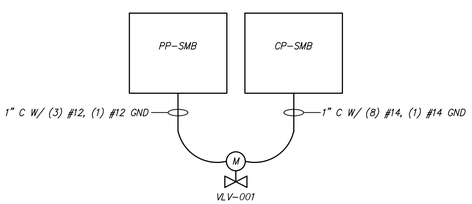
PANEL PP–SMB

CKT #	DESCRIPTION	WIRE	CB	CONDUIT	LOAD AMPS PHASE A CONNECTED	LOAD AMPS PHASE A DEMAND	LOAD AMPS PHASE B CONNECTED	LOAD AMPS PHASE B DEMAND	LOAD AMPS PHASE C CONNECTED	LOAD AMPS PHASE C DEMAND	CONDUIT	CB	WIRE	DESCRIPTION	CKT #
1	VALVE VLV–001	#12 (#12)	15	3/4"	5	5					3/4"	15	#12 (#12)	VALVE VLV–002	2
	–				5	5								–	
3	"	"	"	"			5	5			"	"	"	"	4
							5	5							
5	"	"	"	"					5	5	"	"	"	"	6
									5	5					
7	VALVE VLV–003	#12 (#12)	15	3/4"	5	0					3/4"	15	#12 (#12)	VALVE VLV–004	8
	–				5	0								–	
9	"	"	"	"			5	0			"	"	"	"	10
							5	0							
11	"	"	"	"					5	0	"	"	"	"	12
									5	0					
13	VALVE VLV–005	#12 (#12)	15	3/4"	5	0					1"	20	#12 (#12)	PUMP PMP–01	14
	–				14	14								–	
15	"	"	"	"			5	0			"	"	"	"	16
							14	14							
17	"	"	"	"					5	0	"	"	"	"	18
									14	14					
19	NORTH LIGHT POLE FIXTURES	#12 (#12)	15	3/4"	.5	.5					–	15	– (–)	SPARE	20
					–	–								–	
21	NORTH LIGHT POLE FIXTURES	#12 (#12)	15	3/4"			.5	.5			"	"	"	"	22
							–	–							
23	SPARE	– (–)	20	–					–	–	"	"	"	"	24
	–								–	–					
25	SPARE	– (–)	20	–	–	–					–	15	– (–)	SPARE	26
	–				–	–								–	
27	"	"	"	"			–	–			"	"	"	"	28
							–	–							
29	"	"	"	"					–	–	"	"	"	"	30
									–	–					
				TOTAL CONNECTED	39.5		39.5		39						
				TOTAL DEMAND		24.5		24.5		24					

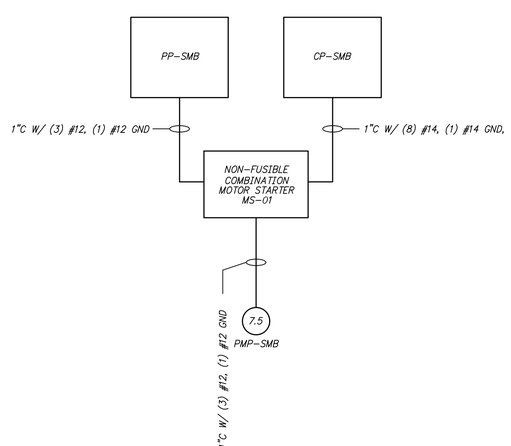
TYPE: LIGHTING AND APPLIANCE
VOLTS: 277/480V, THREE PHASE, FOUR WIRE
MAIN: 100 AMP
BUS: 125 AMP
RATING: 42 KAIC
MOUNTING: SURFACE MOUNT
ENCLOSURE RATING: NEMA 4X
BRANCH BREAKERS: BOLT–ON

CONNECTED KVA: 33
DEMAND KVA: 20
DESIGN KVA: 83



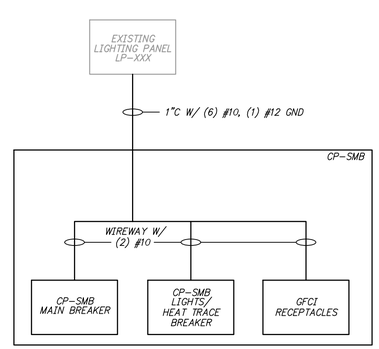
VLV–001 (VLV–002, 003, 004, 005 SIMILAR)
RISER DIAGRAM

DETAIL B / EC–1
N.T.S.



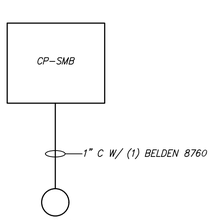
SLUDGE MIXING BOX PUMP
RISER DIAGRAM

DETAIL D / EC–1
N.T.S.



CP–SMB POWER
RISER DIAGRAM

DETAIL E / EC–1
N.T.S.



SLUDGE MIXING BOX LEVEL
TRANSMITTER RISER DIAGRAM

DETAIL C / EC–1
N.T.S.

1"
ONE INCH
AT FULL SIZE
IF NOT ONE INCH
SCALE ACCORDINGLY

REVISION	DATE

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STATE OF ARKANSAS PROFESSIONAL ENGINEER No. 9686 C. SCOTT BARNES 8/26/24

HAWKINS WEIR ENGINEERS, INC.
BLACK & VEATCH

ROGERS, ARKANSAS
ROGERS POLLUTION CONTROL FACILITY (PCF)
SOLIDS HANDLING IMPROVEMENTS, PHASE II

SLUDGE MIXING BOX
SCHEDULES AND DETAILS
FOR: ROGERS WATER UTILITIES

DATE: AUGUST 2024
SCALE: NTS
DESIGNED BY: LSM
DRAWN BY: LSM
HWEI NO.: 2020043
FILENAME: EC–02

SHEET NO.
EC–2

Z:\20\2020043 ROGERS SOLIDS HANDLING IMPROVEMENTS, PH 2\DRAWINGS\CONSTRUCTION DRAWINGS\WWTP\EC–02.DWG, 8/26/2024 11:17 AM, MATT WEIR, LAYOUT1