

MAX NOZZLE LOADING FOR INDICATED CONNS

SYMBOL	BECHTEL NO.	P	FORCE [LBS]			MOMENTS [FT-LBS]		
			Vc	Vi	Mc	Mi	Mt	
3S1	N01	+/- 625	840	771	2414	3792	3792	
3S1A	N06	+/- 84	114	104	141	221	221	
3S2	N03	+/- 176	236	216	350	550	550	
3S3	N02	+/- 176	216	236	350	550	550	
3T1	N04	+/- 310	416	382	613	963	963	
3T2	N05	+/- 310	416	382	613	963	963	

CONNECTION SCHEDULE S = SHELL SIDE T = TUBE SIDE

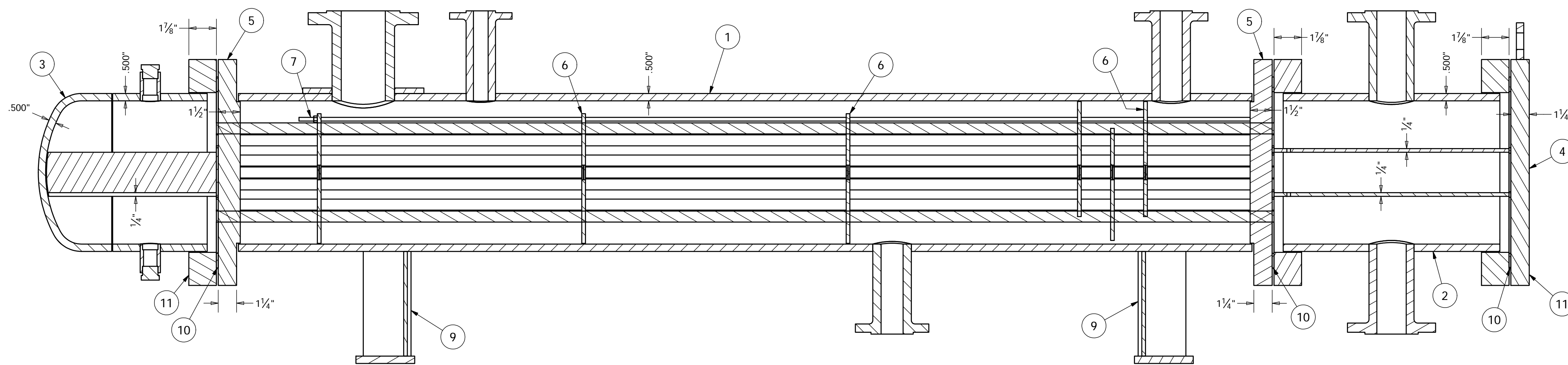
SYMBOL	BECHTEL NO.	NO REQ'D	SIZE	TYPE	WALL THK	SERVICE	REMARKS
3S1	N01	1	3.00	150# ASME (RFLWN)	0.625	VAPOR INLET	
3S1.1		1	0.75	NPT 3000#	-	TEST	PLUGGED
3S1A	N06	1	1.00	150# ASME (RFLWN)	0.500	VAPOR INLET	
3S1A.1		1	0.50	NPT 3000#	-	TEST	PLUGGED
3S2	N03	1	1.50	150# ASME (RFLWN)	0.560	VAPOR OUTLET	
3S2.1		1	0.50	NPT 3000#	-	TEST	PLUGGED
3S3	N02	1	1.50	150# ASME (RFLWN)	0.560	CONDENSATE OUTLET	SEE NOTE #9
3T1	N04	1	2.00	150# ASME (RFLWN)	0.530	WATER INLET	
3T1.1		1	0.75	NPT 3000#	-	TEST	PLUGGED
3T2	N05	1	2.00	150# ASME (RFLWN)	0.530	WATER OUTLET	
3T2.1		1	0.75	NPT 3000#	-	TEST	PLUGGED
3T3		1	0.75	NPT 3000# CPLG	-	VENT	PLUGGED
3T4		1	0.75	NPT 3000# CPLG	-	DRAIN	PLUGGED

Please note that source, special nuclear, and byproduct materials, as defined in the Atomic Energy Act of 1954 (AEA) are regulated at the U. S. Department of Energy (DOE) facilities exclusively by DOE acting pursuant to its AEA authority. DOE asserts that pursuant to AEA, it has sole and exclusive responsibility and authority to regulate source, special nuclear, and byproduct materials at DOE-owned nuclear facilities. Information contained herein on radionuclides is provided for process description purposes only.

