

UNIT MASONRY

PART 1 - GENERAL
SECTION REQUIREMENTS
A. Drawings and general provisions of the Contract including General Conditions apply to this Section.
B. Furnish and install new brick.
C. Submit samples for brick.
D. Comply with ACI 530.1/ASCE 6/TMS 602.
PART 2 - PRODUCTS
MASONRY UNITS
A. Brick:
1. As selected by architect from stated allowance.
2. Size: modular.
3. Provide Solid brick with exposed surfaces finished for ends of sills and caps.
4. Provide Special shapes for applications where shapes produced by sawing would result in sowed surfaces being exposed to view.
MORTAR
B. Mortar:
2. For masonry below grade, in contact with earth, reinforced masonry, and where indicated, use Type S.
3. For exterior, above-grade, load-bearing and non-load-bearing walls and parapet walls; for interior load-bearing walls; for interior non-load-bearing partitions, and for other applications where another type is not indicated, use Type N.
4. As selected by architect
JOINT REINFORCEMENT, TIES, AND ANCHORS
A. Veneer Anchors: 2-piece adjustable masonry veneer anchors allowing vertical or horizontal differential movement between veneer and wall framing parallel to plane of wall but resisting tension and compression forces perpendicular to it, for attachment over sheathing to studs, and acceptable to authorities having jurisdiction.
EMBEDDED FLASHING MATERIALS
A. Use reinforced EPDM membrane flashing at doors and windows. See door and window details.
MISCELLANEOUS MASONRY ACCESSORIES
A. Weep Holes: Cotton sash cord, 24 inches (600 mm) long.
B. Masonry Cleaner: 1/2-cup (0.14-L) tetrasodium polyphosphate and 1/2-cup (0.14-L) laundry detergent dissolved in 1 gal. (4 L) of water.
PART 3 - EXECUTION
INSTALLATION, GENERAL
A. Before placing any masonry and prior to purchasing the brick for the project, the contractor shall build a 3' x 3' mock-up of the brick veneer and the stone for the owner's final approval. The cost of the labor and materials of the mock-up shall be by the contractor. Contractor shall include in his price the cost of three (3) mock-ups.
B. Cut masonry units with motor-driven saws. Install cut units with cut surfaces and, where possible, cut edges concealed.
C. Mix units for exposed unit masonry from several pallets or cubes as they are placed to produce uniform blend of colors and textures.
D. Stopping and Resuming Work: In each course, rack back units; do not tooth.
E. Tool exposed joints slightly concave when thumbprint hard, or match existing mortar joints.
F. Keep cavities clean of mortar droppings and other materials during construction. Strike joints within the cavities flush.
G. Provide vertical expansion joints in brick veneer wall where shown on building elevations. Joint to be minimum 3/4" wide and shall run full height of wall. Provide backer rod and sealant at expansion joints.
LINTELS
A. Install galvanized steel lintel angles where indicated. See structural drawings and other specifications.
B. Minimum bearing of 8 inches (200 mm) at each jamb, unless otherwise indicated.
FLASHING AND WEEP HOLES
A. Install embedded flashing and weep holes in masonry at shelf angles, lintels, ledges, other obstructions to the downward flow of water in the wall, and where indicated.
B. Place through-wall flashing on sloping bed of mortar and cover with mortar. Seal penetrations in flashing before covering with mortar.
1. Extend flashing 4 inches (100 mm) into masonry at each end and turn up 2 inches (50 mm) to form a pan.
C. Trim wicking material used in weep holes flush with outside face of wall after mortar has set.
CLEANING
A. Clean masonry veneer as work progresses. Remove mortar fins and smears before tooling joints.
B. Final Cleaning: After mortar is thoroughly set and cured, remove large mortar particles and scrub unit masonry.
1. Wet wall surfaces with water, apply cleaner, then remove cleaner by rinsing thoroughly with clear water.
END OF SECTION

