F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	192
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT: 83828

LIGHTING CONTROLLER CABINET
NOT TO SCALE

- METER AND BASE
- 3 POINT LOCKING
- NAME PLATE
- LOCK
- Ø.063" ALUM. MOUNTING CHANNELS (TYP.)
- 41"
- CABINET ALUMINUM ALLOY SHEET, 0.125" THICK
- 2 1/2" DIA. GAL. STEEL CONDUIT
- BACKPLATE
- 24" x 30" CONCRETE PLATFORM
- GROUND LINE
- SEE LIGHTING CONTROLLER CABINET FOUNDATION DETAIL
- 25'
- 16'

BOTTOM VIEW - MOUNTING PATTERN

- 1/8"x1" VENT SLOTS ON UNDERSIDE OF TOP
- 2 ANCHOR BOLT SLOTS
- 13'

LIGHTING CONTROLLER CABINET NOTES

PERFORMANCE – THE ENCLOSURE WILL MEET OR EXCEED THE REQUIREMENTS OF A NEMA 3R RATING AND SHALL BE U.L. LISTED.

MATERIAL – CABINET AND DOOR TO BE CONSTRUCTED FROM 5052 H32 SHEET ALUMINUM ALLOY WITH A THICKNESS OF .125". ALL WELDS TO BE HELIARC AND SHALL BE FORMED AND FREE OF CRACKS, BLOW HOLES, AND OTHER DEFECTS. ALL EDGES TO BE FREE OF BURRS.

CABINET FEATURES – CABINET TOP SLOPES 1/2" TO THE REAR, WITH 1/8" x 1" SLOTS UNDER FRONT OVERHANG.

DOOR AND HARDWARE – THE CABINET DOOR SHALL BE HINGED ON THE RIGHT SIDE WHEN FACING THE FRONT OF THE CABINET AND HAS A CELLULAR NEOPRENE GASKET, WHICH IS WEATHER TIGHT. THE DOOR IS ALSO EQUIPPED WITH A TWO POSITION DOOR STOP, ONE AT 90 DEGREES AND ONE AT 120 DEGREES. HINGE IS 2" OPEN AND IS CONTINUOS 14 GAUGE STAINLESS STEEL WITH A 1/4" DIA. PIN AND IS CAPPED AT THE TOP TO RENDER IT TAMPER PROOF. THE HINGE IS SECURED WITH 1/4-20 STAINLESS STEEL CARRIAGE BOLTS AND ESNA LOCK NUTS. THE LATCHING MECHANISM IS A THRFF POINT DRAW ROLLER TYPE WHICH SECURES THE DOOR AT THE TOP, CENTER, AND BOTTOM. LOCKING RODS ARE 1/4" x 3/4" ALUMINUM TURNED EDGEWISE WITH 1" NYLON ROLLERS AND THE CENTER CATCH IS STAINLESS STEEL. THE DOOR HANDLE IS 3/4" DIA. STAINLESS STEEL AND HAS A PADLOCK HASP. AN ALL BRASS CORBIN LOCK WITH TWO KEYS IS ALSO FURNISHED. LOUVER INCLUDED IN LOWER HALF OF THE DOOR FOR VENTILATION.

EQUIPMENT MOUNTING – THE CABINET SHALL BE EQUIPPED WITH TWO ADJUSTABLE "L" MOUNTING CHANNELS WELDED TO EACH SIDE WALL AND THE BACK WALL ALLOWING FULL ADJUSTMENT OF SHELVES OR PANELS.

CABINET FINISH – THE OUTSIDE SURFACE OF THE CABINET SHALL HAVE A BLACK POWDER COAT FINISH.

ORIENTATION – THE CONTROLLER CABINET DOOR SHOULD OPEN AWAY FROM THE STREET (TO THE SOUTH) SO THE MAINTENANCE PERSONNEL CAN OBSERVE THE LIGHTING CIRCUITS WHILE OPERATING THE CABINET CONTROLS.

REVISIONS	
NAME	DATE

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

MARTIN LUTHER KING JR. DRIVE
LIGHTING IMPROVEMENTS
LIGHTING DETAILS

SCALE: NTS   DRAWN BY: KDM

DATE: APRIL, 2008   CHECKED BY: JMV