



**Fig. 2:** Four pole, Closed Transition Transfer Switch rated 1000 Amperes in Type 1 enclosure.

## Closed Transition Transfer Switching

ASCO Automatic Closed Transition Transfer Switches feature main contacts that overlap, permitting the transfer of electrical loads without power interruption. The switch transfers in a make-before-break mode if both sources are within acceptable parameters. Control logic continuously monitors source conditions and automatically determines whether the load transfer should be open (conventional non-overlap mode) or closed transition. Available 150 through 4000 Amperes.

Closed Transition Transfer within 5 electrical degrees is achieved passively, without control of engine generator set. Therefore, no additional control wire runs are required between the ATS and engine generator set governor. Plus, protective relaying may not be required under normal operation since the contact overlap time is less than 100 milliseconds (consult your local utility on protective relay requirements).

Failure to synchronize indication and extended parallel time protection is built-in to all 7000 SERIES closed transition controls to prevent abnormal operation.

## Delayed Transition Transfer Switching

ASCO Delayed Transition Transfer Switches are designed to provide transfer of loads between power sources with a timed load disconnect position for an adjustable period of time. Applications include older style variable frequency drives, rectifier banks, and load management applications.

- Available in 150 through 4000 Amperes.
- Utilizes reliable, field proven solenoid operating mechanisms.
- Mechanical interlocks to prevent direct connection of both sources.
- Indicator light (16mm, industrial grade type LED) for load disconnect position.
- Adjustable time delay for load disconnect position.



**Fig. 3:** Four pole, Delayed Transition Transfer Switch rated 2000 Amperes.

## Automatic Transfer Bypass-Isolation Switches



**Fig. 5:** Rated  
150-600 Amps



**Fig. 6:** Rated  
600- 1200 Amps



**Fig. 7:** Rated  
800-3000 Amps

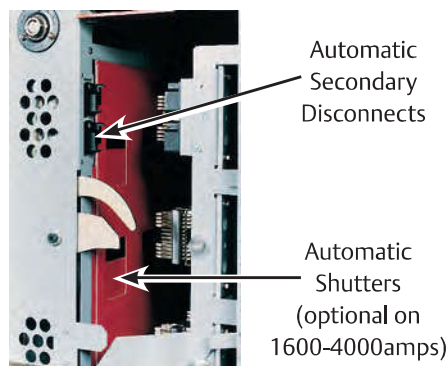


**Fig. 8:** Rated  
4000 Amps

ASCO Automatic Transfer & Bypass-Isolation Switches are available in open transition, closed transition and delayed transition designs. The bypass and isolation features allow the primary automatic transfer switch to be inspected, tested, and maintained without any interruption of power to the load. They also provide redundant power transfer in the event the ATS is disabled or removed from service.

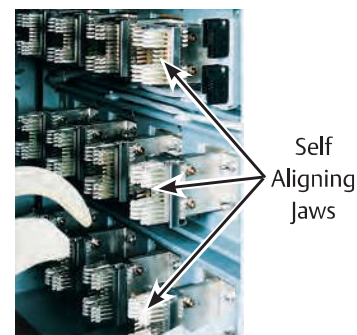
- Available 150 to 4000 Amperes.
- Allows bypass-isolation without load interruption.
- Bypass switch and transfer switch have identical electrical ratings.
- Heavy duty mechanical interlocks prevent undesirable operation.
- Bypass contacts carry current only during bypass mode.
- Transfer switch is drawout design for ease of maintenance.
- Bypass and isolation handles are permanently mounted. The bypass switch has dead front quick-make, quick-break operation for transferring of loads between live sources.
- Bypass switch is fully rated for use as a manual 3-position transfer switch.
- Bypass and isolation functions are simple, requiring a total of two operating handles.
- No toggle switches, push buttons, selector switches or levers are required for bypass-isolation operation.
- Mechanical indicators show bypass and transfer switch positions.
- 800 -1200 ampere available in shallow depth, front connected or rear connected designs.

## Transfer Switch Drawout Features (150-4000 Amperes)



**Fig. 9:** Bypass-Isolation Transfer Switch secondary disconnects and optional automatic shutters.

- Automatic secondary disconnects remove all control power as switch is withdrawn.
- Drawout carriage provides for easy transfer switch maintenance and/or removal via commercially available breaker hoists.
- Optional transfer switch lifting yoke kit available
- Optional automatic shutters which close when the transfer switch is withdrawn to provide bus isolation, specify accessory 82C.(1600-4000A only)



**Fig. 10:** Bypass-Isolation Transfer Switch self aligning power jaws.

# ASCO® 7000 SERIES Power Switching Solutions

## Bypass and Isolation Handles - Simple as 1, 2, 3

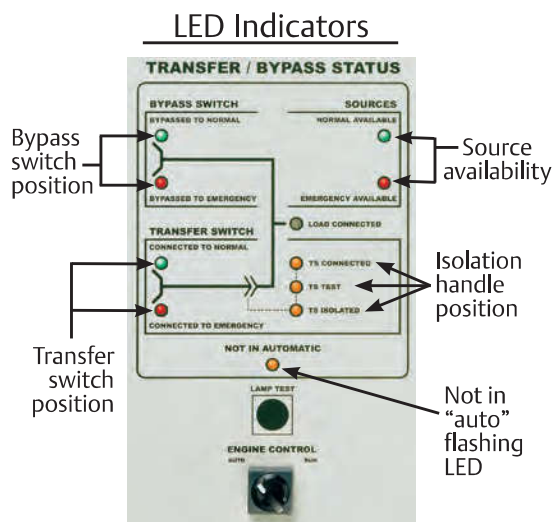


Fig. 11: Transfer Bypass

Status Panel\*

\*Standard on switches up through H 1200A.  
Specify ACC 82E for G frame 1600-4000A



