

GENERAL ARCHITECTURAL SPECIFICATIONS

GENERAL NOTES

- 1. 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.
2. 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.
3. PROVIDE MANUFACTURER'S STANDARD WARRANTY FOR ALL SPECIFIED PRODUCTS.
4. ALL EXTERIOR SIGNAGE, LIGHT BARS, AWNINGS, AND SCANCES BY OTHERS.
5. ALL FURNITURE AND EQUIPMENT BY OTHERS. COORDINATE PLACEMENT WITH OWNER PRIOR TO ROLLING IN REQUIRED UTILITIES.
6. ALL COMPARABLE PRODUCTS TO BE REVIEWED AND APPROVED BY THE OWNER PRIOR TO BID.
7. 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 08 - OPENINGS

081113 - Hollow Metal Doors and Frames

Manufacturers:
Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by CECCO Door Products, or a comparable product by one of the following:
1. Curries Company
2. Steelcraft
3. Or Approved equal
Products:
Materials
A. Cold-Rolled Steel Sheet ASTM A 1008/A 1008M, Commercial Steel (CS), Type B; suitable for exposed applications.
B. Metallic-Coated Steel Sheet ASTM A 653/A 653M, Commercial Steel (CS), Type B; with minimum G60 (Z180) or A60 (ZF180) metallic coating.
C. Frame Anchors: ASTM A 653/A 653M, Commercial Steel (CS), Commercial Steel (CS), Type B; with minimum G60 (Z180) or A60 (ZF180) metallic coating.

