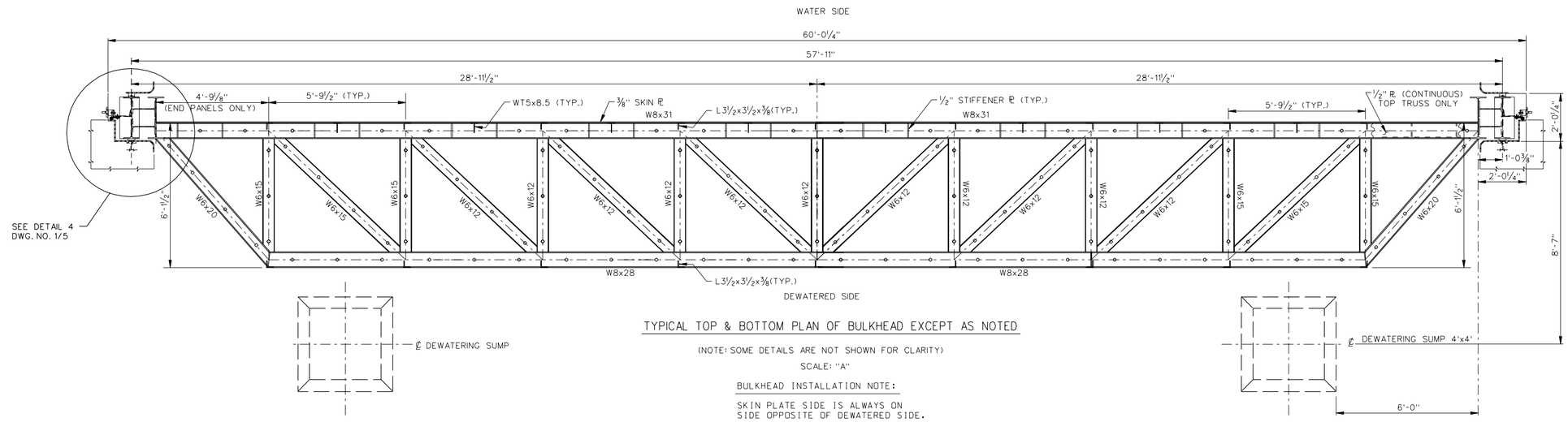


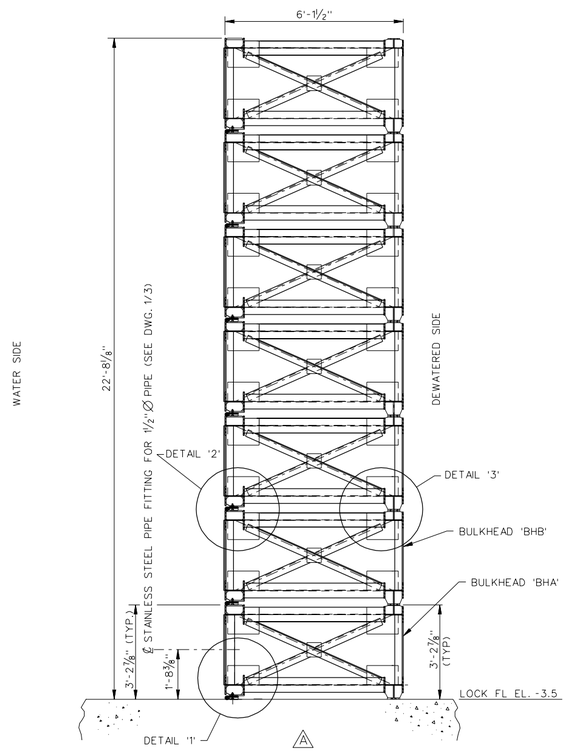
TYPICAL TOP & BOTTOM PLAN OF BULKHEAD EXCEPT AS NOTED

(NOTE: SOME DETAILS ARE NOT SHOWN FOR CLARITY)

SCALE: "A"

BULKHEAD INSTALLATION NOTE:

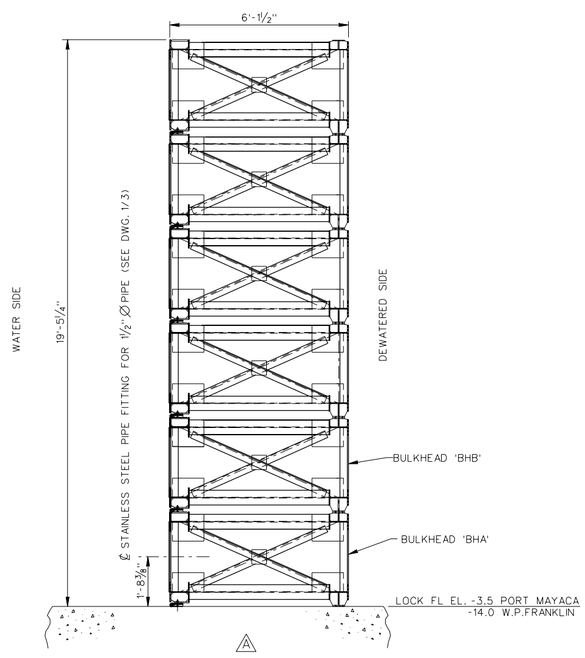
SKIN PLATE SIDE IS ALWAYS ON SIDE OPPOSITE OF DEWATERED SIDE.



TYPICAL ARRANGEMENT OF BULKHEAD

UPSTREAM - PORT MAYACA LOCK

SCALE: "A"



TYPICAL ARRANGEMENT OF BULKHEAD

UPSTREAM AND DOWNSTREAM - W.P.FRANKLIN LOCK

DOWNSTREAM - PORT MAYACA LOCK

SCALE: "A"

NOTES:

1. BULKHEADS ARE DESIGNED FOR HYDROSTATIC LOADING ONLY.
2. THIRTEEN BULKHEADS ARE REQUIRED, WITH TWO MARKED "BHA" AND THE REMAINING ELEVEN MARKED "BHB".
3. FIELD VARIFY DIMENSIONS BEFORE FABRICATION OF THE BULKHEADS.
4. THE BULKHEADS WILL BE USED FOR DEWATERING OPERATIONS AT W.P.FRANKLIN LOCK AND PORT MAYACA LOCK.
5. USE STRUCTURAL STEEL ASTM A 572, GRADE 50, UNLESS OTHERWISE INDICATED.
6. RUBBER SEAL FASTENERS.
   A. BOLTS, ASTM F 593, ALLOY 316.
   B. COUNTERSUNK HEAD BOLTS - ASTM F 879, ALLOY 316
   C. NUTS, MACHINED FROM UNS DESIGNATION S20161 (A NITROGEN STRENGTHENED AUSTENITIC STAINLESS STEEL) FOR USE WITH ABOVE BOLTS.
7. USE FULL LENGTH ¼" FILLET WELDS UNLESS OTHERWISE INDICATED.
8. TEST 20% OF FILLET WELDS BY MAGNETIC PARTICLE TESTING.
9. TEST EACH COMPLETE JOINT PENETRATION BUTT JOINT, BY ULTRASONIC TESTING.
10. TEST FLANGES OF STRUCTURAL MEMBERS FOR LAMINATIONS AT EACH COMPLETE JOINT PENERATION BY ULTRASONIC TESTING.
11. PERFORM ULTRASONIC TESTING ON WELDS DESIGNATED UT.
12. PERFORM MEGNETIC PERTICLE TESTING ON WELDS DESIGNATED MT.
13. PAINT BULKHEADS WITH EITHER COAL-TAR EPOXY SYSTEM NO 6-A-Z OR VINAL SYSTEM NO 3-A-Z. SEE SPECS.
14. USE VULCANIZED SPLICES TO MAKE RUBBER SEALS CONTINUOUS AND WATER TIGHT.
15. SHOP-LINE DRILL SEALS AND BARS.
16. ALL GUSSETS ARE ⅜" THICK.
17. SEE DRAWING 1/6 FOR DETAILS 1, 2 AND 3.

GRAPHIC SCALE

"A" 12" 0 1' 2' 3' 4' 5'

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved
2	△	B-2-1 A-2-1	REVISED TO ACCOMPANY AMENDMENT NO 0001	

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: V.B.
Dwn by: E.E.B
Ckd by: L.B.T.
D.W.P
Inv. No.
Scale: AS SHOWN
Date: OCT 2000
D.O.FILE NO. 400-38,112

File name: LKDB0102.DGN
Reference files: LKDBBRDR.DGN

CENTRAL AND SOUTHERN FLORIDA PROJECT
FOR FLOOD CONTROL AND OTHER PURPOSES
PORT MAYACA AND W.P. FRANKLIN LOCKS
DEWATERING BULKHEADS
GENERAL
TYPICAL PLANS AND ARRANGEMENTS

DRAWING NO.
1/2

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