

SECTION 079513.13 - INTERIOR EXPANSION JOINT COVER ASSEMBLIES

GENERAL

SUMMARY

Provide the work of this Section in accordance with requirements of the Contract Documents.

This Section includes but is not limited to

Interior expansion joint cover assemblies.

ACTION SUBMITTALS

Product Data: For each type of product.

Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for expansion joint cover assemblies.

Shop Drawings: For each expansion joint cover assembly.

Include plans, elevations, sections, details, splices, block-out requirement, attachments to other work, and line diagrams showing entire route of each expansion joint.

Where expansion joint cover assemblies change planes, provide isometric or clearly detailed drawing depicting how components interconnect.

Samples: For each expansion joint cover assembly and for each color and texture specified, full width by 6 inches (150 mm) long in size.

Samples for Initial Selection: For each type of exposed finish.

Include manufacturer's color charts showing the full range of colors and finishes available for each exposed metal and elastomeric-seal material.

Samples for Verification: For each type of expansion joint cover assembly, full width by 6 inches (150 mm) long in size.

Expansion Joint Cover Assembly Schedule: Prepared by or under the supervision of the supplier. Include the following information in tabular form:

Manufacturer and model number for each expansion joint cover assembly.

Expansion joint cover assembly location cross-referenced to Drawings.

Nominal, minimum, and maximum joint width.

Movement direction.

Materials, colors, and finishes.

Product options.

Fire-resistance ratings.

INFORMATIONAL SUBMITTALS

Product Test Reports: For each fire-resistance-rated expansion joint cover assembly, for tests performed by [manufacturer and witnessed by a qualified testing agency] [a qualified testing agency].

QUALITY ASSURANCE

Mockups: Build mockups to demonstrate aesthetic effects and to set quality standards for materials and execution.

Build mockup of typical expansion joint cover assembly as shown on Drawings.
Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

PRODUCTS

ASSEMBLY DESCRIPTION

Furnish units in longest practicable lengths to minimize field splicing.

Include factory-fabricated closure materials and transition pieces, T-joints, corners, curbs, cross-connections, and other accessories as required to provide continuous expansion joint cover assemblies.

PERFORMANCE REQUIREMENTS

Seismic Performance: Expansion joint cover assemblies to withstand the effects of earthquake motions determined according to [ASCE/SEI 7] <Insert requirement>.

Fire-Resistance Ratings: Provide expansion joint cover assemblies with fire barriers identical to those of systems tested for fire resistance according to [UL 2079] [or] [ASTM E1966] by a qualified testing agency.

Hose Stream Test: Wall-to-wall and wall-to-ceiling assemblies to be subjected to hose stream testing.

Expansion Joint Design Criteria <Insert drawing designation>:

Type of Movement: [Thermal] [Wind sway].

Nominal Joint Width: [As indicated on Drawings] <Insert width>.

Minimum Joint Width: [As indicated on Drawings] <Insert width>.

Maximum Joint Width: [As indicated on Drawings] <Insert width>.

Seismic Movement:

Joint Movement: As indicated on Drawings.

FLOOR EXPANSION JOINT COVERS

Metal-Plate Floor Joint Cover <Insert drawing designation>: Metal cover plate fixed on one side of joint gap and free to slide on other.

Products: Subject to compliance with requirements, provide one of the following:

Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC; <Insert product designation>.

Balco; a CSW Industrials Company; [1120 & 1420 (Gymnasium Series, Recessed)][BCP (Surface Plate, Carpet)][BHS (Surface Plate, Hinge)][G (Gymnasium Series, Surface Mount)][RPA (Surface Serrated Plate)].

Construction Specialties, Inc.; <Insert product designation>.

