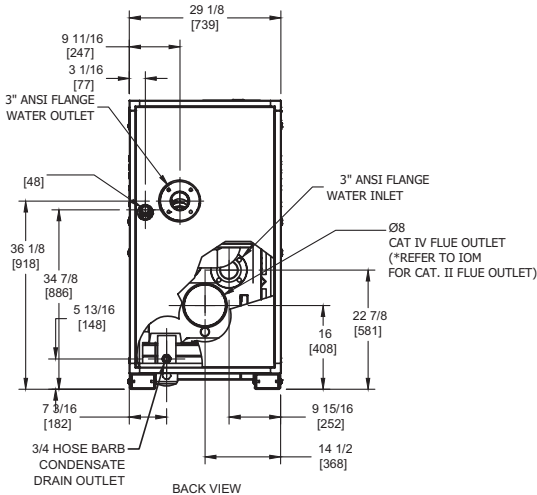
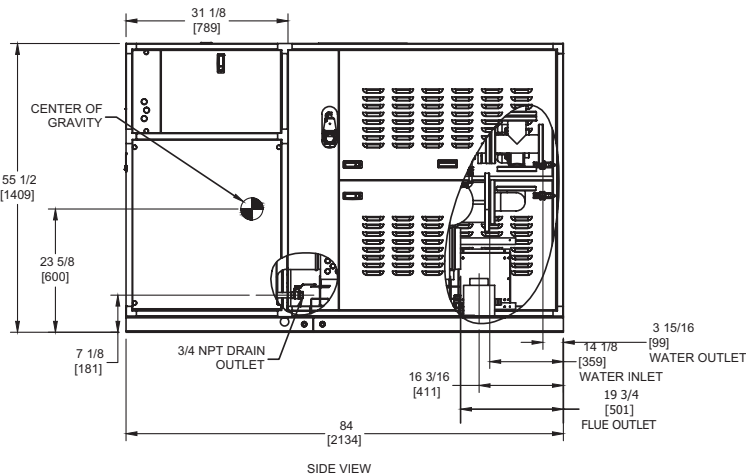
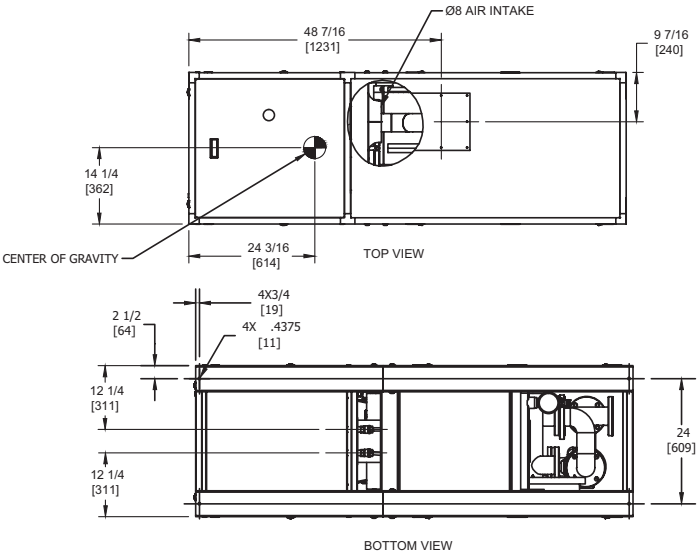


INDOOR UNIT

RSUB-140 REV E



- Notes:**
- 1. Dimensions are approximate and should not be used to "rough-in" equipment.
 - 2. Dimensions are subject to change without notice.

