Item No.	Qty.	Catalog Number / Details
064-00	1	**INTEGRATED POWER CENTERS** **Designation:** SB1 INTEGRATED SOLUTIONS Square D Integrated Power Center Designation: SB1 Tested In Accordance With UL 891 Accessibility: Front Enclosure: Type 1 Seismically Qualified Shipping splits: Square D Preference Phenolic White Surface / Black Letters Nameplate Total Number of Sections: 2 Release - 3/1/2016, Processed - 3/17/2016 12:27:56 PM Section 1 2 cells over 1 cell Transformer Combo Section Width: 48 in Section Depth: 36 in Section Height: 91.5 in ANSI 49 Gray No section to left (closed end) Orders containing 15 or more INEQ sections may be delivered in staggered shipments: 10 units based on the product lead time, with 10 additional units each week after, until order is complete. Contact Salisbury customer service to prioritize shipments. Integrated Power Center to right Designation: EMPTY Equipment Space Location: Top Left - Section 1 Cell is provided Empty Phenolic White Surface / Black Letters Nameplate Designation: EMPTY Equipment Space Location: Top Right - Section 1 Cell is provided Empty Phenolic White Surface / Black Letters Nameplate Designation: XFMR Low Voltage Energy Efficient Transformer Location: Bottom - Section 1 225kVA Three Phase 480V-208Y/120V Aluminum Windings EX225T3HB 220 Degree C Insulation, 80 deg C rise Fed from Cable by others - Top Phenolic White Surface / Black Letters Nameplate

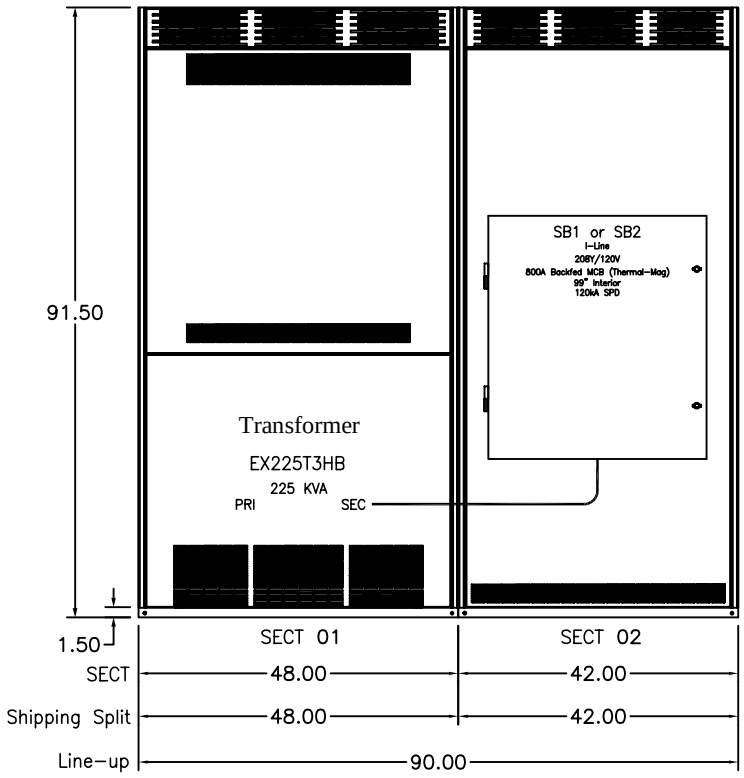
Item No.	Qty.	Catalog Number / Details
		Section 2 1 single cell Integrated Power Center 2 Section Width: 42 in Section Depth: 36 in Section Height: 91.5 in ANSI 49 Gray Orders containing 15 or more INEQ sections may be delivered in staggered shipments: 10 units based on the product lead time, with 10 additional units each week after, until order is complete. Contact Salisbury customer service to prioritize shipments. Transformer Combo to left Designation: SB1 I-Line Panel Interior Location: Single Cell-Section 2 208Y/120V 3Ph 4W 60Hz AIR: 25k System Protection: Fully Rated 800A Backfed Breaker Thermal Mag - Standard Copper Mechanical Lugs Bus Bar: Copper 99" of circuit breaker mounting space Hinged trim Ground Bar: Standard Copper Door Lock w/keys Neutral: Copper Included SPD Surge Suppression Peak Surge Rating: 120 kA With Dry Contacts With Surge Counter Fed from transformer secondary Section 1 - XFMR Phenolic White Surface / Black Letters Nameplate Branch Breakers 3 - QDA36225 225A - 3 P - Thermal-Magnetic 3 - QDA36225 225A - 3 P - Thermal-Magnetic

