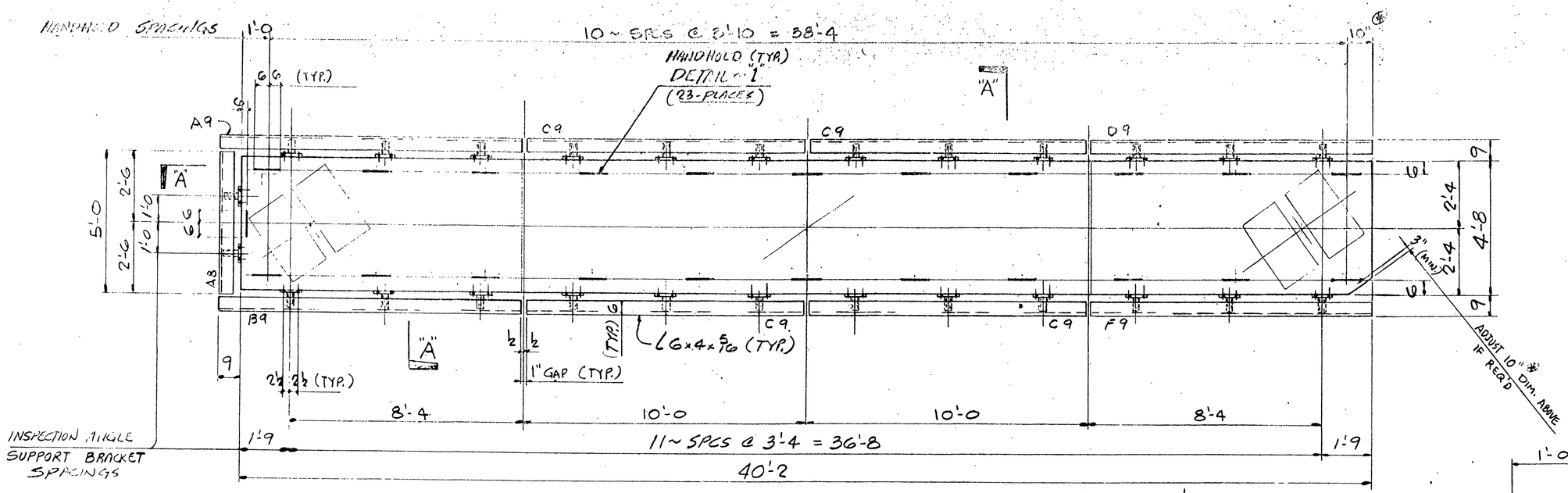
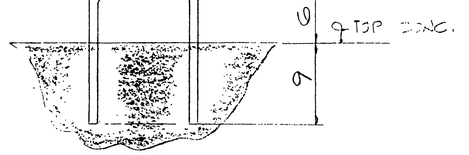
AS BUILT DRAWINGS