BOILER CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/Propane Gas	Total FLA	25.5* @ 230V
Input BTU/hr.	2,500,000 / 733 kW	Min. Gas Pressure Required	3.5" W.C.**
Output BTU/hr.	2,350,000 / 689 kW	Max. Gas Pressure Allowed	14" W.C.
Electrical Requirements	(L1, L2, NEU, GND) 208-230 VAC / 1PH / 60Hz	Operating Weight	2,348 lbs / 1,066 Kg

BOILER TEMPERATURE RISE / PRESSURE DROP

25°F / 13.9°C			
Flow Rate***		Total Loss****	
GPM	L/s	Ft	kPa
174.0	10.9	23.2	69.3

*** Primary Heat Exchanger
**** Includes primary, secondary, mixing valve and piping.

BOILER / WATER HEATER TRIM & CONTROLS

Main Gas Valve	Dungs MBC 2500	Air Switch	HUBA
Firing Valve	1 1/2"	Blower Motor	American Fan 3HP - FLA 8
Ignition Control	Honeywell RM7895C	Relief Valve - CW	3/4" x 3/4" set @ 125 psi
Operating Control	HeatNet®	Relief Valve - CB	1" x 1-1/4" set @ 50 psi
High Limit	Jumo	Flow Switch	ITT FS8W
Main Ball Valve	1 1/2"	Pilot Regulator	White-Rodgers 25m
Economizer	RBI-3000	Circulator - CW	B&G Series 580 (3HP) - FLA 17
Mixing Valve	3"	Circulator - CB	B&G Series e-80 (2 HP) - FLA 12
		By-Pass Piping	3"

WATER HEATER HOURLY RECOVERY CAPACITY (GPH & LPH)

40°F	22°C	60°F	33°C	80°F	44°C	100°F	56°C	120°F	67°C	140°F	78°C
6,880	26,007	4,587	17,338	3,440	13,004	2,752	10,403	2,293	8,669	1,966	7,431

A.S.M.E.

ASME Sect IV Htg Surface	267.5 Sq Ft / 24.85 Sq M	Design Data	Max. 125 psig & 250°F
Water Volume	12.1 gal / 42.80 Liters		
Water Volume Secondary HX	11.5 gal / 43.53 Liters		

* Includes pump
** For incoming gas pressures lower than 3.5" W.C. natural or propane, consult factory.

REP FIRM _____
SUBMITTED BY _____
JOB NAME _____
ARCHITECT _____
ENGINEER _____
CONTRACTOR _____
DATE _____

FUSION XLF 2500

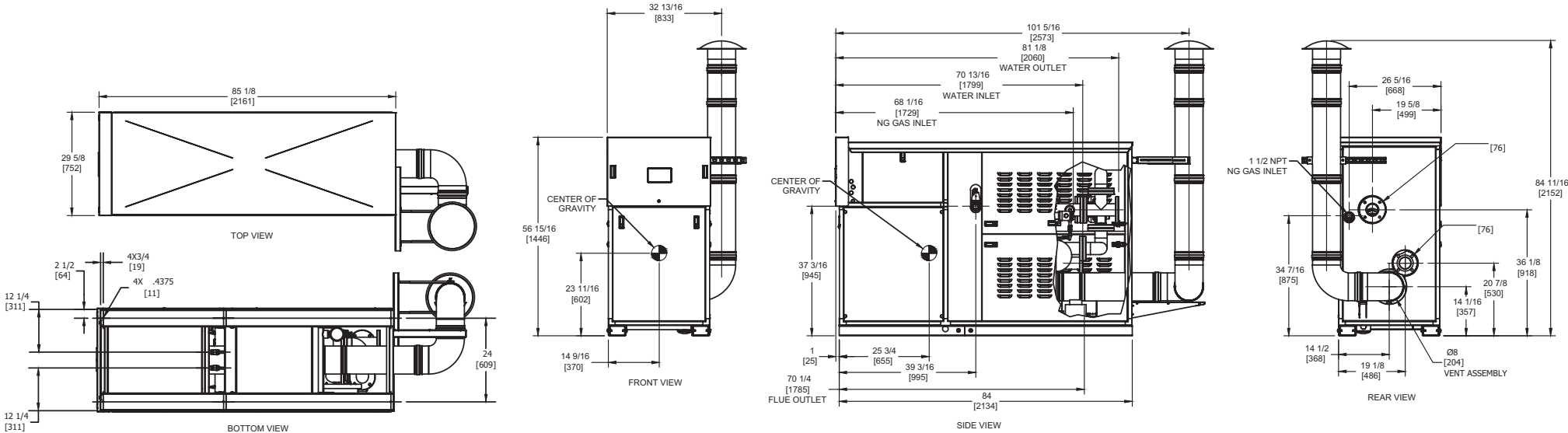
Category II or IV Appliance
(see Installation and Operation Manual for venting information)



