



Control Mechanism and Switch Bill of Material

Date : 04/30/2024

Time 13:52:17

Parent Part No 46-382-001

Description CONTROL MECH.& SWITCH,"CBSA"115KV,2000A,VERT.
VALMONT SUBSTATION DWG.#BGH 494Z,-494A THRU -494J
WAKEENEY SUB., P.O.#WAK-1921-01,ITEM #K1921-11A
RELA

Item No.	Component Part No	Qty	Description
<u>SINGLE POLE ASSEMBLY</u>			
101	10-676-040	6	HINGE,ASSY,CBSA,2000A,4HOLE,3&5"BC
102	17-743-011	3	BLADE,ASSY,CBSA,2000A,115KV,MALE
103	17-744-011	3	BLADE,ASSY,CBSA,2000A,115KV,FEMALE
104	TR-287 POLY MACLEAN	6	INSULATOR,POLYMER,NAA200XV24S0
105	10-674-100	3	BASE,ASSY,CBS,9 3/4 X 9 3/4, 5BC
107	06-000-042	24	HEX,BOLT,SG, 5/8 X 1 1/2
108	06-000-040	24	HEX,BOLT,SG, 5/8 X 1
109	06-004-003	48	LOCKWASHER,SG,5/8"
<u>DRIVETRAIN PARTS</u>			
336	10-162-009	1	DRTR,U-JOINT,ASSY,2"IPS x 1-1/4"IPS
337	10-249-001	3	DRTR,LEVER,ASSY,10R,BENT
338	10-215-001	2	DRTR,CLAMP,ASSY,1-1/4"IPS
339	10-246-007	1	THREADLESS,CLEVIS,ADJ,ASSY,1-1/4IPS
440	10-248-033	1	BRG,ASSY,OB,HUB,2"X,2",SHORT LEVER
441	10-192-002	1	BRG,SIL,BRZ,CAST,MACH,2"IPS
442	10-223-001	1	DRTR,BRAID,ASSY,2"IPS,30",2/0
443	10-212-001	1	SWING,HANDLE,ASSY,2.0,42R
444	10-228-001	1	DRTR,GUIDE,ASSY,2"IPS



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WAKEENEY SUB., P.O.#WAK-1921-01,ITEM #K1921-11A
RELA

Item No.	Component Part No	Qty	Description
<u>BRACKETS AND PLATES</u>			
551	23-186-412	1	BRG,PLATE,RB,GALV.
552	29-247-842	1	BRG.SUPPRT.CHANNEL,GALV
553	44-642-186	4	ANGLE,BACKING,GALV
554	22-642-144	1	ANGLE,GALV.
555	10-161-434	1	PLATE,ADAPTER,STL,GALV
556	36-161-135	1	PLATE,OFFSET,ADAPTER,GALV
<u>PIPE GALVANIZED</u>			
661	01-220-000	10	Ø1-1/4",SCH40,GALV,PIPE 1 @ 10'- 0"
662	01-220-000	11	Ø1-1/4",SCH40,GALV,PIPE 1 @ 11'- 0"
663	01-221-000	11	Ø2",SCH40,GALV,PIPE 1 @ 10'- 6"
664	01-221-000	21	Ø2",SCH40,GALV,PIPE 1 @ 21'- 0"
<u>MOUNTING HARDWARE</u>			
770	06-000-021	2	HEX,BOLT,SG, 1/2 X 1 1/2
771	06-001-002	2	HEX,NUT,SG,1/2"
772	06-004-002	2	LOCKWASHER,SG,1/2"
773	06-000-045	2	HEX,BOLT,SG,5/8" X 2 1/4"
774	06-000-043	6	HEX,BOLT,SG, 5/8 X 1 3/4
775	06-001-003	8	HEX,NUT,SG,5/8"
776	06-004-003	8	LOCKWASHER,SG,5/8"
777	06-003-003	16	FLATWASHER,SG,5/8"
778	06-019-001	2	BEVEL,WASHER,SG,5/8" DIA
<u>STRUCTURE HARDWARE</u>			
880	10-431-030	8	STUD,STL,Ø5/8" X 20",GALV
881	06-000-045	12	HEX,BOLT,SG,5/8" X 2 1/4"
882	06-000-044	4	HEX,BOLT,SG, 5/8 X 2"
883	06-001-003	32	HEX,NUT,SG,5/8"
884	06-004-003	32	LOCKWASHER,SG,5/8"
885	06-019-001	12	BEVEL,WASHER,SG,5/8" DIA
886	06-003-003	32	FLATWASHER,SG,5/8"



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Parent Part No 46-383-001

Description CONTROL MECH.& SWITCH,"CBSA"115KV,2000A,VERT.
VALMONT SUBSTATION DWG.#BGH 494Z,-494A THRU -494J
WAKEENEY SUB., P.O.#WAK-1921-01,ITEM #K1921-11A
RELA

Item No.	Component Part No	Qty	Description
<u>SINGLE POLE ASSEMBLY</u>			
101	10-676-040	6	HINGE,ASSY,CBSA,2000A,4HOLE,3&5"BC
102	17-743-011	3	BLADE,ASSY,CBSA,2000A,115KV,MALE
103	17-744-011	3	BLADE,ASSY,CBSA,2000A,115KV,FEMALE
104	TR-287 POLY MACLEAN	6	INSULATOR,POLYMER,NAA200XV24S0
105	10-674-100	3	BASE,ASSY,CBS,9 3/4 X 9 3/4, 5BC
107	06-000-042	24	HEX,BOLT,SG, 5/8 X 1 1/2
108	06-000-040	24	HEX,BOLT,SG, 5/8 X 1
109	06-004-003	48	LOCKWASHER,SG,5/8"
<u>DRIVETRAIN PARTS</u>			
336	10-162-009	1	DRTR,U-JOINT,ASSY,2"IPS x 1-1/4"IPS
337	10-249-001	3	DRTR,LEVER,ASSY,10R,BENT
338	10-215-001	2	DRTR,CLAMP,ASSY,1-1/4"IPS
339	10-246-007	1	THREADLESS,CLEVIS,ADJ,ASSY,1-1/4IPS
440	10-248-033	1	BRG,ASSY,OB,HUB,2"X,2",SHORT LEVER
441	10-192-002	1	BRG,SIL,BRZ,CAST,MACH,2"IPS
442	10-223-001	1	DRTR,BRAID,ASSY,2"IPS,30",2/0
443	10-212-001	1	SWING,HANDLE,ASSY,2.0,42R
444	10-228-001	1	DRTR,GUIDE,ASSY,2"IPS



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VALMONT SUBSTATION DWG.#BGH 494Z,-494A THRU -494J
WAKEENEY SUB., P.O.#WAK-1921-01,ITEM #K1921-11A
RELA

Item No.	Component Part No	Qty	Description
<u>BRACKETS AND PLATES</u>			
551	23-186-412	1	BRG,PLATE,RB,GALV.
552	29-247-842	1	BRG.SUPPRT.CHANNEL,GALV
553	44-642-186	4	ANGLE,BACKING,GALV
554	22-642-144	1	ANGLE,GALV.
555	10-161-434	1	PLATE,ADAPTER,STL,GALV
556	36-161-135	1	PLATE,OFFSET,ADAPTER,GALV
<u>PIPE GALVANIZED</u>			
661	01-220-000	10	Ø1-1/4",SCH40,GALV,PIPE 1 @ 10'- 0"
662	01-220-000	11	Ø1-1/4",SCH40,GALV,PIPE 1 @ 11'- 0"
663	01-221-000	11	Ø2",SCH40,GALV,PIPE 1 @ 10'- 6"
664	01-221-000	21	Ø2",SCH40,GALV,PIPE 1 @ 21'- 0"
<u>MOUNTING HARDWARE</u>			
770	06-000-021	2	HEX,BOLT,SG, 1/2 X 1 1/2
771	06-001-002	2	HEX,NUT,SG,1/2"
772	06-004-002	2	LOCKWASHER,SG,1/2"
773	06-000-045	2	HEX,BOLT,SG,5/8" X 2 1/4"
774	06-000-043	6	HEX,BOLT,SG, 5/8 X 1 3/4
775	06-001-003	8	HEX,NUT,SG,5/8"
776	06-004-003	8	LOCKWASHER,SG,5/8"
777	06-003-003	16	FLATWASHER,SG,5/8"
778	06-019-001	2	BEVEL,WASHER,SG,5/8" DIA
<u>STRUCTURE HARDWARE</u>			
880	10-431-030	8	STUD,STL,Ø5/8" X 20",GALV
881	06-000-045	12	HEX,BOLT,SG,5/8" X 2 1/4"
882	06-000-044	4	HEX,BOLT,SG, 5/8 X 2"
883	06-001-003	32	HEX,NUT,SG,5/8"
884	06-004-003	26	LOCKWASHER,SG,5/8"
885	06-019-001	12	BEVEL,WASHER,SG,5/8" DIA
886	06-003-003	32	FLATWASHER,SG,5/8"



Control Mechanism and Switch Bill of Material

Date : 04/30/2024

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Parent Part No 46-384-001

Description CONTROL MECH.& SWITCH,"CBSA"115KV,2000A,HORIZ.
VALMONT SUBSTATION DWG.#BGH 494Z,-494A THRU -494J
WAKEENEY SUB., P.O.#WAK-1921-01,ITEM #J1921-11B
RELA

Item No.	Component Part No	Qty	Description
<u>SINGLE POLE ASSEMBLY</u>			
101	10-676-040	6	HINGE,ASSY,CBSA,2000A,4HOLE,3&5"BC
102	17-743-011	3	BLADE,ASSY,CBSA,2000A,115KV,MALE
103	17-744-011	3	BLADE,ASSY,CBSA,2000A,115KV,FEMALE
104	TR-287 POLY MACLEAN	6	INSULATOR,POLYMER,NAA200XV24S0
105	10-674-100	3	BASE,ASSY,CBS,9 3/4 X 9 3/4, 5BC
107	06-000-043	24	HEX,BOLT,SG, 5/8 X 1 3/4
108	06-000-040	24	HEX,BOLT,SG, 5/8 X 1
109	06-004-003	48	LOCKWASHER,SG,5/8"
<u>ACCESSORIES</u>			
220	18-472-005	3	COUNTERWEIGHT,ASSY
<u>DRIVETRAIN PARTS</u>			
336	10-402-002	1	DRTR,LINK,ASSY,2",TO,1-1/4"IPS
337	10-249-001	3	DRTR,LEVER,ASSY,10R,BENT
338	10-215-001	2	DRTR,CLAMP,ASSY,1-1/4"IPS
339	10-246-007	1	THREADLESS,CLEVIS,ADJ,ASSY,1-1/4IPS
440	10-248-033	1	BRG,ASSY,OB,HUB,2"X,2",SHORT LEVER
441	10-192-002	1	BRG,SIL,BRZ,CAST,MACH,2"IPS
442	10-223-001	1	DRTR,BRAID,ASSY,2"IPS,30",2/0
443	10-212-001	1	SWING,HANDLE,ASSY,2.0,42R
444	10-228-001	1	DRTR,GUIDE,ASSY,2"IPS
445	10-225-001	1	DRTR,COLLAR,ASSY,2"IPS
446	10-224-014	1	COUPLER,ASSY,2"IPS



