

Order Plans

- D. Counterflashing: Fabricate from the following material:
    1. Aluminum: 0.0320 inch > thick.
  - E. Roof-Penetration Flashing: Fabricate from the following material as indicated on drawings:
    1. Lead: 4.0 lbs/sq. ft., hard tempered.
  - F. Roof-Drain Flashing: Fabricate from the following material:
    1. Lead: 4.0 lbs/sq. ft., hard tempered.
- PART 3 - EXECUTION
- 3.1 INSTALLATION, GENERAL
    - A. General: Anchor sheet metal flashing and trim and other components of the Work securely in place, with provision for thermal and structural movement. Use fasteners, solder, welding rods, protective coatings, separators, sealants, and other miscellaneous items as required to complete sheet metal flashing and trim system.
      1. Torch cutting of sheet metal flashing and trim is not permitted.
    - B. Metal Protection: Where dissimilar metals will contact each other or corrosive substrates, protect against galvanic action by painting contact surfaces with bituminous coating or by other permanent separation as recommended by fabricator or manufacturers of dissimilar metals.
    - C. Install exposed sheet metal flashing and trim without excessive oil canning, buckling, and tool marks.
    - D. Install sheet metal flashing and trim true to line and levels indicated. Provide uniform, neat seams with minimum exposure of solder, welds, and elastomeric sealant.
    - E. Install sheet metal flashing and trim to fit substrates and to result in watertight performance. Verify shapes and dimensions of surfaces to be covered before fabricating sheet metal.
      1. Space cleats not more than 12 inches apart. Anchor each cleat with two fasteners. Bend tabs over fasteners.
    - F. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at a maximum of 10 feet with no joints allowed within 24 inches of corner or intersection. Where lap or beveled-type expansion provisions cannot be used or would not be sufficiently watertight, form expansion joints of interlocking lapped flanges, not less than 1 inch deep, filled with elastomeric sealant concealed within joints.
    - G. Fasteners: Use fasteners of size that will penetrate substrate not less than 1-1/4 inches for nails and not less than 3/4 inch for wood screws.
      1. Galvanized or Pre-painted, Metallic-Coated Steel: Use stainless-steel fasteners.
      2. Aluminum: Use aluminum or stainless-steel fasteners.
      3. Copper: Use copper or stainless-steel fasteners.
      4. Stainless Steel: Use stainless-steel fasteners.
    - H. Seal joints with elastomeric sealant as required for watertight construction.
    - I. Soldered Joints: Clean surfaces to be soldered, remove oils and foreign matter. Pre-tin edges of sheets to be soldered to a width of 1-1/2 inches except where pretinned surface would show in finished Work.
      1. Do not solder aluminum sheet.
  - 3.2 ROOF DRAINAGE SYSTEM INSTALLATION
    - A. General: Install sheet metal roof drainage items to produce complete roof drainage system according to SMACNA recommendations and as indicated. Coordinate installation of roof perimeter flashing with installation of roof drainage system.
    - B. Hanging Gutters: Join sections with riveted and soldered joints or with lapped joints sealed with elastomeric sealer. Provide for thermal expansion. Attach gutters at eave or fascia to firmly anchored gutter brackets spaced not more than 36 inches apart. Provide end closures and seal watertight with sealant. Slope to downslopes.
      1. Install gutter with expansion joints at locations indicated but not exceeding 50 feet apart. Install expansion joint caps.
      2. Install continuous gutter screens on gutters with noncorrosive fasteners, removable for cleaning gutters.
    - C. Downspouts: Join sections with 1-1/2-inch telescoping joints. Provide fasteners designed to hold downspouts securely 1 inch away from walls, locate fasteners at top and bottom and at approximately 60 inches o.c. in between.
    - D. Parapet Scurpers: Install scurpers where indicated through parapet. Continuously support scurper, set to correct elevation, and seal flanges to interior wall face, over eaves or tapered edge strips, and under roofing membrane.
    - E. Conductor Heads: Anchor securely to wall with elevation of conductor head rim 1 inch (25 mm) below scurper discharge.
- 3.3 ROOF FLASHING INSTALLATION
- A. General: Install sheet metal roof flashing and trim to comply with performance requirements and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, set units true to line, and level as indicated. Install work with laps, joints, and seams that will be permanently watertight.
  - B. Roof Edge Flashing and Copings: Anchor to resist uplift and outward forces according to recommendations in FMG Loss Prevention Data Sheet 1-49 and the authority having jurisdiction.
  - C. Counterflashing: Coordinate installation of counterflashing with installation of base flashing. Insert counterflashing in registers or receivers and fit tightly to base flashing. Secure in a waterproof manner. Extend counterflashing 4 inches over base flashing. Lap counterflashing joints a minimum of 4 inches (100 mm) and bed with elastomeric sealant.
  - D. Roof-Penetration Flashing: Coordinate installation of roof-penetration flashing with installation of roofing and other items penetrating roof. Install flashing as follows:
    1. Turn lead flashing down inside vent piping, being careful not to block vent piping with flashing.
    2. Seal with elastomeric sealant and clamp flashing to pipes penetrating roof except for lead flashing on vent piping.

