


BILL OF MATERIALS

ID		QUAN.	ITEM DESCRIPTION	MANUFACTURER'S PART NUMBER	ID	QUAN.	ITEM DESCRIPTION	MANUFACTURER'S PART NUMBER			
②	1	1	48 HIGH X 36 WIDE X 16 DEEP 4X 316L SS 3 POINT LATCH ENCLOSURE	HOFFMAN A483616SS6LP3PT W/ WHITE SUN SHIELDS	16	1	CIRCUIT BREAKER WALKING BEAM INTERLOCK KIT FOR MCB AND ECB	SIEMENS M5444			
		2	45 HIGH X 33 WIDE 316L STAINLESS STEEL PANEL	HOFFMAN A48P36SS6		6	DISTRIBUTION LUGS FOR ECB AND MCB CIRCUIT BREAKERS	SIEMENS TA6FD04			
		1	15 INCH 24 VOLT DC LED TYPE PANEL FIXTURE	HOFFMAN LED24V15	17	1	FINGER SAFE 600 VOLT FUSE BLOCK 3 POLE	BUSSMANN OPM 1038R			
		1	MEDIUM SIZE PAD LOCKABLE DOOR HANDLE	HOFFMAN AL55CW		3	FAST ACTING 1 AMP FUSE 600 VOLT	BUSSMAN KTK-R 1			
		1	SWING-OUT PANEL KIT	HOFFMAN ANADFK	18	1	DIN MOUNTED 3 POLE MODULAR SURGE PROTECTION DEVICE	DEHN DG M WE 600 FM / 952-307			
		1	LED FIXTURE MOUNTING BRACKET KIT	HOFFMAN PDLEFBKT	19	1	LOSS / REVERSAL PHASE & UNDERVOLTAGE PROTECTION MODULE	MPE INC 001-480-12-12-G60			
		2	DOOR SWITCH ASSEMBLY KIT FOR INTRUSION ALARM	HOFFMAN ALFSWD	20	1	OUTDOOR ENCAPSULATED TRANSFORMER SIZED AS PER APPLICATION	SIEMENS 1D1N00_OST			
		3	PANEL MOUNT ELECTROMECHANICAL HORN 24 VOLT DC	ROCKWELL AUTOMATION 855H+G24GPA	21	3	DIN MOUNTED 2 POLE MODULAR SURGE PROTECTION DEVICE	DEHN DR M 2P150FM / 953-209			
		4	1 HEAVY DUTY PIPE MOUNT RED LENS FLASHING BEACON 24 VOLT DC	ROCKWELL AUTOMATION 855BS-N24BL4	22	2	DIN MOUNTED BEIGE 2 TIER TERMINAL BLOCKS	ROCKWELL AUTOMATION 1492-JD4-BR			
		5	1 CUSTOM BLACK NAMEPLATE PLASTIC ENGRAVED WHITE LETTERING	SETON M5300		2	DIN MOUNTED BEIGE 2 TIER TERMINAL BLOCK END PLATE	ROCKWELL AUTOMATION 1492-EBJD4			
①	6	1 PANEL MOUNT 4 POLE 4 WIRE PIN AND SLEEVE RECEPTACLE	RUSSELLSTOLL JRS1044F (FOR 208 - 230VAC APPL.)		-	DIN MOUNTED 2 TIER TERMINAL BLOCK LINK RAIL UPPER	ROCKWELL AUTOMATION 1492-CJL-10				
			CROUSE HINDS AR2041AJA1 (FOR 480 VAC APPL.)		-	DIN MOUNTED 2 TIER TERMINAL BLOCK LINK RAIL LOWER	ROCKWELL AUTOMATION 1492-CJL-10				
②	7	1 15 AMP GFCI RECEPTACLE BROWN	HUBBELL / BRYANT GF15		-	DIN MOUNTED SINGLE CIRCUIT BROWN TERMINAL BLOCKS	ROCKWELL AUTOMATION 1492-W4-BR				
	8	1 30MM HEAVY DUTY OILTIGHT PUSH BUTTON	ROCKWELL AUTOMATION 800T-A2D1	23	1	DIN MOUNTED 10 AMP DIN MOUNTED 24VOLT DC POWER SUPPLY	SIEMENS 6EP1 334-3BA00				
		1 CUSTOM NAMEPLATE "BELL SILENCE"	ROCKWELL AUTOMATION 800H+W100E	24	7	DIN MOUNTED 15 AMP 3 P.D.T PLUGIN 24VOLT DC RELAY	ROCKWELL AUTOMATION 700H-F33Z24-1-4 / 700HN138				