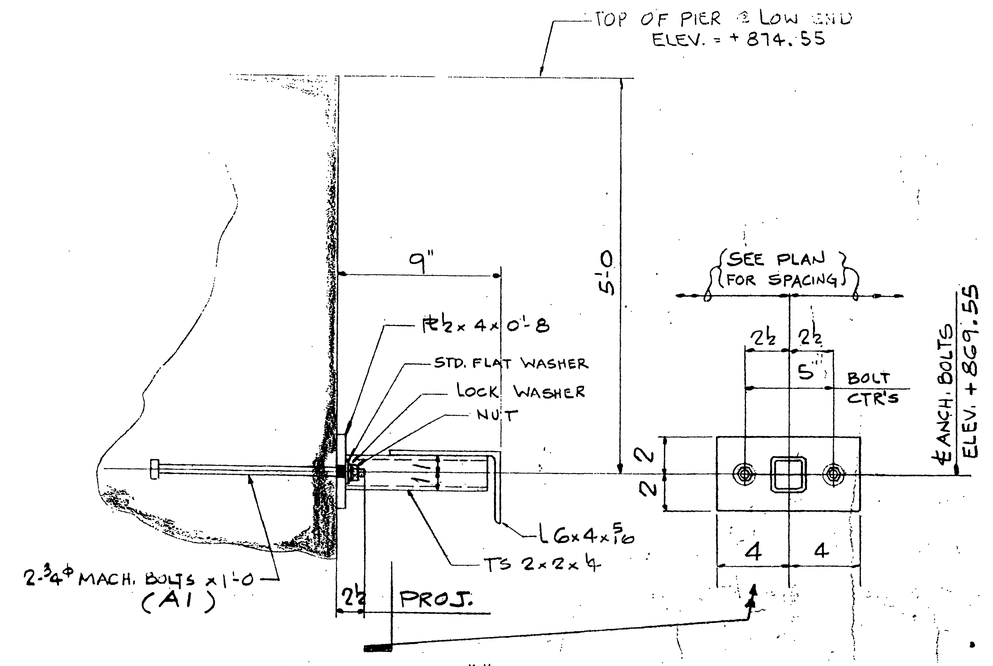


INSPECTION FACILITIES PLAN

NORTH



DETAIL ~ "1"
(23-PLACES)



SECTION ~ "A"

NOTE:
ALL MATERIAL THIS SHEET TO BE GALVANIZED.

NO.	BY	DATE	DESCRIPTION
			REVISIONS

HOLES: UNLESS NOTED | REF:
SURFACE PREP.
SHOP PAINT
DESCRIPTION: INSPECTION FACILITIES PLAN & DETAILS
STRUCTURE: A.T.&S.F. CENTRAL AVE UNDERPASS; BRIDGE 11.82
PROJECT: 06791 SOUTHERN CA. COMMUTER PROJECT
LOCATION: RIVERSIDE, CA.
CUSTOMER: ATCHISON, TOPEKA & SANTA FE RAILWAY
ARCHITECT: HDR ENGINEERING, INC.

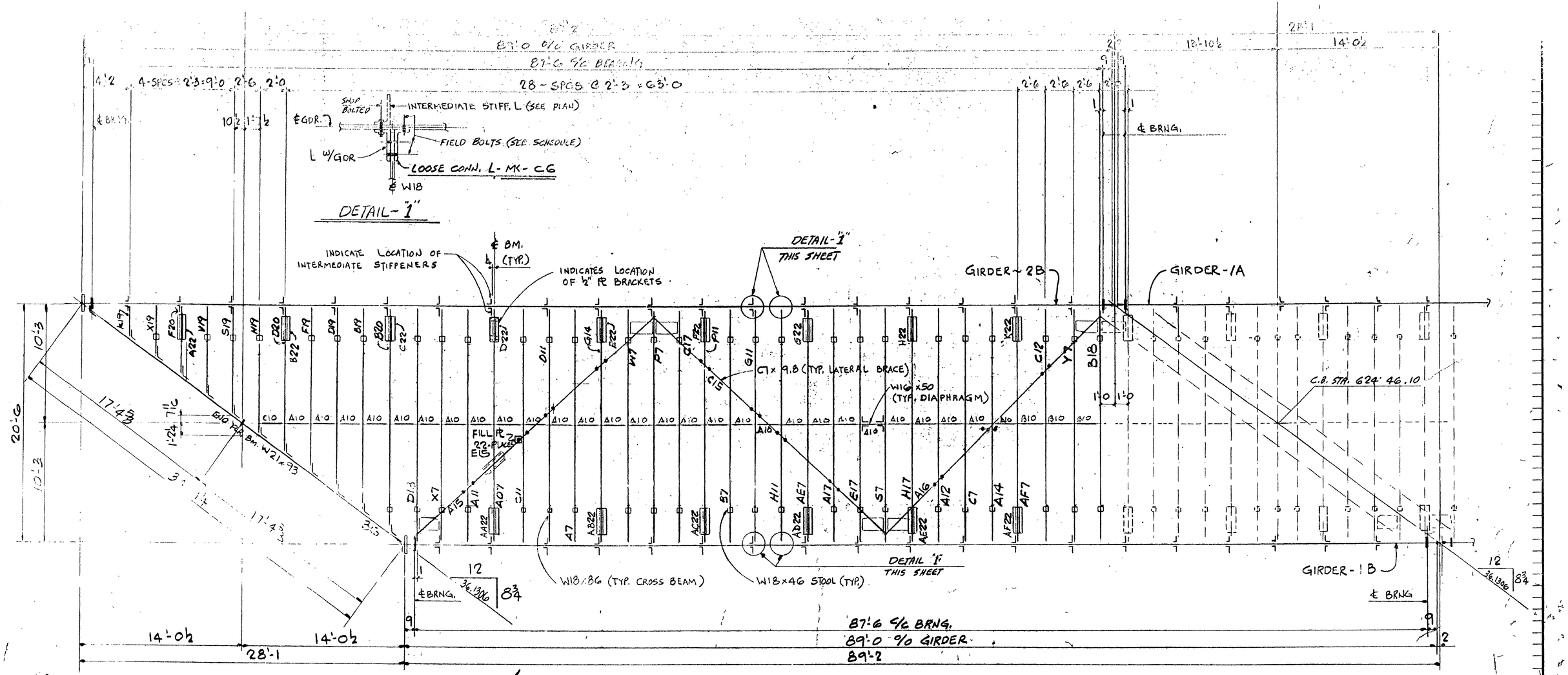
Grand Junction Steel
GRAND JUNCTION, COLORADO R-3595