Mechanical isolation handle position window (connected/test/isolate)

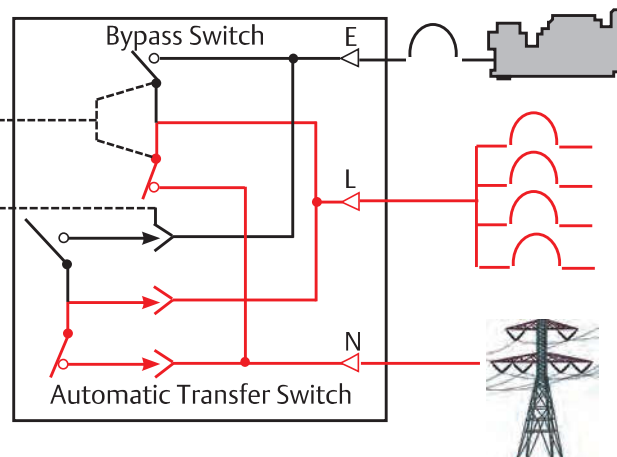
Fig. 12: Bypass-Isolation Switch user interface

### 1 Bypass to Normal

Push in bypass handle and turn it counter clockwise

Bypass Handle

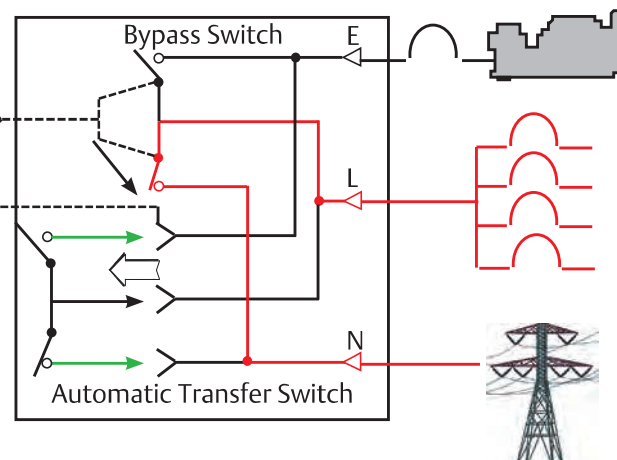
Isolation Handle



### 2 Test Position

Isolation Handle

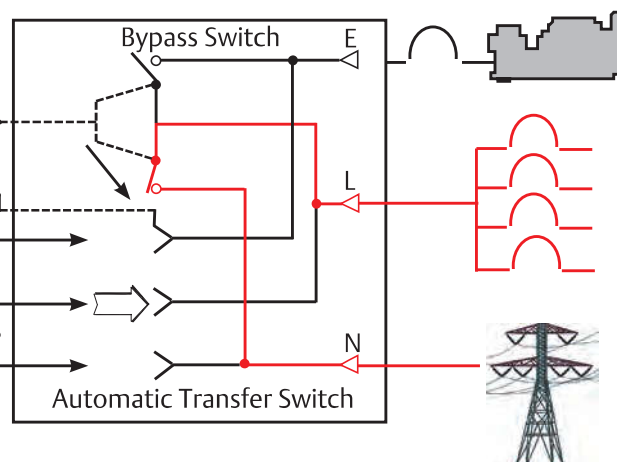
Turn isolation handle counter clockwise until window shows "Test"



### 3 Isolation Position

Isolation Handle

Turn isolation handle counter clockwise until window shows "Isolate"



Key:

Represents Current Flow

In test position control panel remains energized to allow for electrical operation of a transfer switch.

# ASCO® 7000 SERIES Ordering Information

To order an ASCO 7000 SERIES Power Transfer Switch, complete the following catalog number:

7    A                      TS                      +    A                      +    3                      +    400                      +    N                      +    5X                      +    C