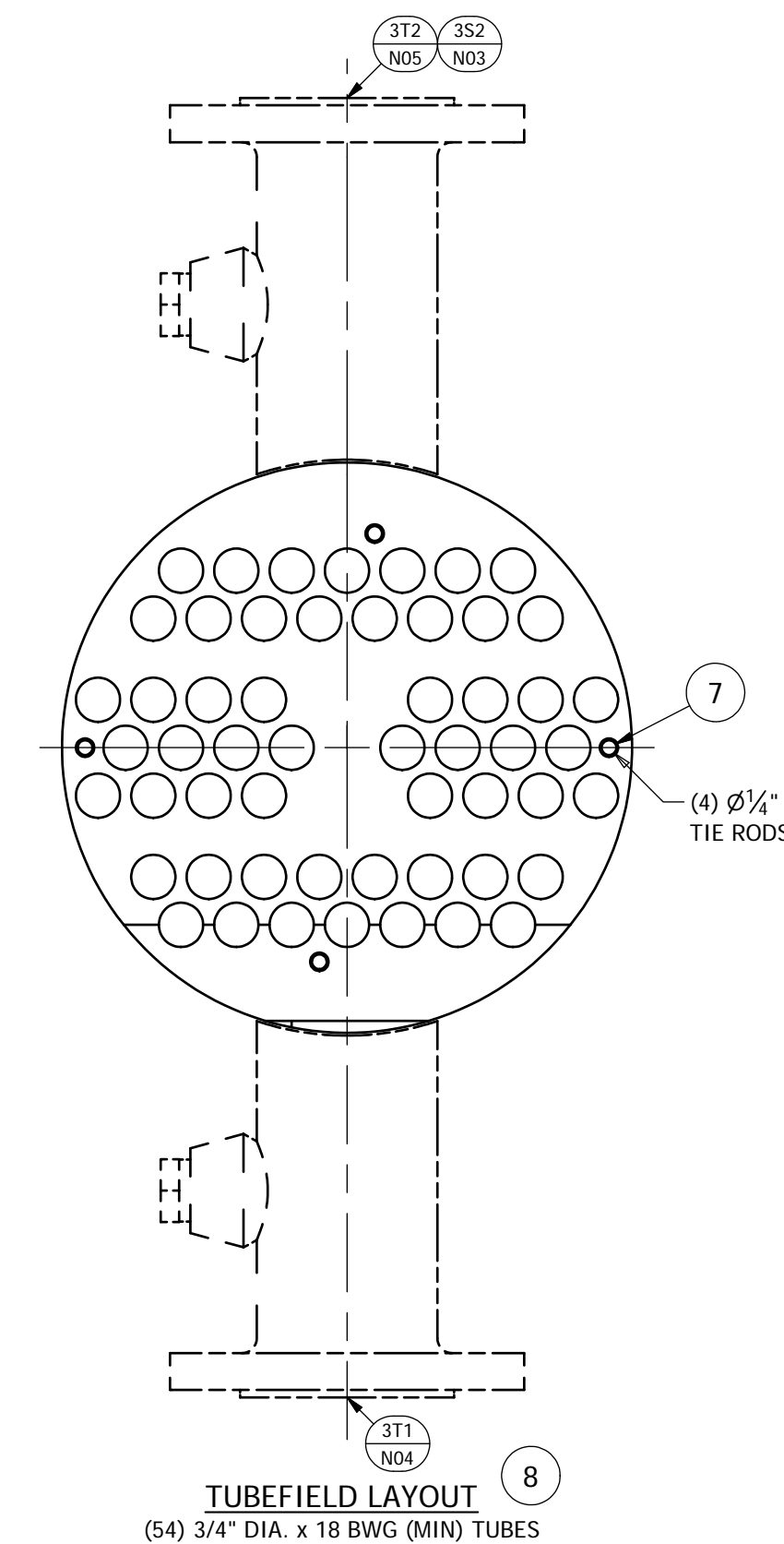
20 FLORENCE AVE. BATAVIA, NEW YORK

10" x 72" AEM INTER CONDENSER  
GENERAL ARRANGEMENT & CROSS SECTIONAL DRAWING