Control Mechanism and Switch Bill of Material

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Parent Part No 46-384-001

Description CONTROL MECH.& SWITCH,"CBSA"115kV,2000A,HORIZ.
VALMONT SUBSTATION DWG.#BGH 494Z,-494A THRU -494J
WAKEENEY SUB., P.O.#WAK-1921-01,ITEM #J1921-11B
RELA

Item No.	Component Part No	Qty	Description
<u>BRACKETS AND PLATES</u>			
551	10-186-331	1	PLATE,RB,BRG,GALV
552	22-642-144	1	ANGLE,GALV.
553	10-161-434	1	PLATE,ADAPTER,STL,GALV
554	36-161-135	1	PLATE,OFFSET,ADAPTER,GALV
<u>PIPE GALVANIZED</u>			
661	01-220-000	20	Ø1-1/4",SCH40,GALV,PIPE 2 @ 10'- 0"
662	01-221-000	13	Ø2",SCH40,GALV,PIPE 1 @ 13'- 0"
663	01-221-000	30	Ø2",SCH40,GALV,PIPE 2 @ 15'- 0"
<u>MOUNTING HARDWARE</u>			
771	06-000-021	2	HEX,BOLT,SG, 1/2 X 1 1/2
772	06-001-002	2	HEX,NUT,SG,1/2"
773	06-004-002	2	LOCKWASHER,SG,1/2"
774	06-000-044	6	HEX,BOLT,SG, 5/8 X 2"
775	06-001-003	6	HEX,NUT,SG,5/8"
776	06-004-003	6	LOCKWASHER,SG,5/8"
777	06-003-003	12	FLATWASHER,SG,5/8"
<u>STRUCTURE HARDWARE</u>			
881	06-000-046	12	HEX,BOLT,SG, 5/8 X 2 1/2
882	06-000-044	6	HEX,BOLT,SG, 5/8 X 2"
883	06-001-003	18	HEX,NUT,SG,5/8"
884	06-004-003	18	LOCKWASHER,SG,5/8"
885	06-003-003	18	FLATWASHER,SG,5/8"
886	06-019-001	12	BEVEL,WASHER,SG,5/8" DIA



Control Mechanism and Switch Bill of Material

Date : 04/30/2024

Time 13:52:17

Parent Part No 46-386-001

Description CONTROL MECH.& SWITCH,"VBPA"115kV,2000A,HORIZ.
VALMONT SUBSTATION DWG.#327905Z,327905A THRU E
WAKEENEY SUB., P.O.#WAK-1921-01,ITEM #J1921-11C
RELA

Item No.	Component Part No	Qty	Description
<u>SINGLE POLE ASSEMBLY</u>			
101	19-814-011	3	HINGE,VBA,2000A,ASSY,5"BC
102	18-672-012	3	CONT,VBXA,ASSY,20V2,15-138kV
103	24-228-006	3	BLADE,VBXA,ASSY,115KV,20V2
104	10-227-002	3	CTRBAL,VBA,ASSY
105	TR-287 POLY MACLEAN	9	INSULATOR,POLYMER,NAA200XV24S0
106	10-104-859	3	BASE,WELD,VP,0606,90
107	10-134-002	3	BRG,FLANGE,STL,Ø9-5/8",GALV
108	10-815-024	3	BRG,ASSY,VB,5BC,EX.STOPS
109	10-145-078	6	SPACER,INSUL,ASSY,8.25"x 8.25",5"BC
110	10-226-001	3	BASE,COVER,ASSY,6x6
111	10-152-001	3	SPILL,GAP,ASSY,VP,115kV,HINGE END
112	10-152-079	3	SPILL,GAP,ASSY,VP,115kV,CONTACT END
113	06-000-043	12	HEX,BOLT,SG, 5/8 X 1 3/4
114	06-000-042	24	HEX,BOLT,SG, 5/8 X 1 1/2
115	06-000-041	12	HEX,BOLT,SG, 5/8 X 1 1/4
116	06-000-040	24	HEX,BOLT,SG, 5/8 X 1
117	06-001-003	24	HEX,NUT,SG,5/8"
118	06-004-003	72	LOCKWASHER,SG,5/8"
119	06-003-003	36	FLATWASHER,SG,5/8"
120	10-171-034	3	ARCING,HORN,ASSY,VBP/VBS
<u>ACCESSORIES</u>			
220	10-258-056	3	HORN,WHIP,VBPA,ASSY,2-1/2"IPS,2000A
<u>DRIVETRAIN PARTS</u>			
336	10-249-031	1	DRTR,LEVER,ASSY,10R,BENT,w/SPACER
337	10-249-002	3	DRTR,LEVER,ASSY,8R
338	10-215-001	3	DRTR,CLAMP,ASSY,1-1/4"IPS
339	10-246-007	1	THREADLESS,CLEVIS,ADJ,ASSY,1-1/4IPS
440	10-248-028	1	BRG,ASSY,OB,HUB,2"IPS X 1-1/4"IPS
441	10-192-002	1	BRG,SIL,BRZ,CAST,MACH,2"IPS
442	10-223-001	1	DRTR,BRAID,ASSY,2"IPS,30".2/0
443	10-212-001	1	SWING,HANDLE,ASSY,2.0,42R
444	10-228-001	1	DRTR,GUIDE,ASSY,2"IPS



Control Mechanism and Switch Bill of Material

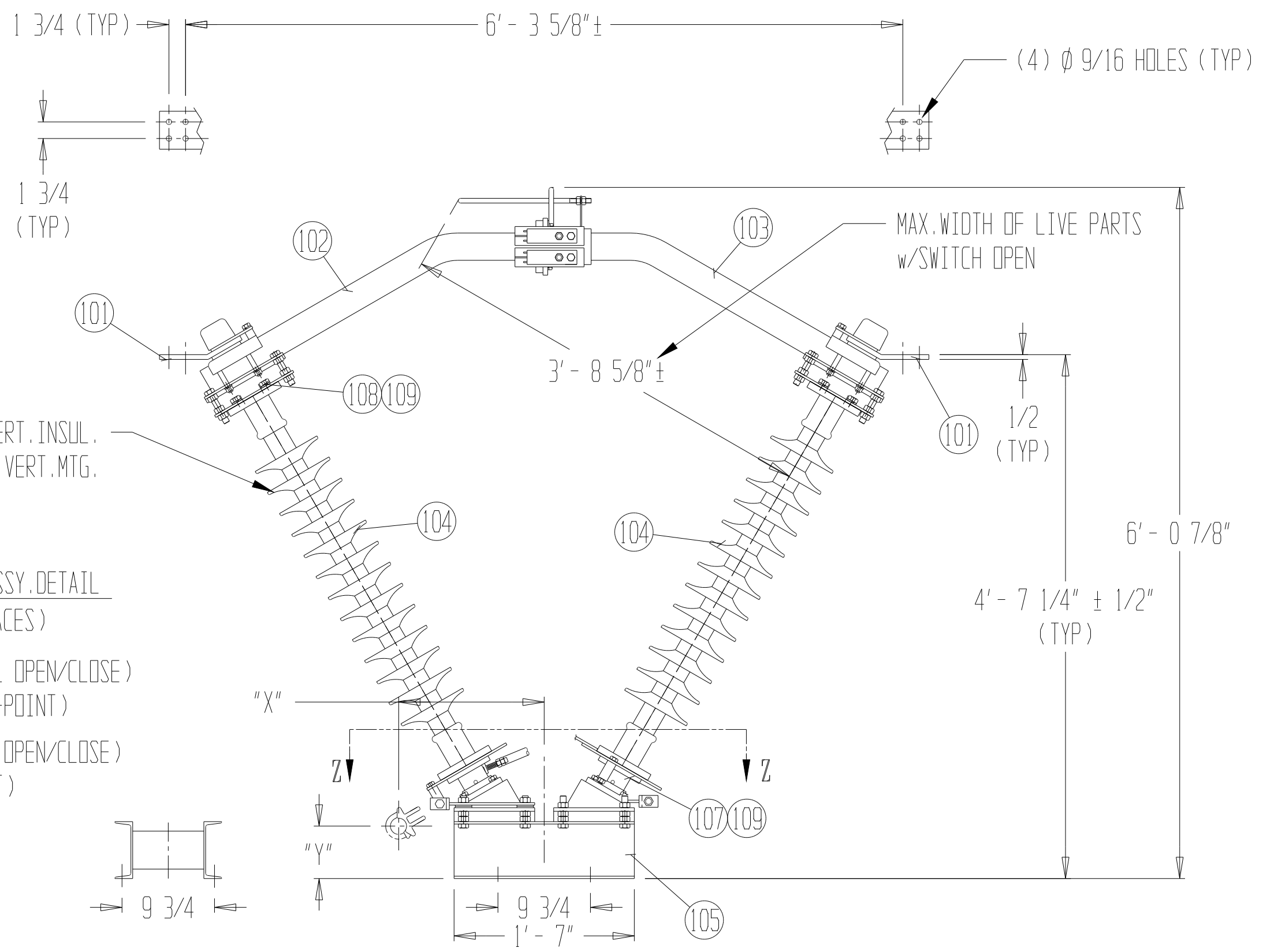
Date : 04/30/2024

Time 13:52:17

Parent Part No 46-386-001

Description CONTROL MECH.& SWITCH,"VBPA"115KV,2000A,HORIZ.
VALMONT SUBSTATION DWG.#327905Z,327905A THRU E
WAKEENEY SUB., P.O.#WAK-1921-01,ITEM #J1921-11C
RELA