Hollow Metal Doors

- A. General: Provide 1-3/4 inch doors of design indicated, not less than thickness indicated; fabricated with smooth surfaces, without visible joints or seams on exposed faces unless otherwise indicated. Comply with ANSI/SKD A250.8 and ANSI/AIAA HMMMA 867.
B. Exterior Doors (Energy Efficient): Face sheets fabricated of commercial quality hot-dipped zinc coated steel that complies with ASTM A924 A60. Provide doors complying with requirements indicated below by referencing ANSI/SKD A250.8 for level and model, ANSI/SKD A250.4 for physical performance level, and HMMMA 867 for door construction.
1. Design: Flush panel.
2. Core Construction: Foamed in place polyurethane and steel stiffened laminated core with no stiffener face welds, in compliance with HMMMA 867 "Laminated Core".
a. Provide 22 gauge steel stiffeners at 6 inches on-center internally welded at 5" on-center to integral core assembly; foamed in place polyurethane core chemically bonded to all interior surfaces; No stiffener face welding is permitted.
b. Thermal properties to rate at a fully operable minimum U-Factor 0.29 and R-Value 3.4, including insulated door, thermal-break frame and threshold.
c. Kerf Type Frames: Thermal properties to rate at a fully operable minimum U-Factor 0.36 and R-Value 2.7, including insulated door, kerf type frame, and threshold.
3. Level/Model: Level 3 and Physical Performance Level A (Extra Heavy Duty), Minimum 16 gauge (0.053 inch - 1.3-mm) thick steel, Model 2.
4. Vertical Edges: Vertical edges to be mechanically interlocked with hairline seam. Beveled Lock Edge, 1/8 inch in 2 inches (3 mm in 50 mm).
5. Top and Bottom Edges: Reinforce tops and bottoms of doors with a continuous steel channel not less than 16 gauge, extending the full width of the door and welded to the face sheet. Doors with an inverted top channel to include a steel closure channel, screw attached, with the web of the channel flush with the face sheets of the door. Plastic or composite channel fillers are not acceptable.
6. Hinge Reinforcement: Minimum 7 gauge (3/16") plate 1-1/4" x 9".
7. Hardware Reinforcements: Fabricate according to ANSI/SKD A250.6 with reinforcing plates from same material as door face sheets.
C. Exterior Doors: Face sheets fabricated of commercial quality hot-dipped zinc coated steel that complies with ASTM A 653/A 653M, Coating Designation A60. Provide doors complying with requirements indicated below by referencing ANSI/SKD A250.8 for level and model and ANSI/SKD A250.4 for physical performance level. Florida Product Approval # FL#4553 / Texas Department of Insurance #DR-292.
1. Design: Flush panel.
2. Level/Model: Level 2 and Physical Performance Level B (Heavy Duty), Minimum 18 gauge (0.042-inch - 1.0-mm) thick steel, Model 2.
3. Top and Bottom Edges: Reinforce tops and bottoms of doors with a continuous steel channel not less than 16 gauge, extending the full width of the door and welded to the face sheet. Doors with an inverted top channel to include a steel closure channel, screw attached, with the web of the channel flush with the face sheets of the door. Plastic or composite channel fillers are not acceptable.
4. Hinge Reinforcement: Minimum 7 gauge (3/16") plate 1-1/4" x 9".
5. Hardware Reinforcements: Fabricate according to ANSI/SKD A250.6 with reinforcing plates from same material as door face sheets.
D. Interior Doors (Energy Efficient): Face sheets fabricated of commercial quality cold rolled steel that complies with ASTM A366 or 620. Provide doors complying with requirements indicated below by referencing ANSI/SKD A250.8 for level and model and ANSI/SKD A250.4 for physical performance level.
1. Design: Flush panel.
2. Core Construction: Steel stiffened laminated core with fiberglass filler with no stiffener face welds, compliance with HMMMA 867 "Laminated Core".
a. Provide 22 gauge steel stiffeners at 6 inches on-center internally welded at 5" on-center to integral core assembly. No stiffener face welding is permitted.
b. Acoustical sound transmission rating shall be no less than STC 38, complying with ASTM E-90 and must be visible on factory applied labels.
3. Level/Model: Level 2 and Physical Performance Level A (Heavy Duty), Minimum 18 gauge (0.042-inch - 1.1-mm) thick steel, Model 2.
4. Vertical Edges: Vertical edges to be mechanically interlocked with hairline seam. Beveled Lock Edge, 1/8 inch in 2 inches (3 mm in 50 mm).
5. Top and Bottom Edges: Reinforce tops and bottoms of doors with a continuous steel channel not less than 16 gauge, extending the full width of the door and welded to the face sheet. Doors with an inverted top channel to include a steel closure channel, screw attached, with the web of the channel flush with the face sheets of the door. Plastic or composite channel fillers are not acceptable.
6. Hinge Reinforcement: Minimum 7 gauge (3/16") plate 1-1/4" x 9".
7. Hardware Reinforcements: Fabricate according to ANSI/SKD A250.6 with reinforcing plates from same material as door face sheets.
E. Interior Doors: Face sheets fabricated of commercial quality cold rolled steel that complies with ASTM A 1008/A 1008M. Provide doors complying with requirements indicated below by referencing ANSI/SKD A250.8 for level and model and ANSI/SKD A250.4 for physical performance level.
1. Design: Flush panel.
a. Fire Door Core: As required to provide fire-protection and temperature-rise ratings indicated.
2. Level/Model: Level 2 and Physical Performance Level B (Heavy Duty), Minimum 18 gauge (0.042-inch - 1.0-mm) thick steel, Model 2.
3. Top and Bottom Edges: Reinforce tops and bottoms of doors with a continuous steel channel not less than 16 gauge, extending the full width of the door and welded to the face sheet.
4. Hinge Reinforcement: Minimum 7 gauge (3/16") plate 1-1/4" x 9" or minimum 14 gauge continuous channel with pierced holes, drilled and lapped.
5. Hardware Reinforcements: Fabricate according to ANSI/SKD A250.6 with reinforcing plates from same material as door face sheets.

DIVISION 08 - OPENINGS CONTINUED...

- F. Manufacturers Basis of Design:
1. CECCO Door Products (C) Honeycomb Core - Regent Series.
Hollow Metal Frames
A. General: Comply with ANSI/SKD A250.8 and with details indicated for type and profile.
B. Exterior Frames: Fabricated of hot-dipped zinc coated steel that complies with ASTM A 653/A 653M, Coating Designation A60.
1. Fabricate frames with mitered or coped corners. Profile as indicated on drawings.
2. Manufacturers Basis of Design:
a. CECCO Door Products (C) - SQSeries.
b. Curries Company (CU) - M Series.
C. Interior Frames: Fabricated from cold-rolled steel sheet that complies with ASTM A 1008/A 1008M.
1. Fabricate frames with mitered or coped corners. Profile as indicated on drawings.
2. Manufacturers Basis of Design:
a. CECCO Door Products (C) - SQ Series.
b. Curries Company (CU) - M Series.
D. Fire rated frames: Fabricate frames in accordance with NFPA 80, listed and labeled by a qualified testing agency, for fire-protection ratings indicated.
E. Hardware Reinforcement: Fabricate according to ANSI/SKD A250.6 Table 4 with reinforcement plates from same material as frames.
Frame Anchors
A. Jamb Anchors:
1. Masonry Type: Adjustable strap-and-stirrup or T-shaped anchors to suit frame size, formed from A60 metallic coated material, not less than 0.042 inch thick, with corrugated or perforated straps not less than 2 inches wide by 10 inches long; or wire anchors not less than 0.177 inch thick.
2. Stud Wall Type: Designed to engage stud and not less than 0.042 inch thick.
3. Compression Type for Drywall Slip-on (Knock-Down) Frames: Adjustable compression anchors.
4. Windstorm Opening Anchors: Types as tested and required for indicated wall types to meet specified wind load design criteria.
B. Floor Anchors: Floor anchors to be provided at each jamb, formed from A60 metallic coated material, not less than 0.042 inches thick.
C. Mortar Guards: Formed from same material as frames, not less than 0.016 inches thick.

