**UNIVERSAL CARRIER**

**EXTERIOR INSTALLATION**

- **DETAIL 'A'**
  - Scale: 3" = 1'-0"

- **Converter Carrier**
  - Required for exterior installation

- **Wall Angle**
  - See Detail B1.7

- **Fixture Opening Recommendations**
  - See Details B1.9 through B1.10

- **6" Module**
  - See Detail B1.6

- **Flat Recessed Closure**
  - Required for exterior installation

- **Typical System Section**
  - See Detail 'A' this sheet

- **Box 6 Panel**
  - See Detail B1.1

- **Vertical Support**
  - See Detail B1.3

- **Carrier Overhang**
  - 6" max

- **Panel Overhang**
  - 6" max

- **Carrier Splice**
  - See Detail B1.4

- **Suspension Requirements**
  - See Detail B1.2

- **Pannel Span**
  - Varies depending on design wind pressure

- **Panel Length**
  - 3'-0" min - 16'-0" max (recommended)

- **Carrier Span**
  - Varies depending on design wind pressure

- **Carrier Overhang**
  - 6" max

- **Panel End Cap**
  - See Detail B1.5

- **Floating Trim**
  - See Detail B1.8

- **Panell Trim**
  - Not shown for clarity

- **1" Wall Angle**
  - See Detail B1.7

- **Panel Splice**
  - See Detail B1.4

- **Suspension Requirements**
  - See Detail B1.2

- **Panel Span**
  - Varies depending on design wind pressure

- **Panel Length**
  - 3'-0" min - 16'-0" max (recommended)

- **Panel Overhang**
  - 6" max

- **Universal Carrier Splice**
  - See Detail B1.6

- **Box 6 Panel**
  - See Detail B1.1

- **12 GA Hanger Wire**
  - By others, not by Hunter Douglas

**SPECIFICATIONS**

- **Material:**
  - .025" | .032" | .040" Aluminum Box 6 Panel | .040" Aluminum Universal Carrier

- **Finish:**
  - Paint | Powder Coat | Decorated Wood Finish | Luxacote Perforated | Non-Perforated

**OVERALL ISOMETRIC VIEW**

**Project:** Exterior Linear Box 6 Product Specifications

**Drawing Number:** EXT-BOX-6-B1.0

**Scale:** As shown

**Drawn By:** HD Engineering

**Date:** 12/7/18
**FLAT RECESSED CLOSURE WIDTH**

**FLAT RECESSED CLOSURE HEIGHT**

**UNIVERSAL CARRIER**

**BOX 6 PANEL**

**4" PANEL HEIGHT**

**3'-0" MINIMUM PANEL LENGTH**

**16'-0" MAXIMUM RECOMMENDED PANEL LENGTH**

**LONGER LENGTH PANELS AVAILABLE, CONTACT HUNTER DOUGLAS**

---

**FACTORY END & SIDE PANEL VIEW**

*VIEW FROM BELOW*  

*PANEL LENGTHS AVAILABLE IN ± 3/8" TOLERANCE, MINIMUM QUANTITIES MAY APPLY*

---

**MATERIAL THICKNESS**

BOX 6: .020”, .025”, .032”, .040” ALUMINUM

**PANEL FINISHES**

PAINTED & POWDER COATED - INTERIOR & EXTERIOR

LUXACOTE - INTERIOR & EXTERIOR

DECORATED WOOD FINISH (POWDER COATED) - INTERIOR & EXTERIOR

---

**AVAILABLE PERFORATIONS**

**PERFORATION #160:**

PERF. AREA 23% OPEN

HOLE DIAMETER 0.060"

---

**PANEL SPECIFICATION**

PROJECT: EXTERIOR LINEAR BOX 6 PRODUCT SPECIFICATIONS

DRAWING NUMBER: EXT-BOX-6-B1.1

DRAWN BY: HD ENGINEERING

DATE: 12/7/18

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**SPECIFICATIONS**

(Unless noted otherwise)

