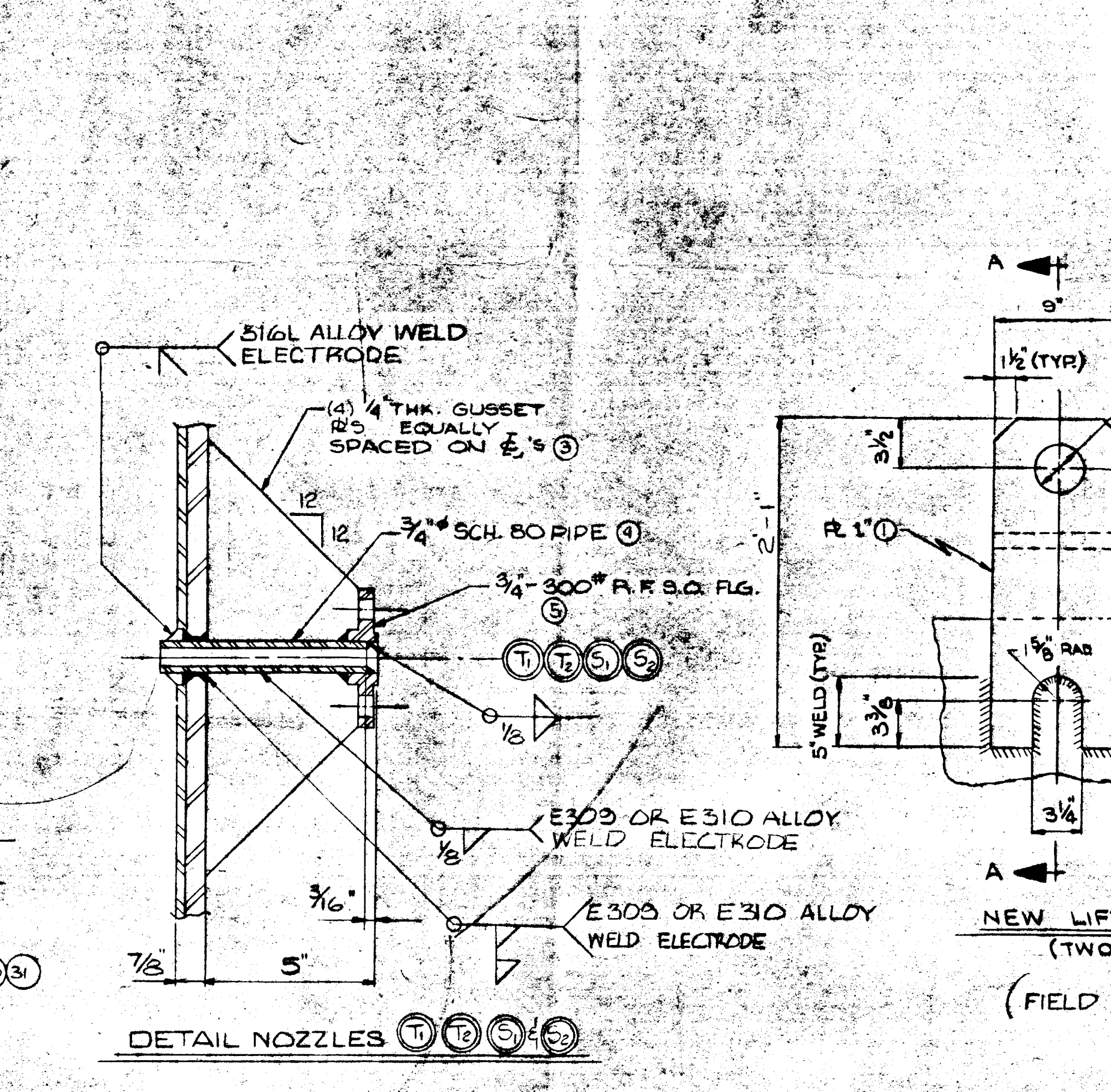
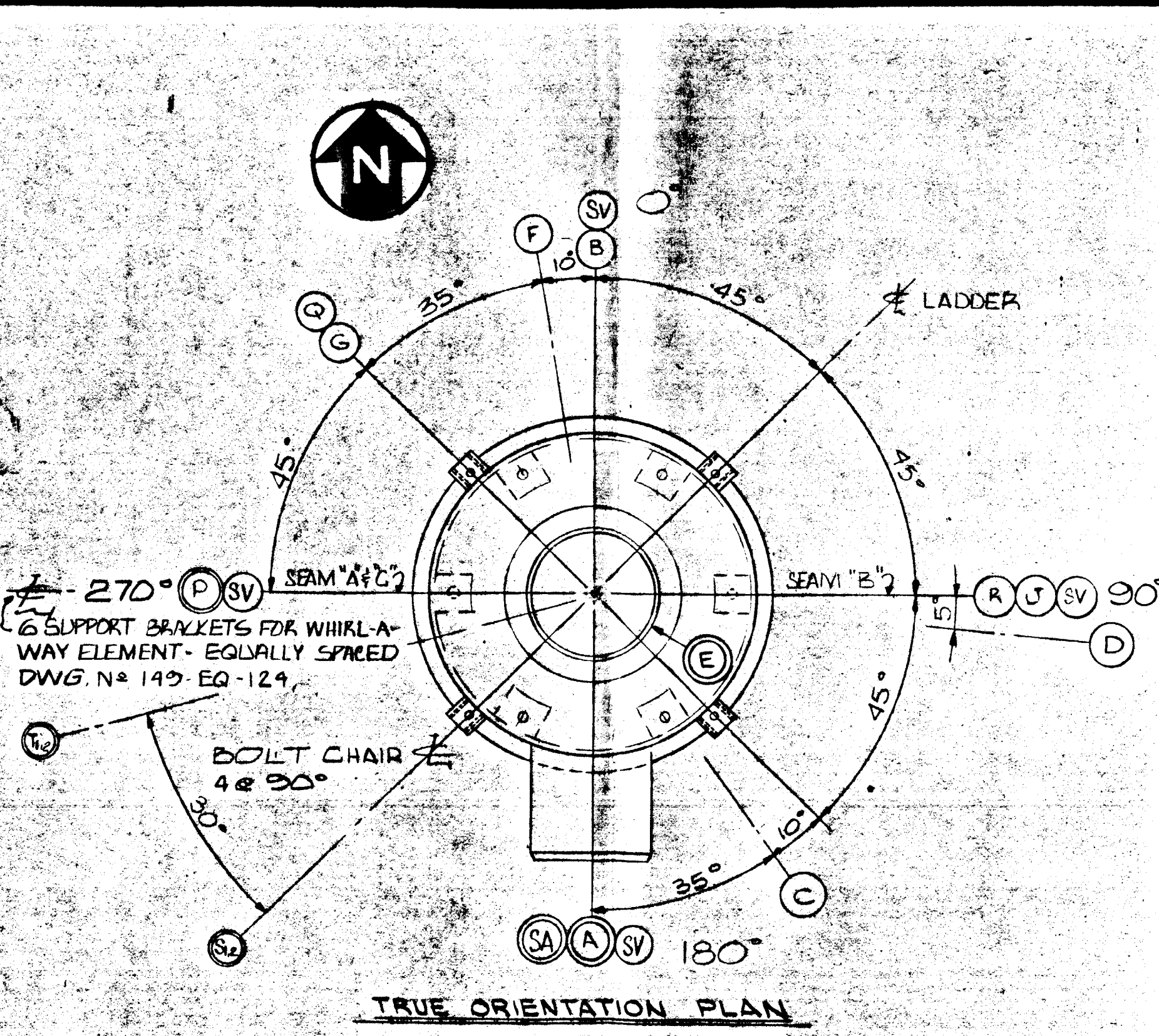
