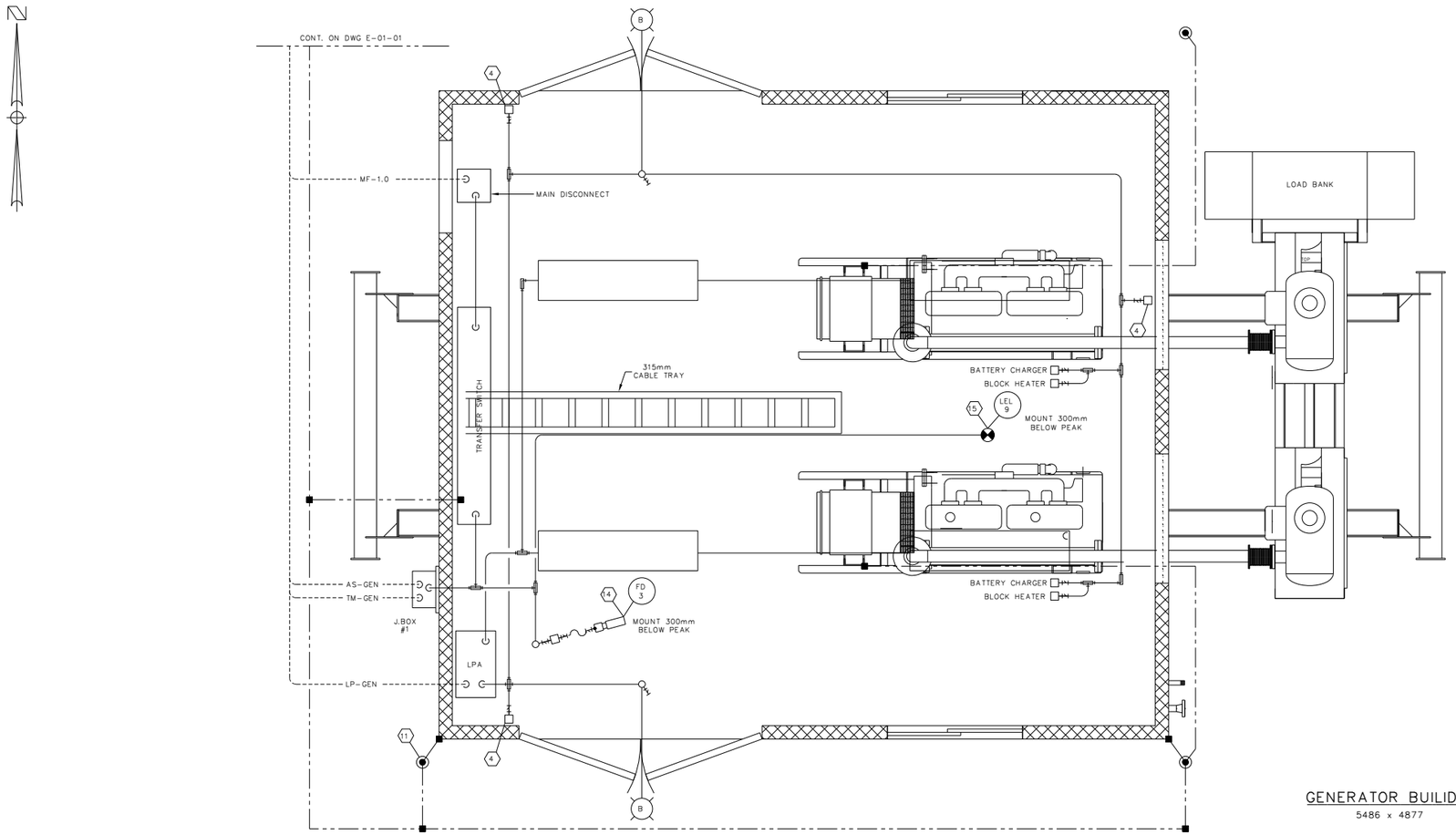


GENERATOR BUILIDNG

5486 x 4877

BILL OF MATERIALS

(AS REQUIRED)