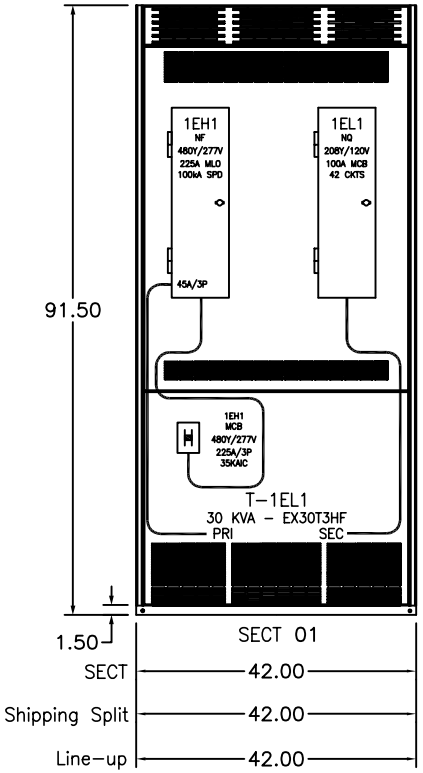
Front Elevation and Footprint for Equipment Line-Up

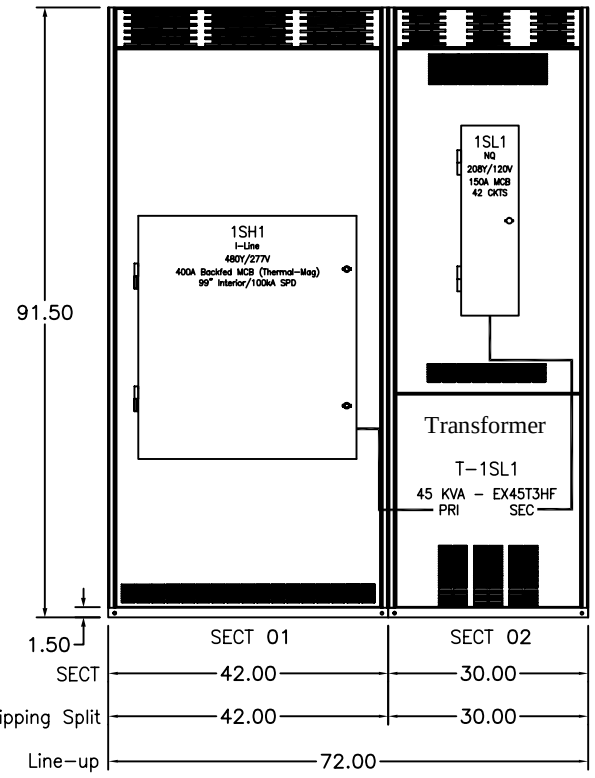
Q2C Number: 37999262: 3

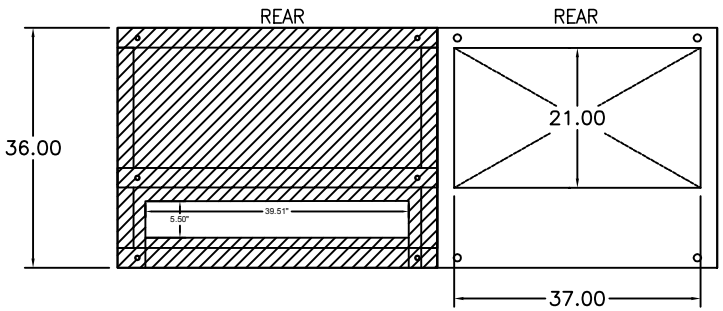
LEGEND

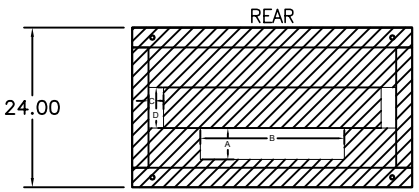
——— - FACTORY SUPPLIED CABLE

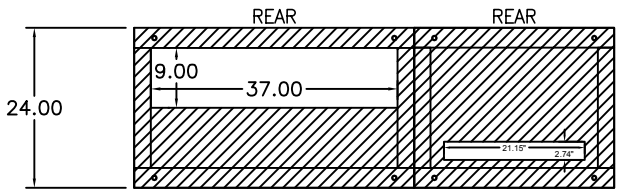












42 X 24 N1/N3R CONDUIT OPENING				
KVA	A	B	C	D
15	4.71	21.63	2.25	6.12
30/45	3.09	21.63	2.25	6.12
75	5.2	7.92	2.25	6.12
112	4.71	8.13	2.25	6.12

