08800 - GLAZING

SUMMARY
A. Section Includes:
1. Glazing for the following products and applications, including those specified in other Sections where glazing requirements are specified by reference to this Section:
a. Windows.
b. Interior borrowed lites.

SUBMITTAL
A. Submit informations per the requirements in Division 01 Section "01330-Submittal Procedures and Requirements. "
1. Product Data: For each glass product and glazing material indicated.
2. Glazing Accessory Samples: ***For gaskets and sealants , in 12-inch lengths.*** Install sealant Samples between two strips of material representative in color of the adjoining framing system.
3. Glazing Schedule: List glass types and thicknesses for each size opening and location. Use same designations indicated on Drawings.
4. Delegated-Design Submittal: For glass indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

QUALITY ASSURANCE
A. Pre-installation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "01310-Project Management and Coordination. "
B. Manufacturer Qualifications for Insulating-Glass Units with Sputter-Coated, Low-E Coatings: A qualified insulating-glass manufacturer who is approved by coated-glass manufacturer.
C. Installer Qualifications: A qualified installer who employs glass installers for this Project who are certified under the National Glass Association's Certified Glass Installer Program.
D. Mockups: Build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
1. Install glazing in mockups specified in Section 08411 "Aluminum-Framed Entrances and Storefronts" Section 08441 "Glazed Aluminum Curtain Walls" - to match glazing systems required for Project, including glazing methods.
2. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

PROJECT CONDITIONS
A. Environmental Limitations: Do not proceed with glazing when ambient and substrate temperature conditions are outside limits permitted by glazing material manufacturers and when glazing channel substrates are wet from rain, frost, condensation, or other causes.
1. Do not install glazing sealants when ambient and substrate temperature conditions are outside limits permitted by sealant manufacturer or below 40 deg F.

PRODUCT
A. Interior:
1. Refer to Interior Finish Specification table and/or Door Schedule and Details for product selection and requirements.
B. Miscellaneous Glazing Materials:
1. General: Provide products of material, size, and shape complying with referenced glazing standard, requirements of manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.

EXAMINATION
A. Examine framing, glazing channels, and stops, with Installer present, for compliance with the following:
1. Manufacturing and installation tolerances, including those for size, squareness, and offsets at corners.
2. Presence and functioning of weep systems.
3. Minimum required face and edge clearances.
4. Effective sealing between joints of glass-framing members.
5. Proceed with installation only after unsatisfactory conditions have been corrected.

PREPARATION
A. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings not firmly bonded to substrates.
B. Examine glazing units to locate exterior and interior surfaces. Label or mark units as needed so that exterior and interior surfaces are readily identifiable. Do not use materials that will leave visible marks in the completed work.

GLAZING, GENERAL
A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.
B. Adjust glazing channel dimensions as required by Project conditions during installation to provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances.
C. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.
D. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction testing.
E. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.
F. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.
G. Provide spacers for glass lites where length plus width is larger than 50 inches.
1. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances, unless gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and to comply with system performance requirements.
2. Provide 1/8-inch minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.
H. Provide edge blocking where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and according to requirements in referenced glazing publications.
I. Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.
J. Set glass lites with proper orientation so that coatings face exterior or interior as specified.
K. Where wedge-shaped gaskets are driven into one side of channel to pressurize sealant or gasket on opposite side, provide adequate anchorage so gasket cannot walk out when installation is subjected to movement.
L. Square cut wedge-shaped gaskets at corners and install gaskets in a manner recommended by gasket manufacturer to prevent corners from pulling away; seal corner joints and butt joints with sealant recommended by gasket manufacturer.

CLEANING AND PROTECTION
A. Protect exterior glass from damage immediately after installation by attaching crossed streamers to framing held away from glass. Do not apply markers to glass surface. Remove non-permanent labels and clean surfaces.
B. Protect glass from contact with contaminating substances resulting from construction operations. If, despite such protection, contaminating substances do come into contact with glass, remove substances immediately as recommended in writing by glass manufacturer.
C. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for buildup of dirt, scum, alkaline deposits, or stains; remove as recommended in writing by glass manufacturer.
D. Remove and replace glass that is broken, chipped, cracked, or abraded or that is damaged from natural causes, accidents, and vandalism, during construction period.
E. Wash glass on both exposed surfaces in each area of Project not more than four days before date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended in writing by glass manufacturer.

