

① ② EQUIPMENT CONNECTION SCHEDULE

PROCESS EQUIPMENT CONNECTIONS													
UNIT DESIG.	UNIT VOLTAGE	LOAD			PANEL DEVICE			DEVICE AT UNIT			FEEDER DESCRIPTION OR SEE THE FEEDER SCHEDULE	REMARKS OR SEE THE INDICATED NOTES BELOW	
		H.P.	FLA	KVA	CIRCUIT NUMBER	BKR SW FUSE	NEW BKR SW FUSE	NEW BKR SW FUSE	NEW BKR SW FUSE	OTHER			
PS4-P	PUMP												
①	480/3	306.0	254.3	MCCPS4-5	600	3	6"				2 3 #150 kcmil THHN; #1 AWG GRD; 3" C.	SSRY W/ FV BY-PASS	
②	480/3	306.0	254.3	MCCPS4-12	600	3	6"				2 3 #150 kcmil THHN; #1 AWG GRD; 3" C.	SSRY W/ FV BY-PASS	
MV	MOTORIZED VALVE												
1	480/3	1	2.1	1.745	MCCPS4-9	30	3.2	3"			1 3 #12 AWG THHN; #12 AWG GRD; 1/2" C.		
2	480/3	1	2.1	1.745	MCCPS4-10	30	3.2	3"			1 3 #12 AWG THHN; #12 AWG GRD; 1/2" C.		
EF	EXHAUST FAN												
① PS4-EF1	208/1	1	8.6	1.830	PS4-L1-1	20			2		1 2 #12 AWG THHN; #12 AWG GRD; 1/2" C.	INTERLOCK W/ LOUVERS	
PS4-SP	SUMP PUMP												
1	480/3	15	21.0	17.45	MCCPS4-8	30	3.0	3"	2		4X-SS J-BOX	1 3 #10 AWG THHN; #10 AWG GRD; 3/4" C.	
PS4-C	CRANE												
1	480/3	7.5	11.0	9.141	MCCPS4-1	30	17.5	3"			4X-SS	1 3 #12 AWG THHN; #12 AWG GRD; 1/2" C.	REPLACE EXIST. DISC. SW.
PS4-MR	MONORAIL												
1	480/3	7.5	11.0	9.141	MCCPS4-2	30	17.5	3"			4X-SS	1 3 #12 AWG THHN; #12 AWG GRD; 1/2" C.	REPLACE EXIST. DISC. SW.
IRH	IR HEATER												
4.1	480/1	9.4	4.512	MCCPS4-3	30	12	2"				1 2 #12 AWG THHN; #12 AWG GRD; 1/2" C.		
4.2	480/1	9.4	4.512	MCCPS4-4	30	12	2"				1 2 #12 AWG THHN; #12 AWG GRD; 1/2" C.		

- ALL CONNECTIONS AND ELECTRICAL EQUIPMENT LISTED IN SCHEDULE SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. FIELD VERIFY CONNECTION REQUIREMENTS AND EQUIPMENT PROVIDED BY OTHERS PRIOR TO ROUGH-IN.
- REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS ASSOCIATED WITH WIRING AND CONNECTIONS OF INTERLOCKING, THERMOSTAT LOCATIONS, EXHAUST FAN CONTROL SWITCHES, AND OTHER CONTROLS OF MECHANICAL EQUIPMENT.
- THE STARTER FOR THIS UNIT SHALL BE PROVIDED WITH THE FOLLOWING I/O TO THE PUMP STATION CONTROL PANEL. OUTPUTS TO CONTROL PANEL: RUN INDICATION, HAND INDICATION, OFF INDICATION, REMOTE INDICATION, FAIL ALARM. INPUTS FROM THE CONTROL PANEL: START/STOP R.C. INPUTS FROM PUMP: THERMAL OVERLOAD SENSING CONTACT.

① ④ ⑤ LIGHTING FIXTURE SCHEDULE (P.E.C.)

