

ITEM	QTY	DESCRIPTION
1	1	1" 150# SLIP NECK FLANGE
2	2	1" 150# FLANGE WELDING NECK
3	1	1" TO 3/4" SCH 10 REDUCING TEE
4	1	1" PIPE SCH 10
5	1	3/4" LONG RADIUS ELBOW SCH 10
6	1	3/4" O.D. TUBING
7	1	1" 150# FLANGE WELDING NECK
8	1	1" TO 3/4" SCH 10 REDUCING TEE
9	1	1" PIPE SCH 10
10	1	3/4" LONG RADIUS ELBOW SCH 10
11	1	3/4" O.D. TUBING
12	2	A-30144-A FLANGED CONNECTION FOR COILS
		A-30168-A FLANGED CONN. FOR STEAM IN
		A-30168-B FLANGED CONN. FOR COND. OUT
		A- FLANGED CONN. FOR DRAIN
		A- FLANGED CONNECTION FOR JACKET

NOTE:
SECTION A A SHOWN
ON DRAWING D-30157

WELDING NECK FLANGE ⑧
INLET (UPPER SECTION)

1" 150# SLIP NECK FLANGE ⑨
STEAM INLET (RTM SECTION)
FOR MELTING CONDENSATE
TO EMPTY TRAP
USE 40 PSI SATURATED
STEAM

VACUUM GAUGE
CONNECTION
1/4" 150# COUPLING

19" N.T.S.
COND. OUT
1" FLANGE

DRAIN ⑪

1" 150# FLANGE
WELDING NECK
1" TO 3/4" SCH 10 REDUCING TEE
1" PIPE SCH 10
3/4" PIPE SCH 10
3/4" LONG RADIUS ELBOW
SCH 10
3/4" O.D. TUBING

⑫ COIL OUT: JACKET COOL
1" 150# FLANGE, 1" TO 3/4" SCH 10
REDUCING TEE, 3/4" L.R. ELBOW
SCH 10, 1" PIPE SCH 10, 3/4" O.D. TUBING