|   |                   | Product |                           | Neutral Code* |                     | Phase Poles      | Amperes | Voltage Code                                     |     | Grp Code                       | Enclosure                                                      |                  |
|---|-------------------|---------|---------------------------|---------------|---------------------|------------------|---------|--------------------------------------------------|-----|--------------------------------|----------------------------------------------------------------|------------------|
| A | Automatic         | TS      | Conventional 2-Position   | ---           | No Neutral          | 2<br>3           | 30      | A                                                | 115 | 5X-<br>optional<br>accessories | ---                                                            | No enclosure     |
|   |                   |         |                           |               |                     |                  | 70      | B                                                | 120 |                                | C                                                              | Type 1 enclosure |
| N | Non-Automatic     | TB      | Open Transition Bypass    | A             | Solid Neutral       | 100              | C       | 208                                              | F   |                                | Type 3R <sup>3</sup> enclosure                                 |                  |
|   |                   |         |                           |               |                     | 150              | D       | 220                                              | G   |                                | Type 4 enclosure                                               |                  |
|   |                   |         |                           |               |                     | 200 <sup>1</sup> | E       | 230                                              | H   |                                | Type 4X <sup>2</sup> enclosure (304 stainless steel)           |                  |
|   |                   |         |                           |               |                     | 230 <sup>1</sup> | F       | 240                                              | L   |                                | Type 12 enclosure                                              |                  |
|   |                   |         |                           |               |                     | 260              | H       | 380                                              | M   |                                | Type 3R <sup>3</sup> secure double door                        |                  |
|   |                   |         |                           |               |                     | 400              | J       | 400                                              | N   |                                | Type 4 secure double door                                      |                  |
| M | Manually Operated | CTB     | Closed Transition Bypass  | B             | Switched Neutral    | 600              | K       | 415                                              | P   |                                | Type 4X <sup>2</sup> secure double door (304 stainless steel)  |                  |
|   |                   |         |                           |               |                     | 800              | L       | 440                                              | Q   |                                | Type 12 secure double door                                     |                  |
|   |                   | DTS     | Delayed Transition        | C             | Overlapping Neutral | 1000             | M       | 460                                              | R   |                                | Type 3RX <sup>2</sup> secure double door (304 stainless steel) |                  |
|   |                   |         |                           |               |                     | 1200             | N       | 480                                              | U   |                                | Type 4X enclosure (316 stainless steel)                        |                  |
|   |                   | DTB     | Delayed Transition Bypass | 1600          | P                   | 550              | V       | Type 4X secure double door (316 stainless steel) |     |                                |                                                                |                  |
|   |                   |         |                           | 2000          | Q                   | 575              |         |                                                  |     |                                |                                                                |                  |
|   |                   |         |                           | 2600          | R                   | 600              |         |                                                  |     |                                |                                                                |                  |
|   |                   |         |                           | 3000          |                     |                  |         |                                                  |     |                                |                                                                |                  |
|   |                   |         |                           | 4000          |                     |                  |         |                                                  |     |                                |                                                                |                  |
|   |                   |         |                           |               |                     |                  |         |                                                  |     |                                |                                                                |                  |

\*Notes: 1. 200 and 230 amp switch limited to 480 volts maximum.

2. Type 304 stainless steel is standard. To provide an improved reduction in corrosion in salt or marine environments, specify optional type 316 stainless steel.

3. Type 3R enclosures are not suitable for installations conducive to windblown snow or rain conditions.

4. Conventional switch neutral is provided on closed and delayed transition transfer products when specified.

5. A comprehensive ASCO Limited Guardian Warranty covers 7000 Series Power Transfer Switch(s) and warrants the product to be free of defects in material and workmanship from date of shipment. The warranty provides:

- 2 years for labor and travel expenses (extendable in 1 year increments up to 5 years for a nominal fee).
- 5 years for parts (2 years for circuit breakers).
- 10 years for main contacts.

Refer to Publication 3227 for warranty details, terms and conditions.

The Example Catalog Number above is 7ATS3400N5XC  
(X is used to specify optional accessories).

## Transfer Switch Configurations

7ATS, 7NTS, 7ADTS, 7ACTS, 7NDTS, 7NCTS  
Sizes of UL-Listed Solderless Screw-Type  
Terminals for External Power Connections

| Switch Rating<br>amps                       | Max # of Conductors<br>per Terminal | Range of AL-CU<br>Conductor Sizes |
|---------------------------------------------|-------------------------------------|-----------------------------------|
| 30 - 230 <sup>3</sup> ATS & NTS Only        | One                                 | #14 to 4/0 AWG                    |
| 150*, 260, 400<br>*150 for CTS and DTS Only | One                                 | #4 AWG to 600 MCM                 |
|                                             | Two                                 | #1/0 AWG to 250 MCM               |
| 600                                         | Two                                 | #1/0 AWG to 600 MCM               |
| 800-1200 <sup>1</sup>                       | Four                                | #1/0 AWG to 600 MCM               |
| 1600-2000 <sup>2</sup>                      | Six                                 | #1/0 AWG to 600 MCM               |
| 2600-3000 <sup>2</sup>                      | Twelve                              | #1/0 AWG to 600 MCM               |
| 4000 <sup>2</sup>                           | Twelve                              | #2/0 AWG to 600 MCM               |

Notes: 1. Unit is designed for top cable entry of emergency and load and bottom entry of normal. Optionally, the switch may be supplied with reverse source and/or bottom entry load, when specified.

