INTERIOR INSTALLATION

DETAIL 'A'
SCALE: 3" = 1'-0"

12 GA HANGER WIRE, 48" O.C. ALONG MAIN TEE, NOT BY HUNTER DOUGLAS

CROSS TEE 48" O.C., TYP., CENTERED MID PANEL

48" MAX O.C. CROSS TEE SPACING

MAIN TEE O.C. SPACING VARIES,
24" MIN - 96" MAX SPACING

12 GA HANGER WIRE, BY OTHERS, NOT BY HUNTER DOUGLAS. SEE DETAIL A1.2

CROSS TEE 48" O.C., TYP., CENTERED MID PANEL

DETAIL 'B'
SCALE: 3" = 1'-0"

TORSION SPRING PANEL

1" FRONT LEG

12" MIN - 24" MAX PANEL WIDTH

48" MAX MAIN TEE SPAN

TORSION SPRING
TORSION SPRING PANEL

2" SIDE LEG

12" MAX MAIN TEE OVERHANG

FIXTURE SPECIFICATIONS
SEE DETAIL A1.6 AND A1.7

WALL TRIM CONDITIONS
SEE DETAIL A1.4

OVERALL ISOMETRIC VIEW
PROJECT: TORSION SPRING PRODUCT SPECIFICATIONS
DRAWING NUMBER: TS-A1.0
SCALE: AS SHOWN
DRAWN BY: HD ENGINEERING
DATE: 2/15/2019

TYPICAL SYSTEM SECTION
SEE DETAIL 'A' AND 'B'

PANEL SPECIFICATIONS
SEE DETAIL A1.1

TRIMLESS ACCESSIBILITY
SEE DETAIL A1.5

TEE GRID SPECIFICATIONS
SEE DETAIL A1.3

SUSPENSION REQUIREMENTS
SEE DETAIL A1.2

SPECIFICATIONS
MATERIAL: .032" | .040" | .050" | .063" ALUMINUM
FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE
PERFORATION: SEE DETAIL A1.1, TABLE 1

INTERIOR INSTALLATION

5015 Oakbrook Parkway, Suite 100
Norcross, GA 30093
O 800.366.4327
F 770.806.0214
CTSpecialtyCeilings.com

All rights reserved. This drawing is the property of HunterDouglas Ceiling & Wall Products and may not be copied or multiplied, in whole or in part, without written permission. It may not be adapted for personal or third party use.
### Table 1 - Perforation Options

<table>
<thead>
<tr>
<th>Perforation</th>
<th>Max Width</th>
<th>Max Length</th>
<th>Perforation</th>
<th>Max Width</th>
<th>Max Length</th>
<th>Perforation</th>
<th>Max Width</th>
<th>Max Length</th>
<th>Perforation</th>
<th>Max Width</th>
<th>Max Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perf #102 (14.0% Open)</td>
<td>30&quot;</td>
<td>60&quot;</td>
<td>Perf #101 (4.0% Open)</td>
<td>30&quot;</td>
<td>60&quot;</td>
<td>Perf #105 (16.0% Open)</td>
<td>30&quot;</td>
<td>60&quot;</td>
<td>Perf #104 (25.0% Open)</td>
<td>23.5&quot;</td>
<td>96&quot;</td>
</tr>
<tr>
<td>Perf #103 (20.0% Open)</td>
<td>30&quot;</td>
<td>60&quot;</td>
<td>Perf #102 (7.0% Open)</td>
<td>30&quot;</td>
<td>60&quot;</td>
<td>Perf #106 (19.0% Open)</td>
<td>24&quot;</td>
<td>24&quot;</td>
<td>Perf #105 (50.0% Open)</td>
<td>24&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>Perf #104 (16.0% Open)</td>
<td>30&quot;</td>
<td>60&quot;</td>
<td>Perf #103 (5.0% Open)</td>
<td>30&quot;</td>
<td>60&quot;</td>
<td>Perf #107 (5.43% Open)</td>
<td>24&quot;</td>
<td>24&quot;</td>
<td>Perf #106 (19.0% Open)</td>
<td>23.5&quot;</td>
<td>96&quot;</td>
</tr>
<tr>
<td>Perf #105 (19.0% Open)</td>
<td>30&quot;</td>
<td>60&quot;</td>
<td>Perf #104 (8.0% Open)</td>
<td>30&quot;</td>
<td>60&quot;</td>
<td>Perf #108 (11.0% Open)</td>
<td>24&quot;</td>
<td>24&quot;</td>
<td>Perf #107 (5.43% Open)</td>
<td>24&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>Perf #106 (16.0% Open)</td>
<td>30&quot;</td>
<td>60&quot;</td>
<td>Perf #105 (5.43% Open)</td>
<td>30&quot;</td>
<td>60&quot;</td>
<td>Perf #109 (11.0% Open)</td>
<td>24&quot;</td>
<td>24&quot;</td>
<td>Perf #108 (11.0% Open)</td>
<td>23.5&quot;</td>
<td>96&quot;</td>
</tr>
<tr>
<td>Perf #107 (16.0% Open)</td>
<td>30&quot;</td>
<td>60&quot;</td>
<td>Perf #106 (5.43% Open)</td>
<td>30&quot;</td>
<td>60&quot;</td>
<td>Perf #110 (13.0% Open)</td>
<td>23.5&quot;</td>
<td>96&quot;</td>
<td>Perf #109 (11.0% Open)</td>
<td>24&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>Perf #110 (36.0% Open)</td>
<td>24&quot;</td>
<td>60&quot;</td>
<td>Perf #107 (20.0% Open)</td>
<td>24&quot;</td>
<td>96&quot;</td>
<td>Perf #111 (25.0% Open)</td>
<td>23.5&quot;</td>
<td>96&quot;</td>
<td>Perf #110 (36.0% Open)</td>
<td>23.5&quot;</td>
<td>96&quot;</td>
</tr>
</tbody>
</table>

