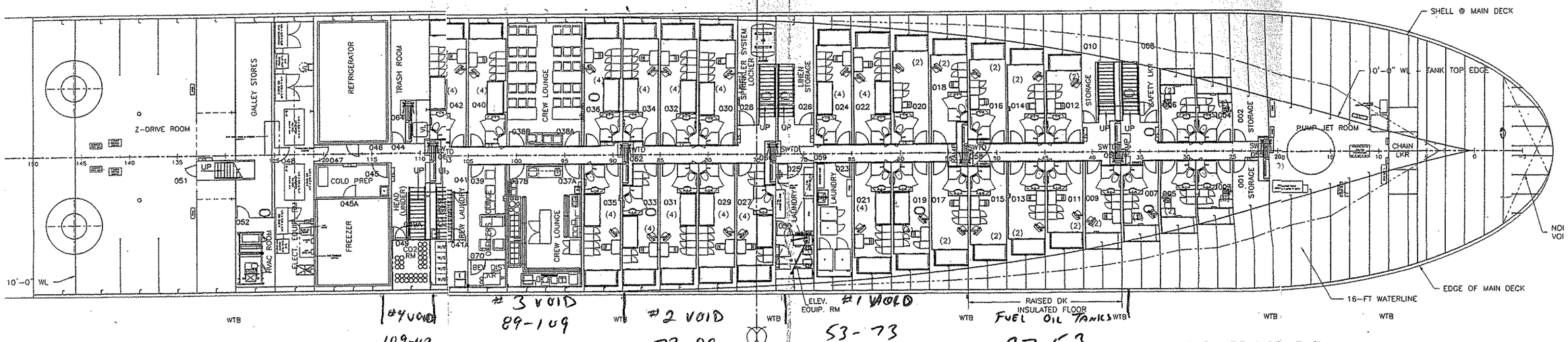
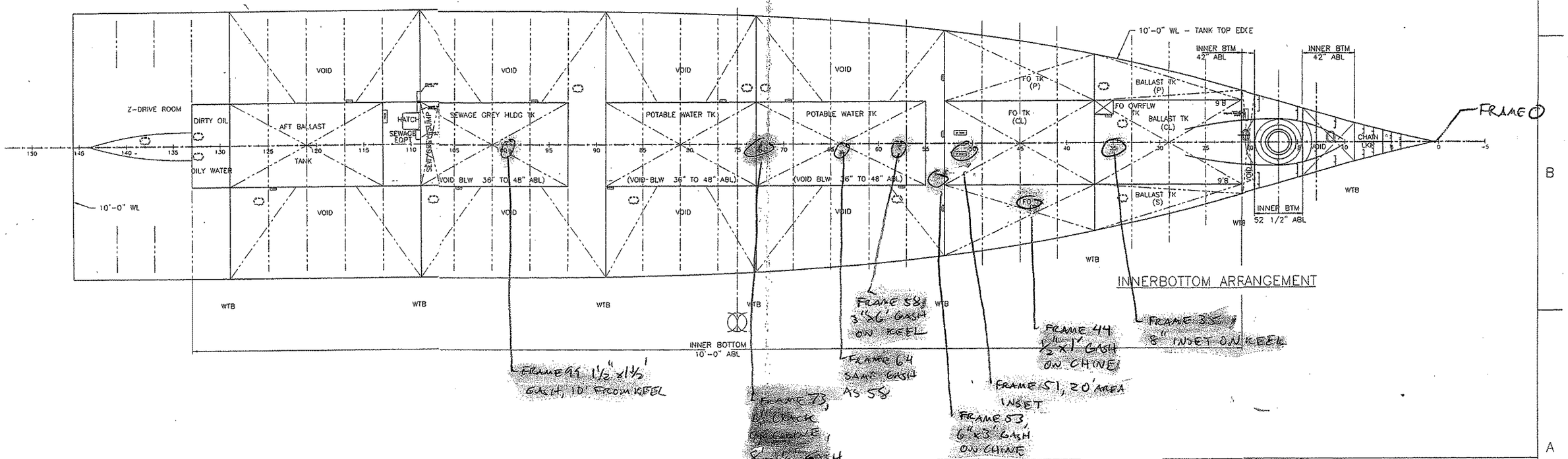
EMPRESS OF THE NORTH VIN: 1140867

