

July 16, 2024

ADDENDUM NO. 9

CHOCTAW COUNTY JAIL
BUTLER, ALABAMA

This Addendum No. 9, to the plans and specifications, dated May 30, 2024, consists of Eight (8) Pages.

- Item No. 1: Refer to Plans, All Module Details, Foundation Details, Sections and other elements related to concrete detention modules:
- A. Response to specific question: Per Contract Documents the modules are a 6 sided box. There is no slab required under the concrete modules. Please refer to all the above information.
- Item No. 2: Refer to Plans, Sheet E/A9.1:
- A. Note: This detail is cut through a hollow metal door frame mounted in the mechanical well wall. There is no insulation required at this door opening at this detail. Please note there is no sheathing required at the metal wall panel at this location if the metal wall panel option is utilized. See Addendum No. 4, Item No. 21 for option wall location.
- Item No. 3: Refer to Addendum No. 4, Reference New Personnel Gate and Electronic Locking Device added by Addendum at the east side of the facility:
- A. Install an intercom station at each side of the new personnel gate and interfaced with the Central Control Workstation.
- Item No. 4: Refer to Plans and Specifications:
- A. Choctaw County will pay for any building permit or utility fees connection directly to the City of Butler, Alabama.
 - B. Response to specific question: The Governing code for this project is 2015 IBC.
- Item No. 5: Refer to Construction Documents, All Sections, Details, and Sheet A1.3 with reference to Hollow Core Slab penetrations and coordination for the same:
- A. Response to specific question: Any applicable penetration through the hollow core planks may be adjusted as long as they are fully coordinated in the General Contractor's required coordination drawings for all disciplines and trades to include the following: Retrofit Roofing framing locations, Mechanical ductwork configurations, lighting locations, acoustical panel locations, and any other critical layout coordination requirement relative to the entire plenum space. No arbitrary and uncoordinated openings will be allowed.

This detail coordination drawing effort shall be completed prior to finish of any and all systems submittals within the plenum.

- Item No. 6: Refer to Plans, Sheet A/1.1, Property 168; Sheet T1.1, Alternate No. 2, and Specifications, Section 01 23 00, 3.1, Alternate No. 2:
- A. See attached Section 10 68 00 High Density Storage Shelving.
- Item No. 7: Refer to Specifications, Section 03 30 00 Cast In Place Building Concrete; 2.4E and F:
- A. Response to specific question: Granular base and sand are the same materials.
- Item No. 8: Refer to Specifications, Geotechnical Report:
- A. Response to specific question: The awarded General Contractor may conduct the load test as soon as needed.
- Item No. 9: Refer to Addendum No. 1, Item No. 2:
- A. Clarification: The undercut is an average of 2' below the original grade line across the building pad area.
- Item No. 10: Refer to Plans, Sheet M1.1:
- A. Delete Smoke Exhaust System Control Notes. These notes have been enhanced and included on attached Supplemental Drawing SD-11, M3.4.
 - B. Supply Fan Schedule. Reduce Supply Fan CFM by 1000 CFM for each fan.
- Item No. 11: Refer to Plans, Sheet M3.4 and attached SD-11:
- A. Reference added sheet for clarifications related to Firefighters Smoke Control Station and required interface/connections to be provided by the Fire Alarm System.
 - B. Clarification: The Firefighters Smoke Control Panel will require a fully functional UL 864 labeled DDC control panel complete with indicator lights, switches, and equipment interfaces as needed or required from the fire alarm control system panel.
- Item No. 12: Refer to Plans, Sheet SP1.1, Typical Sprinkler Detail:
- A. The ID of the 2" Schedule 80 Pipe is 1.939 inches (2.375" OD w/0.218 inch wall). The OD of the hub/band on the 1" diameter pipe is 1.77 inch (ASME B163). Therefore, there should be no issue with the sleeve specified.
- Item No. 13: Refer to Plans, Sheet SP1.1, Typical Steel Soffit Detail:
- A. Sprinkler piping is intended to run above ceiling panels. Soffi-Steel protective cover shall be used where there is no access above concrete ceilings, etc.
- Item No. 14: Refer to Specifications, Section 13 42 63.13, Equipped Precast Detention Modules:
- A. The sleeves inside the cell modules shall be 2 inch wall sleeves by Cell Fabricator.

