BUILDING SPECIFICATIONS

DESIGN NOTES

1. DESIGN LOADS (BASED UPON CALGARY, AB): GROUND SNOW LOAD = 40#/ft
   RAIN LOAD = 0.1 kPa WIND LOAD = 100 MPH
   Za = 0, Zv = 1, v = 0.05
2. DESIGN STRUCTURE AS PER THE LATEST EDITION OF THE AB & NATIONAL BUILDING CODE
3. ALL BOLTS, SCREWS, ETC. USED FOR FASTENING ALUMINUM TO ALUMINUM AND ALUMINUM TO STEEL SHALL BE AUSTINETIC STAINLESS STEEL OR CADMIUM PLATED

GENERAL NOTES

1 NOTES WHICH ARE APPLICABLE TO THIS JOB WHEN SHADED

■ SUBNOTES WHICH ARE APPLICABLE WHEN SHADED

1 TYPE OF BUILDING (EAVELESS)

■ SELF FRAMING–SHED ☐ SELF FRAMING–GABLE ☐ RIGID FRAMING–GABLE

2 MATERIAL – EXTERIOR WALL & ROOF PANELS (22 ga MIN)

☐ GALVANIZED ☐ GALVALUME
■ COLOUR
WALLS WHITE WHITE SPEC # QC–317 ROOF WHITE WHITE SPEC # QC–317
DOORS HERON BLUE SPEC # QC–330 TRIM HERON BLUE SPEC # QC–330
☐ TRANSLUCENT ROOF PANELS
☐ SIZE _____ ☐ COLOUR _____ ☐ QTY _____

■ REMOVABLE ROOF SECTION REQUIRED FOR ENGINE AND COMPRESSOR REMOVAL

3 ROOF SLOPE

■ 1:12 ☐ 2:12 ☐ 3:12 4:12 ☐ OTHER _____

4 INSULATION – ROCKWOOL

■ WALLS ☐ R–12 ■ 3 LB/CU FT DENSITY SOUND ☐ R–20
■ ROOF ☐ R–12 ■ 3 LB/CU FT DENSITY SOUND ☐ R–20

5 DOORS – 20 ga METAL, INSULATED (NORMAL SIZES)

■ 3'x7' SINGLE ■ WS ■ WGW ■ PH ■ LS ■ DC ■ SF ■ CC ☐ CP ☐ IN
■ QTY 2
☐ 6'x7' DOUBLE ☐ WS ☐ WGW ☐ PH ☐ LS ☐ DC ☐ SF ☐ CC ☐ CP ☐ IN ☐ WGWBD
QTY _____

WS – WEATHER STRIPPING LS – LOCKSET CC – CHECKCHAIN
WGW – WIRE GLAZED WINDOW DC – DOOR CLOSURE CP – CANOPY
PH – PANIC HARDWARE SF – STEEL FRAME IN – INSULATED
WGWBD – WIRE GLAZED WINDOW BOTH DOORS

6 WINDOWS – HORIZONTAL SLIDING c/w SCREEN (SINGLE GLAZED)

☐ QTY _____ 40x40 ☐ QTY _____ 40x50 ☐ QTY _____WIRE GLAZED

7 LINER

☐ 24 ga FLUTED ALUMINUM ☐ 20 ga PERFORATED ALUMINUM – WHITE
☐ 24 ga FLUTED STEEL – WHITE ☐ 20 ga 33% PERFORATED ALUMINUM
☐ 20 ga PERFORATED ALUMINUM ■ 20 ga 33% PERFORATED STEEL – WHITE

■ PERFORATED LINER ABOVE 36"

8 ERECTION

☐ ON SITE BY BLDG MANUFACTURER ■ AT BIDELL BY BLDG MANUFACTURER

9 WALL/ROOF LOUVRES (NOMINAL SIZES)

☐ STAMPED LOUVRE c/w SLIDE CLOSURE AND SCREEN
■ ADJUSTABLE LOUVRE c/w MANUAL CONTROL AND SCREEN
■ SIZE 18"X18" ■ QTY 2
■ SIZE 12"X12" ■ QTY 2
■ SIZE 24"X24" ■ QTY 1
ONE IN FRONT OF HYDRAULIC OIL COOLER (24"x24")