2. All main terminals are rear connected.

## Transfer/Bypass Configurations

7ATB, 7NTB, 7ADTB, 7ACTB, 7NDTB, 7NCTB  
Sizes of UL-Listed Solderless Screw-Type  
Terminal for Power Connections

| Switch Rating<br>amps            | Max # of Conductors<br>per Terminal | Range of AL-CU<br>Conductor Sizes |
|----------------------------------|-------------------------------------|-----------------------------------|
| 150, 200, 230                    | One                                 | # 4 AWG to 600 MCM                |
| 260, 400                         | Two                                 | # 1/0 AWG to 250 MCM              |
| 600 <sup>4</sup>                 | Two                                 | # 2 AWG to 600 MCM                |
| 800, 1000, 1200<br>Front Connect | Three                               | # 1/0 AWG to 600 MCM              |
| 800, 1000, 1200 <sup>4</sup>     | Four                                | # 1/0 AWG to 600 MCM              |
| 1600-2000 <sup>4</sup>           | Six                                 | # 1/0 AWG to 600 MCM              |
| 2600, 3000 <sup>4</sup>          | Ten                                 | # 1/0 AWG to 600 MCM              |
| 4000 <sup>4</sup>                | Twelve                              | # 2 AWG to 600 MCM                |

3. 200 and 230 amp rating for copper conductors only for transfer switch configurations only.

4. All main terminals are rear connected. A front connected version is available in 600 and 1200 amp ratings only with top cable entry only. See pages 25-27 for dimensional data and additional information.

# ASCO® 7000 SERIES Designed to Fit Anywhere\*

Dimensions do not include side pull box

## Automatic Transfer Bypass-Isolation in Closed Transition and Delayed Transition Switching. 7ADTB, 7ACTB, 7NDTB, 7NCTB

| Frame                               | Switch Rating Amps                  | Power Connection Configuration | Width Inches (mm) | Height Inches (mm) | Depth Inches (mm) |
|-------------------------------------|-------------------------------------|--------------------------------|-------------------|--------------------|-------------------|
| <b>Enclosed UL Type<sup>1</sup></b> |                                     |                                |                   |                    |                   |
| J                                   | 150, 200, 230, 260, 400, 600        | Front Connected                | 34 (864)          | 85 (2159)          | 28 (711)          |
| H                                   | 800 <sup>3</sup>                    | Front Connected                | 38 (965)          | 91 (2311)          | 32 (813)          |
| H                                   | 1000, 1200                          | Front Connected                | 38 (965)          | 91 (2311)          | 34 (864)          |
| H                                   | 600, 800, 1000, 1200 <sup>2</sup>   | Rear Connected                 | 38 (965)          | 91 (2311)          | 48 (1219)         |
| G                                   | 1600, 2000 <sup>2</sup>             | Rear Connected                 | 38 (965)          | 91 (2311)          | 60 (1524)         |
| G                                   | 2600, 3000 <sup>2</sup>             | Rear Connected                 | 38 (965)          | 91 (2311)          | 72 (1829)         |
| G                                   | 4000 <sup>2</sup>                   | Rear Connected                 | 60 (1524)         | 91 (2311)          | 96 (2438)         |
| <b>Open Configuration</b>           |                                     |                                |                   |                    |                   |
| J                                   | 150, 200, 230, 400, 600             | Front Connected                | 34 (864)          | 85 (2159)          | 28 (711)          |
| H                                   | 600, 800, 1000, 1200 <sup>2</sup>   | Rear Connected                 | 38 (965)          | 72 (1829)          | 38 (965)          |
| G                                   | 1600, 2000, 2600, 3000 <sup>2</sup> | Rear Connected                 | 38 (965)          | 72 (1829)          | 38 (965)          |
| G                                   | 4000 <sup>2</sup>                   | Rear Connected                 | 60 (1524)         | 91 (2311)          | 96 (2438)         |

Notes: 1. Handles extend 6-1/4 inches (159mm).

2. Recommended clearance to enclosure: 3 feet (914mm) from rear, 4 feet (1219mm) from front (25 inches required for transfer switch drawout). Side or rear access required.

3. Specify optional accessory 40J Y for 800 Amp front, 40KY for 1000 Amp, and 40LY for 1200 Amp - connected arrangement. All service and load cables limited to top entry only.

\*All dimensions and weights shown are approximate and should not be used for construction purposes. Certified dimensions can be furnished upon request.

## Shipping Weights

### Automatic Transfer Bypass-Isolation in Closed Transition and Delayed Transition Switching. 7ADTB, 7ACTB, 7NDTB, 7NCTB

| Frame | Switch Rating Amps                        | Poles      | Enclosed lb (kg) | Open lb (kg) |
|-------|-------------------------------------------|------------|------------------|--------------|
| J     | 150, 200, 230, 260, 400 (Front Connected) | 2          | 1255 (572)       | 1125 (513)   |
| J     | 150, 200, 230, 260, 400 (Front Connected) | 3          | 1265 (577)       | 1135 (518)   |
| J     | 150, 200, 230, 260, 400 (Front Connected) | 3 with B/C | 1285 (586)       | 1155 (527)   |
| J     | 600 (Front Connected)                     | 2          | 1315 (600)       | 1215 (554)   |
| J     | 600 (Front Connected)                     | 3          | 1325 (604)       | 1225 (559)   |
| J     | 600 (Front Connected)                     | 3 with B/C | 1345 (613)       | 1245 (568)   |
| H     | 600, 800, 1000 (Rear Connected)           | 3          | 1745 (796)       | 1285 (586)   |
| H     | 600, 800, 1000 (Rear Connected)           | 3 with B/C | 1765 (805)       | 1280 (595)   |
| H     | 1200 (Rear Connected)                     | 3          | 1845 (841)       | 1315 (600)   |
| H     | 1200 (Rear Connected)                     | 3 with B/C | 1865 (850)       | 1335 (609)   |
| H     | 800 (Front Connected)                     | 3          | 1425 (650)       | 1345 (613)   |
| H     | 800 (Front Connected)                     | 3 with B/C | 1445 (659)       | 1365 (622)   |
| G     | 1600, 2000 (Rear Connected)               | 3          | 2385 (1088)      | 1525 (695)   |
| G     | 1600, 2000 (Rear Connected)               | 3 with B/C | 2565 (1170)      | 1705 (777)   |
| G     | 2600, 3000 (Rear Connected)               | 3          | 2755 (1256)      | 1715 (782)   |
| G     | 2600, 3000 (Rear Connected)               | 3 with B/C | 3385 (1544)      | 2315 (1056)  |
| G     | 4000 (Rear Connected)                     | 3          | 6325 (2884)      | Contact ASCO |
| G     | 4000 (Rear Connected)                     | 3 with B/C | 6925 (3158)      | Contact ASCO |

