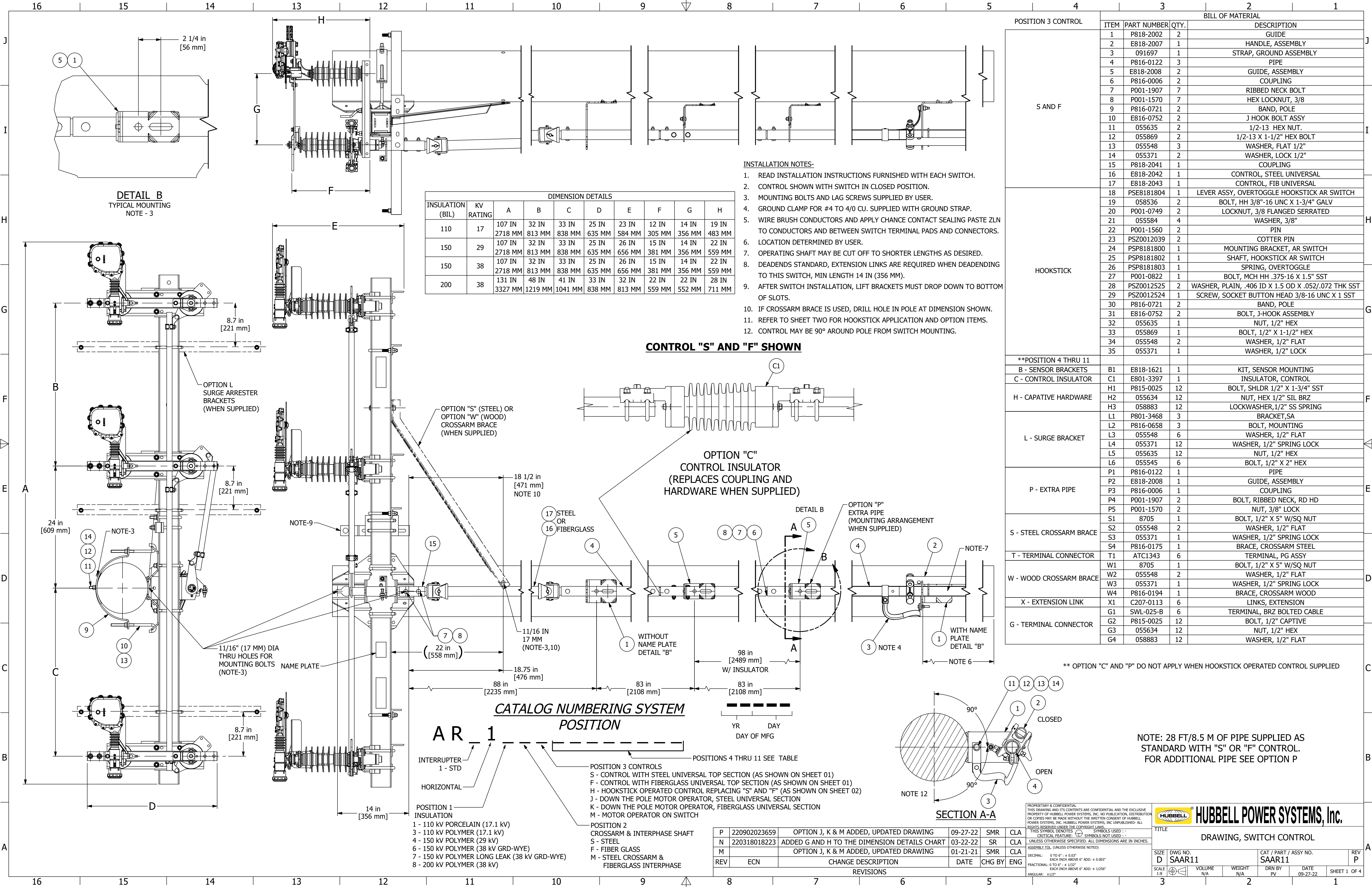




DETAIL B
TYPICAL MOUNTING
NOTE - 3

DIMENSION DETAILS									
INSULATION (BIL)	KV RATING	A	B	C	D	E	F	G	H
110	17	107 IN 2718 MM	32 IN 813 MM	33 IN 838 MM	25 IN 635 MM	23 IN 584 MM	12 IN 305 MM	14 IN 356 MM	19 IN 483 MM
		107 IN 2718 MM	32 IN 813 MM	33 IN 838 MM	25 IN 635 MM	26 IN 656 MM	15 IN 381 MM	14 IN 356 MM	22 IN 559 MM
150	29	107 IN 2718 MM	32 IN 813 MM	33 IN 838 MM	25 IN 635 MM	26 IN 656 MM	15 IN 381 MM	14 IN 356 MM	22 IN 559 MM
		107 IN 2718 MM	32 IN 813 MM	33 IN 838 MM	25 IN 635 MM	26 IN 656 MM	15 IN 381 MM	14 IN 356 MM	22 IN 559 MM
200	38	131 IN 3327 MM	48 IN 1219 MM	41 IN 1041 MM	33 IN 838 MM	32 IN 813 MM	22 IN 559 MM	22 IN 552 MM	28 IN 711 MM