#### Interior Installation

**Material Thickness**
- Torsion Spring Planks: .032", .040", .050", or .063" Aluminum

**Panel Finishes**
- Painted & Powder Coated - Interior & Exterior
- Luxacote - Interior & Exterior
- Decorated Wood Finish (Powder Coated) - Interior & Exterior
- See Table 2 for Perforation Options

**Panel Configurations:**
- 12" and 24" Widths
- 24", 48", 60", 72", and 96" Lengths
- Other sizes available, contact Hunter Douglas

**Specifications**

Material: .032", .040", .050", or .063" Aluminum

Finish Pant: Powder Coat

Decorated Wood Finish (Luxacote)

Perforation: See above, Table 1

**Project:** Torsion Spring Product Specifications

Drawing Number: TS-A1.1

Scale: As Shown

Drawn By: HD Engineering

Date: 2/15/2019
INTERIOR INSTALLATION

SUSPENSION SPECIFICATIONS
SCALE: NTS

1. COMPRESS TORSION SPRINGS.
2. PUSH PANEL AND TORSION SPRINGS THROUGH PUNCHED MAIN TEE HOLES.
3. RELEASE SPRINGS TO HOLD PANEL IN PLACE.

PANEL INSTALLATION ISOMETRIC
SCALE: NTS

PROJECT: TORSION SPRING PRODUCT SPECIFICATIONS
DRAWING NUMBER: TS-A1.2
SCALE: AS SHOWN
DRAWN BY: HD ENGINEERING
DATE: 2/15/2019
**INTERIOR INSTALLATION**

**DETAIL 'A'**

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

- **10'-0" WALL ANGLE TRIM PART LENGTH**
- **1" BOX MOLD, NO HOLD DOWN CLIP REQUIRED**
- **FACTORY TORSION SPRING PANEL END**
- **12 GA HANGER WIRE, 48" D.C. ALONG MAIN TEE, NOT BY HUNTER DOUGLAS**

**DETAIL 'B'**

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

- **1" BOX MOLD, NO HOLD DOWN CLIP REQUIRED**
- **FACTORY TORSION SPRING PANEL END**
- **12 GA HANGER WIRE, 48" D.C. ALONG MAIN TEE, NOT BY HUNTER DOUGLAS**

**NOTE:**

- **PANELS ARE INACCESSIBLE FROM BELOW AT PERIMETER TRIMS. PLEASE REFER TO DETAIL A1.5 FOR TRIMLESS ACCESSIBILITY.**

**SPECIFICATIONS**

- **MATERIAL:** .032" | .040" | .050" | .063" ALUMINUM
- **FINISH:** PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE
- **PERFORATION:** SEE DETAIL A1.1, TABLE 1

**WALL TRIM SPECIFICATIONS**

**PROJECT:** TORSION SPRING PRODUCT SPECIFICATIONS

**DRAWING NUMBER:** TS-A1.4

**SCALE:** AS SHOWN

**DRAWN BY:** HD ENGINEERING

**DATE:** 2/15/2019

---

**ALL RIGHTS RESERVED. THIS DRAWING IS THE PROPERTY OF HUNTER DOUGLAS CEILINGS. IT MAY NOT BE COPIED ORマルチプリントライソウラさら方法。It may not be reprinted or distributed to a third party for personal or commercial purposes.**

