

STRUCTURAL STEEL BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH		WEIGHT		REMARKS
			FEET	INCHES	EACH	EXT	
A18	4	ASSEMBLY	-	-	451.9	1807.6	
T7	1	HSS 8 X 8 X 1/4	12	5 3/4	322.2	322.2	
C20	1	C8 X 13.75	0	7	8.0	8.0	
P4	1	PL 1 X 15	1	3	63.8	63.8	
P901	1	PL 3/4 X 14	1	6	53.6	53.6	
P77	2	PL 1/2 X 3	0	3	1.3	2.6	
P79	1	PL 1/2 X 3	0	4	1.7	1.7	
A19	2	ASSEMBLY	-	-	372.5	745.0	
T9	1	HSS 8 X 8 X 1/4	9	2	236.7	236.7	
P511	2	PL 3/4 X 14	1	2	41.7	83.4	
P530	3	PL 1/4 X 12	1	8	17.0	51.0	
E2	2	3/4 X 9 GA X 8"	0	8	0.7	1.4	

TOTAL WEIGHT THIS SHEET (NOT INCLUDING FINISH): 2552.6 POUNDS

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

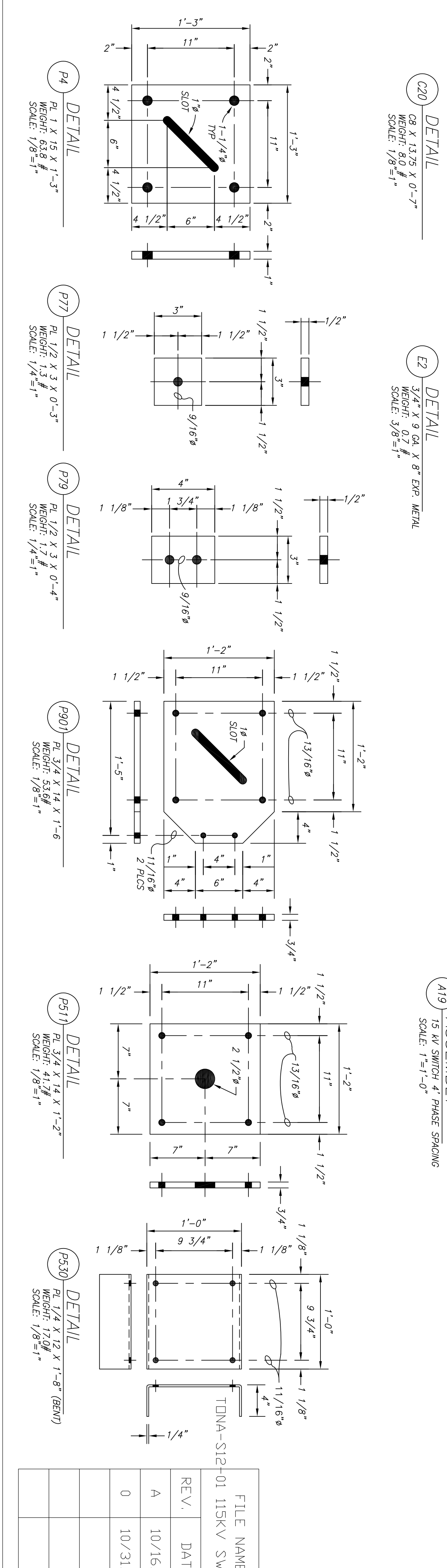
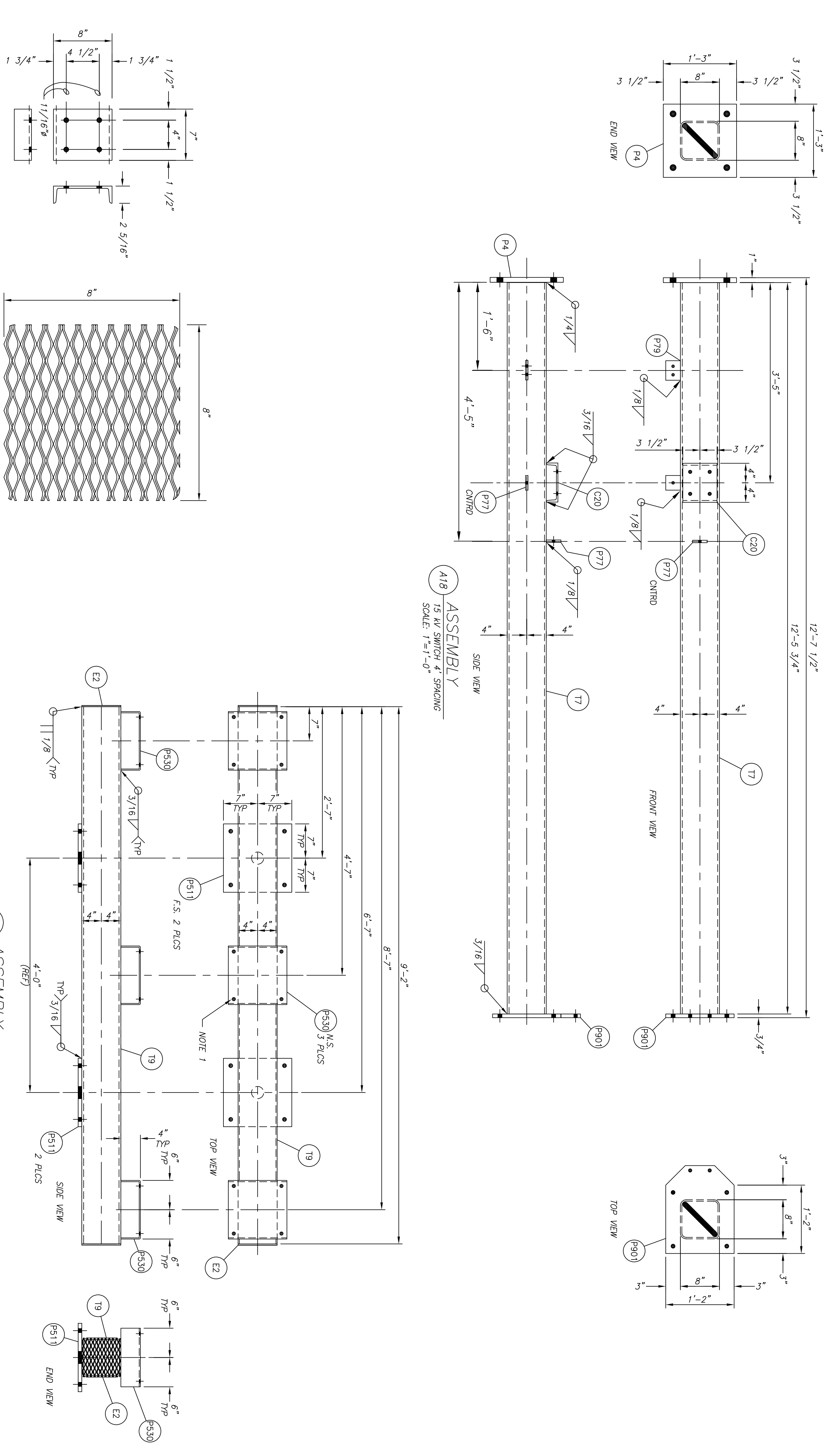
MARK	DESCRIPTION	MATERIAL	FINISH