FINISH CARPENTRY

SUMMARY
A. This Section includes interior wood trim and finishes.
INTERIOR ARCHITECTURAL WOODWORK
SECTION REQUIREMENTS
1. Quality Standards: Architectural Woodwork Institute's "Architectural Woodwork Quality Standards".
2. Environmental Limitations: Do not deliver or install woodwork until building enclosure wet-work is complete, and HVAC system is operating.
B. INTERIOR WOOD WORK
1. Interior Standing and Running Trim for stained Finish: Bottom Grade, made from birch.
2. See drawings for molding profiles and general design of wood trim and panels.
3. Installation
a. Condition woodwork to prevailing conditions before installing.
b. Install woodwork to comply with AWI Section 1700 for finish specified.
c. Install woodwork level, plumb, true, and straight. Shim as required with concealed shims. Install to a tolerance of 1/8" in 96" (3 mm in 2400mm) for level and plumb.
d. Trim and cut woodwork to fit adjoining work, seal cut surfaces, and repair finish at cut.
e. Install trim in minimum number of joints possible, using full-length pieces to the greatest extent possible. Stagger joints in adjacent and related members.
MISCELLANEOUS PRODUCTS
A. Fasteners: Size and type as specified. Where rough carpentry is exposed to weather, in ground contact, or in area of high relative humidity, provide fasteners with a hot-dip zinc coating.
INSTALLATION
A. Fit rough carpentry to other construction; scribe and cope for accurate fit. Correlate location of furring, blocking, and similar supports to allow attachment of other construction.
B. Securely attach rough carpentry work to substrate by anchoring and fastening with screws.
C. Use hot-dip galvanized or stainless-steel fasteners where rough carpentry is exposed to weather, in ground contact, or in area of high relative humidity.
END OF SECTION

