INTERIOR INSTALLATION

UNISTRUT SPACING VARIES DEPENDING ON BAFFLE CURVE CONFIGURATION.
4'-0" TYP., 6'-0" MAX.

2'-0" MAX BAFFLE OVERHANG, TYP.

6" BAFFLE SPACING SHOWN, ACTUAL CAN VARY, TYP.

1-1/2" X 6-3/8" BEAM

7'-0" MAX BAFFLE OPENING, TYP.

6" BAFFLE SPACING SHOWN. ACTUAL CAN VARY, TYP.

BATTLE SPLICE CONDITIONS
SEE DETAIL A1.4

HANGER BRACKET
SEE DETAIL A1.3

BATTLE END CAP
SEE DETAIL A1.5

1-1/2" X 6-3/8" UNISTRUT P1000 - 12 GA. STEEL PRIMARY CHANNEL

1-5/8" X 1-5/8" UNISTRUT P1000 - 12 GA. STEEL PRIMARY CHANNEL

THREADED ROD BY OTHERS
SEE DETAIL A1.2

SUSPENSION SPECIFICATIONS
SEE DETAIL A1.2

THREAD 20-24 ROD AND ATTACHMENT TO UNISTRUT BY OTHERS, TYP.

HANGER BRACKET
SEE DETAIL A1.3

BAFFLE SPECIFICATIONS
SEE DETAIL A1.1

HANGER BRACKET
SEE DETAIL A1.4

BATTLE SPECIFICATIONS
SEE DETAIL A1.3

BATTLE END CAP
SEE DETAIL A1.5

UNISTRUT SHOWS VARY DEPENDING ON BAFFLE CURVE CONVERSION. 4'-0" TYP., 6'-0" MAX.

HANGER BRACKET
SEE DETAIL A1.3

BATTLE END CAP
SEE DETAIL A1.5

INTERIOR INSTALLATION

SPECIFICATIONS
(Unless noted otherwise)
MATERIAL: EXTRUDED ALUMINUM ALLOY 6063-T5
FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH
PERFORATION: NOT AVAILABLE

OVERALL ISOMETRIC VIEW
PROJECT: HIGH PROFILE SERIES VERTICALLY CURVED PRODUCT SPECIFICATIONS
DRAWING NUMBER: HPS-VCURVE-A1.0
SCALE: AS SHOWN
DRAWN BY: HD ENGINEERING
DATE: 12/7/18

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INTEGRITY - DEPENDABILITY - INNOVATION
**CONTINUOUS BAFFLES MUST BE TANGENT**

**SEAMLESS STRAIGHT-TO-CURVE CONFIGURATIONS AVAILABLE (MUST BE TANGENT)**

**4'-0" MIN - 20'-0" MAX RECOMMENDED LENGTH**

**BAFFLE MATERIAL**
- EXTRUDED ALUMINUM ALLOY 6063-T5

**BAFFLE FINISHES**
- PAINTED & POWDER COATED
- DECORATED WOOD FINISH (POWDER COATED)

**PERFORATIONS**
- BAFFLES CANNOT BE PERFORATED

**BAFFLE SPECIFICATIONS**
- PROJECT: HIGH PROFILE SERIES VERTICALLY CURVED PRODUCT SPECIFICATIONS
- DRAWING NUMBER: HPS-VCURVE-A1.1
- SCALE: AS SHOWN
- DATE: 12/7/18

**SPECIFICATIONS**
- MATERIAL: EXTRUDED ALUMINUM ALLOY 6063-T5
- FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH
- PERFORATION: NOT AVAILABLE

**NOTES**
- *48" MIN RADIUS
- **MAX LENGTH MAY BE LIMITED DUE TO RADIUS
**Unistrut Spacing Varies Depending On**

**Baffle Curve Configuration.**

1'-0" Max Unistrut Overhang, TYP.

1-5/8" X 1-5/8" Unistrut P1000 - 12 GA. Steel Primary Channel

1/4"-20 Threaded Rod and Attachment To Unistrut By Others, TYP.

