

NEWACOUSTIC

The Masters of Acoustic Comfort



USA



Acoustical Stretch Ceiling and Wall Systems

NEW/ACOUSTIC	P. 6
NEW/ACOUSTIC & NEW/LIGHT	P. 8
NEW/ACOUSTIC 3D	P. 11
NEW/ACOUSTIC for Indoor Pools	P. 12
NEW/ACOUSTIC & NEW/MIRODAL	P. 14
Acoustical Properties	P. 16
Technical Details	P. 22
Profiles	P. 48
Membrane Options	P. 50

Client Unico Tower Lobby / Seattle, WA, USA

Specifier MBT Architecture / Architect

Product NEW/ACOUSTIC 3D system using ACM15 / White Matte micro-perforated membranes over fiberglass backing

Client Aquarena / Arras, France

Specifier Alain Sarfati Architectures / Architect

Product NEW/ACOUSTIC 3D systems using ACL101 / White Lacquer and ACL26 / Blue Lacquer micro-perforated membranes over 3D aluminum skeleton





NEW/ACOUSTIC allows you to create beautiful spaces with exceptional acoustical comfort through tailored sound absorption

NEW/ACOUSTIC is a patented NEWMAT micro-perforating process that can be applied to any of our membranes. The diameter of the micro-perforation can vary in order to provide specific absorption at different frequencies.

NEW/ACOUSTIC, through its range of perforation options, with or without acoustical backing, and combined with different plenum depths, will act as a Helmholtz resonator, effectively tuning the absorption and providing an acoustical spectrum to match the requirements of your application.

NEW/ACOUSTIC is ideal for all applications in which it is necessary to control the range of the human voice, eliminating unwanted echoes while keeping the space alive.

NEW/ACOUSTIC micro-perforated membranes allow more high frequency information through, which is attenuated in the plenum with backing materials. At the same time, more energy is reflected than if the backing materials were fully exposed, which avoids creating a “dead-sounding” space.

NEW/ACOUSTIC, with 250,000 micro-perforations per square meter, provides the perfect balance between the acoustical properties and mechanical resilience, while the micro-perforations remain invisible.

Client Providence Public Safety Complex / Providence, RI, USA

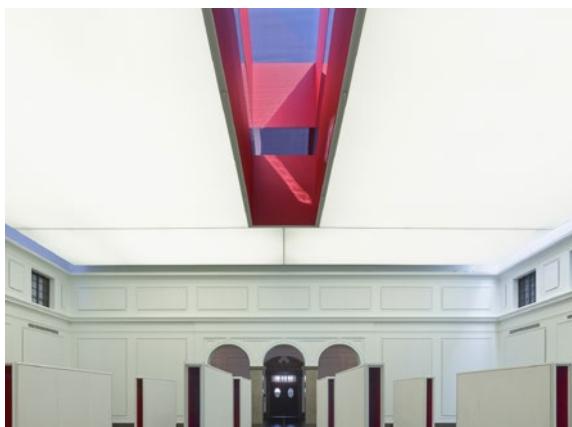
Specifier Jung Brannen Associates / Architect

Product NEW/ACOUSTIC 3D system using ACM15 / White Matte micro-perforated membranes over fiberglass backing



NEWACOUSTIC & NEWLIGHT

NEW/ACOUSTIC, as a single or a double-layer system with translucent micro-perforated membranes, can become not only an acoustical absorber but also a lighting system.



Client Musee d'Arts de Nantes / Nantes, France

Specifier Stanton Williams / Architect

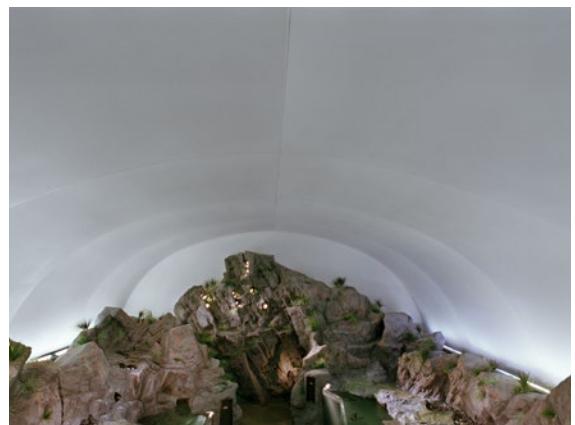
Product NEW/ACOUSTIC and NEW/LIGHT double-layer system using ACT0BM / Soft White Translucent and ACT1 / Natural micro-perforated membranes





NEWACOUSTIC 3D

Because of their flexible nature, the NEW/ACOUSTIC membranes can be used to create shapes and forms for 3D applications.



Client Port of Long Beach / Long Beach, CA, USA

Specifier Gensler / Architect

Product NEW/ACOUSTIC 3D system using ACM15 / White Matte micro-perforated membranes over aluminum skeleton to achieve a 7" vertical return on all sides

NEWACOUSTIC for Indoor Pools

The NEW/ACOUSTIC membranes are ideal for indoor pool applications. Not only are they unaffected by the humidity, heat and chlorine present in this environment, but they also help to tone down the high frequency sounds that reverberate through most indoor pool spaces.



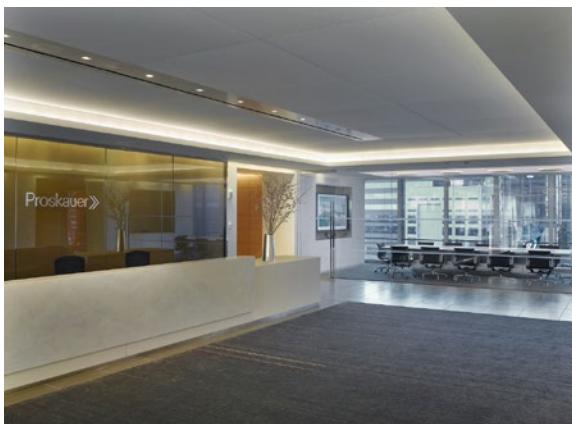
Client Centre Aquatique de Cognac / Cognac, France
Specifier BVL Architecture / Architect

Product NEW/ACOUSTIC system using ACL101 / White Lacquer membranes with custom perforations of 300,000 perforations per square meter with a diameter of 0.5 mm



NEW/ACOUSTIC & NEW/MIRODAL®

Our NEW/ACOUSTIC micro-perforated membranes can be used to wrap our NEW/MIRODAL custom panel systems.



Client Queens Museum of Art / Flushing, NY, USA

Specifier Grimshaw Architects / Architect

Product NEW/ACOUSTIC & NEW/MIRODAL custom panels / baffles using ACM15 / White Matte micro-perforated membranes over custom aluminum frames and acoustical fiberglass backing



ACOUSTICAL PROPERTIES.

Below are various absorption spectrums provided by some NEW/ACOUSTIC systems, which include various perforations, acoustical backing options, and plenum depths.

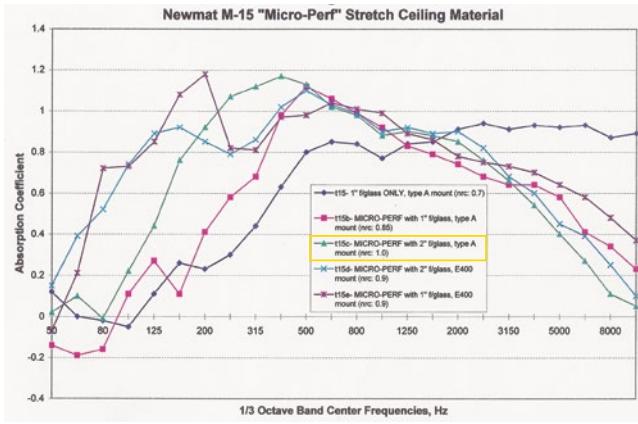
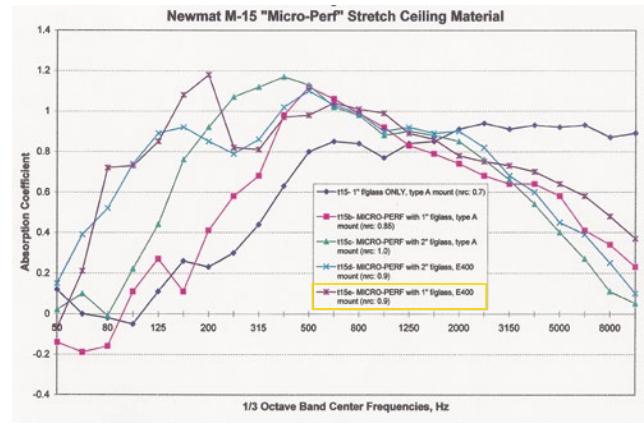
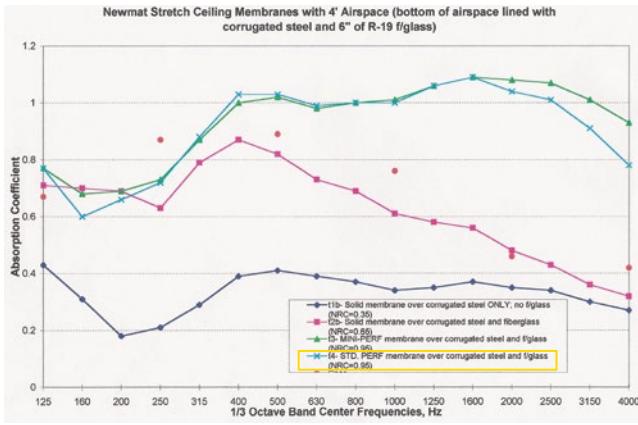


