

MAINTENANCE ENGINEERING GROUP
VESSEL INSPECTION REPORT

FROM <u>D. MICKELSON</u> <u>Chuck Hubert</u>	DATE <u>7-25-78</u>
	REFERENCE NO. <u>ED 78-413-CDH</u>

cc:

ITEM NUMBER: V-2825 SERVICE & UNIT TRIM CASER K.O. PRIM
MS

DESIGN DATA: SIZE: 5'-0" X 30'-6"
TYPE: VERTICAL

DESIGN CONDITIONS: 310 PSIG @ 650 F

OPERATING CONDITIONS: _____ PSIG @ _____ F (RV SET: _____)

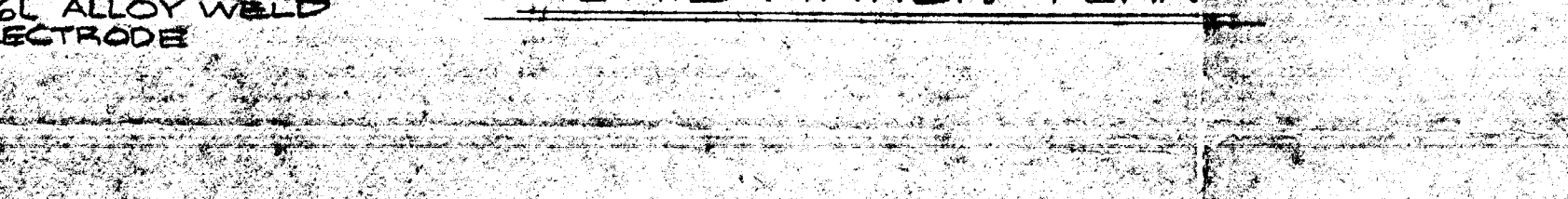
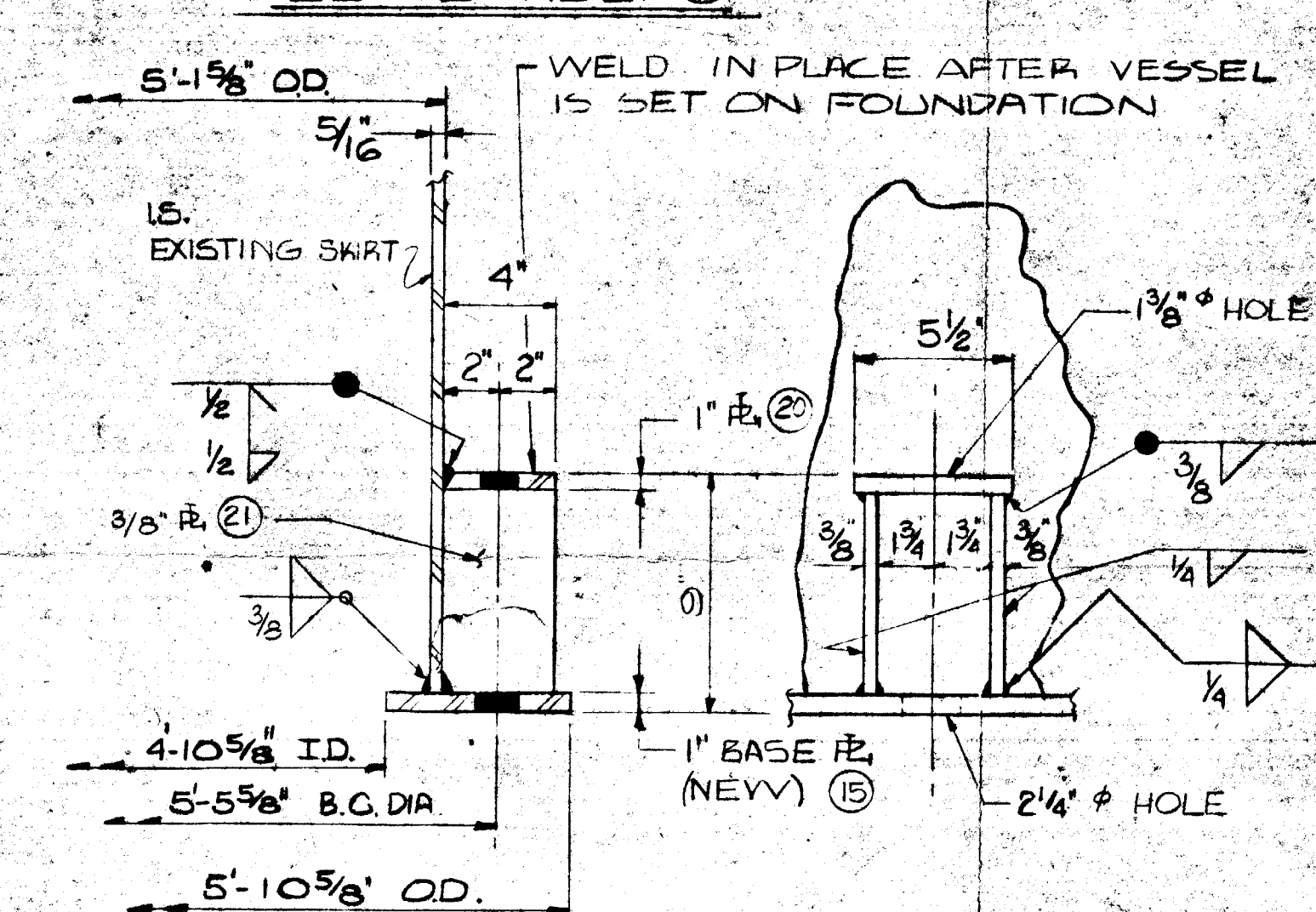
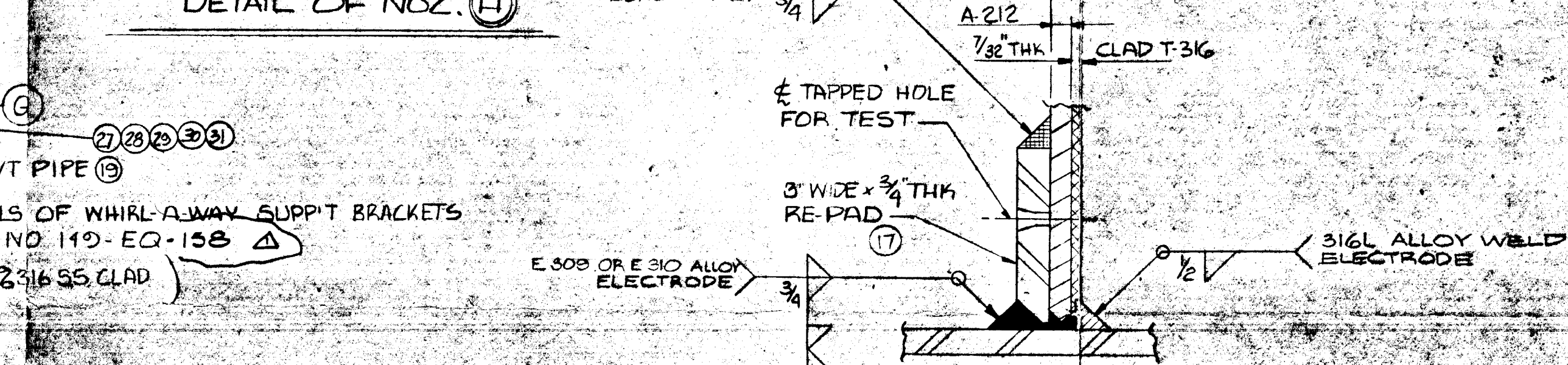
MATERIAL OF CONSTRUCTION: SHELL: CL - 316 S/S CLAD
HEADS: CL - 316 S/S CLAD
INTERNALS: 304 S/S

