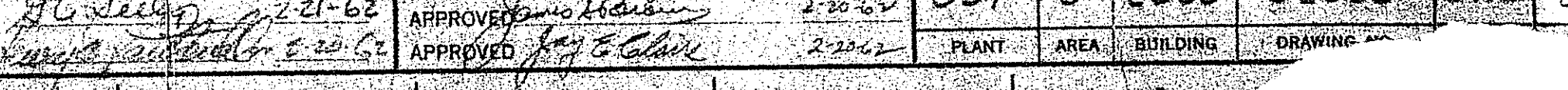
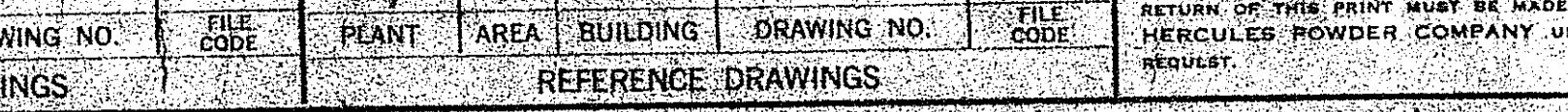
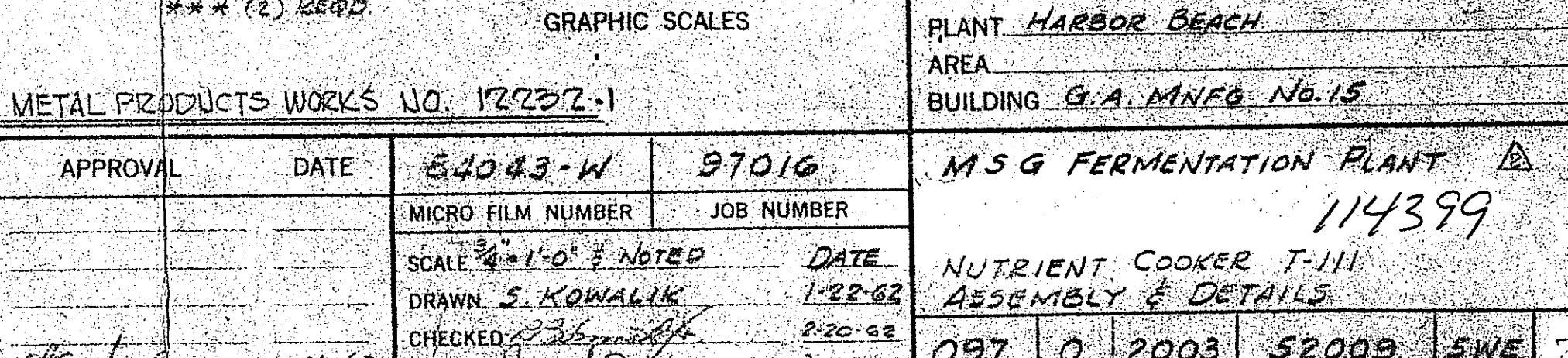
