

SECTION A-A

TEMPORARY MANHOLE PANEL

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

MISC. IRON SCHEDULE

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

- LEGEND
- STOP AND COAT WIRE
  - ▲ DIRECTION OF APPLICATION
  - ⊖ DIE ON TOP OF MACHINE
  - ⊕ DIE ON BOTTOM OF MACHINE
  - \* - WIRES ANCHORED TO STRESS R

- TEMPORARY MANHOLE PRESTRESSING PROCEDURE
1. Weld bottom half of clamps to stress plate using E70XX electrodes. All welding shall be in accordance with AWS D1.1-81.
  2. Wrap wires over temporary manhole making sure wires drop into threaded slots of the clamps.
  3. Install top half of clamps and tighten with bolts.
  4. Cut wires 1" from edge of clamps as shown.
  5. Wires to be cut starting at center line of opening alternating wires above and below opening (maximum unbalanced load = 2 wires).
  6. Apply pneumatic mortar to cover wires, anchorages and temporary manhole.

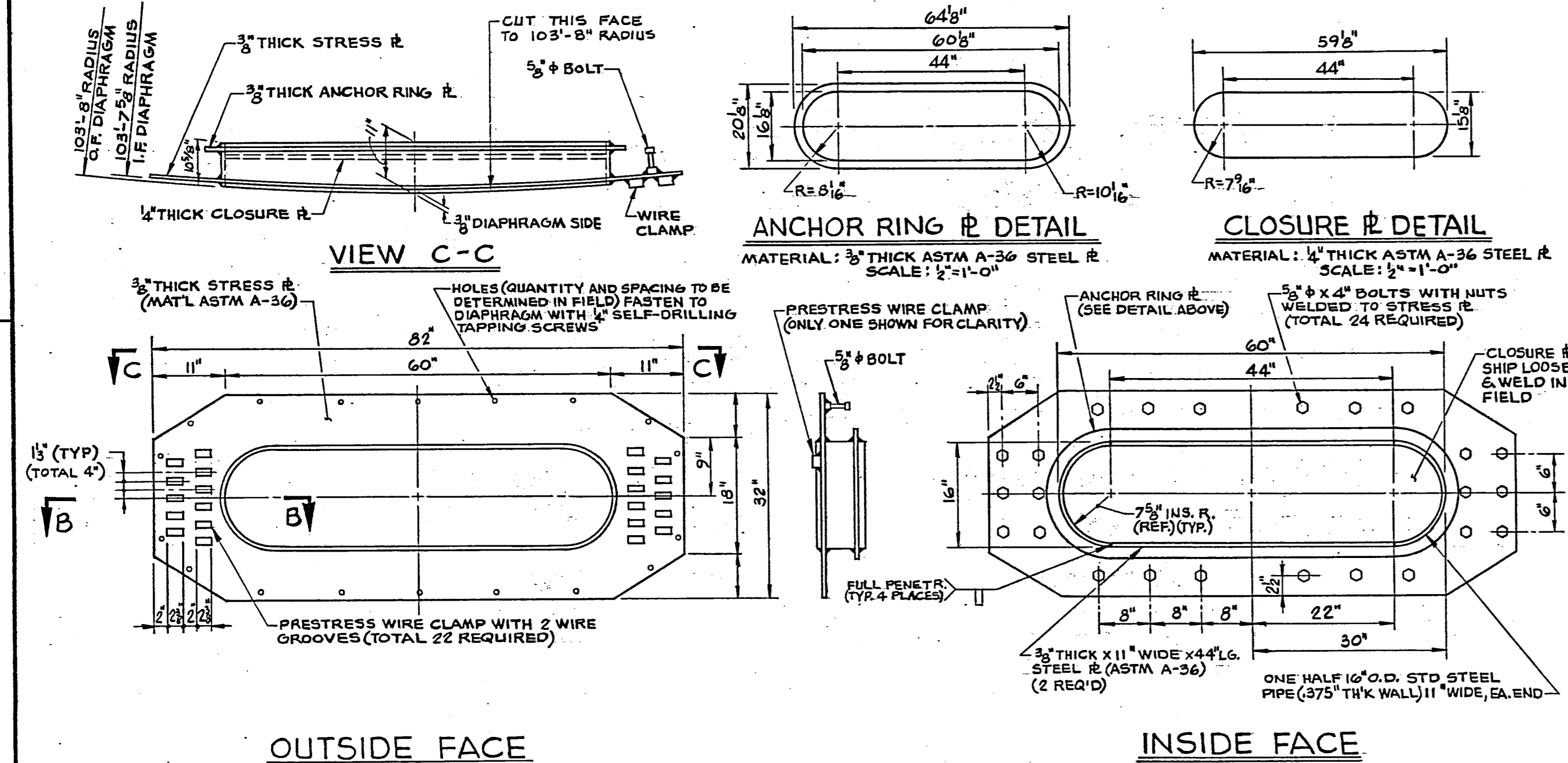
PRESTRESS WIRE QUANTITIES

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				963	TOTAL WRAPS
TOTAL		45132			45132	TOTAL WEIGHT

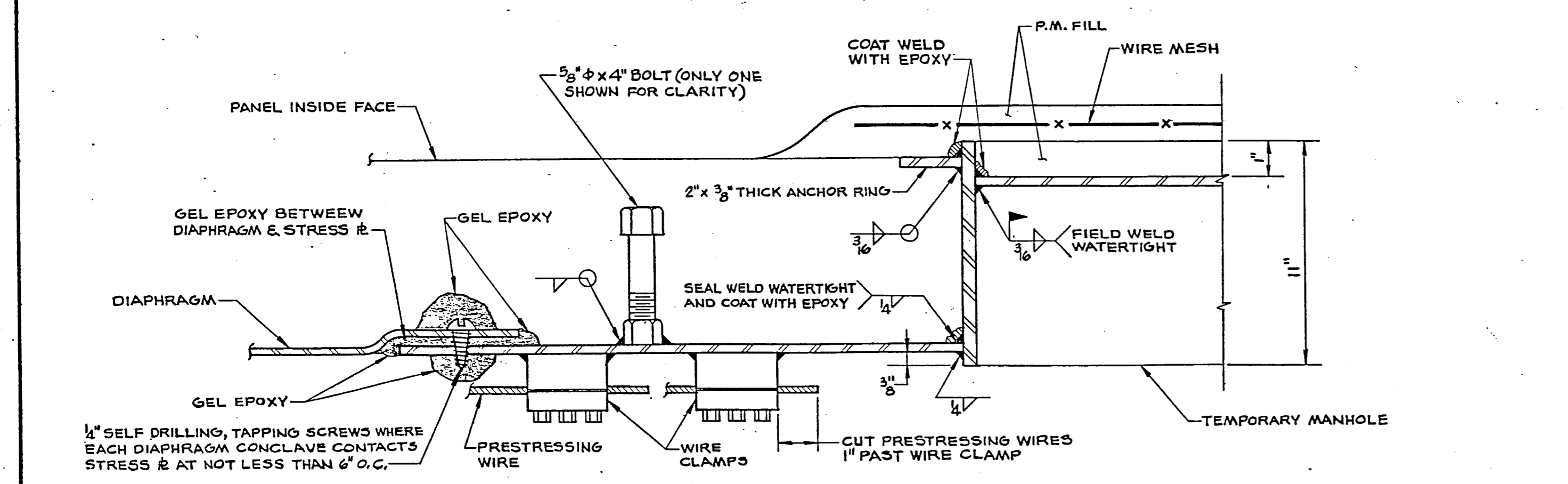
WEIGHT OF WIRES/LFT 0.164 = 0.07188

LFT OF WIRE / WRAP =  $206 + 2(0.71) \times \pi = 652'$  (I.D. + (2 x WALL THICK))

TOTAL OVERALL HEIGHT OF PRESTRESS PHASES = 73'

