


BILL OF MATERIALS

ID	QUAN.	ITEM DESCRIPTION	MANUFACTURER'S PART NUMBER	ID	QUAN.	ITEM DESCRIPTION	MANUFACTURER'S PART NUMBER
1	1	72 X 48 X 18 , NEMA 12, GRAY,3 PT. LATCH ENCLOSURE	HOFFMAN A724818FSDG	9	2	DIN MOUNT SUPPLEMENTARY CIRCUIT BREAKER .5 AMP TRIP	SIEMENS 5S.J4105-7HG40
②	1	60 X 33 WHITE STEEL PANEL	HOFFMAN A72P48F1	①1	1	DIN MOUNT SUPPLEMENTARY CIRCUIT BREAKER 2 AMP TRIP	SIEMENS 5S.J4102-7HG40
②	2	15 INCH 24 VOLT DC LED TYPE PANEL FIXTURE	HOFFMAN LED24V15	3	3	DIN MOUNT SUPPLEMENTARY CIRCUIT BREAKER 3 AMP TRIP	SIEMENS 5S.J4103-7HG40
②	2	LED FIXTURE MOUNTING BRACKET KIT	HOFFMAN PDLFBKKT	1	1	DIN MOUNT SUPPLEMENTARY CIRCUIT BREAKER 4 AMP TRIP	SIEMENS 5S.J4104-7HG40
	1	12 INCH ENCLOSURE FLOOR STAND, PAINTED TO MATCH ENCLOSURE	HOFFMAN AFK1218	2	2	DIN MOUNT SUPPLEMENTARY CIRCUIT BREAKER 10 AMP TRIP	SIEMENS 5S.J4110-7HG40
2	-	-	-	1	1	DIN MOUNT SUPPLEMENTARY CIRCUIT BREAKER 15 AMP TRIP	SIEMENS 5S.J4118-7HG40
3	2	CUSTOM BLACK NAMEPLATE PLASTIC ENGRAVED WHITE LETTERING	SETON M5300	2	2	DIN MOUNT SUPPLEMENTARY CIRCUIT BREAKER 5 AMP TRIP	SIEMENS 5S.J4111-7HG40
4	-	-	-	①1	1	DIN MOUNTED 10 AMP DIN MOUNTED 24VOLT DC POWER SUPPLY	SIEMENS 6EP1 334-3BA10
①	1	FLANGE MOUNT, DC BLOCK, VHF COAXIAL LIGHTNING PROTECTOR		11	1	DC-UPS CONTROLLER, 24VDC/15A	SIEMENS 6EP1 931-2EC21
		FROM 50 MHZ TO 700 MHZ WITH N FEMALE SURGE SIDE AND		③3	3	DC-UPS BATTERY MODULE, HIGH-TEMPERATURE, 12 AH	SIEMENS 6EP1 935-6MF01
		N MALE PROTECTED SIDE CONNECTOR WITH # 6 AWG LUG	POLYPHASER IS-50NX-C0-ME / ILSCO Y0211CA2T	12	1	3 CHANNEL 4-20mA SIGNAL SELECTOR , 24VDC POWERED	AGM ELECTRONICS PTA 4010-1 24VDC
②	1	12 CIRCUIT COPPER GROUNDING BUS	ILSCO D167-12	①1	1	NEMA 4X STAINLESS STEEL ENCLOSURE FOR ABOVE, LOCKABLE	HOFFMAN CSD12126EMCSS / CP 1212G / GPDLOCKSL0T
②	1	WHITE WIDE SLOT WIRING DUCT 1.26 WIDE,3.12 HIGH WITH COVER	PANDUIT G 2X3 WH / CZWH6	14	3	PERFORATED GALVANIZED EN 50022-35 DIN RAIL	SIEMENS 5ST1 45
①	8	RADIO TRANSMITTER UNIT:		15	17	GROUND MODULE TERMINAL BLOCK	PHOENIX CONTACT USLKG6N
		VHF RADIO CDM750	MOTOROLA FUD 5506	16	43	DIN MOUNTED 4 CIRCUIT PLUGGABLE SURGE ARRESTOR 24 VOLT DC	DEHN BSP M4 BE 24 / BXT BAS, PN : 926-324 AND 920-300
	1	Radio 1 = VHF 173.39625 MHz or Radio 2 = VHF 173.23750 MHz		17	1	DIN MOUNTED 2 POLE MODULAR SURGE PROTECTION DEVICE	DEHN DR M 2P150 / 953-209
