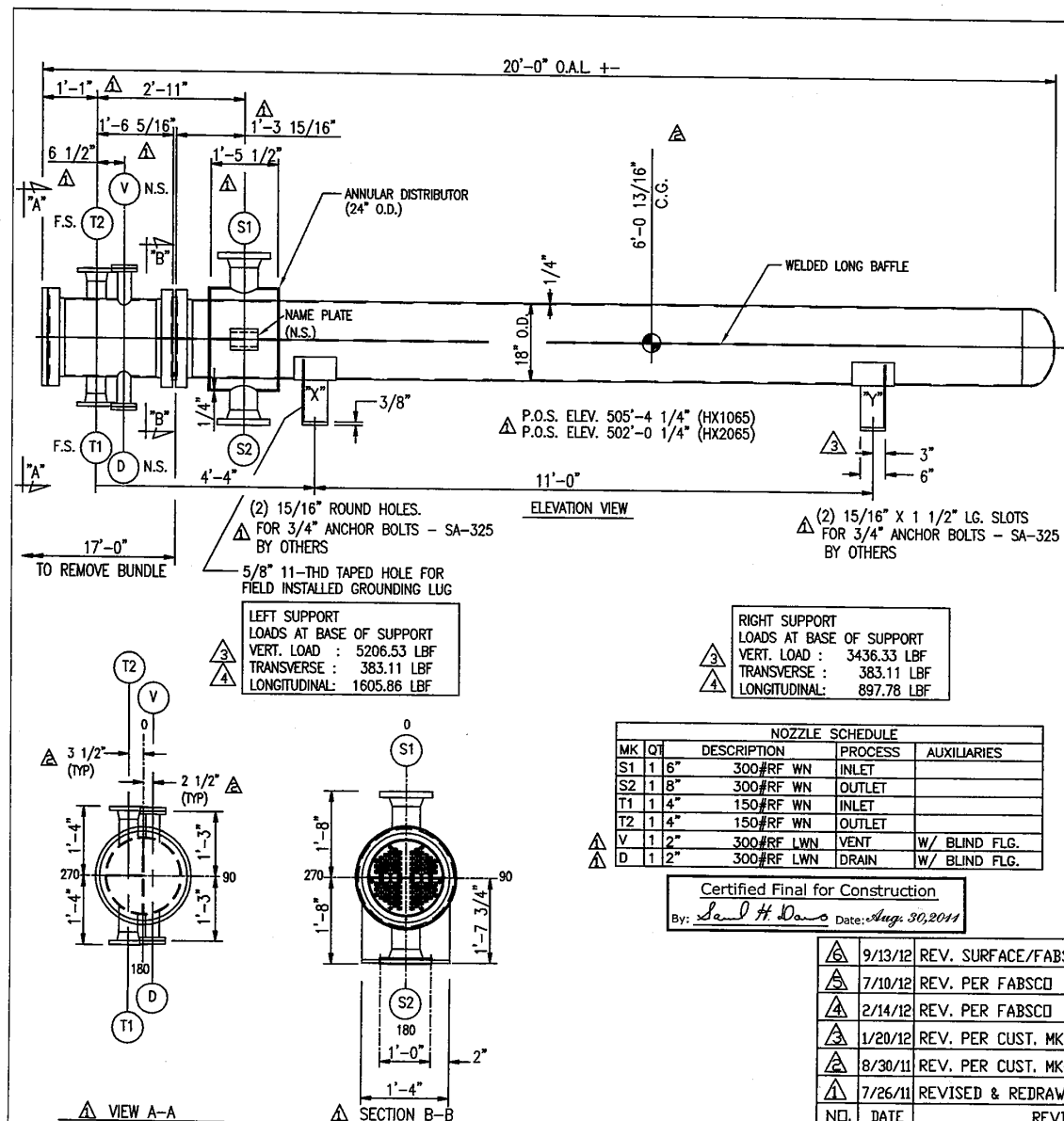




DESIGN DATA	SHELL	TUBE
DESIGN PRESSURE P.S.I.G.	180	150
VACUUM PRESSURE P.S.I.G.	N/A	N/A
TEST PRESSURE P.S.I.G.	234	195
DESIGN TEMP. Deg.F.	290	200
MDMT Deg. F.	10	10
CORROSION ALLOWANCE	0"	0"
NUMBER OF PASSES	2	4
RADIOGRAPHY	100% (RT-4)	100%
HEAT TREAT REQUIRED	NO	NO

ESTIMATED WEIGHTS, LBS.		
DRY: 4100	BUNDLE: 2200	WET: 5950
OPERATING: 4750		

SPECIFICATIONS
 ASME Code Section VIII, Div 1, 2010 Ed. (Stamp: Yes).
 TEMA Class R; National Board Registration is required.
 Design Reviewed For Compliance With The Requirements of UG-120(d).
 Exempt From Impact Testing Per UG-20(f), UCS-66(a)(c), Fig. UCS-66 Note (c), and UCS-67.

MATERIAL	
CHANNEL:	SA-312TP304L
SHELL:	SA-312TP304L
TUBESHEETS:	SA-240-304L
BAFFLES:	SA-240-304L
TUBES:	SA-213TP304L
(51 U's)	1" O.D.X 0.091" (AVG) X 16'-0" LG.
TUBE PITCH	1 1/4" SURFACE 437 SQ. FT

GENERAL NOTES
 ALL BOLT HOLES TO STRADDLE NATURAL CENTER LINES.
 GASKETS: 1/8" THK 304L STN STL DBL JCKT'D GRAPHITE FILLED & GRAPHITE COATED (2-SETS SPARES REQ'D).
 INSULATION: SHELL SIDE 3" METAL GUARD (BY OTHERS) STRENGTH WELD TUBES TO TUBESHEET PER UW-20 (c or d) SHELL SIDE DESIGNED FOR WET H2S PER UOP 4.11 PARG 4.7
 PAINT: SADDLE SUPPORT SURFACES TO BE SOLVENT CLEANED PER SSPC-SP1. SANDBLAST SADDLE SUPPORTS SURFACES PER SSPC-SP10 (PROFILE 1-2 MILS) PRIMER: ONE (1) COAT CARBOLINE CARBOZINC 859 (2-3 MILS DFT) INTERM.: ONE (1) COAT CARBOLINE CARBOGUARD 890 (4-6 MILS DFT) FINISH: ONE (1) COAT CARBOLINE CARBOETHANE 134HG (2-3 MILS DFT) (8-12 MILS TOTAL D.F.T.)(LIGHT GREY (RAL 7035))

CUSTOMER: SOUTHERN COMPANY SERVICES
 REQ. NO.: MC213
 P.O. NO.: MPC17901
 ITEM NO.: HX1065/2065
 SERVICE: AGR FLASH GAS COOLER
 SHIP TO: KEMPER COUNTY, MS

ASSEMBLY AND SPECIFICATIONS FOR
 TWO 17-192 A F U

DWN. BY DS
 DATE 3-23-11
 CKD. BY SR
Fabsco
 SHELL & TUBE, LLC

NO.	DATE	REVISIONS
9/13/12	REV. SURFACE/FABSCO DD/	
7/10/12	REV. PER FABSCO DD/SF	
2/14/12	REV. PER FABSCO DD/SF	
1/20/12	REV. PER CUST. MK-UP DD/SF	
8/30/11	REV. PER CUST. MK-UP KS/DD	
7/26/11	REVISED & REDRAWN AC/DGD	

Certified Final for Construction

By: *Sam H. Davis* Date: *Aug. 30, 2011*

NOZZLE SCHEDULE			
MK	QT	DESCRIPTION	AUXILIARIES
S1	1	6" 300#RF WN	INLET
S2	1	8" 300#RF WN	OUTLET
T1	1	4" 150#RF WN	INLET
T2	1	4" 150#RF WN	OUTLET
V	1	2" 300#RF LWN	VENT W/ BLIND FLG.
D	1	2" 300#RF LWN	DRAIN W/ BLIND FLG.

CUSTOMER REQUIREMENTS

- 1) NOTIFY CUSTOMER AT LEAST 10 DAYS IN ADVANCE OF ANY SCHEDULED TEST, WITH VERBAL CONFIRMATION BEFORE THE HOLD POINT IS SCHEDULED TO OCCUR.
- 2) SUPPLIER IS REQUIRED TO PROVIDE A MINIMUM FIVE (5) DAY ADVANCE NOTICE PRIOR TO WHEN THE WITNESS POINT IS SCHEDULED TO OCCUR.
- 3) THE FLATNESS TOLERANCE (MAXIMUM DEVIATION FROM A PLANE) ON PERIPHERAL GASKET CONTACT SURFACES SHALL BE $\pm 1/32"$. USE OF A STRAIGHT EDGE TO DETERMINE FLATNESS TOLERANCE IS ACCEPTABLE.
- 4) GIRTH FLANGE FLATNESS TOLERANCE SHALL BE MEASURED AFTER THE FLANGE FINAL WELDED. FLATNESS TOLERANCE ON TUBESHEET GASKET SURFACES SHALL BE MEASURED AFTER TUBE-TO-TUBESHEET JOINTS ARE ROLLED OR WELDED.
- 5) THE INTERPASS TEMPERATURE FOR AUST. STN. STL. SHALL NOT EXCEED 350°F.
- 6) TEMPORARY ATTACHMENTS AND ARC STRIKES SHALL BE REMOVED, AND THE AREA CONDITIONED, NONDESTRUCTIVELY EXAMINED MAGNETIC PARTICLE EXAMINATION (MT) OR DYE PENETRANT EXAMINATION (PT), IN ADDITION TO VISUAL EXAMINATION, TO ENSURE NO CRACKS HAVE BEEN GENERATED.
- 7) PLUG SHELL INSIDE DIAMETER WITH A METAL TEMPLATE CONSISTING OF TWO DISCS (EACH HAVING A DIAMETER EQUAL TO THE DIAMETER OF THE BAFFLES) RIGIDLY MOUNTED PERPENDICULAR TO A SHAFT, AND SPACED 18" APART.
- 8) WELD JOINT SURFACES AND A MINIMUM OF 1" ON THE INTERNAL AND EXTERNAL SURFACES OF THE ADJACENT BASE METAL SHALL BE CLEAN AND FREE OF PAINT, OIL, DIRT, SCALE, OXIDES, AND OTHER FOREIGN MATTER.
- 9) ALL LIFTING LUG WELDS ARE TO BE M.T. OR P.T. OVER THE ENTIRE WELD SURFACE.
- 10) STAMPING TO BE DONE WITH "LOW STRESS" STAMPS.
- 11) SUPPORT PADS ARE TO BE AIR AND SOAP TESTED WITH 15 P.S.I.G. AIR PRESSURE. PLUG TEST HOLES WITH STIFF GREASE AFTER HYDROTEST.
- 12) THE P.O. No., ITEM No., SHIPPING WT., TO BE STENCILED ON THE SIDE OF THE SHELL IN 3" HIGH LETTERS.
- 13) SEAL WELD ALL ATTACHMENTS.
- 14) WHEN PREHEAT IS REQUIRED FOR WELDING, IT SHALL APPLY ALSO TO ELECTRIC ARC CUTTING, FLAME CUTTING, TACK WELDING, AND BACK GOUGING.