	MARK EACH STRUCTURE WITH ASSEMBLY MARKS AND DIMENSIONS APPROXIMATELY 2"-0" ABOVE RESISTANCE MARK BEAMS APPROXIMATELY 2'-0" FROM ONE END. AS PER SPECIFICATION.	HSS SHAPES: ALL OTHER STEEL: AS PER SPECIFICATION.	HOT DIP GALVANIZED

NOTES

1. WELDING ELECTRODES SHALL BE E70XX.
2. VERIFY DIMENSION WITH ENGINEER BEFORE FABRICATION.
3. ALL WELDS TO BE MADE BY CERTIFIED WELDERS FOR ADEQUACY IN CUTTING BOLT HOLE PATTERNS & SLOTS.

NOTES

1. MOUNTING HOLE PATTERN FOR SWITCHES TO BE VERIFIED BY SWITCH MANUFACTURER.



Project: TONASKET SUBSTATION		Drawing: 115/13.8KV SUBSTATION	
DESIGNED: KMS		ENGINEER: AMN	
SCALE: AS SHOWN		W.D. No. XXXXXX	
DATE: 10/16/19		DATE: 10/16/19	
DRAWN: KLO		DATE: 10/16/19	
SHEET: 1 OF 1		DWG #: TONA-S12-01	

FILE NAME:	TONA-S12-01 115KV SWITCH
REV.:	A
DATE:	10/16/19
DESIGNED:	KMS
ENGINEER:	AMN
DRAWN:	KLO
DATE:	10/16/19
SHEET:	1 OF 1
DWG #:	TONA-S12-01