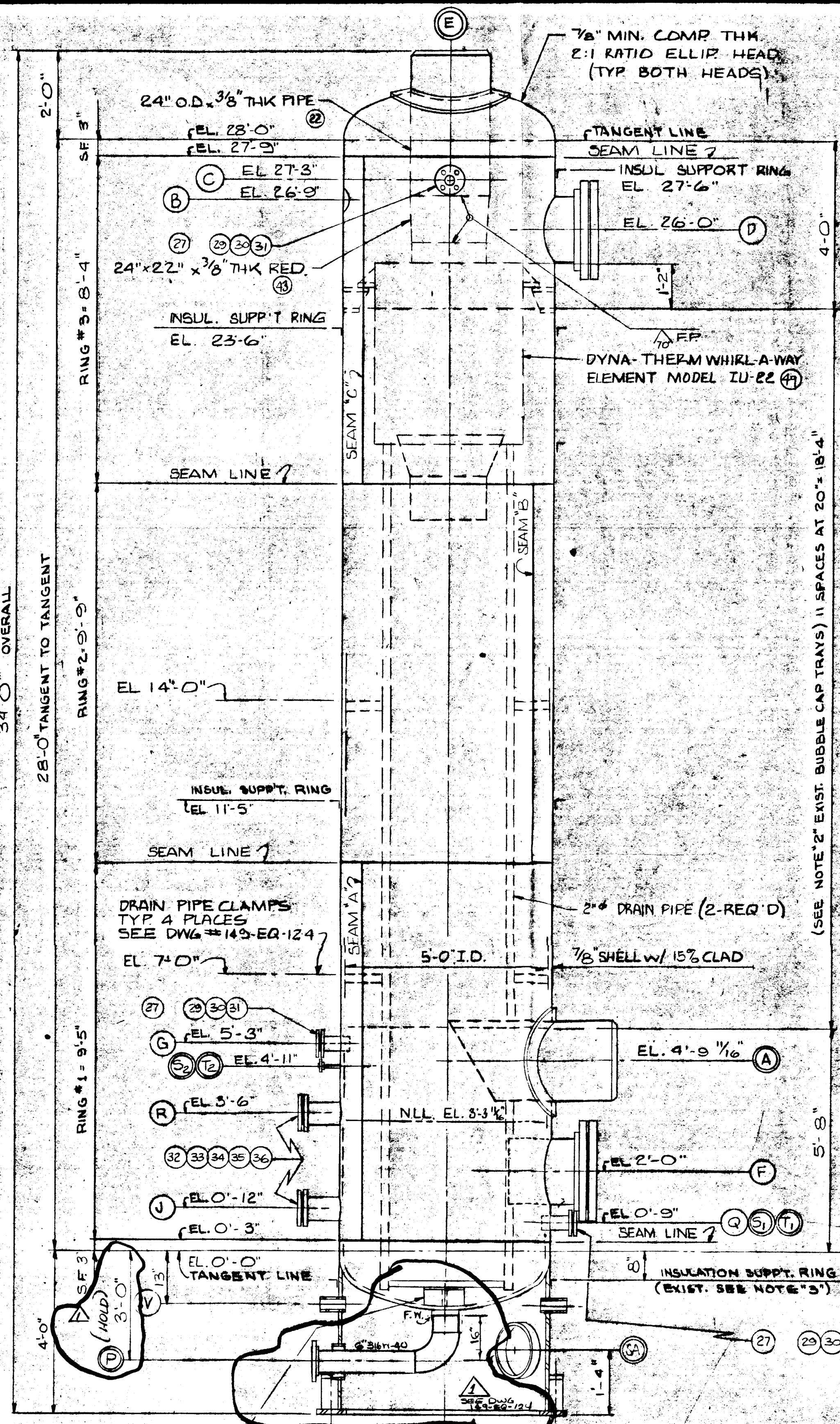




