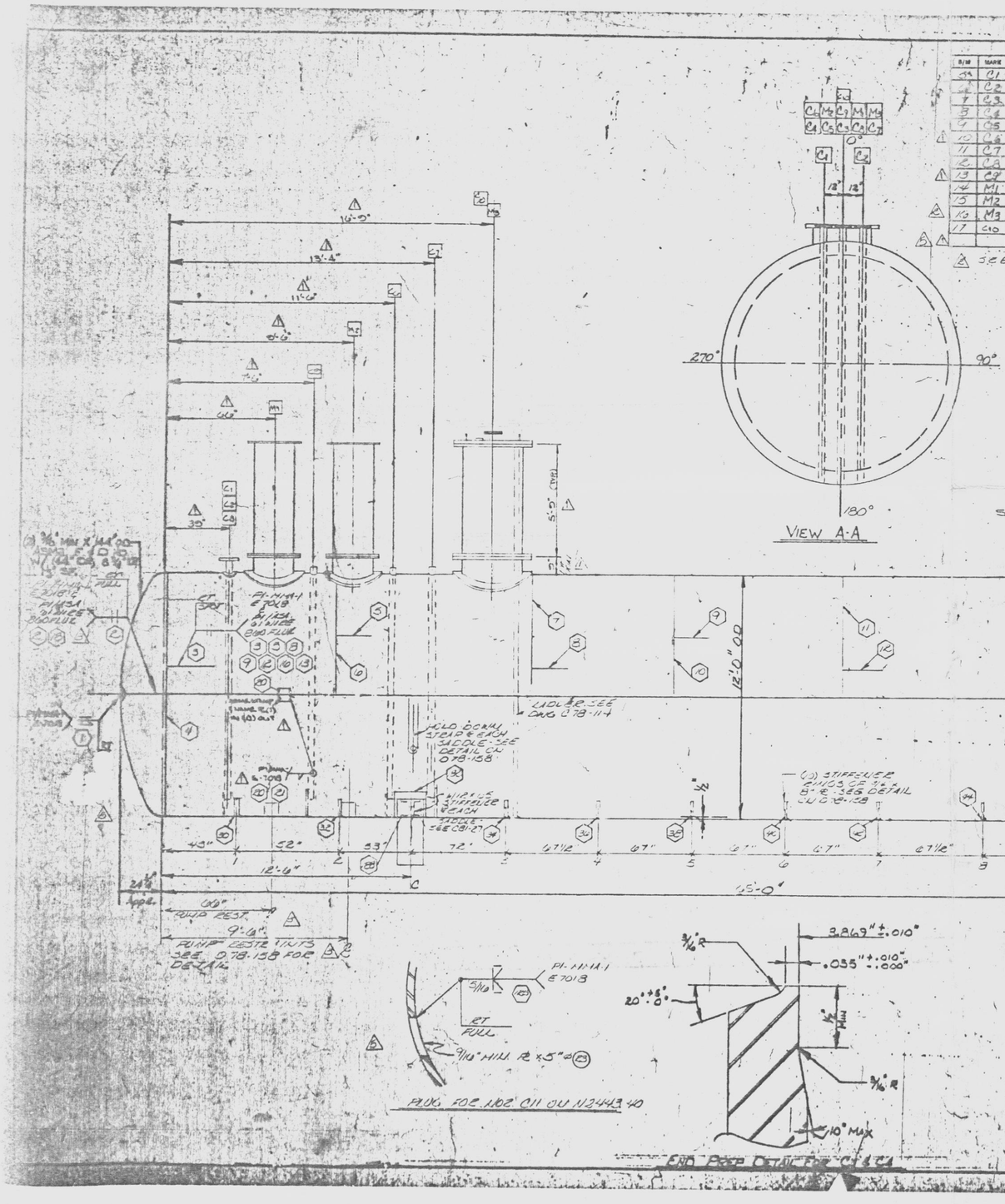

NOZZLE SCHEDULE

B/M	MARK	NO. REQ'D.	SIZE	RATING	FLANGE & FACING	NECK SCHED.	RAISED FACE	SERVICE	REMARKS
16	C1	1	24"	150	R/F SLIP-ON	30	1 1/2" R 71 7/8" Ø	LEVEL CONT	
14	C2	1	4"	150	R/F SLIP-ON	30	6" R 77" Ø	LEVEL CONT	
1	C3	1	4"		BUTT WELD	80	1/8" R 72" Ø	VENT	
3	C4	11	4"		BUTT WELD	80	1/8" R 73" Ø	FILL	SCH. 80 STILL TUBE
4	C5	1	2"	3000	S.W. F. SKG			SOUNDING	SCH. 80 STILL TUBE
10	C6	1	3/4"	3000	S.W. H. SKG			PUMP RELIEF	SCH. 80 STILL TUBE
11	C7	1	2"	3000	S.W. R. SKG			CW TO DIESEL	SCH. 80 STILL T-SE
12	C8	1	4"	150	R/F SLIP-ON	30	11" R 71 7/8" Ø	LEVEL HI	
13	C9	1	3/4"	3000	S.W.H. SKG			PUMP RELIEF	SCH. 80 STILL TUBE
14	M1	1	24"	150	R/F SLIP-ON	1/2" R	1 1/2" R 35 3/8" Ø	PUMP MTG	
15	M2	1	24"	150	R/F SLIP-ON	1/2" R	1 1/2" R 36 3/8" Ø	PUMP MTG	
16	M3	1	36"	150	R/F SLIP-ON	1/2" R	1 1/2" R 56" Ø	ACCESS M/H	W/BLIND & BOLT LUGS
17	C10	1	8"	150	R/F SLIP-ON	30	- - - -	SAMPLING COOL	W/BLIND

SEE DWG D 78-147 FOR M3 FLG DETAIL

NOTES

DESIGN AND FABRICATION	1977 ASME SECT III-CL 3 - SUMM '77
DESIGN PRESSURE	100 PSIG