- 15) FOR CLEANING STN. STL., USE ALUMINUM OXIDE OR SILICON CARBIDE GRINDING WHEELS AND/OR STN. STL. BRUSHES NOT PREVIOUSLY USED ON CARBON OR LOW ALLOY STEEL.
- 16) PRECAUTION SHALL BE TAKEN TO AVOID CONTAMINATION ON STAINLESS STEEL DURING FABRICATION.
- 17) NOZZLE WELDS SHALL BE SPOT X-RAYED OR U.T. WHEN POSSIBLE. NOZZLE WELD SHALL BE M.T. OR P.T. AS A MIN. REQUIREMENT.
- 18) CHEMICAL ANALYSIS OF ALL WELDS ON SHELL & CHANNEL SHALL BE TAKEN AS FOLLOWS TO REPRESENT BOTH MANUAL AND AUTOMATIC WELD:
 - EACH COMPLETED CYLINDER, HEAD, NOZZLE WELD SHALL BE ANALYZED.
 - TESTING TO BE DONE ON INSIDE SURFACE
 - ANALYSIS SHALL INCLUDE EACH SOURCE OF DEPOSITED WELD MATERIAL (WIRE REEL, BOX OF WELD RODS)
 - CHECK FOR Cr, Ni, C, Nb (Cb), Mo, V, WHERE APPLICABLE
- 19) FERRITE DETERMINATION OF STAINLESS STEEL PRESSURE PARTS ARE REQ'D AS FOLLOWS:
 - FERRITED NUMBER TO BE BETWEEN 3.0 TO 8.
 - READINGS SHALL BE TAKEN FROM AT LEAST TWO (2) LOCATIONS FROM EACH NOZZLE GIRTH WELD, VESSEL WELD SEAM & OTHER STRENGTH WELDS. AT LEAST SIX (6) READINGS SHALL BE TAKEN AT EACH LOCATION.
- 20) P.M.I. IS TO BE IN ACCORDANCE WITH KBR SPECIFICATION 2-1TS-US-BO-M&U.
- 21) FLANGE BOLTING SHALL BE TIGHTENED WITH A TORQUE WRENCH TO A VALUE OF 50,000 P.S.I. STRESS IN STUDS.
- 22) BACK CHIPPED WELDS, WELDING GROOVE AND PLATE EDGES SHALL BE M.T. OR P.T. PRIOR TO WELDING ON THE REVERSE SIDE.
- 23) LIQUID PENETRANT MATERIALS SHALL BE FREE OF HALOGENS (CHLORIDES) ZINC, SULFUR AND OTHER MATERIALS DETREMENTAL TO AUSTENETIC STAINLESS STEEL.
- 24) MAXIMUM HORIZONTAL OR VERTICAL DEFLECTION OF MACHINED FACES OF NOZZLES FROM THE DESIGN PLANE SHALL BE 1/2 DEGREE OR 1/32", WHICHEVER IS GREATER.
- 25) EXPOSED THREADS OF BOLTS SHALL BE COATED WITH RUST VETO 342 RUST PREVENTATIVE, TO PREVENT CORROSION DURING TESTING, SHIPPING, AND STORAGE.

NOT REQUIREMENTS

- SHELL: 100% (RT-4) RADIOGRAPH.
FRONT CHANNEL: 100% RADIOGRAPH.
- AFTER WELDING LONG BAFFLE TO SHELL, M.T. FULL LENGTH OF WELD. RADIOGRAPH FILM SHALL BE FINE GRAIN, HIGH DEFINITION, HIGH CONTRAST FILM (KODAK TYPE AA, EQUIVALENT OR BETTER). FILM DENSITY SHALL BE WITHIN A RANGE OF 2.0 TO 3.5 AS DETERMINED BY FILM DENSITY SPECIMENS OR BY CALIBRATED DENSITOMETER.
- STANDARD SHOP PRACTICES
- 1) ALL BOLT HOLES TO STRADDLE NATURAL CENTER LINES.
 - 2) GRIND INSIDE WELDS FLUSH IN BTM. 1/3 OF SHELL.
 - 3) GRIND INSIDE WELDS SMOOTH WITH CHANNELS.
 - 4) MATCH MARK ALL COMPONENTS FOR PROPER FIT UP.
 - 5) INSTALL SHIPPING COVERS ON ALL NOZZLES FOR SHIPMENT.
 - 6) VESSEL SHALL BE CLEANED INSIDE AND OUTSIDE OF WELD SPLATTER DIRT, WELD ROD, AND OTHER FOREIGN DEBRIS.
 - 7) MAIN DIMENSIONS ARE TO BE HELD WITHIN TEMA TOLERANCE.

STANDARD HYDROTEST REQUIREMENTS

- 1) HYDROTEST CHARTS REQUIRED.
- 2) HYDROTEST TO BE HELD FOR ONE (1) HOUR (MIN).
- 3) HYDROTEST WATER TEMPERATURE TO BE AT LEAST 50°F. (MIN)
- 4) HYDROTEST WATER TO HAVE A CHLORIDE CONTENT OF 50ppm (MAX.), AND THE pH CONTROLLED BETWEEN 6 AND 9.
- 5) AFTER HYDROTEST, THE EXCHANGER TO BE DRAINED AND DRIED ANY REMAINING WATER IS TO BE REMOVED BY BLOWING WARM AIR AT 120° F (MAX.)

SPECIAL PAINT REQUIREMENTS

- 1) ALL STAINLESS STEEL MATERIAL SHALL BE PROTECTED FROM BLASTING, OVERSPRAY, AND COATING.
- 2) ITEMS SUCH AS CHAINS, HOOKS, TONGS, METAL BARS, NARROW STRAPS, SHALL NOT BE ALLOWED TO COME IN CONTACT W/ PAINTED SURFACES.

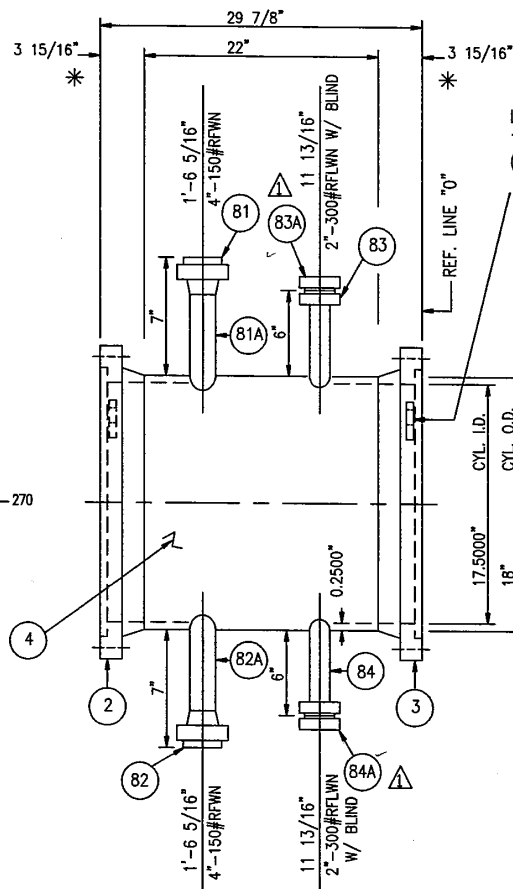
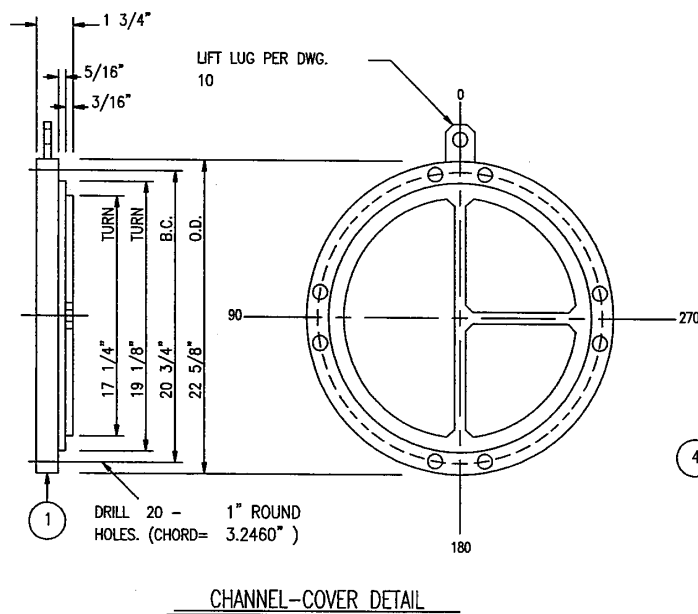
P.O. NO.: MPC17901
ITEM NO.: HX1065/2065
SERVICE: AGR FLASH GAS COOLER
REQ'N. NO.: MC213