- MODIFICATION NOTES:**
- 1) REMOVE PORTION OF EXISTING SKIRT 4'-0\"/>
- GENERAL NOTES:**
- 1) WORK THIS DWG. WITH DWG. NUMBER 149-EQ-124 AND D.P.G. BILL OF MAT'L. FOR V-2353. SHTS. 1 & 2 OF 2
 - 2) NEW NOZZLES SHOWN BY DOUBLE RINGED REFERENCE NO. ALL OTHERS ARE EXISTING.
 - 3) WITH NUMBER INDICATES BILL OF MATERIAL ITEM NUMBER.
 - 4) ALL NEW BOLT HOLES ARE TO STRADDLE NATURAL VESSEL CENTERLINES.
 - 5) FOR DETAILS OF WHIRL A WAY ELEMENT SEE DYNA-THERM DWG. B-75-10-1

DESIGN DATA				
DESIGN PRESS	350	PSIG	CODE ASME SECT. VIII DIV. 1 (1959)	
DESIGN TEMP.	650	°F	CODE STAMP	YES ☐ NO ☐
OPER. PRESS	223.4	PSIG	DRG SPEC.	
OPER. TEMP.	270	°F	STRESS RELIEVED	YES
SP. GR. PRODUCT			RADIOGRAPHED	SPOT
JOINT EFFICIENCY	80	%	EARTHQUAKE FACTOR	0
AIR TEST			WIND PRESS	SEE CELENESE
HYDROSTATIC TEST	547	PSIG	ENGINEERING SPEC.	
CORROSION ALLOWANCE				
WEIGHTS				
			HEADS	NIL
			SHELL	NIL
			INTERALS (FIXED)	NIL
			PER SIDE	
			REMOVABLE	NIL
			TOTAL	
			NATL. BOARD STAMP	YES ☐ NO ☐
			FT-LBS	
			MAX. SHEAR AT BASE	
			INSPECTION BY	BUYER ☐ UNDERWRITER ☒ CLIENT ☐
MATERIALS				
SHELL				
HEAD (BOTTOM)				
HEAD (TOP)				
SKIRT				
BASEPLATE				
NOZZLE NECK				
NOZZLE FLANGE				
NOZZLE REINFORCEMENT				
MANHOLE NECK				
MANHOLE FLANGE				
MANHOLE COVER				
INTERNAL PIPING				
BAFFLES				
GASKETS				
INTERNAL BRACKETS				
INTERNAL BOLTING				
EXTERNAL BOLTING				
EXTERNAL BRACKETS				
EXTERNAL PAINTING				
INSULATION				
LINING				
PACKING				
INSULATION SUPPORT				