	9	2 30MM HEAVY DUTY OILTIGHT 3 POSITION SELECTOR SWITCH	ROCKWELL AUTOMATION 800T-J2A	25	-	DIN MOUNTED 15 AMP 4 P.D.T PLUGIN 24VOLT DC RELAY	ROCKWELL AUTOMATION 700H-F34Z24-1-4 / 700HN139				
		4 CONTACT BLOCK NORMALLY OPEN FOR ABOVE OPERATOR	ROCKWELL AUTOMATION 800T-XD1	26	1	DPDT TIME DELAY "ON" 24 VOLT DC, 8 PIN,OCT., PLUG IN RELAY	ROCKWELL AUTOMATION 700-HT12BU24 / 700-HN125				
		2 "HAND OFF AUTO" NAMEPLATE	ROCKWELL AUTOMATION 800T-X501	27	-	DIN MOUNTED BLUE 2 TIER TERMINAL BLOCKS	ROCKWELL AUTOMATION 1492-JD4-BL				
	10	2 30MM HEAVY DUTY OILTIGHT ILLUMINATED GREEN PUSHBUTTON	ROCKWELL AUTOMATION 800T-QBH2G		-	DIN MOUNTED BLUE 2 TIER TERMINAL BLOCK END PLATE	ROCKWELL AUTOMATION 1492-EBJD4B				
		2 CONTACT BLOCK NORMALLY OPEN FOR ABOVE OPERATOR	ROCKWELL AUTOMATION 800T-XD1		-	DIN MOUNTED 2 TIER TERMINAL BLOCK LINK RAIL UPPER	ROCKWELL AUTOMATION 1492-CJL-10				
		2 CONTACT BLOCK NORMALLY CLOSED FOR ABOVE OPERATOR	ROCKWELL AUTOMATION 800T-XD2		-	DIN MOUNTED 2 TIER TERMINAL BLOCK LINK RAIL LOWER	ROCKWELL AUTOMATION 1492-CJL-10				
		2 "RUN" NAMEPLATE	ROCKWELL AUTOMATION 800T-X540	28	10	DIN MOUNTED 4 CIRCUIT PLUGGABLE SURGE ARRESTOR 24 VOLT DC	DEHN BSP M4 BE 24 / BXT BAS, PN : 926-324 AND 920-300				
11	2 30MM HEAVY DUTY OILTIGHT ILLUMINATED RED PUSHBUTTON	ROCKWELL AUTOMATION 800T-QBHR2	29	2	WHITE WIDE SLOT WIRING DUCT 1.26 WIDE,3.12 HIGH WITH COVER	PANDUIT G 1X3 WH / C1WH6					
	6 CONTACT BLOCK NORMALLY OPEN FOR ABOVE OPERATOR	ROCKWELL AUTOMATION 800T-XD1	30	1	12 CIRCUIT COPPER GROUNDING BUS	ILSCO D167-12					
	2 CONTACT BLOCK NORMALLY CLOSED FOR ABOVE OPERATOR	ROCKWELL AUTOMATION 800T-XD2	31	2	2 CIRCUIT COPPER / ALUMINIUM LUG	ILSCO AU-0					
	2 "FAILURE" "PUSH TO RESET" NAMEPLATE	ROCKWELL AUTOMATION 800T-W100E	32	1	3 CIRCUIT COPPER / ALUMINIUM LUG	ILSCO CP-8					
12	2 PANEL MOUNT ROUND STYLE ANALOG AMP METER	SIMPSON ELECTRIC 55 0160	33	1	1 CIRCUIT COPPER LUG	ILSCO T3A2-2					
	2 CURRENT TRANSFORMER WITH TERMINALS-RATIO 100:5	SIMPSON ELECTRIC 37020	34	2	SIZE 3 FVNR MOTOR STARTER WITH ELECTRONIC OVERLOAD MODULE	ALLEN BRADLEY 509-DOVL-193EEGD					
	1 6 POLE CURRENT TRANSFORMER SHORTING BLOCK	SOUTHERN TRANSFORMER SB-6TC		2	SIZE 2.5 FVNR MOTOR STARTER N.O. AUXILIARY CONTACT BLOCK	ALLEN BRADLEY XXXXXXXX					
13	2 PANEL MOUNT ELECTRONIC DC HOUR 6 DIGIT METER	ENM SERIES T 40B45		2	REMOTE RESET SOLENOID FOR ABOVE - 24 VOLT DC	ALLEN BRADLEY 193-EMRZ24					
14	1 DIN MOUNT SUPPLEMENTARY CIRCUIT BREAKER .5 AMP TRIP	ROCKWELL AUTOMATION 1492-SP1C005	35	1	FINGER SAFE 600 VOLT FUSE BLOCK 3 POLE	BUSSMANN OPM 1038R					
