

OIL & GAS DEVELOPMENT COMPANY LIMITED
PROCUREMENT DEPARTMENT, ISLAMABAD
FOREIGN SECTION B

(To be completed, filled in, signed and stamped by the principal)

ANNEXURE 'A'

Material PROCUREMENT OF FLARE TIPS ALONGWITH PILOT ASSEMBLIES &INTEGRAL PURGE SEALS
Tender Enquiry No PROC-FB/CB/P&P-4947/2021
Due Date
Evaluation Criteria FULL

SCHEDULE OF REQUIREMENT

Sr No	Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price C & F BY SEA	Total Price C & F BY SEA	Deviated From Tender Spec. If Any
1	Flare Tip 8'' With 2 Pilots & Integral Purge Seal, For Acid Gas Flare Stack Part# "PBD-8" Drawing No. B-97113 & As Per Attached TOR	Number	1					
2	Flare Tip 24'' With 3 Pilots & Integral Purge Seal, For Hydrocarbon Flare Stack Part# "PBD-24" Drawing No. B-97106 & As Per Attached TOR	Number	1					

Note: A BID BOND AMOUNTING TO US\$ 3,000/- MUST BE SUBMITTED WITH THE TECHNICAL BID AND IT MUST BE VALID FOR 150 DAYS FROM THE DATE OF OPENING OF THE BID.DELIVERY PERIOD IS 180 DAYS FROM THE DATE OF L/C ESTABLISHMENT.

Terms of References

OGDCL Intends to Procure the Flare Tips as per provided drawings installed at Flare of Dakhni Gas Processing Plant.

Item # 01

Services: Acid Gas

Product: Flare Tip Assembly

Maximum Relief Rate: 257,700#per Hr

Purge Gas Required: 50SCFH for 08" Tip

Fuel Gas Pressure: 15 PSIG

Ignition Air Pressure: 15 PSIG

Gas Flow Rate per Pilot: 60 SCFH

Gas Flow Rate per Ignition Panel: 150SCFH

Air Flow Rate per Ignition Panel: 1500SCFH

Electrical Characteristics: 220V/1 Ph/50 Hz AC

Drawing # B-97113, C-97104, C-97111, D-97112, E-97164

Item # 02

Services: Hydrocarbon

Product: Flare Tip Assembly

Maximum Relief Rate: 257,700#per Hr

Purge Gas Required: 226SCFH for 24" Tip

Fuel Gas Pressure: 15 PSIG

Ignition Air Pressure: 15 PSIG

Gas Flow Rate per Pilot: 60 SCFH

Gas Flow Rate per Ignition Panel: 150SCFH

Air Flow Rate per Ignition Panel: 1500SCFH

Electrical Characteristics: 220V/1 Ph/50 Hz AC


Drawing # B-97106, C-97107, C-97105, D-97109, E-97108

1. Original Authorization Letter in favour of LC Beneficiary from OEM to participate in the bid should be provided with the technical bid.


MUSAMMAR KHAN
P&P-NB
1984




2. In case of local representative, Original Authorization Letter from principle/ LC Beneficiary to participate in the bid should be provided with the technical bid.
3. Bidder must provide the Company profiles & previous supply record (reference list) of LC Beneficiary.
4. Bidder must confirm that quoted Flare Tip Assembly is 100% fit in size and function/metallurgy as per drawings provided.
5. Bidder must follow the notes of the drawings provided with tender documents.
6. **Bidder must submit the isometric view, sectional view, exploded view of quoted assembly with the technical bid.** Otherwise bid will not be accepted for evaluation.
7. Bidder/ Rep of OEM may visit Dakhni Plant for any onsite clarification before submission of bid. Drawing is provided for bid.
8. Bidder must depute its representative during installation and commissioning of assembly at Flare of Dakhni Plant. In case of Foreign experts for installation and commissioning assistance security clearance, pick and drop Islamabad top Dakhni, any Hotel stay in Pakistan will be in the bidder scope. However boarding and lodging at OGDCL Site may be provided.
9. Flare Tip Assembly must have OEM warranty/guarantee (i.e 24 months from the shipment and 12 months after installation which ever come first).
10. Flare Tip Assembly must be in original OEM Packing. Packing must be as per standard for shipment through Sea and storage in hot environment at 51 °C. Handling and Storage instruction must be clearly mentioned.
11. Bidder/ Manufacturer should provide hard /soft copies of the detailed drawings, parts list, sectional drawings, and exploded view drawings with the final shipment of supply, Installation instructions etc.
12. Bidder must confirm country origin of material used for Fabrication/ manufacturing of Flare tip Assembly in technical bid. Flare tip Assembly material must be European, Japanese, and American origin.
13. 3rd Party inspection may be carried out at manufacturer works before & after final


M. AHSAN WAQAR KHAN
(Mech)-P&P-NB
Ext. 2684



paint, packing and before shipment by OGDCL deputed inspection agency on OGDCL cost.

14. Bidder to provide the details of all intended test to be performed at Manufacturer works for performance of Flare tip Assembly.
15. Flare Tip Assembly must be new & free from any defect.
16. Delivery period is 180 days from date of L/C.
17. Bid should be submitted on C&F Karachi basis.
18. Payment as per OGDCL payment clause.
19. Bidder should submit the complete compliance of TOR and OGDCL T&C's duly signed and stamped by LC Beneficiary. No deviation is acceptable.

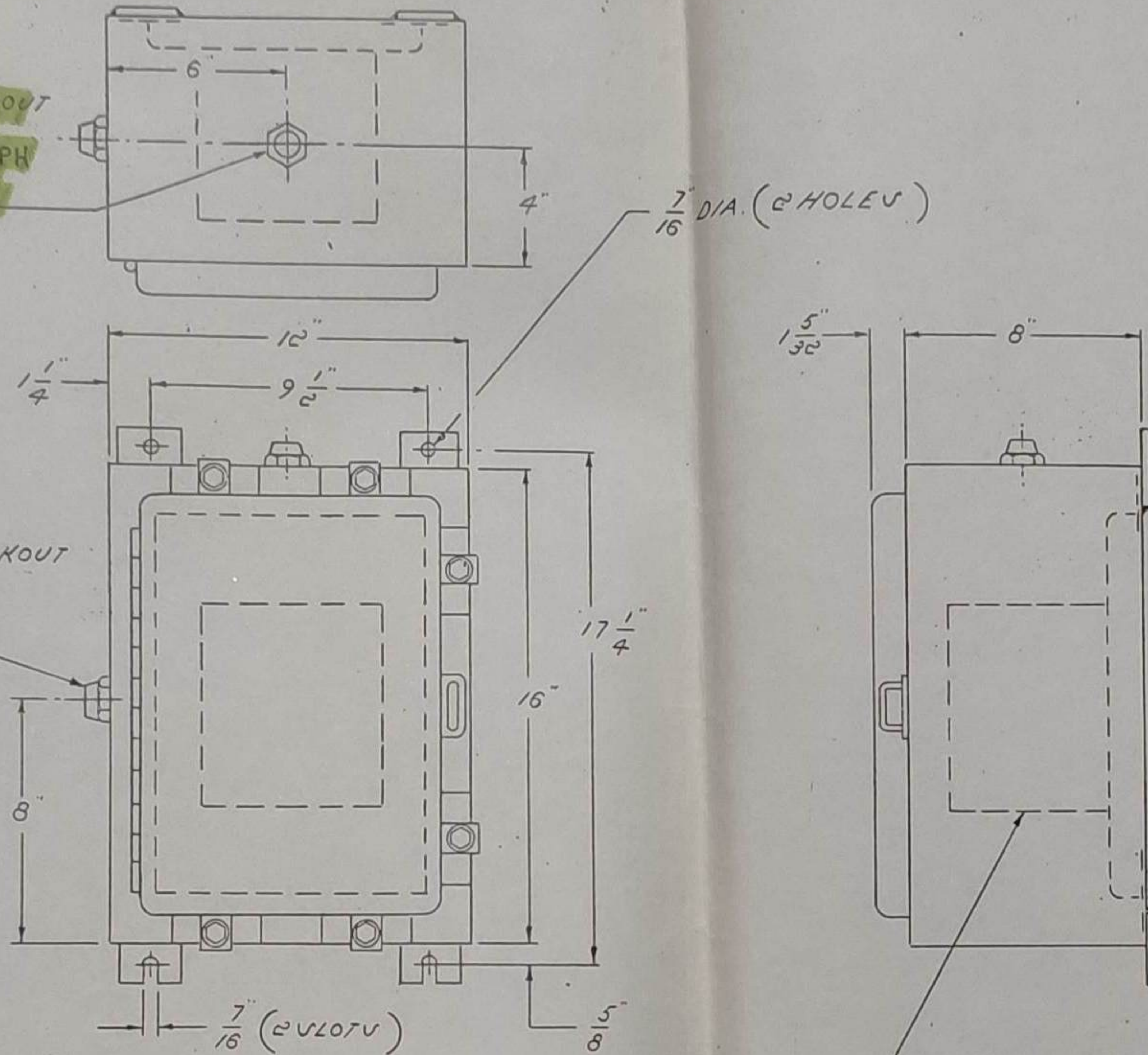

M. AHSAN WAQAR KHAN
Sr. Engr. (Mech) P&P-NB
Ext: 2684



C-97165-A

1" CONDUIT KNOCKOUT
CONN. (1 5/16" DIA.)
FOR 220V, 50 HZ, 1 PH
POWER SUPPLY
(BY OTHERS)

3/4" CONDUIT KNOCKOUT
CONN. (1 1/16" DIA.)
FOR PRESSURE
SWITCH



CLIENT _____
USER _____
P.O. N^o _____
EQUIP./TAG N^o _____

STEPDOWN TRANSFORMER
220 V-110 V, 1 KVA
(WITH MOUNTING SCREWS)

MATERIAL:

HOFFMAN #A16H12BLP

PAINT:

AVA-61 ACRYLIC AIR DRY ENAMEL (GRAY)

DO NOT SCALE THIS DRAWING -
ALL DIMENSIONS IN INCHES UP TO 72"
MACHINE TOLERANCES UNLESS NOTED:
FOR DECIMALS ± .010" FOR FRACTIONS ± .015"

THIS DRAWING OWNED BY
PEABODY ENGINEERING

Peabody Engineering
STAMFORD, CONN.

IT IS CONDITIONALLY LOANED AND
IS TO BE RETURNED UPON REQUEST.
THE BORROWER BY RECEIVING IT
HAS AGREED NOT TO REPRODUCE
NOR COPY IT IN WHOLE OR IN PART
NOR TO FURNISH INFORMATION
FROM IT TO OTHERS NOR TO MAKE
ANY USE OF IT THAT IS OR MAY BE
INJURIOUS TO

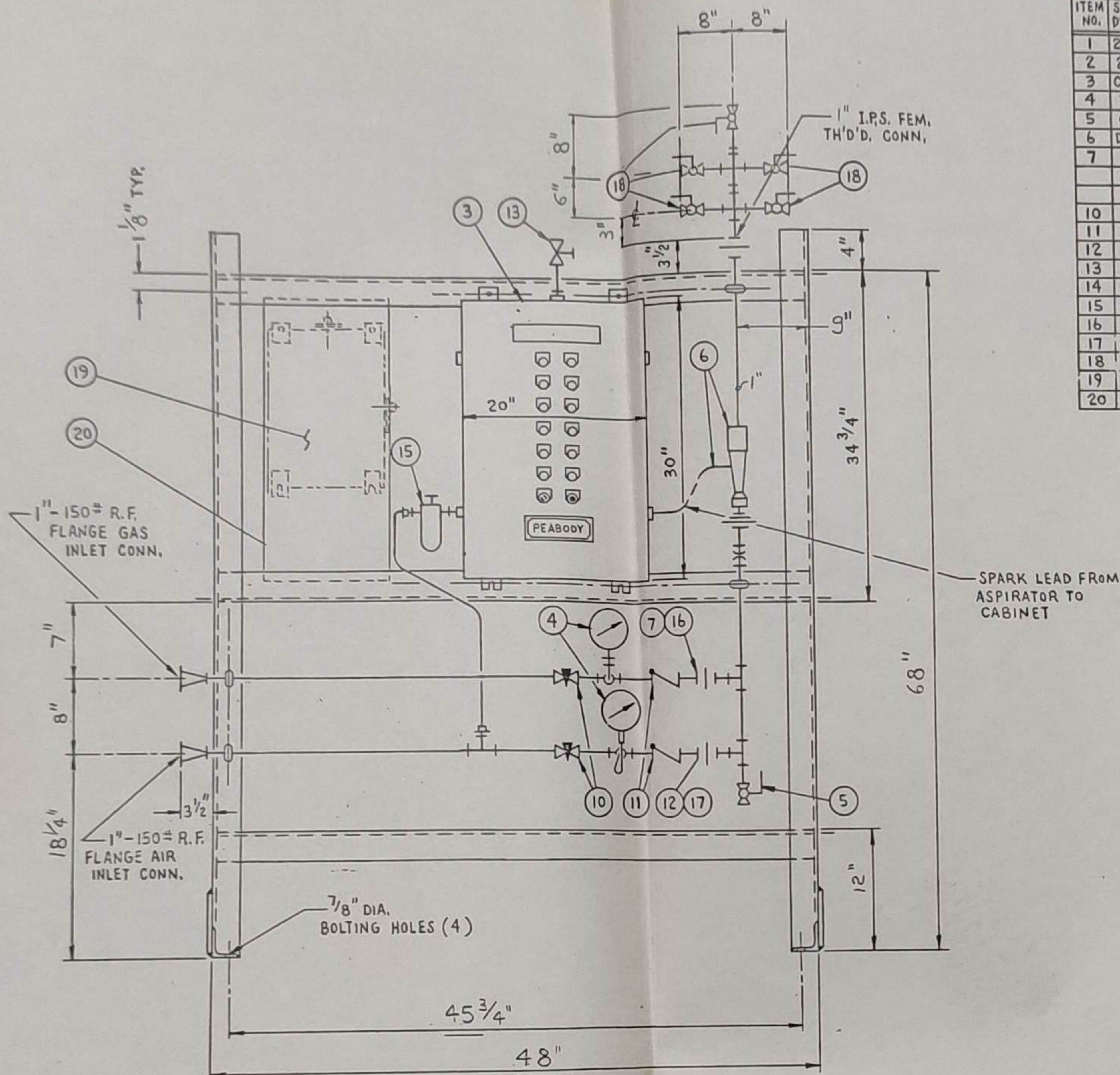
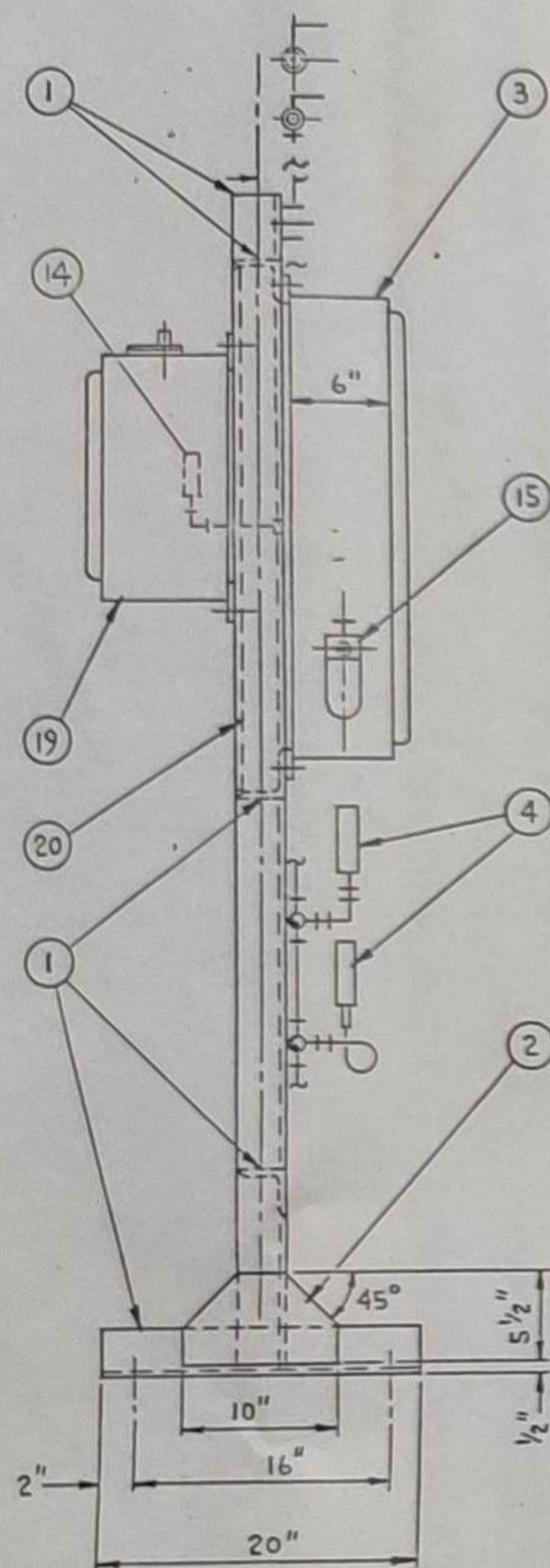
TRANSFORMER BOX
16 x 12 x 8 - NEMA-4

DRAWN JF TRACED R.S. 1/4 CHECKED DSK 1/4
JOB 56027 DATE 1-10-86 SCALE 3" = 1'-0"

1/4	A	REVISED PER CUSTOMER COMMENTS	DSK	2-4-86	OL	-	MT
		REVISIONS	BY	CHECK	DATE	APP	NO.