FIXT. LTR.	MANUFACTURER CATALOG NUMBER	MANUFACTURER CATALOG NUMBER	MANUFACTURER CATALOG NUMBER	MANUFACTURER CATALOG NUMBER	DESCRIPTION SEE NOTES	LAMP TYPE NO.	VOLTS	LENS\LOUVER\FINISH	REMARKS	W	L	D
CG	WILLIAMS 92-4-232-A	COLUMBIA LU4-232-EB8-PAF	LITHONIA DM-232-PAF	METALUX VT2-232DR-DL	4' DAMP LABEL	F32/835	2	UNW	WHITE ENCLOSED AND GASKETED			1.6771 4.333
CGE	WILLIAMS 92-4-232-A	COLUMBIA LU4-232-EB8-PAF	LITHONIA DM-232-PAF	METALUX VT2-232DR-DL	4' DAMP LABEL	F32/835	2	UNW	WHITE ENCLOSED AND GASKETED			1.6771 4.333
CGW	WILLIAMS 92-4-232-A	COLUMBIA LU4-232-EB8-PAF	LITHONIA DM-232-PAF	METALUX VT2-232DR-DL	4' WET LABEL	F32/835	2	UNW	WHITE ENCLOSED AND GASKETED			1.6771 4.333
D	FITURE TO BE REMOVED											
VD	WILLIAMS 91/4/2/32/EB2/	W/ 1100 LUMEN EM BATTERY BALLAST										
WD	KIM (TYPE II) WD1803/250MH/DP-P	WALL DIRECTOR 250 MH GLASS LENS W/ INTEGRAL PHOTOCCELL										

- GENERAL CONTRACTOR SHALL PROVIDE FIREPROOFING AROUND RECESSED FIXTURES INSTALLED IN FIRE RATED CEILING PER U.L. REQUIREMENTS. ELECTRICAL CONTRACTOR WILL COORDINATE.
- LIGHT FIXTURES SHALL BE PROVIDED WITH ELECTRONIC BALLASTS. COMPACT FLUORESCENT ELECTRONIC BALLASTS SHALL HAVE END-OF-LIFE PROTECTION CIRCUIT TO PREVENT WELDING OF LAMPS IN SOCKETS OR LAMP BREAKAGE. SEE THE SPECIFICATIONS. ALL FLUORESCENT LAMPS SHALL BE LOW MERCURY AND SHALL MEET ALL E.P.A. GUIDELINES FOR PASSING 'TCLP' TESTS. ALL INDOOR FLUORESCENT BALLASTS SHALL HAVE A DISCONNECTING MEANS MEETING THE REQUIREMENTS OF N.E.C. (2005) ARTICLE 410.73(G), EXCEPT FOR THOSE INSTALLED IN CORD-AND-PLUG CONNECTED FIXTURES.
- NOT USED.
- MANUFACTURERS LISTED IN THIS SCHEDULE OR APPROVED BY WRITTEN ADDENDUM WILL BE THE ONLY APPROVED MANUFACTURERS TO BID THE LIGHTING FIXTURES FOR THIS PROJECT. CONTRACTORS AND SUPPLIERS USING PRICING FROM MANUFACTURERS NOT LISTED ON SCHEDULE OR BY ADDENDUM DO SO AT THEIR OWN RISK.
- LIGHT FIXTURE SELECTIONS ARE BASED ON THE MANUFACTURER IN THE LEFT MOST COLUMN AS LISTED IN THE SCHEDULE. FIXTURES APPROVED AS EQUALS IN THIS SCHEDULE OR BY ADDENDUM SHALL BE EQUAL TO THE UNIT SPECIFIED IN THE LEFT MOST COLUMN, IE: SPRING LOADED LATCHES, POST PAINTED FINISH, AND PHOTOMETRICS.