MATERIAL: .020” | .025” | .032” | .040” ALUMINUM BOX 6 PANEL | .040” ALUMINUM UNIVERSAL CARRIER FINISH (PAINT) | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE PERFORATION (PERFORATED | NON-PERFORATED)

#180

---

**Panel Materials & Finishes**

Scale: Not to scale

---

**Panel Spec View**

Scale: 3" = 1'-0"

---

**Factory End & Side Panel View**

Scale: 3" = 1'-0"

---

**Panel Perforations**

Scale: Full (1:1)

---

**Panel Drawing**

Scale: As shown

---

**Panel Details**

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Norcross, GA 30093
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CTSpecialtyCeilings.com

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**Panel Details**

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FLAT RECESSED CLOSURE REQUIRED FOR EXTERIOR INSTALLATION

BOX 6 PANEL, .025", .032", OR .040" ALUMINUM REQUIRED FOR EXTERIOR INSTALLATION.

UNIVERSAL CARRIER, .040" ALUMINUM

VERTICAL SUPPORT 1/2" X 1-1/2" 16 GA GALV. CRC, MAX LENGTH 28", SEE NOTE 3 DRAWING # EXTBOX6-B1.3 FOR VERTICAL SUPPORT REQUIREMENTS AND EQUALS.

DESIGN WIND LOAD - LINEAR BOX EXTERIOR CEILING SYSTEM

| PANEL TYPE: | .025", .032", OR .040" ALUMINUM | BOX 6 PANEL |
| CARRIER TYPE: | .040" ALUMINUM | UNIVERSAL CARRIER |

ALLOWABLE CARRIER SPACING (PANEL SPAN)
ALLOWABLE CARRIER SUPPORT SPACING (HANGER WIRE/VERTICAL SUPPORT SPACING)

* NOTE: CARRIER SPACING BASED ON USING 3 OR MORE CARRIERS

** POUNDS PER SQUARE FOOT

<table>
<thead>
<tr>
<th>DESIGN WIND PRESSURE (POSITIVE OR NEGATIVE PSF **)</th>
<th>CARRIER SPACING * (PANEL SPAN)</th>
<th>CARRIER SPAN (VERTICAL SUPPORT SPACING)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>2'-8&quot;</td>
<td>2'-8&quot;</td>
</tr>
<tr>
<td>25</td>
<td>2'-5&quot;</td>
<td>2'-5&quot;</td>
</tr>
<tr>
<td>30</td>
<td>2'-2&quot;</td>
<td>1'-11&quot;</td>
</tr>
<tr>
<td>35</td>
<td>2'-0&quot;</td>
<td>1'-10&quot;</td>
</tr>
<tr>
<td>40</td>
<td>1'-11&quot;</td>
<td>1'-9&quot;</td>
</tr>
<tr>
<td>45</td>
<td>1'-10&quot;</td>
<td>1'-9&quot;</td>
</tr>
</tbody>
</table>

NOTE A:
CARRIER SPACING (PANEL SPAN) AND CARRIER SPAN (HANGER WIRE & VERTICAL SUPPORT SPACING) Varies depending on Design Wind Pressure (Pounds per square foot). As a general guide, refer to the detail and wind load table #1 below for carrier spacing and carrier span. The wind load criteria is based on using 3 or more rows of carrier. Maximum panel overhang = 6". Maximum carrier overhang = 6".

HANGER WIRE (.040 GA MIN.) MUST BE LOCATED AT EACH VERTICAL SUPPORT STRUT. VERTICAL SUPPORT STRUT MUST NOT EXCEED SPACING SHOWN FOR A GIVEN DESIGN WIND PRESSURE. SEE DRAWING # EXTBOX6-B1.3 FOR VERTICAL SUPPORT SPECIFICATION. HANGER WIRE AND VERTICAL SUPPORT STRUT MUST BE ATTACHED TO STRUCTURE ABOVE TO SAFELY SUPPORT ALL LOADS IMPOSED BY SOFFIT SYSTEM. ATTACHMENT TO STRUCTURE DESIGNED AND PROVIDED BY OTHERS, NOT BY HUNTER DOUGLAS.