PLASTIC LAMINATE CASEWORK SPECIFICATIONS

PART 1 - GENERAL
1.01 SCOPE OF WORK
A. Provide all plastic laminate casework and accessory items as specified herein. Refer to plans for specific details and requirements.
B. General Conditions: The General Conditions shall apply to all work in this Division.
C. Quality Standards: Architectural Woodwork Institute's "Architectural Woodwork Quality Standards".
D. Environmental Limitations: Do not deliver or install woodwork until building is enclosed, wet-work is completed, and HVAC system is operating.
1.03 SUBMITTALS
A. Submit in accordance with General Conditions.
B. Submit shop drawings for approval. Show materials, dimensions, cabinet-cut details, and sink locations.
C. Laminale and solid surface selection to be made by architect from full range of manufacturers product selections.
1.04 QUALIFICATIONS
A. Manufacturers of at least 5 years experience and installations for similar type of project.
PART 2 - PRODUCTS
2.01 GENERAL
A. Complete fabrication before shipping to project site to maximum extent possible. Disassemble only as needed for shipping and installing. Where necessary for fitting at project site, provide for scribing and trimming.
B. The following performance details are project requirements.
1. Lamination System: Doors, finished end panels, and other decorative exterior laminate surfaces shall be laminated with high-pressure plastic laminate, and interior surfaces shall also be finished with plastic laminate.
2. Structural Cabinet Body: Cabinet backs shall be minimum 1/2 inch (12.7 mm) thick, inset from rear of body, and fully bound (dadoed) four sides. Provide 3/4 inch (19.1 mm) thick stiffeners fastened to back/body as specified herein. Back perimeter shall be toe-nailed with mechanical fasteners for light interior fillet and direct connection of back panel to body, and sealed with full-perimeter high-strength hot-melt adhesive.
3. Interior Structure: All cabinets over 36 inches (914 mm) wide shall be furnished with a mechanically fastened vertical divider to reduce horizontal member/shelf deflection. Wall cabinets shall have a clear inside nominal depth of 12 inches (305 mm) unless detailed otherwise.
4. Shelf Loading: Shelves shall meet the loading/deflection standards of the National Particleboard Association.
5. Structural Cabinet Support: Cabinet sub-base shall be of a separate and continuous loddertype platform design, leveled and floor mounted prior to cabinet body placement. Material shall be exterior grade plywood. No cabinet sides-to-floor will be allowed.
2.02 MATERIALS
A. Casework:
1. Laminale Clad Casework, see Room Finish Schedule for locations.
2. AWI Quality Grade: Custom
3. Construction Details: Flush Overlay - Euro Style - 32 MM
4. Exposed Surfaces: Laminale
5. Semi-Exposed Surfaces: Laminale
6. Melamine Clad Casework, see Room Finish Schedule for locations.
6.1. Exposed Surface: Melamine
6.2. Semi-Exposed Surfaces: Melamine
B. Countertops:
1. Plastic Laminale Countertops
a. Use plastic laminale countertops where called for on plans.
b. Edges and backplash to be square edge. (No rolled formed countertops allowed)
c. Material: Wilsonart, Formica, or equal
d. Submit samples for color selection.
2. Solid Surface Countertops
a. Use solid surface countertops where called for on plans.
b. Edges and backplash to be some material.
c. Material: Corian or equal
d. Submit samples for color selection.
C. Hardware:
1. Drawer Box: Blum Steel Metabox 320M series
2. ADJ. Shelf Clips: Blum #340040 with steel pin
3. Hinges: Salice #100 200 F; Concealed, Self-Closing
4. Pulls: Stanley 4483 1/2; steel wire pull; chrome finish
5. Plastic grommets in top for power and data. Locate where indicated on plan or near completion of project.
6. Keyboard trays.
7. Bracket for wall mounted counters, EXCEPT at restrooms: Knape and Vogt Z-Bracket, WH 550, ultimate L-Bracket, white.
8. Bracket for wall mounted RESTROOM counters: Knape and Vogt Z-Bracket, WH 550, ultimate L-Bracket, black.
9. Stand-Off System: Gyford Standoff System, Aluminum, 3" diameter, 1 1/2" length
PART 3 - EXECUTION
3.01 COORDINATION
A. Coordinate work of this Section with related work of other Sections as necessary to obtain proper installation of all items.
B. Verify site dimensions of cabinet locations in building prior to fabrication.
3.02 INSTALLATION
A. Storage and Protection: Casework shall be protected in transit. Store under cover in a ventilated building not exposed to extreme temperature and humidity changes. Do not store or install casework in building until concrete, masonry, and drywall/plaster work is dry.
B. Workmen: Install casework under the supervision of the manufacturer.
C. Workmanship:
1. Place casework straight, level and plumb and securely anchor in place. Scribe and closely fit to adjacent work. Cut and fit work around pipes, ducts, etc. Seal cut surfaces, and repair damaged finish at cut.
2. Install cabinets level, plumb, true, and straight. Shim as required with concealed shims. Install to a tolerance of 1/8 inch in 96 inches (3 mm in 2400 mm) for level and plumb.
3. Anchor countertops securely to base units. Seal space between backplash and wall.
4. Ensure that wood blocking is provided in wall for fastening of casework before installation.
5. Install all items complete and adjust all moving parts to operate properly.
6. Leave surfaces clean and free from defects at time of final acceptance.
B. Guarantee: All materials shall be guaranteed for a period of 5 years from manufacturer's defects and workmanship.
C. Clean Up: Remove all cartons, debris, sawdust, scraps, etc., and leave spaces clean and all casework ready for Owner's use.
END OF SECTION

