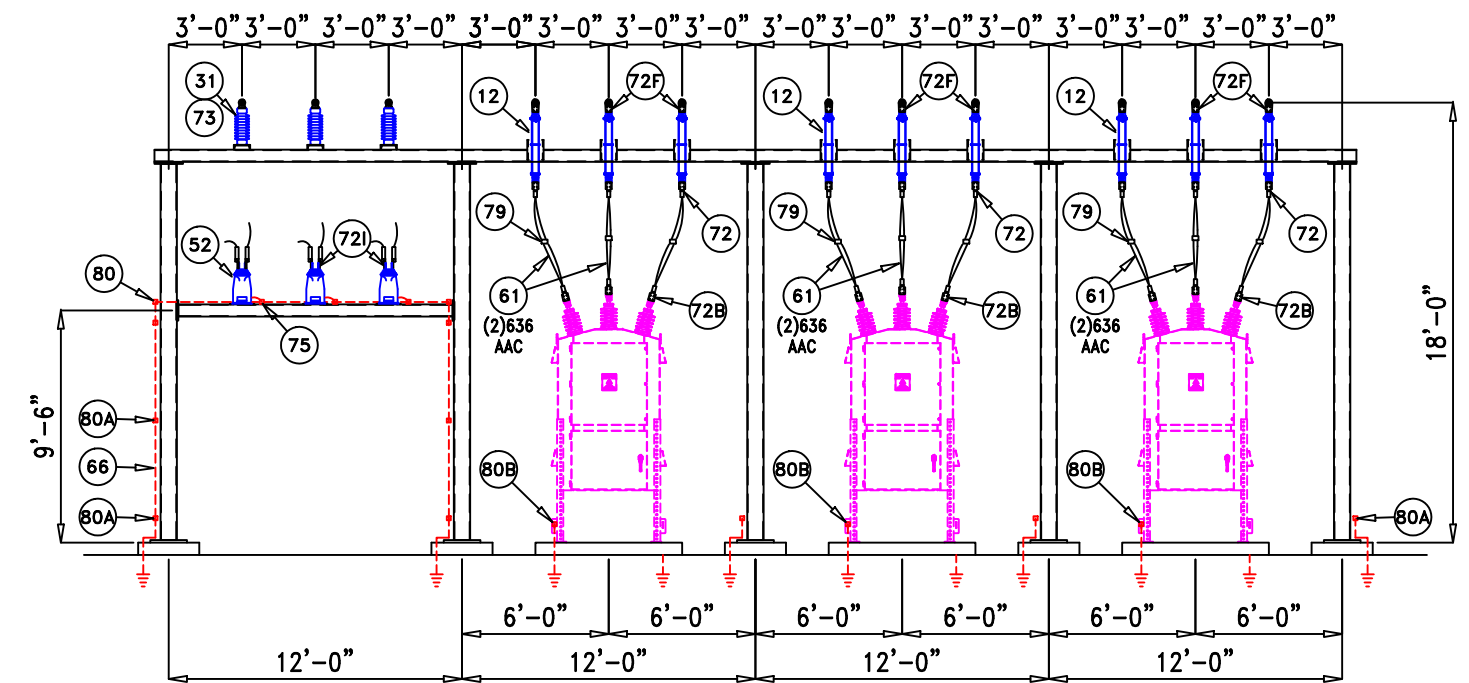
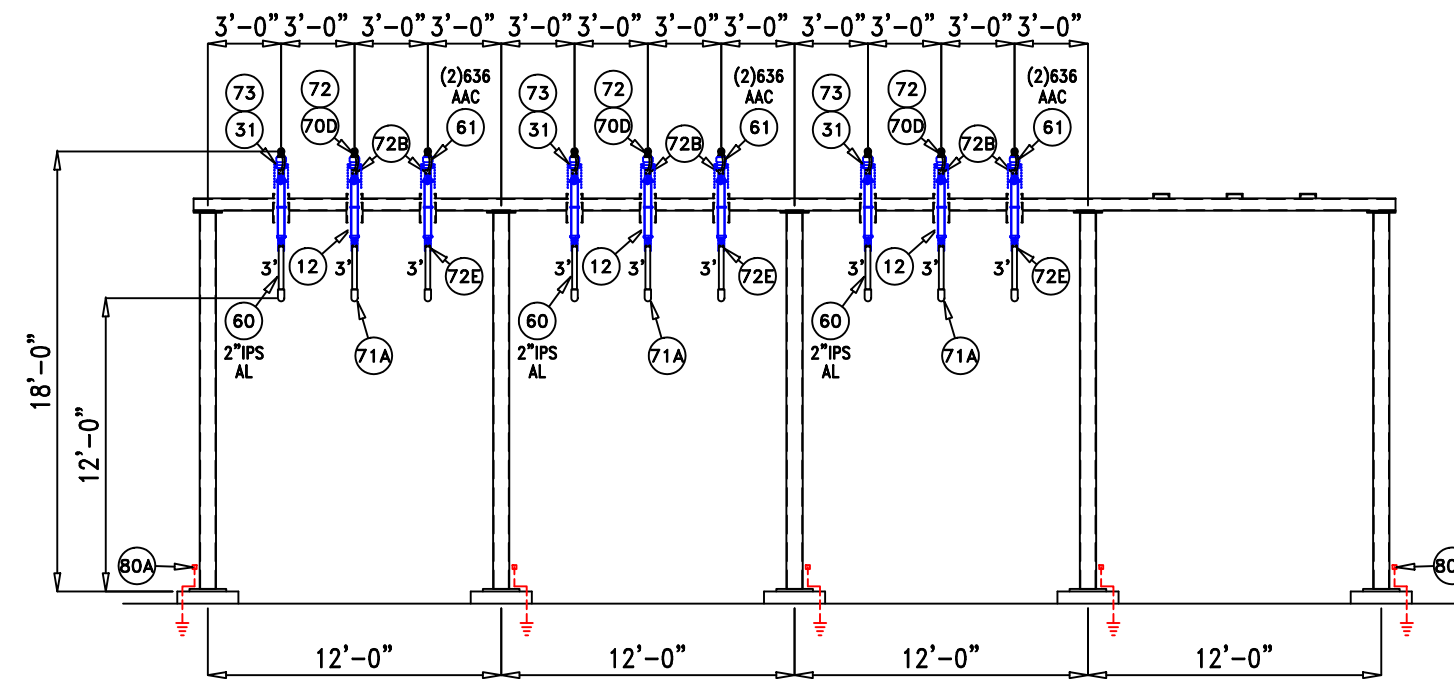


SECTION G-G



SECTION H-H



SECTION I-I

Substation Enterprises, Inc.

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JACKSONVILLE ELECTRIC AUTHORITY

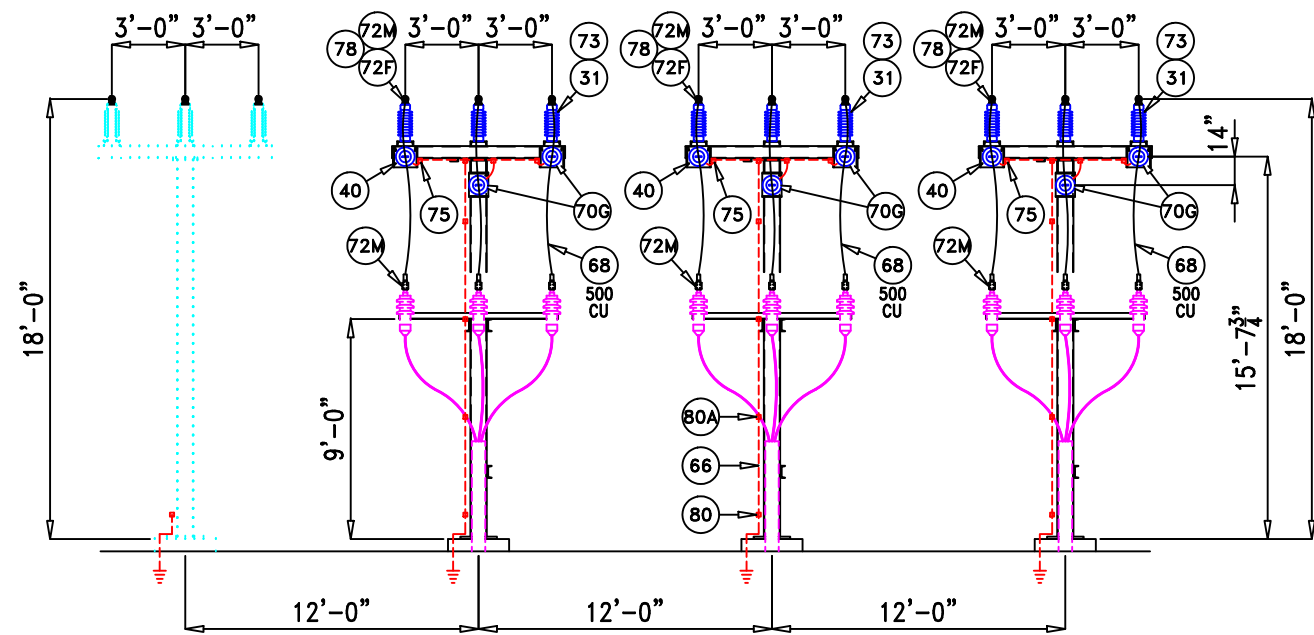
STARRATT ROAD (138/25kV) SUBSTATION

ELECTRICAL ARRANGEMENTS - SECTIONS G-G, H-H & I-I

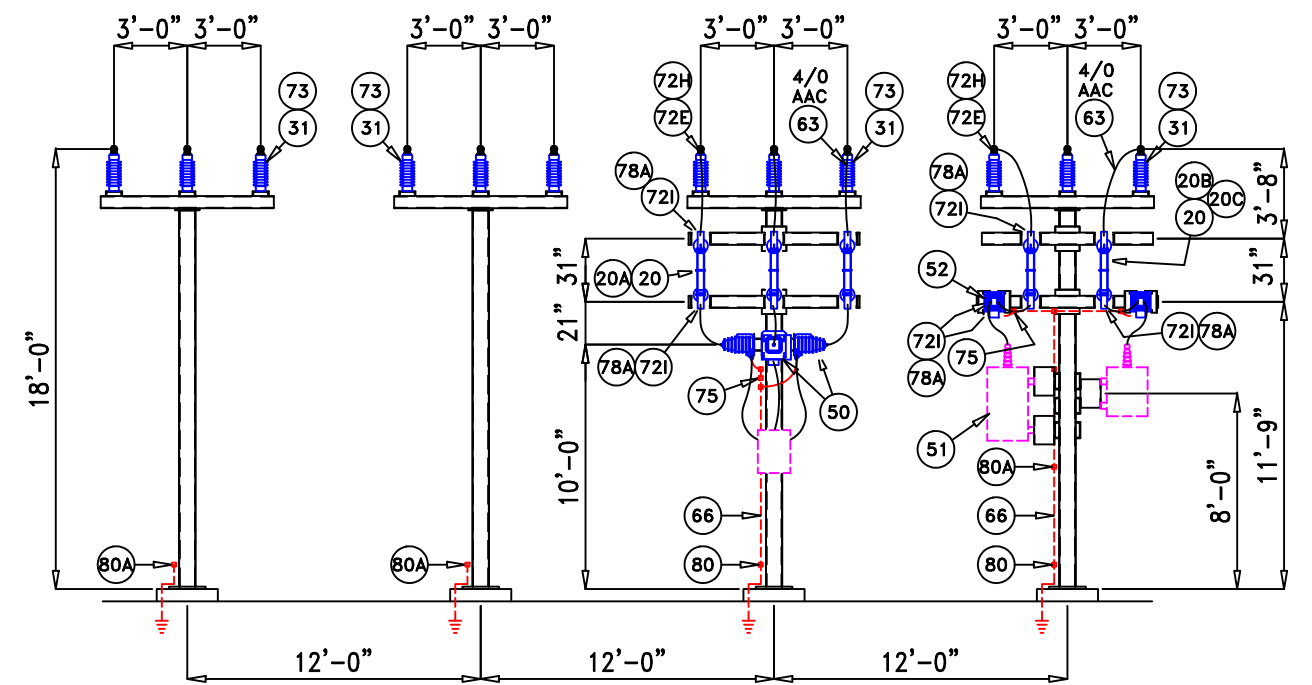
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SCALE: 1/4"=1'-0" APPROVED BY: CJ-6787-EA5

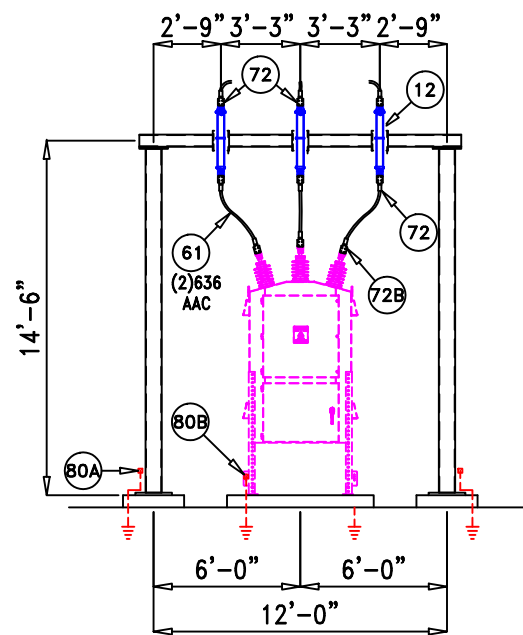
REV	DATE	DESCRIPTION



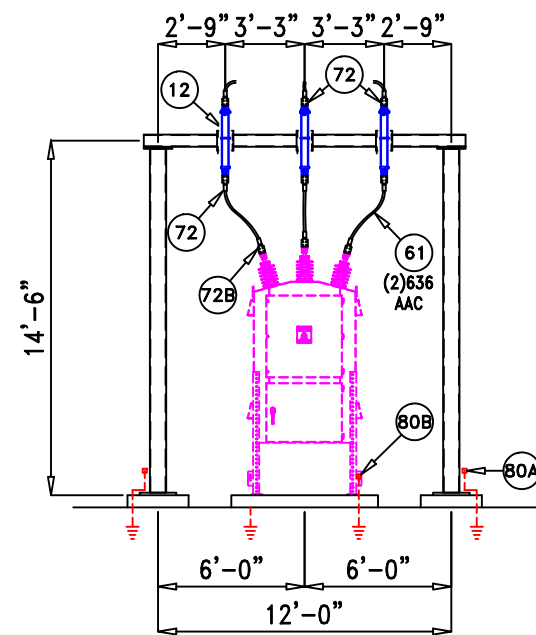
SECTION J-J



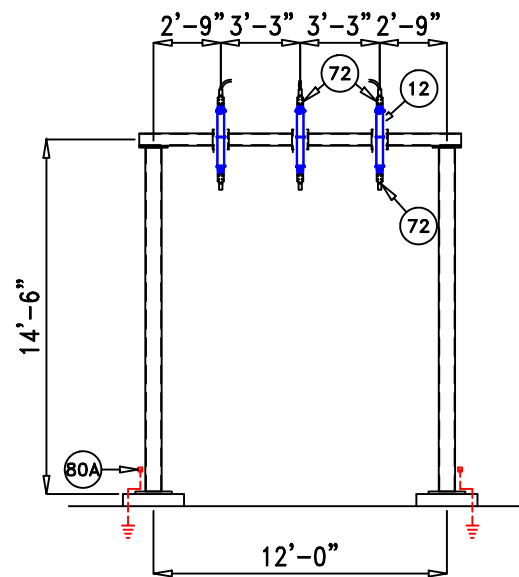
SECTION K-K



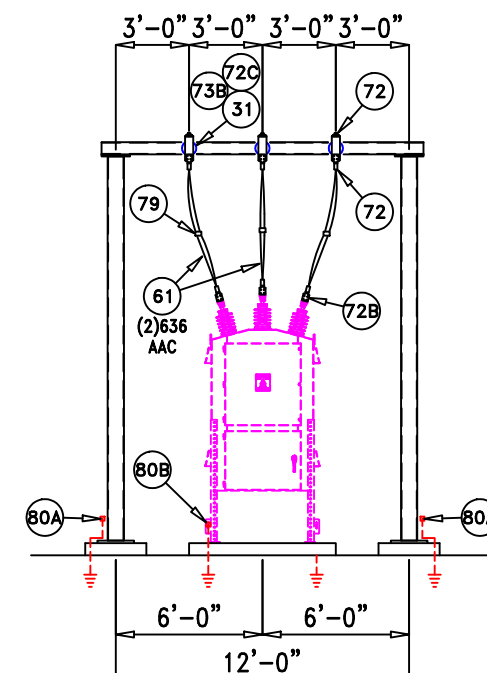
SECTION L-L



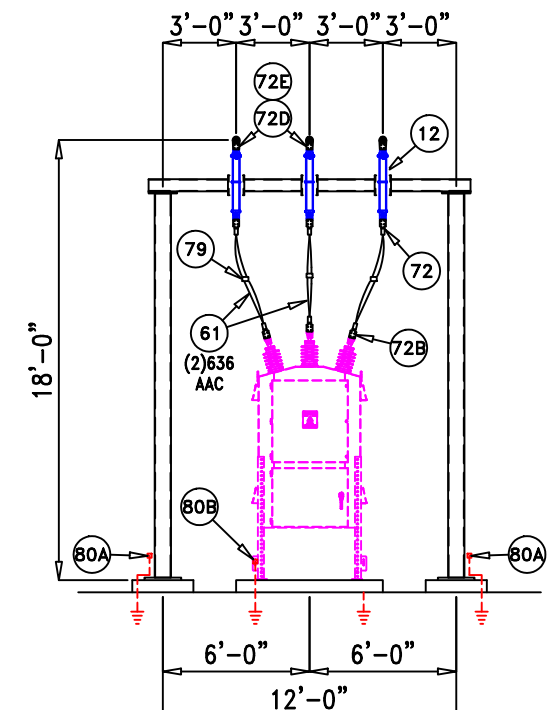
SECTION M-M



SECTION N-N



SECTION O-O



SECTION P-P

Substation Enterprises, Inc.

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Phone: (205)685-2755, Fax: (205)685-2753

JACKSONVILLE ELECTRIC AUTHORITY

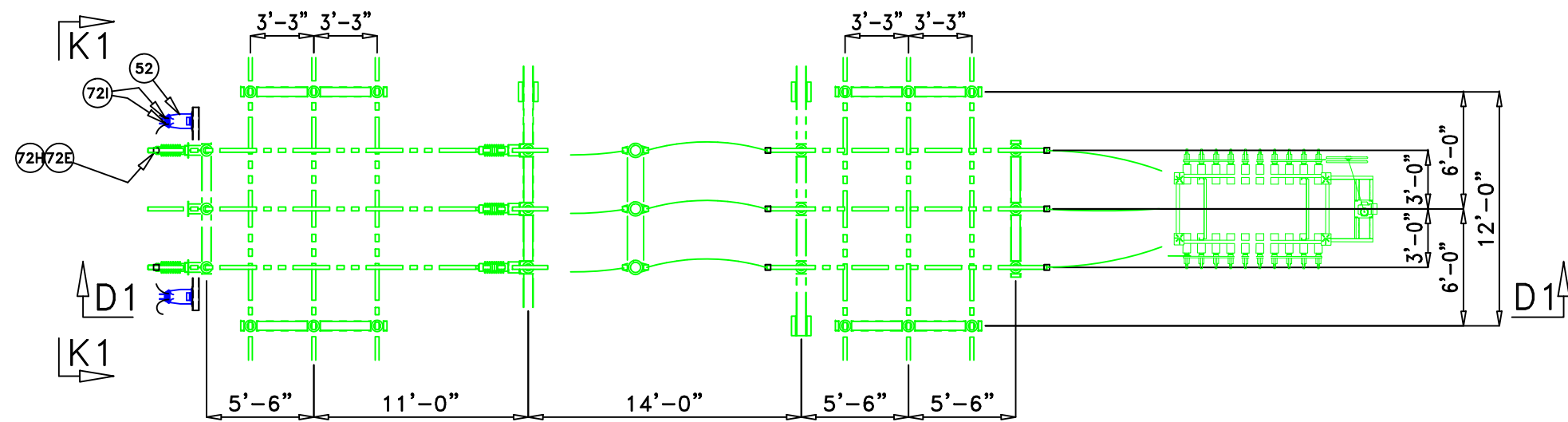
STARRATT ROAD (138/25kV) SUBSTATION

ELECTRICAL ARRANGEMENTS - SECTIONS J-J thru P-P

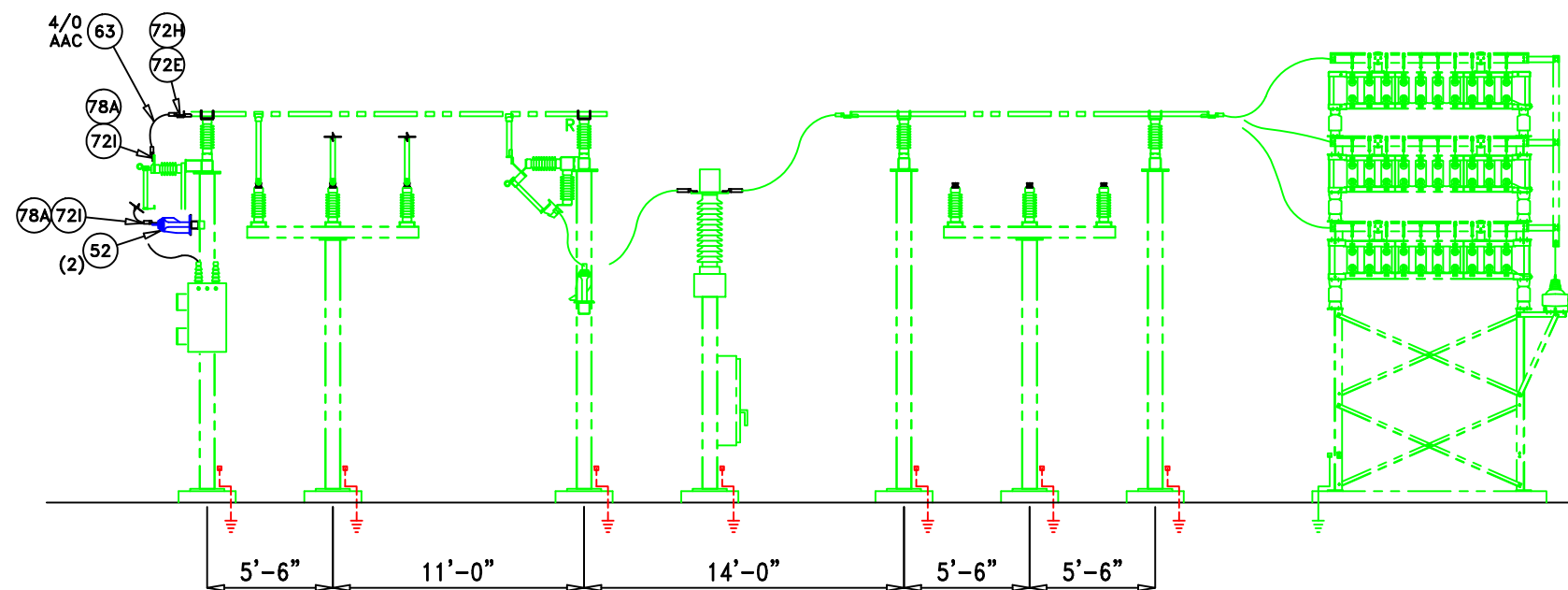
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SCALE: 1/4"=1'-0" APPROVED BY: CJ-6787-EA6

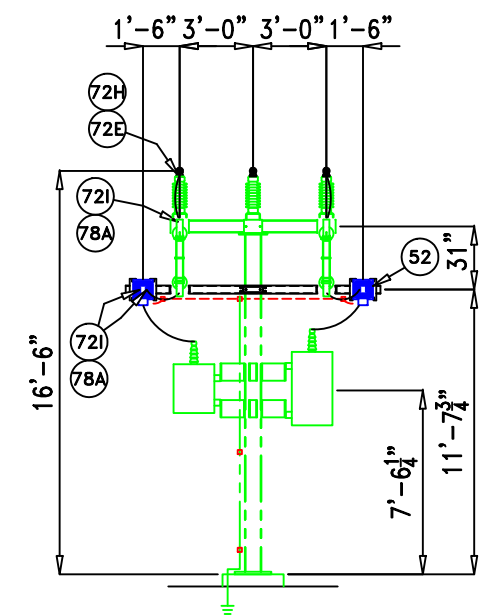
REV	DATE	DESCRIPTION



T1 CAP BANK PLAN VIEW



SECTION D1-D1



SECTION K1-K1

(CONNECTORS & EQUIPMENT HAVE BEEN FIGURED INTO B.O.M.)

