

## SECTION 09 29 00 - GYPSUM BOARD

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Section Includes:
  - 1. Interior gypsum board.
  - 2. Tile backing panels.
  - 3. Texture finishes.
  - 4. Sound Attenuation Insulation
- C. Related Requirements:
  - 1. Section 06 16 00 "Sheathing" for gypsum sheathing for exterior walls.
  - 2. Section 09 22 16 "Non-Structural Metal Framing" for non-structural framing and suspension systems that support gypsum board panels.
  - 3. Section 09 21 16 "Gypsum Board Shaft Wall Assemblies" for metal shaft-wall framing, gypsum shaft liners, and other components of shaft-wall assemblies.

#### 1.2 ACTION SUBMITTALS

- A. Product Data: Submit manufacturer's technical data for each type of gypsum board product, including related accessories. Furnish a material list with technical data documenting the location and primary function, quality, and performance of each material component or system to be used in the Work, or other such primary characteristics as required by the Drawings or Specifications.
  - 1. Submit manufacturer's technical data for each gypsum drywall partition and each ceiling system.
- B. Samples: For the following products:
  - 1. Trim Accessories: Full-size Sample in 12-inch- (300-mm-) long length for each trim accessory indicated.
  - 2. Textured Finishes: Manufacturer's standard size for each textured finish indicated and on same backing indicated for Work.

#### 1.3 QUALITY ASSURANCE

- A. Single-Source Responsibility for Panel Products: Obtain each type of gypsum board and other panel products from a single manufacturer.
- B. Single-Source Responsibility for Finishing Materials: Obtain finishing materials from either the same manufacturer that supplies gypsum board and other panel products or from a manufacturer acceptable to gypsum board manufacturer.
- C. Fire-Test-Response Characteristics: For gypsum board assemblies with fire-resistance ratings, provide materials and construction identical to those tested in

assembly indicated according to ASTM E 119 by an independent testing and inspecting agency acceptable to authorities having jurisdiction.

1. Fire-Resistance-Rated Assemblies: Indicated by design designations from GA-600, "Fire Resistance Design Manual."
- D. Sound Transmission Characteristics: For gypsum board assemblies with STC ratings, provide materials and construction identical to those tested in assembly indicated according to ASTM E 90 and classified according to ASTM E 413 by a qualified independent testing agency.
1. STC-Rated Assemblies: Indicated by design designations from GA-600, "Fire Resistance Design Manual."
- E. Mockups: Before beginning gypsum board installation, install mockups of at least 100 sq. ft. (9 sq. m) in surface area to demonstrate aesthetic effects and set quality standards for materials and execution.
1. Install mockups for the following:
    - a. Each level of gypsum board finish indicated for use in exposed locations.
    - b. Each texture finish indicated.
  2. Apply or install final decoration indicated, including painting and wall coverings, on exposed surfaces for review of mockups.
  3. Simulate finished lighting conditions for review of mockups.
  4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

#### 1.4 DELIVERY, STORAGE AND HANDLING

- A. Store materials inside under cover and keep them dry and protected against weather, condensation, direct sunlight, construction traffic, and other potential causes of damage. Stack panels flat and supported on risers on a flat platform to prevent sagging.

