

Project Name: UNIVERSITY OF ARKANSAS IDIQ NEW BUILDING
 TRIPLE-S ALARM CO., INC. -----GE EST SUPPLIER

Access Control

DESCRIPTION OF EQUIPMENT

PRICE INSTALLED/per each total price

M5 Enclosures

PXNplus CPU requires Facility Commander Wnx

M5 PXNplus, FC Wnx, Secure Perfect - Serial & Ethernet, 10/100Mb \$1,891.62 \$0.00

M5 & M3000 Reader, Input and Output Option Boards

16 Digital Output with relays, 16 -.04A @ 24VDC (max.), Micro/5-All versions \$531.89 \$0.00

20 Digital Input, 20 supervised points, 1K supervision resistors supplied, Micro/5-All versions \$531.89 \$0.00

8RP Reader Interface, 12VDC F/2F and Supervised F/2F readers, No provision for REX or Door Status contacts.
 M/5-all versions, not in combination with 2RP or 2SRP \$867.63 \$0.00

Power Supply and Battery Backup

Power Supply 3 amp, 110VAC to 12VDC, (UL listed) \$104.12 \$0.00

Battery Back-Up and Power Supply, 6-amp, 110/220VAC, UL294, FCC, CE listed, 7-Ah battery. Enclosure: 10 x
 12 x 6 inches. Recommended for M/5-PX, M/5-PXN, and M/5-PXNplus microcontrollers. Not required for
 M/2000-PX(N) or M/3000-PX(N). \$422.06 \$0.00

Readers and Door Hardware

Model T-520SW reader kit, gray single-width, F/2F and Wiegand formats, 18" pigtail, with MR/J Box. \$457.65 \$0.00

Proximity Cards with external ID, Single Side Printing. \$3.05 \$0.00

Proximity Key Fobs \$4.60 \$0.00

Push to Exit Buttons \$101.70 \$0.00

Egress Motions for Doors \$166.79 \$0.00

Single Mag-locks (PROVIDED AND INSTALLED BY DOOR HARDWARE CONTRACTOR) \$0.00 \$0.00

Single Mag-locks (PROVIDED AND INSTALLED BY TRIPLE-S ALARM) \$289.85 \$0.00

Double Mag-locks (PROVIDED AND INSTALLED BY DOOR HARDWARE CONTRACTOR) \$0.00 \$0.00

Double Mag-locks (PROVIDED AND INSTALLED BY TRIPLE-S ALARM) \$625.46 \$0.00

Door Strikes (PROVIDED AND INSTALLED BY DOOR HARDWARE CONTRACTOR) \$0.00 \$0.00

Door Strikes (PROVIDED AND INSTALLED BY TRIPLE-S ALARM) \$274.59 \$0.00

Service outside of warranty \$80.00 / Per Hour

After Hour Service Call outside of warranty 8 AM TO 5 PM Normal Business Hours \$120.00 / Per Hour

Factory Training As described in Specs (Current Prices of Hotel and Air Fare) \$5,125.00 each person \$0.00

Response Time 1 hrs / 24 hrs system working

Access Control Maintenance Agreement (Devices for this building only) (See Attached) \$11,278.00 \$0.00

Maintenance Agreement Calculated Not to EXCEED 7.5% of System Total Price On 1st Year
 add 5% every year there after.

Access 3 Year Warranty Only (Without Maintenance Agreement) \$0.00 \$0.00

Access Additional 2 Year Warranty Only (Without Maintenance Agreement) \$14,847.00 \$0.00

Access Control 18awg 8 conductor Power (enter numerical value per thousand feet) \$0.58 cents per foot \$0.00

Access Control 22/4 awg (enter numerical value per thousand feet) \$0.09 cents per foot \$0.00

Line Items Include (Labor, P/P Bond, Design Consultant, Shipping, Plans) Line Item Prices Reflect Change
 Orders, Future Budget Pricing. Sales Tax Is Not Included.