REV	DATE	DESCRIPTION
1	05-27 2025	CORRECTED DESIGN BASED ON EXISTING INFORMATION SENT.

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JACKSONVILLE ELECTRIC AUTHORITY

STARRATT ROAD (138/25kV) SUBSTATION

ELECTRICAL ARRANGEMENTS - PLAN/SECTIONS T1

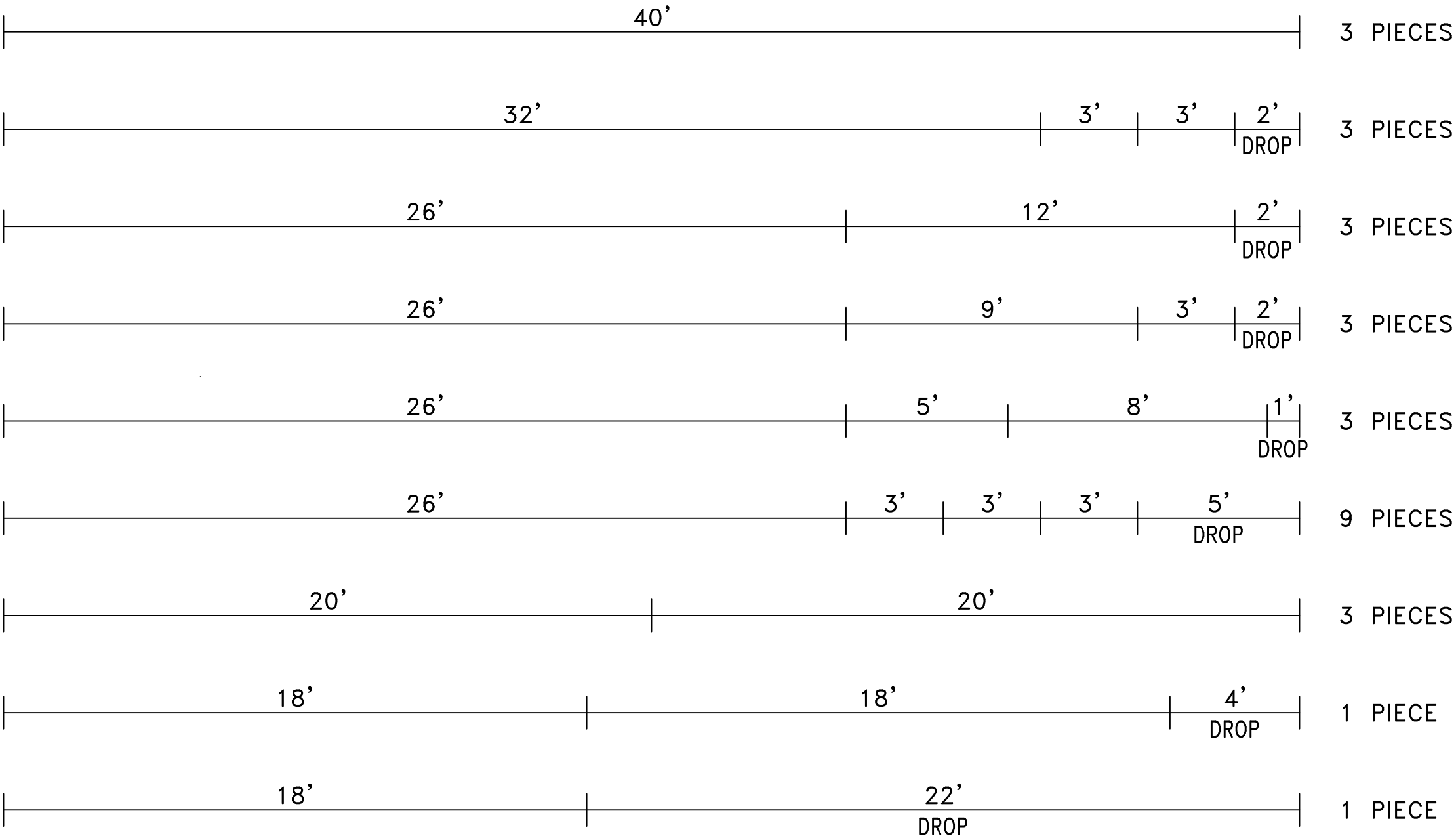
DATE: 04-30-25 DRAWN BY: LJW CHECKED BY: LJW DRAWING NUMBER:


SCALE: 1/8"=1'-0" APPROVED BY: CJ-6787-EA7

BUS CUTTING SCHEDULE

SEE NOTE #4 ON SHEET EA1

60

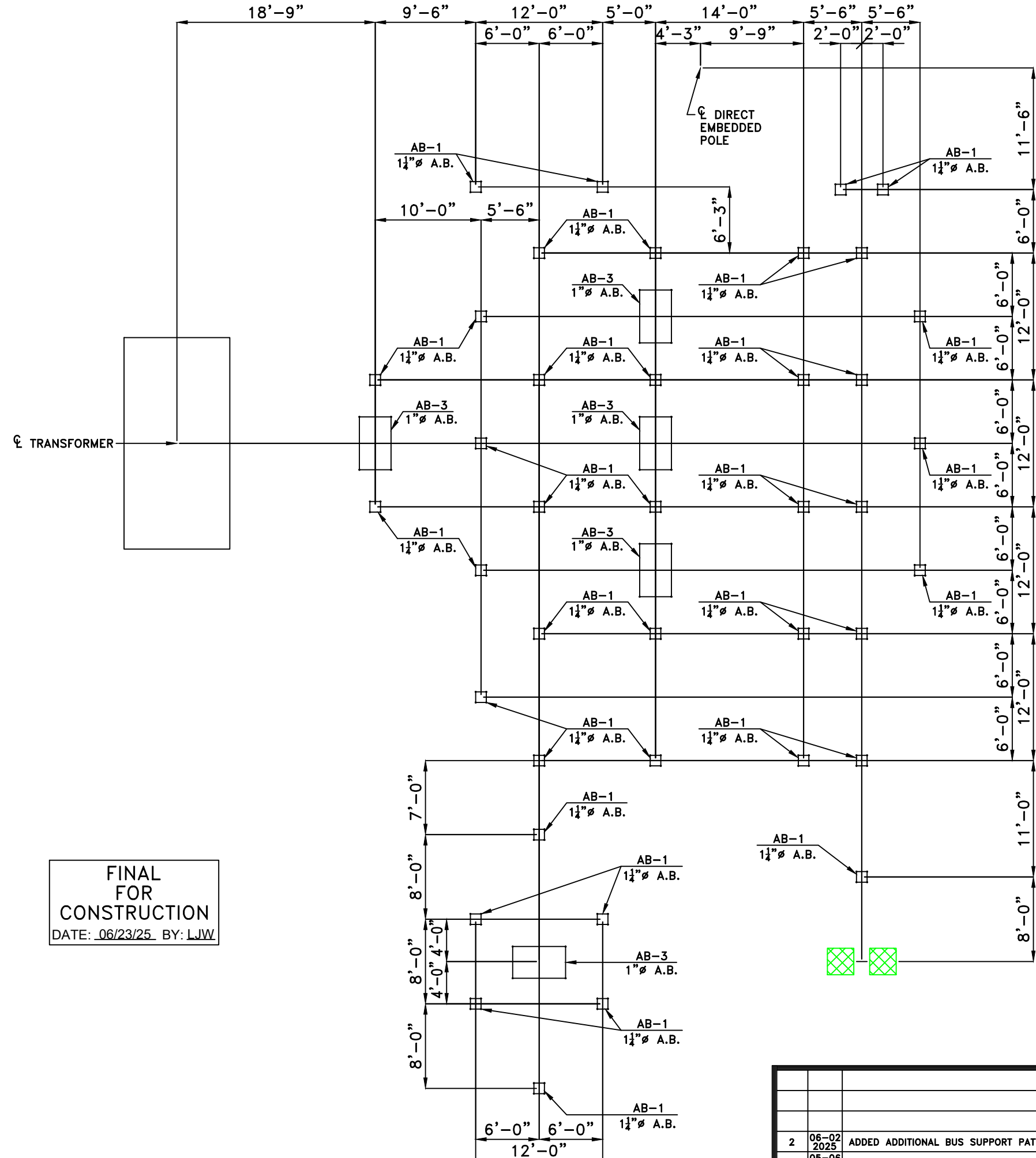
2" IPS ALUMINUM



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JACKSONVILLE ELECTRIC AUTHORITY			
STARRATT ROAD (138/25kV) SUBSTATION			
BUS CUTTING SCHEDULE			
DATE: 04-29-25	DRAWN BY: LJW	CHECKED BY: LJW	DRAWING NUMBER:
SCALE: ¼"=1'-0"	APPROVED BY:		CJ-6787-EA8

1	06-02 2025	ADDED BUS LENGTHS FOR ADDITIONAL EXISTING ATTACHMENT.
REV	DATE	DESCRIPTION




FINAL
FOR
CONSTRUCTION
DATE: 06/23/25 BY: LJW

ANCHOR BOLT PLAN

REV	DATE	DESCRIPTION
2	06-02 2025	ADDED ADDITIONAL BUS SUPPORT PATTERNS PER CUSTOMER REQUEST.
1	05-06 2025	CHANGES MADE PER CUSTOMER APPROVAL MARK-UPS.

- NOTES:
- 1) BASEPLATE EDGE DISTANCE IS 3" FOR 1-1/4"Ø ANCHOR BOLTS AND UP. BASEPLATE EDGE DISTANCE IS 2" FOR 1"Ø ANCHOR BOLTS AND BELOW.
 - 2) STRUCTURES ARE DESIGNED TO BE INSTALLED ON LEVELING NUTS WITHOUT GROUT. THE BOTTOM NUT SHOULD BE INSTALLED NO HIGHER THAN ONE NUT THICKNESS ABOVE CONCRETE.
 - 3) DO NOT PUT ANY LOAD ON ANCHOR BOLTS FOR AT LEAST 14 DAYS AFTER POURING CONCRETE.
 - 4) ALL ANCHOR BOLT MATERIAL IS HOT DIPPED GALVANIZED F-1554 GR. 55 STEEL.
 - 5) SEE SHEET AB2 FOR ANCHOR BOLT DETAILS.
 - 6) DENOTES EXISTING FOUNDATIONS



Substation Enterprises, Inc.

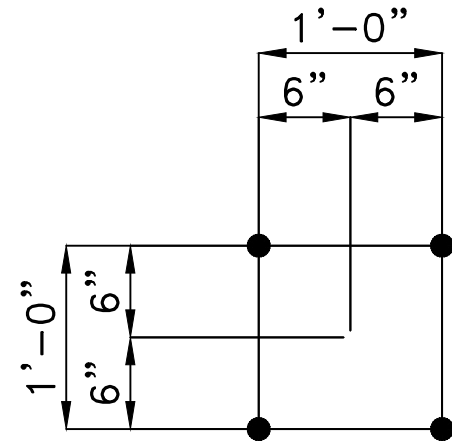
145 Commercial Court, P.O. Box 2010
Alabaster, AL 35007
Phone: (205)685-2755, Fax: (205)685-2753

JACKSONVILLE ELECTRIC AUTHORITY

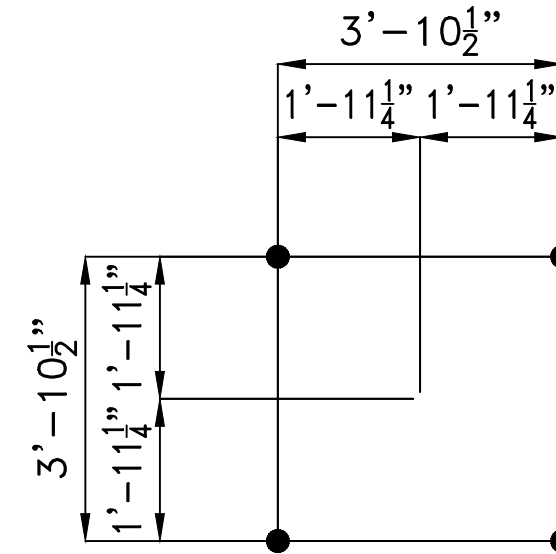
STARRATT ROAD (138/25kV) SUBSTATION

ANCHOR BOLT PLAN

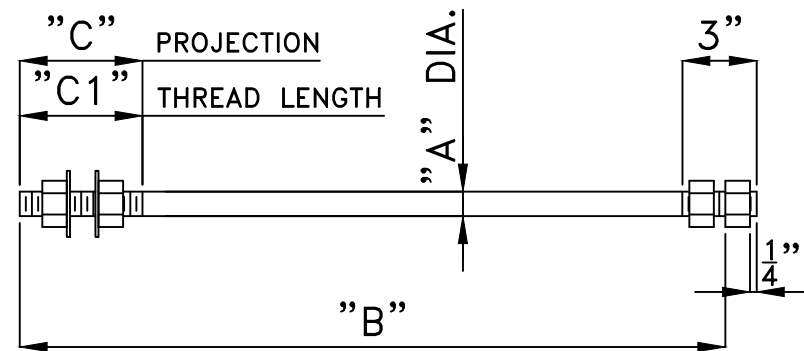
DATE: 10-10-24	DRAWN BY: TB	CHECKED BY: TB	DRAWING NUMBER:
SCALE: 3/8"=1'-0"	APPROVED BY:		CJ-6787-AB1



AB-1 ~ (40) PATTERNS REQ'D
(160) 1-1/4" A.B.

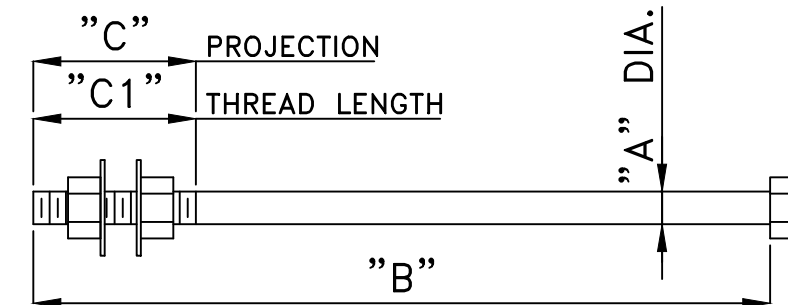


AB-3 ~ (5) PATTERNS REQ'D
(20) 1" A.B.




TOTAL LENGTH						
ITEM#	QTY.	"A"	"B"	"C"	"C1"	"L"
AB-1	(160)	1-1/4"	3'-7 1/2"	9"	9"	3'-9"

PLEASE NOTE TOTAL LENGTH OF ANCHOR BOLT
IS LONGER THAN "B" DIMENSION, SEE "L"



ITEM#	QTY.	"A"	"B"	"C"	"C1"
AB-3	(20)	1"	1'-0"	4"	6"

REV	DATE	DESCRIPTION
2	06-02-2025	ADDED ADDITIONAL BUS SUPPORT PATTERNS PER CUSTOMER REQUEST.
1	05-06-2025	CHANGES MADE PER CUSTOMER APPROVAL MARK-UPS.

**Substation Enterprises, Inc.**

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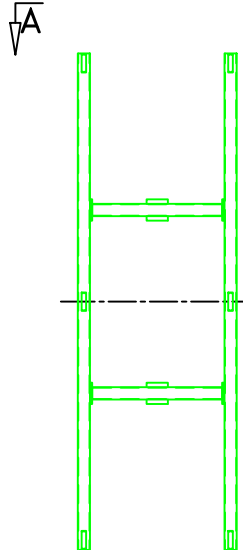
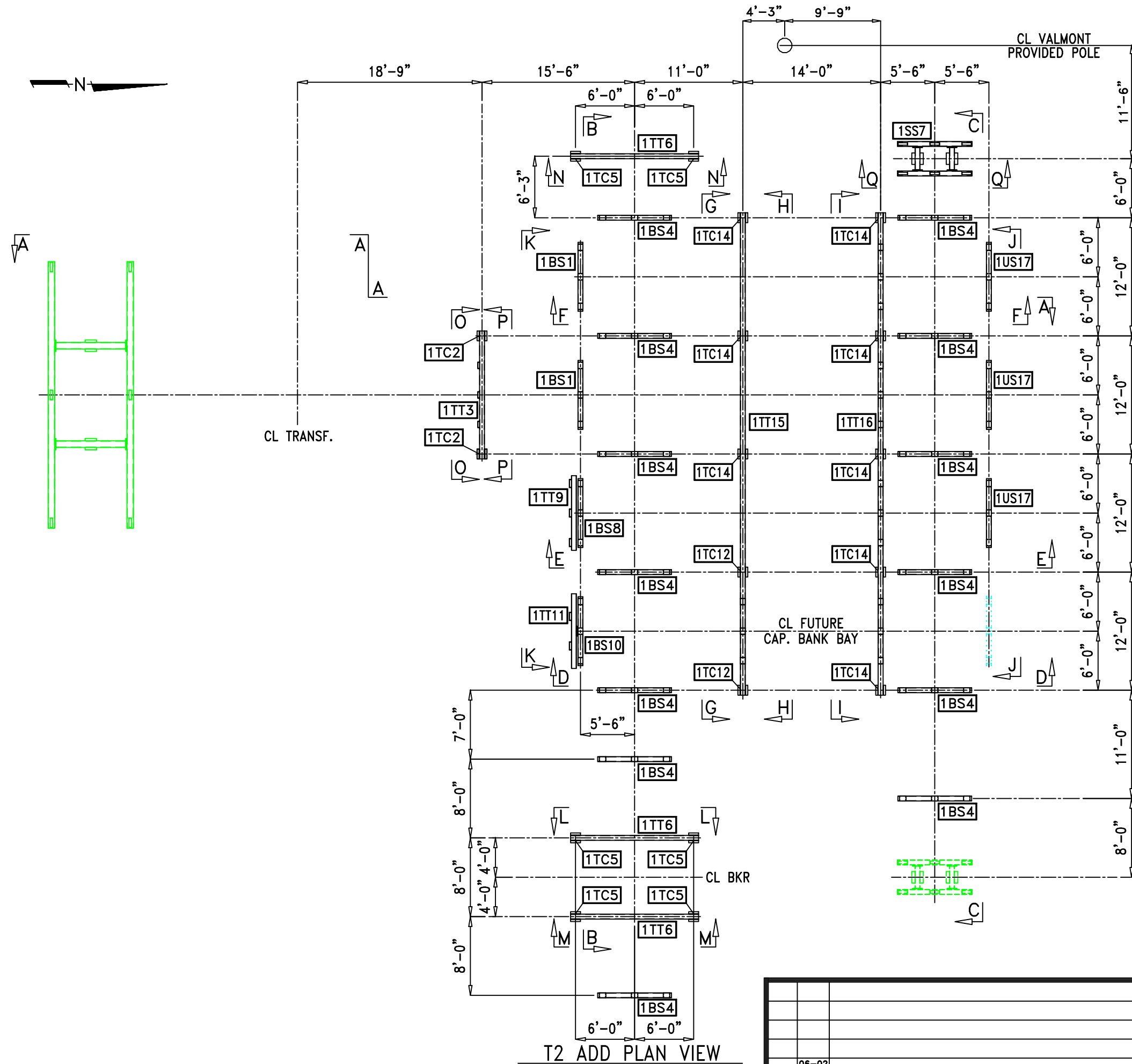
JACKSONVILLE ELECTRIC AUTHORITY

STARRATT ROAD (138/25kV) SUBSTATION

ANCHOR BOLT DETAILS

DATE: 10-10-24DRAWN BY: TBCHECKED BY: TBDRAWING NUMBER: CJ-6787-AB2

SCALE: NONEAPPROVED BY:



FINAL
FOR
CONSTRUCTION
DATE: 06-23-25 BY: LJW

Substation Enterprises, Inc.