- END OF SECTION 0720
- SECTION 0720 - ROOF ACCESSORIES
- PART 1 - GENERAL
- 1.1 SUMMARY
    - A. This Section includes the following:
      1. Roof curbs
      2. Roof bases
  - 1.2 SUBMITTALS
    - A. Product Data: For each product indicated.
    - B. Shop Drawings: Installation, elevations, sections, details, and attachments to other Work.
 

Examples: For each expansion flash upon request of architect.
  - QUALITY ASSURANCE
 

Standards: Comply with the following:

    - SMACNA's "Architectural Sheet Metal Manual" details for fabrication of units, including flanges and cap flashing to coordinate with type of roofing indicated.
    - NRCA's "Roofing and Waterproofing Manual" details for installing units.

- PART 2 - PRODUCTS
- 2.1 MATERIALS
    - A. Aluminum-Zinc Alloy-Coated Steel Sheet: ASTM A 792/A 792M with Class AZ-50 coating, structural quality, Grade 40 (Grade 275), or as required for strength.
    - B. Insulation: Manufacturer's standard rigid or semirigid glass-fiber board of thickness indicated.
    - C. Wood Nailer: Softwood lumber, pressure treated with waterborne preservatives for aboveground use, complying with AWPA C2, not less than 1-1/2 inches thick.
    - D. Fasteners: Some metal as metals being fastened, or nonmagnetic stainless steel or other noncorrosive metal as recommended by manufacturer. Match finish of expand fasteners with finish of material being fastened.
      1. Provide nonremovable fastener heads.
    - E. Gaskets: Manufacturer's standard tubular or fingered design of neoprene, EPDM, or PVC, or flat design of foam rubber, sponge neoprene, or cork.

- F. Bituminous Coating: SSPC-Paint 12, solvent-type bituminous mastic, nominally free of sulfur and containing no oxidizing fillers, compounded for 15-ml dry film thickness per coating.
  - G. Mastic Sealant: Polyisobutylene; nonhardening, nonskinning, nonshrinking, nonmigrating sealant.
  - H. Elastomeric Sealant: Recommended by unit manufacturer that is compatible with joint surfaces; ASTM C 920, Type S, Grade NS, Class 25.
  - I. Roofing Cement: ASTM D 4586, nonasbestos, fibrated asphalt cement designed for trowel application or other adhesive compatible with roofing system.
- 2.2 ROOF CURBS AND EQUIPMENT SUPPORTS
- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    1. Custom Carb, Inc.
    2. Metallic Products Corporation.
    3. Vent Products Co., Inc.
  - B. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    1. Custom Carb, Inc.
    2. Metallic Products Corporation.
    3. Vent Products Co., Inc.
  - C. General: Units capable of supporting superimposed live and dead loads, including equipment loads and other construction to be supported. Coordinate dimensions with equipment to be supported.
    1. Provide preservative-treated wood nailers at tops of units and formed flange at perimeter bottom for mounting to roof.
    2. On ribbed or fluted metal roofs, form flange at perimeter bottom to conform to roof profile.
    3. Fabricate units to minimum height of 8 inches, unless otherwise indicated.
    4. Where slope of roof deck exceeds 1/4 inch per foot, fabricate support units with height tapered to match slope to level tops of units.
  - D. Roof Curbs:
    1. Fabrication: Unless otherwise indicated or required for strength, fabricate units from minimum 0.0747-inch-thick, structural-quality, hot-dip galvanized or aluminum-zinc alloy-coated steel sheet; factory primed and prepared for painting with wet-lap sealed mechanical corner joints.
    2. Fabrication: Unless otherwise indicated or required for strength, fabricate units from minimum 0.063-inch-thick, sheet aluminum with welded corner joints.
    3. Insulation: Manufacturer's standard rigid or semirigid insulation where indicated.
    4. Casts: Formed casts and base profile coordinated with roof insulation thickness.
- PART 3 - EXECUTION
- 3.1 INSTALLATION
    - A. General: Coordinate installation of roof accessories with installation of roof deck, roof insulation, flashing, roofing membranes, penetrations, equipping, and other construction to ensure that combined elements are waterproof and weathertight. Anchor roof accessories securely to supporting structural substrates so they are capable of withstanding lateral and thermal stresses, and inward and outward loading pressures.
    - B. Install roof accessory items according to construction details in NRCA's "Roofing and Waterproofing Manual," unless otherwise indicated.
    - C. Separation: Separate metal from incompatible metal or corrosive substrates, including wood, by coating concealed surfaces, at locations of contact, with bituminous coating or providing other permanent separation.
    - D. Flange Seals: Unless otherwise indicated, set flanges of accessory units in a thick bed of roofing cement to form seal.
    - E. Cap Flashing: Where required as component of accessory, install cap flashing to provide waterproof overlap with roofing or roof flashing (as counterflashing). Seal overlap with thick bead of mastic sealant.
    - F. Clean exposed surfaces according to manufacturer's written instructions. Touch up damaged metal coatings.
- END OF SECTION 0720

- SECTION 0720 - JOINT SEALANTS
- PART 1 - GENERAL
- 1.1 RELATED DOCUMENTS
    - A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
  - 1.2 SUMMARY
    - A. This Section includes sealants for the following:
      1. Exterior joints in vertical surfaces and horizontal traffic horizontal surfaces.
      2. Exterior joints in horizontal traffic.
      3. Interior joints in vertical surfaces and horizontal traffic.
      4. Interior joints in horizontal traffic surfaces.
      5. Firestop systems through fire resistance-rated substrates.
      6. Firestop systems in sheet metal flashing and trim.
  - 1.3 SUBMITTALS
    - A. Firestop Systems: Submit, for each through-penetration firestop system, show each kind of construction or system presented, relationships to adjoining construction and kind of penetrating item. Include firestop system design and testing and inspecting agency acceptable to authorities having jurisdiction that will evaluate compliance with requirements for each condition.
  - 1.4 QUALITY ASSURANCE
    - A. Sealant Compatibility and Adhesion Testing: Use sealant manufacturer's standard test methods to determine proper priming and other specific joint preparation techniques are required to obtain rapid, optimum adhesion of joint sealant to joint substrates.
    - B. Construction Field-Adhesion Testing: Before installing elastomeric sealants, field test their adhesion to substrates using test methods indicated in Part 2 "Field Quality Control" Article.
    - C. Fire-Stop System Control Joints: Control joints are identical to those tested per ASTM E 119 under conditions where positive furnace pressures of at least 0.01 inch of water is maintained at a distance of 0.78 inch below the fill materials surrounding the penetrating items in the test assembly. Provide rated systems complying with the following requirements:
      1. Fire-Resistive Rating of Joint Sealants: As indicated by reference to design designations listed by UL in their "Fire Resistance Directory" or by another testing inspecting agency.
    - D. Mockups: Before installing joint sealants, apply elastomeric sealants to demonstrate aesthetic effects and qualities of materials and execution.
      1. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
  - 1.5 WARRANTY
    - A. Special Installer's Warranty: Written warranty in which Installer agrees to repair or replace elastomeric joint sealants that do not meet requirements specified in this Section or fail in adhesion within specified warranty period two years from date of Final Acceptance.

- PART 2 - PRODUCTS
- 2.1 MANUFACTURERS
    - A. In other Part 2 Articles where subparagraph titles below introduce lists, the following requirements apply for product selection:
      1. Products: Subject to compliance with requirements, provide one of the products specified.
  - 2.2 MATERIALS, GENERAL
    - A. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
    - B. Colors of Exposed Joint Sealants: As selected from manufacturer's full range.
  - 2.03 ELASTOMERIC JOINT SEALANTS
    - A. Silicone Sealant: (Gutters & Coping Sealant)
      1. Products:
        - a. Dow Corning 795.
        - b. GE Silicone, SilPruf
        - c. Tremco Spectrum 2.
      2. Exposure: Use T (traffic) and NT (nontraffic).
      3. Substrate: Uses M, G, A, and, as applicable to joint substrates indicated, O.

- C. Urethane Sealant:
    1. Concrete paving joints, horizontal traffic surfaces:
      - a. Products:
        - 1) Bosik, "Chem-Cal 950"
        - 2) Sonocolon, "SI-1"
        - 3) Tremco, Vulchem 45
      - b. Type and Grade: S (single component) and NS (nonag).
      - c. Class: S2
      - d. Exposure: T (traffic).
      - e. Substrate: O
- 2.3 FIRESTOPPING, GENERAL
- A. Compatibility: Provide through-penetration firestop systems that are compatible with one another with the substrate framing openings, and with the items, if any, penetrating through-penetration firestop system under conditions of service and application, as demonstrated by through-penetration firestop system manufacturers based on testing and field experience.
  - B. Accessories: Provide components for each through-penetration firestop system that are needed to install fill materials and comply with "Performance Requirements" article. Use only components specified through penetration firestop system manufacturer and approved by the qualified testing and inspecting agency for firestop systems indicated. Accessories include, but are not limited to, the following items:
    1. Permanent forming/dimming/backing materials, include the following:
      - a. Site-rock-wood-fiber insulation.
      - b. Sealants in combination with other forming/dimming/backing materials to prevent leakage of fill materials in liquid state.
      - c. Fire-rated form board.
      - d. Fillers for sealants.
    2. Temporary forming materials.
    3. Substitute primers.
    4. Collars.
    5. Steel sleeves.
    6. Products:
      - a. 3M Fire Prevention Products.
      - b. Hilti Firestop Systems
      - c. International Protective Coatings Corporation (IPC, a Division of W.R. Grace).
      - d. Tremco Inc.
- 2.4 JOINT-SEALANT BACKING
- A. General: Provide sealant backings of material and type that are nonstaining, are compatible with joint substrates, sealants, primers, and other joint fillers, and are approved for applications indicated by sealant manufacturer based on field experience and laboratory testing.
  - B. Cylindrical Sealant Backings: ASTM C 1330, of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance.
    1. Type: C (closed-cell material with a surface skin).
  - C. Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended by sealant manufacturer for preventing sealant from adhering to rigid, inflexible joint-filler materials or joint surfaces at locations where such adhesion would result in sealant failure. Provide self-adhesive tape where applicable.

- 2.5 MISCELLANEOUS MATERIALS
    - A. Primer: Material recommended by joint sealant manufacturer where required to ensure adhesion of sealant to joint substrates indicated, as determined from penetration firestop system manufacturer's testing and field tests.
    - B. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturer for use on joints and sealant backing materials, free of oily residues, and of substances capable of staining or forming films on substrates and adjacent nonporous surfaces in any color and formulated to promote optimum adhesion of sealants with joint substrates.
    - C. Masking Tape: Nonstaining, absorbent material compatible with joint sealant and suitable for use on adjacent joints.
- PART 3 - EXECUTION
- 3.1 INSTALLATION
    - A. Contractor personnel must not use the Sealant manufacturer's Approved Applicators.
      1. Surface Cleaning: Clean joint surfaces immediately before installing joint sealants.
        - a. Remove protrusions from joint substrates that could interfere with adhesion of joint sealant.
        - b. Remove loose joint surface by brushing, grinding, blast cleaning, mechanical abradling, or sandblasting of the substrate to produce a clean, sound substrate capable of developing optimum adhesion with joint sealants. Remove loose particles remaining from above cleaning operations by vacuuming or blowing out joints with oil-free compressed air.
        - c. Remove flange and form-release agents from concrete.
        - d. Clean nonporous surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues could interfere with adhesion of joint sealants.
        - e. All surfaces to be caulked shall be clean and dry.
      2. Joint Priming: Prime joint substrates where recommended in writing by joint sealant manufacturer, based on preconstruction joint-sealant-substrate tests or prior experience. Confine primers to areas of joint-sealant bond, do not allow spillage or migration onto adjoining surfaces.
      3. Masking Tape: Use masking tape where required to prevent contact of sealant with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.
      4. Sealant Installation: Comply with recommendations in ASTM C 1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.
      5. Install sealant backings to support sealants during application and at position required to produce optimum sealant movement capability.
        1. Do not leave gaps between ends of sealant backings.
        2. Do not stretch, twist, puncture, or rear sealant backings.
        3. Remove absorbent sealant backings that have become wet before sealant application and replace them with dry materials.
      6. Install bond-breaker tape behind sealants where sealant backings are not used between sealants and back of joints.
      7. Place sealants so they directly contact and fully wet joint substrates.
        1. Completely fill recesses provided for each joint configuration.
        2. Produce uniform, cross-sectional shapes and depths that allow optimum sealant movement capability.
        3. All deep cracks shall be filled to within 1/2 inch of the surface with an appropriate back-up material and caulked with a caulking gun. Caulking beads shall be smooth and straight.
        4. Caulk around all door and storefront openings and where noted on the drawings.
      8. Masonry control joints shall be caulked with a high-quality paintable urethane caulk. Control depth of caulk at 3/8 inch to 1/2 inch with a continuous closed-cell seal.
        1. Tooling of Nonag Sealants: Immediately after sealant application and before skinning or curing begins, tool sealants to form smooth, uniform beads, to eliminate air pockets, and to ensure contact and adhesion of sealant with sides of joint.
          1. Remove excess sealant from surfaces adjacent to joint.
          2. Use tooling agents that are approved by sealant manufacturer and that do not discolor sealants or adjacent surfaces.
          3. Joint Configuration: Concave joint configuration per Figure 5A in ASTM C 1193, unless otherwise indicated.
      9. Clean excess sealants or sealant smears adjacent to joints at installation positions by methods and with cleaning materials approved in writing by manufacturers of joint sealants and of products in which joints occur.
        1. Through-Penetration Firestop Installation:
          - 1. General: Install all through-penetration systems to comply with "Performance Requirements" of the firestop system manufacturer's written installation instructions and published drawings for the applications indicated.

