

<p>SECTION - C08680 PASS-THRU WINDOWS</p> <p>PART I - GENERAL</p> <p>SUMMARY</p> <p>Section Includes: Aluminum automatic pass-thru service windows.</p> <p>RELATED SECTIONS</p> <p>Unit Masonry Assemblies: SECTION C04810</p> <p>Seals and Caulks: SECTION C07920</p> <p>Glazing: SECTION C08990</p> <p>Electrical Division 16 - See Electrical Drawings</p> <p>REFERENCES</p> <p>American Architectural Manufacturers Association (AAMA)</p> <p>ANSI/AAMA 107 - Voluntary Specs. for Aluminum & Poly Vinyl Chloride Prime Windows & Glass Doors</p> <p>American National Standards Institute (ANSI)</p> <p>ANSI Z97.1 - Safety Glazing Materials Used in Buildings - Safety Performance Specs & Methods of Test</p> <p>SYSTEM OF DESCRIPTION</p> <p>Performance Requirements: Provide automatic aluminum windows which have been manufactured, fabricated, and installed to maintain performance criteria by manufacturer without defects, damage, or failure.</p> <p>SUBMITTALS</p> <p>Product Data: Submit manufacturer's product data and standard details for automatic and manual windows for project closeout.</p> <p>Quality Assurance Submittals and Closeout Submittals: Submit the following:</p> <p>Manufacturer's installation instructions and Operation and Maintenance Data.</p> <p>Warranty document as specified herein.</p> <p>WARRANTIES</p> <p>Project Warranty: Refer to Conditions of the Contract for project warranty provisions.</p> <p>Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document. Manufacturer's warranty is in addition to, and not a limitation of, other rights owner may have under the Contract Documents.</p> <p>Distributor's Warranty: The installing distributor shall provide one-year warranty covering the labor and transportation charges for defective parts replacement.</p> <p>PART II - PRODUCTS</p> <p>MANUFACTURERS</p> <p>Quickserv Corp., Houston, TX 40466 (See National Accounts). No substitutions.</p> <p>Model BP-7241E (Bi-Parting Horizontal Sliding Windows Unit):</p> <p>a. Service Opening: 29-1/2 inches (w) x 32 inches (h)</p> <p>b. Rough Opening: 72-1/2 inches (w) x 41-1/2 inches (h)</p> <p>c. Operation Sensor</p> <p>1. Thru-Beam Horizontal Eye Bar</p> <p>2. Push Button</p> <p>d. Glazing: 5/8-inch laminated</p> <p>e. Finish: As indicated on the drawings</p> <p>f. Meets Performance Requirements of CMSBO, Section 15 50 100, Texas CAWM 301-90, Forced Entry Resistance Test for Windows, and ASTM F588.</p> <p>g. Hook Lock: Adam's Rise</p> <p>EQUIPMENT</p> <p>Window Unit Components:</p> <p>1. Header: Aluminum, 4 inch deep by 6 inch high with removable face plate.</p> <p>2. Track: Aluminum, 1/4 inch wide, nylon covered, replaceable.</p> <p>3. Rollers: Steel, high quality ball bearing wheels 1-1/4 inch in diameter.</p> <p>4. Sliding panels (and head panels): Aluminum and glass.</p> <p>5. Concealed guides: To stabilize bottom of sliding panel.</p> <p>6. Anti-derailing means: A continuous aluminum extrusion full length of travel slide panel.</p> <p>7. Mohar weather-strip: On all strike rails as well as on adjoining vertical rails.</p> <p>8. Jamb: Aluminum, 1-3/4 inch by 4 inch.</p> <p>9. Glass: Thickness and glazing as per unit type.</p> <p>10. Hardware:</p> <p>a. Manual Locks: Single slide units equipped with Adams Rise® maximum security MS1850 lock, 1-5/32 inch cylinder, 6410 standard thumbturn and keeper.</p> <p>b. Operator Components/Features for Automatic Units:</p> <p>1. 1/2 inch threadless shaft constructed of induction hardened steel.</p> <p>2. Linear travel block utilizing six aircraft quality ball bearings with integral clutch and rod lubrication.</p> <p>3. 18 HP DC permanent magnet motor, 1800 RPM</p> <p>4. Electronic control module.</p> <p>5. Fully and independently adjustable open seed and close check</p> <p>6. Adjustable time delay from 1 to 20 seconds</p> <p>7. Adjustable reversing circuit enabling operator to reopen window unit if closing path is obstructed.</p> <p>8. Circuit breaker (5 Amp) for current overload protection.</p> <p>GLASS AND GLAZING</p> <p>General: Glass and glazing provided by manufacturer in thickness and type recommended for particular unit type.</p> <p>Laminated Glass: ASTM E774, ASTM 1036.90 Dual-Seal.