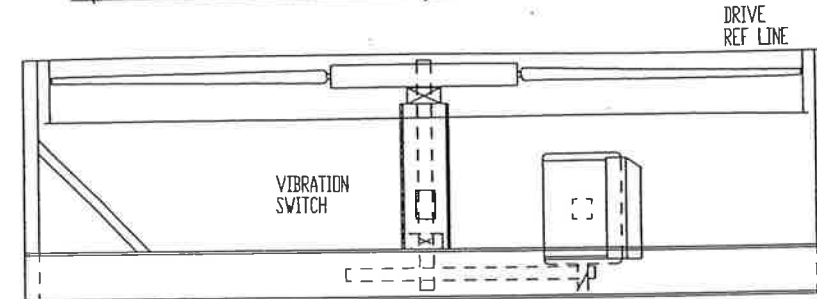
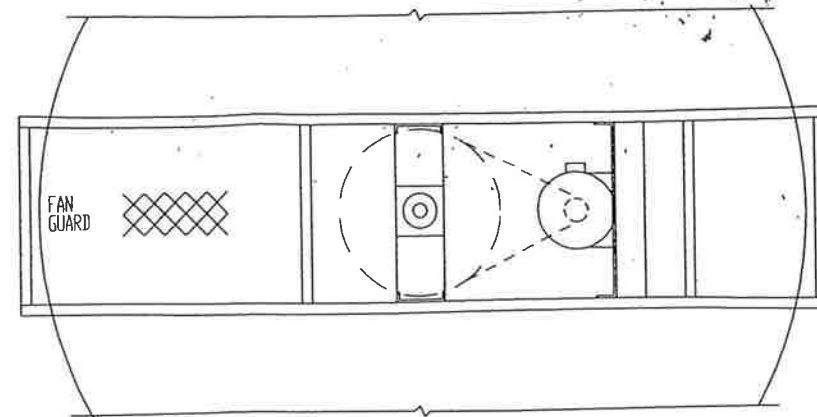
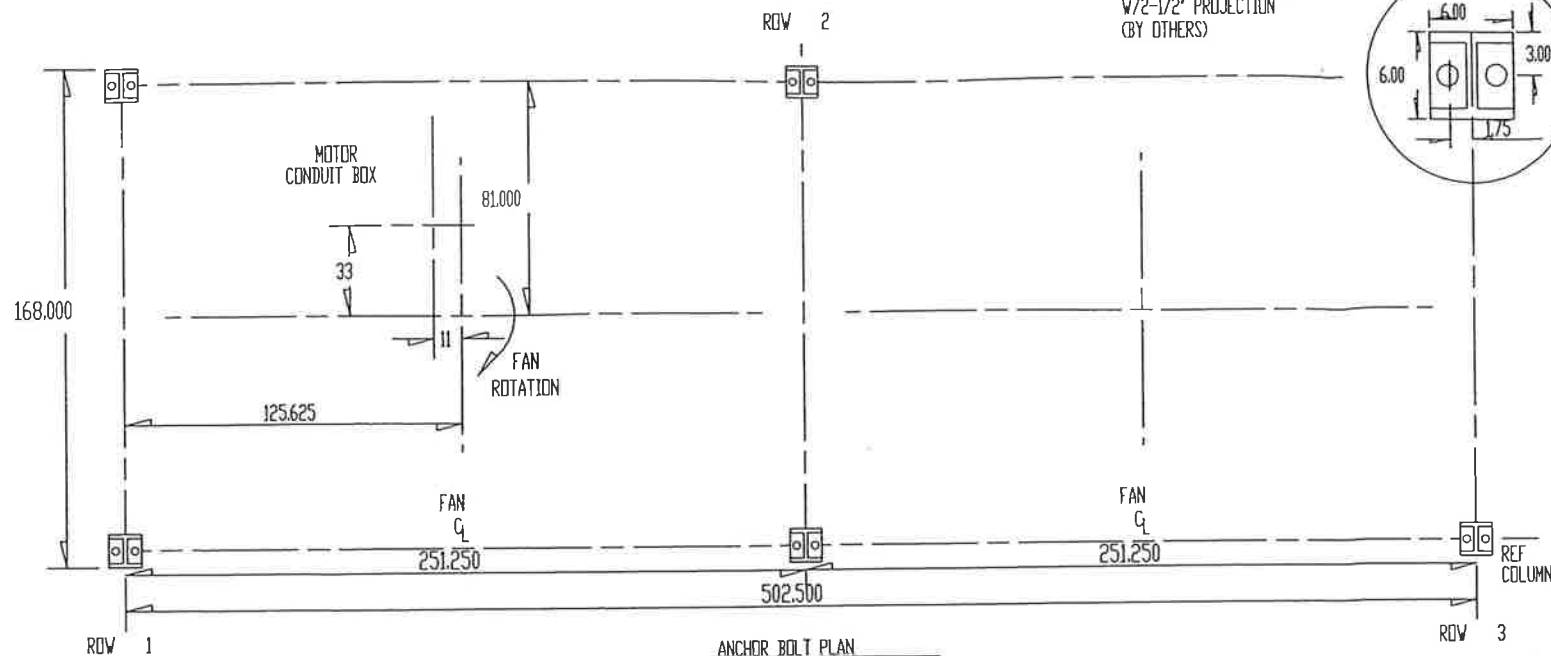
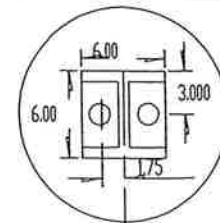