PEABODY ENGINEERING
MIDLAND
C-93632-1

DRAWING NUMBER C-97165-A

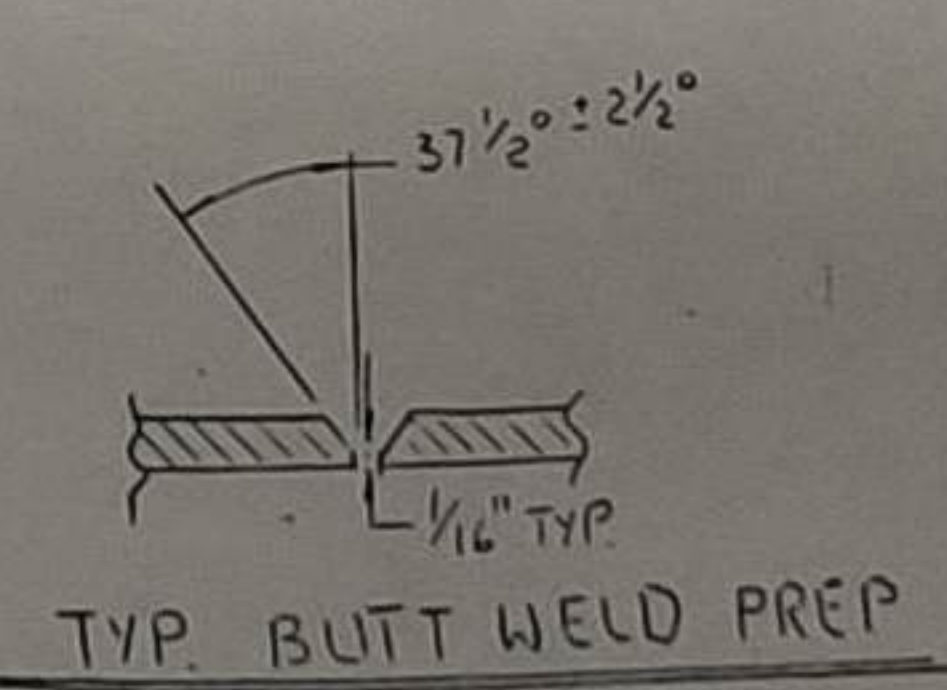
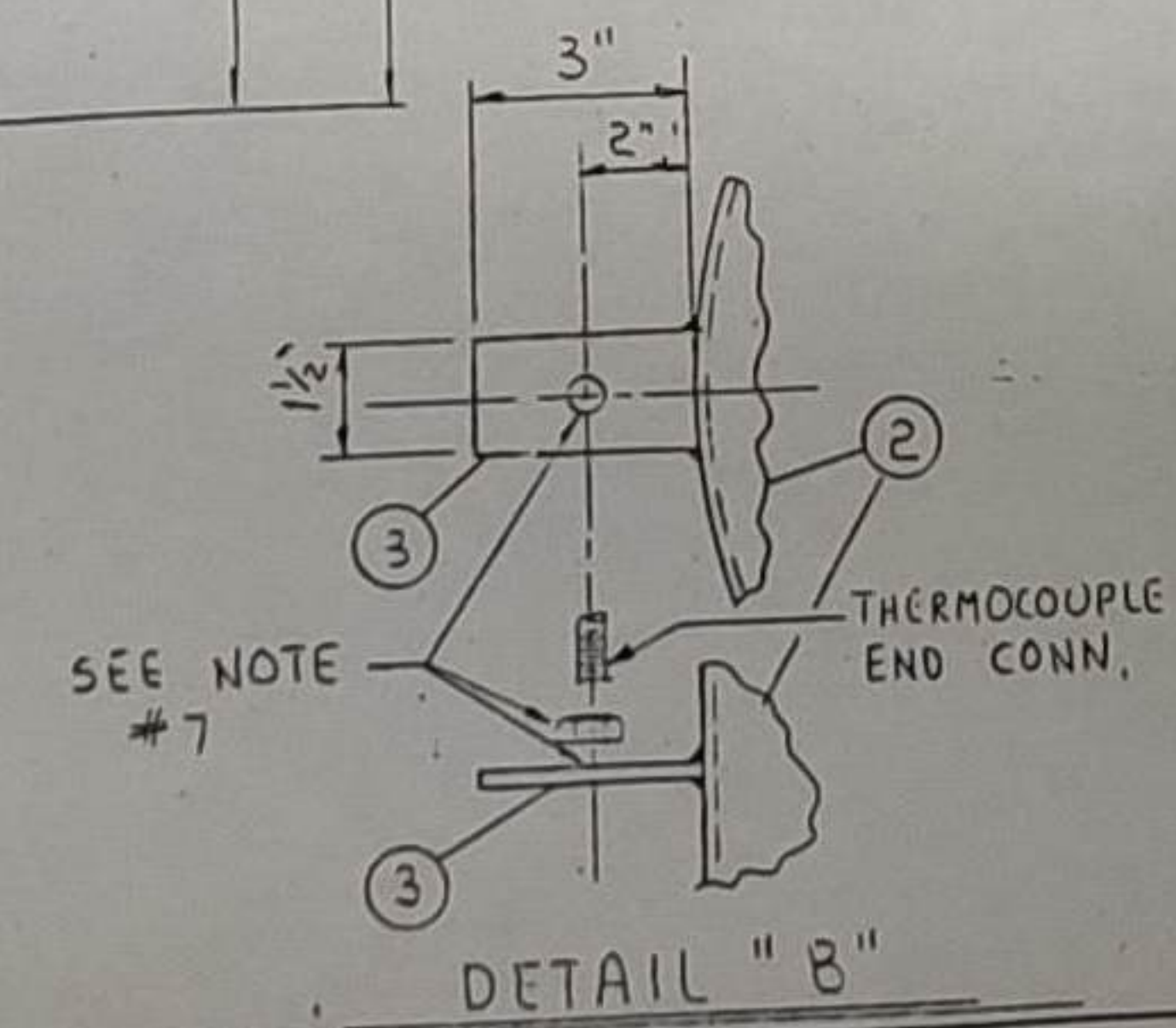
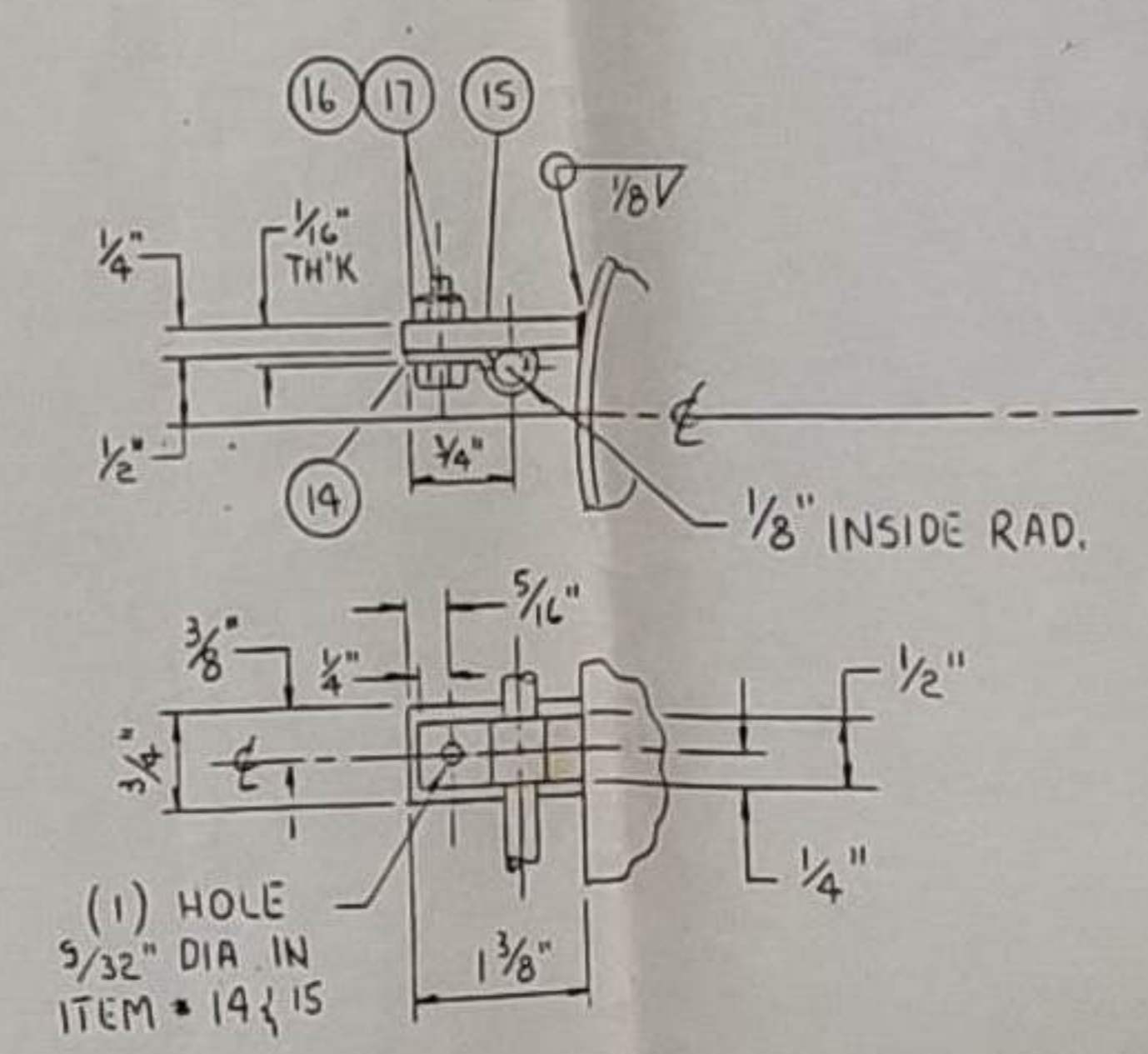
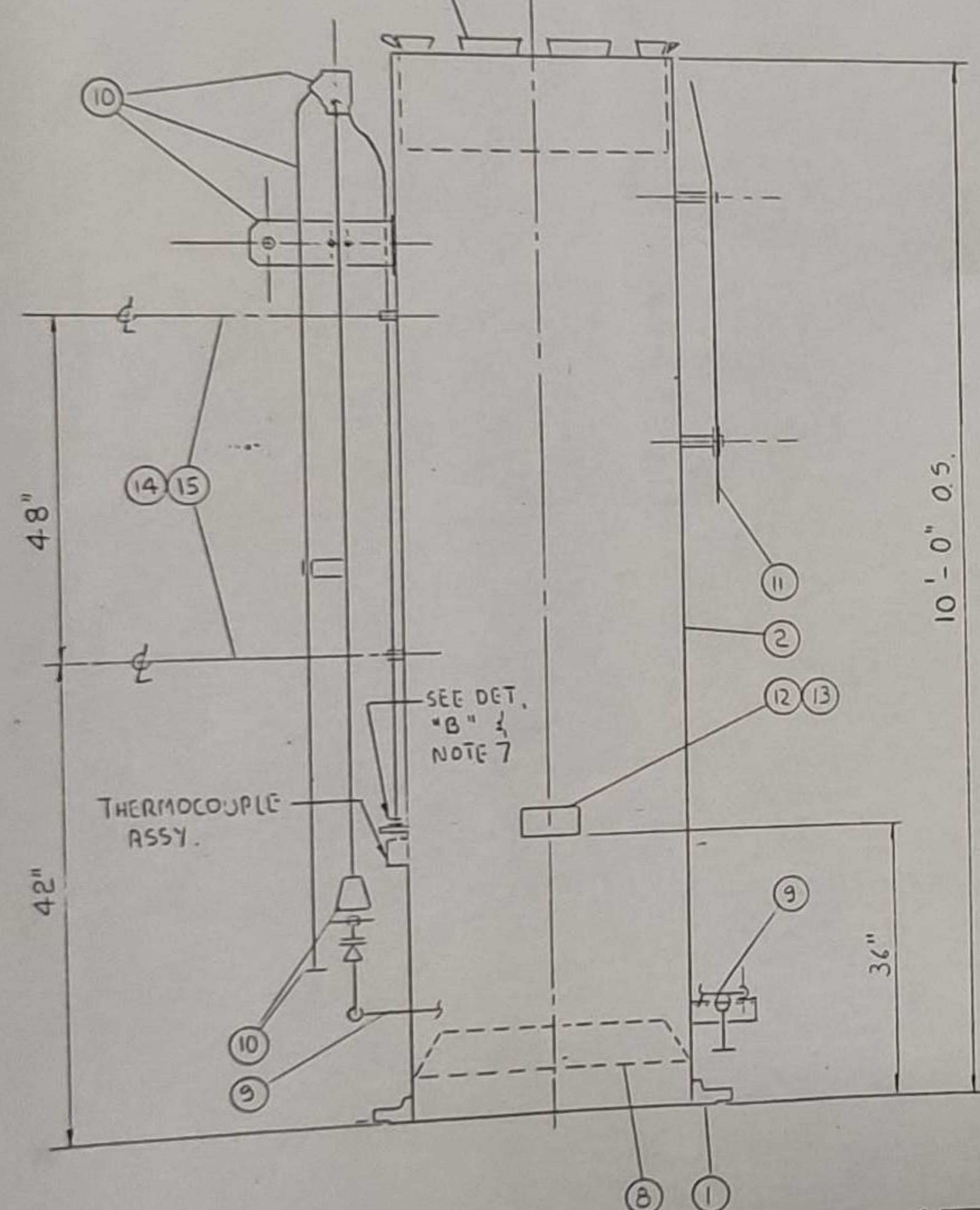
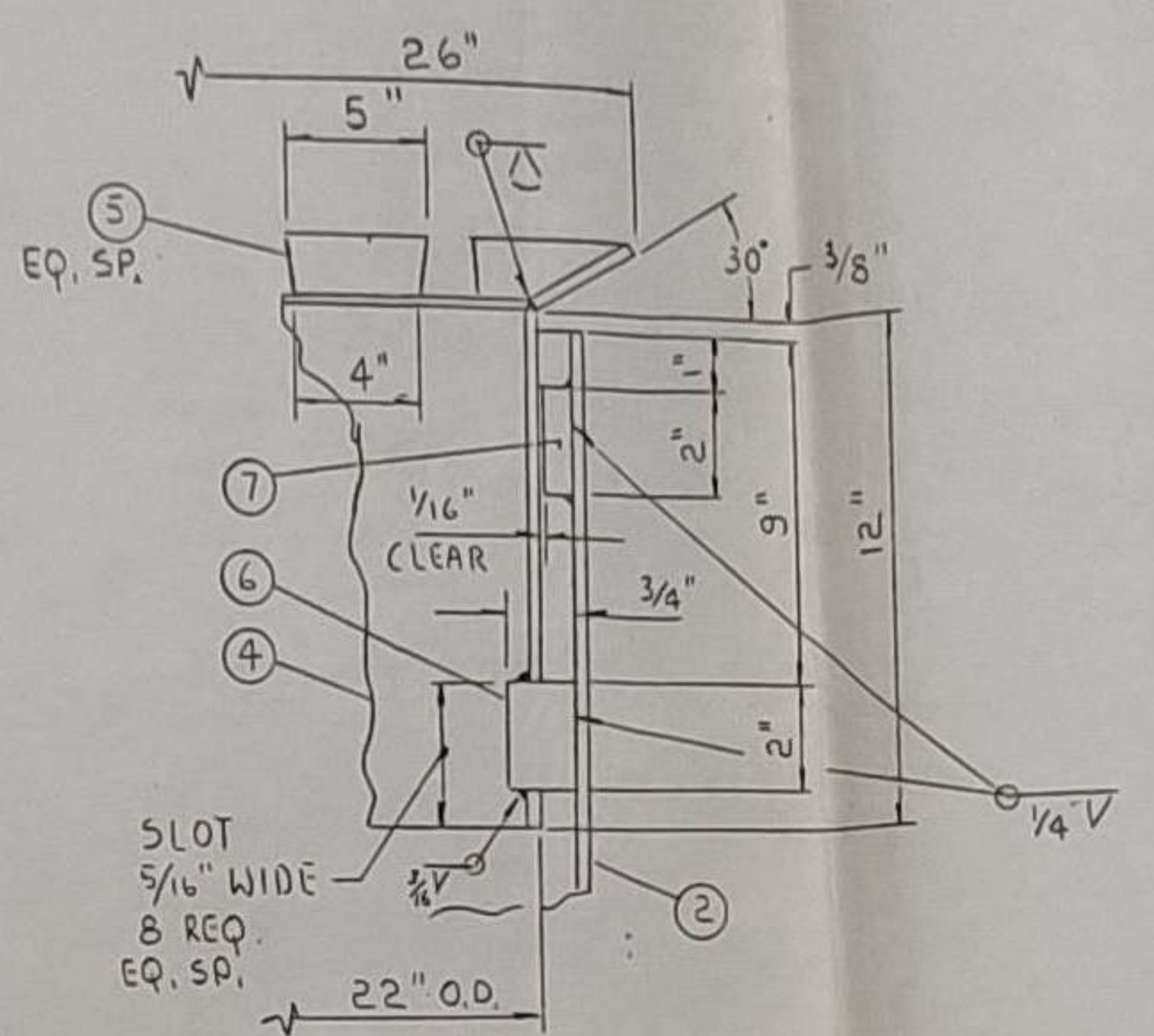
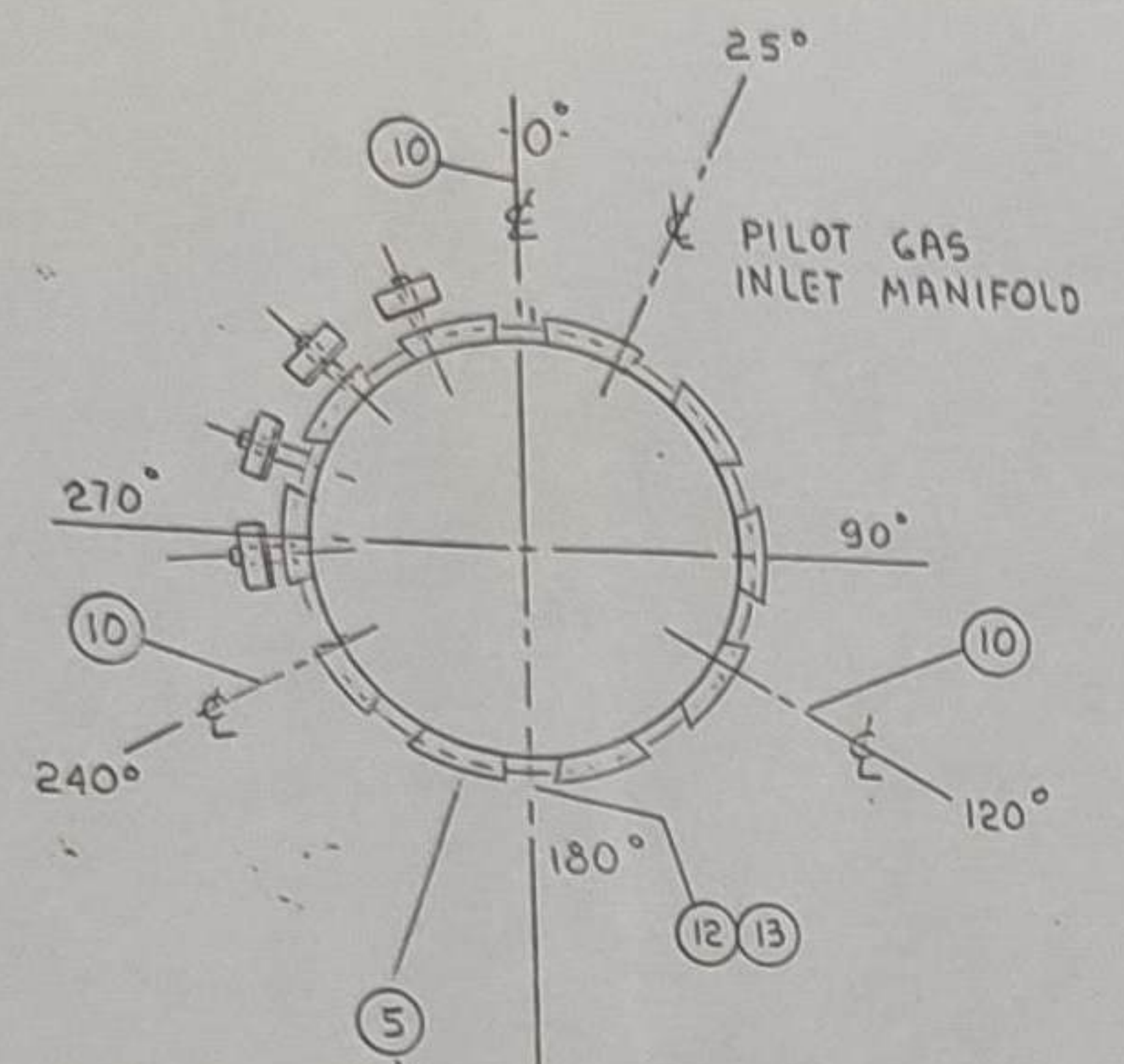