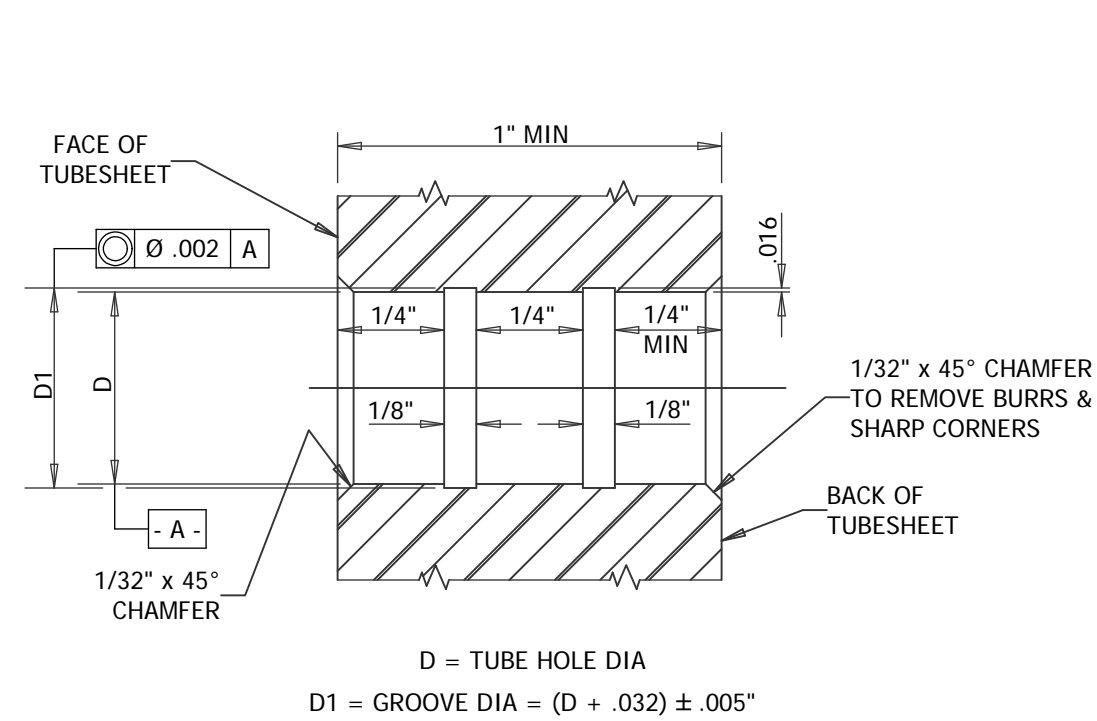
DESIGN: LRE SIZE DWG. NO. 68846-0300 REV 2  
DRAWN: GMB  
CHECKED: CAP SCALE: DO NOT SCALE DATE 10/24/2017 SHEET 2 of 3