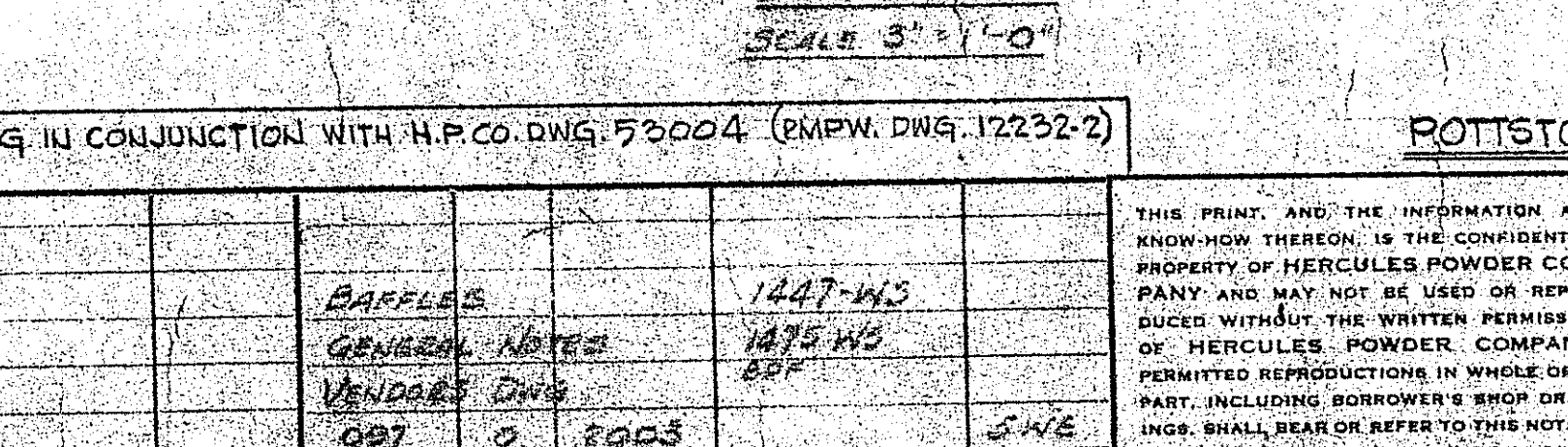
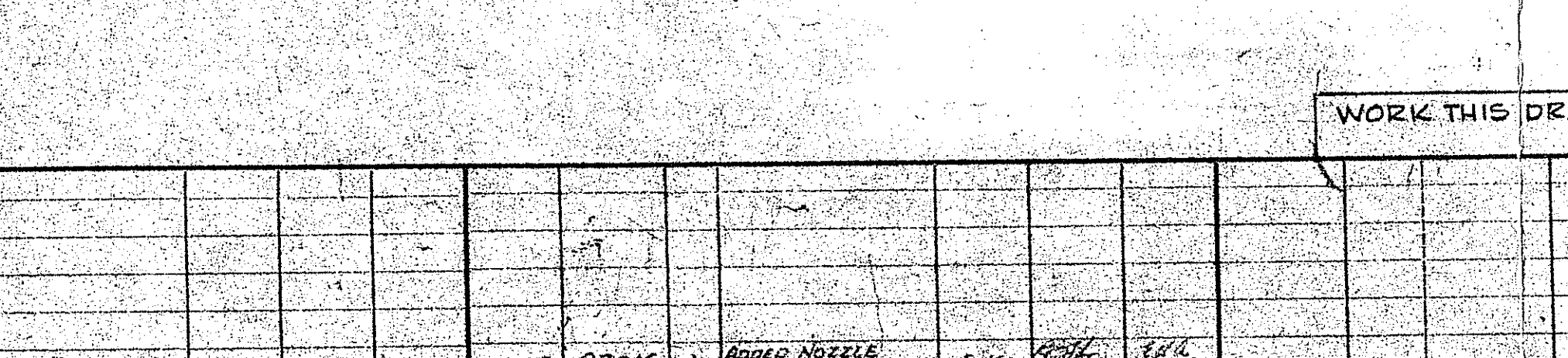
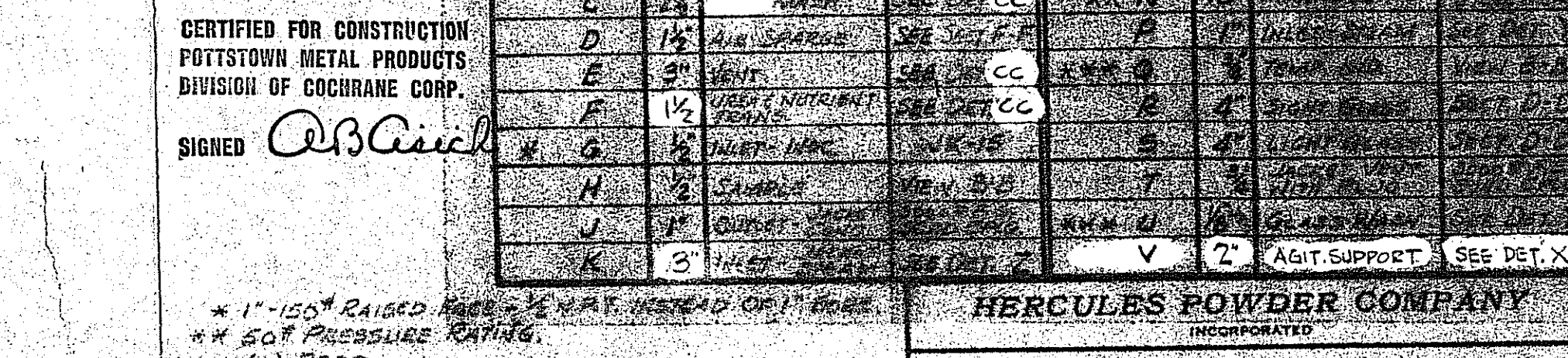
