

GENERAL ARCHITECTURAL SPECIFICATIONS

GENERAL NOTES

- GENERAL CONTRACTOR SHALL ENSURE EACH OF THE FOLLOWING HAVE BEEN REVIEWED BY THE MANUFACTURER FOR COMPLIANCE WITH LOCAL CONDITIONS/REQUIREMENTS PRIOR TO BIDDING/ORDERING/INSTALLING: ROOFING, DOORS, WINDOWS/STOREFRONT, GLAZING, DOOR HARDWARE, PAINT, AND FIRE EXTINGUISHERS.
- GENERAL CONTRACTOR SHALL PROVIDE SUBMITTALS / SHOP DRAWINGS FOR EACH PRODUCT LISTED UNDER ARCHITECTURAL SPECIFICATIONS. ALL SUBMITTALS / SHOP DRAWINGS ARE TO BE APPROVED BY THE OWNER AND/OR THE A/E PRIOR TO ORDERING.
- PROVIDE MANUFACTURER'S STANDARD WARRANTY FOR ALL SPECIFIED PRODUCTS.
- ALL EXTERIOR SIGNAGE, LIGHT BARS, AWNINGS, AND SCONCES BY OTHERS.
- ALL FURNITURE AND EQUIPMENT BY OTHERS. COORDINATE PLACEMENT WITH OWNER PRIOR TO ROUGHING IN REQUIRED UTILITIES.
- ALL COMPARABLE PRODUCTS TO BE REVIEWED AND APPROVED BY THE OWNER PRIOR TO BID.
- GC SHALL BE RESPONSIBLE FOR CHECKING WITH THE LOCAL AHJ ON ANY DEFERRED SUBMITTALS THAT MAY BE REQUIRED TO BE APPROVED BY THE AHJ PRIOR TO CONSTRUCTION.

DIVISION 04 - MASONRY

042200 - Concrete Unit Masonry

Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by Block USA or a comparable product by an approved manufacturer.

Products:

- A. Concrete Masonry Units
 - i. Finish: Smooth and split-face
 - ii. Min. Compressive Strength: See Structural
 - iii. Density Classification: See Structural
 - iv. Provide types, shapes and sizes as indicated

Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by Echelon Masonry or approved comparable product by an approved manufacturer.

Products:

- B. Structural Half-Highs
 - i. Quik-Brik
 - ii. Size: 8x4x16
 - iii. Color: Richfield

Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by Cemex or an approved comparable product by an approved manufacturer.

Products:

- C. Mortar
 - i. Type: See Structural
 - ii. Color: Gray at cmu and structural half-highs

Subject to compliance with requirements, provide products indicated below:

Products:

- D. Joint Reinforcement
 - i. Type: Hot dipped galvanized, carbon steel (truss)
 - ii. Size: 0.187" diameter
 - iii. Length: Not less than 10'

DIVISION 05 - METALS

055000 - Metal Fabrications

Products:

- A. Concrete-filled Steel Pipe Bollards
 - i. Material: Schedule 40 steel pipe
 - ii. Height: 3'-6"
 - iii. Diameter: 4"
 - iv. Finish: Painted (See Finish Schedule)

Installation:

See drawings for installation details.

055113 - Metal Pan Stairs

Delegated Design: Engage a qualified professional engineer to design stairs and railings and provide sealed calculations and drawings.

Products:

- A. Metal Pan Stairs
 - i. Steel Sheet Thickness: 0.067" minimum
 - ii. Uniform Load: 100 lb/ft²
 - iii. Concentrated Load: 300 lb applied on an area of 4 sq. in.
 - iv. Finish: Painted (See Finish Schedule)
 - v. Uniform and concentrated loads need not be assumed to act concurrently.
 - vi. Stair Framing: Capable of withstanding stresses resulting from railing loads in a normal loads specified above.

055213 - Pipe and Tube Railings

Delegated Design: Engage a qualified professional engineer to design stairs and railings and provide sealed calculations and drawings.

Products:

- A. Handrails & Top Rails of Guards
 - i. Rails and Posts: 1 1/2" diameter
 - ii. Uniform Load: 50lb/ft in any direction.
 - iii. Concentrated Load: 200 lb applied in any direction
 - iv. Uniform and concentrated loads need not be assumed to act concurrently.
 - v. Type: F or S
 - vi. Material: Schedule 40
 - vii. Finish: Painted (See Finish Schedule)
 - viii. Seismic Performance: See Structural

DIVISION 05 - METALS (CONTINUED...)

- B. Infill of Guards
 - i. Concentrated Load: 50 lb/ft applied horizontally on an area of 1 SF.
 - ii. Infill load and other loads need not be assumed to act concurrently.

Installation:

Install stairs and railings according to manufacturers' written instructions and with welded connections.