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Phone: (205)685-2755, Fax: (205)685-2753

JACKSONVILLE ELECTRIC AUTHORITY

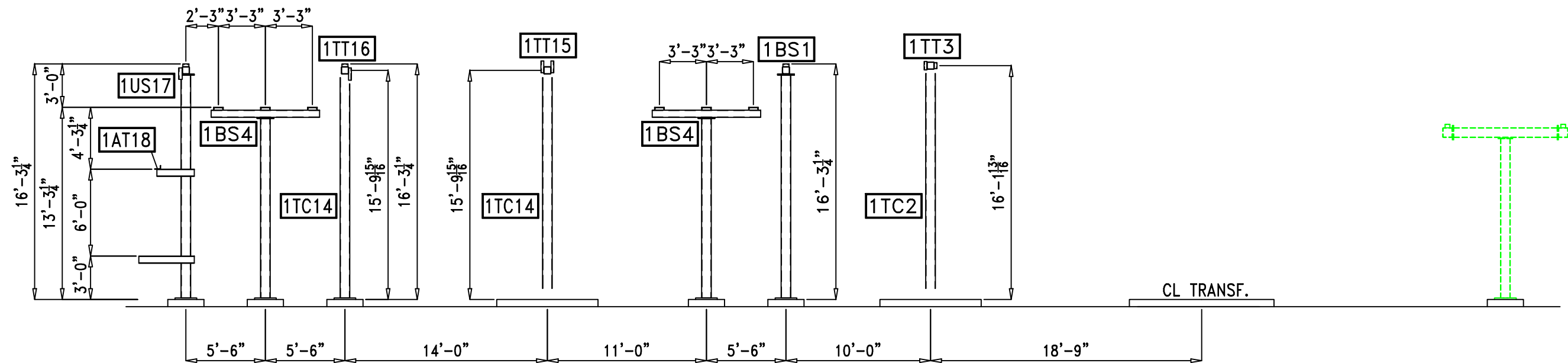
STARRATT ROAD (138/25kV) SUBSTATION

ERECTION DIAGRAMS – PLAN VIEW

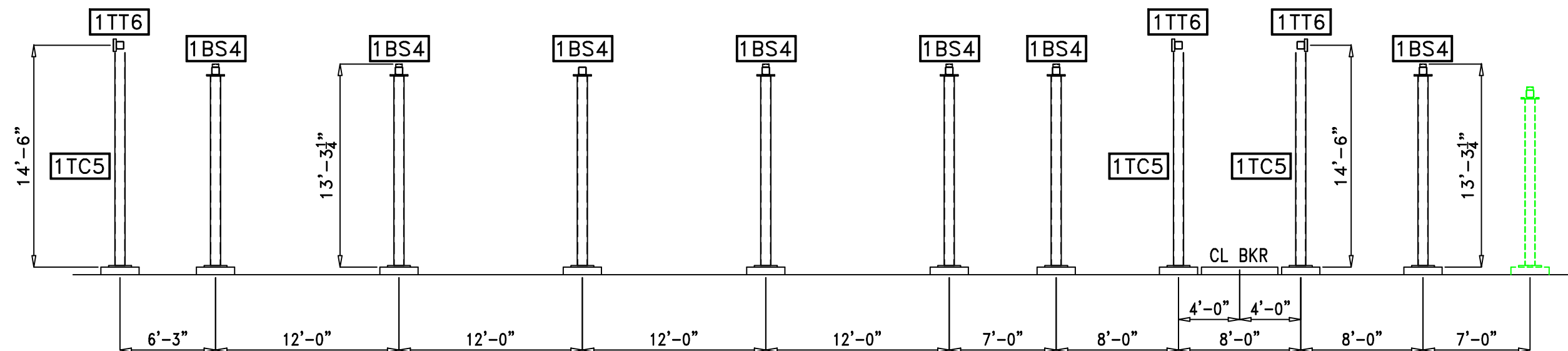
DATE: 04-30-25 DRAWN BY: LJW CHECKED BY: LJW DRAWING NUMBER:
SCALE: 3/8"=1'-0" APPROVED BY: CJ-6787-ED1

REV	DATE	DESCRIPTION
1	06-02-2025	ADDED BUS SUPPORTS & MISC CHANGES PER CUSTOMER APPROVAL.

T2 ADD PLAN VIEW



SECTION A-A



SECTION B-B

**Substation
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JACKSONVILLE ELECTRIC AUTHORITY

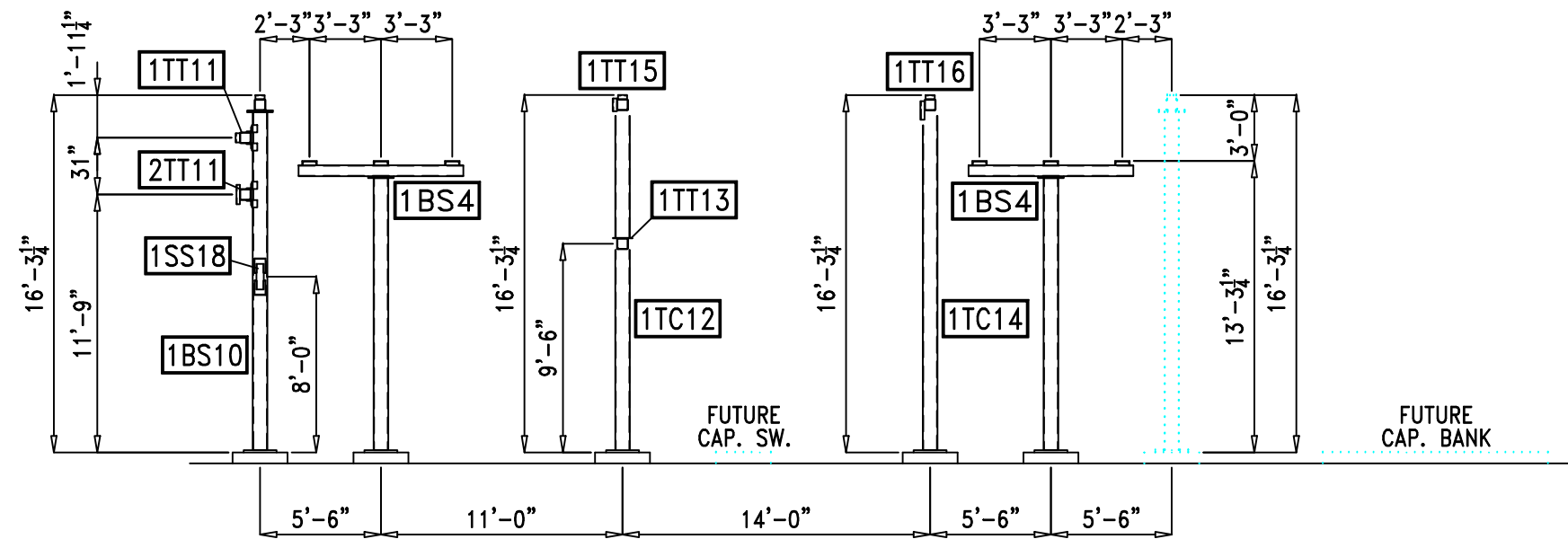
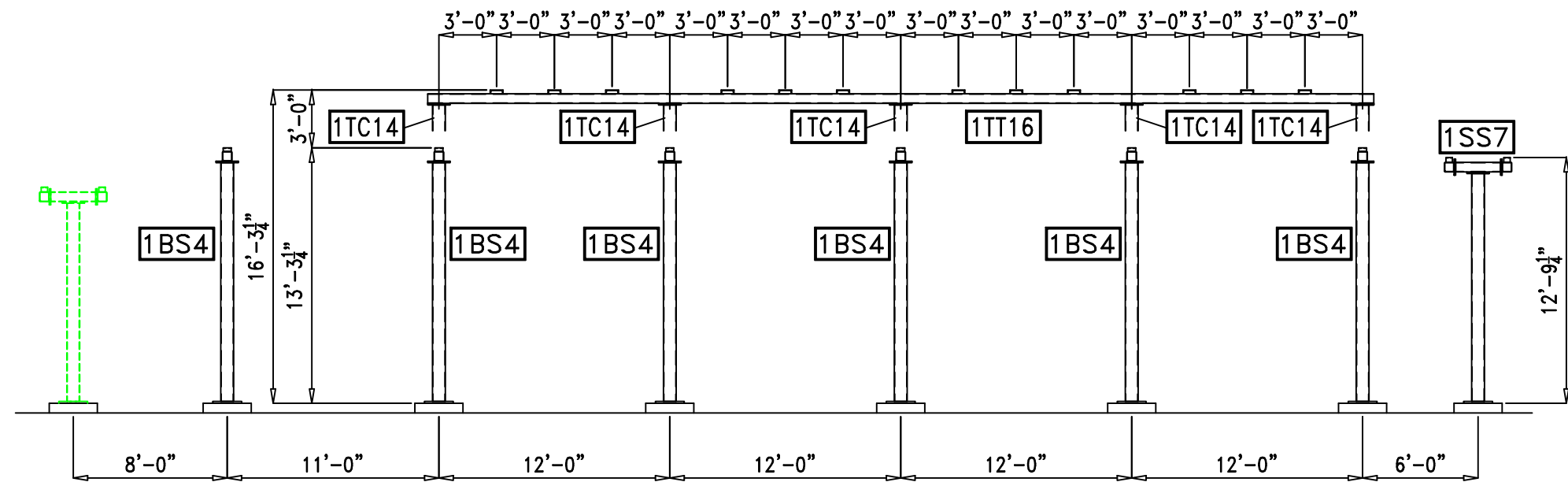
STARRATT ROAD (138/25kV) SUBSTATION

ERECTION DIAGRAMS - SECTIONS A-A & B-B

DATE: 05-01-25 DRAWN BY: LJW CHECKED BY: LJW DRAWING NUMBER:

SCALE: 1/8"=1'-0" APPROVED BY: CJ-6787-ED2

REV	DATE	DESCRIPTION
1	06-02-2025	ADDED BUS SUPPORTS & MISC CHANGES PER CUSTOMER APPROVAL.



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JACKSONVILLE ELECTRIC AUTHORITY

STARRATT ROAD (138/25kV) SUBSTATION

ERECTION DIAGRAMS - SECTIONS C-C & D-D

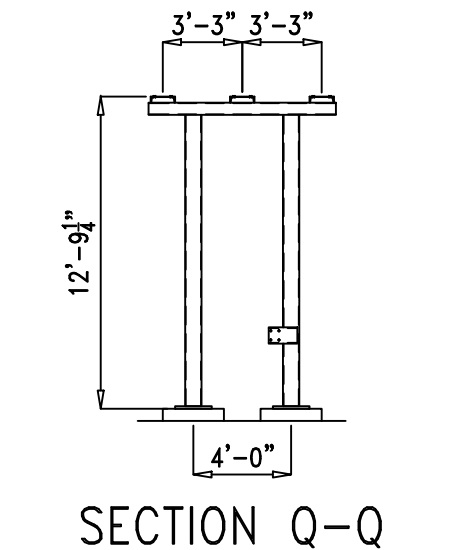
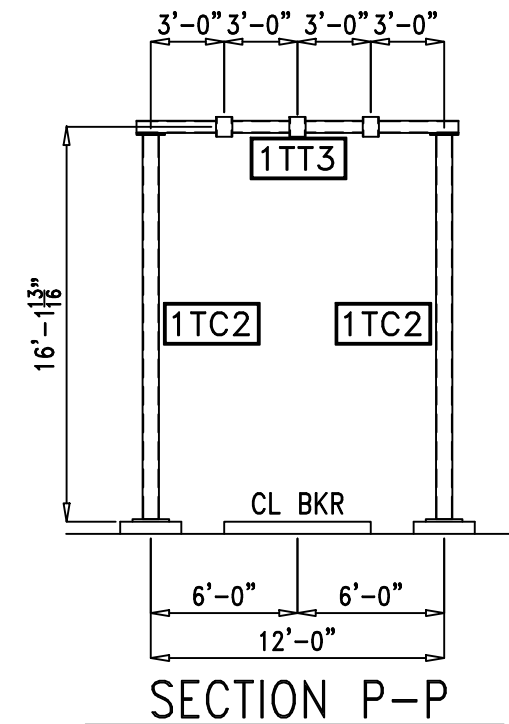
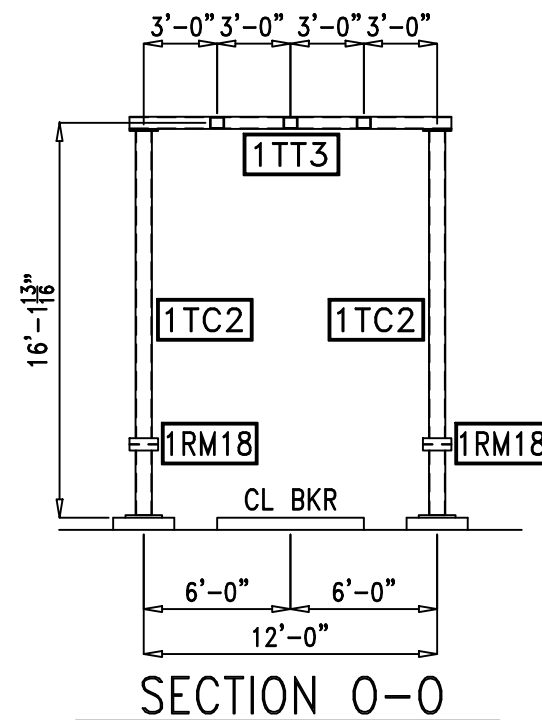
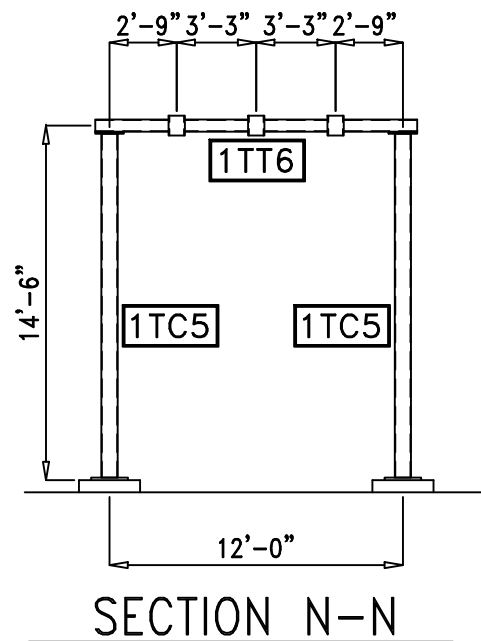
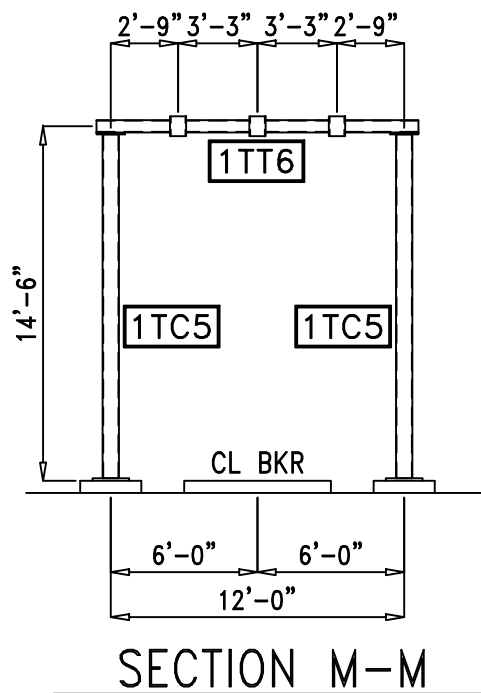
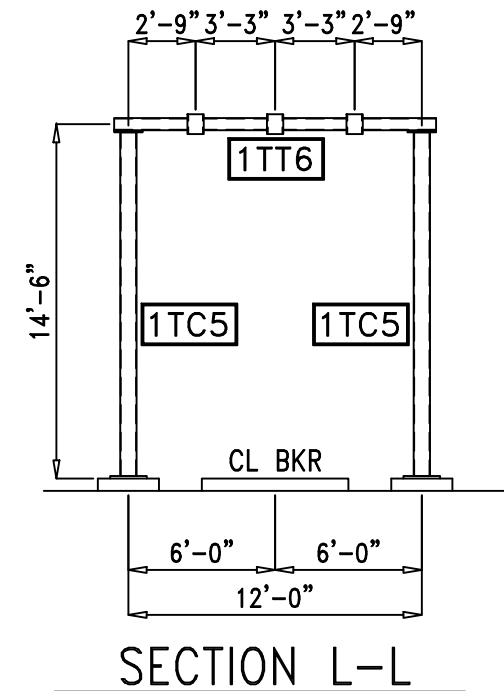
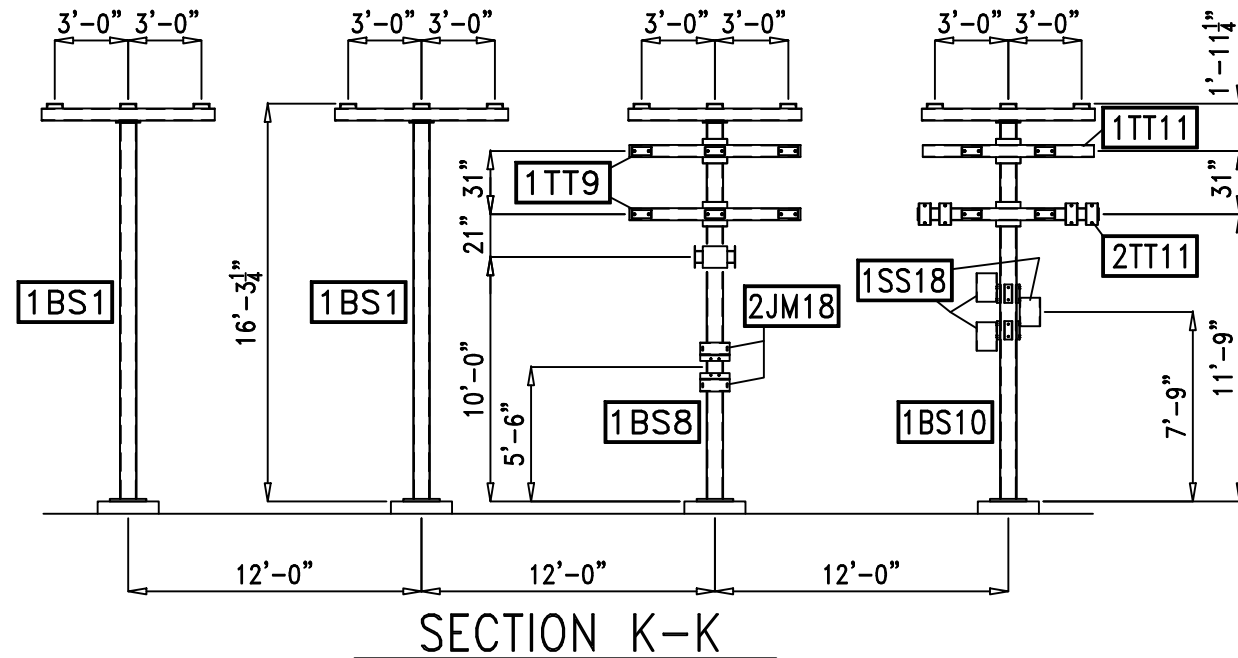
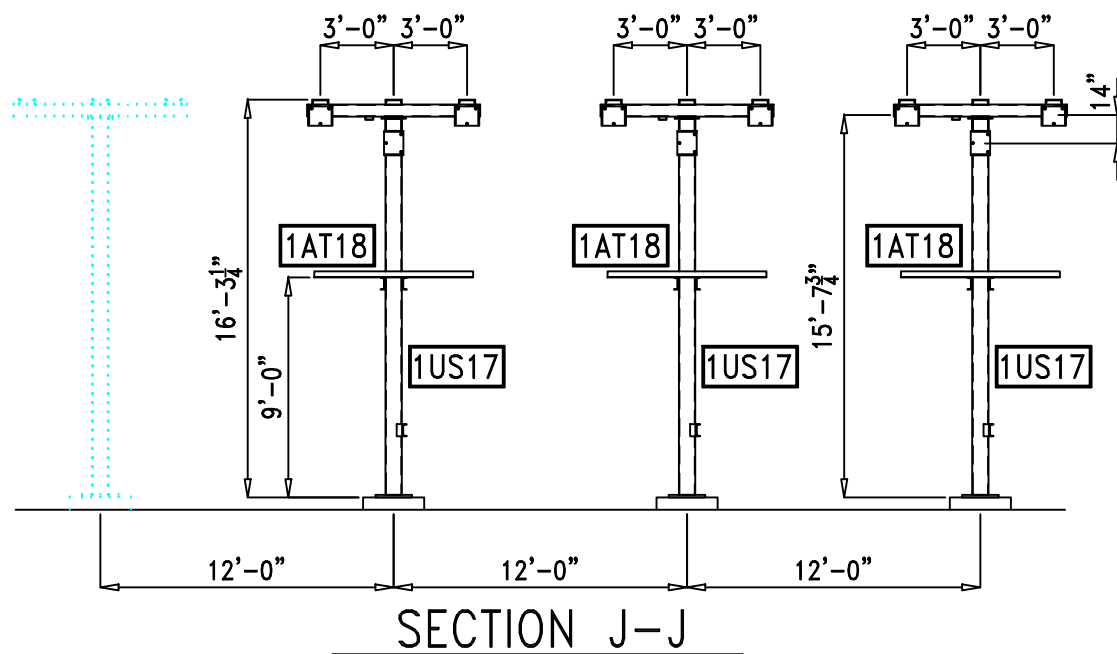
1	06-02 2025	ADDED BUS SUPPORTS & MISC CHANGES PER CUSTOMER APPROVAL.
REV	DATE	DESCRIPTION

DATE: 05-01-25	DRAWN BY: LJW	CHECKED BY: LJW	DRAWING NUMBER:
SCALE: 1/4"=1'-0"	APPROVED BY:		CJ-6787-ED3



SCALE: 1"=1'-0"	APPROVED BY:	CJ-6787-ED4
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REV	DATE	DESCRIPTION



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Phone: (205)685-2755, Fax: (205)685-2753