09250 - GYPSUM BOARD

SUMMARY
A. Section Includes:
1. Interior non load-bearing steel stud partition framing (designed for 5 pounds per square foot uniform load perpendicular to partition).
2. Suspension system for interior gypsum ceilings.
3. Gypsum board.
4. Backer materials: Glass-mat backer board.

SUBMITTAL
A. Submit informations per the requirements in Division 01 Section "01330-Submittal Procedures and Requirements. "

QUALITY ASSURANCE
A. Pre-installation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "01310-Project Management and Coordination. "
B. Installer Qualifications: Company specializing in the installation of light gage metal framing components and gypsum wallboard with minimum 5 years documented experience.

PROJECT CONDITIONS
A. Environmental Limitations: Establish and maintain environmental conditions for applying and finishing gypsum board in conformance with GA -216 - Application and Finishing of Gypsum Board.

PRODUCT
A. General
1. 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. Products used in the assembly shall carry a classification label from a testing laboratory acceptable to Authority Having Jurisdiction.
B. Standard Gypsum Board: ASTM C 1396.
C. Water Resistant Gypsum Board: ASTM C 1396, Type X.
D. Fire Resistant Gypsum Board: ASTM C 1396, Type X.
E. Water and Fire Resistant Gypsum Board: ASTM C 1396, Type X.
F. Abuse Resistant Gypsum Board: ASTM C 1396, Type X.
G. Abuse and Water Resistant Gypsum Board: ASTM C 1396, Type X.
H. Tile backer behind all ceramic wall tile.
I. Gypsum Board Fasteners:
1. Metal Framing: ASTM C 954 and C 1002, Type S-12 bugle head, corrosion-resistant self-drilling self-tapping steel screws.
a. One Layer 1/2 Inch: 1 inch.
b. One Layer 5/8 Inch: 1-1/8 inch.
c. Two Layers: 5/8 Inch: 1-7/8 inch.
2. Wood Furring: ASTM C 1002, 1-1/4 inch, Type W bugle head, corrosion-resistant self-drilling steel screws.
J. Gypsum Board Accessories: Subject to compliance with project requirements and unless otherwise specified, provide the specified gypsum board accessories below but not limited too or equivalents:
1. Corner Beads: Galvanized steel corner bead.
2. Edge Trim: Galvanized steel casing.
3. Control Joint Accessory Piece: Roll-formed zinc by ClarkDietrich or listed as members of CSSA, SSMA, or SFIA.
4. Vertical Movement Joint Trim: No. DRMZ-625-200 aluminum Z shape trim by Fry Reglet.
5. Reveal Trim: Aluminum F reveal (F style zip strip) by Fry Reglet where shown on Drawings.
6. Adhesive: Commercial adhesive complying with ASTM C 557.
7. Acoustical Insulation: Specified in Section 07210.
8. Firestopping: Specified in Section 07840 for penetrations of fire-resistive rated gypsum board.

EXAMINATION
A. Examine existing conditions and adjacent areas where products will be installed and verify that conditions conform to product manufacturer's requirements. Verify that building framing components are ready to receive Work. Verify that rough-in utilities are in-place and located where required. Do not proceed until unsatisfactory conditions have been corrected.
B. Examine panels to assure they are dry and free of moisture and mold damage as evidenced by discoloration, sagging, irregular shape, fuzzy or splotchy surface contamination, and discoloration.

INSTALLATION
A. Gypsum Board:
1. Install gypsum board in accordance with manufacturer's published instructions, ASTM C 840, GA-216, and GA-600.
a. Use water resistant gypsum board at wet areas including walls and ceiling in toilet rooms, janitor closets, and food prep areas as applicable and where shown.
b. Use fire resistant gypsum board at locations of fire-resistive rated assemblies indicated on Drawings.
c. Use water and fire resistant gypsum board at locations of fire-resistive rated assemblies where water resistant gypsum board is specified.
d. Use standard gypsum board at locations not indicated to be fire resistant or water resistant type.
2. Use proper dust control tools and methods when scoring, breaking, and otherwise handling gypsum board.
3. Where applicable, install ceiling panels before the installation of wall panels.
4. Erect single layer gypsum board in most economical direction in accordance with ASTM C 840, with attachment to firm bearing surfaces over framing members. Do not align panel joints with edges of openings.
5. Treat cut edges, holes, fastener heads, and joints, including those at angle intersections, in water resistant gypsum board with specified joint compound. Treat prior to installation.
6. Place gypsum panels over supporting framing members with panel ends aligning and parallel with framing members. Leave bottom edge spacing above floor in accordance with GA-216.
7. Install fasteners spaced and located in accordance with GA-216 or ASTM C840.

