

A. Install tile, thresholds, and stair treads and grout in accordance with applicable requirements of ANSI A108.1 through A108.13, manufacturer's instructions, and TCA Handbook recommendations.

B. Lay tile to pattern indicated. Do not interrupt the pattern through openings.

C. Cut and fit tile to penetrations through tile, leaving sealed joint space. Form corners and bases neatly. Align to joints.

D. Place the joints uniform in width, subject to variance in tolerance allowed in the size. Make joints watertight without voids, cracks, excess mortar, or excess grout.

E. Form interior angles square and exterior angles butt-jointed.

F. Install ceramic accessories rigidly in prepared openings.

G. Install thresholds where indicated.

H. Sound tile after setting. Replace hollow sounding units.

I. Keep expansion joints free of adhesive or grout. Apply sealant to joints.

J. Allow tile to set for a minimum of 48 hours prior to grouting.

K. Grout the joints. Use standard grout unless otherwise indicated.

L. Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes.

3.04 INSTALLATION - FLOORS - THIN-SET METHODS

A. Over interior concrete substrates, install in accordance with TCA Handbook Method F113, dry-set or latex-ported cement bed coat, with standard grout, unless otherwise indicated.

B. Over gypsum wallboard on wood or metal studs install in accordance with TCA Handbook Method W243, thin-set with dry-set or latex-ported cement bed coat, unless otherwise indicated.

C. Where waterproofing membrane is indicated other than at showers and bathtub walls, install in accordance with TCA Handbook Method V22, one coat method.

3.05 INSTALLATION - WALL TILE

A. Over cementitious backer units on studs, install in accordance with TCA Handbook Method W243, using membrane as backer coats.

B. Over gypsum wallboard on wood or metal studs install in accordance with TCA Handbook Method W243, thin-set with dry-set or latex-ported cement bed coat, unless otherwise indicated.

C. Where waterproofing membrane is indicated other than at showers and bathtub walls, install in accordance with TCA Handbook Method V22, one coat method.

3.06 CLEANING

A. Clean tile and grout surfaces.

3.07 PROTECTION

A. Do not permit traffic over finished floor surface for 4 days after installation.

END OF SECTION

PXX / Painter Service Center 09 9000 - 4 TILING

A. Accessory Materials: Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials required to achieve the finished specified whether specifically indicated or not, commercial quality.

B. Patching Material: Latex filler.

C. Primer: Cover Material: Latex filler.

3.01 EXAMINATION

A. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

B. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.

C. Test shop-applied primer for compatibility with subsequent cover materials.

D. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces is below the following maximums:

- Gypsum Wallboard: 12 percent
- Cement Floors and Traffic Surfaces: 8 percent

3.02 PREPARATION

A. Clean surfaces thoroughly and correct defects prior to coating application.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

C. Remove or mask surface appearances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.

D. Seal surfaces that might cause bleed-through on opening of report.

E. Remove mildeu from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.

F. Gypsum Based Surfaces to be Painted: Fill minor defects with filler compound. Spot prime defects after repair.

G. Concrete Floors and Traffic Surfaces to be Painted: Remove contamination, acid etch, and prime floors with clear water. Verify required acid-balance is achieved. Allow to dry.

H. Galvanized Surfaces to be Painted: Remove surface contamination and oils and wash with solvent. Apply coat of etching primer.

I. Coated Steel and Iron Surfaces to be Painted: Prepare using at least SSPC-12 hand tool cleaning or SSPC-SP 3 (power tool cleaning) followed by SSPC-SP 1 (solvent cleaning).

J. Uncoated Uncoated Steel and Iron Surfaces to be Painted: Remove grease, oil, sand, weld spatter, dirt, and rust. Where heavy coatings of rust are noticed, remove by hand or power tool wire brushing or sandblasting; clean by washing with solvent. Apply a treatment of phosphoric acid solution, ensuring wetted joints, bolts, and nuts are already cleaned. Prime paint entire surface; spot prime after repair.

K. Shop-Primed Steel Surfaces to be Painted: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surface with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.

