

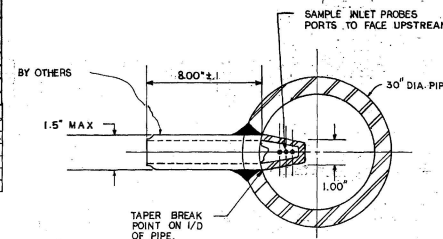
Enclosure 15

LEFM Flow Meter Installation Location Drawings

S/U: ADA & AEC

[illegible]

APPROVAL									
REV.	THERMAL ANALYSIS				SEISMIC ANALYSIS				
	BY	DATE	CHECKED	DATE	BY	DATE	CHECKED	DATE	
12	AS	10/25/03	AS	10/25/03					
13	AS	11/10/03	AS	11/10/03					
14	AS	5/11/04	AS	5/11/04					
15	AS	5/11/04	AS	5/11/04					
16	AS	10/25/03	AS	10/25/03					
17	AS	5/11/04	AS	5/11/04	AS	10/25/03	AS	10/25/03	



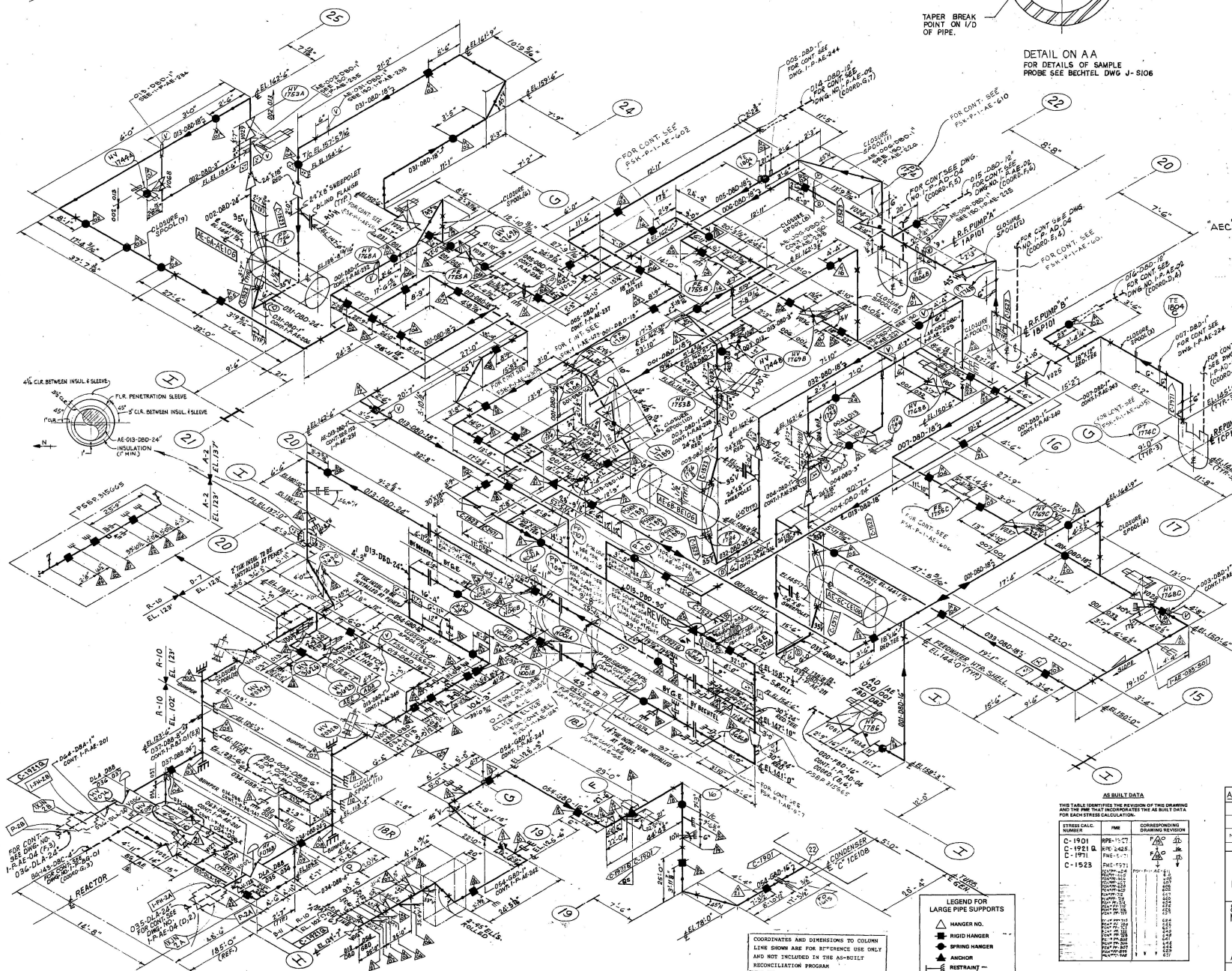
DETAIL ON A A
FOR DETAILS OF SAMPLE
PROBE SEE BECHTEL DWG J-SIO

GROSS LIN. FT.		2165'		2165'	
APPROVAL					
THERMAL ANALYSIS		SEISMIC ANALYSIS			
BY	DATE	CHECKED	DATE	BY	DATE
0	10/20/80	CP	10/20/80		
1	10/20/80	CP	10/20/80		
2	10/20/80	CP	10/20/80		
3	10/20/80	CP	10/20/80		
4	10/20/80	CP	10/20/80		
5	10/20/80	CP	10/20/80		
6	10/20/80	CP	10/20/80		
7	10/20/80	CP	10/20/80		
8	10/20/80	CP	10/20/80		
9	10/20/80	CP	10/20/80		
10	10/20/80	CP	10/20/80		
P. & I. D.					
M-05-1, SHT 3 OF 3, M-44-1, M-45-1		M-06-1, M-41-1, SHT 1 OF 2			
AREA DWG.					
P-0905-1		P-1205-1		P-1004-1	
P-1005-1		P-1403-1		P-1412-1	
