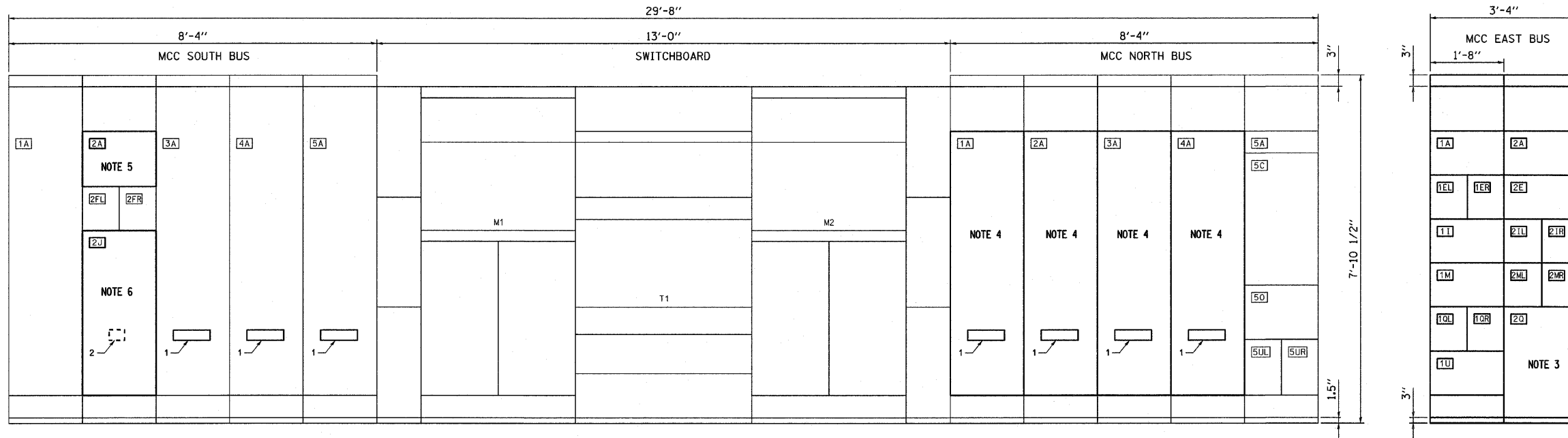


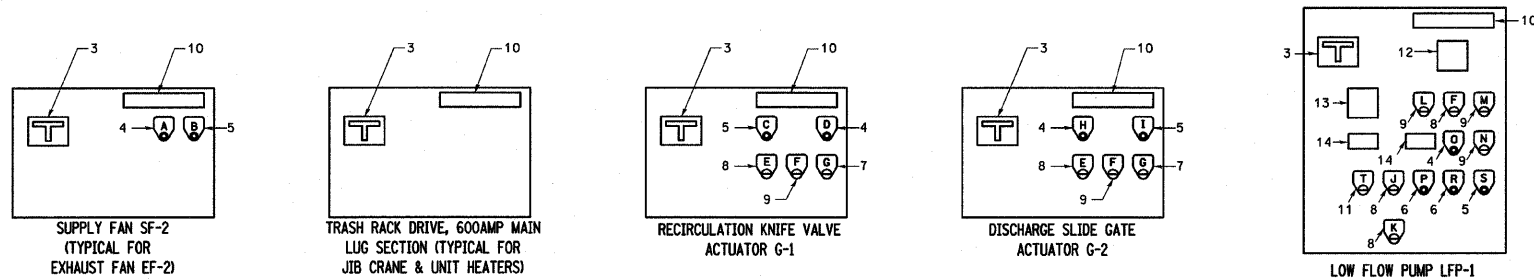
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	1999-161-1	COOK	75	46
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
D-91-411-99				



NOTES:

1. NEW MCC COMPARTMENTS SHOWN IN BOLD LINES.
2. SIZE OF DRAW DOWN PUMP CAN NOT EXCEED 30 HP.
3. FVNR STARTER FOR DRAW DOWN PUMP LOCATED IN THE EXISTING COMPARTMENT 2N OF SOUTH SECTION MCC SHOULD BE RELOCATED INTO COMPARTMENT 2Q OF THE EAST SECTION. EXISTING CONDUIT AND CABLE SHALL BE REMOVED.
4. THE STARTERS IN COMPARTMENTS 1A, 2A, 3A & 4A OF THE NORTH SECTION MCC SHALL BE MODIFIED TO MAKE SUITABLE FOR USE WITH 200 HP MOTORS. THIS MAY REQUIRE BUT IS NOT LIMITED TO CHANGING THE CIRCUIT BREAKERS, BUS TO STARTER CONNECTIONS AND VERTICAL BUS TO 400A.
5. CONTRACTOR SHALL REMOVE EXISTING SOUTH BLOWER STARTER, BREAKER, AND CUBICLE DOOR. CONDUIT AND CABLE SHALL ALSO BE REMOVED.
6. CONTRACTOR SHALL REMOVE EXISTING SOUTH DUCT HEATERS #1 AND #2 BREAKERS. CONDUIT AND CABLE SHALL ALSO BE REMOVED.

MCC-PS26 FRONT ELEVATION



LEGEND

[Existing Compartment Symbol]	EXISTING COMPARTMENT
[New Compartment Symbol]	NEW COMPARTMENT

SOUTH BUS SECTION													
UNIT LOC	NAMEPLATE SCHEDULE (ENGRAVING)	UNIT TYPE	STR SIZE	BKR SIZE	HP	KW	VOLTS	PHASE	HZ.	MOT AMP	HTR AMP	WIRE SIZE	CND SIZE
1A	CONTROL PANEL	MT. UNIT	EXISTING (INSTALLED)										
2A	600AMP MAIN LUG SECTION FOR EAST SECTION	BKR	---	200	---	---	---	---	---	---	---	3*4/0 & 1*1/0 GND	2 1/2"
2FL	CONTROL ROOM LTG TR-R (NORMAL SOURCE)	BKR	---	60	---	---	---	---	---	---	---	4*8	1"
2FR	SPARE	BKR	---	30	---	---	---	---	---	---	---	EXISTING	---
2J	LOW FLOW PUMP LFP-1	FVNR	4	250	75	55	460	3	60	96	---	3*1/0 & 1*6 GND	2"
3A	MAIN PUMP MP-1	FVNR	5	400	200	150	460	3	60	240	---	2-3X250 MCM & 1*1/0 GND	3 1/2"
4A	MAIN PUMP MP-2	FVNR	5	400	200	150	460	3	60	240	---	2-3X250 MCM & 1*1/0 GND	3 1/2"
5A	MAIN PUMP MP-3	FVNR	5	400	200	150	460	3	60	240	---	2-3X250 MCM & 1*1/0 GND	3 1/2"

NORTH BUS SECTION													
UNIT LOC	NAMEPLATE SCHEDULE (ENGRAVING)	UNIT TYPE	STR SIZE	BKR SIZE	HP	KW	VOLTS	PHASE	HZ.	MOT AMP	HTR AMP	WIRE SIZE	CND SIZE
1A	MAIN PUMP MP-4	FVNR	5	400	200	150	460	3	60	240	---	2-3X250 MCM & 1*1/0 GND	3 1/2"
2A	MAIN PUMP MP-5	FVNR	5	400	200	150	460	3	60	240	---	2-3X250 MCM & 1*1/0 GND	3 1/2"
3A	MAIN PUMP MP-6	FVNR	5	400	200	150	460	3	60	240	---	2-3X250 MCM & 1*1/0 GND	3 1/2"
4A	MAIN PUMP MP-7	FVNR	5	400	200	150	460	3	60	240	---	2-3X250 MCM & 1*1/0 GND	3 1/2"
5A	CONTROL ROOM LTG TR-R (BACK SOURCE)	BKR	---	60	---	---	---	---	---	---	---	4*8	1"
5C	60A TRANSFER SWITCH	SW	---	---	---	---	---	---	---	---	---	EXISTING	---
50	EXHAUST FAN EF-2 STAIRWELL ROOF	FVNR	1	15	2	---	460	3	60	3.4	---	4*12	3/4"
5UL	SPARE	BKR	---	---	---	---	---	---	---	---	---	EXISTING	---
5UR	DRY PIT HEATER	BKR	---	---	---	---	---	---	---	---	---	EXISTING	---

