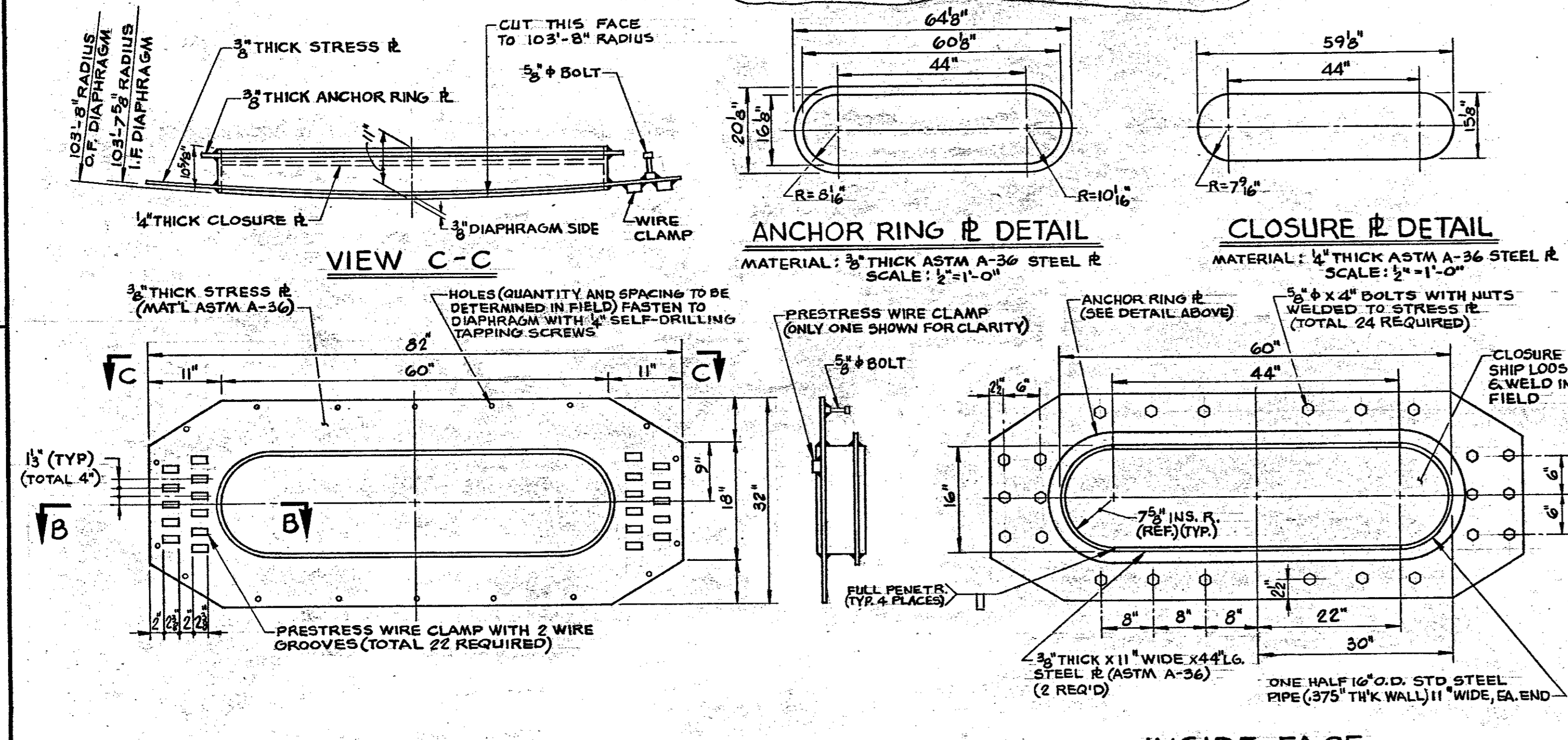


SECTION A-A

TEMPORARY MANHOLE PANEL

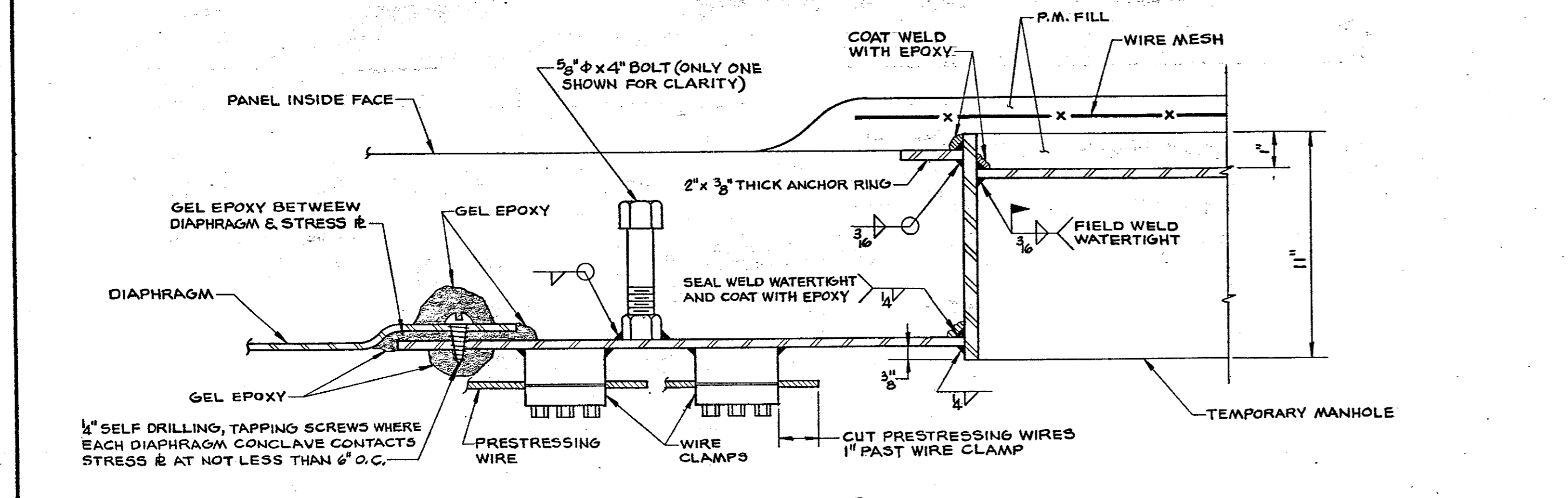
NOTE: MK WAL-1 & WAL-4 AT LIFTING INSERTS, AND MK WAL-3 & WAL-12 NOT SHOWN. SEE DWG. TEX. 83-007-2



OUTSIDE FACE

INSIDE FACE

STRESS PLATE DETAILS



SECTION B-B
N. T. S.

THE DETAILS SHOWN ON THIS DRAWING SHALL BE PRODUCED WITHIN THE GUIDELINES AND REQUIREMENTS SPECIFIED IN PRELOAD CO. "CONSTRUCTION SPECIFICATIONS & PROCEDURES" NO. "CS-283".

MISC. IRON SCHEDULE

MS	QUANTITY		SIZE	LENGTH	WT. (LBS.)	SKETCH	LOCATION
	DESIGN	ORDER					
ANC-2	10.8	11	1 1/2" x 1 1/2" L (1.5 PLS)	20'-0"	390	FORMULA: TOTAL NO. WALS = 10, WALS-12 BARS = 58, (TO NEXT HIGHER 20')	PANEL JOINTS
ANC-3	8	8	3/4" φ	4'-7"	55	8" STAINLESS STEEL	ROOF AT OVER FLOW
ANC-4	234	239	1/2" φ	1'-4"	212	2 1/2" THREAD	WATER STOP ENCASMENT
ANC-5	4	4	1/2" φ	2'-4"	6	2 1/2" THREAD	D.I. INLET PIPE
ANC-8	4	4	1" φ	2'-9"	29	2" φ	ROOF FOR WIREWINDER
ANC-9	4	4	1" φ	6'-4"	68	2" φ	ROOF FOR WIREWINDER
ANC-10	8	9	5/8" φ	4'-4"	41	2 1/2" THREAD	AT INLET PIPE

LEGEND
 ● STOP AND COAT WIRE
 ↑ DIRECTION OF APPLICATION
 — DIE ON TOP OF MACHINE
 — DIE ON BOTTOM OF MACHINE
 * - WIRES ANCHORED TO STRESS PLATE