Notes: 1. Open weights include transfer switch, bypass-isolation switch and controller.

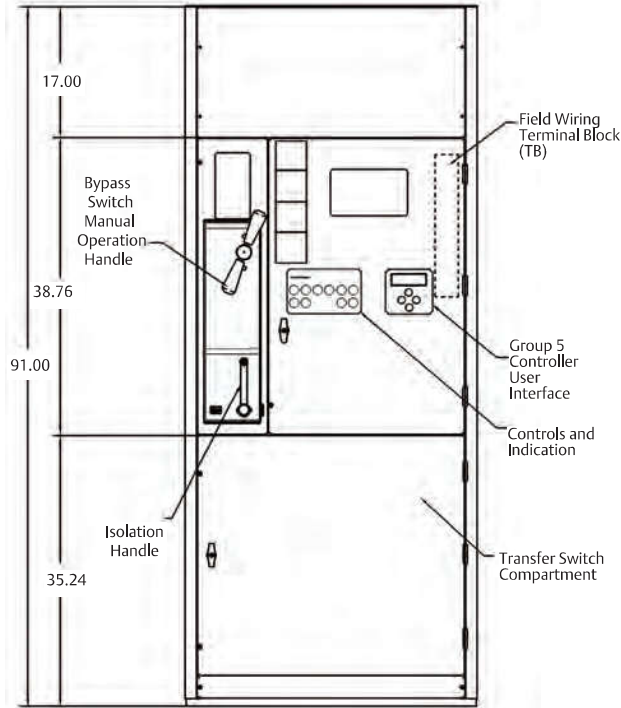
1600-4000 amp enclosures require ventilation openings, refer to drawings for details.

\*All dimensions and weights shown are approximate and should not be used for construction purposes. Certified dimensions can be furnished upon request.

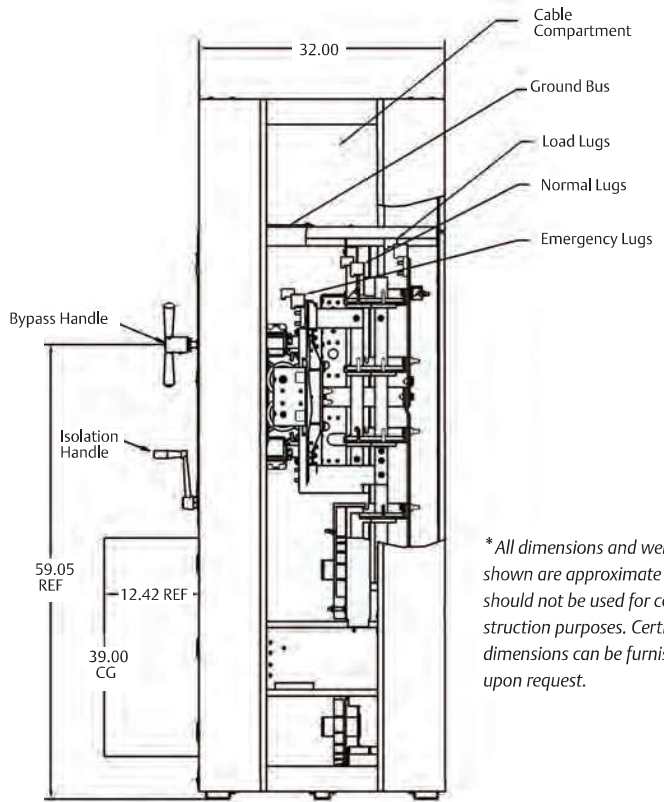
# ASCO<sup>®</sup> 7000 SERIES Designed to Fit Anywhere\*

