

SECTION - C09111: NON-LOAD-BEARING STEEL FRAMING

PART I - GENERAL

SUMMARY

This Section includes non-load-bearing steel framing members for the following locations:
1. Interior framing systems (e.g., supports for partition walls, framed soffits, furring, etc.)
2. Interior suspension systems (e.g., supports for ceilings, suspended soffits, etc.)
This section will be applicable depending on the construction type shown on the drawings.

QUALITY ASSURANCE

Fire-Test-Response Characteristics: Provide materials and construction identical to those tested in assembly indicated according to ASTM E 119 by a testing and inspection agency.

PART II - PRODUCTS

NON-LOAD-BEARING STEEL FRAMING, GENERAL

Framing Members, General: Comply with ASTM C 754 for conditions indicated. Steel Sheet Components: Comply with ASTM C 645 requirements for metal, unless otherwise indicated.
2. Protective Coating: ASTM A 653/A 653M, G90 (Z275).

SUSPENSION SYSTEM COMPONENTS

Tie Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 0.0625-inch (1.59-mm-) diameter wire, or double strand of 0.0475-inch- (1.21-mm-) diameter wire. Wire Hangers: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 0.182-inch (4.12-mm) diameter. Grid Suspension System for Ceilings: ASTM C 645, direct-hung system composed of main beams and cross-furring members that interlock.
1. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:
a. Armstrong World Industries, Inc.: Drywall Grid Systems.
b. Chicago Metallic Corporation; Drywall Furring System.
c. USG Corporation; Drywall Suspension System.

STEEL FRAMING FOR FRAMED ASSEMBLIES

1. Deck Metal Framing, Chester, OH, 45069
2. Substitutions shall be accepted per SECTION C01030
B. Steel Studs and Runners: ASTM C 645
1. Minimum Base-Metal Thickness: 0.0312 inch (0.79 mm) as well as, as indicated on drawings.
2. Depth: As indicated on Drawings.
3. Slip-Type Head Joints: Where indicated, provide the following:
C. Deflection Track: Steel sheet top runner manufactured to prevent cracking of finishes applied to interior partition framing resulting from deflection of structure above; in thickness not less than indicated for studs and in width to accommodate depth of studs.

PART III - EXECUTION

INSTALLATION, GENERAL

1. Installation Standard: ASTM C 754, except comply with framing sizes and spacing indicated.
2. Gypsum Board Assemblies: Also comply with requirements in ASTM C 840 that apply to framing installation.

INSTALLING SUSPENSION SYSTEMS

1. Isolate suspension systems from building structure where they abut or are penetrated by building structure to prevent transfer of loading imposed by structural movement. Suspend hangers from building structure as follows:
A. Install hangers plumb and free from contact with insulation or other objects within ceiling plenum that are not part of supporting structural or suspension system.
a. Splay hangers only where required to miss obstructions and offset resulting horizontal forces by bracing, counter-splaying, or other equally effective means.
2. Where width of ducts and other construction within ceiling plenum produces hanger spacings that interfere with locations of hangers required to support standard suspension system members, install supplemental suspension members and hangers in the form of trusses or equivalent devices.
3. Do not attach hangers to steel roof deck.
4. Do not connect or suspend steel framing from ducts, pipes, or conduit.
5. Do not attach hangers to exhaust hoods.
6. Seismic Bracing: Sway-brace suspension systems with hangers used for support.
Grid Suspension Systems: Attach perimeter wall track or angle where grid suspension systems meet vertical surfaces. Mechanically join main beam and cross-furring members to each other and butt-out to fit into wall track.
E. Installation Tolerances: Install suspension systems that are level to within 1/8 inch in 12 feet (3 mm in 3.6 m) measured lengthwise on each member that will receive finishes and transversely between parallel members that will receive finishes.