</p> <p>FABRICATION</p> <p>Panel Construction: Mortise and tenon type joints, neatly and mechanically secured. Sash consists of snap-in glass stops, snap-in glazing beads and vinyl gaskets.</p> <p>Frame Construction: Butt joints, neatly and mechanically secured by means of screws and formed aluminum corner brackets.</p> <p>Operator for Automatic Units: Electromechanical, modular type construction.</p> <p>FINISHES</p> <p>Standard Stock Finishes (for all exposed aluminum surfaces): Vary color with Finish Schedule</p> <p>313-F1 Dark Bronze: Architectural Class II Anodic Coating with Integral Color, AA-M2C22A52</p> <p>PART III - EXECUTION</p> <p>MANUFACTURER'S INSTRUCTIONS</p> <p>Compliance: Comply with factory product data, technical drawings, and installation and carton instructions.</p> <p>Wear-resistant plates in the chassis to help extend the life of the lockbody and provide smoother lock operation.</p> <p>Lifetime warranted heavy-duty lever return springs prevent lever sag and provide positive return to lever to horizontal position.</p>	<p>INSTALLATION</p> <p>General: Install window units plumb, level, and true to line, without warp or rack of frames or sash with manufacturer's prescribed bracing. Provide support and anchor in place.</p> <p>Dissimilar Materials: Comply with AAMA 101, Appendix Dissimilar Materials by separating aluminum materials and other corrosive surfaces from sources of corrosion or electrolytic action contact points.</p> <p>Weather-tight Construction: Install sill and other members in a bed of sealant or with joint filler or gaskets. Coordinate installation with wall flashings and other components of construction.</p> <p>Electrical (for automatic units): General or electrical contractor to install all wiring to operator. Up to five units may be connected to a single circuit.</p> <p>CLEANING, ADJUSTMENT, AND PROTECTION</p> <p>Cleaning: After installation, installer will clean product surfaces and lubricate operating equipment for optimum condition and safety.</p> <p>Adjustment (for automatic units): Installer to adjust operator and controls for optimum condition and safety.</p> <p>END OF SECTION C08680</p> <p>SECTION - C08710 FINISH DOOR HARDWARE</p> <p>PART I - GENERAL</p> <p>SUMMARY</p> <p>All door hardware covered in this section is to be provided by the National Accounts Vendor and installed by the General Contractor, unless noted otherwise on the drawings.</p> <p>Provide door gaskets, including weather stripping and seals and thresholds.</p> <p>Provide gate hardware.</p> <p>RELATED SECTIONS</p> <p>Standard Steel Doors and Frames: SECTION C08110</p> <p>Plastic Laminated Faced Doors: SECTION C08210</p> <p>Aluminum-Framed Entrances & Storefronts: SECTION C08411</p> <p>REFERENCES</p> <p>ANSI/BHMA Certified Product Standards - A156 Series</p> <p>Hardware items shall comply with ANSI specifications and the Americans with Disabilities Act.</p> <p>QUALITY ASSURANCE</p> <p>Hardware Supplier: Company specializing in supplying door hardware with three years documented experience approved by manufacturer.</p> <p>SUBMITTALS</p> <p>General: Submit per SUBMITTALS Section.</p> <p>Operation and Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance. Data shall be submitted as part of contract closeout.</p> <p>DELIVERY, STORAGE AND HANDLING</p> <p>Package hardware items individually with necessary fasteners, instructions, and installation templates, when necessary, label and identify each package with door opening code to match hardware schedule.</p> <p>COORDINATION OF WORK</p> <p>Coordinate Work with other directly affected sections involving manufacture or fabrication of internal reinforcement for door hardware and recessed items.</p> <p>Provide templates or actual hardware as required to ensure proper preparation of doors and frames.</p> <p>Sequence installation to accommodate required utility connections.</p> <p>Coordinate Owner's keying requirements during course of Work.</p> <p>WARRANTY</p> <p>Manufacturer warranty for locksets and door closers.</p> <p>MAINTENANCE MATERIALS</p> <p>Furnish special wrenches and tools applicable for each different and for each special hardware component.</p> <p>Furnish maintenance tools and accessories supplied by hardware component manufacturer.