FIXTURES

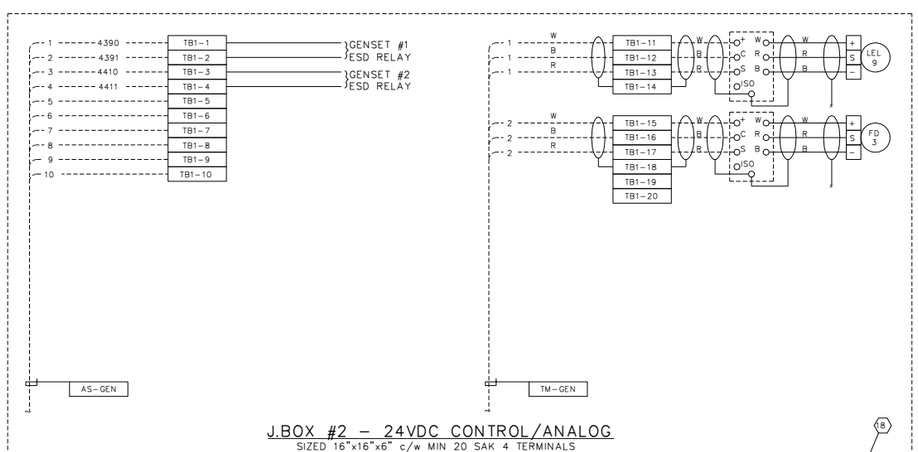
A. CROUSE HINDS #EVLPA14151 120V, 150W HPS PENDANT MOUNT, EXPLOSION PROOF FIXTURE c/w GLOBE, GUARD AND LAMP.
B. CROUSE HINDS #VXHBF25GP 120V, 150W INCANDESCENT, VAPOUR PROOF, WALL MOUNT OUTDOOR FIXTURE c/w GLOBE, GUARD AND LAMP.
C. CROUSE HINDS #EVLPBX14251 120V, 150W HPS WALL MOUNT EXPLOSION PROOF FIXTURE c/w GLOBE, GUARD, LAMP AND WALL MOUNT BASE.
D. CROUSE HINDS #EVA215 120V, 200W INCANDESCENT, EXPLOSION PROOF PENDANT MOUNT INDOOR FIXTURE c/w GLOBE, GUARD AND LAMP.
E. CROUSE HINDS #VXHA-42GP 120V, 200W INCANDESCENT STANCHION MOUNT c/w GLOBE, GUARD AND LAMP.
F. CROUSE HINDS #LMVS2A150GP CLASS I, DIV II, 120V 150W HPS PENDANT MOUNT FIXTURE c/w GLOBE, GUARD AND LAMP.
G. CLASS I, DIV I, 120VAC BEACON - BLUE, ROTATING (FED SIG #FSS121X)
H. CLASS I, DIV I, 120VAC BEACON - RED, ROTATING (FED SIG #FSS121X)
I. 2'x4' FLUORESCENT INDUSTRIAL WRAP AROUND FIXTURE c/w LAMPS.

MATERIALS

1. CROUSE HINDS EXPLOSION PROOF 3 POS. H.O.A. SWITCH.
2. CROUSE HINDS #EFS-2199, 120V, 1hp, EXPLOSION PROOF MANUAL MOTOR STARTING SWITCH c/w PROPERTY SIZED O.L. HEATER.
3. CROUSE HINDS 120V, 20A, EXPLOSION PROOF ON/OFF TUMBLER SWITCH.
4. CROUSE HINDS #CPS-152R 120V, 20A EXPLOSION PROOF FACTORY SEALED RECEPTACLE.
5. CROUSE HINDS EXPLOSION PROOF STOP/START STATION c/w LOCKOUT BAR FOR STOP BUTTON.
6. CATADYNE START STATION (120VAC) COMPRISED OF:
   (1) EFSC-272 BOX.
   (1) DSD-933 ON/OFF.
   (1) DSD-946-J1 RED 120 VAC PILOT LIGHT.
7. A.B. #800R-1H24 STAINLESS STEEL BOX c/w 800T-A6AP RED, SEALED CONTACT BLOCK PUSHBUTTON, 800H-N5A RED PROTECTIVE BOOT, RED SHROUD, AND MIN 4"x6" ESD WARNING LAMICOID.
8. CLASS I DIV I SPEED POTENTIOMETER c/w LOCAL/REMOTE AND ON/OFF SWITCH (BY OWNER).
9. EXPLOSION PROOF THERMOSTAT 120V, 10A 5°C TO 30°C. (OWNER SUPPLIED)
10. NEMA 4 STEEL ENCLOSURE SIZE AS REQUIRED c/w BACK PAN, TERMINAL BLOCKS AND HARDWARE.
11. 10' x 3/4" GROUNDRODS AND GROUNDWELLS c/w COVER.
12. TRUCK GROUNDING CABLE ASSEMBLY: #4 WELDING CABLE c/w CLAMP AND STAND.
13. RUFFNECK MODEL 4, 480VAC 3PH ELECTRIC UNIT HEATER c/w BUILT-IN THERMOSTAT. (OWNER SUPPLIES)
14. NET SAFETY #UVU-120-A UNITIZED 120° UV FIRE DETECTOR c/w SWIVEL MOUNT, 3 PIG TAIL AND JB4-UV ASSY 4 WIRE TERMINATION BOX.
15. NET SAFETY #UT-P-SC1100-100-ASEP COMBUSTIBLE GAS DETECTOR c/w SENSOR SEPARATION KIT 24VDC 4-20mA SIGNAL OUTPUT.
16. NET SAFETY #UT-P-ST1210-100-A H2S GAS DETECTOR c/w CCS-1 SPLASH GUARD; 24VDC 4-20mA SIGNAL OUTPUT.
17. NET SAFETY #MW226365 SENSOR SEPARATION KIT.
18. HOFFMAN #A-NMV6 DRAIN SEAL.