	1 DIN MOUNT SUPPLEMENTARY CIRCUIT BREAKER 6 AMP TRIP	ROCKWELL AUTOMATION 1492-SP1C060		3	2-7.5 AMP AND 1-.15 AMP TIME DELAY FUSES 600 VOLT	BUSSMAN FNQ-R-2 AND FNQ-R-5					
	2 DIN MOUNT SUPPLEMENTARY CIRCUIT BREAKER 8 AMP TRIP	ROCKWELL AUTOMATION 1492-SP1C080	36	-	LIQUID LEVEL OPTICAL OPEN ASSEMBLY KIT	OPTI-FLOAT OPTI-QA 4					
	- DIN MOUNT SUPPLEMENTARY CIRCUIT BREAKER 2 AMP TRIP	ROCKWELL AUTOMATION 1492-SP1C020		-	LEVEL DETECTOR, WITH WEIGHT, CABLE LENGTH TBD PER APPLICATION	OPTI-FLOAT OPTI-F1-XX-WT1 (XX= CABLE LENGTH)					
	1 DIN MOUNT SUPPLEMENTARY CIRCUIT BREAKER 10 AMP TRIP	ROCKWELL AUTOMATION 1492-SP1C100	37	1EA	4/0 AND 6 AWG 1-HOLE, SHORT BARREL, SINGLE INDENT LUG	ILSCO Y1011C42T					
	1 DIN MOUNT SUPPLEMENTARY CIRCUIT BREAKER 5 AMP TRIP	ROCKWELL AUTOMATION 1492-SP1C050	38	2	NEMA 4X ENCLOSURE BREATHER / DRAIN	HOFFMAN AVDR4ABS					
	1 CIRCUIT BREAKER LINE SIDE FEED BUS BAR	ROCKWELL AUTOMATION 1492-A1B8	39	1	NEMA 4X ENCLOSURE PRESSURE COMPENSATION DEVICE	HOFFMAN APCDABS					
	1 CIRCUIT BREAKER LINE SIDE INFEED BUS BAR	ROCKWELL AUTOMATION 1492-AA11	40	1	CORROSION- INHIBITING VAPOR CAPSULE	HOFFMAN AHC10E					
15	2 3 POLE MOLDED CASE CIRCUIT BREAKER 600 VOLT RATED	ROCKWELL AUTOMATION 140UH2C3CXX SIZE TO APPL.	41	3	PUMP PROTECTION DISPLAY AND RELAY UNIT	TO BE SPECIFIED BY PUMP MANUFACTURER					
16	2 3 POLE MOLDED CASE CIRCUIT BREAKER 600 VOLT RATED	SIEMENS FXD63BXXX, SIZE TO APPLICATION	42	-	-	-					
NOTES:											
1. NO SUBSTITUTE ITEM ACCEPTED. PROVIDE AS SPECIFIED.								43	11	DIN MOUNTED THROUGH TYPE GROUND MODULAR TERMINAL BLOCK	PHOENIX CONTACT USLKG6N
2. ALTERNATE APPROVED SPECIFIED ITEM EQUAL ACCEPTED								44	3	PERFORATED STAND MOUNTING DIN RAIL	SIEMENS SST1 145
3. DUPLEX PANELS MAY OMIT ONLY THOSE COMPONENTS FOR PUMP 3											
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SCALE: N.T.S.				1	REVISED SPECIFIED PRODUCT		11-15-2013	JG	 <div>WASTEWATER DIVISION, INDUSTRIAL AUTOMATION GROUP</div> <div>CITY OF ORLANDO, FLORIDA</div>		TITLE:  LIFT STATIONS STANDARDS < 25 HP NEMA STARTER DUPLEX PCP BILL OF MATERIALS SPECIFIED COMPONENTS # 2		SHEET 205
DESIGN: IAG / LS		2	REVISED QUANTITY OF ITEM # 24		05-08-2014	JG							
3		REVISED ORDERING DATA ITEM # 21		06-23-2014	JG								
4		REVISED ORDERING DATA ITEM # 26		03-04-2015	JG								
DRAWN BY: JG		5	REVISED SPECIFIED PRODUCT		04-10-2015	JG							
APPROVED BY: WW		NO	REVISION		DATE	BY							