#### 1.5 FIELD CONDITIONS

- A. Environmental Limitations: Comply with ASTM C 840 requirements or gypsum board manufacturer's written recommendations, whichever are more stringent.
- B. Do not install paper-faced gypsum panels until installation areas are enclosed and conditioned.
- C. Do not install panels that are wet, those that are moisture damaged, and those that are mold damaged.
  1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
  2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Resistance-Rated Assemblies: For fire-resistance-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E 119 by an independent testing agency.
1. Conform to applicable code for fire rated assemblies. Construct assemblies to achieve fire resistance ratings indicated on Drawings in accordance with UL, GA, or other acceptable tested approved assemblies. Where no test number is referenced, utilize and submit a tested approved assembly that achieves the fire rating required by the Drawings, including the Life Safety Plan.
  2. Assemblies listed do not necessarily indicate all assemblies that may be used in this project. Contractor may propose alternate UL listed assemblies that meet the same requirements to the Architect for consideration. Contractor may not substitute assemblies without written authorization by the Architect.
  3. Drawings, keys or written descriptions located in the Contract Documents to describe fire rated assemblies for beams, floors, roofs, columns, walls, partitions and through-penetration fire-stop systems do not necessarily call out each and every specific requirement of the designated UL listed assembly identified. It is the Contractor's responsibility to become thoroughly familiar with the corresponding requirements published in the most recent issue of the Underwriters Laboratories Inc. Fire Resistance Directory and construct the fire rated assemblies in strict accordance with those requirements.
  4. Prescribed UL Design Numbers which may be called for on this Project and may be required as determined during the construction process if existing conditions dictate. The UL assemblies indicated in the Contract Documents are not intended to represent all rated conditions designated in the Contract Documents or those that may be considered viable alternates (where approved by Architect). UL listed fire rated assemblies include, but are not limited to the following:
    - a. Wall Systems: Refer to Drawings.
    - b. Through-Penetrations Fire-stop Systems: Refer to Section 07 84 13 "Penetration Fire-stopping."
    - c. Fire-Resistive Joint Systems: Refer to Section 07 84 46 "Fire-Resistant Joint Sealants."
- B. STC-Rated Assemblies: For STC-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E 90 and classified according to ASTM E 413 by an independent testing agency.

### 2.2 GYPSUM BOARD, GENERAL

- A. Size: Provide maximum lengths and widths available that will minimize joints in each area and that correspond with support system indicated.

### 2.3 INTERIOR GYPSUM BOARD

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. American Gypsum.
  2. CertainTeed Corp.
  3. Georgia-Pacific Gypsum LLC.
  4. Lafarge North America Inc.
  5. National Gypsum Company.
  6. Temple-Inland.
  7. USG Corporation.
- B. Gypsum Board, Type X: ASTM C 1396/C 1396M.
1. Thickness: 5/8 inch (15.9 mm).
  2. Long Edges: Tapered
- C. Gypsum Ceiling Board: ASTM C 1396/C 1396M.
1. Thickness: 1/2 inch (12.7 mm).
  2. Long Edges: Tapered.
- D. Cementitious Backer Units: ANSI A118.9 and ASTM C 1288 or 1325, Type A with manufacturer's standard edges.
1. Products: Subject to compliance with requirements, provide one of the following:
    - a. C-Cure; C-Cure Board 990.
    - b. CertainTeed Corp.; Fiber-Cement Backer-Board.
    - c. James Hardie Building Products, Inc.; Hardie-backer 500.
    - d. National Gypsum Company, Perma-base Cement Board.
    - e. USG Corporation; DUROCK Cement Board.
  2. Thickness: 5/8 inch (15.9 mm).
  3. Mold Resistance: ASTM D 3273, score of 10 as rated according to ASTM D 3274.
- 2.4 SPECIALTY GYPSUM BOARD
- A. Glass-Mat Interior Gypsum Board: ASTM C 1658/C 1658M. With fiberglass mat laminated to both sides. Specifically designed for interior use.
1. Products: Subject to compliance with requirements, provide one of the following:
    - a. Georgia-Pacific Gypsum LLC; DensArmour Plus.
    - b. Temple-Inland; GreenGlass Interior Glass-Mat Board.
  2. Core: 5/8 inch (15.9 mm), Type X.
  3. Long Edges: Tapered.
  4. Mold Resistance: ASTM D 3273, score of 10 as rated according to ASTM D 3274.
- 2.5 TRIM ACCESSORIES
- A. Interior Trim: ASTM C 1047.
1. Material: Galvanized or aluminum-coated steel sheet or rolled zinc.
  2. Shapes:
    - a. Corner-bead.
    - b. Bullnose bead.
    - c. LC-Bead: J-shaped; exposed long flange receives joint compound.
    - d. L-Bead: L-shaped; exposed long flange receives joint compound.
    - e. U-Bead: J-shaped; exposed short flange does not receive joint compound.
    - f. Expansion (control) joint.