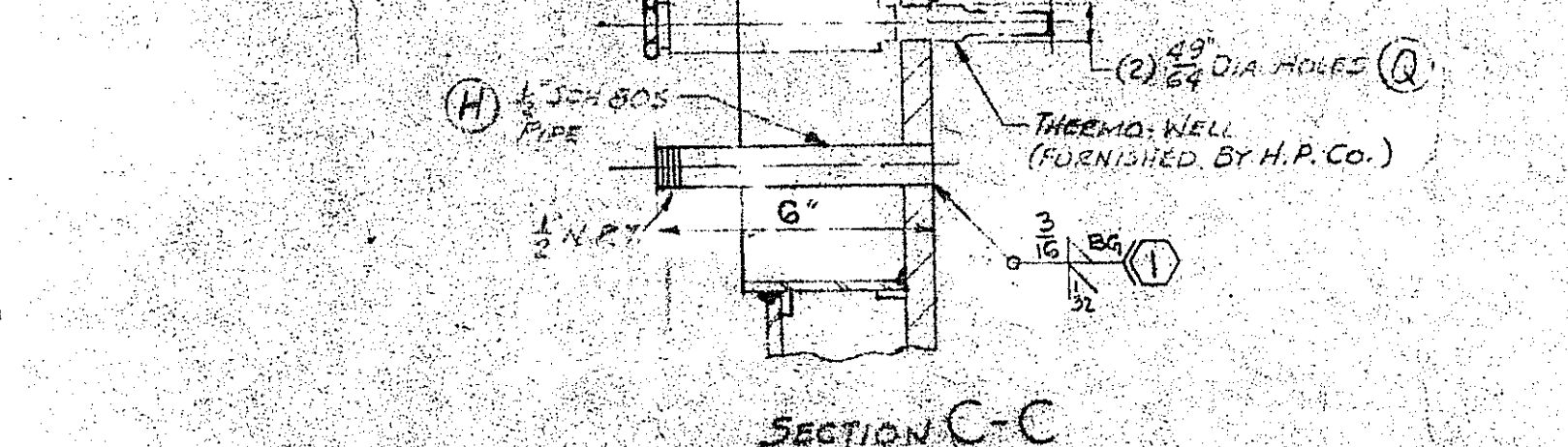
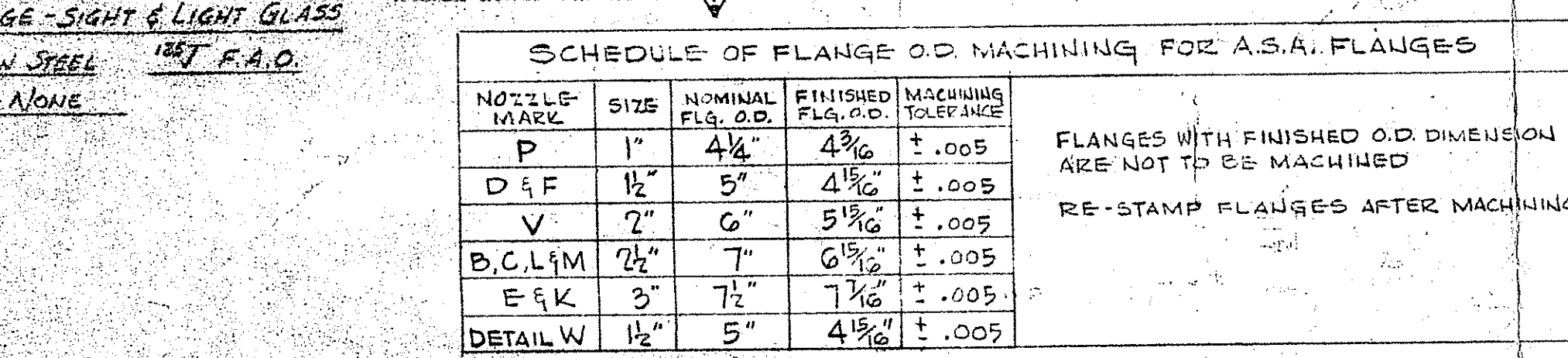
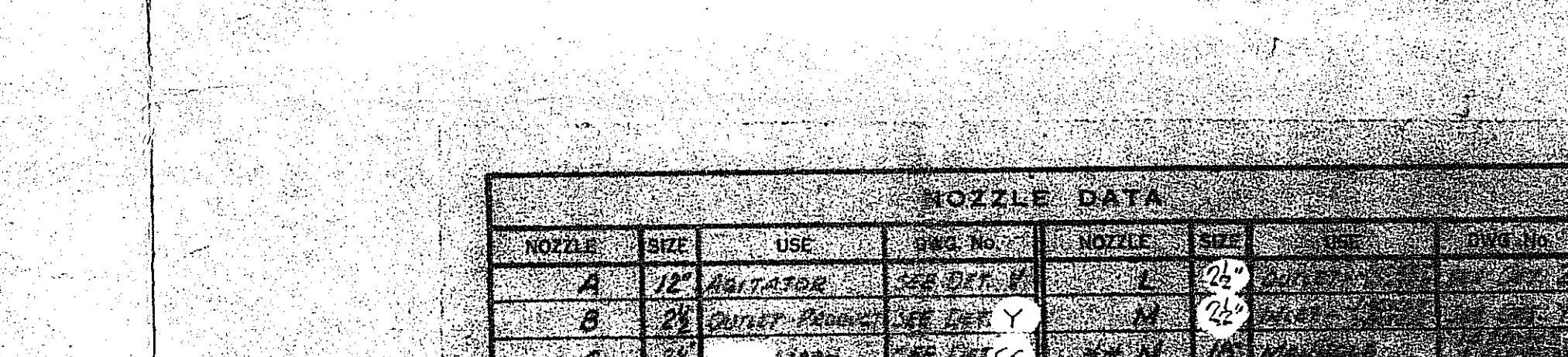