DRY WGT	55699	WIND	30.0	PSF	/100	MPH	SEISMIC	0	PLATFORM	0	LBS/SQ-FT LIVE	
COLUMN LOAD (KIPS)	DRY DEAD	WET DEAD	WIND VERT	WIND HORIZ	SEIS VERT	SEIS HORIZ	SNOW	PLAT	NOZZ VERT	NOZZ HORIZ	TOTAL	
ROW 1 / COLUMN	7.0	8.1	2.0	1.2	0.0	0.0	0.0	0.0	1.5	1.5	11.6	
ROW 2 / COLUMN	13.9	16.1	4.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	20.1	
ROW 3 / COLUMN	7.0	8.1	2.0	1.2	0.0	0.0	0.0	0.0	1.5	1.5	11.6	

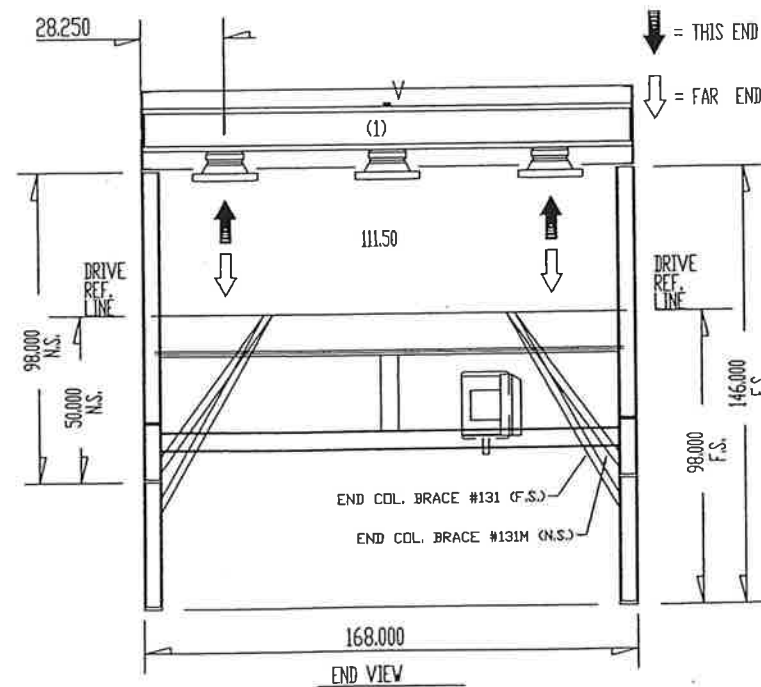
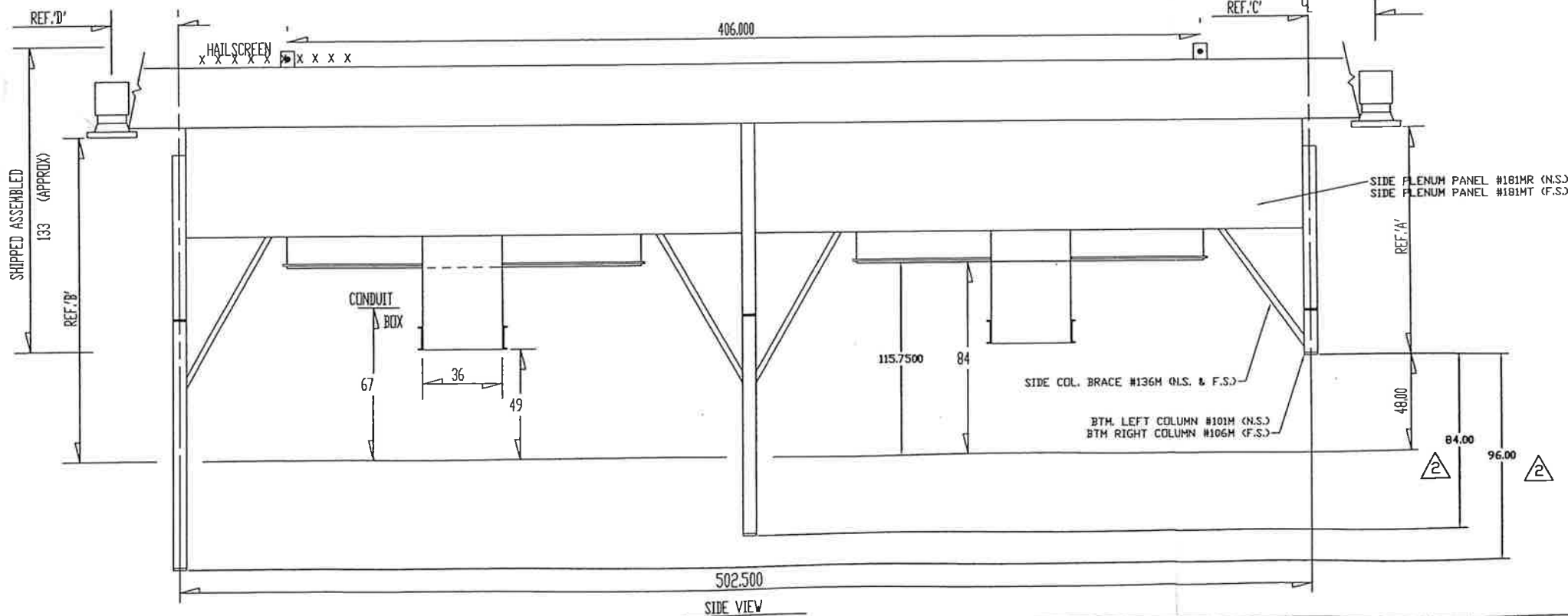
FAN	60	5000										
156 IN. DIAMETER	6	BLADE										
197000 ACFM	11.0	DEG.										
DRIVE REDUCER												
BELTS	3360	-14M	-	85								
SHEAVES	FAN P192	MOTOR	P28									
BEARINGS	2,9375	IN.										

MOTOR HP	40.0	RPM	1750	/0.								
324T TEFC												
INSULATION CLASS F	/B	TEMP RISE										
460 / 3 / 60	SINGLE WINDING	VARIABLE TORQUE										
AMPS 100/FLA	47	LRA	290									
VIBRATION SWITCH	MURPHY VS-2EX											
VOLTS 480	AMPS 5.0	CONTACTS	DPDT									

ANCHOR BOLTS-
1" DIA.
W/2-1/2" PROJECTION
(BY OTHERS)



FAN & DRIVE DETAILS



1 OF 2 BAYS PROVIDED

DISTANCE BETWEEN BAYS:

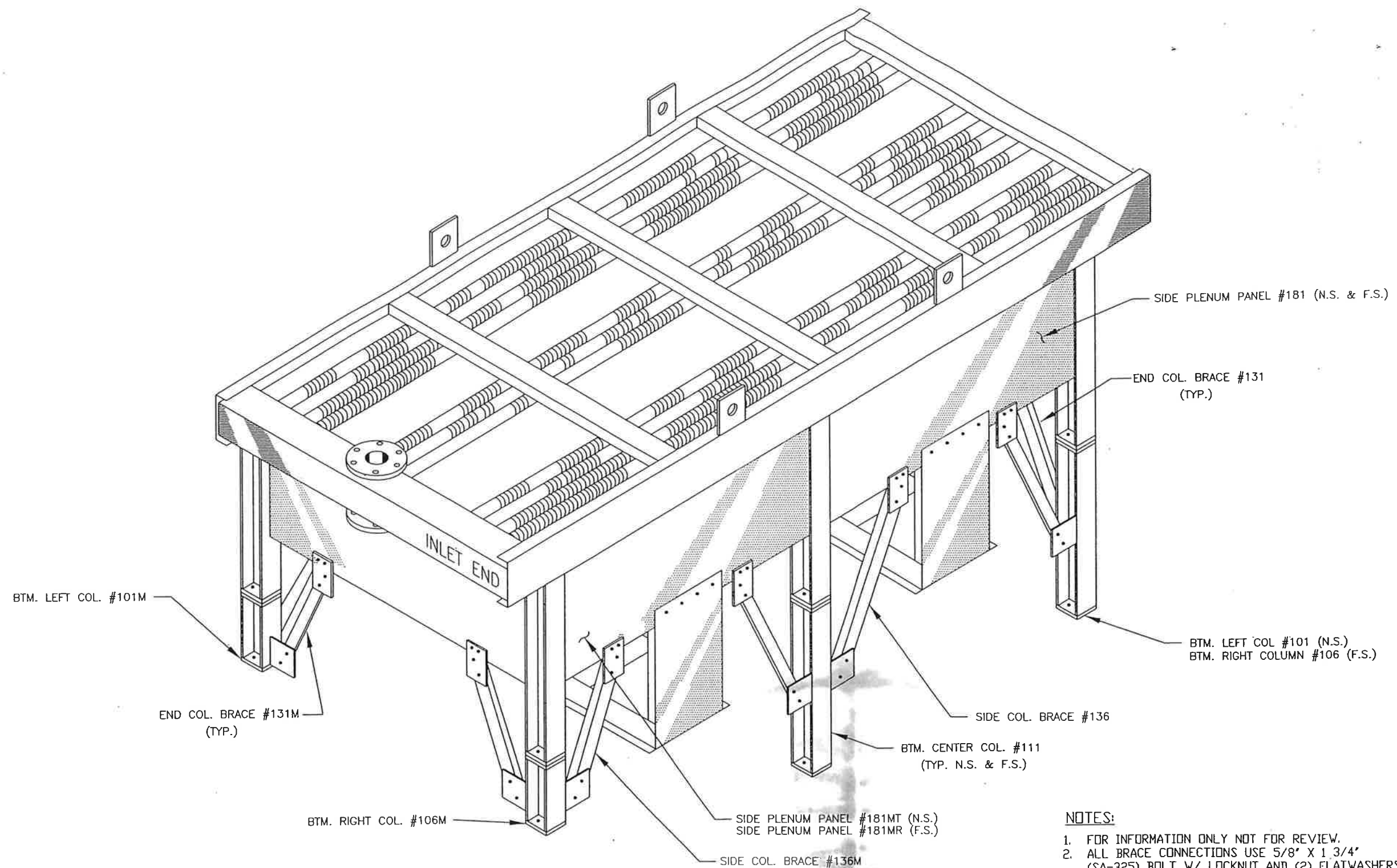
6.000

ITEM	SERVICE	NOZZLES INLET	OUTLET	REFERENCE DIMENSIONS	BUNDLE WEIGHT	COUPLINGS	SHUTTER-OPERATOR	HAIL SCR. CODE	DESIGN PRESS.
1 #4	CAS COOLER	3 12 - 600 # RF SCH 80	3 12 - 600 # RF SCH 80	A B C D	39800	V&D TEMP PRESS	none	YES ASME	1100
				91.750 139.750 30.000 30.000		1-6000 NONE NONE			

