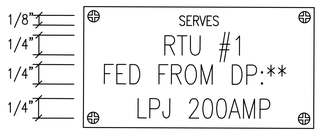
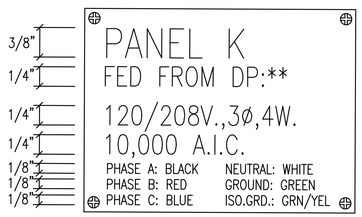
SWITCHBOARD/DISTRIBUTION PANEL/MOTOR CONTROL CENTER BREAKER/SWITCH



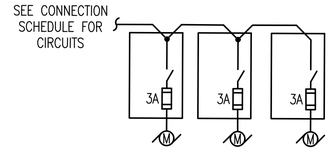
DISCONNECT SWITCH



BRANCH CIRCUIT/DISTRIBUTION PANEL

1 TYPICAL NAMEPLATES

NO SCALE



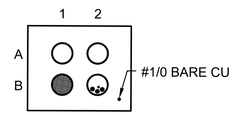
NOTE: MAXIMUM THREE (3) ACTUATORS PER CIRCUIT (SEE CONNECTION SCHEDULE).

2 TYPICAL VALVE ACTUATOR POWER WIRING

NO SCALE

LEGEND:

- POWER CONDUIT
- CONTROLS CONDUIT
- SPARE CONDUIT

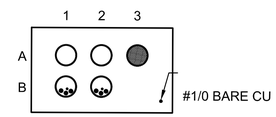


CABLE SCHEDULE		
A1	SPARE 2" C	
A2	1" C FOR CONTROLS (SPARE)	
B1	1" C FOR CONTROLS	①
B2	SPARE 1" C FOR L5:9	①

① EXISTING CONDUIT TO BE USED FOR CIRCUIT INSTALLED UNDER THIS CONTRACT.

A DUCT BANK SECTION

NO SCALE

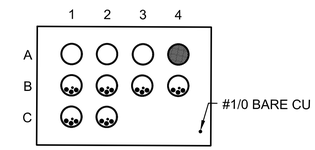


CABLE SCHEDULE		
A1	SPARE 2" C	
A2	1" C FOR CONTROLS (SPARE)	
A3	1" C FOR CONTROLS	①
B1	SPARE 1" C FOR FUTURE L5:11	
B2	SPARE 1" C FOR L5:9	①
B3	NOT USED	

① EXISTING CONDUIT TO BE USED FOR CIRCUIT INSTALLED UNDER THIS CONTRACT.

B DUCT BANK SECTION

NO SCALE



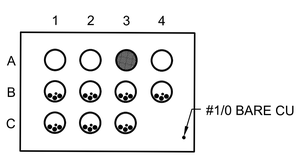
CABLE SCHEDULE		
A1	SPARE 2" C	
A2	SPARE 2" C	
A3	2" C FOR CONTROLS (SPARE)	①
A4	2" C FOR CONTROLS	
B1	SPARE 1" C FOR FUTURE L5:11	
B2	SPARE 1" C FOR FUTURE L5:13	
B3	1" C FOR L5:3	
B4	SPARE 1" C FOR FUTURE L5:15	

CABLE SCHEDULE		
C1	1" C FOR L5:1	
C2	SPARE 1" C FOR L5:9	①
C3	NOT USED	
C4	NOT USED	

① EXISTING CONDUIT TO BE USED FOR CIRCUIT INSTALLED UNDER THIS CONTRACT.

I DUCT BANK SECTION

NO SCALE



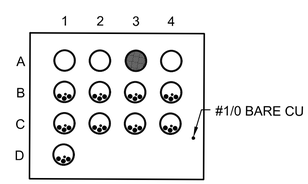
CABLE SCHEDULE		
A1	SPARE 3-1/2" C	
A2	SPARE 3-1/2" C	
A3	2" C FOR CONTROLS	
A4	2" C FOR CONTROLS (SPARE)	①
B1	1" C FOR L5:3	
B2	SPARE 1" C FOR FUTURE L5:13	
B3	SPARE 1" C FOR FUTURE L5:17	
B4	SPARE 1" C FOR L5:9	①

CABLE SCHEDULE		
C1	1" C FOR L5:1	
C2	SPARE 1" C FOR FUTURE L5:11	
C3	SPARE 1" C FOR FUTURE L5:15	
C4	NOT USED	

① EXISTING CONDUIT TO BE USED FOR CIRCUIT INSTALLED UNDER THIS CONTRACT.

J DUCT BANK SECTION

NO SCALE



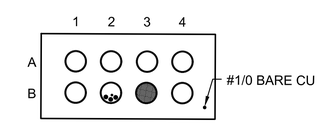
CABLE SCHEDULE		
A1	SPARE 3-1/2" C	
A2	SPARE 3-1/2" C	
A3	3" C FOR CONTROLS	
A4	2" C FOR CONTROLS (SPARE)	①
B1	1" C FOR L5:3	
B2	SPARE 1" C FOR FUTURE L5:13	
B3	SPARE 1" C FOR FUTURE L5:17	
B4	1" C FOR L5:5	

CABLE SCHEDULE		
C1	1" C FOR L5:1	
C2	SPARE 1" C FOR FUTURE L5:11	
C3	SPARE 1" C FOR FUTURE L5:15	
C4	SPARE 1" C FOR L5:9	①
D1	1" C FOR L5:7	
D2	NOT USED	
D3	NOT USED	
D4	NOT USED	

① EXISTING CONDUIT TO BE USED FOR CIRCUIT INSTALLED UNDER THIS CONTRACT.

L DUCT BANK SECTION

NO SCALE



CABLE SCHEDULE		
A1	FEEDER 2 (FUTURE)	
A2	FEEDER 3 (FUTURE)	
A3	FEEDER 4 (FUTURE)	
A4	4" C FOR CONTROLS (SPARE)	①
B1	SPARE 3-1/2" C	
B2	2-1/2" C FOR FEEDER 1	
B3	4" C FOR CONTROLS	
B4	SPARE 3-1/2" C	

① EXISTING CONDUIT TO BE USED FOR CIRCUIT INSTALLED UNDER THIS CONTRACT.

R DUCT BANK SECTION

NO SCALE

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

RICHARD W. WEHE
LICENSED
23147
10/16/2023
KANSAS
PROFESSIONAL ENGINEER

CONSTRUCTION PLANS
FOR
HESS PUMP STATION
SITE VALVE REPLACEMENT
(PHASE 1 AND 2)

PAUL GUNZELMAN, P.E. - INTERIM CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-2021-005881

Issue:

JOB NO.	200335-004
DATE	OCTOBER, 2023
PM	TBK
DESIGNED BY	RWW
DRAWN BY	JAB
CHECKED BY	RWW

ELECTRICAL DETAILS

E2.1

SAVED 10/16/2023 9:33:04 AM BY JACOB.BURNS
PLOTTED 10/16/2023 9:35:15 AM BY JACOB.BURNS
U:\WICHITA-CIVIL\2020\200335\004\ELEC\DRAWINGS\E2.1 ELECTRICAL DETAILS.DWG