71 [MM Systems Corporation](#); <Insert product designation>.
 72 [Nystrom, Inc.](#); [Single Wing Hinged Flooring Infill System (FA)][Wing Flooring Infill System
 73 (SA/DA)].
 74 [Watson Bowman Acme Corp.](#); <Insert product designation>.
 75 [inpro Corporation](#); [700 Series Heavy Duty Floor Expansion Joint Covers][800 Series Floor
 76 Expansion Joint Covers].
 77 Application: [Floor to floor] [Floor to wall].
 78 Installation: Surface mounted.
 79 Load Capacity:
 80 Uniform Load: [50 lb/sq. ft. (244 kg/sq. m)] <Insert load>.
 81 Concentrated Load: [300 lb (136 kg)] <Insert load>.
 82 Maximum Deflection: [0.0625 inch (1.6 mm)] <Insert deflection>.
 83 Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour]
 84 [2 hours] <Insert rating>.
 85 Cover-Plate Design: [Plain] [Serrated] [Abrasive covered].
 86 Exposed Metal:
 87 Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color
 88 anodic, Class II] [Manufacturer's standard] <Insert finish>.
 89 Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect
 90 from full range of industry colors and color densities] <Insert color>.
 91 Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.
 92 Bronze: [Mill] [Manufacturer's standard] <Insert finish>.
 93 Brass: [Mill] [Manufacturer's standard] <Insert finish>.
 94 Center-Plate Floor Joint Cover <Insert drawing designation>: Assembly consisting of center plate that slides
 95 over metal frames fixed to sides of joint gaps.
 96 [Products](#): Subject to compliance with requirements, provide one of the following:
 97 [Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC](#); <Insert
 98 product designation>.
 99 [Balco; a CSW Industrials Company](#); [EXBF (Centering Surface Plate)][EXF (Centering Surface
 100 Plate, Tile)][HDNB (Heavy Duty No Bump)][NBAF (No Bump, Plate)].
 101 [Construction Specialties, Inc.](#); <Insert product designation>.
 102 [MM Systems Corporation](#); <Insert product designation>.
 103 [Nystrom, Inc.](#); [Architectural Aluminum Perimeter System (SW)][Stainless Steel Architectural
 104 System (SFX/w)].
 105 [Watson Bowman Acme Corp.](#); <Insert product designation>.
 106 [inpro Corporation](#); 400 Series Floor Expansion Joint Covers.
 107 Application: [Floor to floor] [Floor to wall].
 108 Installation: [Surface mounted] [Recessed] [No bump].
 109 Load Capacity:
 110 Uniform Load: [50 lb/sq. ft. (244 kg/sq. m)] <Insert load>.
 111 Concentrated Load: [300 lb (136 kg)] <Insert load>.
 112 Maximum Deflection: [0.0625 inch (1.6 mm)] <Insert deflection>.
 113 Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour]
 114 [2 hours] <Insert rating>.
 115 Cover-Plate Design: [Plain] [Serrated] [Abrasive covered].
 116 Exposed Metal:

Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color anodic, Class II] [Manufacturer's standard] <Insert finish>.

Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect from full range of industry colors and color densities] <Insert color>.

Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.

Bronze: [Mill] [Manufacturer's standard] <Insert finish>.

Brass: [Mill] [Manufacturer's standard] <Insert finish>.

Glide-Plate Floor Joint Cover <Insert drawing designation>: Assembly consisting of center plate that slides in and out of slots in metal frames fixed to sides of joint gap.

Products: Subject to compliance with requirements, provide one of the following:

Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC; <Insert product designation>.

Balco; a CSW Industrials Company; [6FA (Self-centering Glide Plate Series, Abrasive)][6FC (Self-centering Glide Plate Series, Carpet, Recessed)][6FP (Self-centering Glide Plate Series, Smooth, Recessed)][6FS (Self-centering Glide Plate Series, Grooved, Recessed)][6FTP (Self-centering Glide Plate Series, Tile, Recessed)][XH4FS (Heavy Duty Glide Plate)].

Construction Specialties, Inc.; <Insert product designation>.

MM Systems Corporation; <Insert product designation>.

Nystrom, Inc.; [Seismic Glide Flooring Infill System (NBR/w)][Seismic Glide No Bump System (NBF/w)][Seismic Slide System (FLC/w)].

Watson Bowman Acme Corp.; <Insert product designation>.

inpro Corporation; 300 Series Glide Plate Floor Expansion Joint Covers.

Application: [Floor to floor] [Floor to wall].

Installation: Recessed.

Load Capacity:

Uniform Load: **50 lb/sq. ft. (244 kg/sq. m)** <Insert load>.

Concentrated Load: **300 lb (136 kg)** <Insert load>.

Maximum Deflection: **0.0625 inch (1.6 mm)** <Insert deflection>.

Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour] [2 hours] <Insert rating>.

Exposed Metal:

Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color anodic, Class II] [Manufacturer's standard] <Insert finish>.

Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect from full range of industry colors and color densities] <Insert color>.

Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.

Bronze: [Mill] [Manufacturer's standard] <Insert finish>.

Brass: [Mill] [Manufacturer's standard] <Insert finish>.