## Optional Front Connected Design Saves Valuable Space

### 800 Amp Optional Front Connected Design



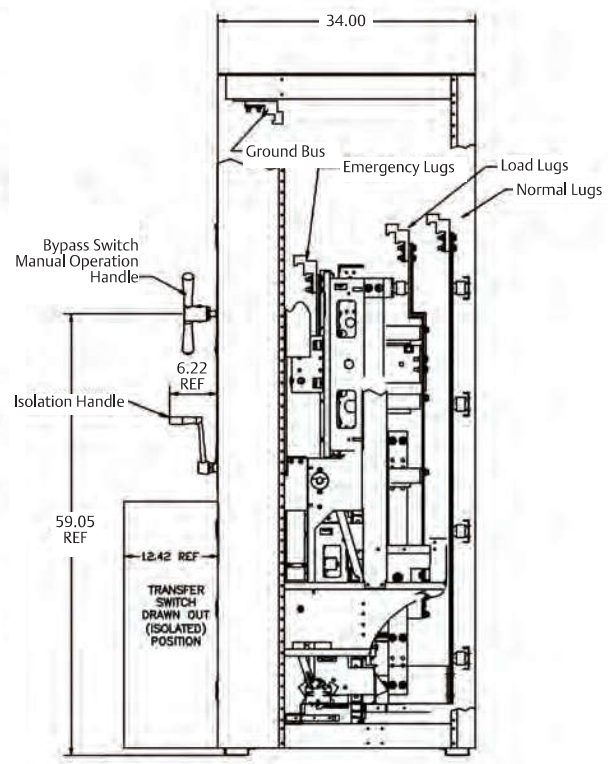
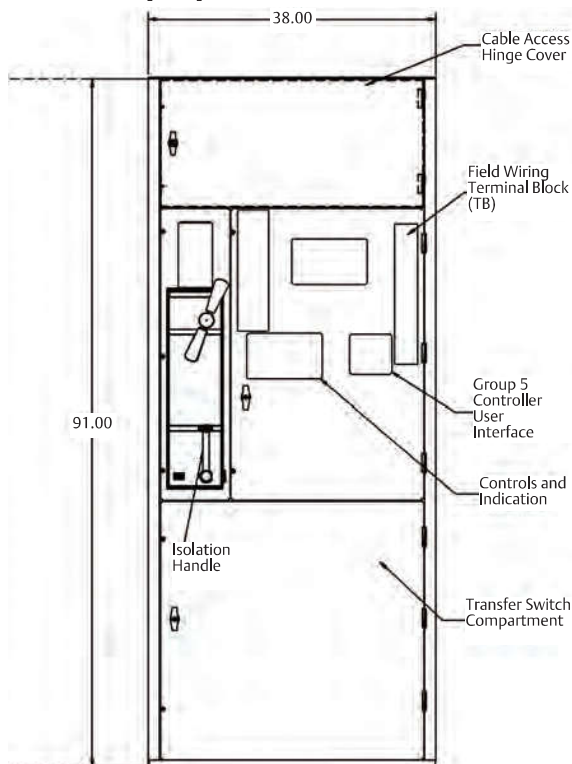
Front Views (Covers Installed)



Right Side Views (Covers Removed)

\* All dimensions and weights shown are approximate and should not be used for construction purposes. Certified dimensions can be furnished upon request.

### 1000-1200 Amp Optional Front Connected Design



## Automatic Transfer Switch Bill of Material

Webster University

| Designation   | Amps | Poles | Neutral  | Voltage | Service Entrance | Bypass | Transition | Catalog Number  | Accessories Included   |
|---------------|------|-------|----------|---------|------------------|--------|------------|-----------------|------------------------|
| <b>ATS-LS</b> | 230  | 4     | Switched | 480     | No               | Yes    | Delayed    | J7ADTB30230N5XC | 18B,18G,31Z,72EE2      |
| <b>ATS-SB</b> | 400  | 4     | Switched | 480     | No               | Yes    | Delayed    | J7ADTB30400N5XC | 18B,18G,31Z,67JB,72EE2 |

### ACCESSORIES DESCRIPTION

| Accessory Code | Description                                                                                                                                                                                                                                                                                                                                                                     |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>18B/18G</b> | 2pole D/T contacts that operate when emergency and normal source voltage is present at transfer switch terminals                                                                                                                                                                                                                                                                |
| <b>31Z</b>     | Selective Load disconnect circuit to provide a pre-transfer and/or post transfer signal when transferring from emergency to normal and/or normal to emergency. The signal can be programmed to occur during all transfers or only when the transfer is occurring between two live sources. The length of the pre and post transfer delays can be set to 0-5 minutes 59 seconds. |
| <b>67JB</b>    | Side pullbox for J Bypass Switch 150A-600A                                                                                                                                                                                                                                                                                                                                      |
| <b>72EE2</b>   | 5170 Quad-Ethernet Module provides transfer switch dashboard screen with password protected control capabilities, email alerts and open protocol support in a single module with an integrated 4 port Ethernet switch.                                                                                                                                                          |

## ATS-LS Detailed Information

| AMPS : 0400                                     |                                                                                      |                               |                                                     |
|-------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------|
| Product Description                             | : 7000 Series, <del>Delayed</del> <b>Open</b> Transition, Not Service Entrance Rated | Catalog Number                | : J7ADTB30400N5XC                                   |
| Service Voltage                                 | : 277/480                                                                            | Optional Accessories          | : 18B/18G,31Z,67JB,72EE2                            |
| By-pass Isolation                               | : <del>Yes</del> <b>NO</b> See Addendum 2-2                                          | Number of Poles               | : 4, Switched [B] Neutral                           |
| Withstand Rating                                | : See WCR table above                                                                | Quantity of Cables & Lug Size | : (2) 1/0 – 250 MCM AL/CU or (1) #4 – 600 MCM AL/CU |
| Frame = J, Switch Rating = 0400 , Series = 7000 |                                                                                      |                               |                                                     |
| Enclosure                                       | 1(C) Type 1 Enclosure                                                                | Service                       | : Three Phase, 4-wire                               |