ITEM NO.	STOCK NO. / DWG. NO.	DESCRIPTION	QTY.
1	2041-14-E	2" x 2" x 1/4" ANGLE	34'-0"
2	2034-E	1/4" H.R.S. PLATE - 5 1/2" x 10" (TRIM AS SHOWN)	2
3	C-94303	CONTROL CABINET	1
4	712-3	3 1/2" PRESSURE GAUGE - U.S. # P 500 (0-30 PSIG)	2
5	COMM.	1/2" BALL VALVE - JAMESBURY # 21-2200 MT	1
6	D-92038	ASPIRATOR ASSEMBLY	1
7	421-D	1/2" F.S. SCR'D. UNION (GAS SUPPLY LINE)	1
10	558-D	1/2" NEEDLE VALVE - VOGT # 9871	2
11	487-D	1/2" CHECK VALVE - JENKINS # 8C80	2
12	421-D	1/2" F.S. SCR'D. UNION (AIR SUPPLY LINE)	1
13	COMM.	1/8" PURGE VALVE - NUPRO # S-4P2M (ADJUSTABLE)	1
14	COMM.	PRESSURE SWITCH - ASHCROFT # B7-20B (1" W.C.)	1
15	COMM.	3/8" AIR FILTER REGULATOR - FAIRCHILD # 10113 BP	1
16	422-D	ORIFICE R. .125" I.D. x 1/16" THICK - 304 S.S. - ASSEMBLE IN ITEM # 7	1
17	422-D	ORIFICE R. .300" I.D. x 1/16" THICK - 304 S.S. - ASSEMBLE IN ITEM # 12	1
18	COMM.	1" BALL VALVE - JAMESBURY # 21-2200 MT (SCREWED TYPE)	5
19	U-97165	STEP DOWN TRANSFORMER CABINET	1
20	2034-D	3/16" H.R.S. PLATE - 34 1/4" x 15"	1

NOTES:

- ALL FITTINGS TO BE 2000 - 3000 # F.S. SCR'D.
- SHOP TO SUPPORT PIPING FROM RACK AS REQ'D.
- SHOP TO SUPPLY PIPE & NIPPLES AS REQ'D. AT ASS'Y.
- ALL PIPE & NIPPLES TO BE BLACK WELDED TYPE.
- COPE & WELD ALL ANGLES & GUSSETS TOGETHER.
- ITEMS # 18 ASSEMBLY TO BE SHIPPED LOOSE FOR FIELD INSTALLATION.
- CONDUIT BETWEEN TRANSFORMER CABINET AND PRESS SWITCH TO BE EXPLOSION PROOF WITH SEAL POT (NOT SHOWN)

DO NOT SCALE THIS DRAWING - ALL DIMENSIONS IN INCHES UP TO 72" MACHINE TOLERANCES UNLESS NOTED FOR DECIMALS 1.010" FOR FRACTIONS 1.015"		THIS DRAWING QUOTED BY PEABODY ENGINEERING		 STAMFORD CONN.	
IT IS CONDITIONALLY LOANED AND IS TO BE RETURNED UPON REQUEST. THE BORROWER AT RECEIVING IT HAS AGREED NOT TO REPRODUCE OR COPY IT IN WHOLE OR IN PART AND TO PROMISE TO RETURN IT TO THE LENDER FROM WHOM IT IS LOANED AND NOT TO USE IT IN ANY MANNER THAT IS UNLAWFUL TO THE LENDER.		REVISIONS: 4 B REVISED PER CUSTOMER COMMENTS; DSK 12-4-88 3 A 11/20/88 JOB NO WAS 23200-34, ASD, 11/20/88 11/24/88 11/24/88 11/24/88		IGNITION PIPING & FLAME FAILURE PANEL RACK DRAWN DSK 114.0 TRACED R.S. 1/5 CHECKED OL JOB NO. 56027 DATE 1-10-85 SCALE DRAWING NUMBER B-94299-B FROM B-93575	



NOTES:

1. - WELDING PROCEDURE AND WELDING QUALIFICATIONS TO ASME IX, 10% RADIOGRAPHY OF MAIN BUTT WELDS OF FLARE BODY, ASSESSMENT IN ACCORDANCE WITH ASME VIII DIV 1 LONGITUDINAL WELDS AT 180° SPACING, DISSIMILAR METALS ARE TO BE WELDED USING ELECTRODES COMPATIBLE WITH HIGHEST GRADE METAL.
2. - ALL WELDS TO BE 100% DYE PENETRANT INSPECTED.
3. - PRIOR TO ASSEMBLY ALL THREADS TO BE COATED WITH HIGH TEMPERATURE (1450°F) GREASE
4. - TRANSPORTATION - ALL FLANGES TO BE TIMBER DISC FINISH. ALL EXPOSED C.S. SURFACES SHALL BE CLEANED PER SP. 6 SPECS, PRIMED & PAINTED WITH 2 COATS OF SILICONE ALUMINUM.
5. - FABRICATION IN ACCORDANCE WITH P.E.C. SPECIFICATIONS PFS.-1001
6. - DRILL 1/8" LARGER HOLE THEN THE THERMOCOUPLE END CONN. & FASTENED W/ JAM NUT (18/8 SS) AS REQ. TO THE THERMOCOUPLE JT. BOX, WELD BRACKET - ITEM # 3 TO ITEM # 2 AT FINAL ASSY.

ITEM	DWG NO. / STOCK NO.	DESCRIPTION	QTY	SPECS
17		1/4" HEX HD. NUT	6	18/8 SS.
16		1/4" x 3/4" LG. HEX HD. CAP SCREW	6	18/8 S.S.
15		1/2" CABLE CLIP BRACKET	6	A240-3105
14		1/2" CABLE CLIP	6	A-316 - S.S.
13	E-94289	NAME PLATE BRACKET	1	A240-304
12	E-86190	NAME PL.	1	
11	C-97107	WIND DEFLECTOR ASSY.	9	
10	C-97105	PILOT ASSY	3	
9	D-97109	PILOT MANIFOLD ASSY	1	
8	E-97108	PURGE SEAL	1	A240-3105
7		FLAME STABILIZER GUIDE - 1/4" R.	8	A240-3105
6		FLAME STABILIZER SUPPORT - 1/4" R.	8	A240-3105
5		FLAME STABILIZER LUGS - 1/4" THK	14	A240-3105
4		FLAME STABILIZER BODY 1/4" THK	1	A240-3105
3		THERMOCOUPLE BRACKET 1/4" THK	3	A240-3105
2		24" O.D. BODY, 1/4" THK	1	A240-3105
1		FLANGE - 24" R.F. S.O. ISO*	1	A-105

DO NOT SCALE THIS DRAWING - ALL DIMENSIONS IN INCHES UP TO 72" MACHINE TOLERANCES UNLESS NOTED FOR DECIMALS: .010" FOR FRACTIONS: 1/32"

THIS DRAWING OWNED BY PEABODY ENGINEERING

IT IS CONDITIONALLY LOANED AND IS TO BE RETURNED UPON REQUEST. THE BORROWER BY RECEIVING IT HAS AGREED NOT TO REPRODUCE OR COPY IT IN WHOLE OR IN PART FOR ANY PURPOSE. INFORMATION FROM IT TO OTHERS AND TO MAKE ANY USE OF IT THEREIN OR MAY BE CONSIDERED TO BE CONFIDENTIAL TO PEABODY ENGINEERING.

PEABODY ENGINEERING MICROFILM LTD FROM STD

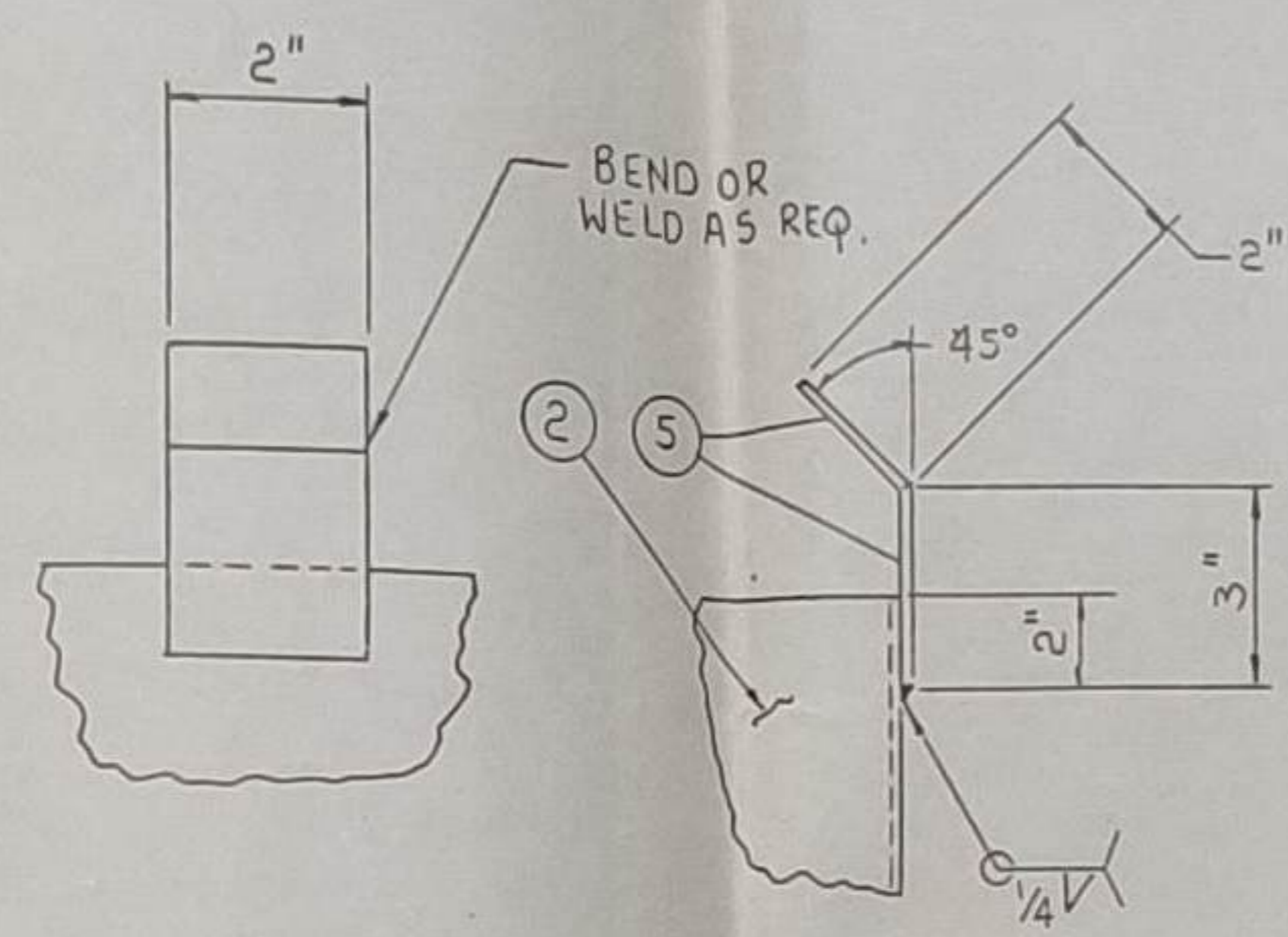
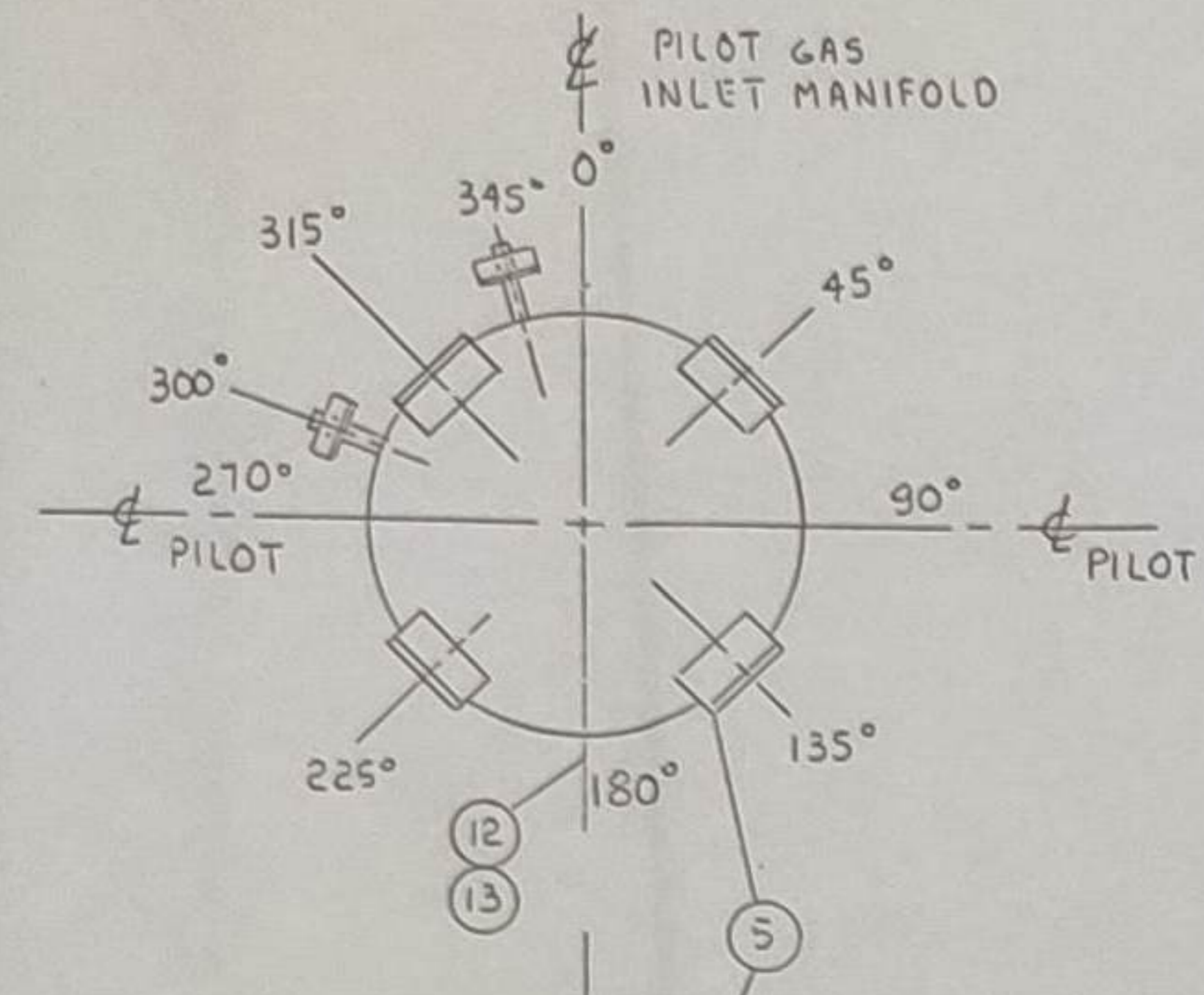
Peabody Engineering STAMFORD CONN.

24" UTILITY FLARE TIP "PBD-24"

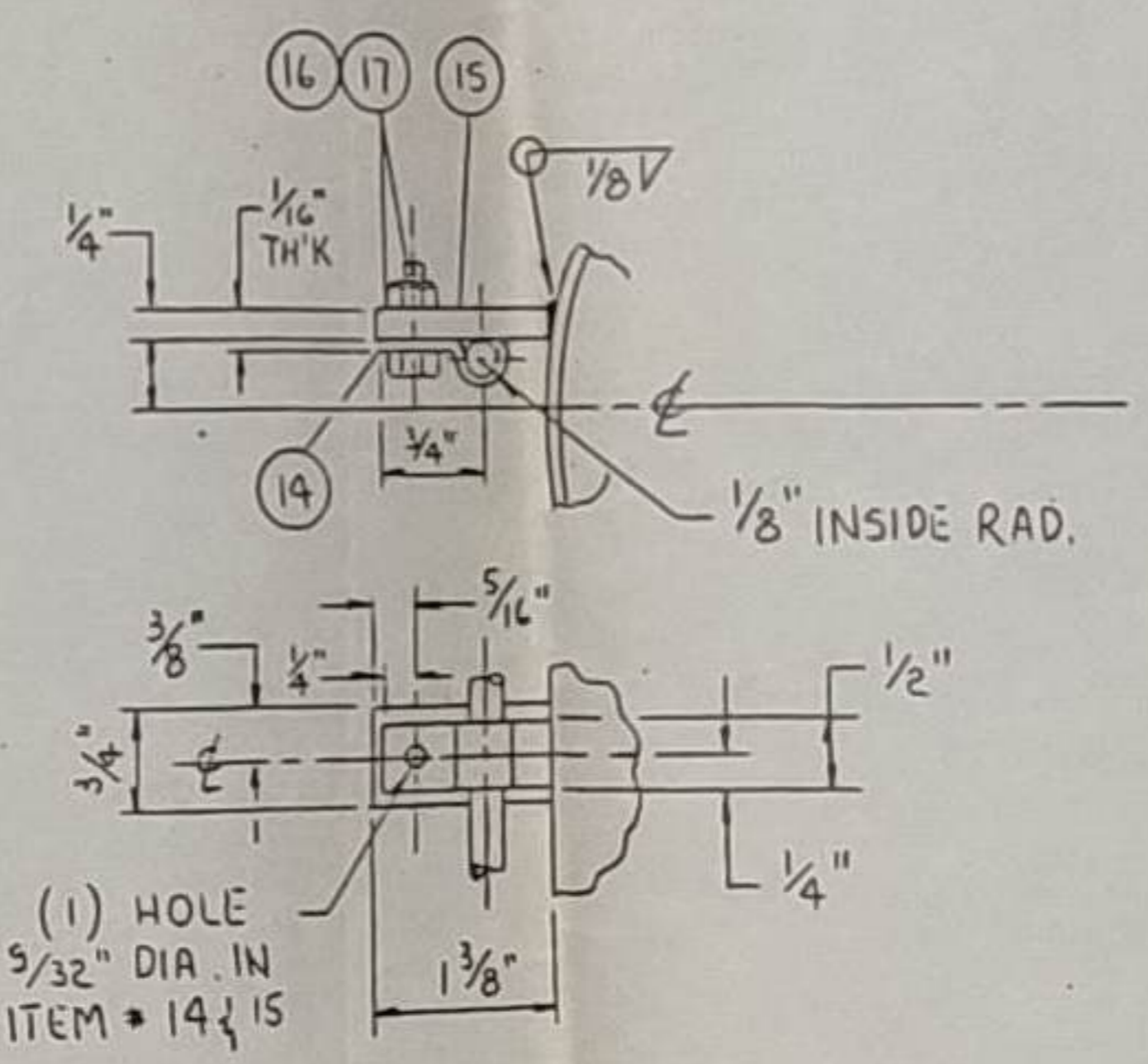
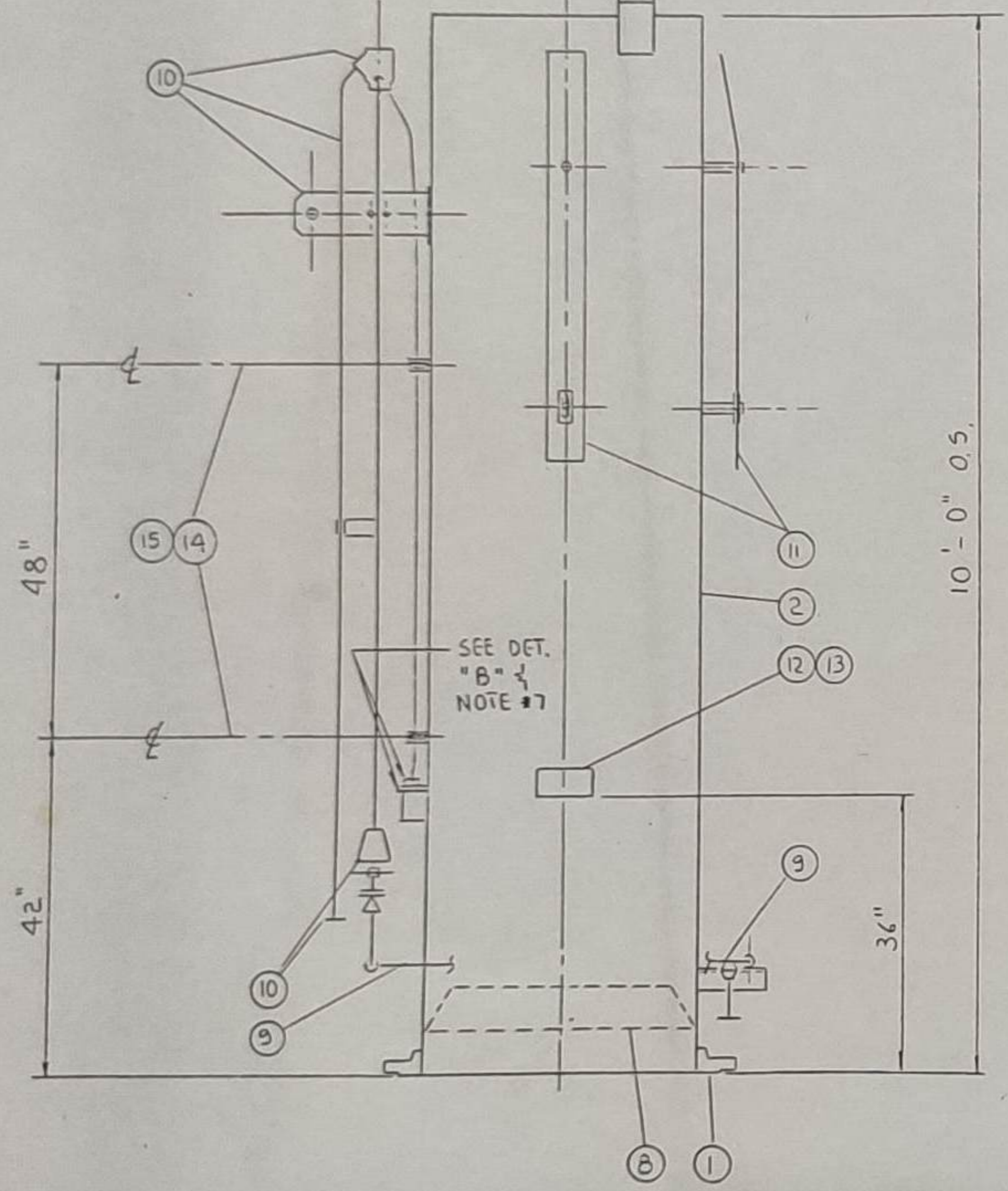
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JOB NO. 36027 DATE 1-8-83 SCALE []