NOTE B:
ALL PENETRATIONS IN CEILING TO BE FIELD LOCATED AND FIELD CUT. TRIM FOR THESE ITEMS NOT BY HUNTER DOUGLAS.

NOTE C:
ATTACHMENT TO STRUCTURE DESIGNED AND PROVIDED BY OTHERS, NOT BY HUNTER DOUGLAS.
FLAT RECESSED CLOSURE REQUIRED FOR EXTERNAL INSTALLATION.

1/2" X 1-1/2" 16 GA GALV. CRC SECURED TO CARRIER WITH 12 GA GALV. BRACKET, NOT BY HUNTER DOUGLAS.

1/2" X 1-1/2" 16 GA GALV. CRC REQUIRED FOR EXTERNAL INSTALLATION.

1/4" DIAMETER X 20 GRADE 2 NUT & BOLT IN PRE-PUNCHED CARRIER HOLE, NOT BY HUNTER DOUGLAS.

VERTICAL SUPPORT 1/2" X 1-1/2" 16 GA GALV. CRC, MAX LENGTH 28", SEE NOTE A THIS SHEET FOR VERTICAL SUPPORT REQUIREMENTS.

(2) NO. 10 TEK SCREWS, NOT BY HUNTER DOUGLAS.

1/2" X 1-1/2" GALV. CRC SECURED TO CARRIER WITH 12 GA GALV. BRACKET, NOT BY HUNTER DOUGLAS.

1/2" X 1-1/2" GALV. CRC REQUIRED FOR EXTERNAL INSTALLATION.

12 GA HANGER WIRE, WITHIN 3" OF VERTICAL SUPPORT, NOT BY HUNTER DOUGLAS.

NOTE B:
ALL PENETRATIONS IN CEILING TO BE FIELD LOCATED AND FIELD CUT. TRIM FOR THESE ITEMS NOT BY HUNTER DOUGLAS.

CLARKDIETRICH 250PDS125-33 (2-1/2" PROSTUD 33), MAX LENGTH 85"

OR

CLARKDIETRICH 250PDT125-18 (2-1/2" PROTRAK 25), MAX LENGTH 78"

NOTE A:
VERTICAL SUPPORT STRUTS (MINIMUM 1-1/2" 16 GA GALV. "C" CHANNEL OR EQUAL, MAX LENGTH OF 28"). SEE DRAWING # EXTBOX6-B1.2 FOR EXTERIOR SUSPENSION REQUIREMENTS. VERTICAL SUPPORTS SHALL BE LOCATED WITHIN 6" OF THE ENDS OF EACH CARRIER AND WITHIN 6" ON BOTH SIDES OF A CARRIER SPLICE.

1/2" X 1-1/2" 16 GA GALV. CRC, MAX LENGTH 28", SEE NOTE A THIS SHEET FOR VERTICAL SUPPORT REQUIREMENTS.

VERTICAL SUPPORT CLARKDIETRICH 250PDS125-33 (2-1/2" PROSTUD 33), MAX LENGTH 85"

OR

VERTICAL SUPPORT CLARKDIETRICH 250PDT125-18 (2-1/2" PROTRAK 25), MAX LENGTH 78"

UNIVERSAL CARRIER, .040" ALUMINUM

FLAT RECESSED CLOSURE REQUIRED FOR EXTERIOR INSTALLATION.

NOTE C:
ATTACHMENT TO STRUCTURE DESIGNED AND PROVIDED BY OTHERS, NOT BY HUNTER DOUGLAS.

NOTE B:
ALL PENETRATIONS IN CEILING TO BE FIELD LOCATED AND FIELD CUT. TRIM FOR THESE ITEMS NOT BY HUNTER DOUGLAS.