JACKSONVILLE ELECTRIC AUTHORITY

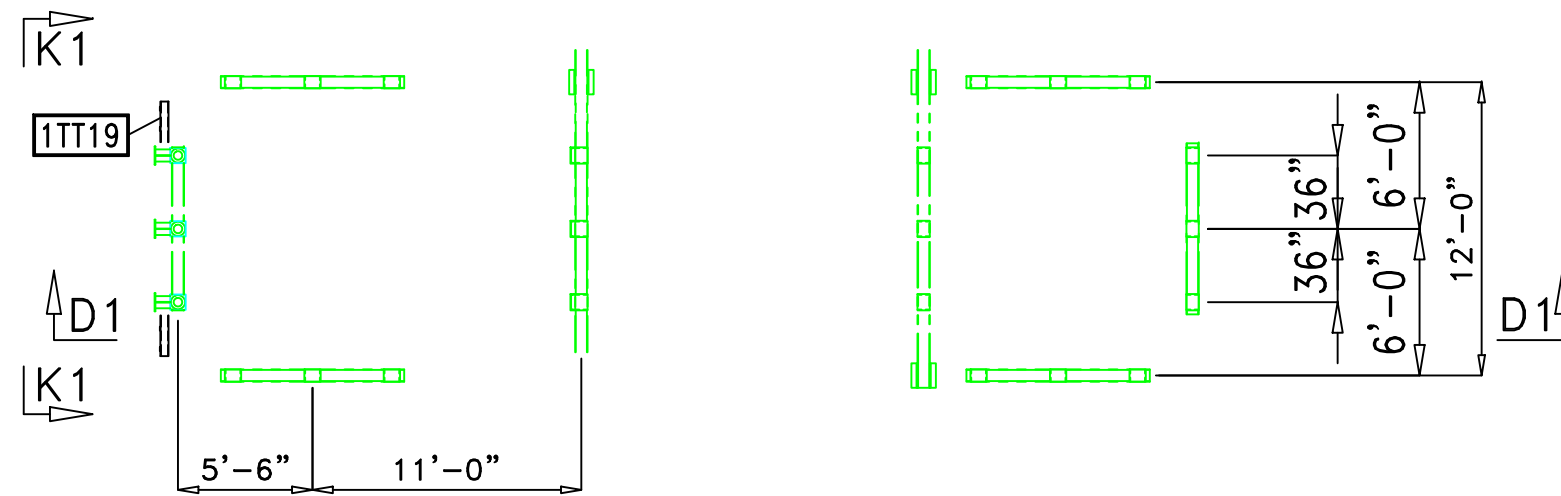
STARRATT ROAD (138/25kV) SUBSTATION

ERECTION DIAGRAMS - SECTIONS J-J thru P-P

REV	DATE	DESCRIPTION
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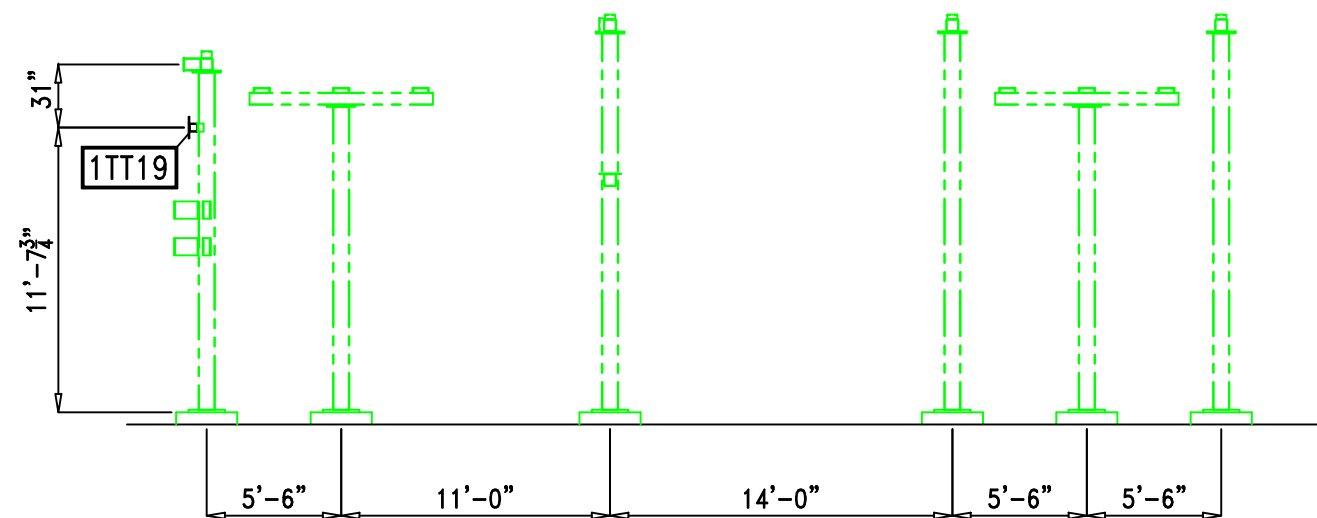
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SCALE: 1/8"=1'-0" APPROVED BY:

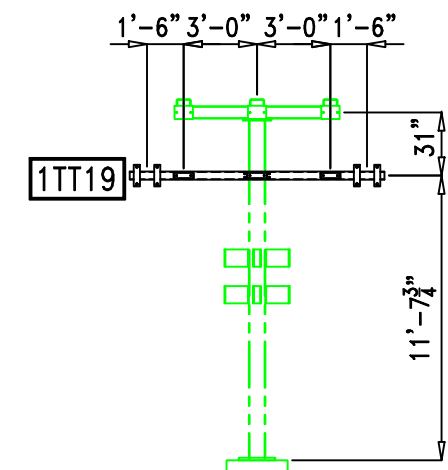


T1 CAP BANK PLAN VIEW

1TT19 REPLACES EXISTING
FUSE SUPPORT FS1



SECTION D1-D1



SECTION K1-K1

**Substation
Enterprises, Inc.**

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Alabaster, AL 35007
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JACKSONVILLE ELECTRIC AUTHORITY

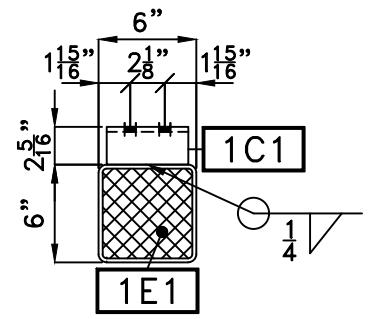
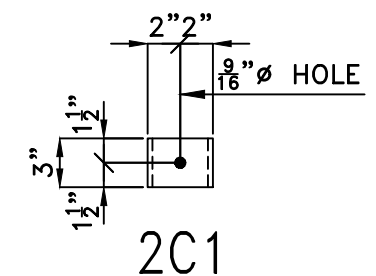
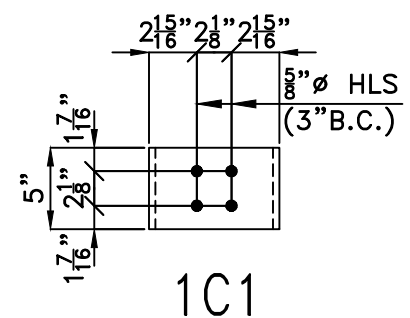
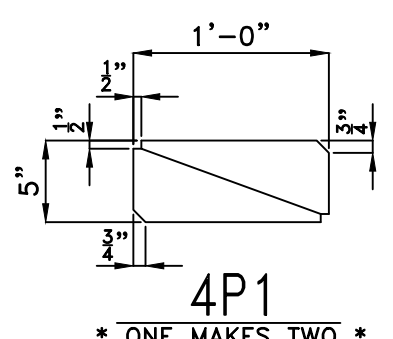
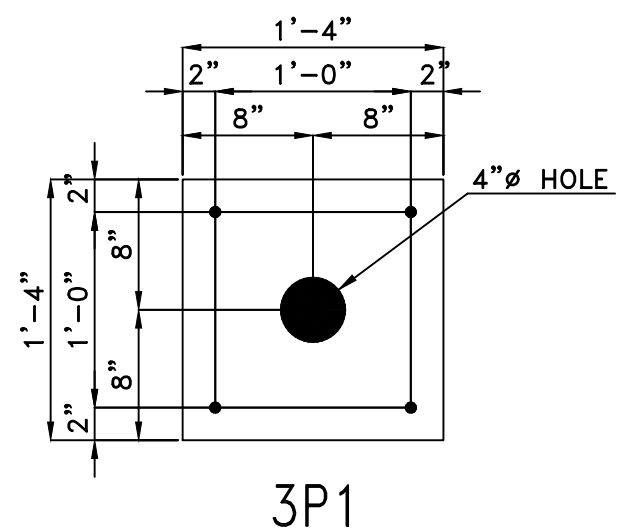
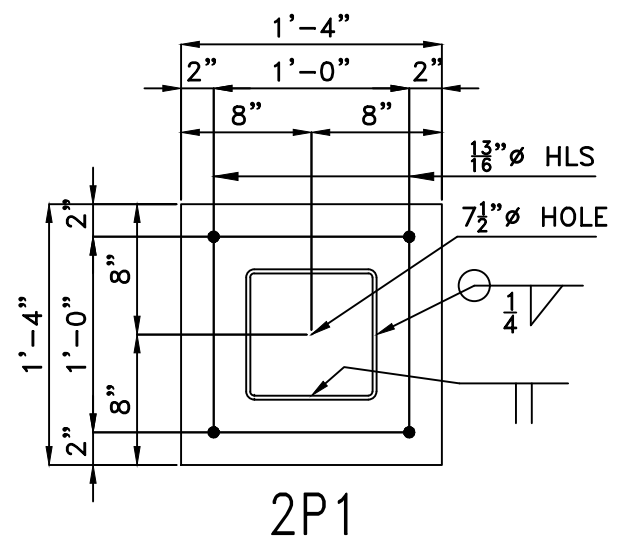
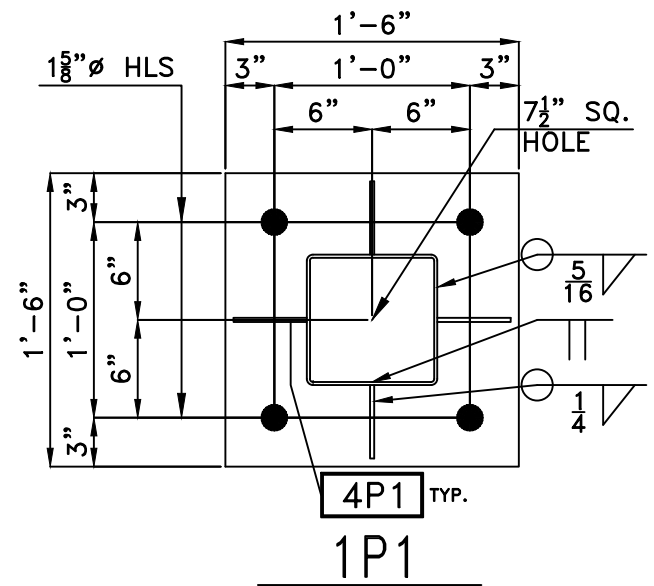
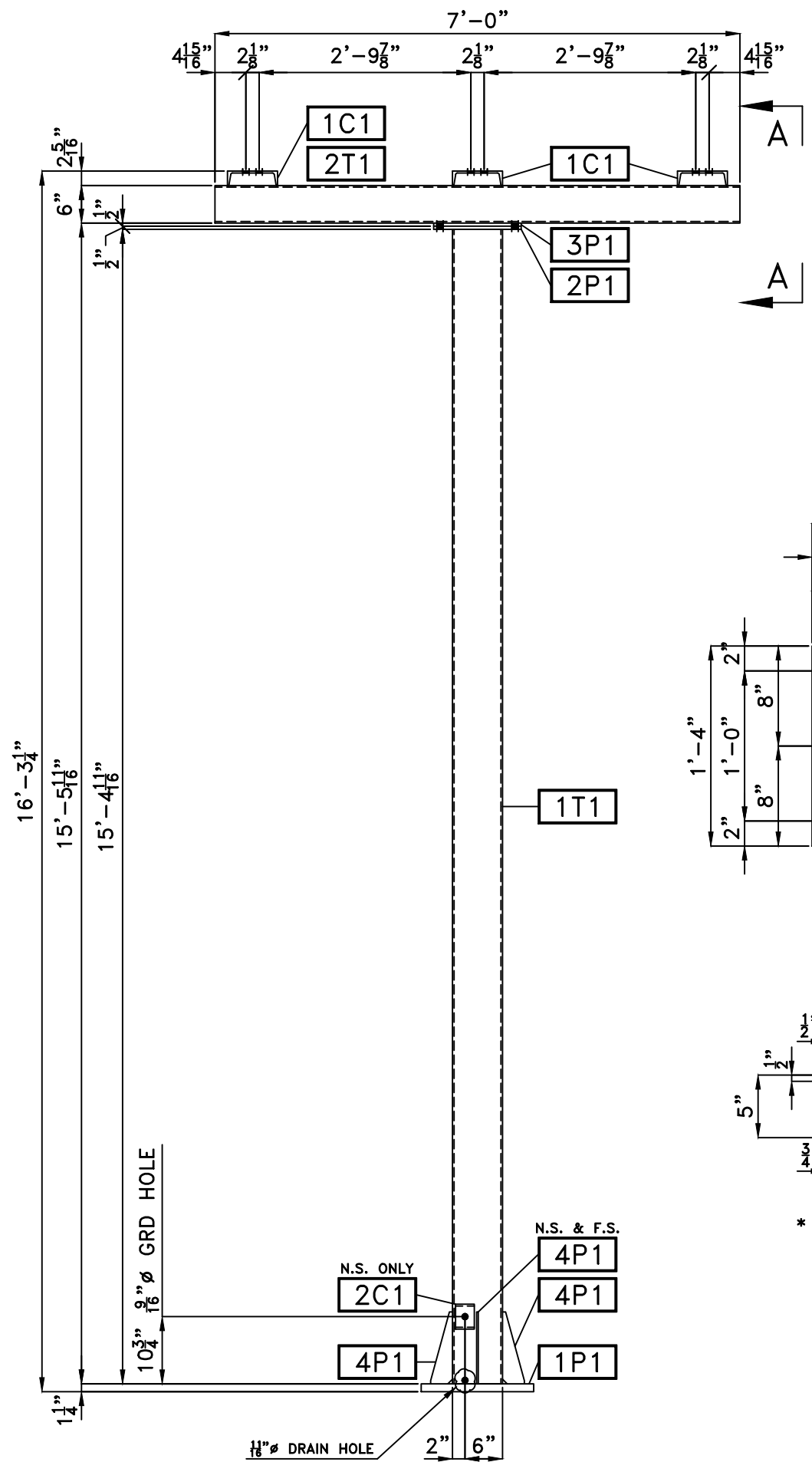
STARRATT ROAD (138/25kV) SUBSTATION

ERECTION DIAGRAMS - PLAN/SECTIONS T1

DATE: 05-01-25 DRAWN BY: LJW CHECKED BY: LJW DRAWING NUMBER:

SCALE: 1/4"=1'-0" APPROVED BY: CJ-6787-ED7

REV	DATE	DESCRIPTION
1	05-27 2025	CORRECTED DESIGN BASED ON EXISTING INFORMATION SENT.



SECTION A-A

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	FT	INCHES	WT
	(2)	FOR ONE 1BS1			
1T1	1	ST 8x8x1/4	15	4 11/16	398
2T1	1	ST 6x6x1/4	7	0	133
1P1	1	PL 1 1/4x18	1	6	115
2P1	1	PL 1/2x16	1	4	36
3P1	1	PL 1/2x16	1	4	36
4P1	2	PL 1/4x5	1	0	9
1C1	3	C 8x13.75	0	5	17
2C1	1	C 4x5.4	0	3	1
1E1	2	3/4"-#9 EXP. METAL	0	5 3/8	2
		BLACK WEIGHT			747
		GALV.			26
FIELD	4	5/8GMBW/HN,LW,FW	0	2 1/4	2
		TOTAL WEIGHT			775

A325

BUS SUPPORT STAND - 1BS1 - 2 REQ'D

- STEEL NOTES:**
1. ALL STEEL HOT-DIP GALVANIZED AFTER FABRICATION.
 2. PIECE MARK STAMPED INTO METAL WITH NOT LESS THAN 3/8" INCH CHARACTERS BEFORE GALVANIZING.
 3. ALL HOLES 11/16" FOR 5/8" BOLTS UNLESS NOTED.
 4. EDGE DISTANCE 1" UNLESS NOTED.
 5. ALL STEEL SHAPES ASTM A36 UNLESS NOTED.

Substation Enterprises, Inc.

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Alabaster, AL 35007
Phone: (205)685-2755, Fax: (205)685-2753

JACKSONVILLE ELECTRIC AUTHORITY

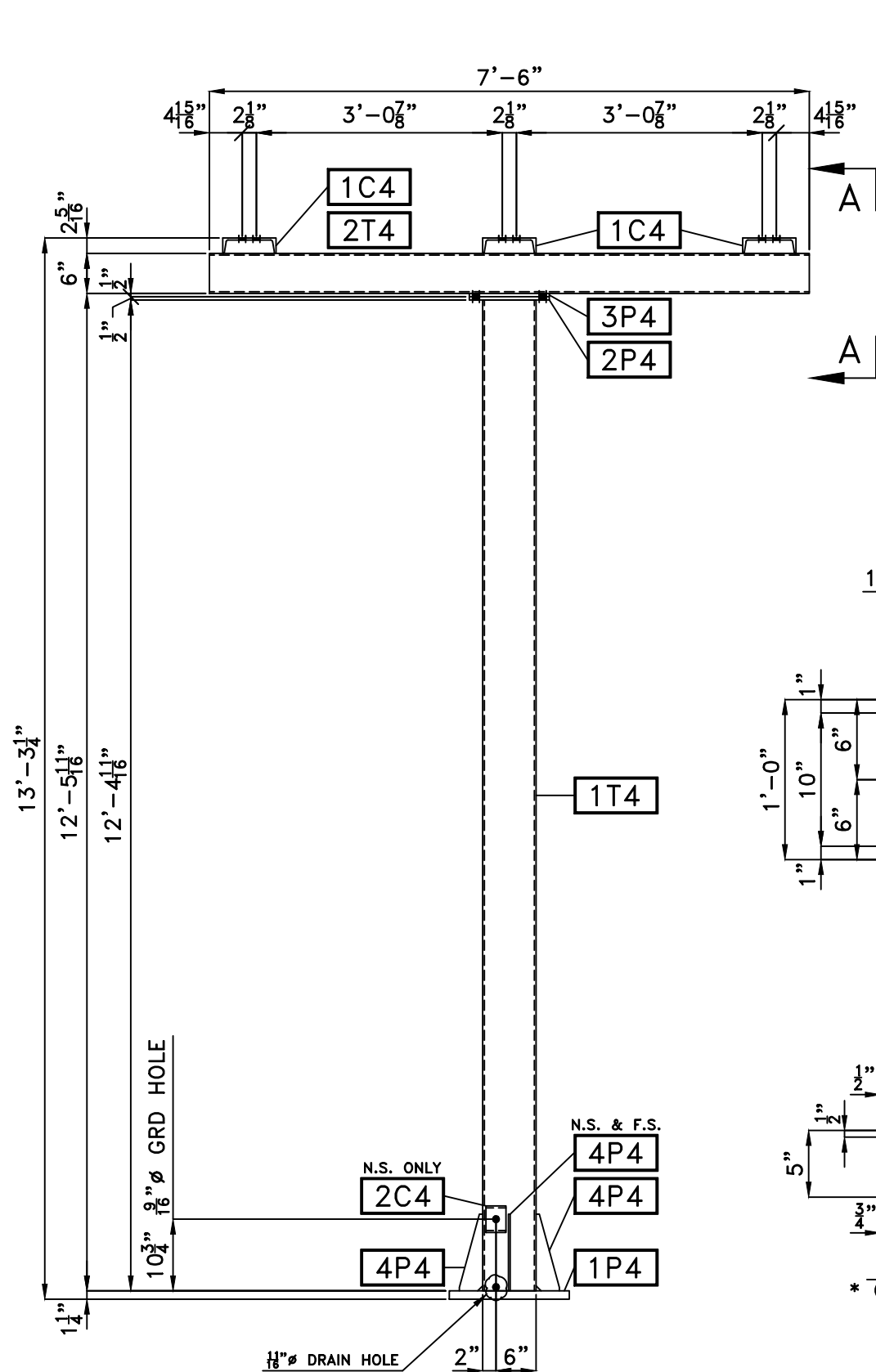
STARRATT ROAD (138/25kV) SUBSTATION

STEEL DETAILS - 3-PHASE BUS SUPPORT

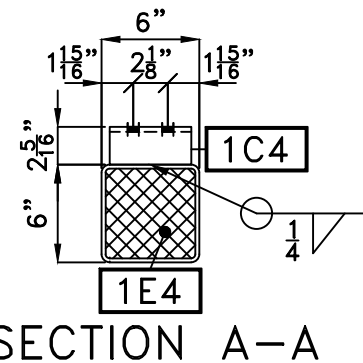
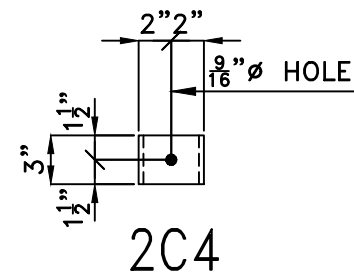
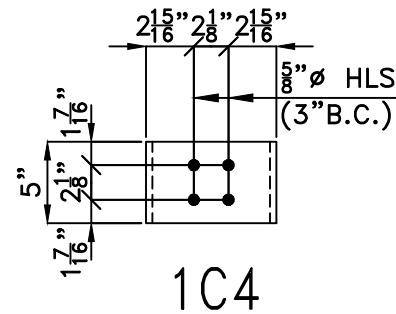
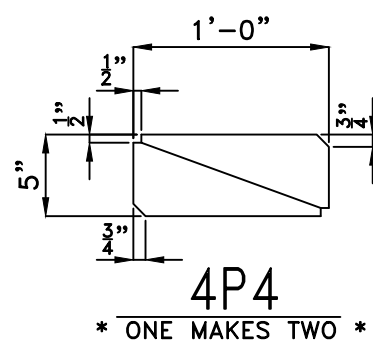
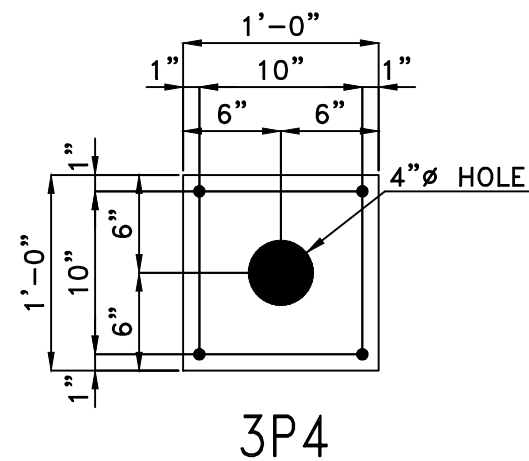
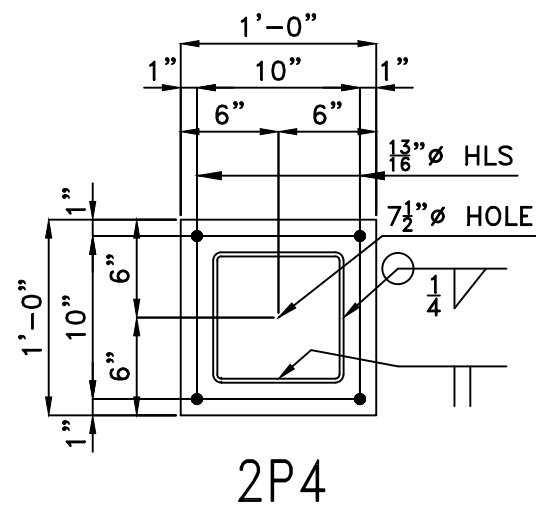
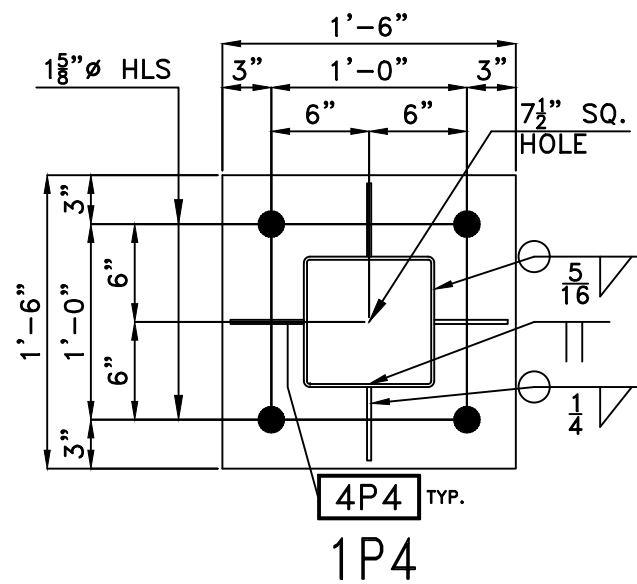
DATE: 05-01-25 DRAWN BY: LJW CHECKED BY: LJW DRAWING NUMBER: CJ-6787-SD1
SCALE: NONE APPROVED BY:

REV	DATE	DESCRIPTION

REV	DATE	DESCRIPTION



BUS SUPPORT STAND – 1BS4 – 13 REQ'D



BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	FT	INCHES	WT
	(13)	FOR ONE 1BS4			
1T4	1	ST 8x8x1/4	12	4 11/16	320
2T4	1	ST 6x6x1/4	7	6	143
1P4	1	PL 1 1/4x18	1	6	115
2P4	1	PL 1/2x12	1	0	20
3P4	1	PL 1/2x12	1	0	20
4P4	2	PL 1/4x5	1	0	9
1C4	3	C 8x13.75	0	5	17
2C4	1	C 4x5.4	0	3	1
1E4	2	3/4\"-#9 EXP. METAL	0	5 3/8	2
		BLACK WEIGHT			647
		GALV.			23
FIELD	4	5/8\"GMBW/HN,LW,FW	0	2 1/4	2
		TOTAL WEIGHT			672

STEEL NOTES:

- ALL STEEL HOT-DIP GALVANIZED AFTER FABRICATION.
- PIECE MARK STAMPED INTO METAL WITH NOT LESS THAN 3/8\" INCH CHARACTERS BEFORE GALVANIZING.
- ALL HOLES 1 1/16\" FOR 5/8\" BOLTS UNLESS NOTED.
- EDGE DISTANCE 1\" UNLESS NOTED.
- ALL STEEL SHAPES ASTM A36 UNLESS NOTED.

