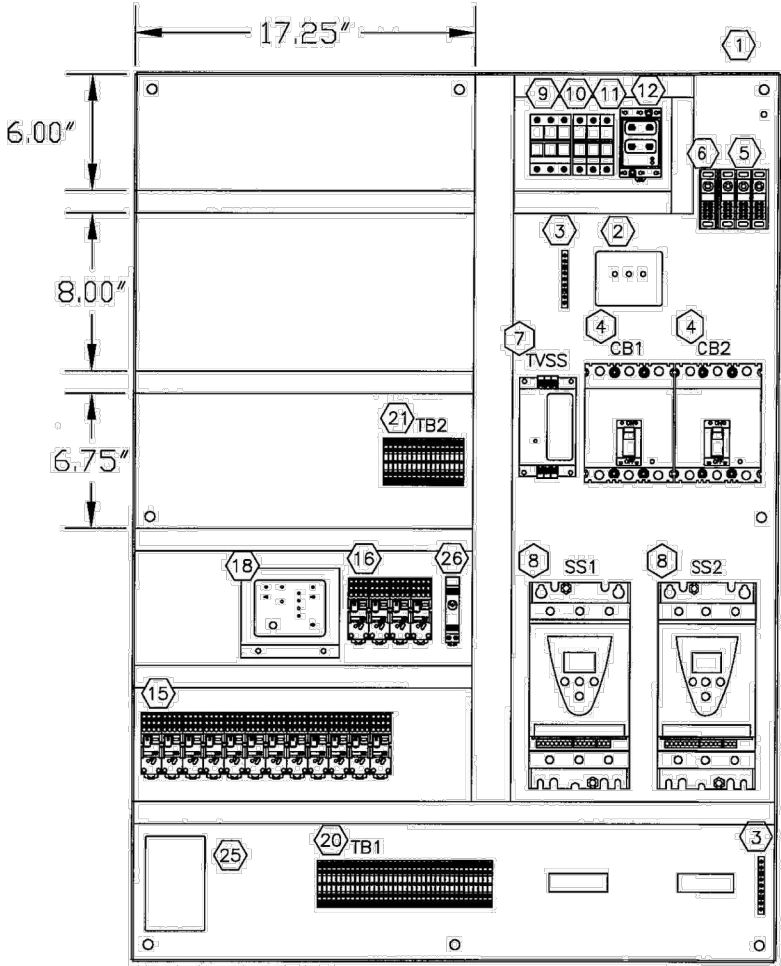
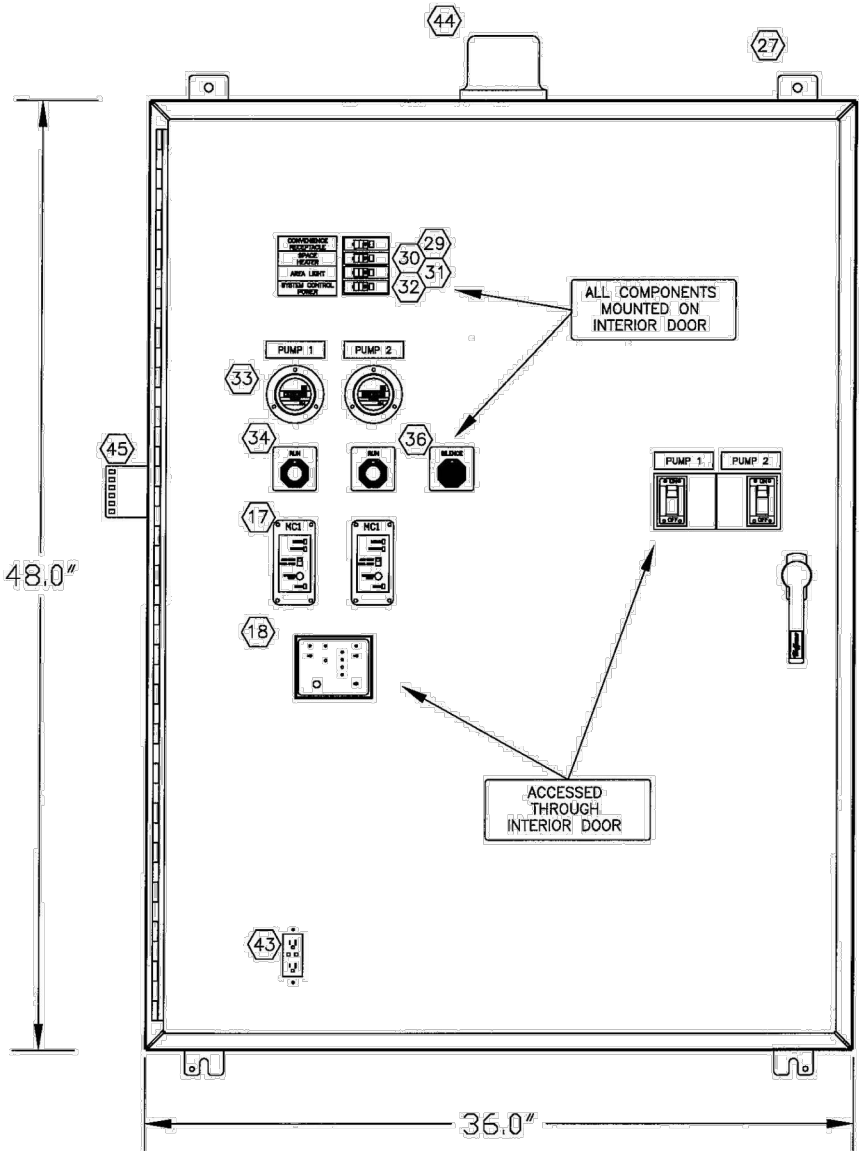