15 MAY 2007



HOLD ARRANGEMENT
15 DOUBLE CREW CABINS
15 QUAD CREW CABINS



INNERBOTTOM ARRANGEMENT

FRAME 99 1½" x 1½' GASH, 10' FROM KEEL

FRAME 73, 6" CRACK ON CHINE, 8" x 1½" GASH

FRAME 58 3" x 6' GASH ON KEEL

FRAME 64 SAME GASH AS 58

FRAME 53, 6" x 3' GASH ON CHINE

FRAME 51, 20' AREA INSET

FRAME 44 ½" x 1' GASH ON CHINE

FRAME 35 8" INSET ON KEEL

NICHOLS BROS. BOAT BUILDERS
5400 So. Cameron Rd. Freeland, WA 98249 Whidbey Island Office (360)331-3500 FAX(360)331-7435

REVIEWED BY:	DATE:	
REVIEWED BY: LGH	DATE: 9/30/02	HALF SIZE PRINT
REVIEWED BY: [illegible]	DATE: 10/01/02	

GUIDO PERLA & ASSOCIATES, Inc.
9010 EAST MARGINAL WAY SO., SUITE 300
SEATTLE, WA 98108, USA
Tel: (206) 768-1515, Fax: (206) 768-9700
Email: gpa@gpa.com

TITLE: GENERAL ARRANGEMENTS INNER BOTTOM & HOLD

	COMP. FILE	DWG No.	REV.
D	R80101C	09300-801-01	C

SCALE: 3/32" = 1' - 0" SHEET: 2 OF 5

NOTE:
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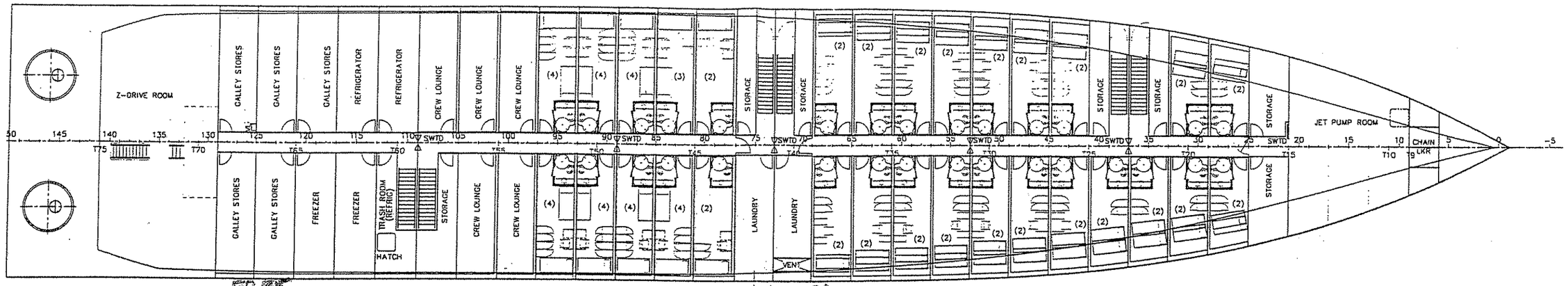
REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED



KEEL SET-UP 6" DEPTH X 8' WIDTH X 8' LENGHT FR 109 WITH POSSIBLE CRACKS IN WAY OF WELDS

FR 95 KEEL & STBD SIDE SET-IN 8" DEPTH X 4' WIDTH X 8' LENGTH 5' OUTBOUND OF KEEL SET-UP 4" DEPTH, NO CRACKS

FR 86 AT KEEL SET-IN 6" X 5' WIDTH NO CRACKS

FR 8 OF FR 79 & 10' OUTBOARD OF ℄ & SET-IN 6" X 5' WIDE X 20' LENGTH NO CRACKS

FR 58 KEEL ON ℄ SPLIT OPEN LONGITUDINALLY OVER 3" WIDTH X 6' LENGTH

KEEL & SET-UP 6"-8" DEPTH X 4' WIDTH FR 35-40

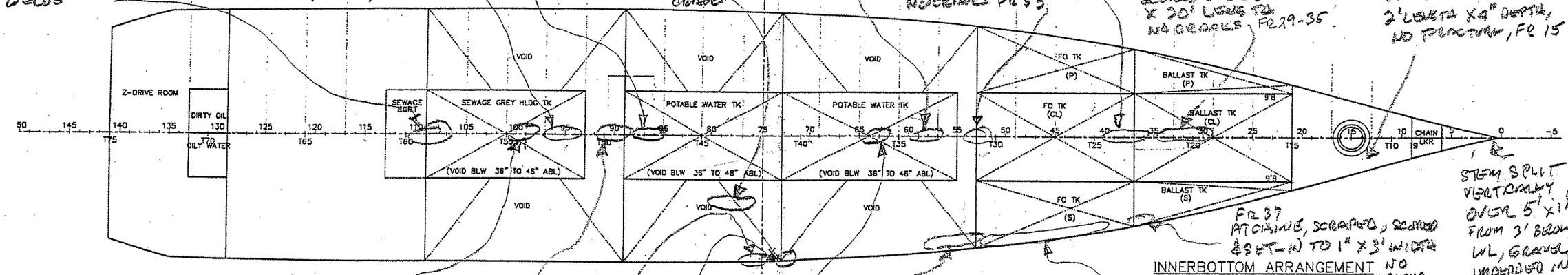
KEEL STBD SIDE SET-IN 1" AND LONGITUDINALLY SCORED OVER 5' WIDTH X 20' LENGTH NO CRACKS FR 29-35

KEEL SCORED NO CRACKS FR 53

STBD SIDE OF TRANSOM OUTBOARD, PLATE HEAVILY SET-IN AND SCORED 2' LENGTH X 4" DEPTH, NO FRACTURE, FR 15

HOLD ARRANGEMENT

22 DOUBLE CREW CABINS
1 TRIPLE CREW CABINS
7 QUAD CREW CABINS



FR 99 KEEL & SET-UP 5" DEPTH X 5' WIDTH WITH 1½" WIDE CRACK X 1½" LENGTH 10' OFF ℄.

KEEL LONGITUDINALLY SCORED, SCORED & SET-UP TO 8" DEPTH X 5' WIDTH X 10' LENGTH FR 89

CHINE & SET-IN 6" WITH A 6" CRACK ON CHINE FR 73

APT OF FR 73 CHINE CRACKED 1½" WIDE X 2' LENGTH

KEEL & CRACK ½" WIDTH X 18" LENGTH FR 64

INBOARD OF CHINE & SET-IN 6" DEPTH X 3' WIDTH X 20' LENGTH FR 52-56 NO CRACK

PLATE AT CHINE SPLIT & OPENED TO ½" MAX INTERMITTENTLY OVER A 30' LENGTH FR 40-53

FR 37 AT CHINE, SCRAPED, SCORED & SET-IN TO 1" X 3' WIDTH NO CRACKS

STEM SPLIT VERTICALLY OVER 5' X 1½" FROM 3' BELOW WL, GRAVEL IMBEDDED IN CRACK FRAME 0'

INNERBOTTOM ARRANGEMENT

DWG	TITLE
2. 95898-801-03	INBOARD PROFILE & MIDSHIP
1. 95898-801-02	OUTBOARD PROFILE

REFERENCES

APPROVALS
USCG
ABS
OWNER
STAMP

PRELIMINARY
NOV 1_ 1998

GUIDO PERLA & ASSOCIATES, Inc.
PACIFIC BUILDING, 720 THIRD AVENUE, SUITE 1200
SEATTLE, WA 98104 Tel: (206) 382-3949 Fax: (206) 382-2090

CLIENT: AMERICAN WEST STEAMBOAT CO, SEATTLE WA.
PROJECT: 315' STERNWHEELER
TITLE: GENERAL ARRANGEMENTS DBLE BOTTOM & HOLD