P-1021-1		P-1404-1			
P-1105-1		P-3204-0			
P-1121-1		P-7204-0			
FAB. ISS.					
1-P-AE-008, 9, 10, 11, 12		1-P-AE-013, 14, 15, 17, 18			
LINE NOS. & CLASS					
1-AE-001-DBD		1-AE-033-DBD			
1-AE-002-DBD		1-AE-034-DBB			
1-AE-003-DBD		1-AE-035-DLA			
1-AE-004-DBD		1-AE-036-DLA			
1-AE-005-DBD		1-AE-037-DBD			
1-AE-006-DBD		1-AE-054-DBD			
1-AE-007-DBD					
1-AE-013-DBD					
1-AE-011-DBD					
1-AE-032-DBD					

GENERAL NOTES

1. FIELD WELD INDICATED BY 
2. IF BENDS INDICATED "B" ARE 5 DIAMETER RADIUS
3. REFER TO SPECIFICATION P-205 APPEND B FOR ERECTION REQUIREMENTS.
4. FOR FIELD FIT-UP, STRAIGHT CLOSURE PIECES SHALL BE PROVIDED WITH AN ADDITIONAL 4" PLAIN END, AT BOTH ENDS AND ONE END IF OTHER THAN STRAIGHT CLOSURE PIECES SHALL BE PROVIDED WITH AN ADDITIONAL 4" LENGTH PLAIN END, AT BOTH ENDS.
5. FOR 3/8" & 1/2" WGS. SEE FAB. ISS. AS WITH ABOVE.
6.  DOUBLET STRESS CALC. WITH BOUNDARIES
7.  DENOTES G/US GUSSET CALC. WITH BOUNDARIES

REVISION NOTES



AS-BUILT

AS BUILT DATA

THIS TABLE IDENTIFIES THE REVISION OF THE AS BUILT AND THE PINE THAT INDICATES THE AS BUILT DRAWING FOR EACH STRESS CALCULATION.

