

LEFT SIDE VIEW

## FRONT VIEW

**RIGHT SIDE VIEW** 

	-	- INITIAL RELEASE -					(2) PLACE DEC. ±.01 (3) PLACE DEC. ±.005 ANGLES ±2 DEG.		The items shown in this drawing may be covered by one or more patents of The Fulton Companies.	DRAWN BY: T. KENNEDY CHECKED BY: S.A.C.	8/10/2015 8/21/2015	ELEC. ENG:	8/18/2015	JOB NUMBER: 507601 PROJECT NAME: NASSAU CANDY FACTORY	DESCRIPTION: ICS 30 H.P. STEAM BOILER SEPARATOR AND VT-30 SII
R	EV	REVISION DESCRIPTION REVISION REVISION	B.O.M. ON HISTOR	MECH. ENG	CHECKED	APPROVED	30KI ACL FINISIT	except with prior written consent.	THIRD ANGLE PROJECTION 1 OF 8	b.o.m. review N/A		APPROVED BY: J.B.	8/19/2015	PROJECT MANAGER: J. ASHBY	

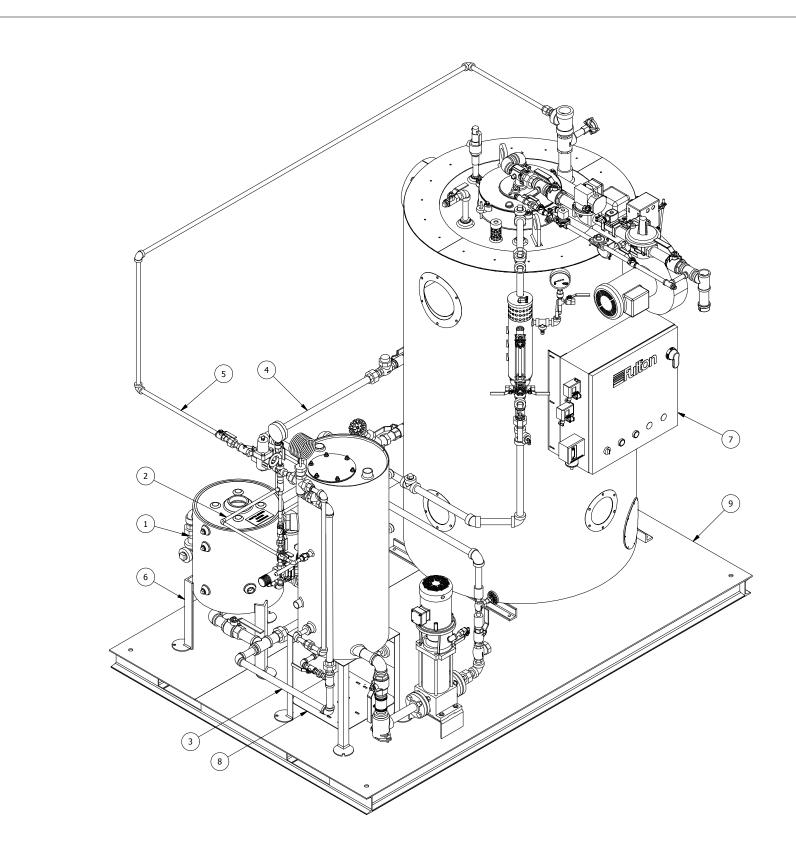
ITEMDESCRIPTIONSIZETYPEASINGLE SOURCE WATER1"N.P.T.BSINGLE SOURCE STEAM2"N.P.T.CSINGLE SOURCE DRAIN3"N.P.T.DSINGLE SOURCE POWEREEXHAUST STACK12"	SHIPPED LOOSE
B  SINGLE SOURCE STEAM  2"  N.P.T.    C  SINGLE SOURCE DRAIN  3"  N.P.T.    D  SINGLE SOURCE POWER      E  EXHAUST STACK  12"	*
C  SINGLE SOURCE DRAIN  3"  N.P.T.    D  SINGLE SOURCE POWER      E  EXHAUST STACK  12"	*
D  SINGLE SOURCE POWER      E  EXHAUST STACK  12"	
E EXHAUST STACK 12"	
	*
F FUEL INLET 1 1/2" N.P.T.	*
G SAFETY RELIEF VALVE 3/4" N.P.T.	*
H WATER SAMPLE PORT 1/4" N.P.T.	
J STEAM SAMPLE PORT 1/4" N.P.T.	
K CONDENSATE RETURN 1 1/4" N.P.T.	
L RETURN TANK VENT 1 1/4" N.P.T.	
M BLOWOFF SEPARATOR VENT 3" N.P.T.	