Table 1											
Test Report No. 936-1-99											
Specimen: Newmat Stretch Ceiling Material											
Absorption Coefficient											
Frequency Hz	Test No. 936-1b-99	Test No. 936-2b-99	Test No. 936-3b-99	Test No. 936-4b-99	Test No. 936-5b-99	Test No. 936-6b-99	Test No. 936-7b-99	Test No. 936-8b-99	Test No. 936-9b-99	Test No. 936-10b-99	Test No. 936-11b-99
125	0.43	0.71	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
160	0.31	0.7	0.68	0.6	0.43	0.41	0.49	0.49	0.49	1.01	0.59
200	0.18	0.69	0.69	0.66	0.41	0.41	0.4	0.89	0.93	0.42	0.49
250	0.29	0.73	0.73	0.72	0.72	0.72	0.72	0.72	0.72	0.97	0.51
315	0.29	0.78	0.88	0.88	0.73	0.73	0.8	0.9	0.94	0.7	0.75
400	0.39	0.87	1	1.03	0.88	0.83	0.7	0.82	0.76	0.83	0.83
500	0.41	0.82	1.02	1.03	0.82	0.85	0.7	0.79	0.69	0.74	0.83
630	0.39	0.85	1.05	1.05	0.85	0.85	0.7	0.82	0.76	0.74	0.74
800	0.37	0.69	1	0.93	0.93	0.67	0.68	0.67	0.68	0.94	0.93
1000	0.34	0.61	1.01	1	0.97	0.99	0.61	0.63	0.67	0.6	0.95
1250	0.36	0.64	1.04	1.04	1.02	0.98	0.64	0.66	0.62	1.01	1
1600	0.37	0.56	1.09	1.09	1.05	1.07	0.54	0.57	0.56	0.53	1.02
2000	0.35	0.48	1.08	1.04	1.07	1.07	0.5	0.52	0.44	0.47	0.97
2500	0.34	0.43	1.07	1.01	1.07	1.07	0.44	0.43	0.4	0.34	0.91
3150	0.35	0.46	1.09	1.01	1.07	1.07	0.48	0.48	0.46	0.47	0.97
4000	0.27	0.32	0.93	0.78	0.97	0.98	0.37	0.33	0.43	0.1	0.57
NRC:	0.35	0.65	0.95	0.95	0.85	0.85	0.55	0.7	0.7	0.55	0.85

Test Description:

- Test 936-1b-99: Newmat solid membrane over corrugated steel.
- Test 936-2b-99: Newmat solid membrane over corrugated steel and 6" of R-19 Fiberglass (over the steel).
- Test 936-3b-99: Newmat solid membrane over corrugated steel and 6" of R-19 Fiberglass (over the steel).
- Test 936-4b-99: Standard PERF membrane over corrugated steel and 6" of R-19 Fiberglass (over the steel).
- Test 936-5b-99: Standard PERF membrane over corrugated steel coated with a 1" layer of SonaSpray FC Cellulose Acoustical Finish from K-13 Spray-On Systems. NRC=0.95
- Test 936-6b-99: Newmat solid PERF membrane over corrugated steel coated with a 1" layer of SonaSpray FC Cellulose Acoustical Finish from K-13 Spray-On Systems. NRC=0.95
- Test 936-7b-99: Newmat solid membrane over corrugated steel coated with a 1" layer of SonaSpray FC Cellulose Acoustical Finish from K-13 Spray-On Systems. NRC=0.95
- Test 936-8b-99: Newmat solid membrane over 3-7/8" RA=24 (1.58") fiberglass suspended inside the box, 3" from membrane (measured from fiberglass' face). NRC=0.95
- Test 936-9b-99: Newmat solid membrane over corrugated steel coated with a 2.25" layer of SonaSpray FC Cellulose Acoustical Finish from K-13 Spray-On Systems. NRC=0.95
- Test 936-10b-99: Newmat solid Micro-Perf membrane over corrugated steel coated with a 2.25" layer of SonaSpray FC Cellulose Acoustical Finish from K-13 Spray-On Systems. NRC=0.95
- Test 936-11b-99: Newmat standard PERF membrane over corrugated steel coated with a 2.25" layer of SonaSpray FC Cellulose Acoustical Finish from K-13 Spray-On Systems. NRC=0.95

Table1: Absorption Test Results for Single Layer of Micro-Perforated Membrane manufactured and supplied by Newmat USA, Inc. suspended over various cavity depths.

Freq. Hz	4" Cavity Depth			5" Cavity Depth			6" Cavity Depth			7" Cavity Depth		
	No Fill	1" thk. 6f Fiberglass	2" thk. 3f Fiberglass	No Fill	1" thk. 6f Fiberglass	2" thk. 3f Fiberglass	No Fill	1" thk. 6f Fiberglass	2" thk. 3f Fiberglass	No Fill	1" thk. 6f Fiberglass	2" thk. 3f Fiberglass
50	-0.08	0.11	0.09	-0.08	0.01	-0.03	0.07	0.05	0.05	0.09	0.14	-0.14
80	0.20	0.18	0.24	0.17	0.12	0.15	0.18	0.15	0.14	0.20	0.19	0.32
100	0.33	0.28	0.30	0.18	0.29	0.18	0.15	0.27	0.12	0.36	0.34	0.36
125	0.49	0.60	0.56	0.57	0.46	0.68	0.18	0.26	0.09	0.46	0.48	0.55
160	0.23	0.32	0.45	0.54	0.62	0.73	0.33	0.47	0.34	0.51	0.51	0.51
200	0.40	0.45	0.60	0.60	0.75	0.57	0.57	0.68	0.50	0.63	0.63	0.63
250	0.31	0.37	0.47	0.47	0.57	0.57	0.57	0.68	0.50	0.60	0.60	0.60
315	0.31	0.37	0.47	0.47	0.57	0.57	0.57	0.68	0.50	0.60	0.60	0.60
400	0.31	0.37	0.47	0.47	0.57	0.57	0.57	0.68	0.50	0.60	0.60	0.60
500	0.23	0.33	0.44	0.44	0.53	0.53	0.53	0.68	0.50	0.60	0.60	0.60
630	0.55	0.76	0.78	0.47	0.61	0.69	0.38	0.50	0.59	0.65	0.45	0.58
800	0.55	0.66	0.71	0.45	0.55	0.64	0.38	0.51	0.60	0.65	0.52	0.66
1000	0.51	0.61	0.67	0.44	0.56	0.64	0.48	0.63	0.60	0.65	0.56	0.66
1250	0.44	0.54	0.62	0.47	0.57	0.59	0.46	0.50	0.49	0.54	0.48	0.56
1600	0.37	0.47	0.52	0.44	0.56	0.58	0.45	0.53	0.49	0.56	0.49	0.56
2000	0.37	0.45	0.54	0.44	0.57	0.57	0.44	0.55	0.50	0.57	0.50	0.57
2500	0.43	0.55	0.54	0.44	0.57	0.57	0.44	0.56	0.51	0.58	0.51	0.58
3150	0.43	0.51	0.41	0.40	0.48	0.48	0.42	0.49	0.45	0.50	0.43	0.47
4000	0.33	0.46	0.39	0.34	0.43	0.43	0.38	0.43	0.39	0.47	0.36	0.40
5000	0.27	0.44	0.31	0.31	0.35	0.35	0.36	0.39	0.33	0.41	0.34	0.39
6300	0.23	0.44	0.29	0.25	0.30	0.22	0.30	0.25	0.26	0.35	0.27	0.37
8000	0.12	0.41	0.18	0.19	0.20	0.14	0.28	0.19	0.31	0.21	0.23	0.36
10000	0.07	0.31	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.07	0.03	0.30
NRC ¹	0.45	0.65	0.75	0.45	0.60	0.75	0.45	0.60	0.60	0.75	0.55	0.65
SAA ²	0.45	0.63</										



