

GENERAL ARCHITECTURAL SPECIFICATIONS

DIVISION 04 - MASONRY

Unit Masonry

- A. Concrete Masonry Units
 - i. Provide types, shapes and sizes as indicated
- B. Special Masonry
 - i. Spec-Brik, Concrete Products Group
 - ii. Size: 8x4x16
 - iii. Color: Special Brick Red
- C. Mortar
 - i. Type: N
 - ii. Color: Gray at cmu. TBD at special masonry
- D. Joint Reinforcement
 - i. Type: Hot dipped galvanized, carbon steel (truss)
 - ii. Size: 0.187" diameter
 - iii. Length: Not less than 10'
- E. Sealer
 - i. Siloxa-Tech 8500, Ghostshield
 - ii. Color: Clear

Installation:
Install masonry products according to manufacturers' written instructions.

DIVISION 05 - METALS

Pipe Bollards

- Products:**
- A. Concrete-filled Steel Pipe Bollards
 - i. Finish: Painted (See Finish Schedule)
 - ii. Height: 3'-6"
 - iii. Schedule 40 Steel

Installation:
See drawings for installation details.

Stairs and Railings

- Products:**
- A. Metal Pan Stairs
 - i. Size: 0.067" minimum
 - ii. Load: 300 lbf applied on an area of 4 sq. in. (concentrated)
 - iii. Finish: Painted (See Finish Schedule)
 - B. Steel Railings
 - i. Type: F or S (schedule 40)
 - ii. Load: 200lbf applied in any direction (concentrated)
 - iii. Finish: Painted (See Finish Schedule)

Installation:
Install stairs and railings according to manufacturers' written instructions.

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

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
 - v. Painted (See Finish Schedule)
 - 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. Wood Soffit Panels
 - i. Plywood Type: Exposure 1
 - ii. Plywood Grade: AC
 - iii. Of sizes, shapes, and lengths required.
 - iv. Moisture content shall not exceed 19% at time of installation
 - v. Painted (See Finish Schedule)
 - F. 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)
 - G. Plywood flooring (equipment platform)
 - i. Plywood Type: Exposure 1
 - ii. Plywood Grade: BC
 - iii. Thickness: As indicated on drawings
 - iv. Tongue and Groove
 - H. Plywood decking (roof)
 - i. Plywood Type: Exposure 1
 - ii. Plywood Grade: BC
 - iii. Thickness: As indicated on drawings
 - iv. Square Edge

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

Plastic Laminate

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

1. Formica
2. Or Approved equal

- Products:**
- A. Plastic Laminate #1
 - i. High pressure decorative laminate: NEMA LD3
 - ii. Grade: HGS
 - iii. Color: 4882-38 Oiled Soapstone
 - B. Plastic Laminate #2
 - i. High pressure decorative laminate: NEMA LD3
 - ii. Grade: HGS
 - iii. Color: To match paint P-3

Adhesives: as recommended by manufacturer
Installation:
Install plastic laminate according to manufacturers' written instructions.

Cabinet Hardware

Manufacturers:
Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below:

- Products:**
- A. Hinges
 - i. Frameless concealed hinges (European Type)
 - ii. 100 degrees of opening, self-closing
 - iii. Color: 4623-60 Graphite Nebula
 - B. Back-Mounted Pulls
 - i. Product: P2236-SS by Hickory Hardware
 - ii. Size: 7 3/8" x 1/2"
 - iii. Finish: Stainless Steel
 - C. Adjustable Shelf Standards and Supports
 - D. Drawer Slides

Installation:
Install cabinet hardware according to manufacturers' written instructions.

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

Thermal Insulation

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

1. Johns Manville
2. Owens Corning

- Products:**
- A. Kraft Faced Batt Insulation:
 - i. R-13; where indicated
 - B. Unfaced Batt Insulation:
 - i. R-38; where indicated

Installation:
Install insulation according to manufacturers' written instructions.

Standing-Seam Metal Roof Panels

Manufacturers:
Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by McElroy, **Metals unless otherwise indicated.**

- Products:**
- A. Metal Panel: Medallion Lok
 - i. Thickness: 24 ga
 - ii. Width: 18"
 - iii. Height: 1 3/4"
 - iv. Color: Regal Blue
 - B. Underlayment
 - i. 15lb. asphalt saturated organic roofing felt

Installation:
Install metal panels and felt according to manufacturers' written instructions.

Roof Specialties

- Products:**
- A. Gutters (alum.):
 - i. Style: K
 - ii. Size: 5"
 - iii. Color: Painted (See Finish Schedule)
 - B. Downspouts (alum.):
 - i. Size: 3"x4"
 - ii. Color: Painted (See Finish Schedule)

Installation:
Install gutters, downspouts, and accessories according to manufacturers' written instructions.

Joint Sealants

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

1. BASF Building Systems
2. Pecora Corporation
3. Tremco Incorporated

- Products:**
- A. Silicone:
 - i. Type S, Grade NS and Class 100/50
 - ii. Color: Determined on site
 - B. 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.

Vapor Barrier

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

- Products:**
- A. Vapor Barrier
 - i. Thickness: 10 mil

DIVISION 08 - OPENINGS

Aluminum Storefront

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

1. YKK AP America Inc.
2. Or Approved equal

- Products:**
- A. Aluminum Storefront Framing
 - i. Construction: Thermally broken
 - ii. Glazing System: Retained mechanically with gaskets on both sides
 - iii. Glazing Pane: As indicated.
 - iv. Finish: Clear Anodized
 - v. Fabrication Method: Field-fabricated, shop-fabricated
 - B. Entrance Door System
 - i. Manufacturer's standard glazing clearance door for manual opening operation
 - ii. Door Design: As indicated
 - iii. Glazing Stops and Gaskets: Beveled snap-on extruded-aluminum stops and preformed gaskets. Provide nonremovable glazing stops on outside of door.
 - iv. Door Construction: 1-3/4" overall thickness with minimum 0.125" thick extruded aluminum tubular rail and frame members.
 - C. Glazing
 - i. Glazing: Comply with Division 05 "Glazing"
 - ii. Gaskets: Manufacturer's standard sealed-corner pressure-glazing system of black resilient elastic glazing gaskets, setting blocks, and shims or spacers. Glazing sealants as recommended by the manufacturer.

Installation:
Install aluminum storefront according to manufacturers' written instructions.

Glazing

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

1. PPG Industries, Inc.
2. Or Approved equal

- Products:**
- A. GL-1: Low-E-coated, fully tempered tinted insulating glass
 - i. Product: SunGuard SuperNeutral 54 on Clear
 - ii. Minimum Thickness of Each Glass Lite: 6 mm
 - iii. Outdoor Lite: Tinted fully tempered float glass
 - iv. Interspace Content: Air
 - v. Indoor Lite: Clear fully tempered float glass
 - vi. Low-E Coating: On Second Face
 - vii. Winter Nighttime U-Factor: 0.29
 - viii. Summer Daytime U-Factor: 0.27
 - ix. Visible Light Transmission: 54%
 - x. Solar Heat Gain Coefficient: 0.28
 - B. GL-2: Clear fully tempered float glass
 - i. Minimum Thickness: 6.0 mm
 - ii. Provide safety glazing labeling

Installation:
Install glazing according to manufacturers' written instructions.



Express Oil Change & Tire Engineers
Single Building - Right Hand Oil Change
Augusta, Georgia

FINAL

No.	Description	Date

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Architectural Specifications	
Project number	16031
Date	04/04/2017
Drawn by	ARC
Checked by	TAA
G200	
Scale	

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