EQUIPMENT SPECIFICATION CHART								
APPROXIMATE OPERATING WEIGHT:	9000 LBS.							
APPROX. WEIGHT SKID #1	6900 LBS							
BOILER DRAWING NO:	B91-5768							
FEED WATER DRAWING NO:	B91-5769							
BLOWOFF SEPARATOR DRAWING NO:	9-BD-0030A3							

## BACK VIEW



SHEET 1 OF 8



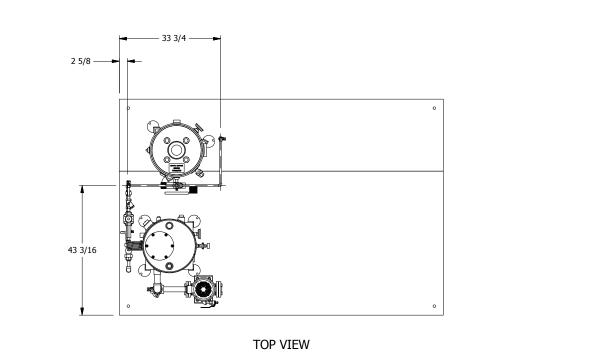
				MANUFACTURING B. O. M.		
Γ	ITEM	PART NUMBER	REV	DESCRIPTION	QTY	U.O.M.
	1	0-BD-ASSY01		BLOWDOWN PIPING ASSEMBLY	1	EA.
Γ	2	0-CW-ASSY01		COLD WATER PIPING ASSEMBLY	1	EA.
	3	0-DR-ASSY01		DRAIN PIPING ASSEMBLY	1	EA.
Γ	4	0-FW-ASSY01		FEEDWATER PIPING ASSEMBLY	1	EA.
	5	0-PH-ASSY01		PREHEAT PIPING ASSEMBLY	1	EA.
	6	9-BD-0030A3		F-30 BLOW-OFF SEPARATOR WITH COOLING	1	EA.
				KIT (75 PSIG MAWP)		
	7	B91-5768		ICS 30 HP HIGH PRESSURE GAS FIRED	1	EA.
				MODULATED BOILER (TRIM 200 PSI)		
	8	B91-5769		VT-30 RETURN TANK WITH SIMPLEX GOULDS	1	EA.
				PUMP AND STANDARD MECHANICAL FLOAT		
ſ	9	WORK ORDER		72" X 108" SKID ASSEMBLY	1	EA.

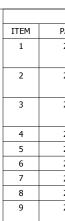
ISOMETRIC \	/IEW
-------------	------

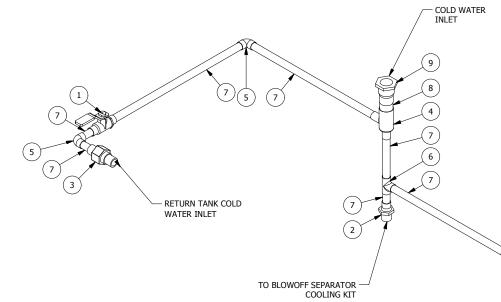
								UNLESS OTHERWISE NOTED:	This design and	The items shown in	DRAWN BY:		MECH. ENG:		JOB NUMBER:	DESCRIPTION:
								DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± 1/4	proprietary and are the	this drawing may be covered by one or more patents of The	T. KENNEDY	8/10/2015	W.W.	8/18/2015	507601	ICS 30 H.P. STEAM BOILER
	-	- INITIAL RELEASE -						(2) PLACE DEC. ± .01 (3) PLACE DEC. ± .005	The Fulton Companies.	Fulton Companies.	CHECKED BY: S.A.C.	8/21/2015	ELEC. ENG:	8/20/2015	PROJECT NAME: NASSAU CANDY FACTORY	SEPARATOR AND VT-30 SIN
								ANGLES ± 2 DEG. SURFACE FINISH	The corporation does not permit their use			0/21/2013		8/20/2013		
R	REV	REVISION DESCRIPTION	B.O.M.	ELEC. ENG	MECH. ENG	CHECKED	APPROVED	250 MICRO-INCHES	except with prior written consent.	THIRD ANGLE PROJECTION	B.O.M. REVIEW		APPROVED BY:	8/19/2015	PROJECT MANAGER:	
		REVISIO	ON HISTORY							2 OF 8	N/A		J.D.	6/19/2015	J. ASITUT	

ER WITH F-30 BLOWOFF SIMPLEX RETURN SYSTEM	The Fulton Companies 972 Centerville Road Pulaski, New York USA 13142	<b>Fulto</b>	n
	DRAWING NUMBER		REV
	B99-2296		-