BILL OF MATERIALS			
ITEM	QUAN	DESCRIPTION	MANUFACTURER
1	1	MOUNTING PANEL CAT# A48P36	HOFFMAN
2	1	LIGHTNING ARRESTER CAT# SDSA3650	SQUARE D
3	3	COPPER GROUND BAR CAT#PK7GTA	SQUARE D
4	2	30 AMP PUMP CIRCUIT BREAKERS CAT# FAL32030	SQUARE D
5	1	POWER DISTRIBUTION BLOCK CAT# 1323580	MARATHON
6	1	NEUTRAL DISTRIBUTION BLOCK CAT# 1321580	MARATHON
7	1	TVSS, 120 VAC CAT# HSP121BT-1RU	EDCO
8	2	SSRV STARTER, 5HP(230V) CAT# ATS22D32S6U	SQUARE D
9	1	FU1 3 POLE CLASS CC FUSE BLOCK / FUSES CAT# CHCC3D / FNR-1	BUSSMANN
10	2	FU2,3 1 POLE, CLASS M FUSE BLOCK / FUSES CAT# CHM1D / FNM-1	BUSSMANN
11	1	FU4 1 POLE, CLASS M FUSE BLOCK / FUSES CAT# CHM1D / FNM-1	BUSSMANN
12	1	PHASE LOSS & UNDERVOLTAGE RELAY CAT# 460-14	SYNCOM
13			
14			
15	12	120 VAC 4 POLE DT RELAY / BASE CAT# RXM4AB2F7 / RXZE2S114M	SQUARE D / SQUARE D
16	4	24VDC 4 POLE DT RELAY / BASE CAT# RXM4AB2BD / RXZE2S114M	SQUARE D / SQUARE D
17	2	PUMP PROTECTION RELAY / BASE CAT#MINICAS / RUZC3M	FLYGT / SQUARE D
18	2	DUPLEX PUMP CONTROLLER CAT# 010-120-122P	MPE ELECTRONICS
19			
20	31	TB1 TERMINAL BLOCKS CAT# 102010	WEIDMULLER
21	18	TB2 TERMINAL BLOCKS CAT# 102010	WEIDMULLER
22			
23			
24			
25	1	50 WATT SPACE HEATER CAT# AHC-50	INGRAM
26	1	HEATER THERMOSTAT CAT# 7T.B1.0.000.2403	FINDER
27	1	NEMA 4X, STAINLESS ENCLOSURE CAT# A48H3612SSLP3PTW	HOFFMAN
28			
29	1	CONVENIENCE RECEPTACLE BREAKER CAT# QOU115	SQUARE D
30	1	SPACE HEATER BREAKER CAT# QOU110	SQUARE D
31	1	AREA LIGHT BREAKER CAT# QOU115	SQUARE D
32	1	SYSTEM CONTROL POWER BREAKER CAT# QOU110	SQUARE D
33	2	ELAPSED TIME METER CAT# 711-0160	REDDINGTON
34	2	"DRIVE RESET" PUSHBUTTON CAT# 9001 SKR1BH6	SQUARE D
35	1		
36	1	"SILENCE" PUSHBUTTON CAT# 9001 SKR1BH6	SQUARE D
37			
38			
39			
40			
41			
42			
43	1	15 AMP GFI RECEPTACLE CAT# 15951	P&S
44	1	EXTERNAL ALARM LIGHT CAT# LRX40F	INGRAM
45	1	NEMA 4X ALARM HORN CAT# 85SP-B10LE22	ALLEN-BRADLEY



ENCLOSED UL LISTED TYPE 4X WITH WHITE POWDER COATED EXTERIOR

CONTROL PANEL WILL BE UL508A LISTED.

TYPICAL DUPLEX CONTROL PANEL 230/120 VOLT 3 PHASE 4W

FRONT ELEVATION & PANEL LAYOUT

17th Item and Address
R S INTEGRATORS, INC.
11172 DOWNS ROAD
PINEVILLE, NC 28134
704-588-8288

NOTICE:

1. THE CONTROL PANEL EQUIPMENT AND CONFIGURATION INDICATED HEREON ARE JIPSD MINIMUM REQUIREMENTS FOR DUPLEX PUMP STATION OF NOMINAL SIZE.
2. ACTUAL EQUIPMENT REQUIREMENTS SHALL BE SIZED AND PROVIDED AS NECESSARY FOR THE APPLICABLE PUMP HORSEPOWER.
3. THE COMPONENT MANUFACTURER AND BASIC MODEL SHALL BE AS INDICATED, BUT SIZED AS REQUIRED FOR THE SPECIFIC PUMP INSTALLED.
4. PANELS FOR LARGER HORSE POWER VFD CONTROLLED PUMPS SHALL BE EQUIPPED WITH AN APPROPRIATELY SIZED, DISTRICT APPROVED SIDE-MOUNTED HOFFMAN AIR CONDITIONER UNIT.

**JAMES ISLAND
PUBLIC SERVICE DISTRICT**

PUMP STATION
DUPLEX PUMP CONTROL PANEL

DRAWING:
20

DATE: 05/24/16

DRAWN BY: GRG & ASSOC., INC

SCALE: NTS

APPROVED BY: DJH