

SECTION THRU PEDESTRIAN STRUCTURE

# 11 ¾" x 9" x 9" LAMP STANDARD BASE PLATE 11 11 7½" DIA. BOLT CIRCLE 1½" DIA. GALV. STEEL CONDUIT OR HEAVY VALL P.V.C. CONDUIT HANDHOLF C/L OF LAME 11 0 11 11

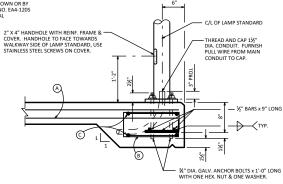
#### PLAN AT LAMP STANDARD

BAR STEEL REINFORCEMENT AT EACH LAMP STANDARD.

A 4 - #5 BARS 4'-6" LONG

(B) 2 - #4 BARS 4'-3" LONG

© 2 - #4 BARS 5'-9" LONG



SECTION A-A

### **NOTES**

STEEL RAILS, POSTS, HANDRAILS AND SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40).

ALL POSTS, INCLUDING LIGHT POLES, SHALL BE SET VERTICAL. SPACE ALL POSTS OF 9'-0" HIGH FENCE OPPOSITE EACH OTHER TO PERMIT SQUARE PLACEMENT OF CROSS RAILS.

MAXIMUM SPACING FOR CROSS RAILS SHALL BE AT ALTERNATE POSTS. ALL END POSTS SHALL HAVE CROSS RAILS.

HANDRAILS SHALL BE CONTINUOUS EXCEPT AT EXPANSION JOINTS WHERE ENDS SHALL BE CAPPED.

WASHERS, HEX NUTS AND ANCHOR BOLTS FOR LIGHT POLES SHALL BE GALVANIZED AND SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STRUCTURAL STEEL CARBON".

GALVANIZED STEEL SHIMS OF  $\frac{1}{6}$ " THICKNESS SHALL BE USED UNDER LAMP STANDARD BASE PLATE WHERE REQUIRED FOR ALIGNMENT. CAULK AROUND PERIMETER OF THIS PLATE AND FILL PORTION OF SLOTTED HOLE AROLIND ANCHOR BOLT IN SHIM. WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

FOR GALVANIZED CONDUIT PROVIDE GROUNDING LUG IN HAND-HOLE. GROUND WIRE FROM LUG TO CONDUIT SHALL BE NUMBER 6 AWG BARE OR WEATHER-PROOF COPPER, SINGLE CONDUCTOR,

SEE STANDARD 30.11 AND 30.40 FOR ADDITIONAL "NOTES".

#### **DESIGNER NOTES**

8'-0" MAXIMUM POST SPACING WITH 9'-0" MAXIMUM FENCE FABRIC HEIGHT WHEN MOUNTED ON CURB OR DECK.

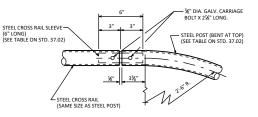
▲ TOP OF HANDRAIL GRIPPING SURFACES SHALL BE MOUNTED BETWEEN 30" AND 34" ABOVE WALKING SURFACE. USE 30" NEAR SCHOOL ZONES.

FENCE HEIGHT, CURVED OR STRAIGHT, MESH SIZE, COATING AND COLOR SHOULD BE COORDINATED WITH THE REGION AND ALL OTHER APPLICABLE AGENCIES. SEE BRIDGE MANUAL SECTION 30.3 FOR ADDITIONAL GUIDANCE

SEE STANDARD 30.11 FOR ADDITIONAL "DESIGNER NOTES" AND DETAILS.

SEE STANDARD 30.40 FOR CURB OR DECK MOUNTED DETAILS.

SEE STANDARD 37.02 FOR FENCE MEMBER SIZES.



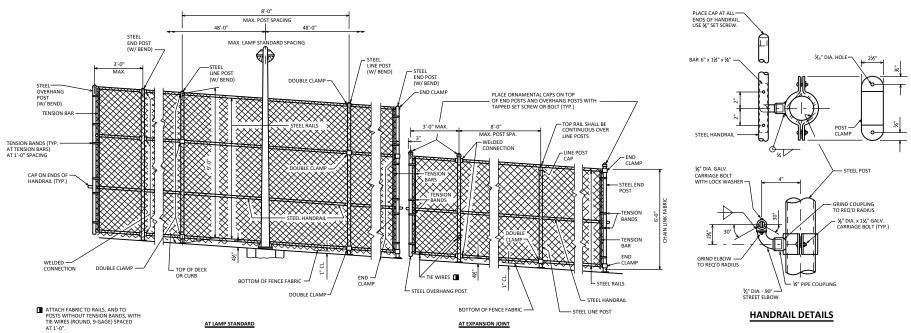
## **DETAIL OF CROSS RAIL AT TOP**

#### **PEDESTRIAN OVERPASS**

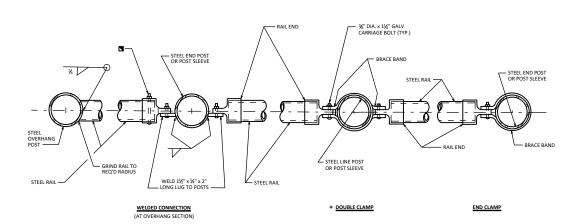


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## **ELEVATION OF FENCE**



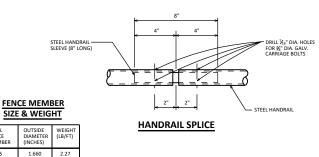
PLAN OF RAILING

■ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION.

ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

NOTE: PLACE ALL BOLT HEADS ON SIDE OF FENCE ADJACENT TO PEDESTRIANS

\* ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP [BOULEVARD] OR 180° BRACE BAND, WHICH MAY BE USED WHEN THE PÖSTS ARE EITHER BOLTED TO THE PÖST SLEEVES OR DIRECTLY WELDED TO THE BASE PLATE. (AS SHOWN ON STANDARD 30.11)



STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)	
RAILS	1.660	2.27	
END POST	2.875	5.80	
OVERHANG POST	2.875	5.80	
LINE POST	2.875	5.80	
HANDRAIL	1.660	2.27	
CROSS RAIL SLEEVE	1.900	2.72	
HANDRAIL SLEEVE	1.315	1.68	
POST SLEEVE	4.000	9.12	

PEDESTRIAN OVERPASS DETAILS



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