UNDERGROUND COMPONENTS

DRAWING NUMBER	SHT.	DRAWING TITLE	DWG REV.	BOM REV.
B-26-00	**1 – 1**	**GENERAL INFORMATION**	**0**	
B-26-46	**1 – 4**	**SERVICE PEDESTAL – PLASTIC**	**F/A/A**	**E**
B-26-46	**5**	**SERVICE PEDESTAL CONNECTION ARRANGEMENT AND CABLE MARKING DETAILS**	**A**	
B-26-46	**6 – 7**	**SERVICE PEDESTAL – STEEL**	**A**	**A**
B-26-47	**1 – 2**	**COMBINATION STREET LIGHT / SERVICE PEDESTAL**	**C**	**0**
B-26-50	**1 – 2**	**RURAL 1Ø SWITCHING CUBICLE**	**E**	**C**
B-26-60	**1 – 2**	**RURAL 1Ø REACTOR, DEAD-FRONT LOAD-BREAK**	**D**	**D**
B-26-61	**1 – 2**	**RURAL 1Ø REACTOR WITH RADIAL**	**C**	**B**
B-26-65	**1 – 2**	**VEHICLE BARRIER**	**D**	**A**
B-26-66	**1 – 2**	**CATTLE BARRIER FOR PADMOUNT TRANSFORMER**	**C**	**C**
B-26-70	**1 – 4**	**FOUR WAY 3Ø SWITCHING CUBICLE**	**0/A/0**	**D**
B-26-71	**1 – 2**	**THREE WAY 1Ø SWITCHING CUBICLE**	**B**	**B**
B-26-73	**1 – 2**	**URBAN 3Ø VAULT ACCESSORIES**	**C**	**D**
B-26-74	**1 – 1**	**INTERMEDIATE PRE-CAST CONCRETE BOX PAD**	**0**	
B-26-75	**1 – 3**	**URBAN 3Ø VAULTS**	**F/A/A**	
B-26-76	**1 – 3**	**CLEARANCE REQUIREMENTS FOR TRANSFORMER TO WALLS**	**0/0/B**	
B-26-77	**1 – 2**	**URBAN 3Ø MODULAR VAULT**	**E / B**	
B-26-79	**1 – 5**	**3Ø PADMOUNT VISTA SWITCH**	**B/0/A**	**C / B**
B-26-80	**1 – 2**	**BARB WIRE FENCE REPAIR**	**0**	**0**
B-26-81	**1 – 3**	**GROUND LEVEL PULL BOX**	**0 / 0**	**0**

*Sask**Power*** - DISTRIBUTION STANDARDS

APPROVAL	DESIGN CHK	DRN. **PP**	**INDEX**
L MOEN	**P PATEL**	CHKD. **LM**	
		2022/02/23	

DATE OF ISSUE: **2022-08-15** | DRAWING NO: **B-26-INDEX** | **SHEET 1 of 1** | REV.**AB**

BACK TO INDEX PAGE

1. TAKE–OFF STRUCTURES

RURAL & URBAN TAKE–OFF STRUCTURE INSTALLATION DETAILS AND MATERIAL REQUIREMENTS ARE SHOWN IN SECTION B–12 & B–14

2. SWITCHING CUBICLES (RURAL)

SWITCHING CUBICLES MAY BE UTILIZED ON A UNDERGROUND PROJECT WHEREVER A "NORMALLY OPEN" POINT IS REQUIRED (i.e., AT THE CENTER OF A LOOP) OR WHERE A "T" TAP OCCURS. THEY SHOULD BE LOCATED AT THE EDGE OF ROAD ALLOWANCES WHEREVER POSSIBLE.

EACH RURAL CUBICLE WILL CONTAIN A 25 kV, 200 AMP, FEED–THROUGH MODULE COMPLETE WITH TWO PARKING STANDS AND FOUR LOAD BREAK BUSHINGS. THE CUBICLES ARE SIMILAR IN SIZE AND APPEARANCE TO A PADMOUNTED TRANSFORMER, AND WILL BE MOUNTED ON A FIBERGLASS BOX PAD.

ANY MODULE BUSHINGS WHICH ARE NOT REQUIRED FOR NORMAL OPERATION MUST BE COVERED WITH LOAD BREAK CAP. IF FUTURE EXPANSION OF THE RUD SYSTEM OCCURS, THE UNUSED BUSHING(S) CAN BE USED FOR NEW SECTIONS OF CABLE. DRAWING B–26–50 DEPICTS A TAKE–OFF/JUNCTION OPERATION.

DURING SWITCHING OPERATIONS AND/OR WHEN A CABLE SECTION MUST BE "PARKED", THE "OPEN" CABLE ENDS MUST BE PROTECTED WITH ELBOW–TYPE ARRESTERS. FOR EACH CABLE TO BE PROTECTED, A FEED–THROUGH BUSHING MUST BE INSTALLED ON ONE OF THE PARKING STANDS IN THE CUBICLE, WITH THE CABLE END PLACED ON ONE SIDE OF THE FEED–THROUGH AND THE ELBOW–TYPE ARRESTER PLACED ON THE OTHER SIDE OF THE FEED–THROUHG. DRAWING B–26–50 DEPICTS A "NORMAL OPEN" SITUATION.

3. REACTORS (RURAL)

REACTORS ARE INSTALLED ON EACH UNDERGROUND PROJECT, TO INTRODUCE INDUCTIVE REACTANCE INTO THE CIRCUIT TO OFFSET THE VOLTAGE RISE ON THE O/H DISTRIBUTION LINE CREATED BY THE CAPACITIVE (LEADING) CURRENT DRAWN THROUGH A REACTIVE LINE.

THE REACTORS WILL BE AVAILABLE TO DESIGN REQUIREMENTS (100, 200 kVAR SIZES). THEY WILL BE MOUNTED ON A STANDARD FIBERGLASS BOX PAD AS SHOWN IN DRAWING B–26–60

THE SOURCE LINE SIDE (INCOMING) CABLE IS INSTALLED ON THE H1A (FARTHEST LEFT) BUSHING, THE LOAD SIDE (OUTGOING) CABLE IS INSTALLED ON THE H1B (CENTER) BUSHING, AN ELBOW–TYPE ARRESTER IS TO BE PLACED ON THE THIRD BUSHING, IF SO EQUIPPED.

PROTECTIVE BARRIER (RURAL)

SUITABLE PROTECTION FOR THE TRANSFORMER, OR PADMOUNT DEVICE, FROM LIVESTOCK AND/OR MACHINERY SHALL BE PROVIDED IF DEEMED NECESSARY. THE PROTECTION MAY BE IN THE FORM OF STEEL OR WOOD POSTS ON THE CORNERS WITH RAILS. EASE OF OPERATION WITH LIVE LINE TOOLS IS MANDATORY. SEE DRAWING B–26–65.

BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY A	QUANTITY B	QUANTITY C	DESCRIPTION
1	5 06 51	1	-	-	PEDESTAL – PLASTIC – 1 COMPARTMENT
1	5 06 52	-	1	-	PEDESTAL – PLASTIC – 2 COMPARTMENT
1	5 06 63	-	-	1	PEDESTAL – PLASTIC – 3 COMPARTMENT
2	5 09 XX	1	1	1	CRIMPIT
3	7 66 07	1	1	1	PADLOCK – KEY 370
4	5 06 48	3	3	3	TERMINAL BLOCK – 8 OUTLET – SEE NOTE 1
5	70 29 11	36	36	36	TYRAP – BLACK – 11" – SEE NOTE 2
6	71 42 02	1/10	1/10	1/10	TAPE (ROLL)
7	05 382 3XX	180	180	180	TAG – SLEEVE TYPE – DIGIT – SEE NOTE 2
8	05 382 38X	18	18	18	TAG – SLEEVE TYPE – HOLDER – SEE NOTE 2
9	05 641 535	2	2	2	SIGN – BURIED CABLE
10	05 641 380	1	1	1	SIGN – DANGER – ELECTRICAL CIRCUITS
11	PURCHASE LOCALLY	1/2	1/2	1/2	SAND (m^3) – IF REQUIRED

NOTES:

1. TO REPLACE TERMINAL BLOCK COVER USE CODE 5 06 50.
2. NUMBER OF CABLE MARKERS, STRIPS AND TYRAPS IS DEPENDENT ON NUMBER OF CONDUCTORS IN PEDESTAL. QUANTITY SHOWN IS FOR 2 MAIN RUNS AND 4 SERVICES WITH 10 LETTERS/NUMBERS FOR EACH.
3. COLUMN 'D' FOR STEEL PEDESTALS IS ON PAGE 6.

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SaskPower - DISTRIBUTION STANDARDS			
APPROVAL	DESIGN CHK	DRN. **OFF**	**SERVICE PEDESTAL**
L MOEN	**O FRANCIS**	CHKD. **LM**	
		2020-12-08	
DATE OF ISSUE: **2021-01-20**	DRAWING NO. **B-26-46**	**SHEET 1 OF 7**	REV. **E**

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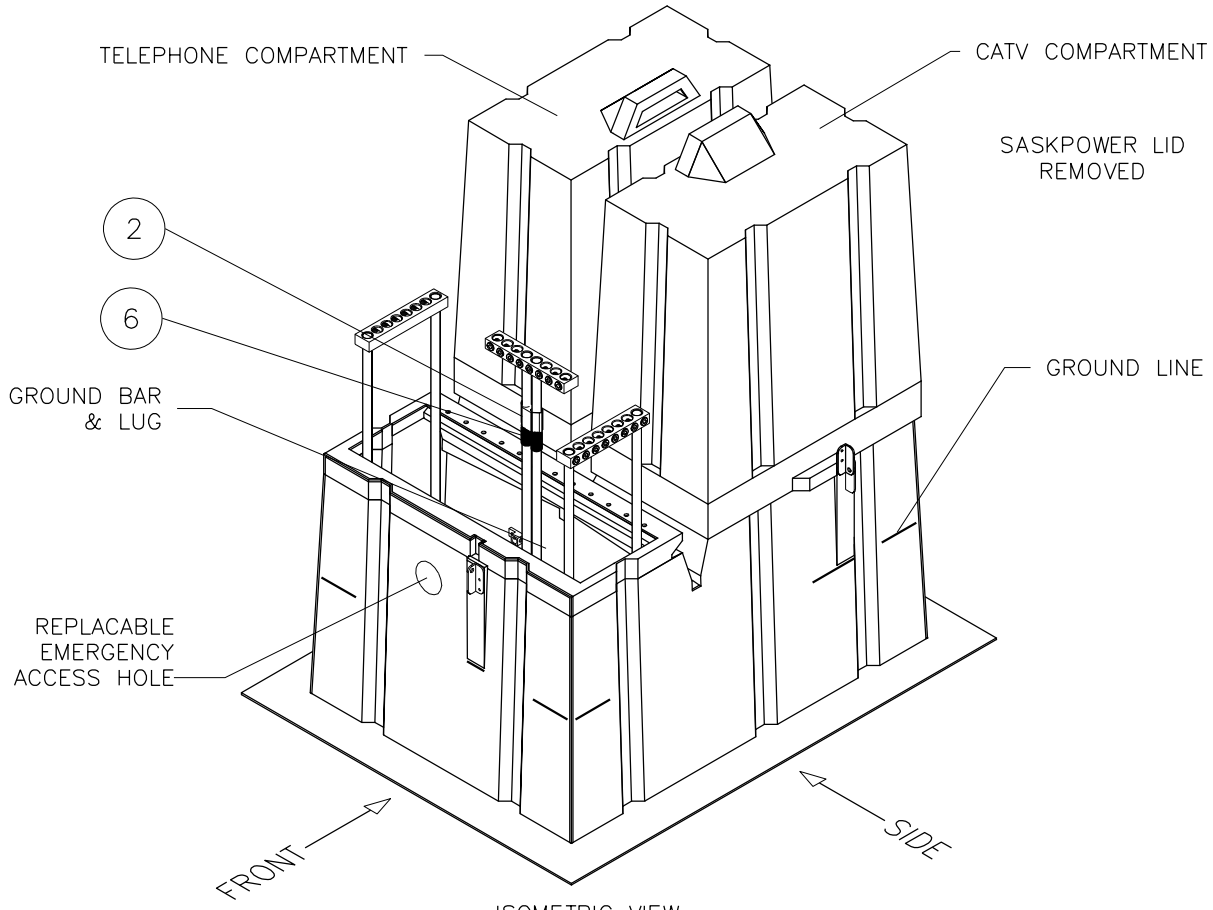
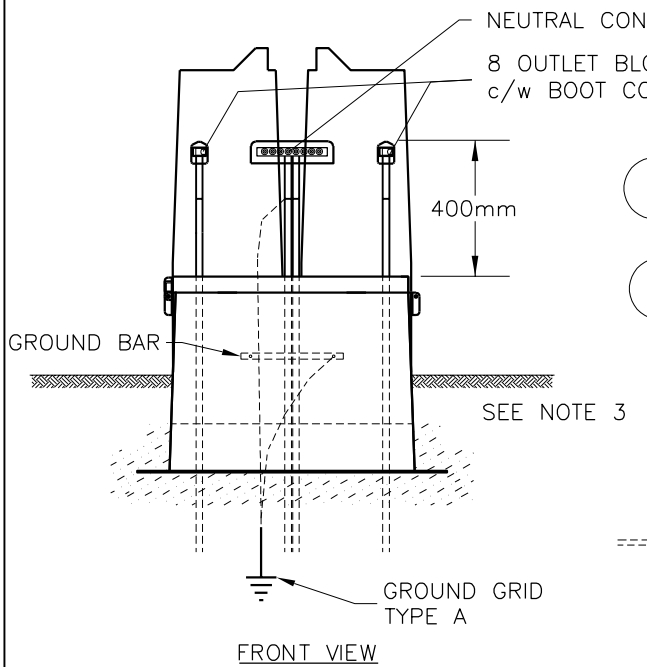
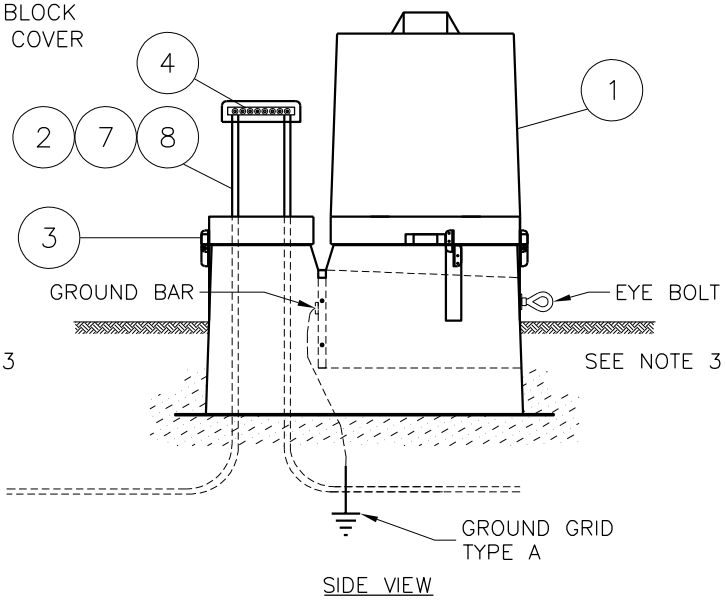


ISOMETRIC VIEW

NOTES:
1. FOR GROUNDING SEE DWG B-33-34.
2. WHERE A DOUBLE RUN IS REQUIRED ALL NON-SERVICE NEUTRALS MUST BE CRIMPED.
3. INCLUDE 100mm SAND BASE BELOW BOX PAD. SAND BASE TO ALSO BE PLACED 25mm AROUND SIDES OF BOX PAD UP TO 50mm BELOW GRADE.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.



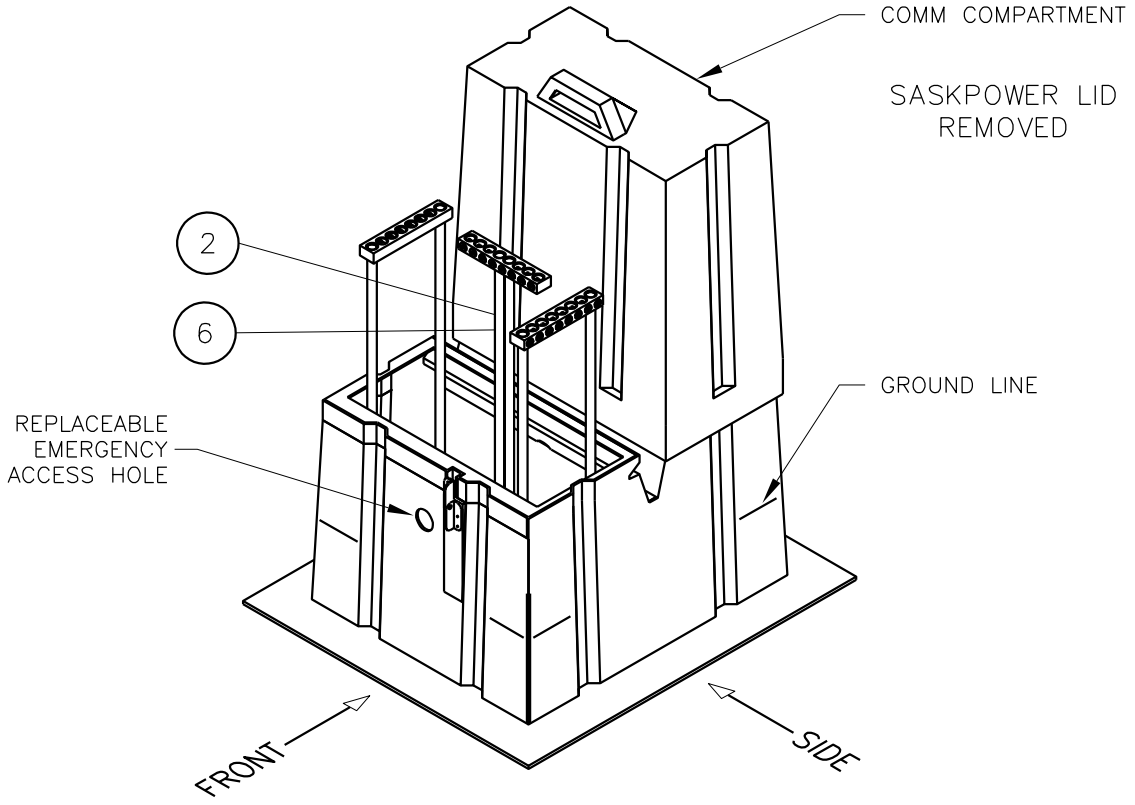
FRONT VIEW



SIDE VIEW

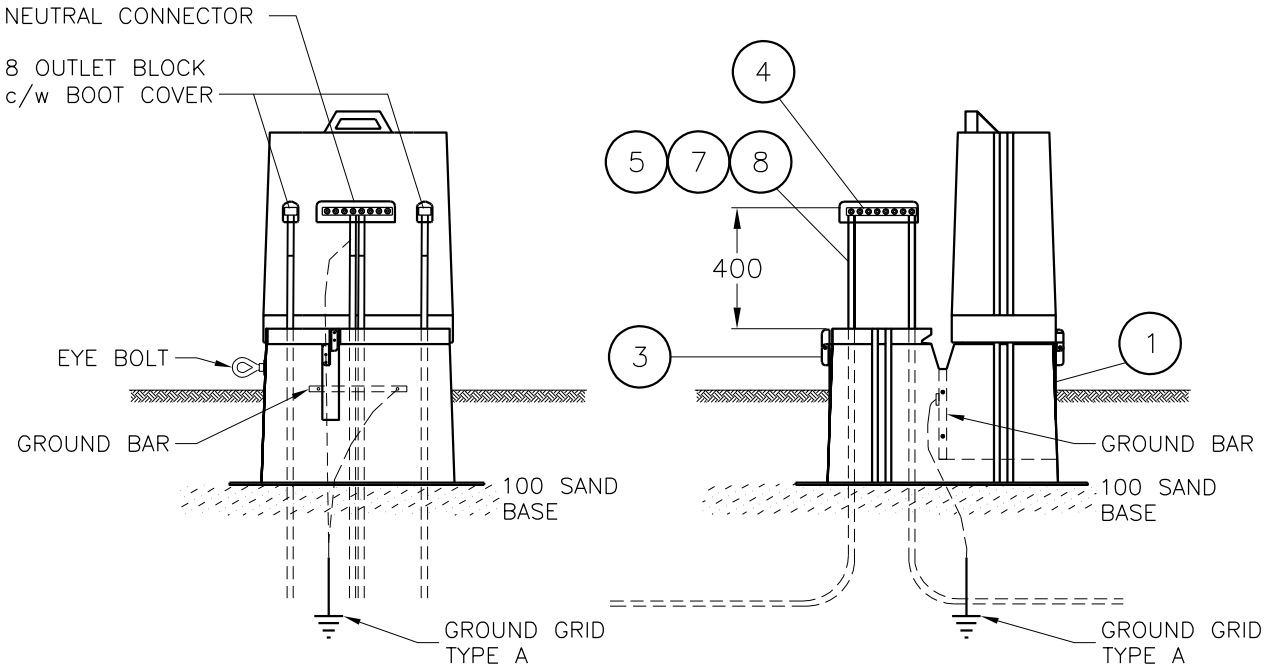
SCALE: N.T.S.

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL L.MOEN	DESIGN CHK. L.MOEN	DRN.D.REDEKOPP CHKD. 2021-01-11	3 COMPARTMENT SERVICE PEDESTAL
DATE OF ISSUE 2021-01-20	DRAWING NO. B-26-46	SHEET 2 of 7	REV. F



ISOMETRIC VIEW

NOTES:
1. FOR GROUNDING SEE DWG B-33-34.
2. WHERE A DOUBLE RUN IS REQUIRED ALL NON-SERVICE NEUTRALS MUST BE CRIMPED.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.



SIDE VIEW
(SECTIONAL)

SCALE: N.T.S.