■ ONE @ 12"x12" HERMAN NELSON DUCTS TO BE LOCATED BY ENGINE ON THE NOZZLE SIDE

■ TWO @ 12"x18" LOUVERS TO BE LOCATED BY ENGINE, LOCATE UP HIGH ACROSS FROM EACH OTHER

10 RIDGE VENTILATOR

☐ RIDGE VENTILATOR c/w MANUAL CONTROLS, RAIN CAP & BIRDSCREEN (CHAIN OPERATED @ HAND LEVEL)
☐ ACCOUSTIC TYPE RIDGE VENTILATOR c/w MANUAL CONTROLS & BIRDSCREEN
☐ 6" THROAT ☐ 9" THROAT ■ OTHER _____
☐ LENGTH _____

■ 2 RIDGE VENTS REQ'D ALONG THE WIDTH OF THE BUILDING

11 PULL–OUTS

■ 1 @ 17'–10 1/2" x 8'–0" C/W TRANSLUCENT PANELS (c/w REMOVABLE SCREENS)
■ 1 @ 16'–3" x 8'–0" C/W TRANSLUCENT PANELS (c/w REMOVABLE SCREENS)

12 FANS – ROOF/WALL

☐ _____ ROOF
■ 2 WALL
1 HIGH
1 LOW

ELECTRIC DRIVEN FAN CAPABLE OF PROVIDING A MIN OF 12 AIR CHANGES/HOUR AT 1/8" SP c/w BACK DRAFT DAMPERS. ALUM HOUSING & BIRDSCREEN. MOTOR TO BE CSA APPROVED, XP (CLASS I, GROUP D, DIV 1)
☐ 120/240 V – 1 PHASE ■ DIAMETER 16" ■ 24V DC
☐ 240/480 V – 3 PHASE ■ HP 1/3
(1" MAX. SKID EDGE PROJECTION)