Installation:
Install hollow metal doors and frames according to manufacturers' written instructions.

FABRICATION

- A. Factory fit doors to suit frame opening sizes indicated.
1. Comply with requirements in NFPA 80 for fire rated doors.
2. Undercut. As required per manufacturer's templates and sill condition.
B. Factory machine doors for hardware that is not surface applied. Comply with final hardware schedules, door frame Shop Drawings, DHI A115-W series standards, and hardware templates.
1. Coordinate with hardware mortises in metal frames to verify dimensions and alignment before factory machining.
2. Metal Astragals: Factory machine astragals and formed steel edges for hardware for pairs of fire rated doors.
C. Openings: Cut and trim openings through doors in factory.
1. Light Openings: Trim openings with moldings of material and profile indicated.
2. Glazing: Comply with applicable requirements in Division 08 Section "Glazing".

083613-Sectional Doors

Manufacturers:
Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by Overhead Door Corporation or Raynor Garage Doors, or a comparable product by an approved manufacturer.
Products:
Notes:
1) All glazing to have proper labels as required by local AHJ and building codes.
2) All glazing shall be reviewed and approved by the local distributor to meet the requirements for the region in which the glazing is being installed. Any issues with items specified shall be brought to the attention of the Architect prior to bid.
3) In wind-borne debris regions, glazing in buildings shall be impact resistant or protected with an impact resistant covering meeting the requirements of an approved impact-resistant standard or ASTM E 1996 and ASTM E 1886.
B. Heavy Duty Sectional Overhead Door
Model to be determined as recommended by the manufacturer to meet the requirements below and the look as shown on Sheets A200, A201, and A620. Door shall be approved by the Owner / Architect prior to bidding.
(Florida Product Approval: FL#17629.1 for full glass OH Doors (Overhead Door).
(Florida Product Approval: FL#14092.12 for two row lite OH Doors (Raynor).
i. Wind Load: Design and size components to withstand loads caused by pressure and suction of wind acting normal to plane of wall as calculated in accordance with applicable code.
a. See Structural for wind pressures.
b. Provide to meet the Design/Performance requirements specified.
ii. Insulated: No.
iii. Standard Finish: See finish schedule.
iv. Springs: 50,000 cycles
v. Glazing: 1/4" Clear Tempered
vi. Hardware: Galvanized steel hinges and fixtures. Ball bearing rollers with hardened steel tracks.
vii. Lock: Galvanized interior mounted slide lock.
viii. Weatherstripping Gaskets: Fitted to entire exterior perimeter of door.
ix. Track: Provide track as recommended by manufacturer to suit loading required for clearance available.
x. Manual Operation Chain Hoist
xi. Vertical Clearance: Maintain 14'-0" min. clearance required for proper equipment lift operations.
Installation:
Install sectional doors according to manufacturers' written instructions.

