Lochinvar®
HIGH EFFICIENCY BOILERS & WATER HEATERS

SHIELD™ WATER HEATER Submittal Sheet

SWH-Sub-03a

SHIELD COMMERCIAL GAS WATER HEATER

JOB NAME Webster University Science Building
LOCATION
ENGR.
WHOLESALER Atlas Supply Company
MECH. CONTRACTOR Deluca Plumbing Company
MODEL NO. SNA401-125
TYPE GAS Natural Gas
Btu/hr INPUT 399,9999
RECOVERY RATE IN GPH 465 **@** 100 **°F RISE**
NOTES

Standard Features

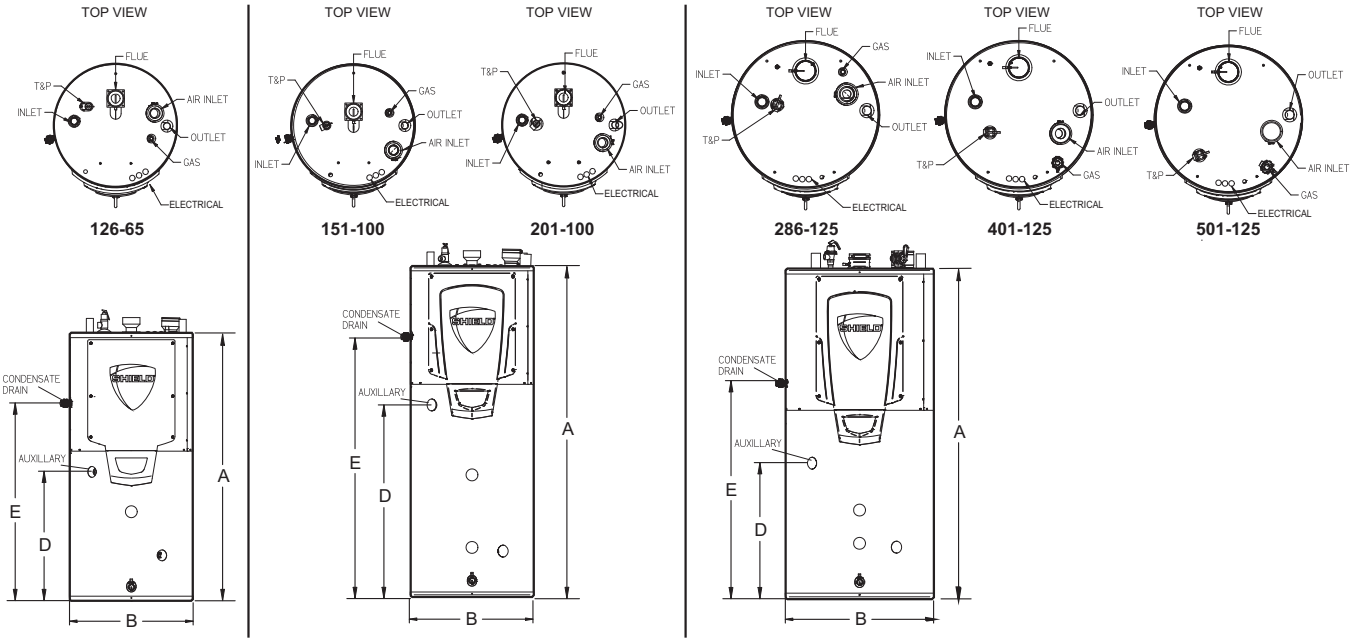
- 96% Thermal Efficiency
- Modulating Burner with 5:1 Turndown
- Operates at Temperatures up to 180˚F for Sanitizing Applications
- Stainless Steel Heat Exchanger
- Glass-Lined Steel Tank
- Magnesium Anode Rods
- 150 PSI Working Pressure
- ASME Construction (SNA151–501)
- ASME Temperature and Pressure Relief Valve
- Zero Clearances to Combustible Material
- PVC, CPVC, Polypropylene and Stainless Steel Venting up to 100 Equivalent Feet
- Direct-Vent Sealed Combustion
- Rooftop and Sidewall Venting
- Sidewall Vent Termination
- Advanced SMART Control, with:
  - LCD Display
  - Time Clock
  - Night Setback
  - Alarm Contacts
  - Runtime Contacts
  - Manual Reset High Limit
  - 3 Water Temperature Sensors
  - Flue Temperature Sensor
  - Contacts for Louvers
  - Adjustable Pump Delay
  - Security Protection
- Low-NOx Operation
- Low Gas Pressure Operation
- Direct-Spark Ignition
- Certified for Installation on Combustible Floors
- Full Port Brass Drain Valve
- 8-Foot Power Cord
- 3-Year Limited Warranty
- 1-Year Parts Warranty