Substation Enterprises, Inc.

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Alabaster, AL 35007
Phone: (205)685-2755, Fax: (205)685-2753

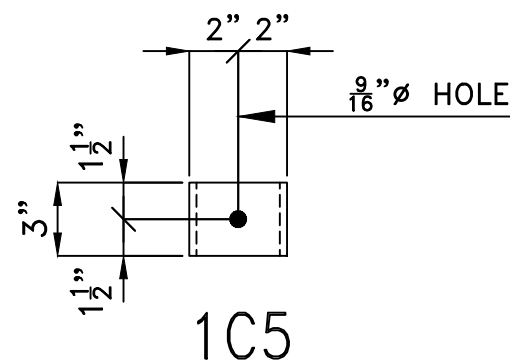
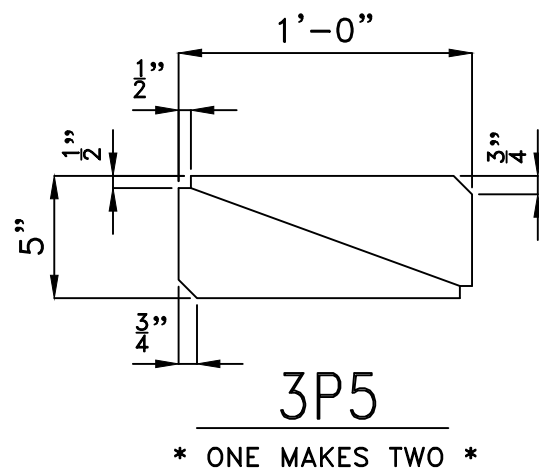
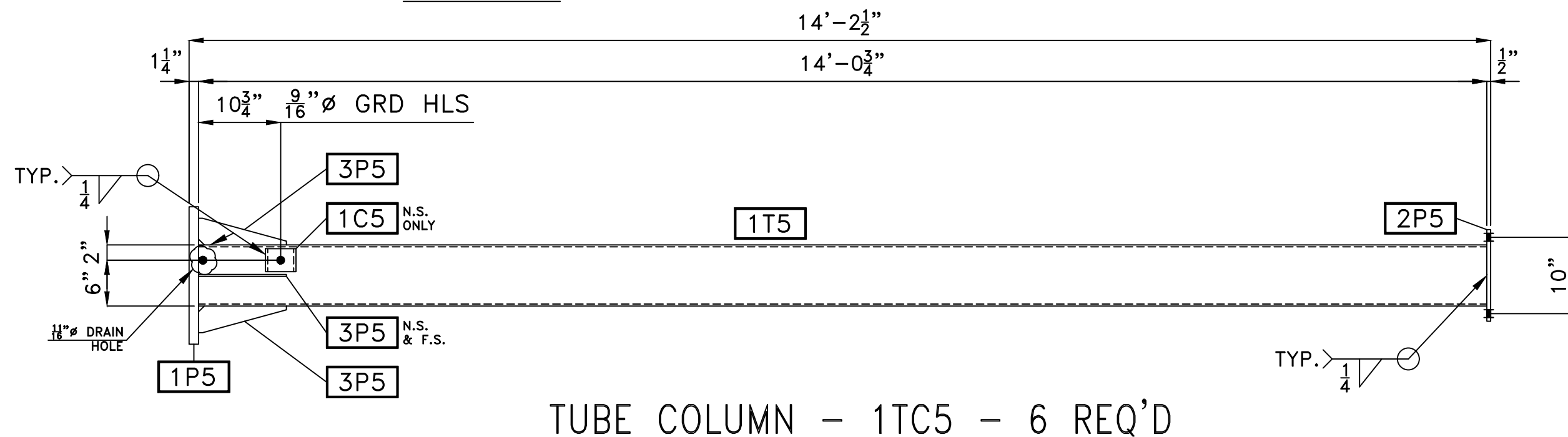
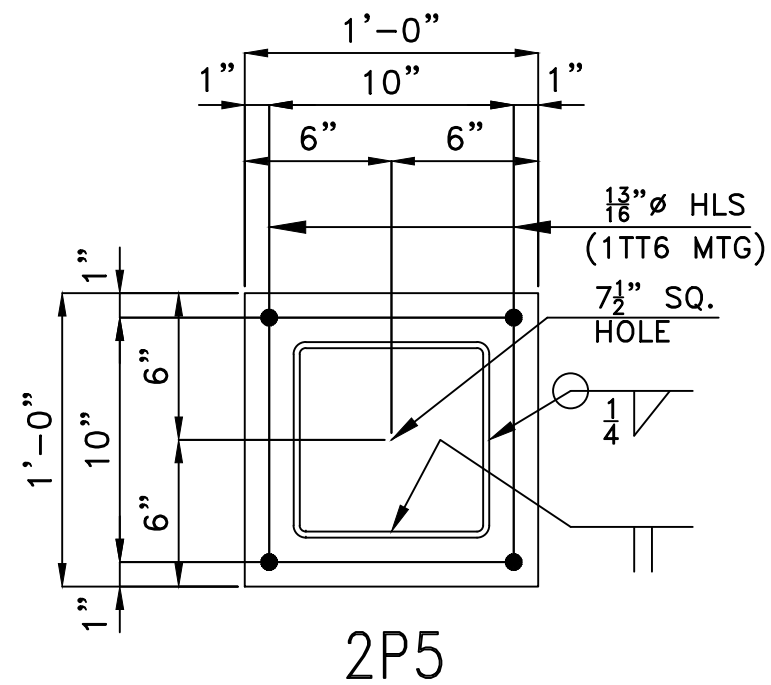
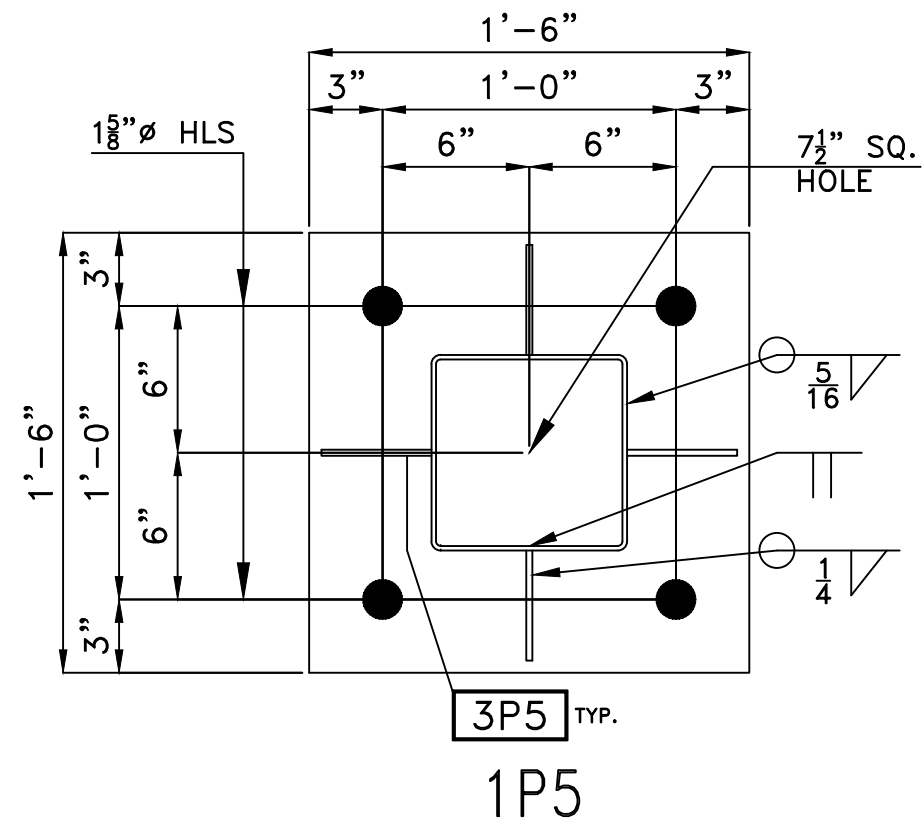
JACKSONVILLE ELECTRIC AUTHORITY

STARRATT ROAD (138/25kV) SUBSTATION

STEEL DETAILS – 3-PHASE BUS SUPPORT

DATE: 05-01-25 DRAWN BY: LJW CHECKED BY: LJW DRAWING NUMBER:
SCALE: NONE APPROVED BY: CJ-6787-SD4

REV	DATE	DESCRIPTION
1	06-02-2025	ADDED (4) BUS SUPPORTS PER CUSTOMER APPROVAL.



STEEL NOTES:

1. ALL STEEL HOT-DIP GALVANIZED AFTER FABRICATION.
2. PIECE MARK STAMPED INTO METAL WITH NOT LESS THAN 3/8" INCH CHARACTERS BEFORE GALVANIZING.
3. ALL HOLES 1 1/16" FOR 5/8" BOLTS UNLESS NOTED.
4. EDGE DISTANCE 1" UNLESS NOTED.
5. ALL STEEL SHAPES ASTM A36 UNLESS NOTED.

Substation Enterprises, Inc.

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JACKSONVILLE ELECTRIC AUTHORITY

STARRATT ROAD (138/25kV) SUBSTATION

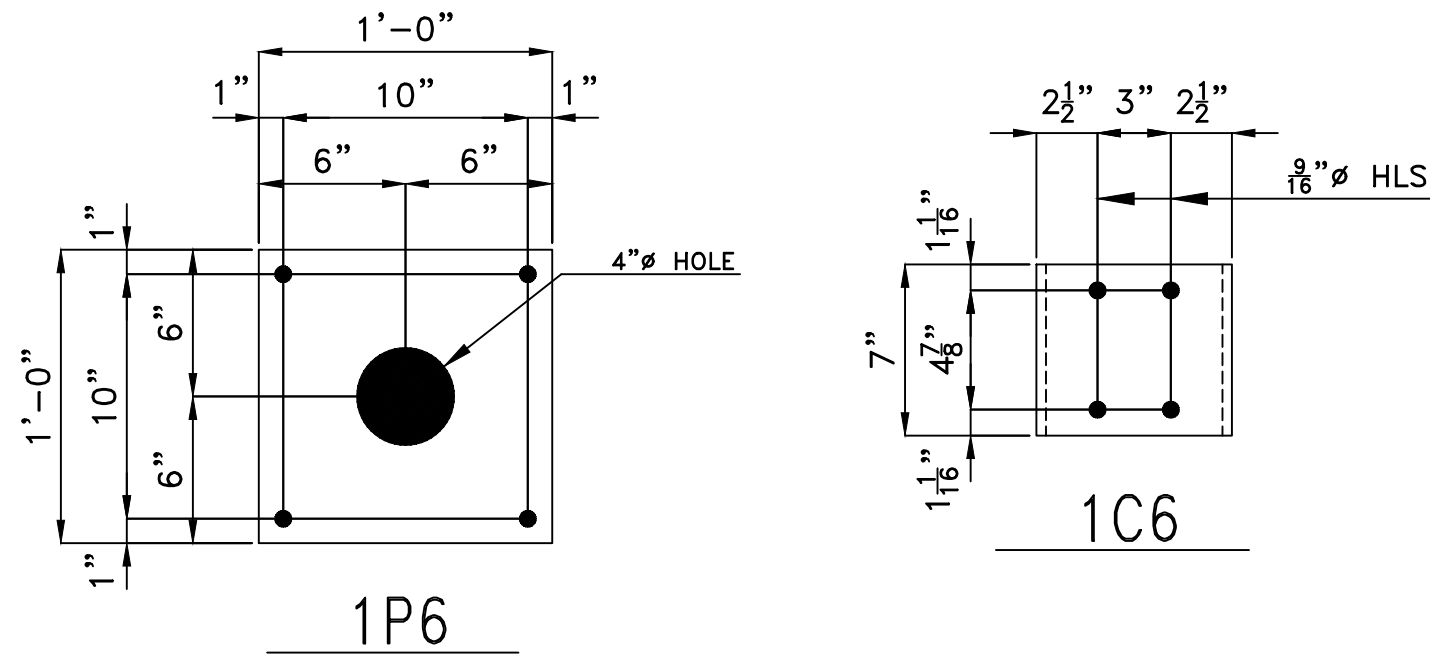
STEEL DETAILS - TUBE COLUMN

DATE: 05-01-25 DRAWN BY: LJW CHECKED BY: LJW DRAWING NUMBER: CJ-6787-SD5

SCALE: NONE

APPROVED BY:

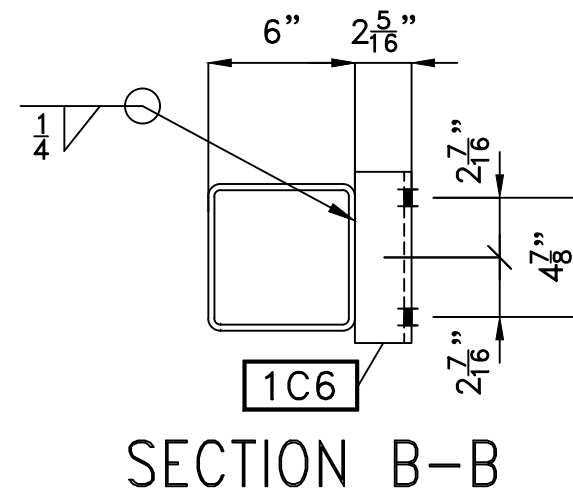
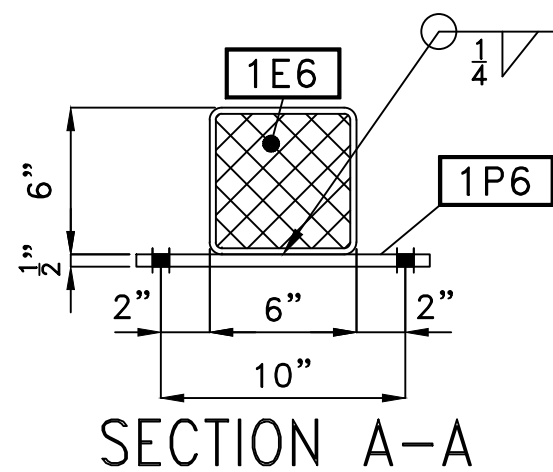
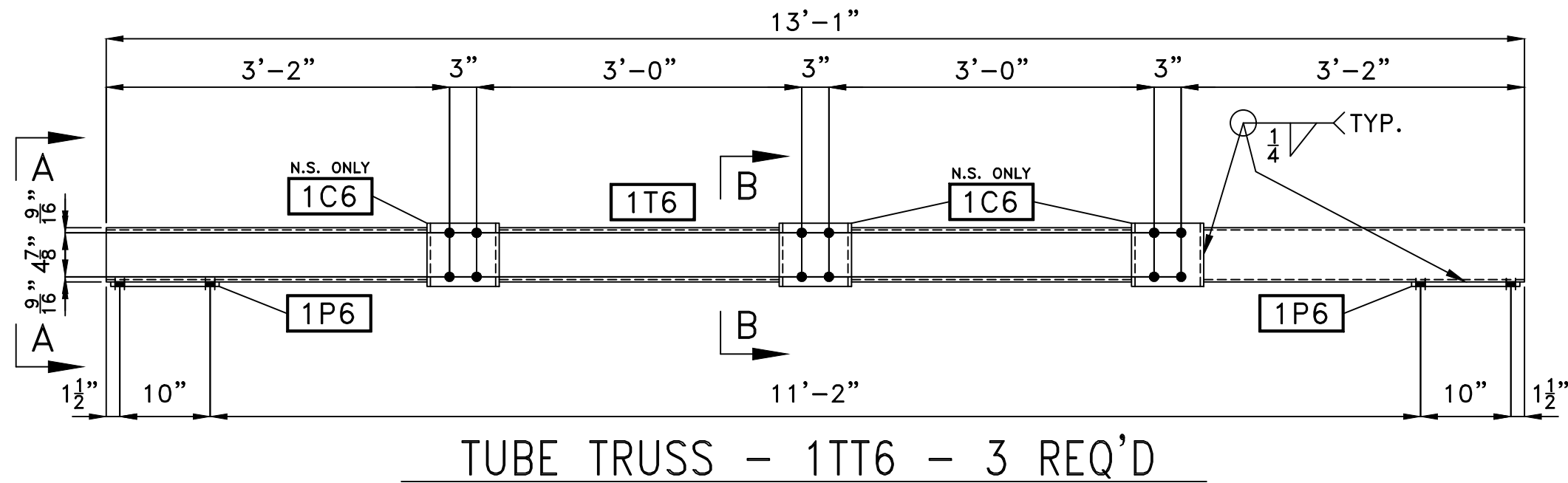
REV	DATE	DESCRIPTION



A325

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	FT	INCHES	WT
	(3)	FOR ONE 1TT6			
1T6	1	ST 6x6x1/4	13	1	249
1P6	2	PL 1/2x12	1	0	41
1C6	3	C 8x13.75	0	7	24
1E6	2	3/4"-#9 EXP. METAL	0	5 3/8	2
		BLACK WEIGHT			316
		GALV.			11
FIELD	8	5/8GMBW/HN,LW,FW	0	2 1/4	4
		TOTAL WEIGHT			331



STEEL NOTES:

- ALL STEEL HOT-DIP GALVANIZED AFTER FABRICATION.
- PIECE MARK STAMPED INTO METAL WITH NOT LESS THAN 3/8" INCH CHARACTERS BEFORE GALVANIZING.
- ALL HOLES 11/16" FOR 5/8" BOLTS UNLESS NOTED.
- EDGE DISTANCE 1" UNLESS NOTED.
- ALL STEEL SHAPES ASTM A36 UNLESS NOTED.

Substation Enterprises, Inc.