■ AIR INTAKE HOOD REQ'D
■ 24VDC FROM GENERATOR

13 POLYETHYLENE VAPOUR BARRIER

☐ 2 MIL ☐ 4 MIL ☐ 6 MIL

14 EAVESTROUGH, DOWNSPOUT & ICE RAKES

☐ EAVESTROUGHS ☐ DOWNSPOUTS ■ ICE RAKES OVER THE DOOR ON LOW SIDE OF ROOF

15 BUILDING SIZE

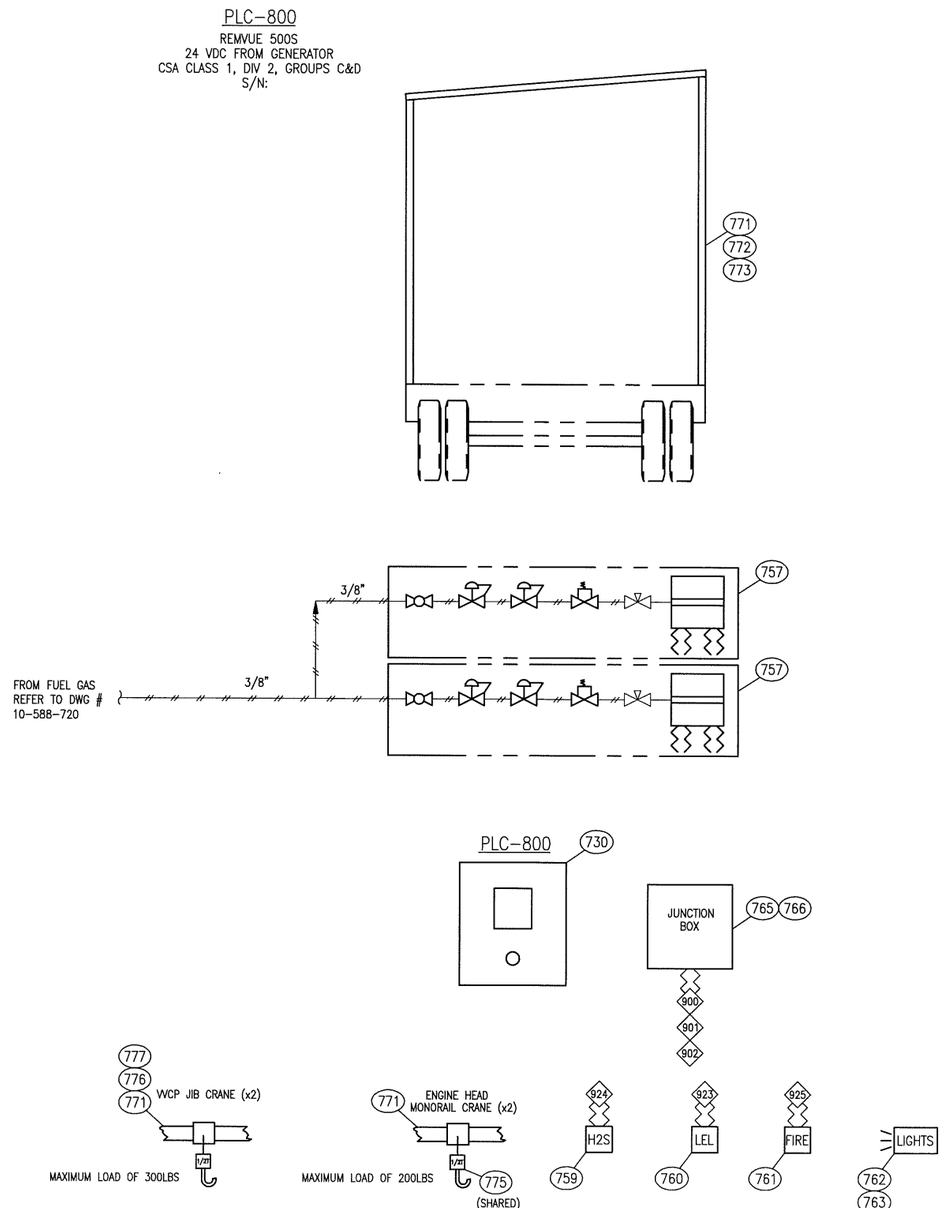
■ LENGTH 34'–5" ■ WIDTH 12'–0" ■ EAVE HGT 11'–2"

16 COOLER

■ ATTACHED TO BLDG ■ OPENING SIZE _____ BY VENDOR _____
☐ DETACHED FROM BLDG

ELECTRICAL TERMINATIONS

900 REMOTE START	923 GAS LEL DETECTION
901 REMOTE RUN STATUS	924 GAS H2S DETECTION
902 REMOTE ESD	925 UV FLAME DETECTION



AS BUILT
SIGNED: DATE: SEP 2 0 2010

NOTES:
1. TRAVEL TARPS TO THE TOP, FRONT AND 3' DOWN ON BOTH SIDES OF BOTH COOLERS c/w TIE DOWNS
2. P. ENG STAMP REQUIRED