END OF ADDENDUM NO. 9

CHOCTAW COUNTY JAIL
BUTLER, ALABAMA

DIVISION 10 SPECIALTIES
Section 10 68 00 High-Density Storage Shelving

PART 1 – GENERAL

Drawings and any general provisions of the Contract including General and Supplementary Conditions and specific requirements apply to this section.

1.01 Work Included

A. The work of this section includes all metal shelving shown on drawings, including:

1. High-density storage shelving in Property 168. See Drawings, Sheet A1.1

Scope:

1. Furnish labor, materials, equipment, special tools, supervision and services required to complete the mechanical assisted high-density mobile storage systems and shelving specified herein and shown on the drawings, including additional shelving and miscellaneous items. Cost shall include all necessary freight costs, installation and applicable taxes. Sub-Contractor will visit with both architect and end-user to determine the needs of the end-user and the requirements of the project, design systems to meet these needs and forward drawings to both the architect and end-user.

Upon completion of installation, an in-service will be given to all end-users on the proper use of each system, at which time a system-completion sign-off form will be signed by the General Contractor.

1.02 Related Work

- A. Section 01010 – Summary of Work
- B. Section 03010 – Concrete Work
- C. Section 06100 – Rough Carpentry

1.03 Quality Assurance

- A. The high-density storage system and other related items within this section shall be furnished and installed by those firms engaged in the manufacture of this type of equipment for the last ten years. The entire system shall be warranted by the manufacturer against defective parts and/or workmanship for a period of five (5) years from final acceptance for all mechanical parts and for a lifetime for all shelving.

PART 2 – PRODUCTS

2.01 Acceptable Manufacturers, subject to compliance with requirements but not limited to the following:

- A. Spacesaver Corporation or Equal.

2.02 Materials:

- A. Mobile Systems:

1. Rail

Guide Rail:

Rail shall be one-piece, cold drawn structural "T" section 1035 steel extrusion 1-1/16 inches (27mm) high with a 2-1/8-inch (54mm) base flange, a 5/8 inch (15.9mm) top surface and a center guide groove. Rail shall disperse the wheel point load to a minimum 4-1/4 square inch (27.5 cm²) area at the base of the rail. All rail joints to be tongue and groove. Rail shall have two leveling screws two permanently mounted floor anchors maximum 36 inches (914mm) o.c. All rail assemblies shall be fully grouted 1/4-inch minimum thickness with a non-shrink hydraulic cement type grout with an 8,000-lbs. P.S.I. (562 kg per cm²) strength after curing. Rail system shall be flush with finished floor with no gaps. Rails shall extend under stationary platforms to keep heights consistent.

2. Load Rail:

Rail shall be one-piece, cold drawn structural "T" section 1035 steel extrusion 1-1/16 inches (27mm) high with a 2-1/8-inch (54mm) base flange, a 5/8 inch (15.9mm) top surface. Rail design shall disperse the wheel point load to a minimum 4-1/4 square inch (27.5 cm²) area at the base of the rail. All rail joints to be tongue and groove. Rail shall have two leveling screws and two permanently mounted floor anchors maximum 36 inches (914mm) o.c. All rail assemblies shall be fully grouted 1/4-inch minimum thickness with a non-shrink hydraulic cement type grout with an 8,000-lbs. P.S.I. (562 kg per cm²) strength after curing. Rail system shall be flush with finished floor with no gaps. Rails shall extend under stationary platforms to keep heights consistent.

3. Carriage Design & Construction

Drive System:

Dual synchronized drive wheels on both sides of designated wheel channel assembly(s) to be 5" (127mm) diameter and connected with a no. 40 roller chain to ensure even wheel movement. Multiple Synchro System assemblies shall be interconnected with a continuous drive shaft for simultaneous wheel rotation and even, parallel carriage movement. Load wheels shall be 3" or 5" in diameter. All wheels to be machined from solid 1045 steel and equipped with two (2) permanently shielded bearing assemblies. Provide spacers on both sides of wheel bearings to eliminate friction between wheels and carriage.

4. Guidance System:

Provide two center-flanged wheels on each wheel channel assembly to mate with the center-grooved rail.