Hidden-Sightline Floor Joint Cover <Insert drawing designation>: Sliding leaf-spring and metal frame assembly designed to accept field-applied finish materials on visible surfaces for minimum frame exposure.

Products: Subject to compliance with requirements, provide one of the following:

Balco; a CSW Industrials Company; NBR (No Bump, Tile Recessed).

Construction Specialties, Inc.; <Insert product designation>.

MM Systems Corporation; <Insert product designation>.

Nystrom, Inc.; Double Wing Flooring Infill System.

Watson Bowman Acme Corp.; <Insert product designation>.

inpro Corporation; 500 Series Narrow Sightline, Pan Floor Expansion Joint Covers.

Application: [Floor to floor] [Floor to wall].

Installation: Recessed.

Load Capacity:

Uniform Load: [50 lb/sq. ft. (244 kg/sq. m)] <Insert load>.

Concentrated Load: [300 lb (136 kg)] <Insert load>.

Maximum Deflection: [0.0625 inch (1.6 mm)] <Insert deflection>.

Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour]
[2 hours] <Insert rating>.

Seismic-Pan Floor Joint Cover <Insert drawing designation>: Seismic pan assembly with sloped sides allowing extension of unit above floor plane during joint contraction, and equipped with springs to return unit back into alignment during joint expansion. Provide manufacturer's recommended sealant at pan edge.

Products: Subject to compliance with requirements, provide one of the following:

Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC; <Insert product designation>.

Balco; a CSW Industrials Company; PJC (Pan System).

Construction Specialties, Inc.; <Insert product designation>.

Nystrom, Inc.; Seismic Pan System (FLP/w).

Watson Bowman Acme Corp.; <Insert product designation>.

inpro Corporation; <Insert product designation>.

Application: [Floor to floor] [Floor to wall].

Installation: Recessed.

Load Capacity:

Uniform Load: [50 lb/sq. ft. (244 kg/sq. m)] <Insert load>.

Concentrated Load: [300 lb (136 kg)] <Insert load>.

Maximum Deflection: [0.0625 inch (1.6 mm)] <Insert deflection>.

Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour]
[2 hours] <Insert rating>.

Pan Recess Depth: [As required to accommodate adjacent flooring] [1 inch (25 mm)] [1-1/2 inch (38 mm)] <Insert depth>.

Elastomeric-Seal Floor Joint Cover <Insert drawing designation>: Assembly consisting of elastomeric seal anchored to frames fixed to sides of joint gap.

Products: Subject to compliance with requirements, provide one of the following:

Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC; <Insert product designation>.

Balco; a CSW Industrials Company; [75FCE (Elastomeric Seal Series, Carpet, Surface Mount)][75FP (Elastomeric Seal Series, Recessed Mount)][75FPE (Elastomeric Seal Series, Smooth, Surface Mount)][75FTE (Elastomeric Seal Series, Tile, Surface Mount)].

Construction Specialties, Inc.; <Insert product designation>.

EMSEAL Joint Systems, Ltd.; <Insert product designation>.

MM Systems Corporation; <Insert product designation>.

Nystrom, Inc.; Elastomeric System (LC/w).

Watson Bowman Acme Corp.; <Insert product designation>.

inpro Corporation; 100 Series Single Seal Floor Expansion Joint Covers.

Application: [Floor to floor] [Floor to wall].

Installation: [Surface mounted] [Recessed].

Load Capacity:

210 Uniform Load: [50 lb/sq. ft. (244 kg/sq. m)] <Insert load>.
 211 Concentrated Load: [300 lb (136 kg)] <Insert load>.
 212 Maximum Deflection: [0.0625 inch (1.6 mm)] <Insert deflection>.

213 Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour]
 214 [2 hours] <Insert rating>.
 215 Exposed Metal:

216 Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color
 217 anodic, Class II] [Manufacturer's standard] <Insert finish>.

218 Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect
 219 from full range of industry colors and color densities] <Insert color>.

220 Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.
 221 Bronze: [Mill] [Manufacturer's standard] <Insert finish>.
 222 Brass: [Mill] [Manufacturer's standard] <Insert finish>.

223 Seal: Preformed elastomeric membrane or extrusion.

224 Color: [Black] [Gray] [As selected by Architect from manufacturer's full range] <Insert color>.

225 Dual-Elastomeric-Seal Floor Joint Cover: Assembly consisting of dual-elastomeric seals and center plate
 226 anchored to frames fixed to sides of joint gap.

