




- 1 400A SERVICE RATED DISCONNECT SWITCH
- 2 INSTRUMENT TRANSFORMER ENCLOSURE TO UTILITY STANDARDS
- 3 AUTOMATIC SWITCH
- 4 600V, 400A, 3Ø, 4W PANEL 'D'
- 5 EXISTING GENERATOR TO BE REMOVED AND TURNED OVER TO OWNER. REPAIR ALL WALL AND ROOF PENETRATIONS AFTER GENERATOR HAS BEEN REMOVED. NEW BOILER TO BE INSTALLED BY MECHANICAL. DO NOT CLOSE OPENING UNTIL BOILER IS INSTALLED.
- 6 ALL CONDUITS LEAVING FIRE RATED ROOMS TO BE FIRE STOPPED IN ORDER TO MAINTAIN FIRE RATING OF THE ROOM.
- 7 WALL MOUNT VARIABLE FREQUENCY DRIVES.
- 8 METER ENCLOSURE TO UTILITY STANDARDS.
- 9 600V : 2Ø8V, 45 KVA, Δ - y_2 DRY TYPE TRANSFORMER.
- 10 MOVE ANY ELECTRICAL EQUIPMENT REQUIRED TO ACCOMMODATE NEW WALL OPENING ON MEZZANINE LEVEL.
- 11 12Ø/2Ø8V DISTRIBUTION PANEL 'C'.
- 12 COORDINATE HEIGHTS AS NECESSARY FOR LIGHT TO BE MOUNTED ABOVE MEZZANINE LEVEL.
- 13 LIGHT SWITCH TO BE EQUIPPED WITH AUXILIARY CONTACT TIED TO PLC #4.
- 14 DUPLEX "SMART" PARKING LOT RECEPTACLE WITH MICROPHONE BASED CONTROL AND INTEGRAL TEMPERATURE SENSORS TO BE INSTALLED 1200mm ABOVE FINISHED GRADE. RECEPTACLE TO BE PROGRAMMED TO PROVIDE POWER AT 100% DUTY BELOW -30°C, 50% DUTY BETWEEN -20 AND -30°C AND 0% DUTY ABOVE -20°C.



PERMIT OF PRACTICE
EXP SERVICES INC.
Signature *[Signature]*
Date 2013/JUN/27
PERMIT NUMBER: P483
NT/NU Association of Professional
Engineers and Geoscientists.

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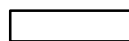



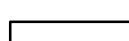
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
















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LIGHT FIXTURE SCHEDULE			
TYPE	DESCRIPTION	MODEL	LAMP
	1219mm-2 LAMP FLUORESCENT FIXTURE, SOLID TOP REFLECTOR, WHITE POWDER COAT FINISH C/W CHAIN AND HANGERS 120V T5 ELECTRONIC BALLAST	PHILLIPS DAY-BRITE OR APPROVED EQUAL	2-54W T5-HO
	WALL MOUNTED, 100W METAL HALIDE, 120V C/W BUILT IN PHOTO CELL, VANDAL SHIELD.	PHILLIPS DAY-BRITE WLM SERIES OR APPROVED EQUAL	1-100W METAL HALIDE
	EMERGENCY LIGHT, WHITE, 2 HEAD 12VDC, 18W C/W NICKEL CADMIUM BATTERY 120VAC POWER SUPPLY	PHILLIPS CHLORIDE OR APPROVED EQUAL	2-18W, 12VDC TUNGSTEN
	WALL MOUNTED EXIT LIGHT, 120V 600N "RUNNING MAN" PICTOGRAM TO COME WITH BUILT IN BATTERY BACKUP, MOUNTED AS INDICATED ON DRAWINGS.	LUMACELL LA SERIES	
 W	1219mm-2 LAMP FLUORESCENT FIXTURE WITH WALL MOUNTING CAPABILITIES AND ELECTRONIC BALLASTS.	PHILLIPS DAY-BRITE OR APPROVED EQUAL	2-32W T8

LEGEND					
	DIRECT CONNECTION.		UTILITY APPROVED CURRENT TRANSFORMER		LOCAL DISCONNECT SWITCH. SIZE AND ENCLOSURE RATING AS INDICED.
	FIELD MOUNTED MOTOR STARTER; VOLTAGE AND CURRENT RATINGS TO MATCH MOTOR		UTILITY APPROVED POTENTIAL TRANSFORMER		DRY TYPE DISTRIBUTION TRANSFORMER.
	SINGLE POLE/4 WAY SWITCH		CIRCUIT BREAKER; SIZE AS INDICED.		SINGLE PHASE FRACTIONAL HORSEPOWER MOTOR & PHASE MOTOR SIZE AS INDICED.
	MANUAL MOTOR SWITCH		LINE REACTOR TO ACCOMMODATE VFD INSTALLATION. SIZE, RATING, AND MANUFACTURER TO MATCH VFD.		DUPLEX RECEPTACLE
	HOME RUN TO PANEL		LOAD REACTOR TO ACCOMMODATE VFD INSTALLATION. SIZE, RATING, AND MANUFACTURER TO MATCH VFD.		DUPLEX RECEPTACLE CW / WEATHER PROOF COVER PLATE.
	DISCONNECT SWITCH; SIZE AS INDICATED				ALL EQUIPMENT WIRING, CONDUIT, ETC. TO BE REMOVED BACK TO SOURCE
	WALL MOUNT THERMOSTAT				

ELECTRICAL BUILDING SERVICES