- INSTALLATION NOTES-
1. READ INSTALLATION INSTRUCTIONS FURNISHED WITH EACH SWITCH.
 2. CONTROL SHOWN WITH SWITCH IN CLOSED POSITION.
 3. MOUNTING BOLTS AND LAG SCREWS SUPPLIED BY USER.
 4. GROUND CLAMP FOR #4 TO 4/0 CU. SUPPLIED WITH GROUND STRAP.
 5. WIRE BRUSH CONDUCTORS AND APPLY CHANCE CONTACT SEALING PASTE ZLN TO CONDUCTORS AND BETWEEN SWITCH TERMINAL PADS AND CONNECTORS.
 6. LOCATION DETERMINED BY USER.
 7. OPERATING SHAFT MAY BE CUT OFF TO SHORTER LENGTHS AS DESIRED.
 8. DEADENDS STANDARD, EXTENSION LINKS ARE REQUIRED WHEN DEADENDING TO THIS SWITCH, MIN LENGTH 14 IN (356 MM).
 9. AFTER SWITCH INSTALLATION, LIFT BRACKETS MUST DROP DOWN TO BOTTOM OF SLOTS.
 10. IF CROSSARM BRACE IS USED, DRILL HOLE IN POLE AT DIMENSION SHOWN.
 11. REFER TO SHEET TWO FOR HOOKSTICK APPLICATION AND OPTION ITEMS.
 12. CONTROL MAY BE 90° AROUND POLE FROM SWITCH MOUNTING.

CONTROL "S" AND "F" SHOWN

OPTION "C"
CONTROL INSULATOR
(REPLACES COUPLING AND
HARDWARE WHEN SUPPLIED)

OPTION "P"
EXTRA PIPE
(MOUNTING ARRANGEMENT
WHEN SUPPLIED)

CATALOG NUMBERING SYSTEM
POSITION

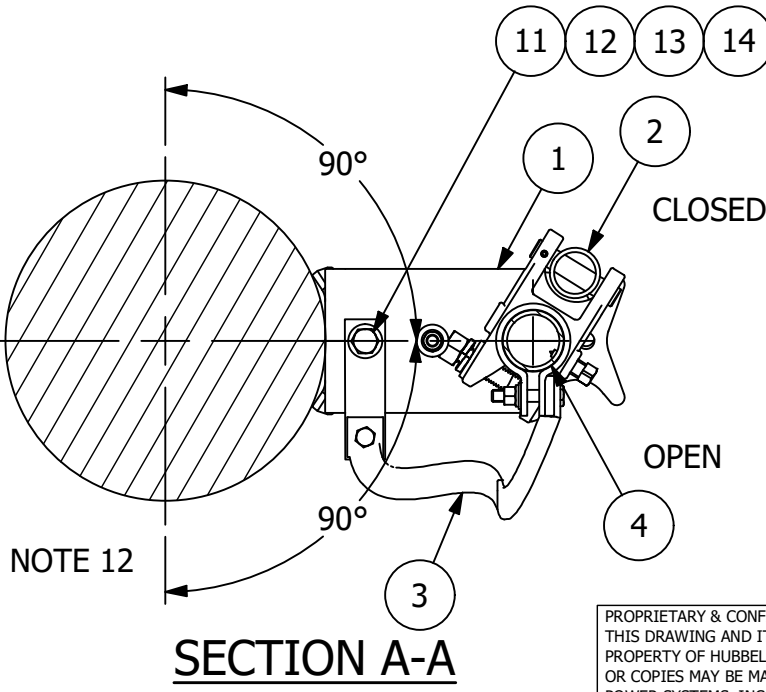
A R 1
INTERRUPTER
1 - STD
HORIZONTAL

POSITION 1
INSULATION

- 1 - 110 kV PORCELAIN (17.1 kV)
- 3 - 110 kV POLYMER (17.1 kV)
- 4 - 150 kV POLYMER (29 kV)
- 6 - 150 kV POLYMER (38 kV GRD-WYE)
- 7 - 150 kV POLYMER LONG LEAK (38 kV GRD-WYE)
- 8 - 200 kV POLYMER (38 kV)

- POSITION 2
CROSSARM & INTERPHASE SHAFT
S - STEEL
F - FIBER GLASS
M - STEEL CROSSARM &
FIBERGLASS INTERPHASE
- POSITION 3 CONTROLS
S - CONTROL WITH STEEL UNIVERSAL TOP SECTION (AS SHOWN ON SHEET 01)
F - CONTROL WITH FIBERGLASS UNIVERSAL TOP SECTION (AS SHOWN ON SHEET 01)
H - HOOKSTICK OPERATED CONTROL REPLACING "S" AND "F" (AS SHOWN ON SHEET 02)
J - DOWN THE POLE MOTOR OPERATOR, STEEL UNIVERSAL SECTION
K - DOWN THE POLE MOTOR OPERATOR, FIBERGLASS UNIVERSAL SECTION
M - MOTOR OPERATOR ON SWITCH