</p> <p>PART II - PRODUCTS</p> <p>MANUFACTURERS</p> <p>HOLLOW METAL SUPPLIER CONTACT INFORMATION:</p> <p>Locknet</p> <p>100 Courchelle Drive</p> <p>Nickolasville, KY 40356</p> <p>ATTN: Jeff Kirkner (856) 887-9119 ext. 131</p> <p>COMPONENTS</p> <p>General Hardware Requirements: Where not specifically indicated, comply with applicable ANSI A156 standard for type of hardware required, furnish each type of hardware with accessories as required for applications indicated and for complete finished, operational doors.</p> <p>Templates: Furnish templates or physical hardware items to door and frame manufacturers sufficiently in advance to avoid delay in Work.</p> <p>Reinforcing Units: Furnished by door and frame manufacturers; coordinated by hardware supplier or hardware manufacturer.</p> <p>Fasteners: Furnish as recommended by hardware manufacturer and as required to secure hardware. Finish to match hardware item being fastened.</p> <p>Hinges: ANSI A156.1, full mortise type, template type, ASN 156.7, or with following general requirements unless otherwise scheduled:</p> <p>1. Widths: Sufficient to clear trim and prevent door swings 180 degrees.</p> <p>2. Number: Furnish minimum three hinges to 90-inches height.</p> <p>a. Interior Flat Panel Wood Doors: Three hinges</p> <p>3. Size and Weight: Hinges shall have a minimum weight of 1-3/4 inch doors.</p> <p>a. Doors over 20-lbs shall have extra heavy weight ball or oilite bearing hinges.</p> <p>b. Doors over 20-lbs which are extra heavy ball or oilite bearing hinges.</p> <p>4. Pins: Furnish inferior hinges with removable pins (NRP) at exterior and locked swinging doors. Inferior hinges are at interior doors.</p> <p>5. Lock and Latching: Furnish locksets compatible with specified cylinders. Typical 2-lb. backset with standard strikes with extended lips to protect trim from being damaged by latch bolt verify type of cutouts provided in metal frames.</p> <p>6. Board (optional) Locksets: ANSI A156.2, Series 4000, Grade 1 unless otherwise indicated.</p> <p>7. Steel latchbolt for added strength and wear resistance. Direct 1/2-inch throw standard.</p> <p>Wear-resistant plates in the chassis to help extend the life of the lockbody and provide smoother lock operation.</p> <p>Lifetime warranted heavy-duty lever return springs prevent lever sag and provide positive return to lever to horizontal position.</p>	<p>Cylinders:</p> <p>1. All cylinders to be small format interchangeable core provided by the Owner.</p> <p>2. Keying: Keyed as directed by Owner.</p> <p>3. All locking products to be supplied with black construction cores for use during construction.</p> <p>4. Keys: Nickel Silver</p> <p>5. Supply quantity of keys as directed by Owner.</p> <p>6. Cylinders: ANSI A156.4 modern type with cover, surface mounted closers; full rack and pinion type with steel spring and non-freezing hydraulic fluid.</p> <p>7. Adjustability: Furnish controls for regulating closing, latching, speeds, and back checking.</p> <p>8. Arms: Type to suit individual condition; parallel-arm closers at reverse bevel doors where doors swing full 180 degrees.</p> <p>9. Location: Mount doors on inside of exterior doors, room side of interior doors typical; mount on pull side of other doors.</p> <p>10. Operating Pressure: Maximum operation pressure as follows:</p> <p>a. Interior Doors: Maximum 5 pounds</p> <p>b. Exterior Doors: Maximum 8 pounds</p> <p>F. Push/Pull, Manual Bolts, Protection Plates, Gaskets, Thresholds and Trim: Furnish as indicated in Schedule, with accessories as required for complete operational door installations.</p> <p>1. Push/Pull: ANSI A156.6, push plates minimum 0.050-inch thick. Furnish straight type pulls with bolts to secure from opposite door face; furnish with minimum 0.050-inch pull plates unless otherwise indicated.</p> <p>2. Manual Constant Latching Bolts: ANSI A156.16 Grade 1 top and bottom flush bolts, with dust-proof floor strike, unless otherwise noted.</p> <p>3. Kick Plates: ANSI A156.6 metal; height indicated in Schedule by 1-inch less than door width; minimum 0.050-inch thick.</p> <p>4. Weatherstripping: Furnish continuous free rated gaskets at top and sides of exterior doors.</p> <p>5. Thresholds: Maximum 1/2-inch height.