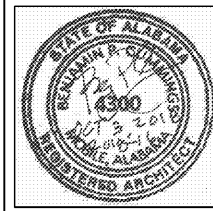
ASPHALT SHINGLES

PART 1 GENERAL
1.1 SECTION INCLUDES
A. Granule surfaced asphalt shingle roofing.
B. Moisture shedding underlayment, eaves, valley and ridge protection
C. Associated metal flashing
1.3 REFERENCES
A. ASTM A 653/A 653M - Standard Specification for Steel Sheets, Zinc-Coated (Galvanized) or Zinc-Iron-Alloy-Coated (Galvannealed) by the Hot-Dip Process
B. ASTM B 209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate 13700-2
C. ASTM B 370 - Standard Specification for Copper Sheet and Strip for Building Construction.
D. ASTM D 225 - Standard Specification for Asphalt Shingles (Organic Felt) Surfaced with Mineral Granules.
E. ASTM D 226 - Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing.
F. ASTM D 1970 - Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials used as Sleep Roofing Underlayment for Ice Dam Protection.
G. ASTM D 3018 - Standard Specification for Class A Shingles Surfaced with Mineral Granules.
H. ASTM D 3161 - Standard Test Method for Wind Resistance of Asphalt Shingles (Fan-Induced Method).
I. ASTM D 3462 - Standard Specification for Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules.
J. ASTM D 4586 - Standard Specification for Asphalt Roof Cement, Asbestos-Free.
K. ASTM D 4869 - Standard Specification for Asphalt-Saturated Organic Felt Shingle Underlayment Used in Roofing.
L. ASTM D 6757 - Standard Specification for Inorganic Underlayment for Use with Steep Slope Roofing Products.
M. ASTM E 108 - Standard Test Methods for Fire Test of Roof Coverings
N. ASTM G 21 - Determining Resistance of Synthetic Polymers to Fungus
1.4 SUBMITTALS
A. Submit under provisions of General Conditions.
B. Product Data: Provide manufacturer's printed product information indicating material characteristics, performance criteria and product limitations.
C. Manufacturer's Installation Instructions: Provide published instructions that indicate preparation required and installation procedures.
D. Certificate of Compliance: Provide Certificate of Compliance from an independent laboratory indicating that the asphalt fiberglass shingles made in normal production meet or exceed the requirements of the following:
1. ASTM E 108/UL 790 Class A Fire Resistance 13700-3
2. ASTM D 3161/UL 997 Wind Resistance.
3. ASTM D 3462
1.5 QUALITY ASSURANCE
A. Installer Minimum Qualifications: Installer shall be licensed or otherwise authorized by all federal, state and local authorities to install all products specified in this Section.
B. Installer shall perform work in accordance with NRCA Roofing and Waterproofing Manual.
C. Maintain one copy of manufacturer's application instructions on the project site.
D. Verify that manufacturer's label contains references to specified ASTM standards
1.6 DELIVERY, STORAGE, AND HANDLING
A. Store Products in manufacturer's unopened packaging until ready for installation.
B. Deliver shingles to site in manufacturer's unopened labeled packages. Promptly verify quantities and conditions. Immediately remove damaged products from site.
1.7 PROJECT CONDITIONS
A. Anticipate and observe environmental conditions (temperature, humidity and moisture) within limits recommended by manufacturer for optimum results. Do not install products under environment conditions outside manufacturer's absolute limits.
B. Extra Material - Furnish
C. Provide 100 square feet of extra shingles each color specified.
1.8 WARRANTY
A. Manufacturer's Warranty: Furnish single manufacturer's warranty for the product listed below:
3. CertainTeed Landmark AR: Lifetime Limited Warranty
B. Warranty Supplement: Provide manufacturer's supplemental warranty (CertainTeed's SureStart or Suresort) covering cover labor and materials in the event of a material defect for the following periods: (See complete list of application of shingles:
1. First ten Years (All Lifetime Warranty products)
2. Lifetime (Suresort)
C. Warranty Transferability Clause: Not available to Owner shingle manufacturer's standard
D. Option for transferring warranty to new owner
E. Wind Uplift Upgrade to 130 mph for first 15 years provided all manufacturers' conditions and instructions are met by contractor.
END OF SECTION