DRAWN BY: AFD	DATE: 3-95	W.O. 10082	
CHECKED BY: IRA	DATE: 3-95	SHEET NO. E1	REV.
APPROVED BY:	DATE:		

INDEXED 8-8-2000 GH

BRUNING 40-21 67275-J

AS BUILT DRAWINGS



FRAMING PLAN (SPAN # 2)

NOTE: ALL BOLTS ARE 7/8 A325 TYPE 3 WASHER & NUT PROVIDED W EACH BOLT. } TYP. HEX HD. FIELD BOLT LIST FBL-1"

CONNECTIONS			BOLT LIST DESCRIPTIONS					
NO. OF CONN'S	NO. BOLTS EA. CONN.	DESCRIPTION	TOTAL QTY.	DIAM.	LGTH	BOLT GRADE TYPE	WASHER TYPE	GRIP
36	19	BRACKET TO L8x4x½	684	7/8	2¼	A325-3	3	1"
38	18	BRACKET TO W18x86	684	↑	2¾	↑	↑	1⅜
150	3	L8x4x¾ (W18x83) TO GIRD.	450		2¾			1½
150	6	W18x86 TO ⅞	900		3¼			2
22	10	W18x86 TO W21x93	220		2½			1 3/16
2	10	W21x93 TO BRG PL	20		3½			2⅛
2	10	W21x93 TO 8" BRG PL	20		4			2⅜
156	2	L4x4x⅜ TO W16x50	312		2½			1⅛
2	8	W16x50 TO W18x86	16		2¼			⅞
77	8	do	616		2½			1¼
6	5	W18x86 TO BRG PL	30		3¼			2
118	4	W18x46 STOOL TO W18x86	472		2¾			1⅛
16	9	C7 BRACE TO W18x86 @ PL	144		2½			1⅛
30	2	C7 BRACE @ 18x86	60	↓	2¾	↓	↓	1 5/16
2	19	BRKT TO ½ STIFF	38	7/8	3¼	A325-3	3	2
2	1	C7 [illegible]	2		2¾			1⅜
2	2	do	4	do	2¾	do	do	do

HOLES:	UNLESS NOTED REF:
SURFACE PREP.	
SHOP PAINT	
DESCRIPTION:	FRAMING PLAN (SPAN #2)
STRUCTURE:	A.T.&S.F. CENTRAL AVE UNDERPASS, BRIDGE 11-82 PROJECT: 06791 SOUTHERN CA. COMMUTER PROJECT
LOCATION:	RIVERSIDE, CA.
CUSTOMER:	ATCHISON, TOPEKA & SANTA FE RAILWAY
ARCHITECT:	HDR ENGINEERING, INC.

