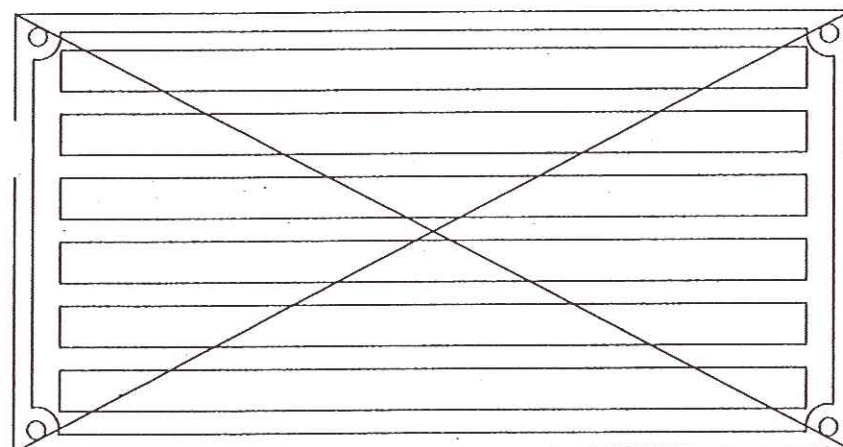


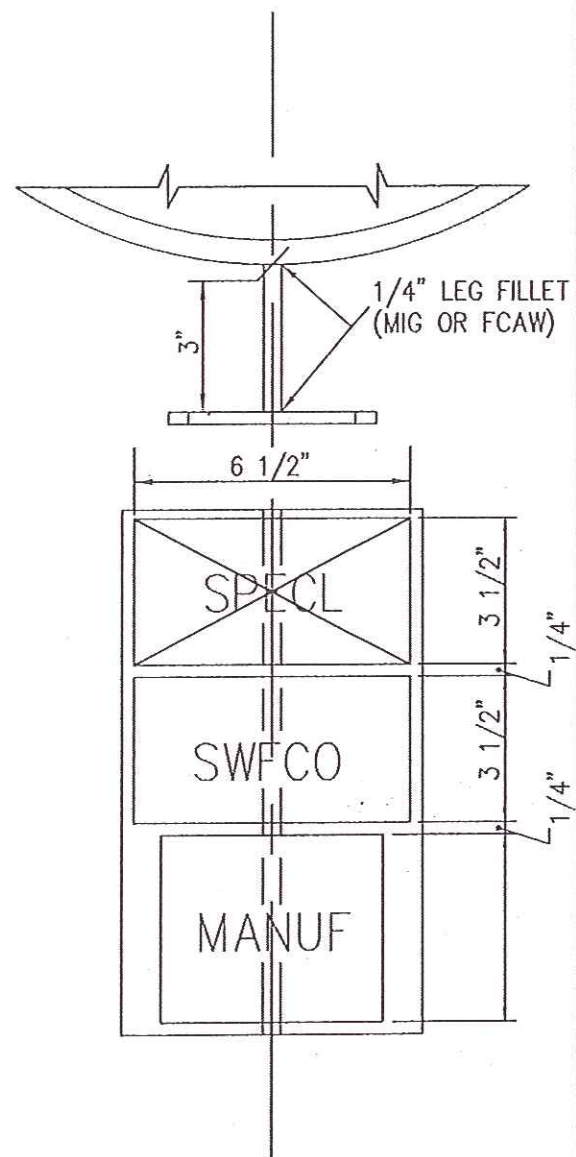
105801

SWFCO N/PL.

SOUTHWEST FILTER COMPANY TULSA, OKLA.	
CAPACITY	358,352 LB/HR
DESIGN PRESS.	225 PSIG/FV
DESIGN TEMP.	200°F/366°F
SERIAL NUMBER	*
DATE	2007
MODEL	241VF
FILTER	



SPECIAL N/PL.