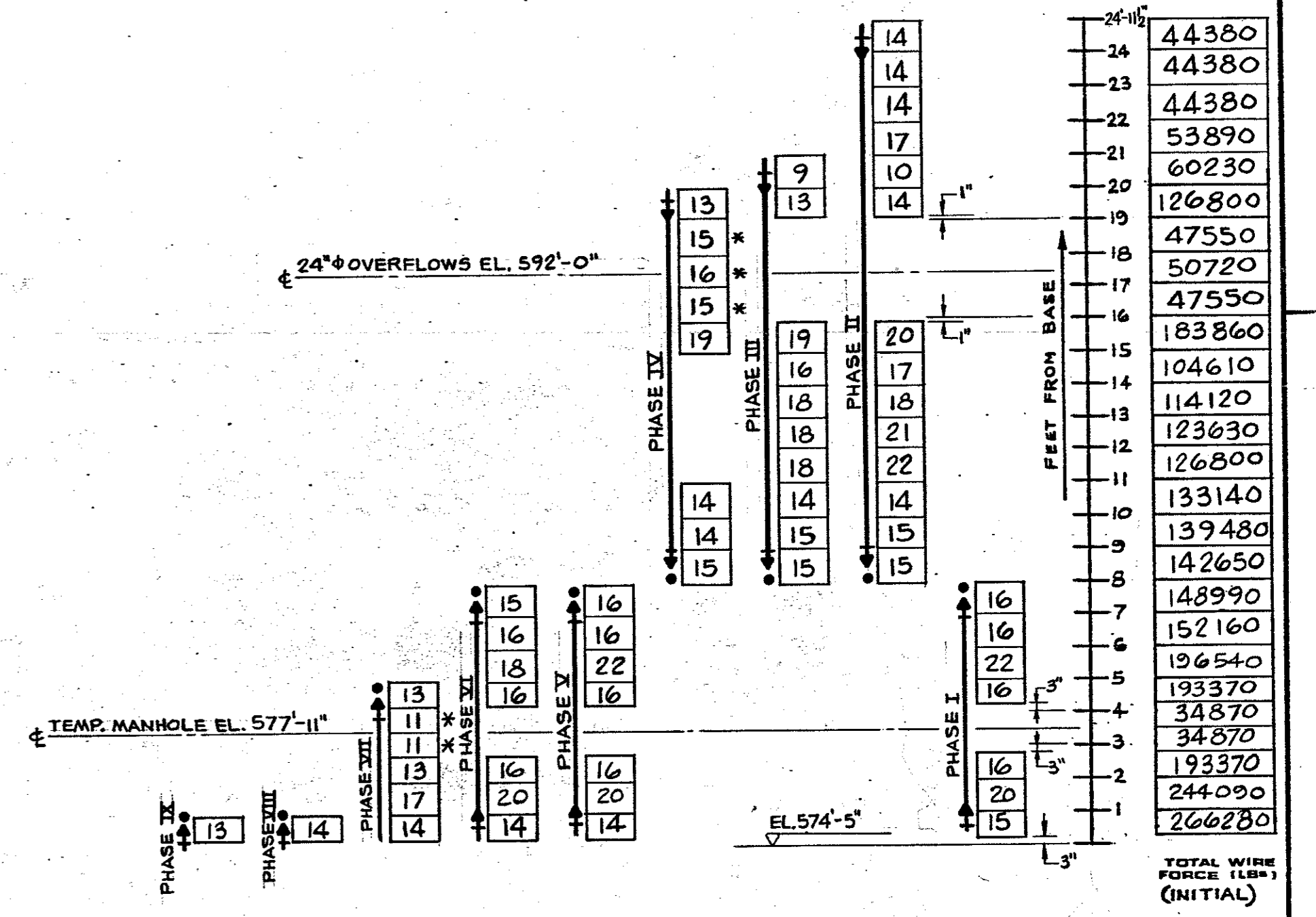
- TEMPORARY MANHOLE PRESTRESSING PROCEDURE
- Weld bottom half of clamps to stress plate using E70XX electrodes. All welding shall be in accordance with ANSI/AWS D-1.1-81.
 - Wrap wires over temporary manhole making sure wires drop into threaded slots of the clamps.
 - Install top half of clamps and tighten with bolts.
 - Cut wires 1" from edge of clamps as shown.
 - Wires to be cut starting at center line of opening alternating wires above and below opening (maximum unbalanced load = 2 wires).
 - Apply pneumatic mortar to cover wires, anchorages and temporary manhole.

PRESTRESS WIRE QUANTITIES

PHASE	WALL		DOME RING		TOTAL	REMARKS
	WRAPS	WEIGHT	WRAPS	WEIGHT		
I	121	5671				
II	225	10545				
III	155	7264				
IV	121	5671				
V	120	5624				
VI	115	5390				
VII	79	3702				
VIII	14	656				
IX	13	609				
TOTAL	963	45132			963	TOTAL WRAPS
TOTAL		45132			45132	TOTAL WEIGHT

WEIGHT OF WIRES/LFT 0.164 = 0.07188
 LFT OF WIRE / WRAP = 206 + 2(0.71) x π = 652' (I.D. + (2 x WALL THICK))

TOTAL OVERALL HEIGHT OF PRESTRESS PHASES = 73'



WIREWINDING SCHEDULE

- NOTES:
- WIREWINDING SCHEDULE IS BASED ON A WIRE DIAMETER OF 0.164" SIZES AND NUMBERS MAY BE ALTERED AS NECESSARY TO ATTAIN PROPER TOTAL INITIAL FORCE.
 - INITIAL FORCE IN WIRE (BASED ON SIZES INDICATED): WALL --- 3170 LBS.
 - INITIAL UNIT STRESS IN WIRE NOT TO EXCEED 155,000 P.S.I.
 - PROVIDE ONE INCH PNEUMATIC MORTAR PROTECTIVE COVER OVER OUTERMOST LAYER OF WIRES.
 - WIREWINDING SEQUENCE SHOWN SHOULD NOT BE ALTERED WITHOUT PRIOR APPROVAL BY PRELOAD ENGINEERS.

REVISIONS

NO.	DATE	DESCRIPTION	BY	CKD
1	5/10/86	REV. NOTE - TEMP. MANHOLE PANEL	E	RAO

PRELOAD
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WORKING DRAWING
 ONE 6.0 M.G. WATER STORAGE TANK
 ADDISON, TEXAS
 TEMPORARY MANHOLE PANEL
 AND WIREWINDING SCHEDULE
 DRAWN: PV SCALE: NONE CONTRACT NUMBER: 86 PE004
 DESIGNED: FD MTO: DRAWING NUMBER: 83-007-3
 CHECKED: RAO DATE: 4-24-86