Grand Junction Steel
GRAND JUNCTION, COLORADO R-3595

DRAWN BY: AFO	DATE: 3-95	W.O. 10082	
CHECKED BY: IRA	DATE: 3-95	SHEET NO. E2	REV.
APPROVED BY:	DATE:		

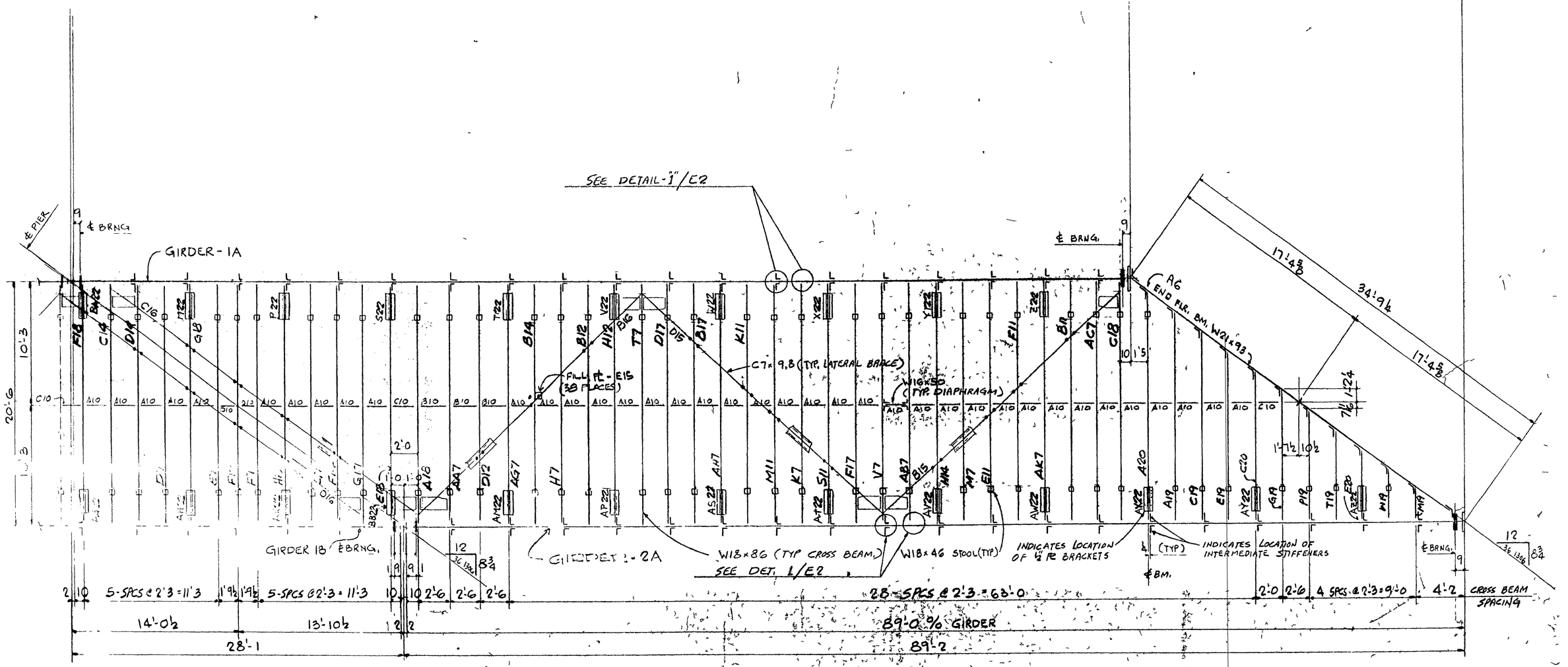
NO. BY DATE DESCRIPTION REVISIONS

APPROVED FOR FABRICATION

INDEXED 8-8-2000 GH

BRUNING 40-21 67275-1

AS BUILT DRAWINGS



FRAMING PLAN (SPAN # 1)

