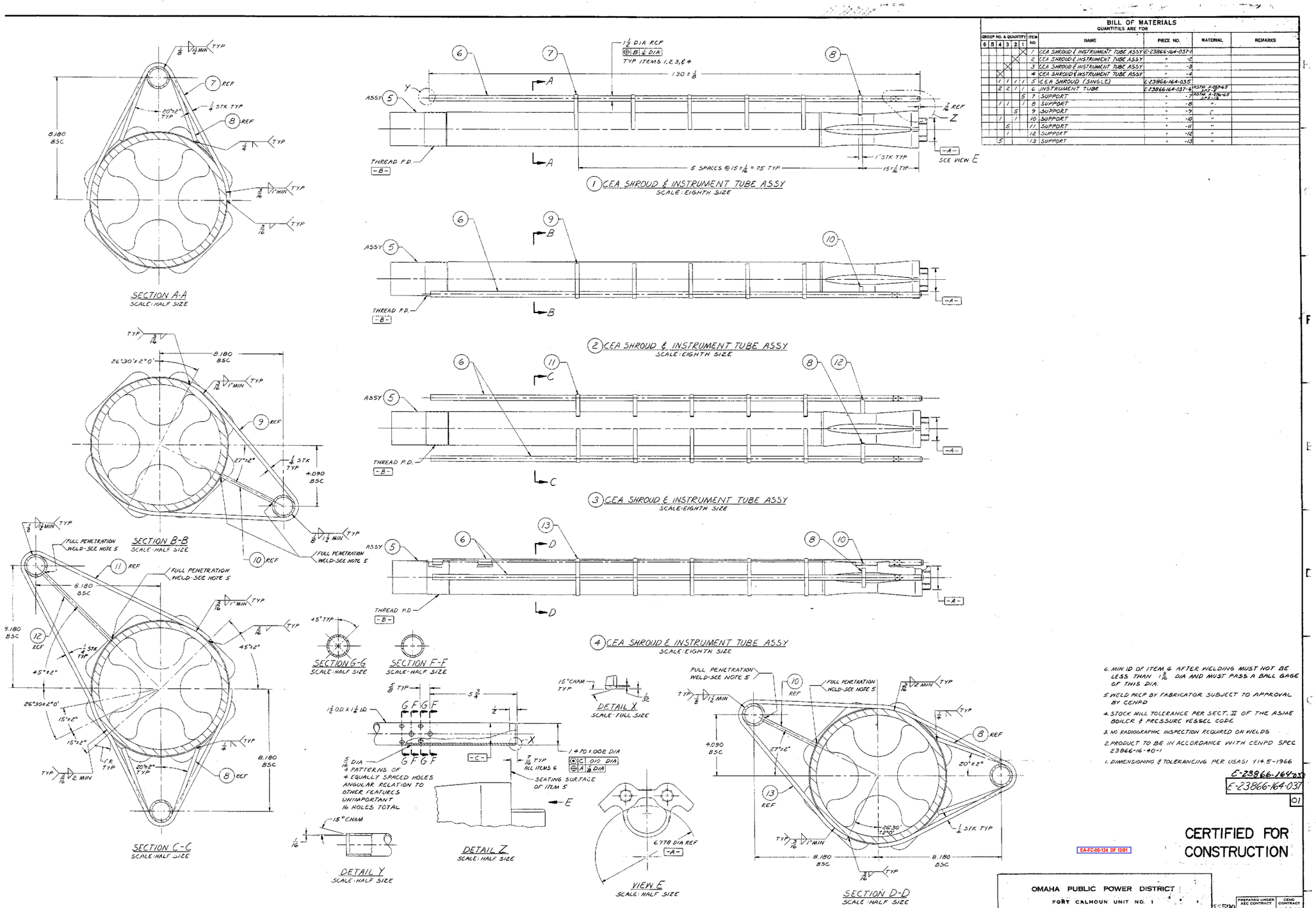

BILL OF MATERIALS

QUANTITIES ARE FOR

GROUP NO. & QUANTITY 6	5	4	3	2	1	ITEM NO.	NAME	PIECE NO.	MATERIAL	REMARKS
					X	1	CEA SHROUD & INSTRUMENT TUBE ASSY	E-23866-164-037-1		
				X		2	CEA SHROUD & INSTRUMENT TUBE ASSY	" -2		
			X			3	CEA SHROUD & INSTRUMENT TUBE ASSY	" -3		
		X				4	CEA SHROUD & INSTRUMENT TUBE ASSY	" -4		
		1	1	1	1	5	CEA SHROUD (SINGLE)	E-23866-164-035		
		2	2	1	1	6	INSTRUMENT TUBE	E-23866-164-037-6	ASTM A-213-65 GR. 2	
					5	7	SUPPORT	" -7	ASTM A-276-65 GR. 316	
		1	1		1	8	SUPPORT	" -8	"	
				5		9	SUPPORT	" -9	"	
		1		1		10	SUPPORT	" -10	"	
			5			11	SUPPORT	" -11	"	
			1			12	SUPPORT	" -12	"	
		5				13	SUPPORT	" -13	"	

6. MIN ID OF ITEM 6 AFTER WELDING MUST NOT BE LESS THAN 1 5/16 DIA AND MUST PASS A BALL GAGE OF THIS DIA.
5. WELD PREP BY FABRICATOR SUBJECT TO APPROVAL BY CENPD
4. STOCK MILL TOLERANCE PER SECT. II OF THE ASME BOILER & PRESSURE VESSEL CODE
3. NO RADIOGRAPHIC INSPECTION REQUIRED ON WELDS
2. PRODUCT TO BE IN ACCORDANCE WITH CENPD SPEC 23866-16-40-1
1. DIMENSIONING & TOLERANCING PER USASI Y14.5-1966

E-23866-164-035
E-23866-164-037
01

CERTIFIED FOR CONSTRUCTION

EA-FC-08-134 DF 12/01

ALL ITEMS DEPICTED ON THIS DRAWING ARE WITHIN LICENSE RENEWAL SCOPE.