Client Bank of America Headquarters / Charlotte, NC, USA

Specifier Skidmore, Owings & Merrill (SOM) / Architect and HDLC / Lighting Designer

Product NEW/ACOUSTIC 3D system using ACS600 / White Satin micro-perforated membrane over 3D aluminum skeletons and acoustical backing





Client Fayetteville Public Library / Fayetteville, AR, USA

Specifier Meyer, Scherer & Rock Castle (MS&R) / Architect

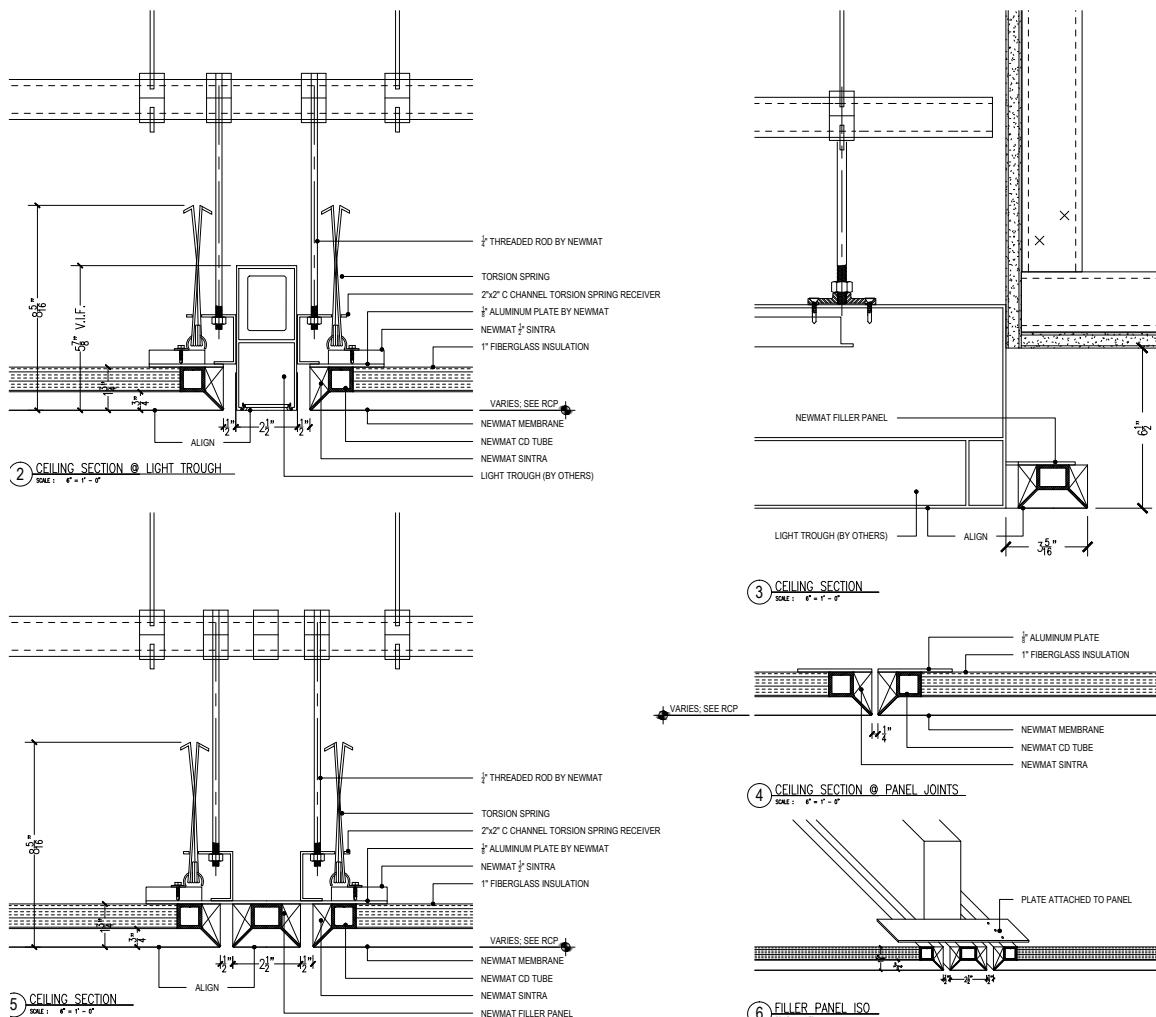
Product NEW/ACOUSTIC 3D system using ACM15 / White Matte micro-perforated membranes over double-profile skeleton and air cavity





DETAILS.

Below are some of the NEW/ACOUSTIC details we have engineered for our projects. We often create and extrude new profiles to meet the design or technical needs of a specific project.



Client Kaye Scholer / New York, NY, USA

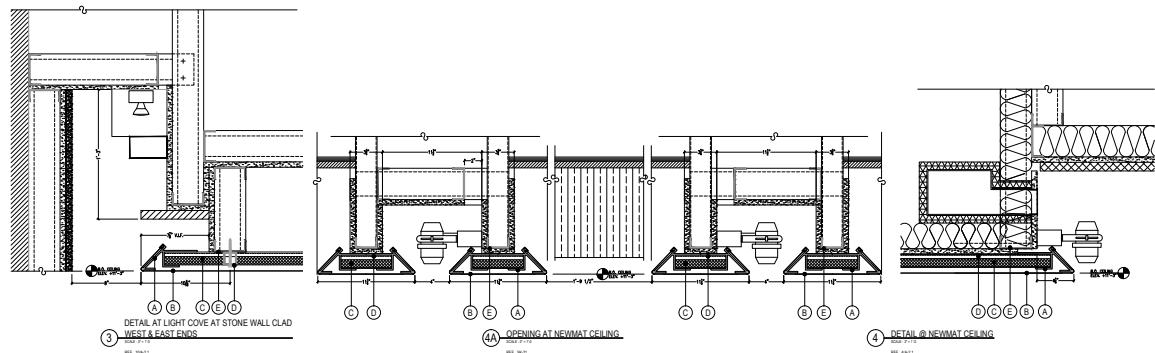
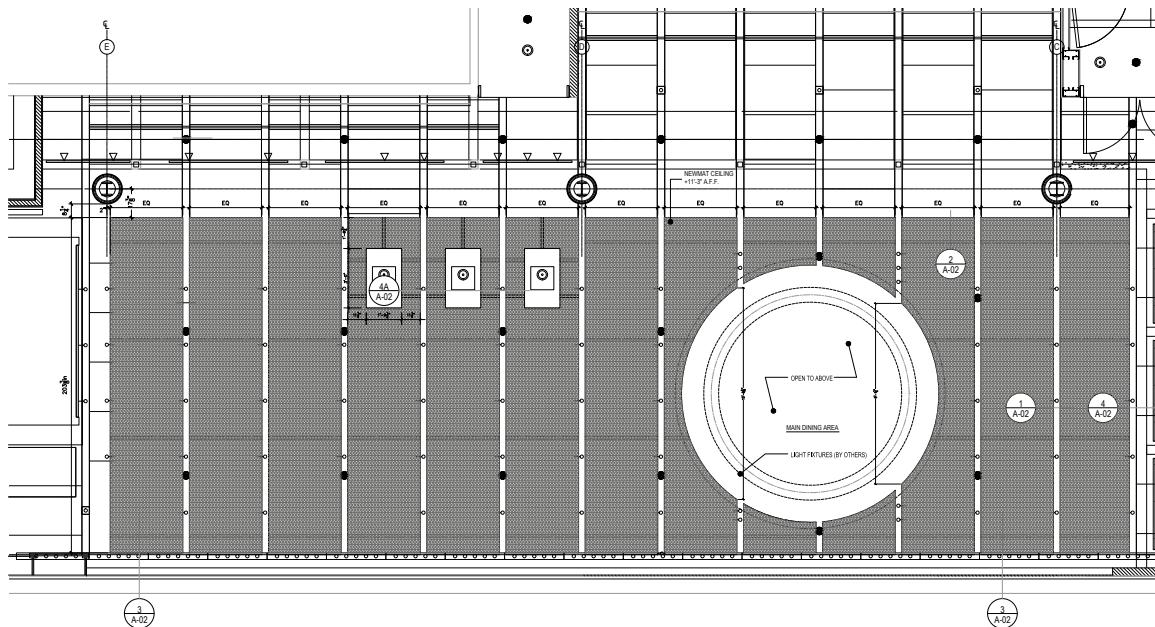
Specifier Gensler / Architect

Product NEW/ACOUSTIC & NEW/MIRODAL torsion spring panels using ACL1 / White Lacquer micro-perforated membranes over custom aluminum frames and fiberglass backing



DETAILS.