FINISH
A. Apply gypsum board finish in accordance with manufacturer's published instructions and GA-214 finish levels.
B. Provide gypsum board finish levels at locations as follows:
1. Level 0 (GA-214): No taping, finishing, or accessories required.
a. Where temporary construction or whenever the final decoration has not been determined.
2. Level 1 (GA-214): All joints and interior angles shall have tape embedded in joint compound. Excess joint compound and tool marks are acceptable; fastener heads need not be covered.
a. Where joint treatment in smoke barrier applications and areas not normally open to public view such as plenum areas above ceilings, attics, and other areas where the assembly would generally be concealed.
3. Level 2 (GA-214): All joints and interior angles shall have tape embedded in joint compound and wiped with a joint knife leaving a thin coating of joint compound over all joints and interior angles. If joint compound is applied over the body of the tape and smoothed at the time of embedment in Level 1, it shall satisfy the conditions of this level. Fastener heads and accessories shall be covered with one (1) coat of joint compound. Surface shall be free of excess joint compound. Tool marks are acceptable.
a. Where gypsum panel products are used as a substrate for tile; may be used in garages, warehouse storage or other similar areas where surface appearance is not a concern.
4. Level 3 (GA-214): All joints and interior angles shall have tape embedded in joint compound and shall be immediately wiped with a joint knife leaving a thin coating of joint compound over all joints and interior angles. One (1) separate coat of joint compound shall be applied over all joints and interior angles. Fastener heads and accessories shall be covered with two (2) separate coats of joint compound. The surface shall be smooth and free of tool marks.
a. Where appearance areas that are to receive heavy- or medium-texture finishes (spray or hand applied) before final painting, or where heavy-duty/commercial grade wall coverings are to be applied as the final decoration. The design professional shall specify the mock-up procedure and mock-up construction details within the project documents. This is not the correct level of finish for smooth wall designs or applications where light textures, non-continuous textures, or lightweight wall coverings are to be applied.
5. Level 4 (GA-214): All joints and interior angles shall have tape embedded in joint compound and shall be immediately wiped with a joint knife leaving a thin coating of joint compound over all joints and interior angles. Two (2) separate coats of joint compound shall be applied over all flat joints and one (1) separate coat of joint compound shall be applied over interior angles. Fastener heads and accessories shall be covered with three (3) separate coats of joint compound. The surface shall be smooth and free of tool marks.
a. Typically specified in appearance areas where smooth wall designs are decorated with flat paints, light textures, non-continuous textures, or wall coverings are to be applied. The design professional shall clearly indicate the areas that meet these criteria on the finish schedule and/or plans, specify the mock-up procedure and mock-up construction details within the project documents. Non-flat or dark/deep tone paints are not recommended; refer to Level 5.
b. In critical lighting areas, flat paints applied over light continuous textures may reduce joint photographing.
c. The weight, texture, and sheen level of wall coverings applied over this level of finish should be carefully evaluated.
d. Joints and fasteners must be adequately concealed if the wallcovering used is of lightweight construction, contains limited pattern, has a sheen level other than flat, or any combination thereof.
e. Unbacked vinyl wall coverings are not recommended over this level of finish.
6. Level 5 (GA-214): All joints and interior angles shall have tape embedded in joint compound and shall be immediately wiped with a joint knife leaving a thin consistent coating of joint compound over all joints and interior angles. Two (2) separate coats of joint compound shall be applied over all flat joints and one (1) separate coat of joint compound shall be applied over interior angles. Fastener heads and accessories shall be covered with three (3) separate coats of joint compound. A skim coat of joint compound or a material manufactured especially for this purpose shall be applied to the entire surface. The surface shall be smooth and free of tool marks (see "Skim Coat" in Comments).
a. Typically specified in appearance areas where smooth wall designs are decorated with non-flat paints (i.e. sheen/gloss) or other glossy decorative finishes, dark/deep tone paints are applied, or critical lighting conditions occur. The design professional shall clearly indicate the areas that meet these criteria on the finish schedule and/or plans, and specify the mock-up procedure and construction details within the project documents. This level of finish is the most effective method to provide a uniform surface and minimize the possibility of joint photographing and/or fasteners showing through the final decoration.
b. Skim Coating.
• Skim coating is a process intended to conceal minor surface differences and create a more uniform surface. The objective of skim coating is to achieve total coverage of the entire surface, which is typically accomplished by using a drywall broad knife to force the material into the surface pores and imperfections, then shearing the excess compound from the surface. There is no specific mil thickness that constitutes a proper skim coat. This process may also be accomplished with spray applied materials or specialty products formulated for that purpose.