SHEET 2 OF 8







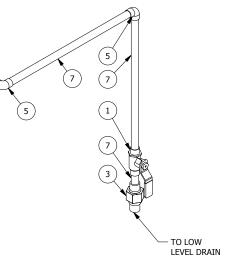
COLD WATER PIPING ASSEMBLY 0-CW-ASSY01

ä⊨ 48 1/4 44 1/8

FRONT VIEW

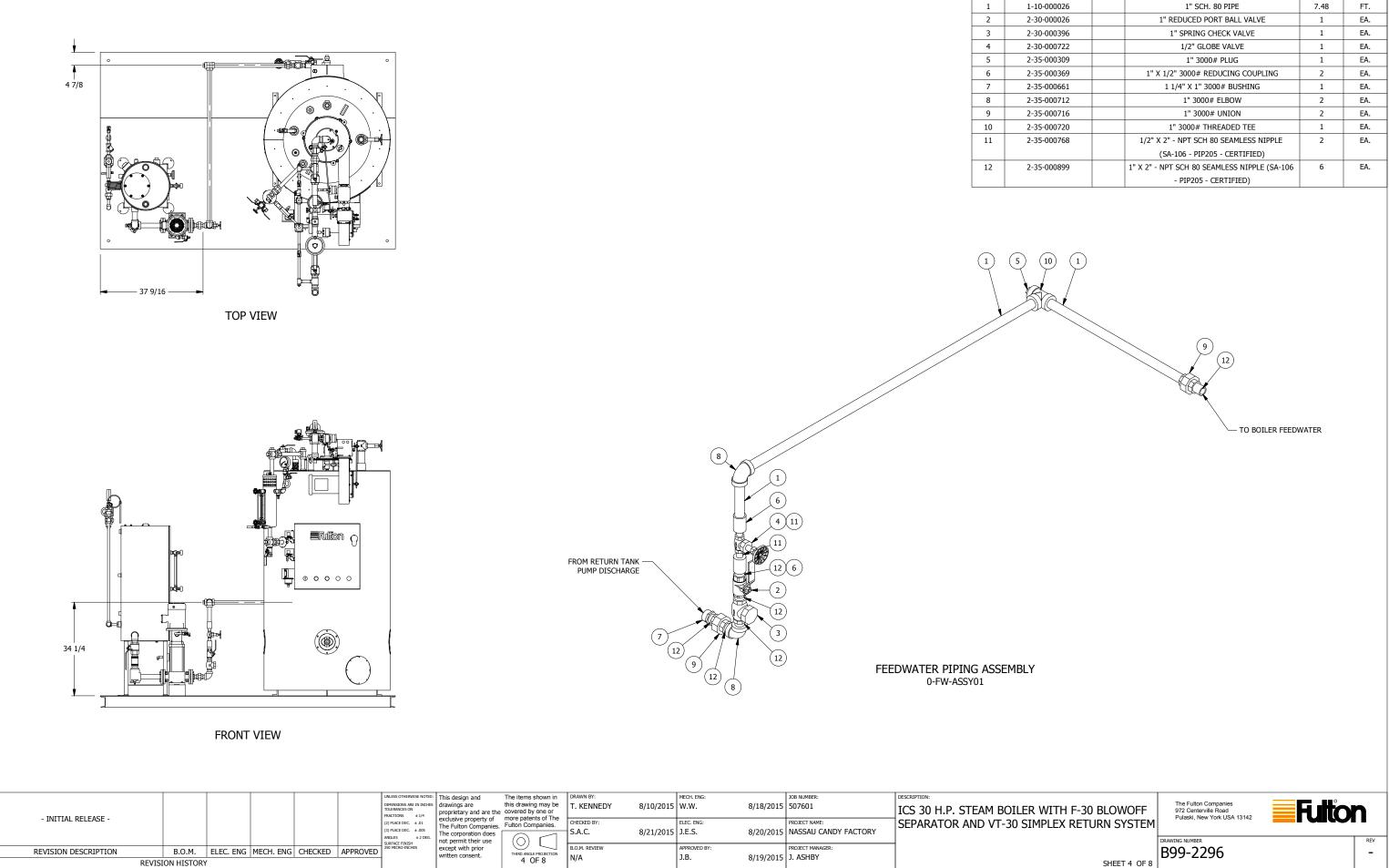
							UNLESS OTHERWISE NOTED:	This design and	The items shown in	DRAWN BY:		MECH. ENG:		JOB NUMBER:	DESCRIPTION:
							DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± 1/4	proprietary and are the	this drawing may be covered by one or more patents of The	T. KENNEDY	8/10/2015	W.W.	8/18/2015	507601	ICS 30 H.P. STEAM BOILER
-	- INITIAL RELEASE -						(2) PLACE DEC. ± .01	exclusive property of The Fulton Companies	<b>F H O</b>	CHECKED BY:		ELEC. ENG:		PROJECT NAME:	SEPARATOR AND VT-30 SIM
							(3) PLACE DEC. ± .005 ANGLES ± 2 DEG.	The corporation does not permit their use	$\bigcirc$	S.A.C.	8/21/2015	J.E.S.	8/20/2015	NASSAU CANDY FACTORY	
REV	REVISION DESCRIPTION	B.O.M.	ELEC. ENG	MECH. ENG	CHECKED	APPROVED	350 MICDO INCUTS	except with prior written consent.	THIRD ANGLE PROJECTION	B.O.M. REVIEW		APPROVED BY: J.B.	8/19/2015	PROJECT MANAGER:	1
	REVIS	SION HISTOR	۲Y				]		3 OF 8	N/A		J.D.	0/19/2015	J. ASHDI	