TOLERANCES:	(ALL DIMENSIONS IN INCHES)
MECHANICAL EQUIPMENT	±1/8" PER 10' -0"
NOZZLE	±1/8"
STRUCTURAL-	
WITH	HAND TOOL CLEAN
FRAME-	1 COAT GALVANIZE
WITH	HAND TOOL CLEAN
HEADER-	1 COAT GALVANIZE
WITH	WHITE METAL BLAST CLEAN
WITH	1 COAT METALIZE
CUSTOMER	TURN-KEY SPECIALISTS
LOCATION	NEW CANEY, TX
REFERENCE	268-SEI-001
CERTIFIED BY	J.R.
DATE	3.29.02

SMITHCO	AIR COOLED DIVISION	TULSA, OKLAHOMA
PIPING, EQUIPMENT OUTLINE & ANCHOR BOLT PLAN	MODEL 2 F 46 -140 -2	QUANTITY 1
DWN	HP/RLB	CKD
DATE	2 -14 -2002	
REV	2	
JOB	2002B 436	-A

REV 2-REVISED COLUMN LENGTHS PER CUSTOMER J.R./3.20.02
REV 1-SENT FINAL CERTIFIED RLB 3/8/02
REV 0-SENT FOR APPROVAL RLB 2/14/02



NOTES:

1. FOR INFORMATION ONLY NOT FOR REVIEW.
2. ALL BRACE CONNECTIONS USE 5/8" X 1 3/4" (SA-325) BOLT W/ LOCKNUT AND (2) FLATWASHERS
3. USE 5/8" X 2 1/4" (SA-325) BOLT W/ LOCKNUT AND (2) FLATWASHERS AT COLUMN SPLICE.