1" PAD BETWEEN
SUPPORT & STRUCTURAL SUPPORTS

FINAL ASSEMBLY 30" COLD TRAP

NOTE:
SEE DRAWING D-30157B
SECTION A-A FOR LEFT HAND TRAP (3REQ'D)
SEE C-30138B FOR RIGHT HAND TRAP ORIENTATION

WEIGHT EMPTY: 1170#
WEIGHT OPERATING: 1270#
1" INSULATION BY PURCHASER

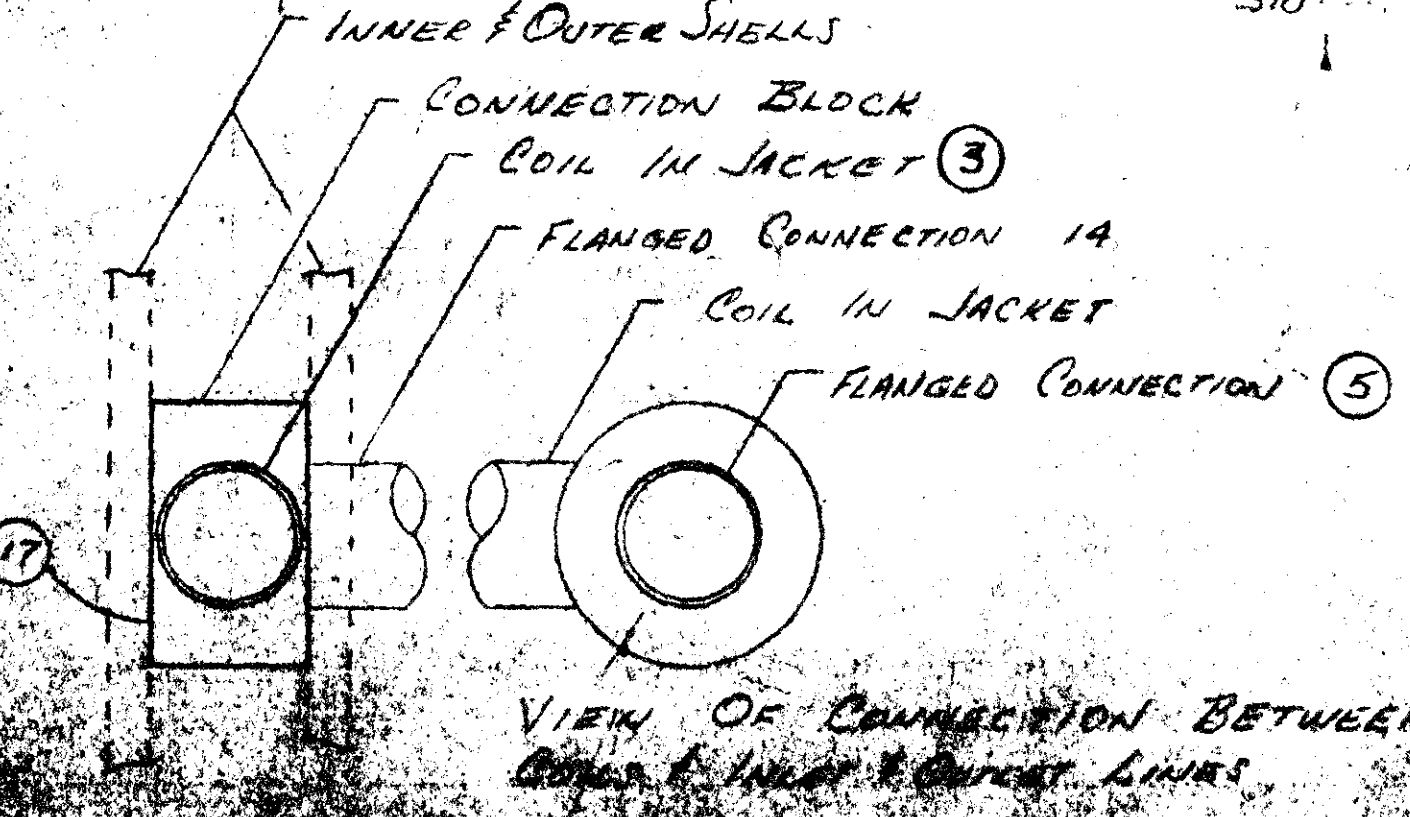