</p> <p>6. Wall Stops: ANSI A156.1, Grade 1, 2-1/2 inch wall stop; convex pad wall stop with no visible screws.</p> <p>7. Floor Stops: ANSI A156.1, Grade 1, standard floor type with no visible screws; furnish with accessories as required for applications indicated.</p> <p>ACCESSORIES</p> <p>Lock Trim: Furnish levers with rose, escutcheon plate as selected from manufacturer's full range of levers and roses.</p> <p>Through Bolts: Do not permit through bolts and grommet nuts on door faces in occupied areas unless no alternative is possible.</p> <p>FINISHES</p> <p>Finishes: ANSI A156.18, furnish following finishes except where otherwise indicated in the Schedule.</p> <p>HARDWARE FOR HIGH VELOCITY/HURRICANE ZONES</p> <p>All HVHZ hardware sets to meet NOAA data requirements. Refer to Florida approvals and Notice of Acceptance for approved hardware.</p> <p>PART III - EXECUTION</p> <p>EXAMINATION</p> <p>Verify doors and frames are ready to receive door hardware and dimensions are as indicated on shop drawings.</p> <p>INSTALLATION</p> <p>Coordinate mounting heights with door and frame manufacturers. Use templates provided by hardware item manufacturer.</p> <p>Mounting Heights from Finished Floor to Center Line of Hardware Item: Comply with manufacturer's recommendations and applicable codes where not otherwise indicated.</p> <p>1. ANSIPFA 30 and Door Hardware Institute</p> <p>2. Consult with ANSI A117.1 and ADA for positioning requirements for the hardware.</p> <p>3. Do not permit adjacent work to damage hardware or hardware finish.</p> <p>4. Thresholds: Set thresholds for exterior and acoustical doors in a bed of sealant.</p> <p>ADJUSTING</p> <p>Initial Adjustment: Adjust and check each piece of door hardware and each door to ensure proper operation of function. Adjust door gaskets that cannot be adjusted to operate as intended. Adjust door gaskets to compensate for final operation of heating and ventilation equipment. Comply with referenced accessibility requirements.</p> <p>CLEANING AND PROTECTION</p> <p>Protect all hardware strewn on site in a covered container. Protect exposed hardware installed on doors during the construction process.</p> <p>Clear and clean surfaces used by door hardware installation.</p> <p>Clean and trim surfaces as necessary to restore proper finish and provide proper protection against conditions that ensure door hardware is not damaged or deteriorated during Owner's occupancy.</p> <p>END OF SECTION C08710</p> <p>SECTION - C08990 GLAZING</p> <p>PART I - GENERAL</p> <p>SUMMARY</p> <p>Section includes glazing for the following products and applications, including those specified in other Sections where glazing requirements are specified by reference to this Section:</p> <p>1. Windows.</p> <p>2. Doors.</p> <p>3. Storefront framing.</p> <p>4. Glazed entrances.</p> <p>SUBMITTALS</p> <p>Submit under the provisions of SECTION C01300.</p> <p>QUALITY ASSURANCE</p> <p>Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below, unless more stringent requirements are indicated. Refer to these publications for glazing terms not otherwise defined in this Section or in referenced standards.</p> <p>1. GANA Publications: GANA's "Laminated Glazing Reference Manual" and GANA's "Glazing Manual."</p> <p>2. IGMA Publication for Insulating Glass: SIGMA TM-3000, "North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial and Residential Use."</p> <p>3. Safety Glazing Labeling: Where safety glazing labeling is indicated, permanently mark glazing with certification label of the SGCC or the manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.</p> <p>4. Insulating-Glass Certification Program: Permanently marked either on spacers or on at least one component lite of units with appropriate certification label of IGCC.</p> <p>PART 2 - PRODUCTS</p> <p>GLASS PRODUCTS, GENERAL</p> <p>Thickness: Where glass thickness is indicated, it is a minimum. Provide glass lites in thicknesses as needed to comply with requirements indicated.</p> <p>Strength: Where float glass is indicated, provide annealed float glass. Kind HS heat-treated float glass, or Kind FT heat-treated float glass. Where heat-strengthened glass is indicated, provide Kind HS heat-treated float glass or Kind FT heat-treated float glass. Where fully tempered glass is indicated, provide Kind FT heat-treated float glass.