* SERIAL NO.:	ITEM NO.:
3251	J-677A
3252	J-677B

CERTIFIED
AS BUILT
SOUTHWEST FILTER COMPANY
BY WFB DATE 8/20/07

TITLE: NAMEPLATE & BRACKET FILL-IN

SOUTHWEST FILTER COMPANY, TULSA, OKLAHOMA

DRAWN:	DATE:
MWM	2-5-07
CHECKED:	DATE:
<u>WFB</u>	2/6/07
DRAWING NO.:	REV. 0
A-10608	SHT. 103

105801

U W RT2	* CERTIFIED BY VERNON MFG. CO. TULSA, OKLAHOMA		
	207 PSIG M.A.W.P.	AT	200°F MAX. TEMP.
	0°F MIN. DESIGN METAL TEMP.	AT	207 PSIG
	LATER MFG. SER. NO.		2007 YEAR BUILT
	.328 MIN. HD. TH'K.	.375 SHELL TH'K.	.125 CORR. ALLOW.
	** SERVICE		
	P.O. NO.: 56603-P-13-19		

* NATIONAL BOARD NUMBER TO BE PROVIDED LATER.

** ITEM NO.:

J-677A
J-677B

CERTIFIED
AS BUILT
SOUTHWEST FILTER COMPANY
BY WFB DATE 8/20/07

R. 1 REVISED MANUFACTURER. (MWM) 5-16-07 duy

FILE:

ASME NAMEPLATE FILL-IN

SOUTHWEST FILTER COMPANY, TULSA, OKLAHOMA

DRAWN: MWM	DATE: 2-5-07
CHECKED: <u>WFB</u>	DATE: 2/6/07
DRAWING NO.: A-10608	REV. 1 SHT. 104

105801

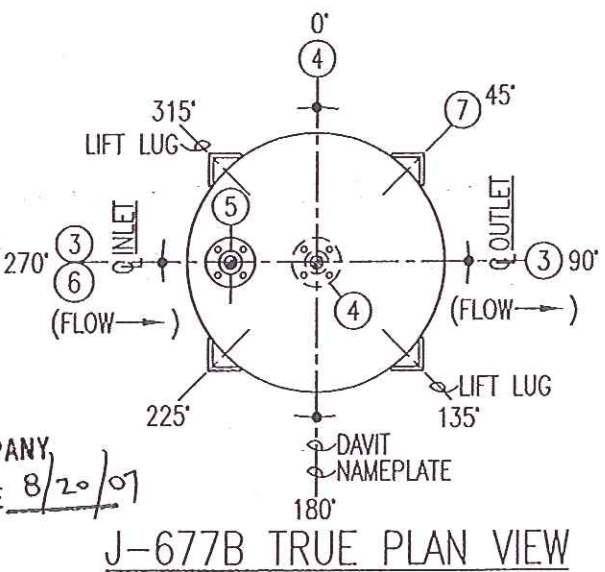
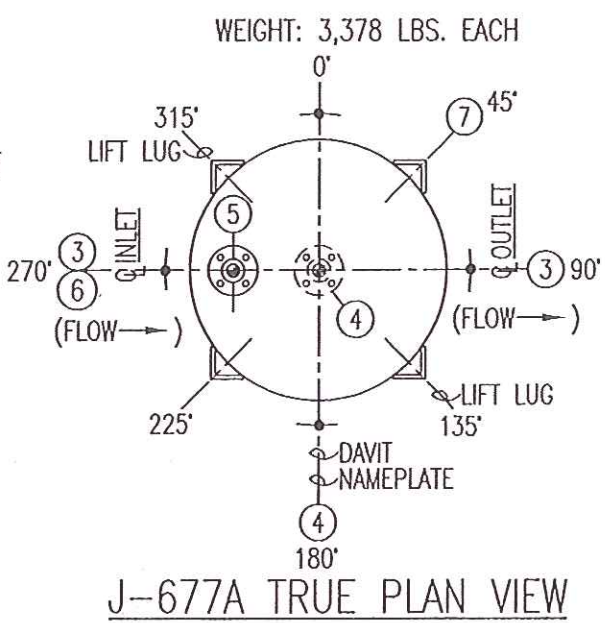
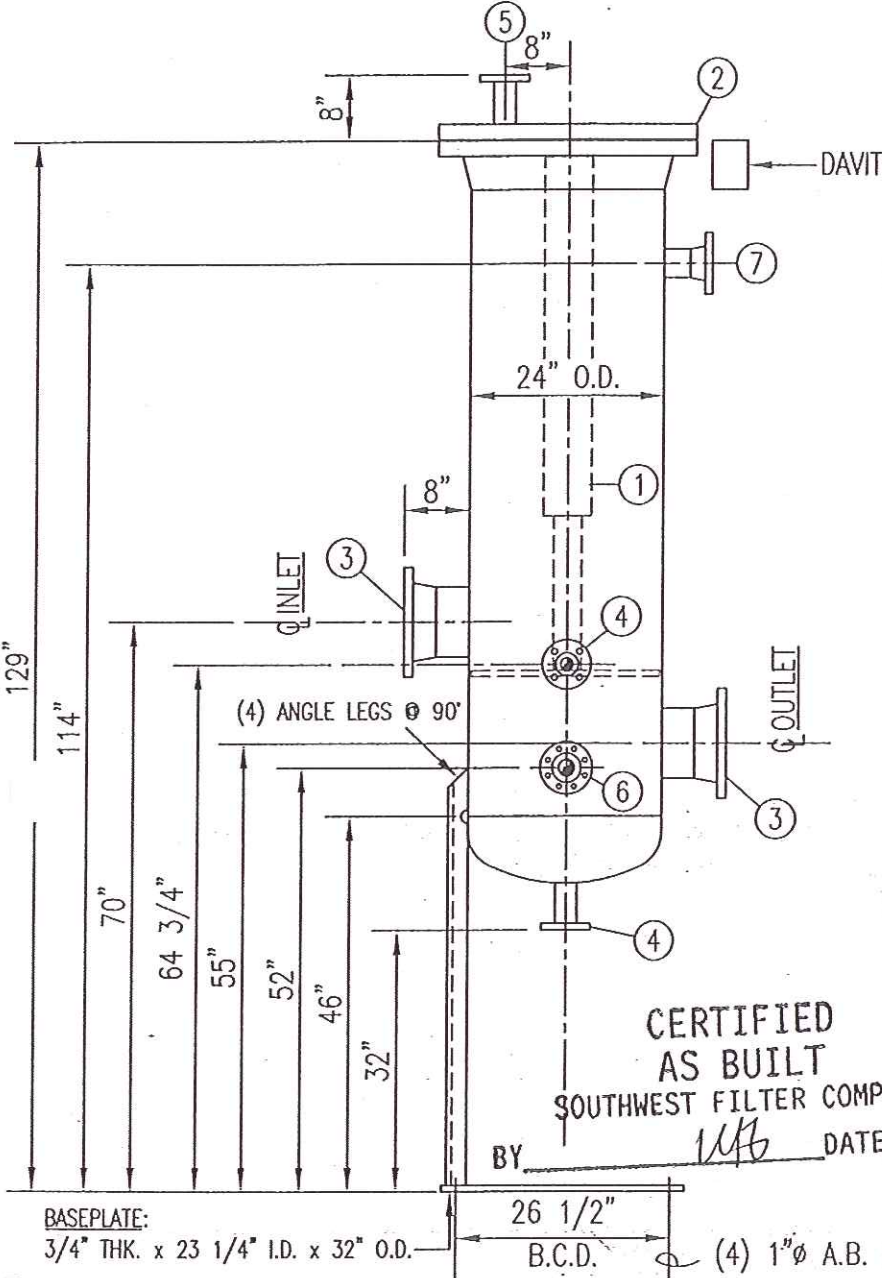
1119		
VERMONT MFG CO		
LAHOMA		
W	207 PSIG	200
RT2	207	207
MIN. DESIGN METAL TEMP.		
072130-4 2007		
MFG. SER. NO.		
328	375	125
MIN. THICK. SHIP. CORR. ALLOW.		
ITEM J-677B		
SERV.		
P.O. 56603-P-13-19		

105801

CAPACITY		358,352 LB/HR		DESIGN PRESS		SERIAL NUMBER		MODEL	
225 PSIG/EV		3252		241 VF		200 F/366 F		2007	
200 F/366 F		2007		DESIGN TEMP		DATE		FILTER	
SOUTHWEST FILTER COMPANY									
TULSA, OKLA.									

105801

D-COK, P.O. NO.: 56603-P-13-19, ITEM NOS. J-677A/B, FEED FILTERS, (2 UNITS),
 ASME DESIGN & STAMP FOR 225 PSIG/FV @ 366°F MDMT 0°F/200°F w/.125" C.A., PWHT - NO, PMI - NO,
 RADIOGRAPH - RT2, UT,MT,PT - NO, IMPACTS - NO, INSULATION SUPPORTS - NO, DAVIT - YES, LIFT LUGS - YES,
 EXTERIOR - SP10, INORGANIC ZINC, 2-3 MILS D.F.T.,
 LL - 24" SCH. STD (.375"WALL) SA106-C, HEAD - .328"MIN. 2:1 ELLIP. SA516-70