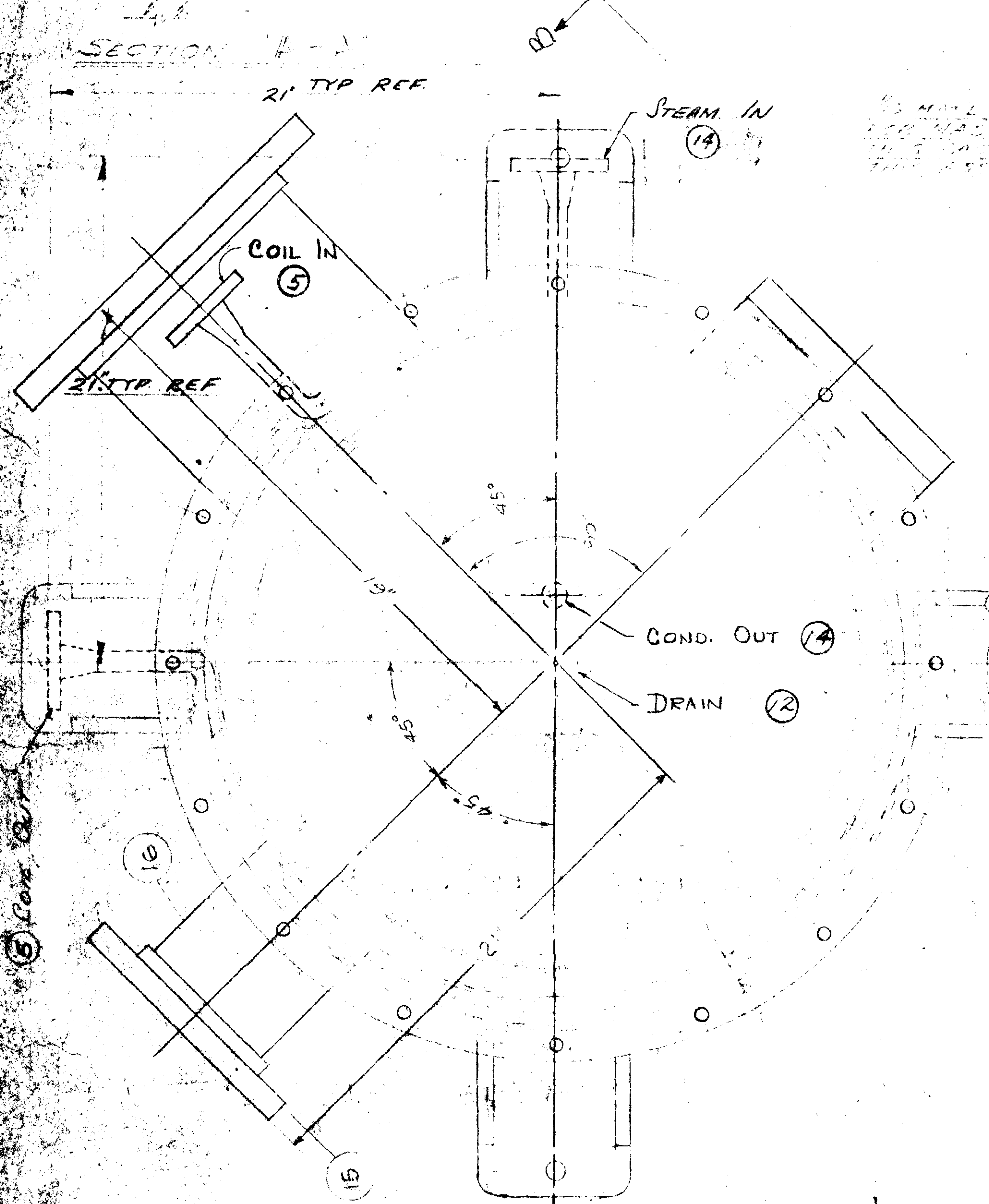
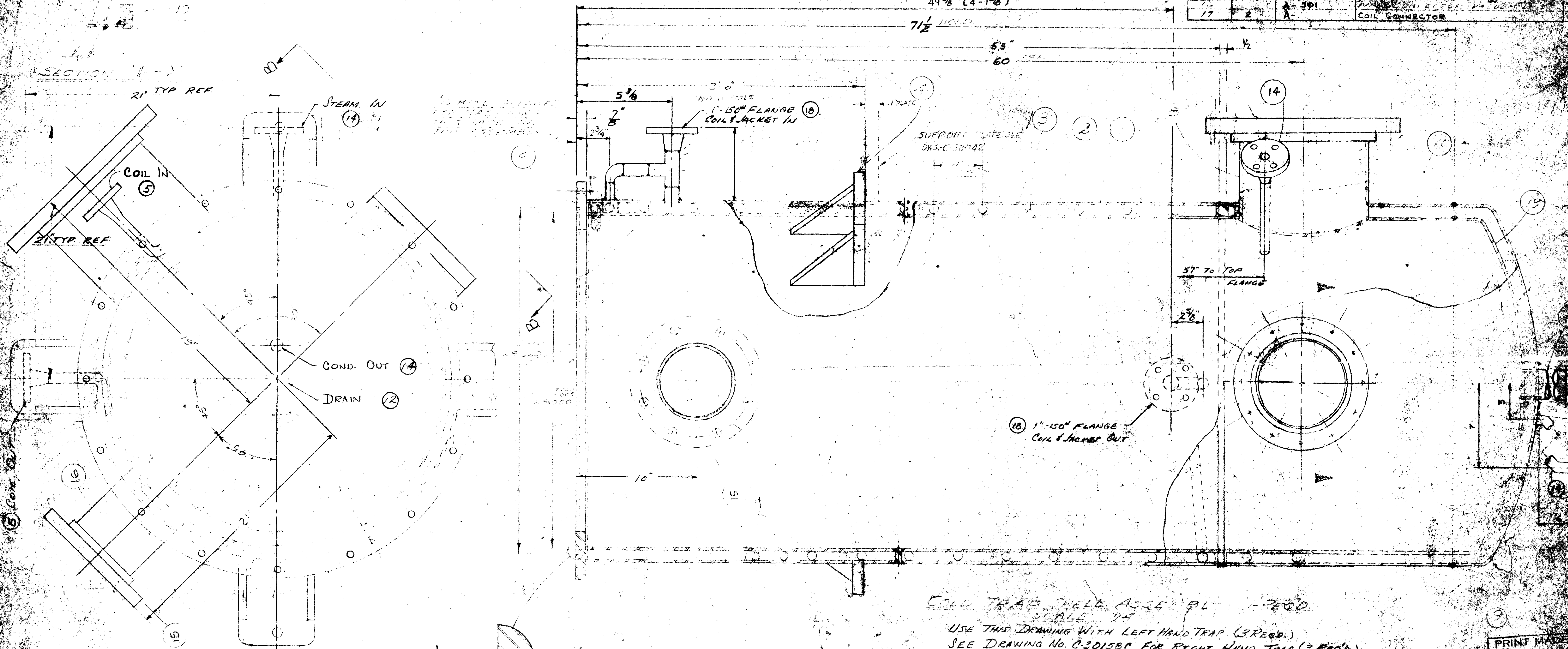
HOFFMANN LA ROCHE
PROJECT 66
BELVIDERE, N.J.
HLR ORDER NO. E-280676B
MCKEE P.O. MCK. 3726-57
POSITION: B3-3645 + B3-3649 + B3-3650
FOR LEFT HAND TRAP
B3-3646 + B3-3650 + B3-3657. FOR
RIGHT HAND TRAP
MCKEE DWG. NO. 3600-5