Below are some of the NEW/ACOUSTIC details we have engineered for our projects. We often create and extrude new profiles to meet the design or technical needs of a specific project.



Client Toku Restaurant / Manhasset, NY, USA

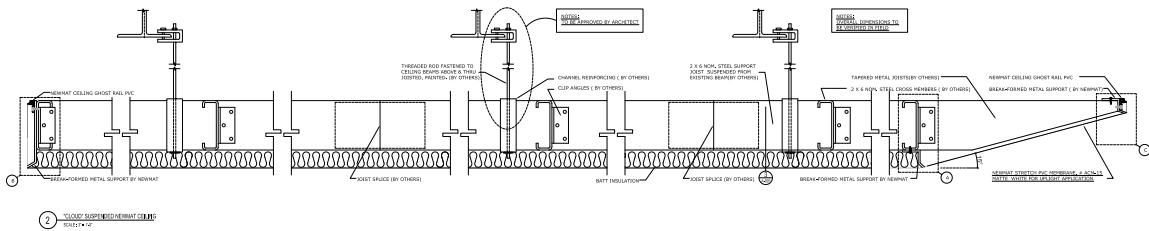
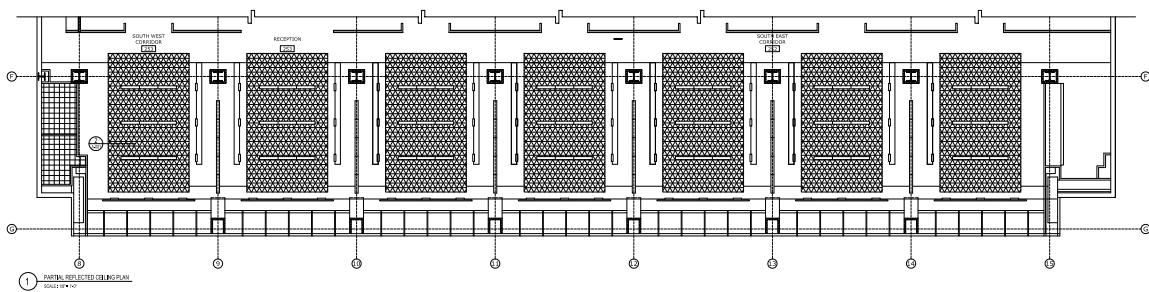
Specifier Bentel & Bentel / Architect

Product NEW/ACOUSTIC clouds using L1 / White Lacquer membranes with 45-degree bullnose perimeters and fiberglass backing



DETAILS.

Below are some of the NEW/ACOUSTIC details we have engineered for our projects. We often create and extrude new profiles to meet the design or technical needs of a specific project.



Client Eurohypo AG / New York, NY, USA

Specifier Carl Pucci Architect / Architect

Product NEW/ACOUSTIC clouds using ACM15M / White Matte membranes over custom skeleton and batt insulation



Client DLA Piper / Chicago, IL, USA

Specifier Gensler / Architect

Product NEW/ACOUSTIC systems using ACL101 / White Lacquer micro-perforated membranes over fiberglass backing





Client MOMA Restaurant / New York, NY, USA

Specifier Bentel & Bentel / Architect

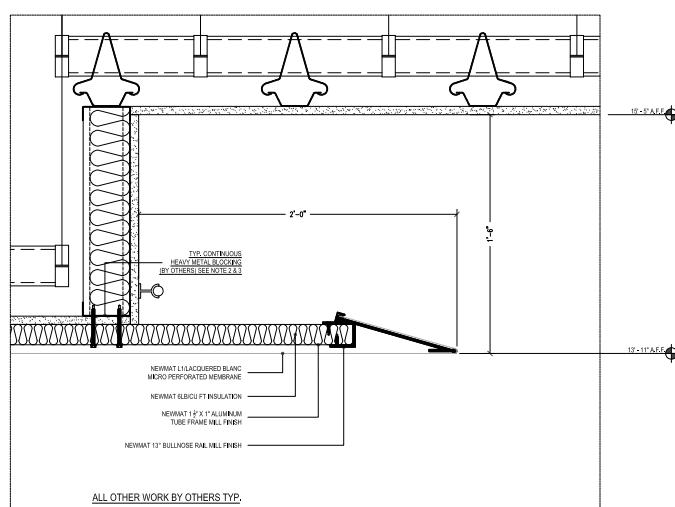
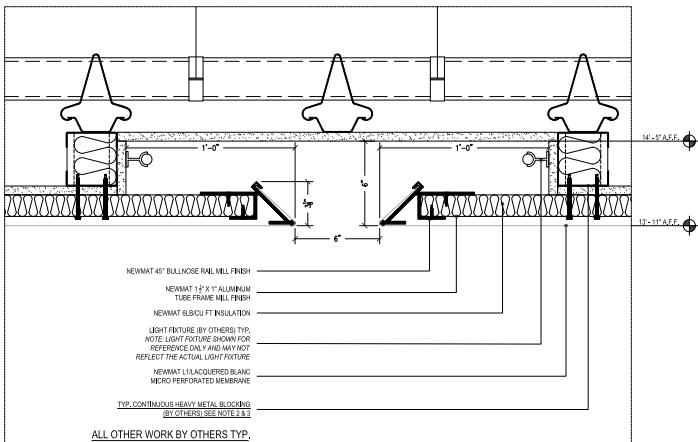
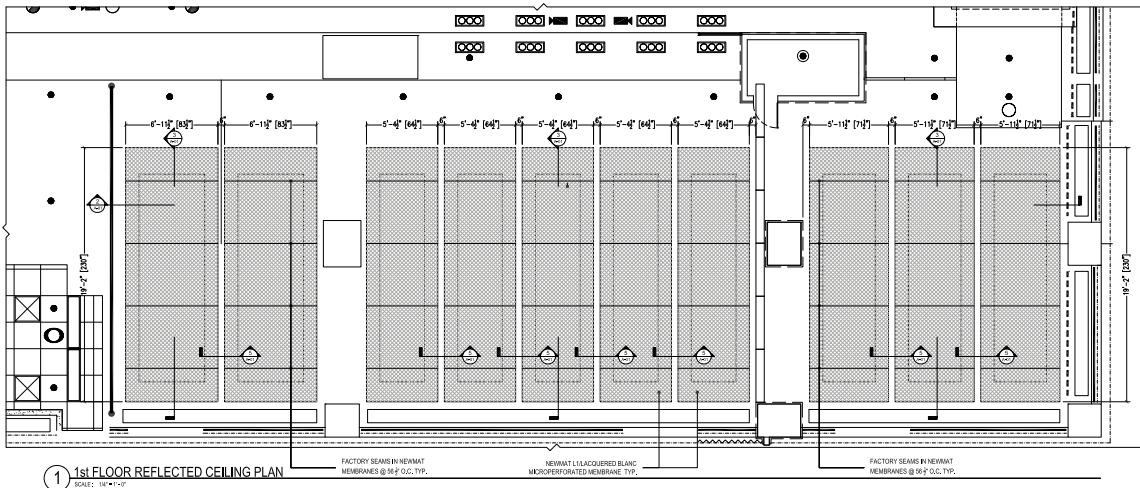
Product NEW/ACOUSTIC floating clouds using ACL101 / White Lacquer micro-perforated membranes with bullnose 45 and 13-degree perimeters and fiberglass backing





DETAILS.

Below are some of the NEW/ACOUSTIC details we have engineered for our projects. We often create and extrude new profiles to meet the design or technical needs of a specific project.



