DRAWING / PROJECT APPROVAL REVISE AS NOTED AND RETURN FOR APPROVA APPROVED FOR CONSTRUCTION AS DRAWN PLEASE INDICATE ABOVE SIGN AND RETURN RETURNED BY:___

complies with any / all specifications and conditions of service when approving for construction. Approval for construction is an agreement that this system, as presented in this drawing fully complies. Malerial procurement and construction will NOT begin until we receive your fina drawing approved for construction without pending changes. Quoted deliver and the sead times are based from the end of the drawing approval process. If you rarrangements will your sales person.

ERAL NOTES:

100% FACTORY TESTED BEFORE SHIPMENT
SINGLE SEATED SEGMENTED V CONTROL VALVE FOR DEAD
TIGHT SHUTDFF ON NO LOAD CONDITIONS, 300: 1 TURNDOWN
316L STAINLESS STEEL SHELL CONSTRUCTION
FULL SELF TUNING PID DIGITAL CONTROLS
DOUBLE SAFETY SOLENOID SAFETY HIGH LIMIT SYSTEM FAIL
SAFE TEMPERATURE CONTROLLER AND CONTROL VALVE
MOUNTING FRAME INCLUDED

INSTALLATION NOTES: 1. BLEND VALVE RECOMMENDED WITH 140F OR HIGHER SET POINT.

BLEND VALVE RECOMMENDED WITH 140F OF HIGHER SET POINT.
 ALL DIMENSIONS TO HAVE ±½" TOLERANCE
 WHEN USING A FLOAT & THERMOSTATIC STEAM TRAP, THE CONDENSATE MUST DRAIN BY GRAVITY TO A VENTED RECEIVER, NO CONDENSATE LIFT OR BACK PRESSURE ALLOWED FROM TRAP

NO CONDENSATE LIFT OR BACK PRESSURE ALLOWED FROM TRAP OUTLET.

4. PROPERLY SIZED STRAINER WITH 100 MESH SCREEN MUST BE INSTALLED WITHIN 3FT OF THE CONTROL VALVE.

5. PIPE NOZZLES 'G', 'H', 'AND 'K' TO A SUITABLE DRAIN BY OTHERS.

6. NOZZLES WILL NOT SUPPORT EXTERNAL LOADINGS. FIELD SUPPORT BY OTHERS.

7. CONTROL VALVE, STEAM TRAP AND GAUGES, SHIPPED LOOSE FIELD INSTALLED BY OTHERS.

8. STEAM SUPPLY TO THE CONTROL VALVE SHOULD BE SIZED FOR NO MORE THAN 10,000 FPS TO AVOID HIGH PRESSURE DROPS.

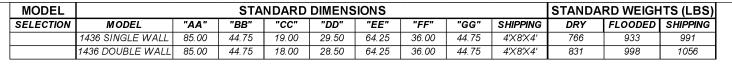
9. MAIN DRIP STEAM TRAP MUST BE LOCATED DIRECTLY AT THE CONTROL VALVE MUST BE LOCATED DIRECTLY AT THE CONTROL VALVE MUST BE INSTALLED, AS SHOWN, ON IT'S SIDE. VALVE CONTROL LALVE MUST BE INSTALLED, AS SHOWN, ON IT'S SIDE.

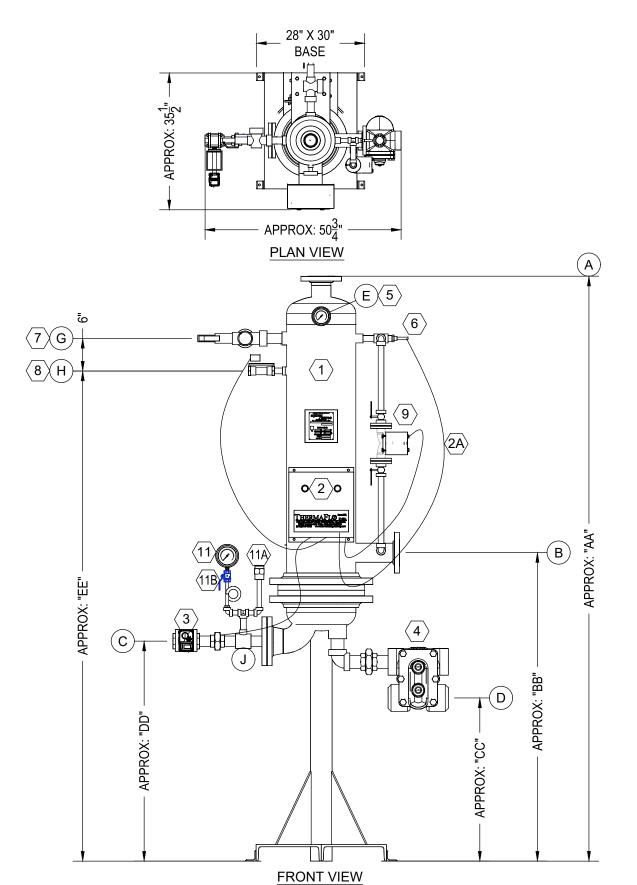
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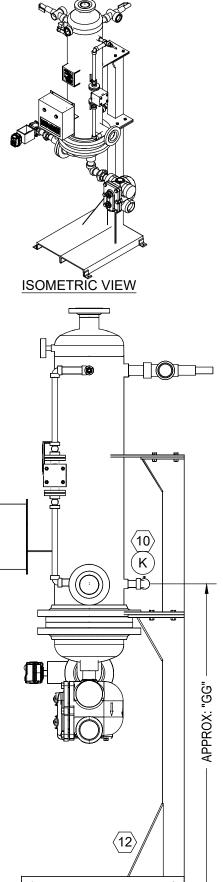
REMOVE