3.03 APPLICATION

PXX / Painter Service Center 09 9000 - 3 PAINTING AND COATING

C. Mount machines on vibration and acoustic isolators, on bed plate and concrete pad. Place on structural supports and bearing plates. Securely fasten to building supports. Prevent lateral displacement.

D. Accommodate equipment in spaces indicated.

E. Install guide rails using threaded bolts with metal shims and lock washers under nuts. Compensate for expansion and contraction movement of guide rails.

F. Accurately machine and align guide rails. Form smooth joints with machined splice plates.

G. Coordinate installation of hoistway wall construction.

H. Install hoistway door sills, frames, and headers in hoistway walls. Grout sills in place. Set entrances in vertical alignment with car openings and aligned with plumb hoistway lines.

I. Structural Metal Surfaces: Clean surfaces of rust, oil or grease, wipe clean with solvent; prime two coats.

J. Machine Room Components: Clean and degrease; prime one coat, finish with one coat of enamel.

K. Adjust equipment for smooth and quiet operation.

3.04 ERECTION TOLERANCES

3.05 FIELD QUALITY CONTROL

A. Testing and inspection by regulatory agencies will be performed at their discretion.

- Schedule tests with agencies and notify Jim Painter and Architect.
- Obtain permits required to perform tests.
- Document regulatory agency tests and inspections in accordance with the requirements of Section 01 400.
- Perform tests required by regulatory agencies.
- Finish test and approval certificates issued by authorities having jurisdiction.

3.06 ADJUSTING

A. Adjust for smooth acceleration and deceleration of car so not to cause passenger discomfort.

B. Adjust automatic floor leveling feature at each floor to achieve 1/4 inch from hush.

3.07 CLEANING AND PROTECTION

A. Remove protective coverings from finished surfaces.

B. Clean surfaces and components ready for inspection.

C. Do not permit construction traffic with cabs after cleaning.

3.08 MAINTENANCE

A. See Section 01 7000 - Execution Requirements, for additional requirements relating to maintenance services.

B. Perform maintenance work using competent and qualified personnel under the supervision and in the direct employ of the elevator manufacturer or original installer.

C. Provide service and maintenance of elevator system and components for one year from Date of Substantial Completion.

D. Examine system components monthly. Clean, adjust, and lubricate equipment.

PXX / Painter Service Center 14 2000 - 3 PASSENGER ELEVATORS

E. Include systematic examination, adjustment, and lubrication of elevator equipment. Maintain hydraulic fluid levels. Repair or replace parts whenever required. Use parts produced by the manufacturer or the original equipment. Replace wire ropes when necessary to maintain the required factor of safety.

F. Perform work without removing cars during peak traffic periods.

END OF SECTION

PXX / Painter Service Center 10 2000 - TOILET, BATH, AND LAUNDRY ACCESSORIES

A. Other Acceptable Manufacturers:

- ThyssenKrupp Elevator, Product _____, www.thyssenkruppelevator.com.
- Schindler Elevator Corp, Product _____, www.us.schindler.com.
- Schindler Elevator Corp, Product _____, www.us.schindler.com.

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that hoistway, pit, and machine room are ready for work of this section.

C. Verify hoistway shaft and openings are of correct size and within tolerance.

D. Verify location and size of machine foundation and position of machine foundation bolts.

E. Verify that electrical power is available and of the correct characteristics.

3.02 PREPARATION

A. Arrange for temporary electrical power for installation work and testing of elevator components.

3.03 INSTALLATION

A. Install system components. Connect equipment to building utilities.

B. Provide conduit, boxes, wiring, and accessories.

C. Mount machines on vibration and acoustic isolators, on bed plate and concrete pad. Place on structural supports and bearing plates. Securely fasten to building supports. Prevent lateral displacement.

D. Accommodate equipment in spaces indicated.

E. Install guide rails using threaded bolts with metal shims and lock washers under nuts. Compensate for expansion and contraction movement of guide rails.