P	220902023659	OPTION J, K & M ADDED, UPDATED DRAWING	09-27-22	SMR	CLA
N	220318018223	ADDED G AND H TO THE DIMENSION DETAILS CHART	03-22-22	SR	CLA
M		OPTION J, K & M ADDED, UPDATED DRAWING	01-21-21	SMR	CLA
REV	ECN	CHANGE DESCRIPTION	DATE	CHG BY	ENG
REVISIONS					



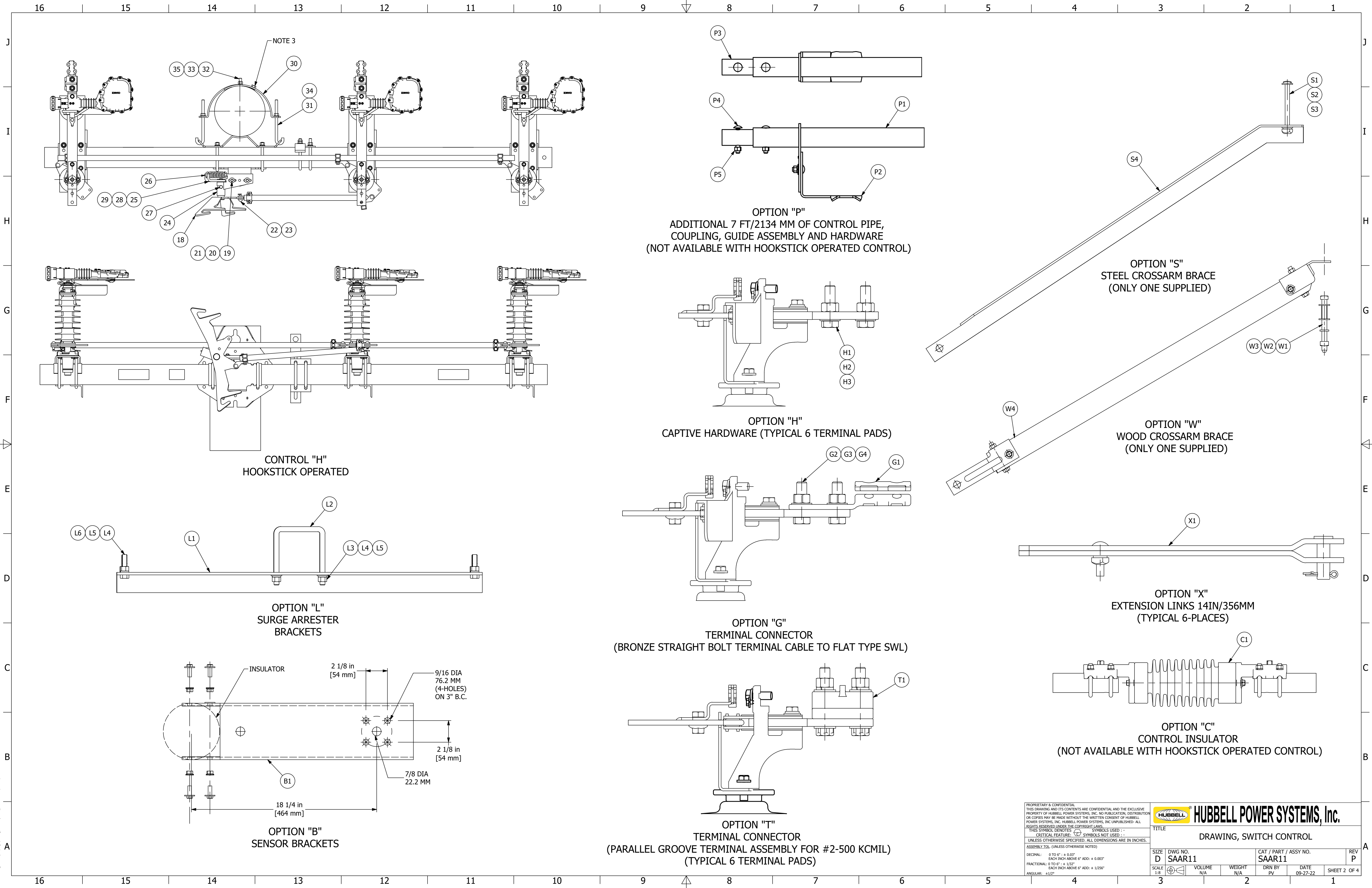
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DECIMAL: 0 TO 6" ± 0.03" EACH INCH ABOVE 6" ADD: ± 0.003" FRACTIONAL: 0 TO 6" ± 1/32" EACH INCH ABOVE 6" ADD: ± 1/256" ANGULAR: ±1/2°					