INSTALLING FRAMED ASSEMBLIES

A. Where studs are installed directly against exterior masonry walls or dissimilar metals at exterior walls, install isolation strip between studs and exterior wall.
B. Install studs so flanges within framing system point in same direction.
1. Space studs as follows:
a. As indicated on drawings.
2. Install tracks (runners) at floors and overhead supports. Extend framing full height to structural supports or substrates above suspended ceilings, except where partitions are indicated to terminate at suspended ceilings. Continue framing around ducts penetrating partitions above ceiling.
3. Slip-Type Head Joints: Where framing extends to overhead structural supports, install to produce joints at tops of framing systems that prevent axial loading of finished assemblies.
4. Door Openings: Screw vertical studs at jamba to jamb anchor clips on door frames; install runner track section (for cripple studs) at head and secure to jamb studs.
a. Install two studs at each jamb, unless otherwise indicated.
b. Install cripple studs at head adjacent to each jamb stud, with a minimum 1/2-inch (12.7-mm) clearance from jamb stud to allow for installation of control joint in finished assembly.
c. Extend jamb studs through suspended ceilings and attach to underside of overhead structure.
5. Other Framed Openings: Frame openings other than door openings as required for door openings, unless otherwise indicated. Install framing in areas of openings to match framing required above door head.
6. Fire-Resistance-Rated Partitions: Install framing to comply with fire-resistance-rated assembly indicated and support closures and to make partitions continuous from floor to underside of solid structure.
a. Firestop Track: Where indicated, install to maintain continuity of fire-resistance-rated assembly indicated.
D. Direct Furring:
1. Screw to wood framing.
E. Installation Tolerance: Install each framing member so fastening surface is not more than 1/8 inch (3 mm) from the plane formed by faces of adjacent framing.

END OF SECTION C09111

PART I - GENERAL

SUMMARY

This Section includes the following:
1. Interior gypsum board.
2. Tile backing panels.

RELATED SECTIONS

Building Insulation: SECTION C07210

QUALITY ASSURANCE

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.

PART II - PRODUCTS

INTERIOR GYPSUM BOARD

General: Comply with ASTM C 36/C 36M or ASTM C 1396/C 1396M, as applicable to type of gypsum board indicated and whichever is more stringent. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
a. National Gypsum Company.
b. USG Corporation.
Standard Interior: Thickness: 1/2 inch (12 mm), unless otherwise noted. Long Edges: Tapered. Type X: Thickness: 5/8 inch (15.9 mm), unless otherwise noted. Long Edges: Tapered. Flexible Type: Manufactured to bend to fit radii and to be more flexible than standard regular-type gypsum board of same thickness. Thickness: 1/2 inch (12 mm), unless otherwise noted. Long Edges: Tapered. Ceiling Type: Manufactured to have more sag resistance than regular-type gypsum board. Thickness: 5/8 inch (15.9 mm), unless otherwise noted. Long Edges: Tapered.

TILE BACKING PANELS

Water-Resistant Gypsum Backing Board: ASTM C 830/C 830M or ASTM C 1396/C 1396M. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
a. National Gypsum Company.
b. USG Corporation.
Core: 5/8 inch (15.9 mm), Type X. Cementitious Backer Units: ANSI A118.9. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:
a. USG Corporation; DUROCK Cement Board. Thickness: 1/2 inch (12.7 mm).

TRIM ACCESSORIES

Interior Trim: ASTM C 1047.
1. Material: Galvanized.
2. Shapes:
a. Cornerbead.
b. LC-Bead: J-shaped; exposed long flange receives joint compound.
c. Curved-Edge Cornerbead: With notched or flexible flanges.

JOINT TREATMENT MATERIALS

General: Comply with ASTM C 475/C 475M. Joint Tape: Interior Gypsum Wallboard: Paper. Tile Backing Panels: As recommended by panel manufacturer. Joint Compound for Interior Gypsum Wallboard: For each coat use formulation that is compatible with other compounds applied on previous or for successive coats. Prefilling: At open joints, rounded or beveled panel edges, and damaged surface areas, use setting-type taping compound. Embedding and First Coat: For embedding tape and first coat on joints, fasteners, and trim flanges, use setting-type taping compound. Fill Coat: For second coat, use drying-type, all-purpose compound. Finish Coat: For third coat, use drying-type, all-purpose compound. Joint Compound for Tile Backing Panels: Water-Resistant Gypsum Backing Board: Use setting-type taping compound and setting-type, sandable topping compound. Cementitious Backer Units: As recommended by backer unit manufacturer.