F. Accurately machine and align guide rails. Form smooth joints with machined splice plates.

G. Coordinate installation of hoistway wall construction.

H. Install hoistway door sills, frames, and headers in hoistway walls. Grout sills in place. Set entrances in vertical alignment with car openings and aligned with plumb hoistway lines.

I. Structural Metal Surfaces: Clean surfaces of rust, oil or grease, wipe clean with solvent; prime two coats.

J. Machine Room Components: Clean and degrease; prime one coat, finish with one coat of enamel.

K. Adjust equipment for smooth and quiet operation.

3.04 ERECTION TOLERANCES

A. Guide Rail Alignment: Plumb and parallel to each other in accordance with ASME A17.1.

3.05 FIELD QUALITY CONTROL

A. Testing and inspection by regulatory agencies will be performed at their discretion.

- Schedule tests with agencies and notify Jim Painter and Architect.
- Obtain permits required to perform tests.
- Document regulatory agency tests and inspections in accordance with the requirements of Section 01 400.
- Perform tests required by regulatory agencies.
- Finish test and approval certificates issued by authorities having jurisdiction.

3.06 CLEANING AND PROTECTION

PXX / Painter Service Center 14 2000 - 1 FREIGHT ELEVATORS

A. Support Channels and Hangers: Galvanized steel, size and type to suit application, seismic requirements, and ceiling system follows requirement specified.

B. Panelist Moldings: Same material and finish as grid.

C. At Exposed Grid: Provide L-shaped molding for mounting at same elevation as face of grid.

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that layout of hangers will not interfere with other work.

3.02 INSTALLATION - SUSPENSION SYSTEM

A. Rigidity secure system, including integral mechanical and electrical components, for maximum deflection of 1/30.

B. Install after major above-ceiling work is complete. Coordinate the location of hangers with other work.

C. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are exposed, avoid visible displacement of base plane of adjacent members.

D. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.

E. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capacity.

F. Support future loads using supplementary hangers located within 6 inches of each corner, or support components independently.

G. Do not screw-tighten load system or induce rotation of runners.

H. Panelist Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other members.

I. Use lowest practical lengths:

- Blank: 24 to 34 inches.
- Thickness: 3/4 inches.
- Compression: Wet held.
- Edge: Round edge.
- Surface Color: White.
- Surface Finish: Non-directional fissured.

3.03 INSTALLATION - ACoustICAL CeLINGS

A. Install acoustical units in accordance with manufacturer's instructions.

B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.

C. Fit border trim neatly against abutting surfaces.

D. Install units after above-ceiling work is complete.

E. Install acoustical units level, in uniform plane, and free from hair, wax, and dirt.

F. Cutting Acoustical Units:

- Mark full cut edges of same profile as factory edges.

3.04 ERECTION TOLERANCES

A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.

PXX / Painter Service Center 09 5100 - 1 ACoustICAL CeLINGS

A. Finish: White painted.

2.03 ACCESSORIES

A. Support Channels and Hangers: Galvanized steel, size and type to suit application, seismic requirements, and ceiling system follows requirement specified.

B. Panelist Moldings: Same material and finish as grid.

C. At Exposed Grid: Provide L-shaped molding for mounting at same elevation as face of grid.

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that layout of hangers will not interfere with other work.

3.02 INSTALLATION - SUSPENSION SYSTEM

A. Rigidity secure system, including integral mechanical and electrical components, for maximum deflection of 1/30.

B. Install after major above-ceiling work is complete. Coordinate the location of hangers with other work.

C. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are exposed, avoid visible displacement of base plane of adjacent members.

D. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.

E. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capacity.

F. Support future loads using supplementary hangers located within 6 inches of each corner, or support components independently.

G. Do not screw-tighten load system or induce rotation of runners.

H. Panelist Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other members.

I. Use lowest practical lengths:

- Blank: 24 to 34 inches.
- Thickness: 3/4 inches.
- Compression: Wet held.
- Edge: Round edge.
- Surface Color: White.
- Surface Finish: Non-directional fissured.

3.03 INSTALLATION - ACoustICAL CeLINGS

A. Install acoustical units in accordance with manufacturer's instructions.

B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.