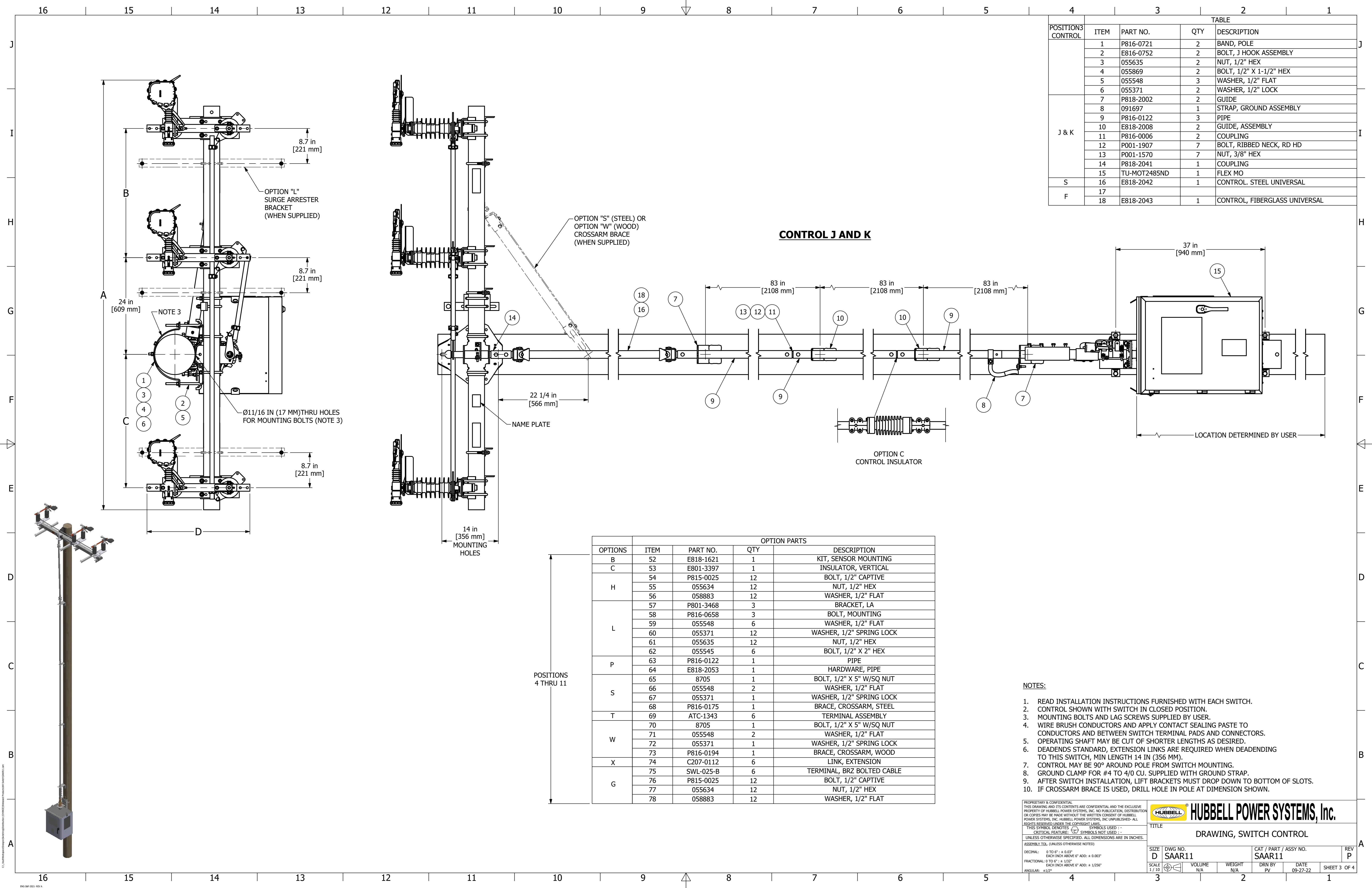
NOTE: 28 FT/8.5 M OF PIPE SUPPLIED AS STANDARD WITH "S" OR "F" CONTROL. FOR ADDITIONAL PIPE SEE OPTION P

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TITLE DRAWING, SWITCH CONTROL

SIZE D	DWG NO. SAAR11	CAT / PART / ASSY NO. SAAR11	REV P
SCALE 1:8	VOLUME N/A	WEIGHT N/A	DATE 09-27-22 SHEET 1 OF 4





POSITION3 CONTROL	TABLE			
	ITEM	PART NO.	QTY	DESCRIPTION
J & K	1	P816-0721	2	BAND, POLE
	2	E816-0752	2	BOLT, J HOOK ASSEMBLY
	3	055635	2	NUT, 1/2" HEX
	4	055869	2	BOLT, 1/2" X 1-1/2" HEX
	5	055548	3	WASHER, 1/2" FLAT
	6	055371	2	WASHER, 1/2" LOCK
J & K	7	P818-2002	2	GUIDE
	8	091697	1	STRAP, GROUND ASSEMBLY
	9	P816-0122	3	PIPE
	10	E818-2008	2	GUIDE, ASSEMBLY
	11	P816-0006	2	COUPLING
	12	P001-1907	7	BOLT, RIBBED NECK, RD HD
	13	P001-1570	7	NUT, 3/8" HEX
	14	P818-2041	1	COUPLING
	15	TU-MOT2485ND	1	FLEX MO
S	16	E818-2042	1	CONTROL. STEEL UNIVERSAL
F	17			
F	18	E818-2043	1	CONTROL, FIBERGLASS UNIVERSAL

