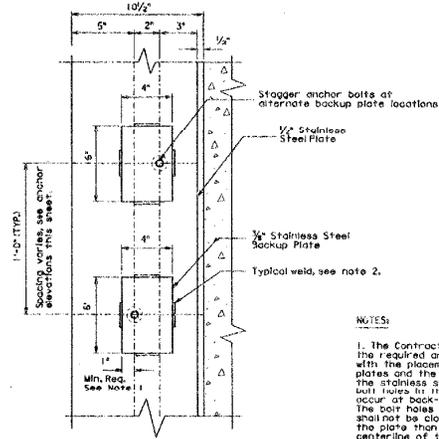


DOWNSTREAM PLATE DETAIL

(See Section 1, Sht. S-1 for location)

SCALE: 3 INCHES = 1 FOOT

1/2" min diameter stainless steel expansion anchor with 3" minimum embedment in existing sound concrete. See elevations listed on sht. S-1 for anchor locations in the downstream plate. See sht. S-1, Note 3 for construction alternative.



SECTION A
S-1A | S-1A SCALE: 3 INCHES = 1 FOOT

NOTES:

1. The Contractor shall coordinate the required anchor bolt locations with the placement of the backup plates and the splice locations on the stainless steel plate. Oversize cut holes in the 1/2" plate shall only occur at backup plate locations. The cut holes in the backup plate shall not be closer to any edge of the plate than 1" measured from the centerline of the hole.
2. Welds shall be in accordance with AWS D1.1 procedures using E308L filler metal.

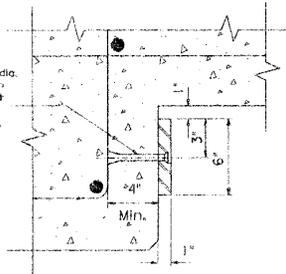
GENERAL NOTES:

1. Plug weld and grind smooth and flush with the bearing plate after aligning the plate and cutting off the excess bolt length. Only carbon steel wheels that have never been used on carbon steel shall be used for grinding.
2. Grout behind plate after aligning and plug welding the plate.
3. Hole may be field reamed along one axis to make an elongated hole not to exceed 3/4" x 3/4".
4. See Specification paragraph 5.2.2, Concrete Removal for concrete removal tolerances and concrete roughness requirements.
5. Provide anchor bolts in the upstream plate at the following Elevations:
708.5, 709.5, 710.5, 712.5, 713.5, 714.5, 715.5,
716.75, 717.75, 718.75, 719.75, 722.0, 723.0, 724.0,
725.0, 727.0, 728.0, 729.0, 730.0, 732.0, 733.0, 734.0,
735.0, 737.0, 738.0, 739.0, 740.0, 742.05, 743.05,
744.05, 745.05, 747.05, 748.05, 750.0, 751.0, 752.0,
753.0, 755.25, 756.25

For the downstream plate provide anchors at the same elevations as above except:
Omit anchor at El. 708.5
Add anchor at El. 758.34

If steel reinforcement is encountered in drilling, drilling shall be stopped. The holes shall be filled and the anchors relocated as directed by the Contracting Officer.

Drill and countersink for 1/2" min dia. stainless steel wedge or expansion anchors with 4" minimum embedment in sound concrete, see elevations listed below for anchor locations.



UPSTREAM PLATE DETAIL

(See Section 1, Sht. S-1 for location)

SCALE: 3 INCHES = 1 FOOT

DRAWINGS IN THIS FOLIO
HAVE BEEN REDUCED TO ONE
HALF THE ORIGINAL SCALE

Symbol	Revisions	Date	Approved
	Add revised anchor details and sections	3/28/91	[Signature]
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS KANSAS CITY, MISSOURI			
Designed by:	N.J.P.	OSAGE BEACH, MISSOURI	
Drawn by:	N.J.P.	in Army Corps of Engineers	HARRY S. TRUMAN DAM AND RESERVOIR INSTALLATION OF SPILLWAY STOPLOGS
Checked by:	T.O.W.	Scale:	AS SHOWN
Submitted by:	T.O.W.	Date:	MARCH 1991
		Sheet number:	S-1B
		Plot Scale:	1/4"
		Sheet:	114
		Section:	2 (S-1) (170,453)
		Drawn:	DAI/2X108X.DGN