SUBMITTAL SHEET

TAVOLA™ BEAM & BAFFLE SERIES – METAL

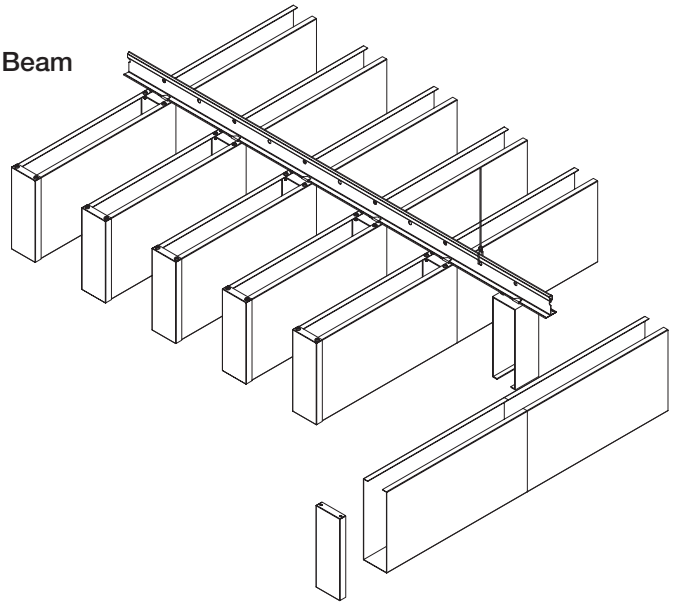
Project Name _____

Specification Section _____

Ceiling Type _____

Return Form To Hunter Douglas
E-mail: ceilings@hunterdouglas.com
Fax: 770-806-0214

Example: Beam



SUBSTRATE: ALUMINUM

☐ .025" ☐ .032" ☐ .040" ☐ Other (consult with Hunter Douglas)

BEAM PROFILES (W x H)

☐ 1" x 2"	☐ 1-1/2" x 2"	☐ 2" x 2"	☐ 3" x 2"	☐ 4" x 2"	☐ 6" x 2"	☐ 8" x 2"
☐ 1" x 3"	☐ 1-1/2" x 3"	☐ 2" x 3"	☐ 3" x 3"	☐ 4" x 3"	☐ 6" x 3"	☐ 8" x 3"
☐ 1" x 4"	☐ 1-1/2" x 4"	☐ 2" x 4"	☐ 3" x 6"	☐ 4" x 4"	☐ 6" x 4"	☐ 8" x 4"
☐ 1" x 5"	☐ 1-1/2" x 5"	☐ 2" x 6"		☐ 4" x 6"	☐ 6" x 6"	☐ 8" x 6"
☐ 1" x 6"	☐ 1-1/2" x 6"				☐ Other _____	

BEAM SPACING ☐ 4" ☐ 6" ☐ 8" ☐ Other _____

COLOR/FINISH ☐ Cotton White – #0280 ☐ Black – #1883 ☐ Natural – #7163 ☐ Other _____