CONTROL J AND K

OPTION PARTS				
OPTIONS	ITEM	PART NO.	QTY	DESCRIPTION
B	52	E818-1621	1	KIT, SENSOR MOUNTING
C	53	E801-3397	1	INSULATOR, VERTICAL
H	54	P815-0025	12	BOLT, 1/2" CAPTIVE
	55	055634	12	NUT, 1/2" HEX
	56	058883	12	WASHER, 1/2" FLAT
L	57	P801-3468	3	BRACKET, LA
	58	P816-0658	3	BOLT, MOUNTING
	59	055548	6	WASHER, 1/2" FLAT
	60	055371	12	WASHER, 1/2" SPRING LOCK
	61	055635	12	NUT, 1/2" HEX
	62	055545	6	BOLT, 1/2" X 2" HEX
P	63	P816-0122	1	PIPE
	64	E818-2053	1	HARDWARE, PIPE
S	65	8705	1	BOLT, 1/2" X 5" W/SQ NUT
	66	055548	2	WASHER, 1/2" FLAT
	67	055371	1	WASHER, 1/2" SPRING LOCK
	68	P816-0175	1	BRACE, CROSSARM, STEEL
T	69	ATC-1343	6	TERMINAL ASSEMBLY
W	70	8705	1	BOLT, 1/2" X 5" W/SQ NUT
	71	055548	2	WASHER, 1/2" FLAT
	72	055371	1	WASHER, 1/2" SPRING LOCK
	73	P816-0194	1	BRACE, CROSSARM, WOOD
X	74	C207-0112	6	LINK, EXTENSION
G	75	SWL-025-B	6	TERMINAL, BRZ BOLTED CABLE
	76	P815-0025	12	BOLT, 1/2" CAPTIVE
	77	055634	12	NUT, 1/2" HEX
	78	058883	12	WASHER, 1/2" FLAT

NOTES:

1. READ INSTALLATION INSTRUCTIONS FURNISHED WITH EACH SWITCH.
2. CONTROL SHOWN WITH SWITCH IN CLOSED POSITION.
3. MOUNTING BOLTS AND LAG SCREWS SUPPLIED BY USER.
4. WIRE BRUSH CONDUCTORS AND APPLY CONTACT SEALING PASTE TO CONDUCTORS AND BETWEEN SWITCH TERMINAL PADS AND CONNECTORS.
5. OPERATING SHAFT MAY BE CUT OF SHORTER LENGTHS AS DESIRED.
6. DEADENDS STANDARD, EXTENSION LINKS ARE REQUIRED WHEN DEADENDING TO THIS SWITCH, MIN LENGTH 14 IN (356 MM).
7. CONTROL MAY BE 90° AROUND POLE FROM SWITCH MOUNTING.
8. GROUND CLAMP FOR #4 TO 4/0 CU. SUPPLIED WITH GROUND STRAP.
9. AFTER SWITCH INSTALLATION, LIFT BRACKETS MUST DROP DOWN TO BOTTOM OF SLOTS.
10. IF CROSSARM BRACE IS USED, DRILL HOLE IN POLE AT DIMENSION SHOWN.

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ASSEMBLY TOL. (UNLESS OTHERWISE NOTED)

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EACH INCH ABOVE 6" ADD: ± 0.003"