STRESS CALC. NUMBER	PINE	CORRESPONDING DRAWING REVISION
C-1901	RPE-15-CT	
C-1921 & C-1971	RPE-2-AG-ES FNG-5-10-1	
C-1523	PNC-5-21	
	PCW-11-1	6.0
	PCW-11-2	8.0
	PCW-11-3	8.0
	PCW-11-4	8.0
	PCW-11-5	8.0
	PCW-11-6	8.0
	PCW-11-7	8.0
	PCW-11-8	8.0
	PCW-11-9	8.0
	PCW-11-10	8.0
	PCW-11-11	8.0
	PCW-11-12	8.0
	PCW-11-13	8.0
	PCW-11-14	8.0
	PCW-11-15	8.0
	PCW-11-16	8.0
	PCW-11-17	8.0
	PCW-11-18	8.0
	PCW-11-19	8.0
	PCW-11-20	8.0
	PCW-11-21	8.0
	PCW-11-22	8.0
	PCW-11-23	8.0
	PCW-11-24	8.0
	PCW-11-25	8.0
	PCW-11-26	8.0
	PCW-11-27	8.0
	PCW-11-28	8.0
	PCW-11-29	8.0
	PCW-11-30	8.0
	PCW-11-31	8.0
	PCW-11-32	8.0
	PCW-11-33	8.0
	PCW-11-34	8.0
	PCW-11-35	8.0
	PCW-11-36	8.0
	PCW-11-37	8.0
	PCW-11-38	8.0
	PCW-11-39	8.0
	PCW-11-40	8.0
	PCW-11-41	8.0
	PCW-11-42	8.0
	PCW-11-43	8.0
	PCW-11-44	8.0
	PCW-11-45	8.0
	PCW-11-46	8.0
	PCW-11-47	8.0
	PCW-11-48	8.0
	PCW-11-49	8.0
	PCW-11-50	8.0
	PCW-11-51	8.0
	PCW-11-52	8.0
	PCW-11-53	8.0
	PCW-11-54	8.0
	PCW-11-55	8.0
	PCW-11-56	8.0
	PCW-11-57	8.0
	PCW-11-58	8.0
	PCW-11-59	8.0
	PCW-11-60	8.0
	PCW-11-61	8.0
	PCW-11-62	8.0
	PCW-11-63	8.0
	PCW-11-64	8.0
	PCW-11-65	8.0
	PCW-11-66	8.0
	PCW-11-67	8.0
	PCW-11-68	8.0
	PCW-11-69	8.0
	PCW-11-70	8.0
	PCW-11-71	8.0
	PCW-11-72	8.0
	PCW-11-73	8.0
	PCW-11-74	8.0
	PCW-11-75	8.0
	PCW-11-76	8.0
	PCW-11-77	8.0
	PCW-11-78	8.0
	PCW-11-79	8.0
	PCW-11-80	8.0
	PCW-11-81	8.0
	PCW-11-82	8.0
	PCW-11-83	8.0
	PCW-11-84	8.0
	PCW-11-85	8.0
	PCW-11-86	8.0
	PCW-11-87	8.0
	PCW-11-88	8.0
	PCW-11-89	8.0
	PCW-11-90	8.0
	PCW-11-91	8.0
	PCW-11-92	8.0
	PCW-11-93	8.0
	PCW-11-94	8.0
	PCW-11-95	8.0
	PCW-11-96	8.0
	PCW-11-97	8.0
	PCW-11-98	8.0
	PCW-11-99	8.0
	PCW-11-100	8.0