227 Products: Subject to compliance with requirements, provide one of the following:

228 Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC; <Insert
 229 product designation>.

230 Balco; a CSW Industrials Company; [95GFPB (Dual Elastomeric Seal Series,
 231 Smooth)][95GFTB (Dual Elastomeric Seal Series, Tile)].

232 Construction Specialties, Inc.; <Insert product designation>.

233 MM Systems Corporation; <Insert product designation>.

234 Nystrom, Inc.; [Elastomeric Twin Seal System (TMM/w)][Seismic Elastomeric Twin Seal
 235 System (SFNB/w)].

236 Watson Bowman Acme Corp.; <Insert product designation>.

237 inpro Corporation; 200 Series Dual Seal Floor Expansion Joint Covers.

238 Application: [Floor to floor] [Floor to wall].

239 Installation: Recessed.

240 Load Capacity:

241 Uniform Load: [50 lb/sq. ft. (244 kg/sq. m)] <Insert load>.
 242 Concentrated Load: [300 lb (136 kg)] <Insert load>.
 243 Maximum Deflection: [0.0625 inch (1.6 mm)] <Insert deflection>.

244 Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour]
 245 [2 hours] <Insert rating>.

246 Center-Plate Design: [Plain] [Serrated] [Recessed to accept field-applied finish materials].

247 Center-Plate Recess Depth: [As required to accommodate adjacent flooring] [1/8 inch (3 mm)]
 248 [3/8 inch (10 mm)] <Insert depth>.

249 Exposed Metal:

250 Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color
 251 anodic, Class II] [Manufacturer's standard] <Insert finish>.

252 Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect
 253 from full range of industry colors and color densities] <Insert color>.

254 Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.

255 Bronze: [Mill] [Manufacturer's standard] <Insert finish>.
256 Brass: [Mill] [Manufacturer's standard] <Insert finish>.
257 Seal: Preformed elastomeric membranes or extrusions.
258 Color: [Black] [Gray] [As selected by Architect from manufacturer's full range] <Insert color>.

259 WALL EXPANSION JOINT COVERS

260 Metal-Plate Wall Joint Cover <Insert drawing designation>: Metal cover plate fixed on one side of joint gap
261 and free to slide on other.

262 **Products:** Subject to compliance with requirements, provide one of the following:

263 [Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC](#); <Insert
264 product designation>.
265 [Balco; a CSW Industrials Company](#); WD (Snap-on Surface Plate).
266 [Construction Specialties, Inc.](#); <Insert product designation>.
267 [MM Systems Corporation](#); <Insert product designation>.
268 [Nystrom, Inc.](#); Aluminum Wall & Ceiling System (WJ/w).
269 [Watson Bowman Acme Corp.](#); <Insert product designation>.
270 [inpro Corporation](#); 801 Wall.

271 Application: [Wall to wall] [Wall to corner].
272 Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour]
273 [2 hours] <Insert rating>.
274 Exposed Metal:

275 Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color
276 anodic, Class II] [Manufacturer's standard] <Insert finish>.
277 Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect
278 from full range of industry colors and color densities] <Insert color>.
279 Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.
280 Bronze: [Mill] [Manufacturer's standard] <Insert finish>.
281 Brass: [Mill] [Manufacturer's standard] <Insert finish>.

282 Center-Plate Wall Joint Cover <Insert drawing designation>: Assembly consisting of center plate that slides
283 over gaskets in metal frames fixed to sides of joint gaps.

284 [<Double click here to find, evaluate, and insert list of manufacturers and products>](#)

285 Application: [Wall to wall] [Wall to corner].
286 Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour]
287 [2 hours] <Insert rating>.
288 Exposed Metal:

289 Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color
290 anodic, Class II] [Manufacturer's standard] <Insert finish>.
291 Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect
292 from full range of industry colors and color densities] <Insert color>.
293 Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.
294 Bronze: [Mill] [Manufacturer's standard] <Insert finish>.
295 Brass: [Mill] [Manufacturer's standard] <Insert finish>.

296 Glide-Plate Wall Joint Cover <Insert drawing designation>: Assembly consisting of center plate that slides in
297 and out of slots in metal frames fixed to sides of joint gap.

Products: Subject to compliance with requirements, provide one of the following:

Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC; <Insert product designation>.
Balco; a CSW Industrials Company; [6GW (Self-centering Glide Plate Series, Recessed)][6TW (Self-centering Glide Plate Series, Surface Mount)].
Construction Specialties, Inc.; <Insert product designation>.
MM Systems Corporation; <Insert product designation>.
Nystrom, Inc.; [Seismic Glide System (NBW/w)][Seismic Glide Wall XL System (WCS/w)].
Watson Bowman Acme Corp.; <Insert product designation>.
inpro Corporation; 811 Series.