Optional Equipment

Place an X in the box by all options that apply

- ☐ Alarm Bell
- ☐ Concentric Vent Kit
- ☐ Condensate Neutralization Kit
- ☐ Low Water Cutoff
- ☐ Tank Side Tappings for Alternate Heat Source

SHIELD Commercial Gas Water Heater Dimensions & Specifications



Model Number	Btu/hr Input	Capacity (Gal)	GPH @ 100° Rise	First Hour	A	B	D	E	Gas Conn.	Water Conn.	Air Inlet	Vent Size	Shipping Wt. (lbs.)
SNR126-065	125,000	65	145	197	60-1/4"	28"	29-1/2"	45-1/4"	1/2"	1-1/2"	3"	3"	508
SNR151-100	150,000	90	175	247	75-1/2"	28"	44"	59-1/2"	1/2"	1-1/2"	3"	3"	588
SNR201-100	199,999	90	233	305	75-1/2"	28"	44"	59-1/2"	1/2"	1-1/2"	3"	3"	601
SNA151-100*	150,000	90	175	247	75-1/2"	28"	44"	59-1/2"	1/2"	1-1/2"	3"	3"	645
SNA201-100*	199,999	90	233	305	75-1/2"	28"	44"	59-1/2"	1/2"	1-1/2"	3"	3"	657
SNA286-125*	285,000	120	332	428	75-1/2"	34"	31"	49"	3/4"	2"	4"	4"	831
SNA401-125*	399,999	120	465	561	75-1/2"	34"	31"	49"	1"	2"	4"	4"	889
SNA501-125*	500,000	120	582	678	75-1/2"	34"	31"	49"	1"	2"	4"	4"	909

Change N to L for LP gas. *Field convertible to LP Gas* *Electrical Requirements: 120 VAC/60Hz/Phase* **A = ASME Construction* *All Information is subject to change.*

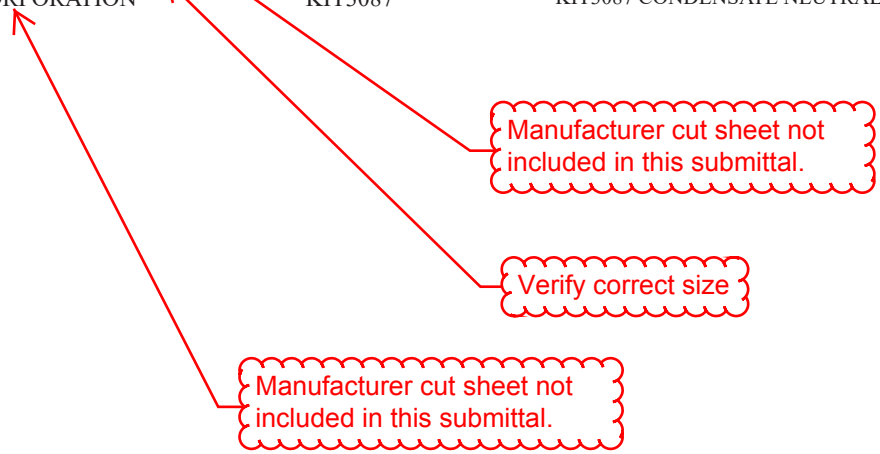
Lochinvar®
HIGH EFFICIENCY BOILERS & WATER HEATERS

Lochinvar, LLC
300 Maddox Simpson Parkway
Lebanon, Tennessee 37090
P: 615.889.8900 / F: 615.547.1000
Lochinvar.com

10/16—Printed in U.S.A.