Line Items Total Cost \$0.00

Material and Installation Cost \$0.00

TAXES WILL BE ADDED AT TIME OF CONTRACT SIGNING

DIVISION 08 – OPENINGS

08 00 00 Openings

08 01 00 Operation and Maintenance of Openings

- 08 01 10 Operation and Maintenance of Doors and Frames
- 08 01 11 Operation and Maintenance of Metal Doors and Frames
- 08 01 14 Operation and Maintenance of Wood Doors
- 08 01 15 Operation and Maintenance of Plastic Doors
- 08 01 16 Operation and Maintenance of Composite Doors
- 08 01 17 Operation and Maintenance of Integrated Door Opening Assemblies
- 08 01 30 Operation and Maintenance of Specialty Doors and Frames
- 08 01 32 Operation and Maintenance of Sliding Glass Doors
- 08 01 33 Operation and Maintenance of Coiling Doors and Grilles
- 08 01 34 Operation and Maintenance of Special Function Doors
- 08 01 35 Operation and Maintenance of Folding Doors and Grilles
- 08 01 36 Operation and Maintenance of Panel Doors
- 08 01 39 Operation and Maintenance of Traffic Doors
- 08 01 40 Operation and Maintenance of Entrances, Storefronts, and Curtain Walls
- 08 01 41 Operation and Maintenance of Entrances
- 08 01 42 Operation and Maintenance of Storefronts
- 08 01 44 Operation and Maintenance of Curtain Walls
- 08 01 50 Operation and Maintenance of Windows
- 08 01 51 Operation and Maintenance of Metal Windows
- 08 01 52 Operation and Maintenance of Wood Windows
 - 08 01 52.61 Wood Window Repairs
 - 08 01 52.71 Wood Window Rehabilitation
 - 08 01 52.81 Wood Window Replacement
 - 08 01 52.91 Wood Window Restoration
 - 08 01 52.93 Historic Treatment of Wood Windows
- 08 01 53 Operation and Maintenance of Plastic Windows
- 08 01 54 Operation and Maintenance of Composite Windows
- 08 01 56 Operation and Maintenance of Special Function Windows
- 08 01 60 Operation and Maintenance of Skylights and Roof Windows
- 08 01 61 Operation and Maintenance of Roof Windows
- 08 01 62 Operation and Maintenance of Unit Skylights
- 08 01 63 Operation and Maintenance of Metal –Framed Skylights
- 08 01 64 Operation and Maintenance of Plastic-Framed Skylights
- 08 01 70 Operation and Maintenance of Hardware
- 08 01 71 Operation and Maintenance of Door Hardware
- 08 01 74 Operation and Maintenance of Access Control Hardware
- 08 01 75 Operation and Maintenance of Window Hardware
- 08 01 80 Maintenance of Glazing
- 08 01 81 Maintenance of Glass Glazing
- 08 01 84 Maintenance of Plastic Glazing
- 08 01 88 Maintenance of Special Function Glazing
- 08 01 90 Operation and Maintenance of Louvers and Vents

08 01 91 Operation and Maintenance of Louvers
08 01 92 Operation and Maintenance of Louvers Equipment Enclosures
08 01 95 Operation and Maintenance of Vents

08 05 00 Common Work Results for Openings

08 06 00 Schedules for Openings

08 06 10 Door Schedule

CONSULTANT DESIGN GUIDELINE

It is the desire of the University that all doors to be at least 3-0 x 7-0 if design considerations allow it.

Mullions, where utilized on exterior doors, shall be removable.

08 06 10.13 Door Type Schedule
08 06 10.16 Frame Type Schedule
08 06 40 Schedules for Entrances, Storefronts, and Curtain Walls
08 06 41 Entrance Schedule
08 06 42 Storefront Schedule
08 06 50 Window Schedule

08 06 60 Skylight Schedule
08 06 70 Hardware Schedule

08 06 71 Door Hardware Schedule

CONSULTANT DESIGN GUIDELINE

All door hardware to be ADA compliant

08 06 80 Glazing Schedule

CONSULTANT DESIGN GUIDELINE

Double glazed – 1” insulating glass

08 06 90 Loper and Vent Schedule

08 08 00 Commissioning of Openings

SECTION 08 10 00 DOORS AND FRAMES

08 11 00 Metal Doors and Frames

SECTION 08 11 13

HOLLOW METAL DOORS AND FRAMES

CONSULTANT DESIGN GUIDELINE

Metal Frames. Provide metal frames with wrought box, strike cover and hinge reinforcement covers. Fabricate hinge reinforcement from plate stock (1/4" x 9") or (3/16" x 9") C1018 steel 160-scale Brinell hardness. Detail reinforcement to be securely attached to the frame with a minimum of four contacts each side of opening.

Hollow metal frames shall be minimum 16 Gauge with all visible joints welded and ground smooth.