Application: [Wall to wall] [Wall to corner].

Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour] [2 hours] <Insert rating>.

Exposed Metal:

Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color anodic, Class II] [Manufacturer's standard] <Insert finish>.

Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect from full range of industry colors and color densities] <Insert color>.

Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.

Bronze: [Mill] [Manufacturer's standard] <Insert finish>.

Brass: [Mill] [Manufacturer's standard] <Insert finish>.

Elastomeric-Seal Wall Joint Cover <Insert drawing designation>: Assembly consisting of elastomeric seal anchored to frames fixed to sides of joint gap.

Products: Subject to compliance with requirements, provide one of the following:

Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC; <Insert product designation>.
Balco; a CSW Industrials Company; [75FWG (Elastomeric Seal Series, Drywall)][75FWP (Elastomeric Seal Series, Plaster)][75FWPE (Elastomeric Seal Series, Surface Mount)][GCVS (Face Seal, Drywall, Surface Mount, 100)][GCWW (Face Seal, Drywall, Surface Mount, 50)][IS (Silicone Face Seal, Drywall, Flush)][TCVS (Face Seal, Drywall, Flush, 100)][TCWW (Face Seal, Drywall, Flush, 50)].
Construction Specialties, Inc.; <Insert product designation>.
MM Systems Corporation; <Insert product designation>.
Nystrom, Inc.; [Elastomeric Corridor System (LC)][Seismic Elastomeric Corridor System (LCH)].
Watson Bowman Acme Corp.; <Insert product designation>.
inpro Corporation; 821 Series.

Application: [Wall to wall] [Wall to corner].

Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour] [2 hours] <Insert rating>.

Exposed Metal:

Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color anodic, Class II] [Manufacturer's standard] <Insert finish>.

Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect from full range of industry colors and color densities] <Insert color>.

Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.

Bronze: [Mill] [Manufacturer's standard] <Insert finish>.

Brass: [Mill] [Manufacturer's standard] <Insert finish>.

Seal: Preformed elastomeric membranes or extrusions.

Color: [Black] [Gray] [As selected by Architect from manufacturer's full range] <Insert color>.

Dual-Elastomeric-Seal Wall Joint Cover: Assembly consisting of dual-elastomeric seals and center plate anchored to frames fixed to sides of joint gap.

Products: Subject to compliance with requirements, provide one of the following:

Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC; <Insert product designation>.

Balco; a CSW Industrials Company; 95GW (Dual Elastomeric Seal Series, Drywall).

Construction Specialties, Inc.; <Insert product designation>.

MM Systems Corporation; <Insert product designation>.

Nystrom, Inc.; Seismic Elastomeric Twin Seal System (SWNB/w).

Watson Bowman Acme Corp.; <Insert product designation>.

inpro Corporation; 221 Series.

Application: [Wall to wall] [Wall to corner].

Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour] [2 hours] <Insert rating>.

Center-Plate Design: [Plain] [Recessed to accept gypsum board] [Recessed to accept wall tile].

Exposed Metal:

Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color anodic, Class II] [Manufacturer's standard] <Insert finish>.

Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect from full range of industry colors and color densities] <Insert color>.

Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.

Bronze: [Mill] [Manufacturer's standard] <Insert finish>.

Brass: [Mill] [Manufacturer's standard] <Insert finish>.

Seal: Preformed elastomeric membranes or extrusions.

Color: [Black] [Gray] [As selected by Architect from manufacturer's full range] <Insert color>.

CEILING EXPANSION JOINT COVERS

Metal-Plate Ceiling Joint Cover <Insert drawing designation>: Metal cover plate fixed on one side of joint gap and free to slide on other.

Products: Subject to compliance with requirements, provide one of the following:

Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC; <Insert product designation>.

Balco; a CSW Industrials Company; CM – Low Profile Surface Mount.

Construction Specialties, Inc.; <Insert product designation>.

MM Systems Corporation; <Insert product designation>.

Nystrom, Inc.; Aluminum Wall and Ceiling System.

inpro Corporation; 801 Wall + Ceiling.

Application: [Ceiling to ceiling] [Wall to ceiling].

Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour] [2 hours] <Insert rating>.