Client Alexandria Center for Life Science / New York, NY, USA

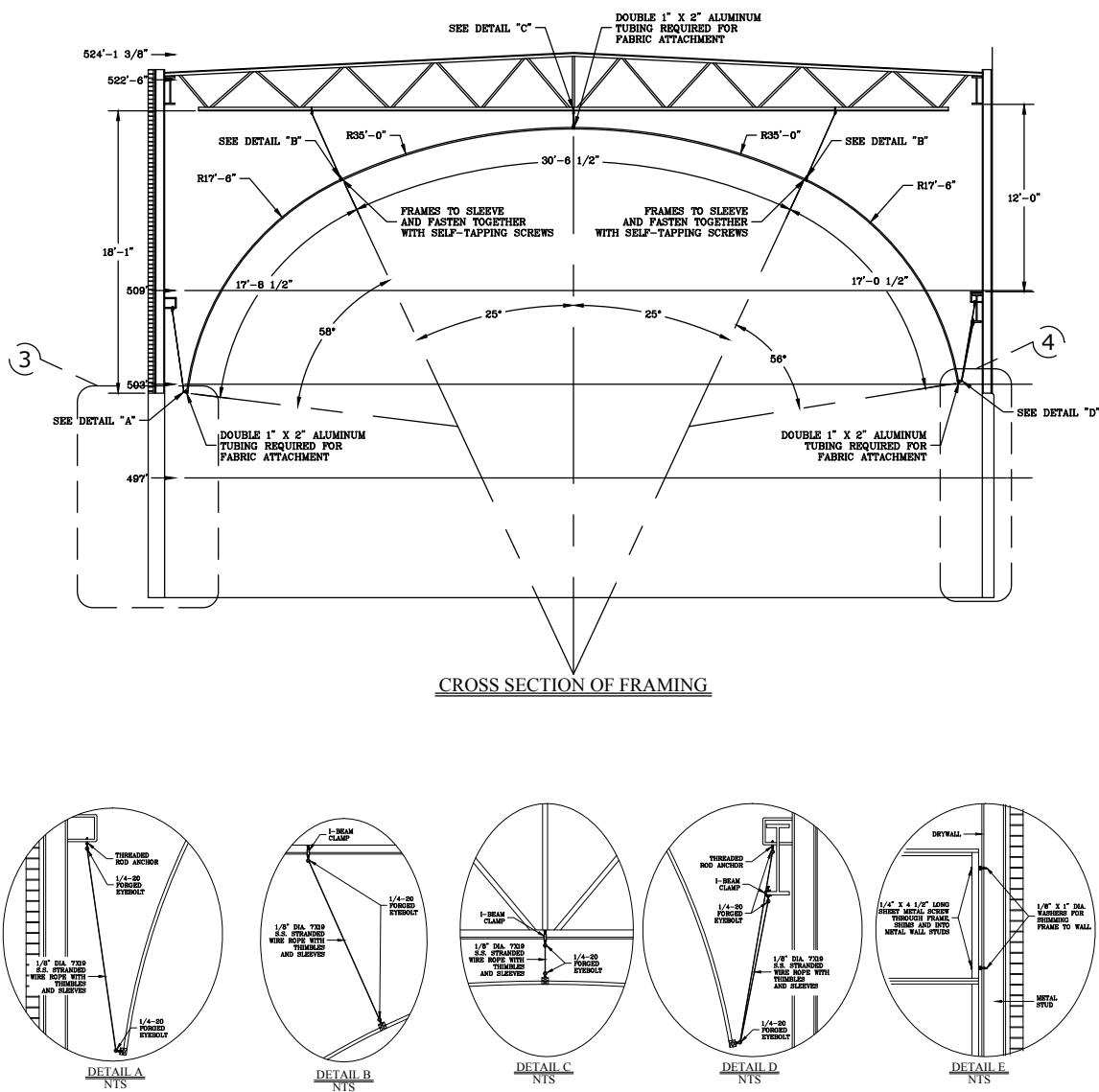
Specifier Bentel & Bentel / Architect

Product NEW/ACOUSTIC floating systems using ACS600 / White Satin and ACL1 / White Lacquer micro-perforated membranes with custom bullnose profiles and fiberglass backing



DETAILS.

Below are some of the NEW/ACOUSTIC details we have engineered for our projects. We often create and extrude new profiles to meet the design or technical needs of a specific project.



Client St. Louis Zoo / St. Louis, MO, USA

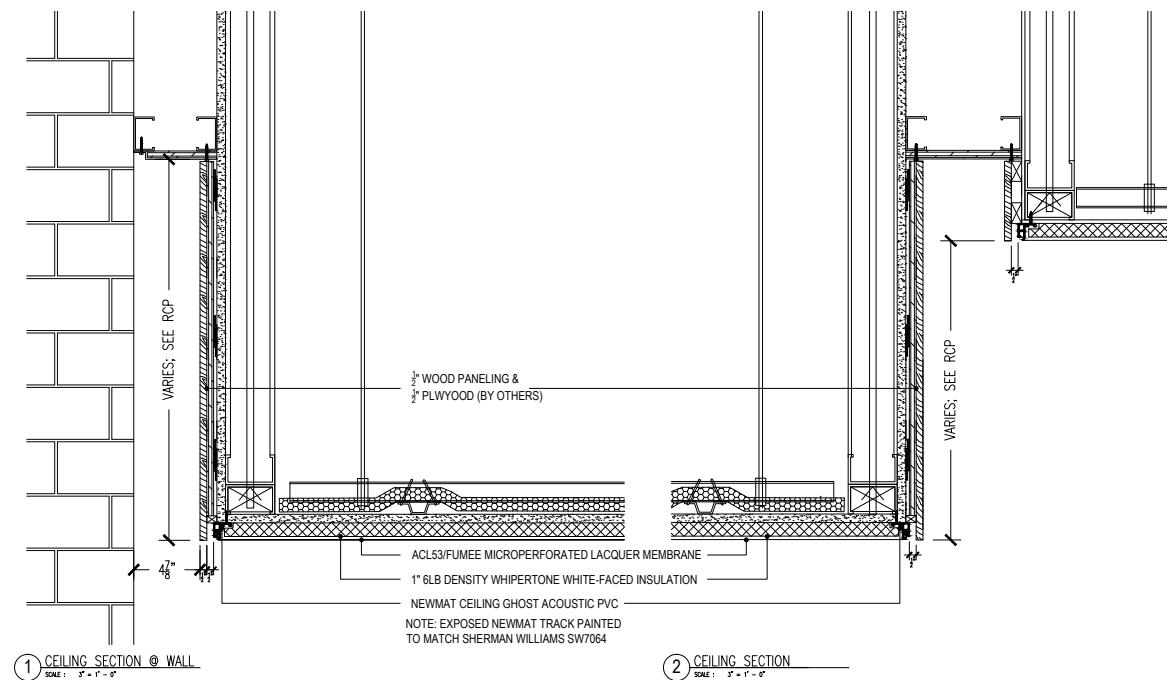
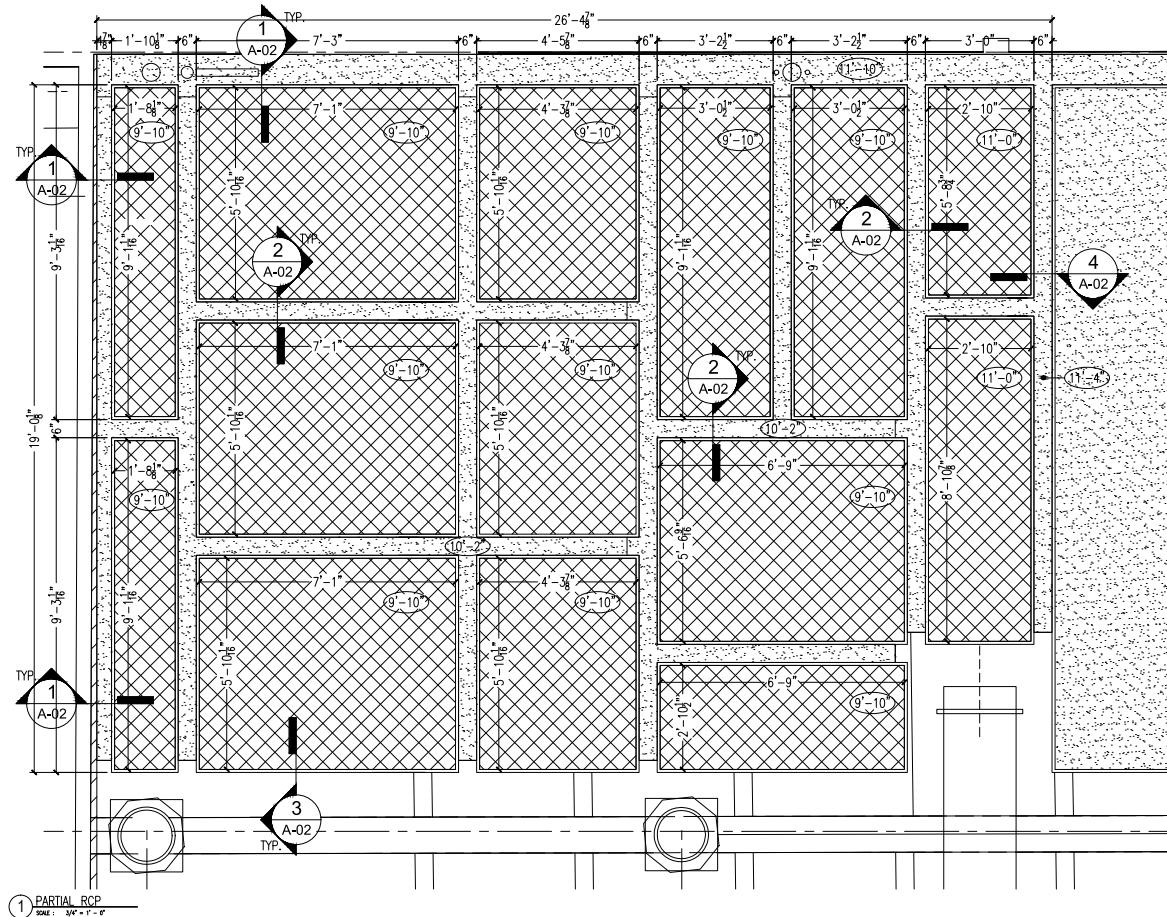
Specifier Peckham Guyton Albers & Viets / Architect