VESSEL BUILT 1950
INSTALLATION DATE: 1976 INSPECTION DATE: JULY 1978

REMARKS & RECOMMENDATIONS

GENERAL: THE INTERNAL INSPECTION REVEALED THE
DYNAL-THERM ELEMENT WAS IN EXCELLENT CONDITION,
AND THE VESSEL WAS RETURNED TO SERVICE

90732



1. CUT EXISTING SKIRT 3-11" FROM TAN. LINE.
REMOVE BOTTOM SECTION. ADD NEW BASE
RING AND BOLT CHAIRS PER DETAIL.
2. ADD NEW ACCESS OPG. IN SKIRT PER DETAIL.
3. UNBOLT ALL INTERNALS AND REMOVE. SS. MIST
EXTRACTOR SUPPORT RING AND SS. SPRAY HEADER
SUPPORT CLIPS MAY REMAIN.
4. INSTALL NOZ. T PER DETAIL ON DWG. 143-EQ-158 ADD NEW 5"
PIPE OPG. IN SKIRT.
5. EXISTING NOZZLES A, G, D, E, & F ARE TO BE BLIND
FLANGED USING PROPER BLIND FLG. STUDS, NUTS &
GASKETS. CLAD BLIND FLG. PER DETAIL (SEE BILL OF MAT'L).
6. INSTALL NEW S & H NOZZLES PER DETAIL THIS
SHEET
7. INSTALL NEW NOZ. N₁, N₂, M₁, M₂, P₁, P₂, R₁, R₂ PER DETAILS
ON DRG. DRAWING. 143-EQ-158 A
8. REMOVE TOP HEAD & AND INSTALL NEW INTERNALS
(WHIRL-A-WAY ELEMENT, DRAIN PIPES, VORTEX BREAKER & MESH PAD)
PER DETAILS ON DRG. DRAWING # 143-EQ-158 B AND INSTALLATION
PROCEDURE 4207-01-V0706
9. LIFTING LUGS ARE TO BE ADDED PER DETAILS ON DRG. DWG.
140-EQ-158 A

1. WORK THIS DWG. WITH DWG. 149-EQ-158 AND DPG. BILL OF MATERIAL.
2. NEW NOZZLES SHOWN BY DOUBLE RING REF. MK.  ALL OTHERS ARE EXISTING.
3. ALL NEW FLANGE BOLT HOLES TO STRADDLE NATURAL VESSEL ^{F's}
4. FOR DETAILS OF WHIRL-A-WAY ELEMENT SEE DYNATHERM DWG. N^o B-75-19-3

—REVISION—
DESTROY ALL PREVIOUS PRINT
APPROVED FOR CONSTRUCTION
DAVY POWERGAS INC.
AUG 3 1975

INTERNAL BRACKETS	TP 316 SS
INTERNAL BOLTING	TP 316 SS, NUTS TP 303 SS
EXTERNAL BOLTING	A193 B7 NUTS A-18A-2H
EXTERNAL BRACKETS	-
EXTERNAL PAINTING	-
INSULATION	
LINING	
PACKING	
PACKING SUPPORT	
INSULATION SUPPORT	SA 7

[illegible]

CELANESE CHEMICAL COMPANY A DIVISION OF CELANESE CORPORATION OF AMERICA CHEMICAL PLANT - BISHOP, TEXAS ENGINEERING DEPARTMENT			
IO6MM GAL METHANOL SYNTHESIS EXP TRIM COOLER K.O. DRUM V-2355 PLAN. AND ELEVATION			
AREA	UNIT	SCALE	DRAWING NO.
01	METHANOL	1/2"=FO'	149-EQ
TYPE OF DRAWING			
VESSEL		131-1	

B	ISSUE FOR CONSTR	REV 1	8/5/75
A	ISSUE FOR CONSTR	REV 0	7/25/75
DRAWING HISTORY			

[illegible]

TRIM COOLER & DRUM DETAILS	148-EQ-158
DOWNINGTOWN IRON WORKS	C-2434-0
REFERENCE DRAWINGS	

S.M. NO.		W.O. C-200		LAKELAND, FLORIDA		4207	
ACCT. NO.		NO. 4001-04-0		CELANESE CHEMICAL COMPANY A DIVISION OF CELANESE CORPORATION OF AMERICA CHEMICAL PLANT - BISHOP, TEXAS ENGINEERING DEPARTMENT			
DRAWN BY P. HOFFMAN		DATE 3-8-75		106MM GAL METHANOL SYNTHESIS EXP. TRIM COOLER K.O. DRUM V-2355 PLAN. AND ELEVATION			
CHECKED BY G. ALMOND		DATE 7-7-75					
PROJECT NO. 1170		DATE 8-2-75					
REV. NO. 1		DATE 7-24-75		AREA 01		UNIT METHANOL	
PLANT SKETCHES		TYPE OF DRAWING PROCESS		SCALE 1/8"=1'-0"		DRAWING NO. 149-EQ	