				JOB NOTES			
				DWN. BY AC		Fabsco SHELL & TUBE, LLC	
				DATE 4-7-11			
				CKD. BY DGD		DWG. NO. S11-10279-7/8-1A	
				REV. 2			

NO.	DATE	REVISIONS
1	7/10/12	REV. PER FABSCO DGD/
2	8/30/11	REV. PER CUST. MK-UP KS/DD

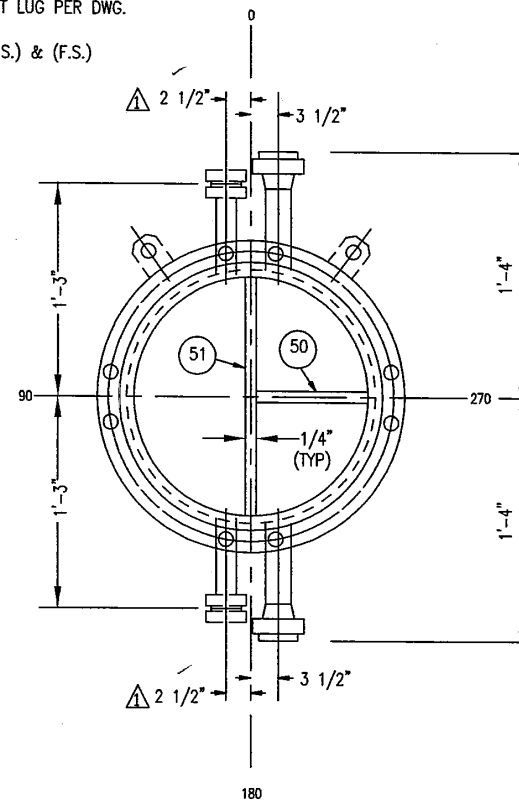
COVER NOTES:

- 1) MACHINE ALL COVER SURFACES TO 250 RMS EXCEPT GASKET SURFACES ARE 125 - 250u IN Ra.
- 2) ALL COVER PASS PLATE GROOVE WIDTHS TO BE 3/8" WIDE.
- 3) ALL COVER PASS PLATE GROOVE JUNCTIONS TO BE NOTCHED 3/8" AT 45 Deg.



* MACHINE GASKET FACING AFTER ALL WELDING.
FOR FLANGE DETAILS SEE DWG. 12

LIFT LUG PER DWG.
10
(N.S.) & (F.S.)