Anchor all metal doorframes seven (7) feet or less to masonry or concrete wall with a minimum of three (3) jamb anchors. Doors over seven (7) feet shall have a minimum of four (4) jamb anchors.

Holders And Closers. Detail reinforcing for holders and closers to be a box type or double channel of not less than 10 gauge steel for three-bolt attachment. Reinforcing for field attachment of corner brackets is to be not less than eight (8) gauge steel.

Mullions. All interior and exterior double doors shall have keyed removable mullions.

Metal Doors. Prep all metal doors not requiring exit devices for full mortise locksets.

INCLUDE IN CONSTRUCTION DOCUMENTS

Metal Frames. Slush all metal frames in masonry walls full of mortar as adjacent masonry walls are laid.

END SECTION

08 11 13.13 Standard Hollow Metal Doors and Frames

08 11 13.16 Custom Hollow Metal Doors and Frames

SECTION 08 11 16
ALUMINUM DOORS AND FRAMES

CONSULTANT DESIGN GUIDELINE

Aluminum Storefronts. Aluminum entrance and storefront system members shall not be less than 3 1/2" deep. Provide all frames scheduled to receive closers or holders with head bar for attaching hardware.

Aluminum Storefront Doors. All aluminum storefront doors shall be medium or wide stile doors. All aluminum storefront doors shall have butt hinges. Do not allow pivot hinges.

END SECTION

- 08 11 19 Stainless-Steel Doors and Frames
- 08 11 23 Bronze Doors and Frames
- 08 11 63 Metal Screen and Storm Doors and Frames
 - 08 11 63.13 Steel Screen and Storm Doors and Frames
 - 08 11 63.23 Aluminum Screen and Storm Doors and Frames
- 08 11 66 Metal Screen Doors and Frames
 - 08 11 66.13 Steel Screen Doors and Frames
 - 08 11 66.23 Aluminum Screen Doors and Frames
- 08 11 69 Metal Storm Doors and Frames
 - 08 11 69.13 Steel Storm Doors and Frames
 - 08 11 69.23 Aluminum Storm Doors and Frames
- 08 11 73 Sliding Metal Firedoors
- 08 11 74 Sliding Metal Grilles

- 08 12 00 Metal Frames**
- 08 12 13 Hollow Metal Frames
 - 08 12 13.13 Standard Hollow Metal Frames
 - 08 12 13.53 Custom Hollow Metal Doors and Frames
- 08 12 16 Aluminum Frames
- 08 12 19 Stainless-Steel Frames
- 08 12 23 Bronze Frames

- 08 13 00 Metal Doors**
- 08 13 13 Hollow Metal Doors
 - 08 13 13.13 Standard Hollow Metal Doors
 - 08 13 13.53 Custom Hollow Metal Frames
- 08 13 16 Aluminum Doors
- 08 13 19 Stainless-Steel Doors
- 08 13 23 Bronze Doors

08 13 73 Sliding Metal Doors
08 13 76 Bifolding Metal Doors

08 14 00 Wood Doors

08 14 13 Carved Wood Doors
08 14 16 Flush Wood Doors
08 14 23 Clad Wood Doors
 08 14 23.13 Metal-Faced Wood Doors
 08 14 23.16 Plastic-Laminate-Faced Wood Doors
 08 14 23.19 Molded-Hardboard-Faced Wood Doors

08 15 00 Plastic Doors

08 15 13 Laminated Plastic Doors
08 15 16 Solid Plastic Doors
08 15 66 Plastic Screen Doors
08 15 69 Plastic Storm Doors
08 15 73 Sliding Plastic Doors
08 15 76 Bifolding Plastic Doors

08 16 00 Composite Doors

08 16 13 Fiberglass Doors
08 16 73 Sliding Composite Doors
08 16 76 Bifolding Composite Doors

08 17 00 Integrated Door Opening Assemblies

08 17 13 Integrated Metal Door Opening Assemblies
08 17 23 Integrated Wood Door Opening Assemblies
08 17 33 Integrated Plastic Door Opening Assemblies
08 17 43 Integrated Composite Door Opening Assemblies

08 30 00 SPECIALTY DOORS AND FRAMES

08 31 00 Access Doors and Panels
08 31 13 Access Doors and Frames
 08 31 13.53 Security Access Doors and Frames
08 31 16 Access Panels and Frames