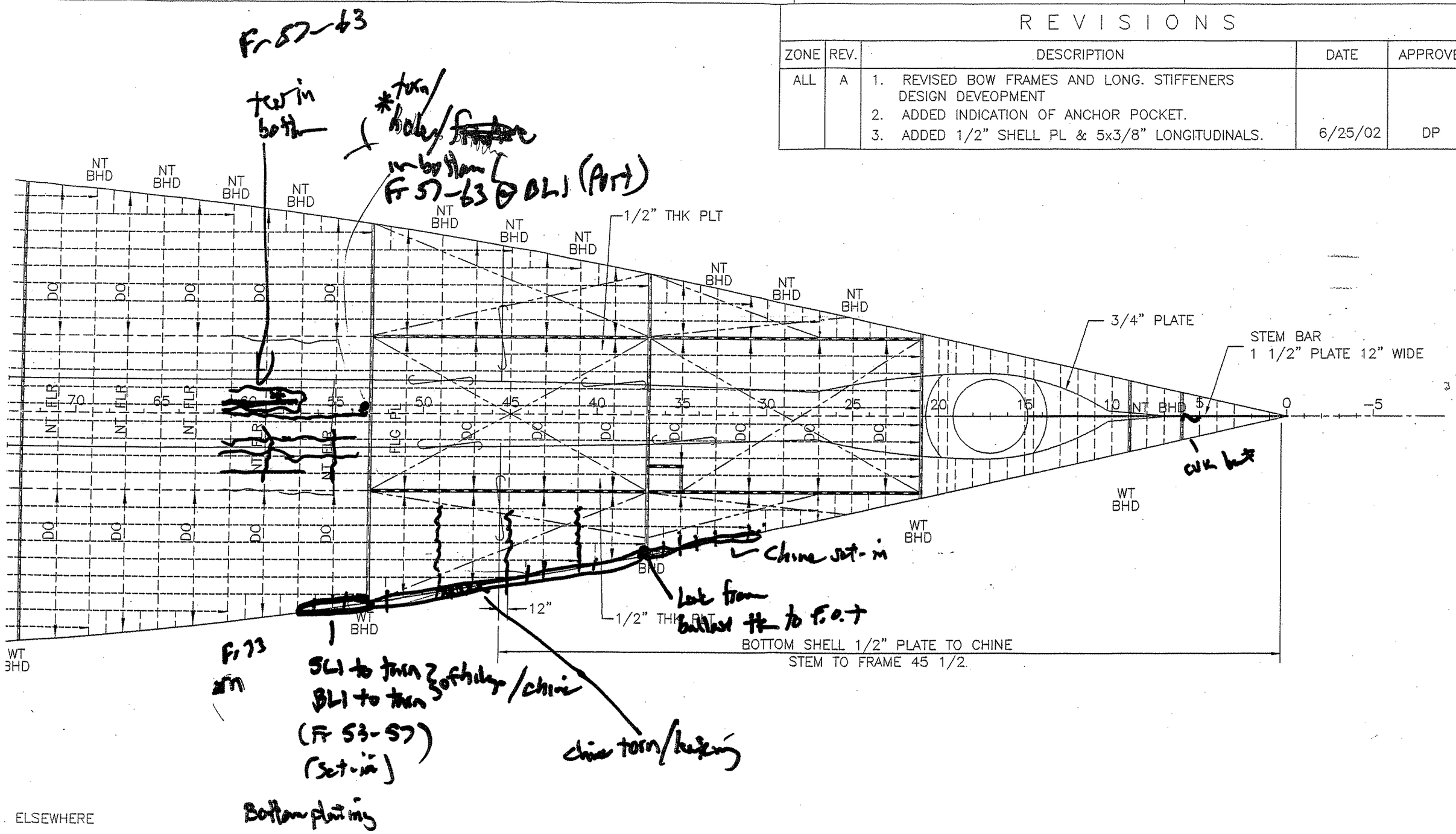
DRN	GPA	DATE 10/13/98		
CKD	GFP	DATE 10/21/98	D	R80101P4	95898-801-01	P4
APPD	—	DATE —		
APPD	—	DATE —	SCALE 3/32" = 1' - 0"	SHEET 1 OF 3