FRACTIONAL: 0 TO 6" : ± 1/32"
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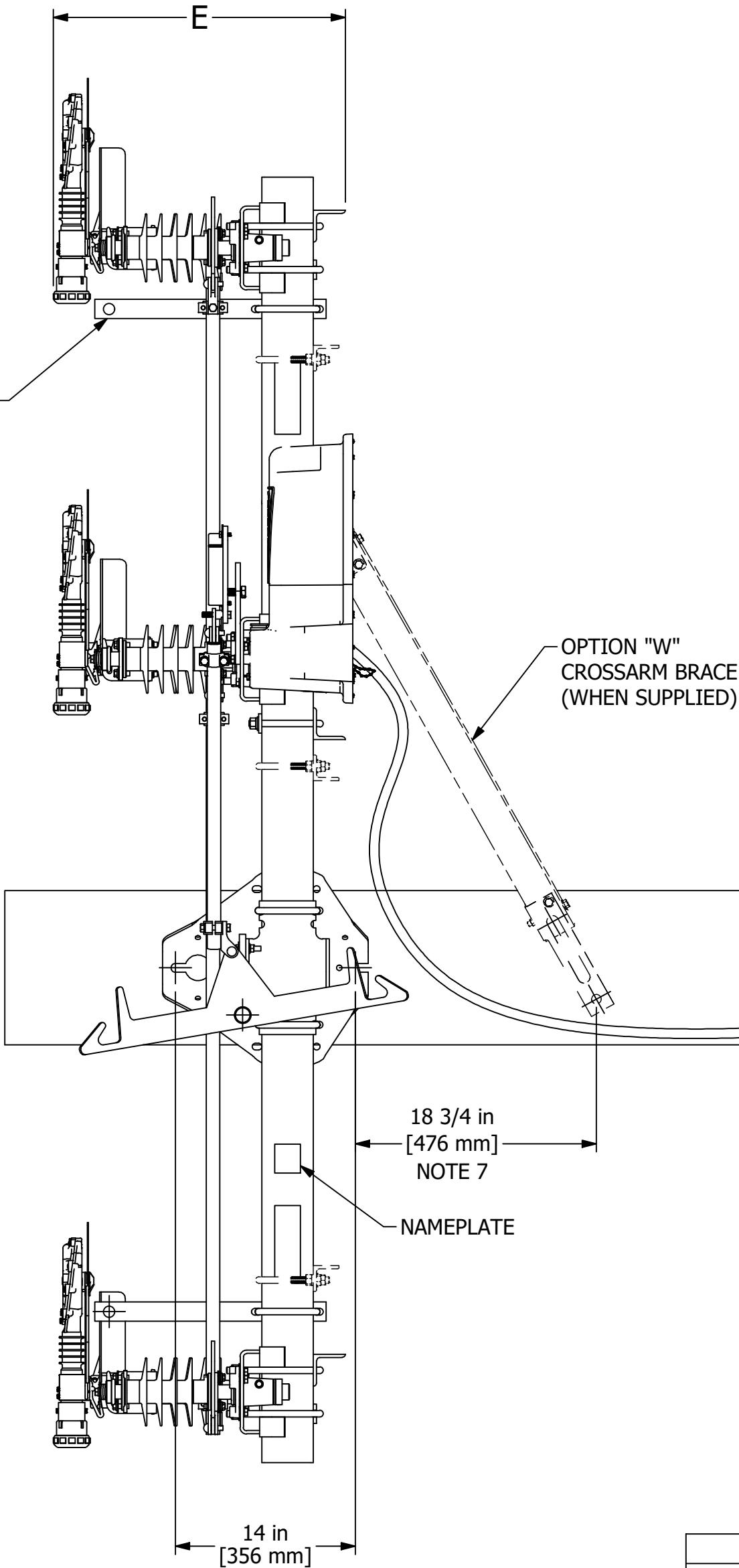
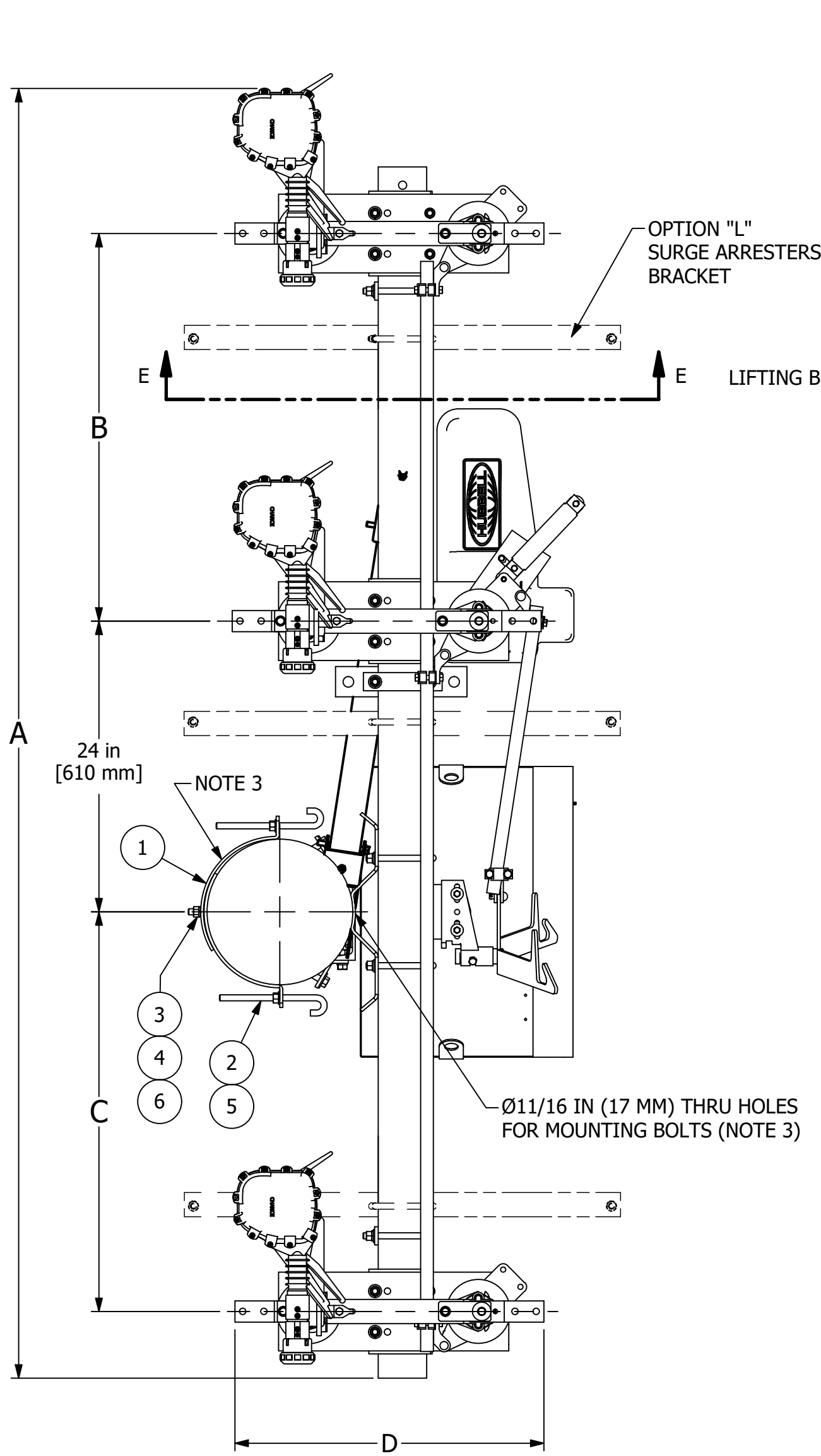
ANGULAR: ±1/2°