AUXILIARY MATERIALS

General: Provide auxiliary materials that comply with referenced installation standards and manufacturer's written recommendations. Steel Drill Screws: ASTM C 1002, unless otherwise indicated. Use screws complying with ASTM C 954 for fastening panels to steel members from 0.0312 to 0.112 inch (0.84 to 2.84 mm) thick. For fastening cementitious backer units, use screws of type and size recommended by panel manufacturer. Glue: Liquid Nails drywall adhesive or equal, installed per manufacturer instructions.

PART III - EXECUTION

APPLYING AND FINISHING PANELS, GENERAL

Comply with ASTM C 840. Examine panels before installation. Panels that are wet, moisture damaged, and mold damaged are not to be installed. Isolate gypsum board applied to fire-resistance-rated partitions at structural elements and footings. Provide 1/4- to 1/2-inch- (6.4- to 12.7-mm-) wide gaps at these locations, and provide edges with edge trim where edges of panels are exposed. Seal gaps between edges and abutting structural surfaces with acoustical sealant. Extend Framing: Install gypsum panels over wood framing, with floating internal joist construction. Do not attach gypsum panels across the flat grain of wood framing member, including floor joists and headers. Float gypsum panels over wood members, or provide control joints to counteract wood shrinkage.

APPLYING INTERIOR GYPSUM BOARD

Install interior gypsum board in the following locations:
Type X: As indicated on Drawings. Flexible Type: Apply at curved assemblies. Ceiling Type: Ceiling surfaces. Moisture- and Mold-Resistant Type: As indicated on Drawings.

Water-Resistant Gypsum Backing Board: Install at sinks, toilets, mop sinks and where indicated. Install with 1/4-inch (6.4-mm) gap where panels abut other construction or penetrations. Cementitious Backer Units: As indicated on drawings. Where tile backing panels abut other types of panels in same plane, shim surfaces to produce a uniform plane across panel surfaces.

INSTALLING TRIM ACCESSORIES

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. Interior Trim: Install in the following locations:
1. Cornerbead: Use at outside corners, unless otherwise indicated.
2. LC-Bead: Use at exposed panel edges.
3. Curved-Edge Cornerbead: Use at curved openings.

FINISHING GYPSUM BOARD

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. Prefill open joints, rounded or beveled edges, and damaged surface areas. Apply joint tape over gypsum board joints, except those with trim having flanges not intended for tape. Gypsum Board Finish Levels: Finish panels to levels indicated below and according to ASTM C 840:
Level 1: Ceiling plenum areas, concealed areas, and where indicated.
Level 2: N/A.
Level 3: Panels that are substrate for tile and FRP, & all other panel locations not indicated in this section.
Level 4: At panel surfaces that will be exposed to view in public areas. Cementitious Backer Units: Finish according to manufacturer's written instructions.

PROTECTION

Protect installed products from damage from weather, condensation, direct sunlight, construction, and other causes during remainder of the construction period. Remove and replace panels that are wet, moisture damaged, and mold damaged. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape. Indications that panels are mold damaged include, but are not limited to, fuzzy or spotty surface contamination and discoloration.

END OF SECTION C09250

SECTION - C09310: CERAMIC & GLASS TILE

PART I - GENERAL

SECTION INCLUDES

Ceramic tile for walls. Glass Tile for walls. Subway Tile for walls. Red Penny Tile for walls. Porcelain Tile for floors. Base Tile for walls. Setting adhesives and grout.

RELATED SECTIONS

Cast-in-Place Concrete: SECTION C03300 Gypsum Board Systems: SECTION C09250

REFERENCE PUBLICATIONS

Tile Council of America (TCA): Most Current "Handbook for Ceramic Tile Installation" American National Standards Institute (ANSI)

PART II - PRODUCTS

MANUFACTURER

The drawings were prepared and this specification written on the basis of using the products of specific manufacturers.

