DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

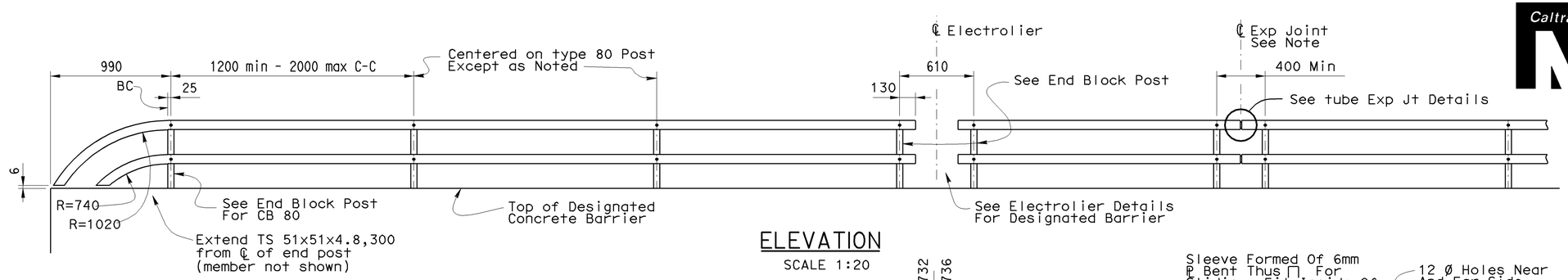
Caltrans Metric

REGISTERED ENGINEER - CIVIL

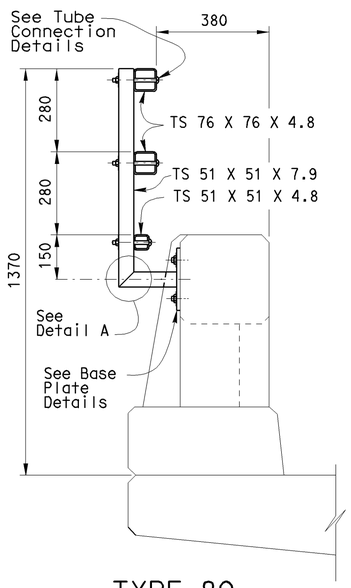
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

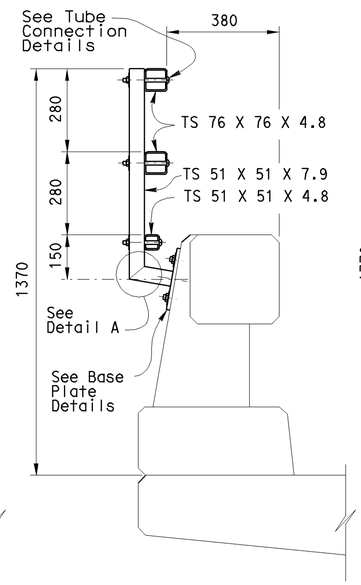
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



ELEVATION
SCALE 1:20



TYPE 80 END BLOCK POST
SCALE 1:10



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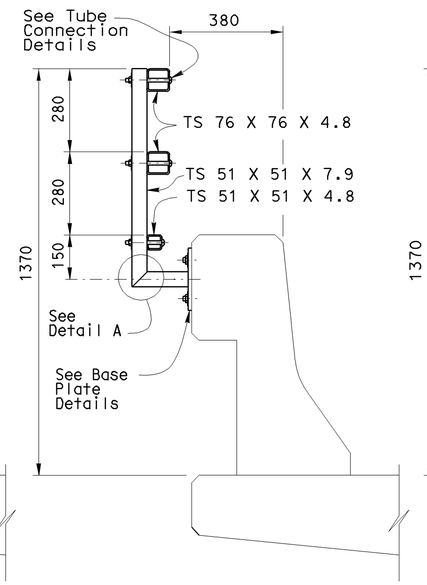

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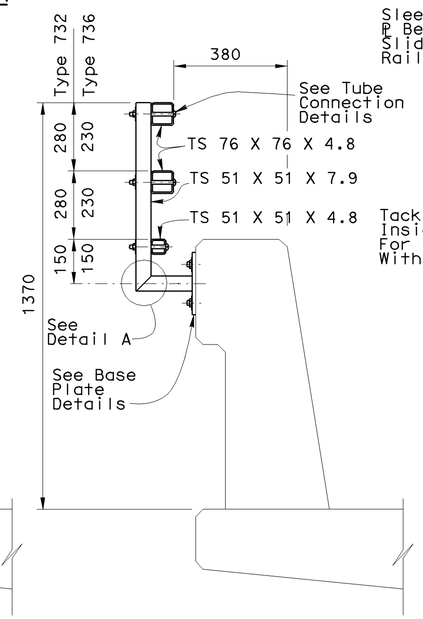
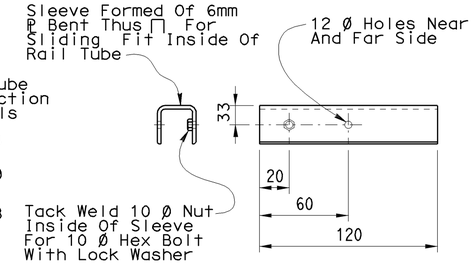
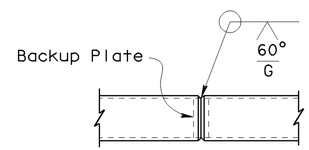
SCALE 1:10