REVISION A 6-22-70 B FLANGE ALL NUTS & BOLTS 1/4" LONG 1/4" M.C.	ARTHUR F. SMITH
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PRINT MADE
MAY 26 1971
ARTHUR G. MCKEE & CO.

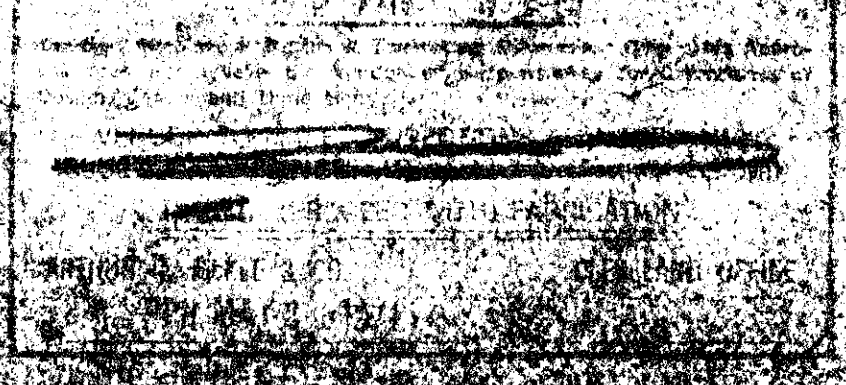
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DET. NO.	REQD.	DWG. NO.	DESCRIPTION	QTY.	NO. REQD.	DWG. NO.	DESCRIPTION	QTY.
18	2	A	COIL JACKET FLANGES	30430	1	1	FLANGE	1
					2	2	FLANGE	2
					3	3	FLANGE	3
					4	4	FLANGE	4
					5	5	FLANGE	5
					6	6	FLANGE	6
					7	7	FLANGE	7
					8	8	FLANGE	8
					9	9	FLANGE	9
					10	10	FLANGE	10
					11	11	FLANGE	11
					12	12	FLANGE	12
					13	13	FLANGE	13
					14	14	FLANGE	14
					15	15	FLANGE	15
					16	16	FLANGE	16
					17	17	FLANGE	17



COLD TRAP, WELD ASSEMBLY - 2000
 SCALE 1/4"
 USE THIS DRAWING WITH LEFT HAND TRAP (3 REQD.)
 SEE DRAWING NO. C-30158C FOR RIGHT HAND TRAP (3 REQD.)
 NEXT ASSEMBLY D-30138B & D-30157B