1-1/2" X 6-3/8" Beam With 8'-0" Vault Radius Shown

**Threaded Rod By Others, TYP.**

**Unistrut Overhang Varies Depending On**

**Or Baffle Curve Orientation.**

8'-0" TYP. 10'-0" MAX.

**Threaded Rod By Others, TYP.**

**Hanger Bracket**

**THREADED ROD ATTACHMENT TO UNISTRUT AND STRUCTURE ABOVE DESIGNED AND PROVIDED BY OTHERS.**

**Seismic Design:**

System Complies with ASCE 7-10 Section 13.5.6 and 13.5.6.2.2. Baffles with 1/4" Dia. Hangers Designed As Pendulums. Maximum $S_s = 3.73$, Meeting Seismic Zone D-E-F Requirements. Unistrut Framing To Be Braced In Accordance With Local Code Requirements. Cross Struts At Unistrut Framing With Splayed Wires and Compression Post By Others.

**Typical Sections**

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

**Hanger Bracket At All Baffle/ Unistrut Intersections, TYP.**

1-1/2" X 6-3/8" Beam With 8'-0" Vault Radius Shown

**Unistrut Spacing Varies Depending On**

**Baffle Curve Configuration.**

4'-0" TYP., 6'-0" MAX.

2'-0" MAX Baffle Overhang, TYP.

**Threaded Rod By Others, TYP.**

**Hanger Bracket**

**1/4"-20 Threaded Rod And Attachment To Unistrut By Others, TYP.**

**Hanger Bracket**

**Threading Rod By Others, TYP.**

**1-5/8" X 1-5/8" UNISTRUT P1000 - 12 GA. STEEL PRIMARY CHANNEL**

**HANGER BRACKET AT ALL BAFFLE/ UNISTRUT INTERSECTIONS, TYP.**

**1/4"-20 THREADED ROD AND ATTACHMENT TO UNISTRUT BY OTHERS, TYP.**

**1/4"-20 THREADED ROD AND ATTACHMENT TO UNISTRUT BY OTHERS, TYP.**

THREADED ROD BY OTHERS, TYP.

1-5/8" X 1-5/8" UNISTRUT P1000 - 12 GA. STEEL PRIMARY CHANNEL

1/4"-20 Threaded Rod And Attachment To Unistrut By Others, TYP.

1-1/2" X 6-3/8" Beam With 8'-0" Vault Radius Shown

1-0" MAX UNISTRUT OVERHANG, TYP.

4'-0" MAX VERTICAL SUPPORT SPACING, TYP.

1-5/8" X 1-5/8" UNISTRUT P1000 - 12 GA. STEEL PRIMARY CHANNEL

1/4"-20 Threaded Rod And Attachment To Unistrut By Others, TYP.

1-1/2" X 6-3/8" Beam With 8'-0" Vault Radius Shown

6" Shown, Actual Can Vary, TYP.

1-0" MAX UNISTRUT OVERHANG, TYP.

4'-0" MAX VERTICAL SUPPORT SPACING, TYP.

1-5/8" X 1-5/8" UNISTRUT P1000 - 12 GA. STEEL PRIMARY CHANNEL

1/4"-20 Threaded Rod And Attachment To Unistrut By Others, TYP.

1-1/2" X 6-3/8" Beam With 8'-0" Vault Radius Shown

6" Shown, Actual Can Vary, TYP.

1/4"-20 Threaded Rod And Attachment To Unistrut By Others, TYP.

1-0" MAX UNISTRUT OVERHANG, TYP.

4'-0" MAX VERTICAL SUPPORT SPACING, TYP.

1-5/8" X 1-5/8" UNISTRUT P1000 - 12 GA. STEEL PRIMARY CHANNEL

1/4"-20 Threaded Rod And Attachment To Unistrut By Others, TYP.

1-1/2" X 6-3/8" Beam With 8'-0" Vault Radius Shown

6" Shown, Actual Can Vary, TYP.

1/4"-20 Threaded Rod And Attachment To Unistrut By Others, TYP.

1-0" MAX UNISTRUT OVERHANG, TYP.

4'-0" MAX VERTICAL SUPPORT SPACING, TYP.