C. Fit border trim neatly against abutting surfaces.

D. Install units after above-ceiling work is complete.

E. Install acoustical units level, in uniform plane, and free from hair, wax, and dirt.

F. Cutting Acoustical Units:

- Mark full cut edges of same profile as factory edges.

3.04 ERECTION TOLERANCES

A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.

PXX / Painter Service Center 09 5100 - 2 ACoustICAL CeLINGS

A. Finish: White painted.

2.03 ACCESSORIES

A. Support Channels and Hangers: Galvanized steel, size and type to suit application, seismic requirements, and ceiling system follows requirement specified.

B. Panelist Moldings: Same material and finish as grid.

C. At Exposed Grid: Provide L-shaped molding for mounting at same elevation as face of grid.

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that layout of hangers will not interfere with other work.

3.02 INSTALLATION - SUSPENSION SYSTEM

A. Rigidity secure system, including integral mechanical and electrical components, for maximum deflection of 1/30.

B. Install after major above-ceiling work is complete. Coordinate the location of hangers with other work.

C. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are exposed, avoid visible displacement of base plane of adjacent members.

D. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.

E. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capacity.

F. Support future loads using supplementary hangers located within 6 inches of each corner, or support components independently.

G. Do not screw-tighten load system or induce rotation of runners.

H. Panelist Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other members.

I. Use lowest practical lengths:

- Blank: 24 to 34 inches.
- Thickness: 3/4 inches.
- Compression: Wet held.
- Edge: Round edge.
- Surface Color: White.
- Surface Finish: Non-directional fissured.

3.03 INSTALLATION - ACoustICAL CeLINGS

A. Install acoustical units in accordance with manufacturer's instructions.

B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.

C. Fit border trim neatly against abutting surfaces.

D. Install units after above-ceiling work is complete.

E. Install acoustical units level, in uniform plane, and free from hair, wax, and dirt.

F. Cutting Acoustical Units:

- Mark full cut edges of same profile as factory edges.

3.04 ERECTION TOLERANCES

A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.

PXX / Painter Service Center 09 5100 - 3 ACoustICAL CeLINGS

A. Finish: White painted.

2.03 ACCESSORIES

A. Support Channels and Hangers: Galvanized steel, size and type to suit application, seismic requirements, and ceiling system follows requirement specified.

B. Panelist Moldings: Same material and finish as grid.

C. At Exposed Grid: Provide L-shaped molding for mounting at same elevation as face of grid.

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that layout of hangers will not interfere with other work.

3.02 INSTALLATION - SUSPENSION SYSTEM

A. Rigidity secure system, including integral mechanical and electrical components, for maximum deflection of 1/30.

B. Install after major above-ceiling work is complete. Coordinate the location of hangers with other work.

C. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are exposed, avoid visible displacement of base plane of adjacent members.

D. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.

E. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capacity.

F. Support future loads using supplementary hangers located within 6 inches of each corner, or support components independently.

G. Do not screw-tighten load system or induce rotation of runners.

H. Panelist Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other members.

I. Use lowest practical lengths:

- Blank: 24 to 34 inches.
- Thickness: 3/4 inches.
- Compression: Wet held.
- Edge: Round edge.
- Surface Color: White.
- Surface Finish: Non-directional fissured.

3.03 INSTALLATION - ACoustICAL CeLINGS

A. Install acoustical units in accordance with manufacturer's instructions.

B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.

C. Fit border trim neatly against abutting surfaces.

D. Install units after above-ceiling work is complete.

E. Install acoustical units level, in uniform plane, and free from hair, wax, and dirt.

F. Cutting Acoustical Units:

- Mark full cut edges of same profile as factory edges.

3.04 ERECTION TOLERANCES

A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.

PXX / Painter Service Center 09 5100 - 4 ACoustICAL CeLINGS

A. Finish: White painted.

2.03 ACCESSORIES

A. Support Channels and Hangers: Galvanized steel, size and type to suit application, seismic requirements, and ceiling system follows requirement specified.