① (6) FPP-644-20CE FILTER ELEMENTS ELEVATION VIEW

② 24" - 150# RFWN w/BLIND, BOLTING & GASKET

③ 8" - 150# RFWN IN & OUT NOZZLES

④ 1 1/2" - 300# RFLWN DRAIN NOZZLES

⑤ 1 1/2" - 300# RFLWN VENT NOZZLE

⑥ 2" - 300# RFLWN STEAMOUT NOZZLE

⑦ - 150# RFWN RV NOZZLE

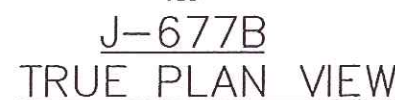
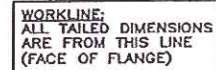
NOTE: MAWP IS 207 PSIG @ 366°F.
 (KEEP DAVIT 90° - 180° OPPOSITE OF ANY NOZZLE LOCATED ON CLOSURE END OF VESSEL)

REV. 5 CHANGED PER CUSTOMER COMMENT. (MWM) 6-19-07
 REV. 4 CHANGED PER CUSTOMER COMMENT. (MWM) 1-24-07
 REV. 3 CHANGED PER CUSTOMER COMMENT. (MWM) 12-15-06
 REV. 2 ADDED P.O. NO. & PLAN VIEW. (MWM) 10-20-06
 REV. 1 REVISED RV NOZZLE RATING. (MWM) 9-29-06

MODEL 241VF FILTER

SOUTHWEST FILTER COMPANY, TULSA OKLAHOMA

DRAWN:	DATE:
MWF	8-1-06
CHECKED:	DATE:
MWF	8/2/06
	REV. 5
DRAWING NO.:	
A-10608	SHT. 100



CERTIFIED
AS BUILT
SOUTHWEST FILTER COMPANY
BY WFB DATE 8/20/07

BILL OF MATERIAL FOR ONE VESSEL				
ITEM NO.	QTY.	DESCRIPTION -- PART	MATERIAL	HEAT NO.
1	1	HEAD: 24" OD (238" ID) 21 BLIP, 9/8" S.F.	SA101-70	
2	1	SHELL: 24" SCH STD(275" WALL) x 7' L.A.	SA106-C	
4	1	FLANGE: 24" - 150# RFTH (SCH STD206)	SA105	
5	1	FLANGE: 24" - 150# RF BLIND	SA105	
6	2	FLANGE: 8" - 150# RFTH (SCH XX BORE)	SA105	
7	1	FLANGE: 3" - 150# RFTH (SCH 180 BORE)	SA105	
8	1	FLANGE: 2" - 300# RFTH x 8" L.A.	SA105	
9	3	FLANGE: 1 1/2" - 300# RFTH x 8" L.A.	SA105	
11	2	PIPE: 8" SCH 10(200" WALL) x 6" L.A.	SA106-C	
12	8	PIPE: 3" SCH STD(218" WALL) x 21 1/4" L.A.	SA106-B	
13	1	PIPE: 3" SCH 180(238" WALL) x 8" L.A.	SA106-C	
14	1	PIPE: 2 1/2" SCH STD(203" WALL) x 17" L.A.	SA106-B	
15	1	PIPE: 2 1/2" SCH STD(203" WALL) x 8" L.A.	SA106-B	
16	1	PIPE: 2" SCH STD(154" WALL) x 49" L.A.(240") (2ND EXTN)	SA106-B	
18	1	PLATE: 3/4" THK x 23 1/4" D x 32" OD	SA101-70	
19	1	PLATE: 3/4" THK x 23" OD (FILTER PLATE)(TOP FROM 15)	SA101-70	
20	2	PLATE: 3/4" THK x 6" WIDE x 8" L.A.	SA101-70	
21	1	PLATE: 1/2" THK x 1 1/8" WIDE x 1 8/16" L.A.	SA101-70	
22	1	PLATE: 1/2" THK x 5 8/16" WIDE x 8" L.A.	SA101-70	
23	8	PLATE: 1/2" THK x 3 8/16" L.A. x 8" O.D.	C.S.	
24	4	ANGLE: 2 1/2" x 3 1/2" x 1/4" x 63" L.A.(APPROX)(TOP TO DETAIL)	SA36	
25	3	GRATE: 24"-180# RF, 1/8" THK, RFTH, WELD W/240# FIBER WIRE	NON-ABRASIVE FILLER	
27	20	STUD BOLT: 1 1/4" x 7" L.A.	SA163-27	
28	40	HEAVY HEX NUT: 1 1/4"	SA164-28	
29	2	WASHER/PLATE: (1) 8/16" x (1) 1/4" W/1/4" x 1/4" W/1/4"	SA36	
30	1	ROUND BAR: 3/8" x 8" L.A.	SA36	
31	1	EYE BOLT: 3/8" x 1 1/2" C/E W/8" THRO x 2 NUTS / 1 WASHER	SA36	
32	2	GRASSIE FITTING	S.S.	
34	8	ANGLE: 1 1/2" x 1 1/2" x 1/4" x 40" L.A.	SA36	
35	8	STUD BOLT: 1 1/4" x 8" L.A.	S.S.	
36	12	HEAVY HEX NUT: 1 1/2"	C.S.	