HOLES	UNLESS NOTED / REF
SURFACE PREP	
SHOP PAINT	
DESCRIPTION	FRAMING PLAN (SPAN # 1)
STRUCTURE	A.T.&S.F. CENTRAL AVE UNDERPASS BRIDGE 11.82 PROJECT 06781 SOUTHERN CA. COMMUTER PROJECT
LOCATION	RIVERSIDE, CA.
CUSTOMER	ATCHISON, TOPEKA & SANTA FE RAILWAY
ARCHITECT	HDR ENGINEERING, INC.

REVISIONS: NO | BY | DATE | DESCRIPTION

Grand Junction Steel

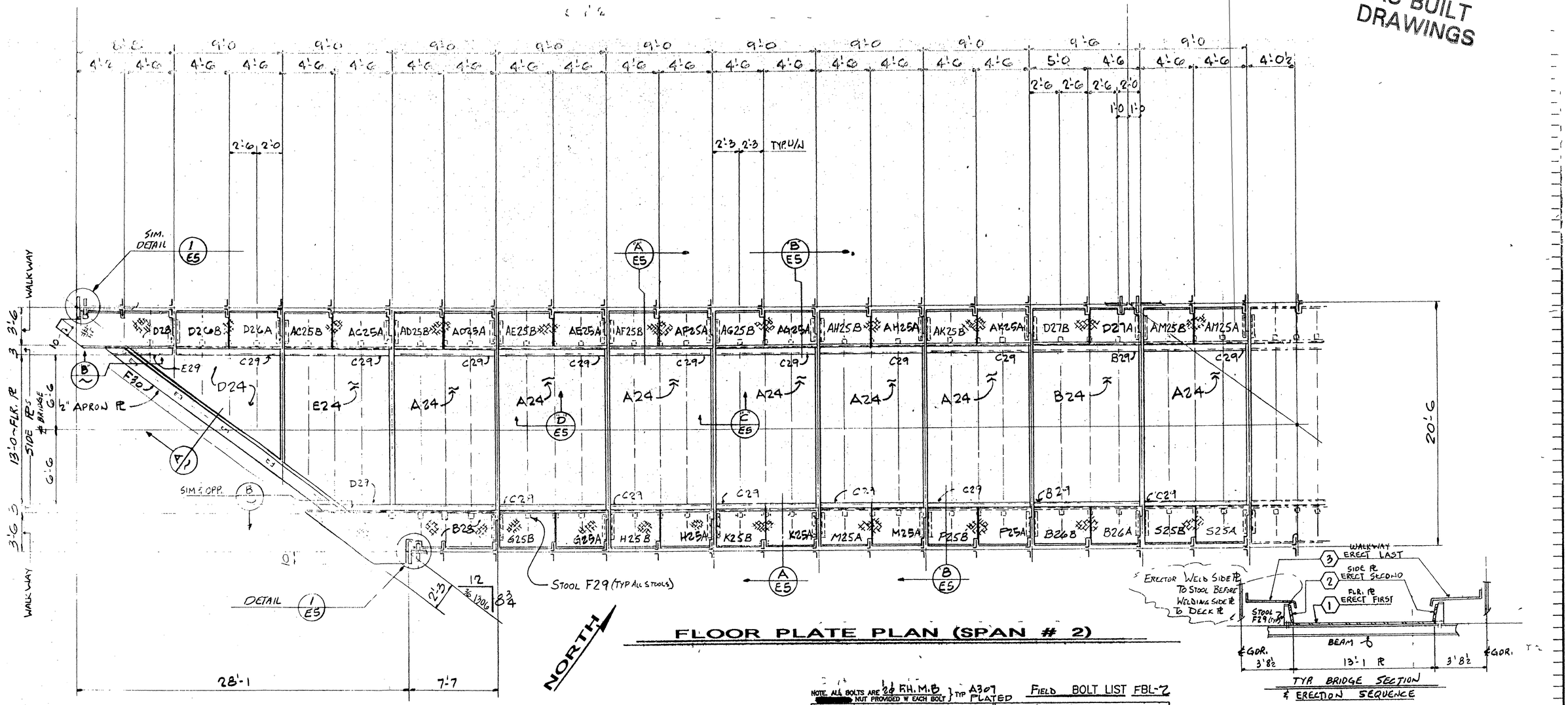
GRAND JUNCTION COLORADO R-3595

DRAWN BY: AFB	DATE 3-95	W O 10082	
CHECKED BY: IRA	DATE 3-95	SHEET NO E3	REV
APPROVED BY	DATE		

INDEXED 8-8-2000 LH

BRUNING 40-21 67275-1

AS BUILT DRAWINGS



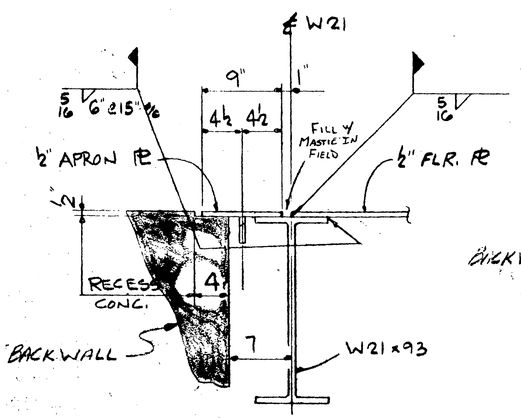
FLOOR PLATE PLAN (SPAN # 2)

TYP BRIDGE SECTION & ERECTION SEQUENCE

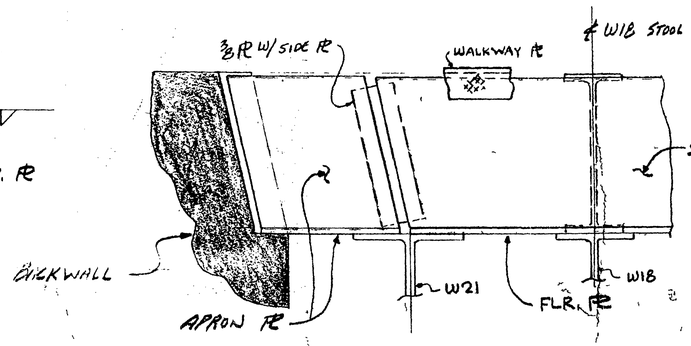
NOTE. ALL BOLTS ARE 24 F.H.M.B } TYP A307 PLATED NUT PROVIDED W EACH BOLT