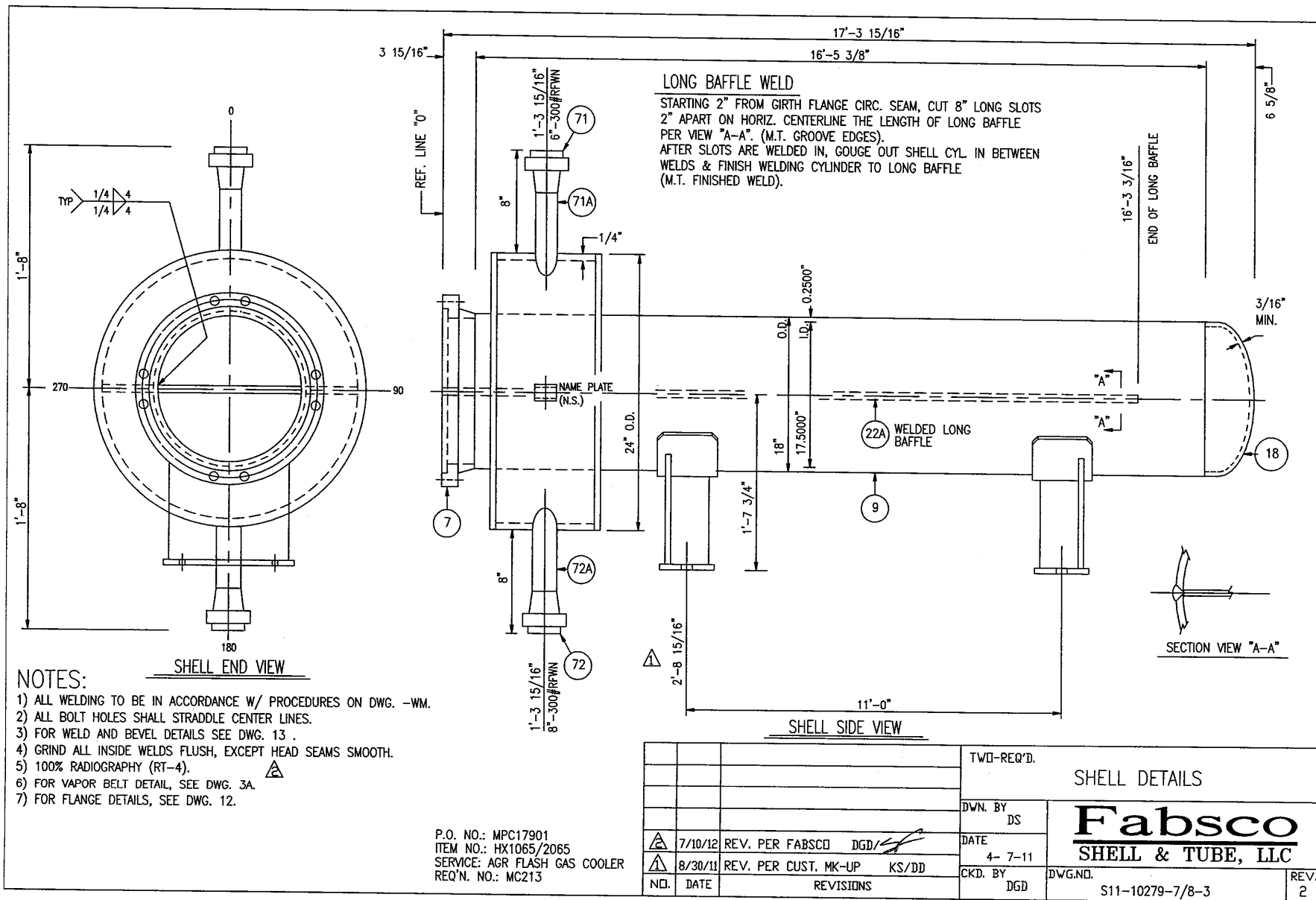


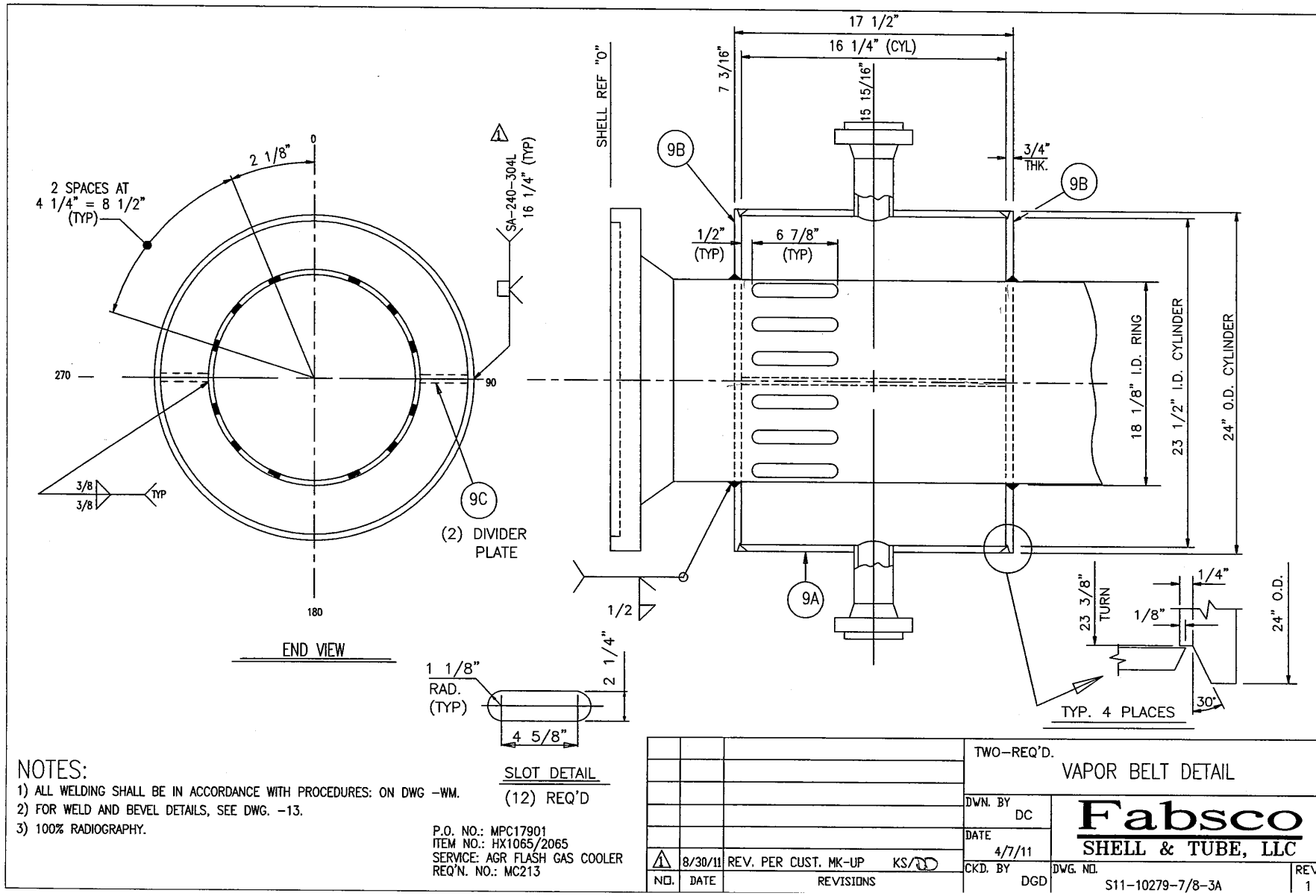
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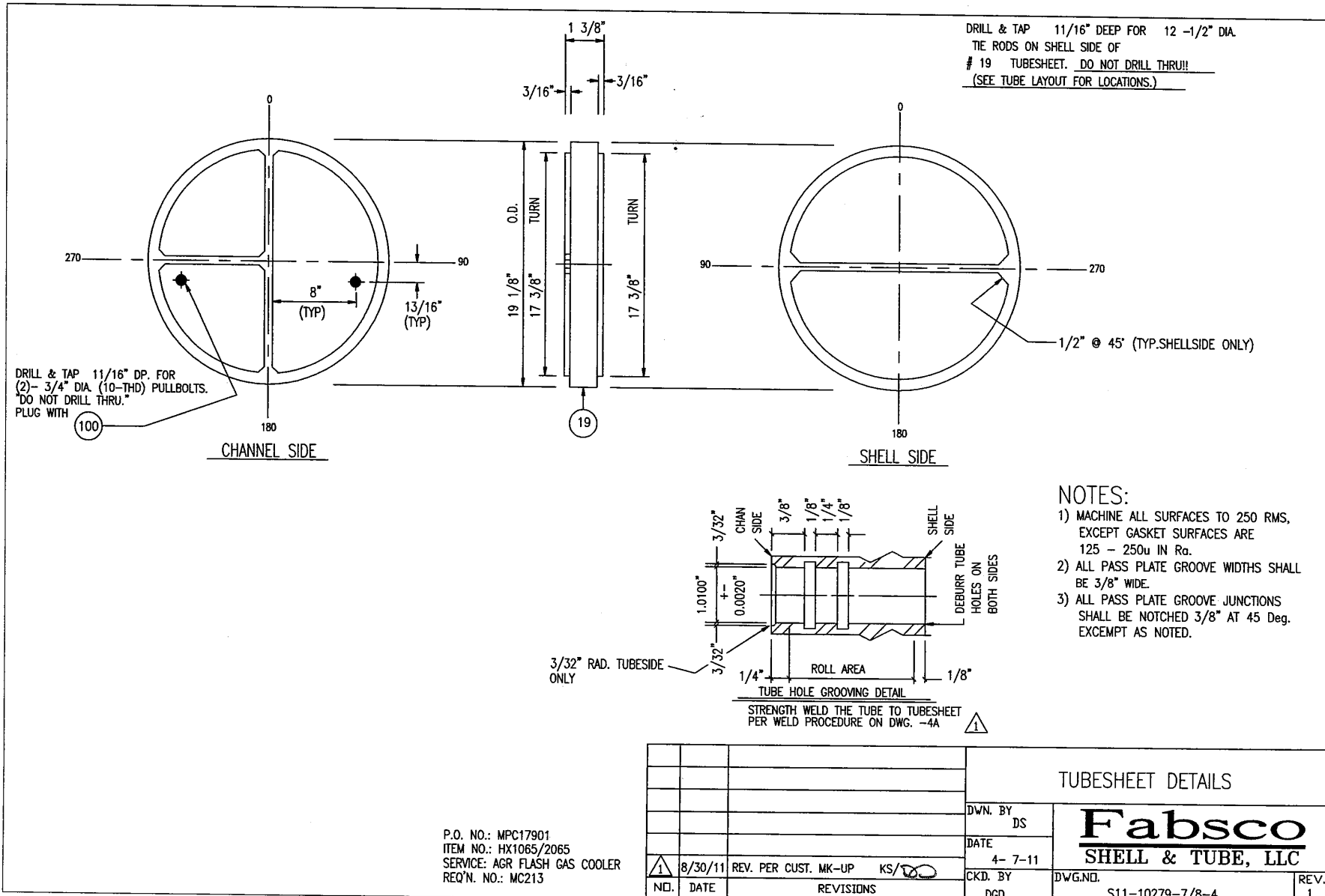
- 1) ALL WELDING TO BE IN ACCORDANCE W/ PROCEDURES ON DWG. -WM.
- 2) ALL BOLT HOLES TO STRADDLE CENTER LINES.
- 3) FOR WELD AND BEVEL DETAILS SEE DWG. 13
- 4) GRIND ALL INSIDE WELDS SMOOTH.
- 5) 100% RADIOGRAPHY.

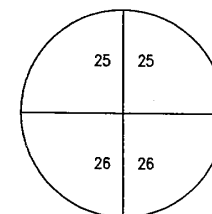
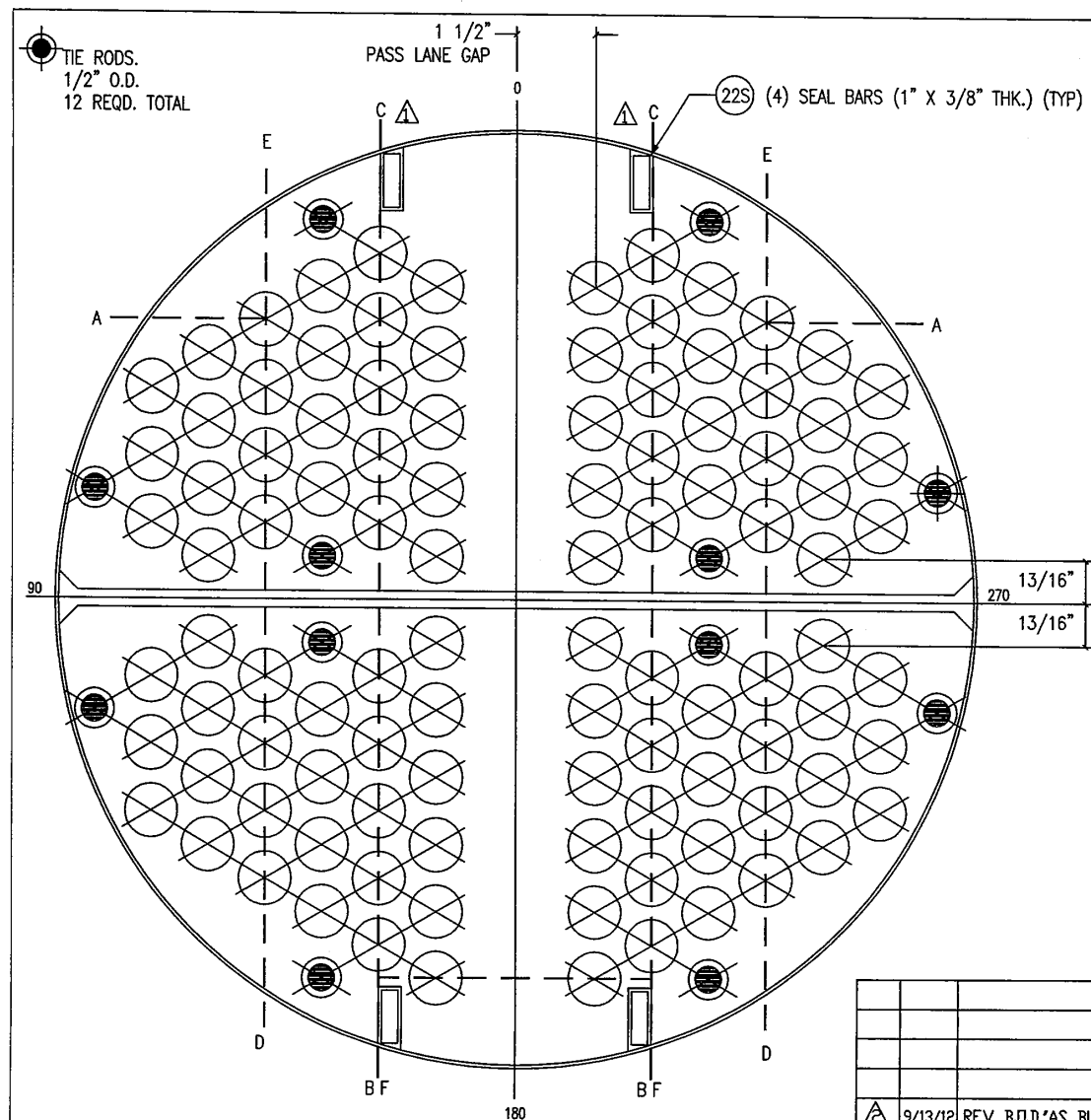
P.O. NO.: MPC17901
ITEM NO.: HX1065/2065
SERVICE: AGR FLASH GAS COOLER
REQ'N. NO.: MC213

			TWO-REQ'D.			
			FRONT CHANNEL DETAILS			
			DWN. BY DS		Fabsco SHELL & TUBE, LLC	
			DATE 4- 7-11			
			CKD. BY DGD		DWG.NO.	REV.
					S11-10279-7/8-2	1









