

Section 06200  
FINISH CARPENTRY

- 1 GENERAL
1.1 SUMMARY:
A. Section Includes:
1. Finish carpentry items, other than shop prefabricated casework, including installation of wood trim work and wood doors and frames.
2. Door, Hardware and accessories installation.
3. Wood treatment for all concealed wood products.
B. Related Sections:
1. Section 06100 - Rough Carpentry: Wood Blocking and Curbing.
2. Section 08210 - Wood Doors and Frames.
3. Section 08710 - Hardware.
4. Section 08800 - Glazing.
5. Section 09910 - Painting: Painting and finishing of finish carpentry items.
1.2 QUALITY ASSURANCE:
A. Company specializing in custom carpentry work with minimum three (3) years documented experience.
B. Perform finish carpentry work to A.W.I. - Architectural Woodwork Institute, Custom Quality Standards for type of finish specified.
C. Fire retardant treatment to provide flame spread of twenty-five (25) or less when tested in accordance with A.S.T.M. E-84 and to conform to requirements of Section 06100.
D. Provide materials complying with the following lumber grading agencies:
1. W.W.P.A. - Western Wood Products Association.
2. S.P.I.B. - Southern Pine Inspection Bureau.
3. W.C.L.L.B. - West Coast Lumber Inspection Bureau.
E. Plywood grading agencies:
1. A.P.A. - American Plywood Association.
1.3 REGULATORY REQUIREMENTS:
A. Conform to applicable sections of B.O.C.A. and N.F.P.A. codes for fire retardant requirements.
1.4 SUBMITTALS:
A. Submit shop drawings and product data to requirements of Section 01300.
B. Indicate on shop drawings, materials, component profiles, fastening methods, jointing details, finishes, accessories, and to a minimum scale to show required detail.
1.5 SUBSTITUTIONS:
A. Substitutes to requirements of Section 01300.
B. Submit two (2) samples 12x12 inch in size illustrating wood grain and specified finish for each species of wood required on the project.
2 PRODUCTS
2.1 LUMBER AND PLYWOOD:
A. All concealed lumber and plywood products shall be pressure treated with fire retardant chemicals and kiln dried to a maximum 19% moisture content for lumber, and 15% for plywood.
B. Lumber to be manufacturer in accordance with the requirements of F.S. 20-94 American Softwood Lumber Standard.
2.2 ACCESSORIES:
A. Contact Adhesives: Water base type.
B. Wall Adhesive: Solvent release, cartridge type, compatible with wall substrate, capable of achieving durable bond.
C. Nails: Size and type to suit application, plain finish.
D. Bolts, Nuts, Washers, Blind Fasteners, Lags and Screws: Size and type to suit application; (plain) galvanized finish.
E. Lumber for Shimming, Blocking, and Reinforcing: Softwood lumber of Hem-Fir species.
F. Primer: Alkyd primer sealer type.
G. Wood Filler: Solvent base, tinted to match surface finish color.
2.3 WOOD TREATMENT:
A. Wood Treatment: Refer to Section 06100.
B. Acceptable Manufacturers:
1. Hoover Treated Wood Products, Inc.
2. Osmose Wood Preserving Co., Inc.
3. Koppers Co., Inc.
4. Hickson Corp.
2.4 EXPOSED WOOD TRIM:
A. Refer to plans for wood types and profiles.
2.5 HARDWARE:
A. Refer to Section 08700 for door hardware.
3 EXECUTION
3.1 EXAMINATION:
A. Verify that site conditions are ready to receive work.
B. Beginning of installation means acceptance of site conditions.
C. Carpenter contractor will be required to receive, store, and install all hardware and toilet room accessories. All keys are to be turned over to the owner's representative immediately upon receipt of the hardware. Properly tag all hardware for installation in the required location.
3.2 SURFACE MOUNTED FURRING OR CONCEALED BLOCKING:
A. Coordinate with all other trades and if necessary with owners separate forces to insure adequate surface mounted, furring, or blocking within the stud spaces is installed throughout the tenant space.
B. Secure all concealed members to support intended loads from attached items. Use hot dipped galvanized fasteners when in contact with fire retardant materials.
C. Adequately secure plywood backboard to wall construction as shown on the plans.
D. Install all exposed wood trim to A.W.I. Custom Quality Standards for the type of finish specified unless otherwise noted on plans.
E. Install wood doors and frames to manufacturer's requirements, or A.W.I. Custom Quality Standards, whichever is more stringent. Install fire-rated wood doors and frames to meet requirements of N.F.P.A. 80.
3.2 INSTALLATION OF ACCESSORIES:
A. Install work in accordance with A.W.I. Custom quality standard or applicable manufacturer's written installation instructions.
B. Set and secure materials and components in place, plumb and level.
C. Install components, trim, etc. with nails, screws, or bolts as required by mounting conditions or as noted on drawings.
D. Use adhesive by gun application where required by manufacturer.
E. Apply plastic laminate finishes where indicated. Apply appropriate backing sheet on reverse side of plastic laminate finished surfaces.
3.3 INSTALLATION OF DOORS AND HARDWARE:
A. Install wood doors and frames in accordance with manufacturer's instructions.
B. Maintain alignment with adjacent work.
C. Allow wood doors to become acclimated to site conditions prior to hanging.
D. When trimming of pre-hung doors will not be permitted.
E. When cutting of pre-hung doors, trim doors equally from both top and bottom edges.
F. Conform to S.I.N.I. (I.D.A. I.S.1.6-Hardware Locations for Wood Flush Doors and Frames) and N.F.P.A. 80 - Fire Doors and Windows requirements for the proper use, location, and installation of acceptable fire hardware.
G. Prepare wood doors to receive the approved scheduled hardware. Using proper sized bits, pilot drill screw and bolt holes for finish hardware.
H. Install hardware on all wood and hollow metal doors using screws and bolts supplied or specified by the hardware manufacturer. Securely anchor hardware in the correct position and alignment. Coordinate the installation of any glazing required in doors with glazing contractor.
I. Install any specified doors louvers not installed by manufacturer.