DESIGN TEMPERATURE	100° F
CORROSION ALLOWANCE	1/16" SPOT - SHELL
RADIOGRAPHIC EXAMINATION	* FULL - HEAD / SPOT - SHELL - NO T JT
JOINT EFFICIENCY	100% - HEAD / 85% - SHELL
HYDROSTATIC TEST PRESSURE	1.5 PSIG (QUENCHATO TEST)

MATERIAL	SHELL
SHELL	SA-285-C
HEADS	SA-285-C
NOZZLE NECK	SA-106-B / SA-285-C
NOZZLE FLANGES	SA-105
W/M NECKS	SA-285-C
W/M FLANGES	SA-105
COUPLINGS	SA-105
SHELL & HEAD FLANGES	
REINFORCING PADS	SA-285-C
GASKETS	1/8" JM-70
BOLTING	SA-193-B7
NUTS	SA-194-2H
SUPPORTS/SADDLES	SA-285C
M.V. STEM, GUIDE	SA-285-C / SA-96
3" SUPPORT	SA-36
MANHOLE FLANGE	SA-285-C
PUMP CRADLE	SA-285-C

SURFACE PREPARATION AND FINISH	
INTERIOR	SEE NOTES
EXTERIOR	SEE NOTES

IF SBLASTING IS REZO, ROTOBLAST PLATE IN FLAT PRIOR TO LAYOUT.

CAPACITY (APPROX.): 55,998 GALS
WEIGHT FULL OF WATER (APPROX.): 544231 #
CODE STAMP (S) / [redacted] REQ'D.
CUSTOMER INSPECTION (S) / [redacted] REQ'D.
BOLT HOLES STRADDLE NATURAL VESSEL CENTERLINE UNLESS OTHERWISE NOTED.
REINFORCING PADS TO HAVE (1) 1/4" NPT TEST TAP.
ALL FLANGE FACES AND COUPLINGS TO BE PROTECTED FOR SHIPMENT.