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JACKSONVILLE ELECTRIC AUTHORITY

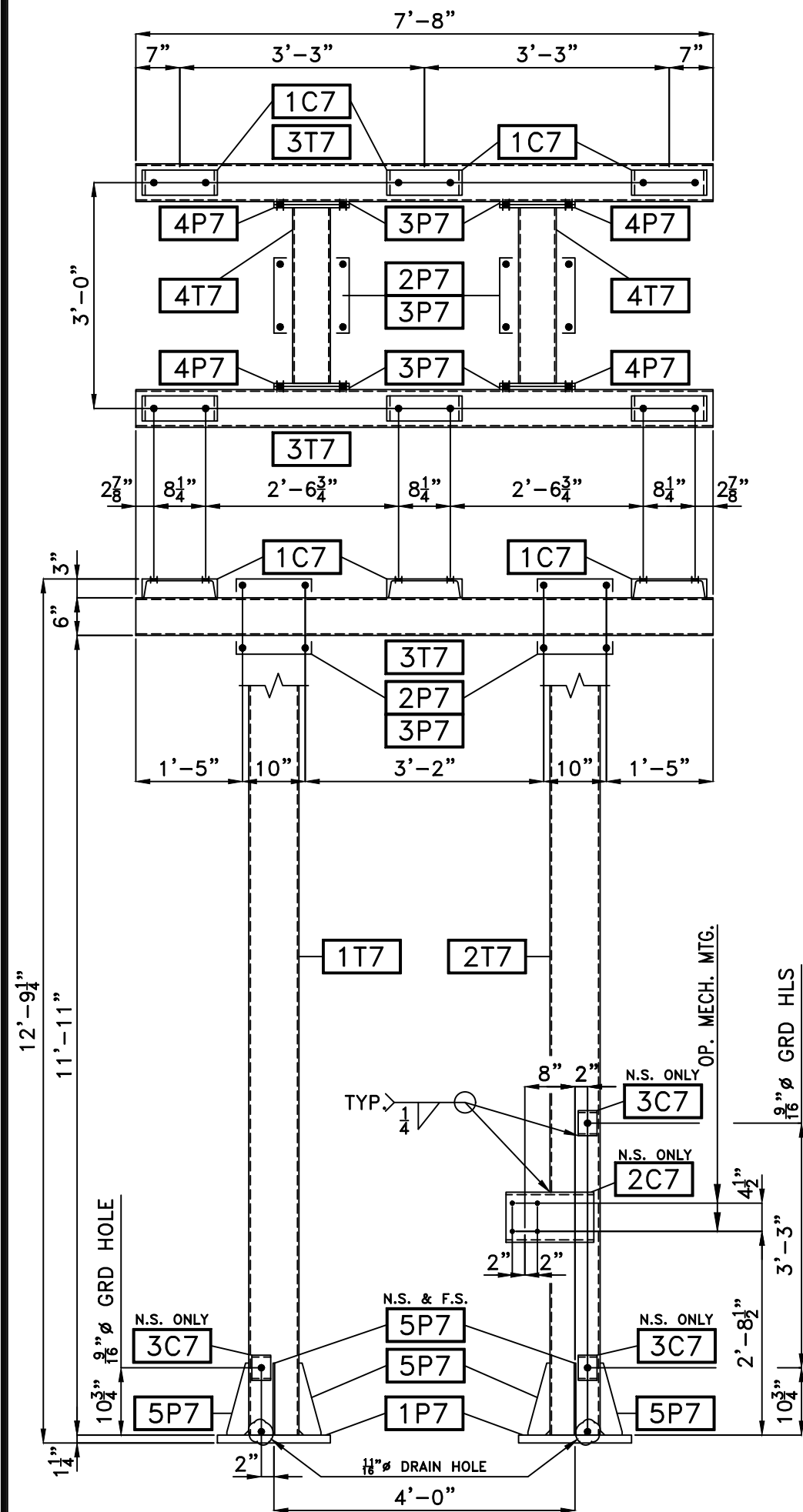
STARRATT ROAD (138/25kV) SUBSTATION

STEEL DETAILS - TUBE TRUSS

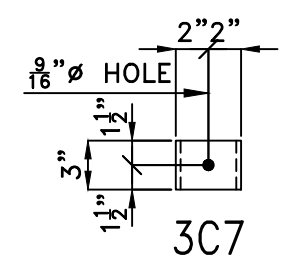
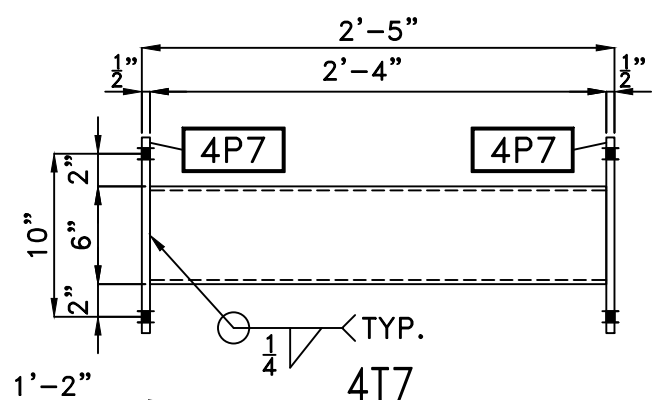
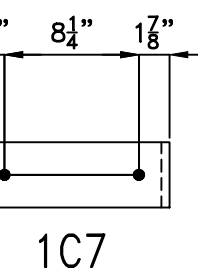
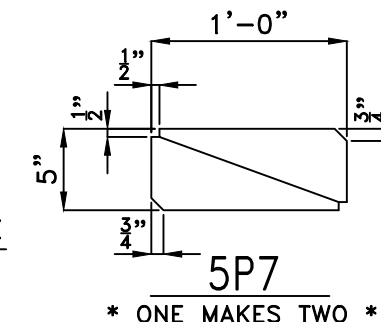
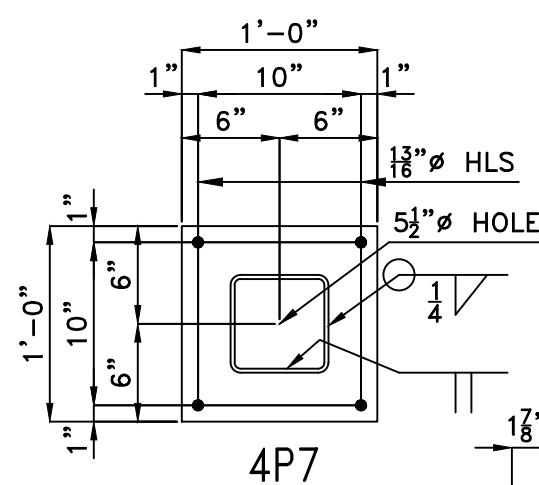
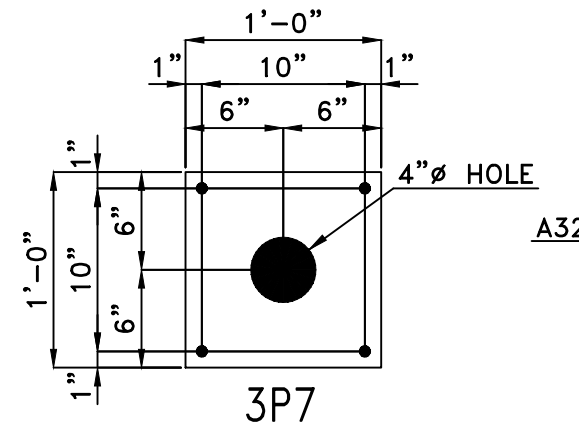
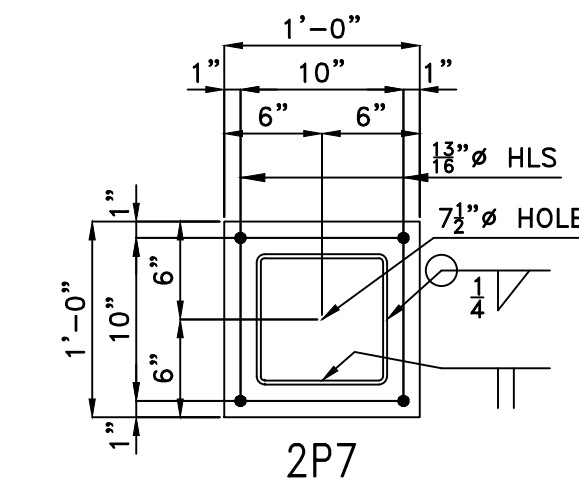
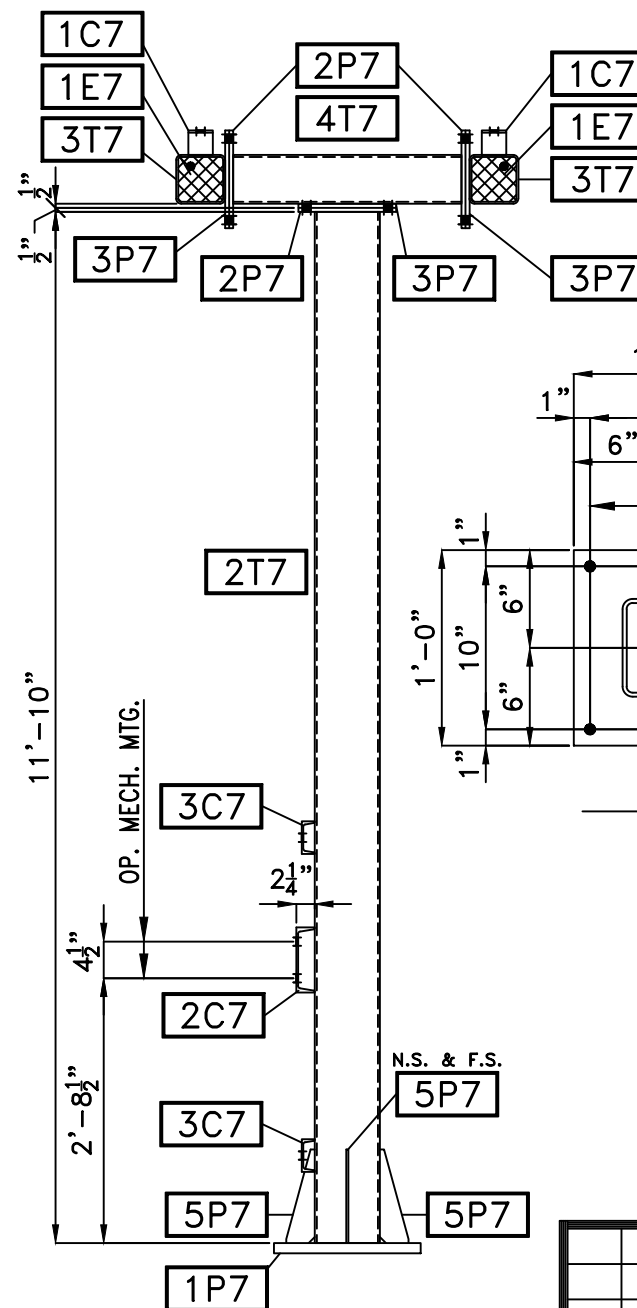
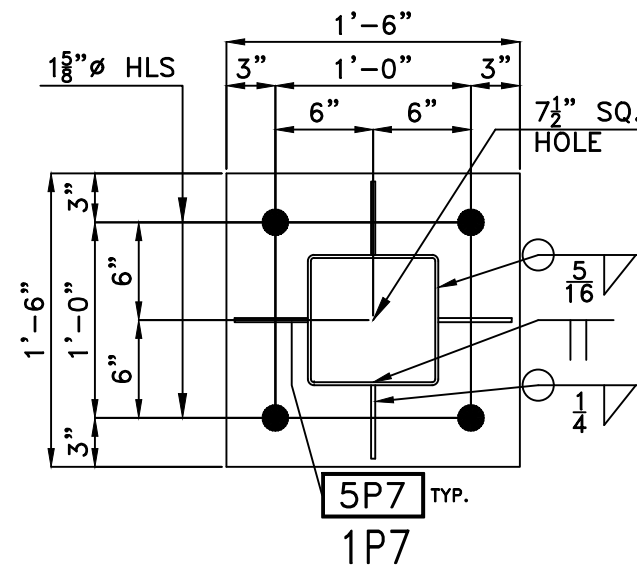
DATE: 05-01-25 DRAWN BY: LJW CHECKED BY: LJW DRAWING NUMBER:

SCALE: NONE APPROVED BY: CJ-6787-SD6

REV	DATE	DESCRIPTION



SWITCH STAND - 1SS7 - 1 REQ'D



- STEEL NOTES:**
1. ALL STEEL HOT-DIP GALVANIZED AFTER FABRICATION.
 2. PIECE MARK STAMPED INTO METAL WITH NOT LESS THAN 3/8" INCH CHARACTERS BEFORE GALVANIZING.
 3. ALL HOLES 11/16" FOR 5/8" BOLTS UNLESS NOTED.
 4. EDGE DISTANCE 1" UNLESS NOTED.
 5. ALL STEEL SHAPES ASTM A36 UNLESS NOTED.

Substation Enterprises, Inc.

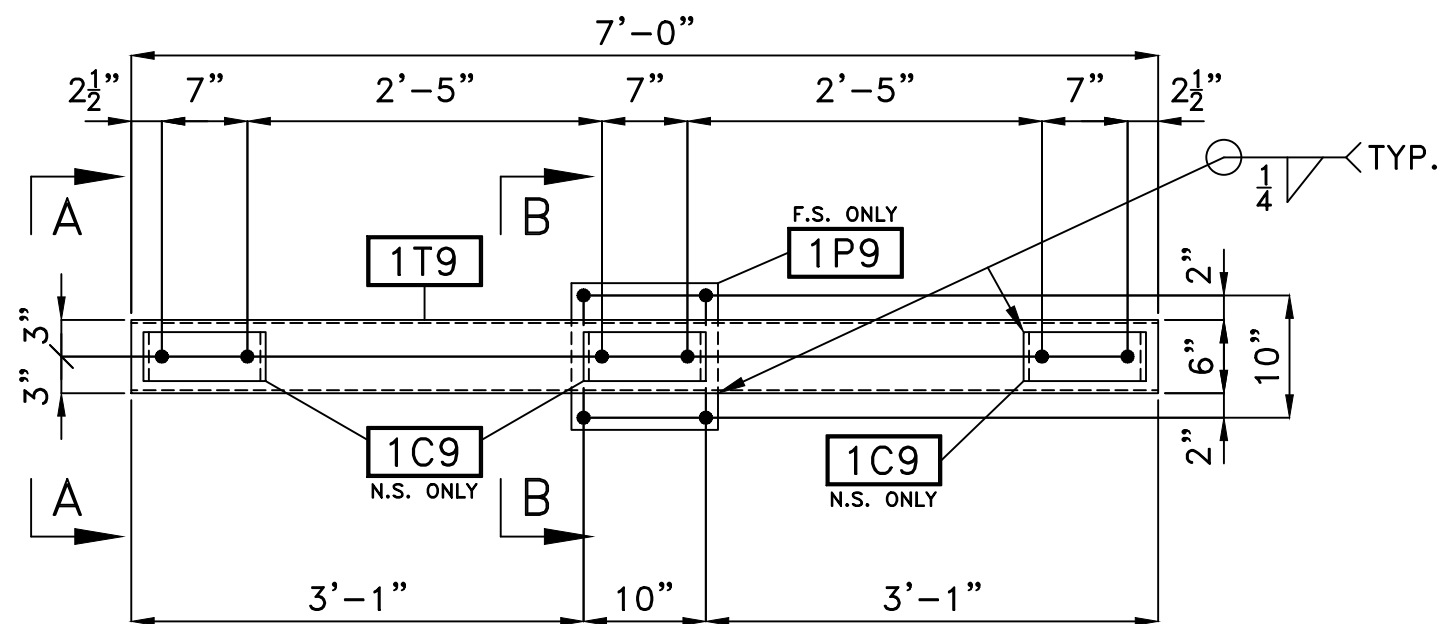
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Alabaster, AL 35007
Phone: (205)685-2755, Fax: (205)685-2753

JACKSONVILLE ELECTRIC AUTHORITY
STARRATT ROAD (138/25kV) SUBSTATION

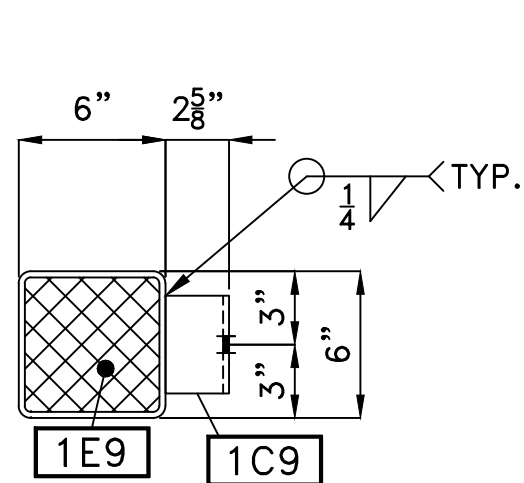
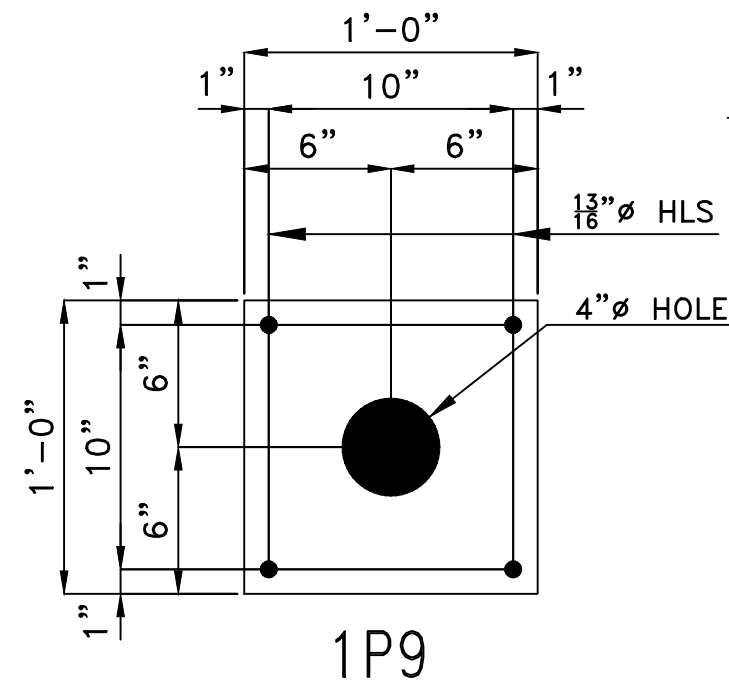
STEEL DETAILS - SWITCH STAND

DATE: 05-01-25 DRAWN BY: LJW CHECKED BY: LJW DRAWING NUMBER: CJ-6787-SD7
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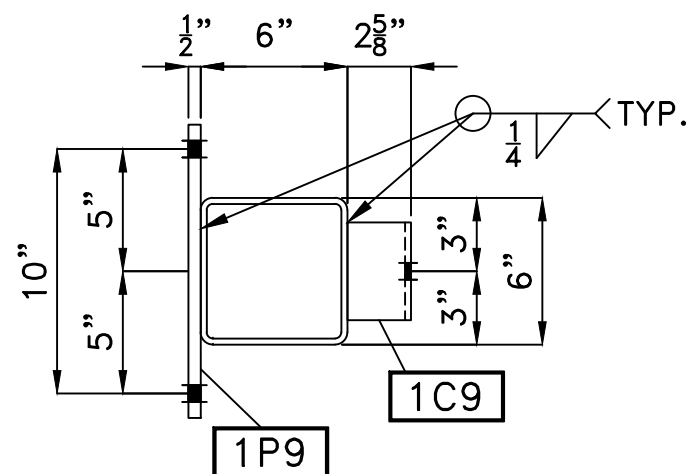
ITEM	QTY	DESCRIPTION	FT	INCHES	WT
	(1)	FOR ONE 1SS7			
1T7	1	ST 8x8x1/4	11	10	306
2T7	1	ST 8x8x1/4	11	10	306
3T7	2	ST 6x6x1/4	7	8	292
4T7	2	ST 6x6x1/4	2	4	89
1P7	2	PL 1 1/2x18	1	6	230
2P7	2	PL 1 1/2x12	1	0	41
3P7	6	PL 1 1/2x12	1	0	122
4P7	4	PL 1 1/2x12	1	0	82
5P7	4	PL 1 1/2x5	1	0	17
1C7	6	C 12x20.7	0	4	41
2C7	1	C 8x11.5	1	2	13
3C7	3	C 4x5.4	0	3	4
1E7	4	3/4"-#9 EXP. METAL	0	7 3/8	5
		BLACK WEIGHT			1548
		GALV.			54
FIELD	24	5/8" GMBW/HN,LW,FW	0	2 1/4	11
		TOTAL WEIGHT			1613



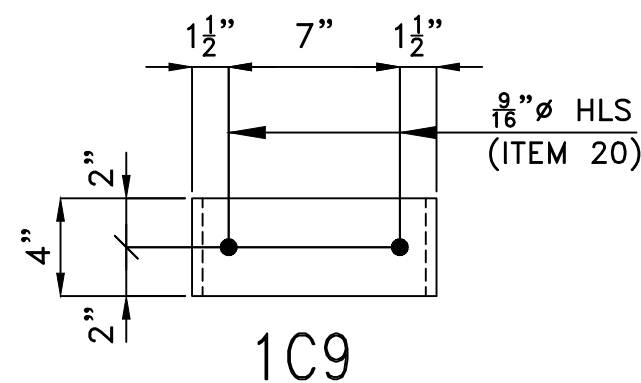
TUBE TRUSS - 1TT9 - 2 REQ'D



SECTION A-A



SECTION B-B



A325

BILL OF MATERIAL					
ITEM	QTY	DESCRIPTION	FT	INCHES	WT
	(2)	FOR ONE 1TT9			
1T9	1	ST 6x6x1/4	7	0	133
1P9	1	PL 1/2x12	1	0	20
1C9	3	C 10x15.3	0	4	15
1E9	2	3/4"-#9 EXP. METAL	0	5 3/8	2
		BLACK WEIGHT			170
		GALV.			6
FIELD	4	5/8" GMBW/HN,LW,FW	0	2 1/4	2
		TOTAL WEIGHT			178

STEEL NOTES:

- ALL STEEL HOT-DIP GALVANIZED AFTER FABRICATION.
- PIECE MARK STAMPED INTO METAL WITH NOT LESS THAN 3/8" INCH CHARACTERS BEFORE GALVANIZING.
- ALL HOLES 11/16" FOR 5/8" BOLTS UNLESS NOTED.
- EDGE DISTANCE 1" UNLESS NOTED.
- ALL STEEL SHAPES ASTM A36 UNLESS NOTED.

Substation Enterprises, Inc.