Smithco Engineering Company

P.O. BOX 571330

TULSA, OKLAHOMA 74157-1330

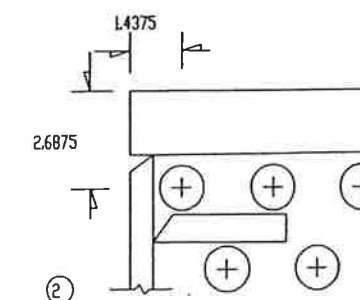
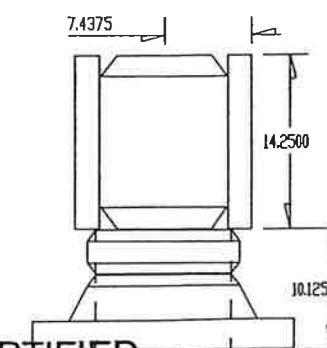
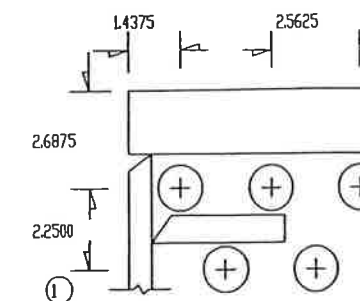
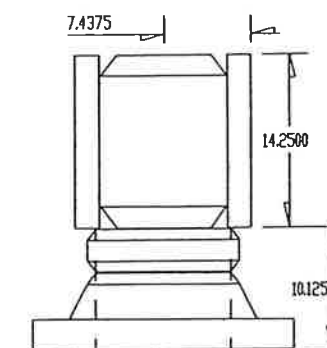
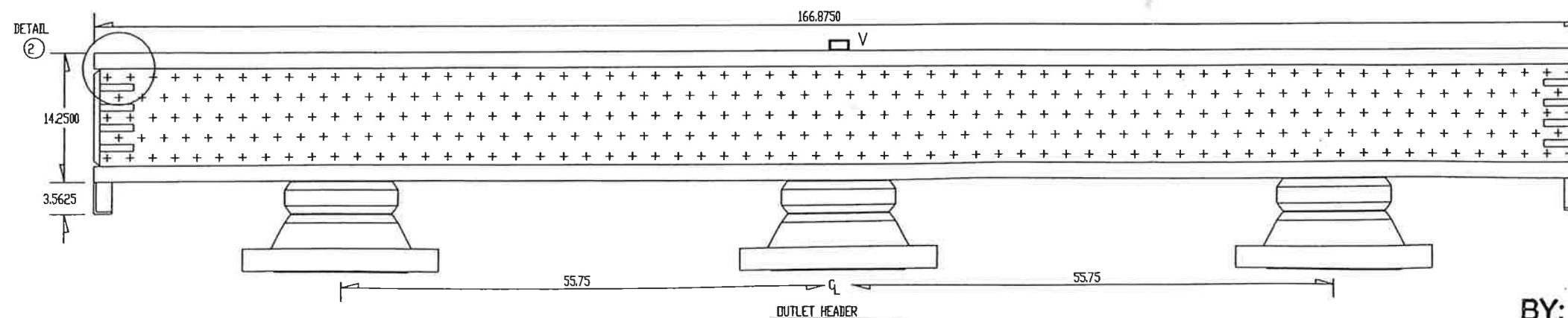
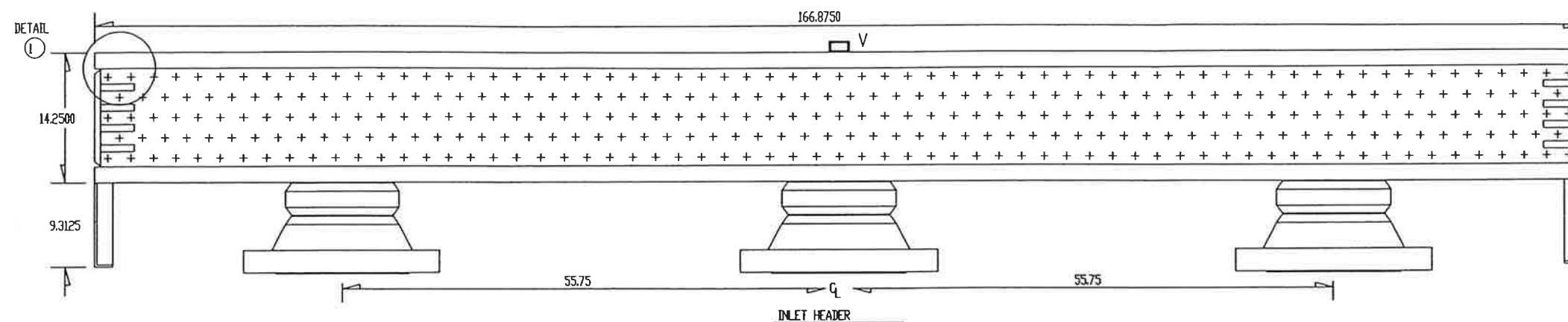
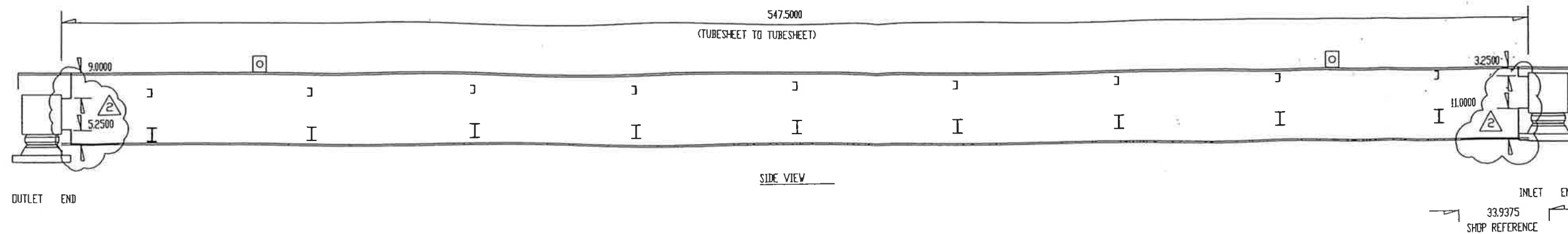
NOTE--This drawing is the property of Smithco Engineering Co., and is not to be produced in whole, or in part, nor used for any purpose other than that for which it is specifically furnished without the approval of Smithco Engineering Co.