08 32 00 Sliding Glass Doors

08 32 13 Sliding Aluminum-Framed Glass Doors
08 32 16 Sliding Plastic-Framed Glass Doors
08 32 19 Sliding Wood-framed Glass Doors

08 33 00 Coiling Doors and Grilles

08 33 13 Coiling Counter Doors
08 33 16 Counter Grilles
08 33 23 Overhead Coiling Doors
08 33 26 Overhead Coiling Grilles

08 33 33 Side Coiling Doors
08 33 36 Side Coiling Grilles

08 34 00 Special Function Doors

08 34 13 Cold Storage Doors
08 34 16 Hangar Doors
08 34 19 Industrial Doors
08 34 33 Lightproof Doors
08 34 36 Darkroom Doors
08 34 46 Radio-Frequency-Interference Shielding Doors
08 34 49 Radiation Shielding Doors and Frames
 08 34 49.13 Neutron Shielding Doors and Frames
08 34 53 Security Doors and Frames
08 34 56 Security Gates
08 34 59 Vault Doors and Day Gates
08 34 63 Detention Doors and Frames
 08 34 63.13 Steel Detention Doors and Frames
 08 34 63.16 Steel Plate Detention Doors and Frames
 08 34 63.33 Detention Door Frame Protection
08 34 73 Sound Control Door Assemblies

08 35 00 Folding Doors and Grilles

08 35 13 Folding Doors
 08 35 13.13 Accordion Folding Doors
 08 35 13.23 Folding Fire Doors
 08 35 13.33 Panel Folding Doors
08 35 16 Folding Grilles
 08 35 16.13 Accordion Folding Grilles

08 36 00 Panel Doors

08 36 13 Sectional Doors
08 36 16 Single-Panel Doors
08 36 19 Multi-Leaf Vertical Lift Doors
08 36 23 Telescoping Vertical Lift Doors

08 38 00 Traffic Doors

08 38 13 Flexible Strip Doors
08 38 16 Flexible Traffic Doors
08 38 19 Rigid Traffic Doors

08 39 00 Pressure-Resistant Doors

08 39 13 Airtight Doors
08 39 19 Watertight Doors
08 39 53 Blast-Resistant Doors

08 40 00 ENTRANCES, STOREFRONTS, AND CURTAIN WALLS

08 41 00 Entrances and Storefronts

08 41 13 Aluminum-Framed Entrances and Storefronts
08 41 16 Bronze-Framed Entrances and Storefronts
08 41 19 Stainless-Steel-Framed Entrances and Storefronts
08 41 23 Steel-Framed Entrances and Storefronts
08 41 26 All-Glass Entrances and Storefronts

08 42 00 Entrances

08 42 26 All-Glass Entrances
08 42 29 Automatic Entrances
 08 42 29.13 Folding Automatic Entrances
 08 42 29.23 Sliding Automatic Entrances
 08 42 29.33 Swinging Automatic Entrances
08 42 33 Revolving Door Entrances
 08 42 33.13 Security Revolving Entrances
08 42 36 Balanced Door Entrances
08 42 39 Pressure-Resistant Entrances
08 42 43 Intensive Care Unit/Critical Care Unit Entrances

08 43 00 Storefronts

08 43 13 Aluminum-Framed Storefronts
08 43 16 Bronze-Framed Storefronts
08 43 19 Stainless-Steel-Framed Storefronts
08 43 23 Steel-Framed Storefronts
08 43 26 All-Glass Storefronts
08 43 29 Sliding Storefronts

08 44 00 Curtain Wall and Glazed Assemblies

08 44 13 Glazed Aluminum Curtain Walls
08 44 16 Glazed Bronze Curtain Walls
08 44 19 Glazed Stainless-Steel Curtain Walls
08 44 26 Structural Glass Curtain Walls
 08 44 26.13 Structural Sealant Glazed Assemblies
08 44 33 Sloped Glazing Assemblies

08 45 00 Translucent Wall and Roof Assemblies

08 45 13 Structured-Polycarbonate-Panel Assemblies
08 45 23 Fiberglass-Sandwich –Panel Assemblies

08 50 00 WINDOWS

CONSULTANT DESIGN GUIDELINE

Operable windows (awning, sliding, or casement) to be utilized in appropriate locations.