BILL OF MATERIAL FOR (1) VESSEL
(2) REQUIRED.

WPS. NO.: G/A-13-4

WPS. NO.: F-15-9

C	CLOSURE	24"	150#	RFLWN			I		SWBJ												W/ BLIND,BOLT & GASKET
N6	RV	3"	150#	RFLWN			8"	I	II	SWBJ			3/8"	⊙							
N5	STEAMOUT	2"	300#	RFLWN		GRND FLUSH	8"		II				3/8"	⊙							
N4	VENT	1.5"	300#	RFLWN		BEE DETAIL	BEE DETAIL			BEE DETAIL			3/8"	⊙							
N3B	DRAIN	1.5"	300#	RFLWN		BEE DETAIL	8"			BEE DETAIL			3/8"	⊙							
N3A	DRAIN	1.5"	300#	RFLWN		GRND FLUSH	BEE ELVNT.			II			3/8"	⊙							
N2	OUTLET	8"	150#	RFLWN		FLUSH	8"	I	II	SWBJ	⊙		3/8"	⊙							
N1	INLET	8"	150#	RFLWN		GRND FLUSH	8"	I	II	SWBJ	⊙		3/8"	⊙							
		IN	LBS		THK x O.D.	IN	IN					LEG FILET		LEG FILET							
						INSIDE	OUTSIDE		WELD DETAIL DRAWING	TYPE	WPS NO.	SIZE/TYPE	WPS NO.	SIZE/TYPE	WPS NO.	SIZE/TYPE	WPS NO.	TYPE	WPS NO.	SET BACK	
ITEM	SERVICE	SIZE	RATING	TYPE	REPAD	FRACTION I	FRACTION II		WELD "A"		WELD "B"		WELD "C"		WELD "D"		WELD "E"		DIMENSION "F"	REMARKS	

NOTES:
NATIONAL BOARD REGISTRATION REQUIRED: ☐ YES ☐ NO

1. THIS VESSEL IS DESIGNED AND BUILT IN ACCORDANCE WITH ASME SECTION VIII DIVISION 1 2004 EDITION & 2006 ADDENDUM - SEWER REQUIRED.

2. RADIOGRAPHIC SPOT ON B1 & P22.

R/T2

3. M.A.W.P. 207 PSIG @ 200' F WITH "125"

4. TEST PRESS.: 229 PSIG ; W.O.U.T. @ "F"

5. P.W.O.D. 102

6. S.B. & PAINT: P210, COORDINATE 11, 2-3 MILS D.P.T. CARBONACEOUS S.S. 3 MILS D.P.T. W.O.U.T. GRT.

7. REFERENCE DRAWINGS:

DRAWING NO.	DESCRIPTION
A-1000A ENH. 102	DETAILS
A-1000A ENH. 103	SPRIND FLANGEPLATE
A-1000A ENH. 104	MANUFACTURER FLANGEPLATE
A-1000A ENH. 200	U-43 CALCULATIONS
A-1000A ENH. 1-20	ASME CODE CALCULATIONS