TITLE

DOUBLE FAN FIELD ERECTION

REV.	DWG.	CKD.	APPR.	DATE	DESCRIPTION
REVISIONS					

DWN.	APP.	DATE	SCALE	JOB. NO.	DWG. NO.	REV.
RLB		2/14/02	NONE	02B436	436B-FE1	0



CERTIFIED
BY: RUB 4-5-02

REV 2-REVISED CLOSERS RLB 4/5/02
REV 1-SENT FINAL CERTIFIED RLB 3/8/02
REV 0-SENT FOR APPROVAL RLB 2/14/02

MACHINING TUBE HOLE PLUG HOLE NOZZLE IN (3) 1200 OUT (3) 1200 1-6000 TREAT WEIGHT 12000	DRILL 1.1875 1.2812 IN (3) 1200 OUT (3) 1200 1-6000	REAM 1.261 SF 1.625 600 DRAIN DEG F 120	SPECIAL ± 0.003 TAP L0625 RF SCH 80 RF SCH 80 MIN	INLET INLET INLET INLET RETURN RETURN RETURN RETURN	TUBE COVER END TIE TUBE COVER END TIE	PLUG PLUG	THICK 2.0000 1.7500 0.6250 0.7500 2.0000 1.7500 0.6250 0.7500	LENGTH 166.8750 166.8750 10.5625 10.5625 166.8750 166.8750 10.5625 10.5625	WIDTH 14.2500 10.5625 10.5000 3.7500 14.2500 10.5625 10.5000 3.7500	BEVELS NONE LONG SIDES ALL SIDES 3 SIDES NONE LONG SIDES ALL SIDES 3 SIDES	MATERIAL PLATE FLG PIPE CPLG WELD PROCEDURES PIPE-FLG FLG-HEAD HAND WLD AUTO WLD PLATE TOLERANCES	SPECIFICATIONS SA-516 GR-70 SA-105 SA-106B SA-105 SM-2HT / SM-2HT SM-1HT / SM-1HT SM-2HT / SM-2HT SM-3HT / SM-3HT ± 1/16"	NORM STOCK STOCK ± 1/16"	TUBES 323 IF 65 ROWS 5 PASS 1 LGTH 552 IN TUBE OD 1.250 X 0.065 MATL SA-214 WLD - 0.625 - alum FIN TYPE L-TENSION 10.0 - 0.625 PLUG QTY 646 TYPE A105 - 2220 GASKET CS - 2213 LENGTH 20.0000 EXPANDER 1.1200 FRAME -THICK 0.3125 LENGTH 574 INL DEPTH 26.0000 X 3 SUPPORT 9 BINDER- 9 CLOSER- 4 166.500 SUPPORT TYPE - SCALLOPED CHANNEL STAPLED ENDS FFOOT: 12 ' X 9.3125 * BFOOT: 12 ' X 3.5625	STOCKO STOCKO STOCKO STOCKO STOCKO	TEST PRESSURE: 1650 TIME: 60 MIN V/ CHART HEADS: WHITE METAL BLAST CLEAN w/ 1 metalize FRAME: HAND TOOL CLEAN w/ 1 galvanize COIL VOLUME: 121 CU FT NORMALIZE ALL PLATE (1.625)	AIR COOLED DIVISION BUNDLE DETAILS APPRV RLB REV 2 2 - 14 - 2002 SERVICE : GAS COOLER 1 ITEM : #4 <table><tr><td>MFG</td><td>WELD</td><td>FIN</td><td>ASMBL</td><td>STRUC</td><td>INSP</td><td>CUST</td></tr><tr><td>1</td><td>2</td><td></td><td>2</td><td>1</td><td>1</td><td>0</td></tr></table> QTY 2 WEIGHT 39700 2002 B 436 1	MFG	WELD	FIN	ASMBL	STRUC	INSP	CUST	1	2		2	1	1	0
MFG	WELD	FIN	ASMBL	STRUC	INSP	CUST																									
1	2		2	1	1	0																									