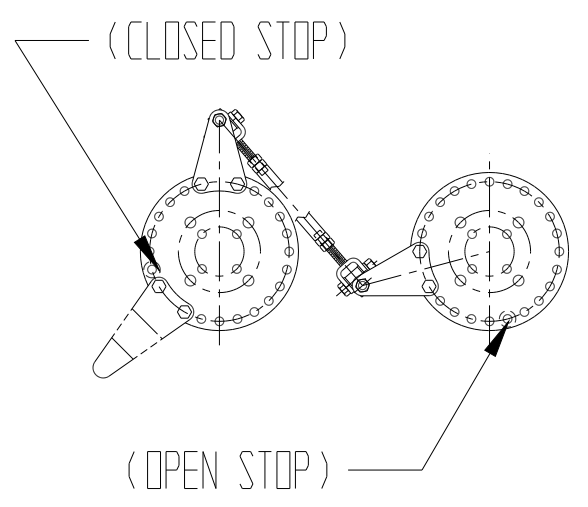
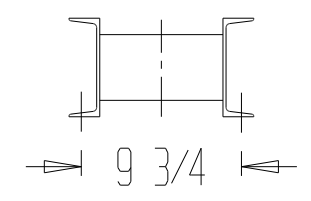
Item No.	Component Part No	Qty	Description
<u>BRACKETS AND PLATES</u>			
551	23-186-974	1	BRG,PLATE,RB
552	17-642-533	1	ANGLE,STL,GALV
553	10-221-057	1	ANGLE,MTG,STL,GALV
<u>PIPE GALVANIZED</u>			
661	01-220-000	20	Ø1-1/4",SCH40,GALV,PIPE 2 @ 10'- 0"
662	01-220-000	8	Ø1-1/4",SCH40,GALV,PIPE 1 @ 8'- 0"
663	01-221-000	15	Ø2",SCH40,GALV,PIPE 1 @ 15'- 0"
<u>MOUNTING HARDWARE</u>			
771	06-000-021	2	HEX,BOLT,SG, 1/2 X 1 1/2
772	06-001-002	2	HEX,NUT,SG,1/2"
773	06-004-002	2	LOCKWASHER,SG,1/2"
774	06-000-044	4	HEX,BOLT,SG, 5/8 X 2"
775	06-001-003	4	HEX,NUT,SG,5/8"
776	06-004-003	4	LOCKWASHER,SG,5/8"
777	06-003-003	8	FLATWASHER,SG,5/8"
<u>STRUCTURE HARDWARE</u>			
881	06-000-044	20	HEX,BOLT,SG, 5/8 X 2"
882	06-001-003	20	HEX,NUT,SG,5/8"
883	06-004-003	20	LOCKWASHER,SG,5/8"
884	06-003-003	20	FLATWASHER,SG,5/8"



INVERT. INSUL.
FOR VERT. MTG.

SINGLE POLE ASSY. DETAIL
(TYP-3 PLACES)

"X" = 15 3/8 (FULL OPEN/CLOSE)
17 7/8 (MID-POINT)
"Y" = 5 1/2 (FULL OPEN/CLOSE)
4 (MID-POINT)



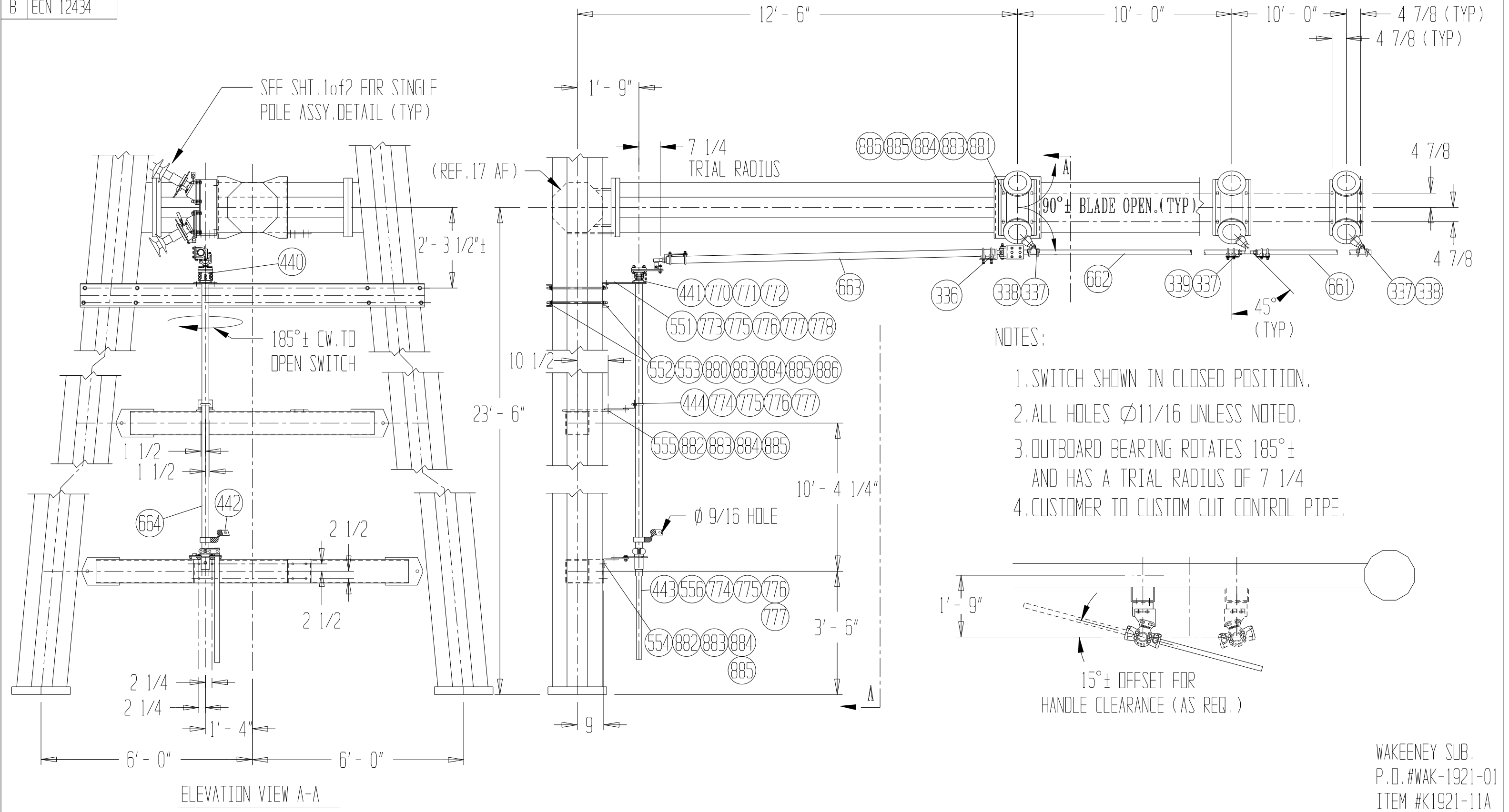
VIEW Z-Z
RIGHT HAND OPEN
SHOWN CLOSED

WAKEENEY SUB.
P.O. #WAK-1921-01
ITEM #K1921-11A

pascor

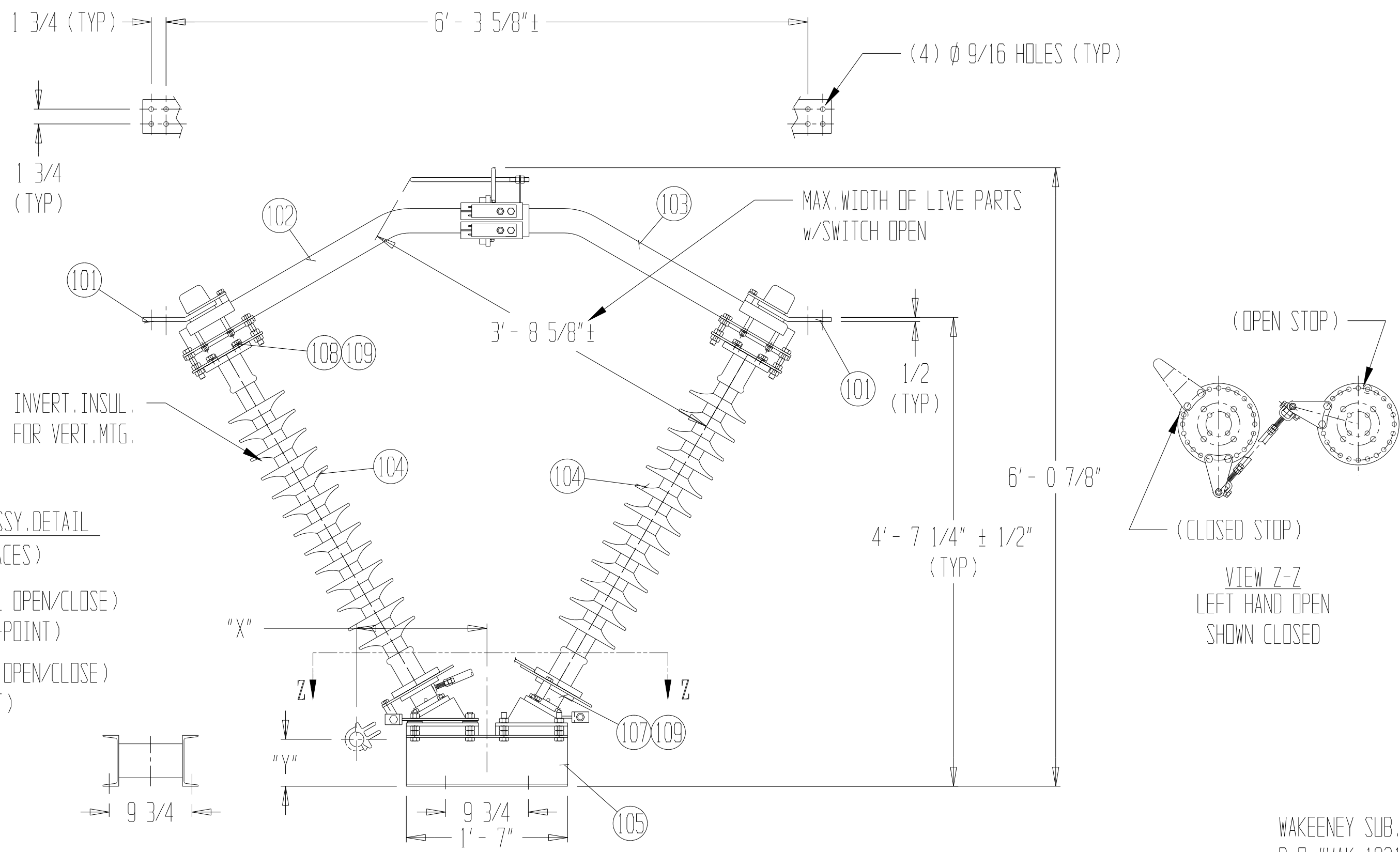
Matl. SEE 46-382-001.BOM				Name CONTROL MECH. & SWITCH, "CBSA" 115kV, 2000A, VERT. VALMONT SUBSTATION DWG. #BGH 494Z, -494A THRU -494J	
Sales Order	Scale	Dr. DGD	Sheet	Part No.	Rel.
21927A	1/12	4/12/24 Ck.	1 of 2	46-382-001	A