TUBE DISTRIBUTION

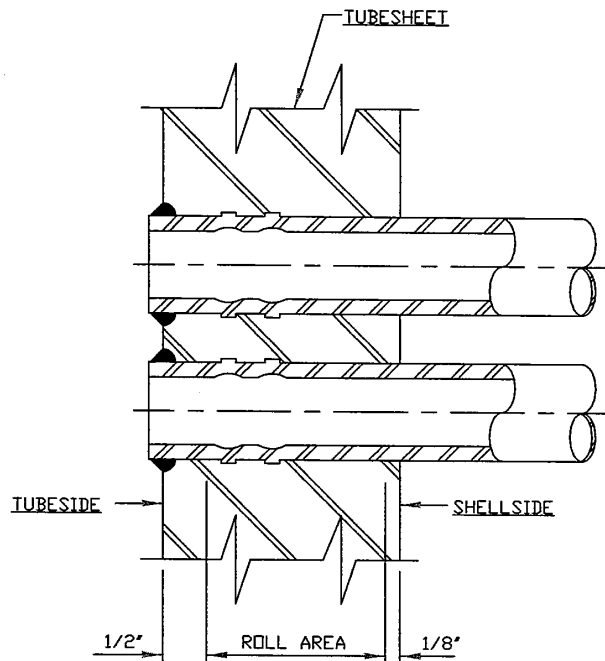
NOTES:

- 1) DRILL AND REAM TUBE HOLES IN TUBESHEETS TO 1.0100" $\pm$ 0.0020" DIA. FOR 51 - 1" O.D. U-TUBES. TOTAL HOLES = 102
- 2) TUBE PITCH = 1 1/4" ROT. TRIANGLE. (30°)
- 3) NUMBER OF PASSES = 4
- 4) SEE DRAWING 4 FOR TUBE GROOVING DETAILS.
- 5) BAFFLE O.D. = 17 3/16" Δ
- 6) O.T.L. = 16 15/16"

P.O. NO.: MOC17901
 ITEM NO.: HX1065/2065
 SERVICE: AGR FLASH GAS COOLER
 REQ'N. NO.: MC213

VIEW LOOKING AT SHELL SIDE OF NO. 19 TUBESHEET

			TUBE LAYOUT			
			DWN. BY DS		Fabsco SHELL & TUBE, LLC	
			DATE 4-7-11			
			CKD. BY DGD		DWG. NO. S11-10279-7/8-5	
					REV. 2	



NOTE: TUBES TO PROJECT $1/8" \pm 1/16"$ PRIOR TO WELDING.

PROCEDURE FOR STRENGTH WELDING TUBES

1. CHAMFER ALL TUBE HOLES $3/32"$ RADIUS ON TUBESIDE.
2. CLEAN ALL TUBES AND TUBE HOLES WITH NAPHTHA.
3. LIGHTLY EXPAND TUBES TO METAL CONTACT.
4. WELD TUBES TO TUBESHEET WITH A TWO (2) PASS WELD USING: T-189
DO NOT BURN END OF TUBES.
5. AFTER ALL TUBES HAVE BEEN WELDED AND PRIOR TO ROLLING, CHECK EACH TUBE WELD WITH DYE PENETRANT TEST.
7. AFTER STRENGTH WELD TEST, EXPAND TUBES TO PROPER AMOUNT STARTING $1/2"$ BEHIND STRENGTH WELD.
8. AFTER ALL TUBES HAVE BEEN ROLLED, CHECK EACH TUBE WELD WITH DYE PENETRANT TEST.
9. AIR AND SOAP TEST TUBE WELDS WITH 15 PSIG AIR PRESSURE ON SHELLSIDE.



P.O. NO. : MPC17901
ITEM NO. : HX 1065/2065
SERVICE : AGR FLASH GAS COOLER
REQ'N NO. : MC213

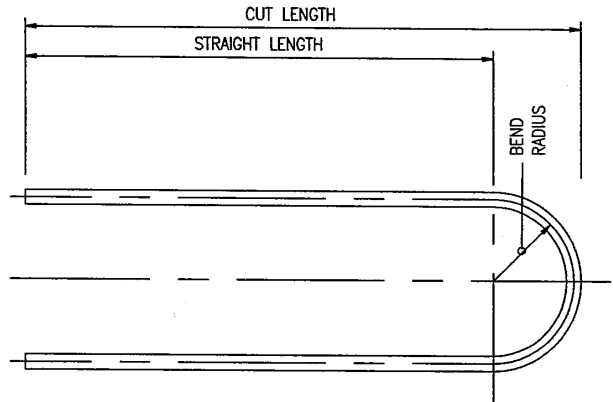
STRENGTH WELD DETAIL			
DWN. BY		KS	
DATE		8/31/2011	
CKD. BY		D. L. L. L.	
NO.		REV.	
DATE		1	
ADDED DETAIL DWG.		KS/11	
REVISIONS		S11-10279-7/8-4A	

Fabsco
SHELL & TUBE, LLC

DWG. NO. S11-10279-7/8-4A

REV. 1

ROW	NO.OF TUBES	BEND RADIUS	BEND DIAMETER	BEND LENGTH	STRAIGHT LENGTH	CUT LENGTH	DEVELOPED LENGTH
A	11	1 1/2"	3"	0'-4 3/4"	16'-0"	16'-2"	32'-4 3/4"
B	10	2 5/8"	5 1/4"	0'-8 1/4"	16'-0"	16'-3 1/8"	32'-8 1/4"
C	8	3 11/16"	7 3/8"	0'-11 5/8"	16'-0"	16'-4 3/16"	32'-11 5/8"
D	8	4 3/4"	9 1/2"	1'-2 15/16"	16'-0"	16'-5 1/4"	33'-2 15/16"
E	8	5 7/8"	11 3/4"	1'-6 1/2"	16'-0"	16'-6 3/8"	33'-6 1/2"
F	6	6 15/16"	13 7/8"	1'-9 13/16"	16'-0"	16'-7 7/16"	33'-9 13/16"



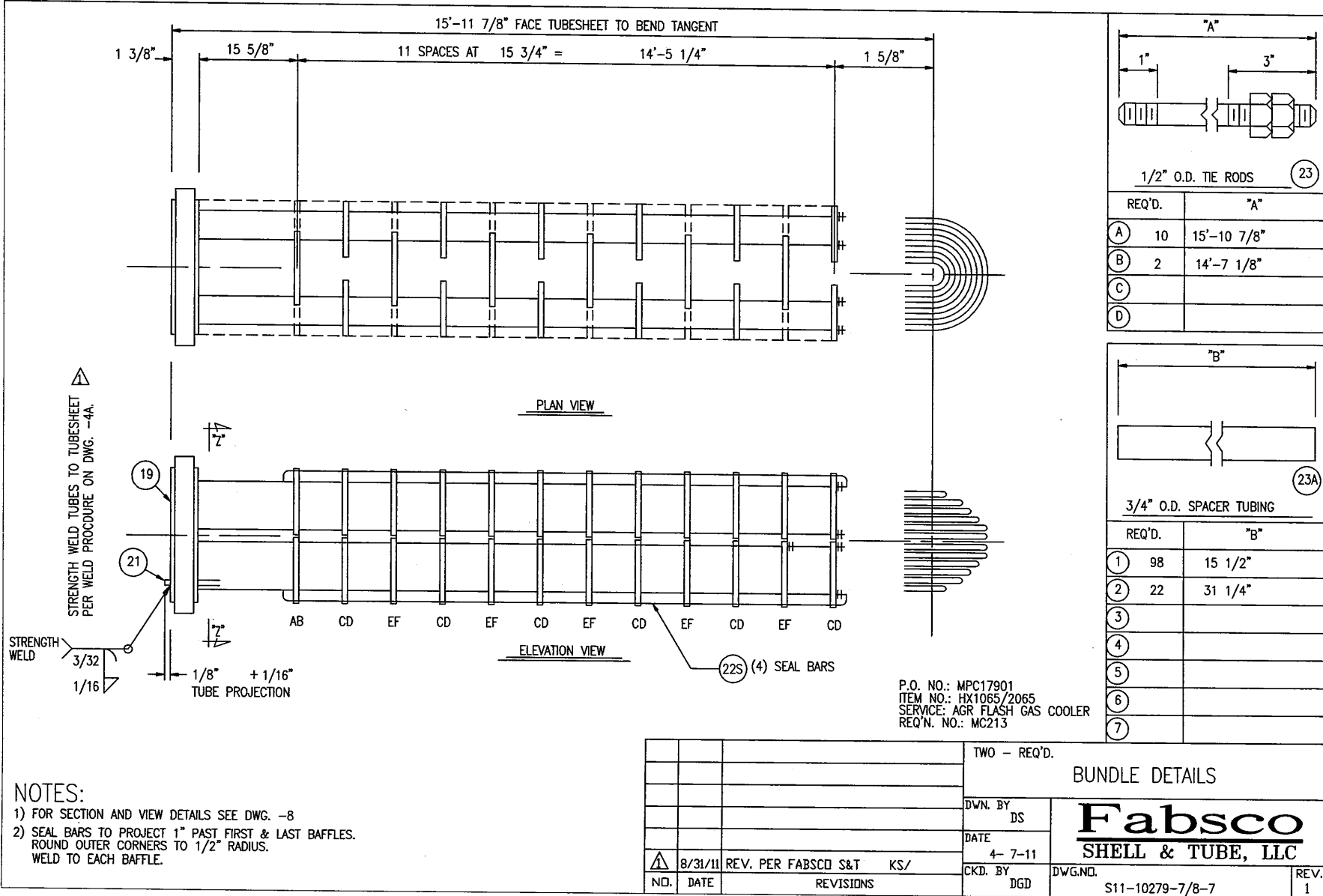
TOTAL NO. REQUIRED: 51
 SIZE: 1" O.D. X .091" AVG
 MATERIAL: SA-213TP304L