Section 06200 - Continued  
FINISH CARPENTRY

- 3.4 PREPARATION FOR SITE FINISHING:
A. Set exposed fasteners. Apply wood filler in exposed fastener indentations.
B. Site Finishing: Refer to Section 09900.
END OF SECTION
Section 07270  
FIRESTOPPING
1 GENERAL
1.1 DESCRIPTION OF WORK: This section includes, without limitation:
A. Firestopping all penetrations through fire-rated assemblies.
B. Complying with building codes and requirements of authorities having jurisdiction.
1.2 RELATED WORK: Without limitation, related work includes:
A. 09110 - Metal Stud Framing
B. 09290 - Gypsum Board Assemblies
1.3 PERFORMANCE REQUIREMENT: Provide U.L. tested firestopping assemblies which are applicable to each condition encountered, or in the absence of tested assemblies, provide firestopping assemblies as recommended by the firestopping system manufacturer's staff engineers and as approved by authorities having jurisdiction.
2 PRODUCTS
2.1 MINERAL FIBER FIRESAFING: U.S.G. "Thermafiber Safing Insulation" or equal.
2.2 FIRESTOPPING SEALANTS AND PUTTY: Provide the following or equal:
A. 3M Fire-Barrier FS-195 Wrap, CP-25 Caulk and Moldable Putty.
B. SOHIO Carborundum Fiberfax Fyre Putty.
C. Nelson Electric Company, FSP Firestop Putty, CLK firestop Sealant, CMP Firestop Compound.
D. Dow Corning Corporation, Silicone RTV Foam.
E. General Electric Company, Perisil 100 Sealant and 200 Foam.
F. Hill Construction Chemicals, Inc., CS240 Firestop Sealant and CS 2420 Intumescent Wrap.
G. International Protective Coatings Corporation, Flamesafe and KBS products.
H. Tremco, Fyre-Shield or Fyre-sil.
I. USG Firestop systems.
2.3 ACCESSORIES: Provide anchorage accessories and other components and accessories as needed to provide complete, effective firestopping systems complying with U.L. tested assemblies.
3 EXECUTION
3.1 INSTALLATION: Provide firestopping materials and thickness as required to maintain the fire-ratings of the assemblies into which the materials are installed. Strictly match U.L. tested assemblies. Install firestopping without gaps and voids of any kind.
A. Inspect firestopping work and repair or replace work which has been damaged, disturbed, or removed before firestopping is concealed or enclosed.
B. Provide U.L. tested firestopping assemblies, which are applicable to each condition encountered, or in the absence of tested assemblies, provide firestopping assemblies as recommended by the firestopping system manufacturer's engineers as approved by authorities having jurisdiction.
3.2 INSPECTION:
A. Inspect firestopping work and repair or replace work which has been damaged, disturbed, or removed before firestopping is concealed or enclosed.
END OF SECTION
Section 07900  
JOINT SEALERS AND FILLERS
1 - GENERAL
1.1 DESCRIPTION OF WORK: This section includes, without limitation:
A. Preparation of joints.
B. Sealing and filling of joints indicated and joints, seams, and intersections between dissimilar materials.
1.2 SUBMITTALS:
A. Submit the following in compliance with Divisions 0 and 1:
B. Samples for color selection.
1.3 INTENT:
A. The work of this section is intended to provide joint sealers which have no adhesive or cohesive failure, and to provide joint sealers with uniform, continuous appearance.
1.4 WARRANTY:
A. One year from Date of C of C; Include refitting & re-painting.
2 - PRODUCTS
2.1 COLORS:
A. Provide colors as selected by Architect from manufacturer as shown on the plans.
2.2 ACRYLIC LATEX - SEALANT TYPE 1:
A. Pecton Pecorac-20, Pecton Acrylic Latex or Sonneborne Sonokote. Provide acrylic latex sealant for typical interior joints.
2.3 POLYURETHANE - SEALANT TYPE 1:
A. Provide urethane sealant for exterior joints, or General Electric 1700. Provide separate substitutions for all interior joints in wet areas.
3 EXECUTION
3.1 INSTALLATION:
A. Clean joint surfaces immediately before installation. Remove all substances which could interfere with bond. Etch or roughen joint surfaces to improve bond. Provide backer rods for all liquid sealants to the greatest extent possible. Prevent three sided adhesion by use of bond breaker tapes or backer rods. Force sealant into joints to provide uniform, dense, continuous ribbons free from gaps and air pockets. Dry tool sealants to form a smooth dense surface. Make joint depth equal joint width for joints up to 1/2" wide. For joints over 1/2" wide, make depth equal to one-half of the joint width. Cure sealants in strict compliance with manufacturers' instructions and recommendations to obtain highest maximum adhesion.
END OF SECTION