HOFFMANN LA. ROCHE
 PROJECT 66
 BELVIDERE, ILL.
 HLR ORDER NO. E-2806762
 MCKEE RD. WYK 3124-57
 POSITION

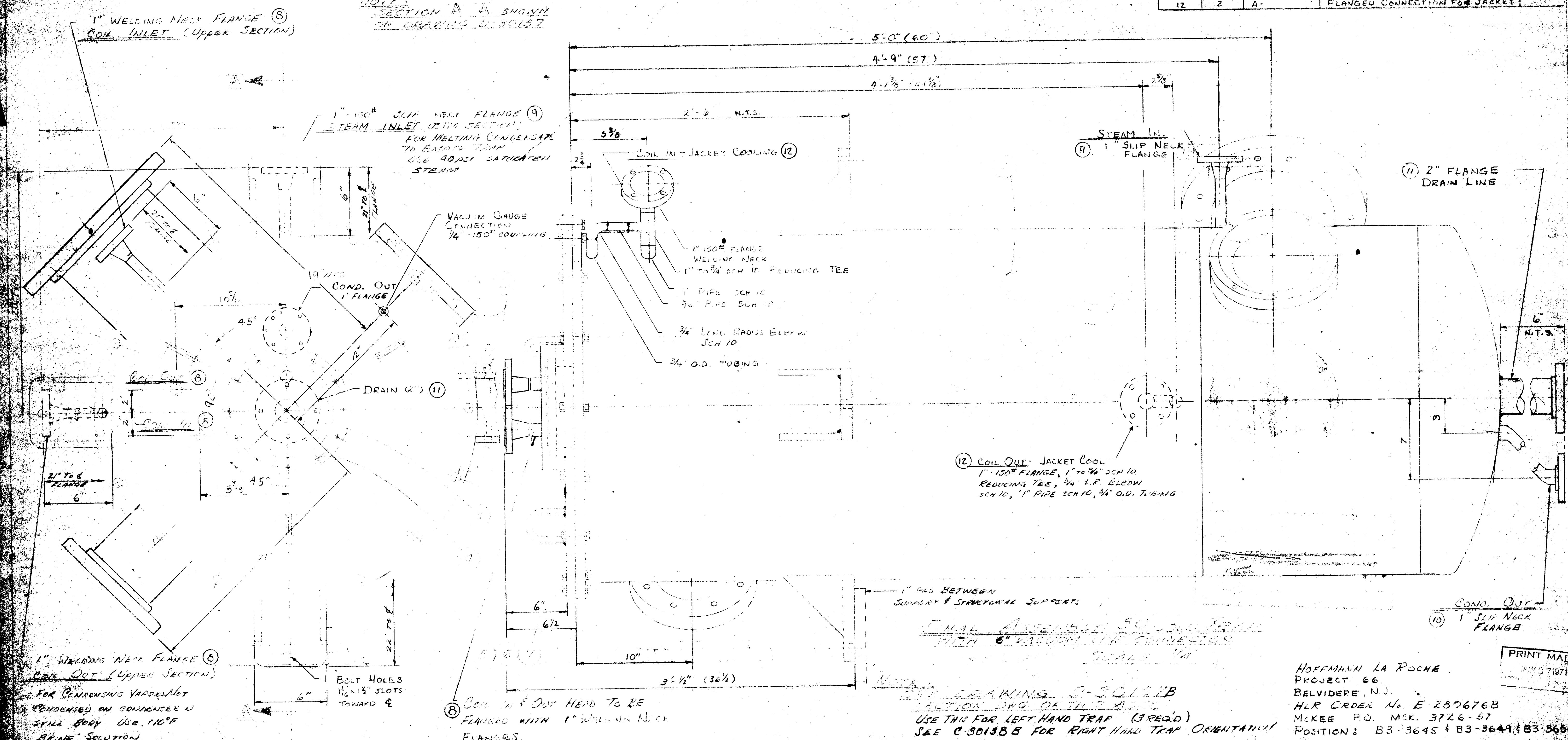


- NOTE:
1. ALL FLANGES TO BE
 2. TO FLANGES TO BE
 3. HOFFMANN LA. ROCHE
 4. NOZZLES 1/2\"/>

FREEZE
 TRAP

ITEM NO.	QTY	DWG. NO.	DESCRIPTION
1	1	A-30144A	FLANGED CONNECTION FOR COILS (1)
2	1	A-30168A	FLANGED COIN FOR STEAM IN (1)
3	1	A-30168B	FLANGED COIN FOR COND. OUT (1)
4	1	A-	FLANGED COIN FOR DRAIN (1)
5	1	A-	FLANGED CONNECTION FOR JACKET

NOTE:
SECTION A-A SHOWN
ON DRAWING C-30157



(12) COIL OUT - JACKET COOL
1\" 150# FLANGE, 1\" to 3/4\" SCH 10
REDUCING TEE, 3/4\" L.P. ELBOW
SCH 10, 1\" PIPE SCH 10, 3/4\" O.D. TUBING

1\" PAD BETWEEN
SUPPORT & STRUCTURAL SUPPORTS

FINAL ASSEMBLY TO BE
WITH 6\" VACUUM STR. CONNECTIONS
SCALE 1/4\"

NOTE:
SEE DRAWING C-30157B
SECTION DWG. OF THIS ASSEMBLY
USE THIS FOR LEFT HAND TRAP (3REQ'd)
SEE C-30158B FOR RIGHT HAND TRAP ORIENTATION