Rel.	Rev. & ECN #
B	ECN 12434



WAKEENEY SUB.
P.O. #WAK-1921-01
ITEM #K1921-11A

pascor				Matl. SEE 46-382-001.BOM		Name CONTROL MECH. & SWITCH, "CBSA" 115kV, 2000A, VERT. VALMONT SUBSTATION DWG. #BGH 494Z, -494A THRU -494J	
Sales Order 21927A		Scale 1/32	Dr. DGD 4/15/24 Ck.	Sheet 2 of 2	Part No. 46-382-001	Rel. B	

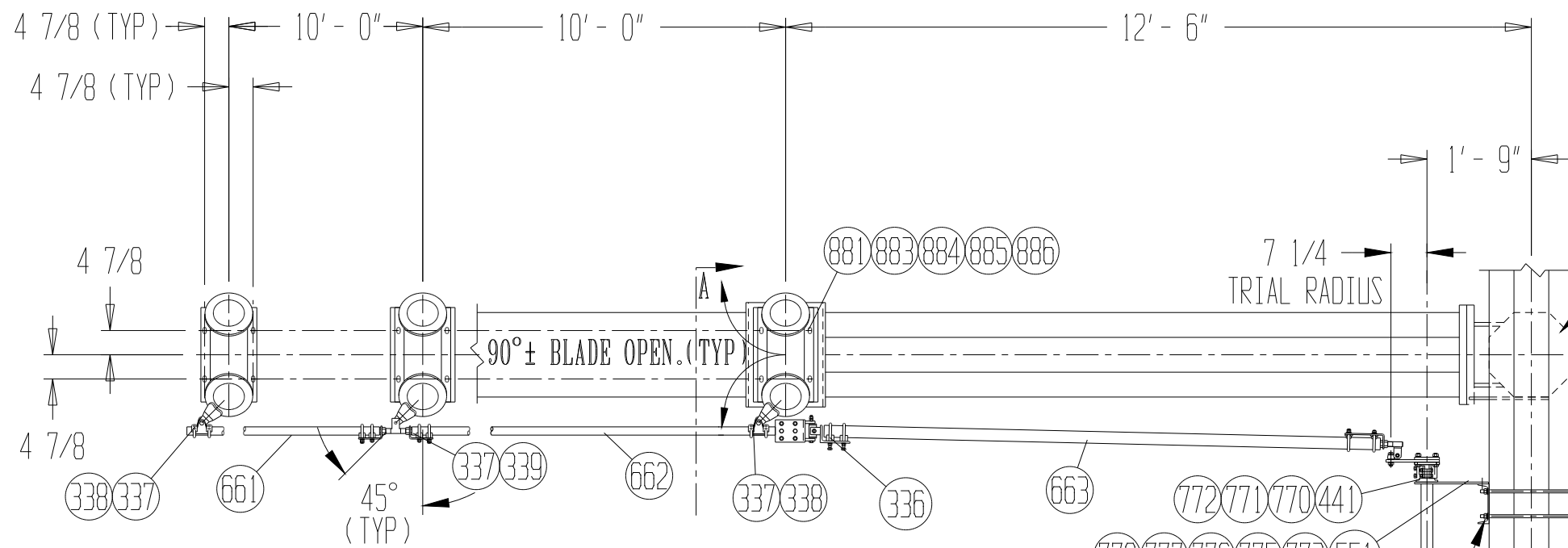


SINGLE POLE ASSY. DETAIL
(TYP-3 PLACES)

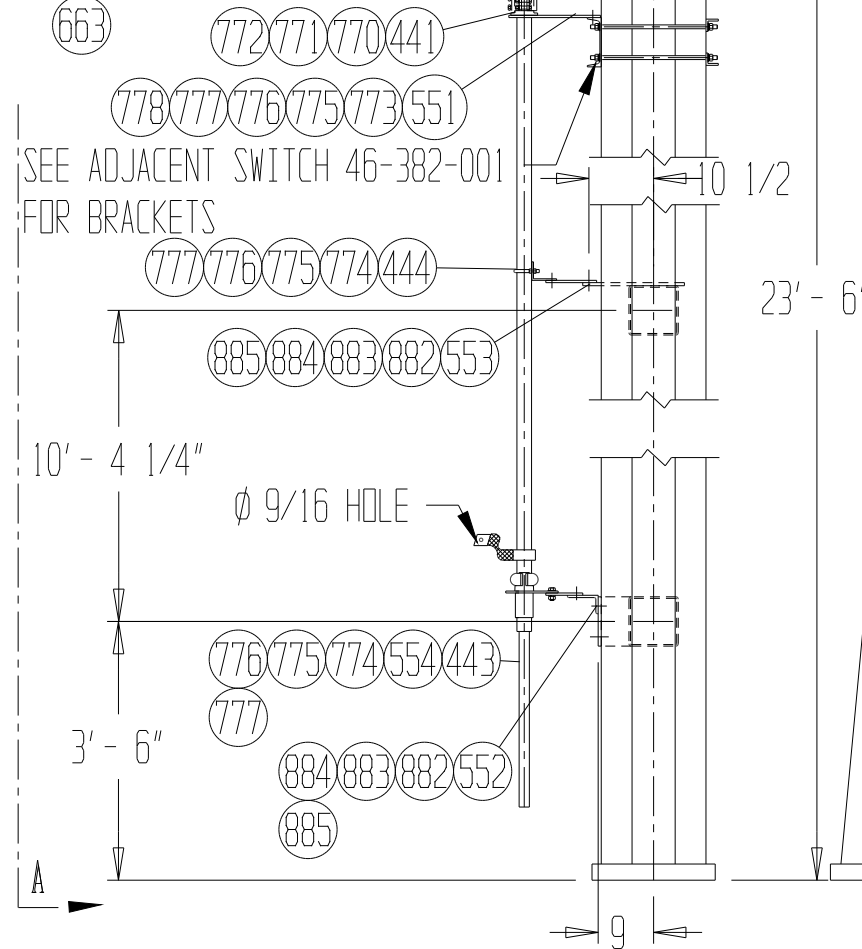
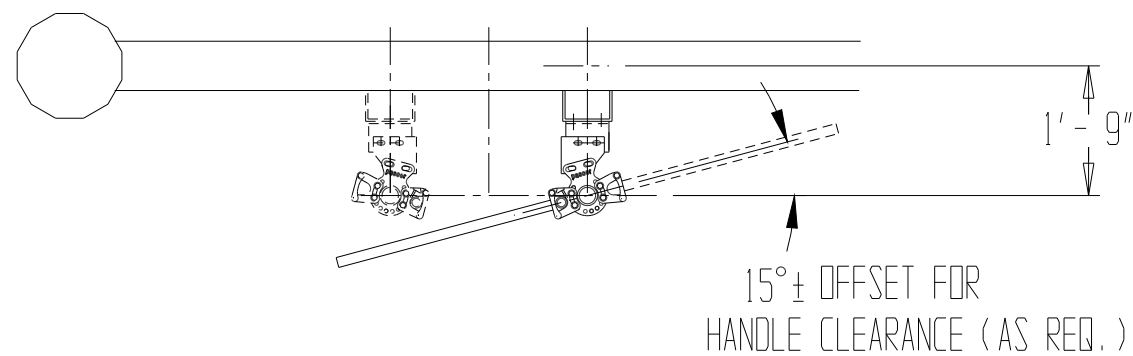
"X"= 15 3/8 (FULL OPEN/CLOSE)
17 7/8 (MID-POINT)
"Y"= 5 1/2 (FULL OPEN/CLOSE)
4 (MID-POINT)