FIELD BOLT LIST FBL-2

CONNECTIONS			BOLT LIST DESCRIPTIONS					
NO. OF CONNTS	NO BOLTS EA. CONN.	DESCRIPTION	TOTAL QTY	DIAM.	LGTH	BOLT GRADE TYPE	WASHER TYPE	GRIP
		CHKD PL To L	904	24	1½	A307	NONE	¾
		CHKD PL TO STOOLS	836	24	2¼	A307	NONE	1½



SECTION ~ "A"



SECTION ~ "B"

INDEXED 8-8-2000 GH

NO	BY	DATE	DESCRIPTION
2	GB	5-10	ADD'D CHKD PLS & PL MK. (SEE SHT 2)
1	GB	5-23	ADD'D SIDE PL & BM STOOL

REVISIONS

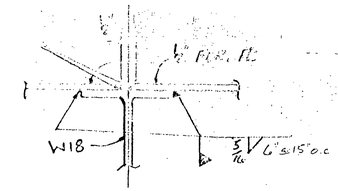
HOLES	UNLESS NOTED REF
SURFACE PREP	
SHOP PAINT	
DESCRIPTION	FLOOR PLATE PLAN (SPAN # 2)
STRUCTURE	A.T.&S.F. CENTRAL AVE UNDERPASS, BRIDGE 11.82
	PROJECT: METRO SOUTHERN CA COMMUTER PROJECT
LOCATION	RIVERSIDE, CA.
CUSTOMER	ATCHISON, TOPEKA & SANTA FE RAILWAY
ARCHITECT	HDR ENGINEERING, INC