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OUTDOOR UNIT

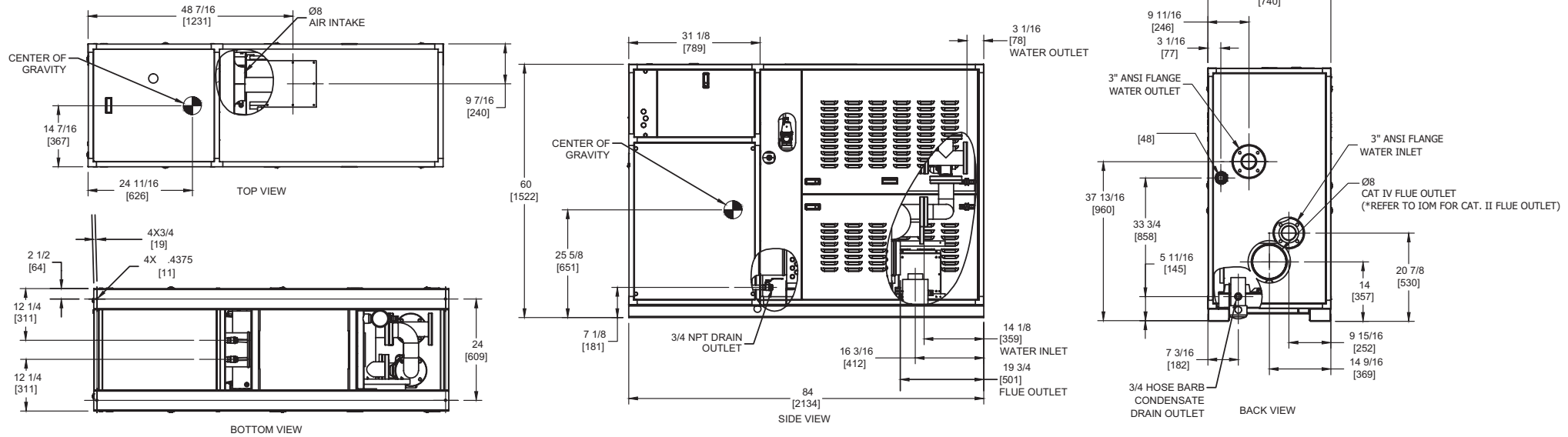
RSUB-144 REV E



FUSION XLF 2500

- Notes:**
1. Dimensions are approximate and should not be used to "rough-in" equipment.
 2. Dimensions are subject to change without notice.

INDOOR UNIT



Notes:

1. Dimensions are approximate and should not be used to "rough-in" equipment.
2. Dimensions are subject to change without notice.

BOILER CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/Propane Gas	Total FLA	25.5* @ 230V
Input BTU/hr.	3,000,000 / 879 kW	Min. Gas Pressure Required	3.5" W.C.**
Output BTU/hr.	2,820,000 / 826 kW	Max. Gas Pressure Allowed	14" W.C.
Electrical Requirements	(L1, L2, NEU, GND) 208-230 VAC / 1PH / 60Hz	Operating Weight	2,407 lbs / 1,093 Kg