Section 08111  
STANDARD STEEL FRAMES

- 1 GENERAL
1.1 SUMMARY
A. Section Includes:
1. Non-rated and fire rated rolled steel frames.
B. Related Sections:
1. Section 08112 - Standard Steel Doors.
2. Section 08210 - Wood Doors.
3. Section 08710 - Door Hardware.
4. Section 09910 - Paints and Coatings: Field painting of frames
1.2 QUALITY ASSURANCE:
A. S.D.I.-100 - Standard Steel Doors and Frames.
B. D.H.I. - Door Hardware Institute - The Installation of Commercial Steel Doors and Steel Frames, Insulated Steel Doors in Wood Frames and Builder's Hardware.
C. Fire Rated Door, Panel, and Frame Construction: ASTM E152 and Barrier-Free: ANSI A117.1.
1.3 SUBMITTALS
A. SUBMIT SHOP DRAWINGS AND PRODUCT DATA TO REQUIREMENTS OF SECTION 01300.
B. INDICATE ON SHOP DRAWINGS, FRAME CONFIGURATION, ANCHOR TYPES, AND SPACINGS, LOCATION OF CUTOUTS FOR HARDWARE, REINFORCEMENT, AND FINISH.
C. PROVIDE PRODUCT DATA ON STANDARD FRAME CONSTRUCTION AND FRAME ANCHORS.
2 PRODUCTS
2.1 ACCEPTABLE MANUFACTURERS:
A. Ceco Door Products.
B. Fenestra.
C. Armweld.
D. Republic.
E. Substitutions: To requirements of Division 1.
2.2 MATERIALS:
A. EXTERIOR FRAMES: MINIMUM 14 GAUGE MATERIAL, BASE METAL THICKNESS.
B. INTERIOR FRAMES: MINIMUM 16GAUGE MATERIAL, BASE METAL THICKNESS.
C. BUMPER: RESILIENT RUBBER.
D. GLAZING STOPS: ROLLED STEEL CHANNEL SHAPE, MITERED CORNERS, PREPARED FOR COUNTERSINK STYLE TAMPERPROOF SCREWS.
E. BITUMINOUS COATING: FIBERED ASPHALT EMULSION.
F. PRIMER: ZINC CHROMATE TYPE.
2.3 FABRICATION
A. FABRICATE FRAMES AS WELDED UNIT TYPE.
B. MULLIONS FOR DOUBLE DOORS: FIXED TYPE.
C. FABRICATE FRAMES WITH HARDWARE REINFORCEMENT PLATES WELDED IN PLACE.
D. Provide frames wider than 48 inches with roll formed steel channels fitted tightly into frame head, flush with top.
E. Provide three single silencers for single doors and mullions of double doors on strike side, and two single silencers on frame head at double doors without mullions.
F. All labeled frames shall have the appropriate metal identification label permanently attached.
G. Provide frames with a minimum of three anchors per jamb as required for the adjoining wall construction. Masonry anchors shall be 1/8" galvanized "T" shaped with 2" x 16" leg extending into masonry. Stud anchors shall be not less than 1/8 gauge steel.
2.4 FINISH
A. Exterior Units: one coat of baked on rust inhibiting primer on all surfaces plus one coat of bituminous paint on concealed surfaces.
B. Interior Units: rust inhibiting primer baked on.
3 EXECUTION
3.1 INSTALLATION:
A. Install frames to Section 0100.
B. Coordinate with masonry and masonry contractor for installation.
C. Frames with hardware reinforcement plates welded in place.
END OF SECTION
Section 08112  
STANDARD STEEL DOORS
1 GENERAL
1.1 SUMMARY
A. Section Includes:
1. Non-rated and fire-rated hollow metal doors, frames, and panels.
B. Related Sections:
1. Section 08710 - Door Hardware.
2. Section 09910 - Painting: Field painting of doors.
1.2 QUALITY ASSURANCE:
A. S.D.I.-100 - Standard Steel Doors and Frames.
B. D.H.I. - Door Hardware Institute - The Installation of Commercial Steel Doors and Steel Frames, Insulated Steel Doors in Wood Frames and Builder's Hardware.
C. Fire Rated Door, Panel, and Frame Construction: A.S.T.M. E152 and shall conform to appropriate regulatory agency requirements.
D. Handcapped: A.N.S.I. A117.1.
E. H.M.M.A. - Hollow Metal Manufacturers Association specification for commercial hollow metal doors and frames H.M.M.A. 861.
1.3 SUBMITTALS:
A. Submit shop drawings and product data to requirements of Section 01300.
B. Indicate on shop drawings, door elevations, internal reinforcement, closure method, and cut outs for glazing and louvers.
C. Provide product data on standard door and panel construction.
2 PRODUCTS
2.1 ACCEPTABLE MANUFACTURERS:
A. Ceco Door Products.
B. Fenestra.
C. Steelcraft.
D. Armweld.
E. Republic.
F. Substitutions: To requirements of Division 1.
2.2 DOORS:
A. Exterior Doors: S.D.I.-100 Grade I, Model 1.
B. Interior Doors: S.D.I.-100 Grade I, Model 1.
C. Door Core: Cardboard honeycomb for interior and polyurethane insulated foam at exterior.
D. End Closure: Channel, minimum 14 gauge, inverted.
E. Door Edges - Face sheets shall be joined at their vertical edges by continuous weld for the full height of door. Top and bottom edges shall be closed with a continuous channel of minimum of 16 gauge and spot welded to both face sheets.
2.3 FRAMES:
A. Exterior Frames - 14 gauge with hot dipped zinc coating.
B. Interior Frames - 16 gauge.
C. Fabricate to sizes and profiles as shown on drawings.