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL L.MOEN	DESIGN CHK. L.MOEN	DRN.D.REDEKOPP CHKD. 2021-01-11	2 COMPARTMENT SERVICE PEDESTAL
DATE OF ISSUE 2021-01-20	DRAWING NO. B-26-46	SHEET 3 of 7	REV. A

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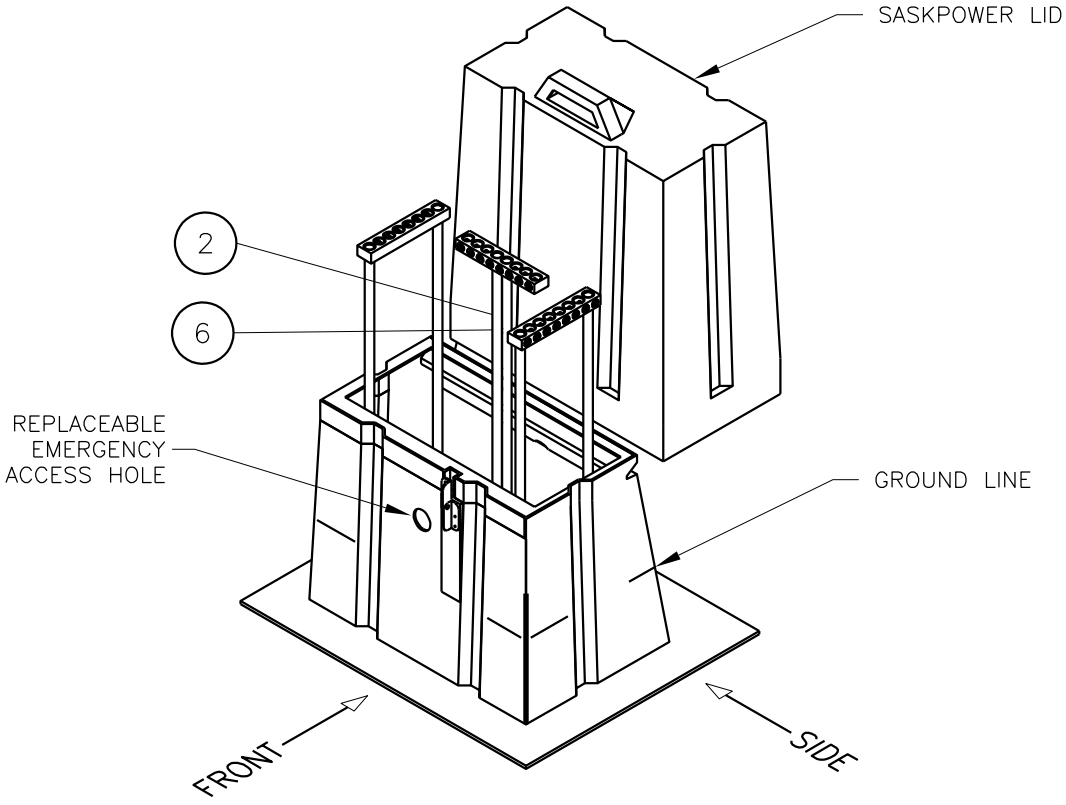
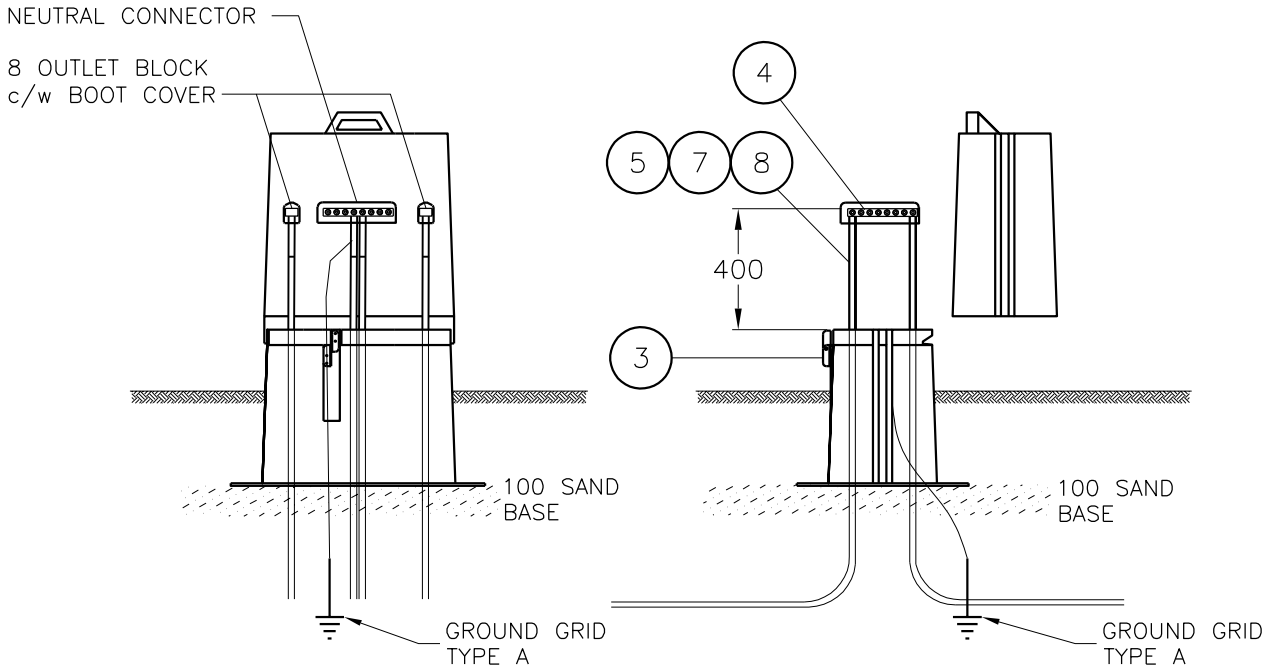


ISOMETRIC VIEW

NOTE:
1. FOR GROUNDING SEE DWG B-33-34.
2. WHERE A DOUBLE RUN IS REQUIRED ALL NON-SERVICE NEUTRALS MUST BE CRIMPED.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.

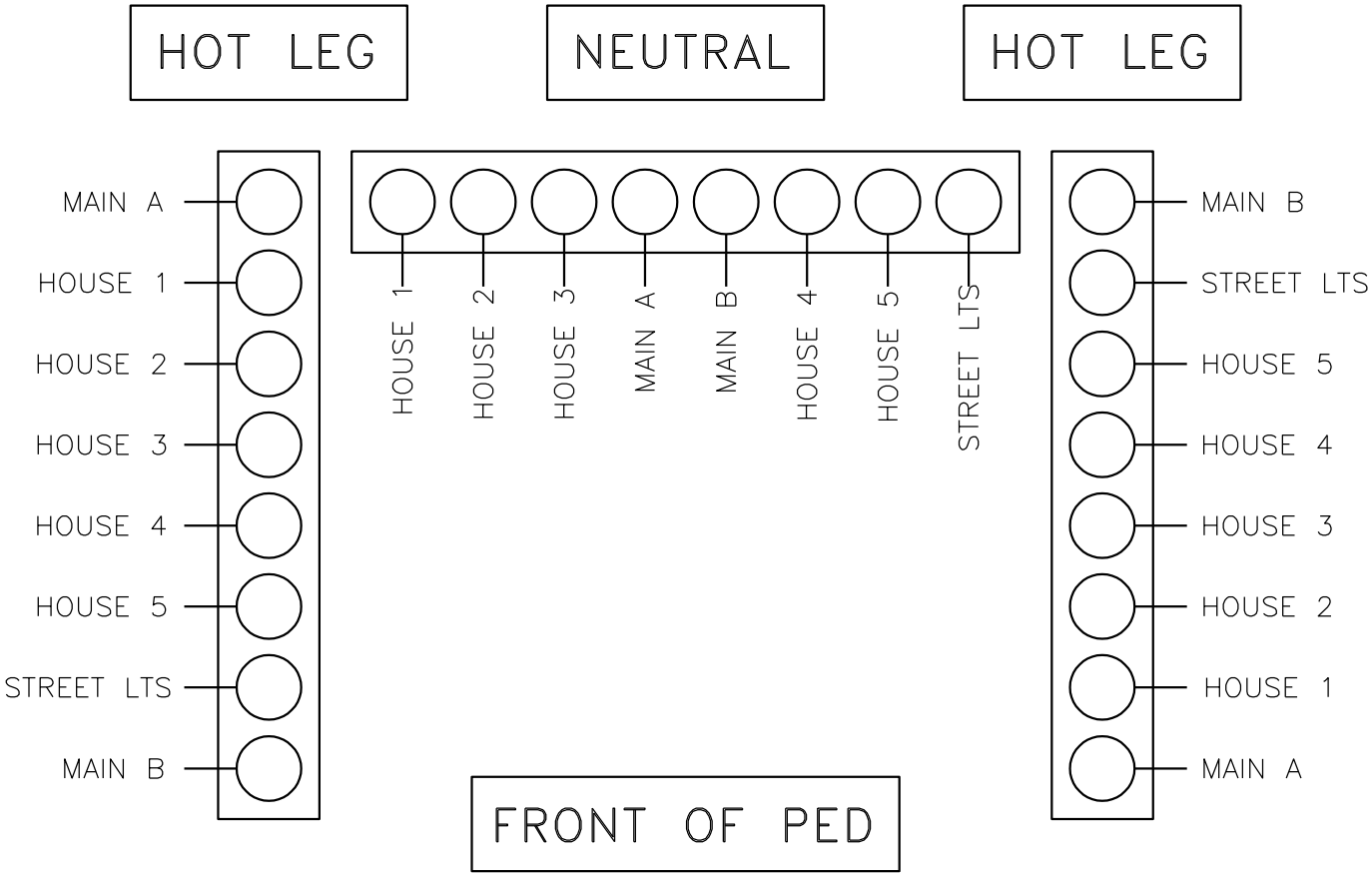


FRONT VIEW
(SECTIONAL)

SIDE VIEW
(SECTIONAL)

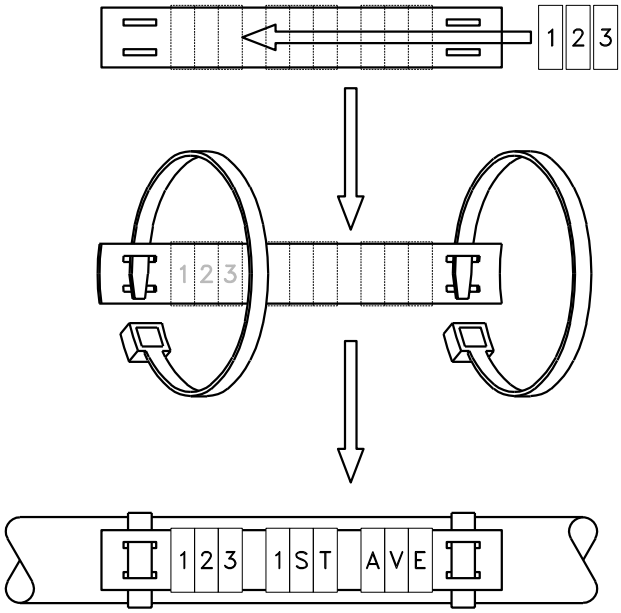
SCALE: N.T.S.

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL L. MOEN	DESIGN CHK. L.MOEN	DRN.D.REDEKOPP CHKD. 2021-01-11	SINGLE COMPARTMENT SERVICE PEDESTAL
DATE OF ISSUE 2021-01-20	DRAWING NO. B-26-46	SHEET 4 of 7	REV. A



CABLE MARKERS DETAIL

FERRULES SLIDE ON TO HOLDER



HOLDER IS HELD TO CABLE WITH CABLE TIES

NOTES:

1. USE CABLE MARKERS ON EACH CONDUCTOR IN PEDESTAL AND FOLLOW NAMING CONVENTION.

2. NAMING CONVENTION:

HOUSES – USE CIVIC ADDRESS, SHORTEN IF NECESSARY,
ie: (123 1ST AVE)

STREET LIGHTS – USE 'ST LTS' THEN DIRECTION OF RUN,
ie: (ST LTS WEST)

MAINS – USE DIRECTION OF RUN,
ie: (NORTH)

SCALE: N.T.S.

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL L.MOEN	DESIGN CHK. L.MOEN	DRN.D.REDEKOPP CHKD. 2021-01-11	SERVICE PEDESTAL CONNECTION ARRANGEMENT AND CABLE MARKING DETAILS
DATE OF ISSUE 2021-01-20	DRAWING NO. B-26-46	SHEET 5 of 7	REV. A

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BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY	DESCRIPTION
1	5 06 26	1	PEDESTAL – STEEL
1	5 06 27	1	PEDESTAL – STEEL – WITH CATV
2	5 09 XX	1	CRIMPIT
3	7 66 00	1	PADLOCK (SEE NOTE 1)
4	5 06 74	3	TERMINAL BLOCK – 6 OUTLET (SEE NOTE 2)
5	71 42 02	1/10	TAPE (ROLL)
6	05 641 535	2	SIGN – BURIED CABLE
7	05 641 380	1	SIGN – DANGER – ELECTRICAL CIRCUITS

NOTE:

1. **PADLOCK (7 66 02) IS ONE TIME USE TO BE USED DURING CONSTRUCTION.**

2. **TO REPLACE TERMINAL BLOCK COVER USE CODE 5 06 76.**

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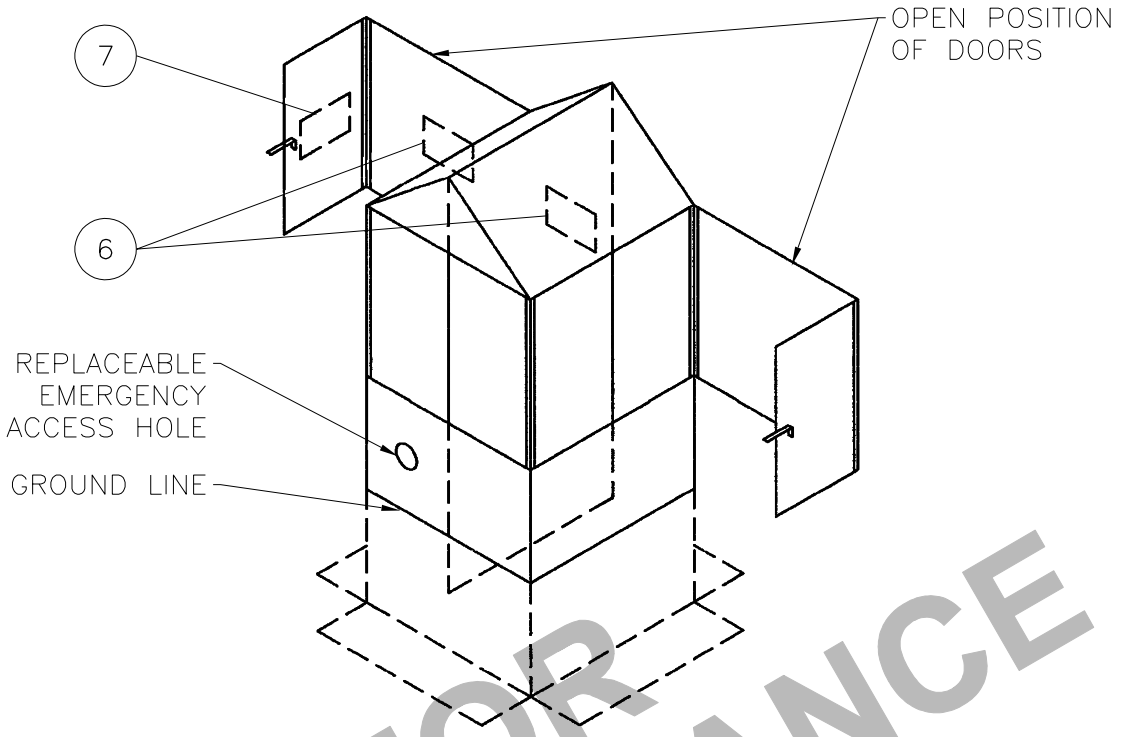
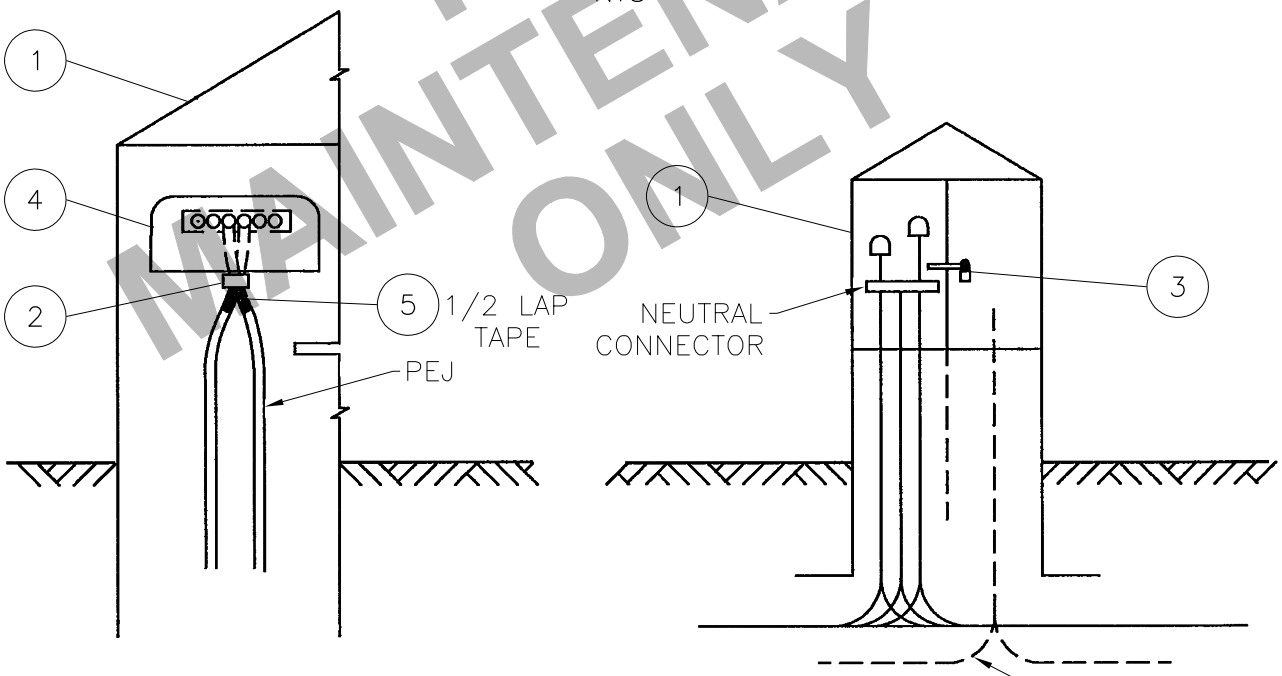
SaskPower - DISTRIBUTION STANDARDS			
APPROVAL	DESIGN CHK	DRN. **OFF**	**STEEL PEDESTAL**
L MOEN	**O FRANCIS**	CHKD. **LM**	
		2020-12-08	
DATE OF ISSUE: **2021-01-20**		DRAWING NO: **B-26-46**	**SHEET 6 OF 7** REV. **A**



ISOMETRIC VIEW
NTS



NEUTRAL CONNECTOR DETAIL
NTS

NOTES:
1. FOR GROUNDING SEE DRAWING B-33-34.
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
3. DO NOT USE METAL PEDESTALS FOR NEW INSTALLS. METAL PEDESTALS SHOULD BE REPLACED BY FIBERGLASS PEDESTALS WHERE POSSIBLE. IF THERE ARE THREE OR MORE SERVICE PROVIDERS IN A PEDESTAL USE A 3 COMPARTMENT. IF THERE IS A LACK OF SPACE USE A 2 COMPARTMENT PEDESTAL.

SCALE: N.T.S.

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL L.MOEN	DESIGN CHK. L.MOEN	DRN.D.REDEKOPP CHKD. 2021-01-11	SERVICE PEDESTAL
DATE OF ISSUE 2021-01-20	DRAWING NO. B-26-46	SHEET 7 of 7	REV. A

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BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY	DESCRIPTION
1	**5-06-23**	**1**	**BASE-SCREW ANCHOR**
2	**5-06-24**	**1**	**PEDESTAL-COMBINATION STREETLIGHT/SERVICE PEDESTAL**
3	**5-06-74**	**3**	**TERMINAL BLOCK-6 OUTLET**
4	**5-09-XX**	**1**	**CRIMPIT**
5	**7-66-00**	**1**	**PADLOCK**
6	**71-42-02**	**0.1**	**TAPE-HIGH VOLTAGE**
7	**2-83-04**	**1 m**	**WIRE CU-#4/7 STR**
8	**05-646-582**	**2**	**DECAL-WATCH FOR WIRES**
9	**05-641-385**	**1**	**DECAL-DANGER DO NOT OPEN**

*Sask**Power*** - DISTRIBUTION STANDARDS

DRN.	DESIGN CHK.	APPROVAL	**COMBINATION STREETLIGHT/ SERVICE PEDESTAL**
CHKD.			
DATE	DATE	DATE	

DATE OF ISSUE **95-07-10**	DRAWING NO: **B-26-47**	**SHEET 1 OF 2**	REV. **0**

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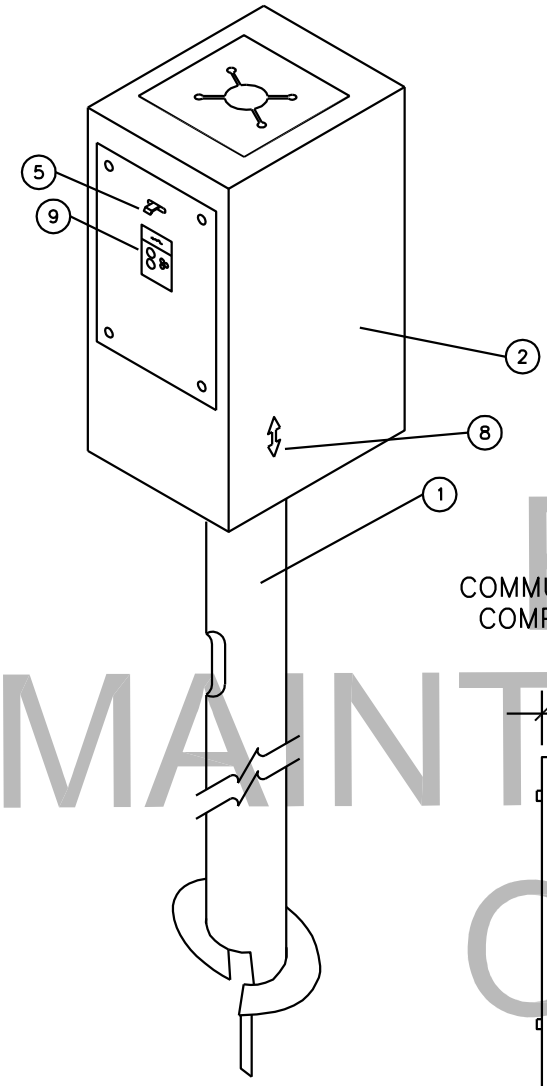
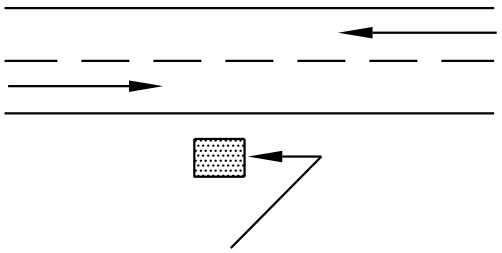
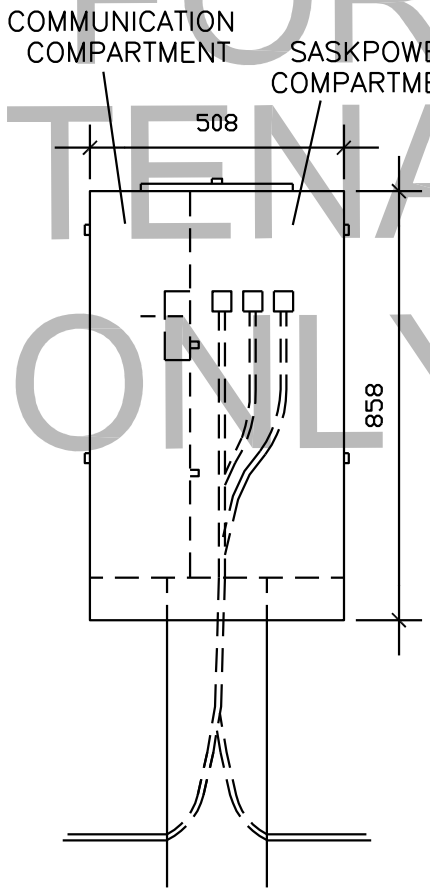


