

- NOTES:**
- RESTORE FINISH TO GASWASH SIDE OF SIDEWALLS AND VANES AS SPECIFIED IF NECESSARY.
  - MATCH MARK ASSEMBLY NOZZLE AND DIAPHRAGM SEGMENTS.
  - NOZZLE SEGMENT AND DIAPHRAGM MUST BE LOADED ON SURFACES INDICATED BY 'X' PRIOR TO ANY RADIAL OR AXIAL CHECKS. AFTER MOST OF NOZZLE TO THIS CASE, LOAD SEGMENTS DOWNSTREAM AND CHECKS (LOOKING DOWNSTREAM) AND A COMPLETE AREA CHECK IS TO BE MADE AND REPORTED TO ENGR. ON CHECK SHEET (OF 1506). ALSO RECORD INNER AND OUTER NOZZLE AND DIAPHRAGM SIDEWALL GAPS IN ENTRANCE AND EXIT SIDES. DROP CHECKS TO BE RECORDED ON CHECK SHEET (OF 1506). GAP CHECKS TO BE RECORDED ON CHECK SHEET (OF 1506).
  - IN ADDITION TO THE ABOVE MANUFACTURING CHECKS, ALL FIELD ASSEMBLY OR MAINT. UNITS MUST HAVE DATA MEASURED AND RECORDED ON OF 1506, OF 1508 AND OF 1509 AND SUBMITTED TO GREENVILLE MECH. ENGINEERING FOR RECORD PURPOSES.
  - AREA CHECK PER ITEM 2, WARMINGS LIMIT IS 1/4" (50%) FROM 3 TO 10 IMPULSES PER REVOLUTION.

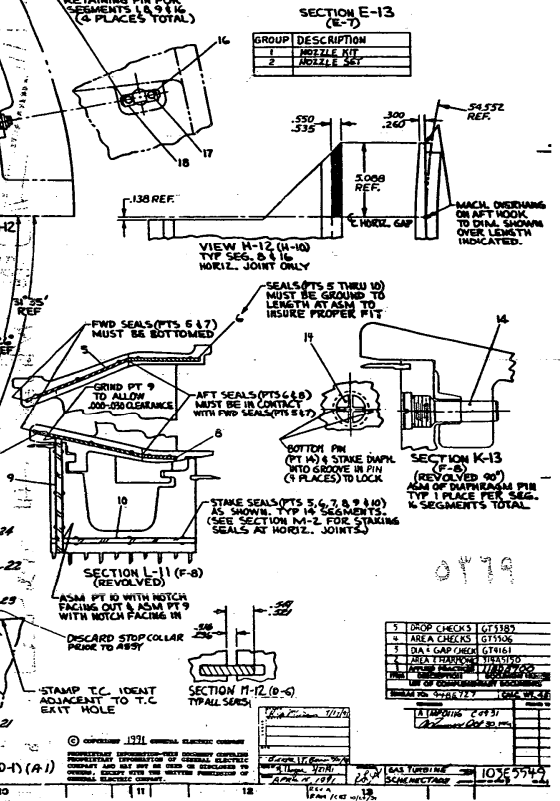
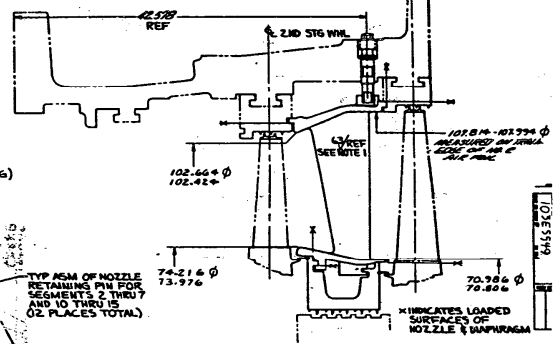
**AREAS**

**JOINTS: 1% OPENINGS (COLD)**  
 TIP CHECK ON 108.84 DIA. THROAT: 2.178 PITCH: 5.273  
 PITCH CHECK ON 93.400 DIA. THROAT: 5.571 PITCH: 4.989  
 ROOT CHECK ON 73.272 DIA. THROAT: 4.090 PITCH: 3.659  
 COLD CALCULATED EXIT CHECKING AREA: 166.822 IN<sup>2</sup>

**SEGMENTS: 1% OPENINGS (COLD)**  
 TIP CHECK ON 109.84 DIA. THROAT: 2.102 PITCH: 5.199  
 PITCH CHECK ON 88.716 DIA. THROAT: 4.527 PITCH: 4.939  
 ROOT CHECK ON 72.188 DIA. THROAT: 4.094 PITCH: 3.561  
 COLD CALCULATED EXIT CHECKING AREA: 160.261 IN<sup>2</sup>

**AERODYNAMIC DESIGN: TOTAL AREA (HOT) = 1894.36 IN<sup>2</sup>**  
**ACTUAL AREA (COLD) = 1664.73 IN<sup>2</sup>**  
**CALCULATED DESIGN AREA (HOT) = 1883.51 IN<sup>2</sup>**  
**COLD CALCULATED AREA (HOT) = 1822.04 IN<sup>2</sup>**  
**COLD CALCULATED AREA USES TIP CHECK & ROOT CHECK SECT.**  
**MFG. CHECK AREA: 1833.52 IN<sup>2</sup> = 21% COLD CALC. NOM.**

**NOTES:**  
 1. SEE ZONE (A-3)



NO.	DESCRIPTION	QTY.
1	GROUP CHECKS (OF 1506)	
2	AREA CHECKS (OF 1506)	
3	DIA. GAP CHECK (OF 1506)	
4	SEALED THROUGH THREDS	
5	STAKE ALL ASSEMBLED (TYP 4 PLACES)	
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