Section 08112 - Continued  
STANDARD STEEL DOORS

- 2.4 ACCESSORIES:
A. Silencers: Resilient rubber fitted into drilled hole. Provide a minimum of three (3) per strike jamb on all doors without weather stripping.
B. Glazing Stops: Rolled steel channel shape, mitered corners; prepared for countersink style tamperproof screws.
C. Bituminous Coating: Fibered asphalt emulsion.
D. Primer: Zinc chromate type.
2.5 FABRICATION:
A. Mullions for Double Doors: Fixed type.
B. Astragals: Metal T shaped astragals for double doors.
C. Fabricate doors with hardware reinforcement plates welded in place, drilled and tapped for hardware.
D. Fabricate frames in new wall construction as welded unit type and in existing wall construction as knockdown type.
E. Provide frames with a minimum of three (3) anchors per jamb. Type as dictated by adjacent wall construction.
F. Close top edge of exterior door with inverted steel channel closure. Seal joints watertight.
2.6 FINISH:
A. Primer: Baked on rust inhibiting primer compatible with finish coats.
B. Finish: See Painting Section 09910.
EXECUTION
3.1 INSTALLATION:
A. Install doors to S.D.I. 100.
B. Install accessories as indicated on drawings. Coordinate with contractors responsible for wall construction.
3.2 TOLERANCES:
A. Maximum Diagonal Distortion After Installation: 1/16" measured with straight edge, corner to corner.
B. Manufacturer's and installation tolerances shall be within H.M.M.A. guidelines.
END OF SECTION
SECTION 08210  
WOOD DOORS
1 GENERAL
1.1 SUMMARY
A. Section Includes:
1. Flush wood doors and transoms; panels; fire rated and non-rated.
2. Wood door louvers.
B. Related Sections:
1. Section 06200 - Finish Carpentry
2. Section 08112 - Standard Steel Frames.
3. Section 08710 - Door Hardware.
4. Section 09900 - Glazing.
5. Section 09110 - Paints and Coatings: Site finishing doors.
1.2 SUBMITTALS:
A. Submit under provisions of Section 01300.
B. Shop Drawings: Illustrate door opening criteria, elevations, sizes, types, swings, undercuts required, special beveling, special blocking for hardware, identify cutouts for glazing and louvers.
C. Product Data: Indicate door core materials and construction; veneer species, type and characteristics; factory machining criteria, and factory finishing criteria.
1.3 QUALITY ASSURANCE:
A. Perform work in accordance with AWI Quality Standard, Custom Grade.
B. Fire Door and Panel Construction: Conform to ASTM E152.
C. Installed Door and Panel Assembly: Conform to NFPA 80 for fire rated class as scheduled.
D. Finish doors in accordance with AWI Quality Standard, to grades identified in schedule.
1.4 REGULATORY REQUIREMENTS:
A. Installed Fire Rated Door Assembly: Conform to NFPA 80 for fire rated classes.
1.5 WARRANTY:
A. Provide a 3 year warranty to requirements of General Conditions.
B. Include coverage for determination of veneer, warping beyond specified installation tolerances, defective materials, and telegraphing core construction.
2 PRODUCTS
2.1 MANUFACTURERS:
A. OshKosh Architectural Doors.
B. Weyerhaeuser Door.
C. Fenestra Corporation.
D. Eggers Industries.
E. Substitutions: To requirements of Section 01300.
2.2 DOOR TYPES:
A. Flush Interior Doors: solid core construction, fire rated, acoustic rated, as indicated.
2.3 DOOR CONSTRUCTION:
A. Core Solid, Non-Rated: NWWDA, Type Solid particleboard core.
B. Core Hollow: AWI, Type Standard.
2.5 ACCESSORIES:
A. Wood louvers:
1. Material and Finish: to match door face species.
2. Louver Blade: Flush.
B. Glazing Stops: Wood, of same species as door facing.
2.6 FABRICATION:
A. Fabricate non-rated doors to AWI requirements.
B. Fabricate fire rated doors in accordance with AWI standards and to UL requirements.
C. Sound Rating For Single Door Leaf and Frame Assembly: ASTM E413, minimum STC 35.
D. Provide lock blocks at lock edge and top of door for closer to hardware reinforcement.
E. Vertical Exposed Edge of Stiles: Of same species as veneer facing.
F. Fit door edge trim to edge of stiles after applying veneer facing.
G. Bond edge banding to cores.
H. Factory machine doors for finish hardware in accordance with hardware requirements and dimensions. Do not machine for surface hardware. Provide solid blocking for through bolted hardware.
I. Factory pre-fit doors for frame opening dimensions identified on shop drawings.
2.7 FINISH:
A. Factory finish doors in accordance with approved sample.