Grand Junction Steel
GRAND JUNCTION, COLORADO R-3595

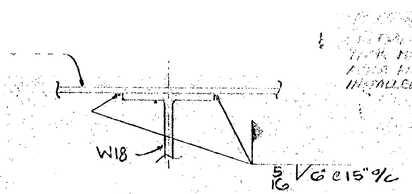
DRAWN BY	AFD	DATE 4-95	WO 10082
CHECKED BY	ZRA	DATE 4-95	SHEET NO E4
APPROVED BY		DATE	REV 2

APPROVED FOR FABRICATION

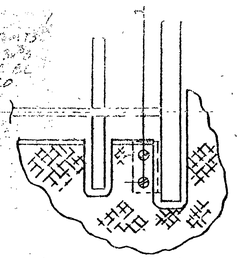
AS BUILT DRAWINGS



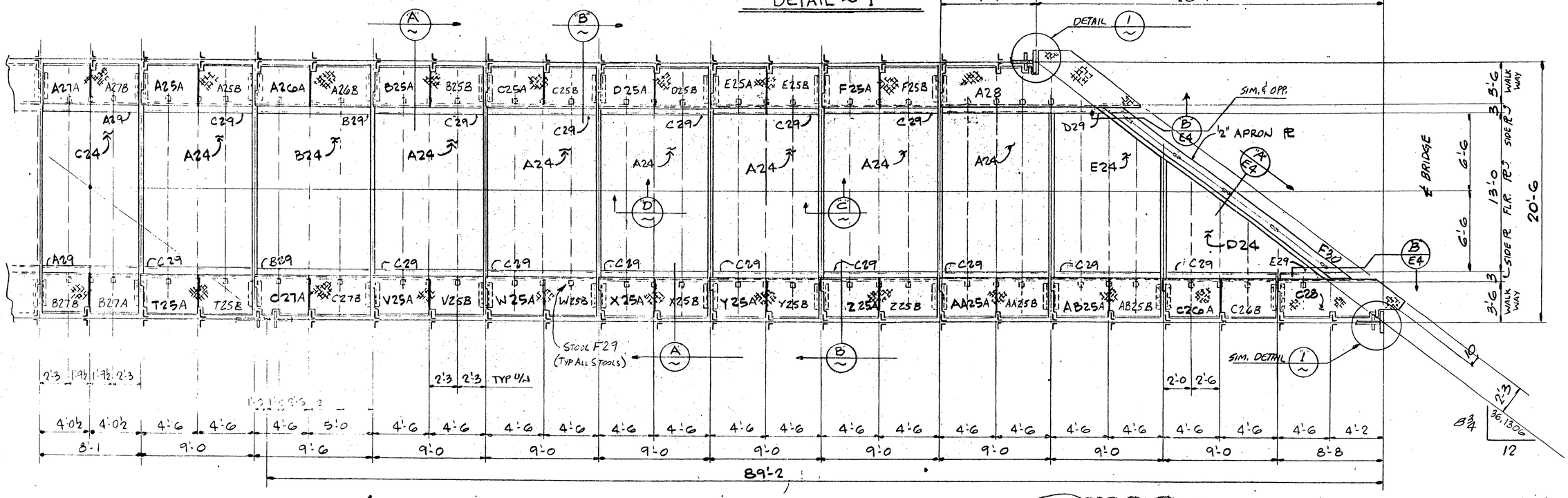
SECTION ~ "C"



SECTION ~ "D"