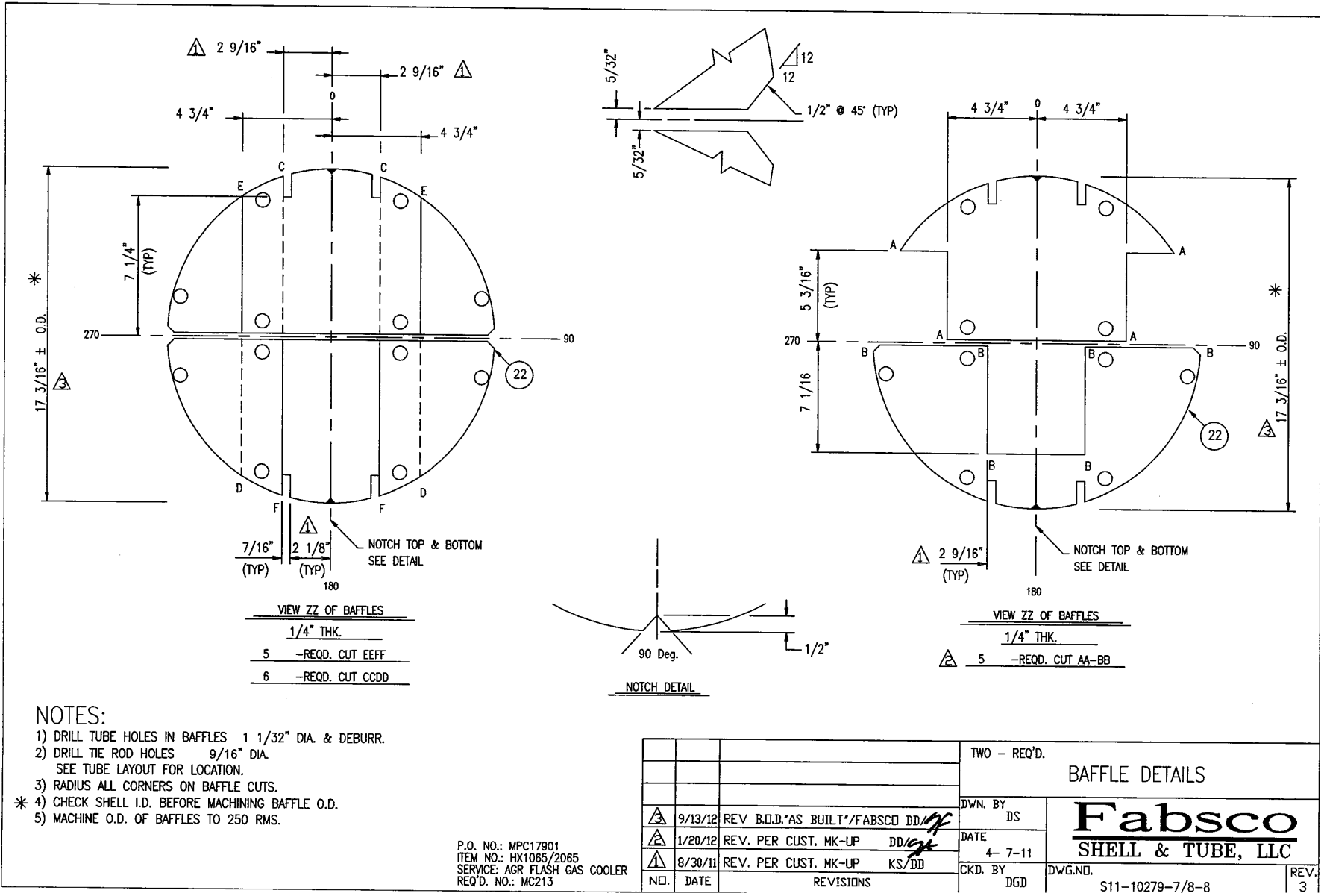
MAXIMUM OUT-OF-ROUNDNESS OF TUBES AT
 U-BENDS NOT TO EXCEED 10%.

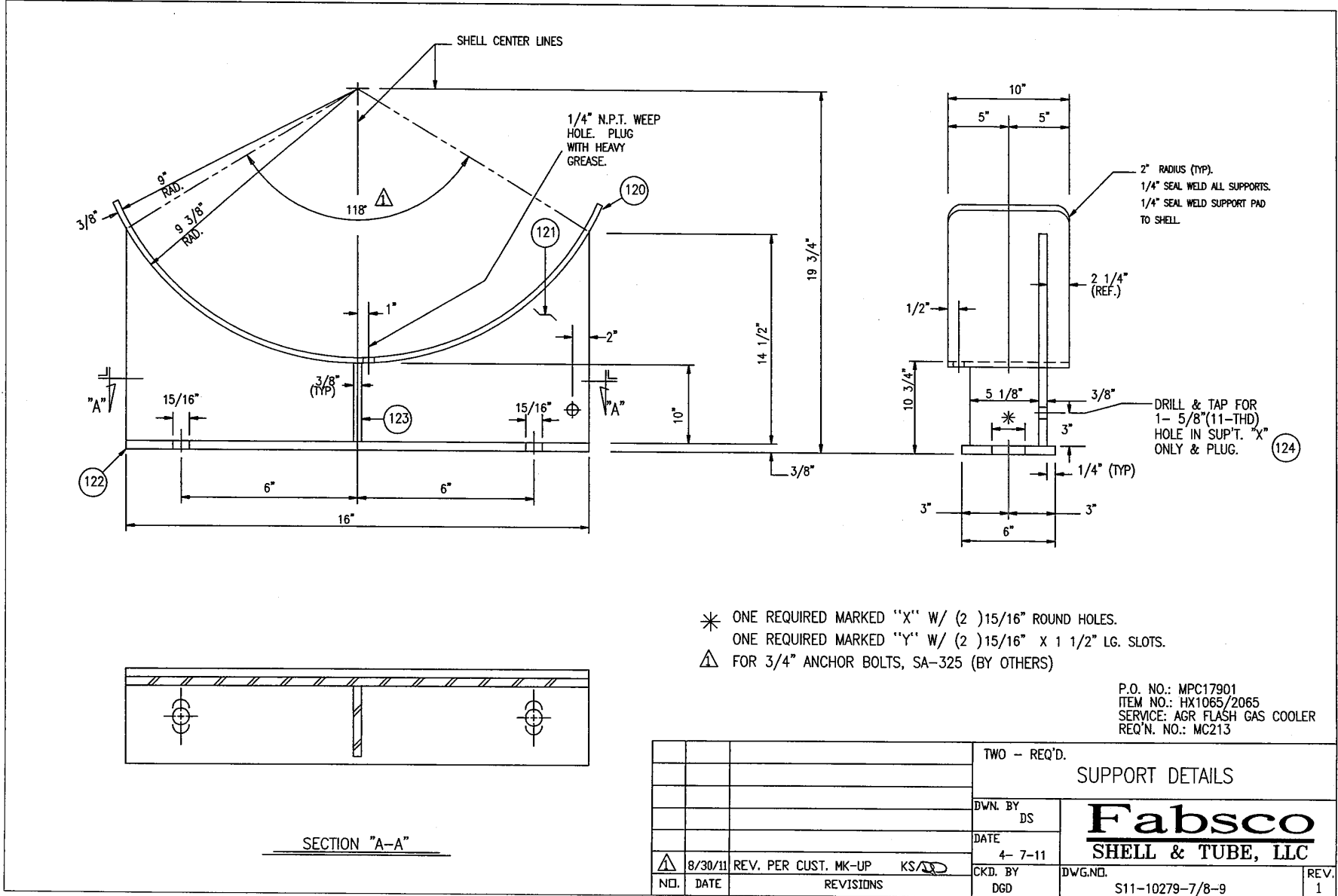
QUANTITIES SHOWN ARE FOR
 ONE SET OF U-TUBES,
 2 -SET REQ'D. TOTAL.

P.O. NO.: MPC17901
 ITEM NO.: HX1065/2065
 SERVICE: AGR FLASH GAS COOLER
 REQ'N. NO.: MC213

			TUBE BENDING SCHEDULE	
			DWN. BY DS	Fabsco SHELL & TUBE, LLC
			DATE 4- 7-11	
			CKD. BY Dop	
NO.	DATE	REVISIONS	DWG.NO. S11-10279-7/8-6	
			REV. 0	



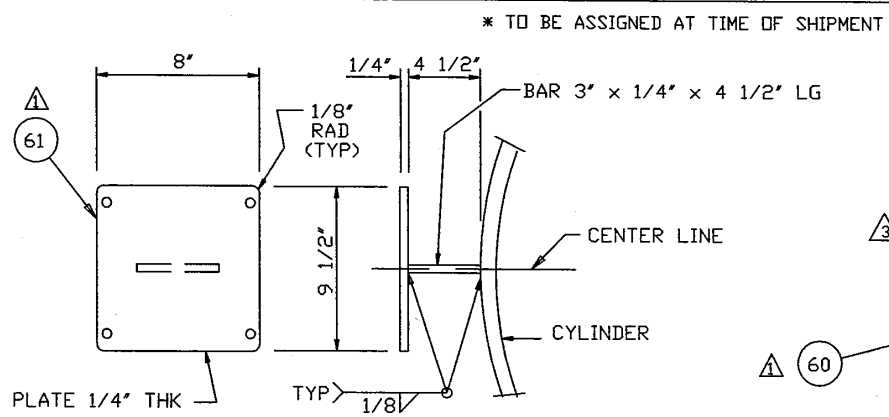




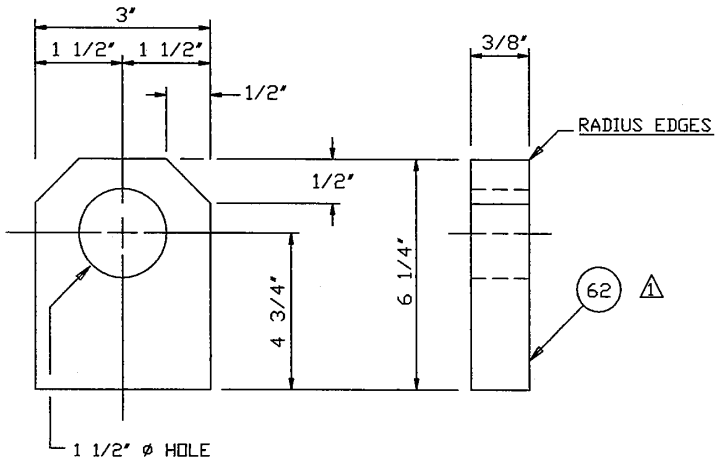
* ONE REQUIRED MARKED "X" W/ (2)15/16" ROUND HOLES.
ONE REQUIRED MARKED "Y" W/ (2)15/16" X 1 1/2" LG. SLOTS.
△ FOR 3/4" ANCHOR BOLTS, SA-325 (BY OTHERS)