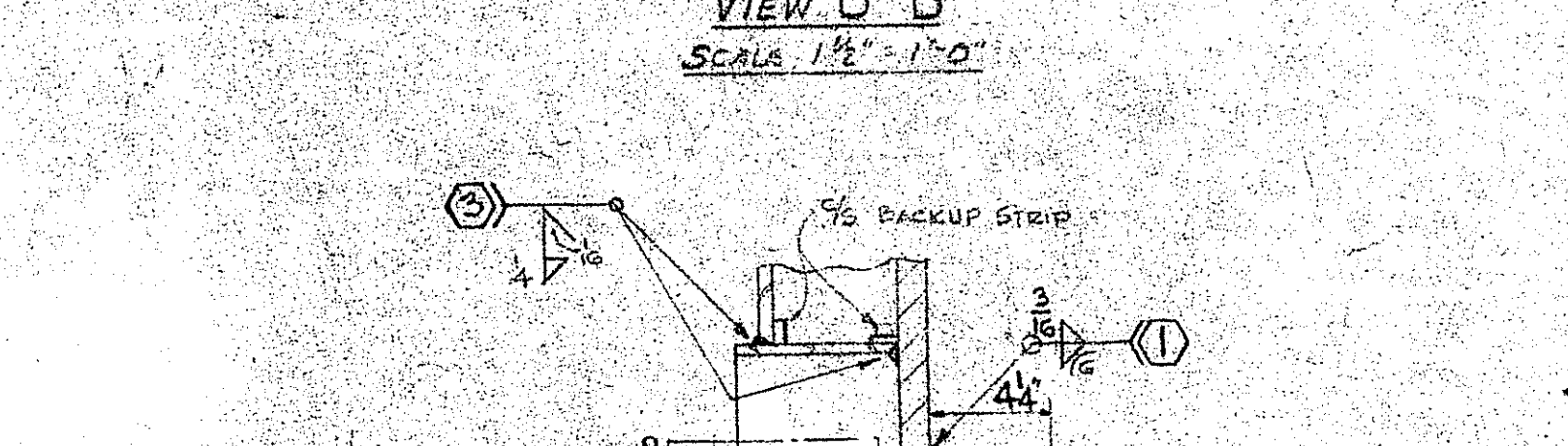
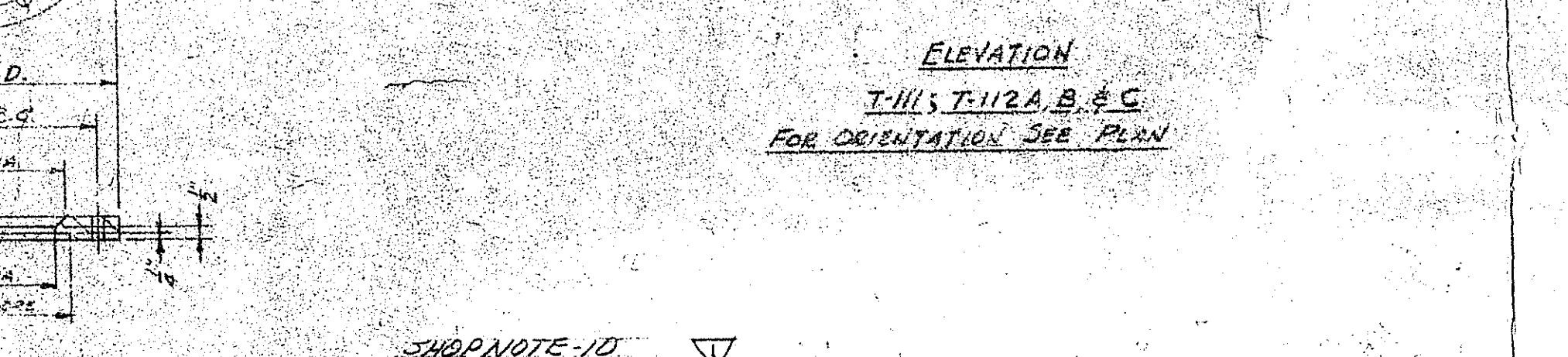