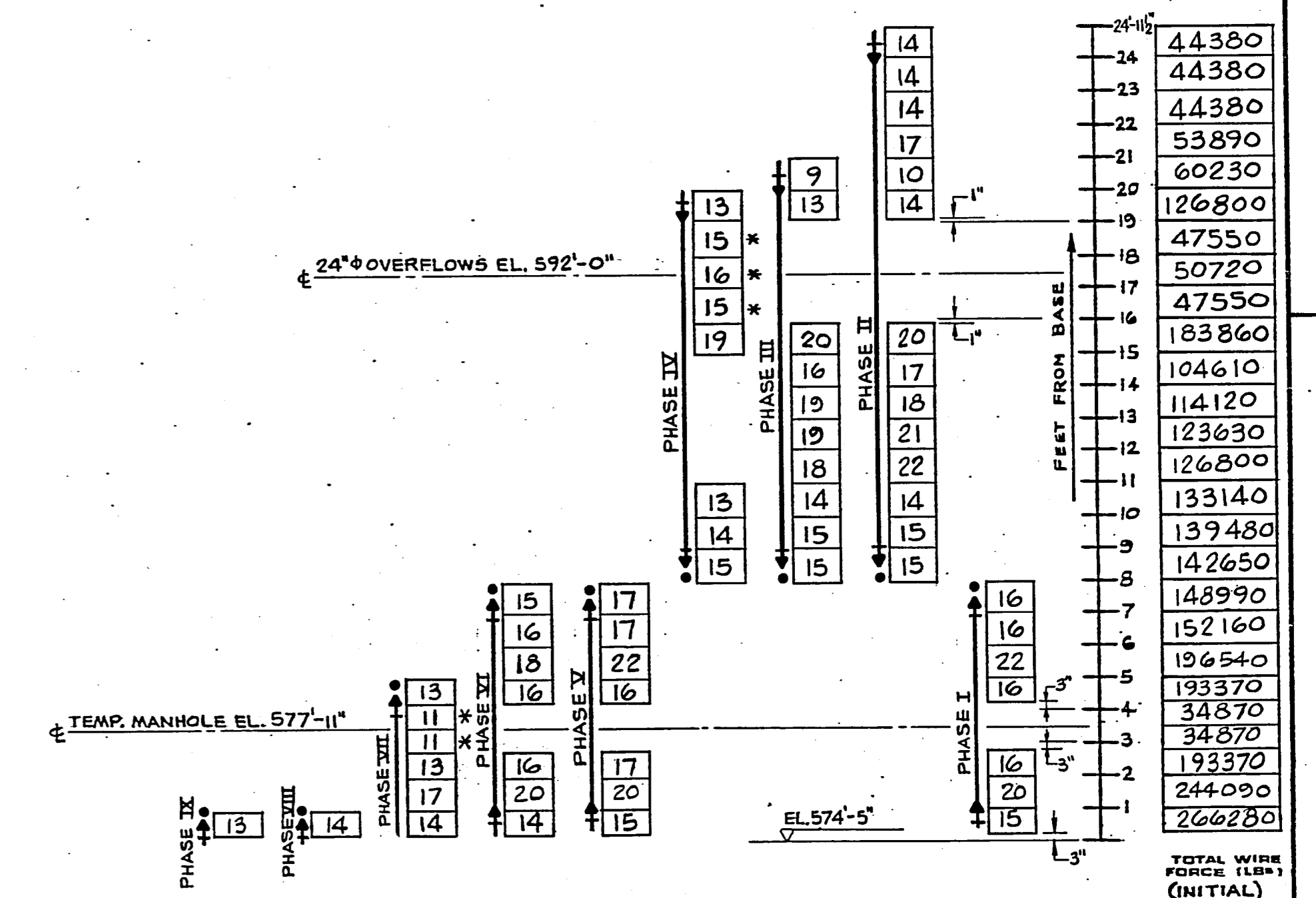


STRESS PLATE DETAILS



SECTION B-B

THE DETAILS SHOWN ON THIS DRAWING SHALL BE PRODUCED WITHIN THE GUIDELINES AND REQUIREMENTS SPECIFIED IN PRELOAD CO. CONSTRUCTION SPECIFICATIONS & PROCEDURES - NO. CS-23P.



WIREWINDING SCHEDULE

- NOTES:
1. 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.
  2. INITIAL FORCE IN WIRE (BASED ON SIZES INDICATED): WALL \_\_\_\_\_ 3170 LBS.
  3. INITIAL UNIT STRESS IN WIRE NOT TO EXCEED 155,000 P.S.I.
  4. PROVIDE ONE INCH PNEUMATIC MORTAR PROTECTIVE COVER OVER OUTERMOST LAYER OF WIRES.
  5. WIREWINDING SEQUENCE SHOWN SHOULD NOT BE ALTERED WITHOUT PRIOR APPROVAL BY PRELOAD ENGINEERS.

REVISIONS

NO.	DATE	DESCRIPTION	BY	CKD
1	5/13/86	REV. NOTE - TEMP MANHOLE PANEL	E	RAO
2	7/17/86	MISC. IRON SCHEDULE	PV	RAO
3	1/13/87	AS BUILT	E	

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