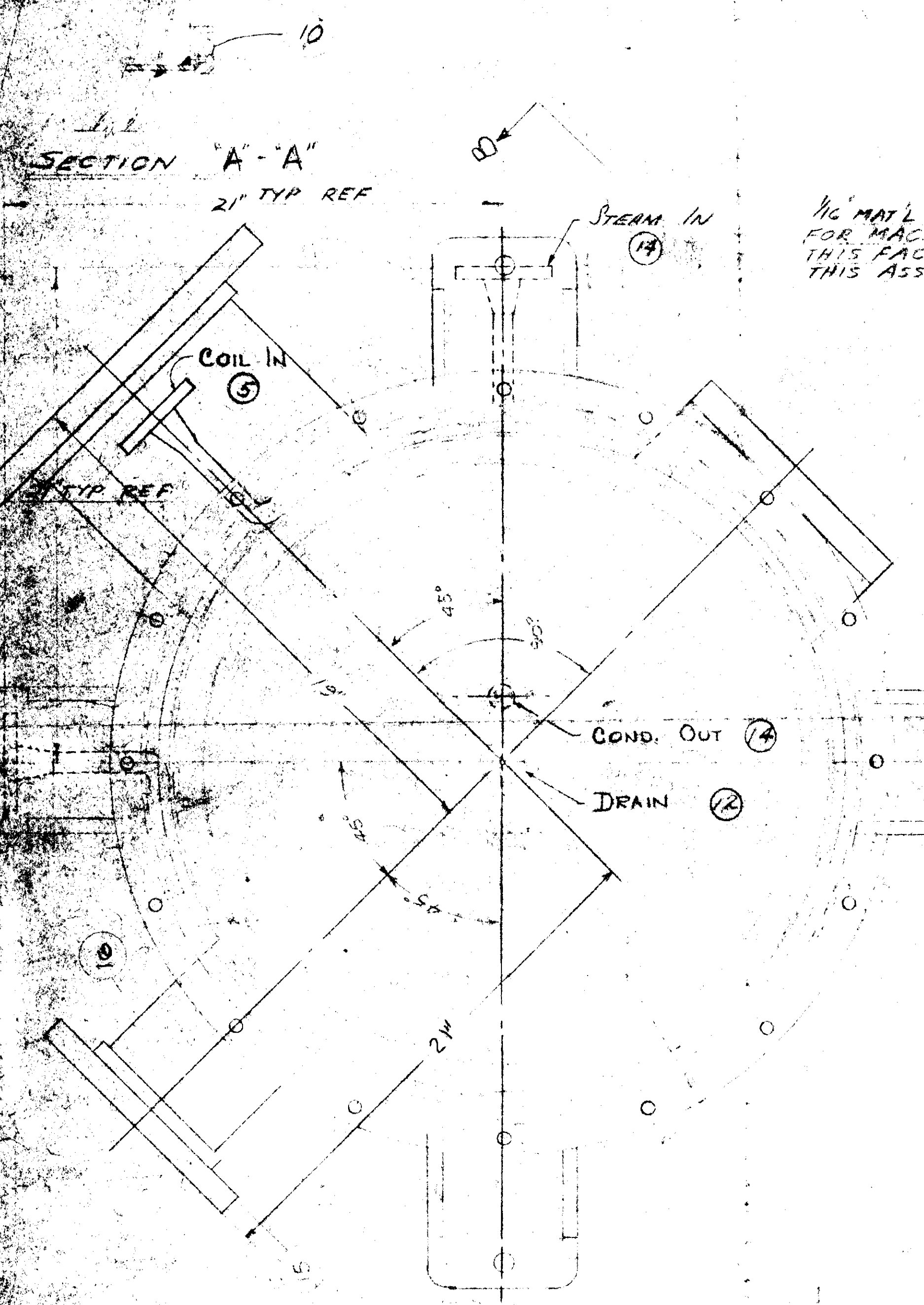
WEIGHT EMPTY: 1170#
WEIGHT OPERATING: 1270#
INSULATION BY PURCHASER

HOFFMANN LA ROCHE
PROJECT 66
BELVIDERE, N.J.
HLR ORDER NO. E-280676B
MCKEE P.O. MCK. 3726-57
POSITION: B3-3645 & B3-3649 & B3-3656
FOR LEFT HAND TRAP
B3-3646 & B3-3650 & B3-3657 FOR
RIGHT HAND TRAP
MCKEE DWG. NO. 3600-5