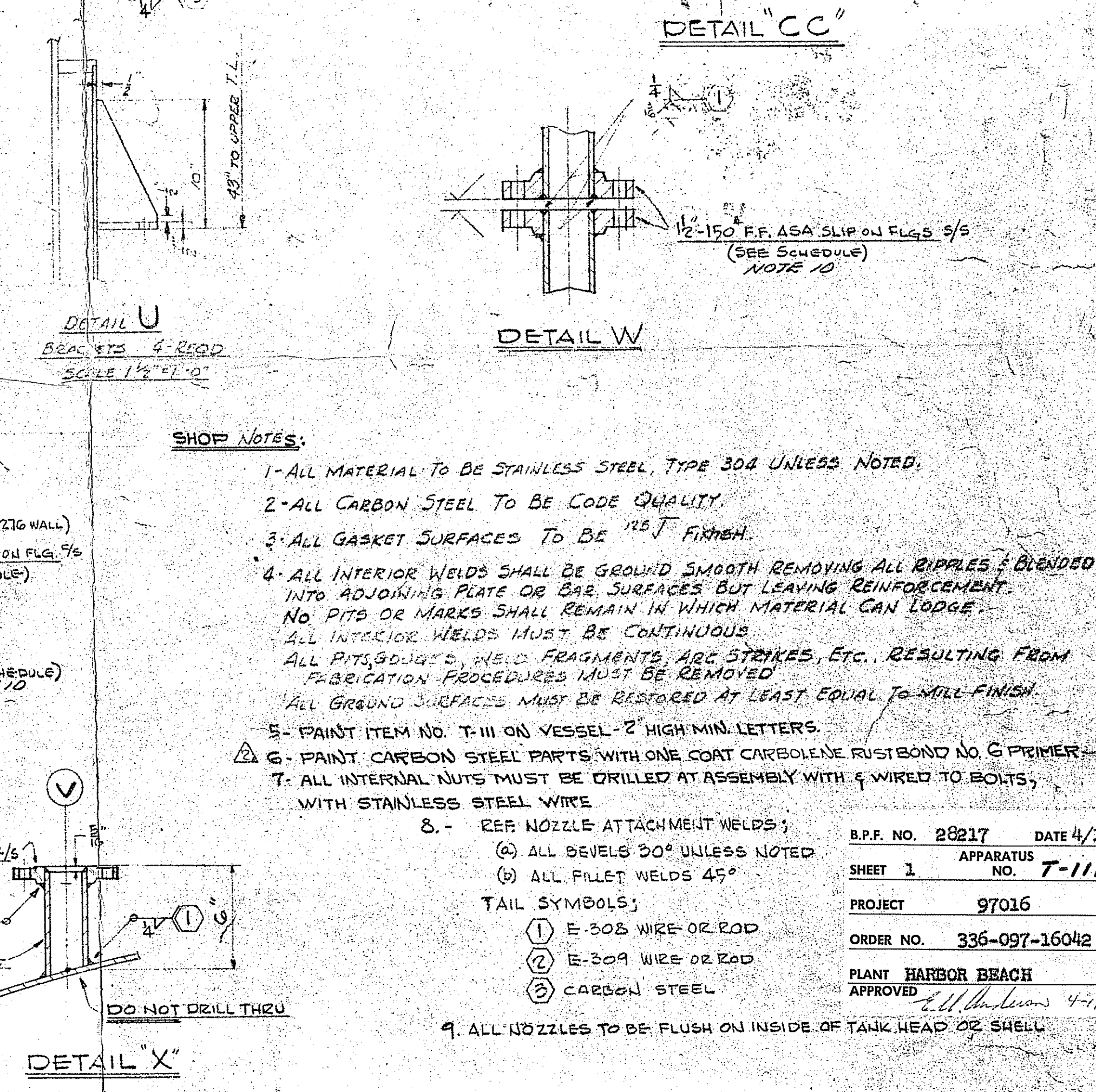
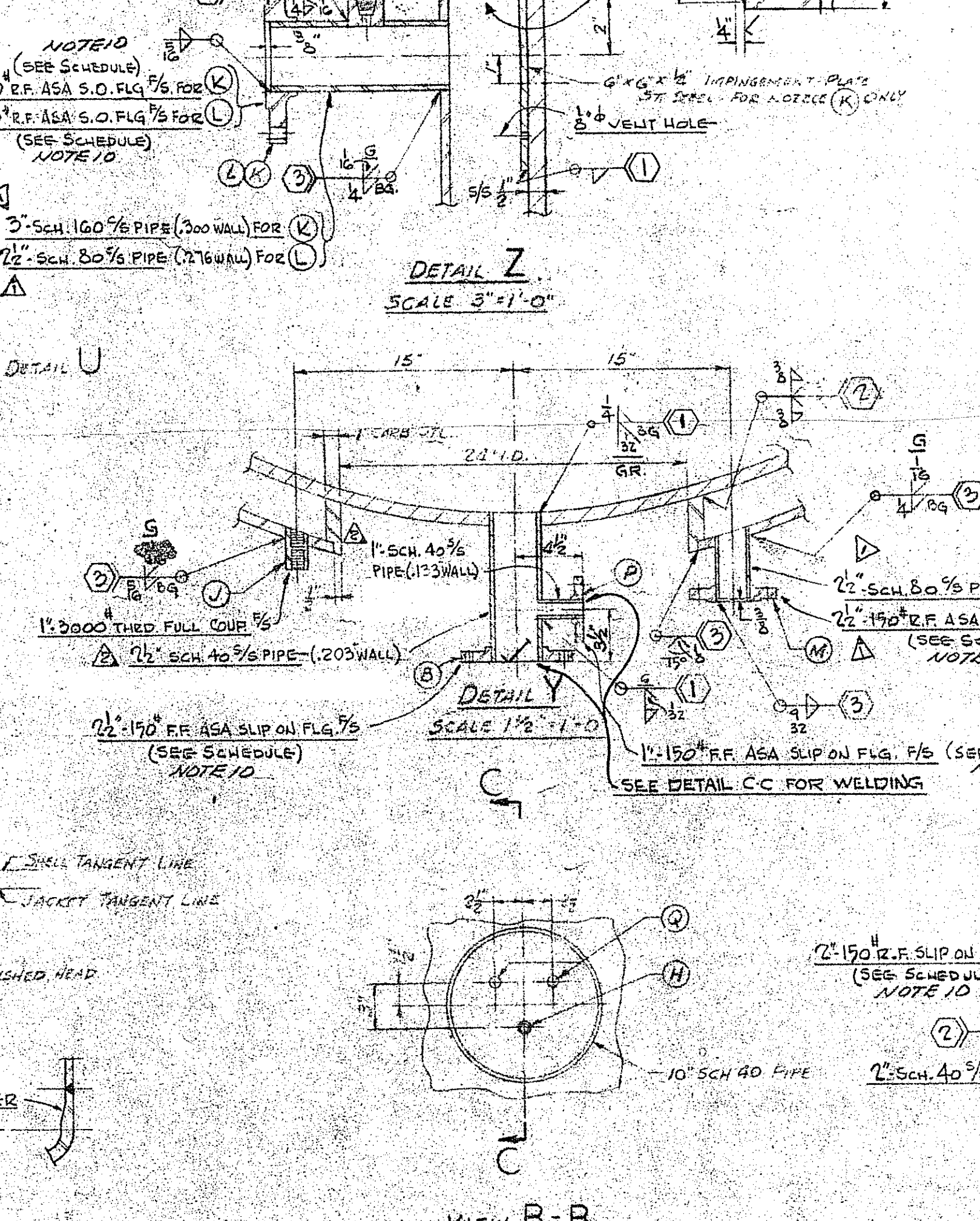
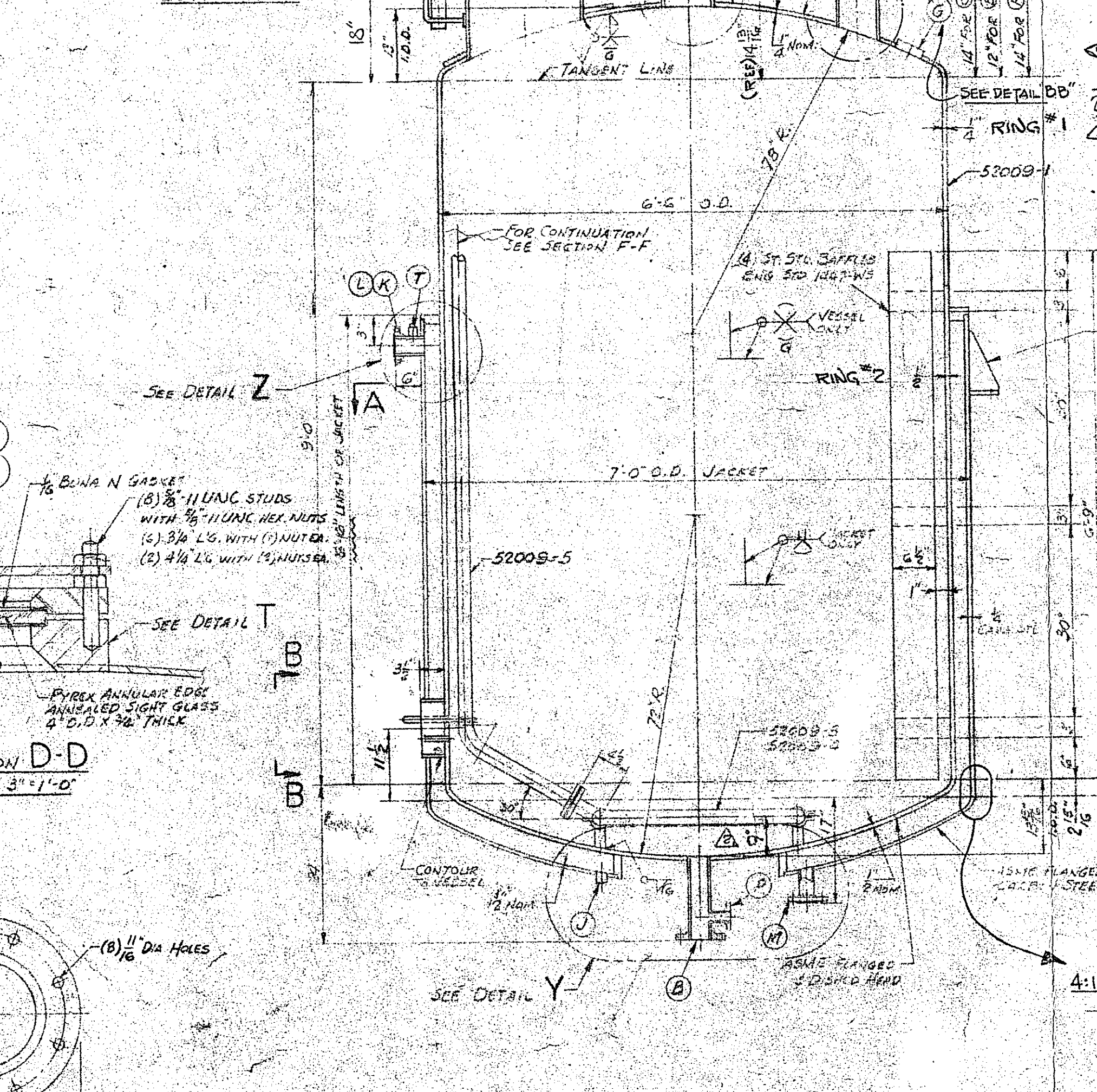