	1	INSTALLATION KIT: POWER , DATA AND ANTENNA CABLES WITH	MOTOROLA FLN 3638A	18	-	-	-
		MOUNTING BRACKET AND FERRITE KIT		19	-	-	②
	1	5 I/O SLOT FRAME	MOTOROLA V105	20	-	-	-
	1	LARGE SIZE CHASSIS- 7 SLOTS	MOTOROLA V056	21	-	-	-
	1	AC POWER SUPPLY 100-240 VOLT INPUT WITH CHARGER	MOTOROLA V261	22	2	ULTRA SONIC LEVEL TRANSMITTER, 4-20mA OUTPUT, 24VDC INPUT	SIEMENS 7ML5050-0AB21-1DA0
	1	6.5 Ah BACKUP BATTERY	MOTOROLA V114		2	TRANSDUCER FOR LEVEL TRANSMITTER	SIEMENS 7MLXXXX-XXXXX AS PER APPLICATION
	1	3640 CPU	MOTOROLA V446	23	1	DUAL PANEL MOUNTED HEX HEAD BINDING POST, 1-RED, 1-BLACK	SUPERIOR ELECTRIC BP30-2BR-1 PKG
	3	MIXED DIGITAL INPUT/ OUTPUT AND ANALOG INPUT MODULE	MOTOROLA V245 WITH 4 TERMINALS FOR HARD WIRING	24	③7	DIN MOUNTED 15 AMP 3 P.D.T PLUGIN 24VOLT DC RELAY	SIEMENS 3TX7215-5NC03 / 3TX7144-4E4
	2	(4) ANALOG OUTPUT, 4-20mA MODULE INSERT	MOTOROLA V118 WITH 2 TERMINALS FOR HARD WIRING	25	1	DIN MOUNTED 2 CIRCUIT PLUGGABLE SURGE ARRESTOR (SENSOR)	DEHN BSP M2 BD 24 / BXT BAS, PN : 926-244 AND 920-300
				26	2	DPDT TIME DELAY "ON" 24 VOLT DC, 8 PIN,OCT., PLUG IN RELAY	②
				27	1	SELECTOR SWITCH, 2-POSITION	SIEMENS 52SW2AAB
				①	2	CONTACT BLOCK N.O. AND N.C. FOR ABOVE OPERATOR	SIEMENS 52BJK
				1	1	LEGEND PLATE, WHITE W/BLACK LETTERS	SIEMENS 52NL02W (CUSTOM ENGRAVED)
				28	22	FEED THROUGH TERMINAL, 26-12 AWG, DIN MOUNTED	WEIDMULLER WDU 2.5
				①	11	END PLATE PARTION	WEIDMULLER WAP 16+35
					11	CROSS CONNECTOR, 2 POLE	WEIDMULLER 2.5 / 2
NOTES:							
1. NO SUBSTITUTE EQUAL ITEM ACCEPTED, PROVIDE AS SPECIFIED.							
2. ALTERNATE APPROVED SPECIFIED ITEM EQUAL ACCEPTED							

SCALE: N.T.S.		1	ADDED ITEM 19 AND 28		01-21-2015	JG
DESIGN: IAG / LS		2	REVISED ITEMS 9,10 AND 27		01-27-2015	JG
DRAWN BY: JG		3	REVISED ITEMS AS PER MEETING		03-09-2015	JG
APPROVED BY: GM		4	REVISED ITEM 11 QUANTITY		06-15-2015	JG
			REVISED ORDERING DATA		07-06-2015	JG
			REVISION		DATE	BY
<div><div><div>WASTEWATER DIVISION, INDUSTRIAL AUTOMATION GROUP</div><div>CITY OF ORLANDO, FLORIDA</div></div><div>TITLE:  LIFT STATIONS STANDARDS RTU FOR &gt; 50 HP VFD WITH SSRVS PUMP CONTROL PANEL (PCP) BILL OF MATERIALS</div></div>						SHEET  605