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JACKSONVILLE ELECTRIC AUTHORITY

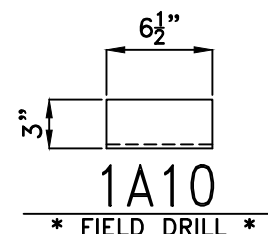
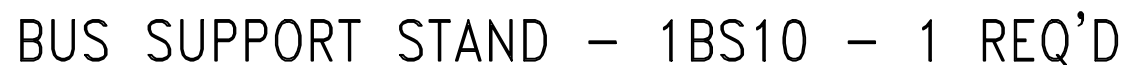
STARRATT ROAD (138/25kV) SUBSTATION

STEEL DETAILS - FUSE TUBE TRUSS

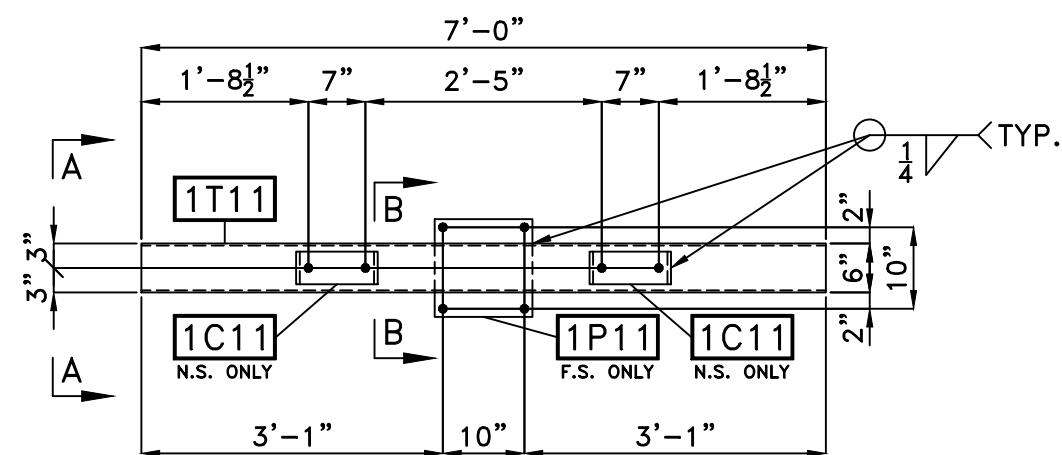
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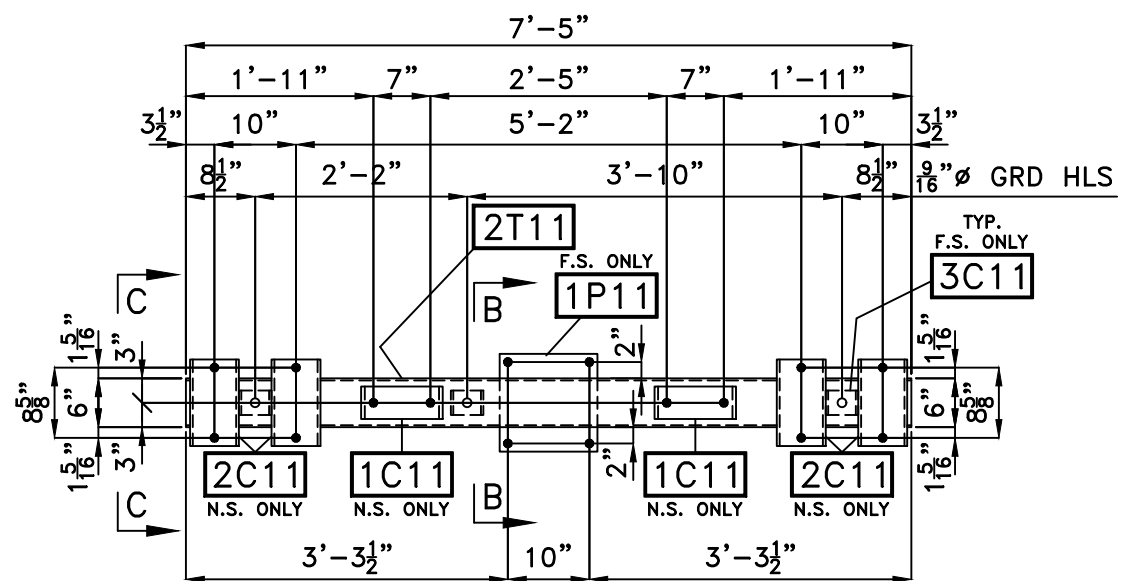
REV	DATE	DESCRIPTION



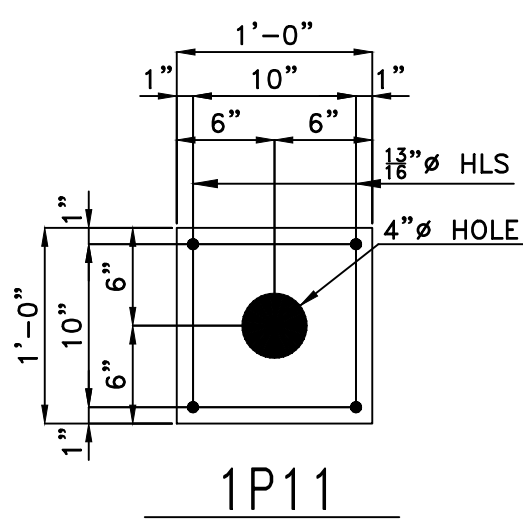
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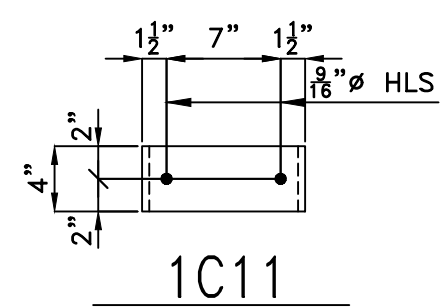
TUBE TRUSS - 1TT11 - 1 REQ'D



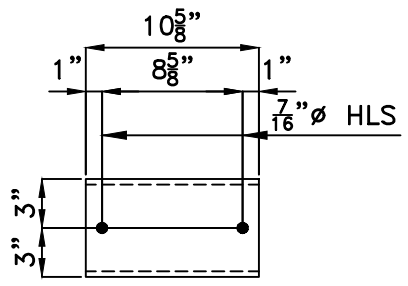
TUBE TRUSS - 2TT11 - 1 REQ'D



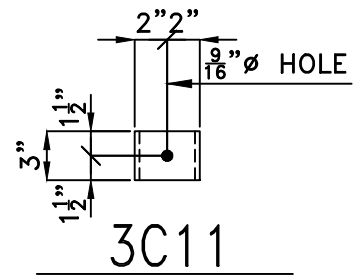
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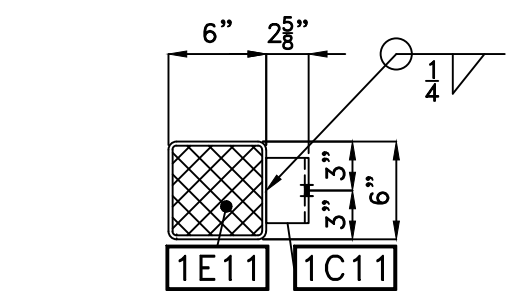
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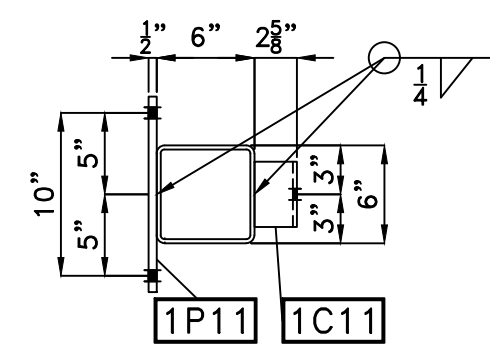
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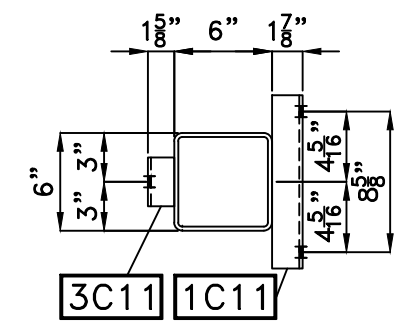
3C11



SECTION A-A



SECTION B-B



SECTION C-C

A325

A325

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	FT	INCHES	WT
	(1)	FOR ONE 1TT11			
1TT11	1	ST 6x6x1/4	7	0	133
1P11	1	PL 1/2x12	1	0	20
1C11	2	C 10x15.3	0	4	10
1E11	2	3/4"-#9 EXP. METAL	0	5 3/8	2
		BLACK WEIGHT			165
		GALV.			6
FIELD	4	5/8GMBW/HN,LW,FW	0	2 1/4	2
		TOTAL WEIGHT			173
	(1)	FOR ONE 2TT11			
2TT11	1	ST 6x6x1/4	7	5	141
1P11	1	PL 1/2x12	1	0	20
1C11	2	C 10x15.3	0	4	10
2C11	4	C 6x8.2	0	10 5/8	29
3C11	3	C 4x5.4	0	3	4
1E11	2	3/4"-#9 EXP. METAL	0	5 3/8	2
		BLACK WEIGHT			206
		GALV.			6
FIELD	4	5/8GMBW/HN,LW,FW	0	2 1/4	2
		TOTAL WEIGHT			214

- STEEL NOTES:
1. ALL STEEL HOT-DIP GALVANIZED AFTER FABRICATION.
 2. PIECE MARK STAMPED INTO METAL WITH NOT LESS THAN 3/8" INCH CHARACTERS BEFORE GALVANIZING.
 3. ALL HOLES 11/16" FOR 5/8" BOLTS UNLESS NOTED.
 4. EDGE DISTANCE 1" UNLESS NOTED.
 5. ALL STEEL SHAPES ASTM A36 UNLESS NOTED.

Substation Enterprises, Inc.

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JACKSONVILLE ELECTRIC AUTHORITY

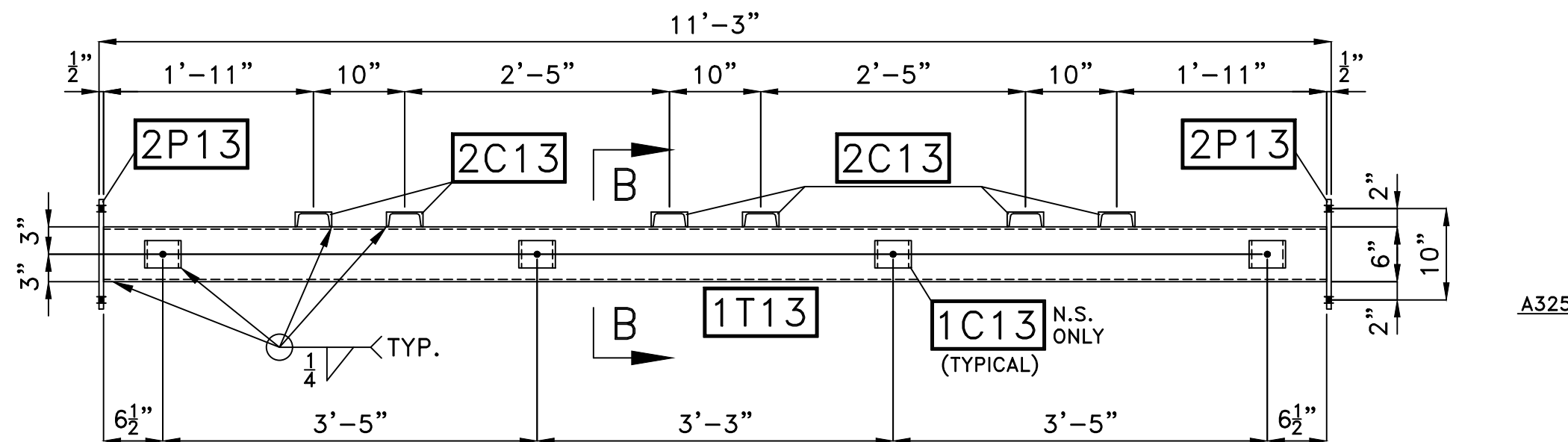
STARRATT ROAD (138/25kV) SUBSTATION

STEEL DETAILS - FUSE & C.T. TUBE TRUSSES

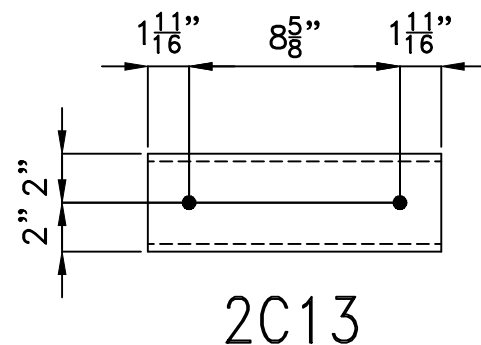
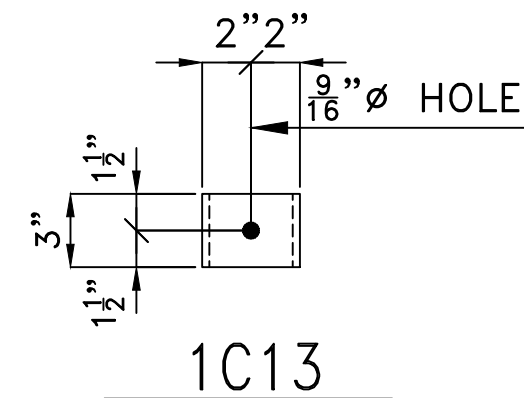
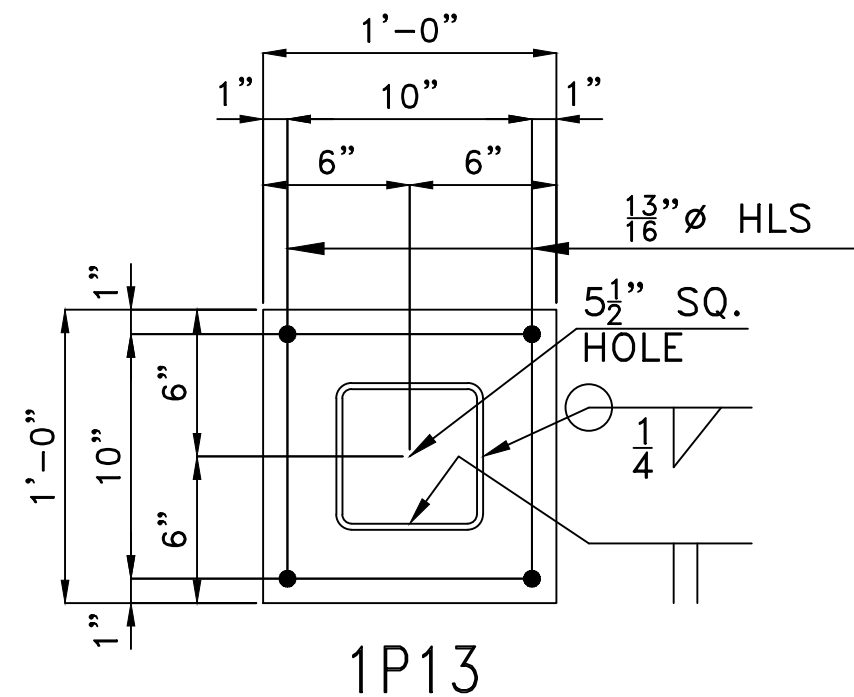
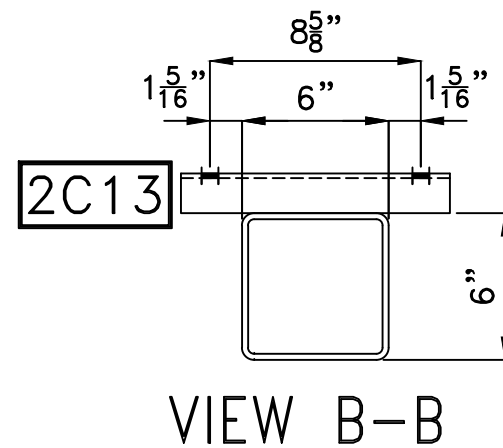
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SCALE: NONE	APPROVED BY:		CJ-6787-SD11

REV	DATE	DESCRIPTION

[illegible]



TUBE TRUSS - 1TT13 - 1 REQ'D



- STEEL NOTES:**
1. ALL STEEL HOT-DIP GALVANIZED AFTER FABRICATION.
 2. PIECE MARK STAMPED INTO METAL WITH NOT LESS THAN 3/8" INCH CHARACTERS BEFORE GALVANIZING.
 3. ALL HOLES 1 1/16" FOR 5/8" BOLTS UNLESS NOTED.
 4. EDGE DISTANCE 1" UNLESS NOTED.
 5. ALL STEEL SHAPES ASTM A36 UNLESS NOTED.

REV	DATE	DESCRIPTION

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	FT	INCHES	WT
	(1)	FOR ONE 1TT13			
1T13	1	ST 6x6x1/4	11	2	212
1P13	2	PL 1/2x12	1	0	41
1C13	4	C 4x5.4	0	3	5
2C13	6	C 4x5.4	1	0	32
1E13	2	3/4"-#9 EXP. METAL	0	5 3/8	2
		BLACK WEIGHT			292
		GALV.			10
FIELD	8	5/8GMBW/HN,LW,FW	0	2 1/4	4
		TOTAL WEIGHT			306

Substation Enterprises, Inc.

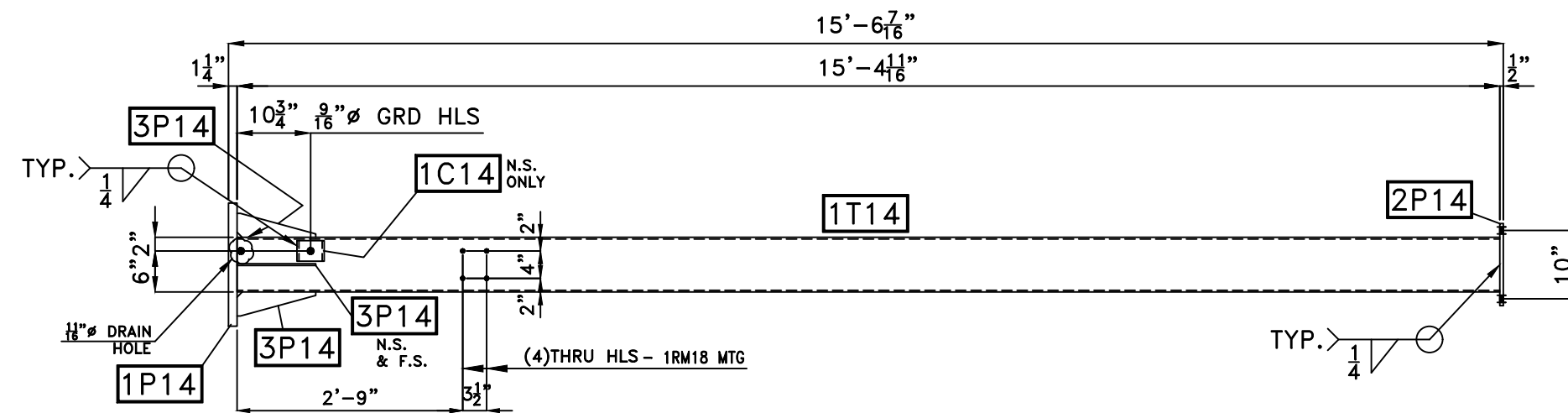
145 Commercial Court, P.O. Box 2010
Alabaster, AL 35007
Phone: (205)685-2755, Fax: (205)685-2753

JACKSONVILLE ELECTRIC AUTHORITY

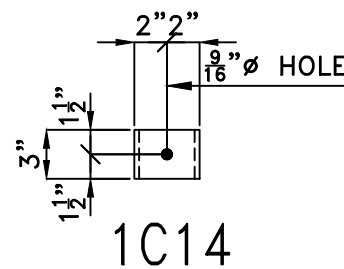
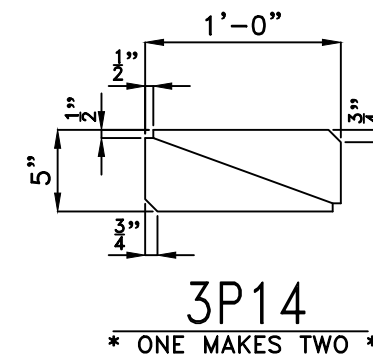
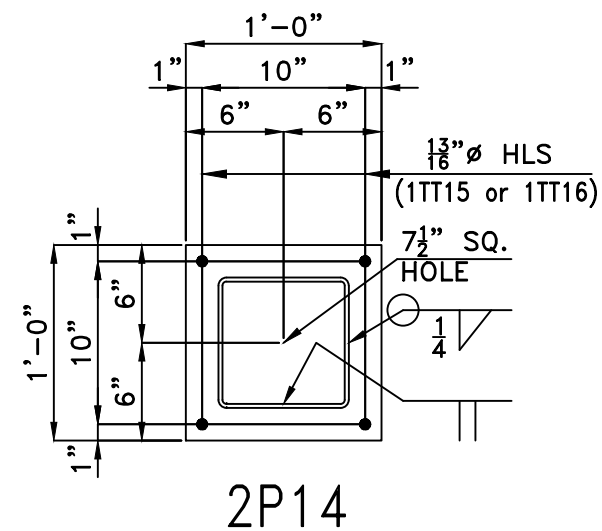
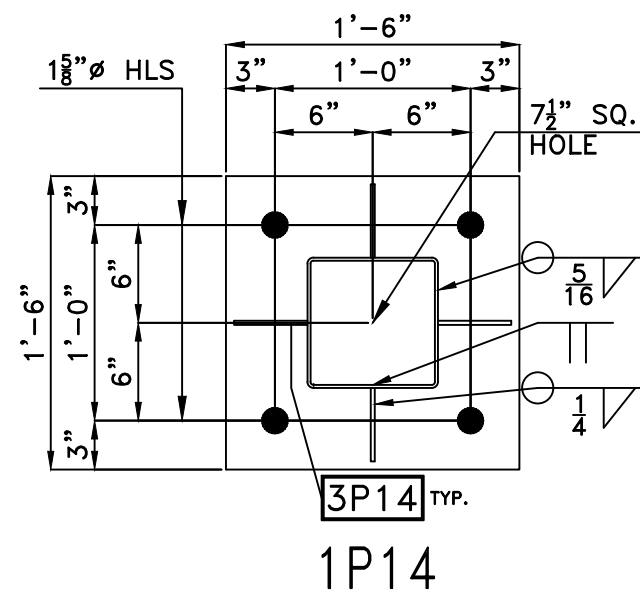
STARRATT ROAD (138/25kV) SUBSTATION

STEEL DETAILS - TUBE TRUSS

DATE: 05-02-25 DRAWN BY: LJW CHECKED BY: LJW DRAWING NUMBER: CJ-6787-SD13
SCALE: NONE APPROVED BY:



TUBE COLUMN - 1TC14 - 8 REQ'D



STEEL NOTES:

1. ALL STEEL HOT-DIP GALVANIZED AFTER FABRICATION.
2. PIECE MARK STAMPED INTO METAL WITH NOT LESS THAN 3/8" INCH CHARACTERS BEFORE GALVANIZING.
3. ALL HOLES $\frac{11}{16}$ " FOR $\frac{5}{8}$ " BOLTS UNLESS NOTED.
4. EDGE DISTANCE 1" UNLESS NOTED.
5. ALL STEEL SHAPES ASTM A36 UNLESS NOTED.

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	FT	INCHES	WT
	(8)	FOR ONE 1TC14			
1T14	1	ST 8x8x1/4	15	4 11/16	397
1P14	1	PL 1 $\frac{1}{4}$ x18	1	6	115
2P14	1	PL $\frac{1}{2}$ x12	1	0	20
3P14	2	PL $\frac{1}{4}$ x5	1	0	9
1C14	1	C 4x5.4	0	3	1
		BLACK WEIGHT			542
		GALV.			19
		TOTAL WEIGHT			561

Substation Enterprises, Inc.