PLOT DATE Wednesday 11th Nov 1998
PLOT TIME 9:07
PLOT BY RHS
FILE DIR R:\95898_A\ARGTS\
FILE NAME R80101P4

4	3	2	1

REVISIONS

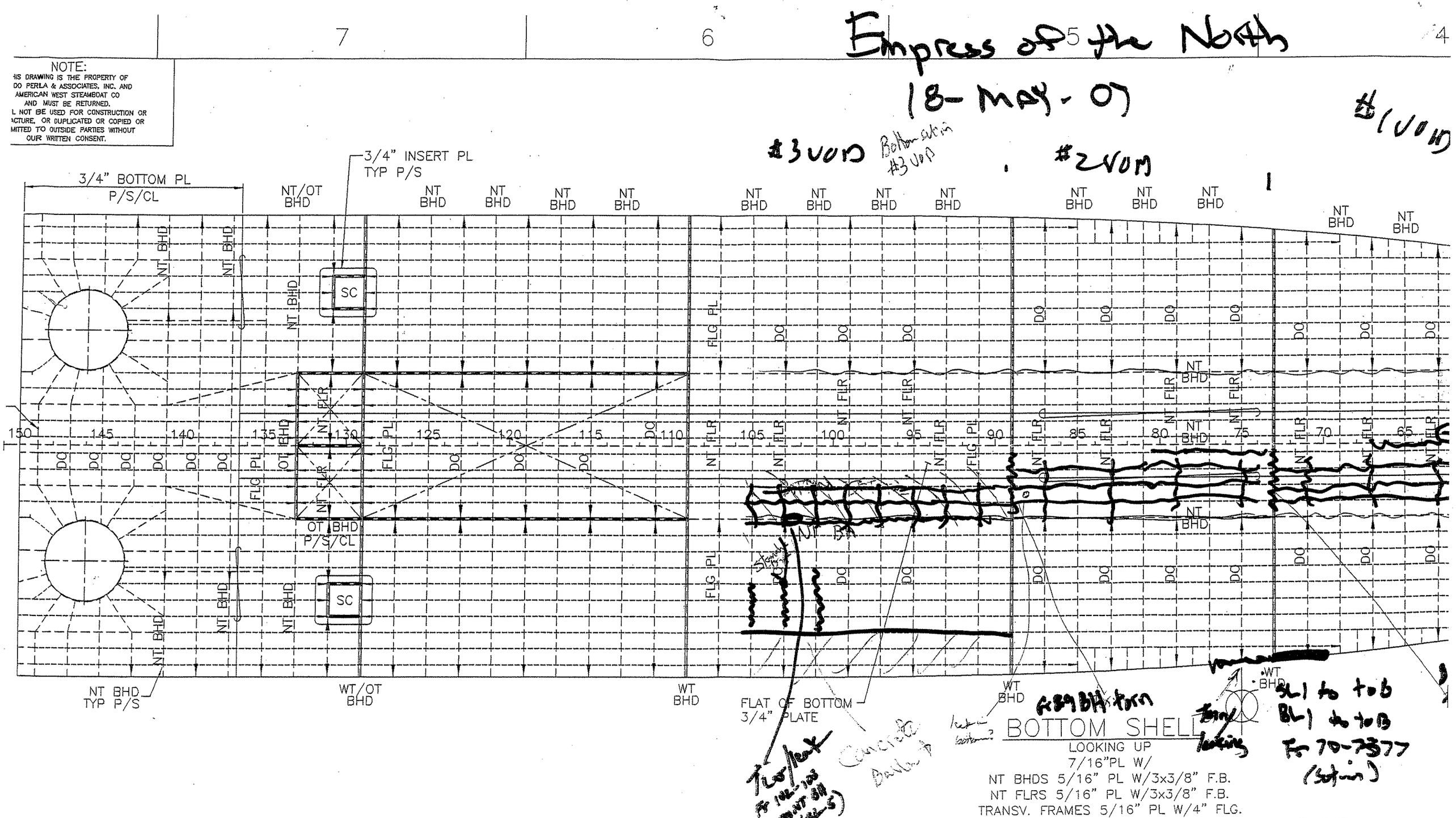
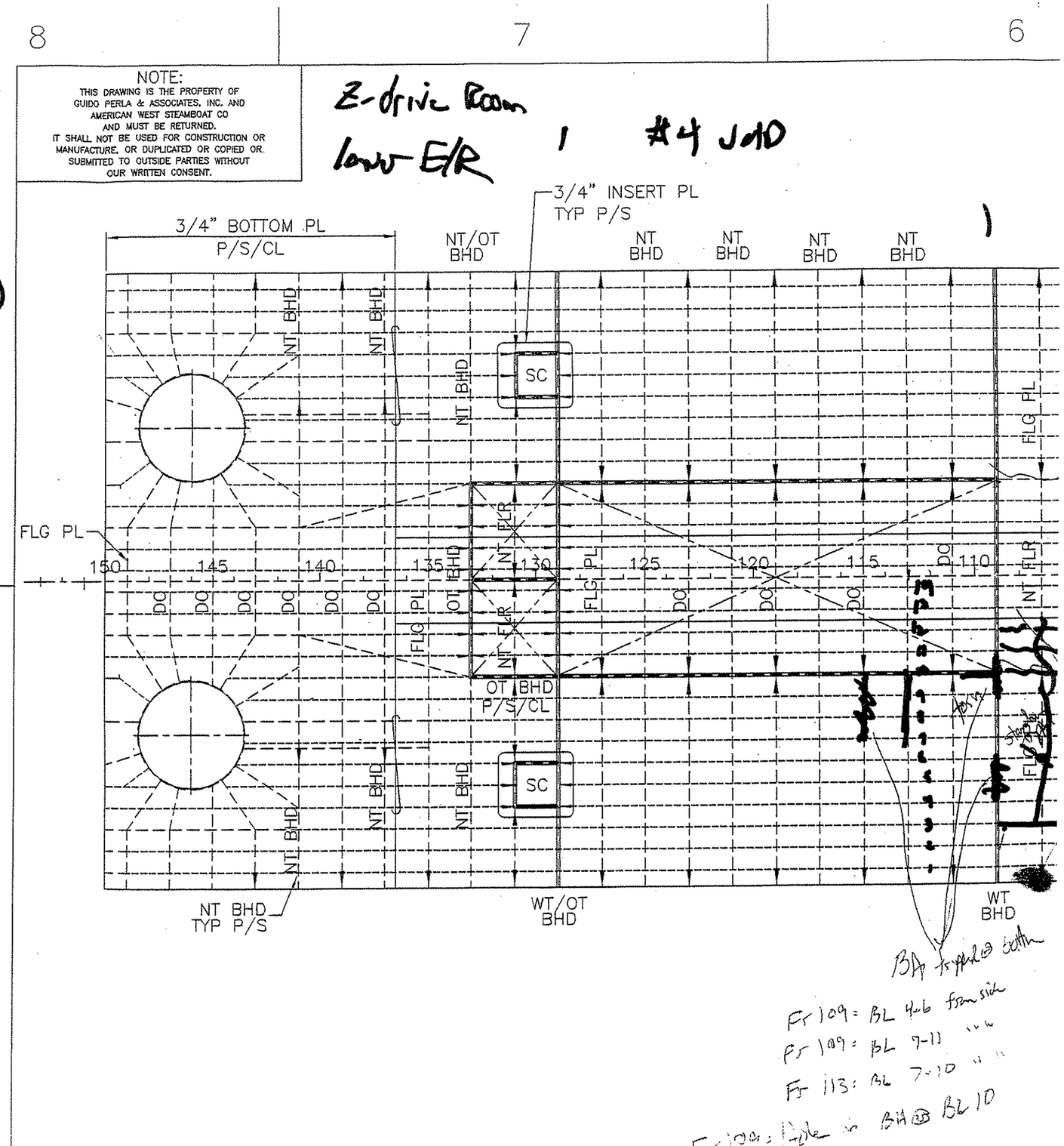
ZONE	REV.	DESCRIPTION	DATE	APPROVED
ALL	A	1. REVISED BOW FRAMES AND LONG. STIFFENERS DESIGN DEVEOPMENT 2. ADDED INDICATION OF ANCHOR POCKET. 3. ADDED 1/2" SHELL PL & 5x3/8" LONGITUDINALS.	6/25/02	DP



ABS Notes

Empress of the North

18-MAY-07



- Bilge system - piping investigation (should not pull 20" vac w/ no head)
- Bilge alarm system - clean j-boxes
- Electrical system in voids - clean j-boxes
- update SMS for groundings to include more expeditious plan for ~~delight~~ dewatering vessel/grounding