NOTE A:
VERTICAL SUPPORT STRUTS (MINIMUM 1-1/2" 16 GA GALV. "C" CHANNEL OR EQUAL, MAX LENGTH OF 28"). SEE DRAWING # EXTBOX6-B1.2 FOR EXTERIOR SUSPENSION REQUIREMENTS. VERTICAL SUPPORTS SHALL BE LOCATED WITHIN 6" OF THE ENDS OF EACH CARRIER AND WITHIN 6" ON BOTH SIDES OF A CARRIER SPLICE.

1/2" X 1-1/2" 16 GA GALV. CRC, MAX LENGTH 28", SEE NOTE A THIS SHEET FOR VERTICAL SUPPORT REQUIREMENTS.

VERTICAL SUPPORT CLARKDIETRICH 250PDS125-33 (2-1/2" PROSTUD 33), MAX LENGTH 85"

OR

VERTICAL SUPPORT CLARKDIETRICH 250PDT125-18 (2-1/2" PROTRAK 25), MAX LENGTH 78"

NOTE C:
ATTACHMENT TO STRUCTURE DESIGNED AND PROVIDED BY OTHERS, NOT BY HUNTER DOUGLAS.

NOTE B:
ALL PENETRATIONS IN CEILING TO BE FIELD LOCATED AND FIELD CUT. TRIM FOR THESE ITEMS NOT BY HUNTER DOUGLAS.

NOTE A:
VERTICAL SUPPORT STRUTS (MINIMUM 1-1/2" 16 GA GALV. "C" CHANNEL OR EQUAL, MAX LENGTH OF 28"). SEE DRAWING # EXTBOX6-B1.2 FOR EXTERIOR SUSPENSION REQUIREMENTS. VERTICAL SUPPORTS SHALL BE LOCATED WITHIN 6" OF THE ENDS OF EACH CARRIER AND WITHIN 6" ON BOTH SIDES OF A CARRIER SPLICE.

1/2" X 1-1/2" 16 GA GALV. CRC, MAX LENGTH 28", SEE NOTE A THIS SHEET FOR VERTICAL SUPPORT REQUIREMENTS.

VERTICAL SUPPORT CLARKDIETRICH 250PDS125-33 (2-1/2" PROSTUD 33), MAX LENGTH 85"

OR

VERTICAL SUPPORT CLARKDIETRICH 250PDT125-18 (2-1/2" PROTRAK 25), MAX LENGTH 78"

NOTE C:
ATTACHMENT TO STRUCTURE DESIGNED AND PROVIDED BY OTHERS, NOT BY HUNTER DOUGLAS.

NOTE B:
ALL PENETRATIONS IN CEILING TO BE FIELD LOCATED AND FIELD CUT. TRIM FOR THESE ITEMS NOT BY HUNTER DOUGLAS.

NOTE A:
VERTICAL SUPPORT STRUTS (MINIMUM 1-1/2" 16 GA GALV. "C" CHANNEL OR EQUAL, MAX LENGTH OF 28"). SEE DRAWING # EXTBOX6-B1.2 FOR EXTERIOR SUSPENSION REQUIREMENTS. VERTICAL SUPPORTS SHALL BE LOCATED WITHIN 6" OF THE ENDS OF EACH CARRIER AND WITHIN 6" ON BOTH SIDES OF A CARRIER SPLICE.

1/2" X 1-1/2" 16 GA GALV. CRC, MAX LENGTH 28", SEE NOTE A THIS SHEET FOR VERTICAL SUPPORT REQUIREMENTS.

VERTICAL SUPPORT CLARKDIETRICH 250PDS125-33 (2-1/2" PROSTUD 33), MAX LENGTH 85"

OR

VERTICAL SUPPORT CLARKDIETRICH 250PDT125-18 (2-1/2" PROTRAK 25), MAX LENGTH 78"

NOTE C:
ATTACHMENT TO STRUCTURE DESIGNED AND PROVIDED BY OTHERS, NOT BY HUNTER DOUGLAS.

NOTE B:
ALL PENETRATIONS IN CEILING TO BE FIELD LOCATED AND FIELD CUT. TRIM FOR THESE ITEMS NOT BY HUNTER DOUGLAS.