5. Standard Profile Carriages:

Carriages shall be minimum 1,000 lbs. (1500 kg) per linear carriage foot (meter) capacity, fixture unit welded, uniframe assemblies constructed of 12-gauge (2.6 mm thick) steel with main supporting structural face sections 5-3/4 inches (146 mm) high with two reinforcing flanges running the full length of the carriage. Main supporting structural face sections shall provide a 3/4 inch (19 mm) shelf mounting recess for positive shelving alignment and attachment. Wheel support sections shall be 12-gauge (2.6 mm thick) steel and shall be welded between the main support face sections, one per rail assembly. A minimum of two carriage face panel supports shall be provided for each face panel to fully support its weight and provide positive alignment. Carriage face sections shall provide a smooth clean appearance without any exposed assembly holes or protruding hardware. Carriage shall be powder coat painted from manufacturer's 18 standard colors.

Stationary platforms, as shown on the drawing, shall be of the same construction and height as the moveable carriages, and shall be anchored to the rails/floor.

Carriage and Platform Splice:

All carriage splices shall be tongue and groove, offset angle, tension bolted type, designed to maintain proper unit alignment and weight load distribution.

6. Mechanical Assist System Operation
Mechanical Assist Control Operation Requirements:
Each movable unit shall be equipped with one three-spoke turn handle, which transmits power through a direct drive to all drive wheels. One pound of effort shall move a minimum of 4,000 lbs. carriage weight.
7. Raised Floor
A raised floor shall be placed between rails above grade to prevent tripping. The floor shall be made of $\frac{3}{4}$ " BCX grade plywood panels. When floor covering is placed on top of raised floor, the floor shall be flush with the top of the rail. A ramp of the same material shall be placed at the front of each system. The front ramp shall not extend beyond the front edge of the face panel.
8. Laminated Face Panels
Face Panels:
All exposed ends and exposed backs shall have laminate panels (color to be selected from manufacturer's standards.). Two 3" X 5" (76 mm x 127 mm) cardholders shall be provided per aisle entry location with the centers located 60" (1525 mm) above the finished floor.

B. Shelving – Property 168

1. Four-post Design:
Four-post, wedge-locking design, consisting of three basic parts: Uprights, shelves and shelf supports; which are assembled without nuts, bolts, studs or clips of any kind; without any sway braces or gussets; and without the need for tools of any kind. There shall be no holes on exposed surfaces except that the shelves may be punched in for bin dividers and center stops. The front and back flange of the shelf shall be flush with the outside face of the post. Shelves shall be adjustable on 1-1/2" centers.
2. Materials and Workmanship:
The shelving shall consist of only the finest materials and highest quality of workmanship. The sheet metal used shall be cold rolled, Class I steel. Individual components to be as follows:
 - a. Closed Upright:
Closed uprights shall consist of 2" wide, 18-gauge cold rolled steel posts rolled into a hollow "Tee" formation (or angle formation for row ends if desired), with keyhole slots on the inner wall only, on 1-1/2" centers. These shall be joined by welding a 24-gauge closure sheet to give the required upright depth and rigidity for erection. The "Tee" upright shall be used as a common upright between the units. All uprights provided are to be closed.
 - b. Standard File Shelf:
Shelves shall be formed of 22-gauge cold rolled steel with 5/8" flanges on all sides. Front and back flanges to be turned in. (Ends form flush to clear inside offset panel of upright.)
 - c. Standard File Shelf Support:
Shelf supports shall be formed of 14-gauge hot rolled, pickled steel, $\frac{3}{4}$ " high with four (4) shoulder rivets. Rivets shall be 7/16" in diameter at the

head. Each ear of the shelf support shall contain two shoulder rivets spaced to set into the keyhole slots on the inner wall of the upright.

