



ARCHITECTURAL METALS Division



PURPOSE SPECIFICATION

*Ideal for spaces
requiring both style
and security*



DATA SHEET: **NUVO™ Panel-TSP WT** (Light Security)

The **NuvoPanel-TSP WT** Series is an innovative panel system specifically engineered for light-security ceiling applications, offering a sleek, virtually monolithic appearance with greater security performance. Utilizing an exclusive butted-join panel design, **NuvoPanel-TSP WT** Series panels reduces or eliminates visible fasteners, providing a clean, uninterrupted aesthetic ideal for spaces requiring both style and security. Panels are easily removed using the specialized WT tool, enabling authorized personnel quick access without compromising the integrity of the system. Combining durability, ease-of-access, and elegant design, **NuvoPanel-TSP WT** Series panels are the ideal choice for securer environments that demand fully functionality and contemporary appeal.



Nelson Industrial Inc. / Architectural Metals Division
905-428-2240 • www.nelsonamd.com • info@nelsonamd.com



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Materials

Aluminum Sheet: 3003-H14 alloy (Standard) or 5005-H34 alloy (For use with anodized finishes).
Typical minimum thickness 20 Ga. (.032" / 0.8 mm)

Stainless Steel Sheet: Type 304 (Standard) or 316 (For higher degree of corrosion resistance). Minimum gauge 22 Ga. (.031" / 0.8 mm)

Galvanized Steel Sheet: Satin Galvanized (galvanneal), Typical minimum 24 Ga. (.028" / 0.7 mm)

Finishes

Aluminum: Baked polyester powder, or two or three coat fluoropolymer coatings by PPG® or Valspar®. Class I or II anodic finishes.

Ourborite™ or Ourborite LUX™ Wood Grain finishes

Stainless Steel: Satin brush # 4, Mirror # 8 or other readily available finishes for example, Non-Directional Brush or Random Swirl.

Galvanized Steel Sheet: Baked polyester powder.

Dimensions

Metal Ceiling Panels are typically supplied up to a maximum of 16 square feet, for example 2' x 8' or 4' x 4'.

Designs

Panels are available as traditional Torsion Spring or Swing Clip torsion style.

Acoustics

Metal Ceilings are available both non-perforated (non-acoustic) and perforated (acoustic). Perforation patterns are limited only to the type of material and gauge chosen and available tooling. Presently Nelson offers more than fifty different perforation patterns ranging from diagonal (45-degree), staggered (60-degree) to straight as well as round, square and oblong holes.

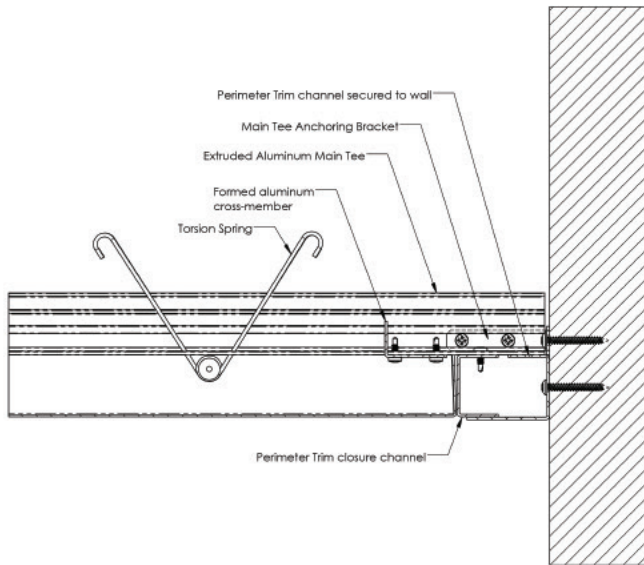
Our standard acoustical material consists of a Black pre-laminated fleece (SoundTex®) bonded to the concealed face of the ceiling panel. Alternative acoustic insulation options available to suit specifications. For more details and options contact your local Nelson Sales Representative or call our office at 1-800-277-6897