- END OF SECTION 0720
- SECTION 0810 - STEEL DOORS AND FRAMES
- PART 1 - GENERAL
- 1.1 SUMMARY
    - A. This Section includes steel doors and frames.
  - 1.2 SUBMITTALS
    - A. Product Data: For each product indicated. Include door designation, type, level and model, material description, label compliance, fire-resistance ratings, and finishes.
    - B. Door Schedule: Use same reference designations indicated on Drawings.
  - 1.3 QUALITY ASSURANCE
    - A. Steel Door and Frame Standard: Comply with ANSI A 250.8, unless more stringent requirements are indicated.
    - B. Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire-protection ratings indicated, based on testing according to NFPA 252.
- PART 2 - PRODUCTS
- 2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    1. Anneweld Building Products, Inc.
    2. Ceca Door Products, a United Dominion Company.
    3. Steekcraft, a division of Ingersoll-Rand.
- 2.2 MATERIALS
- A. Hot-Rolled Steel Sheets: ASTM A 569/A 569M, Commercial Steel (CS), Type B; free of scale, pitting, or surface defects; pickled and oiled.
  - B. Cold-Rolled Steel Sheets: ASTM A 366/A 366M, Commercial Steel (CS), or ASTM A 620/A 620M, Drawing Steel (DS), Type B; stretcher-leveled standard of flatness.
  - C. Metallic-Coated Steel Sheets: ASTM A 653/A 653M, Commercial Steel (CS), Type B, with an A40 zinc-alloy (galvanneal) coating; stretcher-leveled standard of flatness.
  - D. Electrolytic Zinc-Coated Steel Sheet: ASTM A 591/A 591M, Commercial Steel (CS), Class B coating; mill phosphatized; suitable for uncoated applications; stretcher-leveled standard of flatness where used for face sheets.
- 2.3 DOORS
- A. Interior Doors: Complying with ANSI 250.8 for level and model and ANSI A 250.4 for physical endurance level indicated.
    1. Level 1 and Physical Performance Level C, Model
  - B. Exterior Doors: Complying with ANSI A 250.8 for level and model and ANSI A 250.4 for physical endurance level indicated.
    1. Level 1 and Physical Performance Level C, Model (Full Flush).
- 2.4 FRAMES
- A. General: ANSI A 250.8, material face only, unless otherwise indicated.
  - B. Frame Steel Sheet Thickness:
    1. 0.042-inch-for level and doors.
    2. 0.053-inch-(1.3-mm) for openings greater than 48 inches.
  - C. Door Sillers: The sillers on single-door frames and two sillers on double-door frames.
  - D. Storm Guards: 0.042-inch-thick, steel sheet plaster guards or moor boxes to close off interior of doors.
  - E. Storm Windows:
    1. Storm Windows: Not less than 0.042-inch-thick zinc-coated steel sheet.
    1. Storm Window Wall Anchors: 0.177-inch diameter, steel wire complying with ASTM A 510 (ASTM A 510M) may be used in place of steel sheet.
  - F. Inserts, Bolts, and Fasteners: Manufacturer's standard units. Zinc-coat items that are to be built into exterior walls according to ASTM A 153/A 153M, Class C or D as applicable.

- 2.5 FABRICATION
  - A. General: Fabricate steel door and frame units to comply with ANSI A 250.8 free from defects including warp and buckle. Where practical, fit and assemble units in manufacturer's plant.
  - B. Exterior Doors: Fabricate doors, panels, and frames from metallic-coated steel sheet. Close top and bottom edges of doors flush as an integral part of door construction or by addition of 0.053-inch-(1.3-mm)-thick, metallic-coated steel channels with channel web placed even with top and bottom edges.
    1. Minimum 16 gauge G60 galvanized (no wipe coat) and factory primed.
      - a. Require letter from manufacturer that frames are galvanized as specified.
    2. Bottom provided with weep holes or equivalent.
  - C. Interior Door Faces: Fabricate exposed faces of doors and panels, including rails and rails of noathrust units, from cold-rolled steel sheet.
  - D. Core Construction: Manufacturer's standard core construction that produces a door complying with SDI standards.
  - E. Clearances for Non-Fire-Rated Doors: Not more than 1/8 inch at jambs and heads, except not more than 1/4 inch between pairs of doors. Not more than 3/4 inch at bottom.
  - F. Clearances for Fire-Rated Doors: As required by NFPA 80.
  - G. Door-Edge Profile: Beveled edge.
  - H. Tolerances: Comply with SDI 117.
    1. Prepare doors and frames to receive mortised and concealed hardware according to final door hardware schedule (RE: A601) and templates provided by hardware supplier. Comply with applicable requirements in ANSI A 250.6 and ANSI A 115 Series specifications for door and frame preparation for hardware.
  - I. Frame Construction:
    1. Fabricate frames with mitered or coped and continuously welded corners and seamless face joints.
    2. Provide temporary spreader bars.
    3. Fabricate knock-down frames with mitered or coped corners, for field assembly.
    3. Fabricate knock-down, drywall slip-on frames for in-place gypsum board partitions.
    4. Minimum 14 gauge G60 galvanized (no wipe coat) and factory primed.
      - a. Require letter from manufacturer that frames are galvanized as specified.
      5. Provide terminated stops where indicated.
  - K. Reinforce doors and frames to receive surface-applied hardware (RE: A601). Drilling and tapping for surface-applied hardware may be done at Project site.
  - L. Locate hardware as indicated (RE: A601) or, if not indicated, according to ANSI A 250.8.
  - M. Glazing Stops: Manufacturer's standard, formed from 0.032-inch-thick steel sheet.
    1. Provide nonremovable stops on outside of exterior doors and on secure side of interior doors for glass, louvers, and other panels in doors.
    2. Provide screw-applied, removable, glazing stops on inside of glass, louvers, and other panels in doors.
  - N. Astragals: As required by NFPA 80 to provide fire ratings indicated.

- 2.6 FINISHES
    - A. Prime Finish: Manufacturer's standard, factory-applied coat of rust-inhibiting primer complying with ANSI A 250.10 for acceptance criteria.
- PART 3 - EXECUTION
- 3.1 INSTALLATION
    - A. Pacing Frames: Comply with provisions in SDI 105, unless otherwise indicated. Set frames accurately in position, plumb, aligned, and braced securely until permanent anchors are set. After wall construction is completed, remove temporary braces and spreaders, leaving surfaces smooth and undamaged.
      1. Wall Anchors: Provide at least three anchors per jamb. For openings 90 inches or more in height, install an additional anchor at hinge and strike jambs.
      2. Gypsum Board Partitions: For in-place partitions, install knock-down, drywall slip-on frames.
      3. Fire-Rated Frames: Install according to NFPA 80.
    - B. Door Installation: Comply with ANSI A 250.8. Shim as necessary to comply with SDI 122 and ANSI/ DHI A 115 IG.
      1. Fire-Rated Doors: Install within clearances specified in NFPA 80.
      2. Smoke Control Doors: Install to comply with NFPA 105.
    - C. After installation, remove protective wrappings from doors and frames and touch up prime coat with compatible air-drying primer.

- END OF SECTION 0810
- SECTION 0810 - ACCESS DOORS AND FRAMES
- PART 1 - GENERAL
- 1.1 SUMMARY
    - A. This Section includes the following:
      1. Access doors and frames.
  - 1.2 SUBMITTALS
    - A. Product Data: For each type of access door indicated.

**Crispi & Peterson**  
 Architects Engineers Planners  
 1801 South Keene Rd.  
 Clearwater, FL 33756  
 Phone: 813.737.4141  
 Fax: 813.737.4111  
 www.cpa.com

---

**White Development Company**  
 1801 South Keene Rd.  
 Clearwater, FL 33756

---

**Retail @ Tattersall Park**  
 US Highway 280 & Highway 119  
 Hoover, AL

---

CLIENT NAME			
PROJECT NAME	Retail @ Tattersall Park	SHEET TITLE	Specifications
RELEASE	DRAWN BY	CHECKED BY	DATE
REVISED	DATE	REVISED	DATE
REVISED	DATE	REVISED	DATE

PREPARED BY: G. B. & P. 07-20-18  
 7388  
 REVISIONS:  
 1. 07-20-18  
 2. 08-14-18  
 3. 08-14-18  
 4. 08-14-18  
 5. 08-14-18  
 6. 08-14-18  
 7. 08-14-18  
 8. 08-14-18  
 9. 08-14-18  
 10. 08-14-18  
 11. 08-14-18  
 12. 08-14-18  
 13. 08-14-18  
 14. 08-14-18  
 15. 08-14-18  
 16. 08-14-18  
 17. 08-14-18  
 18. 08-14-18  
 19. 08-14-18  
 20. 08-14-18  
 21. 08-14-18  
 22. 08-14-18  
 23. 08-14-18  
 24. 08-14-18  
 25. 08-14-18  
 26. 08-14-18  
 27. 08-14-18  
 28. 08-14-18  
 29. 08-14-18  
 30. 08-14-18  
 31. 08-14-18  
 32. 08-14-18  
 33. 08-14-18  
 34. 08-14-18  
 35. 08-14-18  
 36. 08-14-18  
 37. 08-14-18  
 38. 08-14-18  
 39. 08-14-18  
 40. 08-14-18  
 41. 08-14-18  
 42. 08-14-18  
 43. 08-14-18  
 44. 08-14-18  
 45. 08-14-18  
 46. 08-14-18  
 47. 08-14-18  
 48. 08-14-18  
 49. 08-14-18  
 50. 08-14-18

A-007