Product NEW/ACOUSTIC 3D system using ACM15 / White Matte micro-perforated membranes over fiberglass backing



DETAILS.

Below are some of the NEW/ACOUSTIC details we have engineered for our projects. We often create and extrude new profiles to meet the design or technical needs of a specific project.



Client Chefs Club / New York, NY
Specifier Rockwell Group / Architect

Product NEW/ACOUSTIC systems using ACL53 / Fumée Lacquer micro-perforated membranes over fiberglass backing



Client Natural History Museum / Mexico City, Mexico

Specifier RDT Architects/ Architect and Gantos Arquitectos / Architect and Studio Metria / Architect

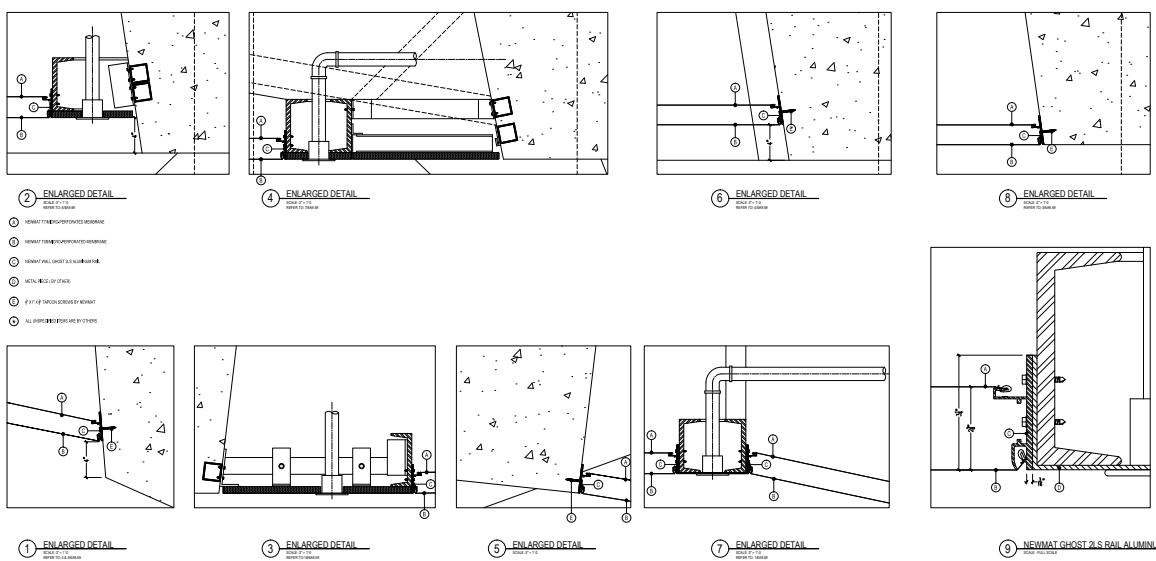
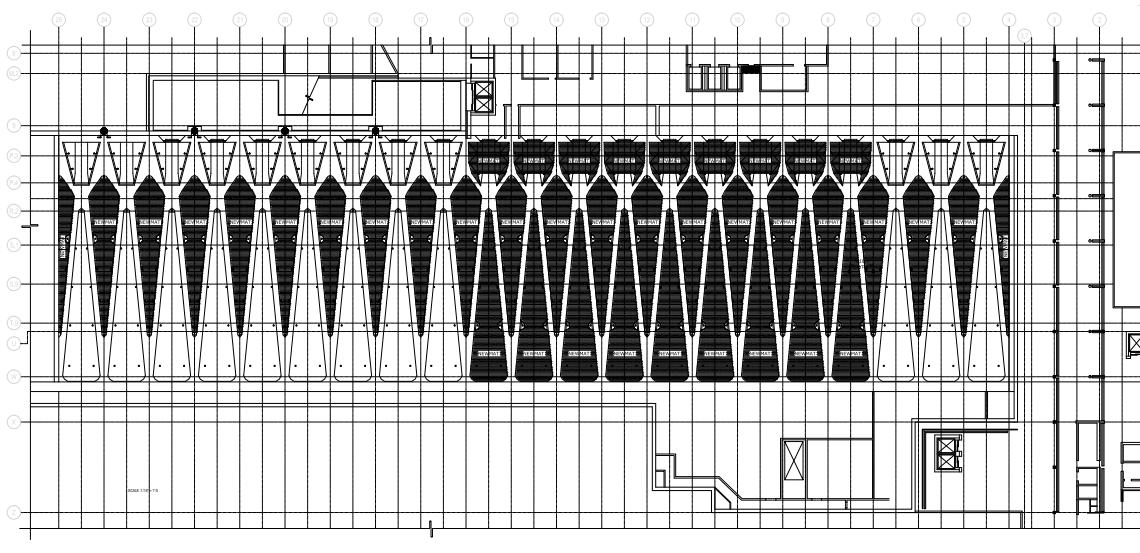
Product NEW/ACOUSTIC 3D systems using ACM17 / Lys Matte micro-perforated membranes over dome-like skeleton





DETAILS.

Below are some of the NEW/ACOUSTIC details we have engineered for our projects. We often create and extrude new profiles to meet the design or technical needs of a specific project.