BOILER / WATER HEATER TRIM & CONTROLS

Main Gas Valve	Dungs MBC 2500	Air Switch	HUBA
Firing Valve	2"	Blower Motor	American Fan 3HP - FLA 8
Ignition Control	Honeywell RM7895C	Relief Valve - CW	3/4" x 3/4" set @ 125 psi
Operating Control	HeatNet®	Relief Valve - CB	1" x 1-1/4" set @ 50 psi
High Limit	Jumo	Flow Switch	ITT FS8W
Main Ball Valve	2"	Pilot Regulator	White-Rodgers 25m
Economizer	RBI-3000	Circulator - CW	B&G Series 580 (3HP) - FLA 17
Mixing Valve	3"	Circulator - CB	B&G Series e-80 (2 HP) - FLA 12
		By-Pass Piping	3"

A.S.M.E.

ASME Sect IV Htg Surface	325.0 Sq Ft / 30.19 Sq M	Design Data	Max. 125 psig & 250°F
Water Volume	12.8 gal / 48.45 Liters		
Water Volume Secondary HX	11.5 gal / 43.53 Liters		

* Includes pump

** For incoming gas pressures lower than 3.5" W.C. natural or propane, consult factory.

BOILER TEMPERATURE RISE / PRESSURE DROP

30°F / 16.7°C			
Flow Rate***		Total Loss****	
GPM	L/s	Ft	kPa
174.0	10.9	23.5	70.2

*** Primary Heat Exchanger

**** Includes primary, secondary, mixing valve and piping.

WATER HEATER HOURLY RECOVERY CAPACITY (GPH & LPH)

40°F	22°C	60°F	33°C	80°F	44°C	100°F	56°C	120°F	67°C	140°F	78°C
8,355	31,583	5,570	21,055	4,178	15,792	3,342	12,633	2,785	10,528	2,387	9,024

REP FIRM _____
SUBMITTED BY _____
JOB NAME _____
ARCHITECT _____
ENGINEER _____
CONTRACTOR _____
DATE _____

FUSION XLF 3000

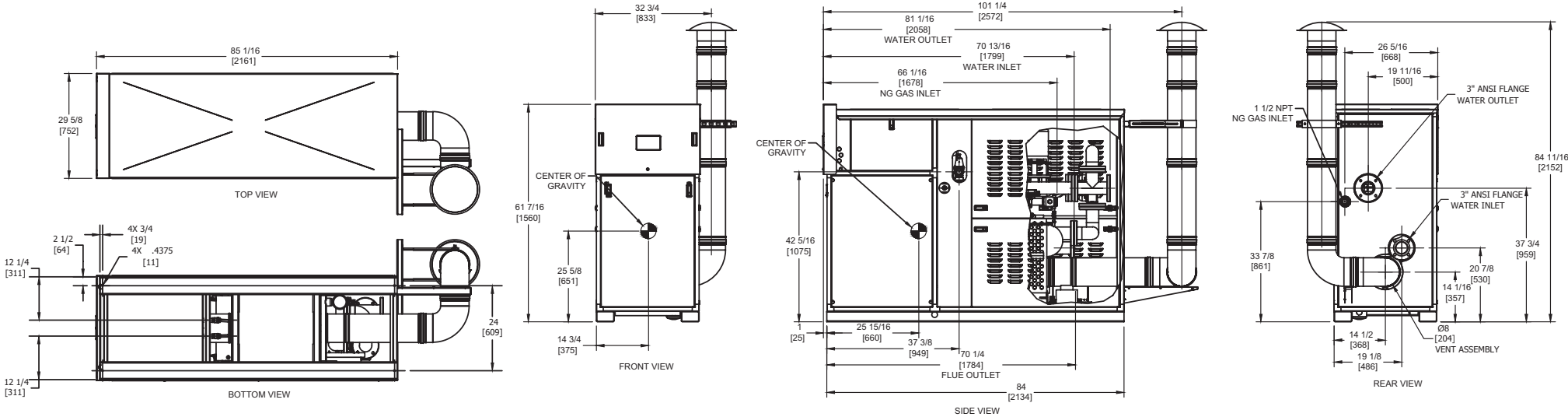
Category II or IV Appliance
(see Installation and Operation Manual for venting information)