NOTE A:
VERTICAL SUPPORT STRUTS (MINIMUM 1-1/2" 16 GA GALV. "C" CHANNEL OR EQUAL, MAX LENGTH OF 28"). SEE DRAWING # EXTBOX6-B1.2 FOR EXTERIOR SUSPENSION REQUIREMENTS. VERTICAL SUPPORTS SHALL BE LOCATED WITHIN 6" OF THE ENDS OF EACH CARRIER AND WITHIN 6" ON BOTH SIDES OF A CARRIER SPLICE.

1/2" X 1-1/2" 16 GA GALV. CRC, MAX LENGTH 28", SEE NOTE A THIS SHEET FOR VERTICAL SUPPORT REQUIREMENTS.

VERTICAL SUPPORT CLARKDIETRICH 250PDS125-33 (2-1/2" PROSTUD 33), MAX LENGTH 85"

OR

VERTICAL SUPPORT CLARKDIETRICH 250PDT125-18 (2-1/2" PROTRAK 25), MAX LENGTH 78"
**NOTE 1:**
DO NOT SPLICE PANELS DIRECTLY BELOW UNIVERSAL CARRIERS.
PANEL SPLICES DO NOT FIT UNDER CARRIERS.

**NOTE 2:**
FIELD CUT PANELS AS REQUIRED TO CREATE A RANDOM STAGGERED SEAM PATTERN. AVOID ALIGNED SEAMS.

**SPECIFICATIONS**
(unless noted otherwise)

**MATERIAL:**
.025" | .032" | .040" ALUMINUM BOX 6 PANEL | .040" ALUMINUM UNIVERSAL CARRIER

**FINISH:**
PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE PERFORATION NON-PERFORATED

**DATE:**
12/7/18

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**EXTERIOR INSTALLATION**

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**PANEL SPLICE SPECIFICATION**

PROJECT: EXTERIOR LINEAR BOX 6 PRODUCT SPECIFICATIONS
DRAWING NUMBER: EXT-BOX-6-B1.4
SCALE: AS SHOWN
DRAWN BY: HD ENGINEERING
DATE: 12/7/18

*VERTICAL SUPPORTS AND HANGER WIRE OMITTED FOR CLARITY*
INSERT END CAP ONTO PANEL AND ENSURE SHEAR TABS ARE ORIENTED ON TOP OF PANEL.
IF THE DESIRED CARRIER LENGTH EXCEEDS THE MAXIMUM OF 16'-0", USE A UNIVERSAL CARRIER SPLICE TO CONNECT THE FACTORY CARRIER ENDS.

THE TABS OF THE SPLICE SNAP INTO THE HOLES IN THE CARRIER AND ADDITIONAL FIXING IS NOT NECESSARY. THE MODULE IS CONTINUED AUTOMATICALLY.

SECTION 'A'
SCALE: FULL (1:1)

SECTION 'B'
SCALE: 3" = 1'-0"
**EXTERIOR INSTALLATION**

10'-0" 1-3/4" J-TRIM PART LENGTH

1-3/4" J-TRIM

*0.025" ALUMINUM MATERIAL & FINISH TO MATCH, TYPICAL TRIM WRAPS PANEL & CARRIER

FIELD CUT BOX 6 PANEL END

SECTION 'A'
SCALE: 6" = 1'-0"

1-3/4" J-TRIM RESTS AGAINST WALL

FIELD CUT BOX 6 PANEL SIDE
1" WALL ANGLE HOLD DOWN

DOUBLE-SIDED ADHESIVE TO SECURE 1" WALL ANGLE OR USE POP-RIVET

SECTION 'B'
SCALE: 6" = 1'-0"

1-3/4" FLOATING 'J' TRIM

UNIVERSAL CARRIER

UNIVERSAL CARRIER BEYOND FIELD CUT BOX 6 PANEL SIDE

8" WALL ANGLE HOLD DOWN

FLAT RECESSED CLOSURE

FLAT RECESSED CLOSURE

*SOME VERTICAL SUPPORTS AND HANGER WIRE OMITTED FOR CLARITY

**SPECIFICATIONS**

MATERIAL: .025" | .032" | .040" ALUMINUM BOX 6 PANEL | .040" ALUMINUM UNIVERSAL CARRIER
FINISH (PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE PERFORATION: NON-PERFORATED | #180