NOTE: THIS PRINT IS TO BE USED FOR THE FCS LICENSE RENEWAL PROJECT ONLY. IT MAY NOT REFLECT THE MOST CURRENT REVISION OF THIS DRAWING.

REV.	DESCRIPTION	BY & DATE	CHK. & DATE	ENG. APPD.
01	[illegible] PER REV. REQ. 23866-261	PJM 2-14-78	PJM 2-14-78	[illegible]

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN UNIT NO. 1

11520

PREPARED UNDER AEC CONTRACT	
CENP CONTRACT	23866
DRAWN BY	P. SIVARD 10-19-68
CHECKED	[illegible] 1-24-69
APPROVALS	[illegible] 1-27-69
CEO	[illegible] 2-5-69
[illegible]	[illegible] 2-7-69
[illegible]	2-17-69

TOLERANCES UNLESS OTHERWISE SPECIFIED

DIMENSIONS	UNDER 6	6-18	OVER 18
DECIMAL DIMS.	±.005	±.005	±.010
FRACTIONAL DIMS.	±1/64	±1/32	±1/16
FINISH (√)-AA-125 MICRO IN.		ANGLES ±1/2°	
THREADS-UNIFIED CL-3A-2B		CHAMFER ±.5°	
BREAK CORNERS-1/64 MAX. RAD. OR CHAMFER			
FILLETS-1/64 TO 1/32 RADIUS			
DIMENSION IN INCHES BASED ON 68°F (20°C)			

NEXT ASSY: E-23866-164-031
FINAL ASSY:
SUPERSEDES:
SUPERSEDED:
DO NOT SCALE DWG. CALC. WT.:
SCALE: EIGHTH ACT. WT.:

THIS DRAWING IS THE PROPERTY OF COMBUSTION ENGINEERING, INC. NUCLEAR WINDSOR, CONNECTICUT AND IS NOT TO BE REPRODUCED, OR USED TO FURNISH ANY INFORMATION FOR MAKING OF DRAWINGS OR APPARATUS EXCEPT WHERE PROVIDED FOR BY AGREEMENT WITH SAID COMPANY.

INSTRUMENTATION GUIDE SLEEVE ASSY

E-23866-164-037 | 01
SHEET OF REV.

FOR INFORMATION ONLY