		MANUFACTURING B. O. M.		
PART NUMBER	REV	DESCRIPTION	QTY	U.O.M.
2-30-005027		1/2" SOLDER END BRONZE BALL VALVE	2	EA.
		(70-203-01)		
2-35-001146		1/2" MNPT X 1/2" TYPE-L SOLDER COPPER	1	EA.
		ADAPTER		
2-35-001249		1/2" SOLDER TO 1/2" MALE N.P.T. DIELECTRIC	2	EA.
		UNION		
2-35-001259		1" X 1/2" X 1/2" TYPE-L COPPER REDUCING TEE	1	EA.
2-35-001300		1/2" TYPE-L COPPER ELBOW	4	EA.
2-35-001305		1/2" COPPER TEE	1	EA.
2-35-001315		1/2" TYPE-L COPPER TUBING	7.43	FT.
2-35-001317		1" TYPE-L COPPER TUBING	.17	FT.
2-35-001321		1" FEMALE NPT X 1" TYPE-L SOLDER COPPER	1	EA.
		ADAPTER		





SHEET 3 OF 8

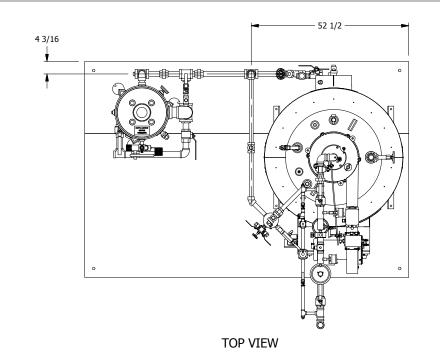


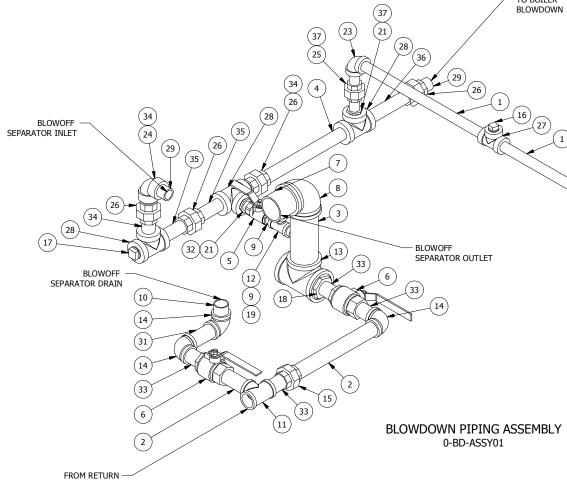
REV

MANUFACTURING B. O. M.											
PART NUMBER	REV	DESCRIPTION	QTY	U.O.M.							
1-10-000026		1" SCH. 80 PIPE	7.48	FT.							
2-30-000026		1" REDUCED PORT BALL VALVE	1	EA.							
2-30-000396		1" SPRING CHECK VALVE	1	EA.							
2-30-000722		1/2" GLOBE VALVE	1	EA.							
2-35-000309		1" 3000# PLUG	1	EA.							
2-35-000369		1" X 1/2" 3000# REDUCING COUPLING	2	EA.							
2-35-000661		1 1/4" X 1" 3000# BUSHING	1	EA.							
2-35-000712		1" 3000# ELBOW	2	EA.							
2-35-000716		1" 3000# UNION	2	EA.							
2-35-000720		1" 3000# THREADED TEE	1	EA.							
2-35-000768		1/2" X 2" - NPT SCH 80 SEAMLESS NIPPLE	2	EA.							
		(SA-106 - PIP205 - CERTIFIED)									
2-35-000899		1" X 2" - NPT SCH 80 SEAMLESS NIPPLE (SA-106	6	EA.							
		- PIP205 - CERTIFIED)									