### ACCESSORIES DESCRIPTION

| Accessory Code | Description                                                                                                                                                                                                                                                                                                                                                                     |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>18B/18G</b> | 2pole D/T contacts that operate when emergency and normal source voltage is present at transfer switch terminals                                                                                                                                                                                                                                                                |
| <b>31Z</b>     | Selective Load disconnect circuit to provide a pre-transfer and/or post transfer signal when transferring from emergency to normal and/or normal to emergency. The signal can be programmed to occur during all transfers or only when the transfer is occurring between two live sources. The length of the pre and post transfer delays can be set to 0-5 minutes 59 seconds. |
| <b>67JB</b>    | Side pullbox for J Bypass Switch 150A-600A                                                                                                                                                                                                                                                                                                                                      |
| <b>72EE2</b>   | 5170 Quad-Ethernet Module provides transfer switch dashboard screen with password protected control capabilities, email alerts and open protocol support in a single module with an integrated 4 port Ethernet switch.                                                                                                                                                          |

### DRAWINGS FOR APPROVAL

| Drawing Number | Description                                      |
|----------------|--------------------------------------------------|
| 802093         | Composite Enclosure Outline and Mounting Diagram |
| 806099-003     | Three Phase Wiring Diagram                       |

## ATS-SB Detailed Information

| AMPS : 0400                                                                                              |                                                                                      |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Product Description : 7000 Series, <del>Delayed</del> <b>Open</b> Transition, Not Service Entrance Rated | Catalog Number : J7ADTB30400N5XC                                                     |
| Service Voltage : 277/480                                                                                | Optional Accessories : 18B/18G,31Z,67JB,72EE2                                        |
| By-pass Isolation : <del>Yes</del> <b>NO</b> <b>See Addendum 2-2</b>                                     | Number of Poles : 4, Switched [B] Neutral                                            |
| Withstand Rating : See WCR table above<br>Frame = J, Switch Rating = 0400 , Series = 7000                | Quantity of Cables & Lug Size : (2) 1/0 – 250 MCM AL/CU or<br>(1) #4 – 600 MCM AL/CU |
| Enclosure : 1(C) Type 1 Enclosure                                                                        | Service : Three Phase, 4-wire                                                        |

### ACCESSORIES DESCRIPTION

| Accessory Code | Description                                                                                                                                                                                                                                                                                                                                                                     |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>18B/18G</b> | 2pole D/T contacts that operate when emergency and normal source voltage is present at transfer switch terminals                                                                                                                                                                                                                                                                |
| <b>31Z</b>     | Selective Load disconnect circuit to provide a pre-transfer and/or post transfer signal when transferring from emergency to normal and/or normal to emergency. The signal can be programmed to occur during all transfers or only when the transfer is occurring between two live sources. The length of the pre and post transfer delays can be set to 0-5 minutes 59 seconds. |
| <b>67JB</b>    | Side pullbox for J Bypass Switch 150A-600A                                                                                                                                                                                                                                                                                                                                      |
| <b>72EE2</b>   | 5170 Quad-Ethernet Module provides transfer switch dashboard screen with password protected control capabilities, email alerts and open protocol support in a single module with an integrated 4 port Ethernet switch.                                                                                                                                                          |

### DRAWINGS FOR APPROVAL

| Drawing Number | Description                                      |
|----------------|--------------------------------------------------|
| 802093         | Composite Enclosure Outline and Mounting Diagram |
| 806099-003     | Three Phase Wiring Diagram                       |

## Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: July 27, 2016

Attention: [stl-cac@cannondesign.com](mailto: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

☐

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**Email**

| Copies | No.       | Description                |
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| 1 PDF  | 264000E02 | (Submittal No. 264000-002) |
|        |           | • ATS Distribution         |
|        |           |                            |
|        |           |                            |
|        |           |                            |
|        |           |                            |
|        |           |                            |

Remarks:

c: **Kelvin Patel**  
[Kpatel@cannondesign.com](mailto:Kpatel@cannondesign.com)

☐ Furnish as Submitted

☒ **Furnish as Noted**

☐ Rejected

☐ 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.

**WTASHOP - Webster ISB - 26 4000-002**

---

**From:** STL-CAC <STL-CAC@CANNONDESIGN.COM>  
**To:** 'Patrick Garner' <pgarner@wmtao.com>, WTASHOP <wtashop@wmtao.com>  
**Date:** 7/5/2016 11:41 AM  
**Subject:** Webster ISB - 26 4000-002  
**Cc:** "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>, "Grossman, Lynn" <lgrossman@C...>  
**Attachments:** 264000-002 ATS Distribution.pdf

---

Attached for review.