Exposed Metal:

Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color anodic, Class II] [Manufacturer's standard] <Insert finish>.

390 Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect
391 from full range of industry colors and color densities] <Insert color>.

392 Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.

393 Bronze: [Mill] [Manufacturer's standard] <Insert finish>.

394 Brass: [Mill] [Manufacturer's standard] <Insert finish>.

395 Center-Plate Ceiling Joint Cover <Insert drawing designation>: Assembly consisting of center plate that slides
396 over gasket in metal frames fixed to sides of joint gaps.

397 Products: Subject to compliance with requirements, provide one of the following:

398 Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC; <Insert
399 product designation>.

400 Balco; a CSW Industrials Company; 6GW – Recessed.

401 Construction Specialties, Inc.; <Insert product designation>.

402 Nystrom, Inc.; Elastomeric Acoustical Ceiling System.

403 Watson Bowman Acme Corp.; <Insert product designation>.

404 inpro Corporation; 116 Ceiling Series.

405 Application: [Ceiling to ceiling] [Wall to ceiling].

406 Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour]
407 [2 hours] <Insert rating>.

408 Exposed Metal:

409 Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color
410 anodic, Class II] [Manufacturer's standard] <Insert finish>.

411 Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect
412 from full range of industry colors and color densities] <Insert color>.

413 Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.

414 Bronze: [Mill] [Manufacturer's standard] <Insert finish>.

415 Brass: [Mill] [Manufacturer's standard] <Insert finish>.

416 Glide-Plate Ceiling Joint Cover <Insert drawing designation>: Assembly consisting of center plate that slides
417 in and out of slots in metal frames fixed to sides of joint gap.

418 Products: Subject to compliance with requirements, provide one of the following:

419 Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC; <Insert
420 product designation>.

421 Balco; a CSW Industrials Company; 6TW – Surface Mount.

422 Construction Specialties, Inc.; <Insert product designation>.

423 MM Systems Corporation; <Insert product designation>.

424 Nystrom, Inc.; Aluminum Wall and Ceiling System.

425 Watson Bowman Acme Corp.; <Insert product designation>.

426 inpro Corporation; 811 Series.

427 Application: [Ceiling to ceiling] [Wall to ceiling].

428 Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour]
429 [2 hours] <Insert rating>.

430 Exposed Metal:

431 Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color
432 anodic, Class II] [Manufacturer's standard] <Insert finish>.

433 Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect
434 from full range of industry colors and color densities] <Insert color>.

435 Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.

436 Bronze: [Mill] [Manufacturer's standard] <Insert finish>.
 437 Brass: [Mill] [Manufacturer's standard] <Insert finish>.

438 Elastomeric-Seal Ceiling Joint Cover **<Insert drawing designation>**: Assembly consisting of elastomeric seal
 439 anchored to frames fixed to sides of joint gap.

440 **Products:** Subject to compliance with requirements, provide one of the following:

441 Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC; **<Insert**
 442 **product designation>**.
 443 Balco; a CSW Industrials Company; 75FCA (Elastomeric Seal Series, Acoustical Ceiling).
 444 Construction Specialties, Inc.; **<Insert product designation>**.
 445 MM Systems Corporation; **<Insert product designation>**.
 446 Nystrom, Inc.; Elastomeric Corridor System.
 447 Watson Bowman Acme Corp.; **<Insert product designation>**.
 448 inpro Corporation; 101 Recessed.

449 Application: [Ceiling to ceiling] [Wall to ceiling].
 450 Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour]
 451 [2 hours] <Insert rating>.

452 Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color
 453 anodic, Class II] [Manufacturer's standard] <Insert finish>.

454 Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect
 455 from full range of industry colors and color densities] <Insert color>.

456 Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.
 457 Bronze: [Mill] [Manufacturer's standard] <Insert finish>.
 458 Brass: [Mill] [Manufacturer's standard] <Insert finish>.

459 Seal: Preformed elastomeric membranes or extrusions.

460 Color: [Black] [Gray] [As selected by Architect from manufacturer's full range] <Insert color>.

461 Dual-Elastomeric-Seal Ceiling Joint Cover: Assembly consisting of dual-elastomeric seals and center plate
 462 anchored to frames fixed to sides of joint gap.

463 **Products:** Subject to compliance with requirements, provide one of the following:

464 Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC; **<Insert**
 465 **product designation>**.
 466 Balco; a CSW Industrials Company; 95GW – Drywall.
 467 Construction Specialties, Inc.; **<Insert product designation>**.
 468 MM Systems Corporation; **<Insert product designation>**.
 469 inpro Corporation; 115 Series.