Client Washington Dulles International Airport / Dulles, VA, USA

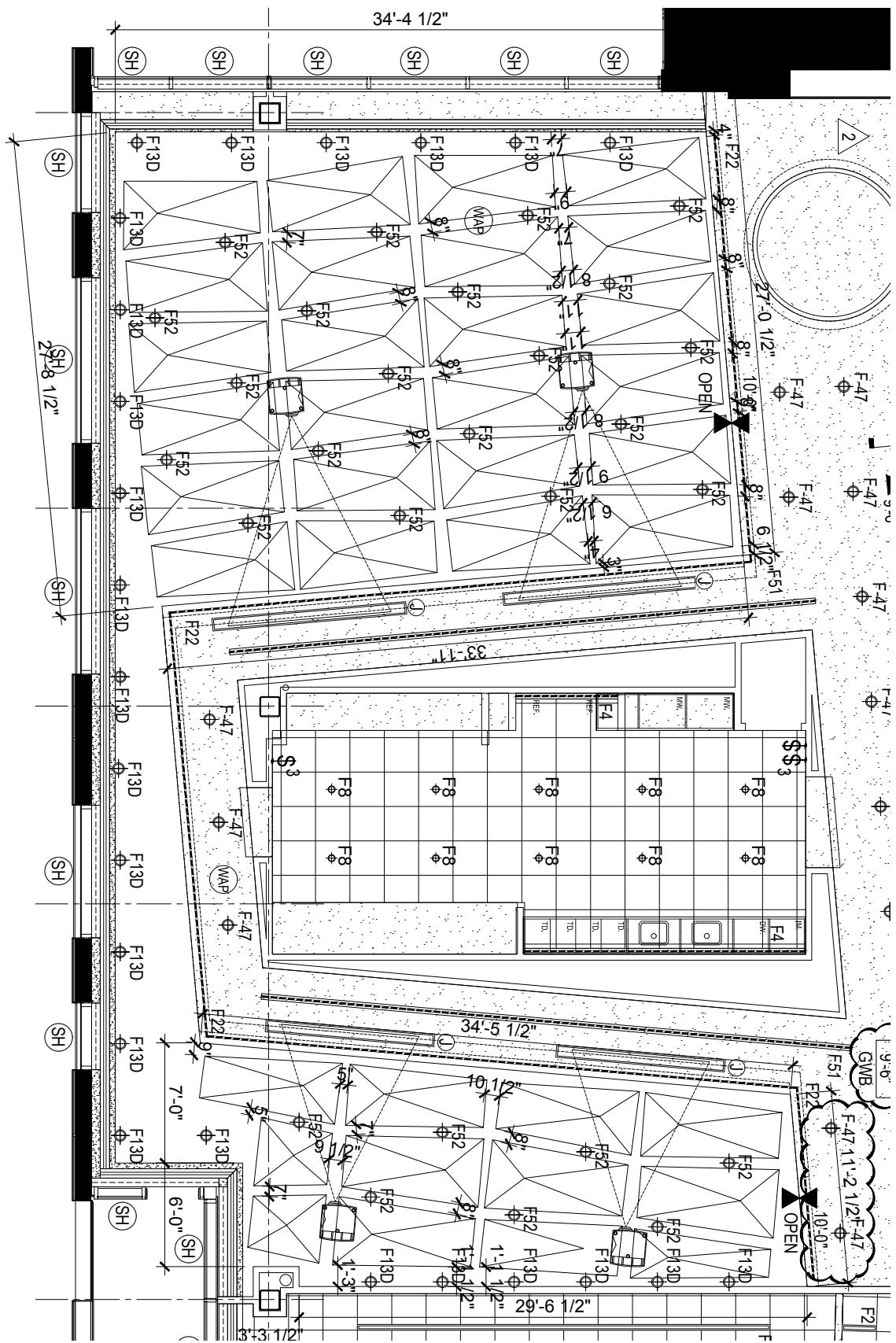
Specifier SOM / Architect

Product NEW/ACOUSTIC & NEW/LIGHT systems using ACT0B/White Translucent and ACT7/Clear micro-perforated membranes with fiberglass backing



DETAILS.

Below are some of the NEW/ACOUSTIC details we have engineered for our projects. We often create and extrude new profiles to meet the design or technical needs of a specific project.



Client IBM Cambridge / East Cambridge, MA, USA

Specifier The Switzer Group / Architect

Product NEW/ACOUSTIC & NEW/MIRODAL 3D systems using ACM15 / White Matte micro-perforated membranes over custom aluminum framing and fiberglass backing



Client Sherwood High School / Sherwood, OR, USA

Specifier LSW Architecture / Architect

Product NEW/ACOUSTIC curved systems using S601 / Blanc Douceur Satin membranes with #2 perforation over batt insulation





Client Groupe Scolaire Pasteur / Tourcoing, France

Specifier SERGA / Acoustical Consultant

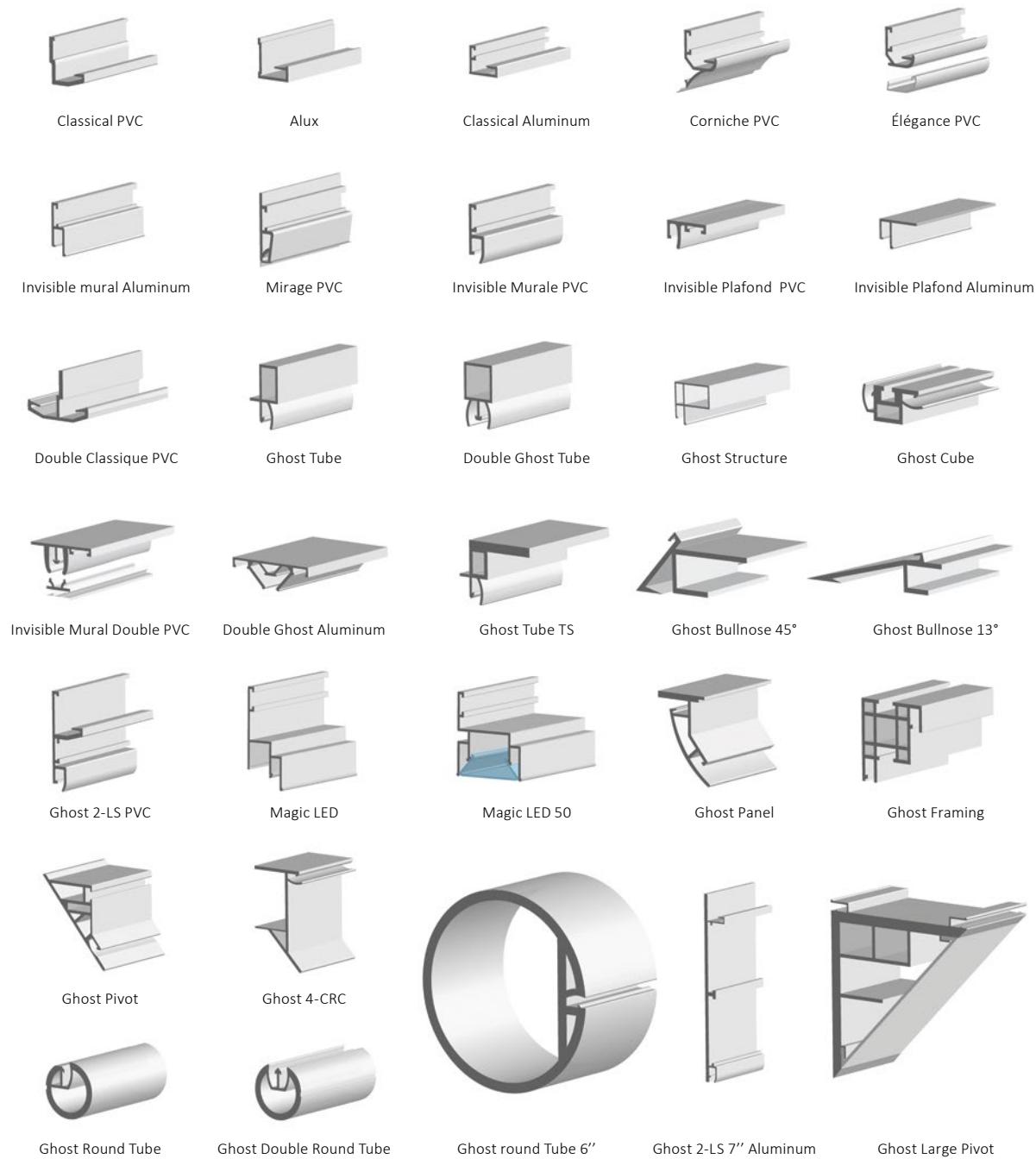
Product NEW/ACOUSTIC systems using ACM15 / white matte micro-perforated membranes and acoustical blanket backing





PROFILES.

NEWMAT offers more than 40 different profiles in either PVC or aluminum. They are chosen for a project based on their aesthetic, technical, and/or curving abilities. NEWMAT often produces custom profiles to meet the specific design requests of our clients.