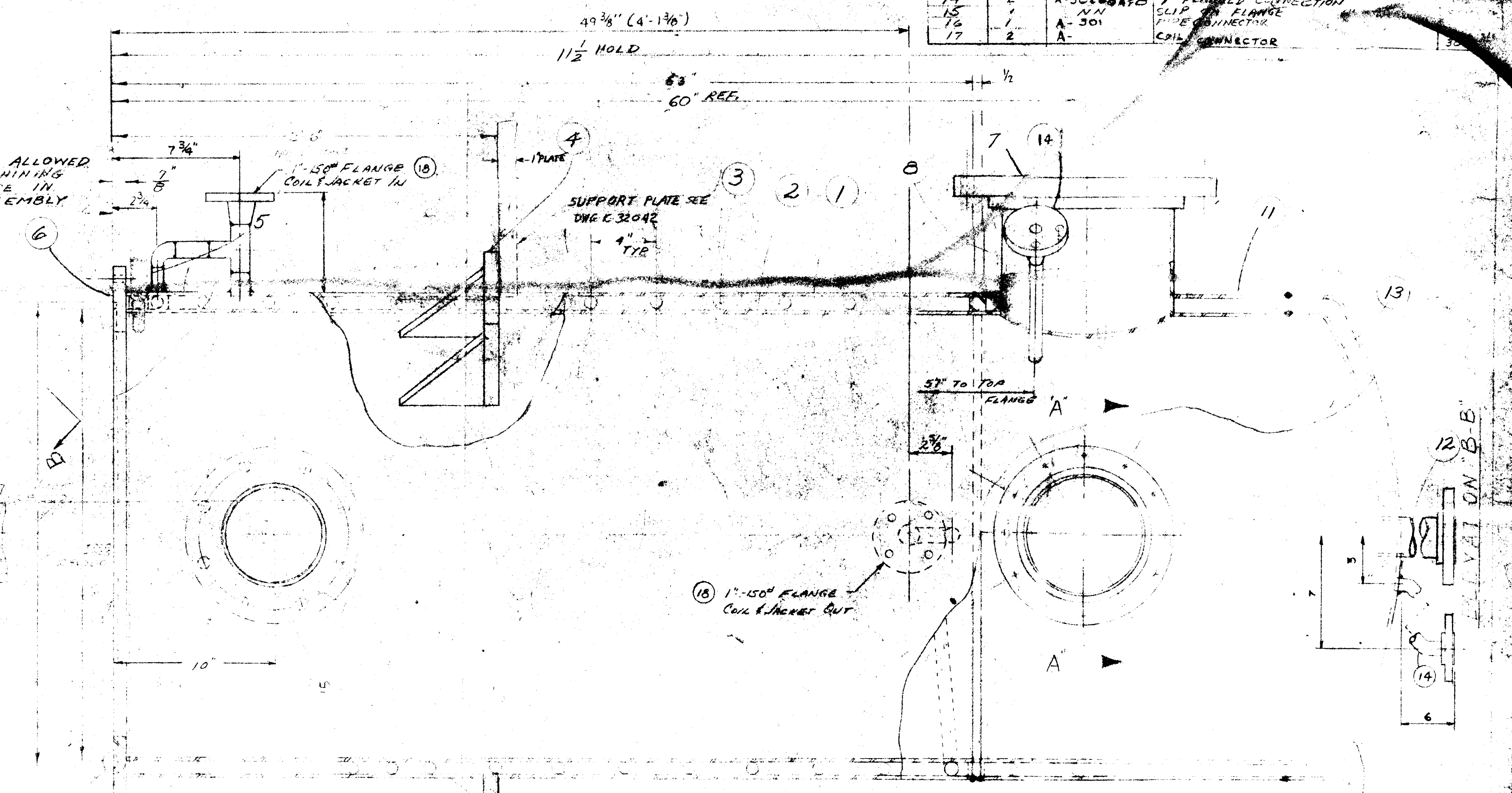
A-6-22 TO	ARTHUR T. EMERY
B-FLANGE M.C.	
MCKEE P.O.	
MCKEE P.O.	

DET NO	PER	DWG NO.	DESCRIPTION	SPECS	DET NO	REC'D	DWG NO.	DESCRIPTION	304 35
18	2	A-	COIL JACKET FLANGES	304 35	1	1	D-30159	CYLINDER OUTER SHELL	
					2	1	D-30160	ASS. INNER CYLINDER	
					3	1	N.N.	TUBING	304 35
					4	1	B-30143	MOUNTING BRACKET	
					5	2	A-30144A	PIPE CONN. (1" FLANGE)	304 35
					6	1	C-30145	TOP FLANGE	
					7	1	N.N.	SLIP ON FLANGE 150"	304 35
					8	1	A-30146	PIPE CONNECTOR	
					9	1	C-30147	WELDING CAP OUTER SHELL	
					10	1	B-30148	SIGHT GLASS HOUSING	
					11	1	B-30156	CYLINDER OUTER SHELL	
					12	1	A-N.N.	2" FLANGE CONNECTION	304 35
					13	1	C-30154	WELD CAP INNER SHELL	
					14	2	A-30168A/B	1" FLANGED CONNECTION	
					15	1	N.N.	SLIP ON FLANGE	
					16	1	A-301	PIPE CONNECTOR	
					17	2	A-	COIL CONNECTOR	304 35