MATERIALS

Ceramic Tile: Glass Tile, Subway Tile, Porcelain Tile, and Base Tile: Refer to Finish Schedule for manufacturer, color, size, and grout color. Provide necessary stops, cover returns, trimmers and cover tapes as required for a complete installation. Cementitious Backer Units (Thinset): Mapei Ultraflex 2: Polymer-modified thin set mortar. Meets or exceeds ANSI A118.4 and ANSI A118.11. Backer Units: As recommended by TCA for the particular conditions in which the tile is being installed. Refer to Finish Schedule, Floor Finish Plan for coordination. For Glass Tile: Comply with manufacturer. Interior Grout: Laticrete Portland cement grout conforming to ANSI A118.6; color (pigment additive) - drawings. Floors - Acid resistant grout, color (pigment additive) as shown on drawings.

PART III - EXECUTION

INSPECTION Examine all surfaces receiving tile for any defects that would impair installation and if any are found, make such corrections. Contractor shall apply leveling coat of dry-set mortar over wall and floor surfaces which vary more than 1/8-inch in 10 feet. Installation constitutes acceptance of the substrate.

INSTALLATION

Standard practice will be expected and accepted; poor or sloppy workmanship will be rejected. Interior: Conform to manufacturer's printed specifications and instructions, and to "thin setting" and "grout joints" instructions and sketches contained in "Handbook for Ceramic Tile Installation" for each condition encountered on the job.

END OF SECTION C09310

SECTION - C09330: QUARRY TILE

PART I - GENERAL

SECTION INCLUDES

Quarry tile floor and base. Setting adhesives and grout. Waterproofing Membrane.

RELATED SECTIONS

Cast-in-Place Concrete: SECTION C03300

The Council of America (TCA): Most current "Handbook for Ceramic Tile Installation" American National Standards Institute (ANSI)

PART II - PRODUCTS

MANUFACTURER

The drawings were prepared and this specification written on the basis of using the products of specific manufacturers. It is not the intent to limit competitive bidding. Products with equal characteristics by other manufacturers are acceptable under the conditions of these specifications.

MATERIALS

Quarry Tile: See Finish Schedule. Cementitious Bond Coat (Thin-Set): Mapei, Ultraflex 2: Polymer-modified thin set mortar. Meets or exceeds ANSI A118.4 and ANSI A118.11. Grout: Mapei, Kerapoxy IEG CO, epoxy grout, conforming to ANSI A118-3. Standard: See drawings for color. Waterproofing: Composition Gold, 40 mil, as manufactured by Compoite Corporation.

PART III - EXECUTION

INSPECTIONS

Examine all surfaces receiving quarry tile for any defects that would impair installation and if any are found, make such corrections. Installation constitutes acceptance of the substrate.

INSTALLATION

Conform to tile manufacturer's printed specifications and instructions and to "cement mortar" instructions and sketches contained in "Handbook for Ceramic Tile Installation" for each condition encountered on the job. In general, standard practice will be expected and accepted and poor or sloppy workmanship will be rejected. Surface to receive tile must be free of sealers, curing compounds, coatings, oil, dust and must be dry. Waterproofing Membrane: Conform to manufacturer's printed specifications and instructions. Pre-cut 'Gold' to fit layout. Use thin-set method to bond 'Gold' to concrete slab. Overlap joint 2-inches. Using a 100 pound roller, apply pressure to remove air pockets. Wipe all seams, using PVC cement. Use Elast-Seal to bond 'Gold' to flashings and drains.

CLEAN-UP

Upon completion of work of this section remove installed debris and trimmings.

END OF SECTION C09330

SECTION - C09510: ACOUSTICAL PANEL FINISHES

PART I - GENERAL

SUMMARY

This section includes finishes consisting of acoustical panels and exposed suspension systems.

SUBMITTALS

Submit Shop Drawings per SUBMITTALS section; Base on details shown on the Drawings. Submit manufacturer's technical data for each type of acoustical ceiling unit and suspension system required.