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OUTDOOR UNIT

RSUB-145 REV E

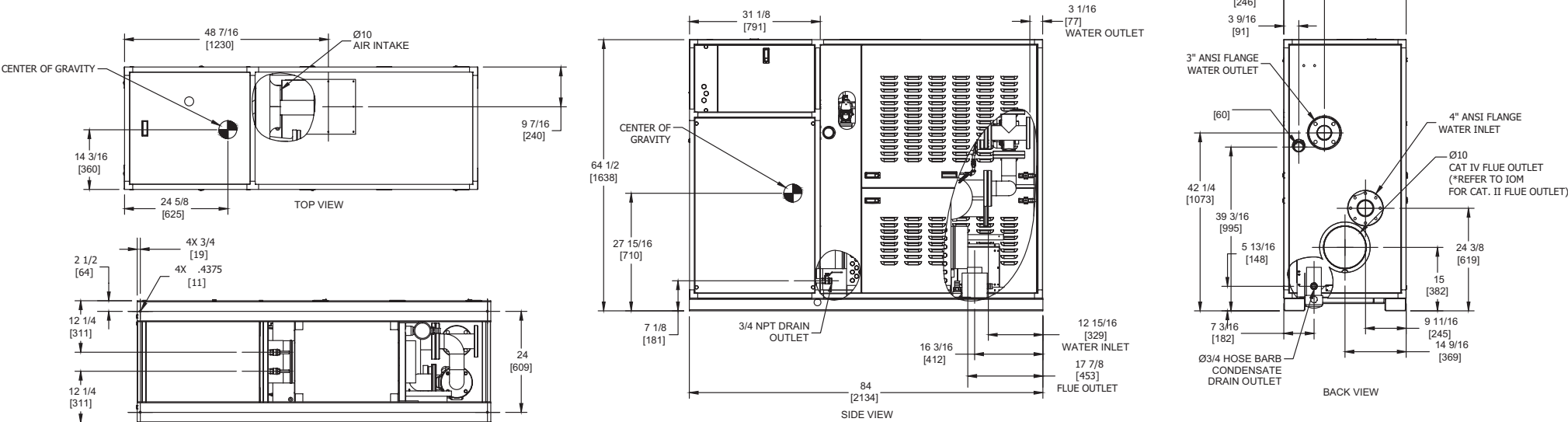


- Notes:**
1. Dimensions are approximate and should not be used to "rough-in" equipment.
 2. Dimensions are subject to change without notice.

FUSION XLF 3000

INDOOR UNIT

RSUB-142 REV F



- Notes:**
1. Dimensions are approximate and should not be used to "rough-in" equipment.
 2. Dimensions are subject to change without notice.

BOILER CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/Propane Gas	Total FLA	17.8* @ 230V
Input BTU/hr.	3,500,000 / 1,026 kW	Min. Gas Pressure Required	3.5" W.C.**
Output BTU/hr.	3,290,000 / 964 kW	Max. Gas Pressure Allowed	14" W.C.
Electrical Requirements	(L1, L2, L3, GND) 208-230 VAC / 3PH / 60Hz	Operating Weight	2,682 lbs / 1,218 Kg

BOILER / WATER HEATER TRIM & CONTROLS

Main Gas Valve	Dungs MBC 4000	Air Switch	HUBA
Firing Valve	2"	Blower Motor	American Fan 5HP - FLA 14
Ignition Control	Honeywell RM7895C	Relief Valve - CW	3/4" x 1" set @ 125 psi
Operating Control	HeatNetTM	Relief Valve - CB	1" x 1-1/4" set @ 50 psi
High Limit	Jumo	Flow Switch	ITT FS8W
Main Ball Valve	2"	Pilot Regulator	White-Rodgers 25m
Economizer	RBI-4000	Circulator - CW	B&G Series 580 (3HP) - FLA 8
Mixing Valve	3"	Circulator - CB	B&G Series e-80 (3 HP) - FLA 8
		By-Pass Piping	3"

A.S.M.E.