MEMBRANE OPTIONS

Ac

NEWACOUSTIC

PLAFOND TENDU ACOUSTIQUE
ACOUSTICAL STRETCH CEILINGS
AKUSTISCHE SPANNDECKE
SPANPLAFOND AKOESTISCH
TECTO ESTENDIDO ACUSTICO
SOFFITTO TESO ANTI-RUMORE
TECHOS TENSADOS ACÚSTICOS
АКУСТИЧЕСКИЙ НАТЯЖНОЙ ПОТОЛОК
АКОУСТИКИХ ТЕТАМЕНН ОРОФН

LACQUER FINISH

LAQUES - LACKEFFEKT - DE GELAKTE - LOS LACADOS
I LACCATI - LACADOS - ЛАКОВЫЙ - ΤΕΛΕΙΩΜΑ ΛΑΚΑ



NL

NEWPERF

PLAFOND TENDU PERFORÉ
PERFORATED STRETCH CEILING
GELOCHTE SPANNDECKE
GEPERFOREERD SPANNPLAFOND
TECHO TENDIDO PERFORADO
RIVESTIMENTO TAPPEZZATO PERFORATO
TECTO ESTENDIDO PERFURADO
ПЕРФОРИРОВАННЫЙ ПОТОЛОК
ΤΕΝΤΟΜΕΝΟ ΔΙΑΤΡΗΤΟ ΟΡΟΦΗΣ

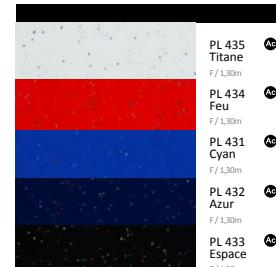
MATTE FINISH

MATS - MATTEFFEKT - DE MATTENPOLISTERE
LOS MATE - ГЛЯНЦОВЫЙ - MATE - МАТОВЫЙ
ΤΕΛΕΙΩΜΑ ΜΑΤ



SPARKLE FINISH

PAILLETÉ - GLANS - LANTEJOULA - БЛЕСТКА



MARBLE FINISH

MARBRES - MÁRMOL - MARMI
MPAMOP - MAPAMAPA



COLOR



NEWBIPRUF

ANTI-MICROBIEN ET ANTI-FONGIQUE
ANTIMICROBIAL AND ANTIFUNGAL
BAKTERIEN- UND PILZHEMMENDE
ANTIMICROBEN-EN ANTISCHIMMELMIDDELLEN
ANTIBACTERIANO Y FUNGICIDA
ANTIMICROBICO E ANTIFUNGO
ANTIMICROBIANO E ANTIFÚNGICO
АНТИМИКРОБНАЯ И АНТИБАКТЕРИАЛЬНАЯ
ANTI-MIKROBIAKON KAI ANTI-MYKHTIACON

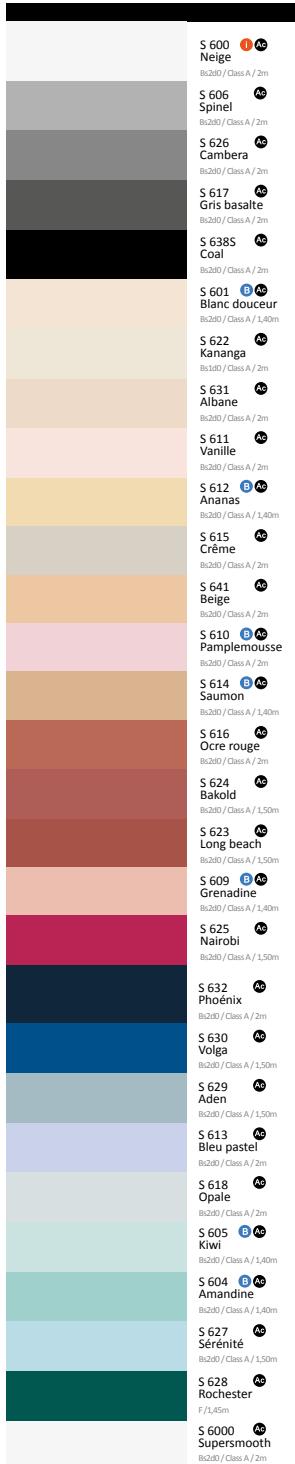


NEWGRAPHIC

PLAFOND TENDU IMPRIMÉ
PRINTED STRETCH CEILING
BEDRUCKTE SPANNDECKE
GEDRUKT SPANPLAFOND
SOFITTO TESO STAMPATO
TECHO TENSADO IMPRESA
ПЕЧАТНАЯ НАТЯЖНОЙ ПОТОЛОК
TECTO FALSO IMPRESO
ΤΥΠΩΜΕΝΟ ΤΕΤΑΜΕΝΗ ΟΡΟΦΗ

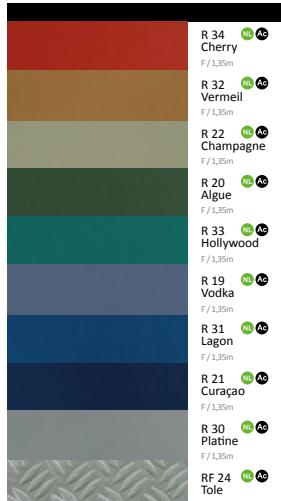
SATIN FINISH

SATINÉ - SEIDENGLANZ-EFFEKT
DE GESATINEERDE - LOS SATINADOS - I SATINATI
ACETINADAS - САТИН - ΤΕΛΕΙΩΜΑ ΣΑΤΙΝΗΣ



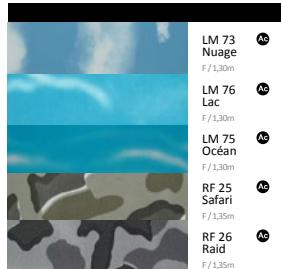
DECORS

ASPECTS - ASPEKTE - DE ASPECTEN - LOS ASPECTOS
DECORS - ASPECTOS - ВИДОВОЙ - ΔΙΑΚΟΣΜΗΤΙΚΑ



FASHION

MODE - FASHION - MODA - МОДА - МОДА



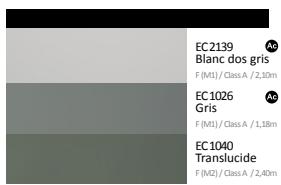
EMBOSSSED METAL

GAUFFRÉES - RELIEF METALEN AFWERKING
ACABADO DE METAL EN RELIEVE - METALLO FINITURA
GOFFRATA РЕЛЬЕФНЫЕ МЕТАЛЛИЧЕСКИЕ ОТДЕЛКА



SCREEN

ÉCRAN - BILDSCHIRM - SCHERM - SCHERMO - ПАНЕЛЛЯ - ЭКРАН



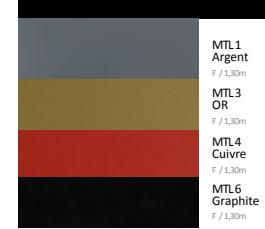
SUEDE FINISH

DAIMS - WIDLEDEREFFEKTE DE SUÈDE
LÖVLEDER-EFFEKT - DAIMS - DAIM - DAIMI
ЗАМШЕВЫЙ - ΤΕΛΕΙΩΜΑ ΖΩΕΤ

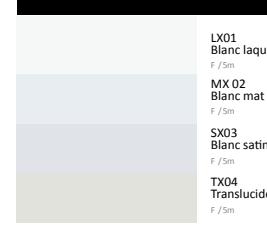


METAL

METAL - METAAL - METALLO - ΜΕΤΑΛΛΟ - МЕТАЛЛ

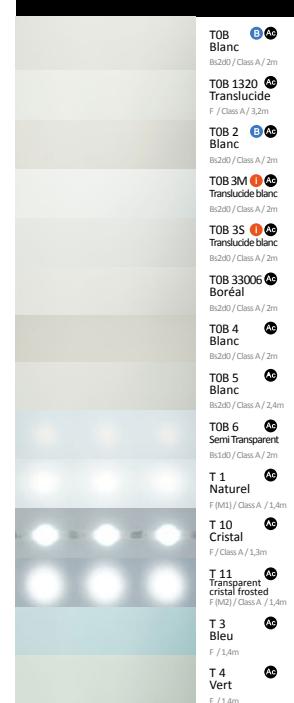


XTRA



TRANSLUCENT

TRANSLUCIDES - LICHTDURCHLÄSSIG - TRANSLÚCIDO
ДОПУСКАЮЩИЙ ПАСПРОЧЕСТВО - TRANSLUCIDO
ПОЛУПРОЗРАЧНЫЙ - ΗΜΙΔΙΑΦΑΝΗΣ



PATINA FINISH

PATINÉS - PATINIERT - ГЕПАТИНЕРД -
PATINADO ПАТИНОЙ - МЕ ПАТИНА



Client Conseil Général de Loire Atlantique

Specifier Atelier Brenac & Gonzalez / Architect and Berranger & Vincent Architects / Architect

Product NEW/ACOUSTIC 3D ceilings and walls using ACL101 / White Lacquer micro-perforated membranes over aluminum skeleton











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