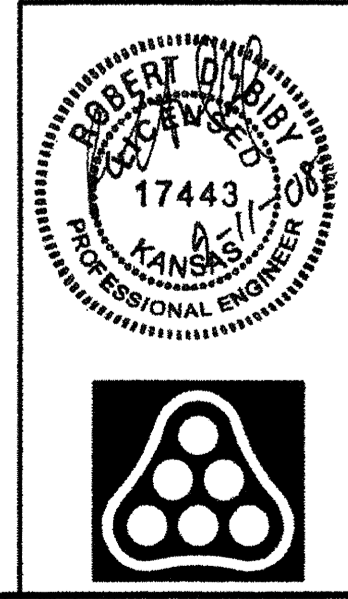
SYMBOL LIST

SYMBOL	DESCRIPTION	MOUNTING
	STRIP LIGHT FIXTURE & FIXTURE LETTER	CEILING
	LIGHT FIXTURE & FIXTURE LETTER	WALL
	LIGHT FIXTURE & FIXTURE LETTER	WALL
	SWITCHES (1-POLE, 2-POLE, 3-WAY, 4-WAY)	46" AFF
a,b,c	INDICATES SWITCHING SCHEME	
WP	WEATHERPROOF	
	DUPLEX GROUNDED RECEPTACLE	17" AFF
	SPECIAL DEVICE (AS NOTED)	
	JUNCTION BOX	
	FUSSTAT BUS #SSY	
	BRANCH CIRCUIT PANEL & PANEL DESIG.	72" TO TOP
	ELECTRICAL DISTRIBUTION EQUIPMENT	
	FEEDER DESIGNATION	
E	EMERGENCY	
R.V.A.T.	REDUCED VOLTAGE AUTO TRANSFORMER	
	SHIELDED TWISTED PAIR CABLE ANALOG	
	UTP CABLE DISCRETE SIGNAL	
	GFCI DUPLEX GROUNDED RECEPTACLE	17" AFF
	CONDUIT RUN 2#12 & 1#12 GRD.-1/2" C.	CEIL./WALL
	CONDUIT RUN 2#12 & 1#12 GRD.-1" C.	EARTH/FLOOR
	CONDUIT RUN 2 CIRCUITS, 3#12 & 1#12 GRD.-1" C.	EARTH/FLOOR
	CONDUIT RUN PARTIAL CIRCUIT	
	SEE GENERAL NOTE 8 & 10	
	CONDUIT RUN TWO (2) CIRCUITS	CEIL./WALL
	PHASE CONDUCTORS (#12 UON)	
	NEUTRAL CONDUCTOR (#12 UON)	
	SWITCH LEGS (#12 UON)	
	GROUND CONDUCTOR (#12 UON)	
	ISOLATED GROUND CONDUCTOR (#12 UON)	
	INFRARED OCCUPANCY SENSOR (SECURITY)	WALL 96"
	MAN DOWN ALARM PUSH BUTTON	WALL 48"
	THERMAL OVERLOAD SENSOR	AT MOTOR
	LEAK DETECTION	AT MOTOR
	SOLENOID OILER	AT MOTOR

GENERAL NOTES

- ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) & THE AMERICANS WITH DISABILITY ACT (ADA).
- REFER TO RELATED ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS FOR RELATED INFORMATION.
- REFER TO THE SPECIFICATIONS FOR DATA NOT ON THE DRAWINGS.
- E.C. SHALL REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS ASSOCIATED WITH WIRING AND CONNECTION OF INTERLOCKING AND CONTROLS OF MECHANICAL UNITS AND THERMOSTAT LOCATIONS.
- COORDINATE OUTLET BOX LOCATIONS WITH MASONRY TO MINIMIZE CUTTING OF BRICK OR BLOCK.
- ALL MOUNTING HEIGHTS TO CENTERLINE OF ITEM UNLESS OTHERWISE NOTED. VERIFY ALL OUTLET LOCATIONS ON THE JOB PRIOR TO ROUGH-IN.
- FOR REQUIREMENTS OF OUTLET INSTALLATIONS IN FIRE RATED WALLS AND PARTITIONS, SEE THE SPECIFICATIONS.
- CONDUIT RUN W/ CONDUCTORS AS INDICATED & GROUND WIRE SIZED PER N.E.C. 250-95. CONDUIT SIZE AS REQUIRED.
- SEPARATE GREEN GROUND CONDUCTOR SHALL BE ROUTED IN ALL CONDUITS WITH ALL PHASE CONDUCTORS.
- WHEN INCREASED CONDUCTOR SIZES ARE SHOWN ON THE PLANS, THE LARGER CONDUCTOR SIZE SHALL BE USED THROUGHOUT THE LENGTH OF THE CIRCUIT, INCLUDING NEUTRAL AND GROUND.

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