Section 08210 - Continued  
WOOD DOORS

- 3 EXECUTION
3.1 INSTALLATION:
A. See Finish Carpentry Section 06200 for wood door installation.
B. Trim non-rated door width by cutting equally on both jamb edges.
C. Trim door height by cutting bottom edges to a maximum of 19 mm.
D. Machine cut for hardware. Core for handsets and cylinders.
E. Coordinate installation of glass and glazing.
F. Install door louvers, plumb and level.
G. Adjust door for smooth and balanced door movement.
3.2 INSTALLATION TOLERANCES:
A. Conform to NWWDA requirements for fit and clearance tolerances and maximum diagonal distortion.
END OF SECTION
Section 08710  
DOOR HARDWARE
1 GENERAL
1.1 SUMMARY
A. Section Includes:
1. Hardware: Wood and hollow metal doors.
B. Related Sections:
1. Section 06200 - Finish Carpentry
2. Section 08112 - Standard Steel Frames.
3. Section 08210 - Wood Doors.
1.2 COORDINATION:
A. Coordinate work of this section with other directly affected sections involving manufacturer of and internal reinforcement for door hardware.
B. Provide templates to manufacturers of components affected by hardware.
1.3 QUALITY ASSURANCE:
A. AHC - Association of Hardware Consultants.
B. Hardware Supplier: Company specializing in supplying commercial door hardware with minimum 5 years documented experience.
C. Hardware Supplier Personnel: Employ an AHC (Architectural Hardware Consultant) to supervise the work of this section.
1.4 REGULATORY REQUIREMENTS:
A. Conform to UL requirements for fire rated doors, frames, and hardware.
B. Notify Architect if any specified hardware item is in conflict with any applicable code provision.
1.5 SUBMITTALS:
A. Submit shop drawings and product data to requirements of Section 01300.
B. Indicate on shop drawings, locations and mounting heights of each type of hardware, and accessories.
C. Supply templates to door and frame manufacturers to enable accurate sizes, locations of cut outs, and reinforcement for hardware.
D. Provide product data on specified hardware.
1.6 EXTRA STOCK AND SPARE PARTS:
A. Provide one extra key lock cylinder for each master keyed group.
1.7 MAINTENANCE MATERIALS:
A. Provide special wrenches and tools applicable to each different or special hardware component.
B. Provide maintenance tools and accessories supplied by hardware component manufacturer.
2 PRODUCTS
2.1 ACCEPTABLE MANUFACTURERS:
A. See door and hardware schedule on drawings for acceptable suppliers.
3 EXECUTION
3.1 EXAMINATION:
A. Verify that door and frame components are ready to receive work and dimensions are as indicated on shop drawings.
B. Verify that proper power supply is available to power operated devices.
C. Beginning of installation means acceptance of site conditions.
3.2 INSTALLATION:
A. Install hardware to manufacturer's instructions and requirements of ANSI/DHI.
B. Use the templates provided by hardware item manufacturer.
C. Maintain heights from finished floor to center line of hardware item per ANSI/DHI and ADA standards.
3.3 SCHEDULE:
A. See drawings for hardware schedule
END OF SECTION

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Certification:  
I HEREBY CERTIFY THAT THESE  
PLANS WERE PREPARED BY ME AND OR  
UNDER MY SUPERVISION AND TO THE BEST  
OF MY KNOWLEDGE THEY CONFORM TO CODES AND  
ORDINANCES OF THE MUNICIPALITY



ARCHITECTURAL REG: 5090  
EXP. DATE: JUNE 30, 2018  
DATE SIGNED: APRIL 06, 2018

Consultants:  
RETAIL DESIGN CONSULTANT

JGA Inc.  
25355 Northwestern Hwy  
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Southfield, MI 48034 USA  
248 355 0890  
248 355 0895 Fax  
www.jga.com

JGA Prj #: 1-218-082

Project Location:  
Soft Surroundings  
BILTMORE VILLAGE  
10 BROOK STREET  
SPACE #160  
ASHEVILLE, TN 28803  
4,740 SQUARE FEET

DRAWINGS ISSUED FOR:  
 programming  
 schematic des.  
 design dev.  
 bidding  
 permits/UL review 04-06-18  
 construction

REVISIONS:

Prj. no. 8-218-030  
Drawn RM - GV  
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Drawing title:  
ARCHITECTURAL SPECIFICATIONS

Sheet no.  
A-0.2