**48" MAX CROSS TEE SPACING, CENTERED MID-PANEL, TYP.**

**12" MAX MAIN TEE OVERHANG, TYP.**

**TRIM SPRING AS REQUIRED TO FIT**

**12 GA HANGER WIRE, 48" D.C. ALONG MAIN TEE, NOT BY HUNTER DOUGLAS**

---

**12 GA HANGER WIRE, BY OTHERS**

**TORSION SPRING**

**24" X 48" TORSION SPRING PANEL**
12" MAX MAIN TEE OVERHANG, TYP.
TRIM SPRING AS REQUIRED TO FIT

FACTORY TORSION SPRING PANEL END

12 GA HANGER WIRE, 48" O.C. ALONG MAIN TEE, NOT BY HUNTER DOUGLAS

MAIN TEE

FACTORY TORSION SPRING PANEL END

4'-0" MAX CROSS TEE SPACING, CENTERED MID PANEL, TYP.

12" MAX MAIN TEE OVERHANG, TYP.
TRIM SPRING AS REQUIRED TO FIT

FACTORY TORSION SPRING PANEL END

12 GA HANGER WIRE, 48" O.C. ALONG MAIN TEE, NOT BY HUNTER DOUGLAS

MAIN TEE

FACTORY TORSION SPRING PANEL END

DETAIL 'A'
SCALE: 3" = 1'-0"

DETAIL 'B'
SCALE: 3" = 1'-0"
NOTE:
FIXTURE OR DIFFUSER MUST BE INDEPENDENTLY SUPPORTED IN ACCORDANCE WITH LOCAL BUILDING CODES AND MANUFACTURER’S INSTRUCTIONS

INTERIOR INSTALLATION

SPECIFICATIONS
UNLESS NOTED OTHERWISE
MATERIAL: 0.032" | 0.040" | 0.050" | 0.063" ALUMINUM
FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE
PERFORATION: SEE DETAIL A1.1, TABLE 1

TYPICAL ISOMETRIC
SCALE: NOT TO SCALE

TORSION SPRING
12 GA HANGER WIRE, BY OTHERS
CROSS TEE
MAIN TEE

SECTION 'A'
SCALE: 3" = 1'-0"

24" MAX CLEAR OPENING, PANEL END TO PANEL END
FLANGED FIXTURE LENGTH PANEL

FIXTURE INDEPENDENTLY SUPPORTED. SEE NOTE

SECTION 'B'
SCALE: 3" = 1'-0"

48" MAX CLEAR OPENING, PANEL END TO PANEL END
FLANGED FIXTURE LENGTH PANEL

FURTHER DETAILS:
12 GA HANGER WIRE, 48" O.C. ALONG MAIN TEE, NOT BY HUNTER DOUGLAS

FIXTURE INDEPENDENTLY SUPPORTED. SEE NOTE

FULL FACTORY LENGTH PANEL

HD ENGINEERING
2/15/2019

5015 Oakbrook Parkway, Suite 100
Norcross, GA 30093
O 800.366.4327
F 770.806.0214
CTSpecialtyCeilings.com

PROJECT: TORSION SPRING PRODUCT SPECIFICATIONS
DRAWING NUMBER: TS-A1.6
SCALE: AS SHOWN
DRAWN BY: HD ENGINEERING
DATE: 2/15/2019

5015 Oakbrook Parkway, Suite 100
Norcross, GA 30093
O 800.366.4327
F 770.806.0214
CTSpecialtyCeilings.com

All rights reserved. This drawing is the property of HunterDouglas. It may not be copied or multiplied, in whole or in part, without written permission. It may not be used for personal or third party projects.
NOTE:
FIXTURE OR DIFFUSER MUST BE INDEPENDENTLY SUPPORTED IN ACCORDANCE WITH LOCAL BUILDING CODES AND MANUFACTURER’S INSTRUCTIONS

SECTION 'A'
SCALE: 3" = 1'-0"

SECTION 'B'
SCALE: 3" = 1'-0"

FIELD CUT PANEL OPENING SPECIFICATIONS

PROJECT: TORSION SPRING PRODUCT SPECIFICATIONS
DRAWING NUMBER: TS-A1.7
SCALE: AS SHOWN
DRAWN BY: HD ENGINEERING
DATE: 2/15/2019

SPECIFICATIONS

MATERIAL: .032" | .040" | .050" | .063" ALUMINUM
FINISH: PAINT | POWDER COAT | DECORATED WOOD FINISH | LUXACOTE PERFORATION SEE DETAIL A1-1, TABLE 1

TYPICAL ISOMETRIC
SCALE: NOT TO SCALE

INTERIOR INSTALLATION
LATERAL BRACING: 

BRACE WITH HANGER WIRES AND STRUTS PER ASTM E-580 AND IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS.

(4) #12 GAUGE WIRES SPLAYED 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. SPLAYED 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.

INTERIOR INSTALLATION