ASME Sect IV Htg Surface	377.0 Sq Ft / 35.02 Sq M	Design Data	Max. 125 psig & 250°F
Water Volume	13.4 gal / 50.72 Liters		
Water Volume Secondary HX	16.2 gal / 61.32 Liters		

* Includes pump
** For incoming gas pressures lower than 3.5" W.C. natural or propane, consult factory.

BOILER TEMPERATURE RISE / PRESSURE DROP

30°F / 16.7°C			
Flow Rate***		Total Loss****	
GPM	L/s	Ft	kPa
203.0	12.8	29.7	88.8

*** Primary Heat Exchanger
**** Includes primary, secondary, mixing valve and piping.

WATER HEATER HOURLY RECOVERY CAPACITY (GPH & LPH)

40°F	22°C	60°F	33°C	80°F	44°C	100°F	56°C	120°F	67°C	140°F	78°C
9,863	37,284	6,576	24,856	4,932	18,642	3,945	14,914	3,288	12,428	2,818	10,653

REP FIRM

SUBMITTED BY

JOB NAME

ARCHITECT

ENGINEER

CONTRACTOR

DATE

FUSION XLF 3500

Category II or IV Appliance

(see Installation and Operation Manual for venting information)

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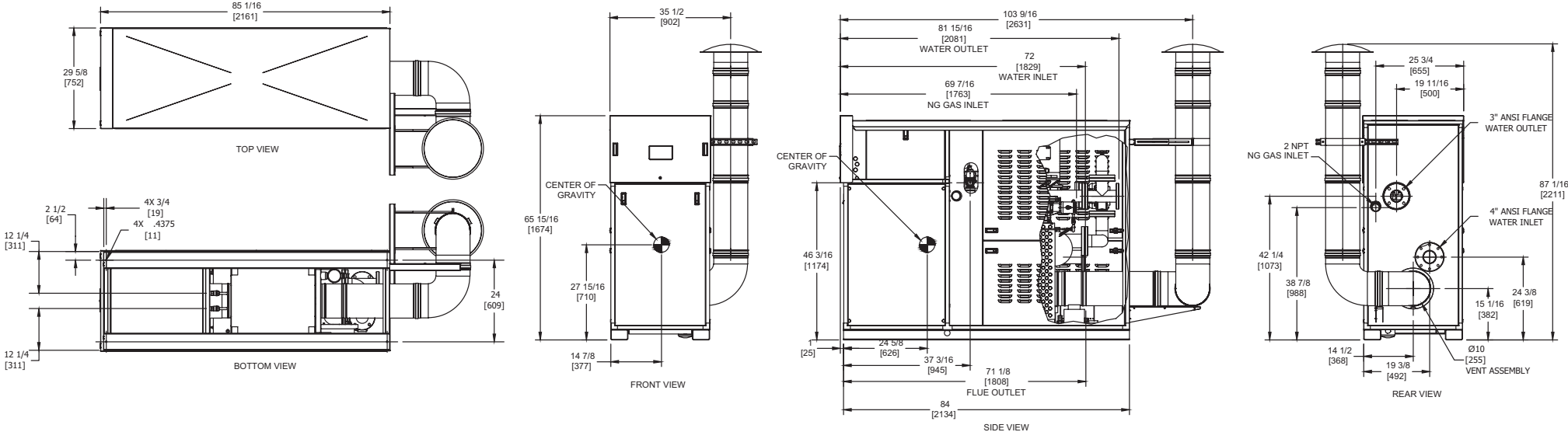
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Westfield, MA 01085

