



CP-C601 BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
1	1	NEMA 4X RATED ENCLOSURE, STAINLESS STEEL WALLMOUNT HINGED – 610x610x152	HOFFMAN	A24H2406SSLP
2	1	BACK PANEL FOR ITEM 1 – SUPPLIED BY VENDOR	HOFFMAN	A24P24G
3	AS REQ'D	FEED-THROUGH TERMINAL – UK 16	PHOENIX CONTACT	3046184
4	4	TERMINAL END PLATE – D-UT 2,5/4 TWIN	PHOENIX CONTACT	3047141
5	10	TERMINAL END CLAMP – CLIPFIX 35	PHOENIX CONTACT	3022218
6	4	TERMINAL BLOCK MARKER – KLM-A	PHOENIX CONTACT	1004348
7	1	MULTI-FUNCTION HIGH PERFORMANCE TIMING RELAY	ALLEN BRADLEY	700-FSH3VU23
8	AS REQ'D	NARROW SLOT WIRING DUCT AND COVER, 2.25"x3.12"	PANDUIT	F2X3LG6
9	8	IDENTIFIER LAMACOIDS	–	–
10	AS REQ'D	35mm DIN RAIL	PHOENIX CONTACT	0801733
11	1	GROUND BAR, 12 TAPS	ILSCO	D167-12
12	2	SPDT CONTROL RELAY, 24VDC INPUT	PHOENIX CONTACT	2966171
13	2	SELECTOR SWITCH, 3-POSITION, MAINTAINED, 1 N/O, 1 N/C	SCHNEIDER ELECTRIC	9001SKS43BH13
14	2	30mm PUSH BUTTON, TYPE SK, PILOT LIGHT, 120VAC, RED PLASTIC, NEMA 4X	SCHNEIDER ELECTRIC	9001SKP38R31
15	4	2PDT CONTROL RELAY, 120VAC INPUT	PHOENIX CONTACT	2967086
16	2	RELAY, 120 VAC, 4PDT, LED, 6A	PHOENIX CONTACT	2903687
17	2	RELAY, BASE, 4PDT	PHOENIX CONTACT	2900934

GENERAL NOTES:

1. ALL POWER AND 120VAC WIRING IS TO BE 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 TO BE TEW/MTW 300V, 105°C INSULATION, STRANDED COPPER, 16 AWG.
3. COMPONENTS ARE TO BE LABELLED AS SHOWN ON THE DRAWINGS.
4. TEST ALL WIRING AND COMPONENTS FOR FUNCTIONAL OPERATION, CORRECT CONNECTION, CONTINUITY AND INSULATION INTEGRITY. DOCUMENT ALL TEST RESULTS.
5. ALL MAJOR COMPONENTS INSIDE THE PANEL ARE TO BE LABELLED WITH LAMACOIDS IN ACCORDANCE WITH MAJOR DESCRIPTIONS ON THE DRAWINGS.
6. ALL TERMINAL BLOCKS ARE TO BE NUMBERED AS SHOWN IN THE DRAWINGS, COMPLETE WITH GROUP LABELLING.
7. ALL WIRES SHALL BE MARKED AS INDICATED ON THE DRAWINGS.
8. PANEL TO BE NEMA 4X COMPLAINT, INCLUDING ALL COMPONENTS ON THE FRONT OF THE PANEL.

C. PANEL TO BE NEMA 4X COMPLIANT, INCLUDING ALL COMPONENTS ON THE FRONT OF THE	
1-0640C-E0019	CONNECTION DIAGRAM, MAKE-UP AIR UNIT AHU-C602
1-0640C-E0018	CONNEECTION DIAGRAM, MAKE-UP AIR UNIT AHU-C601
DRAWING NUMBER	REFERENCE DRAWINGS



					 AtkinsRéalis 148 Nature Park Way, Winnipeg, Manitoba Canada R3P 0X7 204-786-8080	ENGINEER'S SEAL	 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT		
					DESIGNED BY: B. WILKS	CHECKED BY: V. ELIMBAN			
					DRAWN BY: B. WILKS	APPROVED BY: V. ELIMBAN			
					SCALE: AS SHOWN	ISSUED FOR CONSTRUCTION BY: M. SKINNER			
					DATE: 2023/06/23	DATE: 2025/04/30			
00	ISSUED FOR TENDER AND CONSTRUCTION	2025/04/30	VE	VE	CONSULTANT NO.:		MCPHILLIPS PUMPING STATION CHLORINE SYSTEM UPGRADES PANEL LAYOUT VENTILATION CONTROL PANEL CP-C601		
NO.	REVISIONS	DATE	DESIGN	CHECK					
					CITY DRAWING NUMBER		SHEET	REV.	SIZE
					1-0640C-A0022		001	00	A1