470 Application: [Wall to wall] [Wall to corner].
 471 Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour]
 472 [2 hours] <Insert rating>.
 473 Center-Plate Design: [Plain] [Recessed to accept gypsum board] [Recessed to accept wall tile].
 474 Exposed Metal:

475 Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color
 476 anodic, Class II] [Manufacturer's standard] <Insert finish>.

477 Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect
 478 from full range of industry colors and color densities] <Insert color>.

479 Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.
 480 Bronze: [Mill] [Manufacturer's standard] <Insert finish>.
 481 Brass: [Mill] [Manufacturer's standard] <Insert finish>.

Seal: Preformed elastomeric membranes or extrusions.

Color: [Black] [Gray] [As selected by Architect from manufacturer's full range] <Insert color>.

Elastomeric-Seal Acoustical Ceiling Joint Cover <Insert drawing designation>: Elastomeric-seal assembly designed for use in acoustical ceilings.

Products: Subject to compliance with requirements, provide one of the following:

Architectural Art Manufacturing; a division of Pittcon Architectural Metals, LLC; <Insert product designation>.

Balco; a CSW Industrials Company; [AC (Face Seal, Accordion Acoustical Ceiling)][ACVS (Face Seal, Flush Acoustical Ceiling, 100)][ACWW (Face Seal, Flush Acoustical Ceiling, 50)].

Construction Specialties, Inc.; <Insert product designation>.

Nystrom, Inc.; [Elastomeric Acoustical Ceiling System (LCA)][Seismic Elastomeric Ceiling System (LCE/w)].

Watson Bowman Acme Corp.; <Insert product designation>.

inpro Corporation; 821 Series.

Application: [Ceiling to ceiling] [Wall to ceiling].

Fire-Resistance Rating: Not less than [that indicated on Drawings] [that of adjacent construction] [1 hour] [2 hours] <Insert rating>.

Exposed Metal:

Aluminum: [Mill] [Clear anodic, Class I] [Clear anodic, Class II] [Color anodic, Class I] [Color anodic, Class II] [Manufacturer's standard] <Insert finish>.

Color: [Light bronze] [Dark bronze] [Match Architect's sample] [As selected by Architect from full range of industry colors and color densities] <Insert color>.

Stainless steel: [No. 2B] [No. 4] [Manufacturer's standard] <Insert finish>.

Bronze: [Mill] [Manufacturer's standard] <Insert finish>.

Brass: [Mill] [Manufacturer's standard] <Insert finish>.

Seal: Preformed elastomeric membranes or extrusions.

Color: [Black] [Gray] [As selected by Architect from manufacturer's full range] <Insert color>.

MATERIALS

Aluminum: **ASTM B221 (ASTM B221M)**, Alloy 6063-T5 for extrusions; **ASTM B209 (ASTM B209M)**, Alloy 6061-T6 for sheet and plate.

Apply manufacturer's standard protective coating on aluminum surfaces to be placed in contact with cementitious materials.

Stainless Steel: ASTM A240/A240M or ASTM A666, Type 304 for plates, sheet, and strips.

Brass: ASTM B36/B36M, UNS Alloy C26000 for half hard sheet and coil.

Bronze: ASTM B455, Alloy C38500 for extrusions; Alloy C23000 red brass for plates.

Elastomeric Seals: Manufacturer's standard preformed elastomeric membranes or extrusions to be installed in metal frames.

Fire Barriers: Any material or material combination, when fire tested after cycling, designated to resist the passage of flame and hot gases through a movement joint and to comply with performance criteria for required fire-resistance rating.