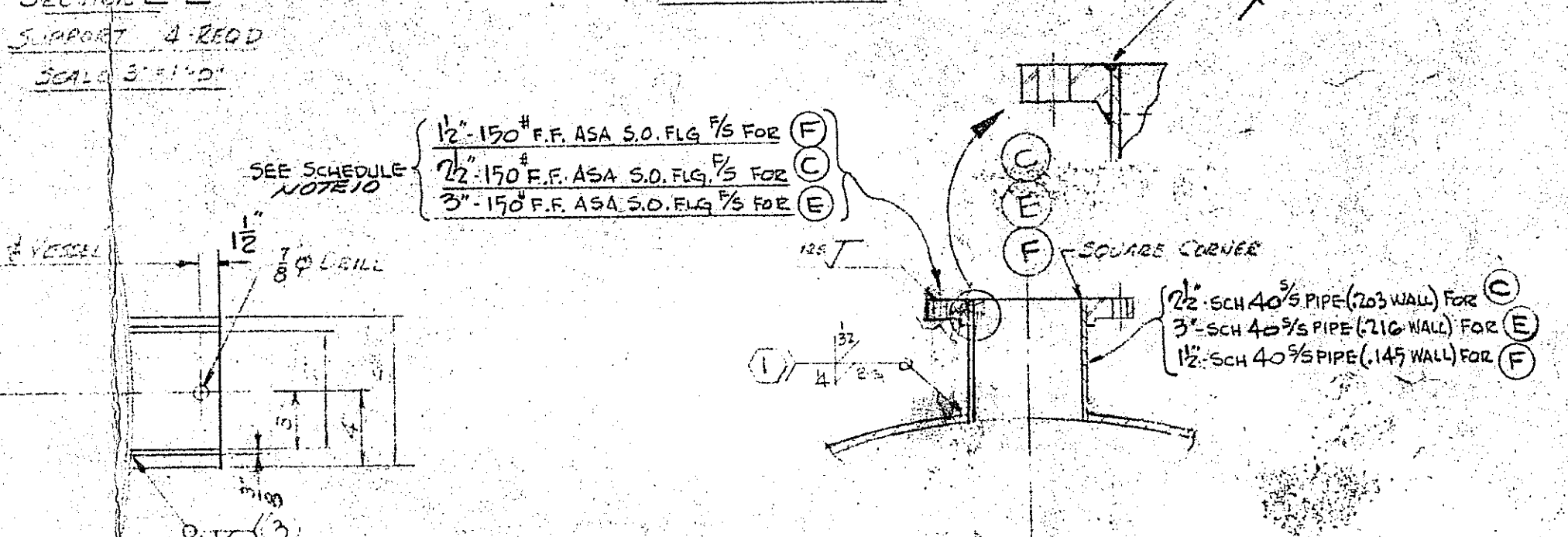
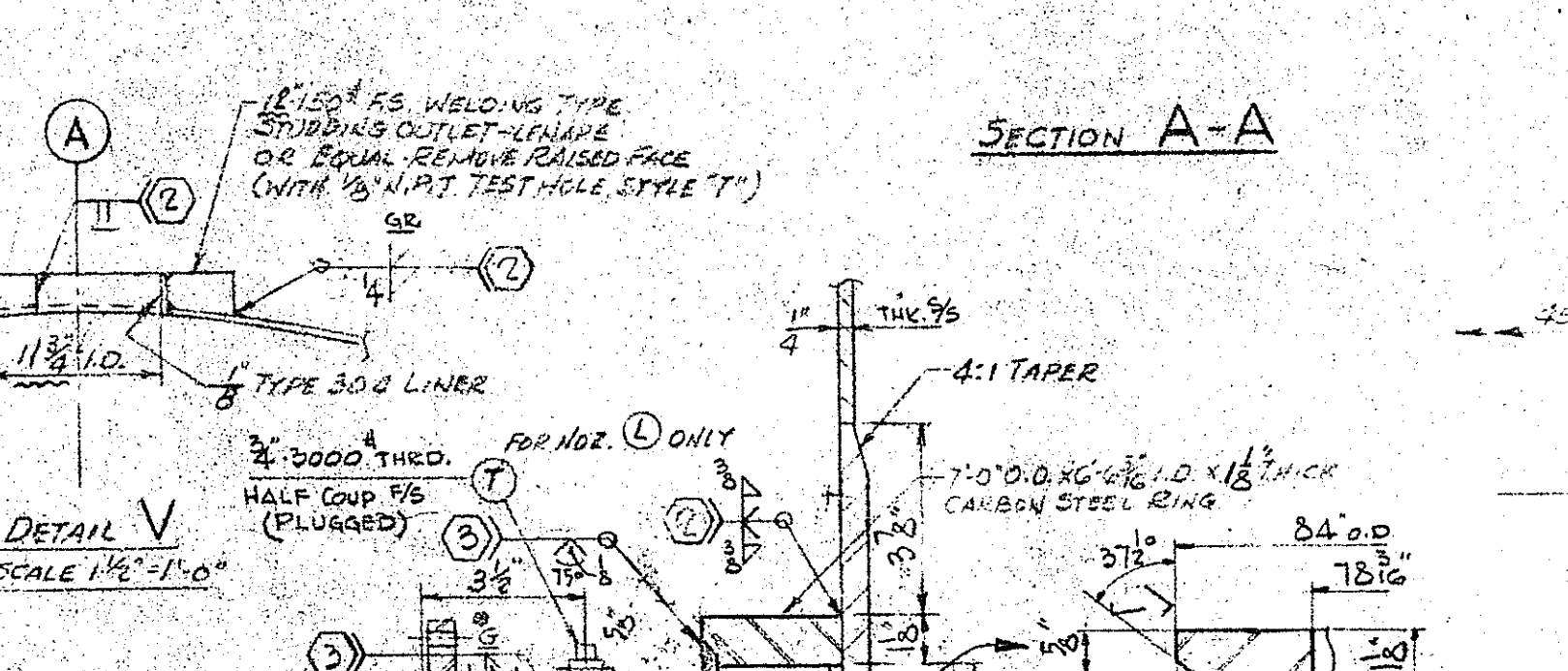
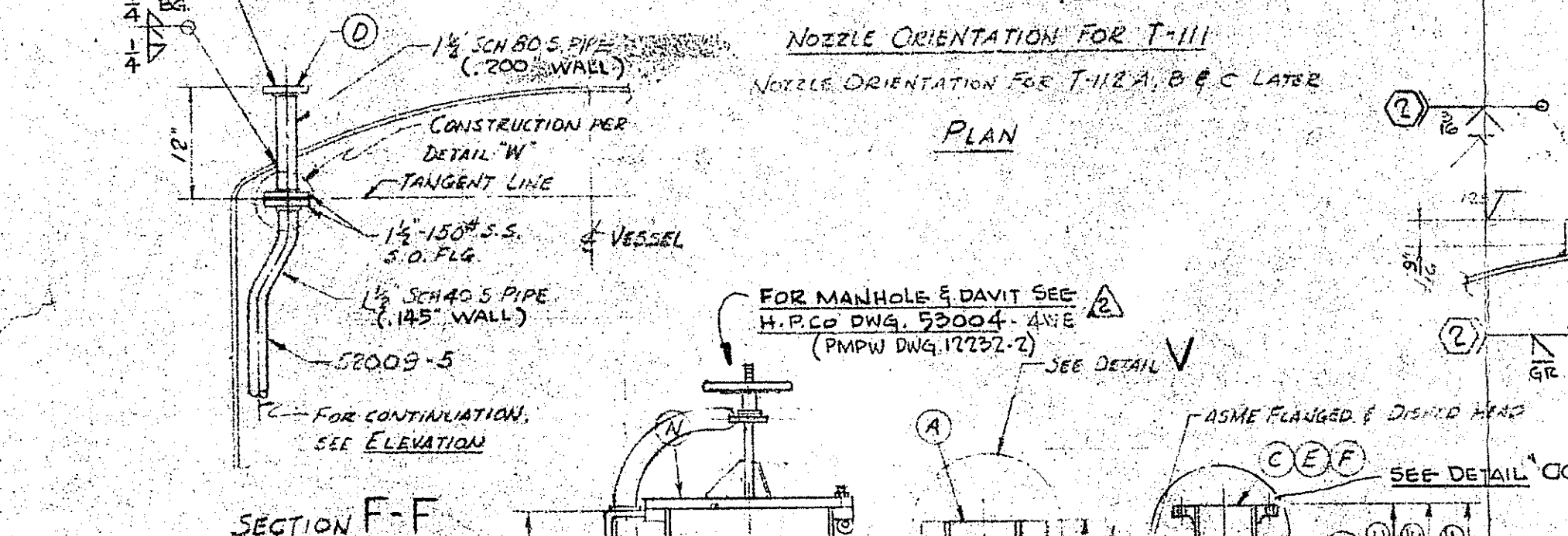