ITEM

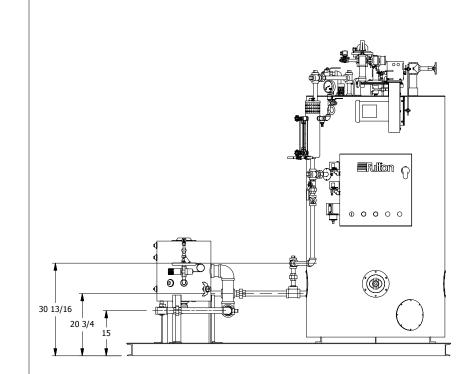
			MANUFACTURING B. O. M.						MANUFACTURING B. O. M.		
ITEM	PART NUMBER	REV	DESCRIPTION	QTY	U.O.M.	ITEM	PART NUMBER	REV	DESCRIPTION	QTY	U.O.M.
1	1-10-000026		1" SCH. 80 PIPE	5.394	FT.	20	2-35-000516		1/4" N.P.T. X 3/8" COMPRESSION BRASS ELBOW	1	EA.
2	2-10-000111		1 1/2" SCH. 40 PIPE	1.68	FT.	21	2-35-000661		1 1/4" X 1" 3000# BUSHING	2	EA.
3	2-10-000114		3" SCH. 40 PIPE	.8	FT.	22	2-35-000671		1" 3000# 45 DEG ELBOW	1	EA.
4	2-10-000117		1 1/4" SCH. 80 PIPE	1.26	FT.	23	2-35-000712		1" 3000# ELBOW	2	EA.
5	2-30-000026		1" REDUCED PORT BALL VALVE	1	EA.	24	2-35-000713		1 1/4" 3000# ELBOW	1	EA.
6	2-30-005059		1 1/2" FULL PORT BALL VALVE	2	EA.	25	2-35-000716		1" 3000# UNION	2	EA.
7	2-35-000055		3" X 4" - NPT SCH 40 NIPPLE	1	EA.	26	2-35-000717		1 1/4" 3000# UNION	4	EA.
8	2-35-000074		3" THREADED ELBOW	1	EA.	27	2-35-000720		1" 3000# THREADED TEE	2	EA.
9	2-35-000129		1" X 2" - NPT SCH 40 NIPPLE	2	EA.	28	2-35-000721		1 1/4" 3000# THREADED TEE	3	EA.
10	2-35-000149		1 1/2" X 2" - NPT SCH 40 NIPPLE	1	EA.	29	2-35-000758		1 1/4" X 2" - NPT SCH 80 SEAMLESS NIPPLE	3	EA.
11	2-35-000225		1 1/2" THREADED TEE	1	EA.				(SA-106 - PIP205 - CERTIFIED)		
12	2-35-000238		1" X 1" X 1/2" THREADED REDUCING TEE	1	EA.	30	2-35-000790		1" X 1/4" 3000# BUSHING	1	EA.
13	2-35-000244		3" THREADED TEE	1	EA.	31	2-35-000804		1 1/2" X 5" - NPT SCH 40 NIPPLE	1	EA.
14	2-35-000274		1 1/2" THREADED ELBOW	3	EA.	32	2-35-000899		1" X 2" - NPT SCH 80 SEAMLESS NIPPLE (SA-106	3	EA.
15	2-35-000296		1 1/2" SCH. 40 UNION	1	EA.				- PIP205 - CERTIFIED)		
16	2-35-000309		1" 3000# PLUG	1	EA.	33	2-35-001441		1 1/2" X 3 1/2" - NPT SCH 40 NIPPLE	4	EA.
17	2-35-000310		1 1/4" 3000# PLUG	1	EA.	34	PO#		1 1/4" X 3" - NPT SCH 80 SEAMLESS NIPPLE	2	EA.
18	2-35-000498		3" X 1 1/2" 150# BUSHING	1	EA.	35	PO#		1 1/4" X 5" - NPT SCH 80 SEAMLESS NIPPLE	2	EA.
19	2-35-000511		1" 150# HALF COUPLING	1	EA.	36	PO#		1 1/4" X 8" - NPT SCH 80 SEAMLESS NIPPLE	1	EA.
						37	PO#		1" X 3" - NPT SCH 80 SEAMLESS NIPPLE	2	EA.



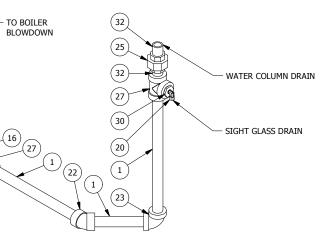


TANK DRAIN PIPING

- I - I	INITIAL RELEASE -						HRACITONS ± 1/4	proprietary and are the exclusive property of	more patents of The	T. KENNEDY	8/10/2015	W.W. 8/18/202	5 507601	ICS 30 H.P. STEAM BOILER SEPARATOR AND VT-30 SI
							(3) PLACE DEC. ± .005 ANGLES ± 2 DEG.	The Fulton Companies. The corporation does not permit their use	$\bigcirc \square$	S.A.C.	8/21/2015	J.E.S. 8/20/202	5 NASSAU CANDY FACTORY	
REV REV	ISION DESCRIPTION	B.O.M.	ELEC. ENG	MECH. ENG	CHECKED	APPROVED	SURFACE FINISH 250 MICRO-INCHES	except with prior written consent.	THIRD ANGLE PROJECTION	B.O.M. REVIEW		APPROVED BY:	PROJECT MANAGER:	
	REVISI	ON HISTORY	<i>,</i>				]		5 OF 8	N/A		J.B. 8/19/202	5 J. ASHBY	