BILL OF MATERIALS

MK	QTY	PART NUMBER	DESCRIPTION
730	1	CAT–228–6559	HARNESS, CAT PART #CAT2286559, FOR PL1000E
757	2	HEG–035	HEATER, CATALYTIC, 24"x48", "CATADYNE" MODEL P2448A–04A, 32,000
			BTU, 12VDC, c/w 25 FT STARTER CABLES, REGULATOR, THERMOSTAT,
			SAFETY VALVE, BLOCK VALVE AND PROTECTIVE GRILL
759	1	FGD–071	DETECTOR, H2S, "NET SAFETY" MILLENIUM, MODEL
			MLP–A–ST1200–100–SEP, 4–20mA, 12–24VDC, CSA CLASS 1, DIV 1,
			GROUPS C,D, LED DISPLAY, C/W SENSOR SEPARATION JUNCTION BOX
760	1	FGD–002	DETECTOR, GAS, "NET SAFETY" MILLENIUM, MODEL MLP–AR–SC1100–SEP,
			4–20mA & RELAY OUTPUTS, 12–24VDC, CSA CLASS 1, DIV 1, GROUPS
			C,D, LED DISPLAY, C/W SENSOR SEPARATION JUNCTION BOX
761	1	FGD–042	DETECTOR, FIRE EYE UV, "NET SAFETY" MILLENIUM, MODEL UVS–AR,
			4–20mA & RELAY OUTPUTS, 12–24VDC, CSA CLASS 1, DIV 1, GROUPS
			B,C,D, C/W JBR–T–ASSY RELAY JUNCTION BOX & SWIVEL MOUNT
762	3	ELE–LIGHT02	FIXTURE, LIGHT, INCANDESCENT, CLASS 1, DIV.2, c/w GUARDS, 100 WATT,
			24 VDC
763	3	ELE–LIGHTMOUNT	MOUNTING MODULE, FOR ELE–LIGHT01, MOUNTS ON 3/4" CONDUIT
			(MOUNTED IN PEAK OF BUILDING)
764	3	ELE–BULB03	BULB, INCANDESCENT, "WESTINGHOUSE MODEL 100A19IF/24, 100 WATT,
			24V DC (52025)
765	1	ELE–ENC8X6	BOX, JUNCTION, 8"x6"x4", CSA APPROVED, 24V
766	1	ELE–ENCBP01	BACKPAN, FOR P/N: ELE–ENC8X6
768	3	ELE–BULB01ADA	ADAPTOR, SOCKET, "CROUSE HINDS" MODEL 2005
769	3	ELE–34EAHC	HANGER TEE, BOX COVER, 3/4", "CROUSE–HINDS" MODEL EAHC2702,
			WESCO P/N 78227424920
771	16	BEA–VTRY–3.5	BEARING, V–GROOVE, YOKE TRACK ROLLER, 3.05" OD, "PCI" MODEL
			VTRY–3.50, 0.7505" BORE, 2380LB AXIAL, 590LB THRUST, SEALED.
772	1	BDG–STAIRS	STAIR ASSEMBLY FOR TRAILER UNITS.
773	1	TRL–PULL	OVERHEAD DOOR ASSEMBLY, FOR 1 PAIR OF PULLOUTS
775	1	CRA–500	10 FOOT LIFT HEIGHT 7 FOOT LONG HAND CHAIN TOP HOOK SUSPENSION
			LOAD TEST CERTIFICATE REQUIRED WITH SHIPMENT
776	4	BEA–UC208–108D1	BEARING, TYPE UC2, SERIES 2, "NTN" MODEL UC208–108D1, 1–1/2"
			DIA SHAFT BORE, 4000LB AXIAL, 0 LB THRUST, GREASE PORT.
777	4	BEA–F208D1	BEARING HOUSING, TYPE UCF2, SERIES 2, "NTN" MODEL F208D1, CAST
			IRON, GREASE PORT
780	1	ELE–DSDSE123	TIMER, 0–60 MIN, "CROUSE–HINDS" MODEL DSDSE1234460MINSA, 125V,
			10 AMP, XP
781	1	ELE–EDS271	DEVICE BOX, SINGLE, "CROUSE–HINDS" MODEL EDSC271–SA, ALUMINUM

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REV	DATE	BY	APPR	DESCRIPTION
A	10–09–17	NP	JD	AS BUILT
0	10–05–20	NP	DR	ISSUED FOR CONSTRUCTION

REVISIONS

BIDELL EQUIPMENT
GAS COMPRESSION
6900 – 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235–5877
FAX: (403) 272–7749

HEATER & BLDG ELECTRICAL FLOW DIAGRAM
CATERPILLAR G3516LE AFRC / ARIEL JGT/4–2
CUSTOMER: TALISMAN ENERGY INC.
LOCATION: TRAILER MOUNTED COMPRESSOR – MOBILE
LSD: PORTABLE JOB#: 10–588

DWN	DATE	SCALE	DWG#	REV
NP	10–05–20	NTS	10–588–770	A