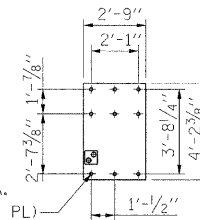


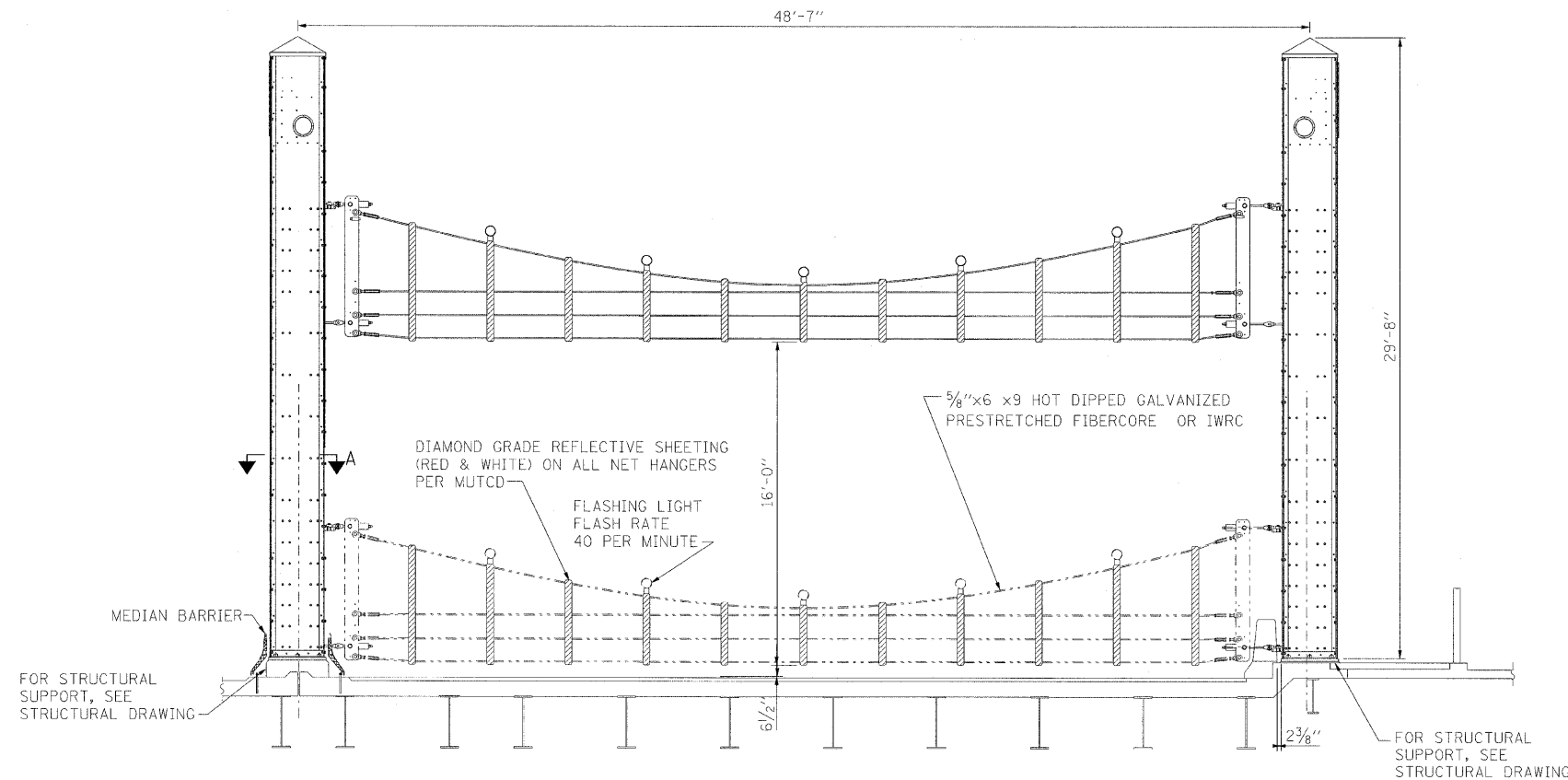
NEW RETRACTABLE BARRIER GATE PLAN

SCALE: 1/4"=1'-0"



PROVIDE 1 5/8" DIA. ANCHOR BOLTS (9 PL)

SECTION A-A  
NOT TO SCALE



NEW RETRACTABLE BARRIER GATE ELEVATION (PROPRIETARY COMPONENT)

(LOOKING EAST)  
(SOUTHWEST FIXED SPAN SHOWN, - NORTHEAST FIXED SPAN SIMILAR)  
SCALE: 1/4"=1'-0"

**DESIGN PERFORMANCE LEVELS:**

ENERGY DISSIPATION-231,000 FOOT-POUNDS  
DECELERATION OF 1800 POUND VEHICLE @62 MPH-9.5 G'S  
RESULTING OCCUPANT IMPACT VELOCITY FOR 1800 POUND VEHICLE @62 MPH-25 FEET/SEC  
RESULTING STOPPING DISTANCE FOR 1800 POUND VEHICLE @62 MPH-MAXIMUM 32 FEET  
SAFETY NET VERTICAL TRAVEL SPEED- 1 FT PER SECOND

**DESIGNED CLEARANCE:**

HORIZONTAL ROADWAY CLEARANCE ( CURB TO MEDIAN BARRIER) 44'-4 3/8"  
VERTICAL ROADWAY CLEARANCE- 16 FT

**NOTES:**

1. FOR GENERAL MECHANICAL NOTES, SEE SHEET M-01.
2. REMOVE ALL EXISTING BARRIER GATE AND ALL ASSOCIATED ASSEMBLIES AND DISPOSE OF OFFSITE.
3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS BEFORE BEGINNING FABRICATION/CONSTRUCTION. ALL FIELD MEASUREMENTS SHALL BE INDICATED ON SHOP DRAWINGS.
4. FOR MOUNTING DETAIL, SEE STRUCTURAL DRAWINGS.
5. BARRIER GATE SHALL BE LOKRAN RETRACTABLE BARRIER GATE TYPE OR APPROVED EQUAL.
6. WORK THIS DRAWING, WITH SHEET M-28.
7. CONTRACTOR TO FIT NEW GATES, BY REMOVING EXISTING BARRIER POST AND TOP CAP AT GATE LOCATIONS.

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

USER NAME = shanna  
FILE NAME = D160d61-shr-mec-25.dgn  
PLOT SCALE = NONE  
PLOT DATE = 5/7/2009

DESIGNED - E. BASU  
DRAWN - V. LEVIT  
CHECKED - D. NYARKO  
DATE - MAY 8, 2009

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BARRIER GATE REPLACEMENT**

SCALE: AS SHOWN SHEET NO. M-25 OF M-27 SHEETS STA. 379+06.09 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	269
CONTRACT NO. 60D61			ILLINOIS FED. AID PROJECT	