P.O. NO.: MPC17901
ITEM NO.: HX1065/2065
SERVICE: AGR FLASH GAS COOLER
REQ'N. NO.: MC213

				TWO -- REQ'D.		SUPPORT DETAILS	
				DWN. BY DS		Fabsco SHELL & TUBE, LLC	
				DATE 4- 7-11			
	8/30/11	REV. PER CUST. MK-UP	KS		CKD. BY DGD	DWG.NO.	REV.
NO.	DATE	REVISIONS				S11-10279-7/8-9	1



NAME PLATE BRACKET DETAIL
(ONE) REQUIRED



LIFTING LUG DETAIL
2-REQUIRED

P.D. NO.: MPC17901
ITEM NO.: HX1065/2065
SERVICE: AGR FLASH GAS COOLER
REQ'N. NO.: MC213

MATERIAL: 18-8 STN. STL.(16 GA)

U

NAT'L BD. *

CERTIFIED BY
FABSCO SHELL & TUBE, LLC
PLANT *, SAPULPA, OKLAHOMA

	MAWP		MAWT	
SHELL	180	PSI AT	290	° F.
	MAEWP		MAWT	
SHELL	N/A	PSI AT	N/A	° F.
	MDMT		MAWP	
SHELL	10	° F. AT	180	PSI
	MAWP		MAWT	
TUBES	150	PSI AT	200	° F.
	MAEWP		MAWT	
TUBES	N/A	PSI AT	N/A	° F.
	MDMT		MAWP	
TUBES	10	° F. AT	150	PSI

SERIAL NUMBER
S11-10279-*

YEAR BUILT
2012

ITEM/TAG NUMBER
**

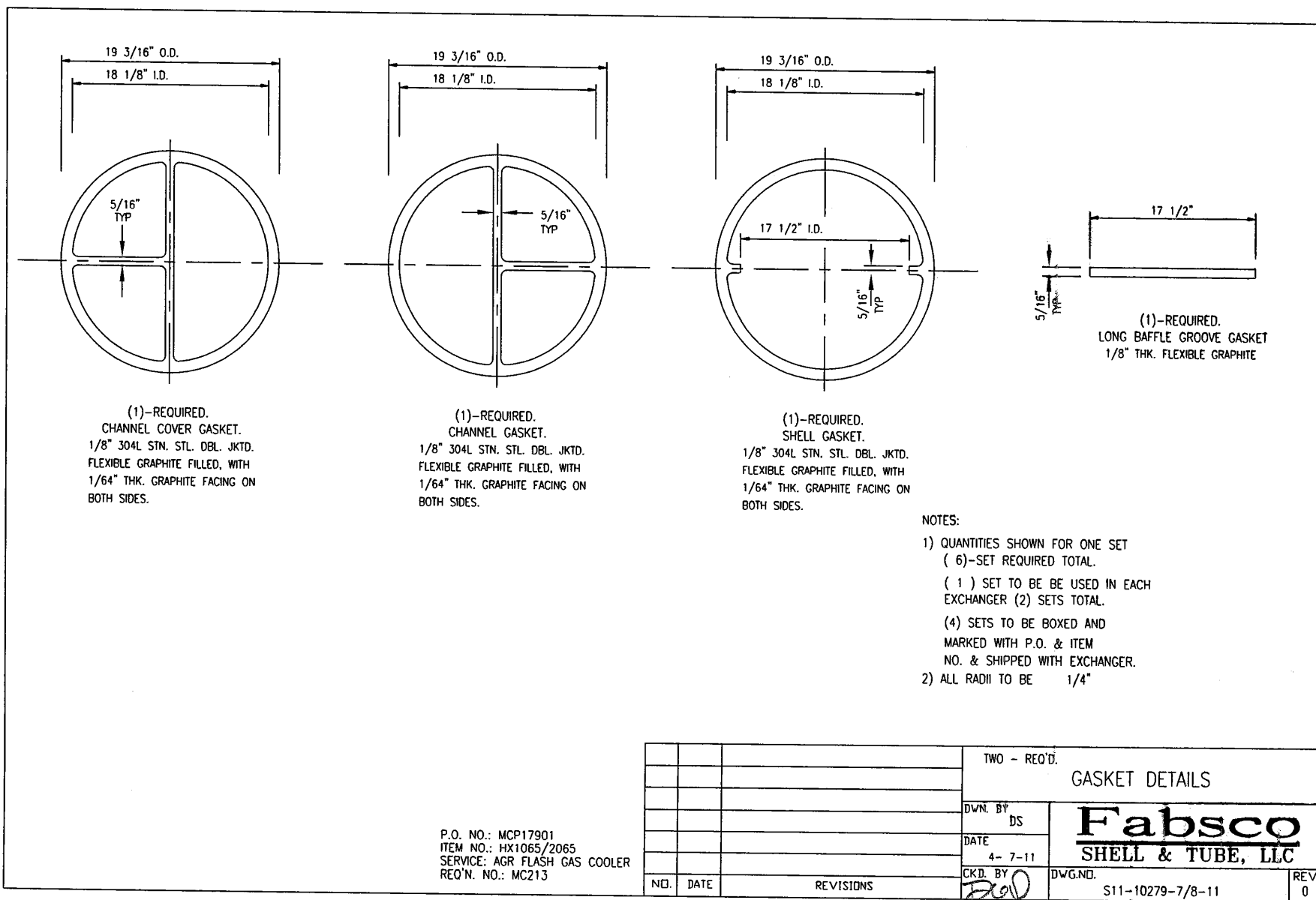
TEST PRESSURE (SHOP): SHELL- 234 P.S.I. ; TUBES- 195 P.S.I.

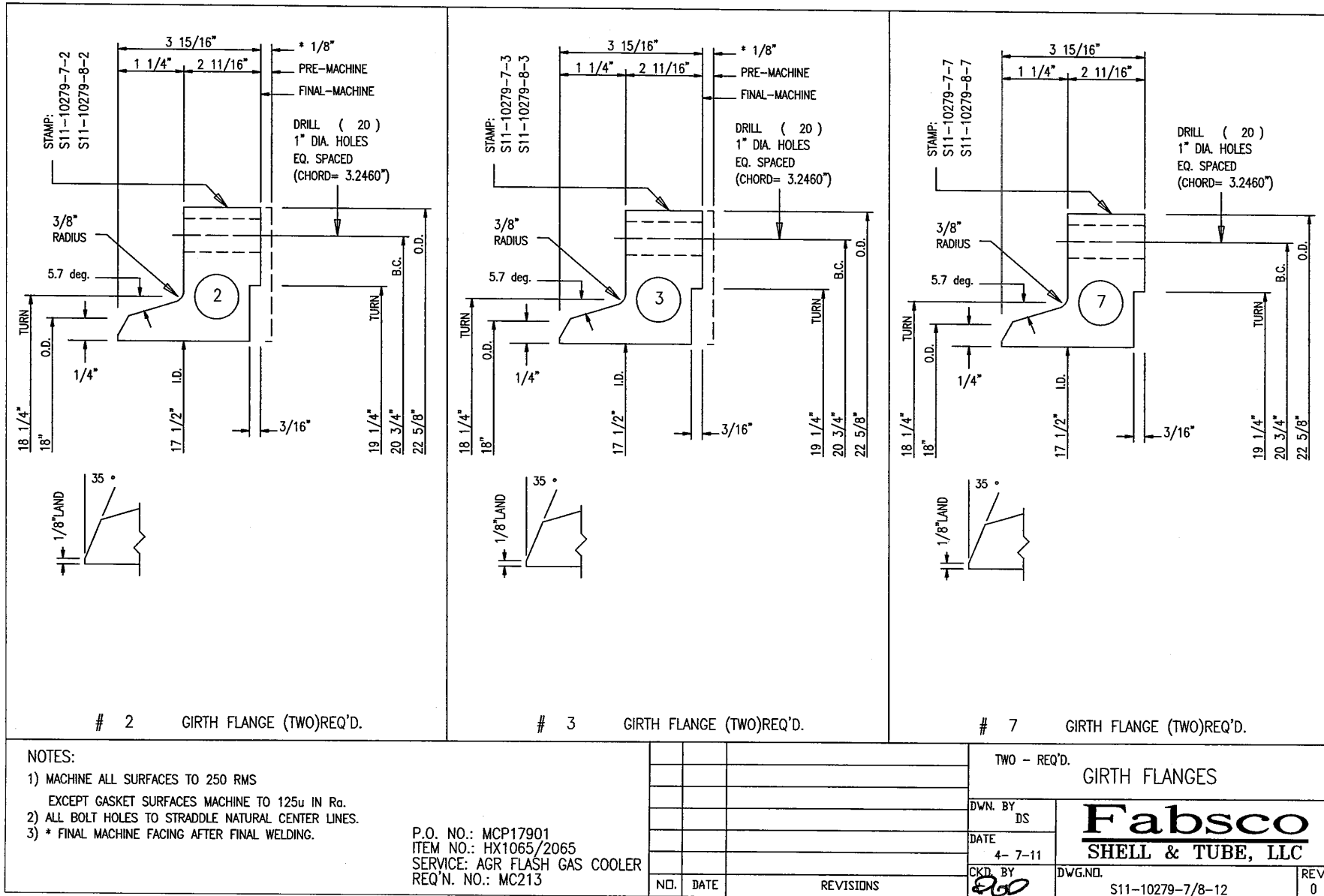
SERVICE: AGR FLASH GAS COOLER P.D. NO.: MPC17901