1-5/8" X 1-5/8" UNISTRUT P1000 - 12 GA. STEEL PRIMARY CHANNEL

1/4"-20 Threaded Rod And Attachment To Unistrut By Others, TYP.

1-1/2" X 6-3/8" Beam With 8'-0" Vault Radius Shown

6" Shown, Actual Can Vary, TYP.

1/4"-20 Threaded Rod And Attachment To Unistrut By Others, TYP.

1-0" MAX UNISTRUT OVERHANG, TYP.

4'-0" MAX VERTICAL SUPPORT SPACING, TYP.

1-5/8" X 1-5/8" UNISTRUT P1000 - 12 GA. STEEL PRIMARY CHANNEL

1/4"-20 Threaded Rod And Attachment To Unistrut By Others, TYP.

1-1/2" X 6-3/8" Beam With 8'-0" Vault Radius Shown

6" Shown, Actual Can Vary, TYP.

1/4"-20 Threaded Rod And Attachment To Unistrut By Others, TYP.

1-0" MAX UNISTRUT OVERHANG, TYP.

4'-0" MAX VERTICAL SUPPORT SPACING, TYP.

1-5/8" X 1-5/8" UNISTRUT P1000 - 12 GA. STEEL PRIMARY CHANNEL

1/4"-20 Threaded Rod And Attachment To Unistrut By Others, TYP.

1-1/2" X 6-3/8" Beam With 8'-0" Vault Radius Shown

6" Shown, Actual Can Vary, TYP.

1/4"-20 Threaded Rod And Attachment To Unistrut By Others, TYP.
1. Slide mounting bracket into suspension slot of baffle.
2. Lift baffle assembly and secure 1/4"-20 threaded rod (by others) to coupler.
3. Tighten set screw for alignment.
4. Once in final position, secure bracket with #12 Tek screw (by others).

Hanger bracket installation:

- COUPLING NUT FOR 1/4"-20 THREADED ROD
- ROD END BOLT
- 1/4" DIA. HOLE
- PIN
- SET SCREW
- MOUNTING BRACKET

1/4"-20 THREADED ROD
BY OTHERS

#12 TEK SCREW
BY OTHERS

1-1/2" X 6-3/8" BEAM

SPECIFICATIONS

MATERIAL: EXTRUDED ALUMINUM ALLOY 6063-T5
FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH
PERFORATION: NOT AVAILABLE

PROJECT: HIGH PROFILE SERIES VERTICALLY CURVED PRODUCT SPECIFICATIONS
DRAWING NUMBER: HPS-VCURVE-A1.3
SCALE: NOT TO SCALE
DRAWN BY: HD ENGINEERING
DATE: 12/7/18

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Hanger bracket

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1. Insert curved baffle splice halfway into baffle. Note orientation of tabs for fastener attachment.
2. Secure with two (2) Min #8 Tek screws (by others).
3. Slide second baffle over splice and tight against first baffle. Ensure finished seam is aligned and flush on all sides.
4. Secure remaining side with two (2) Min #8 Tek screws.

**Diagram Notes:**
- Due to baffle splice fasteners, hanger brackets will not fit at splice locations.

**Specifications:**
- Material: Extruded Aluminum Alloy 6063-T5
- Finish: Paint | Powder Coat | Decorated Wood Finish
- Perforation: Not Available

**Drawn by:** HD Engineering
**Date:** 12/7/18
METAL END CAP
PAINTED, POWDER COATED, & DECORATED WOOD FINISHES

1. APPLY CONSTRUCTION ADHESIVE ON 3 SIDES SHOWN.

2. INSERT END CAP INTO BAFFLE AND ENSURE END CAP BRACKET SLIDES INTO SUSPENSION SLOT AT TOP OF BAFFLE.

3. APPLY EVEN PRESSURE TO SET END CAP ALL THE WAY INTO BAFFLE AND TIGHTEN SET SCREW TO SECURE END CAP.

NOTE:
END CAPS ONLY AVAILABLE FOR SQUARE CUT BAFFLE ENDS.

"1-1/2" X 6-3/8" BEAM PROFILE SHOWN, ALL PROFILES SIMILAR