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OUTDOOR UNIT

RSUB-146 REV F

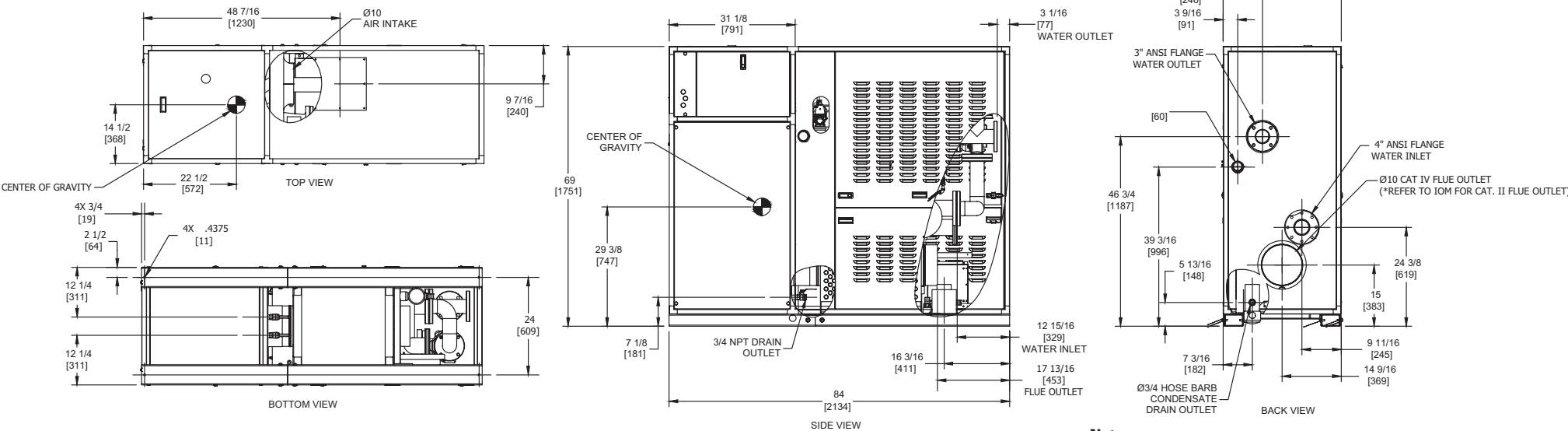


- Notes:**
1. Dimensions are approximate and should not be used to "rough-in" equipment.
 2. Dimensions are subject to change without notice.

FUSION XLF 3500

INDOOR UNIT

RSUB-143 REV F



- Notes:**
1. Dimensions are approximate and should not be used to "rough-in" equipment.
 2. Dimensions are subject to change without notice.

BOILER CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/Propane Gas	Total FLA	24.7* @ 230V
Input BTU/hr.	4,000,000 / 1172 kW	Min. Gas Pressure Required	3.5" W.C.**
Output BTU/hr.	3,760,000 / 1102 kW	Max. Gas Pressure Allowed	14" W.C.
Electrical Requirements	(L1, L2, L3, GND) 208-230VAC / 3PH / 60 Hz	Operating Weight	2,799 lbs / 1,271 Kg

BOILER / WATER HEATER TRIM & CONTROLS

Main Gas Valve	Dungs MBC 4000	Air Switch	HUBA
Firing Valve	2"	Blower Motor	American Fan 5 HP - FLA 14
Ignition Control	Honeywell RM7895C	Relief Valve - CW	1" x 1" set @ 125 psi
Operating Control	HeatNetTM	Relief Valve - CB	1-1/2" x 1-1/2" set @ 50 psi
High Limit	Jumo	Flow Switch	ITT FS8W
Main Ball Valve	2"	Pilot Regulator	White-Rodgers 25m
Economizer	RBI-4000	Circulator - CW	B&G Series 580 (5 HP) - FLA 14
Mixing Valve	3"	Circulator - CB	B&G Series e-80 (5 HP) - FLA 14
		By-Pass Piping	3"

A.S.M.E.