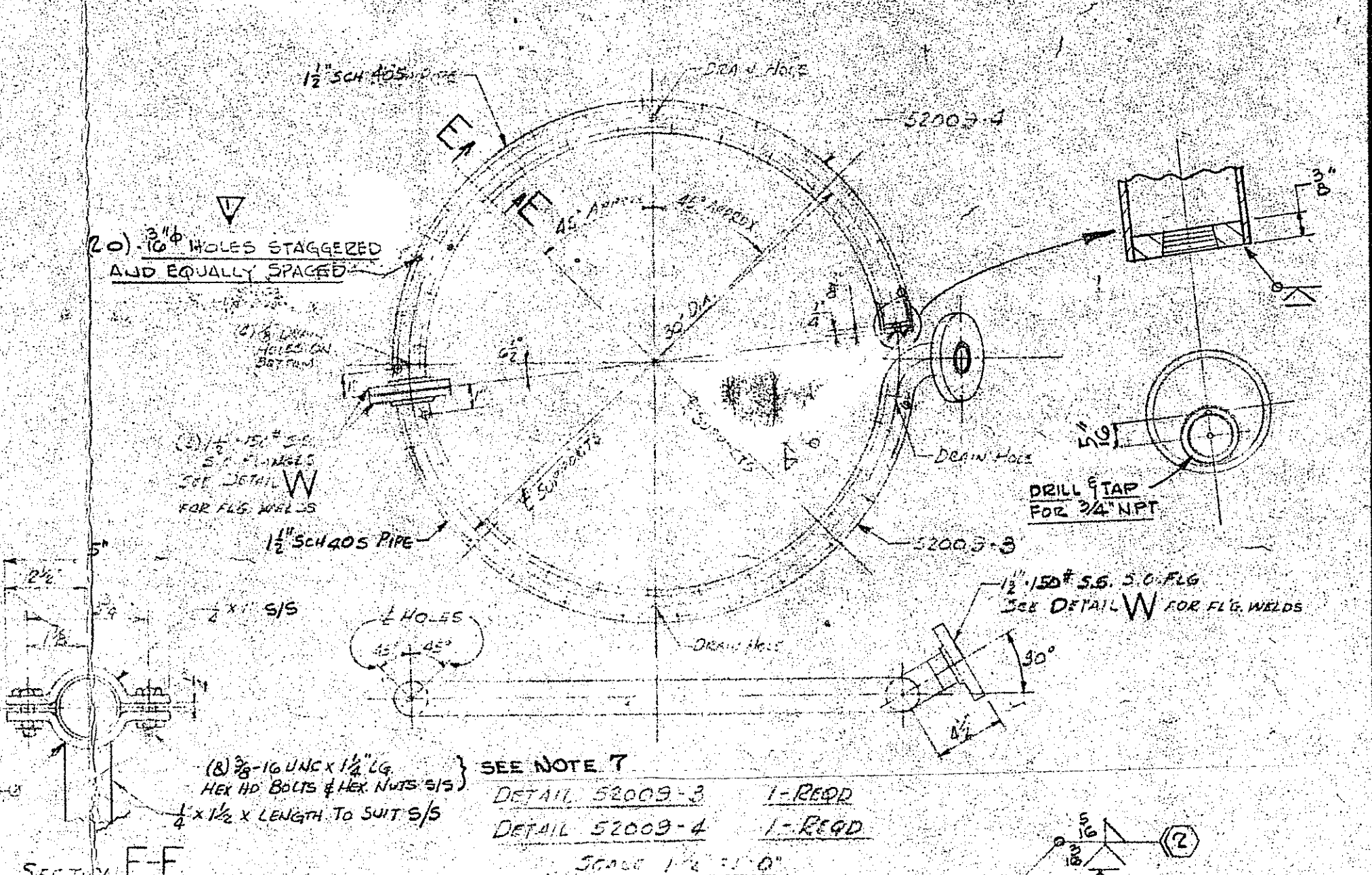
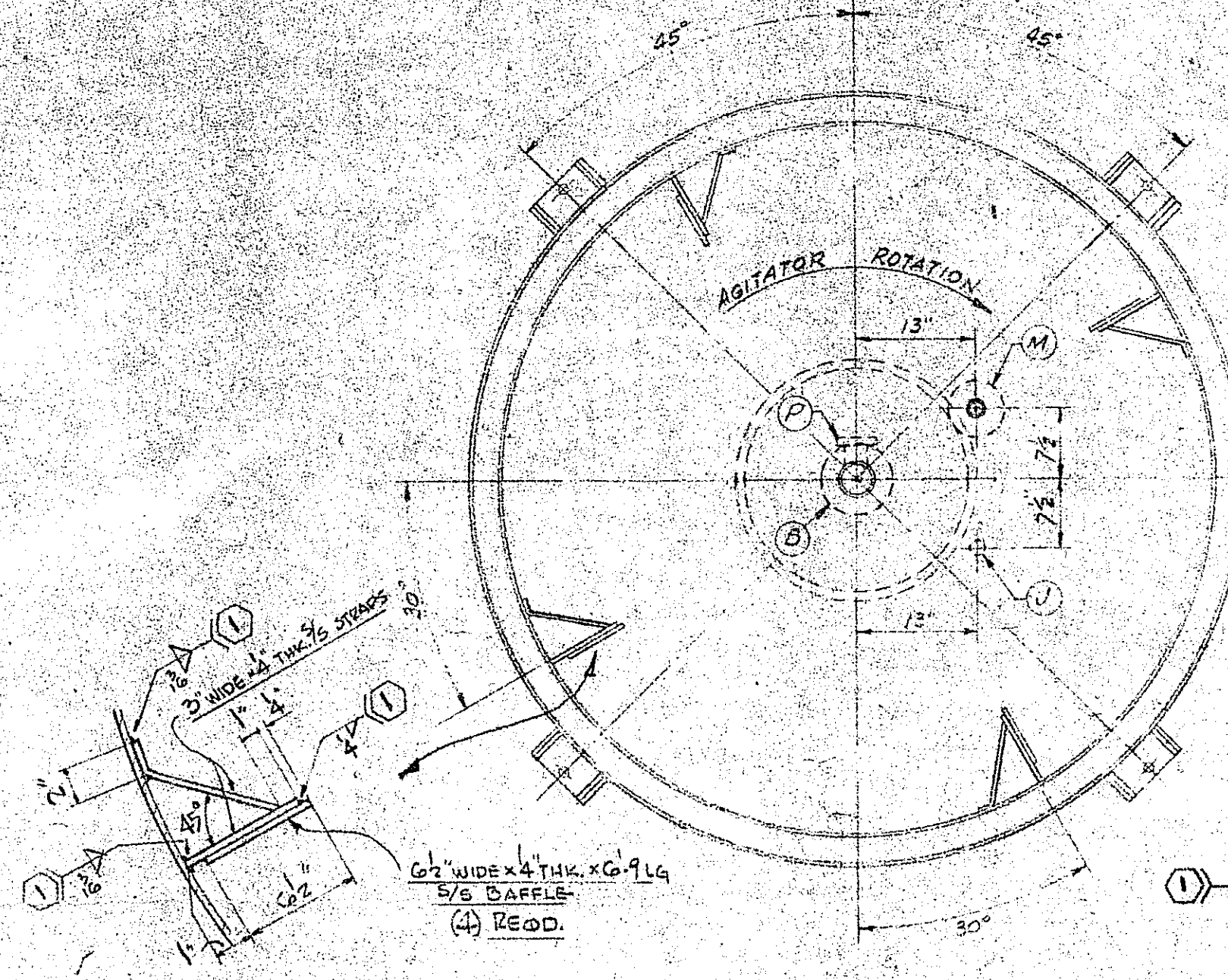
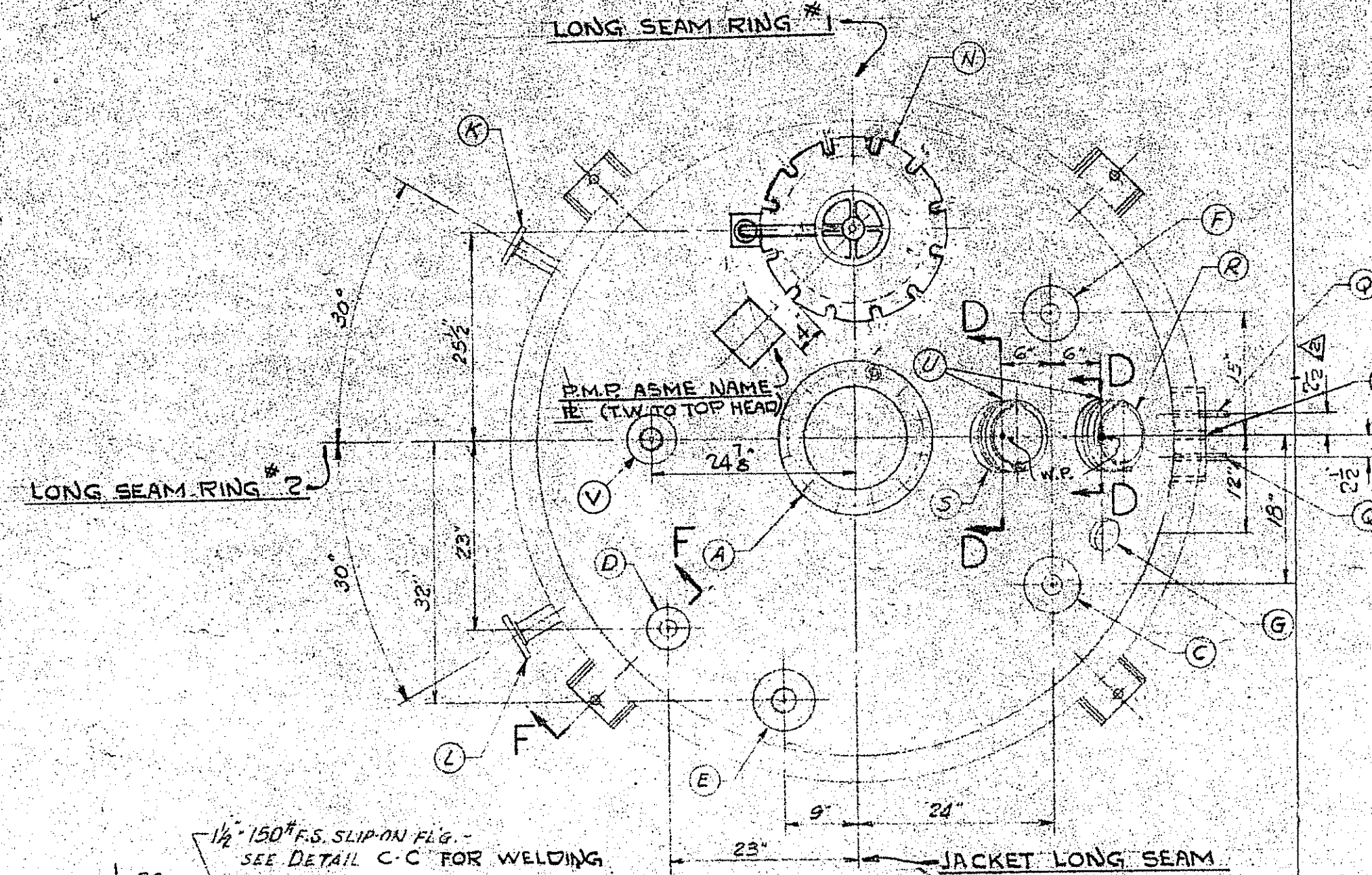