FIELD QUALITY CONTROL
A. Inspect metal framing erection, placement, spacing, fasteners, and connections to building.
B. Inspect gypsum board installation, fastener type, spacing, and finish level.
C. Inspect installation of firestopping penetrations of fire-restive rated partitions and at voids between top of partition and building structure.

PROTECTION
A. Protect adjacent surfaces from drywall compound and promptly remove from floors and other non-drywall surfaces.
B. Protect installed interior non load-bearing steel stud partition framing, gypsum board, and gypsum sheathing and backer materials from damage until Substantial Completion.

09310 - CERAMIC TILE

SUMMARY
A. Section Includes:
1. New and replacement ceramic wall tile, floor tile, and accessories.

SUBMITTAL
A. **Submit informations per the requirements in Division 01 Section "01330-Submittal Procedures and Requirements. "**

QUALITY ASSURANCE
A. **Pre-installation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "01310-Project Management and Coordination. "**

PRODUCT
A. Interior:
1. **Refer to Interior Finish Specification table for product selection and requirements.**

DELIVERY, STORAGE, AND HANDLING
A. Section 01600 - Product Requirements: Transport, Handle, Store, and Protect Products.
B. Transport, handle, store, and protect products in compliance with the requirements of Section 01600.
C. Store packaged materials in original containers with seals unbroken and labels intact until time of use.
D. Prevent damage or contamination to materials by water, freezing, foreign matter, and other causes.

SITE CONDITIONS
A. Do not install adhesives in a closed, unventilated environment.
B. Maintain 50 degrees F during installation of mortar materials.

EXAMINATION
A. Examine surfaces and adjacent areas where products will be installed and verify that surfaces conform to product manufacturer's requirements for substrate conditions. Do not proceed until unsatisfactory conditions have been corrected.
B. Beginning of installation indicates acceptance of substrate conditions.

PREPARATION
A. Protect surrounding work from damage or disfiguration.
B. Prepare substrate surfaces which do not need joint repair with sealers or conditioners as recommended by adhesive manufacturer.

INSTALLATION
A. ANSI Tile Installation Standards: Comply with parts of ANSI A108 Series "Specifications for Installation of Ceramic Tile" that apply to types of setting and grouting materials shown and specified.
B. TCA Installation Guidelines: TCA's "Handbook for Ceramic Tile Installation." Comply with applicable TCA installation methods.
C. Transition Strip: Install transition strip at transitions between ceramic tile, concrete, VCT or as indicated in Contract Drawings. Install during tile placement in accordance with edge strip manufacturer's instructions.
D. Expansion Joints: Provide tile expansion joints at control/construction joints in concrete slab. Keep joints free of mortar or grout.
1. Installation Method: TCA EJ171.
E. Install crack isolation membrane at all slab construction joints, saw joints, and stress cracks as needed to prevent transference to floor tile.
F. Grout tile joints.
1. Grout space shall be 1/8-inch for all tile joints unless otherwise noted on Contract Drawings.

FIELD QUALITY CONTROL
A. Inspect ceramic tile installation, joints, grout line alignment, and attachment to substrate.
B. Correct deficiencies in Work which inspection indicates are not in compliance with Contract Documents.