PERFORATION PATTERN ☐ #103 ☐ #106 ☐ #111 ☐ #119 ☐ #132 ☐ #150

END CAP ☐ Yes ☐ No

EXPOSURE ☐ Interior

SHOP DRAWINGS ATTACHED? ☐ Yes ☐ No

To Contact Us:
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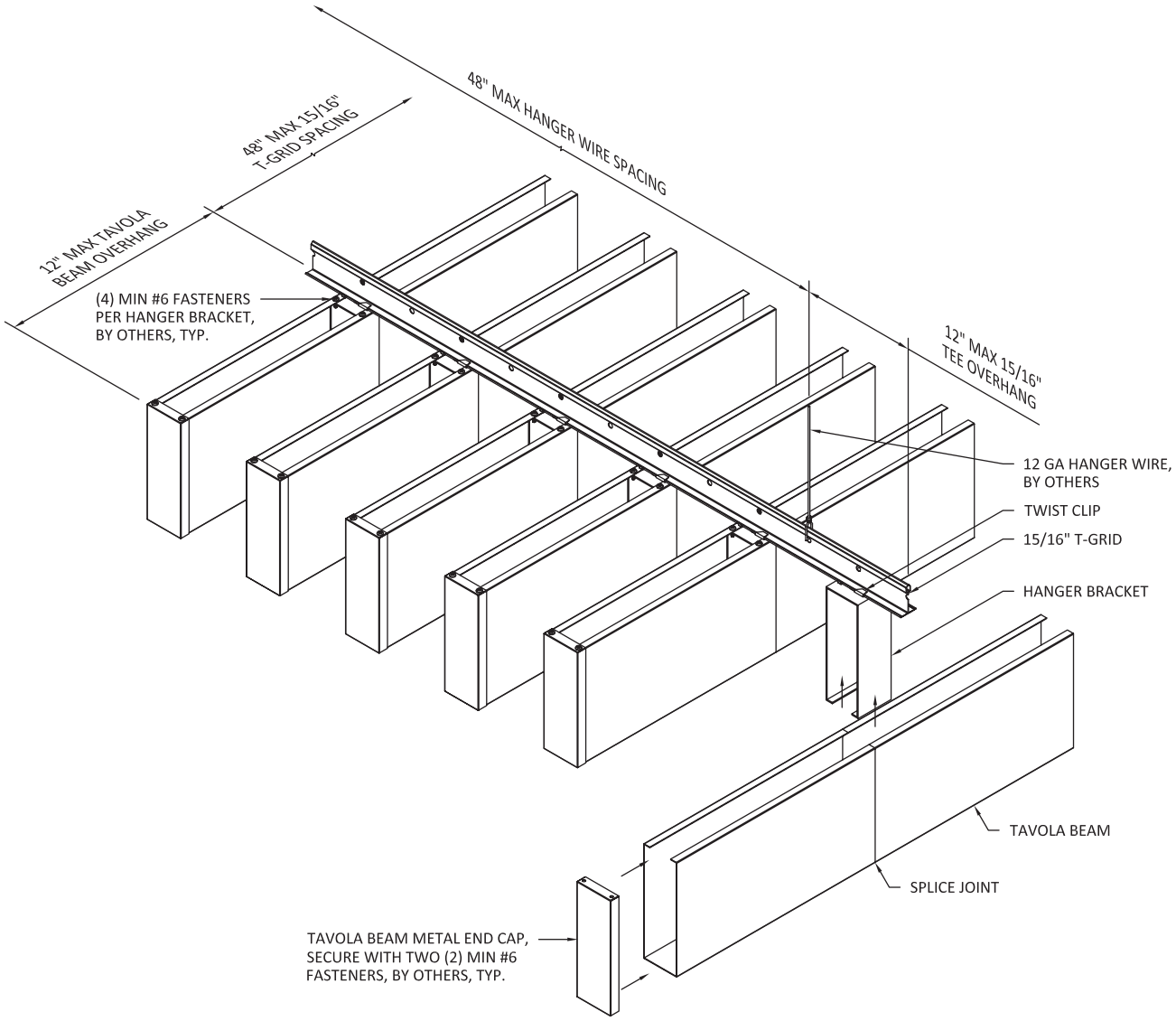
www.hunterdouglascontract.com/ceilings

SUBMITTAL SHEET **TAVOLA™**
BEAM & BAFFLE SERIES – METAL

METAL – END CAPS



TESTING RESULTS

Surface Burning ..... Class A (ASTM E84)
Flame ≤ 25
Smoke ≤ 50

Light Reflectance LR1
(White)

Stability under humidity ..... Yes

IAQ Friendly ..... Yes – Mold & Mildew Resistant

VOCs ..... No

Fiber Content ..... No

Moisture Resistance ..... Excellent

Life Cycle ..... Excellent

SUSTAINABILITY

Hunter Douglas light-weight aluminum ceilings are manufactured from material with a minimum of 85% recycled content

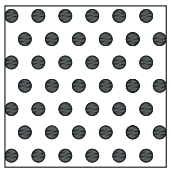
GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

