

STRUCTURAL STEEL BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH		WEIGHT		REMARKS
			FEET	INCHES	EACH	EXT	
A9	4	ASSEMBLY	-	-	520.0	2080.0	
T10	1	HSS 8 X 8 X 1/4	12	7 7/8	326.8	326.8	
P4	1	PL 1 X 15	1	3	63.8	63.8	
P511	2	PL 3/4 X 14	1	2	41.7	83.4	
P36	1	PL 3/4 X 14	1	2	41.7	41.7	
P79	2	PL 1/2 X 3	0	3	1.3	2.6	
P77	1	PL 1/2 X 3	0	4	1.7	1.7	
A10	2	ASSEMBLY	-	-	294.8	589.6	
T11	1	HSS 6 X 6 X 1/4	6	7	125.2	125.2	
P536	2	PL 3/4 X 14	1	2	41.7	83.4	
L551	3	L 3 X 3 X 3/8	3	9	27.0	81.0	
P77	4	PL 1/2 X 3	0	3	1.3	5.2	
TOTAL WEIGHT THIS SHEET (NOT INCLUDING FINISH):					2669.6	POUNDS	

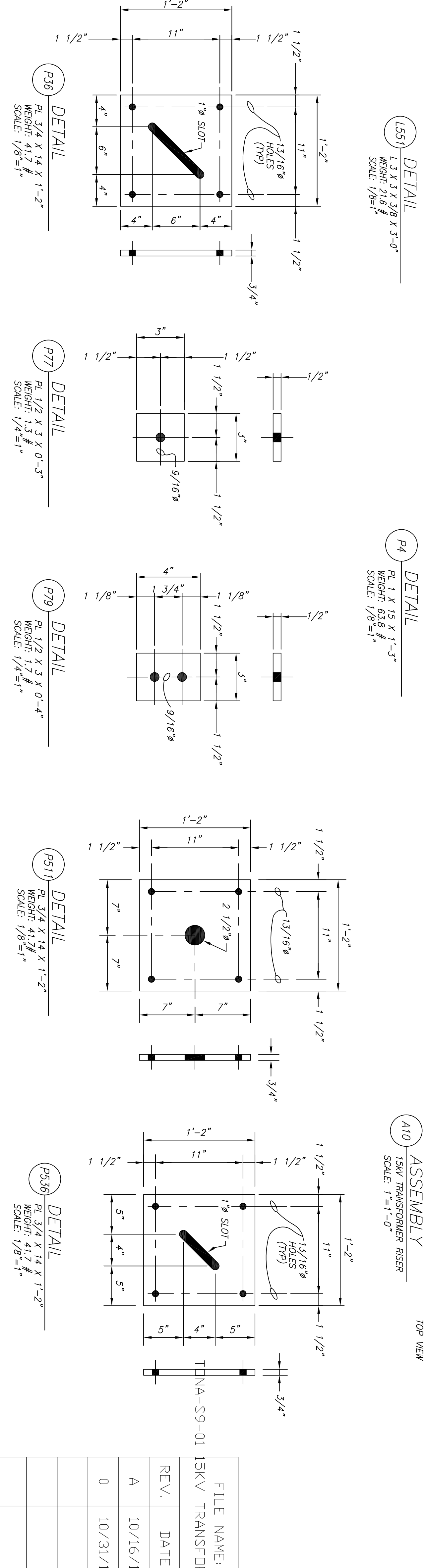
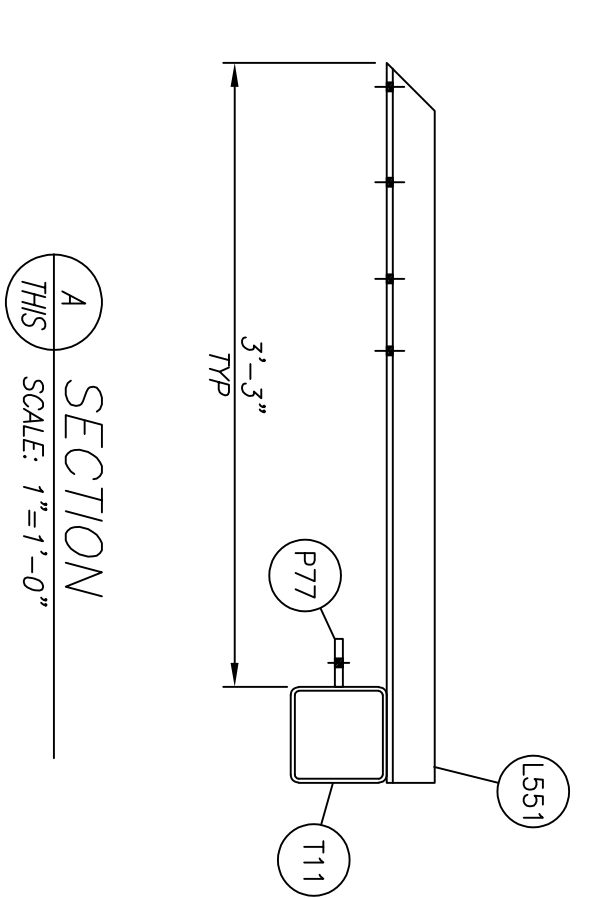
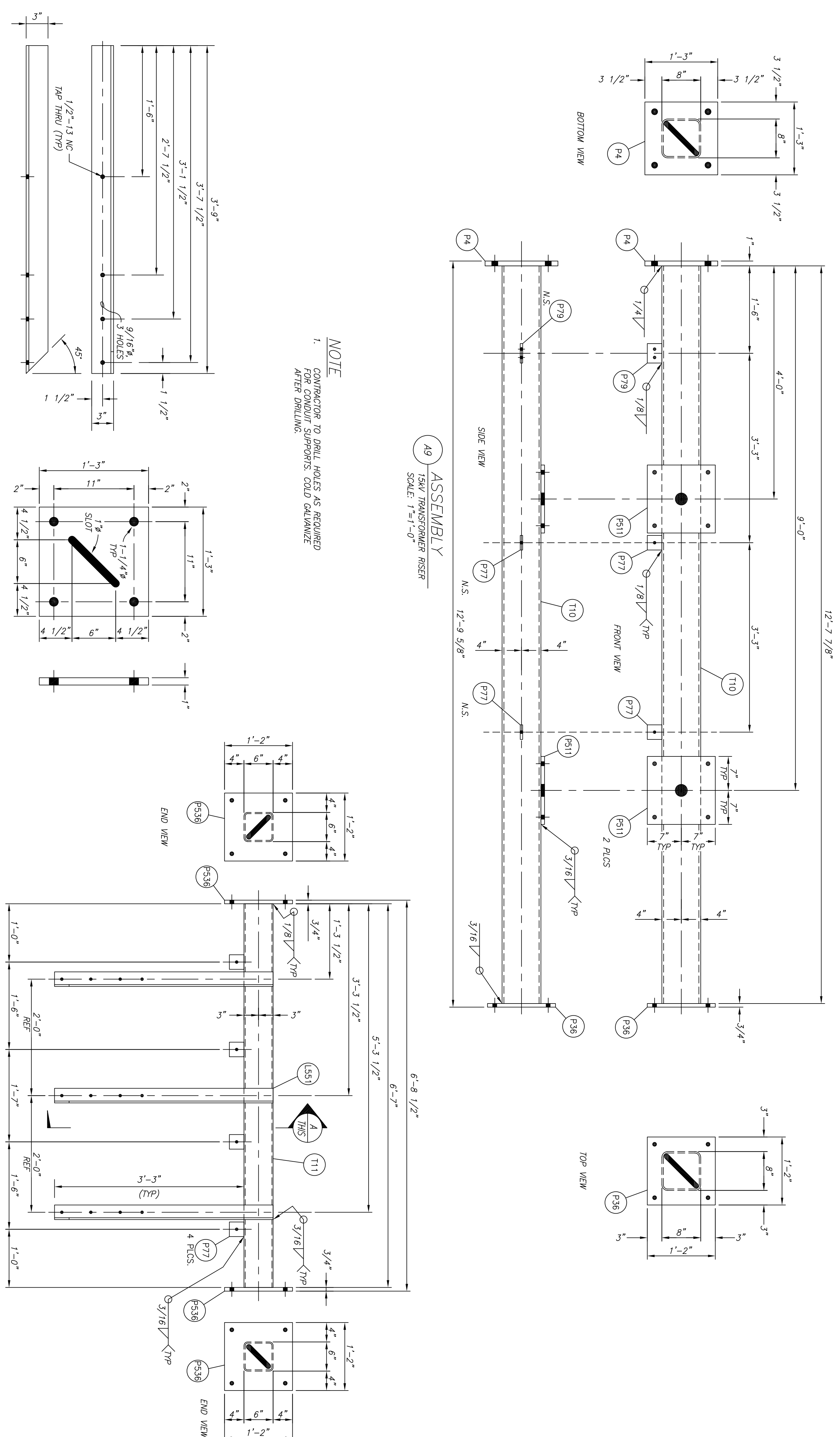
ERECTOR BOLTS		LONG A325 BOLTS WITH HEAVY HEX NUT AND HARDENED WASHER		LONG A325 BOLTS WITH HEAVY HEX NUT AND HARDENED WASHER		LONG A325 BOLTS WITH HEAVY HEX NUT AND HARDENED WASHER		LONG A307 BOLTS WITH HEAVY HEX NUT AND HARDENED WASHER	
20	3/4"	DIA	2 3/4"	DIA	DIA	DIA	DIA	DIA	DIA
EACH	3/4"	DIA	2 3/4"	DIA	DIA	DIA	DIA	DIA	DIA
EACH	3/4"	DIA	2 3/4"	DIA	DIA	DIA	DIA	DIA	DIA
EACH	3/4"	DIA	2 3/4"	DIA	DIA	DIA	DIA	DIA	DIA