</p> <p>Windborne-Debris-Impact Resistance: Provide exterior glazing that passes basic-performance testing requirements in ASTM E 1996 for Wind Zone _____ when tested according to ASTM E 1886. Test specimens shall be no smaller in width and length than glazing indicated for use on the Project and shall be installed in same manner as glazing indicated for use on the Project.</p> <p>1. Large-Missile Test: For glazing located within 30 feet (9.1 m) of grade.</p> <p>2. Small-Missile Test: For glazing located more than 30 feet (9.1 m) above grade.</p> <p>Thermal and Optical Performance Properties: Provide glass with performance properties specified, as indicated in manufacturer's published test data, based on procedures indicated below.</p> <p>1. U-Factors: Center-of-glazing values, according to NFRC 100 and based on LBL's WINDOW 5.2 computer program, expressed as Btu/sq. ft. x h x deg F (W/sq. m x K).</p> <p>2. Solar Heat-Gain Coefficient and Visible Transmittance: Center-of-glazing values, according to NFRC 200 and based on LBL's WINDOW 5.2 computer program.</p> <p>3. Visible Reflectance: Center-of-glazing values, according to NFRC 300.</p> <p>GLASS PRODUCTS</p> <p>Float Glass: ASTM C 1036, Type I, Quality-Q3, Class I (clear) unless otherwise indicated.</p> <p>Heat-Treated Float Glass: ASTM C 1048, Type I, Quality-Q3, Class I (clear) unless otherwise indicated, of kind and condition indicated.</p> <p>Acid Etched Glass: ASTM C 1036, Type II, Class 1 (clear), Form 3; Quality-Q6, Finish F1 (etched one side).</p> <p>LAMINATED GLASS</p> <p>Laminated Glass: ASTM C 1172, and complying with testing requirements in 16 CFR 1201 for Category II materials, and with other requirements specified. Use materials that have a proven record of no tendency to bubble, discolor, or lose physical and mechanical properties after fabrication and installation.</p> <p>Construction: Laminated glass with polyvinyl butyral interlayer to comply with interlayer manufacturer's written recommendations.</p> <p>1. Interlayer Thickness: Provide thickness not less than that indicated and as needed to comply with requirements.</p> <p>2. Interlayer Color: Clear unless otherwise indicated.</p> <p>3. Windborne-Debris-Impact-Resistant Laminated Glass: ASTM C 1172, and complying with testing requirements in 16 CFR 1201 for Category II materials, with "Windborne-Debris-Impact Resistance" Paragraph in "Glass Products, General" Article, and with other requirements specified. Use materials that have a proven record of no tendency to bubble, discolor, or lose physical and mechanical properties after fabrication and installation.</p> <p>1. Construction: Laminated glass with one of the following to comply with interlayer manufacturer's written recommendations:</p> <p>a. Polyvinyl butyral interlayer.</p> <p>2. Interlayer Thickness: Provide thickness not less than that indicated and as needed to comply with requirements.</p> <p>3. Interlayer Color: Clear unless otherwise indicated.</p> <p>INSULATING GLASS</p> <p>Insulating Glass Units: Factory-assembled units consisting of sealed insulating glass separated by a polyethylene interspace, quality tested according to ASTM E 1130, and complying with other requirements specified.</p> <p>1. Sealing System: Dual seal.</p> <p>2. Spacer: Manufacturer's standard spacer material and construction.</p> <p>GLAZING GASKETS</p> <p>Dense Compression Gaskets: Molded or extruded gaskets of profile and hardness required to maintain window unit seal, made from one of the following:</p> <p>1. Neoprene complying with ASTM C 864.</p> <p>2. EPDM complying with ASTM D 2654.</p> <p>3. Silicone complying with ASTM D 2954.</p> <p>4. Thermoplastic polyolefin rubber complying with ASTM C 1115.</p> <p>GLAZING SEALANTS</p> <p>Compatibility: Provide glazing sealants that are compatible with one another and with materials they will contact, including glass products, seals of insulating glass units, and glazing channel substrates, under conditions of service and application, as specified by sealant manufacturer based on testing and field experience.