- g. Curved-Edge Corner-bead: With notched or flexible flanges.
  - B. Aluminum Trim: Extruded accessories of profiles and dimensions indicated.
    - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
      - a. Fry Reglet Corp.
      - b. Gordon, Inc.
      - c. Pittcon Industries.
    - 2. Aluminum: Alloy and temper with not less than the strength and durability properties of ASTM B 221 (ASTM B 221M), Alloy 6063-T5.
    - 3. Finish: Corrosion-resistant primer compatible with joint compound and finish materials specified.
- 2.6 JOINT TREATMENT MATERIALS
- A. General: Comply with ASTM C 475/C 475M.
  - B. Joint Tape:
    - 1. Interior Gypsum Board: Paper.
    - 2. Glass-Mat Gypsum Board: 10-by-10 glass mesh.
    - 3. Tile Backing Panels: As recommended by panel manufacturer.
  - C. Joint Compound for Interior Gypsum Board: For each coat use formulation that is compatible with other compounds applied on previous or for successive coats.
    - 1. Prefilling: At open joints and damaged surface areas, use setting-type taping compound.
    - 2. Embedding and First Coat: For embedding tape and first coat on joints, fasteners, and trim flanges, use setting-type taping compound.
      - a. Use setting-type compound for installing paper-faced metal trim accessories.
    - 3. Fill Coat: For second coat, use setting-type, sandable topping compound.
    - 4. Finish Coat: For third coat, use setting-type, sandable topping compound.
    - 5. Skim Coat: For final coat of Level 5 finish, use drying-type, all-purpose compound.
  - D. Joint Compound for Tile Backing Panels:
    - 1. Cementitious Backer Units: As recommended by backer unit manufacturer.
- 2.7 AUXILIARY MATERIALS
- A. General: Provide auxiliary materials that comply with referenced installation standards and manufacturer's written recommendations.
  - B. Laminating Adhesive: Adhesive or joint compound recommended for directly adhering gypsum panels to continuous substrate.
    - 1. Laminating adhesive shall have a VOC content of 50 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
  - C. Steel Drill Screws: ASTM C 1002, unless otherwise indicated.
    - 1. Use screws complying with ASTM C 954 for fastening panels to steel members from 0.033 to 0.112 inch (0.84 to 2.84 mm) thick.
    - 2. For fastening cementitious backer units, use screws of type and size recommended by panel manufacturer.

- D. Moisture Barrier Membrane:
  - 1. Material Quality Standard: ANSI A108 Series, A-2.1.8.
  - 2. Acceptable Products:
    - a. Reinforced Asphalt Paper: ASTM C171, duplex type.
    - b. Polyethylene Vapor Retarder: ASTM D 4397, 4 mils thick, 0.19 maximum permeance rating.
  - 3. Tape: Moisture resistant, pressure sensitive tape suitable for sealing membrane to plumbing pipes penetrating wallboard.
  - 4. Products used for shower pan waterproofing specified in Section 09 30 00 "Tiling".
- E. Electrical Box Pads: Putty Pads: Moldable non-curing one component, intumescent, fire-rated material for through-penetration fire stop systems and sound attenuation systems; self-adhering; 1/8 inch thick minimum.
- F. Sound Attenuation Blankets: ASTM C 665, Type I (blankets without membrane facing) produced by combining thermosetting resins with mineral fibers manufactured from glass, slag wool, or rock wool.
  - 1. Fire-Resistance-Rated Assemblies: Comply with mineral-fiber requirements of assembly.
- G. Acoustical Joint Sealant: Manufacturer's standard non-sag, paintable, non-staining latex sealant complying with ASTM C 834. Product effectively reduces airborne sound transmission through perimeter joints and openings in building construction as demonstrated by testing representative assemblies according to ASTM E 90.
  - 1. Products: Subject to compliance with requirements, provide one of the following:
    - a. Accumetric LLC; BOSS 824 Acoustical Sound Sealant.
    - b. Grabber Construction Products; Acoustical Sealant GSC.
    - c. Pecora Corporation; AC-20 FTR.
    - d. Specified Technologies, Inc.; Smoke N Sound Acoustical Sealant.
    - e. USG Corporation; SHEETROCK Acoustical Sealant.
  - 2. Acoustical joint sealant shall have a VOC content of 250 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
- H. Thermal Insulation: As specified in Section 07 21 00 "Thermal Insulation."