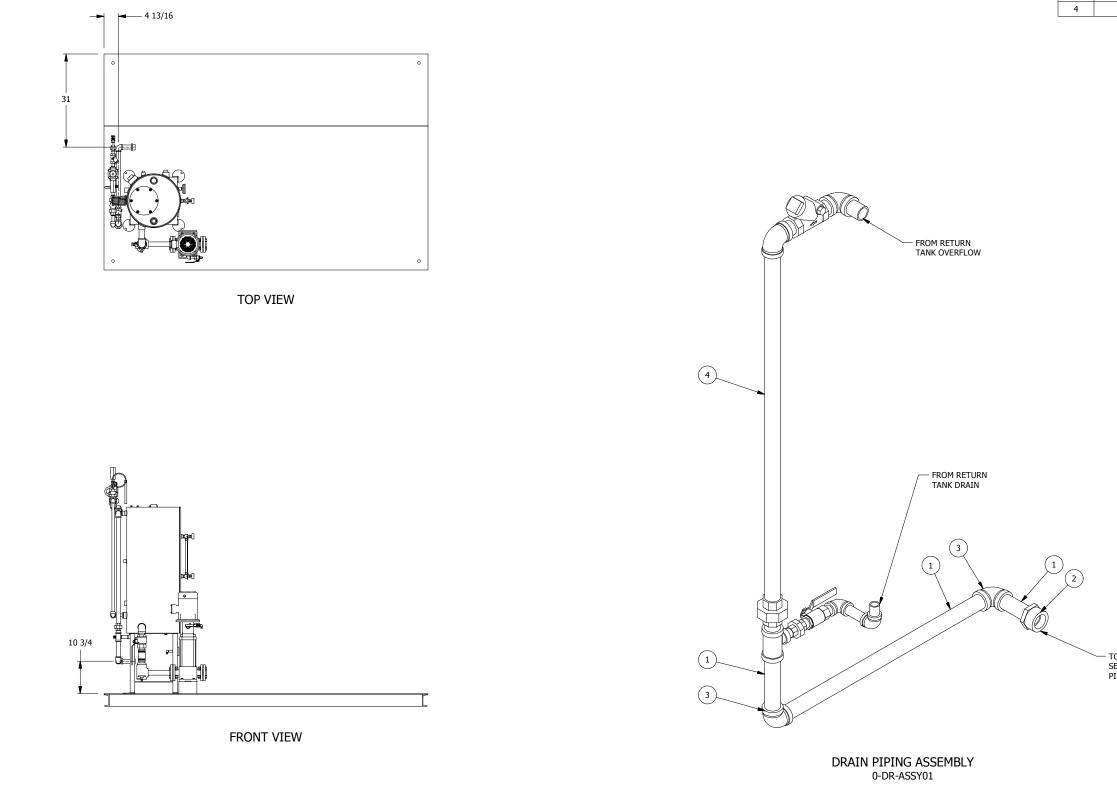


FRONT VIEW









L								_							
								UNLESS OTHERWISE NOTED:	This design and	The items shown in	DRAWN BY:	MECH. ENG:		JOB NUMBER:	DESCRIPTION:
								DIMENSIONS ARE IN INCHES TOLERANCES ON	drawings are proprietary and are the	this drawing may be	T. KENNEDY	8/10/2015 W.W.	8/18/2015	507601	ICS 30 H.P. STEAM BOILER V
		- INITIAL RELEASE -							exclusive property of	more patents of The					
	-	- INITIAL KELLASE -						(2) PLACE DEC. ± .01	The Fulton Companies.	Fulton Companies.	CHECKED BY:	ELEC. ENG:		PROJECT NAME:	SEPARATOR AND VT-30 SIM
								(3) PLACE DEC. ± .005	The corporation does		S.A.C.	8/21/2015 J.E.S.	8/20/2015	NASSAU CANDY FACTORY	
								ANGLES ± 2 DEG.	not permit their use			-,,	-,,		
ł	D.D.(		DOM			CUECKED		30KFACL FINISH	except with prior	$  \bigcirc \Box  $	B.O.M. REVIEW	APPROVED BY:		PROJECT MANAGER:	1
	REV	REVISION DESCRIPTION	B.O.M.	ELEC. ENG	MECH. ENG	CHECKED	APPROVED		written consent.	THIRD ANGLE PROJECTION	N/A	J.B.	8/19/2015	1 ACHRY	
REVISION HISTORY							6 OF 8	N/A	5.6.	6/19/2013	J. ASITUT				

MANUFACTURING B. O. M.							
PART NUMBER	REV	DESCRIPTION	QTY	U.O.M.			
2-10-000109		1" SCH. 40 PIPE	2.9	FT.			
2-35-000216		1 1/2" X 1" 150# BUSHING	1	EA.			
2-35-000271		1" THREADED ELBOW	2	EA.			
6-85-V03001		VT-30 OVERFLOW AND DRAIN SUBASSEMBLY	1	EA.			