TABLE OF CONTENTS

VENDOR	VENDOR PART	DESCRIPTION
GWH		
LOCHINVAR CORPORATION	SNA401125	SNA401125 WATER HEATER
WATTS REGULATOR COMPANY	LF3012	LF3012 2" FXC DIELCTRIC UNION
WATTS REGULATOR COMPANY	PLT35	PLT35 EXPANSION TANK
LOCHINVAR CORPORATION	KIT3087	KIT3087 CONDENSATE NEUTRALIZATION

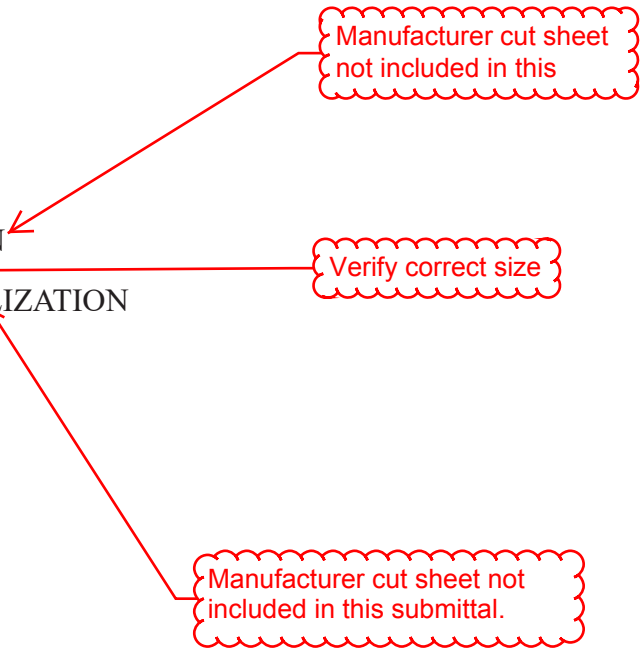


SECTION NAME:

GWH

ITEMS CONTAINED IN SECTION:

- SNA401125 WATER HEATER
- LF3012 2" FXC DIELCTRIC UNION
- PLT35 EXPANSION TANK
- KIT3087 CONDENSATE NEUTRALIZATION



CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

Joe Voypick
SUBMITTED BY

223400-010
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

223400
SPECIFICATION SECTION / PARAGRAPH

Deluca Plumbing
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

◯ CRITICAL

ITEM BEING SUBMITTED (check only one)

- ◯ Shop Drawings
- ◯ Samples (_____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◯ Record Documents
- ◉ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ O&M Manuals
- ◯ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ◯ Information Only ◯ Record

REMARKS OR DEVIATIONS

Approved per Webster University

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

Joe Voypick
REVIEWED BY

11/9/16
DATE

To be completed by Reviewer

22 3400-010 REV002
CANNON DESIGN SUBMITTAL NUMBER

11/10/16
RECEIVED DATE

- ◯ A. No Exceptions Taken
  No further review of submittal is required.
- ◯ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ◯ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ◯ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ◯ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ◯ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ◯ See attached sheet(s) for additional comments

REVIEWED BY

DATE

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0317

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 11/09/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Water Heater Product Data ReSubmission

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☑ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	**SENT VIA:**	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☑ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	*Package*	*Code*	*Rev.*	*Copies*	*Date*	*Description*	*Status*
Submittal		223400-010	2		11/09/2016	Water Heater Product Data ReSubmission	Submitted