NOTE
ALL WELDING TO BE
ACCOMPLISHED PER
ASME SPECIFICATIONS



1/16" MAX. ALLOWED
FOR MACHINING
THIS FACE IN
THIS ASSEMBLY



COLD TRAP SHELL ASSEMBLY 1-REQ'D
SCALE 1/4\"/>

NEXT ASSEMBLY D-30138B & D-30157B

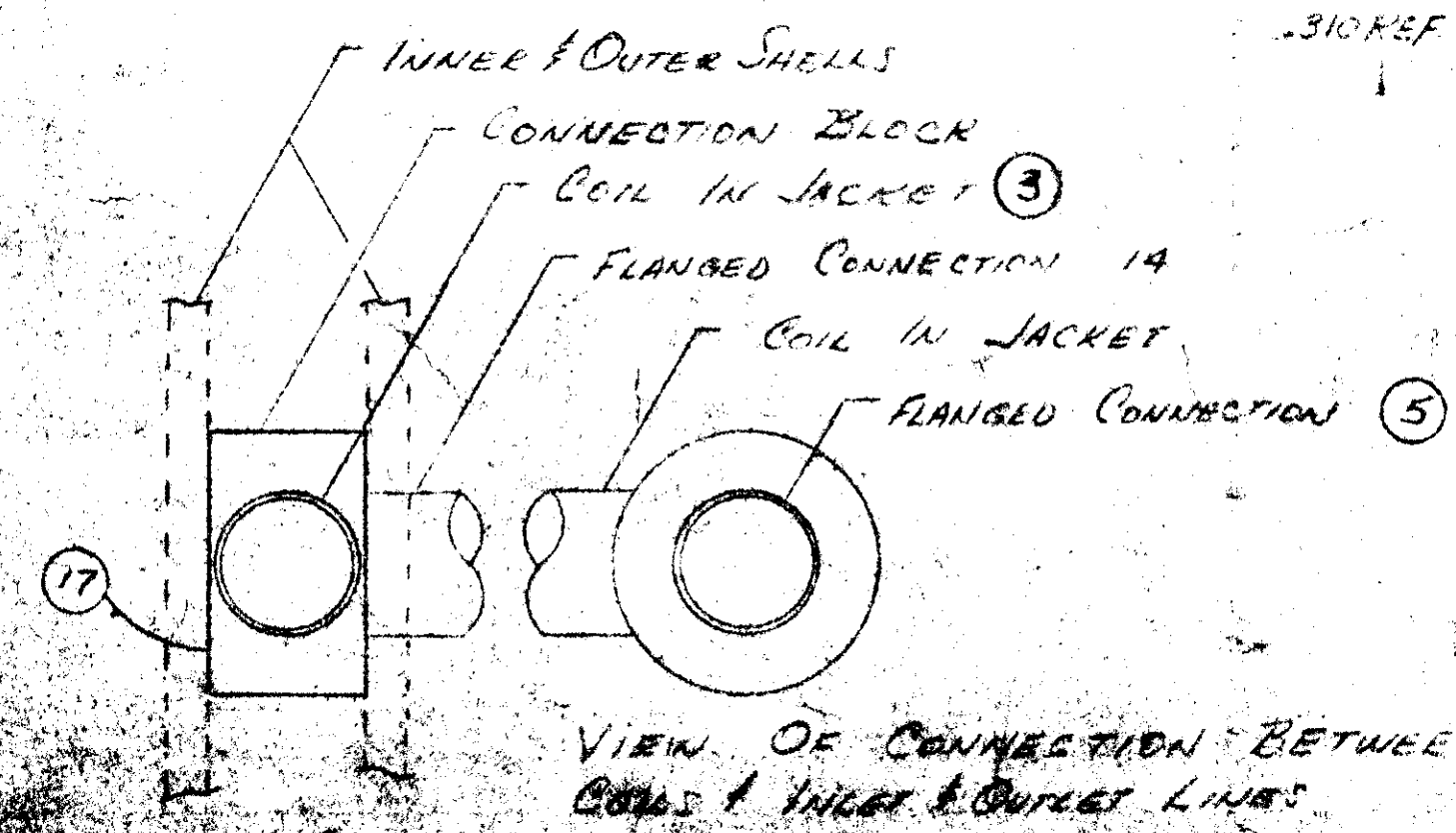
HOFFMANN LA ROCHE
PROJECT 66
BELVIDERE, N.J.
HLR ORDER NO. E-280676B
MCKEE PO. MCK 3726-57
POSITION:

LEFT HAND TRAP - B3-3645 & B3-3649 & B3-3656
RIGHT HAND TRAP - B3-3646 & B3-3630 & B3-3657
MCKEE DWG NO. 31474-1, 31474-2, 31474-3

- NOTE:
1. ALL FLANGES PROTRUDE 6" TO FLANGE FACE
 2. MOUNTING BOLT HOLE 1" DIA.
 3. NOZZLES #1/4" PIPE WITH 1" SLIP NECK FLANGES
 4. NOZZLE #1/2" & PIPE WITH 2" SLIP NECK FLANGES

A - 2.2.70
B -
C ORIENTATION
IN M. M.C.A.

PRINT MADE
JUN 9 6 1971
ARTHUR C. MCKEE



- ALL FLANGES WILL EXTEND 6" TO FLANGE FACE
- WELD NECK FLANGES (1") WILL BE USED ON COILS IN JACKET & THIMBLE & STEAM LINE
- SLIP ON FLANGES WILL BE USED ON DRAIN & CONDENSATE LINE.