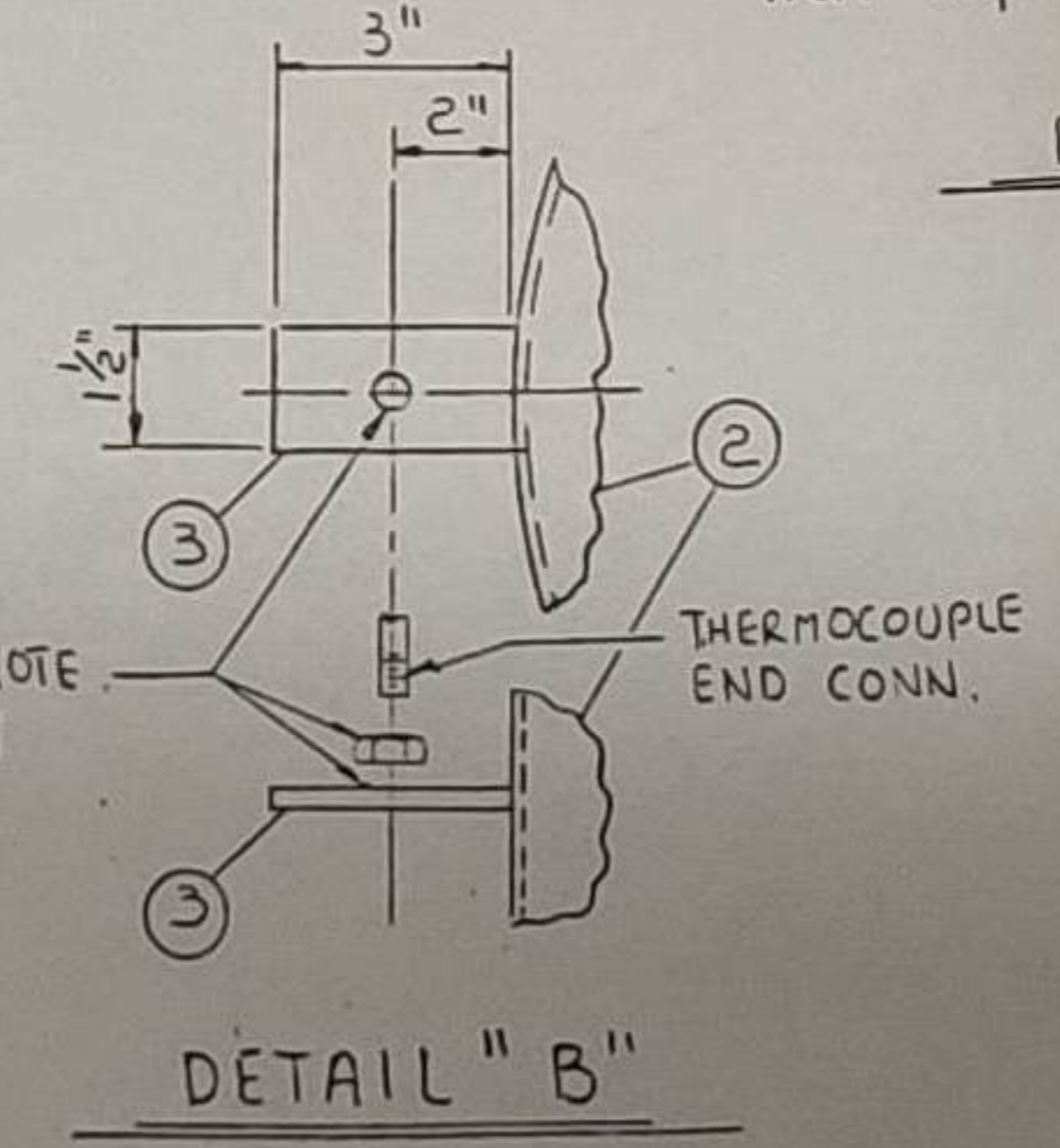
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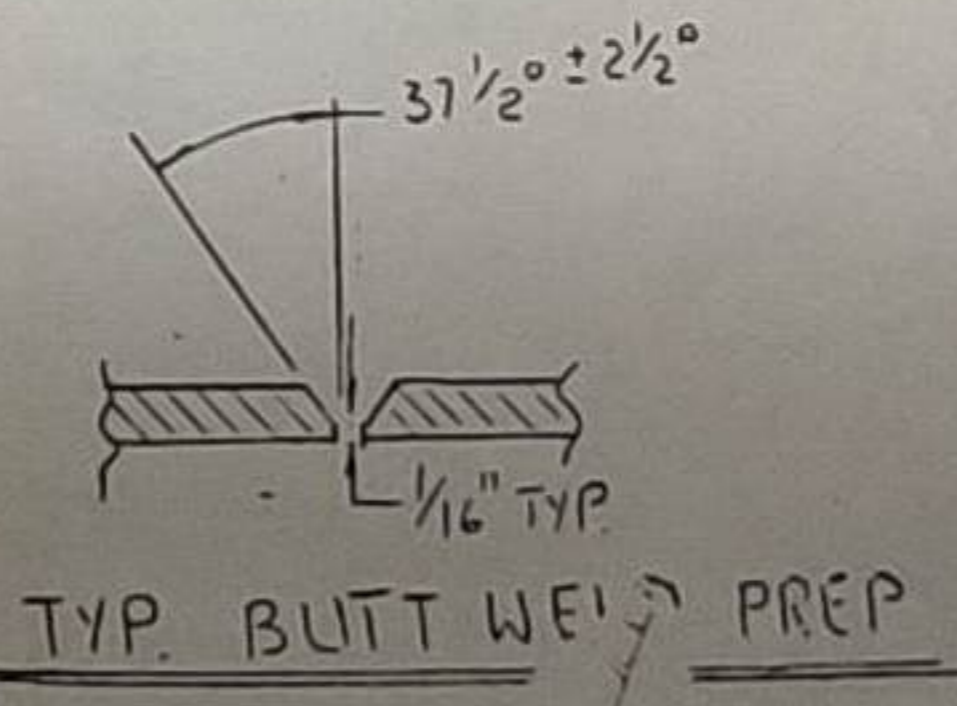
DETAIL OF ITEM # 5
(FLAME STABILIZER)



DETAIL FOR ITEM # 14 & 15



DETAIL "B"



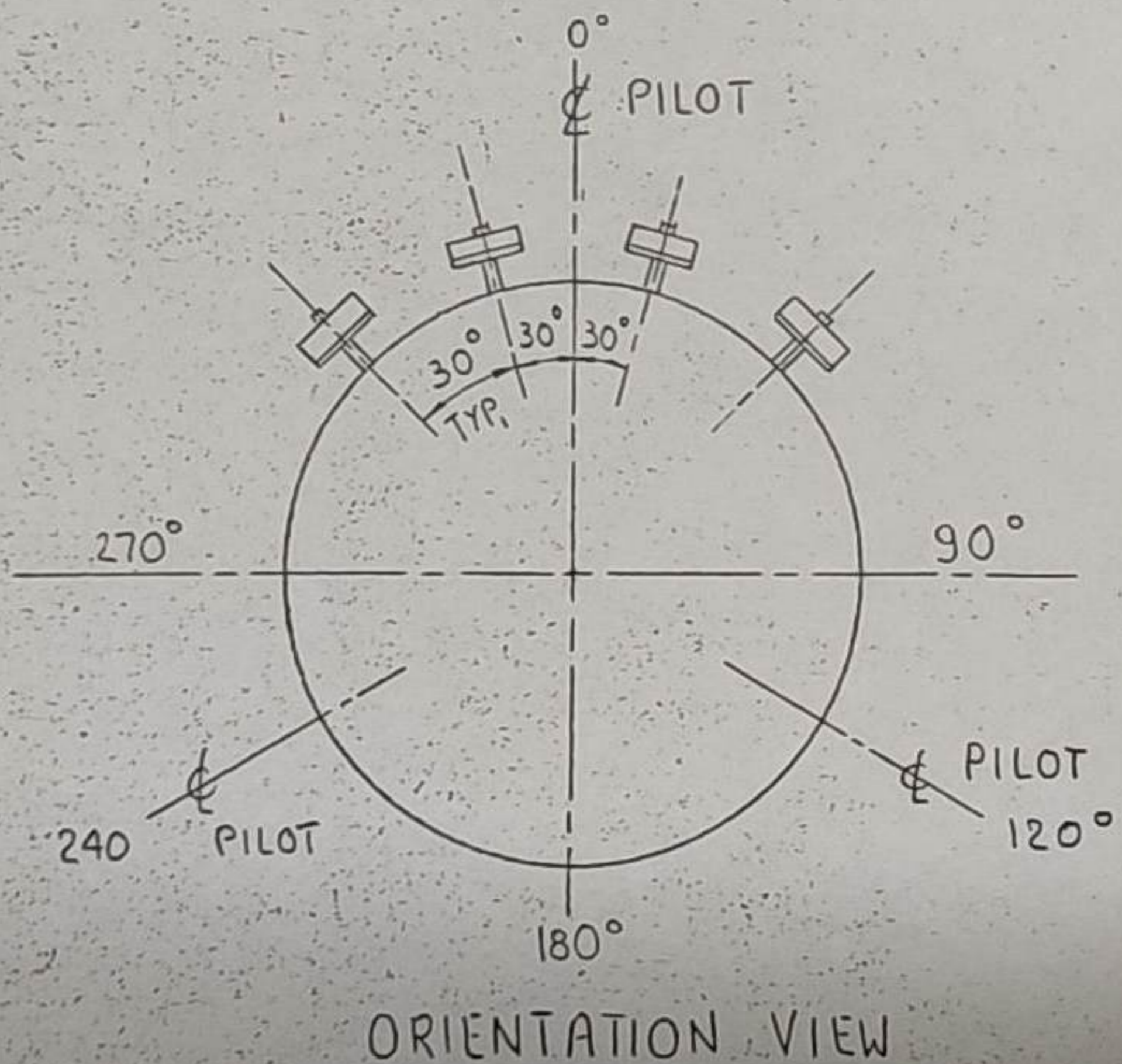
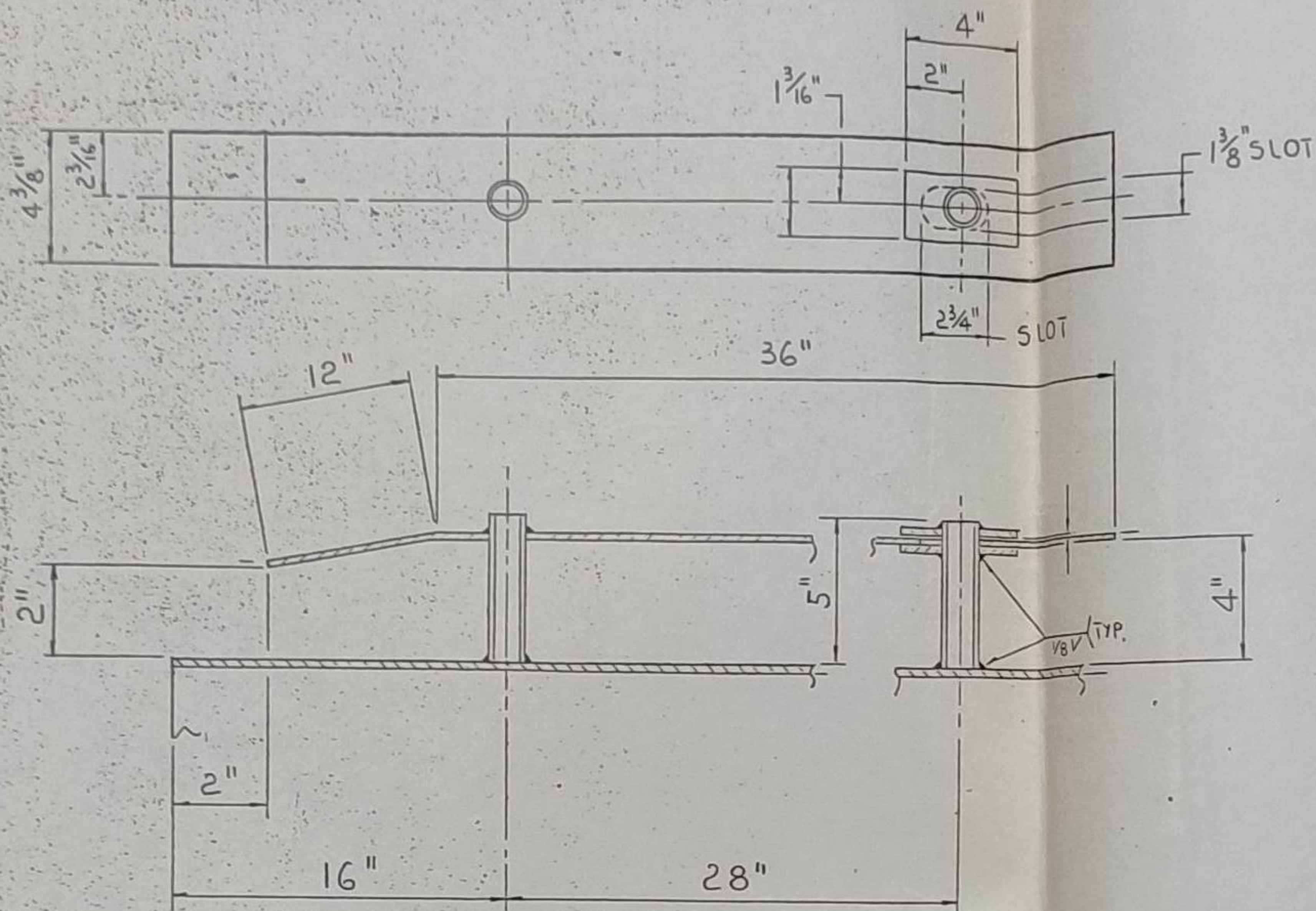
NOTES:

1. — WELDING PROCEDURE AND WELDING QUALIFICATIONS TO ASME IX, 10% RADIOGRAPHY OF MAIN BUTT WELDS OF FLARE BODY. ASSESSMENT IN ACCORDANCE WITH ASME VIII DIV. 1 LONGITUDINAL WELDS AT 180° SPACING, DISSIMILAR METALS ARE TO BE WELDED USING ELECTRODES COMPATIBLE WITH HIGHEST GRADE METAL.
2. — ALL WELDS TO BE 100% DYE PENETRANT INSPECTED.
3. — PRIOR TO ASSEMBLY ALL THREADS TO BE COATED WITH HIGH TEMPERATURE (1450°F) GREASE
4. — TRANSPORTATION - ALL FLANGES TO BE TIMBER DISC.
5. — FINISH. ALL EXPOSED C.S. SURFACES SHALL BE CLEANED PER SP. 6 SPECS PRIMED; PAINTED WITH 2 COATS OF SILICONE ALUMINUM.
6. — FABRICATION IN ACCORDANCE WITH P.E.C. SPECIFICATIONS PFS.-1001
7. — DRILL 1/8" Ø LARGER HOLE THEN THE THERMOCOUPLE END CONN. & FASTENED W/ JAM NUT (18/8 SS.) AS REQ. TO TO THE THERMOCOUPLE JT. BOX, WELD BRACKET - ITEM #3 TO ITEM # 2 AT FINAL ASSY.

ITEM	DWG#	STOCK #	DESCRIPTION	QTY	SPECS
17			1/4" HEX HD. NUT	4	18/8 SS.
16			1/4" x 3/4" LG. HEX HD. CAP SCREW	4	18/8 S.S.
15			T/C CABLE CLIP BRACKET	4	A240-310S
14			T/C CABLE CLIP	4	A316 SS
13	E-94289		NAME PL. BRACKET	1	
12	E-86190		NAME PL.	1	
11	C-97111		WIND DEFLECTOR ASSY.	8	
10	C-97104		PILOT ASSY	2	
9	D-97112		PILOT MANIFOLD ASSY	1	
8	E-97164		PURGE SEAL	1	A240-310S
5			FLAME STABILIZER LUGS - 1/4" THK	4	A240-310S
3			THERMOCOUPLE BRACKET - 1/4" THK	2	A240-310S
2			8" SCH. 40S PIPE	1	A312TP310S
1			8" R.F. S.O. 150* FLG.	1	A-105

DO NOT SCALE THIS DRAWING - ALL DIMENSIONS IN INCHES UP TO 72" MACHINE TOLERANCES UNLESS NOTED FOR DECIMALS 1.015" FOR FRACTIONS 1.015"		THIS DRAWING OWNS BY PEABODY ENGINEERING STAMFORD, CONN.	
IT IS CONDITIONALLY LOANED AND IS TO BE RETURNED UPON REQUEST. THE BORROWER BY RECEIVING IT HAS AGREED NOT TO REPRODUCE AND LOAN IT IN WHOLE OR IN PART AND TO RETURN IT IN ORIGINAL FORM TO THE LENDER. NO OTHER USE OR MODIFICATION IS PERMITTED.		8" UTILITY FLARE TIP "PBD-8"	
DRAWN	TRACED	RS	2.5
CHECKED			2L
JOB # 53027 DATE 1-10-86 SCALE		DRAWING NUMBER B-97113	
PEABODY ENGINEERING MICROFILM		FROM STD.	