* TRIPLE FILM TECHNIQUE

TI APERTURE CARD

NOTE: OMIT APPROXIMATELY 1" OF WELD FROM BOTH SIDES OF WEAR PLATES AT LOWEST POINT TO PROVIDE DRAINAGE. WEAR PLATES DENOTE REQUIRING SOAP BUBBLE TEST.

NUCLEAR

NINE MILE POINT NUCLEAR STATION-UNIT 2
NIAGARA MOHAWK POWER CORPORATION
J.O. No. 12177 - P.O. No. NMP2-P223E

REV.	DESCRIPTION	BY	DATE	APPROVAL ENGR.	APPROVAL QA
7	ADDED NOTE	RD	5/18/82	[illegible]	[illegible]
6	CHG TO PNEUMATIC TEST	SW	4/26/82	MC	[illegible]
5	CHG NOZZLE ORIENT	SW	4/16/82	MC	[illegible]
4	CHG SADDLE MAT	SW	4/14/82	MC	[illegible]
3	PUMP RECT. THICKNESS	SW	3/26/82	MC	[illegible]
2	ADDED NOZZLES	SW	3/16/82	MC	[illegible]
1	[illegible]	SW	3/4/82	MC	[illegible]
REV. NO.	CHANGE NOTICE NO.				

REVISIONS

NO. UNITS REQ'D.	1
CUSTOMER ORDER NO.	NMP2-P223E
ZONE/PT #	
CUST. DWG. OR SPEC.	
CUST. TAG OR ITEM NO.	2EGF TK 1A, 1B

RICHMOND ENGINEERING CO., INC.
RICHMOND VIRGINIA

STANDBY DIESEL GEN FUEL OIL STOR TANK
NIAGARA MOHAWK / STONE & WEBSTER

JOB NO.	DATE	DRAWN BY	DRAWING NO.	REV.
N-2413 1250	2/6/81	K KWILIS	D-81-89	7
	CHECKED BY	APPROVED		
	ET	WFW		

STONE & WEBSTER ENGINEERING CORPORATION
NINE MILE POINT NUCLEAR STATION - UNIT 2
NIAGARA MOHAWK POWER CORPORATION
J.O. 12177

INSTRUCTIONS TO SUPPLIER (E2)

- ✓ APPROVED — AS DEFINED IN SPECIFICATION
- ✓ APPROVED AS REVISED
- ✓ RELEASED FOR FABRICATION
- ✓ RELEASED FOR MATERIAL PURCHASE

SUPPLIER TO RESUBMIT:
- 2 NO. REVISED PRINTS
- REVISED MICROFILM APERTURE CARDS
- FOR REVIEW
- ✓ FOR RECORD
- NONE REQUIRED

NOTES:

SEE MAIN INFORMATION ONLY — RETURN TO SUPPLIER NOT REQUIRED

DESIGN ENGINEER'S (DATE STAMP) (D1): NA
CHECKED/APPROVED REVIEWERS: N-A
RESPONSIBLE ENGINEER'S (DATE STAMP) (E2): MAY 19 1982

SUPERSEDES SDW FILE NO. (E1) (25-34): 0003270101600 5F
MICROFILM NO. (E1) (35-74): N-A
SDW EQUIP. TAG CODE (E1): 2EGF
AREA DESIGNATION CODES (E1) (75-80): TK1A1B
MFR'S DWG NO. (E1) (17-32): 081-89 AD7
MFR'S NAME (E1) (LIMIT TO 20 CHARACTERS & BLANKS) (33-52): RECO
DATE REC'D (E1): MONTH 05 DAY 19 (YR 82)
DWG TYPE (E1): T
MAX DATE IN DESIGN (E1): 21
FUNCTIONAL TITLE (E1) (LIMIT TO 24 CHARACTERS & BLANKS) (53-76): STANDBY DIESEL GEN FUEL OIL STOR. TANK
SDW FILE NO. (E1): 0003270101600 5
JOB ORDER NO.: 12177 00

8407260355 D