Standard References

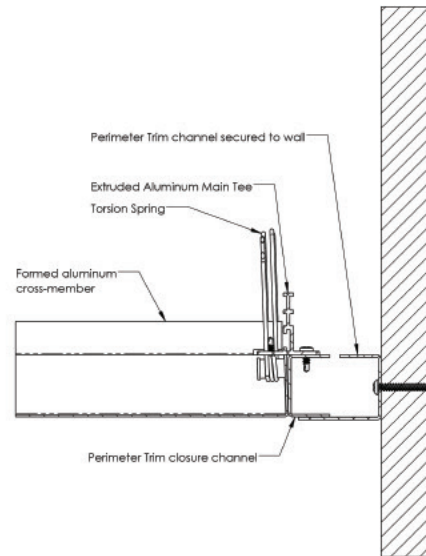
- A. ASTM E84 - Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.
- B. AAMA 605.2 - Specification for High Performance Finishes.
- C. ASTM A 366/A 366M Standard Specification for Commercial Steel (CS) Sheet, Carbon (0.15 Maximum Percent) Cold-Rolled; 1997.
- D. ASTM A 666 Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2000.
- E. ASTM B36/B 36M Standard Specification for Brass Plate, Sheet, Strip, and Rolled Bar; 2006.
- F. ASTM B 209/B 209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2004.



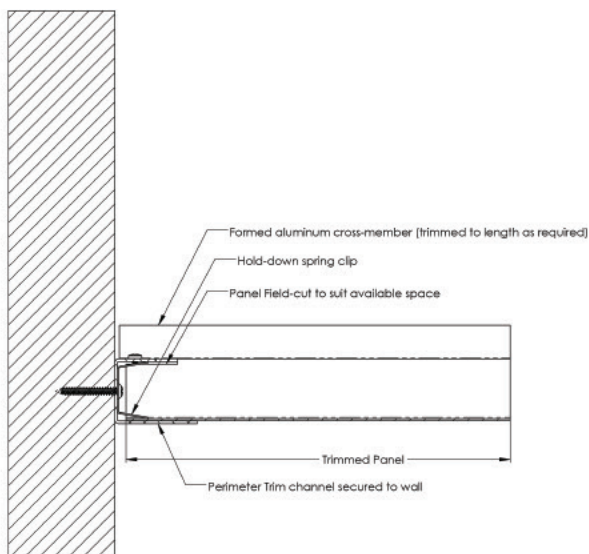
NUVO™ Panel-TSP WT



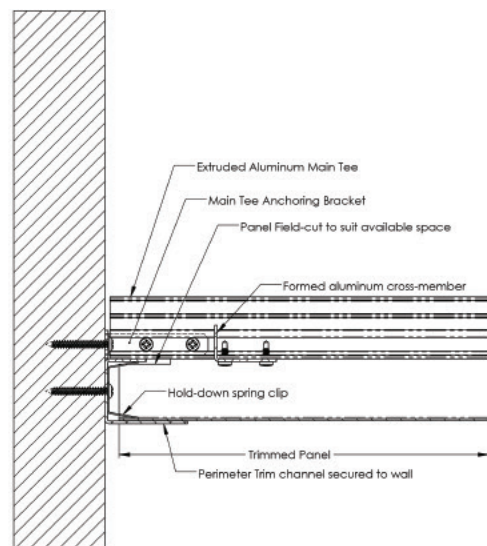
SECTION A-A
Section Detail @ Full Panel Perimeter (Parallel to Main Tees)



SECTION B-B
Section Detail @ Full Panel Perimeter (Perpendicular to Main Tees)



SECTION C-C
Section Detail @ Field-Cut Perimeter (Parallel to Main Tees)