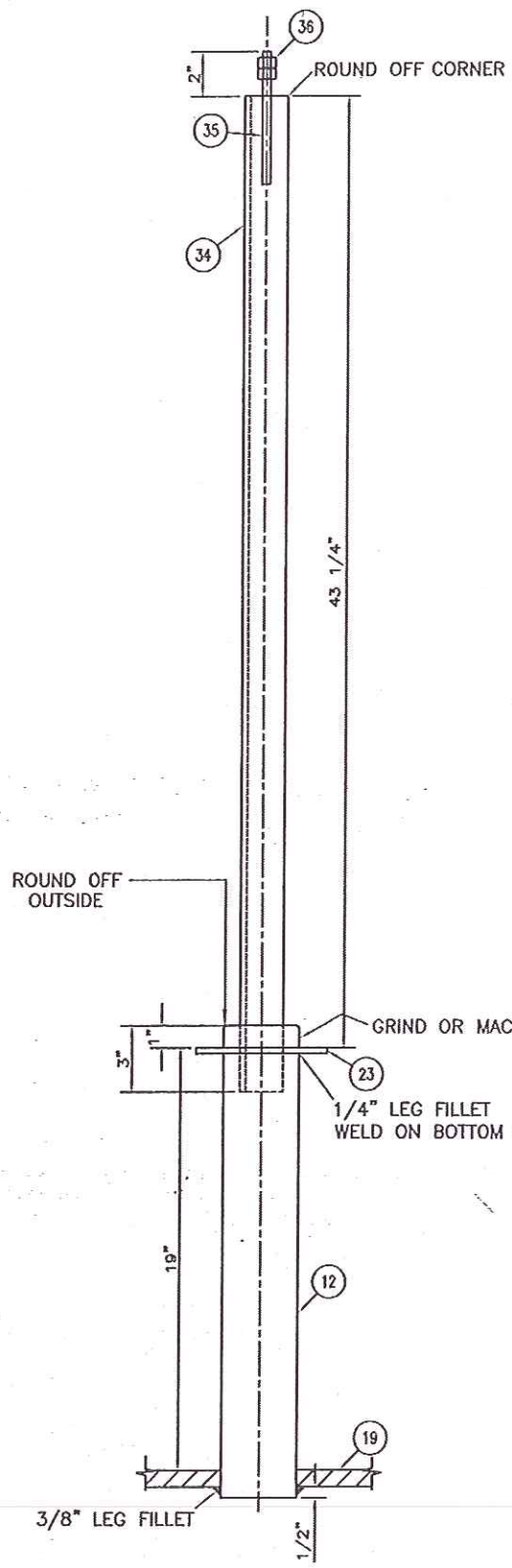
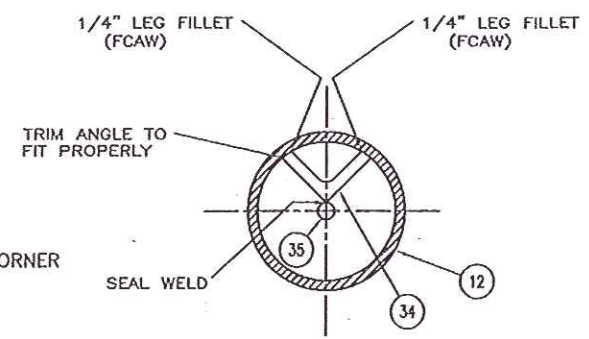
8. ESTIMATED WEIGHT: 5,378 LBS @ 60% 6029 @ 100%

9. JERMAN HYDRO TEST B TWO (2) (1) 6029

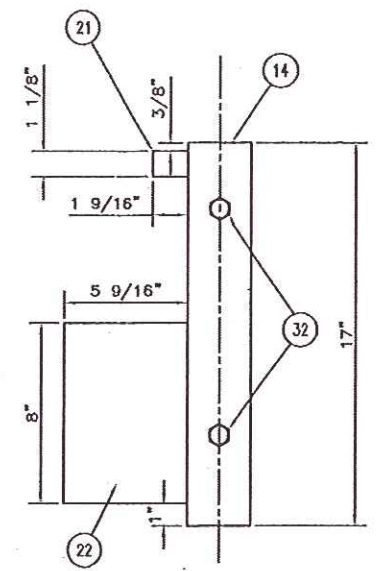
10. VESSEL TO BE CLEANED INTERNALLY BEFORE & AFTER HYDRO TEST.

