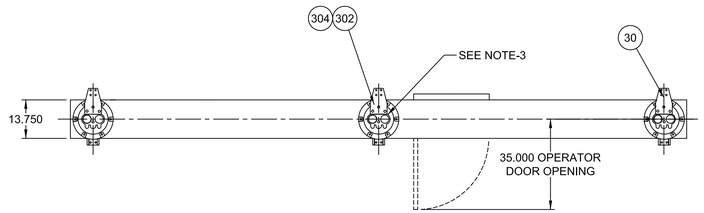
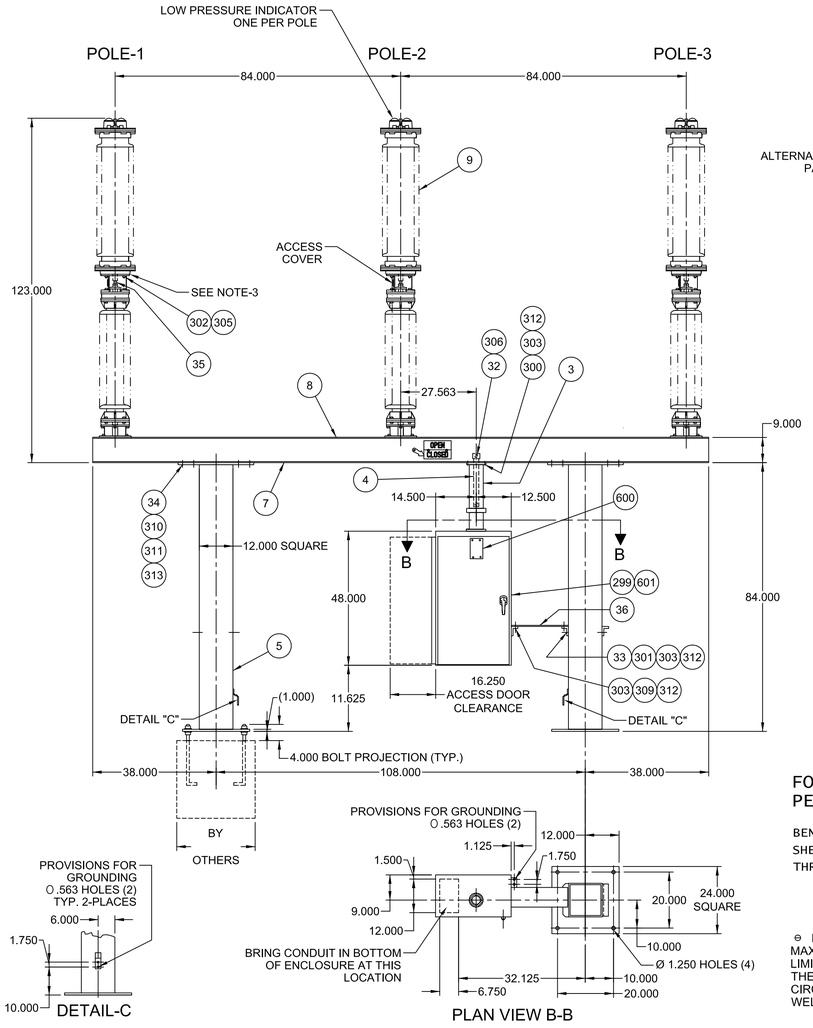


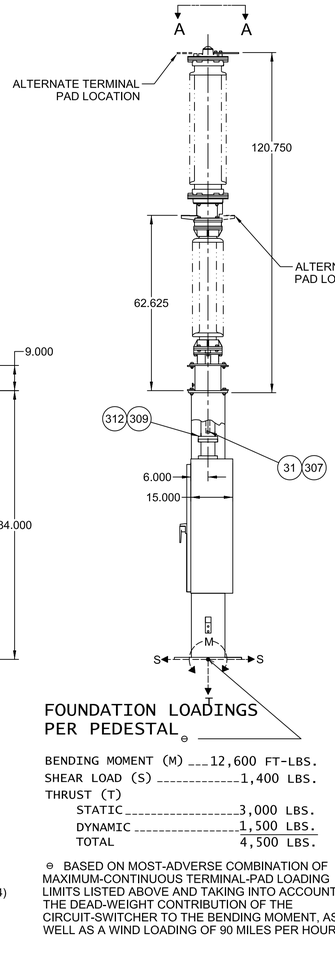
NOTES:

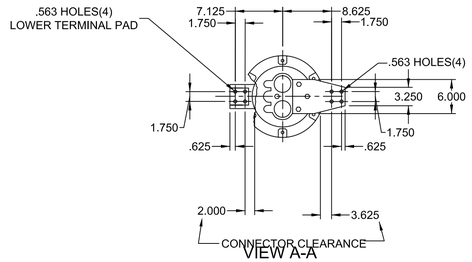
1. TOTAL WEIGHT 4200 LBS.
2. A TYPICAL BOLT CONNECTION FOR FIELD ASSEMBLY WILL REQUIRE ONE FLATWASHER UNDER THE BOLT AND ONE UNDER THE NUT.
3. CURRENT CARRYING JOINT--USER TO PREPARE SURFACES PER STANDARD PROCEDURES.
4. MOUNTING ANGLE (ITEM 033) TO BE SHIPPED ATTACHED TO PEDESTAL (ITEM 005).
5. STANDARD FEATURES:
   - -A 48-VOLT DC OPERATOR CONTROL VOLTAGE
   - -E8 84 INCH PEDESTALS
   - -H1 120-VOLT 60 Hz HEATER SUPPLY
6. SWITCH-RELATED OPTIONAL FEATURES:
7. IT IS RECOMMENDED THAT A NICKEL ALUMINUM BASED ANTI-SIEZE COMPOUND BE APPLIED TO THE INTERRUPTER MOUNTING STUDS WHEN ATTACHING THE INTERRUPTER TO THE TRANSITION BOX.

SPECIAL FEATURES:
1. PEDESTAL 12.000" SHORTER THAN STANDARD.

BILL OF MATERIAL			
ITEM	QTY.	PART NUMBER	DESCRIPTION
001	3	SA-42030	LIFTING BRACKET
002	1	SA-42775	SHIPPING & ALIGNMENT TOOL
003	1	SA-41864-1	TUBE SUPPORT
004	1	SA-41933	CONNECTING LINK
005	2	SXA-2119-1-S114	PEDESTAL ASSEMBLY
007	1	SA-41915-1	BASE BOTTOM PLATE ASSEMBLY
008	1	SA-42624-3	UNIT SUB-ASSEMBLY MODEL 2030 115 KV 25 KA
009	3	SA-41695	INTERRUPTING UNIT 69-138 KV 25 KA
030	3	S-89177	TERMINAL PAD
031	1	S-89674-6	PIN (BOTTOM)
032	2	S-90590-1	PIN (TOP)
033	2	SX-2201	MOUNTING ANGLE
034	24	S-75173-2	SHIM
035	5	S-89499	PIN RETAINING CLIP
036	1	S-90003-1	PLATE
299	1	SA-42000-AH1KMTVW1	48 V DC SERIES 2000 SWITCH OPERATOR
300	4	1023-335	1/2-13 X 1-3/4 HEXHEAD CAP SCREW GALV
301	2	1023-512	1/2-13 X 14 HEXHEAD CAP SCREW GALV
302	27	1040-031	17/32 I.D. BELLEVILLE WASHER
303	10	1040-035	1/2-13 UNI-TORQ HEX NUT GALV
304	9	1323-307	1/2-13 X 1-1/4 HEXHEAD CAPSCREW S.S.
305	12	1323-811	1/2-13 HEX NUT S.S.
306	1	1340-312	1/8 X 1-3/4 COTTER PIN S.S.
307	1	1340-396	1/8 X 2-1/2 COTTER PIN S.S.
309	8	1023-332	1/2-13 X 1-1/2 H.H.C.S. GALV
310	16	1023-368	5/8-11 X 2-1/4 HEXHEAD CAP SCREW GALV
311	32	1040-038	5/8 HARDENED FLATWASHER GALV
312	28	1040-039	1/2 HARDENED FLATWASHER GALV
313	16	9933-113	5/8-11 UNI-TORQ HEX NUT GALV
600	1	G-9306	NAMEPLATE
601	1	G-5946	CAUTION LABEL
999	1	716-590	INSTRUCTION SHEET INSPECTION
999	1	716-60	DATA BULLETIN
999	1	716-500	INSTRUCTION SHEET MODEL 2030
999	1	716-61	DATA BULLETIN







FOUNDATION LOADINGS PER PEDESTAL ⊖

BENDING MOMENT (M) ___12,600 FT-LBS.
SHEAR LOAD (S) _____1,400 LBS.
THRUST (T)
STATIC _____3,000 LBS.
DYNAMIC _____1,500 LBS.
TOTAL 4,500 LBS.

⊖ BASED ON MOST-ADVERSE COMBINATION OF MAXIMUM-CONTINUOUS TERMINAL-PAD LOADING LIMITS LISTED ABOVE AND TAKING INTO ACCOUNT THE DEAD-WEIGHT CONTRIBUTION OF THE CIRCUIT-SWITCHER TO THE BENDING MOMENT, AS WELL AS A WIND LOADING OF 90 MILES PER HOUR.