RELATED SECTIONS

Gypsum Board: SECTION C09250 Division 15 - Mechanical Work Division 16 - Electrical Work

QUALITY ASSURANCE

Single-Source: Provide acoustical panel units and grid components by a single manufacturer. Fire Performance: Identify acoustical ceiling components with appropriate markings of applicable testing and inspection organization. Surface Burning Characteristics: Tested per ASTM E 84 and complying with ASTM E 1264 for Class A Products.
a. Flame Spread: 25 or less
b. Smoke Developed: 50 or Less

DELIVERY, STORAGE AND HANDLING

Deliver units to project site in original, unopened packages and store them in a fully enclosed space where they will be protected against damage from moisture, direct sunlight, surface contamination and other causes. Before installing units, permit them to reach room temperature and stabilize moisture content. Handle acoustical ceiling units carefully to avoid chipping edges or damaged units in any way.

PART II - PRODUCTS

MANUFACTURERS

Lay-in Ceiling Tiles (Driing/Serving): CERTAINTEED CORPORATION, P.O. Box 860, Valley Forge PA 19482, (800) 233-8900. Refer to drawings. Lay-in Ceiling Tiles (Kitchen/Back-of-House): CERTAINTEED CORPORATION, P.O. Box 860, Valley Forge PA 19482, (800) 233-8900. Refer to drawings. Metal Suspension System: CERTAINTEED CORPORATION, P.O. Box 860, Valley Forge PA 19482, (800) 233-8900. Refer to drawings. Attachment Devices: Size for design load indicated in ASTM C 635, Table 1, Direct Hung. Wire Hangers and Ties: ASTM A 641, Class 1 zinc coating, soft temper, pre-stretched, with a yield stress load of at least three times design load, but not less than 12 gauge. Edge Molding and Trim: Manufacturer's standard molding for edge bead penetrations.

PART III - EXECUTION

PREPARATION

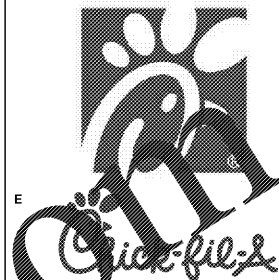
Measure each ceiling area and establish layout of acoustical units to balance grid widths at opposite edges of each ceiling. Avoid use of less than half width units at borders, and comply with reflected ceiling plans. Coordinate panel layout with mechanical and electrical fixtures.

INSTALLATION

Install suspension system and acoustical panel assemblies to comply with written publications from the manufacturer. Suspend main beam from overhead construction with hanger wires plumb and free. Space hangers not more than 48 inches on center along the length of the main runner. Follow appropriate guidelines for earthquake zones. Install edge molding and trim at perimeter of acoustical ceiling area and where necessary to conceal edges of acoustical panels. Install acoustical panels with undamaged edges and fitted accurately into suspension system runners and edge moldings. Scribe and cut panels at borders and penetrations to provide a neat, precise fit.

Replace damaged and broken panels. Clean exposed surfaces. Cleaning: Comply with manufacturer's written instructions for cleaning and touchup of minor finish damage. Replace components that cannot be successfully cleaned.

END OF SECTION C09510



Chick-fil-A 5200 Buffington Road Atlanta, Georgia 30349-2998

INTERPLAN ARCHITECTURE ENGINEERING INTERIOR DESIGN PROJECT MANAGEMENT

604 COURTLAND STREET SUITE 100 ORLANDO, FLORIDA 32804 PH 407.645.5008 FX 407.629.9124

SEAL: THIS DOCUMENT IS NOT FOR CONSTRUCTION UNLESS THE ARCHITECT'S OR ENGINEER'S SIGNATURE AND SEAL ARE PRESENT.

CHICK-FIL-A SAR South Cobb Drive FSR 3100 South Cobb DR SE, Smyrna, GA 30080

FSR# 00810

Table with 3 columns: NO., DATE, DESCRIPTION

Table with 2 columns: CONSULTANT PROJECT #, DATE

Information contained on this drawing and in all digital files included hereon shall remain the property of the architect or engineer and shall not be distributed or used for any purpose without written or verbal consent from the architect or engineer.

SHEET SPECIFICATIONS SHEET NUMBER A-909

Order Plans @ WWW.BIDLINE.COM

ONLY