NOTES:

1. "POST CONSTRUCTION" DRAWINGS ARE GENERATED FROM CONSTRUCTION CHANGE INFORMATION FORWARDED TO BOWER DAMBERGER ROLSETH ENGINEERING LTD. BY THE OWNER'S FIELD SUPERVISORS AND OR HIRED CONTRACTORS. ANY CHANGES NOT DOCUMENTED WILL NOT APPEAR ON THE DRAWINGS AND THEREFORE THE DRAWING MAY NOT BE AN ACCURATE REPRESENTATION OF THE CONSTRUCTED FACILITY.
2. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AND OR EXCAVATION IT SHALL BE THE RESPONSIBILITY OF THE OWNER'S REPRESENTATIVE TO VERIFY THE LOCATION AND STATUS OF ANY PIPING, ELECTRICAL, EQUIPMENT OR BUILDINGS.
3. ANY REVISIONS MADE TO EXISTING EQUIPMENT, PIPING, OR ELECTRICAL ON A FACILITY NOT DESIGNED BY B.D.R. ENG. LTD. IS ONLY SHOWN AS A REPRESENTATION OF WHAT EXISTS AND MUST BE VERIFIED BY THE OWNER.
4. ALL J.BOXES SHALL BE NEMA 4 c/w BACKPAN, SINGLE OR DOUBLE PADLOCKABLE HASP.
5. ALL TERMINALS SUPPLIED SHALL BE c/w REQUIRED MOUNTING HARDWARE AND INDIVIDUAL TERMINAL NUMBERS/TAGS.
6. ALL WIRING TO THE SKID DEVICES SHALL BE TAKEN FROM THE RIGHTHAND SIDE OF THE TERMINALS, DIRECT WITHOUT SPLICES OF ANY KIND.
7. WIRING FOR ALL DEVICES SHALL BE TAGGED AS PER J.BOX LAYOUTS.
8. FIELD CONTRACTOR TO ENSURE ALL INCOMING/EXITING TECK CABLES ARE c/w GROUNDING BUSHINGS.
9. ALL J.BOXES ARE TO HAVE LAMICOID NAME PLATES AS PER DRAWINGS.
10. FIELD CONTRACTOR WILL BE RESPONSIBLE FOR GROUNDING AS WELL AS THE PACKING AND POURING OF ALL SEALS. THIS APPLIES WHETHER OR NOT THE SKID ARRIVES PRE-WIRED.
11. CONDUIT METHOD WILL BE RA c/w ALL FITTINGS.
12. ALL CABLES TO ENTER/EXIT THE BOTTOM OF THE J.BOXES. ALL CONDUIT TO ENTER/EXIT THE TOP OF THE J.BOXES VIA MYERS HUB.
13. THIS SKID IS CLASSIFIED CL-I ZONE-1.
14. INSTALLATION TO BE DONE ACCORDING TO GENERAL SPEC. INCLUDED WITH BID PACKAGE.
15. LEL DETECTORS TO BE INSTALLED USING OWNER SUPPLIED SEPARATION KITS. SEPARATION KITS TO BE MOUNTED ON WALL @ APPROXIMATELY 1500mm TO CENTER.
16. ALL CABLE TRAY IS TO BE SUPPLIED BY SKID ELECTRICAL CONTRACTOR INCLUDING RISERS TO MAIN CABLE TRAY RUN AND JUNCTION BOXES. THE LENGTH BELOW GRADE IS TO BE DETERMINED BY THE OWNERS REPRESENTATIVE AND IS TO BE PACKAGED INSIDE THE SKID FOR SHIPPING.
17. ALL VERTICAL CABLE TRAY RISERS ARE TO BE COMPLETE WITH PROPER SUPPORTS AND ALUMINUM TRAY COVER.