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

061000 - Rough Carpentry

Products:

- A. Framing with Dimensional Lumber (Interior Non-Load-Bearing)
 - i. Thoroughly Dried
 - ii. No. 2 Southern Yellow Pine or No. 2 Douglas Fir
 - iii. Of sizes, shapes, and lengths required.
 - iv. Moisture content shall not exceed 19% at time of installation
- B. Miscellaneous Lumber (e.g. Blocking, Furring, etc.)
 - i. Thoroughly Dried
 - ii. No. 2 Southern Yellow Pine or No. 2 Douglas Fir
 - iii. Of sizes, shapes, and lengths required.
 - iv. Moisture content shall not exceed 19% at time of installation
- C. Temporary Bracing, Shoring, etc. as required
 - i. Thoroughly Dried
 - ii. No. 2 Southern Yellow Pine or No. 2 Douglas Fir
 - iii. Of sizes, shapes, and lengths required.
 - iv. Moisture content shall not exceed 19% at time of installation
- D. Wood Fascia Board (inc. frieze board)
 - i. Thoroughly Dried
 - ii. No. 2 Southern Yellow Pine or No. 2 Douglas Fir
 - iii. Of sizes, shapes, and lengths required.
 - iv. Moisture content shall not exceed 19% at time of installation
 - v. Painted (See Finish Schedule)
- E. Plywood (Ceilings)
 - i. Plywood Type: Exposure 1
 - ii. Plywood Grade: AC
 - iii. Thickness: As indicated on drawings
 - iv. Square Edge
 - v. Provide batten strips as indicated on drawings
 - vi. Painted (See Finish Schedule)
 - vii. Class: C Fire Rating
 - viii. Flame Spread Rating 76-200 / Smoke Developed Index <450
- F. Plywood decking (roof)
 - i. Plywood Type: Exposure 1
 - ii. Plywood Grade: BC
 - iii. Thickness: As indicated on drawings
 - iv. Square Edge

Note:

- All plywood which has any edge or surface permanently exposed to the weather shall be of the exterior type.
- All wood exposed to weather and/or in contact with masonry or concrete shall be pressure-treated lumber.

061533 - Composite Decking

Products:

- A. Plastic Decking for Dumpster Enclosure Doors
 - i. Composite plastic lumber
 - ii. Solid shapes made from a mixture of cellulose fiber and polyethylene or polypropylene.
 - iii. Surface Texture: Smooth.
 - iv. Color: See dumpster details.
 - v. Size: See dumpster details.

Installation:

Install plastic decking according to manufacturers' written instructions.

064116 - Plastic-Laminate-Faced Architectural Cabinets

Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by DBIW, LLC or a comparable product by an approved manufacturer.

Products:

- A. Plastic-Laminate Faced Architectural Cabinets
 - i. See details on Sheet G301.

Installation:

Install plastic laminate according to manufacturers' written instructions.

Products:

- B. Cabinet Hardware
 - i. See details on Sheet G301.

Installation:

Install cabinet hardware according to manufacturers' written instructions.

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

071900 - Water Repellents

Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by GhoshShield or a comparable product from an approved manufacturer.

Products:

- A. Water Repellent
 - i. Silixa-Tek 8500
 - ii. Color: Clear

Installation:

Install water repellents according to manufacturers' written instructions.

072100 - Thermal Insulation

Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by Owens Corning, or a comparable product by one of the following:

- Johns Manville
- CertainTeed

Products:

- A. Kraft Faced (Vapor Retarder) Batt Insulation:
 - i. EcoTouch PINK Fiberglass Insulation
 - ii. R-13 & R-20; where indicated
- B. Unfaced Batt Insulation:
 - i. Eco Touch PINK Fiberglass Insulation
 - ii. R-30 & R-38; where indicated
- C. Eave Ventilation Troughs:
 - i. Preformed, rigid fiberboard or plastic sheets designed and sized to fit between roof framing members and to provide ventilation between insulated attic space and vented eaves.

Installation:

Install insulation and accessories according to manufacturers' written instructions.

072600 Vapor Retarders

Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by Reef Industries, or a comparable product by an approved manufacturer.

Products:

- A. Reinforced Under Slab Vapor Retarder:
 - i. Griffon 10 Mil Green
 - ii. Thickness: 10 mil
 - iii. Max Perm Rating: 0.1 perm
 - iv. Lap: 12" and tape with manufacturer recommended tape

Installation:

Install vapor retarders according to manufacturers' written instructions.

072726 - Fluid-Applied Membrane Air Barriers

Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by W.R. Meadows, or a comparable product by an approved manufacturer.

Products:

- A. Liquid Membrane Air/Vapor & Liquid Moisture Barrier
 - i. Air-Seal LM

Installation:

Install fluid applied membrane air barriers according to manufacturers' written instructions.

074113.16 - Standing-Seam Metal Roof Panels

Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by Berridge Manufacturing Co. or comparable product by an approved manufacturer.