08 51 00 Metal Windows

08 51 13 Aluminum Windows
08 51 16 Bronze Windows
08 51 19 Stainless-Steel Windows

08 51 23 Steel Windows
08 51 66 Metal Window Screens
08 51 69 Metal Storm Windows

08 52 00 Wood Windows

08 52 13 Metal-Clad Wood Windows
08 52 16 Plastic-Clad Wood Windows
08 52 66 Wood Window Screens
08 52 69 Wood Storm Windows

08 53 00 Plastic Windows

08 53 13 Vinyl Windows
08 53 66 Vinyl Window Screens
08 53 69 Vinyl Storm Windows

08 54 00 Composite Windows

08 54 13 Fiberglass Windows
08 54 66 Fiberglass Window Screens
08 54 69 Vinyl Storm Windows

08 55 00 Pressure-Resistant Windows

08 56 00 Special Function Windows

08 56 19 Pass Windows
08 56 46 Radio-Frequency-Interference Shielding Windows
08 56 49 Radiation Shielding Windows
08 56 53 Security Windows
08 56 56 Security Window Screens
08 56 59 Service and Teller Window Units
08 56 63 Detention Windows
08 56 66 Detention Window Screens
08 56 73 Sound Control Windows

08 60 00 ROOF WINDOWS AND SKYLIGHTS

08 61 00 Roof Windows

08 61 13 Metal Roof Windows
08 61 16 Wood Roof Windows

08 62 00 Unit Skylights

08 62 13 Domed Unit Skylights
08 62 16 Pyramidal Unit Skylights
08 62 19 Vaulted Unit Skylights

08 63 00 Metal-Framed Skylights

08 63 13 Domed Metal-Framed Skylights
08 63 16 Pyramidal Metal-Framed Skylights
08 63 19 Vaulted Metal-framed Skylights
08 63 23 Ridge Metal-Framed Skylights

08 63 53 Motorized Metal-Framed Skylights

08 64 00 Plastic-Framed Skylights

08 67 00 Skylight Protection and Screens

08 70 00 HARDWARE

SECTION 08 71 00
DOOR HARDWARE

CONSULTANT DESIGN GUIDELINE

Submit all finish hardware selections to Facilities Management for approval.

The University door lock system is a mortise lockset system Corbin Russwin 2000 series with mortise lock cylinders.

Specify seven pin Corbin Russwin Pyramid mortise type cylinder, on all new construction except where it is necessary to match an existing lock system, Corbin Russwin key way, Standard 1000 Series, or IC cores where specified.

The University will not accept floor closers or overhead-concealed closers.

Concealed rod panics and surface mounted panic devices will not be used. Only Von Duprin 99NL rim panics will be used. Where double doors are used, a keyed removable mullion with the Von Duprin 99NL rim panic shall be used. No concealed closers of any kind shall be used.

INCLUDE IN CONSTRUCTION DOCUMENTS

Locks:

Type: Corbin Russwin 2000 Series with mortise lock cylinders.

Cylinders: Seven pin Corbin Russwin mortise type.

Finishes: Lock finish will be selected by the University.

Closers:

Interior Use: LCN 4041 Super Smoothee, surface mount.

Exterior Use: LCN 4041 Super Smoothee, surface mount.

Exit Devices:

For Metal Doors: Von Duprin Series 99NL.

For Wood Doors: Von Duprin Series 99NL.

For Single Doors: Von Duprin 99NL series center latch where applicable.

Automatic Door Openers: Use LCN Auto Equalizer automatic door model 4642 for push side and 4630 for pull side.

Hinges: All doors opening out from a space considered a secure space shall have non-removable hinge pins regardless whether the door is interior or exterior.

Keyways. All key systems for new construction will be IC core Corbin/Russwin, Pyramid. For renovation, match existing keyway unless specified differently by the Facilities Management Construction Coordinator.

Key Schedule. Obtain a key schedule from Facilities Management. After reviewing the key schedule with the key vendor, submit a project key schedule along with key biting to Facilities Management for approval.

Coordination. A representative of Corbin Russwin, Facilities Management, and building users shall work directly to formulate a keying system and delivery requirements.

Security During Construction. Key lock cylinders to the appropriate Grand Master, Master, day keys and to a construction master key that will operate all Russwin or Corbin cylinders while the building is under construction, but will NOT operate once the construction key has been VOIDED by change of master or Grand Master key without removal of the cylinders from the locks. The hardware vendor shall furnish lock cylinders and keys. Deliver the Grand Master, Master, and day key to Facilities Management.

Cylinders:

All cylinders shall be subject to a grand master "A" a master "AA", "AB", "AC", "AD", "AE", "AF", "AG", or "AH", a change key, and a construction master, as directed by Facilities Management.

EXECUTION

Delivery. The cylinder manufacturer shall deliver the keyed cylinders to the job contractor for installation by the contractor.

Keys:

Key Bows. Stamp key bows with applicable change key room number as directed by Facilities Management, and with "Univ. of Ark. Do Not Duplicate."

Key Quantities. Provide the following quantity of keys:

Grand Master stamped "GMK A": 10
Master stamped "AA": 15
Master stamped "AB": 15
Master stamped "AC": 15
Master stamped "AD": 15
Change keys stamped with the applicable key room numbers: 7
Key blanks in the proper key way: 200

Additional keys as directed by Facilities Management.

Delivery. Deliver keys by registered or certified mail to Key Office, University of Arkansas Facilities Management, 521 S. Razorback Road, Fayetteville, Arkansas 72701.

Note:

Housing Projects may have different requirements. Please check with UofA Construction Coordinator to confirm.

END SECTION

08 71 13 Automatic Door Operators

08 71 53 Security Door Hardware

08 71 63 Detention Door Hardware

SECTION 08 74 00
ACCESS CONTROL HARDWARE

CONSULTANT DESIGN GUIDELINE

Access control hardware has an IDIQ contract (see attachment) that specifies the facility commander system. No other access control hardware will be acceptable.

EXECUTION

Installation Guidelines:

Install card access on auditorium if the doors also have key access and the ability to disable the access control system.

Install Corbin Russwin Access 800 Keypads on all Laboratory and Classroom doors.

The access control equipment is considered the property of the installing department or college. Maintenance of these systems will be the sole responsibility of the installing department.

Install systems on exterior doors of a building only after review by Department of Public Safety and Facilities Management. Maintain fire egress. A system of control and reporting of who has card access to a building, for those buildings controlled by Facilities Management, must be worked out between the department and Facilities Management before the installation of an access control system.

Do not install access control systems on mechanical or custodial rooms, restrooms, service areas, or roof access without the approval of Facilities Management.

Any room or building with an access control system, and where the key lock is no longer functional, must have at least one door that is accessible with a building master key.

Guarantee the integrity of the fire system by providing a delay in the access control system that will break the circuit controlling the locking system whenever there is a fire signal.

END SECTION

08 74 13 Card Key Access Control Hardware
08 74 16 Keypad Access Control Hardware
08 74 19 Biometric Identity Access Control Hardware

08 75 00 Window Hardware

08 75 13 Automatic Window Equipment
08 75 16 Window Operators

SECTION 08 78 00

SPECIAL FUNCTION HARDWARE

08 79 00 Hardware Accessories
08 79 13 Key Storage Equipment

08 80 00 GLAZING

SECTION 08 81 00
GLASS GLAZING

CONSULTANT DESIGN GUIDELINE

Specify all windows to have dual pane glass with low emissive coatings on third surface. Furnish metal windows with thermal break. All classroom windows, unless otherwise advised by Facilities Management, shall be equipped with audio-visual blinds or other approved window coverings.

Maximum transmission allowable to meet Arkansas Energy Code.No reflective glass.

END SECTION

08 81 13 Decorative Glass Glazing

08 83 00 Mirroring

08 83 13 Mirrored Glass Glazing

08 83 16 Mirrored Plastic Glazing

08 84 00 Plastic Glazing

08 84 13 Decorative Plastic Glazing

08 85 00 Glazing Accessories

08 87 00 Glazing Surface Films

08 87 13 Solar Control Films

08 87 16 Safety Films

08 87 53 Security Films

08 88 00 Special Function Glazing

08 88 19 Hurricane-Resistant Glazing

08 88 23 Cable Suspended Glazing

08 88 33 Transparent Mirrored Glazing

08 88 39 Pressure-Resistant Glazing

08 88 49 Radiation-Resistant Glazing

08 88 53 Security Glazing

08 88 56 Ballistics-Resistant Glazing

08 90 00 LOUVERS AND VENTS

08 91 00 Louvers

08 91 13 Motorized Wall Louvers

08 91 16 Operable Wall Louvers

08 91 19 Fixed Louvers

08 91 26 Door Louvers

08 92 00 Louvered Equipment Enclosures

08 95 00 Vents

08 95 13 Soffit Vents

08 95 16 Wall Vents