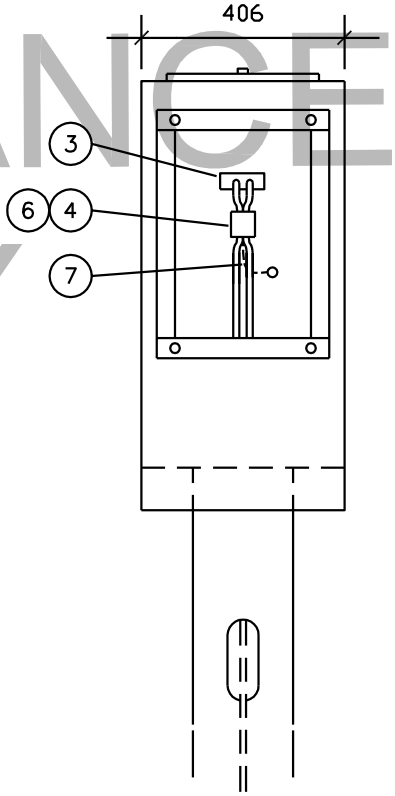
ISOMETRIC VIEW

APPARATUS USED HERE



ACCESS DOOR TO BE LOCATED
AWAY FROM ONCOMING TRAFFIC





NEUTRAL CONNECTOR DETAIL

NOTE:

1. WHEN INSTALLING SCREW ANCHOR BASE MAKE SURE HOLES LINE UP WITH CABLE RUN.

SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL	DESIGN CHK.	DRN. S.I.O. CHKD.	COMBINATION STREET LIGHT/ SERVICE PEDESTAL
DATE OF ISSUE 2010-04-21	DRAWING NO. B-26-47	SHEET 2 of 2	REV. C

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BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY A	QUANTITY B	DESCRIPTION
1	1 12 02	2	2	BOLT – MACHINE – 1/2" X 2"
2	1 93 14	2	2	WASHER – FLAT – STAINLESS STEEL
3	2 08 23	1	1	CONNECTOR – SPLIT BOLT
4	5 06 04	1	1	BOX PAD – FIBERGLASS – 32" HIGH
5	5 06 28	1	1	SWITCHING CUBICLE – LOW PROFILE PADMOUNT
6	5 06 96	2	1	FAULT INDICATOR
7	5 79 14	1	2	CAP – LOADBREAK
8	6 04 25	0	1	ARRESTER – PARKING STAND
9	5 80 32	3	3	ELBOW – LOADBREAK
11	7 66 00	1	1	PADLOCK
12	8 28 33	2	2	CONNECTOR – GROUND BOLTED
13	9 01 25	2	2	PLANKING
14	71 35 00	3	3	CABLE PREP KIT
15	05 384 008	3	3	TAG – CABLE MARKER – YELLOW
16	05 638 32X	5	5	DECAL – NUMBER – BLACK – 1-1/2" – SEE NOTE 3
17	05 638 329	1	1	DECAL – DASH – BLACK – 1-1/2" – SEE NOTE 3
18	05 638 4XX	3	3	DECAL – LETTER – BLACK – 1-1/2" – SEE NOTE 3
19	05 640 008	0.01	0.01	BLANK REFLECTIVE STRIP (150' ROLL) – SEE NOTE 3
20	05 641 384	1	1	DECAL – NOTICE – WE NEED ROOM
21	05 641 385	1	1	DECAL – DANGER – DO NOT OPEN
22	05 646 582	3	3	DECAL – WATCH FOR WIRES

NOTE:

1. **COLUMN A IS FOR TAKE-OFF/JUNCTION POINT.**
2. **COLUMN B IS FOR NORMAL OPEN POINT FOR ALTERNATE LOOP FEED.**
3. **REFER TO B-30-20 FOR APPLICABLE STOCK CODES AND MOUNTING DETAILS.**

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SaskPower - DISTRIBUTION STANDARDS

APPROVAL	DESIGN CHK	DRN. **OFF**	**RURAL 1∅ SWITCHING CUBICLE**
L MOEN	**O FRANCIS**	CHKD. **LM**	
		2020-12-08	

DATE OF ISSUE **2021-01-20**	DRAWING NO. **B-26-50**	**SHEET 1 OF 2**	REV. **C**

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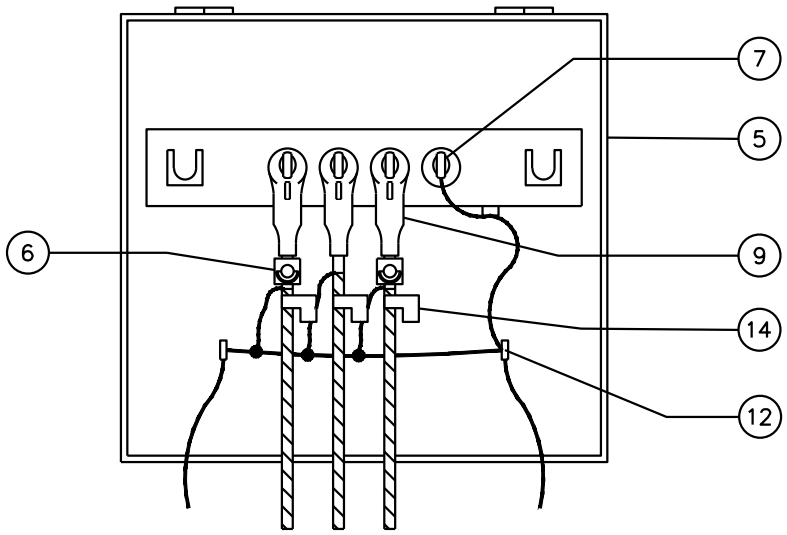
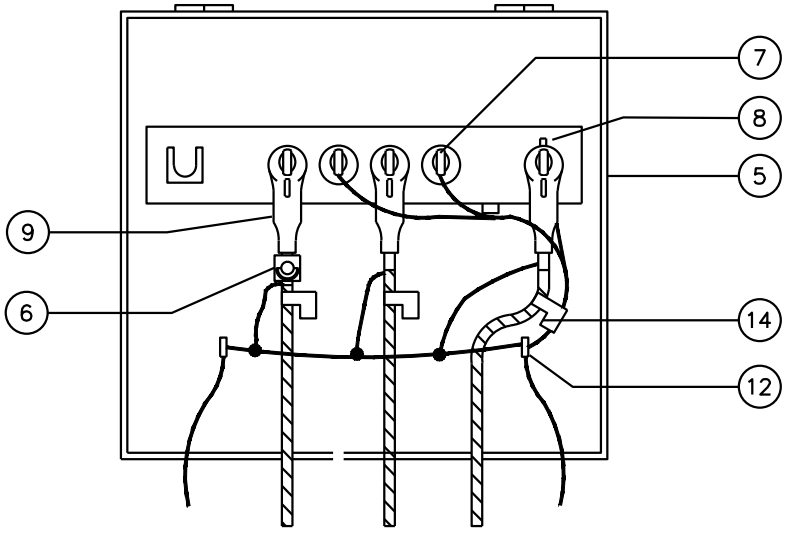


A. TAKE-OFF/JUNCTION POINT

NOTES

1. LOADBREAK CAPS TO BE GROUNDED.
2. FAULT INDICATOR INSTALLED ON LOAD SIDE ELBOW
3. CABLES TO BE RUN AT SIDES OR REAR OF BOX PAD.
4. FEED THRU BUSHING BRACKET AND ELBOW ARRESTOR TO BE GROUNDED.
5. FOR GROUNDING DETAILS SEE DWG. B-33-08
6. FOR BOX PAD DETAILS SEE DWG. B-08-30.
7. FOR RURAL PROTECTIVE BARRIER DWG. B-26-65.
8. ENSURE SUFFICIENT CONCENTRIC NEUTRAL LENGTH FOR ELBOW OPERATION.



B. NORMAL OPEN POINT FOR ALTERNATE LOOP FEED

SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL L.MOEN	DESIGN CHK. A. UHREN	DRN. E.GOTANA CHKD. 2015-11-05	RURAL 1ø SWITCHING CUBICLE
DATE OF ISSUE 2016/02/05	DRAWING NO. B-26-50	SHEET 2 of 2	REV. E

BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY	DESCRIPTION
1	1 12 02	2	BOLT – MACHINE – 1/2" X 2"
2	1 93 14	2	WASHER – FLAT – STAINLESS STEEL
3	2 08 23	1	CONNECTOR – SPLIT BOLT
4	5 06 04	1	BOX PAD – FIBREGLASS – 32" HIGH
5	5 06 96	1	FAULT INDICATOR
6	5 80 32	2	ELBOW – LOADBREAK
7	6 04 15	1	ARRESTER – SEE NOTE 1
8	7 66 00	1	PADLOCK
9	8 28 33	2	CONNECTOR – GROUND BOLTED
10	9 01 25	2	PLANKING
11	71 35 00	2	CABLE PREP KIT
12	05 384 008	2	TAG – CABLE MARKER – YELLOW
13	05 638 32X	5	DECAL – NUMBER – BLACK – 1-1/2" – SEE NOTE 2
14	05 638 329	1	DECAL – DASH – BLACK – 1-1/2" – SEE NOTE 2
15	05 638 4XX	3	DECAL – LETTER – BLACK – 1-1/2" – SEE NOTE 2
16	05 640 008	0.01	BLANK REFLECTIVE STRIP (150' ROLL) – SEE NOTE 2
17	05 641 385	1	DECAL – DANGER – DO NOT OPEN
18	05 646 582	2	DECAL – WATCH FOR WIRES

NOTE:

1. **FOR A TWO BUSHING REACTOR DO NOT INCLUDE ITEM 7.**
2. **REFER TO B-30-20 FOR APPLICABLE STOCK CODES AND MOUNTING DETAILS.**

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SaskPower - DISTRIBUTION STANDARDS

APPROVAL	DESIGN CHK	DRN. **OFF**	**RURAL 1∅ REACTOR DEAD-FRONT LOAD-BREAK**
L MOEN	**O FRANCIS**	CHKD. **LM**	
		2020-12-08	

DATE OF ISSUE: **2021-01-20** | DRAWING NO: **B-26-60** | **SHEET 1 OF 2** | REV. **D**

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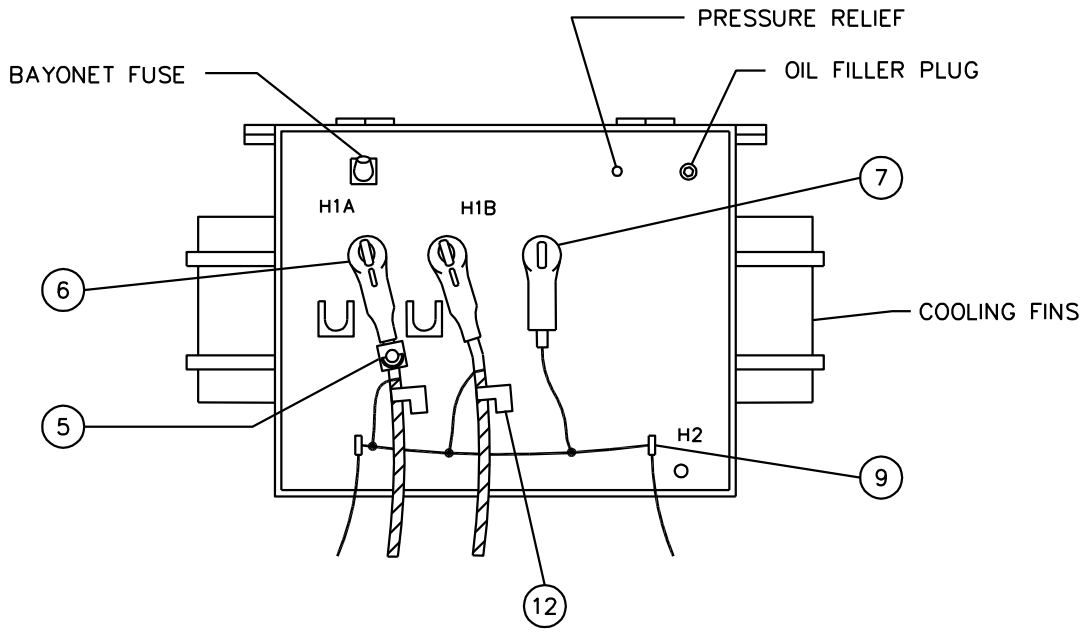

NOTES:

1. SOURCE SIDE CABLE ON H1A BUSHING AND LOAD SIDE CABLE ON H1B BUSHING.
2. IF THREE H.V. BUSHINGS INSTALL ARRESTER ELBOW FARTHEST RIGHT BUSHING.
3. FAULT INDICATOR INSTALLED ON SOURCE SIDE BUSHING.
4. CABLES TO BE RUN AT SIDES OR REAR OF BOXPAD.
5. FOR GROUNDING DETAILS SEE DWG. B-33-08 GROUND GRID TYPE 'J'.
6. FOR BOX PAD DETAILS SEE DWG. B-08-30.
7. FOR RURAL PROTECTIVE BARRIER SEE DWG. B-26-65
8. ENSURE SUFFICIENT CONCENTRIC NEUTRAL LENGTH FOR ELBOW OPERATION.
9. DO NOT USE FUSE TO OPERATE THIS EQUIPMENT
10. REACTOR FUSING IS NOT CO-ORDINATED. TYPICAL BAYONET FUSE SIZE IS 65A.
11. FOR REACTOR SIZE SELECTION, REFER TO RUD DESIGNERS HANDBOOK.
12. A REACTOR SHOULD NOT BE INSTALLED WITHIN 400 CABLE METERS OF A TRANSFORMER.
13. LOADBREAK ELBOWS CAN ONLY BREAK UP TO 10A OF INDUCTIVE CURRENT. DUE TO THIS, THERE MUST BE A MINIMUM LENGTH OF CABLE TAKEN OUT OF SERVICE TO ALLOW PROPER OPERATION. FOR A 200kVAR REACTOR, 5.4km (3.33 MILES) ARE REQUIRED. FOR A 250kVAR 10.1km (6.25 MILES) ARE REQUIRED.

SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL L.MOEN	DESIGN CHK. A.UHREN	DRN. Y.HAO CHKD. A.UHREN	RURAL 1ø REACTOR DEAD-FRONT LOAD-BREAK
		2017-01-04	
DATE OF ISSUE 2017/05/03		DRAWING NO. B-26-60 SHEET 2 of 2	REV. D

BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY	DESCRIPTION
1	1-12-02	2	BOLT MACHINE - 1/2" X 2"
2	1-93-14	2	WASHER FLAT - STAINLESS STEEL
3	2-08-23	1	CONNECTOR - SPLIT BOLT
4	5-06-04	1	FIBERGLASS BOX PAD - 32" HIGH
5	5-06-96	2	FAULT INDICATOR
6	5-79-13	1	BUSHING - Y-INSERT LOADBREAK
7	5-80-32	3	ELBOW CONNECTOR - LOADBREAK
8	6-04-15	1	ARRESTER SURGE (SEE NOTE1)
9	7-66-00	1	PADLOCK
10	8-28-33	2	CONNECTOR - GROUND BOLTED
11	71-35-00	3	KIT - CABLE PREPARATION
12	05-384-008	3	TAG - CABLE MARKER YELLOW
13	05-638-2XX	7	NUMBER - DECAL 1 1/2"
14	05-638-4XX	1	LETTER - DECAL 1 1/2"
15	05-646-582	3	DECAL - WATCH FOR WIRES
16	05-641-385	1	DECAL - DANGER - DO NOT OPEN
17	9-01-25	2	PLANKING - TREATED

NOTE:

1. **FOR A TWO BUSHING REACTOR, DELETE ITEM 8.**
2. **SALVAGE 5-79-12 BUSHING INSERT.**

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SaskPower - DISTRIBUTION STANDARDS

DRN.	DESIGN CHK.	APPROVAL	RURAL 1∅ REACTOR WITH RADIAL
CHKD.			
DATE	DATE	DATE	

DATE OF ISSUE **96-07-26** | DRAWING NO: **B-26-61** | **SHEET 1 OF 2** | REV. **B**

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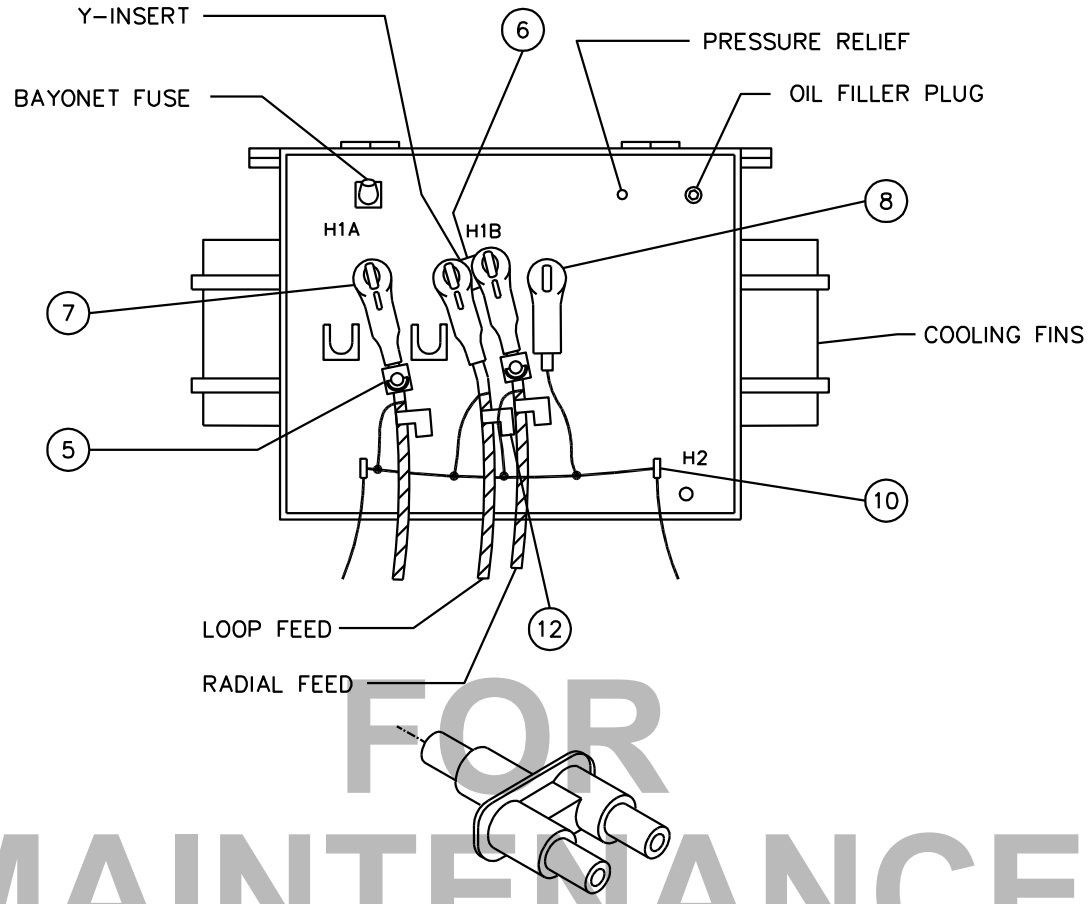

Y-INSERT DETAIL

NOTES:

1. SOURCE SIDE CABLE ON H1A BUSHING AND LOAD SIDE CABLE ON H1B BUSHING.
2. IF THREE H.V. BUSHINGS INSTALL ARRESTER ELBOW FARTHEST RIGHT BUSHING.
3. FAULT INDICATOR INSTALLED ON SOURCE SIDE BUSHING AND RADIAL BUSHING.
4. CABLES TO BE RUN AT SIDES OR REAR OF BOXPAD.
5. GROUNDING GRID IS TYPE J SEE DWG. B-33-08
6. FOR BOX PAD DETAILS SEE DWG. B-08-30.
7. FOR RURAL PROTECTIVE BARRIER SEE DWG. B-26-65
8. ENSURE SUFFICIENT CONCENTRIC NEUTRAL LENGTH FOR ELBOW OPERATION.
9. DO NOT USE FUSE TO OPERATE THIS EQUIPMENT
10. REACTOR FUSING IS NOT CO-ORDINATED. TYPICAL BAYONET FUSE SIZE IS 65A.
11. FOR REACTOR SIZE SELECTION, REFER TO RUD DESIGNERS HANDBOOK.
12. A REACTOR SHOULD NOT BE INSTALLED WITHIN 400 CABLE METERS OF A TRANSFORMER.
13. LOADBREAK ELBOWS CAN ONLY BREAK UP TO 10A OF INDUCTIVE CURRENT. DUE TO THIS, THERE MUST BE A MINIMUM LENGTH OF CABLE TAKEN OUT OF SERVICE TO ALLOW PROPER OPERATION. FOR A 200kVAR REACTOR, 5.4km (3.33 MILES) ARE REQUIRED. FOR A 250kVAR 10.1km (6.25 MILES) ARE REQUIRED.

SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL L.MOEN	DESIGN CHK. A.UHREN	DRN. Y.HAO CHKD. A.UHREN	RURAL 1ø REACTOR WITH RADIAL
		2017-01-04	
DATE OF ISSUE 2017/05/03	DRAWING NO. B-26-61	SHEET 2 of 2	REV. C

BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY	DESCRIPTION
1	**9 06 28**	**4**	**POST – STEEL – 4" X 7'**
2	**Purchase Locally**	**1 m^3**	**CONCRETE – 25 MPA MIN – SULPHATE RESISTANT TYPE HS**

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*Sask**Power*** - DISTRIBUTION STANDARDS

APPROVAL	DESIGN CHK	DRN. **OFF**	**VEHICLE BARRIER**
L MOEN	**O FRANCIS**	CHKD. **LM**	
		2020-12-08	

DATE OF ISSUE: **2021-01-20** | DRAWING NO: **B-26-65** | **SHEET 1 OF 2** | REV. **A**

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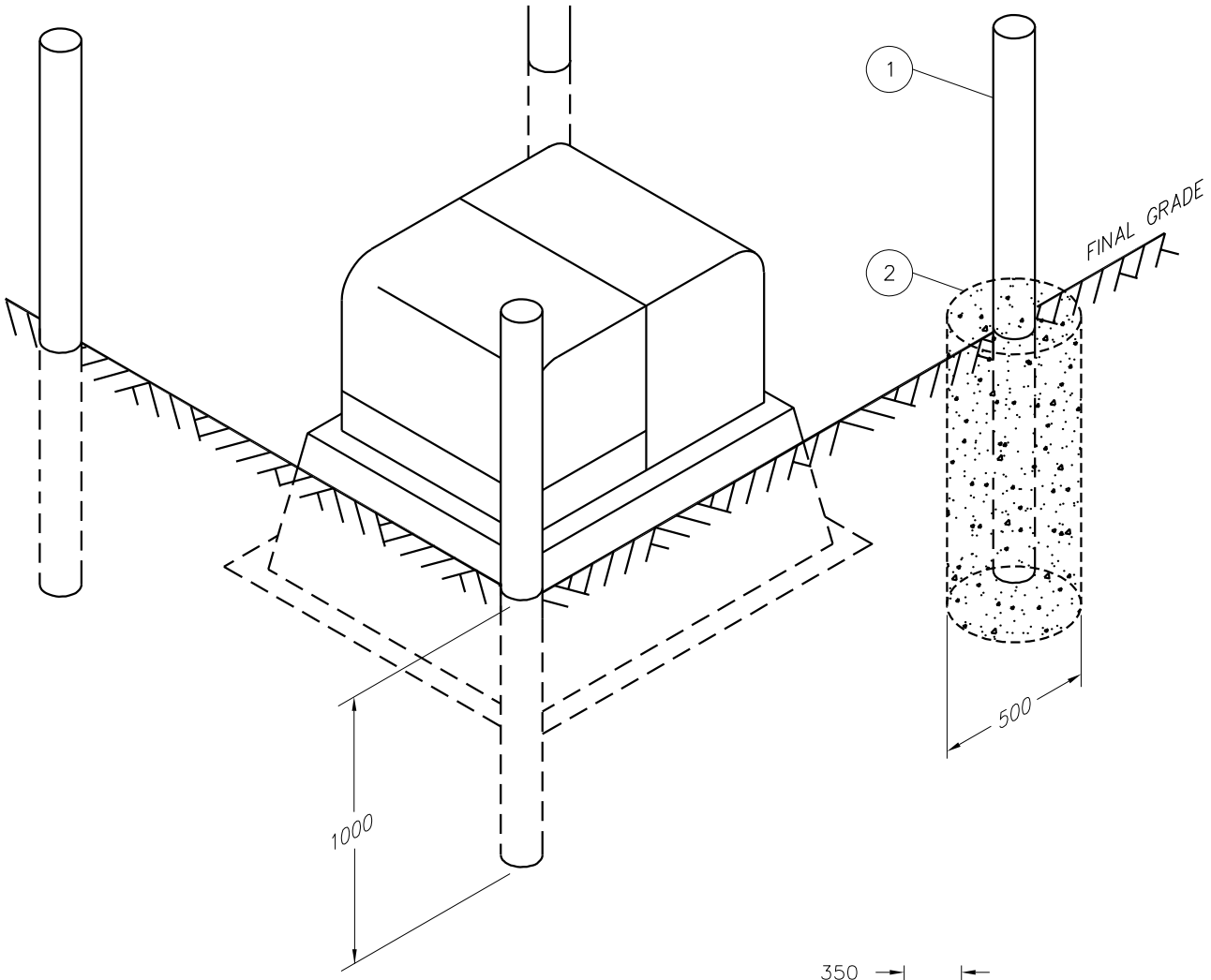

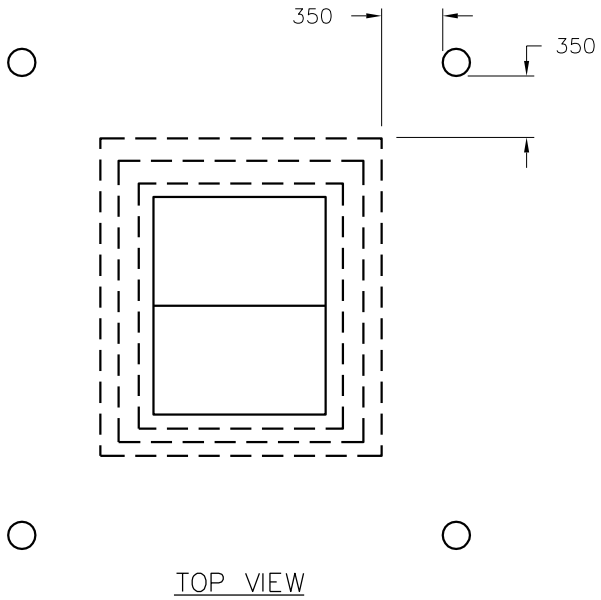

TOP VIEW

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.

APPROVED FOR CONSTRUCTION

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL L.MOEN	DESIGN CHK. O.FRANCIS	DRN.D.REDEKOPP CHKD. 2020-05-20	VEHICLE BARRIER
DATE OF ISSUE 2021-01-20		DRAWING NO. B-26-65 SHEET 2 of 2	REV. D

BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY	DESCRIPTION
1	**2 60 22**	**4**	**ROD GROUND – SECTIONAL – 3/4" X 10'**
2	**7 66 00**	**1**	**PADLOCK #4**
3	**9 06 32**	**1**	**PANEL GATE – LIVESTOCK – 10' LONG – 5' HIGH**
4	**9 06 33**	**3**	**PANEL – LIVESTOCK – 10' LONG – 5' HIGH**
5	**–**	**915 mm**	**CHAIN – GALVANIZED – SOURCE LOCALLY**

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SaskPower - DISTRIBUTION STANDARDS

APPROVAL	DESIGN CHK	DRN. **PP**	**CATTLE BARRIER FOR PADMOUNT TRANSFORMER**
L MOEN	**P PATEL**	CHKD. **LM**	
		2021-05-04	
DATE OF ISSUE: **2021-08-16**		DRAWING NO: **B-26-66**	**SHEET 1 OF 2** REV. **C**

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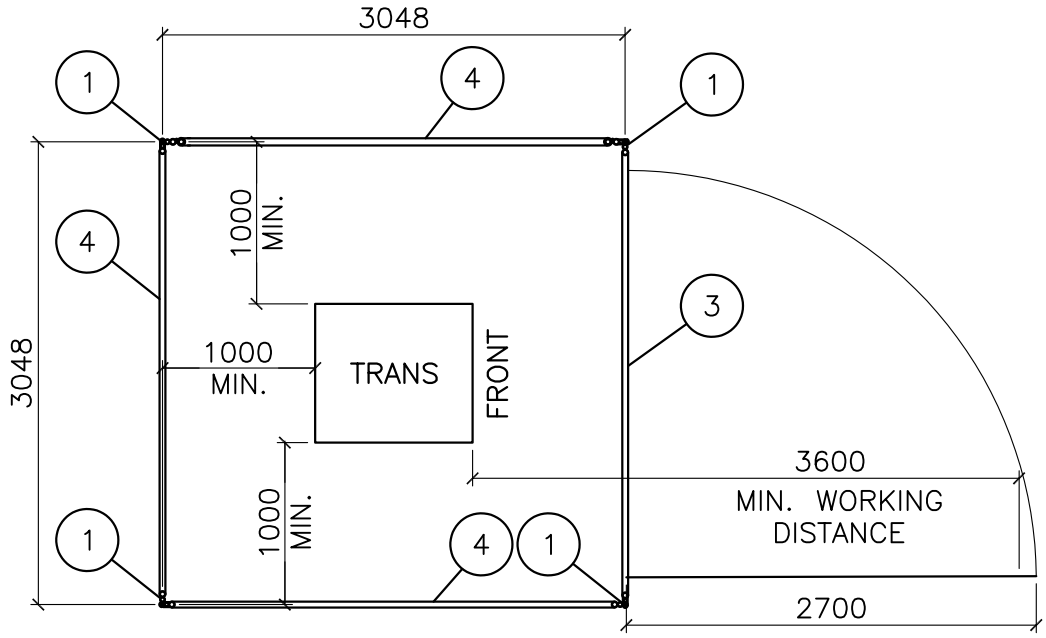
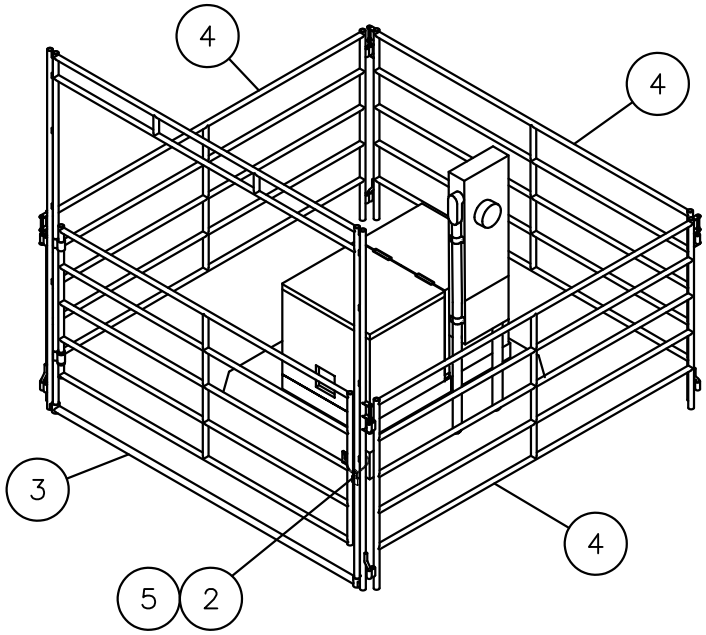


RURAL TRANSFORMER – CATTLE BARRIER MINIMUM CLEARANCES



ISOMETRIC VIEW

NOTES:

1. ADDITIONAL PANELS MAY BE ADDED IF MINIMUM CLEARANCES CAN NOT BE ACHIEVED.
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.

	SaskPower – DISTRIBUTION STANDARDS			
	APPROVAL L. MOEN	DESIGN CHK. B.GEBHART	DRN.D.REDEKOPP CHKD.	CATTLE BARRIER FOR PADMOUNT TRANSFORMER
			2020–11–25	
	DATE OF ISSUE **2021-08-16**	DRAWING NO. B–26–66	SHEET 2 of 2	REV. C

SPC/AUTODRAFT

PMH 9 25kV 4 WAY SWITCHING CUBICLE

TWO METHODS OF CABLE TERMINATION:

(i) STRESS CONE & TAPE APPLICATION

(ii) PRE–MOULDED POLYMER TERMINATOR

TWO SIDES:

(i) 25kV – 200A FUSE COMPARTMENTS

(ii) 25kV – 600A SWITCHING COMPARTMENTS

FUSING:

– SML–4Z POWER FUSE

– "BLOWN" INDICATOR WINDOW

– LOAD BREAKING CAPABILITY

– 200E AMPERES MAX., 20,000A ASYMMETRICAL, 12,500 AMPERES SYMMETRICAL

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SASKATCHEWAN POWER CORP. – DISTRIBUTION ENGINEERING STANDARDS

DRN. RP	DESIGN CHK.	SAFETY APP.	APPROVAL	FOUR WAY 3Ø SWITCHING CUBICLE
CHKD. FTK				
DATE 87–05–22	DATE	DATE	DATE	
DATE OF ISSUE 87–06–01		DRAWING NO. B–26–70	SHEET 1 of 4	REV. 0

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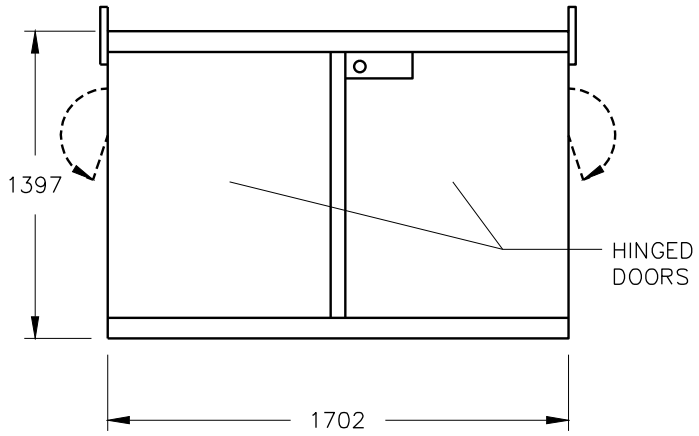
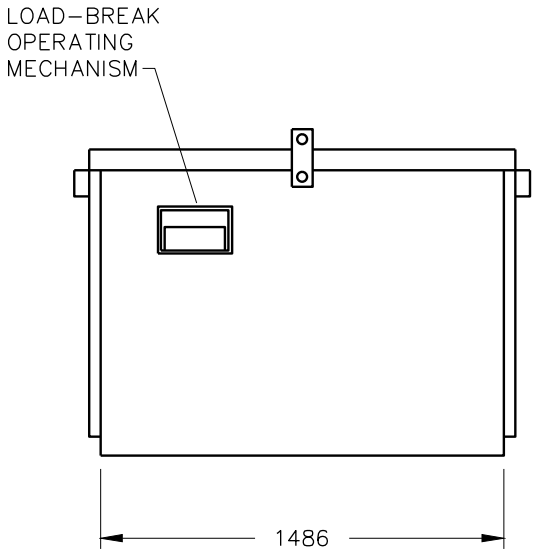
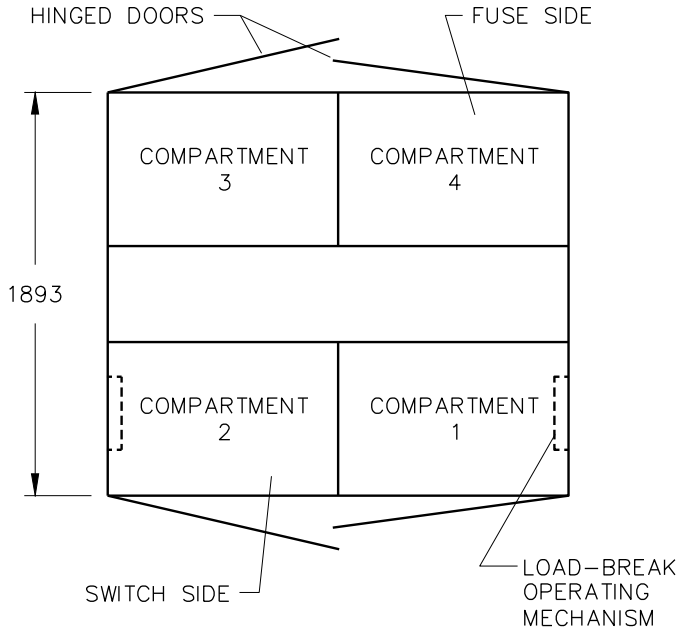


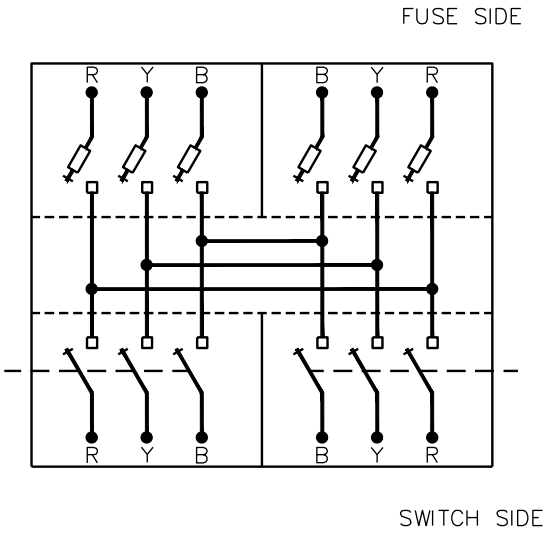
FRONT VIEW



SIDE VIEW



PLAN VIEW



SCHEMATIC

NOTE:

1. INSTALLED ON CONCRETE MODULAR VAULT.
2. FOR GROUNDING SEE B–33–36, B–33–37, B–33–38, B–33–39, B–33–40 OR B–33–41 AS APPROPRIATE.
3. MINIMUM CLEARANCES REQUIRED AROUND PMH: 3m ON SWITCH AND FUSE SIDES WITH DOORS, 1m ON OTHER TWO SIDES.

SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

	SaskPower – DISTRIBUTION STANDARDS			
	APPROVAL M.ERETH	DESIGN CHK. A.UHREN	DRN. A.GATZKE CHKD.	FOUR WAY 3ø SWITCHING CUBICLE
			2014–12–17	
	DATE OF ISSUE 2015/04/28		DRAWING NO. B–26–70	SHEET 2 of 4 REV. A

BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY A	QUANTITY B	DESCRIPTION
1	2 83 XX	X	X	WIRE – CU (SEE NOTE 3)
2	5 06 67	1	--	VAULT CONCRETE MODULAR BASE SECTIONS (SEE NOTE 1)
2	5 06 71	1	--	VAULT CONCRETE MODULAR TOP FOR PMH 4 WAY
2	5 06 21	--	1	FIBERGLASS BOX PAD (83" x 75") (SEE NOTE 1)
3	5 06 20	1	1	SWITCHGEAR - PMH-9
3	5 06 22	1	1	SWITCHGEAR - PMH-13
4	5 06 94	X	X	FAULT INDICATOR-300 AMP-REMOTE INDICATOR
5	5 12 XX	X	X	CONNECTOR COMPRESSION
6	8 35 06	X	X	TERMINATOR - #1 AL SOLID
7	8 35 31	X	X	TERMINATOR - 4/0 AL COMPACT
7	8 35 29	X	X	TERMINATOR - 500 kcmil CU/AL COMPACT
8	9 01 25	--	2	PLANK - TREATED
9	05 638 32X	5	5	DECAL – NUMBER – BLACK – 1-1/2" – SEE NOTE 4
10	05 638 329	1	1	DECAL – DASH – BLACK – 1-1/2" – SEE NOTE 4
11	05 638 4XX	3	3	DECAL – LETTER – BLACK – 1-1/2" – SEE NOTE 4
12	05 640 008	0.01	0.01	BLANK REFLECTIVE STRIP (150' ROLL) – SEE NOTE 4
13	05 641 384	1	1	DECAL - NOTICE - WE NEED ROOM
14	05 641 385	2	2	DECAL - DANGER DO NOT OPEN
15	05 646 582	2	2	DECAL - WATCH FOR WIRES

NOTE:

1. **EITHER VAULT WORKS WITH EITHER SWITCHGEAR.**
2. **COLUMN A IS FOR A CONCRETE VAULT WITH MANHOLE.**
   COLUMN B IS FOR A FIBERGLASS BOX PAD.
3. **MINIMUM 1/0 CU OR 2 x #2 CU CONNECTION FROM PMH TO GROUND GRID.**
4. **REFER TO B-30-20 FOR APPLICABLE STOCK CODES AND MOUNTING DETAILS.**

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SaskPower - DISTRIBUTION STANDARDS

APPROVAL	DESIGN CHK	DRN. **OFF**	**FOUR WAY 3Ø SWITCHING CUBICLE**
L MOEN	**O FRANCIS**	CHKD. **LM**	
		2020-12-08	

DATE OF ISSUE **2021-01-20**	DRAWING NO. **B-26-70**	**SHEET 3 OF 4**	REV. **D**

SPC/AUTODRAFT

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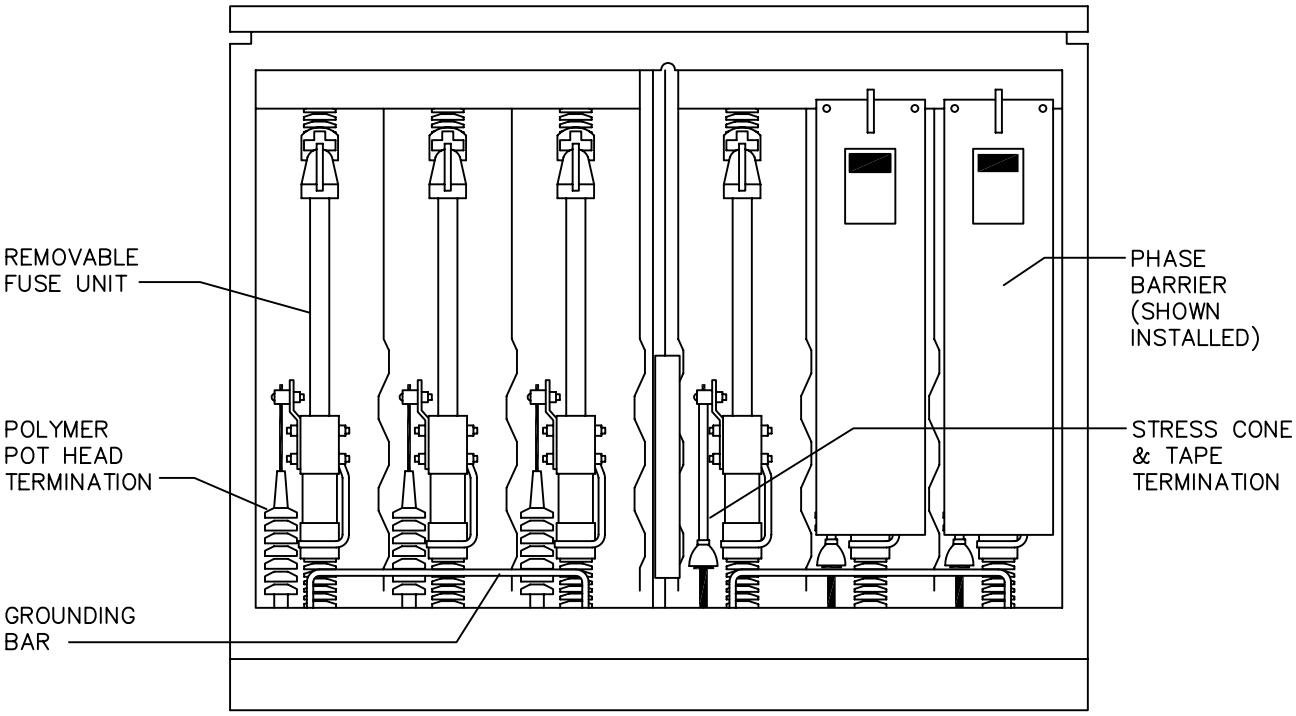
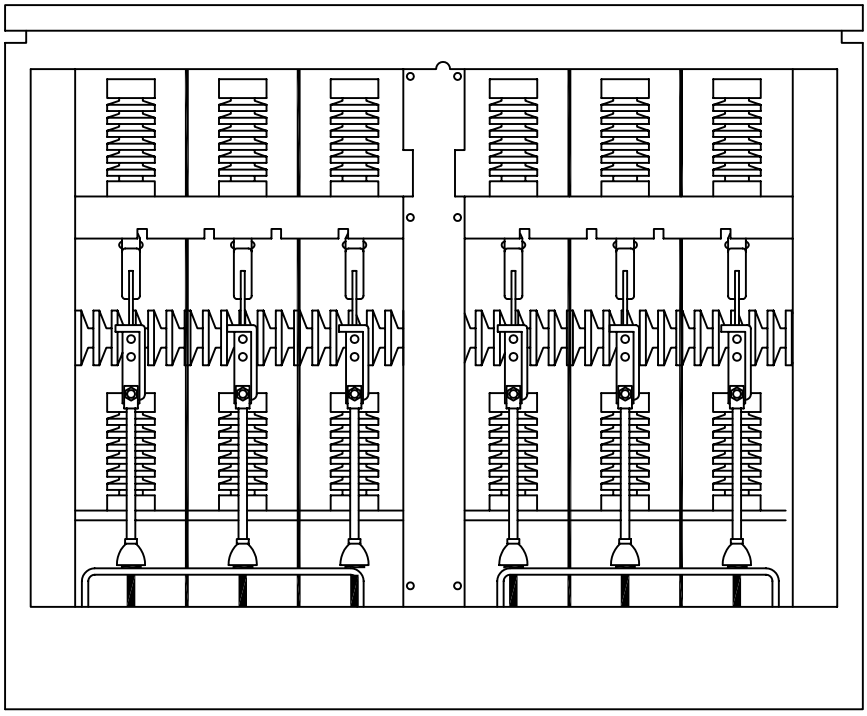
25kV FUSE COMPARTMENTS



