08 00 00 - Openings

08 00 00 General Information

Architects, in the design of project specific building enclosure systems, shall consider the unique characteristics of the generally hot-humid environment of Conway, SC. Attention to high wind risks and corrosion potential should also be considered.

Architects and Engineers are responsible for proper selection of materials in each building system for specific projects; these standards do not relieve the designer from that responsibility.


08 11 13 Hollow Metal Doors and Frames

Interior and exterior steel doors and steel frames.

Products:

- Interior Doors: Level 2, Physical Performance Level B (Heavy Duty), Model 2 (Seamless).
- Interior Frames: Cold rolled, knocked down, Level 2, shop primed.
- Exterior Doors: CCU preference is for FRP exterior doors (see 08 17 43) if conditions prohibit use of FRP door, use Level 3, Physical Performance Level A (Extra Heavy Duty), Model 2 (Seamless).
- Exterior Frames: Cold rolled, welded, seamless, Level 3, shop primed.

08 14 16 Flush Wood Doors

Solid-core (stranded core, not particle core) doors with wood veneer faces with factory finish, and factory machining for hardware.


Custom Grade A face, 5 Ply, Birch Plain Sliced, Book Match (between leaves), Balance Match (door faces). Premium transparent finish AWI TR-6.


08 17 43 Flush FRP Doors

Doors with fiberglass reinforced polyester faces with integral factory finish, and factory machining for hardware.

Products: Special-Lite or equal.
08 33 23 Overhead Coiling Doors

Service and Counter Doors
Products: Cookson, Cornell, KcKeon, Overhead Door, Wayne-Dalton.


08 41 13 Aluminum Entrances and Storefronts

Exterior aluminum framed storefronts, and manual swing aluminum doors and frames.
Products: EFCO, Kawneer, TRACO, YKK

Storefront: Hurricane resistant YKK, YHS 50 TU.
Doors: Hurricane resistant 35H Medium Stile.
LEED Considerations: Environmental Quality, EQ 4.1, Sealant VOC Content.

08 44 13 Glazed Aluminum Curtain Walls

Exterior glazed aluminum curtain walls.
Products: EFCO, Kawneer, TRACO, YKK

Curtain wall: Hurricane resistant YKK, YHC 300OG.
LEED Considerations: Environmental Quality, EQ 4.1, Sealant VOC Content.

08 51 13 Aluminum Windows

Exterior aluminum windows. Single hung if operable.
Products: EFCO, Kawneer, TRACO, YKK

Window: YKK, YVS 410 TUH.
LEED Considerations: Environmental Quality, EQ 4.1, Sealant VOC Content.

08 71 00 Door Hardware

Submit hardware specification to CCU for review during the design phase. Also review hardware submittal during construction phase with the Project Manager who will coordinate a review with the campus locksmith.

Butt Hinges: ANSI/ BHMA A156.1, Ball Bearing. Exterior Doors: BHMA #630 (US32D), Interior Doors: BHMA #652 (US26D), Bommer (BB5000 / BB5002), Hager, Ives.

Geared Continuous Hinges at high traffic areas: ANSI/ BHMA A156.26 Grade 1, BHMA #628 (US27) Hager: 780-112 HD, Ives: 112HD, Select: SL-11HD
Locksets and Latchsets: BHMA #626 (US26D), Best Lock: 40H Series. Best 93K7xx HD Lever.

Exit Devices: ANSI/ BHMA A156.3, Grade 1; BHMA #626 (US26D); Von Duprin: 35A/98 Series. CCU prefers no vertical rods, use keyed removable mullion at door pairs.

Door closers ANSI/ BHMA A156.4, Grade 1, BHMA #689 BRT Brite Metallic Power coat LCN (4010 or 4111 series).

Flushbolts: ANSI/ BHMA A156.16; BHMA #630 (US32D); Ives: FB458; Rockwood: 555; Trimco: 3917.

Push Plates, Pull Bars, and Grips; ANSI/ BHMA A156.6; BHMA #630 (US32D);

Locations and sizes to be determined by project.

Door Protection Devices; ANSI/ BHMA A156.6; BHMA #630 (US32D); Trimco; Ives: 8400; Rockwood.

Locate at stair doors. Other locations and sizes to be determined by project.

Overhead Stops and Holders. CCU preference is to not use these devices unless absolutely necessary.

Auxiliary Hardware

Silencers: ANSI/ BHMA A156.16. Trimco; Ives: SR64; Rockwood: 608

Wall Bumpers: BHMA #626 (US26D); Trimco; Ives: WS401CCV; Rockwood: 403

Interior Floor-Mounted Stops: Finish: BHMA #626 (US26D) Trimco; Ives: FS436/438; Rockwood: 441

Accessory Hardware

Key Cabinet: not required.

Key Keeper (knox box): Recessed mounted. Satin aluminum; American Postal: KK Series; Model #N1004652; Bommer: 5622; Salsbury Industries: 1095

Electrically Operated Hardware - Review any proposed use of electronically operated hardware with the Project Manager.

Power Transfer Devices: Von Duprin: EPT10

Electric Strikes: ANSI/ BHMA A156.5, Grade 1. BHMA #630 (US32D). Von Duprin: 6200 Series

Access Control Devices: Request-to-Exit Button: Schlage: 621AL EX

Electro-Magnetic Locks: ANSI/ BHMA A156.23; Schlage: 320+ Series DSM/MBS

See also division 28 Electronic Safety and Security.

Cylinders, Keying, and Key Control

Meet with Architect and Owner to finalize keying requirements and obtain keying instructions in writing. Keying schedule shall be established in compliance with specific requirements determined in consultation with Owner.

Cores and Keys: Best Access System, keyed to Owner’s existing key system.
Coastal Carolina University Design Guidelines

08 80 00 Glazing

For Doors, Windows, Glazed Entrances and Curtainwalls select glass that will optimize energy performance. As a minimum design standard consider the following. Architect will have ultimate responsibility for glazing selection.

**East and North** Facing Walls: Low-E, Impact Resistant Insulating-Glass Units.

- Overall Unit Thickness: 1-5/16 inch.
- Thickness of Outdoor Lite: 6.0 mm.
- Outdoor Lite: Heat-strengthened float glass; fully tempered where indicated on the drawings.
- Interspace Content: Air.
- Indoor Lite: Class 1 (clear), laminated (impact resistant) glass.
- Low-E Coating: Pyrolytic on second surface.
- Visible Light Transmittance: 68 percent minimum.
- Winter Nighttime U-Factor: 0.29 maximum.
- Summer Daytime U-Factor: 0.27 maximum.
- Solar Heat Gain Coefficient: 0.37 maximum.
- Light to Solar Heat Gain: 1.83 minimum.
- Basis-of-Design Product: PPG Industries; Solarban 60.

**South and West** Facing Walls: Low-E, Impact Resistant Insulating-Glass Units.

- Overall Unit Thickness: 1-5/16 inch.
- Thickness of Outdoor Lite: 6.0 mm.
- Outdoor Lite: Heat-strengthened float glass; fully tempered where indicated on the drawings.
- Interspace Content: Air.
- Indoor Lite: Class 1 (clear), laminated (impact resistant) glass.
- Low-E Coating: Pyrolytic on second surface.
- Visible Light Transmittance: 62 percent minimum.
- Winter Nighttime U-Factor: 0.28 maximum.
- Summer Daytime U-Factor: 0.26 maximum.
- Solar Heat Gain Coefficient: 0.27 maximum.
- Light to Solar Heat Gain: 2.30 minimum.
- Basis-of-Design Product: PPG Industries; Solarban 70XL Starphire.