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine areas and substrates including welded hollow-metal frames and framing, with Installer present, for compliance with requirements and other conditions affecting performance.
- B. Examine panels before installation. Reject panels that are wet, moisture damaged, and mold damaged.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PUTTY PADS FOR SMOKE / FIRE-RATED AND STC-RATED WALLS

- A. Prior to installing wallboards, install putty pads in accordance with manufacturer's written instructions and at all junction boxes.
- B. Overlap front edge of box so that putty will be compressed around edges of box as gypsum panels are installed.

3.3 APPLYING AND FINISHING PANELS, GENERAL

- A. Comply with ASTM C 840.
- B. Install ceiling panels across framing to minimize the number of abutting end joints and to avoid abutting end joints in central area of each ceiling. Stagger abutting end joints of adjacent panels not less than one framing member.
- C. Install panels with face side out. Butt panels together for a light contact at edges and ends with not more than 1/16 inch (1.5 mm) of open space between panels. Do not force into place.
- D. Locate edge and end joints over supports, except in ceiling applications where intermediate supports or gypsum board back-blocking is provided behind end joints. Do not place tapered edges against cut edges or ends. Stagger vertical joints on opposite sides of partitions. Do not make joints other than control joints at corners of framed openings.
- E. Form control and expansion joints with space between edges of adjoining gypsum panels.
- F. Cover both faces of support framing with gypsum panels in concealed spaces (above ceilings, etc.), except in chases braced internally.
  - 1. Unless concealed application is indicated or required for sound, fire, air, or smoke ratings, coverage may be accomplished with scraps of not less than 8 sq. ft. (0.7 sq. m) in area.
  - 2. Fit gypsum panels around ducts, pipes, and conduits.
  - 3. Where partitions intersect structural members projecting below underside of floor/roof slabs and decks, cut gypsum panels to fit profile formed by structural members; allow 1/4- to 3/8-inch (6.4- to 9.5-mm-) wide joints to install sealant.
- G. Isolate perimeter of gypsum board applied to non-load-bearing partitions at structural abutments. Provide 1/4- to 1/2-inch (6.4- to 12.7-mm-) wide spaces at these locations and trim edges with edge trim where edges of panels are exposed. Seal joints between edges and abutting structural surfaces with acoustical sealant.
- H. Attachment to Steel Framing: Attach panels so leading edge or end of each panel is attached to open (unsupported) edges of stud flanges first.
- I. STC-Rated and Smoke Rated Assemblies: Seal construction at perimeters, behind control joints, and at openings and penetrations with a continuous bead of acoustical sealant. Install acoustical sealant at both faces of partitions at perimeters and through penetrations. Comply with ASTM C 919 and with manufacturer's written recommendations for locating edge trim and closing off sound-flanking paths around or through assemblies, including sealing partitions above acoustical ceilings.

- J. Install sound attenuation blankets before installing gypsum panels unless blankets are readily installed after panels have been installed on one side.
- K. Where mineral wool blankets are indicated for sound attenuation above ceilings, install blanket insulation over entire ceiling area in thicknesses indicated. Extend insulation up either side of partitions.

### 3.4 APPLYING INTERIOR GYPSUM BOARD

- A. Install interior gypsum board in the following locations:
  - 1. Type X: Vertical surfaces unless otherwise indicated.
  - 2. Ceiling Type: Ceiling surfaces.
  - 3. Abuse-Resistant Type: Install in all new level 2 corridors, PACU and OR wall type areas.
  - 4. Glass-Mat Interior Gypsum Board:
    - a. Interior side (face) of exterior walls.
    - b. Interior partitions where Contractor desires to install gypsum board prior to building dry-in.
    - c. Wet locations 4'-0" to each side of water source.
  - 5. Acoustically Enhanced Type: As indicated on Drawings.
- B. Single-Layer Application:
  - 1. On ceilings, apply gypsum panels before wall/partition board application to greatest extent possible and at right angles to framing unless otherwise indicated.
  - 2. On partitions/walls, apply gypsum panels vertically (parallel to framing) unless otherwise indicated or required by fire-resistance-rated assembly, and minimize end joints.
    - a. Stagger abutting end joints not less than one framing member in alternate courses of panels.
    - b. At stairwells and other high walls, install panels horizontally unless otherwise indicated or required by fire-resistance-rated assembly.
  - 3. On Z-furring members, apply gypsum panels vertically (parallel to framing) with no end joints. Locate edge joints over furring members.
  - 4. Fastening Methods: Apply gypsum panels to supports with steel drill screws.
- C. Multilayer Application:
  - 1. On ceilings, apply gypsum board indicated for base layers before applying base layers on walls/partitions; apply face layers in same sequence. Apply base layers at right angles to framing members and offset face-layer joints one framing member, 16 inches (400 mm) minimum, from parallel base-layer joints, unless otherwise indicated or required by fire-resistance-rated assembly.
  - 2. On partitions/walls, apply gypsum board indicated for base layers and face layers vertically (parallel to framing) with joints of base layers located over stud or furring member and face-layer joints offset at least one stud or furring member with base-layer joints, unless otherwise indicated or required by fire-resistance-rated assembly. Stagger joints on opposite sides of partitions.
  - 3. On Z-furring members, apply base layer vertically (parallel to framing) and face layer either vertically (parallel to framing) or horizontally (perpendicular to