MARK	DESCRIPTION	MATERIAL	FINISH
A9	ASSEMBLY	HSS SHAPES ALL OTHER STEEL	HOT DIP GALVANIZED
T10	HSS 8 X 8 X 1/4	ASTM A500, GRADE B	HOT DIP GALVANIZED
P4	PL 1 X 15	ASTM A56, UNLESS SPECIFIED OTHERWISE	HOT DIP GALVANIZED
P511	PL 3/4 X 14	ASTM A56, UNLESS SPECIFIED OTHERWISE	HOT DIP GALVANIZED
P36	PL 3/4 X 14	ASTM A56, UNLESS SPECIFIED OTHERWISE	HOT DIP GALVANIZED
P79	PL 1/2 X 3	ASTM A56, UNLESS SPECIFIED OTHERWISE	HOT DIP GALVANIZED
P77	PL 1/2 X 3	ASTM A56, UNLESS SPECIFIED OTHERWISE	HOT DIP GALVANIZED

ALL BOLTS AND HARDWARE SHALL BE GALVANIZED

NOTES

- WELDING ELECTRODES SHALL BE E70XX.
- VERIFY DIMENSIONS WITH ENGINEER BEFORE FABRICATION.
- ALL WELDS SHALL BE MADE USING COMPUTERIZED MACHINES FOR ACCURACY IN CUTTING, BOLT HOLE PATTERNS & SLOTS.



Project:		OKANOGAN COUNTY PUD NO. 1	
File Name:		15KV TRANSFORMER RISER.DWG TONASKET SUBSTATION	
REV.	DATE	Drawing:	
A	10/16/19	115/13.8KV SUBSTATION	
0	10/31/19	15KV TRANSFORMER RISER	
DESIGNED	ENGINEER	DRAWN	SHEET
KMS	AMN	KLD	1 OF 2
SCALE	W.D. NO.	DATE	DWG #
AS SHOWN	XXXXXX	10/16/19	TDNA-S9-01