NOZZLE SCHEDULE									
NOZZLE	SIZE	QTY	USAS RATING	TYPE	FACE	NOZZLE	QTY	USAS RATING	SERVICE
SA	20"	1				X-SIRG	4"		SKIRT ACCESS (NEW)
SV	4"	4				SCH. 80	4"		SKIRT VENT
T ₁	3/4"	2	300#	SO	RF	SCH. 80	5"		LEVEL CONTROL
S ₁	3/4"	2	300#	SO	RF	SCH. 80	5"		GAGE GLASS (NEW)
R	6"	1	300#	LWN	RF				SPARE (EXIST.)
Q	2"	1	300#	LWN	RF				6/4" SPARE (EXIST.)
P	6"	1	300#	LW		SCH. 80	8"		COND. OUTLET (NEW)
J	6"	1	300#	LWN	RF				11" SPARE (EXIST.)
G	2"	1	300#	LWN	RF				6/4" SPARE (EXIST.)
F	20"	1	300#	SO	RF				11" MANWAY (EXIST.)
S ₂	24"	1				AS NOTED			GAS OUTLET (NEW)
D	20"	1	300#	SO	RF				11" MANWAY (EXIST.)
C	2"	1	300#	LWN	RF				6/4" SPARE (EXIST.)
B	8"	1	300#	LWN	RF				EXIST. REMOVE
A	24"	1							13 1/2" INLET (NEW)

NEW VORTEX BREAKER
SEE DETAIL DWG. NO. 149-EQ-124

NO.	REV.	W.D. NO.	S.M. NO.	DESCRIPTION	BY	CHK'D	PROJ. ENGR.	PLT. ENGR.	DATE
1	G-2	32848		NEW NOZZLE "P" ELIMINATING FLANGES	CC				6/14/75

DRAWING HISTORY		REV.	DATE
BOLT CHAIR, BASE R., SLIDE SUPP'T DETAILS	149-EQ-203		
D.P.G. BILL OF MATERIAL FOR V-2353	SH. 12 OF 2		
H.E. COL. W.H. K.O. DRUM DETAILS	149-EQ-124		
AS BUILT MYLAR FOR EM-230			

Davy Powergas Inc.
LAKELAND, FLORIDA

PROJ. INC. 4207

CELANESE CHEMICAL COMPANY
A DIVISION OF CELANESE CORPORATION OF AMERICA
CHICAGO PLANT - BISHOP, TEXAS
ENGINEERING DEPARTMENT

105MM GAL. METHANOL SYNTHESIS EXPANSION
H.E. COL. W.H. K.O. DRUM V-2353
PLAN AND ELEVATION

DATE: 7/24/75
SCALE: 1"=1'-0"
TYPE OF DRAWING: VESSEL
DRAWING NO.: 149-EQ-129-1

[illegible]