NOTES:

CC:

Signed: _____

Devin Gates

Shop Drawing Submittal

Project Name:	WEBSTER ISB
Specification #	**223400-02**
Specification Description:	Domestic Water Heater
Date:	11-9-16
General Contractor / Construction Manager:	PARIC
ARCHITECT:	KWA
ENGINEER:	William Tao / Webb
Contractor:	DeLuca Plumbing, L.L.C. 8465 Delport Drive St. Louis, MO 63114
Supplier:	Atlas
Manufacturer:	Lochinvar
Reviewed & Approved by:	DeLuca Plumbing 11-09-16
Action:	Forward to GC/CM for Review & Approval

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HIGH EFFICIENCY BOILERS & WATER HEATERS

SHIELD™ WATER HEATER Submittal Sheet

SWH-Sub-04

SHIELD COMMERCIAL GAS WATER HEATER

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LOCATION _____
ENGR. _____
WHOLESALER _____
MECH. CONTRACTOR _____
MODEL NO. _____
TYPE GAS _____
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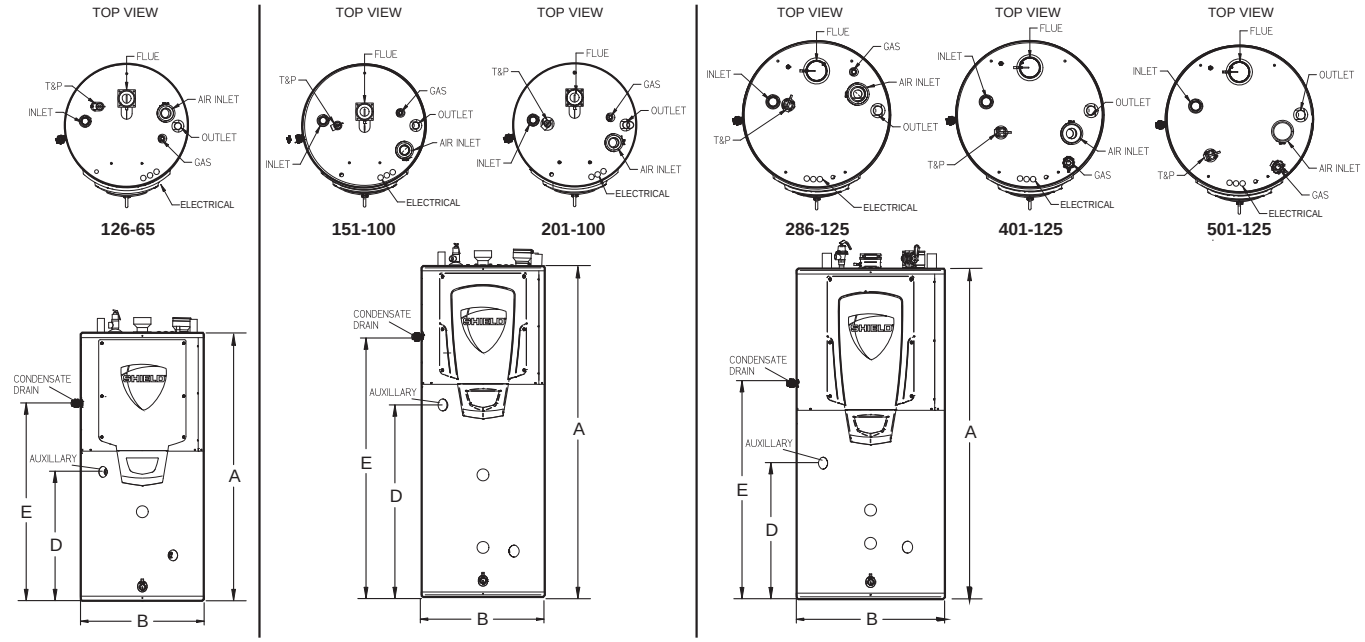

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