**PROJECT:** EXTERIOR LINEAR BOX 6 PRODUCT SPECIFICATIONS

DRAWING NUMBER: EXT-BOX-6-B1.8

SCALE: AS SHOWN

DRAWN BY: HD ENGINEERING

DATE: 12/7/18

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NOTE: FIXTURE WITH TRIM FLANGE NOT BY HUNTER DOUGLAS

BOX 6 PANEL

6-7/8" MAX CLEAR OPENING, PANEL EDGE TO PANEL EDGE, FOR SINGLE PANEL INTERRUPTION.

12-7/8" MAX CLEAR OPENING, PANEL EDGE TO PANEL EDGE, FOR DOUBLE PANEL INTERRUPTION.

SECTION 'A'

SCALE: 3" = 1'-0"

FIXTURE WITH TRIM FLANGE NOT BY HUNTER DOUGLAS

6" X 48" RECESSED FLUORESCENT FIXTURE EXAMPLE WITH FLANGE

LIGHT FIXTURE INDEPENDENTLY SUPPORTED IN ACCORDANCE WITH LOCAL BUILDING CODES & LIGHT FIXTURE MANUFACTURER'S INSTRUCTIONS

FIELD CUT BOX 6 PANEL

FULL BOX 6 PANEL

FLAT RECESSED CLOSURE

SECTION 'B'

SCALE: 3" = 1'-0"

TOP VIEW

SCALE: NOT TO SCALE

LIGHT FIXTURE INDEPENDENTLY SUPPORTED IN ACCORDANCE WITH LOCAL BUILDING CODES & LIGHT FIXTURE MANUFACTURER'S INSTRUCTIONS

12 GA HANGER WIRE AND VERTICAL SUPPORT, BY OTHERS, TYPICAL

48" FIXTURE LENGTH EXAMPLE

6" X 48" RECESSED FLUORESCENT FIXTURE EXAMPLE WITH FLANGE

INTERRUPTED PANEL FOR TYPICAL FIXTURE

PROJECT: EXTERIOR LINEAR BOX 6 PRODUCT SPECIFICATIONS

DRAWING NUMBER: EXT-BOX-6-B1.9

SCALE: AS SHOWN

SEE DETAIL # EXTBOX6-B1.2 FOR EXTERIOR SPACING REQUIREMENTS

48" FIXTURE LENGTH EXAMPLE

SECTION 'A'

FLAT RECESSED CLOSURE

SECTION 'B'

FLAT RECESSED CLOSURE

REQUiRED RECESSED CLOSURE

BOX 4 PANEL

FLATECTED BOX 6 PANEL

UNIVERSAL CARRIER

12 GA HANGER WIRE AND VERTICAL SUPPORTS, BY OTHERS, TYPICAL

TYPICAL ISOMETRIC

SCALE: NOT TO SCALE

NOTE: ALL DIMENSIONS ARE IN INCHES.
NOTE: FIXTURE WITH TRIM FLANGE NOT BY HUNTER DOUGLAS
LATERAL BRACING: BRACE WITH HANGER WIRES AND STRUTS PER ASTM E-580 AND IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS.

(4) #12 GAUGE WIRES SPLAED 90° FROM EACH OTHER AT ANGLE NOT EXCEEDING 45° FROM PLANE OF CEILING. A STRUT FASTENED TO MAIN RUNNER SHALL BE EXTENDED TO AND FASTENED TO STRUCTURE ABOVE. SPLAED WIRE AND STRUT BRACING TO BE PLACED NOT MORE THAN 12 FEET ON CENTER IN EACH DIRECTION, WITH THE FIRST POINT WITHIN 6 FEET FROM EACH WALL.