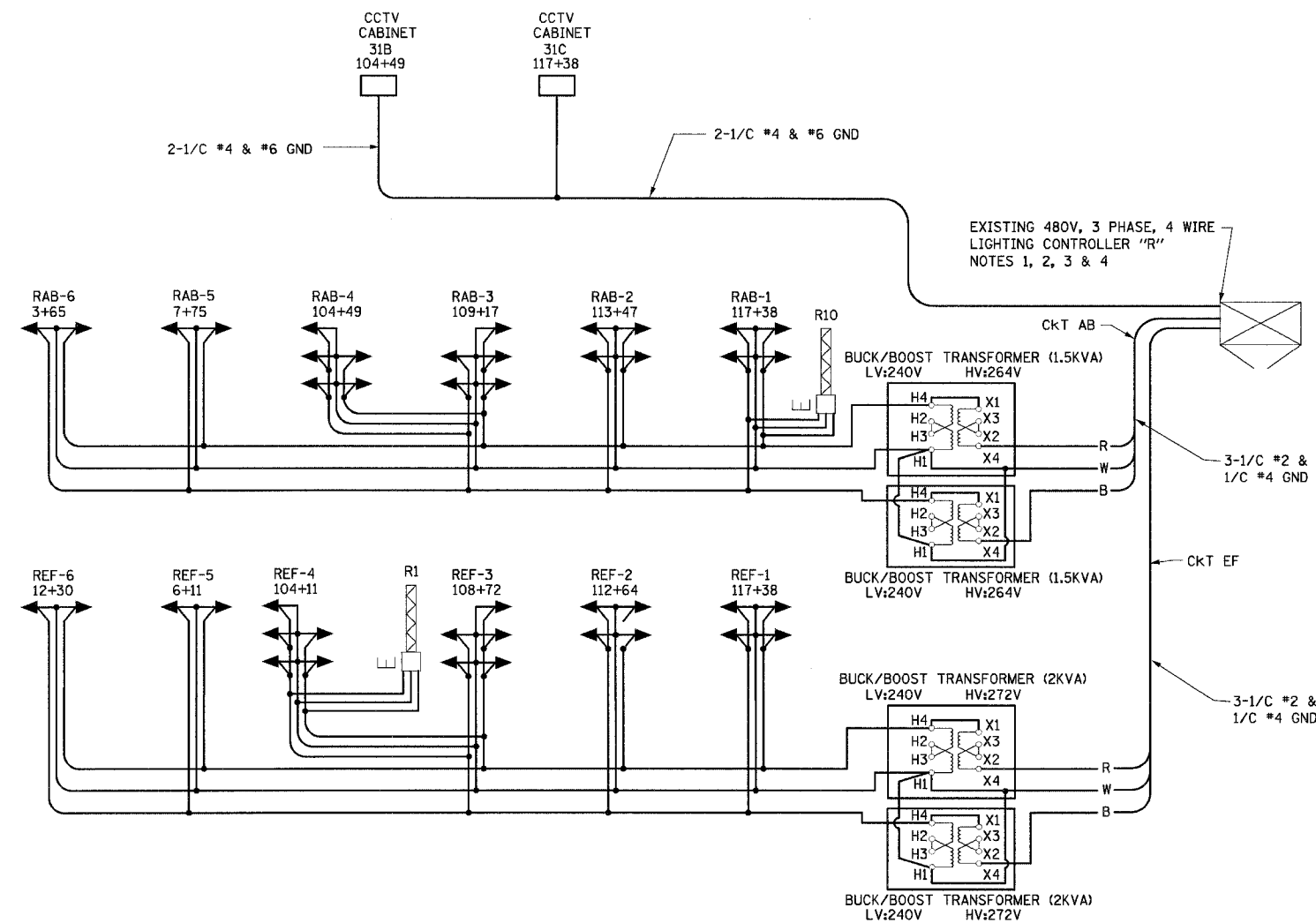


62877

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
240	0305-302K-13	COOK	55	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CIRCUIT	DESCRIPTION	PHASE A (RED) AMPS	PHASE B (BLACK) AMPS	BREAKER SIZE AMPS
A	11 FIXTURES + 3 SIGN	39.5		70
B	11 FIXTURES + 3 SIGN		39.5	70
C	SPACE			70
D	SPACE			70
E	11 FIXTURES + 4 SIGN	40.3		70
F	11 FIXTURES + 4 SIGN		40.3	70
G				70
H				70
I				70
J				70
K				70
L				70
M				70
N				70
O				70
P				70
Q				70
R				70
S				70
T				70
U				70
V				70
W				70
X				70
TOTAL CONNECTED LOAD				

**NOTES**

1. REPLACE EXISTING 3 POLE CIRCUIT BREAKER ABC WITH 2 SINGLE POLE, 70A BREAKERS. RE-DESIGNATE AS CIRCUIT BREAKERS A AND B. (MATERIAL AND LABOR SHALL BE INCLUDED UNDER PAY ITEM, MODIFY EXISTING CONTROLLER, SPECIAL)
2. REPLACE EXISTING 3 POLE CIRCUIT BREAKER DEF WITH 2 SINGLE POLE BREAKERS. RE-DESIGNATE AS CIRCUIT BREAKERS E AND F. (MATERIAL AND LABOR SHALL BE INCLUDED UNDER PAY ITEM, MODIFY EXISTING CONTROLLER, SPECIAL)
3. MODIFY EXISTING CONTROLLER "R" TO PROVIDE AN UNSWITCHED CIRCUIT FOR CAMERA POWER.
4. EXISTING CONTROLLER "R" IS LOCATED ON THE SOUTH SIDE OF ALGONQUIN ROAD, EAST OF ILLINOIS ROUTE 53.

**LEGEND**

- ← PROPOSED TOWER MOUNTED 750W HPS LUMINAIRE-240V DESIGNATION AS INDICATED
- ⊠ EXISTING SIGN LUMINAIRE
- ⊠ EXISTING LIGHTING CONTROLLER, DUPLEX TYPE WITH RADIO CONTROL AND SCADA
- B BLACK PHASE CONDUCTOR
- W WHITE NEUTRAL CONDUCTOR
- R RED PHASE CONDUCTOR
- G GREEN GROUND CONDUCTOR

E-13

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		ILLINOIS ROUTE 53 SINGLE LINE DIAGRAM EXISTING CONTROLLER "R"

**HOH** HARRY D. HULTER - ASSOCIATES, INC. 55 East Jackson Blvd. CHICAGO, ILLINOIS 60604  
 PROJECT 2672 6:\PROJECTS\2672\CONSTR\FINAL\_04\_01\_05\SEGMENT 1\07101513.DWG  
 DATE 02-28-2005

SCALE: VERT. NONE HORIZ. NONE  
 DATE 02-28-2005 DRAWN BY WDF CHECKED BY RER