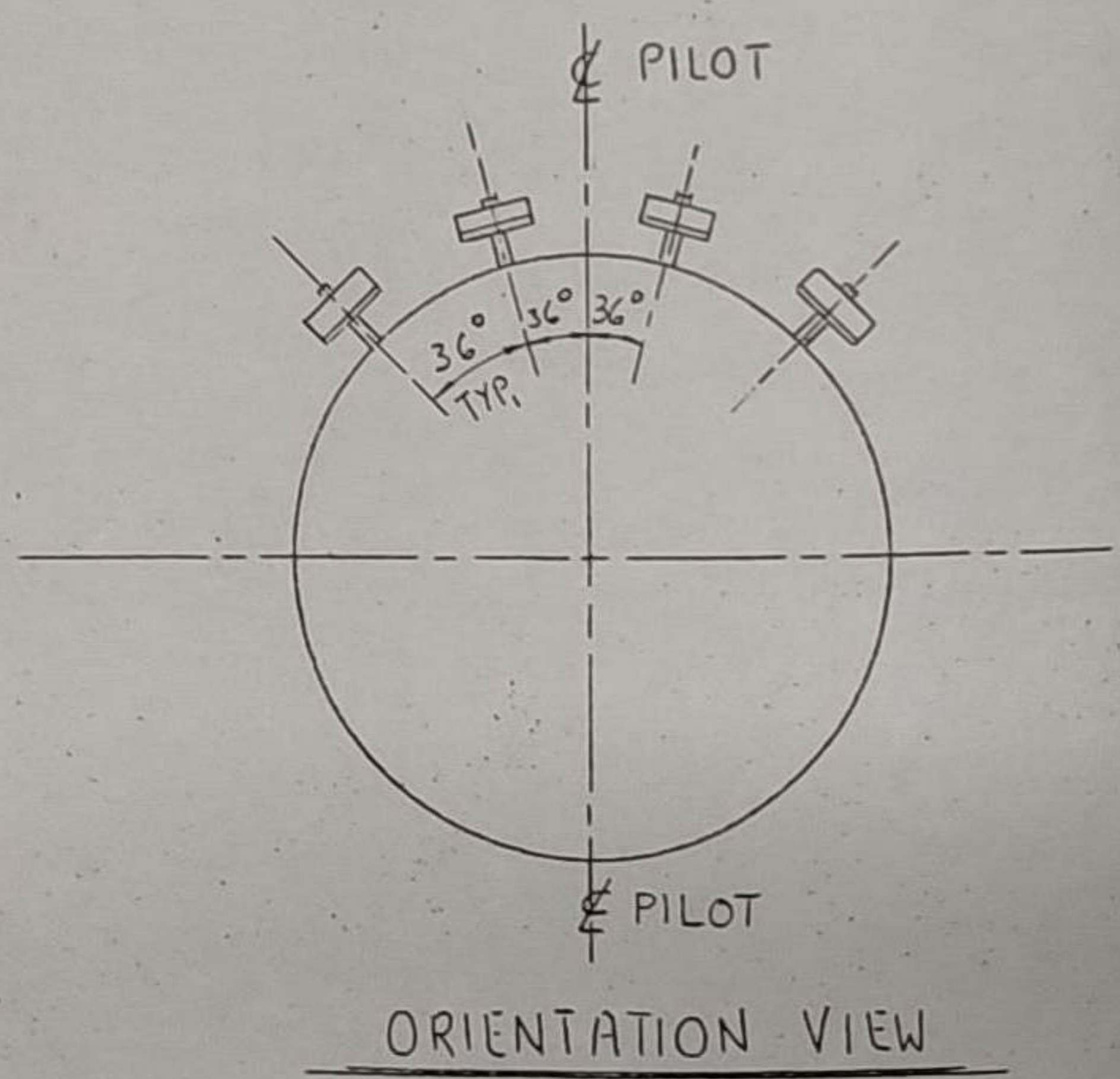
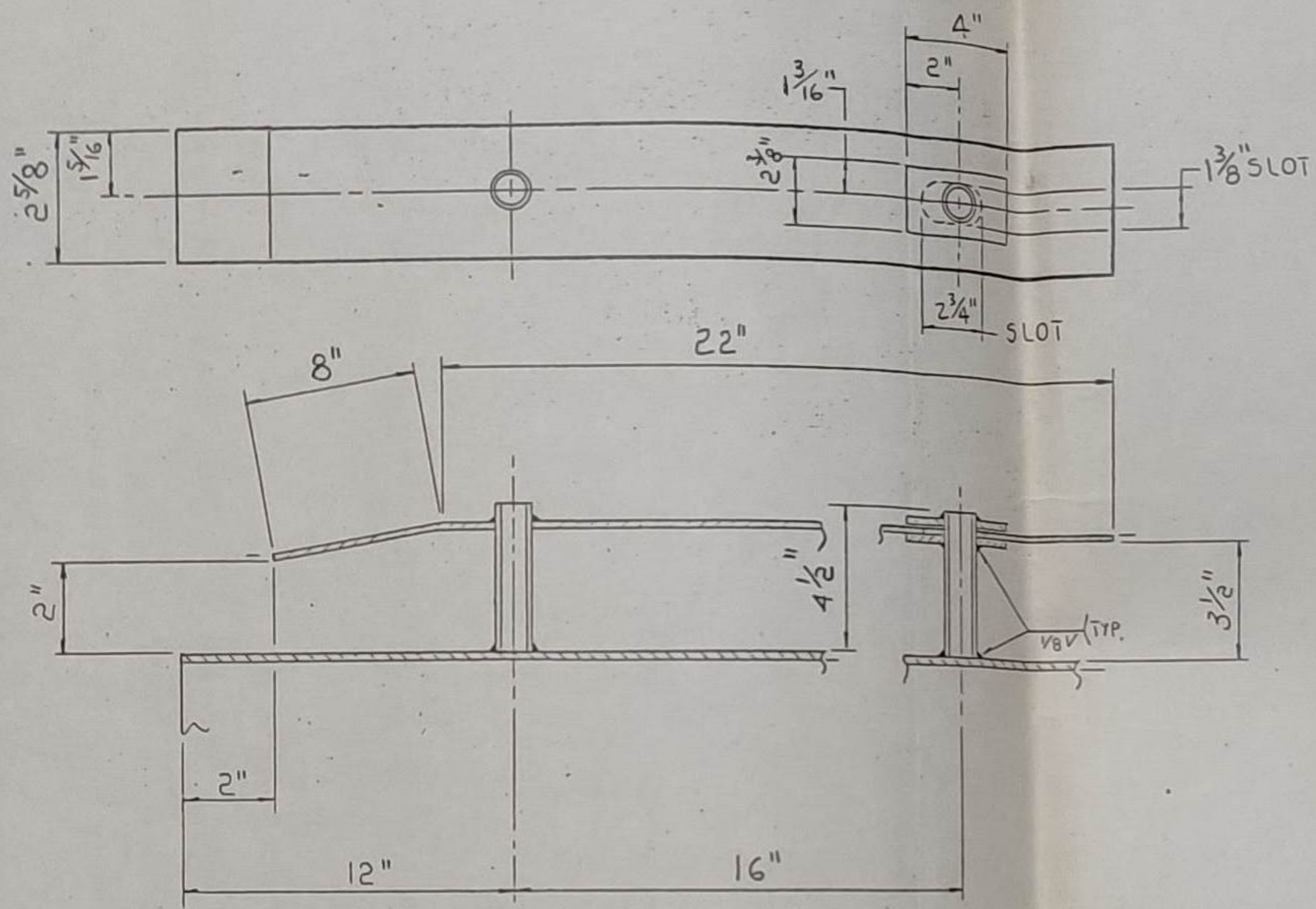
C-97107



ITEM	DWG. NO.	STOCK NO.	DESCRIPTION	QTY.	SPEC.
3			PIPE - 1" DIA. SCH 40 PIPE	18	A312-304L
2			DEFLECTOR LOCN PL - 1/4" TH'K	18	A240-310S
1			DEFLECTOR PL - 1/4" TH'K	9	A240-310S

<p>DO NOT SCALE THIS DRAWING - ALL DIMENSIONS IN INCHES UP TO 72"</p> <p>MACHINE TOLERANCES UNLESS NOTED: FOR DECIMALS ±.010" FOR FRACTIONS ±.015"</p>		<p>THIS DRAWING OWNED BY PEABODY ENGINEERING</p> <p>IT IS CONDITIONALLY LOANED AND IS TO BE RETURNED UPON REQUEST. THE BORROWER BY RECEIVING IT HAS AGREED NOT TO REPRODUCE NOR COPY IT IN WHOLE OR IN PART NOR TO FURNISH INFORMATION FROM IT TO OTHERS NOR TO MAKE ANY USE OF IT THAT IS OR MAY BE INJURIOUS TO</p> <p>PEABODY ENGINEERING FILMED STD.</p>		<p>Peabody Engineering STAMFORD, CONN.</p> <p>DETAIL OF WIND DEFLECTOR (24" TIP)</p>	
<p>REVISIONS</p>		<p>BY DATE FROM</p>		<p>DRAWN R.S. TRACED R.S. 1/4 CHECKED OL</p>	
				<p>JOB PROP. 56027 DATE 1-9-86 SCALE</p>	
				<p>DRAWING NUMBER C-97107</p>	

C-97111

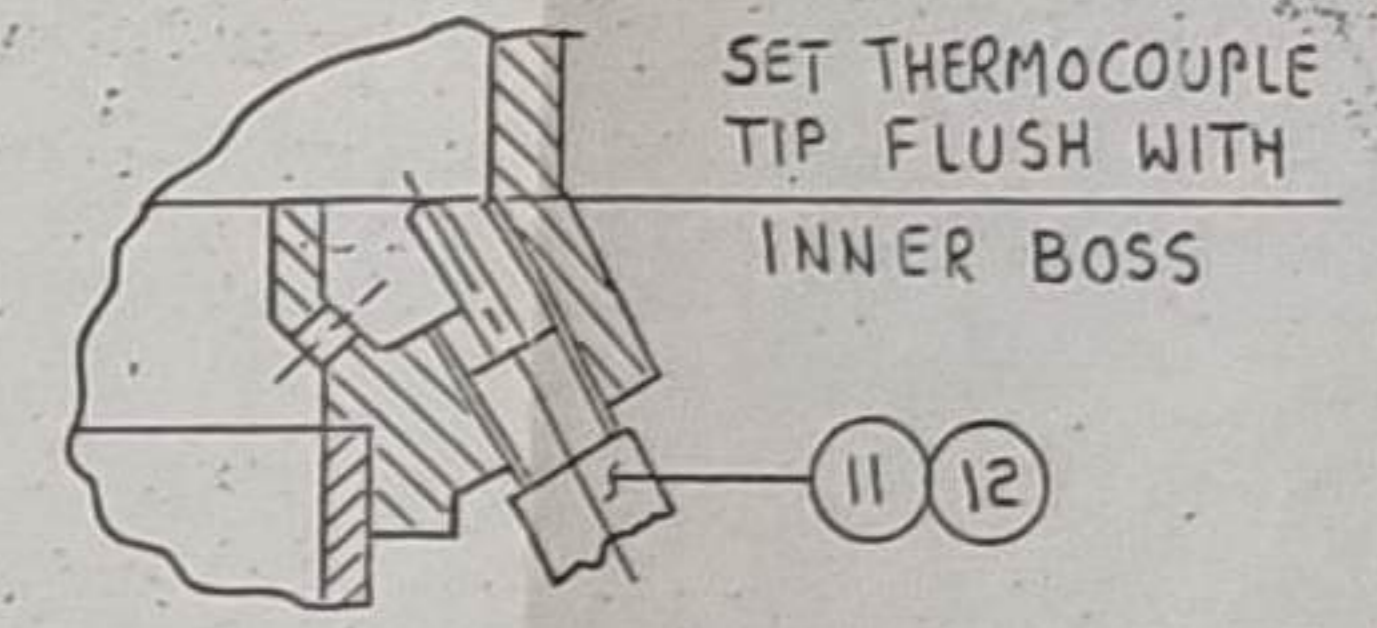
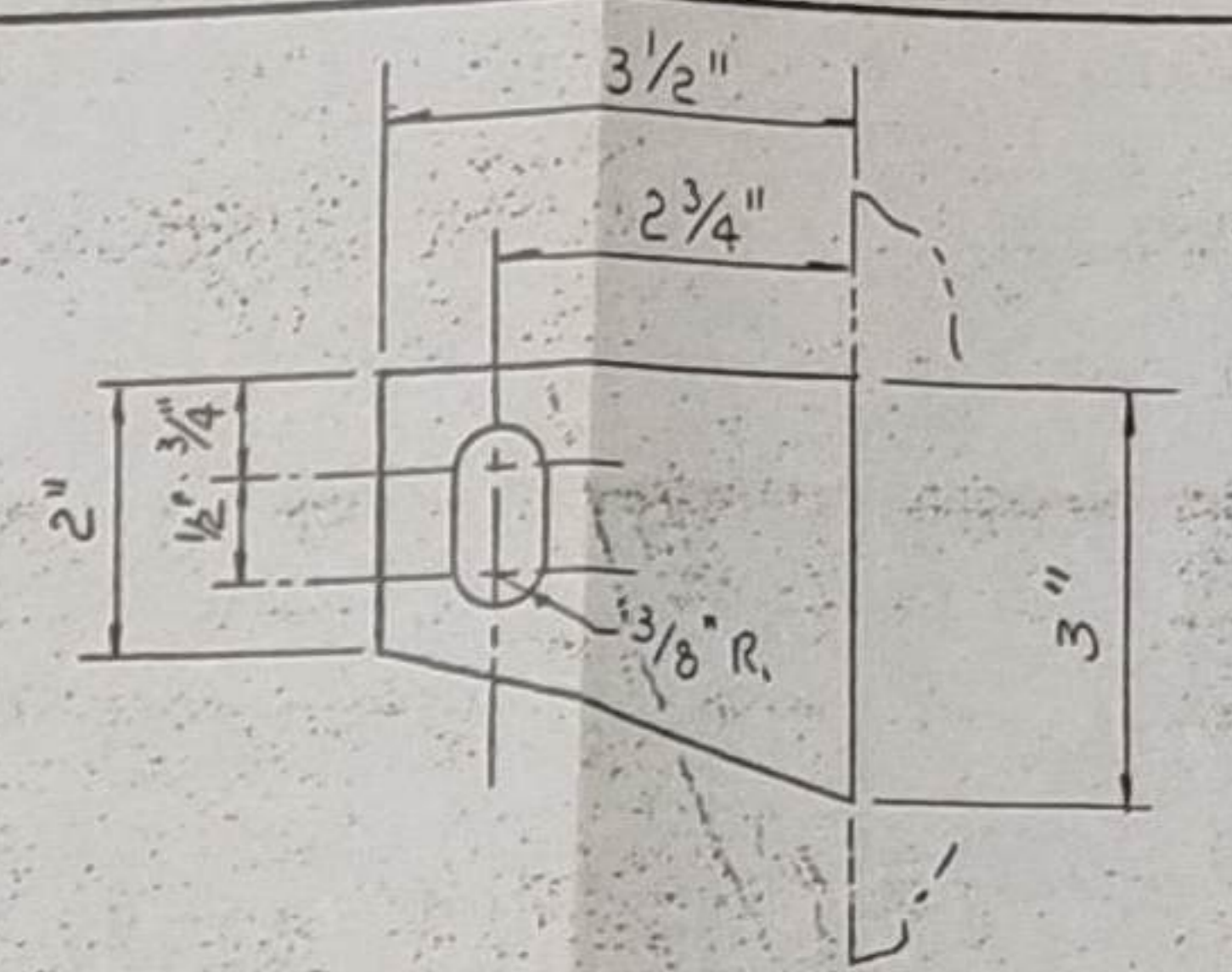
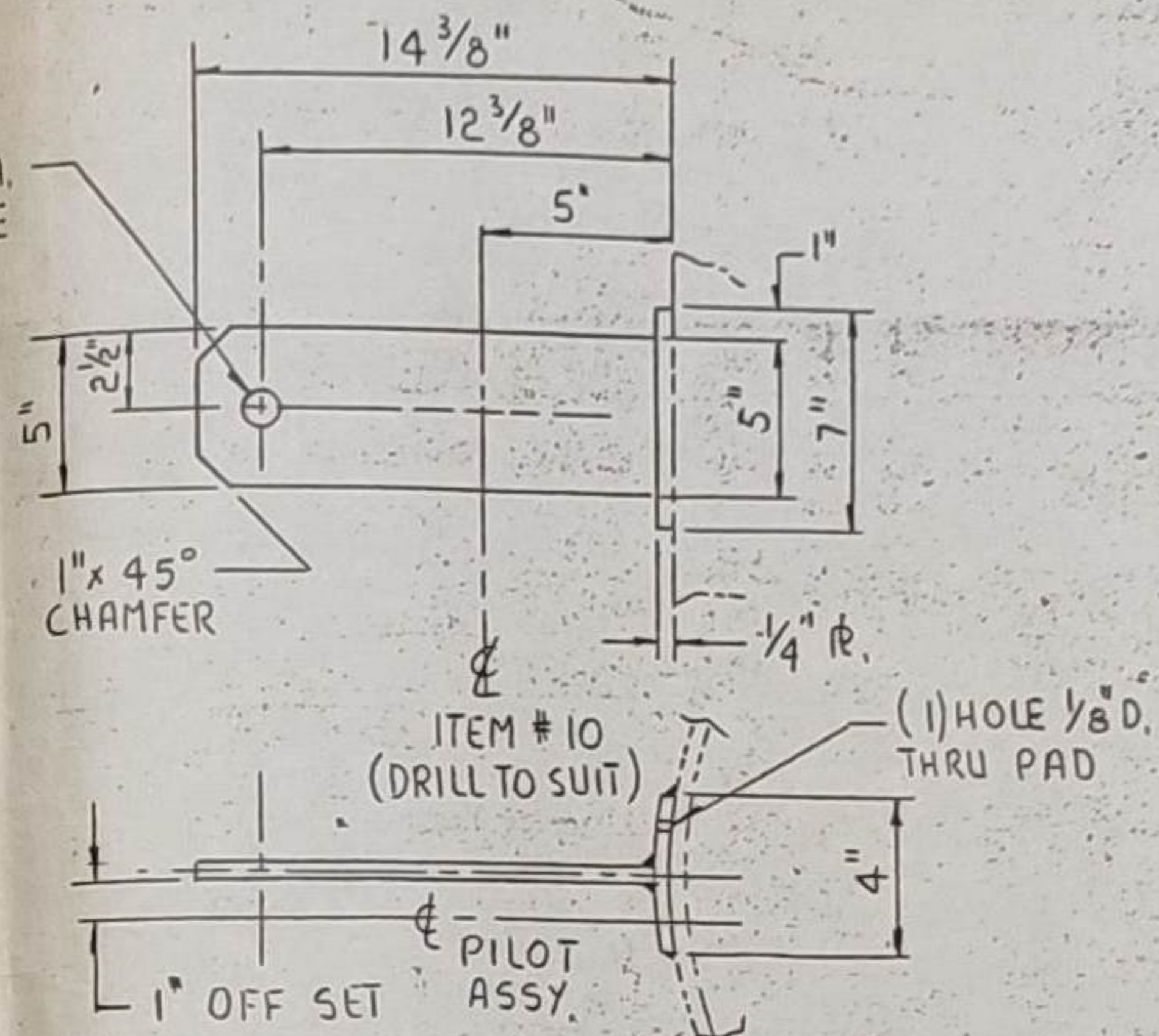
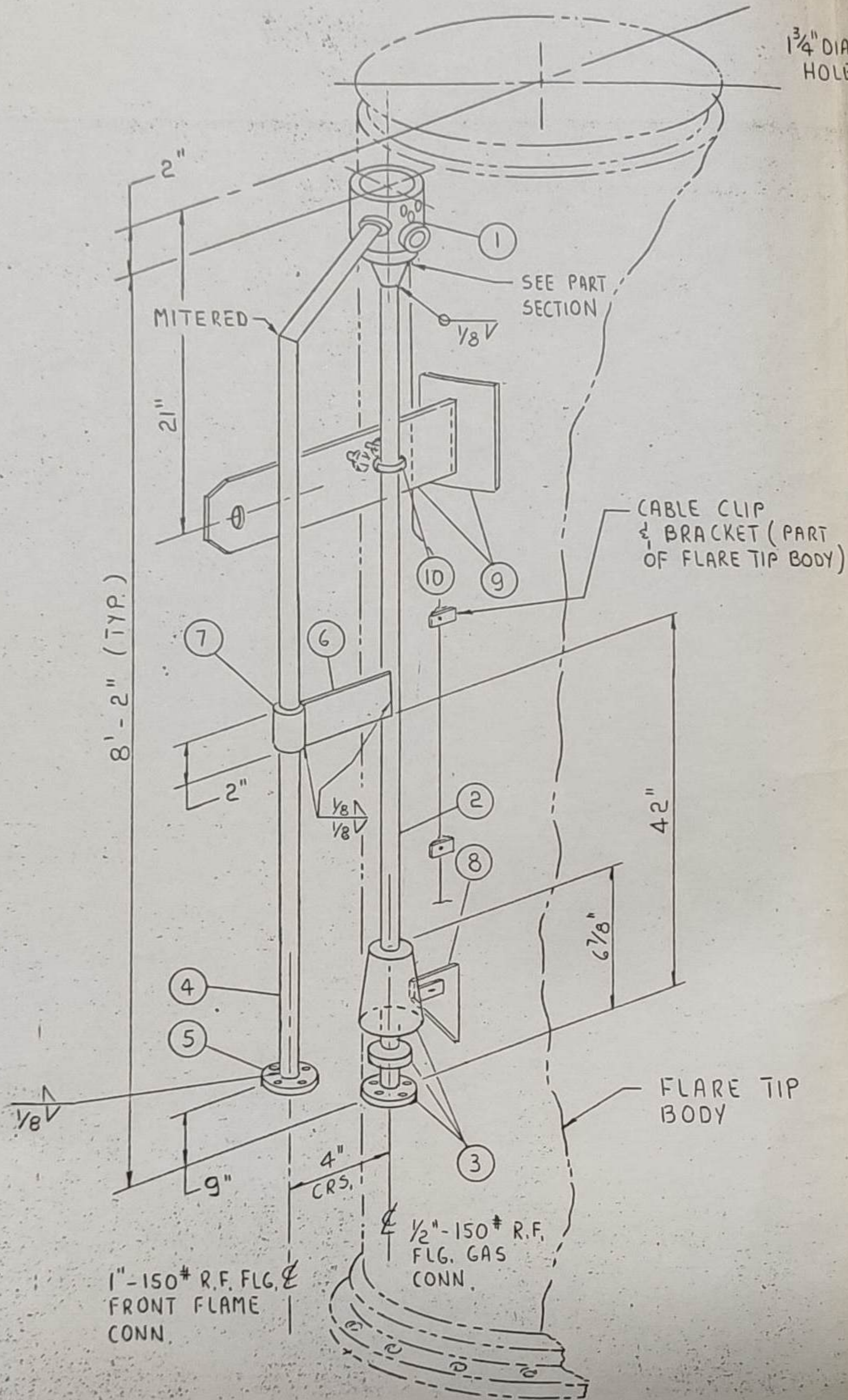