Products:

- A. Metal Panel: Cee-Lock (Florida Product Approval: FL#11269.1) (Texas Department of Insurance: TDI#RC-209)
 - i. Structural Performance: Provide metal panel systems capable of withstanding the effects of the following loads, based on testing according to ASTM E 1592.
 - a. Wind Loads: See Structural.
 - b. Other Design Loads: See Structural.
 - c. Deflection Limits: See Structural.
 - ii. Air Infiltration: Air leakage of not more than 0.06 cfm/sq. ft when tested according to ASTM E 1680 and ASTM E 283 at the following test-pressure difference:
 - a. Test-Pressure Difference: 6.24 lb/ft².
 - iii. Water Penetration under Static Pressure: No water penetration when tested according to ASTM E 1646 and ASTM E 331 at the following test-pressure difference:
 - a. Test-Pressure Difference: 15 lb/ft².
 - iv. Wind-Uplift Resistance: Provide metal roof panel assemblies that comply with UL 580 for wind-uplift-resistance class indicated.
 - a. Uplift Rating: UL 90
 - v. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects.
 - a. Nominal Thickness: 24 gage
 - b. Finish: Two-coat fluoropolymer.
 - c. Color: See Finish Schedule (verify sample with Owner prior to ordering)
 - d. Panel Coverage: 16.5 inches
 - e. Panel Height: 1.5 inches
 - f. Slope: As indicated on roof plan
- B. Underlayment
 - i. Two layers of 15# felt.
- C. Snowguards
 - i. Provide snowguards at gutters if required by AHJ.
- D. Ridge/Hip Cap
 - i. Provide preformed ridge/hip cap by roofing manufacturer.
 - ii. Color: Match Roof Color.
 - iii. Material: Match Roof.
- E. Roof Vents
 - i. Provide roof mounted REBE downblast propeller exhaust ventilator by Cook. (See Mech.)
 - ii. CFM: As indicated on the mechanical plans.
 - iii. Color: Match Roof Color.

Installation:

Install metal panels, underlayment, vents, and accessories according to manufacturers' written instructions.

DIVISION 07 - THERMAL AND MOISTURE PROTECTION (CONTINUED...)

074293 Soffit Panels

Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by James Hardie Building Products, Inc. or a comparable product by an approved manufacturer.

Products:

- A. Smooth Vented Soffits (Florida Product Approval: FL#13265) (Texas Department of Insurance: TDI # EC-23)
 - i. Structural Performance: Provide soffit systems capable of withstanding the effects of the following loads:
 - a. Wind Loads: See Structural.
 - b. Deflection Limits: See Structural.
 - ii. Net Free Area: 5 sq. in. per linear foot.
 - iii. Width: 12"
 - iv. Thickness: 0.25"
 - v. Color: Painted. (See Finish Schedule)

Installation:

Install soffit panels and accessories according to manufacturers' written instructions.

077100 - Roof Specialties

Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by Roof Drainage Components & Accessories or a comparable product by an approved manufacturer.

Products:

- A. Gutter Systems:
 - i. Style: Smooth Box Gutter - "F" Style
 - ii. Size: 5"
 - iii. Color: Match Roof Color
- Downspouts (alum.):
 - i. Style: Smooth Box Downspout
 - ii. Size: 3"x4"
 - iii. Color: Match Roof Color
- C. Elbow
 - i. Smooth Box Downspout Elbow - "A" Style Seam on Long Side
 - ii. Color: Match Roof Color
- D. Straps
 - i. Smooth Box Downspout Strap.
 - ii. Color: Match Roof Color.
- E. Gutter Guard
 - i. Continuous screened leaf guard w/ frame.
 - ii. Material: Stainless Steel

Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by OMG Roofing Products or comparable product by an approved manufacturer.

- A. Coping Cap
 - i. Product: Permasnap 2 Plus
 - ii. 16 gauge w/ kynar finish
 - iii. Color to match roof.

Installation:

Install roof specialties according to manufacturers' written instructions.

079200 - Joint Sealants

Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by Tremco, or a comparable product by one of the following:

- BASF Building Systems
- Pecora Corporation
- Dow Corning Corp.

Products:

- A. Silicone (for use around plumbing fixtures and around glazing):
 - i. Spectrem 2
 - ii. Color: Clear
- B. Urethane (for use at masonry, control joints, and rough openings)
 - i. Dymonic 100
 - ii. Color: To match adjacent material color (color and paintable)
- C. Joint Sealant Backing:
 - i. Closed cell material with a surface skin or as approved by sealant manufacturer

Installation:

Install sealants and proper backing according to manufacturers' written instructions.

079219 - Acoustical Joint Sealants

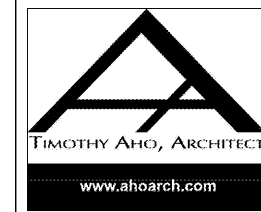
Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by USG or a comparable product by an approved manufacturer.

Products:

- A. Acoustical Joint Sealant
 - i. USG Sheetrock Brand Acoustical Sealant

Installation:

Install sealants according to manufacturers' written instructions.



Express Oil Change & Tire Engineers
Right Hand Oil Change Building (Hurricane)
 2265 O'Neal Lane
 Baton Rouge, LA 70816

FINAL

No.	Description	Date

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Architectural Specifications	
Project number	20025
Date	08/27/2020
Drawn by	ARC
Checked by	TAA
OC-G200	
Scale	12" = 1'-0"