</p> <p>Substitutability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.</p> <p>Colors of Exposed Glazing Sealants: As indicated by manufacturer's designations.</p> <p>Glazing Sealant: Neutral-curing silicone glazing sealant complying with ASTM C 920, Type S, Grade NS, Class 100/50, Use N1.</p> <p>GLAZING TAPES</p> <p>Back-Bedding Mastic: Glazing Tapes: Preformed, butyl-based, 100 percent solids elastomeric tape, nonstaining and nonmigrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; and complying with ASTM C 1281 and AAMA 800 for products indicated below.</p> <p>1. AAMA 804.3 tape, where indicated.</p> <p>2. Expanded Cellular Glazing Tapes: Closed-cell, PVC foam tapes; factory coated with adhesive on both surfaces; and complying with AAMA 800 for the following types:</p> <p>1. AAMA 810.1, Type 1, for glazing applications in which tape acts as the primary sealant.</p> <p>2. AAMA 810.1, Type 2, for glazing applications in which tape is used in combination with a full bed of liquid sealant.</p> <p>MISCELLANEOUS GLAZING MATERIALS</p> <p>Cleaners, Finishes, and Sealers: Types recommended by sealant or gasket manufacturer.</p> <p>Setting Blocks: Elastomeric material with a Shore, Type A durometer hardness of 85, plus or minus 5.</p> <p>Spacers: Elastomeric blocks of continuous extrusions of hardness required by glass manufacturer to maintain glass lites in place for installation indicated.</p> <p>Edge Blocks: Elastomeric material of hardness needed to limit glass lateral movement (side walking).</p> <p>MONOLITHIC-GLASS TYPES</p> <p>Glass Type G-1: Clear fully tempered float glass.</p> <p>1. Thicknesses: 1/4 inch (6.0 mm).</p> <p>2. Provide safety glazing labeling.</p> <p>Glass Type G-1H: Clear fully tempered float glass.</p> <p>1. Thickness: 1/2 inch (13.0 mm).</p> <p>2. Provide safety glazing labeling.</p> <p>LAMINATED-GLASS TYPES</p> <p>Glass Type G-3: Clear laminated glass with two plies of fully tempered float glass.</p> <p>1. Thickness of Each Glass Ply: 1/4 inch (6.0 mm).</p> <p>2. Interlayer Thickness: 0.030 inch (0.76 mm).</p> <p>3. Provide safety glazing labeling.</p>	<p>INSULATING-GLASS TYPES</p> <p>Glass Type GL-2: Low-coated, clear insulating glass.</p> <p>Overall Unit Thickness: 1 inch (25 mm).</p> <p>Thickness of Each Glass Lite: 1/2 inch (12.0 mm).</p> <p>Outdoor Lite: Fully tempered float glass.</p> <p>Interspace Content: Air.</p> <p>Indoor Lite: Fully tempered float glass.</p> <p>Low-E Coating: Pyrolytic on second surface.</p> <p>Visible Light Transmittance: 54 percent minimum.</p> <p>Winter Nighttime U-Factor: 0.29 maximum.</p> <p>Summer Daytime U-Factor: 0.27 maximum.</p> <p>Solar Heat Gain Coefficient: 0.28 maximum.</p> <p>Provide safety glazing labeling.</p> <p>Glass Type GL-31: Low-coated, clear insulating glass.</p> <p>Overall Unit Thickness: 1 inch (25 mm).</p> <p>Thickness of Each Glass Lite: 1/2 inch (12.0 mm).</p> <p>Outdoor Lite: Fully tempered float glass.</p> <p>Interspace Content: Air.</p> <p>Indoor Lite: Fully tempered float glass.</p> <p>Low-E Coating: Pyrolytic on second surface.</p> <p>Add Etching: Opaque on third surface.</p> <p>Visible Light Transmittance: 54 percent minimum.</p> <p>Winter Nighttime U-Factor: 0.29 maximum.</p> <p>Summer Daytime U-Factor: 0.27 maximum.</p> <p>Solar Heat Gain Coefficient: 0.28 maximum.</p> <p>Provide safety glazing labeling.</p> <p>PART 3 - EXECUTION</p> <p>GLAZING, GENERAL</p> <p>Glazing: Glazing system shall consist of glass, sealants, gaskets, and other materials. All materials and sealants shall meet requirements as indicated, including those in referenced glazing publications.</p> <p>Adjust glass channel dimensions as required by Project conditions during installation to provide uniformity of sealant thickness and face clearances, and adequate sealant thicknesses, with reasonable tolerances.</p> <p>Protect glass lites from damage during handling and installation. Remove damaged glass lites from Project and legally dispose of off Project site. Damaged glass is glass that is broken, cracked, or otherwise damaged, that when installed, could weaken glass and affect performance and appearance.</p> <p>Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction testing.