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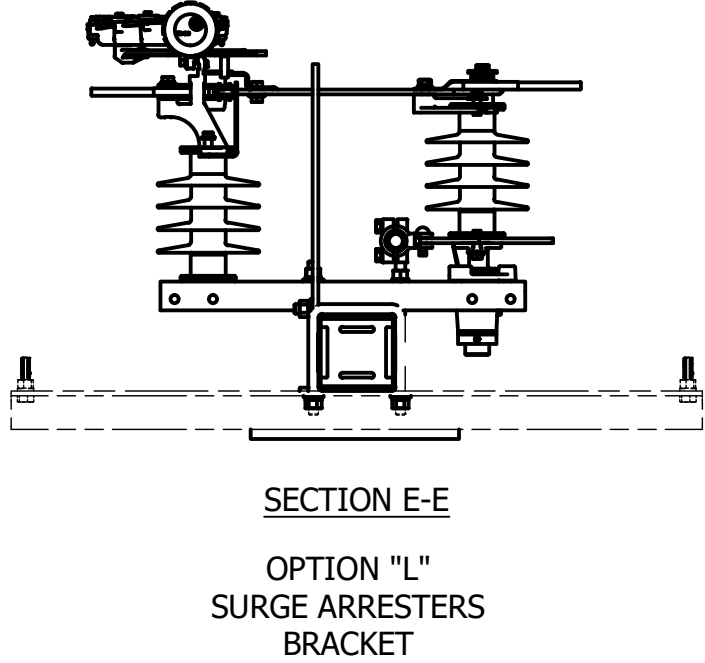
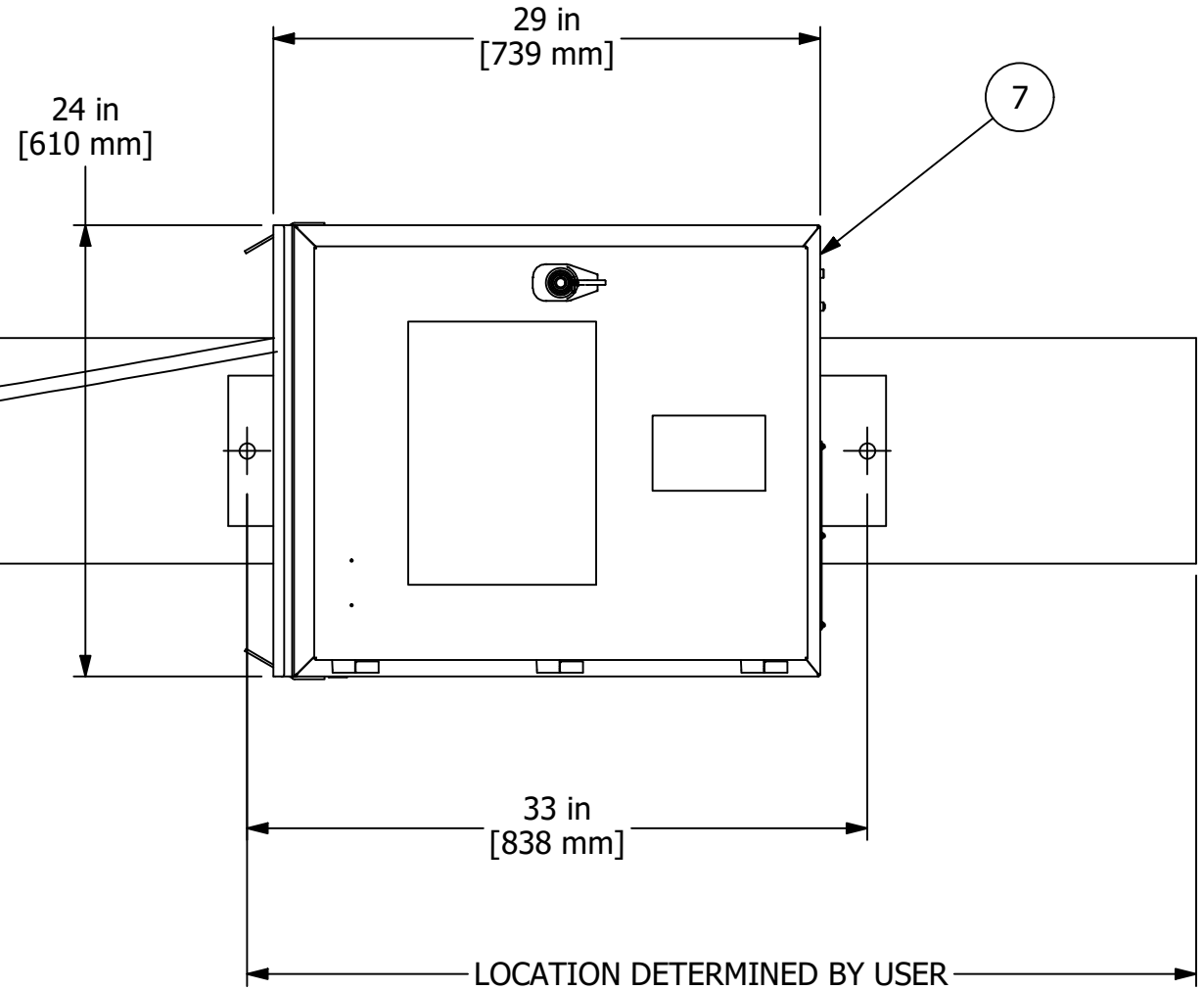
TITLE
DRAWING, SWITCH CONTROL