11. VESSEL NOZZLES TO BE EQUIPPED WITH 1/4" THICK MINIMUM RHT BLIND-BOUGHT & 1/2" THICK PLASTIC

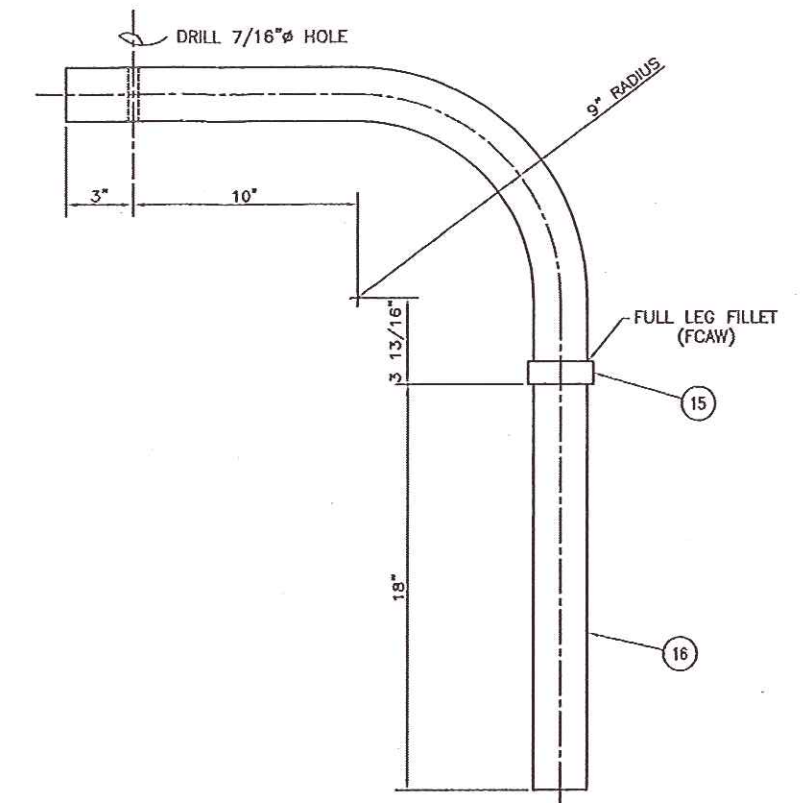
NOTES CONTINUED:			
12. <u>MISSING CHART REQUESTED</u>			
CUSTOMER: <u>GAUNT IND. (D-COK)</u>			
ITEM NO.: <u>J-677A/B</u>			
P.O. NO.: <u>56803-P-13-19</u>			
LOCATION: <u>GRAFTON, VIRGINIA</u>			
FEED FILTER			
REV.			
REV. 2	REVISED PLAN VIEWS. (W/11) 6-18-07		
REV. 1	REVISED WPI. (W/11) 6-18-07		
SOUTHWEST FILTER COMPANY TULSA, OKLAHOMA			
SCALE:	APPROVED BY:	DESIGN BY:	MWA
DWG. 2-05-07	DWT 2-12-07	REDESIGN:	
MODEL 241VF FILTER			
JOB NO.2 J-10507	SERIAL NO.2 3252/3252	DWG NO.2 D-10608	REV. 2 10



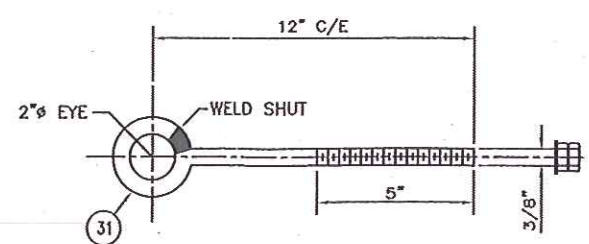
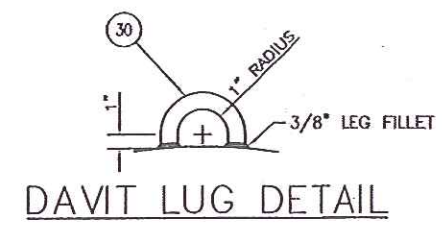
ELEMENT STAND DETAIL



DAVIT SUPPORT DETAIL



DAVIT ARM DETAIL



EYEBOLT DETAIL

CERTIFIED
AS BUILT
SOUTHWEST FILTER COMPANY
BY UFB DATE 8/20/07

CUSTOMER: GANT IND. (D-COK)			
ITEM NO.: J-677A/B			
P.O. NO.: 56603-P-13-19			
LOCATION: GRAFTON, VIRGINIA			
DETAILS			
REV.			
REV.			
REV.			
SOUTHWEST FILTER COMPANY TULSA, OKLAHOMA			
SCALE	APPROVED BY	DATE	REVISION
DATE 2-05-07	DWT 2-12-07		MWM
JOB NO. J-10807	DESIGN NO. 3251/3252	DWG NO. D-10608	REV. 0
			PAGE 102