NEW EAST BUS SECTION													
UNIT LOC	NAMEPLATE DESIGNATION	UNIT TYPE	STR SIZE	BKR SIZE	HP	KW	VOLTS	PHASE	HZ.	MOT AMP	HTR AMP	WIRE SIZE	CND SIZE
1A	600A MAIN LUGS EAST SECTION	---	---	---	---	---	---	---	---	---	---	3*4/0 & 1*1/0 GND	2 1/2"
1EL	UNIT HEATER UH-1B MCC ROOM	BKR	---	15	---	3	460	3	60	---	4.7	4*12	3/4"
1ER	UNIT HEATER UH-1A MCC ROOM	BKR	---	15	---	3	460	3	60	---	4.7	4*12	3/4"
1I	SUPPLY FAN SF-2 PUMP ROOM	FVNR	1	15	5	---	460	3	60	7.6	---	4*12	3/4"
1M	SPARE	BKR	1	15	---	---	460	3	60	---	---	---	---
1QL	UNIT HEATER UH-2B PUMP ROOM	BKR	---	15	---	5	460	3	60	---	7.9	4*12	3/4"
1QR	UNIT HEATER UH-2A PUMP ROOM	BKR	---	15	---	5	460	3	60	---	7.9	4*12	3/4"
1U	SPACE	---	---	---	---	---	---	---	---	---	---	---	---
2A	RECIRCULATION KNIFE GATE VLV ACTUATOR G-1	BKR	---	15	2	---	460	3	60	3.4	---	4*12	3/4"
2E	DISCHARGE SLIDE GATE ACTUATOR G-2	BKR	---	15	2	---	460	3	60	3.4	---	4*12	3/4"
2IL	TRASH RACK DRIVE (TR-1)	BKR	---	15	1	---	460	3	60	2.1	---	4*12	3/4"
2IR	UNIT HEATER UH-3 TRASH RACK STAIRWELL	BKR	---	30	---	5	460	3	60	---	7.9	4*12	3/4"
2ML	JIB CRANE TM-1 & HM-1 STAIRWELL	BKR	---	15	1/2 + 1/2	---	460	3	60	2.1	---	4*12	3/4"
2MR	SPARE	BKR	---	15	---	---	460	3	60	---	---	---	---
2Q	DRAWDOWN PUMP	FVNR	---	NOTE 3	NOTE 2	---	460	3	6	---	---	4*8	1"

DEVICE LEGEND (DEVICE TO BE INSTALLED)		
ITEM	DEVICE DESCRIPTION	DEVICE COLOR
1	MONITORING AND PROTECTION EQUIPMENT FOR MAIN PUMP (MAPE-1)	---
2	MONITORING AND PROTECTION EQUIP. FOR LOW FLOW PUMP (MINI-MAPE)	---
3	CIRCUIT BREAKER	---
4	INDICATING LIGHT	GREEN
5	INDICATING LIGHT	RED
6	INDICATING LIGHT	YEL
7	PUSH BUTTON	GREEN

DEVICE LEGEND (DEVICE TO BE INSTALLED)		
ITEM	DEVICE DESCRIPTION	DEVICE COLOR
8	PUSHBUTTON	RED
9	PUSHBUTTON	BLACK
10	NAMEPLATE WITH WHITE LETTERING	BLACK
11	3-POSITION SELECTOR SWITCH	GRAY
12	TIMER	---
13	AMMETER	---
14	ELAPSED TIME METER	---
15	ELECTROMECHANICAL COUNTER	---

ITEM	NAME PLATE SCHEDULE
A	FAN ON
B	FAN OFF
C	VALVE OPEN (RECIRCULATION POSITION)
D	VALVE CLOSED (DISCHARGE POSITION)
E	OPEN
F	STOP
G	CLOSE
H	GATE OPEN (DISCHARGE POSITION)
I	GATE CLOSED (RECIRCULATION POSITION)
J	RESET

ITEM	NAME PLATE SCHEDULE
K	RESET (MOTOR MOISTURE & HI TEMP ALARM)
L	START
M	RUN START
N	MOTOR BUMP
O	MOTOR RUN
P	PUMP CALL
R	MANUAL OPERATION
S	OFF
T	HAND OFF AUTO

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MCC-PS26 ELEVATION

SCALE: VERT. NO SCALE
HORIZ. NO SCALE
DATE: 3/23/2010

DRAWN BY: B.K.
CHECKED BY: M.Z.

