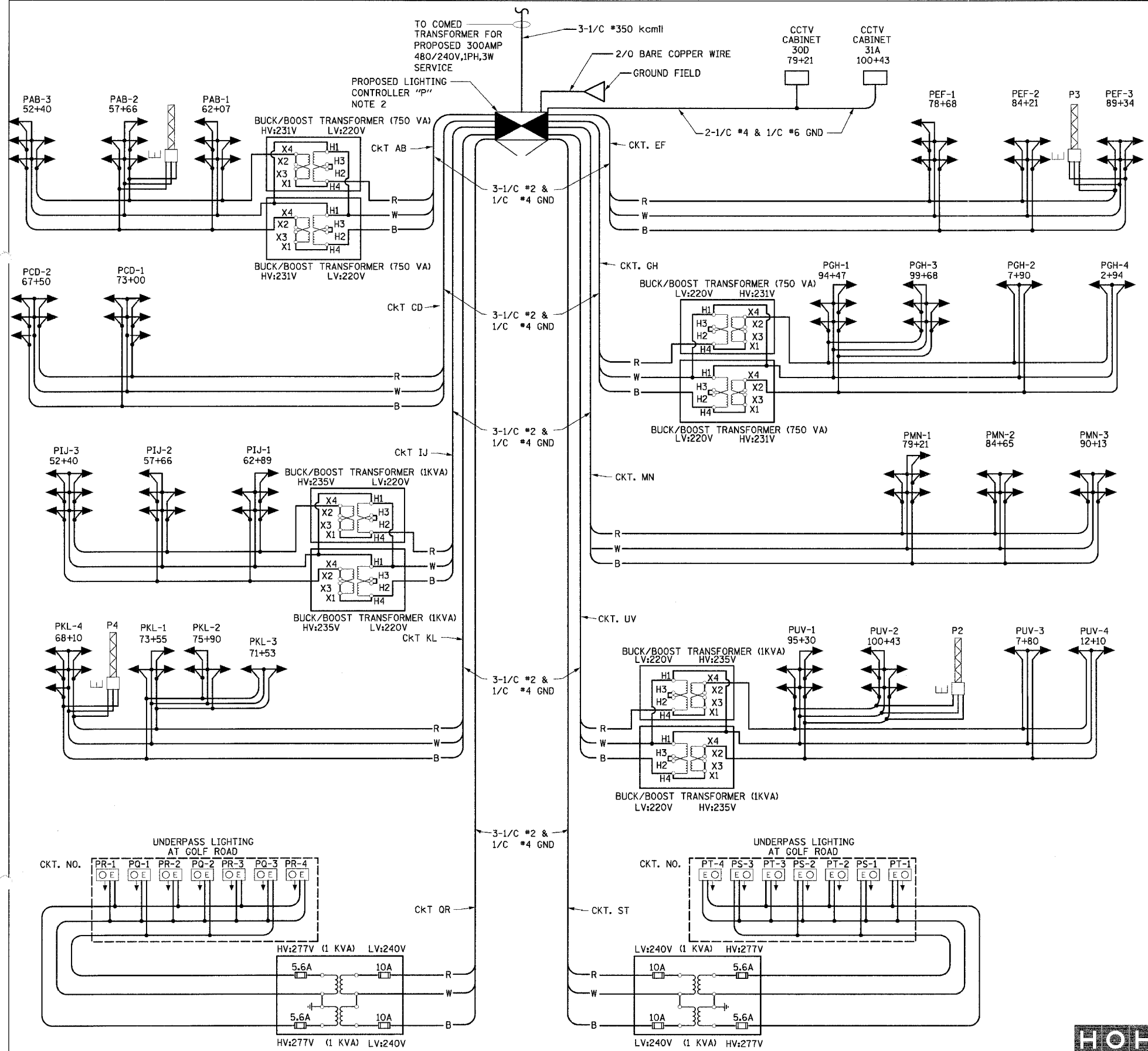


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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
240	0305-302K-L-3	COOK	55	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CIRCUIT	DESCRIPTION	PHASE A (RED) AMPS	PHASE B (BLACK) AMPS	BREAKER SIZE AMPS
A	7 FIXTURES + 4 SIGN	30.9		70
B	8 FIXTURES + 3 SIGN		33.9	70
C	5 FIXTURES	19.5		70
D	5 FIXTURES		19.5	70
E	7 FIXTURES + 3 SIGN	30		70
F	6 FIXTURES + 4 SIGN		27	70
G	7 FIXTURES	27.3		70
H	7 FIXTURES		27.3	70
I	8 FIXTURES	31.2		70
J	8 FIXTURES		31.2	70
K	6 FIXTURES + 4 SIGN	27		70
L	7 FIXTURES + 3 SIGN		30	70
M	6 FIXTURES	23.4		70
N	7 FIXTURES		27.3	70
O				70
P				70
Q	3 FIXTURES	2.4		70
R	4 FIXTURES		3.2	70
S	3 FIXTURES	2.4		70
T	4 FIXTURES		3.2	70
U	7 FIXTURES + 4 SIGN	30.9		70
V	7 FIXTURES + 4 SIGN		30.9	70
W				70
X				70
TOTAL		225	233.5	
CONNECTED LOAD		110 kVA		

- NOTES**
- BUCK BOOST TRANSFORMERS TO BE INSTALLED AT THE DISCRETION OF THE ENGINEER.
 - PROPOSED LIGHTING CONTROLLER "P" IS LOCATED ON THE SOUTHEAST CORNER OF GOLF ROAD AND FRONTAGE ROAD, EAST OF ILLINOIS ROUTE 53.

- LEGEND**
- ← PROPOSED TOWER MOUNTED 750W HPS LUMINAIRE-240V DESIGNATION AS INDICATED
 - EXISTING UNDERPASS LUMINAIRE
 - EXISTING SIGN LUMINAIRE
 - ◻ PROPOSED 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

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
E-12		ILLINOIS ROUTE 53 SINGLE LINE DIAGRAM PROPOSED CONTROLLER "P"
SCALE:	VERT. NONE HORIZ. NONE	
DATE:	02-28-2005	DRAWN BY: WDF CHECKED BY: RER

HOHL
 HARRY O. HETTER - ASSOCIATES, INC.
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 Chicago, Illinois 60601
 312/346-8131

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