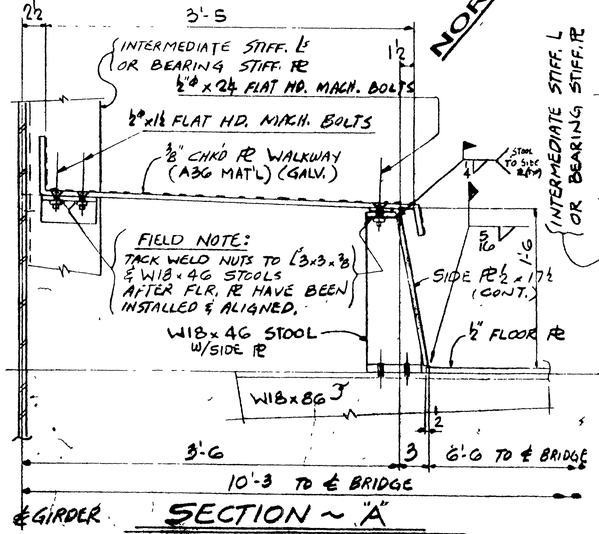


DETAIL ~ "1"

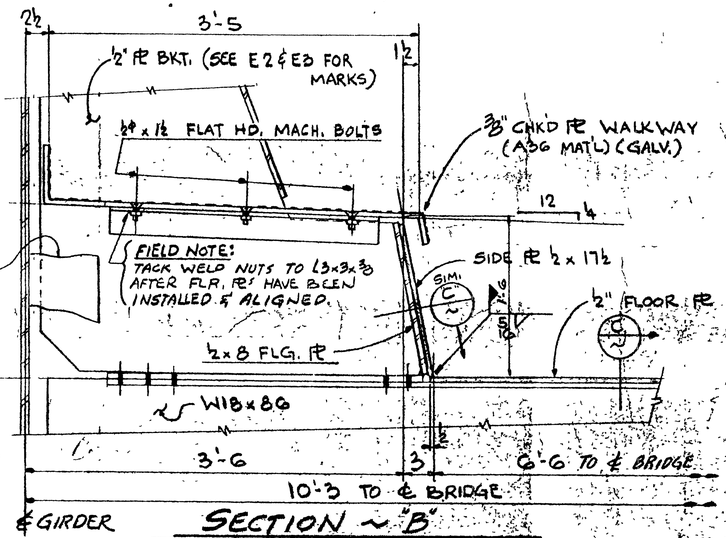


NORTH

FLOOR PLATE PLAN (SPAN # 1)



SECTION ~ "A"



SECTION ~ "B"

ERECTOR NOTE:
SEE TYP. BRIDGE SECT. ON SHEET E4 FOR ERECTION SEQUENCE OF FLR. PL, SIDE PLS & WALKWAY.

INDEXED 8-8-2000 LH

NO	BY	DATE	REVISIONS
4	AFD	5-23	ADDED PLATE STOOLS AT ℄ BRG. REVISED DIM. AT ℄ BRG.
3	AFD	5-10	ADDED CHK. PL PL MARK EXCEPT <E5
2			
1			

HOLES UNLESS NOTED	REF
SURFACE PREP	
SHOP PAINT	
DESCRIPTION	FLOOR PLATE PLAN (SPAN #1)
STRUCTURE	A.T.&S.F. CENTRAL AVE UNDERPASS, BRIDGE 11.82
	PROJECT: 06791 SOUTHERN CA. COMMUTER PROJECT
LOCATION	RIVERSIDE, CA.
CUSTOMER	ATCHISON, TOPEKA & SANTA FE RAILWAY
ARCHITECT	HDR ENGINEERING, INC.

Grand Junction Steel
GRAND JUNCTION, COLORADO R-3595

DRAWN BY: AFD	DATE: 4-95	W.O. 10082	
CHECKED BY: ERA	DATE 4-95	SHEET NO. E5	REV 4
APPROVED BY	DATE		

ISSUED FOR FABRICATION