ATTENTION: ANY REVISION TO THIS DRAWING

ATTENTION* SHALL BE MADE ONLY BY CAED						
SEE NOTE " " ()						
NO	DESCRIPTION	DWN	PER REV	EXD	APD	DATE

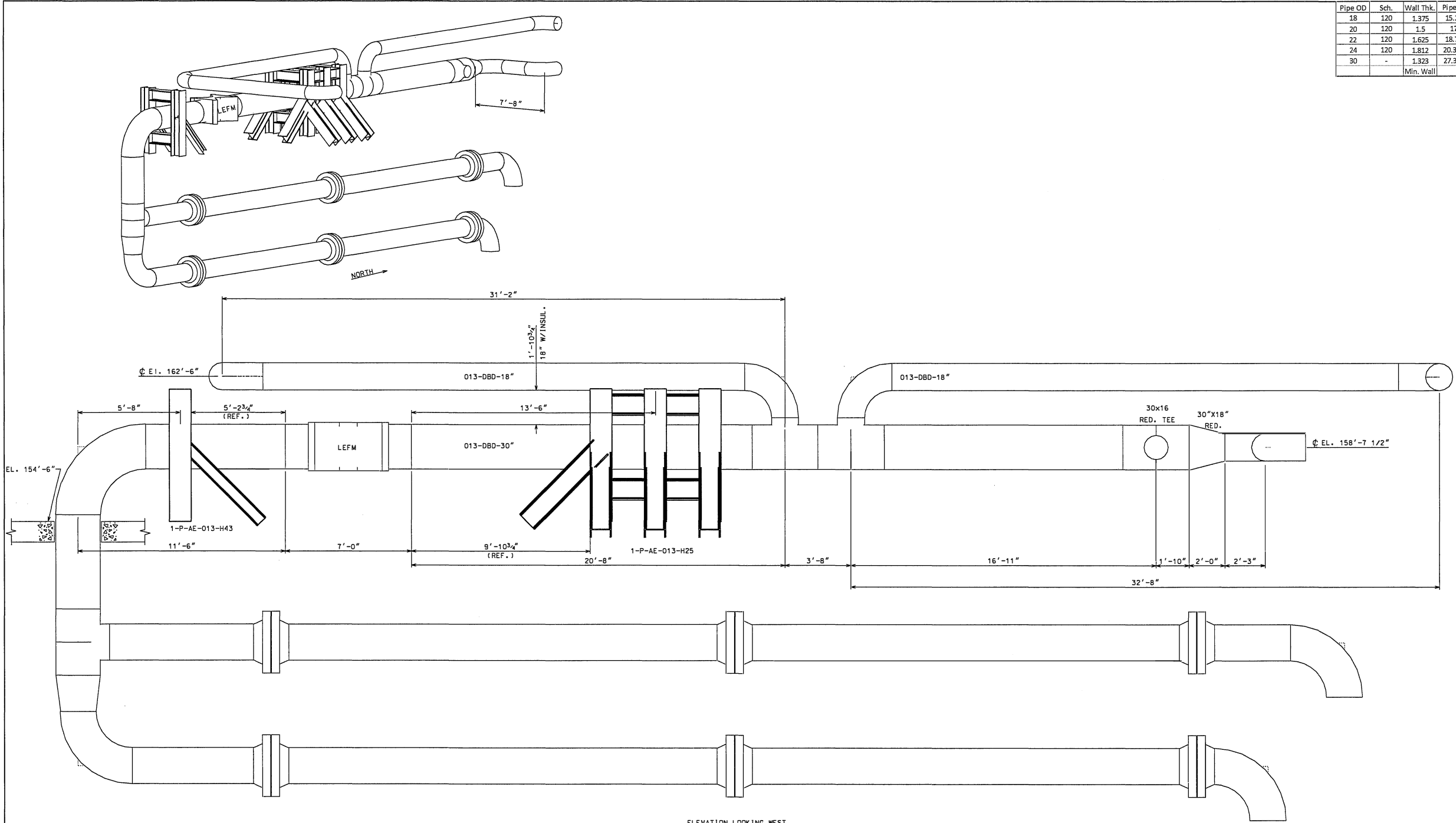
HOPE CREEK GENERATING STATION SYSTEM ISOMETRIC/TURBINE BUILDING FEEDWATER FROM REACTOR FEED PUMP TO DRYWELL

80116312R0	
M191R0	

ADD LEFT

1-P-AE-01 (Q)- 21

Pipe OD	Sch.	Wall Thk.	Pipe ID
18	120	1.375	15.25
20	120	1.5	17
22	120	1.625	18.75
24	120	1.812	20.376
30	-	1.323	27.354
Min. Wall			



ELEVATION LOOKING WEST

80116312R0
SUP02R0

LEFM LOCATION