SIZE D	DWG NO. SAAR11	CAT / PART / ASSY NO. SAAR11	REV P
SCALE 1 / 10	VOLUME N/A	WEIGHT N/A	DRN BY PV
DATE 09-27-22		SHEET 3 OF 4	

BILL OF MATERIAL				
POSITION	QTY.	PART NUMBER	ITEM	DESCRIPTION
COMMON PARTS	2	P816-0721	1	BAND, POLE
	2	E816-0752	2	J HOOK BOLT ASSY
	1	055635	3	1/2-13 HEX NUT.
	1	055869	4	1/2-13 X 1-1/2" HEX BOLT
	2	055548	5	WASHER, FLAT 1/2"
	1	055371	6	WASHER, LOCK 1/2"
M	1	TU-H07315	7	OTS CABINET



CONTROL M



POSITIONS
4 THRU 11

OPTIONS	OPTION PARTS				
	QTY	PART NO.	ITEM	MATERIAL	DESCRIPTION
G	12	058883	59	**	WASHER, 1/2" FLAT
	12	055634	58	**	NUT, 1/2" HEX
	12	P815-0025	57	**	BOLT, 1/2" CAPTIVE
	6	SWL-025-B	56		TERMINAL, BRZ BOLTED CABLE
X	6	C207-0112	55		LINK, EXTENSION
	1	P816-0194	54		BRACE, CROSSARM, WOOD
W	1	055371	53		WASHER, 1/2" SPRING LOCK
	2	055548	52		WASHER, 1/2" FLAT
	1	8705	51		BOLT, 1/2" X 5" W/SQ NUT
	6	ATC-1343	50	**	TERMINAL ASSEMBLY
S	1	P816-0175	49		BRACE, CROSSARM, STEEL
	1	055371	48		WASHER, 1/2" SPRING LOCK
	2	055548	47		WASHER, 1/2" FLAT
	1	8705	46		BOLT, 1/2" X 5" W/SQ NUT
L	6	055545	45		BOLT, 1/2" X 2" HEX
	12	055635	44		NUT, 1/2" HEX
	12	055371	43		WASHER, 1/2" SPRING LOCK
	6	055548	42		WASHER, 1/2" FLAT
	3	P816-0658	41		BOLT, MOUNTING
	3	P801-3468	40		BRACKET, LA
H	12	058883	39	**	WASHER, 1/2" FLAT
	12	055634	38	**	NUT, 1/2" HEX
	12	P815-0025	37	**	BOLT, 1/2" CAPTIVE
	1	E801-3397	36		INSULATOR, VERTICAL
B	1	E818-1621	35		KIT, SENSOR MOUNTINGS (STANDARD AR)
A	1	PSE8181807	34		KIT, SENSOR MOUNTINGS (CROSSARM MTD MOTOR OP)

NOTES:

1. READ INSTALLATION INSTRUCTIONS FURNISHED WITH EACH SWITCH.
2. CONTROL SHOWN WITH SWITCH IN CLOSED POSITION.
3. MOUNTING BOLTS AND LAG SCREWS SUPPLIED BY USER.
4. WIRE BRUSH CONDUCTORS AND APPLY CONTACT SEALING PASTE TO CONDUCTORS AND BETWEEN SWITCH TERMINAL PADS AND CONNECTORS.
5. DEADENDS STANDARD, EXTENSION LINKS ARE REQUIRED WHEN DEADENDING TO THIS SWITCH, MIN LENGTH 14 IN (356 MM).
6. LIFT BRACKETS MUST BE REMOVED AFTER SWITCH INSTALLATION.
7. IF CROSSARM BRACE IS USED, DRILL HOLE IN POLE AT DIMENSION SHOWN.

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TITLE
DRAWING, SWITCH CONTROL

SIZE D	DWG NO. SAAR11	CAT / PART / ASSY NO. SAAR11	REV P
SCALE 1:10	VOLUME N/A	WEIGHT N/A	DRN BY PV
DATE 09-27-22		SHEET 4 OF 4	