CLEANING
A. Remove excess mortar and grout from floor, base, and wall surfaces without damage.
B. On completion of placement and grouting, clean all ceramic tile surfaces so they are free of foreign matter.
1. Initially clean and remove grout residue from tile as soon as possible according to tile and grout manufacturer's written instructions. Use cleaners recommended by tile and grout manufacturers and only after determining that cleaners are safe to use by testing on samples of tile and other surfaces to be cleaned. Protect metal surfaces and plumbing fixtures from effects of cleaning. Flush surfaces with clean water before and after cleaning.
2. Begin final cleaning approximately 1 hour after initial cleaning of the grout. Repeat if haze remains.
3. If haze remains 24 hours after installation, clean surfaces using straight white vinegar or bleaching type cleanser by methods described in preceding paragraph.
C. Dispose of construction waste in accordance with the requirements of Section 01351.

PROTECTION
A. Protect installed tile work with kraft paper or other heavy covering during construction period to prevent staining, damage, and wear. If recommended by tile manufacturer, apply coat of neutral protective cleaner to completed tile walls and floors.
B. Prohibit traffic from floor finish for 72 hours after installation.

09672 – RESINOUS FLOORING

SUMMARY
A. Section Includes:
1. Resinous flooring.
2. Integral cove base accessories.

PREINSTALLATION MEETINGS
A. Preinstallation Conference: Conduct conference at Project site or by web conference.
1. Review manufacturer's written instructions for substrate preparation and environmental conditions affecting resinous flooring installation.
2. Review details of integral cove bases.
3. Review manufacturer's written instructions for installing resinous flooring systems.
4. Review protection measures for adjacent construction and installed flooring, floor drainage requirements, curbs, base details, and so forth.

ACTION SUBMITTALS
A. Submit informations per the requirements in Division 01 Section "01330-Submittal Procedures and Requirements. "

QUALITY ASSURANCE
A. Pre-installation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "01310-Project Management and Coordination. "
B. Engage an installer who is certified in writing by resinous flooring manufacturer as qualified to apply resinous flooring systems indicated.

MOCKUPS
A. Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.
1. Apply full-thickness mockups on 2-ft square floor area in dining and back of house area.
a. Include 2-ft length of integral cove base with inside outside corner.
2. Simulate finished lighting conditions for Architect's review of mockups.
3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Owner specifically approves such deviations by Change Order.
4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
B. Provide a mockup of the Floor Sinks and integration with the flooring finish system to test for water proofing.
1. Mockup to be no smaller than 12" larger than the Floor Sink and include all components of the system.
2. Allow for retention of water over the system for no less then 12hrs.
3. Check for water infiltration on the underside of system.

FIELD CONDITIONS
A. Environmental Limitations: Comply with resinous flooring manufacturer's written instructions for substrate temperature, ambient temperature, moisture, ventilation, and other conditions affecting resinous flooring installation.
B. Lighting: Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during resinous flooring installation.
C. Close spaces to traffic during resinous flooring installation and for 24 hours after installation unless manufacturer recommends a longer period.

WARRANTY
A. Special Warranty for Resinous Flooring Products: Manufacturer agrees to repair or replace components of flooring installation that fail in materials or workmanship within specified warranty period.
1. Warranty does not include deterioration or failure of flooring due to unusual traffic, failure of substrate, vandalism, or abuse.
2. Warranty Period: 5 years from date of Substantial Completion.

EXAMINATION
A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resinous flooring systems.
B. Proceed with installation only after unsatisfactory conditions have been corrected.

PREPARATION
A. Prepare and clean substrates in accordance with resinous flooring manufacturer's written instructions for substrate indicated to ensure adhesion.

INSTALLATION OF RESINOUS FLOORING
A. Apply components of resinous flooring system in accordance with manufacturer's written instructions to produce a uniform, monolithic wearing surface of thickness specified.
B. Integral Cove Base Accessories: Adhesively install precast accessories before applying flooring coats and in accordance with manufacturer's written instructions.
C. Field-Formed Integral Cove Base: Apply cove base mix to wall surfaces before applying flooring coats. Apply in accordance with manufacturer's written instructions and details, including those for taping, mixing, priming, troweling, sanding, and topcoating of cove base. Round internal and external corners.
1. Integral Cove Base: match existing height

PROTECTION
A. Protect resinous flooring from damage and wear during the remainder of construction period. Use protective methods and materials, including temporary covering, recommended in writing by resinous flooring manufacturer.

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Project Number: 260050
HOMEGROWN
417 MLK JR BLVD
FAYETTEVILLE, AR

Issue:
FOR PERMIT
Date:
04.20.26

REVISIONS

#	Description	Date

SP.5
SPECIFICATIONS