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JACKSONVILLE ELECTRIC AUTHORITY

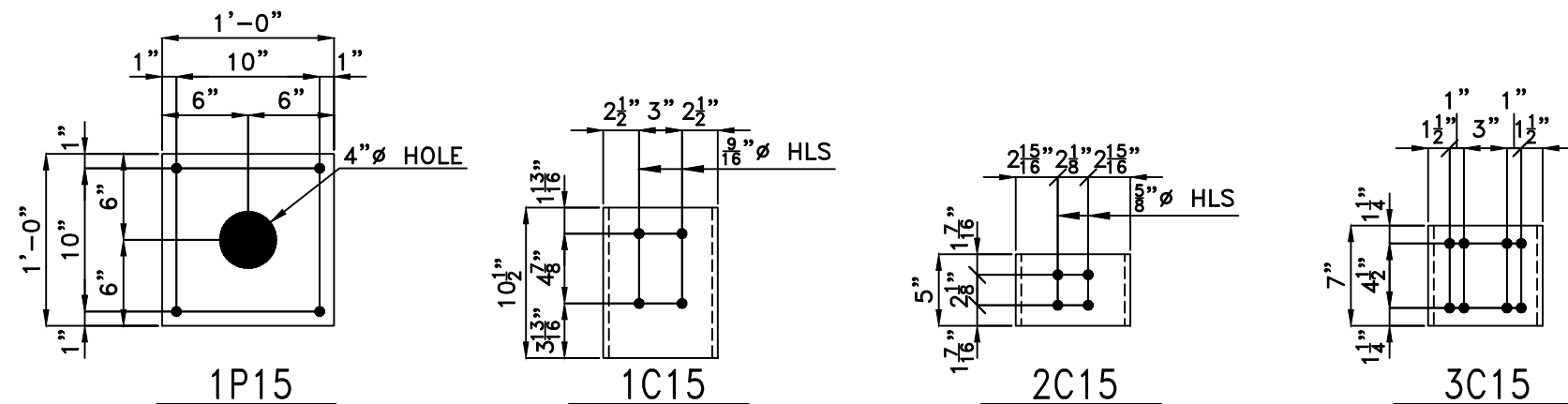
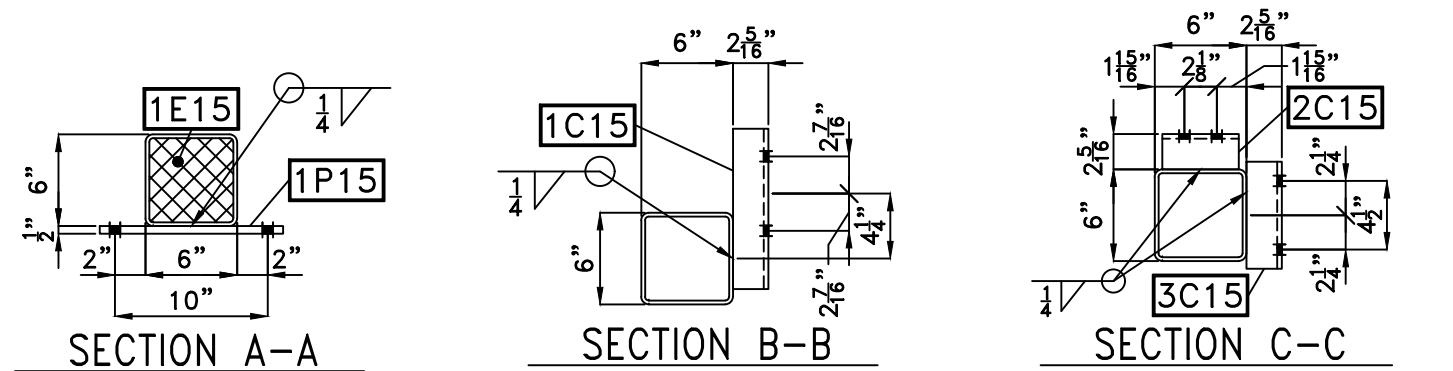
STARRATT ROAD (138/25kV) SUBSTATION

STEEL DETAILS - TUBE COLUMN

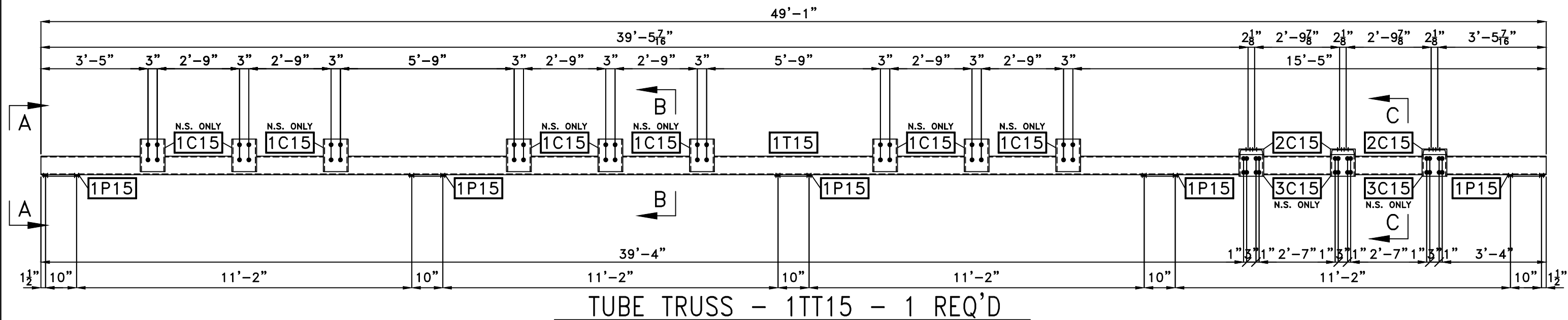
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SCALE: NONE APPROVED BY: CJ-6769-SD14

REV	DATE	DESCRIPTION



BILL OF MATERIAL					
ITEM	QTY	DESCRIPTION	FT	INCHES	WT
	(1)	FOR ONE 1TT15			
1T15	1	ST 6x6x1/4	49	1	934
1P15	5	PL 1/2x12	1	0	102
1C15	9	C 8x13.75	0	10 1/2	108
2C15	3	C 8x13.75	0	5	17
3C15	3	C 8x13.75	0	7	24
1E15	2	3/4"-#9 EXP. METAL	0	5 3/8	2
		BLACK WEIGHT			1187
		GALV.			42
FIELD	20	5/8 GMBW/HN,LW,FW	0	2 1/4	9
		TOTAL WEIGHT			1238



TUBE TRUSS - 1TT15 - 1 REQ'D

- STEEL NOTES:**
1. ALL STEEL HOT-DIP GALVANIZED AFTER FABRICATION.
 2. PIECE MARK STAMPED INTO METAL WITH NOT LESS THAN 3/8" INCH CHARACTERS BEFORE GALVANIZING.
 3. ALL HOLES 11/16" FOR 5/8" BOLTS UNLESS NOTED.
 4. EDGE DISTANCE 1" UNLESS NOTED.
 5. ALL STEEL SHAPES ASTM A36 UNLESS NOTED.

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Alabaster, AL 35007
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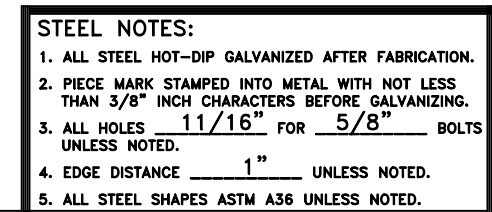
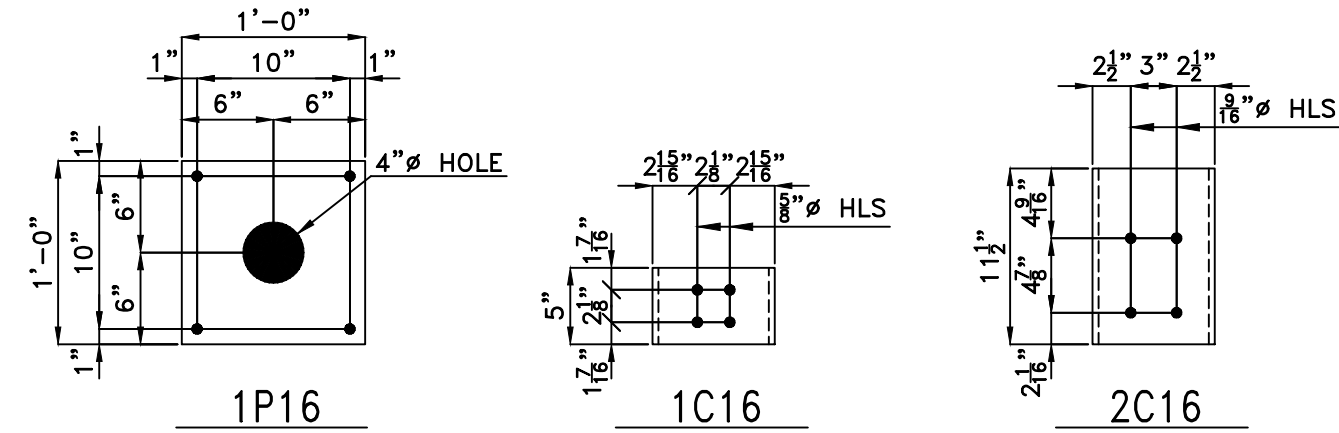
JACKSONVILLE ELECTRIC AUTHORITY
STARRATT ROAD (138/25kV) SUBSTATION

STEEL DETAILS - TUBE TRUSS

DATE: 05-02-25 DRAWN BY: LJW CHECKED BY: LJW DRAWING NUMBER: CJ-6787-SD15
SCALE: NONE APPROVED BY:

REV	DATE	DESCRIPTION

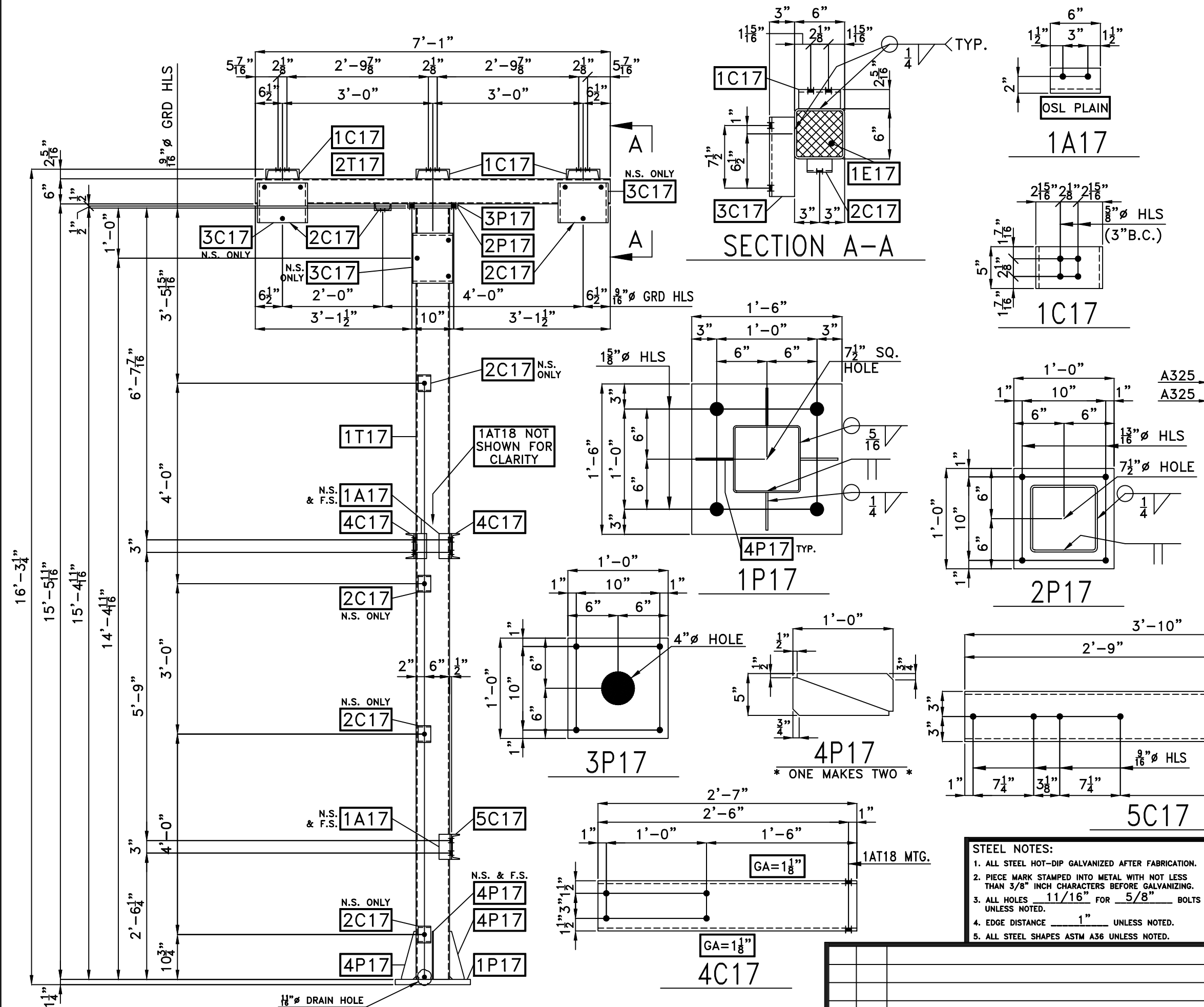
ITEM	QTY	DESCRIPTION	FT	INCHES	WT
	(1)	FOR ONE 1TT16			
1T16	1	ST 6x6x1/4	49	1	934
1P16	5	PL 1/2x12	1	0	102
1C16	12	C 8x13.75	0	5	69
1C16	12	C 8x13.75	0	11 1/2	158
1E16	2	3/4"-#9 EXP. METAL	0	5 3/8	2
		BLACK WEIGHT			1265
		GALV.			44
FIELD	20	5/8GBW/HN,LW,FW	0	2 1/4	9
		TOTAL WEIGHT			1318



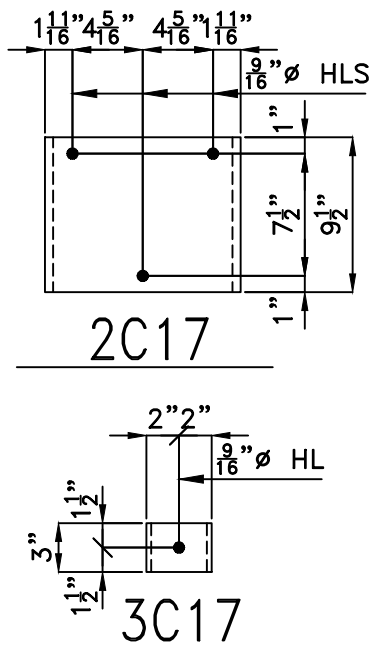
STEEL DETAILS – TUBE TRUSS

DATE: 05-02-25	DRAWN BY: LJW	CHECKED BY: LJW	DRAWING NUMBER:
SCALE: NONE	APPROVED BY:		CJ-6787-SD16

B. ALL STEEL SHAPES ASTM A500 UNLESS NOTED:		
REV	DATE	DESCRIPTION



BILL OF MATERIAL					
ITEM	QTY	DESCRIPTION	FT	INCHES	WT
	(3)	FOR ONE 1US17			
1T17	1	ST 8x8x1/4	15	4 11/16	397
2T17	1	ST 6x6x1/4	7	1	135
1P17	1	PL 1 1/4x18	1	6	115
2P17	1	PL 1/2x12	1	0	20
3P17	1	PL 1/2x12	1	0	20
4P17	2	PL 1/4x5	1	0	9
1C17	3	C 8x13.75	0	5	17
2C17	3	C 12x20.7	0	9 1/2	49
3C17	7	C 4x5.4	0	3	10
4C17	2	C 6x8.2	2	7	42
5C17	1	C 6x8.2	3	10	31
1A17	6	L 3x3x1/2	0	6	28
1E17	2	3/4"-#9 EXP. METAL	0	5 3/8	2
		BLACK WEIGHT			875
		GALV.			31
FIELD	12	5/8GMBW/HN,LW	0	1 3/4	5
FIELD	4	5/8GMBW/HN,LW,FW	0	2 1/4	2
		TOTAL WEIGHT			913



Substation Enterprises, Inc.

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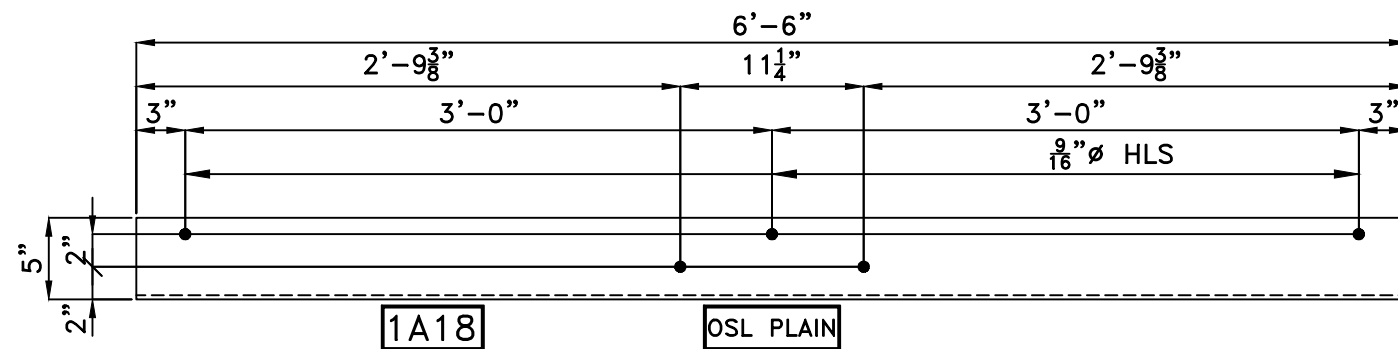
JACKSONVILLE ELECTRIC AUTHORITY

STARRATT ROAD (138/25kV) SUBSTATION

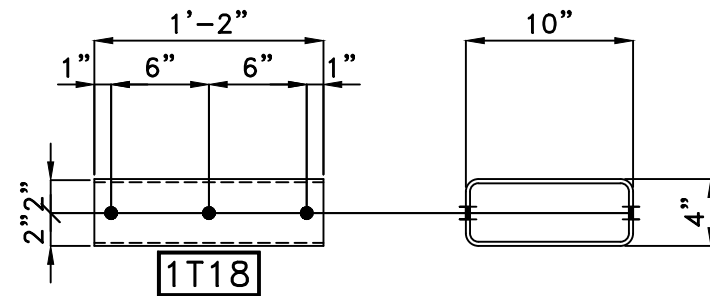
STEEL DETAILS – URD STAND

DATE: 05-02-25	DRAWN BY: LJW	CHECKED BY: LJW	DRAWING NUMBER: CJ-6787-SD17
SCALE: NONE	APPROVED BY:		

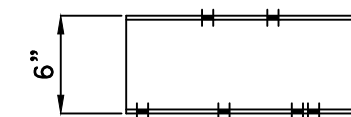
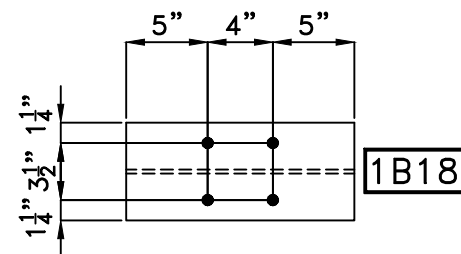
REV	DATE	DESCRIPTION



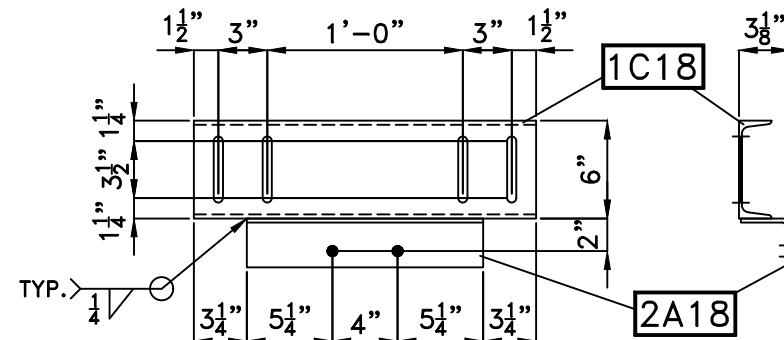
ANGLE TRUSS – 1AT18 – 3 REQ'D



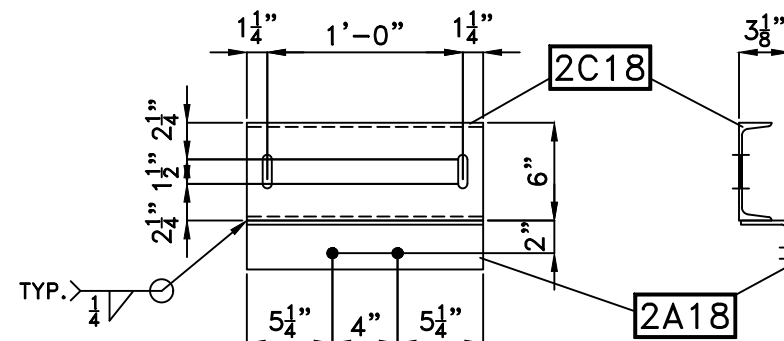
STATION SERVICE MOUNT
1SS18 – 3 REQ'D



RECEPTACLE MOUNT
1RM18 – 3 REQ'D



JUNCTION BOX MOUNT
1JM18 – 2 REQ'D



JUNCTION BOX MOUNT
2JM18 – 2 REQ'D

STEEL NOTES:

1. ALL STEEL HOT-DIP GALVANIZED AFTER FABRICATION.
2. PIECE MARK STAMPED INTO METAL WITH NOT LESS THAN 3/8" INCH CHARACTERS BEFORE GALVANIZING.
3. ALL HOLES 11/16" FOR 5/8" BOLTS UNLESS NOTED.
4. EDGE DISTANCE 1" UNLESS NOTED.
5. ALL STEEL SHAPES ASTM A36 UNLESS NOTED.

REV	DATE	DESCRIPTION
1	06-02-2025	ADDED ADDITIONAL RECEPTACLE MOUNT PER CUSTOMER APPROVAL.

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	FT	INCHES	WT
	(3)	FOR ONE 1AT18			
1A18	1	L 5x3x1/4	6	6	43
		GALV.			2
A325	FIELD	2 5/8 GMBW/HN,LW,WW	0	2	1
		TOTAL WEIGHT			46
	(3)	FOR ONE 1SS18			
1T18	1	ST 10x4x3/16	1	2	20
		GALV.			1
A325	FIELD	2 5/8 GMBW/HN,LW	0	1 3/4	1
		TOTAL WEIGHT			22
	(2)	FOR ONE 1JM18			
1C18	1	C 6x10.5	1	9	18
2A18	1	L 3x3x1/4	1	2 1/2	6
		BLACK WEIGHT			24
		GALV.			1
A325	FIELD	2 5/8 GMBW/HN,LW	0	9 1/4	2
		TOTAL WEIGHT			27
	(2)	FOR ONE 2JM18			
2C18	1	C 6x10.5	1	2 1/2	13
2A18	1	L 3x3x1/4	1	2 1/2	6
		BLACK WEIGHT			18
		GALV.			1
A325	FIELD	2 5/8 GMBW/HN,LW	0	9 1/4	2
		TOTAL WEIGHT			21
	(3)	FOR ONE 1RM18			
1B18	1	W 6x15	1	2	18
		GALV.			1
A325	FIELD	2 5/8 GMBW/HN,LW	0	1 3/4	1
		TOTAL WEIGHT			20

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JACKSONVILLE ELECTRIC AUTHORITY

STARRATT ROAD (138/25kV) SUBSTATION

STEEL DETAILS – ANGLE TRUSS / SS MOUNT

DATE: 05-02-25 DRAWN BY: LJW CHECKED BY: LJW DRAWING NUMBER: CJ-6787-SD18

SCALE: NONE APPROVED BY:

