

REV	DESCRIPTION	DATE	BY	CHKD
1	REVISED 654 NOTE NO. 1 (A)	11-11-57	JWR	JWR
2	REVISED 654 NOTE NO. 1 (A) & 1 (B)	11-11-57	JWR	JWR
3	REVISED 654 NOTE NO. 1 (A) & 1 (B)	11-11-57	JWR	JWR
4	REVISED 654 NOTE NO. 1 (A) & 1 (B)	11-11-57	JWR	JWR
5	REVISED 654 NOTE NO. 1 (A) & 1 (B)	11-11-57	JWR	JWR
6	REVISED 654 NOTE NO. 1 (A) & 1 (B)	11-11-57	JWR	JWR
7	REVISED 654 NOTE NO. 1 (A) & 1 (B)	11-11-57	JWR	JWR

TABLE (D-2)

INSTRUMENT NUMBER	DATE	WEIGHT
1	413.75	
2 AND 3	413.30	
4 AND 5	412.84	
6 AND 7	412.22	
8	411.24	
9 AND 10	410.44	
11 AND 12	410.28	
13	409.44	
14 AND 15	407.47	
16 AND 17	407.47	
18 THRU 21	407.28	
22 AND 23	406.28	
24 THRU 27	404.14	
28	403.78	
29 AND 30	403.47	
31	403.16	
32 AND 33	400.28	
34 AND 35	399.41	
36 AND 37	398.97	
38 THRU 40	397.69	
41 AND 42	393.14	
43 AND 44	393.38	
45 THRU 47	392.51	
48 AND 49	391.91	
50 AND 51	391.41	
52 THRU 54	388.51	
55 THRU 58	387.34	

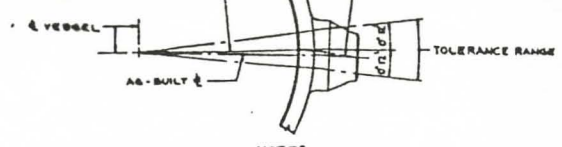
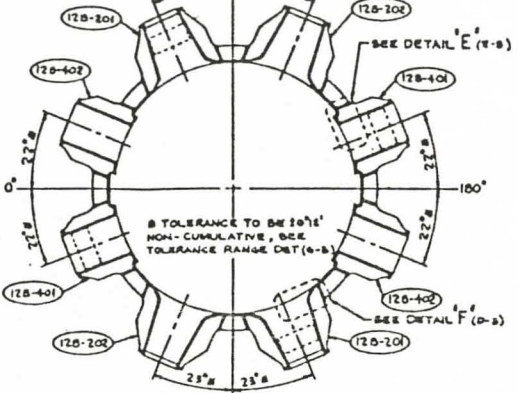
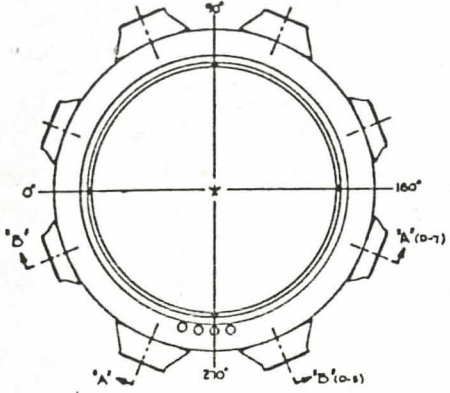
WEIGHT TABLE

COMPONENT	WEIGHT
VESSSEL	661,674.8
CLOSURE HEAD	165,180.8
STUDS, NUTS, AND WASHERS	37,151.8
TOTAL	863,957.4

SECTIONAL ELEVATION

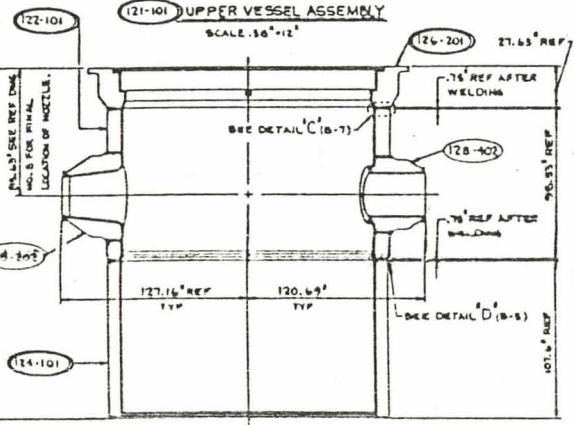
NO.	TITLE	DRAWING NUMBER
1	GENERAL APPEARANCE PLAN	12573-171-001
2	VESSSEL WELDING	12573-171-002
3	VESSSEL CL WELDING	12573-171-003
4	VESSSEL WELDING	12573-171-004
5	VESSSEL WELDING	12573-171-005
6	VESSSEL WELDING	12573-171-006
7	VESSSEL WELDING	12573-171-007
8	VESSSEL WELDING	12573-171-008
9	VESSSEL WELDING	12573-171-009
10	VESSSEL WELDING	12573-171-010

NO.	DESCRIPTION	QTY	UNIT	WEIGHT
1	VESSSEL	1	EA	661,674.8
2	CLOSURE HEAD	1	EA	165,180.8
3	STUDS, NUTS, AND WASHERS	1	EA	37,151.8
4	TOTAL			863,957.4

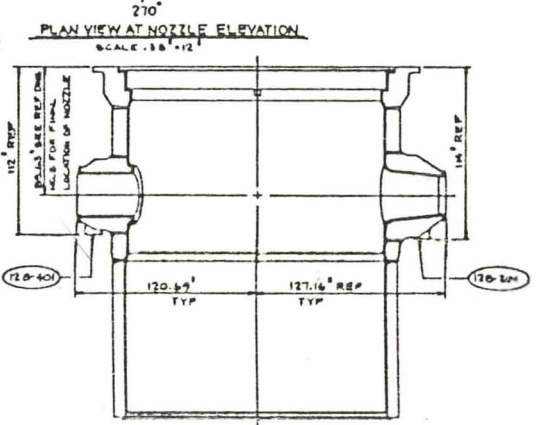


- NOTES**
1. THE AB-BUILT ϕ IS A LINE PASSING THROUGH OUTER CENTER OF NOZZLE AND THROUGH CENTER OF VESSEL.
 2. THE ACTUAL NOZZLE ϕ MUST BE PARALLEL TO AB-BUILT ϕ WITHIN .08" PER FOOT AND MUST NOT LIE OUTSIDE TOLERANCE RANGE AT ANY POINT.

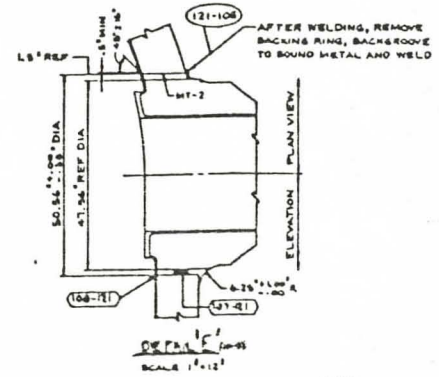
TOLERANCE RANGE DETAIL (6-8)
SCALE NONE



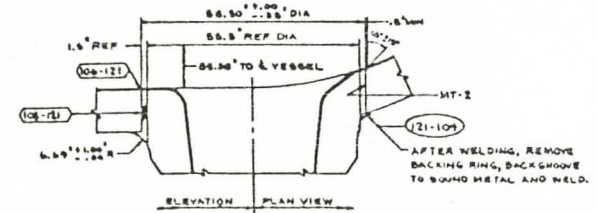
SECTION A-A (8-7)
SCALE .50"=1"



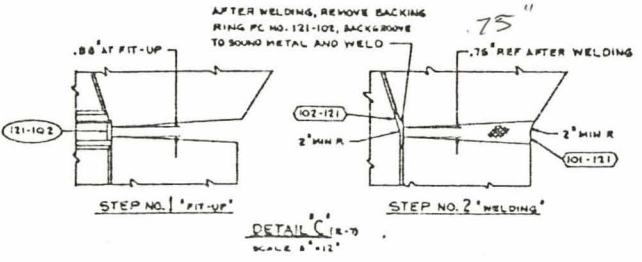
SECTION B-B (7-7)
SCALE .50"=1"



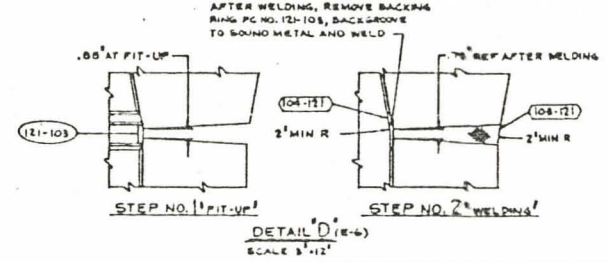
DETAIL F (9-5)
SCALE 1"=12"



DETAIL F (9-5)
SCALE 1"=12"



DETAIL C (10-7)
SCALE 2"=12"



DETAIL D (10-6)
SCALE 3"=12"

8.8 IN. PROCESS ULTRASONIC INSPECTION SHALL BE PERFORMED BEFORE FINAL STRESS RELIEF.

PC NO.	DESCRIPTION	QTY	UNIT	REVISION	DATE
128-401	INLET NOZZLE (SEE REF DWG NO. 6)				
128-402	INLET NOZZLE (SEE REF DWG NO. 6)				
128-201	OUTLET NOZZLE (SEE REF DWG NO. 5)				
128-202	OUTLET NOZZLE (SEE REF DWG NO. 5)				
128-204	OUTLET NOZZLE (SEE REF DWG NO. 5)				
121-108	UPPER VESSEL ASSEMBLY (SEE REF DWG NO. 1)				
121-109	UPPER VESSEL ASSEMBLY (SEE REF DWG NO. 1)				
108-121	BACKING RING TO MOUNT NOZZLE (SEE REF DWG NO. 2)				
107-11	UPPER VESSEL ASSEMBLY (SEE REF DWG NO. 1)				

NO.	TITLE	DRAWING NUMBER
1	PROCESS SPECIFICATIONS	12573-121-001
2	UPPER SHELL	12573-121-002
3	INTERMEDIATE SHELL	12573-121-003
4	INLET NOZZLE MACHINING AND CLADDING	12573-121-004
5	OUTLET NOZZLE CLADDING AND MACHINING	12573-121-005
6	UPPER VESSEL MACHINING	12573-121-006
7	UPPER VESSEL MACHINING	12573-121-007

GENERAL NOTES

1. ALL WELDS, WHERE TWO OR MORE ARE REQUIRED HAVING THE SAME NUMBER, WILL BE IDENTIFIED WITH SURFIC A, B, C, ETC STARTING AT THE O'AXIS AND GOING CLOCKWISE.
2. ALL CLADDING TO BE AS DEPOSITED FINISH UNLESS NOTED AND A MIN THICKNESS OF .15" UNLESS NOTED.

REFERENCE DRAWINGS

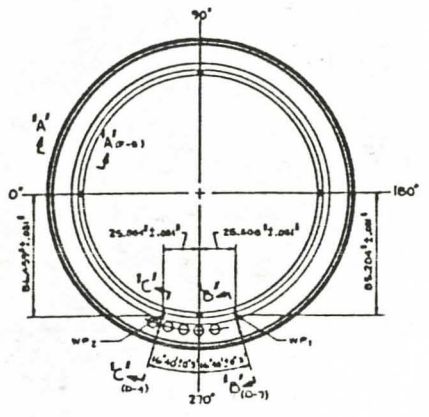
1. 12573-121-001
2. 12573-121-002
3. 12573-121-003
4. 12573-121-004
5. 12573-121-005
6. 12573-121-006
7. 12573-121-007

LIST OF MATERIAL - QUALIFIED FOR SERVICE BY THE CONTRACTOR

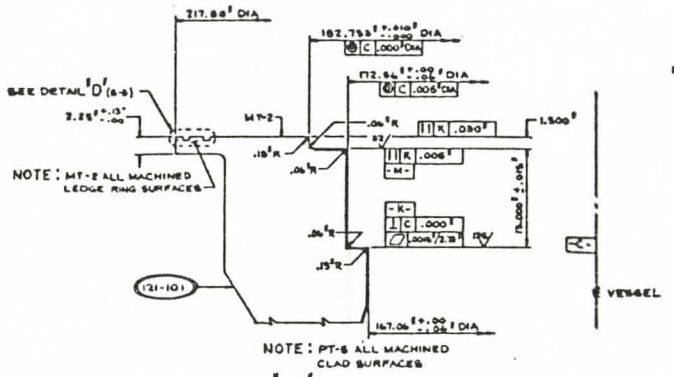
ITEM NO.	DESCRIPTION	QTY	UNIT	REVISION	DATE
1	UPPER VESSEL ASSEMBLY				
2	UPPER VESSEL ASSEMBLY				
3	UPPER VESSEL ASSEMBLY				
4	UPPER VESSEL ASSEMBLY				
5	UPPER VESSEL ASSEMBLY				
6	UPPER VESSEL ASSEMBLY				
7	UPPER VESSEL ASSEMBLY				
8	UPPER VESSEL ASSEMBLY				
9	UPPER VESSEL ASSEMBLY				
10	UPPER VESSEL ASSEMBLY				

WESTINGHOUSE ELECTRIC CORP.
17570 PWR

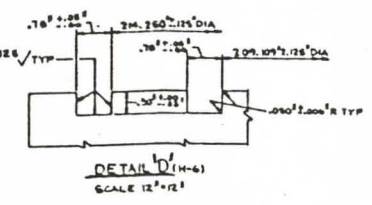
E 12573-121-001



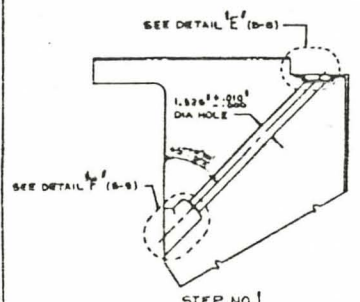
(121-101) UPPER VESSEL ASSEMBLY
SCALE .875"=12"



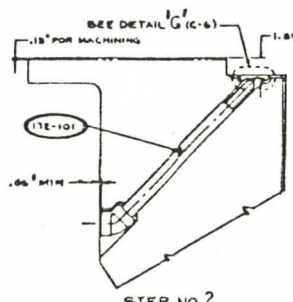
SECTION A-A (A-A)
FINAL MACHINING
SCALE 2"=12"



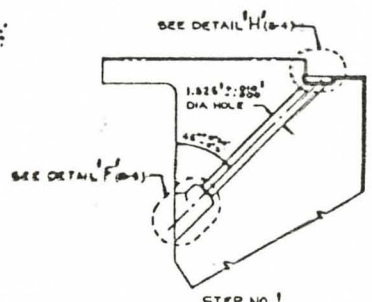
DETAIL D (D-6)
SCALE 12"=12"



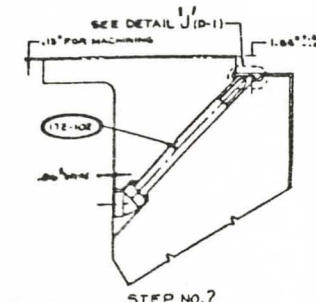
SECTION E (E-8)
SCALE 2"=12"



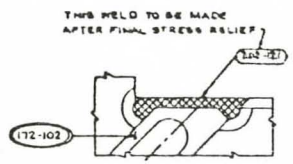
SECTION G (G-6)
SCALE 12"=12"



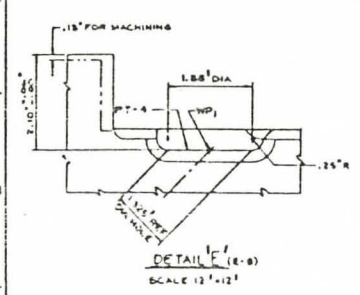
SECTION H (H-4)
SCALE 2"=12"



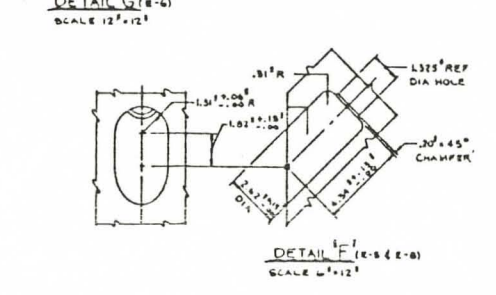
SECTION J (J-11)
SCALE 2"=12"



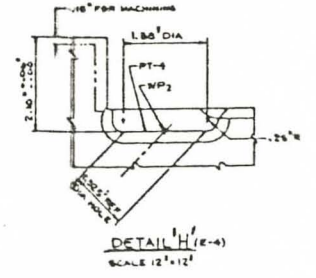
DETAIL J (J-1)
SCALE 12"=12"



DETAIL F (F-8)
SCALE 12"=12"



DETAIL G (G-6)
SCALE 12"=12"



DETAIL H (H-4)
SCALE 12"=12"

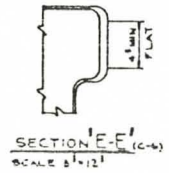
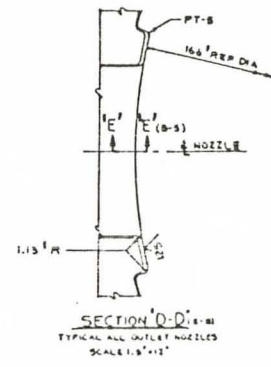
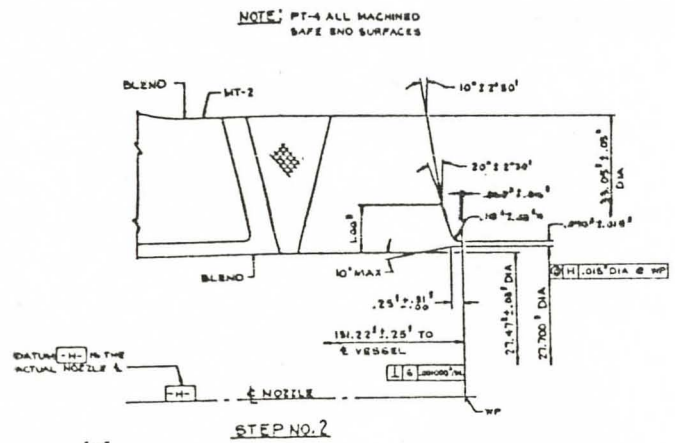
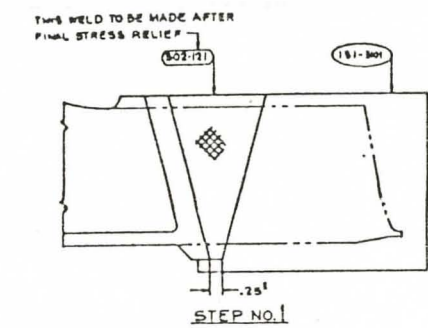
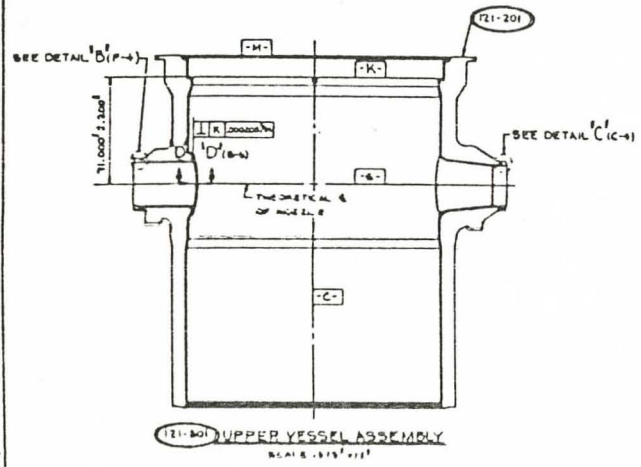
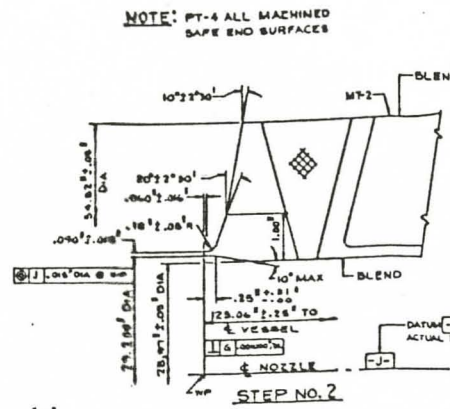
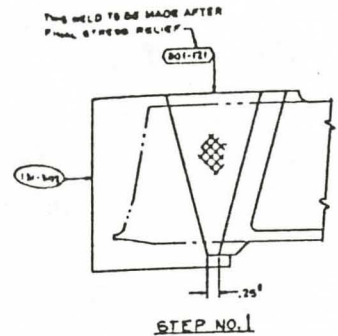
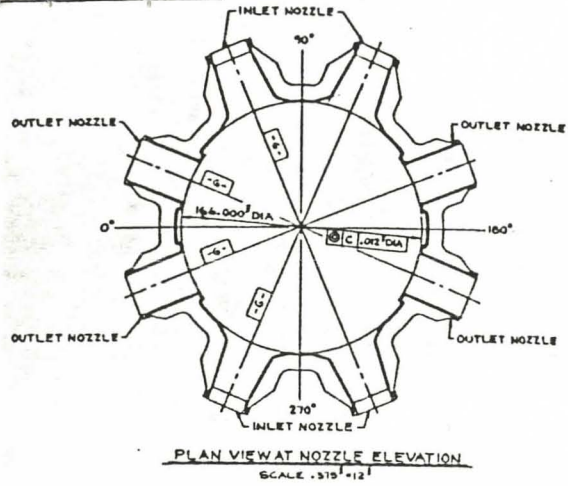
GENERAL NOTES		REFERENCE DRAWINGS	
1. ALL CLADDING TO BE DEPOSITED FINISH UNLESS NOTED AND A MINIMUM THICKNESS OF .15" UNLESS NOTED.		NO.	TITLE
		1	PROCESS SPECIFICATIONS
		2	UPPER VESSEL ASSEMBLY
		3	WRIGHTS TUBE
		4	UPPER VESSEL MACHINING

REVISIONS		APPROVALS		DATE	
NO.	DESCRIPTION	BY	DATE	BY	DATE
1	ISSUED FOR CONSTRUCTION				
2	REVISION				

MATERIALS		QUANTITIES	
ITEM NO.	DESCRIPTION	QTY	UNIT
1	UPPER VESSEL ASSEMBLY	1	ASSEMBLY

SPECIFICATIONS	
1	UPPER VESSEL ASSEMBLY
2	WRIGHTS TUBE
3	UPPER VESSEL MACHINING

REVISIONS	DATE	APPROVED



MATERIAL NOTES
 A AS SUPPLEMENTED BY CE PURCHASE SPECIFICATION N-POC(8) AND ADDENDA (10) & (11) AND CONTRACT SUPPLEMENT 12573-100.

REV. NO.	DATE	DESCRIPTION	BY	CHKD.
1	10/1/53	ISSUED FOR FABRICATION		
2	10/1/53	REVISIONS		
3	10/1/53	REVISIONS		
4	10/1/53	REVISIONS		

REV. NO.	DATE	DESCRIPTION	BY	CHKD.
1	10/1/53	ISSUED FOR FABRICATION		
2	10/1/53	REVISIONS		
3	10/1/53	REVISIONS		
4	10/1/53	REVISIONS		

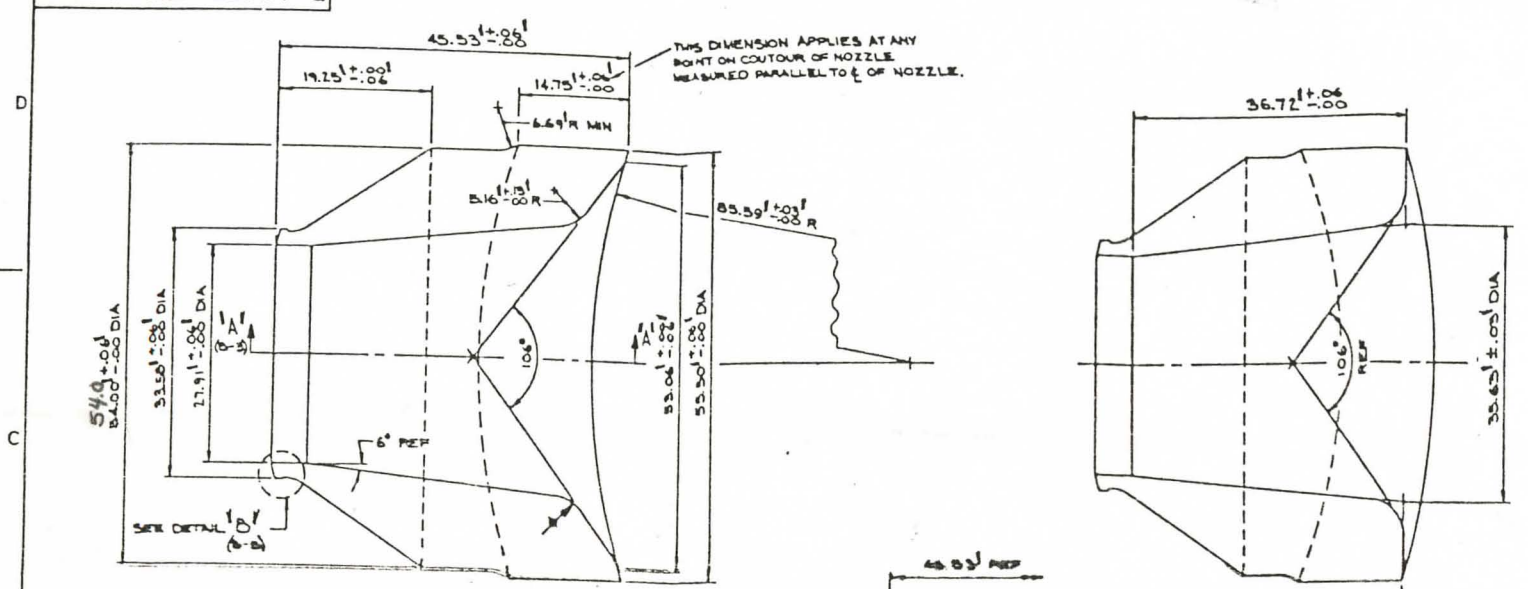
NO.	DESCRIPTION	DATE
1	PRELIMINARY SPECIFICATION	8-17-53
2	FINAL SPECIFICATION	8-17-53
3	DESIGN DRAWINGS	8-17-53
4	CONSTRUCTION SPECIFICATIONS	8-17-53
5	WELDING SYMBOLS	8-17-53
6	WELDING PROCEDURES	8-17-53
7	WELDING QUALITY CONTROL	8-17-53
8	WELDING INSPECTION	8-17-53
9	WELDING RECORDS	8-17-53
10	WELDING REPORTS	8-17-53
11	WELDING CERTIFICATES	8-17-53
12	WELDING INSPECTION REPORTS	8-17-53
13	WELDING INSPECTION RECORDS	8-17-53
14	WELDING INSPECTION CERTIFICATES	8-17-53
15	WELDING INSPECTION REPORTS	8-17-53
16	WELDING INSPECTION RECORDS	8-17-53

GENERAL NOTES
 1. ALL CLADDING TO BE AS DEPOSITED WITHIN UNLESS NOTED AND A MINIMUM THICKNESS OF .15" UNLESS NOTED.
 2. ALL WELDS, WHERE TWO OR MORE ARE REQUIRED HAVING THE SAME NUMBER, WILL BE IDENTIFIED WITH SUFFIX A, B, C ETC STARTING AT THE ODDS AND GOING CLOCKWISE.

WESTINGHOUSE ELECTRIC CORP
 17370 PWR
 E 12573-121-003
 SCALE AS NOTED
 10/1/53

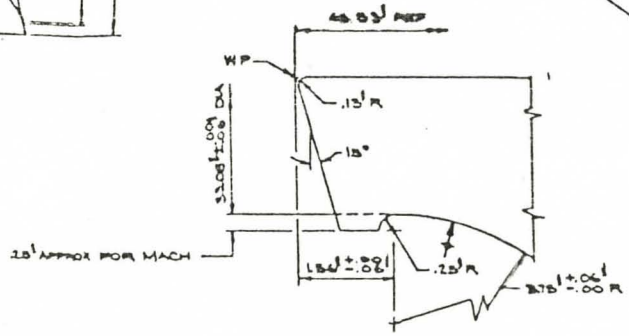
D-12573-128-001

REVISIONS			DATE	APPROVED
01	B-3	REV MATL NOTE 'A'	3/27/74	J. HENRY
	A-3	REV MATL SPEC ON PC NO. 128-101	4/5/74	Y/V/11 C.D. HARRIS



PLAN VIEW
INLET NOZZLE
SCALE 1.0"=1.1"
WEIGHT=14.360#

SECTION A-A (C-D)
SCALE 1.0"=1.2"



DETAIL B-B (C-D)
SCALE 1.2"=1.2"

MATERIAL NOTES
A-1 IS SUPPLEMENTED BY THE PURCHASE SPECIFICATION N-P3C16 (b) & ADDENDA 2(a), 4(a), 5(a) & 6(b).

GENERAL NOTES
1. --- DENOTES REF MACHINING.
2. + + DENOTES HIGH STRESS AREA.

REFERENCE DRAWINGS	
NO.	TITLE
10	INLET NOZZLE CLADDING AND MACHINING

WELD NUMBER	W/P NUMBER	NO. FREE	NO. FREE	NO. FREE	NO. FREE	NO. FREE	NO. FREE	OFF. CHGR.
PT	UT	BT	UT	BT	UT	BT	UT	CHGR.

UNLESS OTHERWISE SPECIFIED
1. DIMENSIONS & TOLERANCES TO USASI 114B - 1964
2. ALL DIMENSIONS APPLY AT REFERENCE TEMP. OF 66° ± 0°
3. REF. DIMENSIONS ARE FOR INFORMATION ONLY. DO NOT USE FOR FABRICATION.
4. MARKING BY HANDS TO THIRD TOOL, LESS LOW STRESS STAMP, .03" MAX DEPTH
5. BREAK ALL SHARP EDGES WITH APPROP. RADIUS OR CHAMFER
6. MACHINED SURFACES INTERNAL - 250AA OR BETTER. EXTERNAL - 300AA OR BETTER
7. SIZES IN L/W ARE FINISHED SIZES - NO ALLOWANCE MADE FOR FABRICATION OR WELD SHRINKAGE.
8. TOLERANCE ON X¹ = ± .06¹, X² = ± .010¹, ANGLES ± 0° - 30°
9. SEE REF. DWG NO. ___ FOR NO. 1 ITEM NO. IN WELD TABLE & NOT CALL OUT ON DWG.
10. SEE DWG. ___ FOR APPLICABLE EQUIPMENT SPECIFICATIONS.
11. DOUBLE ARROW INDICATES DIMENSION TO GIVEN REFERENCE LINE.
12. DEVELOPED LENGTH IN L/W IS GIVEN ON REAR CENTERLINE.

MATERIAL				QUANTITIES FOR ONE UNIT OF CONTRACT			
WELD	NO.	PC NO.	REQD.	MATERIAL	WELD	NO.	REQD.

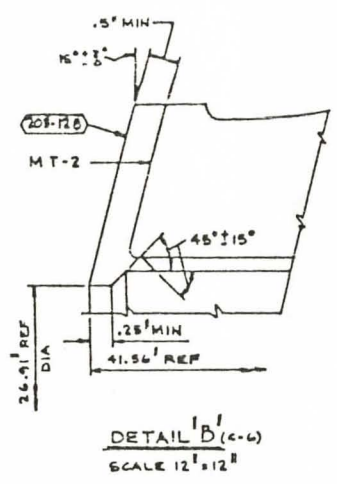
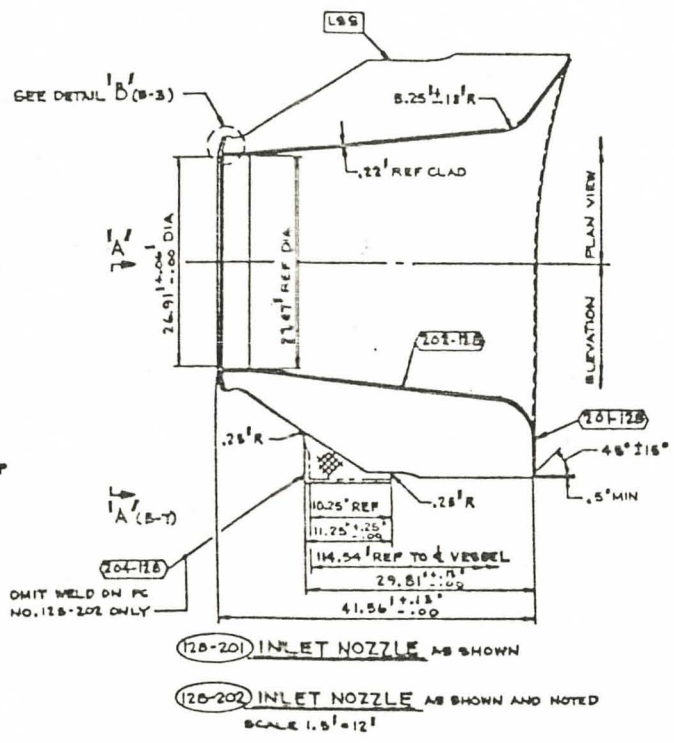
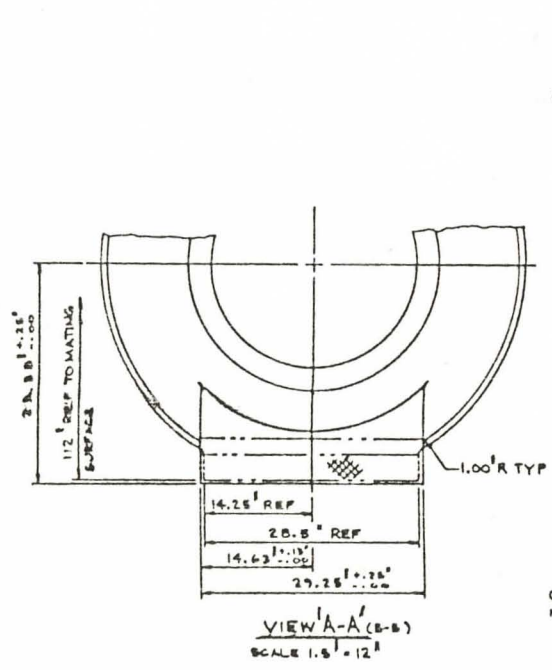
OWN BY ANTHONY A SIMS
DATE 1-15-74
CAD BY J. STEWART
DATE 1-16-74
ANAL. ENGR. J. HENRY
DATE 2-11-74
PHYS. ENGR. J. HENRY
DATE 2-22-74
APPROVAL

INLET NOZZLE
WESTINGHOUSE ELECTRIC CORP.
1781 D PWR

SCALE AS SHOWN
CONT 12573
SHEET 01

D-12573-128-002

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVAL



ITEM	DESCRIPTION	QTY	UNIT	REMARKS
204-12B	N-DWFS-SMA-3.3-14-1	4	F	2 F
203-12B	N-DWFS-SMA-3.43-204-1	4	F	1 F
202-12B	N-DWFS-SMA-3.8-111-D	5	F	0 F
201-12B	N-DWFS-SMA-3.10-161-D	5	F	0 F

ITEM	DESCRIPTION	QTY	UNIT	REMARKS
B-5	128-202	2	INLET NOZZLE	
B-5	128-201	2	INLET NOZZLE	SEE REF DNG NO. 1

GENERAL NOTES

- ALL CLADDING TO BE AS DEPOSITED FINISH UNLESS NOTED AND A MINIMUM THICKNESS OF .12" UNLESS NOTED.

REFERENCE DRAWINGS

NO.	TITLE	DRAWING NUMBER
1	PROCESS SPECIFICATIONS	D-12573-128-002
2	INLET NOZZLE	D-12573-128-001
3	UPPER VESSEL ASSEMBLY	D-12573-121-001

UNLESS OTHERWISE SPECIFIED

- DIMENSIONS & TOLERANCES TO DEANS FILE - 1968
- ALL DIMENSIONS APPLY AT REFERENCE TEMP. OF 86° F.
- REF. DIMENSIONS ARE FOR INFORMATION ONLY, DO NOT USE FOR FABRICATION
- MARKING SYMBOLS: VT=VIBRO TOOL LOW-LOW STRESS STAMP, OR=ORIAL DEPTH
- BREAK ALL SHARP EDGES WITH APPROX. .06" RADIUS OR CHAMFER
- MACHINED SURFACES: INTERNAL - 3200A OR BETTER EXTERNAL-3000A OR BETTER
- SIZES IN L/W ARE FINISHED SIZES - NO ALLOWANCE MADE FOR FABRICATION OR WELD SHRINKAGE
- TOLERANCE ON .1" ±.01", .125" ±.005", .150" ±.005", .1875" ±.005", .250" ±.005", .3125" ±.005", .375" ±.005", .500" ±.005", .625" ±.005", .750" ±.005", .875" ±.005", 1.000" ±.005", 1.250" ±.005", 1.500" ±.005", 1.750" ±.005", 2.000" ±.005", 2.500" ±.005", 3.000" ±.005", 3.500" ±.005", 4.000" ±.005, 4.500" ±.005, 5.000" ±.005, 5.500" ±.005, 6.000" ±.005, 6.500" ±.005, 7.000" ±.005, 7.500" ±.005, 8.000" ±.005, 8.500" ±.005, 9.000" ±.005, 9.500" ±.005, 10.000" ±.005
- SEE REF. DNG. NO. 1 FOR NOT ITEM NO. IN WELD TABLE & NOT CALL OUT ON DWS.
- SEE DWS. 128-201-004 FOR APPLICABLE EQUIPMENT SPECIFICATIONS.
- DOUBLE ARROWS INDICATES DIMENSION TO GIVEN REFERENCE LINE.
- DEVELOPED LENGTH IN L/W IS GIVEN ON MEAN CENTERLINE.

MACHINING TOLERANCES FOR MACHINED SURFACES UNLESS SPECIFIED ON DRAWING

FIN.	REQUIREMENTS	FIN.	REQUIREMENTS
1	STRAIGHTNESS	10	PERFECT
2	PERFECT	11	PERFECT
3	PERFECT	12	PERFECT
4	PERFECT	13	PERFECT
5	PERFECT	14	PERFECT
6	PERFECT	15	PERFECT
7	PERFECT	16	PERFECT
8	PERFECT	17	PERFECT
9	PERFECT	18	PERFECT

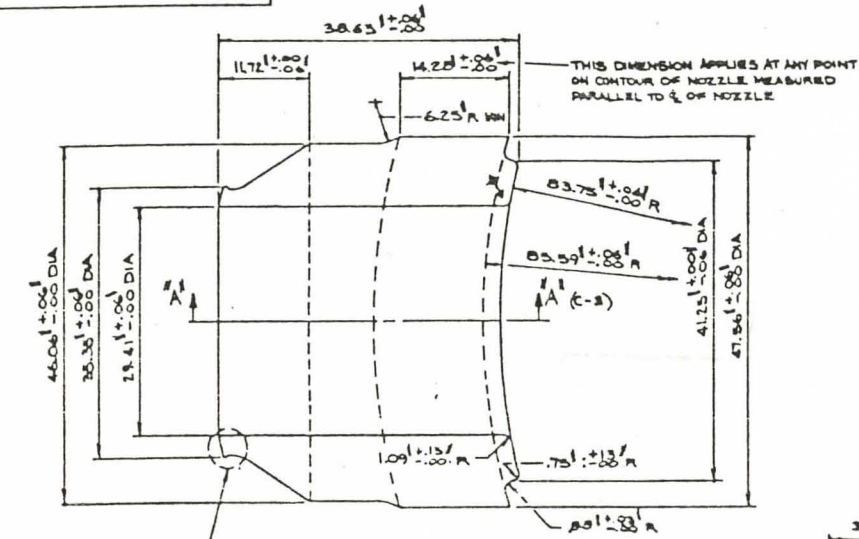
INLET NOZZLE CLADDING AND MACHINING WESTINGHOUSE ELECTRIC CORP 1731D PWR

DATE: 1/18/72
 ANAL. ENGR: J. H. H. M. J.
 PROJ. ENGR: J. H. H. M. J.
 DATE: 2/2/72

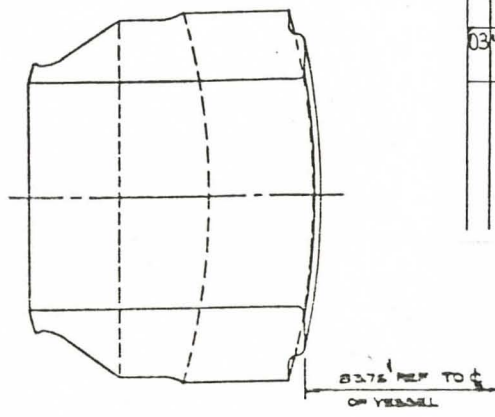
APPROVAL: [Signature]

SCALE AS NOTED
 CHATTANOOGA
 12573-128-002
 1731D PWR

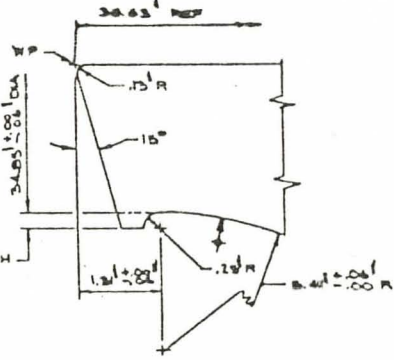
D-12573-128-003



PLAN VIEW
 (128-301) OUTLET NOZZLE
 SCALE 1/2"=1"
 WEIGHT = 7.651 *



SECTION A-A' (C-B)
 SCALE 1/2"=1"



DETAIL B' (C-B)
 SCALE 1/2"=1"

REVISIONS			
NO	DATE	DESCRIPTION	APPROVED
01	0-6	DIM 83.78 WAS 82.5 R	Joseph
	0-7	DIM 38.63 WAS 39.70	J.S.
	0-8	REVISD WEIGHT	
	0-9	ADDED TOL TO .75 R & 1.09 R	
	0-7	DIM 14.26 WAS 14.09 & 6.25 WAS 5.30	
02	0-8	DIM .80 R WAS 1.09 R	J.S.
03	1-4	REVISD MATL SPEC & MATL NOTE 'A' ON PC NO. 128-301	J.S.

MATERIAL NOTES
 A' = AS SUPPLEMENTED BY THE PURCHASE SPECIFICATION N-PS C 16 (B) AND ADDENDA 2(a), 4(a), 5(a) AND 6(b).

GENERAL NOTES
 1. --- DENOTES RE MACHINING
 2. L + DENOTES HIGH STRESS AREA.

NO	TITLE	DRAWING NO.
1	OUTLET NOZZLE CLADDING AND MACHINING	D-12573-128-004

WELD NUMBER	S W P NUMBER	NO	FRSE	NO	FRSE	NO	FRSE	NO	FRSE	NO	FRSE	NO	FRSE	NO	FRSE	NO	FRSE

UNLESS OTHERWISE SPECIFIED
 1. DIMENSIONS & TOLERANCES TO UNLESS OTHERWISE SPECIFIED
 2. ALL DIMENSIONS APPLY AT REFERENCE TEMP. OF 68° F.
 3. REF. DIMENSIONS ARE FOR INFORMATION ONLY. DO NOT USE FOR FABRICATION.
 4. MARKING SYMBOLS VIT-NIBRO TOOL LBS-PLOW & FINISH STAMP Q3 SEAL DEPTH
 5. BREAK ALL SHARP EDGES WITH APPROX. Q3 RADIUS OR CHAMFER
 6. MACHINED SURFACES INTERNAL - 3204A OR BETTER EXTERNAL 3204A OR BETTER
 7. SIZES IN L/W ARE FINISHED SIZES - NO ALLOWANCE MADE FOR FABRICATION OR WELD SHRINKAGE
 8. TOLERANCE ON 1/4" DIA OR LARGER = ± .010" ANGLES 20°-30°
 9. SEE REF. DWG. NO. ___ FOR NOT ITEM NO. IN WELD TABLE & NOT CALL OUT ON DWG.
 10. SEE DWG. ___ FOR APPLICABLE EQUIPMENT SPECIFICATIONS.
 11. DOUBLE ARROW INDICATES DIMENSION TO GIVEN REFERENCE LINE.
 12. DEVELOPED LENGTH IN L/W IS GIVEN ON MEAN CENTERLINE.

REV	BY	CHKD	DATE	APP'D
1	J.S.	J.S.	7-13-74	J.S.

LIST OF MATERIAL - QUANTITIES FOR CONTRACT
 1. ALUMINUM
 2. STEEL
 3. COPPER
 4. BRASS
 5. INCONEL
 6. MONEL
 7. TITANIUM
 8. ZIRCONIUM
 9. CARBON STEEL
 10. STAINLESS STEEL
 11. ALUMINUM BRASS
 12. BRASS
 13. COPPER
 14. INCONEL
 15. MONEL
 16. TITANIUM
 17. ZIRCONIUM

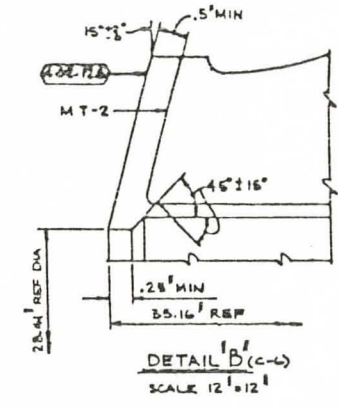
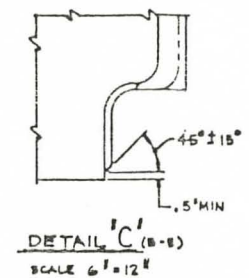
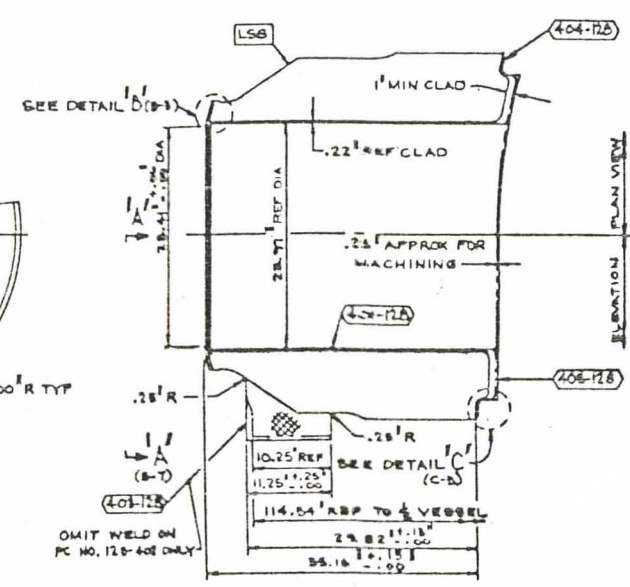
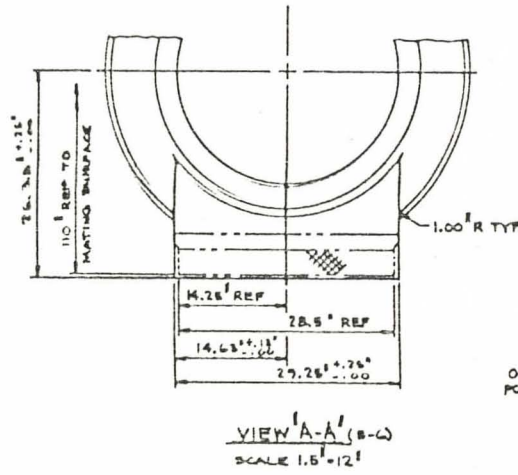
APPROVAL
 J.S.
 J.S.

OUTLET NOZZLE
 WESTINGHOUSE ELECTRIC CORP
 175 110 PWR

SCALE AS SHOWN
 D 12573-128-003
 SHEET 03

D-12573-128-004

REVISIONS			
REV. NO.	DESCRIPTION	DATE	APPROVED



- (128-401) OUTLET NOZZLE AS SHOWN
- (128-402) OUTLET NOZZLE AS SHOWN AND NOTED

WELD NUMBER	DWP	NO	FINN	NO	FINN	NO	FINN	NO	FINN	NO	FINN	NO	FINN	NO	FINN	NO	FINN	NO	FINN	
405-12B	N-DWPS-SMA-3.43-104-1	5	F																	
404-12B	N-DWPS-SMA-3.6-104-0	5	F																	
403-12B	N-DWPS-SMA-3.3-110-1			2	F															
402-12B	N-DWPS-SMA-3.43-104-1	4	F																	
401-12B	N-DWPS-SMA-3.6-111-0	5	F																	

REV	NO	PC NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
B-5		128-402	2	OUTLET NOZZLE																	
B-5		128-401	2	OUTLET NOZZLE	SEE REF DWG NO. 2																

GENERAL NOTES

- ALL CLADDING TO BE AS DEPOSITED FINISH UNLESS NOTED AND A MINIMUM THICKNESS OF .13" UNLESS NOTED.

NO.	TITLE	DRAWING NUMBER
1	PROCESS SPECIFICATIONS	D-12573-128-001
2	OUTLET NOZZLE	D-12573-128-002
3	UPPER VESSEL ASSEMBLY	D-12573-128-003

UNLESS OTHERWISE SPECIFIED

- DIMENSIONS & TOLERANCES TO UNAS 114.8 - 1968
- ALL DIMENSIONS APPLY AT REFERENCE TEMP. OF 68° F.
- REF. DIMENSIONS ARE FOR INFORMATION ONLY. DO NOT USE FOR FABRICATION.
- MARKING SYMBOLS VS. VARIOUS TOLERANCE SYSTEMS: STRENGTH STAMP, .03" MAX. DEPTH
- BREAK ALL SHARP CORNERS WITH APPROX. .03" RADIUS OR CHAMFER
- MACHINED SURFACES: INTERNAL - 8/32" OR BETTER; EXTERNAL - 8/32" OR BETTER
- SIZES IN 1/8" ARE FINISHED SIZES - NO ALLOWANCE MADE FOR FABRICATION OR WELD SHRINKAGE
- TOLERANCE ON 1/8", 3/16", 1/4", 3/8", 1/2", 5/8", 3/4", 1" ANGLES 20° ± 50'
- SEE REF. DWG. NO. 1 FOR NOT ITEM NO. IN WELD TABLE & NOT CALL-OUT ON DWG.
- SEE DWG. NO. 1 FOR APPLICABLE EQUIPMENT SPECIFICATIONS.
- DOUBLE ARROW INDICATES DIMENSION TO GIVEN REFERENCE LINE.
- DEVELOPED LENGTH IN 1/8" IS GIVEN ON MEAN CENTERLINE.

QTY	DESCRIPTION	UNIT
1	PLATING	500/IN
1	REWORKING	500/IN
1	FINISHING	500/IN
1	PROFILING	500/IN
1	PARALLELISM	500/IN
1	PERPENDICULARITY	500/IN
1	ANGULARITY	500/IN
1	ROUNDNESS	500/IN
1	TAPER POSITION	500/IN
1	CONCENTRICITY	500/IN
1	SYMMETRY	500/IN

LIST OF MATERIAL - QUANTITIES FOR ONE (1) UNIT, ONE (1) UNIT ON CONTRACT

DWG. BY: B. S. H. DATE: 1-25-77
 CRO. BY: J. W. S. DATE: 1-18-77

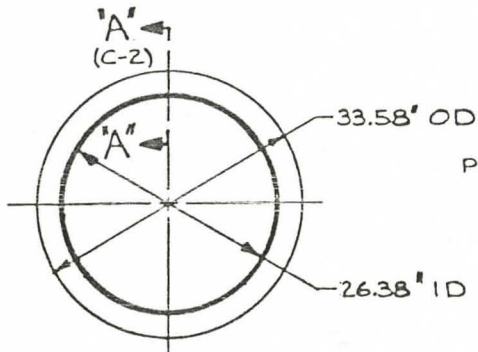
ANAL. ENGR: J. W. S. DATE: 1/18/77
 PROJ. ENGR: J. W. S. DATE: 1-18-77

OUTLET NOZZLE CLADDING AND MACHINING
 WESTINGHOUSE ELECTRIC CORP
 173" ID PWR

GE D 12573-128-004

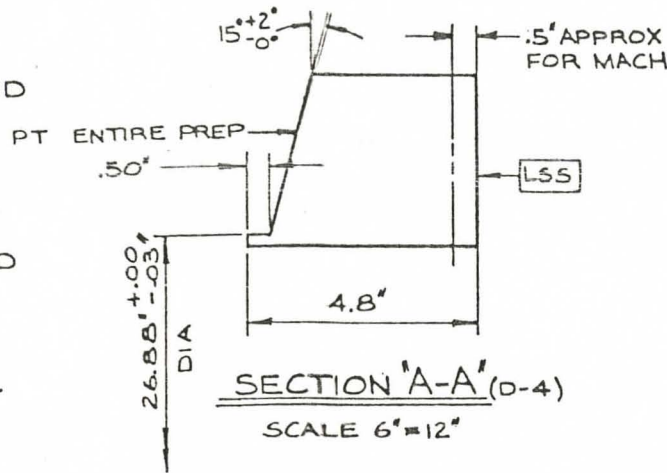
SCALE AS NOTED SHEET 12573

C-STD11-131-031



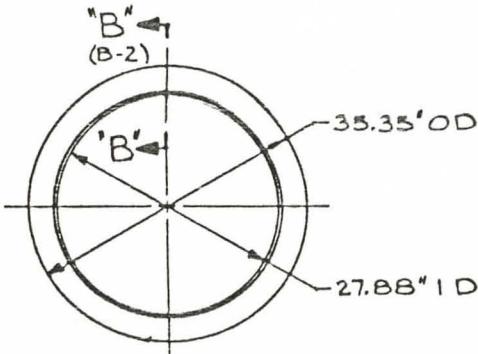
(131-3101) INLET NOZZLE SAFE END

SCALE 1"=12"



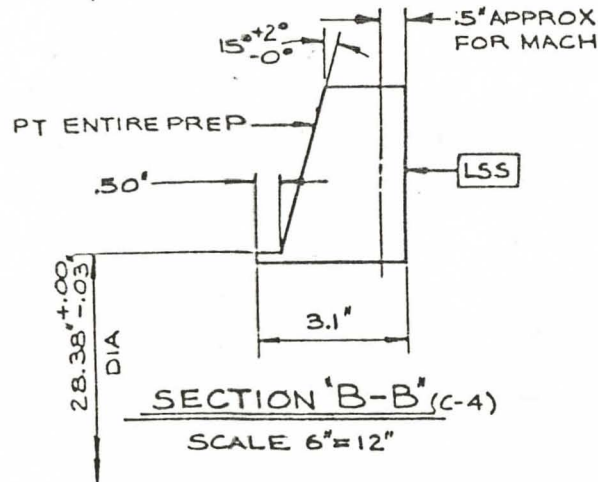
SECTION 'A-A' (D-4)

SCALE 6"=12"



(131-3102) OUTLET NOZZLE SAFE END

SCALE 1"=12"



SECTION 'B-B' (C-4)

SCALE 6"=12"

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
01	D-3 C-3	ADDED "PT ENTIRE PREP"	10/26/76	J. HALLIDAY
			10-26-76	A. SIMS
				T. MCDOWELL

WELD NUMBER	D.W.P. NUMBER	WELD TABLE								ΔP/CHEM.
		NO.	FREQ.	NO.	FREQ.	NO.	FREQ.	NO.	FREQ.	

ZONE	ASSY NO.	PC. NO.	NO. REQ'D	NOMENCLATURE	MATERIAL	MATERIAL SPEC	MATERIAL NOTES
B-4		31-3102	4	OUTLET NOZZLE SAFE END			
C-4		31-3101	4	INLET NOZZLE SAFE END			

UNLESS OTHERWISE SPECIFIED

- DIMENSIONS & TOLERANCES TO USASI Y14.5 - 1966.
- ALL DIMENSIONS APPLY AT REFERENCE TEMP. OF 68°F.
- REF. DIMENSIONS ARE FOR INFORMATION ONLY. DO NOT USE FOR FABRICATION.
- MARKING SYMBOLS: VT-VIBRO TOOL; LSS-LOW STRESS STAMP .03" MAX DEPTH.
- BREAK ALL SHARP EDGES WITH APPROX. .03" RADIUS OR CHAMFER.
- MACHINED SURFACES: INTERNAL - 250AA OR BETTER; EXTERNAL - 300AA OR BETTER
- SIZES IN L/M ARE FINISHED SIZES - NO ALLOWANCE MADE FOR FABRICATION OR WELD SHRINKAGE.
- TOLERANCE ON .X" = ±.1", .XX" = ±.06", .XXX" = ±.010" ANGLES ± 0°30'.
- SEE REF. DWG. NO. _____ FOR NDT ITEM NO. IN WELD TABLE & NDT CALL-OUT ON DWG.
- SEE DWG. _____ FOR APPLICABLE EQUIPMENT SPECIFICATIONS.
- DOUBLE ARROW INDICATES DIMENSION TO GIVEN REFERENCE LINE.
- DEVELOPED LENGTH IN L/M IS GIVEN ON MEAN CENTERLINE.

SYM.	GEOMETRY	TOL.
□	FLATNESS	001/IN
—	STRAIGHTNESS	001/IN
○	ROUNDNESS	SEE DWG
⊘	CYLINDRICITY	SEE DWG
⌒	PROFILE OF LINE	SEE DWG
⌒	PROFILE OF SURFACE	SEE DWG
∥	PARALLELISM	001/IN
⊥	PERPENDICULARITY	001/IN
∠	ANGULARITY	SEE DWG
⊥	RUNOUT	SEE DWG
⊙	TRUE POSITION	SEE DWG
⊙	CONCENTRICITY	010 DIA
—	SYMMETRY	SEE DWG

APPROVALS	
ANAL. ENGR.	J. HALLIDAY
DATE	4-30-76
PROJ. ENGR.	T. N. F. Z. I. O.
DATE	4-30-76

NOZZLE SAFE ENDS

WESTINGHOUSE ELECTRIC CORP
173" ID PWR

DWN BY **ANTHONY SIMS** CKD BY **T. MCDOWELL**
DATE **APR 12, 1976** DATE **4-26-76**

C-STD11-131-031-01

SCALE AS NOTED CONT. STANDARD

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