25kV SWITCHING COMPARTMENTS



SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

SASKATCHEWAN POWER CORP. – DISTRIBUTION ENGINEERING STANDARDS

DRN. DC	DESIGN CHK.	SAFETY APP.	APPROVAL	FOUR WAY 3Ø SWITCHING CUBICLE
CHKD. FTK				
DATE 87-05-11	DATE	DATE	DATE	
DATE OF ISSUE 87-06-01		DRAWING NO. B-26-70	SHEET 4 of 4	REV. 0

BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY	DESCRIPTION
1	2 83 XX	3 m	WIRE – CU – SEE NOTE 1
2	5 06 14	1	SWITCHGEAR – PMH-4
3	5 06 17	1	BOX PAD – FIBERGLASS
4	5 06 94	1	FAULT INDICATOR – REMOTE INDICATOR – 300 AMP – SEE NOTE 2
4	5 06 96	1	FAULT INDICATOR – REMOTE INDICATION – 80 AMP – SEE NOTE 2
5	5 12 XX	5	CONNECTOR – COMPRESSION
6	7 54 XX	1	FUSE UNIT – REFILL – 25kV TYPE E
7	8 35 XX	3	TERMINATOR
8	71 35 00	3	CABLE PREP KIT
9	05 638 32X	5	DECAL – NUMBER – BLACK – 1-1/2" – SEE NOTE 3
9	05 638 329	1	DECAL – DASH – BLACK – 1-1/2" – SEE NOTE 3
9	05 638 4XX	3	DECAL – LETTER – BLACK – 1-1/2" – SEE NOTE 3
10	05 641 385	2	DECAL – DANGER – HIGH VOLTAGE DO NOT OPEN
11	05 646 582	2	DECAL – WATCH FOR WIRE
12	05 640 008	0.01	BLANK REFLECTIVE STRIP (150' ROLL) – SEE NOTE 3
13	05 642 384	1	DECAL – NOTICE – WE NEED ROOM

NOTE:

1. **MINIMUM 1/0 CU OR 2 x #2 CU CONNECTION FROM PMH TO GROUND GRID.**
2. **USE 80A FAULT INDICATOR (5 06 96) IN RURAL.**
   USE 300A FAULT INDICATOR (5 06 94) IN URBAN.
3. **REFER TO B-30-20 FOR APPLICABLE STOCK CODES AND MOUNTING DETAILS.**

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SaskPower - DISTRIBUTION STANDARDS

APPROVAL	DESIGN CHK	DRN. **OFF**	**THREE WAY 1∅ SWITCHING CUBICLE**
L MOEN	**O FRANCIS**	CHKD. **LM**	
		2020-12-08	

DATE OF ISSUE: **2021-01-20** | DRAWING NO: **B-26-71** | **SHEET 1 OF 2** | REV. **B**

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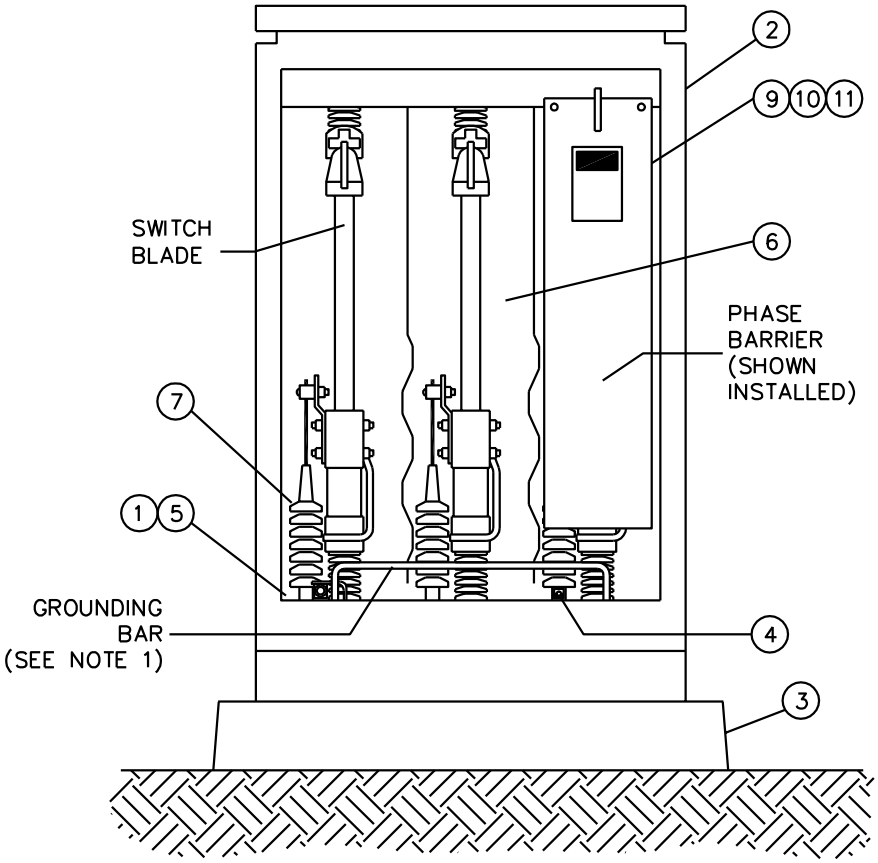
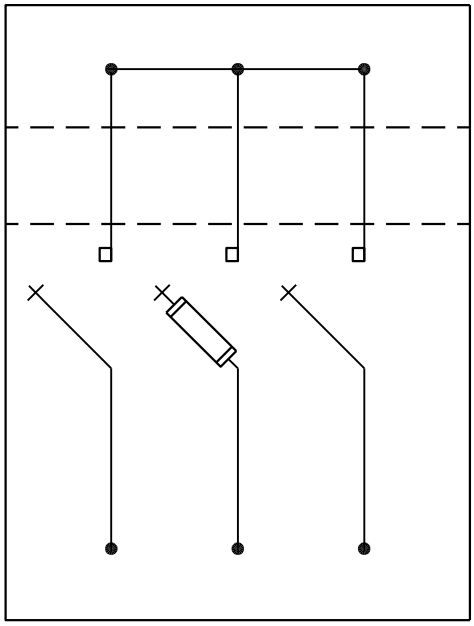
25kV FUSE COMPARTMENT



CONNECTION DIAGRAM



NOTE:
1. USE TYPE 'J' GROUND GRID (SEE B-33-08)
2. MINIMUM CLEARANCE REQUIRED AROUND PMH, 3m IN FRONT OF BOTH DOOR SIDES, 1m ON OTHER TWO SIDES.

SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

APPROVED FOR CONSTRUCTION

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL L.MOEN	DESIGN CHK. D.DONAIS	DRN.C.BAUTISTA CHKD. 2018-08-30	THREE WAY 1ø SWITCHING CUBICLE
DATE OF ISSUE 2018-09-13	DRAWING NO. B-26-71	SHEET 2 of 2	REV. B

BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY	DESCRIPTION
1	1 93 20	12	LOCK WASHER – 5/8" – GALVANIZED
2	1 93 33	12	FLAT WASHER – 5/8" – GALVANIZED
3	70 08 16	12	BOLT – 5/8" X 1-1/4" – CADMIUM PLATED
4	70 31 50	--	DUCT PLUG – 5" – 3 X 500 MCM CABLES
5	70 31 53	--	DUCT PLUG – 5" – QUAD
6	70 31 51	--	BUSHING SLEEVE INSERT – 4/0 – FOR 5" DUCT PLUG
6	70 31 52	--	BUSHING SLEEVE INSERT – #1 – FOR 5" DUCT PLUG
6	70 31 54	--	BUSHING SLEEVE INSERT – 1/0 SECONDARY
6	70 31 55	--	BUSHING SLEEVE INSERT – 4/0 SECONDARY
6	70 31 56	--	BUSHING SLEEVE INSERT – 350 kcmil SECONDARY
6	70 31 58	--	BUSHING SLEEVE INSERT – 500 kcmil SECONDARY
7	70 31 59	--	DUCT PLUG – 5" – BLANK
8	70 85 12	--	DUCT PLUG – 2" – BLANK
9	70 85 22	--	DUCT PLUG – 2" – FOR #1 CABLE
10	71 42 06	0.1	TAPE – PHASE I.D. – RED
10	71 42 07	0.1	TAPE – PHASE I.D. – BLUE
10	71 42 08	0.1	TAPE – PHASE I.D. – YELLOW
11	71 74 25	6	CABLE RACK – 27-1/2" – GALVANIZED
12	71 75 21	--	CABLE RACK HOOK – 6" – GALVANIZED
13	71 75 22	12	CABLE RACK HOOK – 10" – GALVANIZED W/ PLASTIC COATING
14	71 75 23	--	CABLE RACK HOOK – 15" – GALVANIZED W/ PLASTIC COATING

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SaskPower - DISTRIBUTION STANDARDS

APPROVAL	DESIGN CHK	DRN. **PP**	**URBAN 3Ø VAULT ACCESSORIES**
L MOEN	**P PATEL**	CHKD. **LM**	
		2020-12-07	

DATE OF ISSUE: **2021-08-16** | DRAWING NO: **B-26-73** | **SHEET 1 OF 2** | REV. **D**

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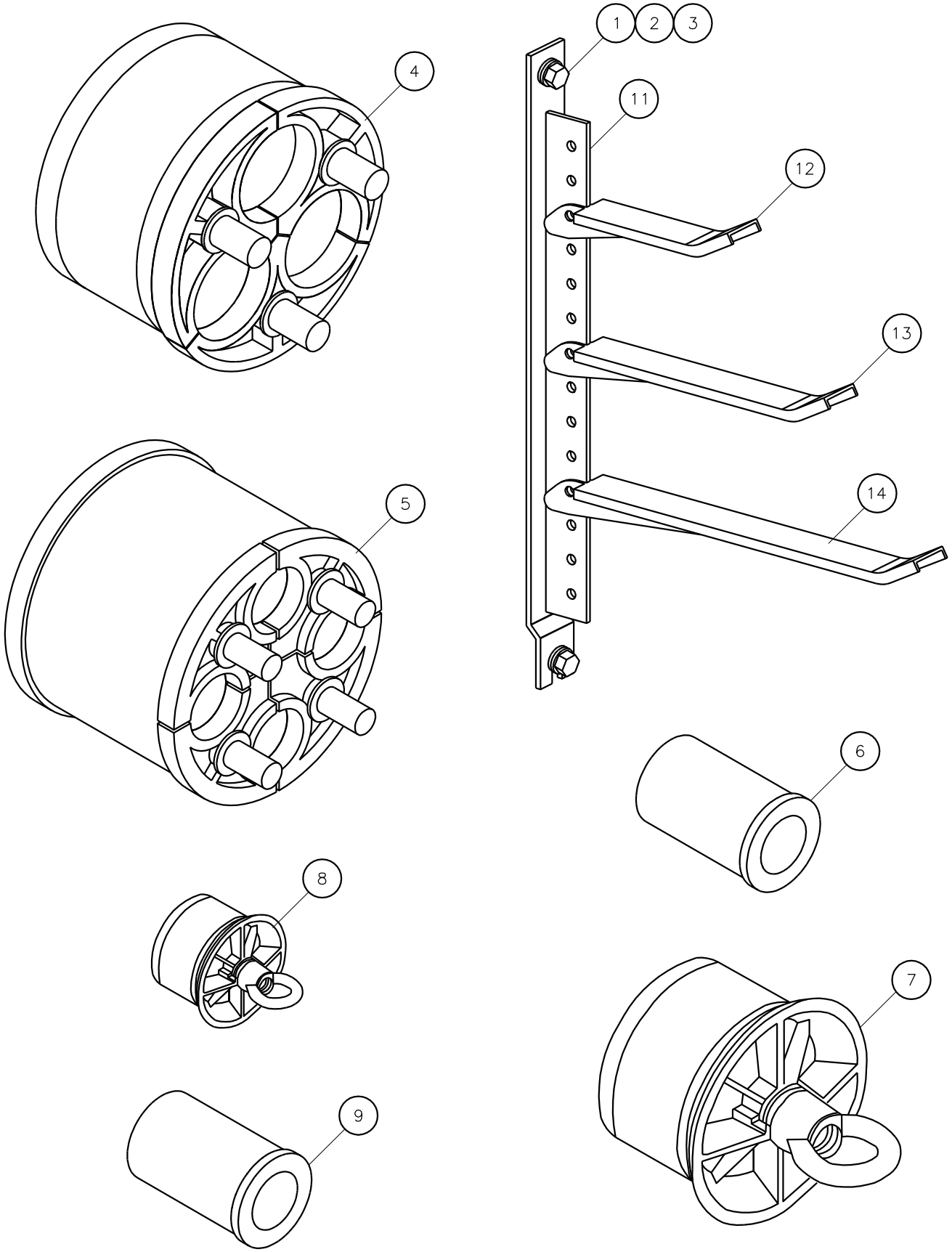

SCALE: N.T.S.

	SaskPower – DISTRIBUTION STANDARDS			
	APPROVAL L.MOEN	DESIGN CHK. B.GEBHART	DRN.D.REDEKOPP CHKD. 2020-12-30	URBAN 3PH VAULT ACCESSORIES
	DATE OF ISSUE 2021-08-16	DRAWING NO. B-26-73	SHEET 2 of 2	REV. C

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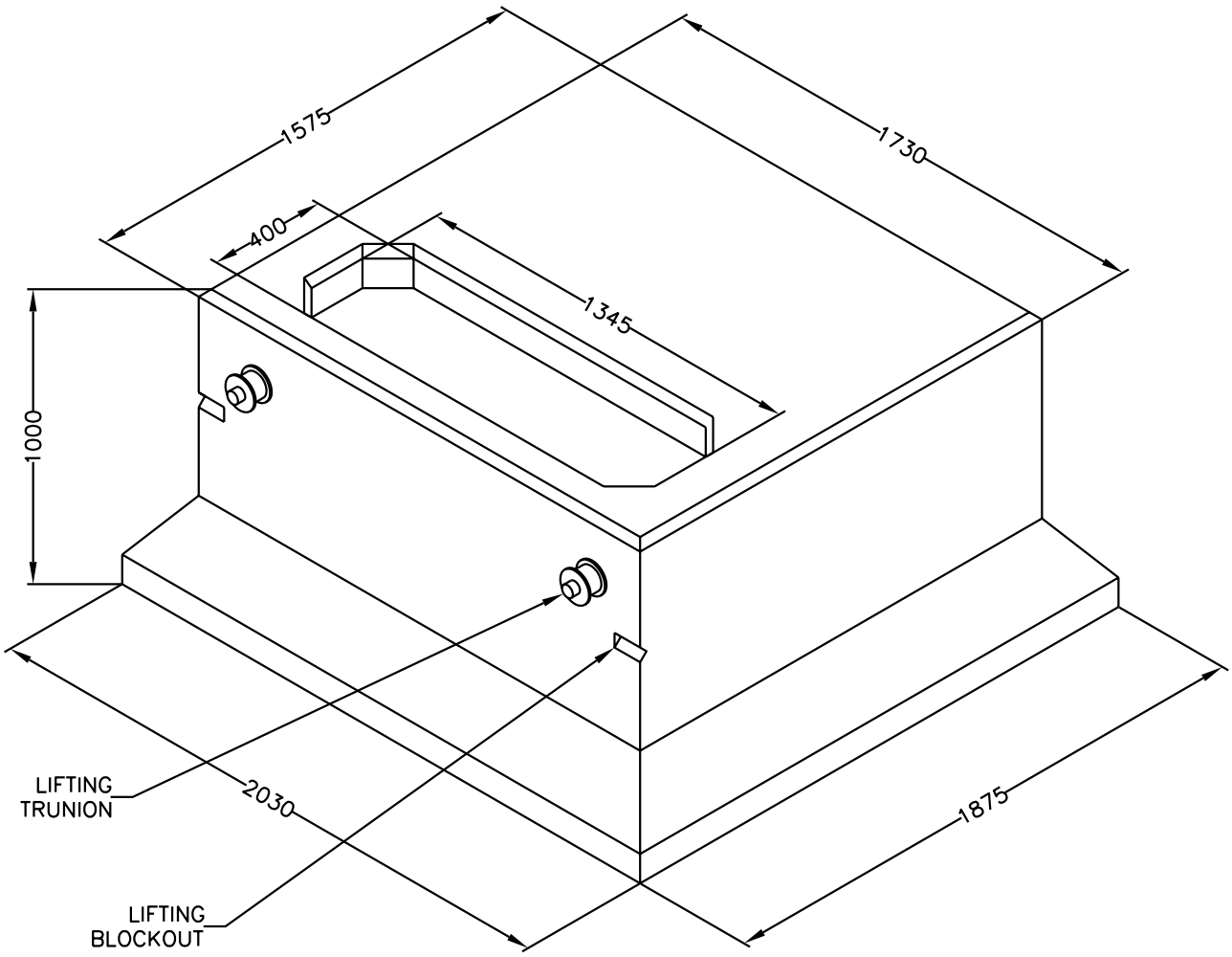
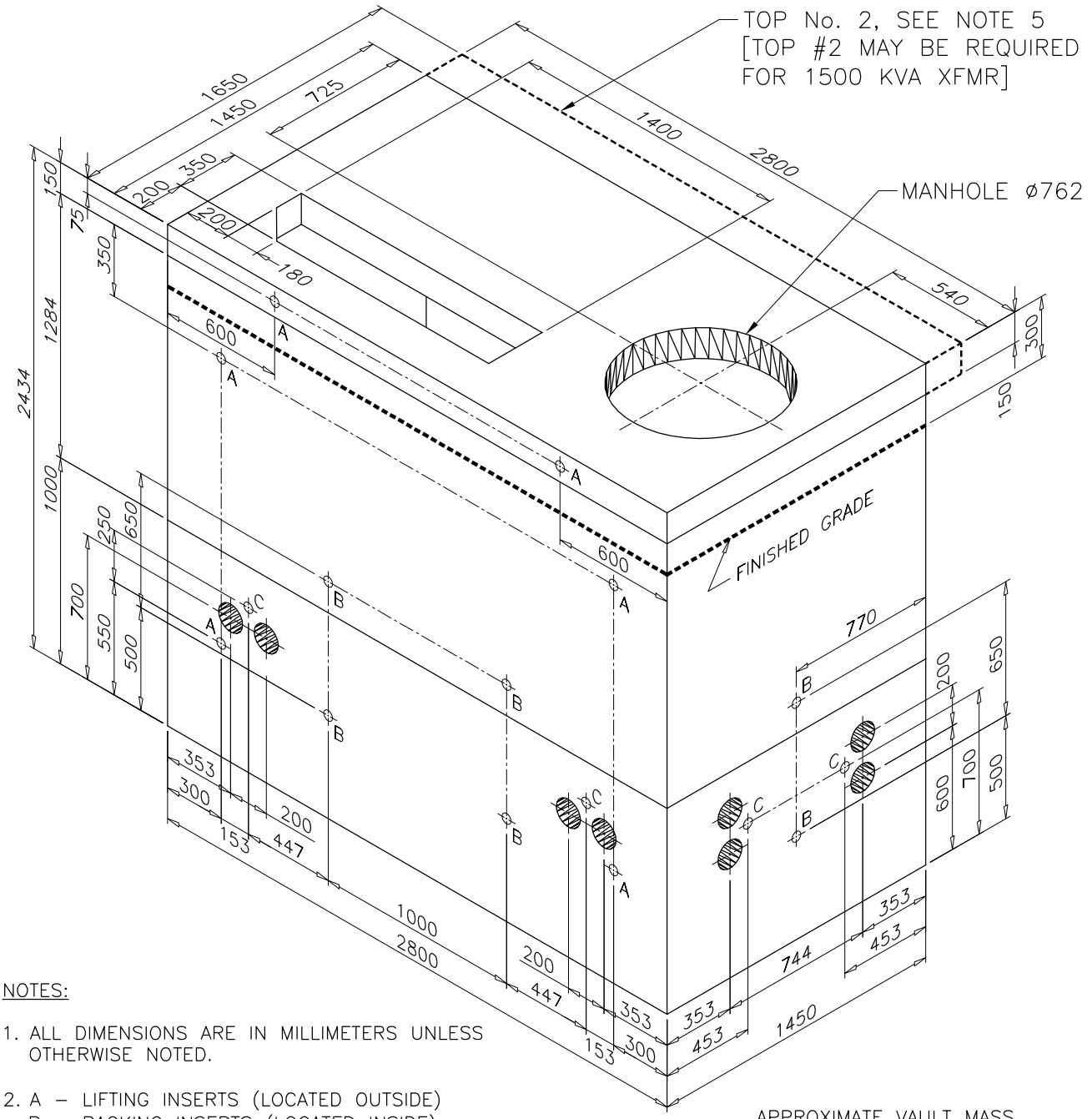


NOTES

1. APPROXIMATE MASS 2800kg (6200 lbs)
2. SASKPOWER CODE 5-06-11
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
4. THE BOX PAD HAS AN OPEN BOTTOM.
5. TRANSFORMER MAXIMUM DIMENSIONS ARE 750kVA, 1730 x 1575mm (68" x 62") AND MAXIMUM WEIGHT OF 4500kg (10,000 lbs).

SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

SaskPower – DISTRIBUTION STANDARDS			
DRN. J. KERR	DESIGN CHK.	APPROVAL	INTERMEDIATE PRE-CAST CONCRETE BOX PAD
CHKD. J.LB			
DATE 00-10-20	DATE	DATE	
DATE OF ISSUE: 2003/05/30	DRAWING NO. B-26-74 SHEET 1 of 1		REV. 0



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. A – LIFTING INSERTS (LOCATED OUTSIDE)
   B – RACKING INSERTS (LOCATED INSIDE)
   C – PULLING INSERTS (LOCATED INSIDE)
3. RETURN LIFTING HOOKS AND BOLTS TO REGINA SALVAGE AFTER INSTALLATION.
4. REFERENCE FABRICATION DRAWING M2–54 & M2–55.
5. CHECK TX. SIZE. OVERHANG OF TX. BASE IS NOT PERMITTED.
6. APPLY RAM NEK SEALANT BETWEEN BOTTOM AND MIDDLE SECTIONS.
7. MAXIMUM TRANSFORMER WEIGHT IS 6400kg (REFERENCE DA 390.20).
8. PRIOR TO 2013, HEIGHT OF MIDDLE SECTION WAS 1000mm, FOR A TOTAL HEIGHT OF 2150mm.

