



THE BOTTOM OF THE EXPANSION DEVICE CHAIRS ARE DETAILED ABOVE TOP OF DIAPHRAGMS FOR ADJUSTMENT SHIMS. TWO 1/2" THICK SHIMS MARKED MM AND ONE 1/2" THICK SHIM MARKED M12 ARE PROVIDED FOR NORMAL ADJUSTMENT AT EACH CHAIR. AN ADDITIONAL SHIM 1/2" THICK MARKED M10 HAS BEEN PROVIDED FOR EACH CHAIR. IF ADDITIONAL SHIMMING IS NECESSARY, ERECTOR TO USE SHIMS AS REQUIRED.

CHAIRS ARE DETAILED ABOVE TOP OF CHORD ANGLES ON FLOOR BEAM. THE DEAD LOAD DEFLECTION IN FLOOR BEAM AT EACH CHAIR HAS BEEN COMPENSATED FOR. TWO 1/2" THICK SHIMS MARKED M12 AND ONE 1/2" THICK SHIM MARKED M10 ARE PROVIDED FOR NORMAL ADJUSTMENT AT EACH CHAIR. AN ADDITIONAL SHIM 1/2" THICK MARKED M10 HAS BEEN PROVIDED FOR EACH CHAIR. IF ADDITIONAL SHIMMING IS NECESSARY, ERECTOR TO USE SHIMS AS REQUIRED.

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ERECTION PLAN OF EXPANSION DEVICES @ PIERS 3, 6 & 7

TYPE	GRADE SEPARATION FOR M SBARRI PACIFIC R.R.
DATE	PROJECT F. 47 (3) PA. R. 7E 4 SECTION 64-1VP
LOCATION	NORTH OF DUPE, ST. CLAIR COUNTY, ILLINOIS.
DESIGNER	BETHLEHEM STEEL COMPANY
MANUFACTURER	FABRICATED STEEL CONSTRUCTION
DATE	IN CHARGE OF PROJECT, MADE BY: W.A. C. D. 55
CHECKED BY	CHECKED BY: W.S. 5/25/55 TRACED BY: LAST ASSEMB. NO.
REVISIONS	REVISIONS
SHOP NO.	CONTRACT C. 63364-1

FOR INFORMATION ONLY

FILE NAME =	USER NAME = tharpr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STEEL SHOP DRAWINGS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw_work\pwwdot\tharpr1\dms71738\0876892-shr-fab-plans.dgn		DRAWN -	REVISED -		312	64-1VBR	ST. CLAIR	259	169				
PLOT SCALE = 50.0000 1/ IN.		CHECKED -	REVISED -		SCALE: N/A	SHEET NO. OF 67 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					
PLOT DATE = 5/17/2010		DATE -	REVISED -		CONTRACT NO. 76882								