TERMINAL MECHANICAL LOAD LIMITS ●

	DIRECTION	MAXIMUM CONTINUOUS (POUNDS)	PERMISSIBLE PEAK (POUNDS)
UPPER TERMINAL	IN-LINE WITH TERMINALS	100 *	300 *
	PERPENDICULAR TO TERMINALS	100 *	150 *
	VERTICAL	300	300
LOWER TERMINAL	IN-LINE WITH TERMINALS	225 *	600 *
	PERPENDICULAR TO TERMINALS	225 *	300 *
	VERTICAL	300	300

* IF BOTH TERMINALS ARE LOADED, THE LOADS MUST BE IN OPPOSING DIRECTION OR THE LIMITS MUST BE REDUCED TO ONE HALF THOSE SHOWN.

● SERIES 2000 CIRCUIT-SWITCHERS, WHEN INSTALLED WITH THE RECOMMENDED S&C ANCHOR BOLTS AND FLEXIBLE CONDUCTOR CONNECTIONS AT ALL (6) TERMINAL PADS, ARE CAPABLE OF WITHSTANDING SEISMIC LOADING OF .2G GROUND ACCELERATION IN ANY DIRECTION, AS WELL AS PERFORMING AS INTENDED DURING SUCH LOADING AND AFTERWARD.

NAMEPLATE DATA

CATALOG NUMBER 597738-AE8H1KMTVW1-S140
MODEL 2030
KV,NOMINAL-MAX DESIGN-BIL 115-121-550
OPERATOR CONTROL VOLTAGE ..... 48 VDC
SPACE HEATER VOLTAGE .....120 V 60 Hz

AMPERES,RMS, CONTINUOUS	AMPERES PEAK WITHSTAND	AMPERES, RMS, SYMMETRICAL ONE-SECOND WITHSTAND
1200	130 000	40 000

FAULT-CLOSING,DUTY-CYCLE,ONE-TIME:
AMPERES, RMS, SYMMETRICAL / AMPERES PEAK
40 000 / 104 000

AMPERES, RMS, INTERRUPTING:

PARALLEL OR LOOP CIRCUITS	LOAD	LINE DROPPING	CABLE DROPPING
1200	1200	400	400

SHUNT CAPACITOR BANKS ■ GROUNDED ▲	UNGROUNDED	SHUNT REACTORS GROUNDED ▲	UNGROUNDED
400	400	600	N/A

TRANSFORMER PRIMARY FAULTS★	TRANSFORMER SECONDARY FAULTS
25 000	4000

CABLE, CAPACITOR OR REACTOR FAULTS★ 25 000

THIS THREE-PHASE CIRCUIT-SWITCHER CONTAINS: 8.4 LBS SF_6 AT 75 PSI

■ SINGLE CAPACITOR BANKS ONLY
▲ APPLIED ON SOLIDLY GROUNDED SYSTEMS ONLY.
★ REFER TO S&C SPECIFICATION BULLETIN 716-31

REVISIONS			
NO.	DATE	BY	DESCRIPTION
000	1/13/2022	DC	CA623918; RELEASE NEW DRAWINGS AND OID:#4267293

PRINT IDENTIFICATION
CUSTOMER: PUD NO 1 OF CLALLAM COUNTY CUSTOMER ORDER NUMBER: 24155
S&C S.O. NUMBER: 790589 S&C LINE NUMBER: 1.1
☐ THIS PRINT IS FOR YOUR APPROVAL. SHIP SCHEDULE IS VOID IF APPROVAL IS RECEIVED AFTER: _____
☐ THIS PRINT IS FOR YOUR RECORDS. MANUFACTURING IS PROCEEDING AND ANY CHANGES WILL RESULT IN A SHIPMENT DELAY.
☐ THIS IS A REVISED PRINT FOR YOUR RECORDS.
REMARKS: _____

S&C DRAWING NO. 790589 1.1
REVISION 000

⚠ CAUTION

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SCALE: NONE | ORIGINATION DATE: 1/13/2022
PROJECTION | UNITS: INCHES
CHECKED BY: KS
APPROVED BY: JZ

S&C ELECTRIC COMPANY
Excellence Through Innovation

DESCRIPTION
115 KV 1200 AMPERE, CIRCUIT-SWITCHER SERIES 2000 MODEL 2030 WITH VERTICAL INTERRUPTERS AND WITHOUT DISCONNECT , 84 INCH PHASE SPACING

SHEET 1 OF 3
CATALOG NO. 597738 -AE8H1KMTVW1-S140 SE

REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD	REFERENCE DRAWINGS
0	ISSUED FOR CONSTRUCTION	12/6/23	BENP	BENP			

DSGN BENP 9/2022
DRN BENP 9/2022
CKD
SCALE: NTS
FOR 22x34 DWG ONLY

CLALLAM COUNTY PUD
Bringing Energy To Life™

CLALLAM COUNTY PUD
LIBERTY STATION
CIRCUIT SWITCHER CS-1480
STRUCTURAL

JOB NUMBER 21-2316 REV 0
DRAWING NUMBER E2-2