PART 2 PRODUCTS

2.1 MANUFACTURERS
Acceptable Manufacturer: Provide products manufactured by the CertainTeed Corporation. Contact Sales Support Group P.O. Box 860 Valley Forge, PA 19482 Toll Free 800-233-8990
A. Substitutions: Not permitted
2.2 ASPHALT FIBERGLASS SHINGLES
A. CertainTeed Landmark AR: Conforming to ASTM D 3018 Type 1 - Self Sealing; UL Certification of ASTM D 3462, ASTM D 3161/UL997 80 mph Wind Resistance and UL Class A Fire Resistance, glass fiber mat base, ceramically colored/UV resistant mineral surface granules across entire face of shingle; two piece laminated shingle, algae resistant.
B. Weight 260-265 pounds per square (100 square feet) (12.9kg/sq m).
C. Color: As selected by Architect from manufacturer's standards.
2.3 SHEET MATERIALS
A. Underlayment: CertainTeed Diamond Deck ASTM D 226 and ASTM D 4869 synthetic polymer-based scrim reinforced underlayment designed for use on roof decks as a water-resistant layer beneath asphalt shingles, wood shingles, and shakes, metal shingles or slate.
2.4 FLASHING MATERIALS
A. Sheet Flashing: ASTM B 209; 0.025 (0.63mm) thick aluminum, Kynar finish.
2.5 ACCESSORIES
A. Nails: Standard round wire type roofing nails, corrosion resistant; hot dipped zinc coated steel, aluminum or chromated steel; minimum 3.8 inch (96 mm) head diameter minimum 11 or 12 gage (2.5mm) shank diameter; shank to be sufficient length to penetrate through the roof sheathing or 3/4 inch (19mm) into solid wood, plywood or non-veneer wood decking.
B. Asphalt Roofing Cement: ASTM D 4586, Type I
2.6 FLASHING FABRICATION
A. Form flashing to profiles indicated on Drawings and protect exposed materials from physical damage and shed water.
B. Form sections square and accurate to profile in maximum possible lengths, free from distortion or defects detrimental to appearance or performance.
PART 3 EXECUTION
3.1 EXAMINATION
A. Verify existing site conditions.
B. Verify that all penetrations and plumbing stacks are in place and flashed to deck surfaces.
C. Verify deck surfaces are dry and free of ridges, warps or voids.
3.2 ROOF DECK PREPARATION
A. Follow shingle manufacturer's recommendations for acceptable roof deck material. Broke clean deck surfaces under eave protection and underlayment prior to their application.
3.3 INSTALLATION - COLLECTIVE UNDERLAYMENT
A. Roof Slope 4:12 or Greater: Install one layer of asphalt felt shingle underlayment perpendicular to slope of roof and lap minimum 4 inches over eave protection.
B. Weather-lap and seal watertight with asphalt roofing cement items projecting through or mounted on roof. Avoid contact or solvent-based cements with WinterGuard and Diamond Deck
3.4 INSTALLATION - VALLEY PROTECTION
A. For "closed-cut" valleys, and "open" valleys, first place one ply of 13700-8 WinterGuard, minimum 36 inches (910 mm) wide, centered over valleys. Lap joints minimum 6 inches (152 mm) Follow instructions of shingle on waterproofing membrane manufacturer.
3.5 INSTALLATION - METAL FLASHING
A. Weather-lap joints minimum 2 inches (50 mm).
B. Seal work projecting through or mounted on roof with asphalt roofing cement and make weather tight.
3.6 INSTALLATION - ASPHALT SHINGLES
A. Install shingles in accordance with manufacturer's instructions for product type and application specified.
3.7 FIELD QUALITY CONTROL
A. Visual inspection of the work will be provided by Architect.
3.8 PROTECTION OF FINISHED WORK
A. Protect finished work.
B. Do not permit traffic over finished roof surface.
END OF SECTION

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SHEET NAME
ARCHITECTURAL SPECIFICATIONS

PROJECT NO. 2018-16
DATE OCTOBER 3, 2018
SHEET NO.

A0.2