</p> <p>Install blocking blocks in all rabbets, sized and located to comply with referenced publications, unless otherwise required by glass manufacturer. Set blocks in full course of compatible sealant suitable for heel bead.</p> <p>Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.</p> <p>Provide spacers for glass lites where length plus width is larger than 50 inches (1270 mm).</p> <p>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.</p> <p>TAPE GLAZING</p> <p>Position tapes on fixed stops so that, when compressed by glass, their exposed edges are flush with or protrude slightly above sightline of stops.</p> <p>Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.</p> <p>Cover vertical framing joints by applying tapes to heads and sills first and then to jambs. Cover horizontal framing joints by applying tapes to jambs and then to heads and sills.</p> <p>Place joints in tapes at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.</p> <p>Center glass lites in openings on setting blocks and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.</p> <p>GASKET GLAZING (DRY)</p> <p>Cut compression gaskets to lengths recommended by gasket manufacturer to fit openings exactly, with allowance for stretch during installation.</p> <p>Insert soft compression gasket between glass and frame or fixed stop so it is securely in place with joints miter cut and bedded together at corners.</p> <p>Installation with Drive-In Wedge Gaskets: Center glass lites in openings on setting blocks and press firmly against soft compression gasket by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.</p> <p>Installation with Pressure-Glazing Stops: Center glass lites in openings on setting blocks and press firmly against soft compression gasket. Install dense compression gaskets and pressure-glazing stops, applying pressure uniformly to compression gaskets. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.</p> <p>Install gaskets so they protrude past face of glazing stops.</p> <p>SEALANT GLAZING (WET)</p> <p>Install continuous spacers, or spacers combined with cylindrical sealant backing, between glass lites and glazing stops to maintain glass face clearances and to prevent sealant from extruding into glass channel and blocking weep systems until sealants cure. Secure spacers or spacers and backings in place and in position to control depth of installed sealant relative to edge clearance for optimum sealant performance.</p> <p>Force sealants into glazing channels to eliminate voids and to ensure complete wetting or bond of sealant to glass and channel surfaces.</p> <p>Top exposed surfaces of sealants to provide a substantial wash away from glass.</p> <p>CLEANING AND PROTECTION</p> <p>Protect exterior glass from damage immediately after installation by attaching crowd streamers to framing held away from glass. Do not apply markers to glass surface. Remove nonpermanent labels and clean surfaces.</p> <p>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.</p> <p>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.</p> <p>Remove and replace glass that is broken, chipped, cracked, or abraded or that is damaged from natural causes, accidents, and vandalism, during construction period.</p> <p>END OF SECTION 08900</p>	 <p>Chick-fil-A 5200 Buffington Road Atlanta, Georgia 30349-2998</p> <p>INTERPLAN ARCHITECTURE ENGINEERING INTERIOR DESIGN PROJECT MANAGEMENT</p> <p>604 COURTLAND STREET SUITE 100 ORLANDO, FLORIDA 32804 PH 407.645.5008 FX 407.629.9124</p> <p>SEAL: THIS DOCUMENT IS NOT FOR CONSTRUCTION UNLESS THE ARCHITECT'S SIGNATURE, LICENSE AND SEAL APPEAR BELOW.</p> <p>CHICK-FIL-A SAR South Cobb Drive FSR 3100 South Cobb Drive SE, Smyrna, GA 30080</p> <p>FSR# 00810</p> <table border="1"> <thead> <tr> <th>REVISION</th> <th>SCHEDULE NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>CONSULTANT PROJECT # 2017.0165 PRINTED FOR BID DATE September 06, 2017 DRAWN BY AD</p> <p>Information contained on this drawing and to all rights thereon reserved. No part of this drawing may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the architect.</p> <p>SHEET SPECIFICATIONS</p> <p>SHEET NUMBER A-908</p>	REVISION	SCHEDULE NO.	DATE	DESCRIPTION				
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