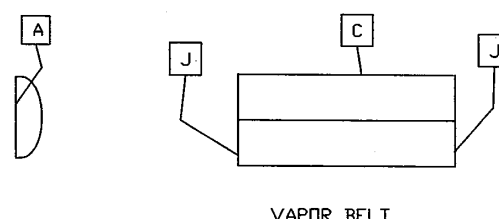
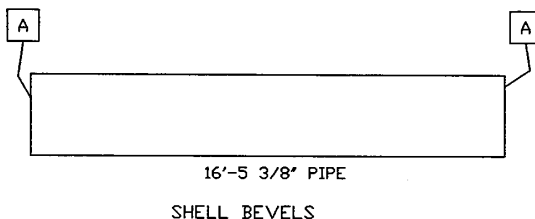
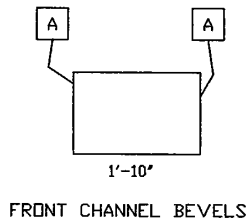
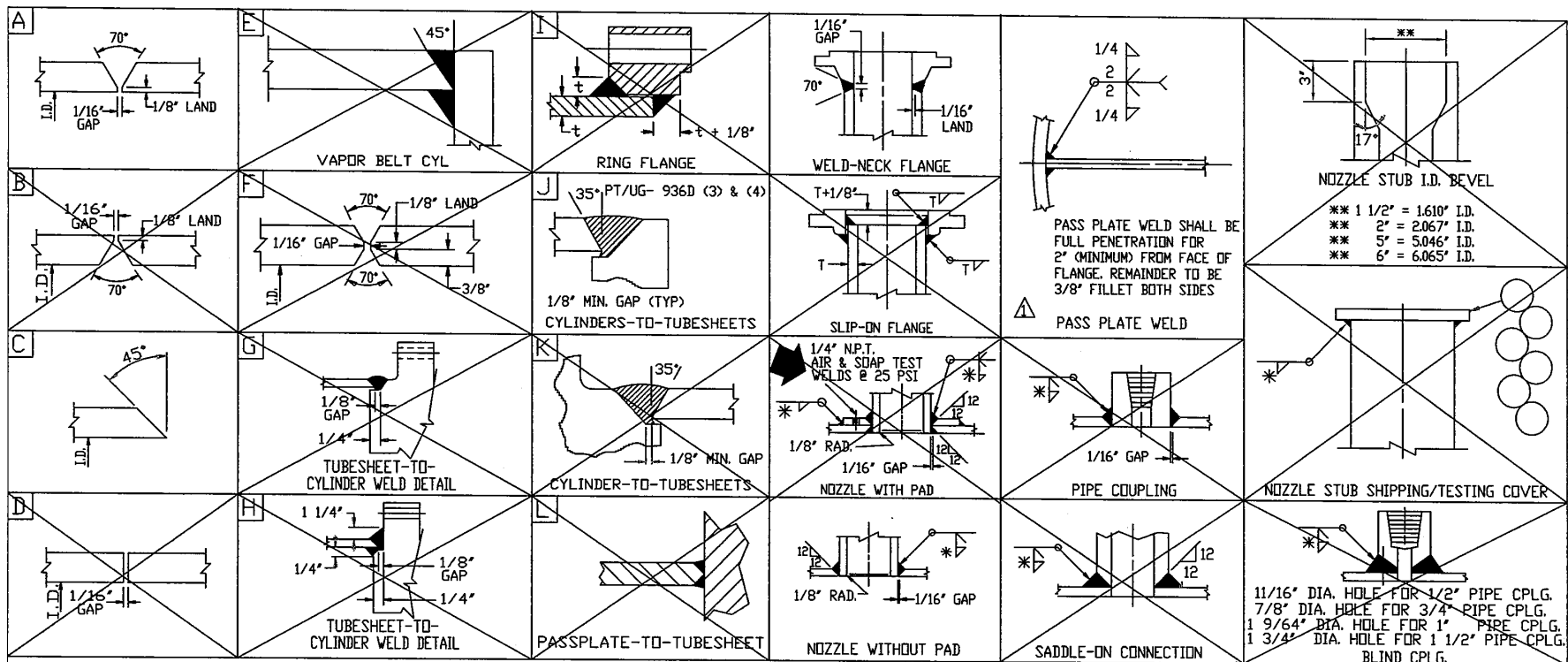
* SERIAL NO.	ITEM NO.	AREA
S11-10279-7	HX1065	130
S11-10279-8	HX2065	230

TWO-REQ'D.

			LIFT LUG DETAIL w/ NAME PLATE & BRACKET			
			DWN. BY		Fabsco SHELL & TUBE, LLC	
			AC			
			DATE			
			4/7/11			
			CKD. BY		DWG. NO.	
			DGD		S11-10279-7/8-10	
			REV. 3			







11/16" DIA. HOLE FOR 1/2" PIPE CPLG.
 7/8" DIA. HOLE FOR 3/4" PIPE CPLG.
 1 9/64" DIA. HOLE FOR 1" PIPE CPLG.
 1 3/4" DIA. HOLE FOR 1 1/2" PIPE CPLG.
 BLIND CPLG.

P.O. NO: MCP17901
 ITEM NO: HX1065/2065
 SERVICE: AGR FLASH GAS COOLER
 REQ'N: MC213

- GENERAL NOTES:
- 1) ALL WELDING SHALL BE IN ACCORDANCE WITH ASME CODE (SECTION IX).
 - 2) ALL FILLET WELDS SHALL BE 3/8", UNLESS NOTED OTHERWISE.
 - 3) LIFTING LUGS SHALL HAVE A 3/8" CONTINUOUS FILLET WELD, UNLESS NOTED OTHERWISE.
 - 4) FOR LONG BAFFLE WELD DETAIL, SEE DWG. -3

WELD & BEVEL DETAILS			
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MK.NO.	QUAN.	DESCRIPTION	MATERIAL	SUPPLIER	P.O. NO.	DUE
21	102	TUBES 1" O.D.X 0.0910 THK avg PER BEND SCHEDULE	SA-213TP304L			
		FORGED RING MATERIAL				
2	2	FLG 22 5/8" O.D.X 17 1/2" I.D.X 3 15/16" THK (f)	SA-965-F304L			
3	2	FLG 22 5/8" O.D.X 17 1/2" I.D.X 3 15/16" THK (f)	SA-965-F304L			
7	2	FLG 22 5/8" O.D.X 17 1/2" I.D.X 3 15/16" THK (f)	SA-965-F304L			
		TUBESHEETS & COVERS				
19	2	TUBESHEET 19 1/8" O.D.X 1 3/8" THK (f)	SA-240-304L			
1	2	COVER 22 5/8" O.D.X 1 3/4" THK (f)	SA-240-304L			
		BAFFLES				
22	24	BAFFLES PER DWG. -8	SA-240-304L			
22A	2	PL 17 3/8" X 1/4" X 16'-3" LG LONG BAF.	SA-240-304L			
		HEADS				
18	2	ELLIP HD. 18" O.D.X 3/16" THK(min) W/2" SF	SA-240-304L			
9B	4	VAPOR BELT END PLATE: 24"O.D. X 18 1/8" I.D. X 3/4" THK.	SA-240-304L			
		CYLINDERS				
9	2	SMLS.PIPE 18" X(0.2500" Sch10)X 16'-5 3/8" LG.	SA-312TP304L			
9A	2	SMLS.PIPE 24" X(0.2500" Sch10)X 1'-4 1/4" LG.	SA-312TP304L			
4	2	SMLS.PIPE 18" X(0.2500" Sch10)X 1'-10" LG.	SA-312TP304L			
		NOTES:				
		1) ALL WELD BEVELS PER WELD & BEVEL DETAIL DWG ATTACHED.				
		2) ALL FORMED HEADS TO BE IN ACCORDANCE WITH UCS-79.				
		3) ALL COLD FORMED PRESSURE PARTS, INCLUDING BUT NOT LIMITED TO CYLINDERS & HEADS, TO BE CERTIFIED AS REQ'D. BY ASME SECTION VIII, DIV. 1, para. UG-79(c).				
		4) 125-250u IN RaFINISH ON GASKET SURFACES.				
		5) QUANTITIES SHOWN ARE FOR TWO EXCHANGERS.				
CUSTOMER: SOUTHERN COMPANY GENERATION						
P.O. NO.: MPC17901			REQ'N. NO.: MC213			
ITEM NO.: HX1065/2065			SERVICES: AGR FLASH GAS COOLER			
			BILL OF MATERIAL			
			DWN. BY DS			
			DATE 4/12/11			
			Fabsco SHELL & TUBE, LLC			
8/30/11	REV. PER CUST. MK-UP	KS/DA	CKD. BY DGD	DWG. NO. S11-10279-7/8-14	REV. 1	
NO.	DATE	REVISIONS				

Kemper County MM233797

Kemper County MM233797