**Melissa Pirtle**

Construction Admin

**CANNONDESIGN**

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St. Louis, Missouri 63102  
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[cannondesign.com](http://cannondesign.com)

## SUBMITTAL IDENTIFICATION SHEET

**To be completed by Contractor/CM**

|                               |                                   |
|-------------------------------|-----------------------------------|
| PROJECT NAME                  |                                   |
| <input type="text"/>          |                                   |
| ADDRESS                       |                                   |
| <input type="text"/>          |                                   |
| NUMBER                        |                                   |
| <input type="text"/>          |                                   |
| OWNER                         |                                   |
| <input type="text"/>          |                                   |
| ARCHITECT / ENGINEER          |                                   |
| <input type="text"/>          |                                   |
| SUBMITTED BY                  |                                   |
| <input type="text"/>          | <input type="text"/>              |
| CONTRACTOR / CM SUBMITTAL NO. | CANNON DESIGN SUBMITTAL NO.       |
| <input type="text"/>          | <input type="text"/>              |
| DRAWING / DETAIL REFERENCE    | SPECIFICATION SECTION / PARAGRAPH |
| <input type="text"/>          | <input type="text"/>              |
| MANUFACTURER / SUPPLIER       | ITEM / PRODUCT ID                 |
| <input type="text"/>          | <input type="text"/>              |
| REQUIRED DATE                 | PRIORITY                          |
| <input type="text"/>          | <input type="text"/>              |
| CRITICALITY                   |                                   |
| <input type="text"/>          |                                   |

**To be completed by Reviewer**

|                                |
|--------------------------------|
|                                |
| CANNON DESIGN SUBMITTAL NUMBER |
|                                |
| 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.

## ITEM BEING SUBMITTED (check only one)

- ☐ Shop Drawings      ☐ Certification / Qualifications      ☐ Coordination Drawing  
☐ Samples      ☐ Record Documents      ☐ Calculations  
 ( \_\_\_\_\_ copies)      ☐ Product Data      ☐ Schedules  
☐ LEED Submittal      ☐ 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 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.

Ry:

By:  
**Devin D. Gates**

|             |      |
|-------------|------|
|             |      |
| REVIEWED BY | DATE |

## A/E COMMENTS

- ☐
- See attached sheet(s) for additional comments

|             |      |
|-------------|------|
|             |      |
| REVIEWED BY | DATE |



77 Westport Plaza  
Suite 250  
St. Louis, MO 63146

**TRANSMITTAL**

**No. 15051-0115**

*Paric Corporation*

**PROJECT:** 15051-Webster University Interdisciplinary Science Building

**DATE:** 07/05/2016

**TO:** Cannon Design  
1100 Clark Ave  
St Louis MO 63102

**RE:** ATS Distribution

**ATTN:** Kelvin Patel

**JOB:** 15051

| WE ARE SENDING:                                         | SUBMITTED FOR:                               | ACTION TAKEN:                                     |
|---------------------------------------------------------|----------------------------------------------|---------------------------------------------------|
| <input type="checkbox"/> Shop Drawings                  | <input checked="" type="checkbox"/> Approval | <input type="checkbox"/> Approved as Submitted    |
| <input type="checkbox"/> Letter                         | <input type="checkbox"/> Your Use            | <input type="checkbox"/> Approved as Noted        |
| <input type="checkbox"/> Prints                         | <input type="checkbox"/> As Requested        | <input type="checkbox"/> Returned After Loan      |
| <input type="checkbox"/> Change Order                   | <input type="checkbox"/> Review and Comment  | <input type="checkbox"/> Resubmit                 |
| <input type="checkbox"/> Plans                          |                                              | <input type="checkbox"/> Submit                   |
| <input type="checkbox"/> Samples                        | SENT VIA:                                    | <input type="checkbox"/> Returned                 |
| <input type="checkbox"/> Specifications                 | <input type="checkbox"/> Attached            | <input type="checkbox"/> Returned for Corrections |
| <input checked="" type="checkbox"/> Other: Product Data | <input type="checkbox"/> Separate Cover Via: | <input type="checkbox"/> Due Date:                |

| Item      | Package | Code       | Rev. | Copies | Date       | Description      | Status    |
|-----------|---------|------------|------|--------|------------|------------------|-----------|
| Submittal |         | 264000-002 | 1    |        | 07/05/2016 | ATS Distribution | Submitted |

**NOTES:**

**CC:** Paric Corporation, Kathy Bathe

**Project Coordinator:** Paric Corporation, Kathy Bathe

**Signed:** \_\_\_\_\_  
Devin Gates

## Transmittal

To Paric Corporation

Date 7/1/16

Job Number 11317

Job Name Webster Univ. ISB Building

Attention Devin Gates Transmittal Number 11317-006

We are sending you:

☒ Attached

☐ Under separate cover, the following:

☐ Preliminary Drawings

☐ Samples

☐ Construction Drawings

☐ Copy of Letter

☐ Specifications

☐ Other \_\_\_\_\_

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

These are transmitted as checked:

☒ For Your Review & Comment

☐ Approved As Noted

☒ For Approval

☐ Returned For Corrections

☐ For Your File

☐ Approved As Submitted

☐ As Requested

☐

Copy:

Transmittal

Enclosure

\_\_\_\_

\_\_\_\_

\_\_\_\_

\_\_\_\_

\_\_\_\_

\_\_\_\_

***Rick Branstetter***

Signed: Rick Branstetter, Project Manager