WAKEENEY SUB.
P.O.#WAK-1921-01
ITEM #K1921-11A

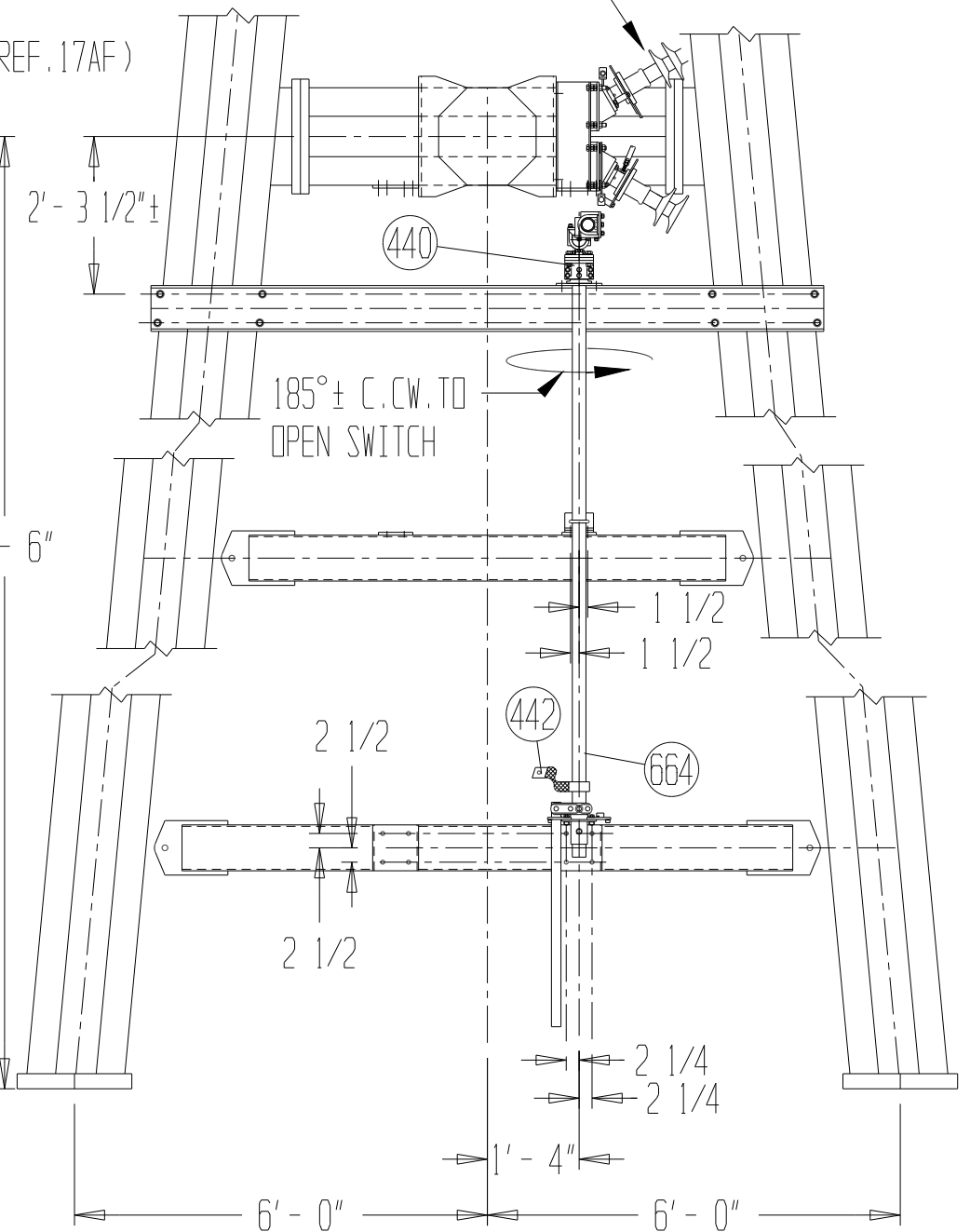
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		Sales Order 21927A	Scale 1/12	Dr.DGD 4/12/24 Ck.	Sheet 1 of 2	Part No. 46-383-001	Rel. A



- NOTES:
1. SWITCH SHOWN IN CLOSED POSITION.
 2. ALL HOLES $\varnothing 11/16$ UNLESS NOTED.
 3. OUTBOARD BEARING ROTATES $185^\circ \pm$ AND HAS A TRIAL RADIUS OF $7\frac{1}{4}$
 4. CUSTOMER TO CUSTOM CUT CONTROL PIPE.



SEE SHT. 1 of 2 FOR SINGLE POLE ASSY. DETAIL (TYP)



ELEVATION VIEW A-A

WAKEENEY SUB.
P.O. #WAK-1921-01
ITEM #K1921-11A

pascor

Matl. SEE 46-383-001.BOM

Name CONTROL MECH. & SWITCH, "CBSA" 115kV, 2000A, VERT. VALMONT SUBSTATION DWG. #BGH 494Z, -494A THRU -494J

Sales Order
21927A

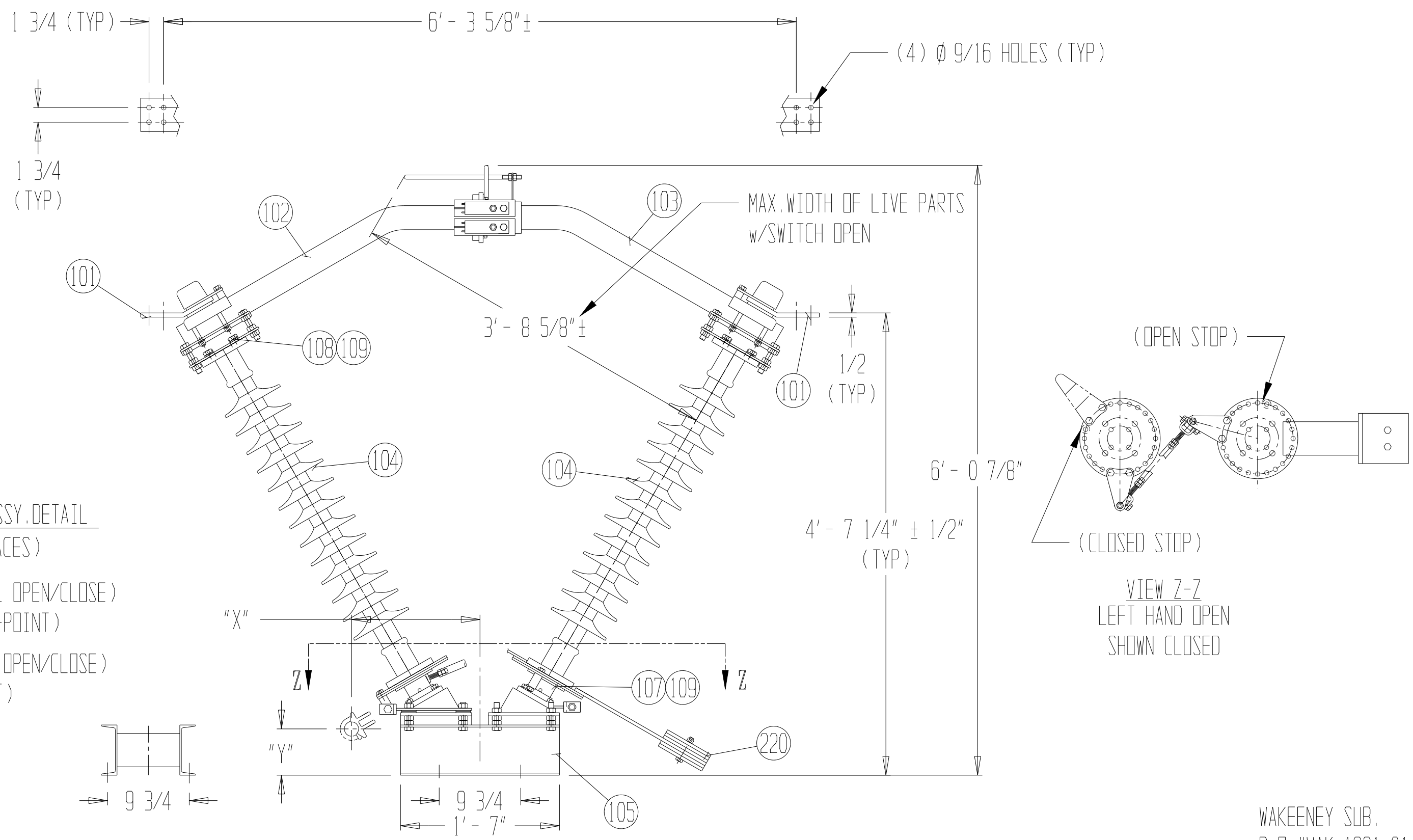
Scale
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Dr. DGD 4/15/24
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Sheet
2 of 2

Part No.
46-383-001

Rel.
B



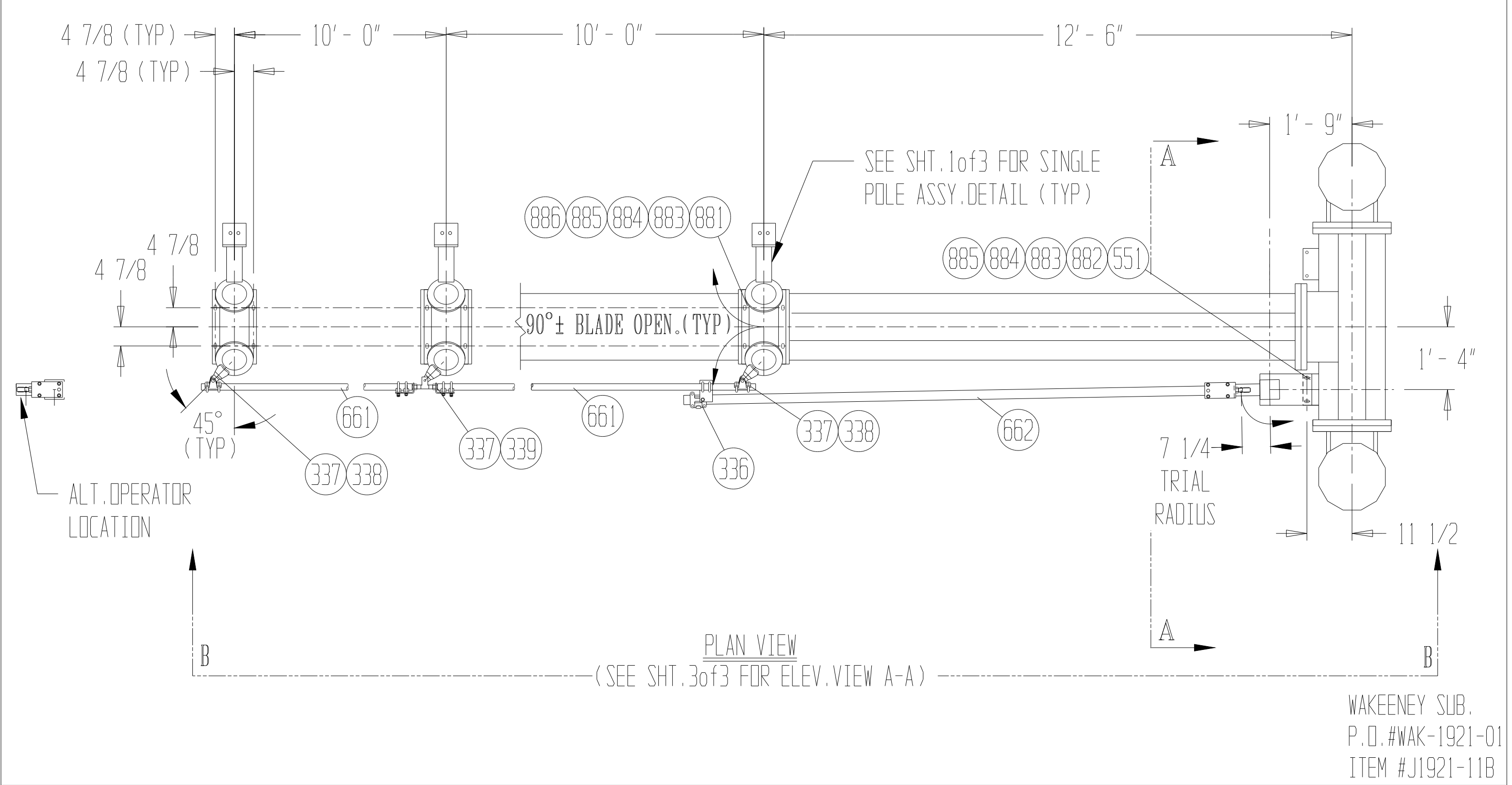
SINGLE POLE ASSY. DETAIL
(TYP-3 PLACES)