ASME Sect IV Htg Surface	435.0 Sq Ft / 40.41 Sq M	Design Data	Max. 125 psig & 250°F
Water Volume	14.0 gal / 53.00 Liters		
Water Volume Secondary HX	16.2 gal / 61.32 Liters		

* Includes pump
** For incoming gas pressures lower than 3.5" W.C. natural or propane, consult factory.

BOILER TEMPERATURE RISE / PRESSURE DROP

30°F / 16.7°C			
Flow Rate***		Total Loss****	
GPM	L/s	Ft	kPa
232.0	14.6	36.9	110.3

*** Primary Heat Exchanger
**** Includes primary, secondary, mixing valve and piping.

WATER HEATER HOURLY RECOVERY CAPACITY (GPH & LPH)

40°F	22°C	60°F	33°C	80°F	44°C	100°F	56°C	120°F	67°C	140°F	78°C
11,405	43,109	7,603	28,739	5,702	21,555	4,562	17,244	3,802	14,370	3,258	12,317

REP FIRM _____
SUBMITTED BY _____
JOB NAME _____
ARCHITECT _____
ENGINEER _____
CONTRACTOR _____
DATE _____

FUSION XLF 4000

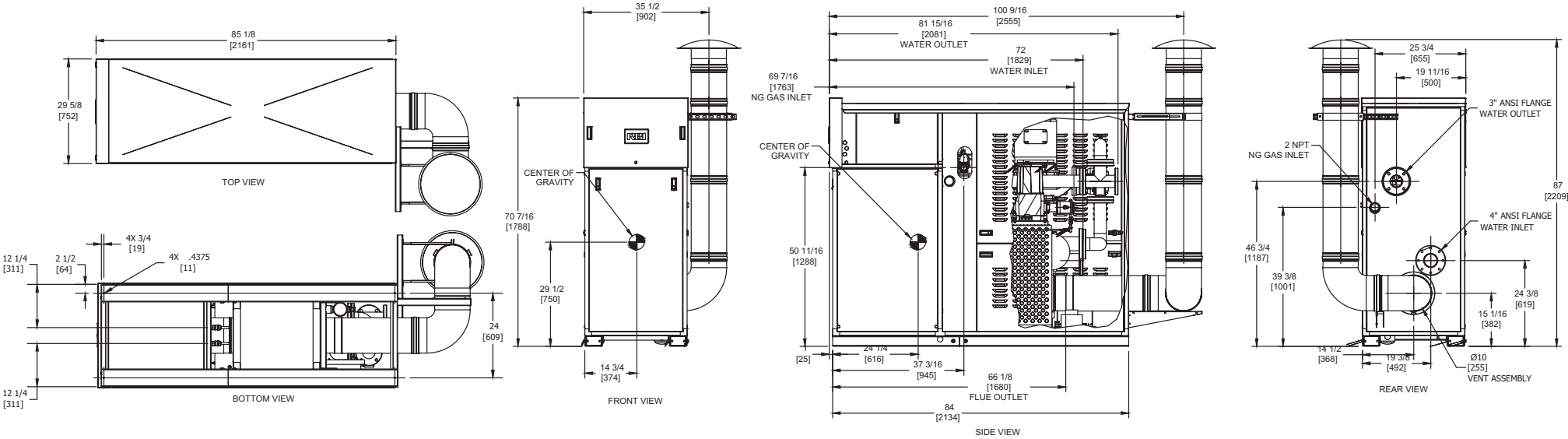
Category II or IV Appliance
 (see Installation and Operation Manual for venting information)

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OUTDOOR UNIT

RSUB-147 REV F



Notes:

1. Dimensions are approximate and should not be used to "rough-in" equipment.
2. Dimensions are subject to change without notice.

FUSION XLF 4000