framing) with vertical joints offset at least one furring member. Locate edge joints of base layer over furring members.

4. Fastening Methods: Fasten base layers and face layers separately to supports with screws.

- D. Laminating to Substrate: Where gypsum panels are indicated as directly adhered to a substrate (other than studs, joists, furring members, or base layer of gypsum board), comply with gypsum board manufacturer's written recommendations and temporarily brace or fasten gypsum panels until fastening adhesive has set.

### 3.5 APPLYING TILE BACKING PANELS

- A. Cementitious Backer Units: ANSI A108.11, at all wet areas.
  1. Moisture Barrier Membrane: Install membrane over area to be covered with cementitious wallboards.
    - a. Use tape to temporarily hold membrane in place until covered with additional wallboards.
    - b. Extend membrane over tub or shower pan lip for positive drainage.
    - c. Shingle upper course over lower course.
    - d. Lap not less than 3 inches.
    - e. Where plumbing pipes penetrate membrane, seal membrane to pipe with tape.
  2. Backer Units: Install cementitious board vertically.
    - a. Cut as directed by manufacturer without damaging edges. Treat edges per manufacturer's recommendations.
    - b. Anchor with screws, spaced according to fastening sequence as recommended by manufacturer.
    - c. Do not install screws within 6 inches of the shower wall base so as to not penetrate shower pan waterproofing.
    - d. Where tile backing panels abut other types of panels in the same plane, shim surfaces to produce a uniform plane across panel surfaces.

### 3.6 INSTALLING TRIM ACCESSORIES

- A. General: For trim with back flanges intended for fasteners, attach to framing with same fasteners used for panels. Otherwise, attach trim according to manufacturer's written instructions.
- B. Control Joints: Install control joints according to ASTM C 840 and in specific locations approved by Architect for visual effect.
- C. Interior Trim: Install in the following locations:
  1. Corner-bead: Use at outside corners unless otherwise indicated.
  2. Bullnose Bead: Use at outside corners.
  3. LC-Bead: Use at exposed panel edges.
  4. L-Bead: Use where indicated.
  5. U-Bead: Use at exposed panel edges where indicated.
  6. Curved-Edge Corner-bead: Use at curved openings.
- D. Exterior Trim: Install in the following locations:
  1. Corner-bead: Use at outside corners.
  2. LC-Bead: Use at exposed panel edges.

- E. Aluminum Trim: Install in locations indicated on Drawings.

### 3.7 FINISHING GYPSUM BOARD

- A. General: Treat gypsum board joints, interior angles, edge trim, control joints, penetrations, fastener heads, surface defects, and elsewhere as required to prepare gypsum board surfaces for decoration. Promptly remove residual joint compound from adjacent surfaces.
- B. Prefill open joints and damaged surface areas.
- C. Apply joint tape over gypsum board joints, except for trim products specifically indicated as not intended to receive tape.
- D. Gypsum Board Finish Levels: Finish panels to levels indicated below and according to ASTM C 840:
  - 1. Level 5: Embed tape and apply separate first, fill, and finish coats of joint compound to tape, fasteners, and trim flanges, and apply skim coat of joint compound over entire surface where indicated. Level 5 finish shall be applied at all exposed drywall surfaces within main entrance hallways, elevator corridors, and areas scheduled to receive accent lighting or semi-gloss finishes, refer to room finish schedules for locations.
    - a. Primer and its application to surfaces are specified in other Section 09 91 00 "Painting."
- E. Cementitious Backer Units: Finish according to manufacturer's written instructions.