APPROXIMATE VAULT MASS

(CODE 5–06–09, 3 PIECES)

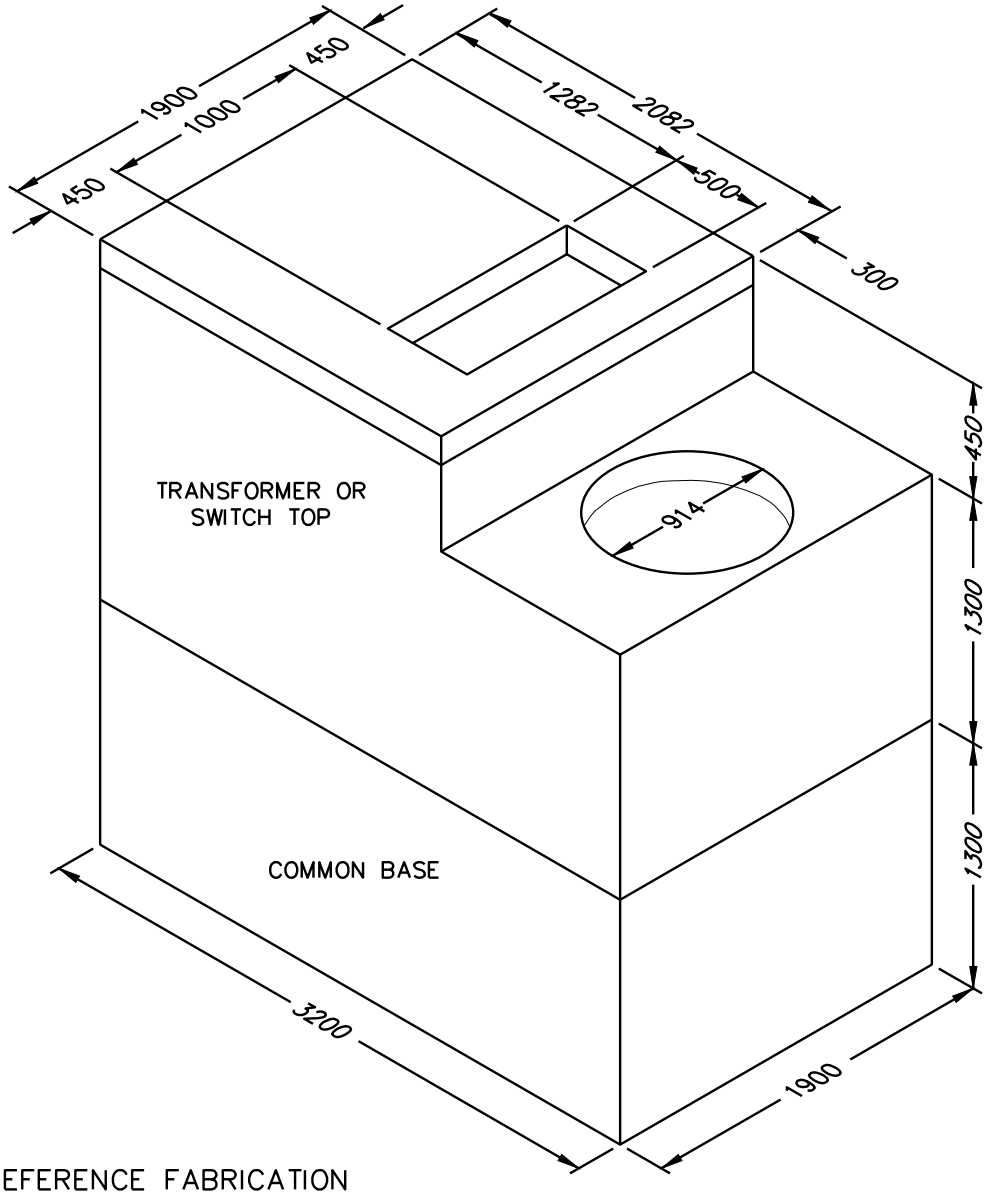
TOP No.1	1310 kg
MIDDLE SECTION	3929 kg
BOTTOM SECTION	4440 kg
TOTAL	9679 kg

(CODE 5–06–08, ONE PIECE)

TOP No.2	1500 kg

SaskPower – DISTRIBUTION STANDARDS

APPROVAL	DESIGN CHK.	DRN.D.REDEKOPP	URBAN 3ø VAULTS
L.MOEN	P.PATEL	CHKD.	
		2022–05–19	
DATE OF ISSUE 2022-08-15		DRAWING NO. B–26–75	SHEET 1 of 3 REV. F



REFERENCE FABRICATION
DRAWING M2-52

FOR MAINTENANCE ONLY

SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL M. ERETH	DESIGN CHK. A. UHREN	DRN. DC CHKD.	URBAN 3ø VAULTS
		2013-10-17	
DATE OF ISSUE 2014/03/21		DRAWING NO. B-26-75 SHEET 2 of 3	REV. A

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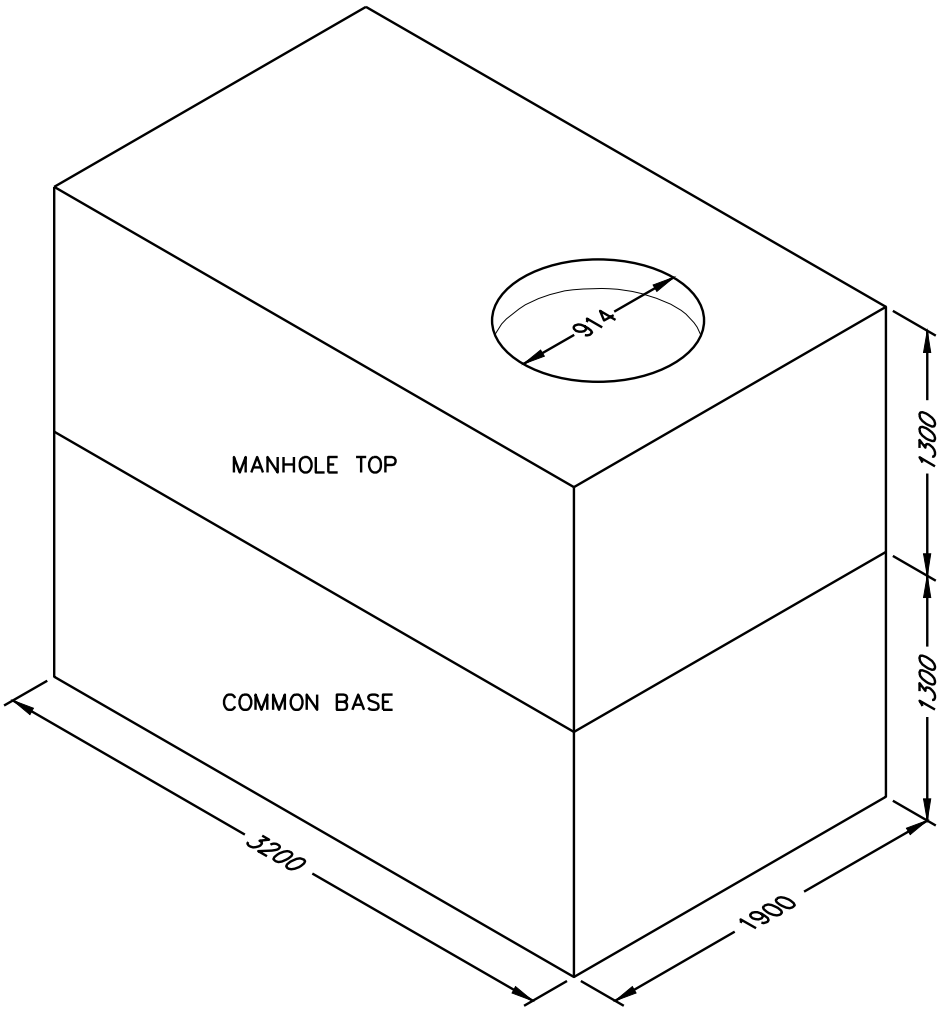


REFERENCE FABRICATION
DRAWING M2-51

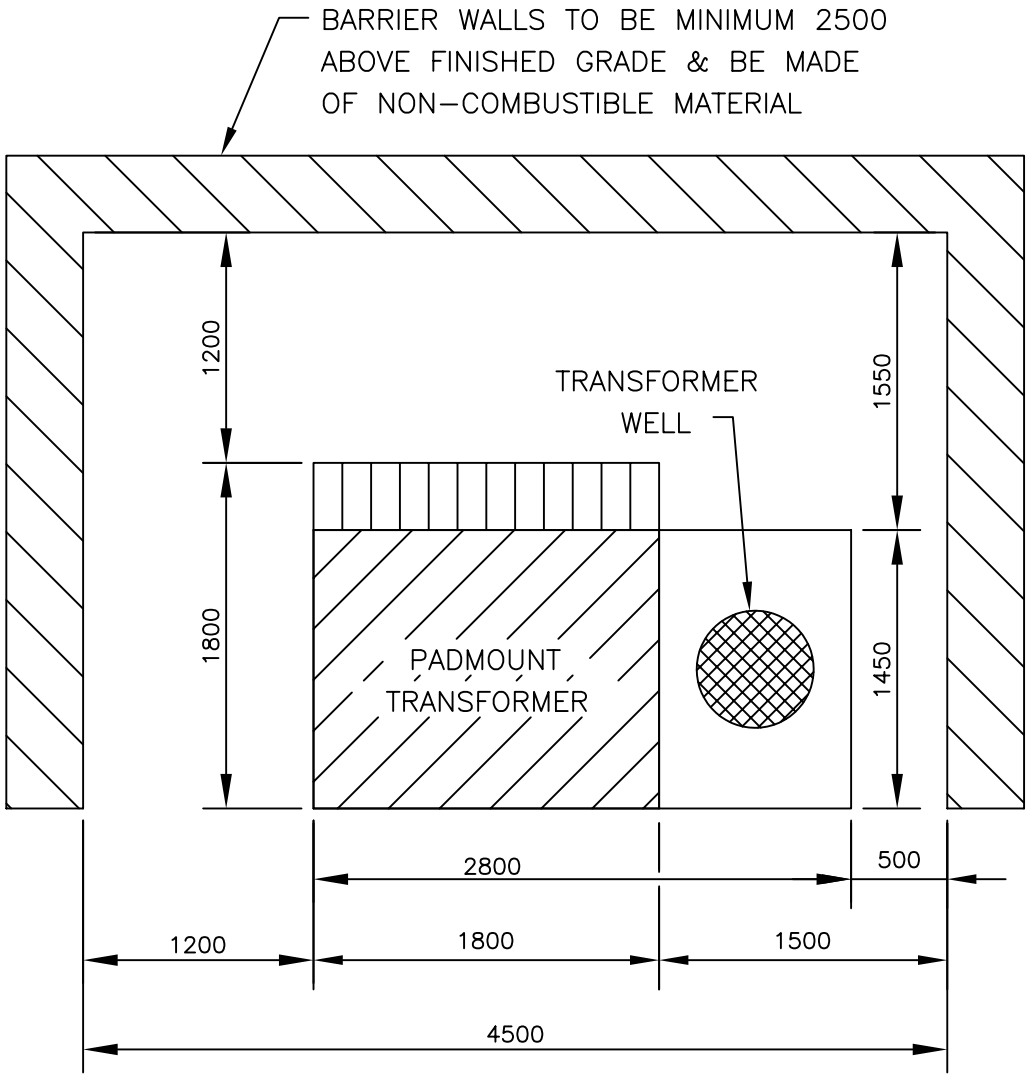
FOR MAINTENANCE ONLY

SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

	SaskPower – DISTRIBUTION STANDARDS			
	APPROVAL M. ERETH	DESIGN CHK. A. UHREN	DRN. DC CHKD. 2013-10-17	URBAN 3ø VAULTS
	DATE OF ISSUE 2014/03/21	DRAWING NO. B-26-75	SHEET 3 of 3	REV. A

AUTO✱DRAFT

BARRIER TYPE



SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

SaskPower – DISTRIBUTION STANDARDS

DRN.	DESIGN CHK.	APPROVAL	CLEARANCE REQUIREMENTS FOR TRANSFORMER TO WALLS
CHKD.			
DATE	DATE	DATE	
DATE OF ISSUE	DRAWING NO. B–26–76 SHEET 1 OF 3		REV. 0

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AUTO*DRAFT

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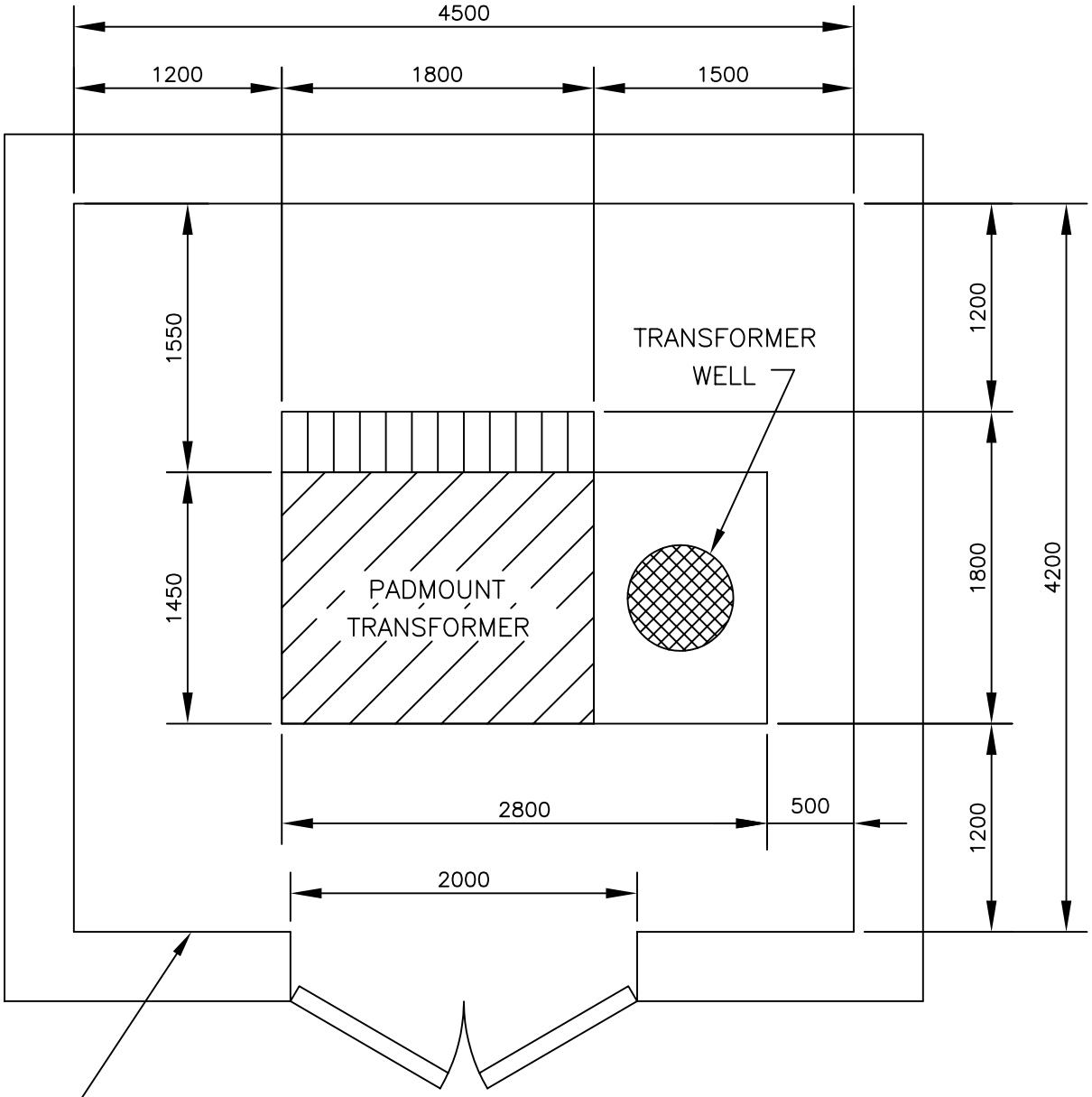
ENCLOSURE TYPE

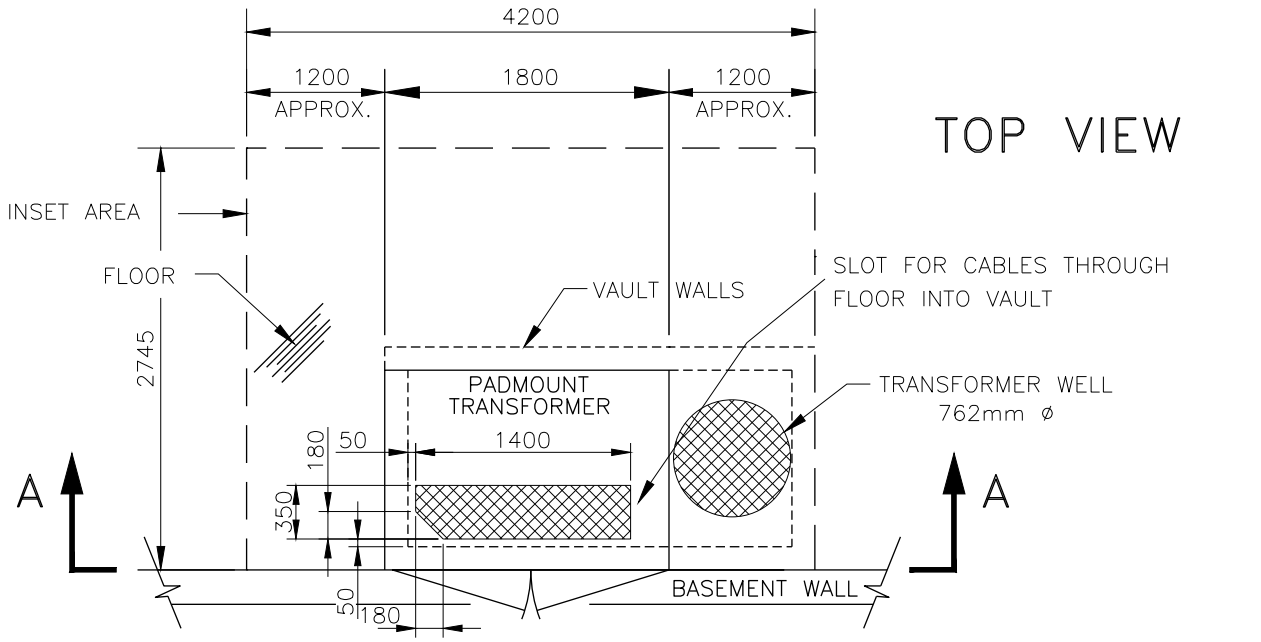


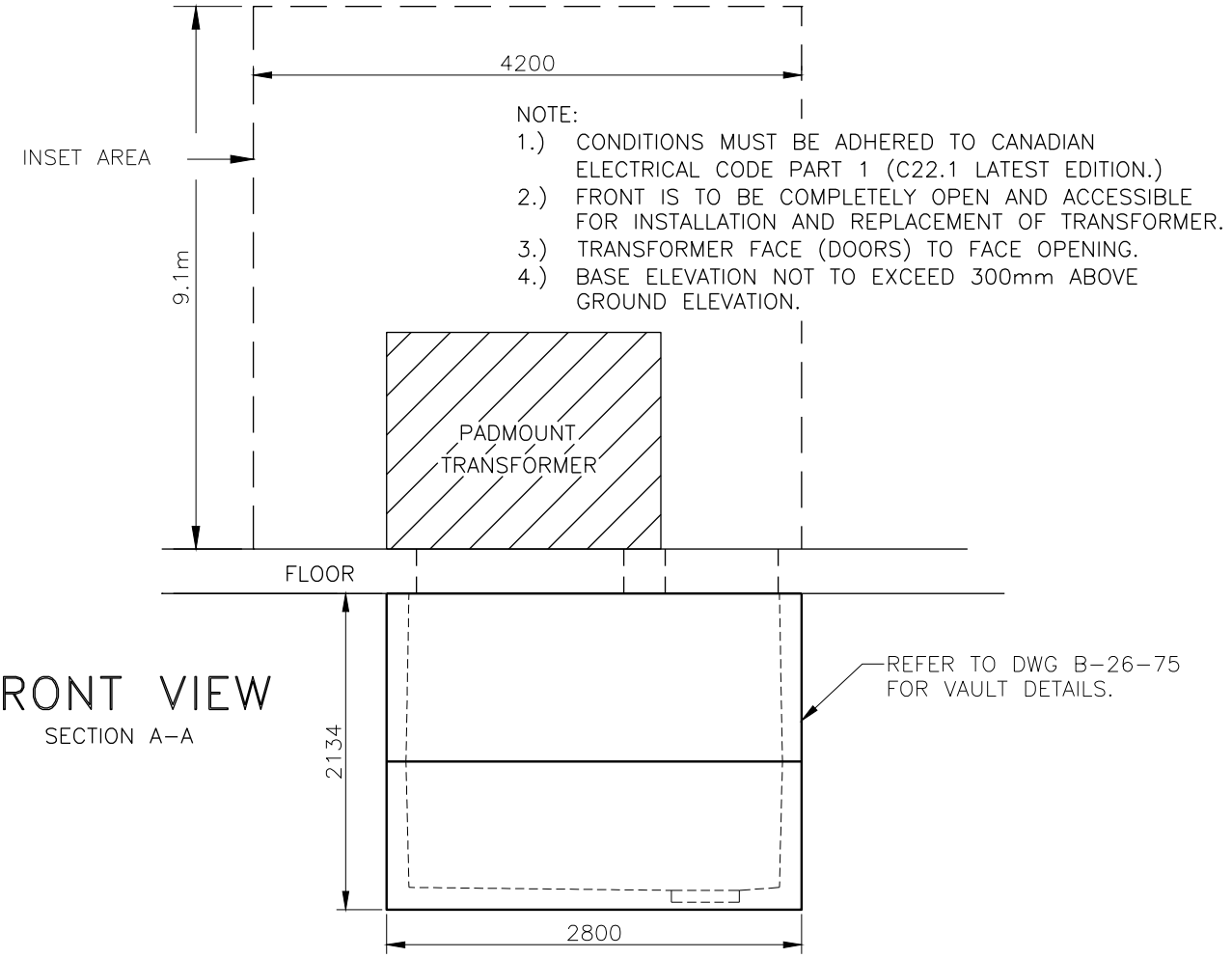
SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

SaskPower – DISTRIBUTION STANDARDS

DRN.	DESIGN CHK.	APPROVAL	CLEARANCE REQUIREMENTS FOR TRANSFORMER TO WALLS
CHKD.			
DATE	DATE	DATE	
DATE OF ISSUE	DRAWING NO.	B-26-76 SHEET 2 OF 3	REV.

BUILDING INSET TYPE





FRONT VIEW
SECTION A-A

NOTE:
1.) CONDITIONS MUST BE ADHERED TO CANADIAN ELECTRICAL CODE PART 1 (C22.1 LATEST EDITION.)
2.) FRONT IS TO BE COMPLETELY OPEN AND ACCESSIBLE FOR INSTALLATION AND REPLACEMENT OF TRANSFORMER.
3.) TRANSFORMER FACE (DOORS) TO FACE OPENING.
4.) BASE ELEVATION NOT TO EXCEED 300mm ABOVE GROUND ELEVATION.

SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

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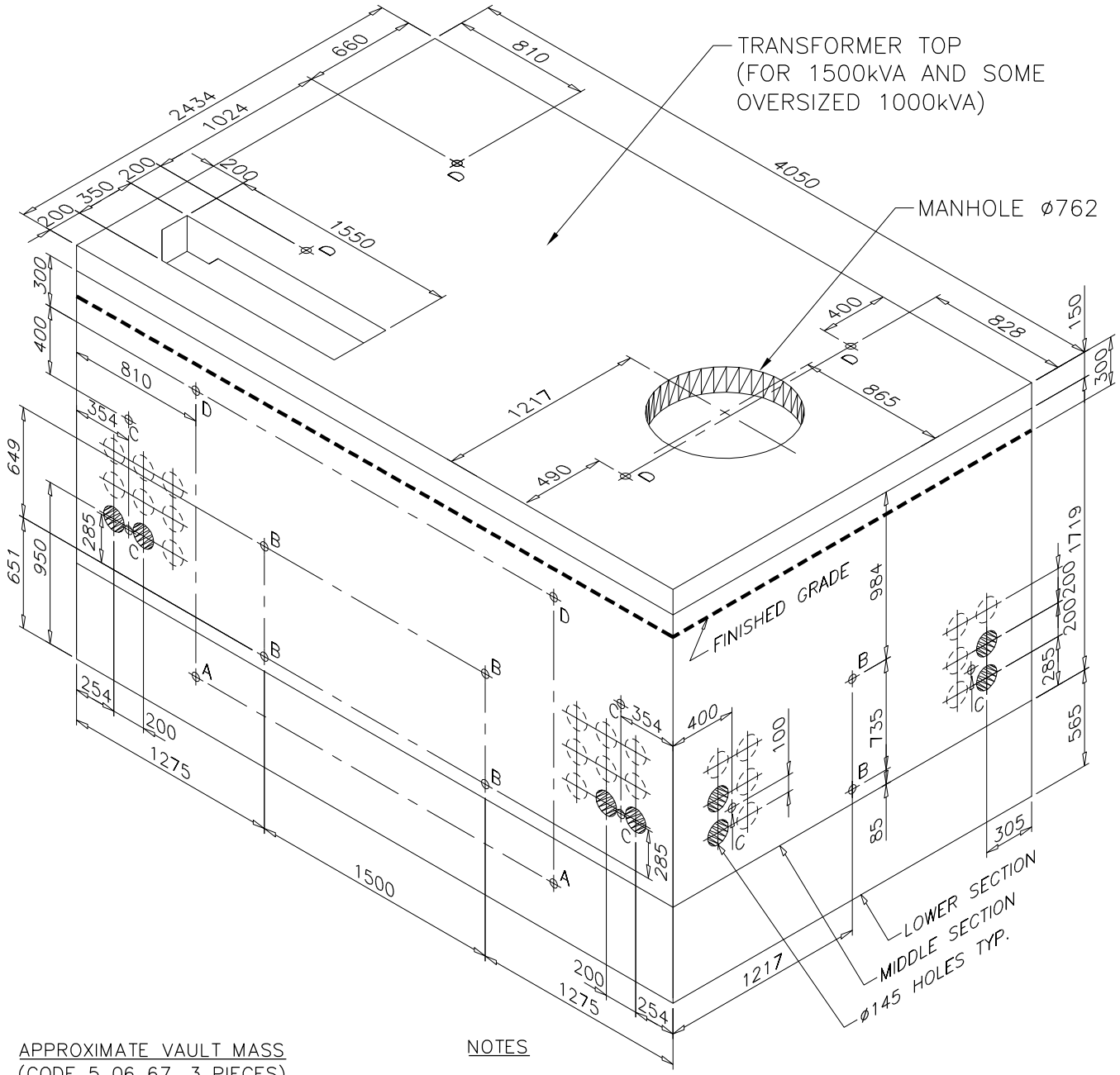
SaskPower – DISTRIBUTION STANDARDS			
APPROVAL M. ERETH	DESIGN CHK. A. UHREN	DRN. DC CHKD. 2013-10-09	CLEARANCE REQUIREMENTS FOR TRANSFORMER TO WALL
DATE OF ISSUE 2014/03/21	DRAWING NO. B-26-76	SHEET 3 of 3	REV. B



APPROXIMATE VAULT MASS
(CODE 5 06 67, 3 PIECES)

TOP SECTION	3515kg
MIDDLE SECTION	8165kg
BOTTOM SECTION	5171kg
TOTAL	16851kg

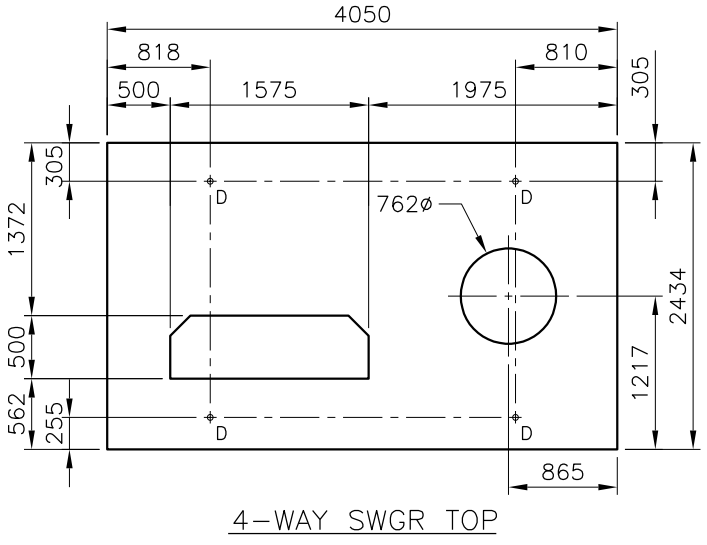
TOPS

TRANSFORMER (5 06 69)	3493kg
4-WAY SWGR (5 06 70)	3493kg
DBL SIDED SWGR(5 06 71)	3493kg
6-WAY SWGR (5 06 72)	3493kg
CABLE VAULT (5 06 73)	3697kg

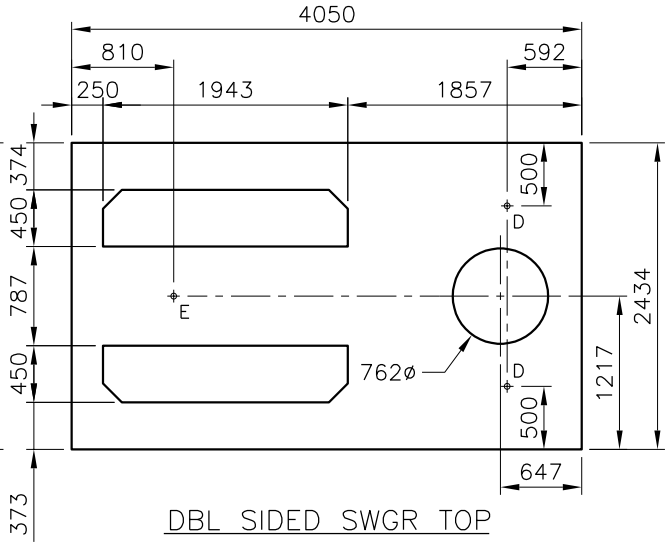
NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
2. REFERENCE FABRICATION DRAWING M2-57.
3. APPLY RAM NEK SEALANT BETWEEN BOTTOM AND MIDDLE SECTIONS.
4. A,D,E- LIFTING INSERTS
   B - RACKING INSERTS
   C - PULLING INSERTS
5. MAXIMUM TRANSFORMER OR SWITCH WEIGHT IS 9000kg EXCEPT 6-WAY, WHICH IS 4500kg.
6. ALTERNATE TOPS SHOWN ON SHEET 2.
7. PRIOR TO 2013, HEIGHT OF MIDDLE SECTION WAS 1421mm, FOR A TOTAL HEIGHT OF 2136mm.

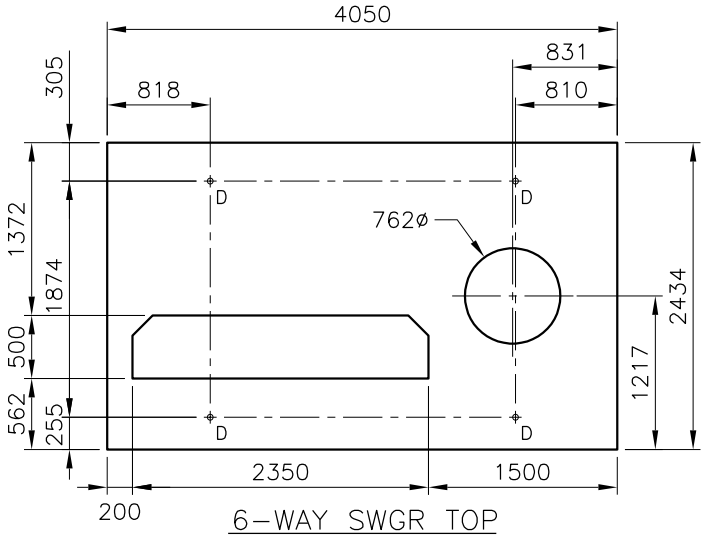
SaskPower - DISTRIBUTION STANDARDS			
APPROVAL L.MOEN	DESIGN CHK. L.MOEN	DRN.D.REDEKOPP CHKD.	URBAN 3ø VAULTS MODULAR VAULT
		2022-06-13	
DATE OF ISSUE 2022-08-15	DRAWING NO. B-26-77	SHEET 1 of 2	REV. E



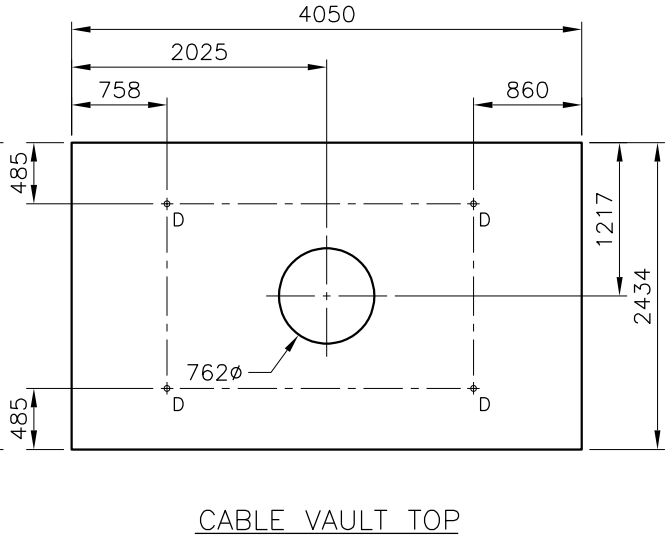
4–WAY SWGR TOP



DBL SIDED SWGR TOP



6–WAY SWGR TOP



CABLE VAULT TOP

APPROXIMATE VAULT MASS
(CODE 5 06 67, 3 PIECES)

TOP SECTION	3515kg
MIDDLE SECTION	8165kg
BOTTOM SECTION	5171kg
TOTAL	16851kg

TOPS

TRANSFORMER	(5 06 69)	3493kg
4–WAY SWGR	(5 06 70)	3493kg
DBL SIDED SWGR	(5 06 71)	3493kg
6–WAY SWGR	(5 06 72)	3493kg
CABLE VAULT	(5 06 73)	3697kg

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
2. REFERENCE FABRICATION DRAWING M2–57.
3. APPLY RAM NEK SEALANT BETWEEN BOTTOM AND MIDDLE SECTIONS.
4. A,D,E– LIFTING INSERTS
   B – RACKING INSERTS
   C – PULLING INSERTS
5. MAXIMUM TRANSFORMER OR SWITCH WEIGHT IS 9000kg, EXCEPT 6–WAY, WHICH IS 4500kg.

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL L.MOEN	DESIGN CHK. P.PATEL	DRN.D.REDEKOPP CHKD. 2022–06–13	URBAN 3ø VAULTS MODULAR VAULTS TOPS FOR 4–WAY, PMH, 6–WAY & CABLE ONLY
DATE OF ISSUE 2022-08-15		DRAWING NO. B–26–77 SHEET 2 of 2	REV. B

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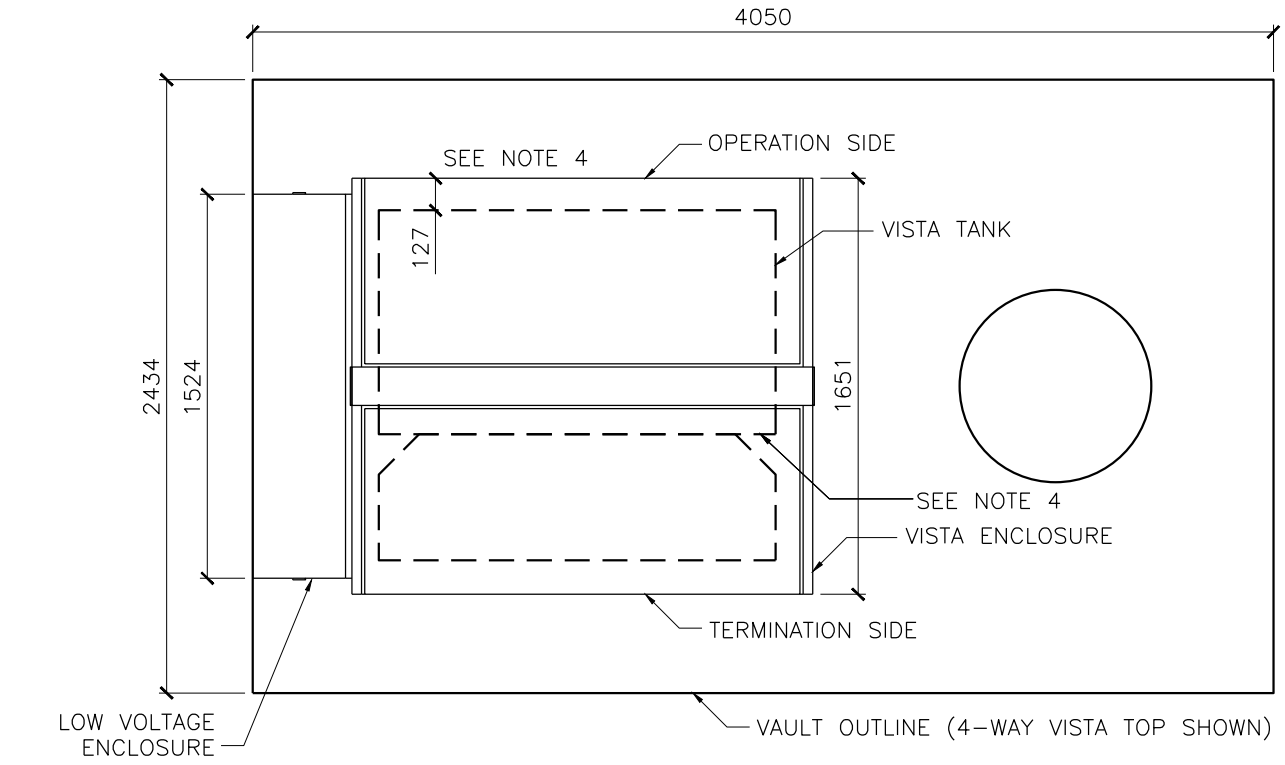
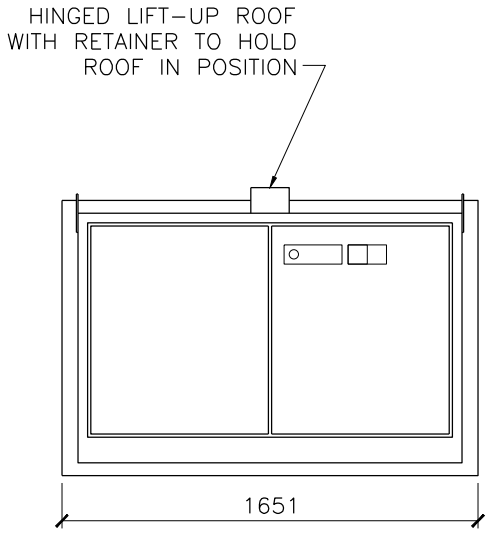
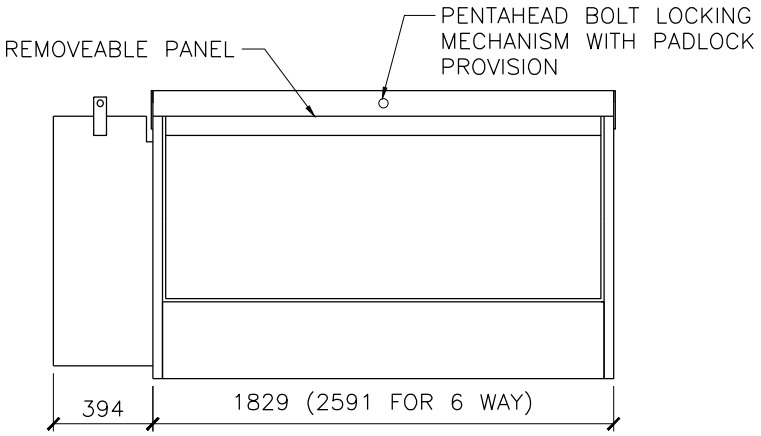


PLAN VIEW



SIDE VIEW



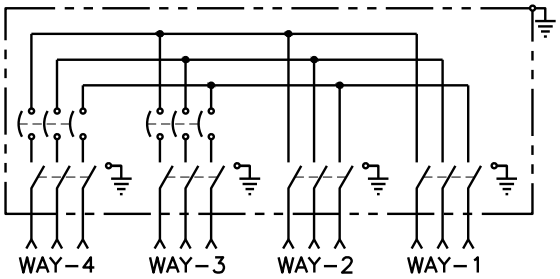
FRONT VIEW
TERMINATION SIDE

NOTE:
1. INSTALLED ON MODULAR CONCRETE VAULT 5 06 67 WITH 4-WAY VISTA SWITCH TOP 5 06 70 OR 6 WAY VISTA SWITCH TOP 5 06 72. SEE B-26-77 FOR DETAILS.
2. FOR GROUNDING SEE B-33-40 OR B-33-41.
3. MINIMUM CLEARANCES REQUIRED AROUND VISTA SWITCH: 1m ON OPERATIONS SIDE, 3m ON TERMINATION SIDE, 1m ON LOW VOLTAGE ENCLOSURE SIDE.
4. RECOMMENDED DIMENSIONS OF VISTA TANK AND ENCLOSURE IN RELATION TO EACH OTHER ARE SHOWN. EDGE OF VISTA TANK MOUNTING PADS SHOULD BE IN LINE WITH UPPER EDGE OF HOLE. AND VISTA TANK SHOULD BE CENTERED IN RELATION TO THE HOLE OPENING.

SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL L.MOEN	DESIGN CHK. A.UHREN	DRN. D.REDEKOPP CHKD. 2015-12-01	3Ø PADMOUNT VISTA SWITCH ENCLOSURE LAYOUT
DATE OF ISSUE 2016/02/05	DRAWING NO. B-26-79	SHEET 1 of 5	REV. B

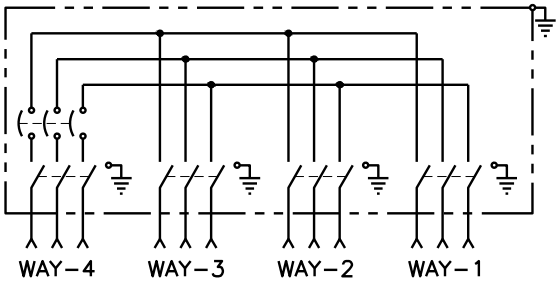
OPERATION SIDE



TERMINATION SIDE

MODEL 422

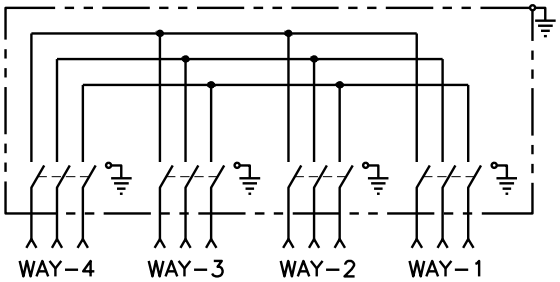
OPERATION SIDE



TERMINATION SIDE

MODEL 431

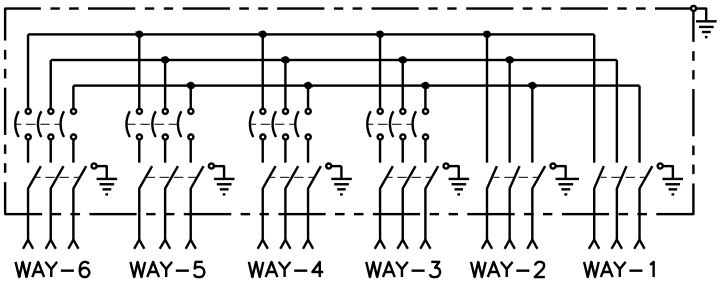
OPERATION SIDE



TERMINATION SIDE

MODEL 440

OPERATION SIDE



TERMINATION SIDE

MODEL 624

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL M. ERETH	DESIGN CHK. A. UHREN	DRN. DC CHKD. 2013-07-09	3ø PADMOUNT VISTA SWITCH CONNECTION DIAGRAMS
DATE OF ISSUE 2014/03/21	DRAWING NO. B-26-79	SHEET 2 of 5	REV. 0

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BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY	DESCRIPTION
1	2 65 XX	14	HYLUG
2	2 68 1X	6	CABLE ADAPTER – ELBOW – 25 kV – 600A (SEE NOTE 2)
3	2 68 2X	6	LUG – ELBOW – 25 kV – 600A (SEE NOTE 2)
4	2 68 52	6	HOUSING – ELBOW – INTEGRAL REDUCING TAP – 25 kV – 600A
5	2 83 20	5 m	WIRE – CU – BARE – 2/0 (SEE NOTE 6)
6	5 05 75	--	SWITCHGEAR – PADMOUNT – DEADFRONT – 6 WAY – 624 – 1 OR 3 POLE TRIPPING
6	5 05 76	1	SWITCHGEAR – PADMOUNT – DEADFRONT – 4 WAY – 422 – 1 OR 3 POLE TRIPPING
6	5 05 77	--	SWITCHGEAR – PADMOUNT – DEADFRONT – 4 WAY – 422 – 3 POLE TRIPPING ONLY
6	5 05 78	--	SWITCHGEAR – PADMOUNT – DEADFRONT – 4 WAY – 431 – 1 OR 3 POLE TRIPPING
6	5 05 79	--	SWITCHGEAR – PADMOUNT – DEADFRONT – 4 WAY – 440
7	5 06 67	1	VAULT – CONCRETE – MODULAR – BASE SECTIONS (SEE NOTE 1)
8	5 06 70	1	VAULT – CONCRETE – MODULAR – TOP (SEE NOTE 1)
8	5 06 72	--	VAULT – CONCRETE – MODULAR – TOP FOR 6 WAY (SEE NOTE 1)
9	5 06 94	6	FAULT INDICATOR – 300 AMP – REMOTE INDICATOR
10	5 06 98	2	FAULT INDICATOR – 800 AMP – 3 PHASE
11	5 79 12	6	INSERT – LOADBREAK BUSHING – 25 kV
12	5 79 14	6	INSERT – INSULATED CAP – 25 kV
13	5 XX XX	6	ELBOW – LOADBREAK – 25 kV (SEE NOTE 3)
14	7 66 00	3	PADLOCK – HERCULES 980 SERIES
15	70 29 09	24	TYRAP – BLACK – WEATHERABLE – 7” (SEE NOTE 5)
16	71 42 06	0.1	TAPE – PHASE I.D. – RED
17	71 42 07	0.1	TAPE – PHASE I.D. – BLUE
18	71 42 08	0.1	TAPE – PHASE I.D. – YELLOW
19	05 382 3XX	60	MARKER – CABLE – SLEEVE TYPE (SEE NOTE 5)
20	05 382 38X	12	MARKER SLEEVE – CABLE (SEE NOTE 5)
21	05 638 2XX	X	NUMBERS – IDENTIFICATION

NOTES LOCATED ON SHEET 5 OF 5.

