



EXTERIOR PANEL ELEVATION

SCALE: 1 :

INTERIOR PANEL ELEVATION

SCALE: 1 :

TYPICAL NFMA 4X JUNCTION BOX

BILL OF MATERIAL				
ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
1	AS REQ'D	NEMA 4X ENCL. CONTINUOUS-HINGE WITH CLAMPS, 152X152X102MM	HOFFMAN	A606CHNFSS
2	AS REQ'D	PANEL FOR ITEM 1	HOFFMAN	A6P6
3	AS REQ'D	LAMACOIDS PER JUNCTION BOX SCHEDULES	-	
4	AS REQ'D	35mm DIN RAIL	PHOENIX CONTACT	0801733
5	AS REQ'D	TERMINAL END CLAMP - CLIPFIX 35	PHOENIX CONTACT	3022218
6	AS REQ'D	FEED-THROUGH TERMINAL - UT 4-MTD	PHOENIX CONTACT	3046184
7	AS REQ'D	TERMINAL END PLATE - D-UT 2,5/4 TWIN	PHOENIX CONTACT	3047141
8	AS REQ'D	GROUND BAR, 6 TAPS	ILSCO	0167-6

JUNCTION BOX SCHEDULE		
IDENTIFIER	NUMBER OF TERMINALS	DESCRIPTION
JB-C6301	7	SUPPLY FAN EF-C630 DAMPER XV-C6301
JBA-C6701	7	SCRUBBER SCRB-C670 DAMPER XV-C6701
JBA-C6401	7	EXHAUST FAN EF-C640 DAMPER XV-C6401
JBA-C6411	7	EXHAUST FAN EF-C641 DAMPER XV-C6411
JBA-C6421	7	EXHAUST FAN EF-C642 DAMPER XV-C6421
JBA-C6441	7	EXHAUST FAN EF-C644 DAMPER XV-C6441

GENERAL NOTES:

1. ALL POWER AND 120 VAC WIRING ARE TEW/MTW 300V, 105°C INSULATION, STRANDED COPPER, 12 AWG OR LARGER WHERE CURRENT REQUIREMENTS DICTATE AS PER CEC REQUIREMENTS.
2. ALL 24 VDC CONTROL WIRING IS TEW/MTW 300V, 105°C INSULATION, STRANDED COPPER, 16 AWG.
3. COMPONENTS ARE LABELED AS SHOWN ON THE DRAWINGS.
4. TESTED ALL WIRING AND COMPONENTS FOR FUNCTIONAL OPERATION, CORRECT CONNECTION, CONTINUITY AND INSULATION INTEGRITY. DOCUMENTED ALL TEST RESULTS.
5. ALL MAJOR COMPONENTS INSIDE THE PANEL ARE LABELED WITH LAMACOIDS IN ACCORDANCE WITH MAJOR DESCRIPTIONS ON THE DRAWINGS.
6. PROVIDED WIRE BARREL FERRULES FOR ALL WIRING.
7. ALL TERMINAL BLOCKS ARE NUMBERED AS SHOWN IN THE DRAWINGS, COMPLETE WITH GROUP LABELING.
8. ALL WIRES ARE MARKED AS INDICATED ON THE DRAWINGS.

CONSTRUCTION NOTES:

1 PROVIDED JUNCTION BOX FOR ASSOCIATED DAMPER ACTUATOR. JUNCTION BOX WAS INSTALLED WITHIN ONE (1) METER OF DAMPER ACTUATOR.

DRAWING NUMBER	REFERENCE DRAWINGS
1-0650M-E0056	CONNECTION DIAGRAM, CHLORINE GAS SCRUBBER SCBR-C670
1-0650M-E0055	MOTOR STARTER SCHEMATIC, EXHAUST FAN EF-C644
1-0650M-E0054	FIELD WIRING DIAGRAM, EXHAUST FAN EF-C642
1-0650M-E0053	FIELD WIRING DIAGRAM, SUPPLY FAN SF-C630
1-0650M-E0051	FIELD WIRING DIAGRAM, EXHAUST FAN EF-C641
1-0650M-E0050	FIELD WIRING DIAGRAM, EXHAUST FAN EF-C640

Metric

WHOLE NUMBERS INDICATE MILLIMETERS
DECIMALIZED NUMBERS INDICATE METERS

0.0 0.01 0.02 0.04

1:1



00	ISSUED FOR TENDER AND CONSTRUCTION
NO.	REVISIONS



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ENGINEER'S SEAL



THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT

HURST PUMPING STATION

PANEL LAYOUT

DAMPER ACTUATORS

HURST PUMPS INC. STATION

PANEL LAYOUT

DAMPER ACTUATORS

JUNCTION BOXES