ORIENTATION VIEW

ITEM	DWG. N°	STOCK N°	DESCRIPTION	QTY.	SPEC.
3			PIPE - 1" DIA. SCH. 40 PIPE	16	A-312-304L
2			DEFLECTOR LOC'N PL - 1/4" TH'K	16	A240-310S
1			DEFLECTOR PL. - 1/4" TH'K	8	A240-310S

<p>DO NOT SCALE THIS DRAWING - ALL DIMENSIONS IN INCHES UP TO 72" MACHINE TOLERANCES UNLESS NOTED. FOR DECIMALS ± .010" - FOR FRACTIONS ± .015"</p>		<p>THIS DRAWING OWNED BY PEABODY ENGINEERING</p> <p>IT IS CONDITIONALLY LOANED AND IS TO BE RETURNED UPON REQUEST. THE BORROWER BY RECEIVING IT HAS AGREED NOT TO REPRODUCE NOR COPY IT IN WHOLE OR IN PART NOR TO FURNISH INFORMATION FROM IT TO OTHERS NOR TO MAKE ANY USE OF IT THAT IS OR MAY BE INJURIOUS TO</p> <p>PEABODY ENGINEERING</p>		<p>Peabody Engineering STAMFORD, CONN.</p> <p>DETAIL OF WIND DEFLECTOR (8" TIP)</p>	
<p>REVISIONS</p>		<p>DATE</p>	<p>BY</p>	<p>FROM</p>	<p>DRAWN R.S. TRACED R.S. 1/2 CHECKED OL</p> <p>JOB PROP. 56027 DATE 1-9-86 SCALE</p> <p>DRAWING NUMBER C-97111</p>

C-97105



DETAIL FOR ITEM #9

DETAIL FOR ITEM #8

PART SECTION THREE
ITEM #1

ITEM	DWG. N°/STOCK N°	DESCRIPTION	REQ. PER UNIT	SPECS.
12	BY P.E.C.	COMPR. FITTING TO SUIT ITEM # 11	1	316 S.S.
11	BY P.E.C.	THERMOCOUPLE	1	TYPE "K"
10		"U" BOLT FOR 1/2" PIPE	1	18/8 S.S.
9		PILOT BRACKET / LIFTING LUG, 1/4" THK	1	A240-310S
8		INSPIRATOR GUIDE PLATE	1	A240-304
7		GUIDE PIPE 1 1/4" SCH. 40	1	A312 TP304L
6		1/4" WEB PL.	1	A240-304
5		1" 150# R.F. S.O. FLG.	1	A-105
4		1" SCH. 40 PIPE (IGNITOR PIPE)	AS REQ.	A312 TP 304L
3	C-91819	INSPIRATOR ASSY. (BY P.E.C.)	1	C. S.
2		1/2" SCH. 40 PIPE (PILOT PIPE)	AS REQ.	A312 TP304L
1	B-92981	BURNER PILOT NOZZLE (BY P.E.C.)	1	HIGHNICKEL ALLOY

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PILOT ASSY. - 24" TIP (3 REQ.)

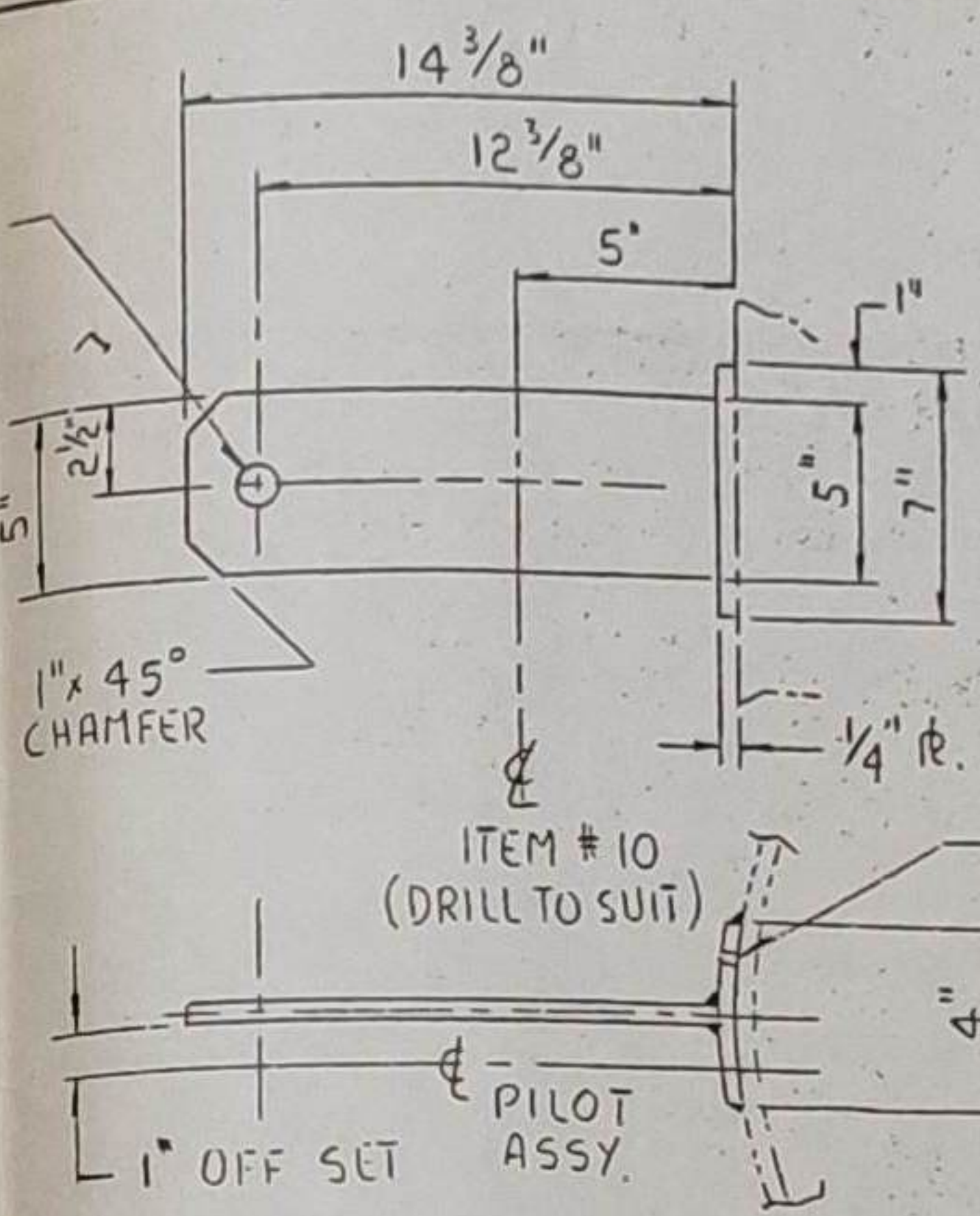
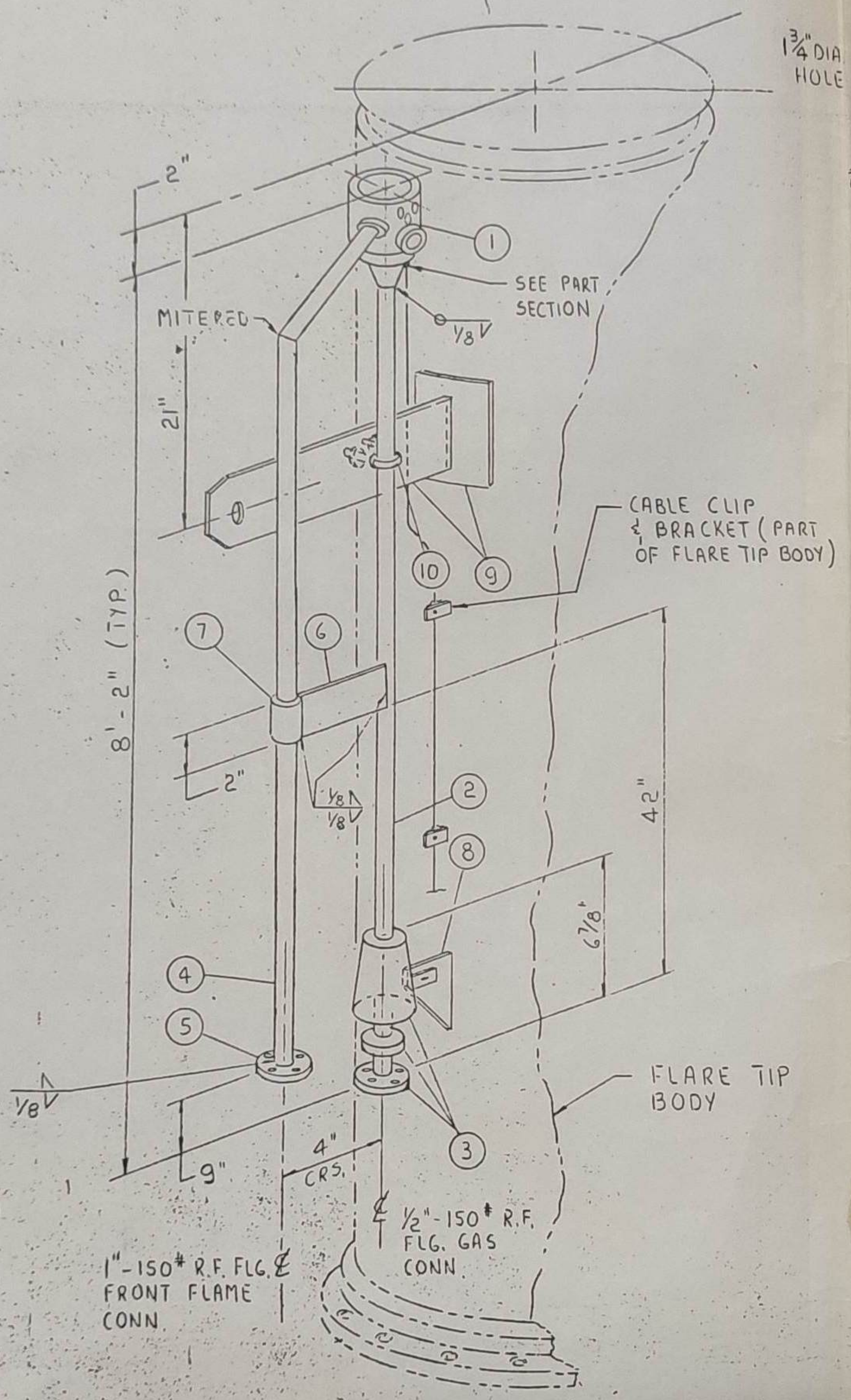
DRAWN R.S. TRACED R.S. 1.5 CHECKED OL