- d. **Heavy Duty Shelf:**
Shelves shall be formed of 18-gauge cold rolled steel with 5/8" flanges on all sides. Front and back flanges to be turned in. (Ends form flush to clear inside offset panel of upright.)
- e. **Heavy Duty Shelf Support:**
Shelf supports shall be formed of 11-gauge hot rolled, pickled steel, 1-1/4" high with four (4) shoulder rivets. Rivets shall be 7/16" in diameter at the head. Each ear of the shelf support shall contain two shoulder rivets spaced to set into the keyhole slots on the inner wall of the upright.
- f. **Center Stops:**
Center stops shall be provided of 19-gauge cold rolled steel 3-3/4" high fastened by bolting it to the shelf.
- g. **Back Stops:**
Back stops shall be formed of 18-gauge cold rolled steel with a hem at the top that serves as a rail for sliding support. There shall be two shoulder rivets with a 7/16" diameter head for assembly into the posts. Backstop is 2-1/8" high and is for single-entry units only.
- h. **Shelf Reinforcements:**
Shelf reinforcements shall be provided to maintain a minimum of 250 pounds per shelf without abnormal deflection.
- i. **File Dividers:**
File dividers shall be a flat shape blanked from 18-gauge steel with two tabs to enter mating slots in shelf and a retaining tab on back edge to locate and stabilize divider against back or center stop. Divider is self-locking on shelf. Shelf filing divider is 6" high. Provide four (4) dividers per 42" face per opening and three (3) dividers per 36" face per opening for file storage.
- j. **Front Base:**
Front base shall be made from 20-gauge cold rolled steel and shall be a flat strip with 1/2 inch stiffening flange across the bottom edge. Flange is punched with three holes to match shelf holes and may be used for a flat center stop.
- k. **Finish:**
All metal components to be powder coat painted. Color to be chosen from standard colors.
- l. **Garment Hanging Rods:**
Garment hanging rails shall be manufactured from zinc-plated cold rolled low carbon steel. Rails shall be secured to 12-gauge cold rolled steel brackets with 1/4-20 truss-head steel screws in 650-pound solid pressed pre-threaded steel knurls and be easily adjustable. Assembly construction shall be contiguous to minimize diagonal torqueing of components to provide shelving unit with added stability and strength.
- m. **Garment Bags:**
One thousand garment bags for storage of inmates' personal effects shall be provided. These bags shall be 22" wide x 35" long x 4" deep. The overall length, including the hanger, shall not exceed 41".

The bag shall be made of heavy-duty monofilament nylon mesh, 1" yellow bias tape and yellow thread. The nylon mesh shall be blue with yellow binding.

Each bag shall have a 19.5" 6-gauge chrome-plated hanger with a turned-up end. Each hanger shall have a hanger ring with clear tubing and a washer above the hanger ring. Each bag shall have a grommet at the top of the bag for the hanger to pass through. Each hanger shall open to the left.

Each bag shall have one clear plastic pocket on the front panel of the bag, with a top opening.

2.02 Description:

A. Property Room – Bid Item No. 1:

1. 48" deep fixed unit to use heavy duty shelves and 1-1/4" shelf supports with two shelves plus top evenly spaced.
2. 48" deep mobile shelving use 1-1/4" shelf supports with two shelves plus top, evenly spaced.
3. 24" deep fixed use 1-1/4" shelf supports with two shelves plus top, evenly spaced.

PART 3 – EXECUTION:

3.01 Installation:

- A. Units to be installed with factory trained supervision per manufacturer's written instructions. All tracks to be leveled and all gaps between track and floor to be filled with fast setting cement to form a solid base. All rails to be anchored to floor.

3.02 Clean-Up:

- A. Leave installation in broom clean condition, complete and ready for use by Owner.

3.03 Instructions:

- A. Provide the Owner with operating and maintenance instructions. Also provide one training session for Owner's maintenance and operating personnel within the warranty period.

END OF SECTION 10 68 00



**SMOKE EXHAUST SYSTEM
CONTROL NOTES**

FIRE ALARM SYSTEM INTERFACE:

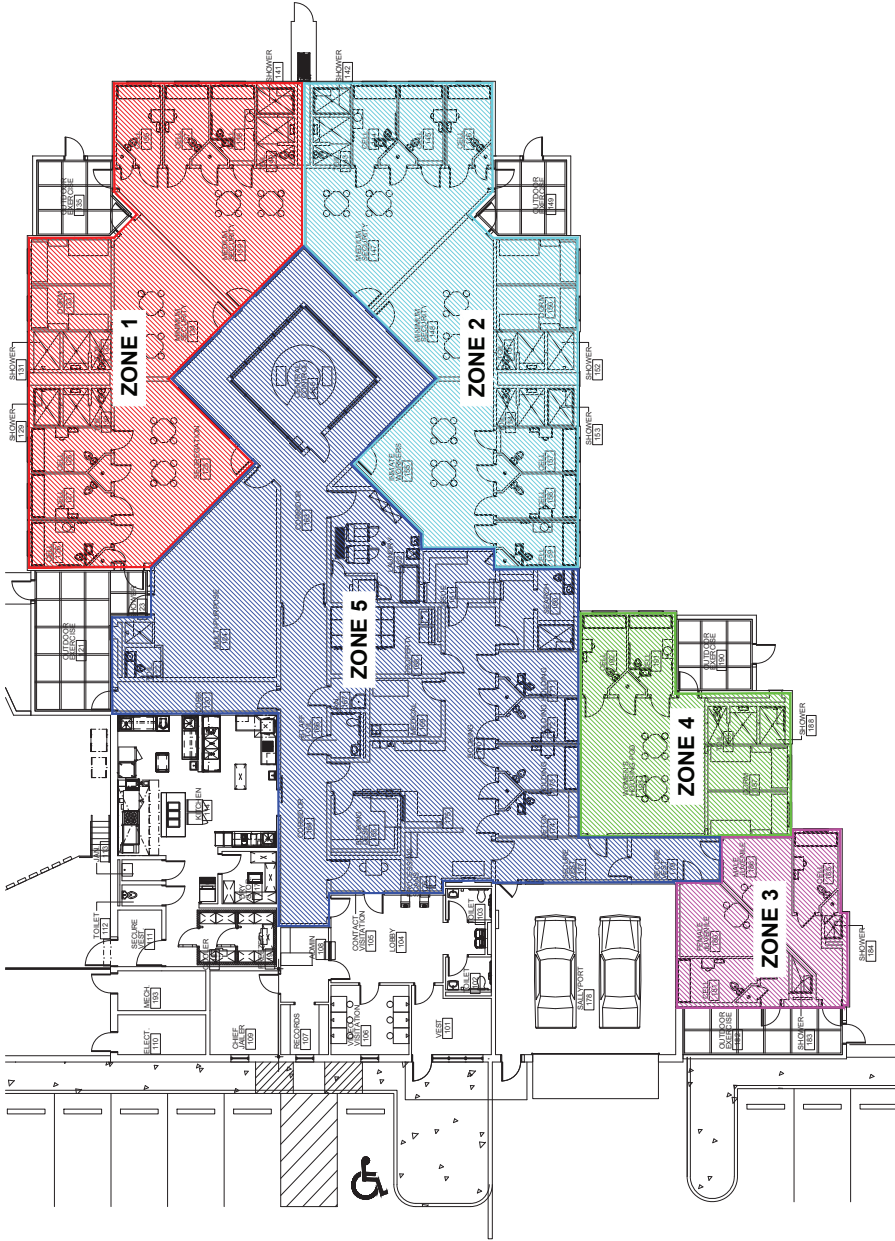
1. SIGNAL ALL SUPPLY AND EXHAUST FAN START/STOP FROM THE FIRE ALARM SYSTEM SHALL PROVIDE OUTPUTS TO MONITOR AND INTERLOCK WITH THE FOLLOWING:
 - A. SUPPLY AND EXHAUST FAN START/STOP
 - B. SMOKE EXHAUST FAN START/STOP
 - C. RETURN AIR DAMPER START/STOP
 - D. EXHAUST AIR DAMPER START/STOP
 - E. ALL OTHER SMOKE EXHAUST SYSTEM COMPONENTS
2. SMOKE EXHAUST FAN START/STOP SHALL BE CLOSED WHEN THE FIRE ALARM SYSTEM IS ARMED AND OPEN WHEN THE FIRE ALARM SYSTEM IS DISARMED.
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10. SMOKE EXHAUST FAN START/STOP SHALL BE CLOSED WHEN THE FIRE ALARM SYSTEM IS ARMED AND OPEN WHEN THE FIRE ALARM SYSTEM IS DISARMED.

SMOKE EXHAUST SYSTEM CONTROLS:

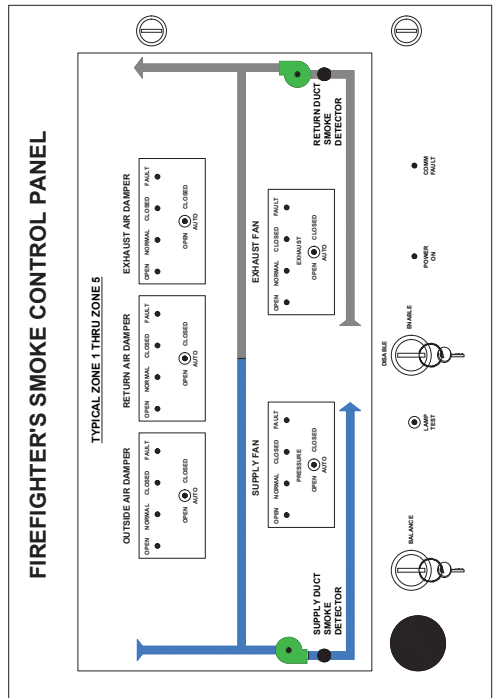
- ZONE 1:**
- A. SUPPLY FAN SF-1 "70", MOTORISED DAMPER OPEN
 - B. SMOKE EXHAUST FAN SEF-1 "70", MOTORISED DAMPER OPEN
 - C. RH-1 "70", SUPPLY AND RETURN MOTORISED DAMPERS CLOSED
 - D. ALL OTHER SMOKE EXHAUST FAN "70"
 - E. ALL OTHER SUPPLY FAN "70"
- ZONE 2:**
- A. SUPPLY FAN SF-2 "70", MOTORISED DAMPER OPEN
 - B. SMOKE EXHAUST FAN SEF-2 "70", MOTORISED DAMPER OPEN
 - C. RH-2 "70", SUPPLY AND RETURN MOTORISED DAMPERS CLOSED
 - D. ALL OTHER SMOKE EXHAUST FAN "70"
 - E. ALL OTHER SUPPLY FAN "70"
- ZONE 3:**
- A. SUPPLY FAN SF-3 "70", MOTORISED DAMPER OPEN
 - B. SMOKE EXHAUST FAN SEF-3 "70", MOTORISED DAMPER OPEN
 - C. RH-3 "70", SUPPLY AND RETURN MOTORISED DAMPERS CLOSED
 - D. ALL OTHER SMOKE EXHAUST FAN "70"
 - E. ALL OTHER SUPPLY FAN "70"
- ZONE 4:**
- A. SUPPLY FAN SF-4 "70", MOTORISED DAMPER OPEN
 - B. SMOKE EXHAUST FAN SEF-4 "70", MOTORISED DAMPER OPEN
 - C. RH-4 "70", SUPPLY AND RETURN MOTORISED DAMPERS CLOSED
 - D. ALL OTHER SMOKE EXHAUST FAN "70"
 - E. ALL OTHER SUPPLY FAN "70"
- ZONE 5:**
- A. SUPPLY FAN SF-5 "70", MOTORISED DAMPER OPEN
 - B. SMOKE EXHAUST FAN SEF-5 "70", MOTORISED DAMPER OPEN
 - C. RH-5 "70", SUPPLY AND RETURN MOTORISED DAMPERS CLOSED
 - D. ALL OTHER SMOKE EXHAUST FAN "70"
 - E. ALL OTHER SUPPLY FAN "70"

GENERAL NOTES:

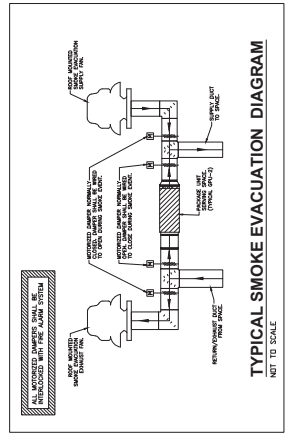
1. SUPPLY AND EXHAUST FAN SHALL BE PROVIDED WITH THE FOLLOWING:
 - A. SUPPLY FAN, SMOKE EXHAUST EXHAUST FAN, MOTORISED DAMPERS, ETC.
 - B. CONTROLS SHALL PROVIDE SMOKE FOR TESTING SMOKE EVACUATION SEQUENCE.
 - C. SMOKE EXHAUST FAN SHALL BE PROVIDED WITH SMOKE EVACUATION SEQUENCE.
 - D. ALL SMOKE EXHAUST FAN SHALL BE PROVIDED WITH SMOKE EVACUATION SEQUENCE.
 - E. ALL SMOKE EXHAUST FAN SHALL BE PROVIDED WITH SMOKE EVACUATION SEQUENCE.
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4. SMOKE EXHAUST FAN SHALL BE PROVIDED WITH SMOKE EVACUATION SEQUENCE.



SMOKE CONTROL ZONE PLAN



FIREFIGHTER'S SMOKE CONTROL PANEL



TYPICAL SMOKE EVACUATION DIAGRAM