B. Panelist Moldings: Same material and finish as grid.

C. At Exposed Grid: Provide L-shaped molding for mounting at same elevation as face of grid.

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that layout of hangers will not interfere with other work.

3.02 INSTALLATION - SUSPENSION SYSTEM

A. Rigidity secure system, including integral mechanical and electrical components, for maximum deflection of 1/30.

B. Install after major above-ceiling work is complete. Coordinate the location of hangers with other work.

C. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are exposed, avoid visible displacement of base plane of adjacent members.

D. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.

E. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capacity.

F. Support future loads using supplementary hangers located within 6 inches of each corner, or support components independently.

G. Do not screw-tighten load system or induce rotation of runners.

H. Panelist Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other members.

I. Use lowest practical lengths:

- Blank: 24 to 34 inches.
- Thickness: 3/4 inches.
- Compression: Wet held.
- Edge: Round edge.
- Surface Color: White.
- Surface Finish: Non-directional fissured.

3.03 INSTALLATION - ACoustICAL CeLINGS

A. Install acoustical units in accordance with manufacturer's instructions.

B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.

C. Fit border trim neatly against abutting surfaces.

D. Install units after above-ceiling work is complete.

E. Install acoustical units level, in uniform plane, and free from hair, wax, and dirt.

F. Cutting Acoustical Units:

- Mark full cut edges of same profile as factory edges.

3.04 ERECTION TOLERANCES

A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.

PXX / Painter Service Center 09 5100 - 5 ACoustICAL CeLINGS

A. Finish: White painted.

2.03 ACCESSORIES

A. Support Channels and Hangers: Galvanized steel, size and type to suit application, seismic requirements, and ceiling system follows requirement specified.

B. Panelist Moldings: Same material and finish as grid.

C. At Exposed Grid: Provide L-shaped molding for mounting at same elevation as face of grid.

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that layout of hangers will not interfere with other work.

3.02 INSTALLATION - SUSPENSION SYSTEM

A. Rigidity secure system, including integral mechanical and electrical components, for maximum deflection of 1/30.

B. Install after major above-ceiling work is complete. Coordinate the location of hangers with other work.

C. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are exposed, avoid visible displacement of base plane of adjacent members.

D. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.

E. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capacity.

F. Support future loads using supplementary hangers located within 6 inches of each corner, or support components independently.

G. Do not screw-tighten load system or induce rotation of runners.

H. Panelist Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other members.

I. Use lowest practical lengths:

- Blank: 24 to 34 inches.
- Thickness: 3/4 inches.
- Compression: Wet held.
- Edge: Round edge.
- Surface Color: White.
- Surface Finish: Non-directional fissured.

3.03 INSTALLATION - ACoustICAL CeLINGS

A. Install acoustical units in accordance with manufacturer's instructions.

B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.

C. Fit border trim neatly against abutting surfaces.

D. Install units after above-ceiling work is complete.

E. Install acoustical units level, in uniform plane, and free from hair, wax, and dirt.

F. Cutting Acoustical Units:

- Mark full cut edges of same profile as factory edges.

3.04 ERECTION TOLERANCES

A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.

PXX / Painter Service Center 09 5100 - 6 ACoustICAL CeLINGS

A. Finish: White painted.

2.03 ACCESSORIES

A. Support Channels and Hangers: Galvanized steel, size and type to suit application, seismic requirements, and ceiling system follows requirement specified.

B. Panelist Moldings: Same material and finish as grid.

C. At Exposed Grid: Provide L-shaped molding for mounting at same elevation as face of grid.

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that layout of hangers will not interfere with other work.

3.02 INSTALLATION - SUSPENSION SYSTEM

A. Rigidity secure system, including integral mechanical and electrical components, for maximum deflection of 1/30.

B. Install after major above-ceiling work is complete. Coordinate the location of hangers with other work.

C. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are exposed, avoid visible displacement of base plane of adjacent members.

D. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.

E. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capacity.

F. Support future loads using supplementary hangers located within 6 inches of each corner, or support components independently.