LEFT SIDE VIEW

(7)(G)**□□□**[**Q**]□[

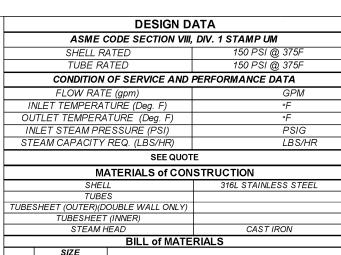






RIGHT SIDE VIEW

DIM TOL= +/- 1/2"



	STE	EAM H	<i>IEAD</i>	CAST IRON					
			BILL	of MATE	RIALS				
ITEM SELECTION		DESCRIPTION	ON						
1	1 BUNDLE		14"ØX 36" SHELL (ASME CODE STAMPED), 1 1/2" OF GLASS INSULATION & VINYL JACKET						
2	2		THERMAFLO ELECTRONIC CONTROLLER, UL LISTED, PID ELEC. TEMP. CONTROL, W/ SAFETY SHUTDOWN AND OPERATION INDICATOR LIGHTS						
2A	STANDAR	RD.	1/2" UL LIQUIDTIGHT FLEXIBLE STEEL CONDUIT, TYPE LFMC						
3			THERMAFLO JVV-VBALL STEAM CONTROL VALVE, STAINLESS, W/FAIL SAFE ACTUATOR						
4	4		THERMAFLO FLOAT AND THERMOSTATIC STEAM TRAP						
5	STANDAF	STANDARD		TEMPERATURE GAUGE, 0-250F, SS WELL.					
6	STANDARD		1/2" RTD, 4-20ma OUTPUT FROM CONTROLLER						
7	STANDAR	RD	1-1/2" 18C5424150 PRESSURE & TEMP. RELIEF VALVE, SAT @, 150 PSI @, 210F, RATED @, 6,050,000 BTU.						
8	STANDARD		3/4" HIGH-TEMP. DUMP SOLENOID						
9	STANDAF	RD.	3/4" SHELL RE-CIRCULATION PUMP						
10	STANDAR	RD.	1" THERMAFLO 3700 BALL VALVE, FULL PORT, STAINLESS STEEL						
11	STANDAR	STANDARD		4.5" DIAL PRESSURE GAUGE 0-30 PSIG W/ SYPHON					
11A	STANDAR	RD.	3/4" THERMAFLO VACUUM BREAKER						
11B	STANDAR	STANDARD		1/4" THERMAFLO 3700 BALL VALVE, FULL PORT, STAINLESS STEEL					
12	STANDAF	RD.	THERMAFLO CARBON STEEL STAND						
NOZZLES & CONNECTIONS									
ITEM	SIZE (IN)		TYPE		SERVICE				
Α	4	1:	50# FLG		HOT WATER OUTLET				
В	4	4 1.			COLD WATER INLET				
С			NPT	STEAM INLET					
D		NPT			CONDENSATE OUTLET				
Е	3/4		NPT	GAUGE					
G	1 1/2		NPT	RELIEF VALVE					
Н	3/4		NPT		DUMP SOLENOID				

AVAILABLE WITH 36" OR SHORTER TUBE BUNDLE

GAUGE DRAIN

TAG:

3/4

BY DATE REVISION

Since 1986

Manufacturers Of Steam Fired Specialty Equipment 2880 Fair Avenue, Newberry, SC 29108 (704) 940-1228 www.thermafloengineering.com

DESCRIPTI	ION:												
TH750V-14" SHORT-EC800-2 STEAM FIRED WATER HEATER													
CUSTOME	₹:			JOB#		QTY.	DATE:						
SCALE:	DRAWN:	PO#	PLAN#	FILE:	SAME	REV.#	PAGE: 1 OF 1						

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