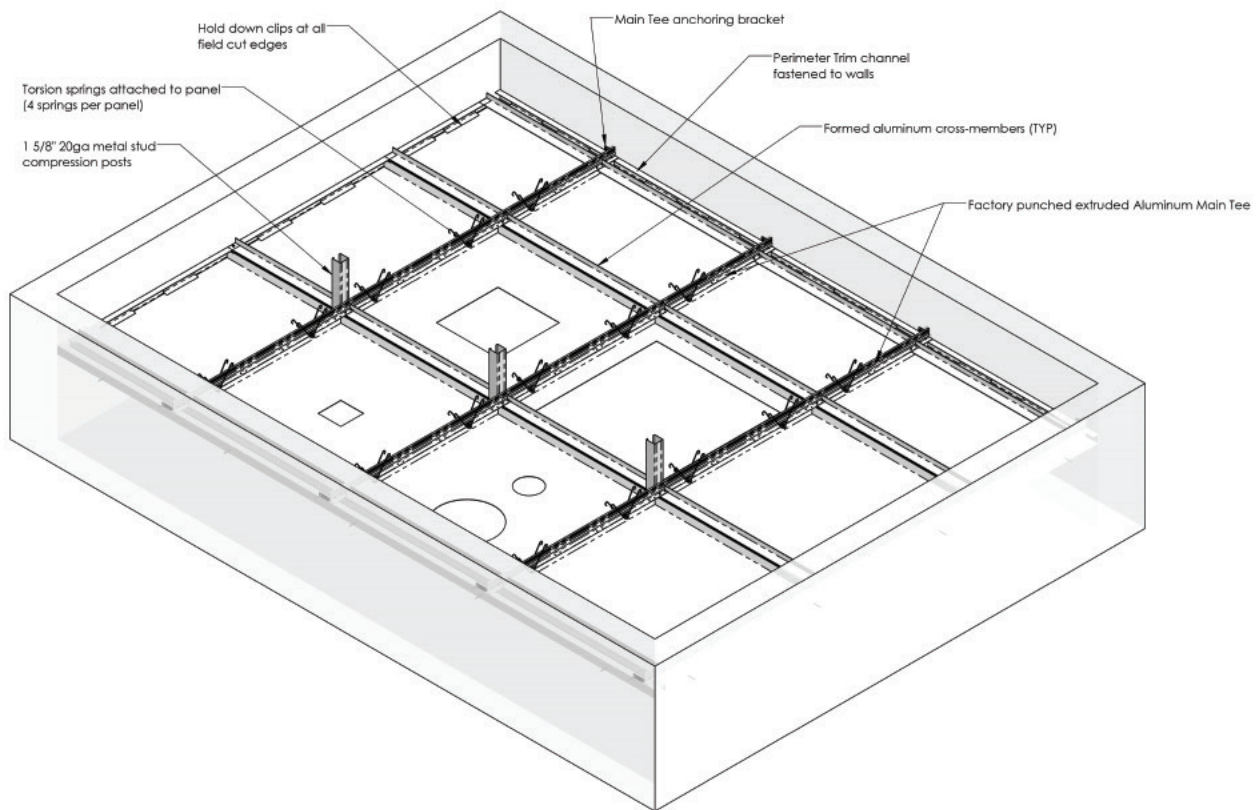
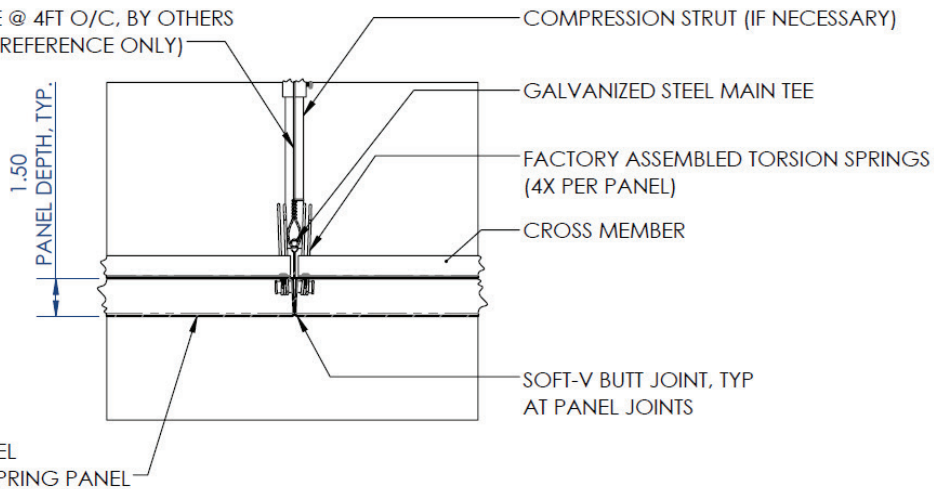
SECTION D-D
Section Detail @ Field-Cut Perimeter (Perpendicular to Main Tees)



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NUVO™ Panel-TSP WT

HANGER WIRE @ 4FT O/C, BY OTHERS
(SHOWN FOR REFERENCE ONLY)



Isometric View from Above



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