J.BOX #2 - 24VDC CONTROL/ANALOG

SIZED 16"x16"x6" c/w MIN 20 SAK 4 TERMINALS

GENERAL NOTES:

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3. ANY REVISIONS MADE TO EXISTING EQUIPMENT, PIPING OR ELECTRICAL ON A FACILITY NOT DESIGNED BY B.D.R. ENG. LTD. IS ONLY SHOWN AS A REPRESENTATION OF WHAT EXISTS AND MUST BE VERIFIED BY THE OWNER.

NO.	REVISION	BY	DATE	CHK.
				DRN. BY FC 01.06.06
				CHK. BGO 01.06.06
				APP'D.
				LSD 04-13-09-04 W5M
7	AS BUILT	IRH	03.09.29	MPB
6	FIELD MARKUPS - POST CONSTRUCTION	FC	02.02.21	BGO
5	CLIENT'S NAME CHANGE	FC	02.02.07	BGO
4	FIELD MARKUPS - POST CONSTRUCTION	FC	02.01.29	BGO
3	SKID MARKUPS - POST CONSTRUCTION	FC	01.08.31	BGO
2	ISSUED FOR CONSTRUCTION	FC	01.08.03	BGO
1	ISSUED FOR BID	FC	01.06.06	BGO
0	PROJ. #12618	FC	01.06.06	BGO

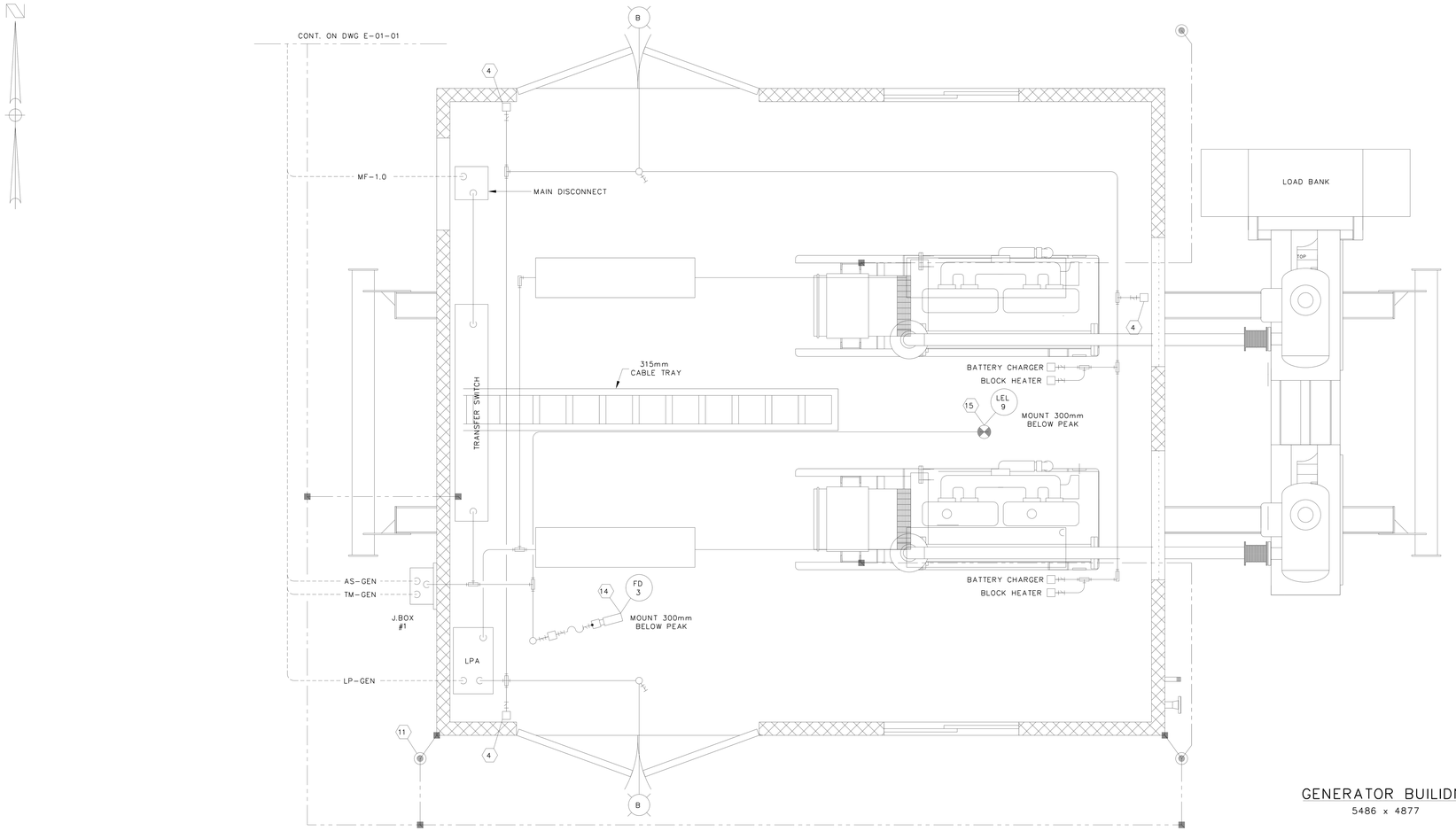
BOWER DAMBERGER ROLSETH ENGINEERING LTD.