INDICATES EQUIPMENT THAT INTERFERES WITH CONDUIT ENTRY

Job Name	Webster University ISB	Equipment Designation	SB1, SB2, 1EH1/1EL1 & 1SH1/1SL1
Job Location	Webster Groves, MO	Equipment Type	IPC2 (UL891 Rated) - NEMA 1
Drawn By	BES	Drawing Type	FRONT ELEVATION & FOOTPRINT
Engineer			
Date	5/6/2016		
Dwg Status	PROPOSAL (NOT FOR CONSTRUCTION)	Drawing #	

SQUARE D Schneider Electric

WM TAO & ASSOCIATES
CONSULTING ENGINEERS

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: July 19, 2016

Attention: **stl-cac@cannondesign.com**

Contact Person / WTA Field Inspector: Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Bill Shaw

Project No. WT 14127.01

[ ] UPS [ ] Courier [X] **Email**

Copies	No.	Description
1 PDF	264000E01	(Submittal No. 264000-001) Electrical Distribution

Submittal Review Comments

Circuit breaker size and position shall match panel schedules on sheets EO503, 504, 505, & 506.

c: **Kelvin Patel**
Kpatel@cannondesign.com

[ ] Furnish as Submitted [ ] Furnish as Noted

[ ] Rejected [X] ***Revise & Resubmit**

[ ] Reviewed [ ]

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.

7955 Manchester Road, Suite 125 • St. Louis, Missouri 63143-2711 • Phone: 314-884-7600 • Fax: 314-884-7601

If enclosures are not as noted, please notify us at once.

Sara Trout (314) 884-7645

WTASHOP - Webster ISB - 26 4000-001

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, WTASHOP <wtashop@wmtao.com>
Date: 7/5/2016 11:40 AM
Subject: Webster ISB - 26 4000-001
Cc: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>, "Grossman, Lynn" <lgrossman@C...
Attachments: 264000-001 Electrical Distribution.pdf

Attached for review.

Melissa Pirtle
Construction Admin
CANNONDESIGN
1100 Clark Ave
St. Louis, Missouri 63102
T 314.425.8797 • M
cannondesign.com

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

264000-001
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

264000
SPECIFICATION SECTION / PARAGRAPH

Guarantee Electrical
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

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

7/5/16
DATE

To be completed by Reviewer

26 4000-001
CANNON DESIGN SUBMITTAL NUMBER

7/5/16
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. 15051-0114

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 07/05/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Electrical Distribution

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		264000-001	1		07/05/2016	Electrical Distribution	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates

GUARANTEE
ELECTRICAL CONSTRUCTION

3415 Bent Avenue
St. Louis, MO 63116
Phone: (314) 772-5400
Fax: (314) 772-2526

Transmittal

To Paric Corporation

Date 7/1/16

Job Number 11317

Job Name Webster Univ. ISB Building

Attention Devin Gates

Transmittal Number 11317-005

We are sending you:

- X Attached
- ___ Under separate cover, the following:
- ___ Preliminary Drawings
- ___ Samples
- ___ Construction Drawings
- ___ Copy of Letter
- ___ Specifications
- ___ Other

Quantity	Drawing #	Date/Revision	Description
1			Submittal for Distribution - Spec Section
			26 40 00

These are transmitted as checked:

- X For Your Review & Comment
- X For Approval
- ___ For Your File
- ___ As Requested
- ___ Approved As Noted
- ___ Returned For Corrections
- ___ Approved As Submitted
- ___

Copy: Transmittal Enclosure

___ ___
___ ___
___ ___

Rick Branstetter

Signed: Rick Branstetter, Project Manager

Webster University ISB

Approval Drawing Package

Factory Order #: 37999262

06/13/2016

Distributor:
Graybar

Contractor/Installer:
Guarantee Electric / TD4

Consulting Engineer:
Wm Tao & Associates

Lou Feldhaus
Sales Representative

Jake Kaufman
Project Manager
North American Operating Division
(636) 329-2265
jacob.kaufman@schneider-electric.com

Life Is On Schneider Electric

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Power Dry II- Dry-Type, Small Power Transformer Brochure

Model 98A Digital Temperature ControllerFor Medium Voltage Transformers

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1EL1

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Schneider Electric

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NF Panelboard Handout

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Internal Modular SPD Brochure

SurgeLoc SPD for NQ Panelboards

CONTACTORS AND STARTERS

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8538SCG

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8538SCA - KEF-1

2510FG

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LPJ Fuses 70 - 600 Amps