"X"= 15 3/8 (FULL OPEN/CLOSE)
17 7/8 (MID-POINT)
"Y"= 5 1/2 (FULL OPEN/CLOSE)
4 (MID-POINT)

WAKEENEY SUB.
P.O.#WAK-1921-01
ITEM #J1921-11B

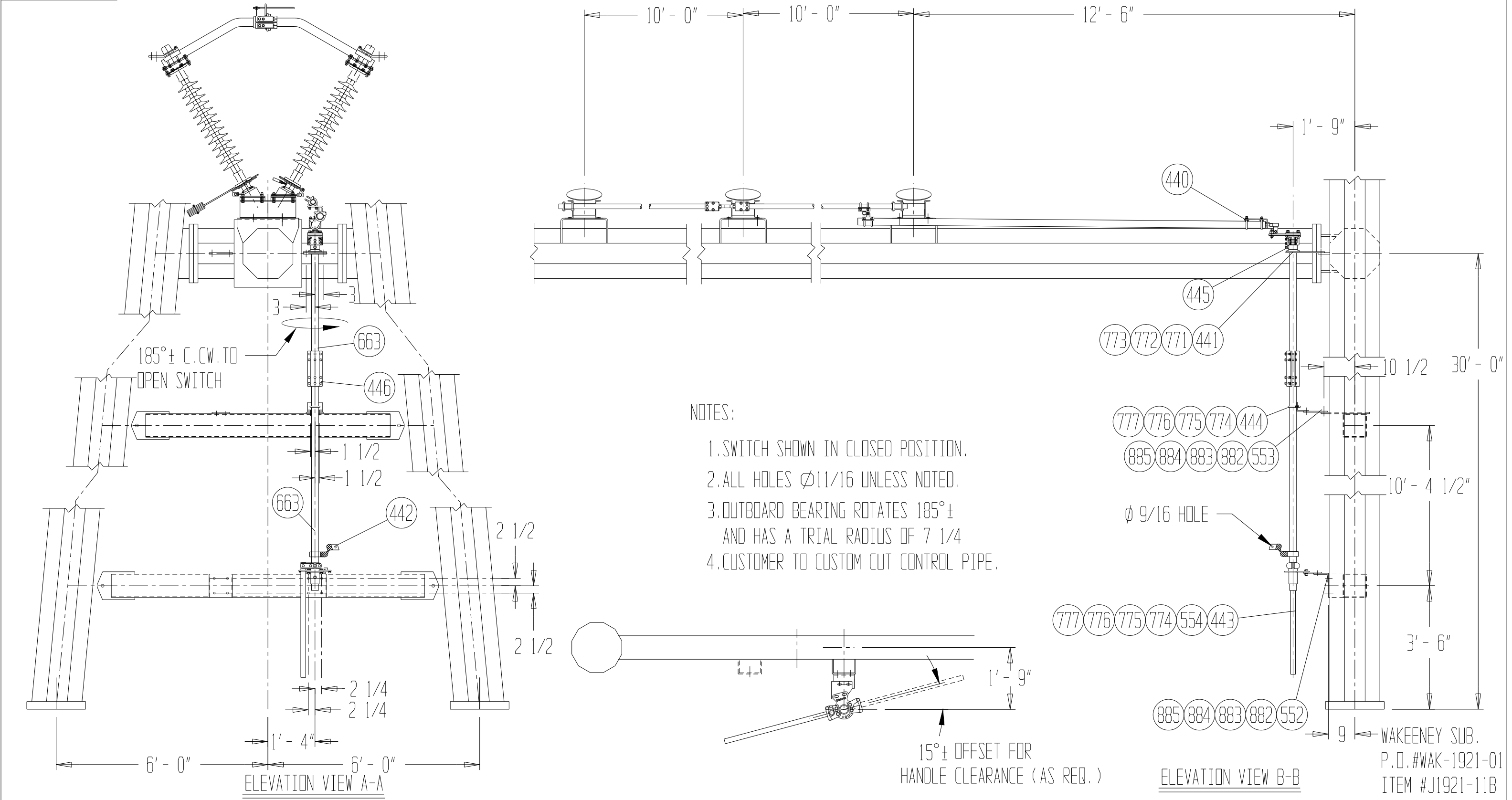
pascor		Matl. SEE 46-384-001.BOM				None CONTROL MECH.& SWITCH,"CBSA"115kV,2000A,HORIZ. VALMONT SUBSTATION DWG.#BGH 494Z,-494A THRU -494J	
		Sales Order 21927A	Scale 1/12	Dr.DGD 4/12/24 Ck.	Sheet 1 of 3	Part No. 46-384-001	Rel. A

Rel.	Rev. & ECN #
B	ECN 12434

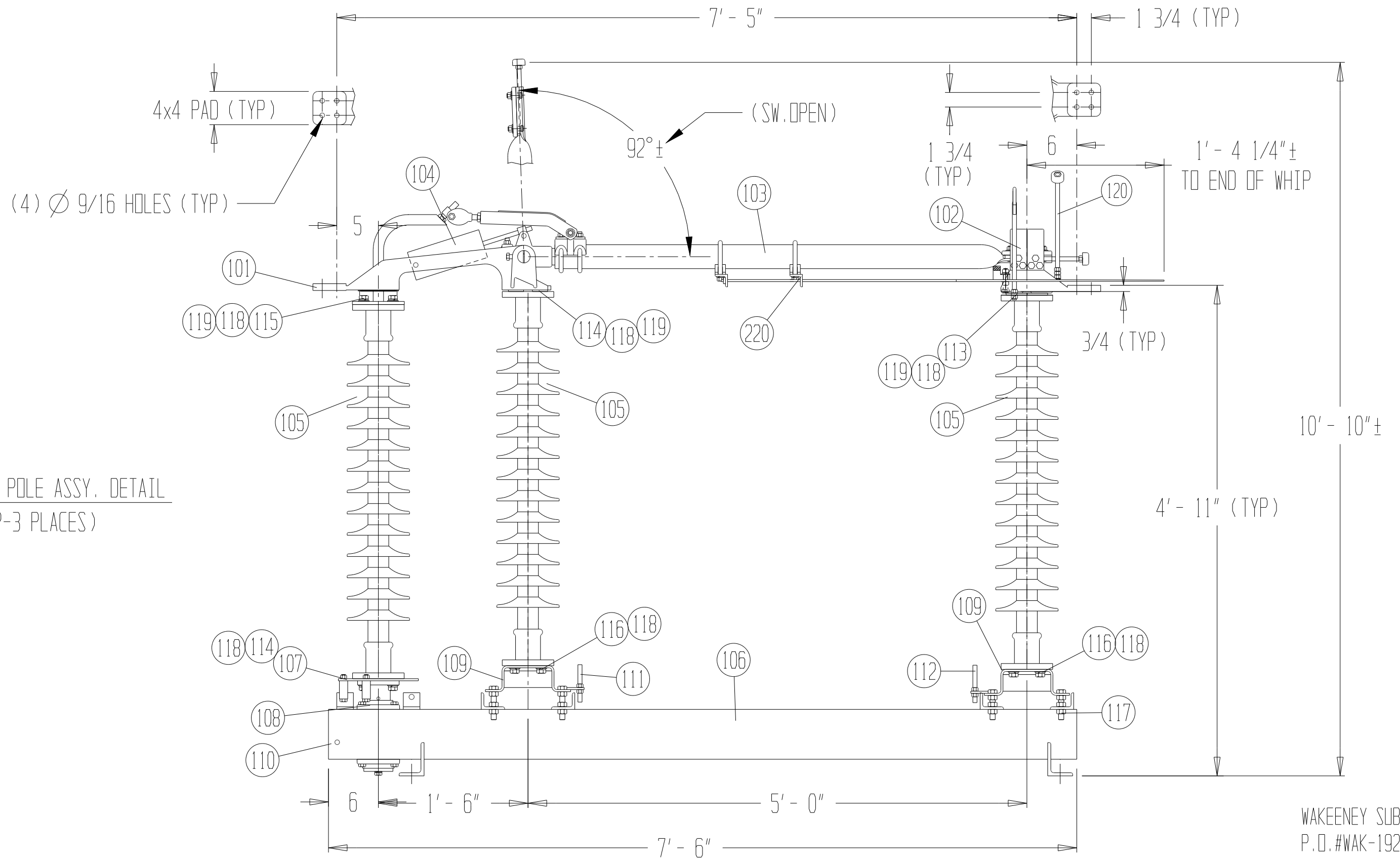


pascor		Matl. SEE 46-384-001-001.BOM				Name CONTROL MECH. & SWITCH, "CBSA" 115kV, 2000A, HORIZ. VALMONT SUBSTATION DWG. #BGH 494Z, -494A THRU -494J	
		Sales Order 21927A	Scale 1/24	Dr. DGD 4/12/24 ck.	Sheet 2 of 3	Part No. 46-384-001	Rel. B

Rel.	Rev.& ECN #
B	ECN 12434



pascor				Matl. SEE 46-384-001.BOM		Name CONTROL MECH.& SWITCH,"CBSA" 115kV,2000A,HORIZ. VALMONT SUBSTATION DWG.#BGH 494Z,-494A THRU -494J	
Sales Order 21927A		Scale 1/32	Dr.DGD 4/12/24 Ck.	Sheet 3 of 3	Part No. 46-384-001	Rel. B	



SINGLE POLE ASSY. DETAIL
(TYP-3 PLACES)