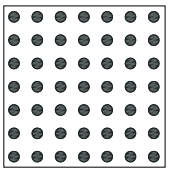
ecoScorecard℠
LEED Calculator

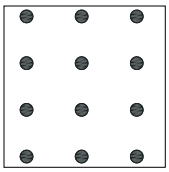
U.S. GREEN BUILDING COUNCIL MEMBER

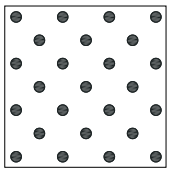
PERFORATIONS

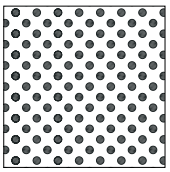
Perforated panels improve acoustical performance as well as create aesthetic effects.

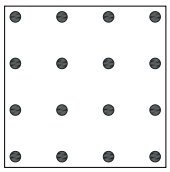
#103

Perforation dia: .118 in.
Open area: 20%

#106

Perforation dia: .098 in.
Open area: 16%

#111

Perforation dia: .118 in.
Open area: 5%

#119

Perforation dia: .098 in.
Open area: 8%

#132

Perforation dia: .070 in.
Open area: 20%

#150

Perforation dia: .098 in.
Open area: 4%

Acoustical Baffle Test Results

2" x 6" Perforated Baffle Beam
Spacing = 6 inches o.c.

For other Beam profiles and spacing, contact Hunter Douglas.

Perforation Pattern	Acoustical Infill	Apparent NRC	Apparent SAA
132	Non-Woven Fabric	0.60	0.61
132	Non-Woven plus 1.5", 1.5 pcf fiberglass	1.00	1.01
132	Non-Woven plus 1.5", 1.5 pcf black poly encapsulated fiberglass	0.95	0.95
132	Non-Woven plus 1.5", 3.0 pcf black poly encapsulated fiberglass	1.00	0.95
106	Non-Woven Fabric	0.60	0.60
106	Non-Woven plus 1.5", 1.5 pcf fiberglass	1.00	1.00
106	Non-Woven plus 1.5", 1.5 pcf black poly encapsulated fiberglass	1.00	0.95
106	Non-Woven plus 1.5", 3.0 pcf black poly encapsulated fiberglass	1.00	0.96
119	Non-Woven Fabric	0.60	0.60
119	Non-Woven plus 1.5", 1.5 pcf fiberglass	1.00	0.98
119	Non-Woven plus 1.5", 1.5 pcf black poly encapsulated fiberglass	1.00	0.94
119	Non-Woven plus 1.5", 3.0 pcf black poly encapsulated fiberglass	0.90	0.94

Tests conducted in accordance with ASTM C423 and E795, with mounting type "J"
Test Reports available upon request.

Appendix A to ASTM C423 Sound Absorption Test

Non-standard calculation of equivalent NRC Rating and Absorption Coefficients from spaced absorbers.

At this time ASTM C423 does not provide a standard method for determining absorption coefficients of spaced object absorbers. Tests of a set of sound absorbing objects spaced apart from each other will yield higher absorption rates than a specimen joined together as a single patch (A-Mount or E-Mount). For this reason it is unfair to provide NRC or absorption coefficient ratings for specimens that consist of a spaced set of absorbers. Despite this, the architectural industry has expressed great demand for a simple "single number" rating for these treatments. Likewise, acoustical consultants desire equivalent absorption coefficient data for use in acoustical modeling programs. The following is an attempt to appease these demands until ASTM develops a standard method for calculation. An alternate non-standard calculation method is provided.

Apparent Sound Absorption Coefficient calculated from total test surface area covered.

The total sound absorption yielded by the specimen is divided by the total horizontal surface area of the test surface covered by the suspended baffles, including intermediate spaces. The baffle rigging covered 80.0 sf of horizontal test surface area. Apparent Noise Reduction Coefficient (NRC) rating and Sound Absorption Average (SAA) figures are calculated from this data based on the methods described in ASTM C423-09a. This may be the most accurate method for comparing baffle arrays to ceiling tile products. The apparent sound absorption coefficient data can be assigned to a single horizontal surface or plane in acoustical modeling software for approximation of baffle array performance (assuming baffle spacing is similar to that tested).