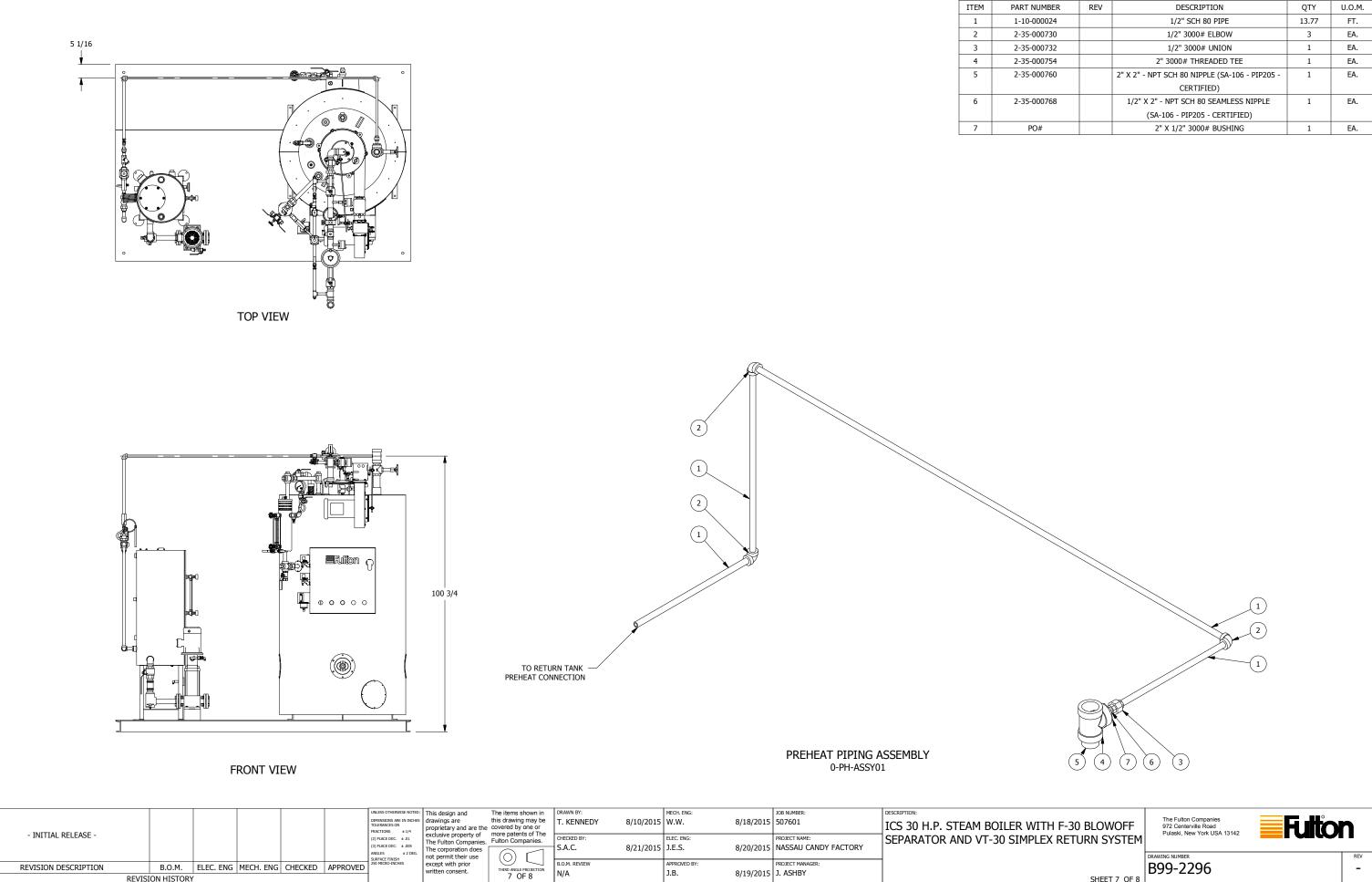
- TO BLOWOFF SEPARATOR DRAIN PIPING

> ER WITH F-30 BLOWOFF SIMPLEX RETURN SYSTEM

The Fulton Companies 972 Centerville Road Pulaski, New York USA 13142



CRAWING NUMBER B99-2296 REV

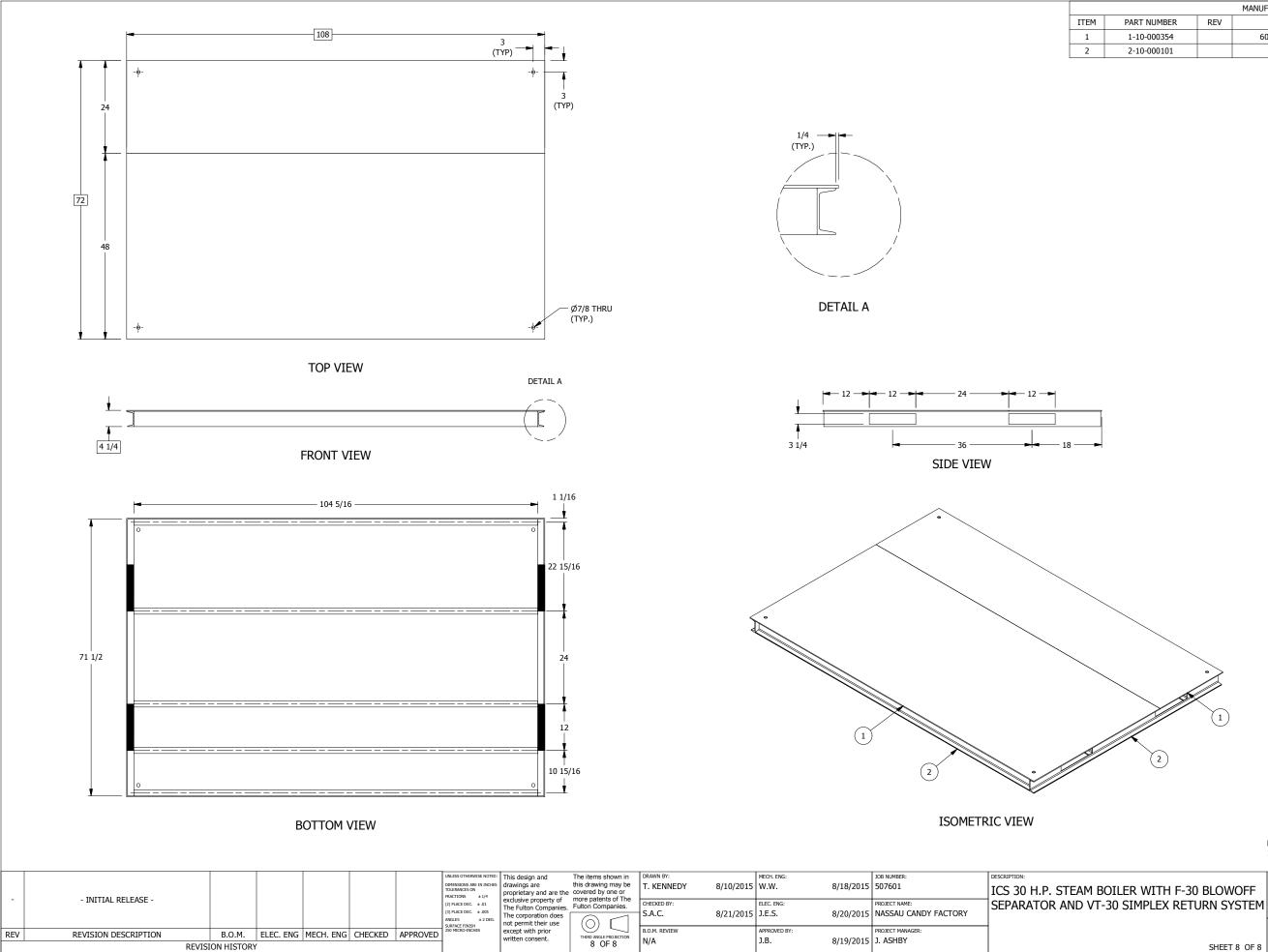


REV

REVISION HISTORY

MANUFACTURING B. O. M.							
PART NUMBER	REV	DESCRIPTION	QTY	U.O.M.			
1-10-000024		1/2" SCH 80 PIPE	13.77	FT.			
2-35-000730		1/2" 3000# ELBOW	3	EA.			
2-35-000732		1/2" 3000# UNION	1	EA.			
2-35-000754		2" 3000# THREADED TEE	1	EA.			
2-35-000760		2" X 2" - NPT SCH 80 NIPPLE (SA-106 - PIP205 -	1	EA.			
		CERTIFIED)					
2-35-000768		1/2" X 2" - NPT SCH 80 SEAMLESS NIPPLE	1	EA.			
		(SA-106 - PIP205 - CERTIFIED)					
PO#		2" X 1/2" 3000# BUSHING	1	EA.			

SHEET 7 OF 8



MANUFACTURING B. O. M.								
PART NUMBER	REV	DESCRIPTION	QTY	U.O.M.				
1-10-000354		60" X 120" X 1/4" HRS STEEL PLATE	54	SF.				
2-10-000101		4" X 5.4# CHANNEL A36	55.37	FT.				

NOTES: 1. LEAVE FRAMING 1/4" AWAY FROM ALL SKID EDGES

The Fulton Companies 972 Centerville Road Pulaski, New York USA 13142

Fulton

SHEET 8 OF 8

DRAWING NUMBER

B99-2296

REV -