084113- Aluminum-Framed Entrances and Storefronts

Manufacturers:
Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by YKK AP, America Inc., or a comparable product by one of the following:
1. Kawneer
2. Or Approved equal
Products:
A. Exterior Storefront System
(Florida Product Approval: FL#14218.13)
(Texas Department of Insurance: TD# CWSF-51)
(YHS 50 TU Thermally Broken Impact Resistant and Blast Mitigating Storefront System for Insulating Glass)
i. Center set
ii. Thermal Barrier: Provide continuous thermal barrier by means of a poured and debrided pocket consisting of a two part, chemically curing high density polyurethane which is bonded to the aluminum by YKK ThermoBond Plus.
iii. Materials: Anodized Aluminum; 0.050" minimum thickness.
iv. Accessories: As recommended by the manufacturer.
v. Components: Manufacturer's standard extruded aluminum mullions, entrance doors, frame, and indicated shapes, perimeter anchor fillers and steel reinforcing as required.
vi. Glazing Stops: Manufacturer's standard glazing stops with EPDM glazing gaskets to prevent water infiltration at the exterior and Dow Corning 995 Structural Silicone Sealant with fixed stops at the interior. Color to match storefront.
vii. Finish: See finish schedule.
viii. Wind Load: See Structural for design pressures.
ix. Door: 35H Medium Style Hurricane
a. Material: 0.050" aluminum min. thickness
b. Finish: See finish schedule.
c. Hardware: See Division 8 Door Hardware
d. Accessories: Manufacturer's standard
e. Glass: See Division 8 Glazing
f. Glazing Stops: Manufacturer's standard
g. Weather-stripping: Manufacturer's standard
B. Storefront Glazing
i. Glazing: Comply with Division 08 "Glazing"
ii. Glazing Gaskets: Manufacturer's standard sealed-corner pressure-glazing system of light gray resilient elastomeric glazing gaskets, setting blocks, and shims or spacers.
iii. Glazing Sealants: As recommended by the manufacturer.
Installation:
Install aluminum-framed entrances and storefronts according to manufacturers' written instructions.

087100- Door Hardware

Manufacturers:
Basis-of-Design Product: Subject to compliance with requirements, provide products indicated below by the following manufacturers, or approved equal:
1. MK- McKinney
2. AD- Adams Rite
3. YA- Yale
4. RO-Rockwood
5. NO-Norton
6. PE- Pemko
Products:
Set: 1.0
Doors: 1
Description: EXT- ALUM
1 Continuous Hinge MCK-25HD CL AD MK
1 Deadlatch 4900 x 4591 US26D AD
1 Cylinder Mort / Cyl as required 626 YA
2 Pull BF168 US RO
1 Surface Closer CLP8501 689 NO
1 Mtg Plate as required 689 NO
1 Threshold 271A Pemko MSES25SS PE
1 Gasketing by door frame PE
1 Sweep 315CN PE
Notes: Hardware listed for design criteria, confirm with specific door manufacturer the hardware requirements to meet specified windstorm rating. TDI Approval to be provided by door supplier.
Set: 2.0
Doors: 9
Description: TOILET - BAYS
1 Hinge (heavy weight) T4A3386NRP 4-1/2"x4-1/2" US32D MK
1 Lock Device (rim, nightlatch) 7150 WS PB627F 630 YA
1 Cylinder Mort / Cyl as required 626 YA
1 Surface Closer CLP8501 689 NO
1 Threshold 271A Pemko MSES25SS PE
1 Gasketing S773D PE
1 Rain Guard 346C x LAR PE
1 Sweep 315 CN PE
Notes: Hardware listed for design criteria, confirm with specific door manufacturer the hardware requirements to meet specified windstorm rating. FBC #FL3063 R6 II
Set: 3.0
Doors: 9
Description: SHOP TOILET
4 Hinge TA2714 4-1/2" x 4-1/2" US26D MK
1 Cylindrical Lock (privacy) PB 5402LN 626 YA
1 Mop Plate K1050 4" X 1" LDW 4BE CSK US32D RO
1 Door Stop 409 1 4/46 [as required] US32D RO
1 Threshold 271A Pemko MSES25SS PE
1 Gasketing S773D PE
1 Sweep 315CN PE
1 Surface Closer 8501 Reg / PA 689 NO
Set: 4.0
Doors: 7
Description: STORAGE
4 Hinge TA2714 4-1/2" x 4-1/2" US26D MK
1 Cylindrical Lock (classroom) PB 5408LN 626 YA
1 Surface Closer CLP8501 689 NO
1 Kick Plate K1050 8" X 2" LDW 4BE CSK US32D RO
1 Door Stop 409 1 4/46 [as required] US32D RO
1 Gasketing S773D PE
Set: 5.0
Doors: 2,3,4,5,6
Description: OH DOOR
1 Hardware By door mfg.
Installation:
Install door hardware according to manufacturer's written instructions.



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

Table with 3 columns: No., Description, Date. Row 1: 1, ASI #1, 09/23/2020.

Project information form including Project number (20025), Date (08/27/2020), Drawn by (ARC), Checked by (TAA), and Specification title (SV-G201).

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