WAKEENEY SUB.
P.O. #WAK-1921-01
ITEM #J1921-11C

pascor

Matl. SEE 46-386-001.BOM

NAME; CONTROL MECH. & SWITCH, "VBPA" 115kV, 2000A, HORIZ.
VALMONT SUBSTATION DWG. #327905Z, 327905A THRU E

Sales Order
21927A

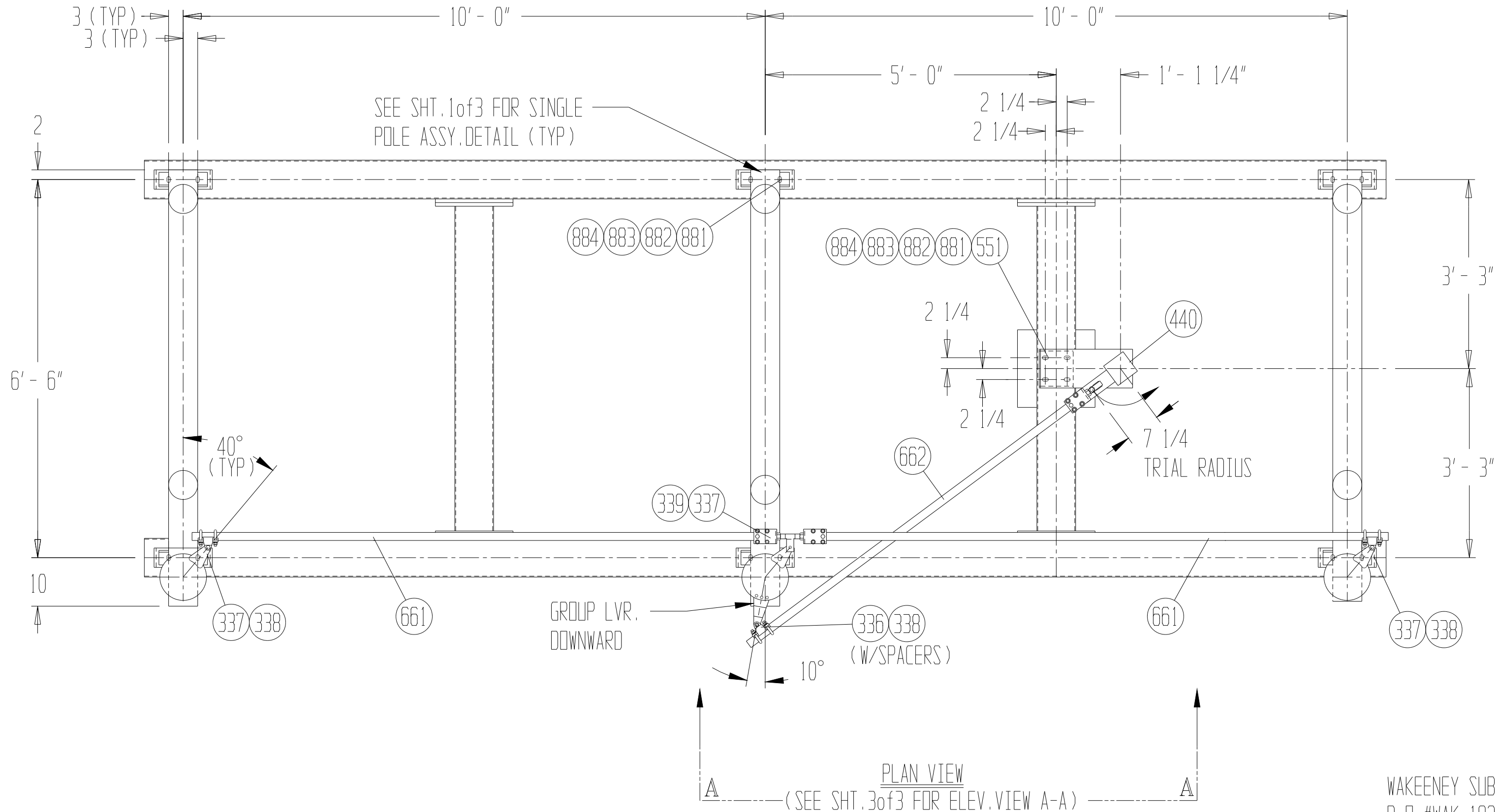
Scale
1/12

Dr. DGD 4/16/24
Ck.

Sheet
1 of 3

Part No.
46-386-001

Rel.
A



pascor

Motl. SEE 46-386-001.BOM

NAME; CONTROL MECH. & SWITCH, "VBPA" 115kV, 2000A, HORIZ.
VALMONT SUBSTATION DWG. #327905Z, 327905A THRU E

Sales Order
21927A

Scale
1/20

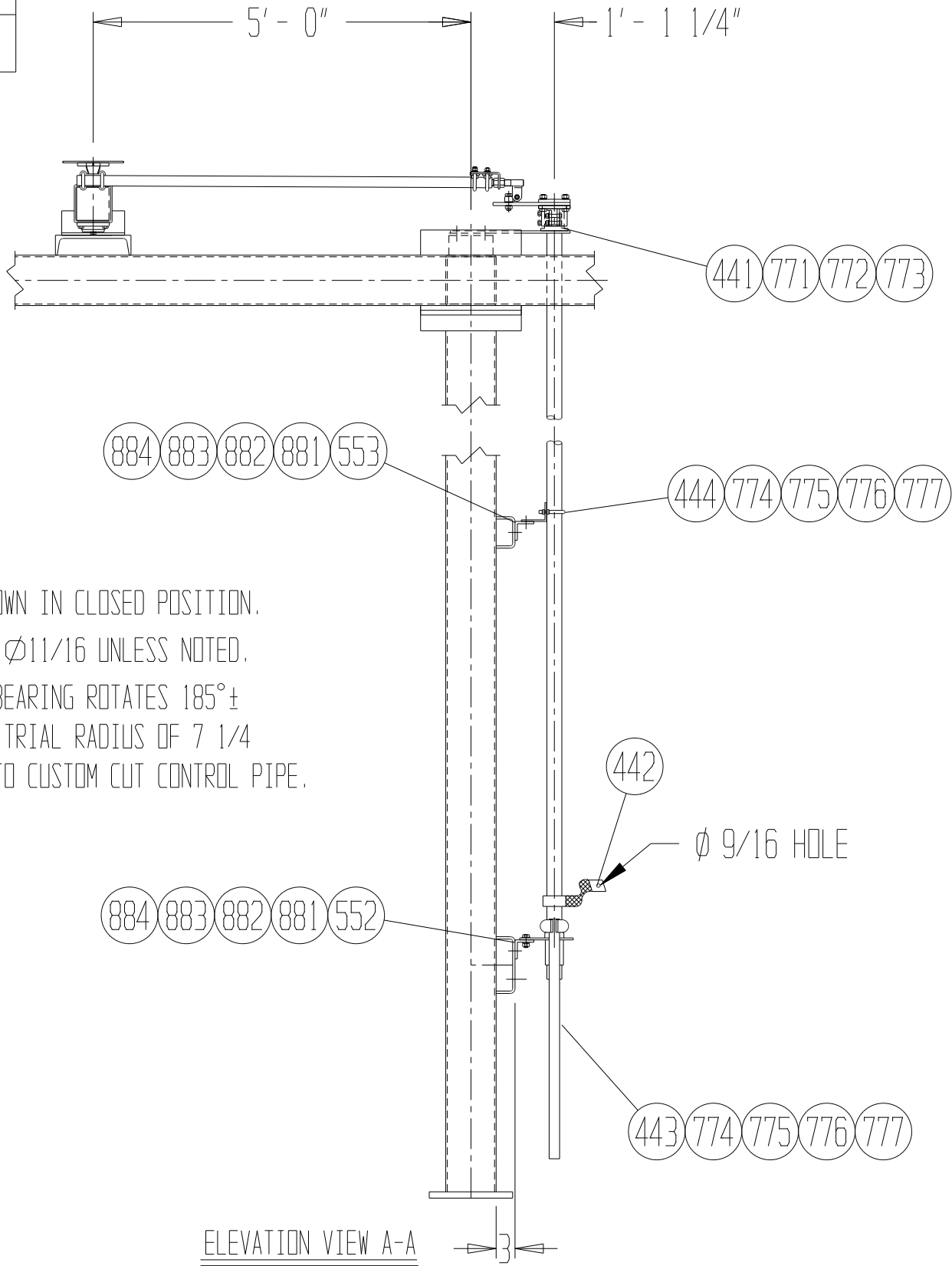
Dr. DGD 4/16/24
ck.