VESSEL SPECIFICATIONS			
1. NAME	1. HARBOR BEACH	2. EQUIP. NO.	2. T-111
3. AREA	3. NO.	4. NO. OF UNITS	4. ONE (1)
5. ORDER	5. NO.	6. B.F. NO.	6. 2003-4
7. PLANT	7. HARBOR BEACH	8. WT.	8. 5.9 LB. CO.
9. CAPACITY	9. 1000 GALS. DESIGN	10. TOTAL VOL.	10. 2000 GALS.
11. AGITATION	11. YES	12. HORIZONTAL	12. NO
13. USE	13. PREPARE	14. VERTICAL	14. YES
15. HEATER	15. YES	16. COIL	16. YES
17. PRESSURE	17. 100 PSI	18. COIL	18. YES
19. TEMPERATURE	19. 300 F.	20. COIL	20. YES
21. DESIGN	21. 300 F.	22. COIL	22. YES
23. OPERATING	23. 300 F.	24. COIL	24. YES
25. TEST/WORKING	25. 300 F.	26. COIL	26. YES
27. CORROSION ALLOWANCE	27. 1/8" ON SHELL	28. COIL	28. YES
29. CONSTRUCTION	29. 304 STAINLESS STEEL	30. COIL	30. YES
31. INSPECTION	31. YES	32. COIL	32. YES
33. MATERIAL	33. 304 STAINLESS STEEL	34. COIL	34. YES
35. TREATMENT	35. NONE	36. COIL	36. YES
37. PASSIVATION	37. YES	38. COIL	38. YES
39. CLEANING	39. YES	40. COIL	40. YES
41. WEIGHTS	41. 1000 LBS.	42. COIL	42. YES
43. FILLED WITH	43. WATER	44. COIL	44. YES
45. TOTAL MAXIMUM LOAD	45. 3000 LBS.	46. COIL	46. YES
47. MATERIAL	47. 304 STAINLESS STEEL	48. COIL	48. YES
49. DIAMETER	49. 7'-0"	50. COIL	50. YES
51. SEAMS	51. WELDED	52. COIL	52. YES
53. JOINT TYPE	53. BUTT	54. COIL	54. YES
55. EFFICIENCY	55. 85%	56. COIL	56. YES
57. MATERIAL	57. 304 STAINLESS STEEL	58. COIL	58. YES
59. TYPE	59. PLAIN	60. COIL	60. YES
61. THICKNESS	61. 1/2"	62. COIL	62. YES
63. NOZZLES	63. 1/2"	64. COIL	64. YES
65. GASKETS	65. YES	66. COIL	66. YES
67. JACKETS	67. YES	68. COIL	68. YES
69. MATERIAL	69. 304 STAINLESS STEEL	70. COIL	70. YES
71. TYPE	71. PLAIN	72. COIL	72. YES
73. THICKNESS	73. 1/2"	74. COIL	74. YES
75. BOILERS	75. YES	76. COIL	76. YES
77. SUPPORT	77. YES	78. COIL	78. YES
79. BOILERS	79. YES	80. COIL	80. YES
81. INSULATION	81. YES	82. COIL	82. YES
83. THICKNESS	83. 1/2"	84. COIL	84. YES



SHOP NOTES:

- 1- ALL MATERIAL TO BE STAINLESS STEEL TYPE 304 UNLESS NOTED.
- 2- ALL CARBON STEEL TO BE CODE QUALITY.
- 3- ALL GASKET SURFACES TO BE 100% FINISH.
- 4- ALL INTERIOR WELDS SHALL BE GROUND SMOOTH REMOVING ALL RIPPLES & BLENDING INTO ADJOINING PLATE OR CHAIR SURFACES. BUT LEAVING REINFORCEMENT. NO PITS OR MARKS SHALL REMAIN IN WHICH MATERIAL CAN LODGE. ALL INTERIOR WELDS MUST BE CONTINUOUS. ALL PITTING, WELD CRACKS, ETC. RESULTING FROM FABRICATION PROCEDURES MUST BE REMOVED. ALL GROUND SURFACES MUST BE REFINISHED AT LEAST EQUAL TO WELD FINISH.
- 5- PAINT ITEM NO. T-111 ON VESSEL - 2" HIGH MIN. LETTERS.
- 6- PAINT CARBON STEEL PARTS WITH ONE COAT CARBOLINE RUST-BOND NO. 6 PRIMER.
- 7- ALL INTERNAL NUTS MUST BE DRILLED AT ASSEMBLY WITH 1/8" WIRE TO BOLTS, WITH STAINLESS STEEL WIRE.
- 8- SEE NOZZLE ATTACHMENT WELDS; (A) ALL BEVELS 30° UNLESS NOTED (B) ALL FILLET WELDS 45°
- 9- ALL NOZZLES TO BE FLUSH ON INSIDE OF TANK HEAD OR SHELL.

B.F. NO.	DATE	APPARATUS
2003-4	4/11/62	T-111
SHEET	PROJECT	ORDER NO.
1	97016	336-097-16042
PLANT	APPROVED	DATE
HARBOR BEACH	4/11/62	

NOZZLE DATA			
NOZZLE	SIZE	USE	NOZZLE
A	1/2"	AGITATOR	1/2"
B	1/2"	QUIP. FLANGE	1/2"
C	1/2"	FLANGE	1/2"
D	1/2"	FLANGE	1/2"
E	1/2"	FLANGE	1/2"
F	1/2"	FLANGE	1/2"
G	1/2"	FLANGE	1/2"
H	1/2"	FLANGE	1/2"
I	1/2"	FLANGE	1/2"
J	1/2"	FLANGE	1/2"
K	1/2"	FLANGE	1/2"

HERCULES POWDER COMPANY
PLANT HARBOR BEACH
BUILDING G.A. MNEG No. 15

DATE	NO.	DESCRIPTION	REVISIONS	DATE	NO.	DESCRIPTION	REVISIONS
4-5-62	1	REV. SCH. NO. 111111		4-5-62	1	REV. SCH. NO. 111111	
4-5-62	2	REV. SCH. NO. 111111		4-5-62	2	REV. SCH. NO. 111111	
4-5-62	3	REV. SCH. NO. 111111		4-5-62	3	REV. SCH. NO. 111111	
4-5-62	4	REV. SCH. NO. 111111		4-5-62	4	REV. SCH. NO. 111111	
4-5-62	5	REV. SCH. NO. 111111		4-5-62	5	REV. SCH. NO. 111111	
4-5-62	6	REV. SCH. NO. 111111		4-5-62	6	REV. SCH. NO. 111111	
4-5-62	7	REV. SCH. NO. 111111		4-5-62	7	REV. SCH. NO. 111111	
4-5-62	8	REV. SCH. NO. 111111		4-5-62	8	REV. SCH. NO. 111111	
4-5-62	9	REV. SCH. NO. 111111		4-5-62	9	REV. SCH. NO. 111111	
4-5-62	10	REV. SCH. NO. 111111		4-5-62	10	REV. SCH. NO. 111111	

DATE	NO.	DESCRIPTION	REVISIONS	DATE	NO.	DESCRIPTION	REVISIONS
4-5-62	1	REV. SCH. NO. 111111		4-5-62	1	REV. SCH. NO. 111111	
4-5-62	2	REV. SCH. NO. 111111		4-5-62	2	REV. SCH. NO. 111111	
4-5-62	3	REV. SCH. NO. 111111		4-5-62	3	REV. SCH. NO. 111111	
4-5-62	4	REV. SCH. NO. 111111		4-5-62	4	REV. SCH. NO. 111111	
4-5-62	5	REV. SCH. NO. 111111		4-5-62	5	REV. SCH. NO. 111111	
4-5-62	6	REV. SCH. NO. 111111		4-5-62	6	REV. SCH. NO. 111111	
4-5-62	7	REV. SCH. NO. 111111		4-5-62	7	REV. SCH. NO. 111111	
4-5-62	8	REV. SCH. NO. 111111		4-5-62	8	REV. SCH. NO. 111111	
4-5-62	9	REV. SCH. NO. 111111		4-5-62	9	REV. SCH. NO. 111111	
4-5-62	10	REV. SCH. NO. 111111		4-5-62	10	REV. SCH. NO. 111111	