G. Do not screw-tighten load system or induce rotation of runners.

H. Panelist Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other members.

I. Use lowest practical lengths:

- Blank: 24 to 34 inches.
- Thickness: 3/4 inches.
- Compression: Wet held.
- Edge: Round edge.
- Surface Color: White.
- Surface Finish: Non-directional fissured.

3.03 INSTALLATION - ACoustICAL CeLINGS

A. Install acoustical units in accordance with manufacturer's instructions.

B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.

C. Fit border trim neatly against abutting surfaces.

D. Install units after above-ceiling work is complete.

E. Install acoustical units level, in uniform plane, and free from hair, wax, and dirt.

F. Cutting Acoustical Units:

- Mark full cut edges of same profile as factory edges.

3.04 ERECTION TOLERANCES

A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.

PXX / Painter Service Center 09 5100 - 7 ACoustICAL CeLINGS

A. Finish: White painted.

2.03 ACCESSORIES

A. Support Channels and Hangers: Galvanized steel, size and type to suit application, seismic requirements, and ceiling system follows requirement specified.

B. Panelist Moldings: Same material and finish as grid.

C. At Exposed Grid: Provide L-shaped molding for mounting at same elevation as face of grid.

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that layout of hangers will not interfere with other work.

3.02 INSTALLATION - SUSPENSION SYSTEM

A. Rigidity secure system, including integral mechanical and electrical components, for maximum deflection of 1/30.

B. Install after major above-ceiling work is complete. Coordinate the location of hangers with other work.

C. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are exposed, avoid visible displacement of base plane of adjacent members.

D. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.

E. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capacity.

F. Support future loads using supplementary hangers located within 6 inches of each corner, or support components independently.

G. Do not screw-tighten load system or induce rotation of runners.

H. Panelist Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other members.

I. Use lowest practical lengths:

- Blank: 24 to 34 inches.
- Thickness: 3/4 inches.
- Compression: Wet held.
- Edge: Round edge.
- Surface Color: White.
- Surface Finish: Non-directional fissured.

3.03 INSTALLATION - ACoustICAL CeLINGS

A. Install acoustical units in accordance with manufacturer's instructions.

B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.

C. Fit border trim neatly against abutting surfaces.

D. Install units after above-ceiling work is complete.

E. Install acoustical units level, in uniform plane, and free from hair, wax, and dirt.

F. Cutting Acoustical Units:

- Mark full cut edges of same profile as factory edges.

3.04 ERECTION TOLERANCES

A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.

PXX / Painter Service Center 09 5100 - 8 ACoustICAL CeLINGS

A. Finish: White painted.

2.03 ACCESSORIES

A. Support Channels and Hangers: Galvanized steel, size and type to suit application, seismic requirements, and ceiling system follows requirement specified.

B. Panelist Moldings: Same material and finish as grid.

C. At Exposed Grid: Provide L-shaped molding for mounting at same elevation as face of grid.

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that layout of hangers will not interfere with other work.

3.02 INSTALLATION - SUSPENSION SYSTEM

A. Rigidity secure system, including integral mechanical and electrical components, for maximum deflection of 1/30.

B. Install after major above-ceiling work is complete. Coordinate the location of hangers with other work.

C. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are exposed, avoid visible displacement of base plane of adjacent members.

D. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.

E. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capacity.

F. Support future loads using supplementary hangers located within 6 inches of each corner, or support components independently.

G. Do not screw-tighten load system or induce rotation of runners.

H. Panelist Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other members.

I. Use lowest practical lengths:

- Blank: 24 to 34 inches.
- Thickness: 3/4 inches.
- Compression: Wet held.
- Edge: Round edge.
- Surface Color: White.
- Surface Finish: Non-directional fissured.

3.03 INSTALLATION - ACoustICAL CeLINGS

A. Install acoustical units in accordance with manufacturer's instructions.

B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.

C. Fit border trim neatly against abutting surfaces.

D. Install units after above-ceiling work is complete.

E. Install acoustical units level, in uniform plane, and free from hair, wax, and dirt.

F. Cutting Acoustical Units:

- Mark full cut edges of same profile as factory edges.

3.04 ERECTION TOLERANCES

A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.

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