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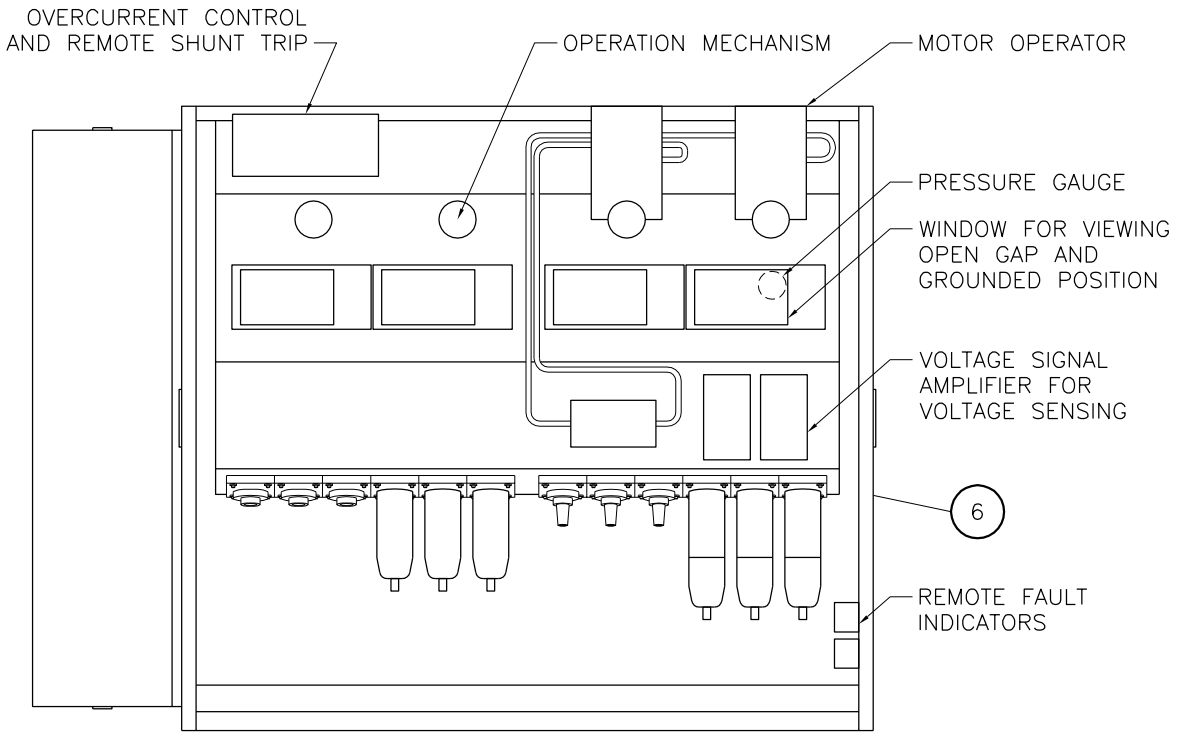
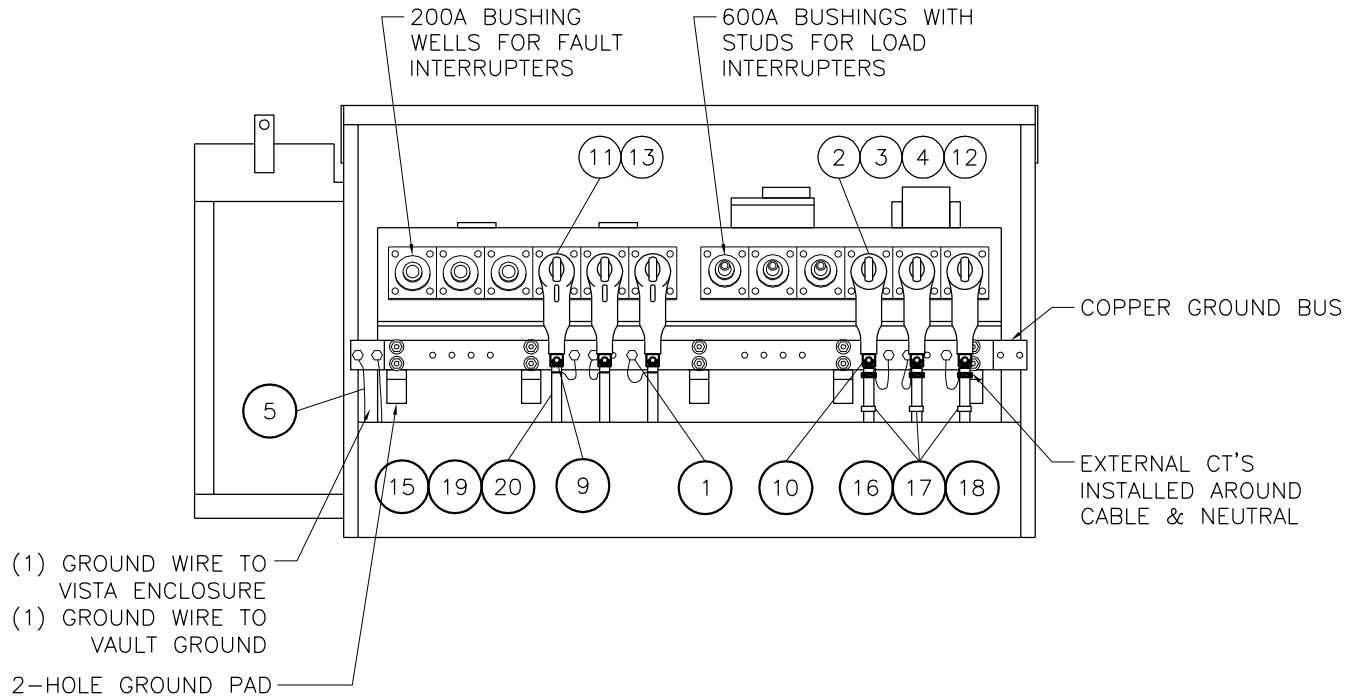


OPEN TOP VIEW
(422 MODEL SHOWN)



OPEN TERMINATION VIEW
(422 MODEL SHOWN)

NOTES:
1. NOT ALL CABLES ARE SHOWN.

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL L.MOEN	DESIGN CHK. B.GEBHART	DRN.D.REDEKOPP CHKD. 2020-12-30	3ø PADMOUNT VISTA SWITCH INSTALLATION
DATE OF ISSUE 2021-08-16	DRAWING NO. B-26-79	SHEET 4 of 5	REV. A

BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY	DESCRIPTION
			NOTE: **1. SEE MODULAR VAULT DRAWING B-26-77 FOR DETAILS.** **2. SEE DRAWING B-36-47 FOR SPECIFIC MATERIAL ITEM REQUIRED.** **3. SEE DRAWING B-36-42 FOR SPECIFIC MATERIAL ITEM REQUIRED.** **4. MATERIALS SHOWN ARE FOR 4 WAY VISTA – 422 (5 05 76 OR 5 05 77).** **FOR 5 05 78, ADD (3) OF ITEMS 2, 3, 4, 12 & (1) OF ITEM 10, DELETE (3) OF ITEMS 9, 11 & 13.** **FOR 5 05 79, ADD (6) OF ITEMS 2, 3, 4, 12 & (2) OF ITEM 10, DELETE (6) OF ITEMS 9, 11 & 13.** **FOR 5 05 75, ADD (6) OF ITEMS 1, 9, 11 & 13, AND USE 6 WAY VISTA VAULT TOP (5 06 72).** **5. MATERIALS FOR CABLE MARKERS ARE ASSUMED TO HAVE (12) CABLES AND (5) LETTERS/NUMBERS FOR EACH.** **6. TWO RUNS OF #2 CU IS ALSO AN ACCEPTABLE CONNECTION TO GROUND.** **7. REFER TO B-30-20 FOR APPLICABLE STOCK CODES AND MOUNTING DETAILS.**

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BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY	DESCRIPTION
1	**1-85-01**	**0.5 lb**	**STAPLES - FENCE 1 3/4"**
2	**8-12-15**	**0**	**BARB WIRE - 2 STR #12 STEEL**
3	**8-12-16**	**3**	**BARB WIRE SPLICE**
4	**PURCHASE LOCALLY**	**0**	**POST - FENCING**

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*Sask**Power*** - DISTRIBUTION STANDARDS

DRN.	DESIGN CHK.	APPROVAL	**BARB WIRE FENCE REPAIR**
CHKD.			
DATE	DATE	DATE	

DATE OF ISSUE **91-11-01** | DRAWING NO: **B-26-80** **Sheet 1 of 2** | REV. **0**

SPC/AUTODRAFT

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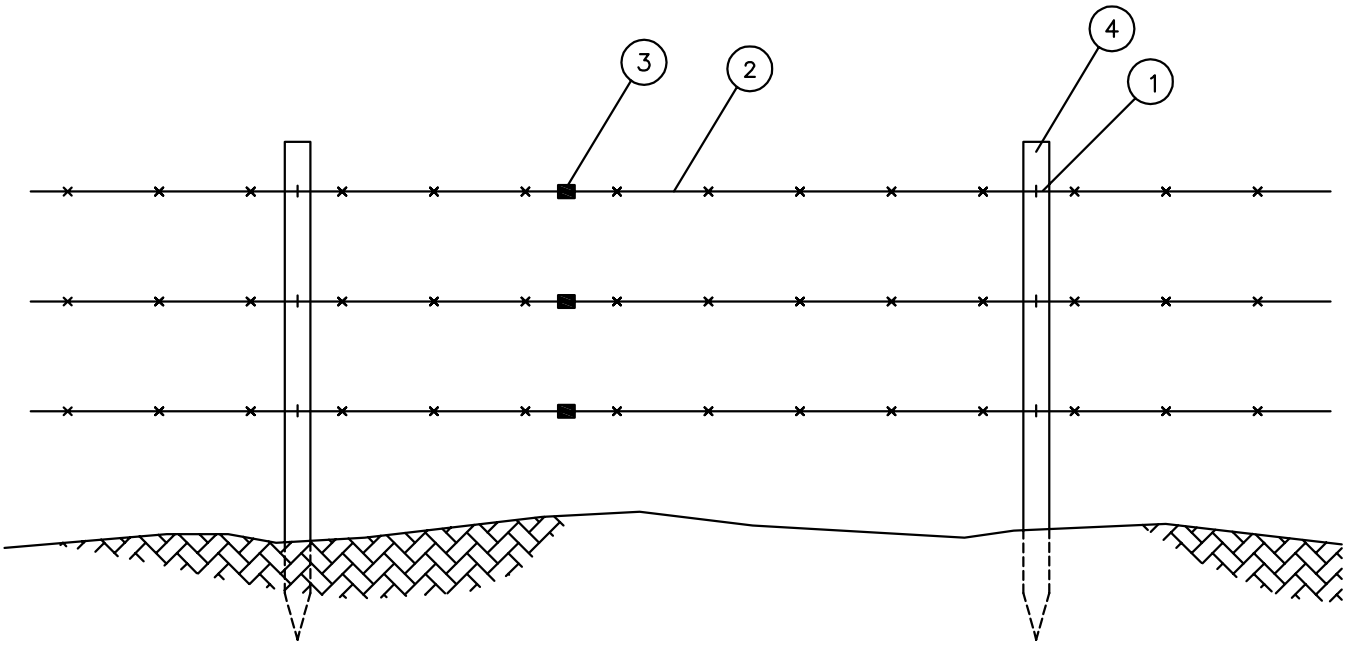

SaskPower – DISTRIBUTION STANDARDS					
DRN. JAB	DESIGN CHK.	SAFETY APP.	APPROVAL	BARB WIRE FENCE REPAIR	
CHKD.					
DATE 02-02-19	DATE	DATE			
DATE OF ISSUE 91-06-03			DRAWING NO. B-26-80	SHEET 2 of 2	REV. 0

BILL OF MATERIAL

ITEM NO.	CODE NO.	QUANTITY A	QUANTITY B	DESCRIPTION
1	5 04 90	1	-	GROUND LEVEL PULL BOX – 30” x 48” x 36”
2	5 04 91	-	1	GROUND LEVEL PULL BOX – 36” x 75” x 42”
3	70 85 02	X	X	CONDUIT, HDPE - RED - 2", SMOOTH WALL
4	70 85 42	6	12	COUPLER MECHANICAL, 2"
5	70 85 52	6	12	DUCT 90 DEGREE SWEEP, FOR 2", 12" RADIUS
6	70 85 XX	X	X	DUCT PLUG – 2” – SEE NOTE 1

NOTES:

1. **REFER TO B-36-52 FOR DUCT ACCESSORIES.**

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*Sask**Power*** - DISTRIBUTION STANDARDS

APPROVAL	DESIGN CHK	DRN. **DCD**	**GROUND LEVEL PULL BOX**
L. MOEN	**D. DONAIS**	CHKD.	
		2018-08-30	

DATE OF ISSUE 2018-09-13	DRAWING NO. **B-26-81**	**SHEET 1 OF 3**	REV. **0**

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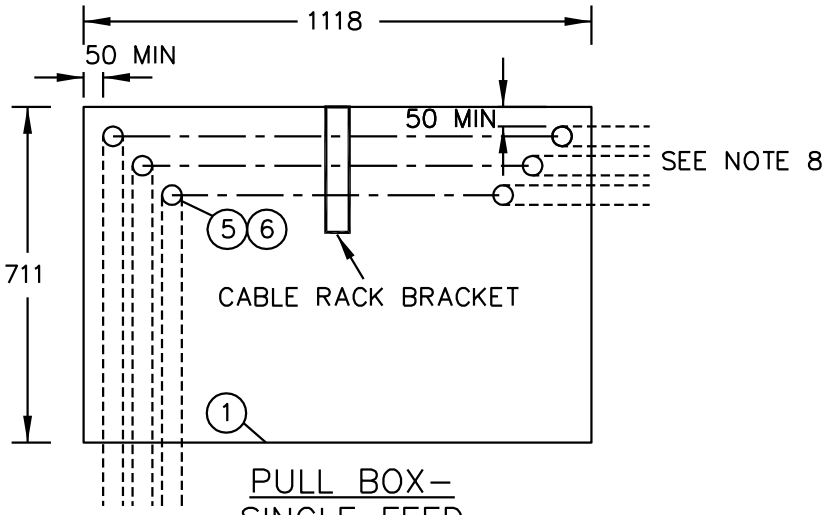
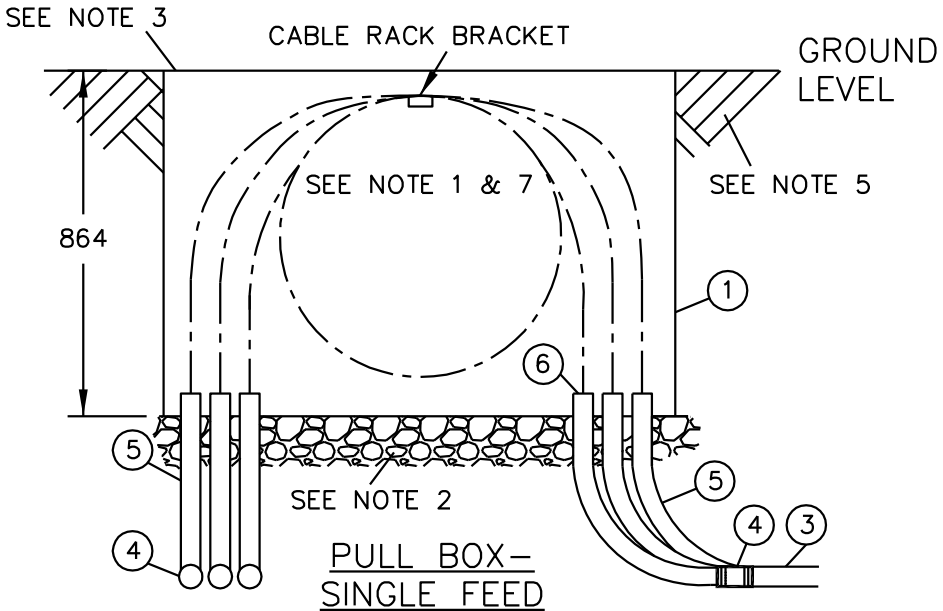


PULL BOX–
SINGLE FEED
TOP VIEW



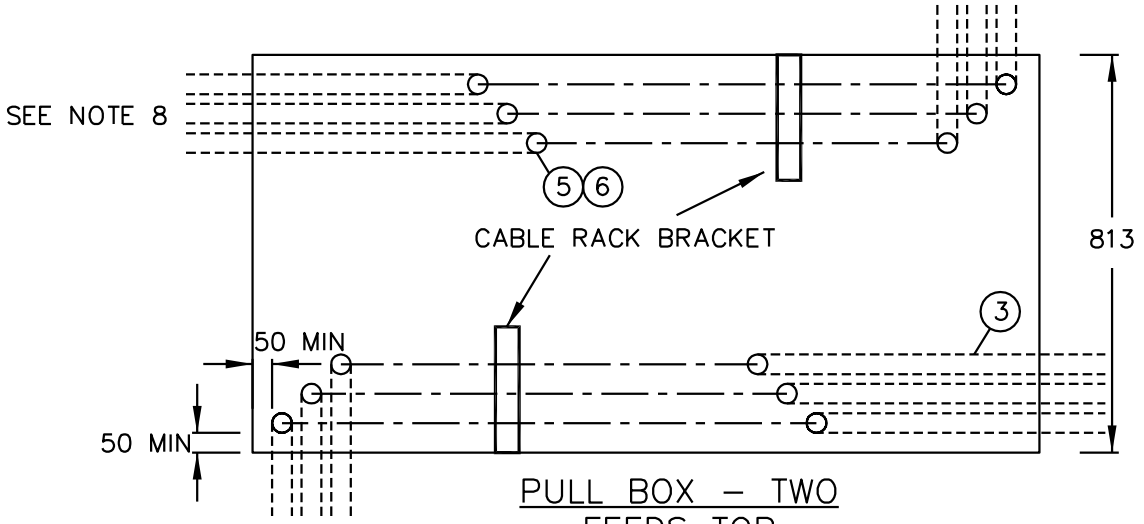
PULL BOX–
SINGLE FEED
SIDE VIEW

NOTE:
1. CABLE BENDING RADIUS SHALL NOT BE EXCEEDED. REFER TO CABLE MANUFACTURERS SPECIFICATIONS.
2. FOR DRAINAGE PURPOSES A MINIMUM OF 152mm OF CRUSHED ROCK SHALL BE USED.
3. BOX SHALL BE FLUSH WITH FINAL GRADE. MODIFICATIONS MAY BE MADE TO THE BOX TO ENSURE NO TRIPPING HAZARD SHALL BE PRESENT. REFER TO MANUFACTURERS SPECIFICATIONS.
4. CONDUITS SHALL COME UP A MINIMUM 100mm ABOVE THE CRUSHED ROCK LEVEL. EMPTY CONDUITS SHALL BE CAPPED OR PLUGGED PRIOR TO BACKFILLING.
5. BACKFILLING SHALL BE HAND TAMPED ENSURING THAT THE SOIL FILLS THE RIBBING OF THE PULL BOX. LID SHALL BE INSTALLED PRIOR TO BACKFILLING. BACKFILL MATERIAL SHALL BE NATIVE SOIL.
6. REFER TO B–30–26 FOR CABLE LABELING REQUIREMENTS.
7. CABLE SHALL BE RACKED VERTICALLY WITH A MINIMUM OF ONE FULL LOOP.
8. CONDUITS MAY RUN UNDER THE BOX GOING IN ANY DIRECTION WITH CONDUIT CONGESTION BEING THE LIMITING FACTOR. ONLY ONE OF THE POSSIBLE DIRECTIONS SHOWN FOR CLARITY.

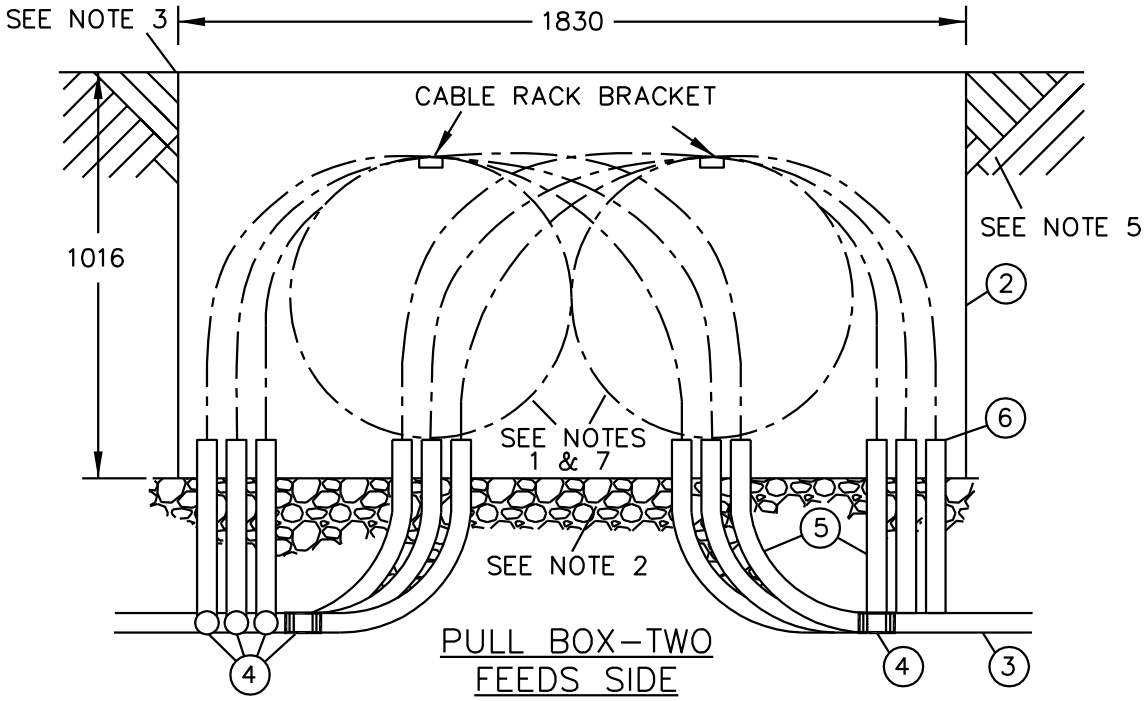
SCALE: N.T.S. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED

APPROVED FOR CONSTRUCTION

SaskPower – DISTRIBUTION STANDARDS			
APPROVAL L.MOEN	DESIGN CHK. D.DONAIS	DRN.C.BAUTISTA CHKD.	GROUND LEVEL PULL BOX
		2018–08–28	
DATE OF ISSUE 2018-09-13		DRAWING NO. B–26–81	SHEET 2 of 3 REV.



PULL BOX – TWO FEEDS TOP VIEW



PULL BOX–TWO FEEDS SIDE VIEW

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