JOB PROP. 56027 DATE 1-8-86 SCALE

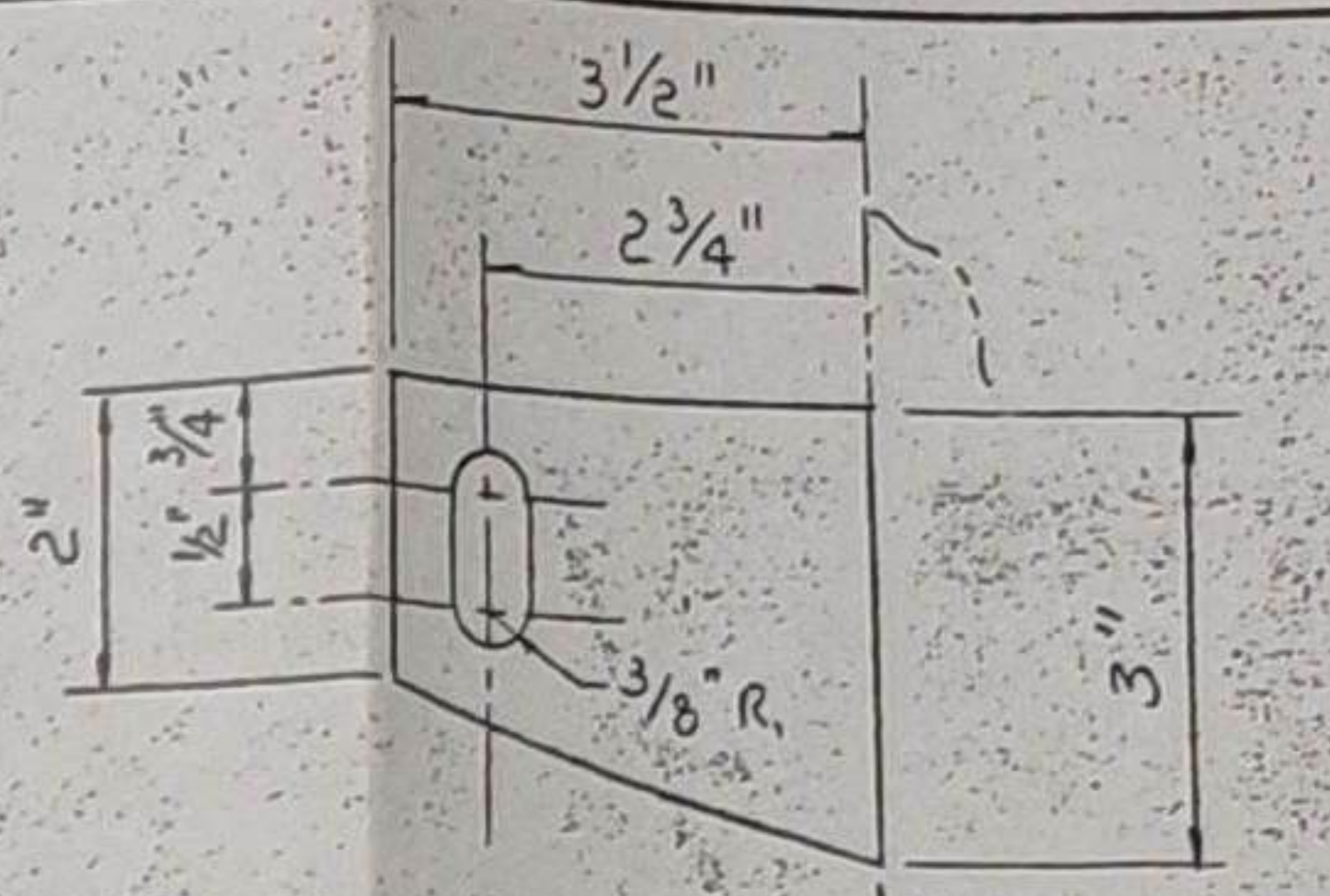
DRAWING NUMBER **C-97105**

REVISIONS BY DATE FROM C-94693

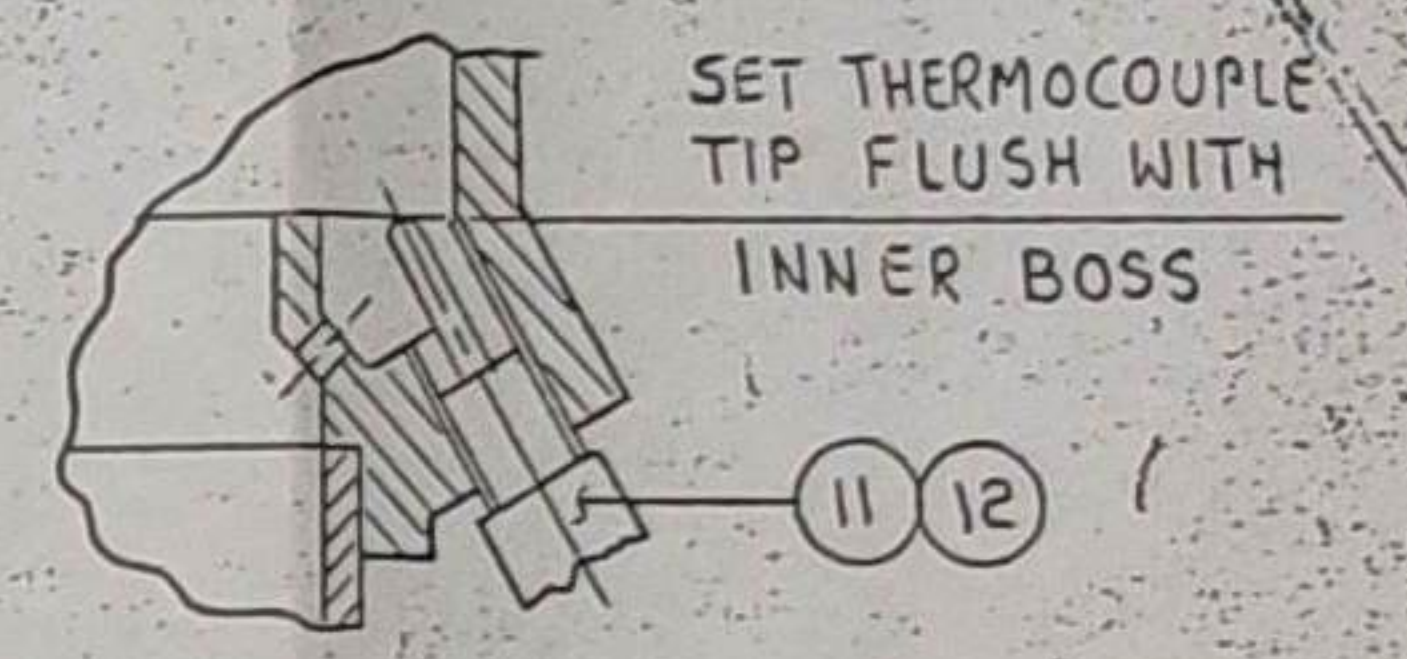
C-97104



DETAIL FOR ITEM #9



DETAIL FOR ITEM #8



PART SECTION THREE
ITEM #1

ITEM	DWG. N°/STOCK N°	DESCRIPTION	REQ. PER UNIT	SPECS.
12	BY P.E.C.	COMPR. FITTING TO SUIT ITEM # 11	1	316 S.S.
11	BY P.E.C.	THERMOCOUPLE	1	TYPE "K"
10		"U" BOLT FOR 1 1/2" PIPE	1	1/8" S.S.
9		PILOT BRACKET / LIFTING LUG, 1/4" THK	1	A240-310S
8		INSPIRATOR GUIDE PLATE	1	A240-304
7		GUIDE PIPE 1 1/4" SCH. 40	1	A312 TP304L
6		1/4" WEB PL.	1	A240-304
5		1" 150# R.F. S.O. FLG.	1	A-105
4		1" SCH. 40 PIPE (IGNITOR PIPE)	AS REQ.	A312 TP304L
3	C-91819	INSPIRATOR ASSY. (BY P.E.C.)	1	C.I.S.
2		1 1/2" SCH. 40 PIPE (PILOT PIPE)	AS REQ.	A312 TP304L
1	B-92981	BURNER PILOT NOZZLE (BY P.E.C.)	1	HIGHNICKEL ALLOY

DO NOT SCALE THIS DRAWING - ALL DIMENSIONS IN INCHES UP TO 72"
MACHINE TOLERANCES UNLESS NOTED
FOR DECIMALS ±.010" FOR FRACTIONS ±.015"

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PILOT ASSY. - 8" TIP
(2 REQ.)

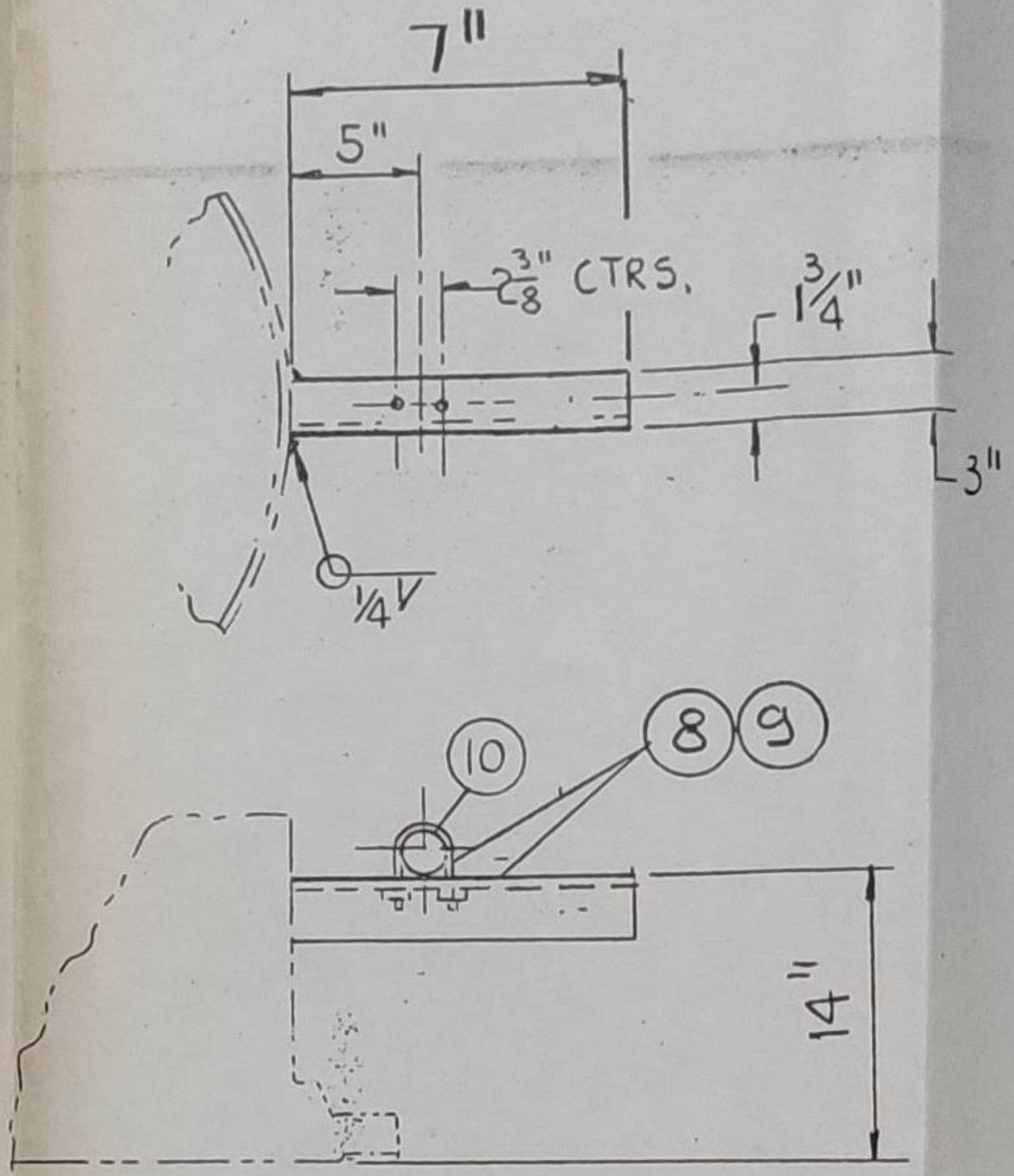
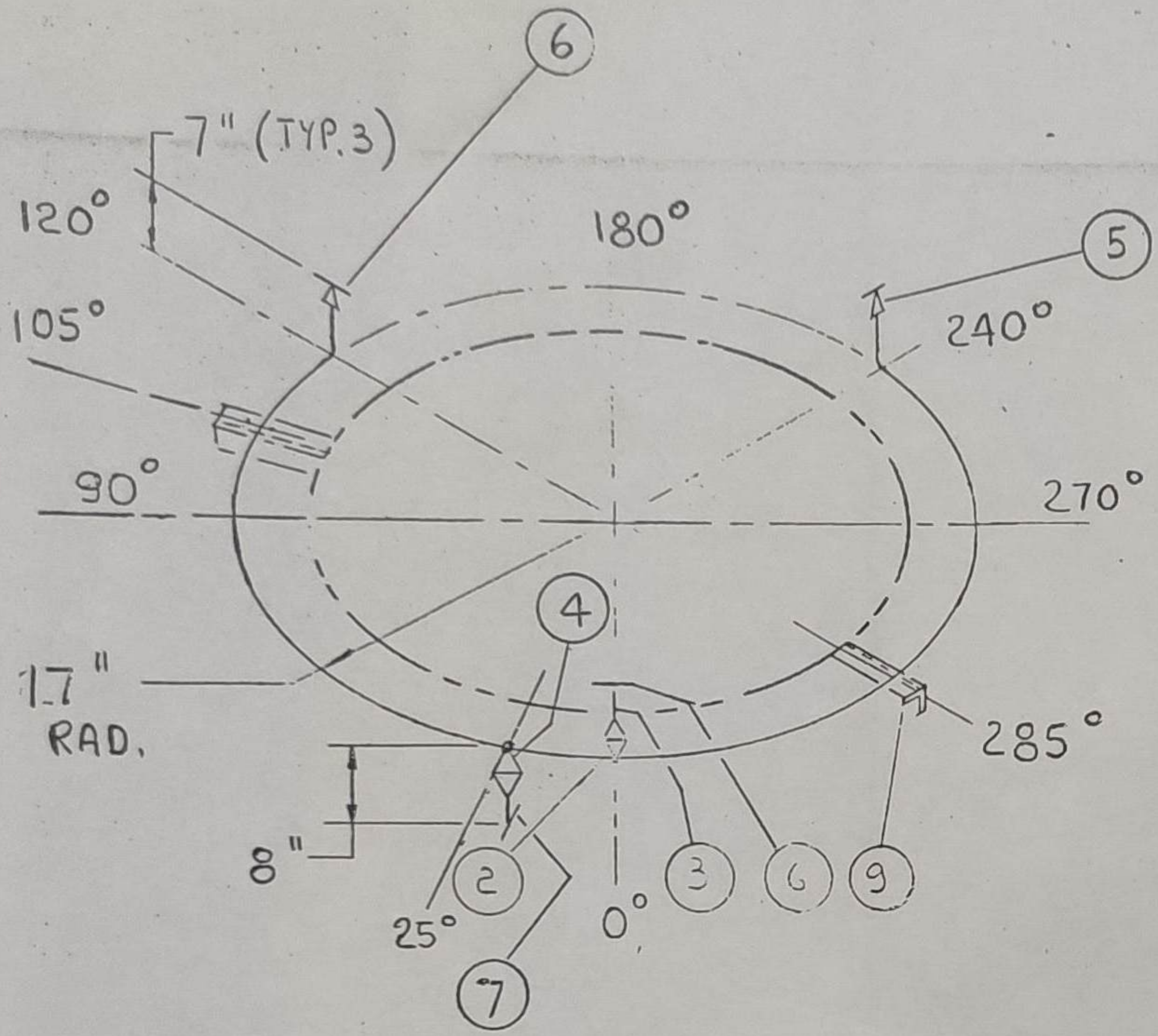
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DRAWN R.S. TRACED R.S. 1/4 CHECKED DL
JOB PROP. 56027 DATE 1-8-86 SCALE

FROM C-94693

DRAWING NUMBER **C-97104**

D-97109



ITEM	DWG N°/STOCK N°	DESCRIPTION	REQ.	SPECS.
10		"U" BOLT FOR 1/2" PIPE W/NUTS	2	18/8 S.S.
9		SUPPORT BRACKET, 2" x 2" x 1/4" ANGLE	2	A240-310S
8		"U" BOLT FOR 1" PIPE W/NUTS	2	18/8 S.S.
7		1" 150# R.F. F.S. S.W. FLG	1	A-105
6		1/2" 150# R.F. F.S. W.N. FLG	3	A-105
5		1" x 1/2" CONC. REDUCER B.W	2	A-234 WPB
4		WELDOLET 1" LINE 1" BRANCH 3000#	1	A-105
3		1/2" SCH. 80 PIPE (CUT TO SUIT)	1	A-53-B
2		1/2" WELDOLET 3000#	1	A-105
1		1" SCH 80 PIPE	AS REQ.	A-53-B

NOTE:
 ITEM # 6 & 7 SUPPLIED WITH
 STUDS, NUTS & GASKET
 MATERIAL:
 STUDS - A-193 - B7
 NUTS - A-194 - 2H
 GASKET - 1/16" ASBESTOS

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 MACHINE TOLERANCES UNLESS NOTED
 FOR DECIMALS ± .010" FOR FRACTIONS ± .015"

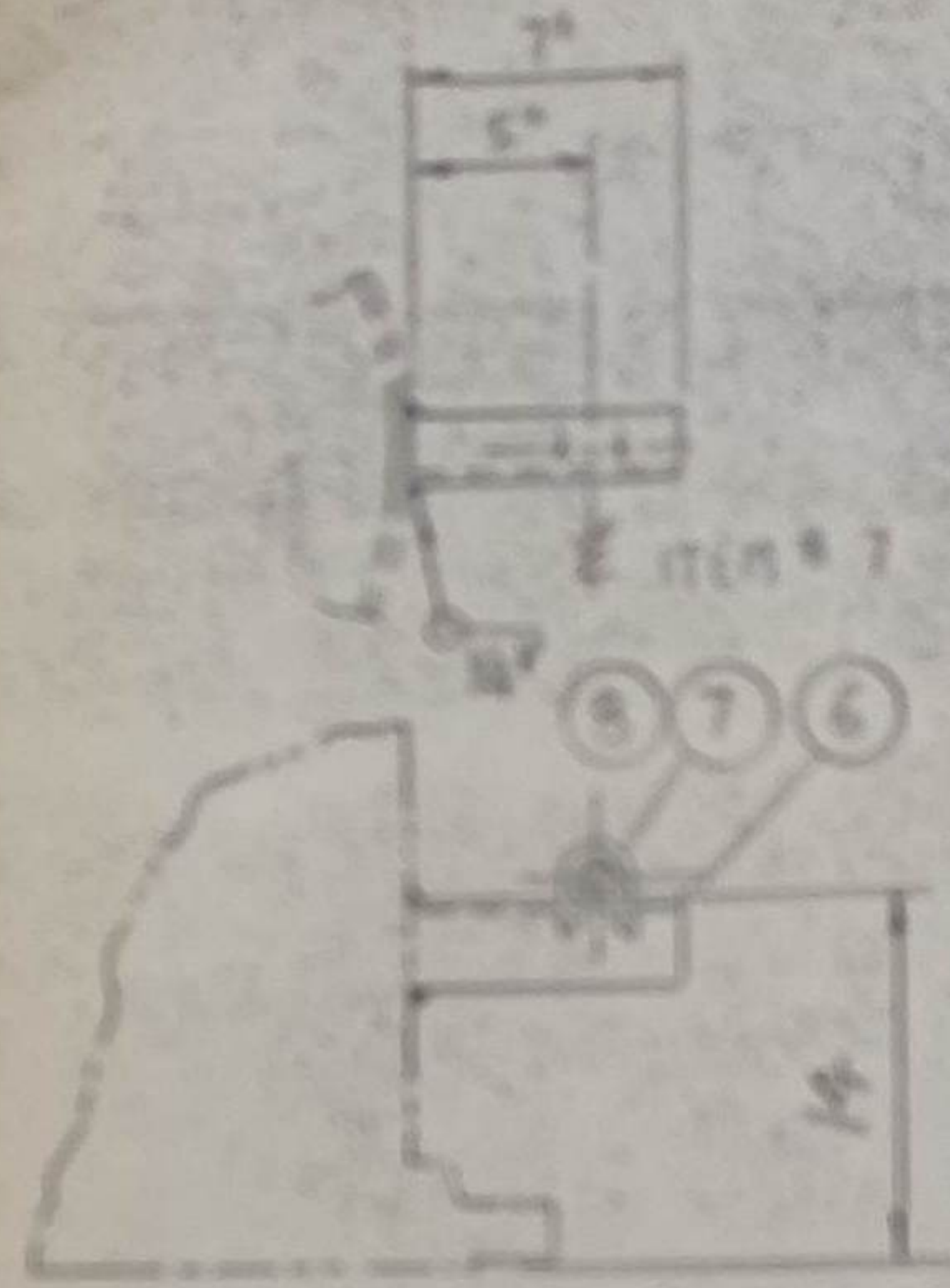
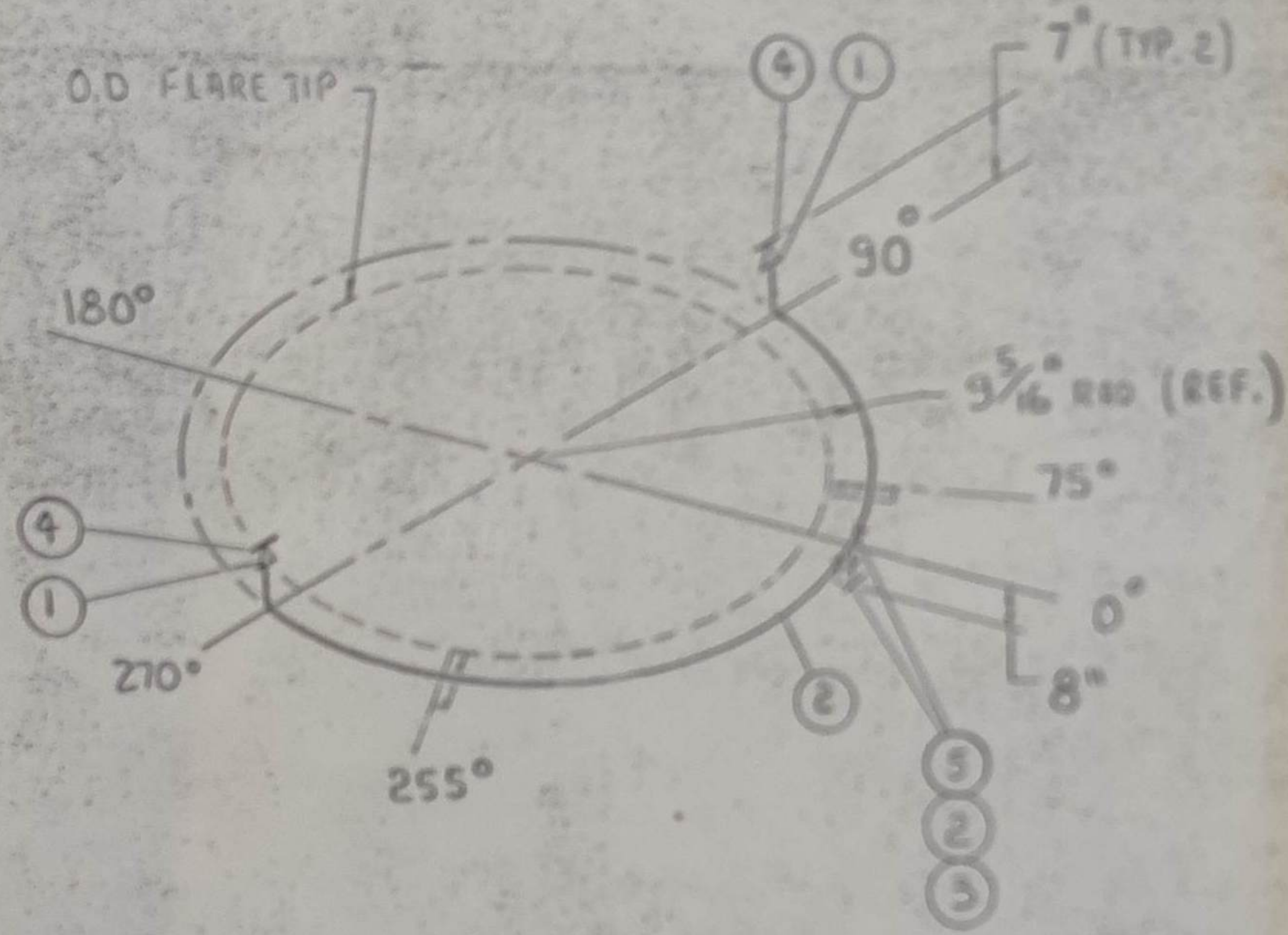
REVISIONS	BY	DATE

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 MICROFILMED
 D-96314-A

Peabody Engineering
 STAMFORD, CONN.
PILOT MANIFOLD ASSY.
 (3 POSN'S ARRGT)
 DRAWN R.S.
 JOB PROP. 56027
 TRACED RS 1.0
 DATE 1-9-86
 CHECKED OL
 SCALE
 DRAWING NUMBER **D-97109**

D-97112

ITEM	DWG. No / STOCK No	DESCRIPTION	REQ	SPECS
8		5/8" NUT FOR ITEM #7	4	18/8 S.S.
7		5/8" "U" BOLT	2	18/8 S.S.
6		MANIFOLD SUPPORT BRACKET (2" x 2" x 1/2")	2	A140-304
5		TEE STD. WT 1" x 1" x 1" B.W.	1	A-106 B
4		1/2" 150# R.F. F.S. S.W. FLG.	2	A-105
3		1" 150# R.F. S.W. FLG.	1	A-105
2		1" SCH 80 PIPE	AS REQ	A-106 B
1		1" x 1/2" CONC. B.W. REDUCER SCH 80	2	A-106 B



DETAIL OF ITEM #6

NOTE:

ITEM #4 SUPPLIED WITH STUD BOLT,
NUTS & GASKETS AS REQ.