Sheet
2 of 3

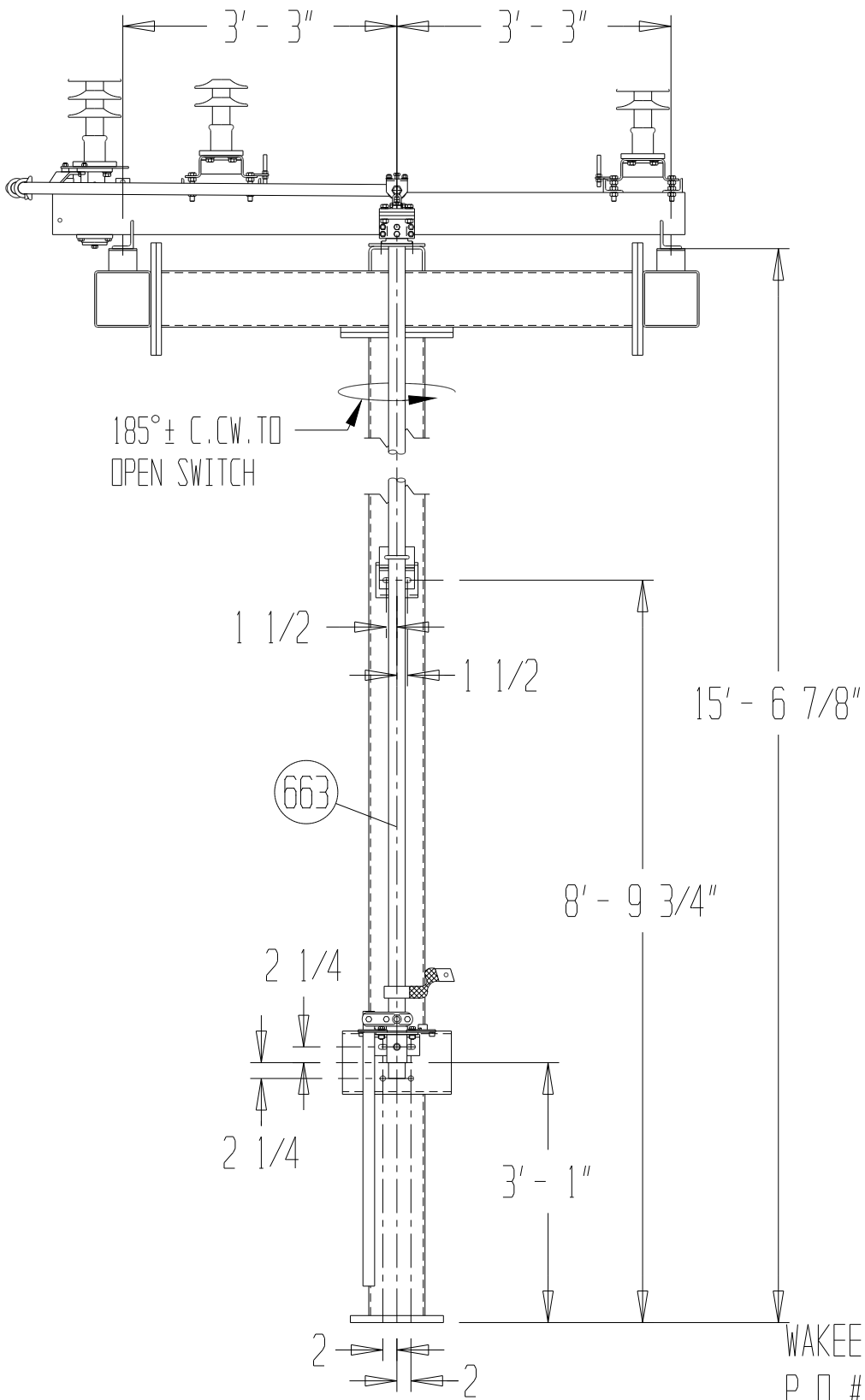
Part No.
46-386-001

Rel.
A

Rel.	Rev. & ECN #
B	ECN 12434



- NOTES:
1. SWITCH SHOWN IN CLOSED POSITION.
 2. ALL HOLES Ø11/16 UNLESS NOTED.
 3. OUTBOARD BEARING ROTATES 185°± AND HAS A TRIAL RADIUS OF 7 1/4
 4. CUSTOMER TO CUSTOM CUT CONTROL PIPE.

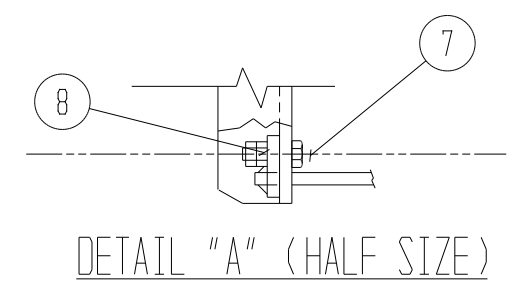
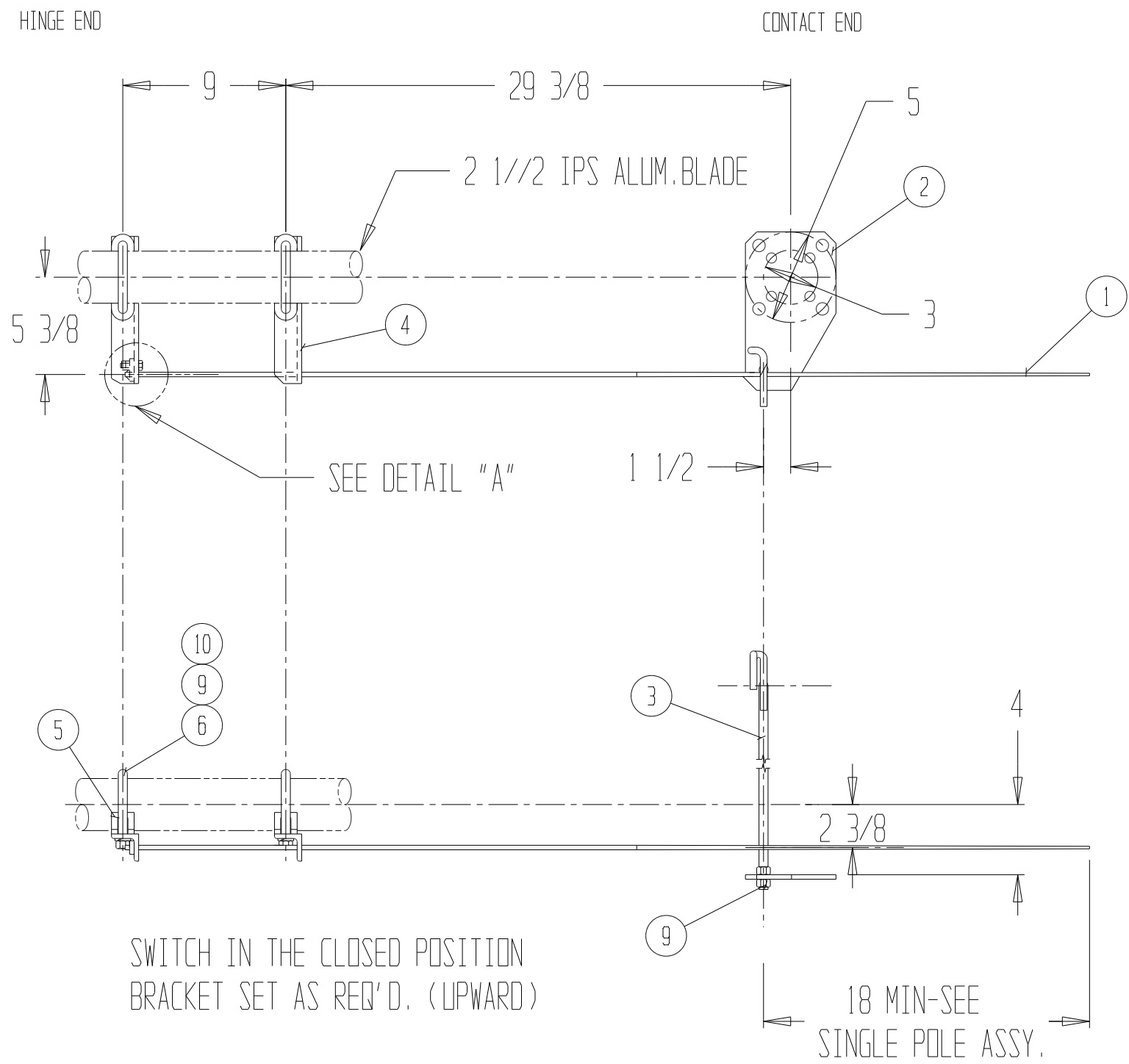


WAKEENEY SUB.
P.O. #WAK-1921-01
ITEM #J1921-11C

pascor

Matl. SEE 46-386-001.BOM				NAME; CONTROL MECH. & SWITCH, "VBPA" 115kV, 2000A, HORIZ. VALMONT SUBSTATION DWG. #327905Z, 327905A THRU E	
Sales Order 21927A	Scale 1/24	Dr. DGD 4/16/24 Ck.	Sheet 3 of 3	Part No. 46-386-001	Rel. B

Rel.	Rev. & ECN #	
B	1	ECN 5546
C	2	ECN 11492

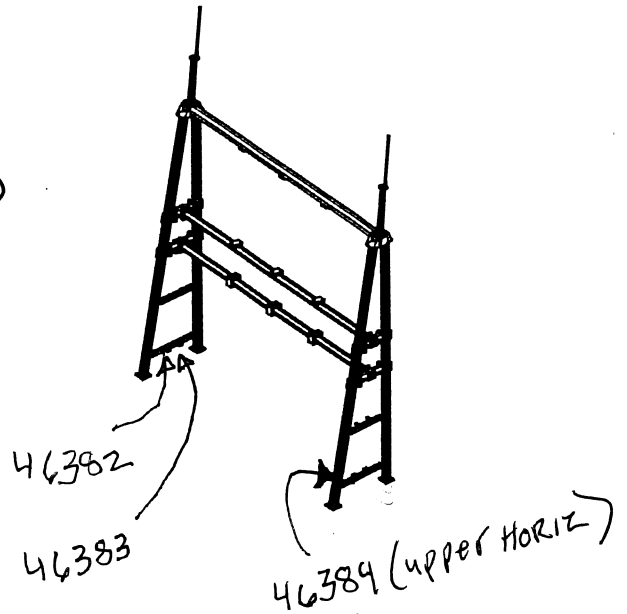


1	11	OMIT	-	BELLEVILLE WASHER, 1/2, SS
	10	06-009-003	4	LOCKWASHER, 1/2, SS
	9	06-006-003	6	HEX. NUT, 1/2, SS
	8	06-006-001	2	HEX. NUT, 1/4, SS
	7	06-005-003	1	HEX. BOLT, 1/4" X 1", SS
	6	10-150-091	2	U-BOLT, 1/2, SS
	5	10-635-001	2	SADDLE, 2 1/2 IPS. ALUM.
	4	10-106-552	2	ANGLE, ALUM.
	3	10-256-001	1	HORN, VB, WHIP, CATCHER, WELD
	2	10-161-011	1	BAR, FLAT, STEEL
2	1	10-257-002	1	WHIP. WELDMENT
	ITEM	PART NO.	QTY.	DESCRIPTION

pascor

Matl. SEE ABOVE BOM				Name HORN, VBPA, 2000A, WHIP, ASSY	
Finish N/A	Scale 1/8	Dr. RTC 2-4-98 Ck.	Sheet 1 of 1	Part No. 10-258-056	Rel. C

BGH494Z



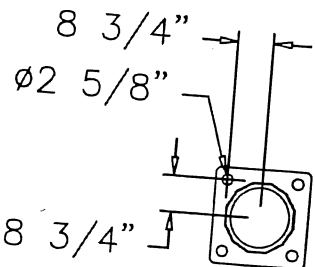
S.O. #1-A
1-B
1/2
1

GH494D

GH494J

GH494H

4"
2'-0"



SECTION A-A

AFA115506710000

ION
/A

DRAWN

KLK2

CHECKED

MATERIAL N/A

0.