DEVON CANADA CORPORATION

CALGARY — ALBERTA

NORTH COLEMAN
COMPRESSOR STATION
GENERATOR BLDG. ELECTRICAL LAYOUT

SCALE	DRAWING NUMBER	REV.
1 : 20	D-71613-E-08-03	7



GENERATOR BUILDNG

5486 x 4877

BILL OF MATERIALS

(AS REQUIRED)

FIXTURES

A. CROUSE HINDS #EVLPA143151 120V, 150W HPS PENDANT MOUNT, EXPLOSION PROOF FIXTURE c/w GLOBE, GUARD AND LAMP.
B. CROUSE HINDS #VXHBF25GP 120V, 150W INCANDESCENT, VAPOUR PROOF, WALL MOUNT OUTDOOR FIXTURE c/w GLOBE, GUARD AND LAMP.
C. CROUSE HINDS #EVLPBX142151 120V, 150W HPS WALL MOUNT EXPLOSION PROOF FIXTURE c/w GLOBE, GUARD, LAMP AND WALL MOUNT BASE.
D. CROUSE HINDS #EVA215 120V, 200W INCANDESCENT, EXPLOSION PROOF PENDANT MOUNT INDOOR FIXTURE c/w GLOBE, GUARD AND LAMP.
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G. CLASS I, DIV I, 120VAC BEACON - BLUE, ROTATING (FED SIG #FSS121X)
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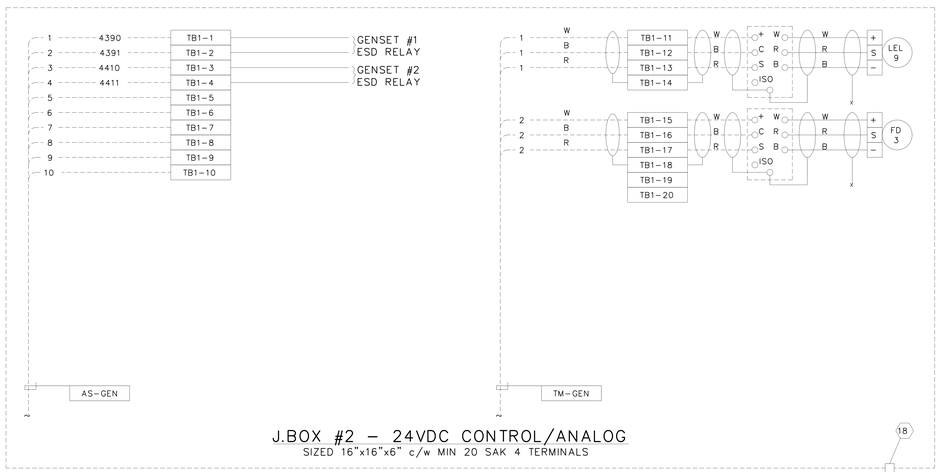

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7	AS BUILT	IRH	03.09.29	MPB
6	FIELD MARKUPS - POST CONSTRUCTION	FC	02.02.21	BGO
5	CLIENT'S NAME CHANGE	FC	02.02.07	BGO
4	FIELD MARKUPS - POST CONSTRUCTION	FC	02.01.29	BGO
3	SKID MARKUPS - POST CONSTRUCTION	FC	01.08.31	BGO
2	ISSUED FOR CONSTRUCTION	FC	01.08.03	BGO
1	ISSUED FOR BID	FC	01.06.06	BGO
0	PROJ. #12618	FC	01.06.06	BGO

	BY	DATE
DRN.	FC	01.06.06
CHK.	BGO	01.06.06
APP'D.		
LSD	04-13-09-04 W5M	

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DEVON CANADA CORPORATION

CALGARY — ALBERTA

NORTH COLEMAN
COMPRESSOR STATION
GENERATOR BLDG. ELECTRICAL LAYOUT

SCALE	DRAWING NUMBER	REV.
1 : 20	D-71613-E-08-03	7