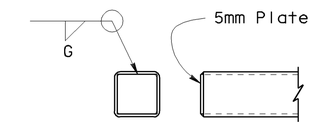
TYPE 732 OR 736
NO SCALE



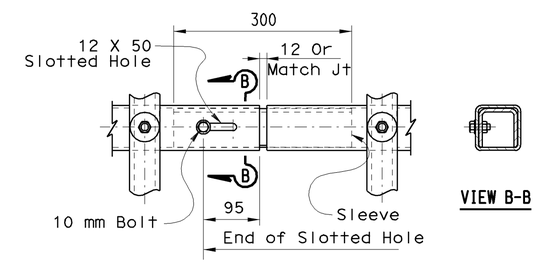
SLEEVE DETAIL
SCALE 1:5



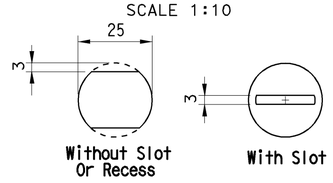
WELDED SPLICE DETAIL
SCALE 1:5



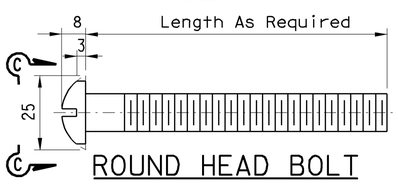
RAIL CAP DETAIL
SCALE 1:5



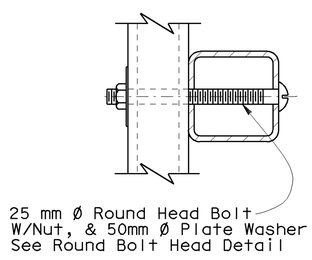
TUBE EXPANSION JOINT DETAILS
SCALE 1:5



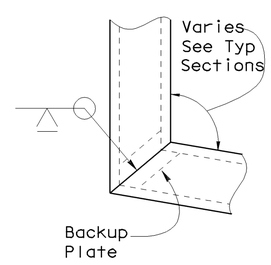
VIEW C-C
SCALE 1:1



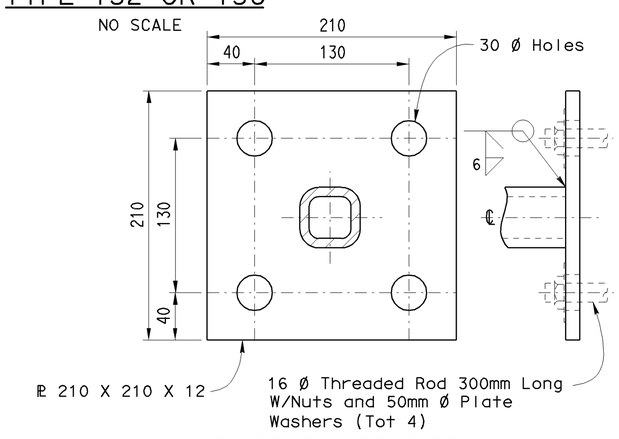
ROUND HEAD BOLT DETAIL
SCALE 1:1



TUBE CONNECTION DETAIL
SCALE 1:2.5



DETAIL A
SCALE 1:2.5



BASE PLATE DETAIL
SCALE 1:2.5

NOTES:

1. Galvanize rail assembly after fabrication.
2. Post shall be normal to railing.
3. Rail tubes shall be shop bent or fabricated to fit horizontal curve when radius is less than 300 m.
4. Tube splices shall be located in the tubes spanning deck or wall joints. Increase joint width in tubes to match expansion joint width and increase sleeve length correspondingly.
5. Top rail tube shall be continuous over not less than two posts except a short post spacing is permitted near deck or wall joints, electroliers, or other rail discontinuities as noted.
6. For details and reinforcement not shown see Standard Plan.
7. See project plans for limits of tubular hand railing.

RELEASE DATE 8/7/06	DESIGN	BY T.Satter	CHECKED NEELIMA PATIL	RELEASED BY
FILE NO. XS16-500	DETAILS	BY HN	CHECKED T.Satter	
	SUBMITTED	BY	DRAWING DATE 08/06	OFFICE CHIEF

DS OSD 2139M (METRIC) (REV. 3/5/97)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

CU EA

BRIDGE NO.

KILOMETER POST

TUBULAR BICYCLE RAILING

BARRIER RAILINGS TYPE 25, 80, 732 & 736

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 1 OF 1

FILE => xs16-500.dgn

USERNAME => hnguyen DATE PLOTTED => 14-AUG-2006 TIME PLOTTED => 12:37

VI=I