### 3.8 PARTITION IDENTIFICATION

- A. At fire-rated wall and smoke partition assemblies, provide an identification of wall rating in 4-inch high stenciled block letters in red paint. Space identifications 12 feet on center maximum, 4 feet from corners maximum, above ceiling. Provide identification on both sides of wall.
- B. Partition Identification Text: Apply the following, as applicable:
  - 1. NON-RATED PARTITION
  - 2. SMOKE PARTITION – PROTECT ALL OPENINGS (Noted on Drawings as 'SP')
  - 3. 20-MINUTE FIRE & SMOKE PARTITION – PROTECT ALL OPENINGS
  - 4. 1-HOUR SMOKE BARRIER – PROTECT ALL OPENINGS (Noted on Drawings as '1SB')
  - 5. 1-HOUR FIRE PARTITION – PROTECT ALL OPENINGS (Noted on Drawings as '1FP')
  - 6. 1-HOUR FIRE BARRIER – PROTECT ALL OPENINGS (Noted on Drawings as '1FB')
  - 7. 2-HOUR FIRE WALL – PROTECT ALL OPENINGS (Noted on Drawings as '2FW')
  - 8. 2-HOUR FIRE BARRIER – PROTECT ALL OPENINGS (Noted on Drawings as '2FBS')
  - 9. 2-HOUR SHAFT ENCLOSURE – PROTECT ALL OPENINGS
- C. Refer to Section 09 91 00 "Painting" for painting. Use Semi-Gloss, Low-Odor paint.

### 3.9 FIELD QUALITY CONTROL

- A. Above-Ceiling Observation: Before installing gypsum board ceilings, conduct an above-ceiling inspection, and report and correct deficiencies in the Work observed. Do not proceed with installation of gypsum board to ceiling support framing until deficiencies have been corrected.
1. Notify Architect seven days in advance of date and time when Project, or part of Project, will be ready for Contractor's above-ceiling inspection. Provide Architect with copy of deficiencies report. Architect reserves the right to supplement Contractor's deficiency report with other incomplete or incorrect items that might be observed during Architect's site visit.
  2. Before notifying Architect, complete the following in areas to receive gypsum board ceilings:
    - a. Installation of 80 percent of lighting fixtures, powered for operation.
    - b. Installation, insulation, and leak and pressure testing of water piping systems.
    - c. Installation of air-duct systems.
    - d. Installation of air devices.
    - e. Installation of mechanical system control-air tubing.
    - f. Installation of ceiling support framing.
    - g. Touch-up / patching of spray fire-resistive materials (SFRM).
    - h. Installation of penetration fire-stopping in fire- and smoke-rated partitions.
    - i. Installation of fire-resistant joint sealants in fire-rated partitions.
    - j. Installation of acoustical sealants at adjacent sound-rated partitions.
    - a. Application of fire- and smoke-rated partition identification.

### 3.10 ACOUSTIC TESTING

- A. The Owner may have periodic sound tests made, at his option, as the work progresses. The Contractor shall make necessary modifications of partitions that are found to be substandard (not meeting approximate sound attenuation levels established by tests listed in manufacturer's data sheets) for that particular partition construction.
1. Costs of testing of partitions when found to be substandard shall be paid for by the Contractor, including cost of retesting of modified partitions.
  2. Cost of testing partitions found to comply with sound attenuation levels required, will be paid for by the Owner.

### 3.11 PROTECTION

- A. Protect adjacent surfaces from drywall compound and promptly remove from floors and other non-drywall surfaces. Repair surfaces stained, marred, or otherwise damaged during drywall application.
- B. Protect installed products from damage from weather, condensation, direct sunlight, construction, and other causes during remainder of the construction period.
- C. Remove and replace panels that are wet, moisture damaged, and mold damaged.
1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.

Maine Medical Center  
Bean 2 Roof Addition  
For Construction  
ADDENDUM No. 3  
**Issued for Permit**

PERKINS+WILL  
C140135461 (MMC) /152168.00 (P+W)  
June 14, 2013  
January 17, 2014  
**February 07, 2014**

2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

END OF SECTION