- 522 Moisture Barrier: Manufacturer's standard, flexible elastomeric material.
- 523 Nonmetallic, Shrinkage-Resistant Grout: ASTM C1107/C1107M, factory-packaged, nonmetallic aggregate
524 grout, noncorrosive, nonstaining, mixed with water to consistency suitable for application and a 30-minute
525 working time.
- 526 **ALUMINUM FINISHES**
- 527 Mill finish.
- 528 Clear Anodic Finish: AAMA 611, [AA-M12C22A41, Class I, 0.018 mm] [AA-M12C22A31, Class II, 0.010
529 mm] or thicker.
- 530 Color Anodic Finish: AAMA 611, [AA-M12C22A42/A44, Class I, 0.018 mm] [AA-M12C22A32/A34, Class II,
531 0.010 mm] or thicker.
- 532 **STAINLESS STEEL FINISHES**
- 533 Surface Preparation: Remove tool and die marks and stretch lines, or blend into finish.
- 534 Polished Finishes: Grind and polish surfaces to produce uniform finish, free of cross scratches.
- 535 Run grain of directional finishes with long dimension of each piece.
536 When polishing is completed, passivate and rinse surfaces. Remove embedded foreign matter and leave
537 surfaces chemically clean.
538 Directional Satin Finish: No. 4.
- 539 Bright, Cold-Rolled, Unpolished Finish: No. 2B.
- 540 **COPPER-ALLOY FINISHES**
- 541 Buffed Finish: M21 (Mechanical Finish: buffed, smooth specular).
- 542 Medium-Satin Finish: M32 (Mechanical Finish: directionally textured, medium satin).
- 543 **ACCESSORIES**
- 544 Moisture Barriers: Manufacturer's standard continuous, waterproof membrane within joint and attached to
545 substrate on sides of joint.
- 546 Provide where indicated on Drawings.
- 547 Manufacturer's [**standard**] [**stainless steel**] attachment devices. Include anchors, clips, fasteners, set screws,
548 spacers, and other accessories compatible with material in contact, as indicated or required for complete
549 installations.
- 550 **EXECUTION**
- 551 **EXAMINATION**
- 552 Examine surfaces where expansion joint cover assemblies will be installed for installation tolerances and other
553 conditions affecting performance of the Work.

554 Notify Architect where discrepancies occur that will affect proper expansion joint cover assembly installation
555 and performance.

556 Proceed with installation only after unsatisfactory conditions have been corrected.

557 **PREPARATION**

558 Prepare substrates according to expansion joint cover assembly manufacturer's written instructions.

559 Coordinate and furnish anchorages, setting drawings, and instructions for installing expansion joint cover
560 assemblies. Provide fasteners of metal, type, and size to suit type of construction indicated and to provide for
561 secure attachment of expansion joint cover assemblies.

562 **INSTALLATION**

563 Comply with manufacturer's written instructions for storing, handling, and installing expansion joint cover
564 assemblies and materials unless more stringent requirements are indicated.

565 Metal Frames: Perform cutting, drilling, and fitting required to install expansion joint cover assemblies.

566 Repair or grout block out as required for continuous frame support using nonmetallic, shrinkage-resistant
567 grout.

568 Install frames in continuous contact with adjacent surfaces.

569 Shimming is not permitted.

570 Install in true alignment and proper relationship to joints and adjoining finished surfaces measured from
571 established lines and levels.

572 Adjust for differences between actual structural gap and nominal design gap due to ambient temperature
573 at time of installation.

574 Cut and fit ends to accommodate thermal expansion and contraction of metal without buckling of frames.

575 Locate anchors at interval recommended by manufacturer, but not less than 3 inches (75 mm) from each
576 end and not more than 24 inches (600 mm) o.c.

577 Seals: Install elastomeric seals and membranes in frames to comply with manufacturer's written instructions.

578 Install with minimum number of end joints.

579 Provide in continuous lengths for straight sections.

580 Seal transitions. Vulcanize or heat-weld field-spliced joints as recommended by manufacturer.

581 Installation: Mechanically lock seals into frames or adhere to frames with adhesive or pressure-sensitive
582 tape as recommended by manufacturer.

583 Install with hairline mitered corners where expansion joint cover assemblies change direction or abut other
584 materials.

585 Terminate exposed ends of expansion joint cover assemblies with field- or factory-fabricated termination
586 devices.

587 Fire-Resistance-Rated Assemblies: Coordinate installation of expansion joint cover assembly materials and
588 associated work so complete assemblies comply with performance requirements.

589 Fire Barriers: Install fire barriers to provide continuous, uninterrupted fire resistance throughout length of
590 joint, including transitions and field splices.

591 Moisture Barrier Drainage: If indicated, provide drainage fittings and connect to drains.

592 **PROTECTION**

593 Do not remove protective covering until finish work in adjacent areas is complete. When protective covering is
594 removed, clean exposed metal surfaces to comply with manufacturer's written instructions.

595 Protect the installation from damage by work of other Sections. Where necessary due to heavy construction
596 traffic, remove and properly store cover plates or seals and install temporary protection over expansion joint
597 cover assemblies. Reinstall cover plates or seals prior to Substantial Completion.

598 **END OF SECTION**