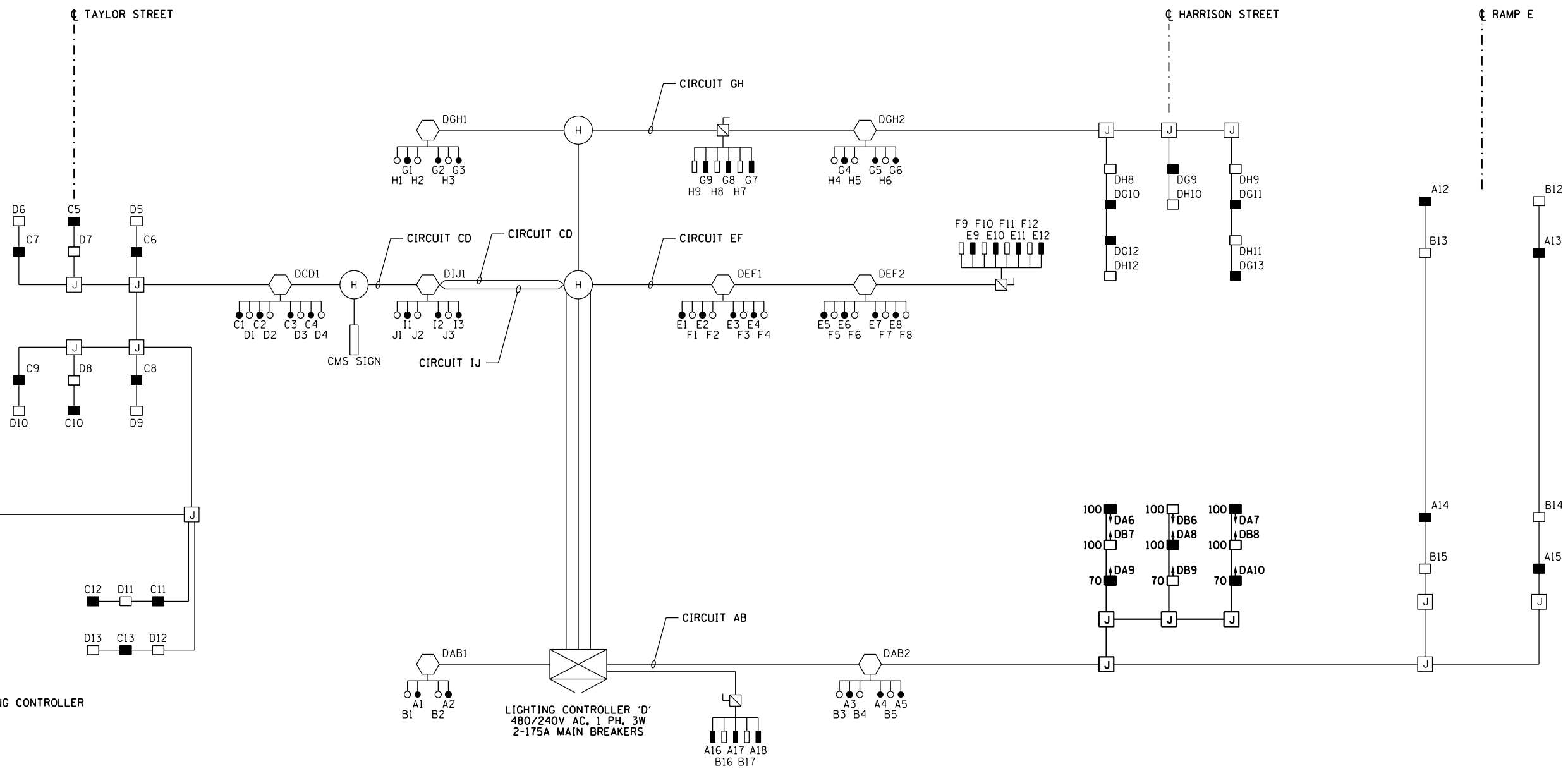


FILE PATH = p:\388035\pmt\l\ecom\line\local\p\AECD\000\Documents\01\_Americas\Transportation\6269938\_Circle\Phase\_1\000\_CDD\016\_Electrical\Sheets\60W71\_Contract\160W71-sht-Light-05



**SYMBOLS LEGEND**

- EXISTING IDOT LIGHTING CONTROLLER
- EXISTING HANDHOLE
- EXISTING JUNCTION BOX
- HANDHOLE
- EXISTING CMS SIGN
- EXISTING UNDERPASS LIGHTING UNIT  
55 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- EXISTING HIGH MAST LIGHT TOWER  
400 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- LIGHTED OVERHEAD SIGN STRUCTURE  
WITH 170 WATT FLUORESCENT  
LUMINAIRES, QUANTITY OF  
LUMINAIRES AS REQUIRED  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- PROPOSED UNDERPASS LIGHTING UNIT  
70 OR 100 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- PROPOSED JUNCTION BOX

LOAD TABLE LIGHTING CONTROLLER "D"					
CIRCUIT	BLACK PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	22.53	5,407.2	B	21.6	5,184
C	30.35	7,284	D	19.85	4,764
E	17.2	4,128	F	17.2	4,128
G	15.95	3,828	H	15.95	3,828
I	5.7	1,368	J	5.7	1,368
K	-	-	L	-	-
M	-	-	N	-	-
O	-	-	P	-	-
TOTAL	91.73	22,015.2	TOTAL	80.3	19,272



E-05



D160W71-sht-Light-05	DESIGNED - WDS	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 12/18/2013	DATE - 12/20/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IDOT LIGHTING CONTROLLER 'D' WIRING DIAGRAM			
SCALE: N.T.S.	SHEET 5 OF 19 SHEETS	STA.	TO STA.

F.A.I. RTE. 90/94/290	SECTION 2013-036R	COUNTY COOK	TOTAL SHEETS 256	SHEET NO. 77
CONTRACT NO. 60W71				
ILLINOIS FED. AID PROJECT				