SECTION B-B  
CROSS SECTIONAL DRAWING

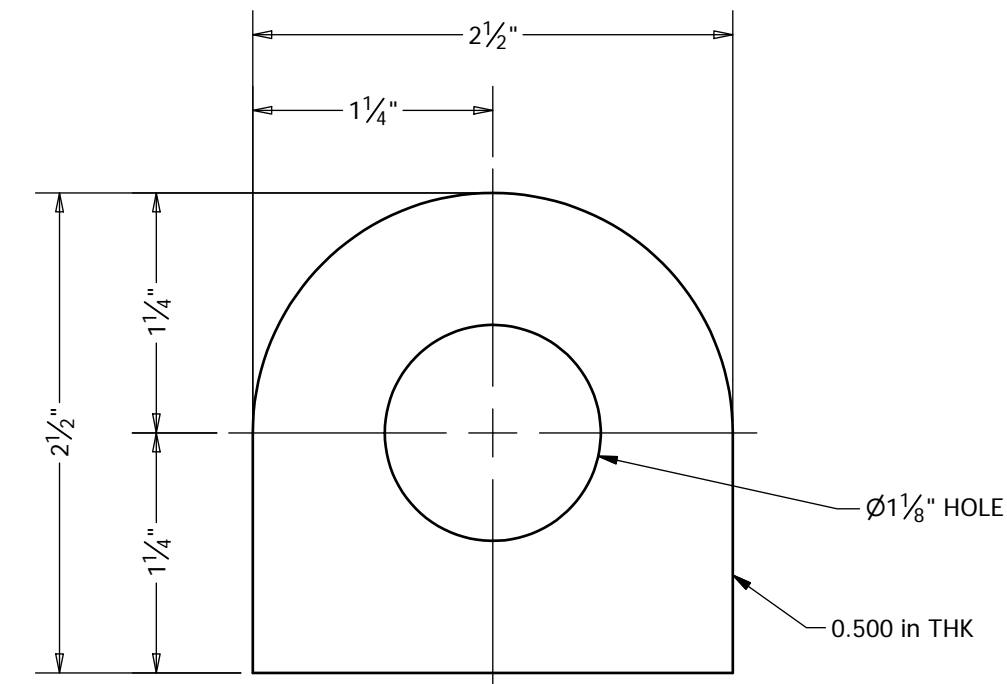


TUBEFIELD LAYOUT  
(54) 3/4" DIA. x 18 BWG (MIN) TUBES



D = TUBE HOLE DIA  
D1 = GROOVE DIA = (D + .032) ± .005"

DETAIL "C"  
(TUBE HOLE GROOVING)  
(Per Graham Std. S-1039)



DETAIL "D"  
LIFTING LUG DETAIL  
(INLET CHANNE & OUTLET BONNET)

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MATERIALS OF CONSTRUCTION			
NO	PART NAME	MATERIAL	SPECIFICATION
1	SHELL	STAINLESS STEEL	SA-240-304/304L, SA-312-304/304L(w), SA-182-304/304L
2	INLET CHANNEL	STAINLESS STEEL	SA-240-304/304L, SA-312-304/304L(w), SA-182-304/304L
3	RETURN BONNET	STAINLESS STEEL	SA-240-304/304L, SA-312-304/304L(w), SA-182-304/304L, SA-403-304/304L
4	INLET CHANNEL COVER	STAINLESS STEEL	SA-240-304/304L
5	TUBESHEETS	STAINLESS STEEL	SA-240-304/304L
6	TUBE SUPPORTS & BAFFLE PLATES	STAINLESS STEEL	SA-240-304/304L
7	TIERODS, SPACERS & NUTS	STAINLESS STEEL	COMM QJAL
8	TUBES	STAINLESS STEEL	SA-213-304/304L(gms)
9	CRADLES	STAINLESS STEEL	SA-240-304/304L
10	GASKETS	SPIRAL WOUND	304/304L WINDINGS, INNER & OUTER RING, & PTFE FILLER
11	BOLTING (20) 3/4"-10 TPI x 5 1/2" LG STUDS IN EACH BODY FLANGE JOINT	STAINLESS STEEL	SA-193-B8 CLASS 1, SA-194-GR8

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**GRAHAM CORPORATION**  
20 FLORENCE AVE. BATAVIA, NEW YORK

10" x 72" AEM INTER CONDENSER  
GENERAL ARRANGEMENT & CROSS SECTIONAL DRAWING

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DRAWN: GMB	SCALE: DO NOT SCALE	DATE: 10/24/2017	SHEET: 3 of 3
CHECKED: CAP			