MATERIALS:

STUDS - A 193 B7
NUT - A 174 2H
GASKET 7/16" THK ASBESTOS

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MACHINE TO DIMENSIONS UNLESS NOTED
FOR DETAILS 1:100

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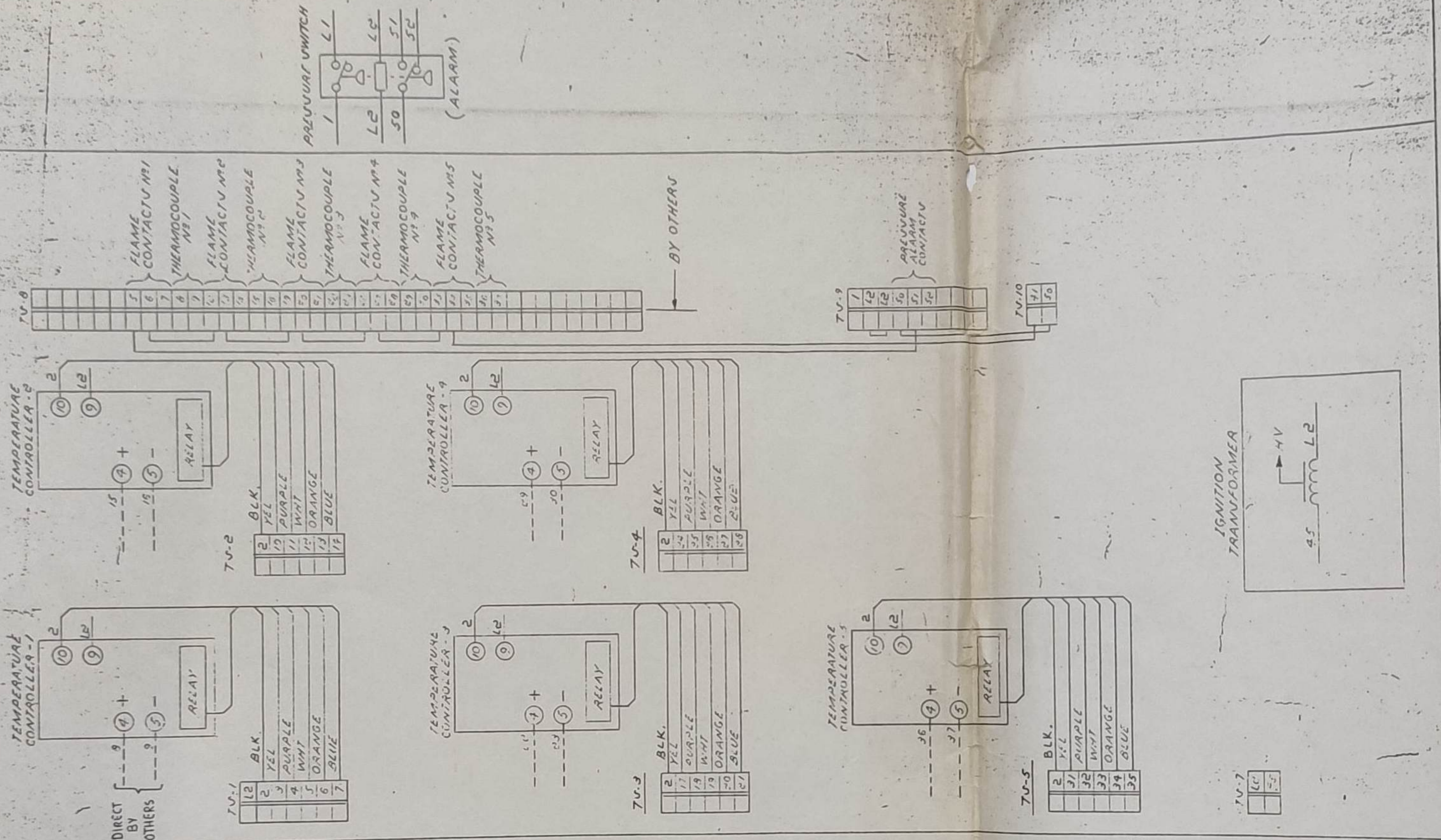
FROM 8-94656A

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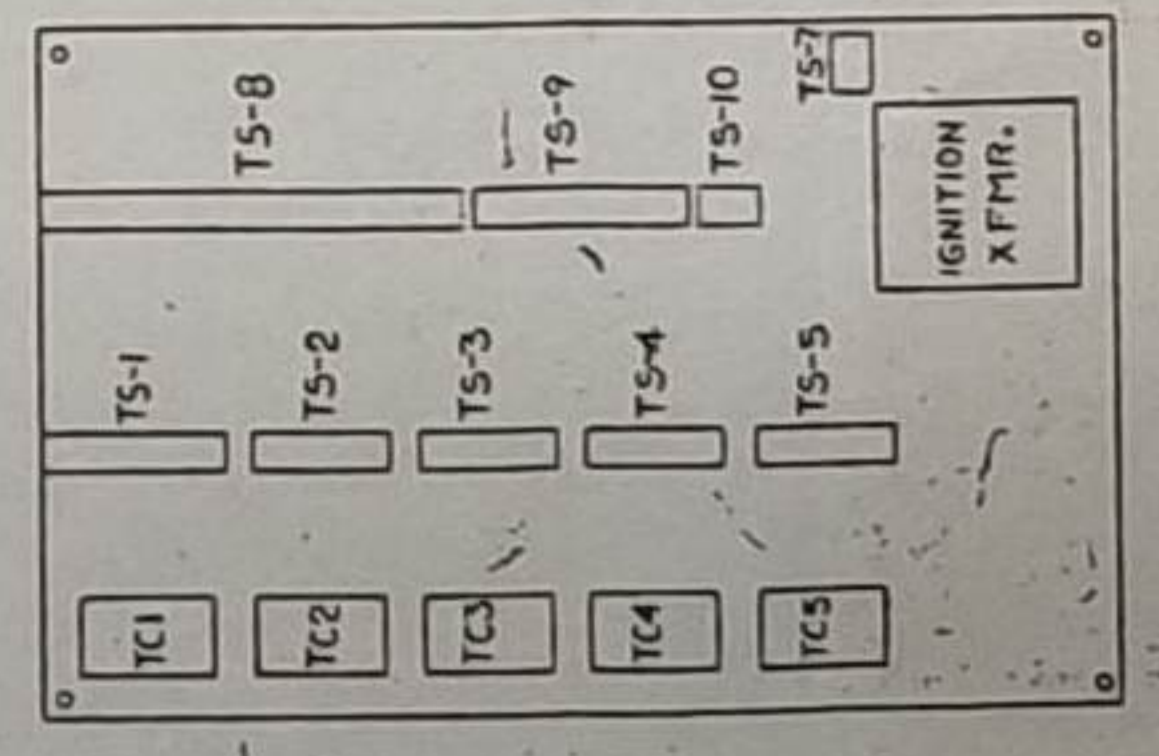
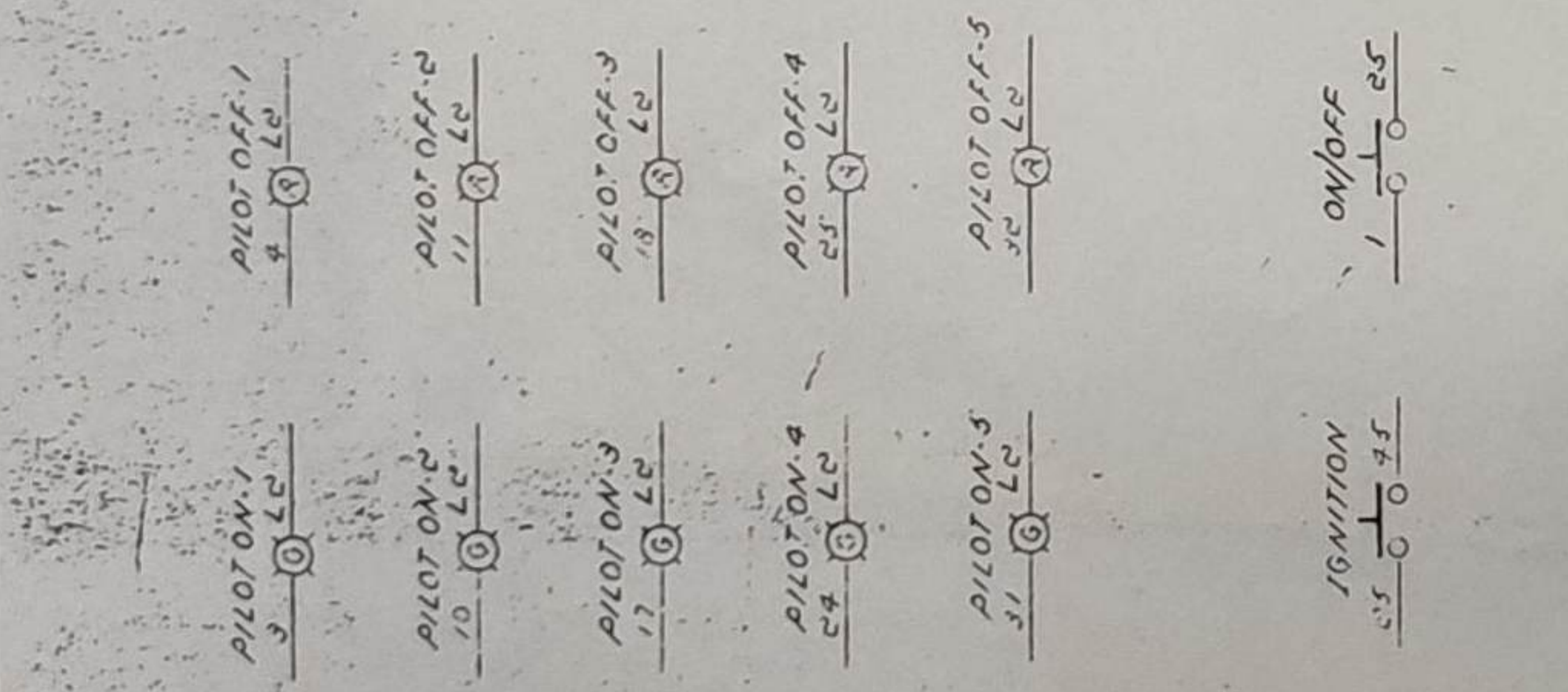
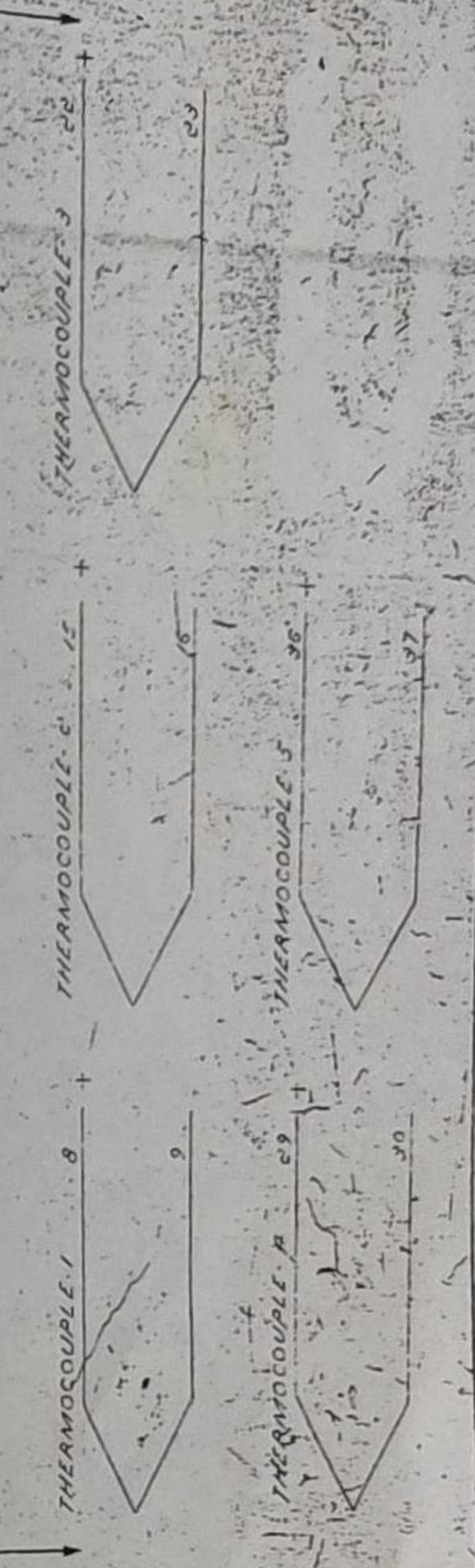
PILOT MANIFOLD ASSY.
(2 POSN'S ARCT) 8" TIP

DESIGNER	R.S.	CHECKED	J.C.
DATE	5-9-46	SCALE	1:1

DRAWING NUMBER D-97112



FIELD WIRING



PANEL LAYOUT

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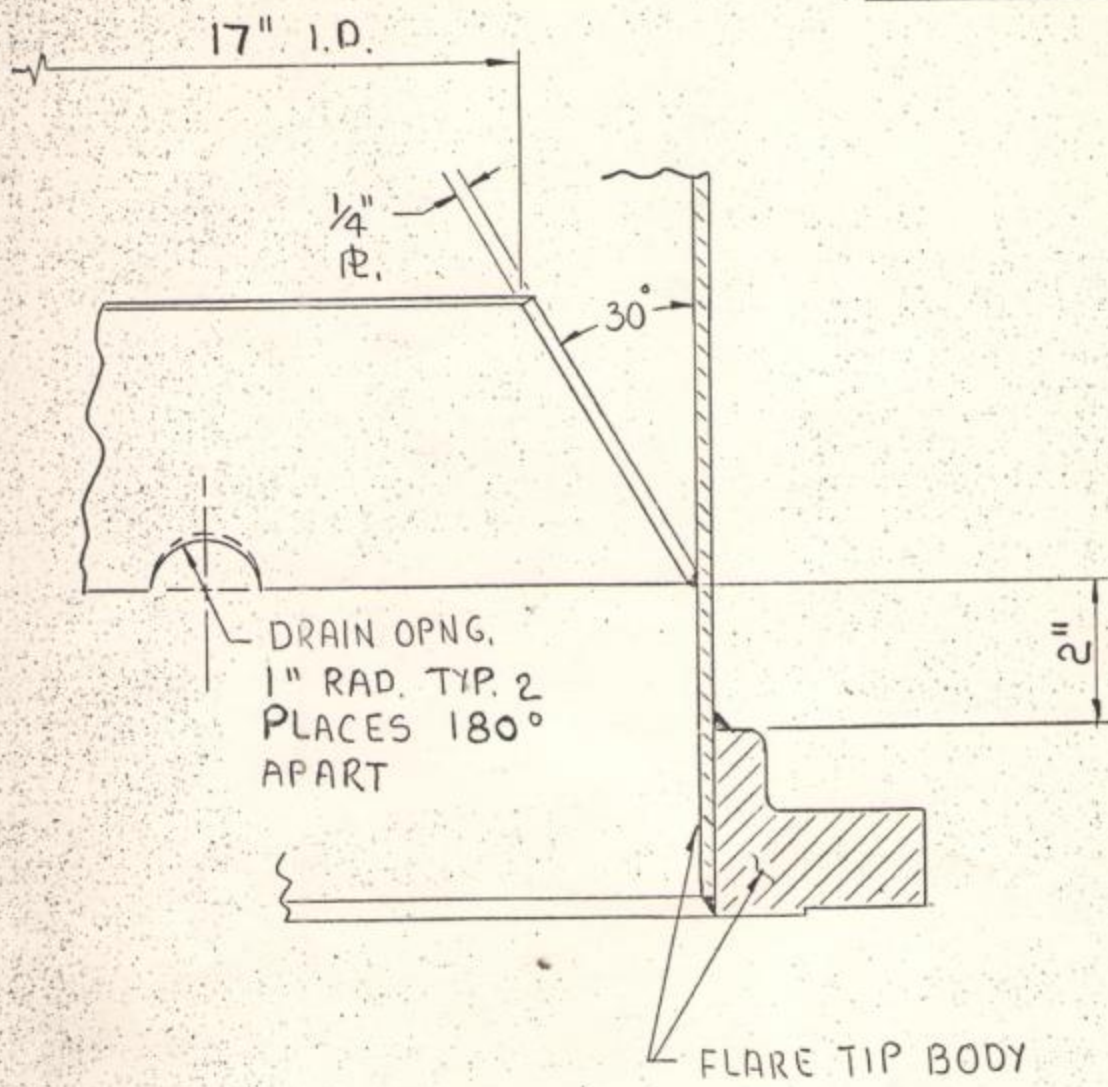
REV	DESCRIPTION	DATE	BY	CHECK
X/B	REVISED AS GUILD (AFTER THIS DWG WAS MICROFILMED)		R.S.	
X/A	JOB NO. WAS 13000-154, 280000 THERMOCOUPLE CONTROL		R.S.	DL

Peabody Engineering
STEAMBOILER DIVISION

CONTROL CABINET WIRING

DATE: 1-20-64
DRAWING NUMBER: B-94301-B

PEABODY ENGINEERING MICROFILMED B-93675



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FOR DECIMALS ±.010" FOR FRACTIONS ±.015"

REVISIONS	BY	DATE

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FROM **STD**

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STAMFORD, CONN.

PURGE SEAL DETAIL

DRAWN R.S.	TRACED R.S.	CHECKED OL
PROJ. 56027	DATE 1-9-86	SCALE 1/4"
DRAWING NUMBER E-97108		

