

Hartsfield-Jackson Atlanta International Airport

City of Atlanta

Department of Aviation

Office of Infrastructure Planning & Development

Airport Facilities Landside/ Airside New Construction and Modifications

Design Standards

Architectural

Design Standards - Architectural

Table of Contents

Section	Page
1.0 Purpose	4
2.0 General	4
A. Applicable Codes & Standards	4
B. Art Program	4
C. Modifying Existing Structures	4
D. Floor, Walls & Roof Penetrations	4
E. Ceilings	5
F. Door Hardware	5
1. Security Hardware	
2. Non-Security Hardware	
G. Floor Mounted Appurtenances	5
3.0 Public Facilities	5
A. Domestic Terminal	5
1. Domestic Building Interior	
2. Domestic Building Exterior	
B. International Terminal/Concourse F	8
1. International Terminal Building Interiors	
2. International Terminal Building Exterior	
3. Concourse F Building Interiors	
4. Concourse F Building Exterior	
5. Concourse E to F Connector	
C. Concourses T through E (Departures & AGTS Levels)	12
1. Building Interiors	
D. Rental Car Center	14
1. Building Interiors	
2. Building Exterior	
E. Sky Train Stations	15
1. Building Interiors	
2. Building Exterior	
F. Support Facilities	16
1. Cargo	

- 2. Fire Stations
- 3. Maintenance
- G. **Miscellaneous**..... 17
 - 1. AED's
 - 2. Bleed Control Kit Cabinets
 - 3. Prefabricated Control Booths
- 4.0 Appendices**..... 18
 - Detail No.1 Concrete on Steel Deck Floor Repair
 - Detail No.2 Concrete Floor Repair
 - Detail No.3 Steel Deck Roof Repair
 - Detail No.4 Concrete on Steel Deck Roof Repair
 - Detail No.5 Concrete Deck Roof Repair
 - Detail No.6 Pipe Thru System over Conc. On Steel Deck
 - Detail No.7 Pipe Thru Roofing System over Steel Deck
 - Detail No.8 Pipe Thru Roofing System over Conc. Slab
 - Detail No.9 Satellite Mast and Pad on Conc. Slab
 - Detail No.10 Satellite Mast on Concrete
 - Detail No.11 Satellite Mast on Metal Deck

Design Standards

Architectural

1.0 Purpose

- A. The purpose of this document is to outline the minimum Architectural standards related to Facilities/Landside/Airside New Construction and Modifications submitted projects at the City of Atlanta's Hartsfield-Jackson Atlanta International Airport (ATL).

2.0 General

A. Applicable Codes & Standards

1. All design work shall be performed in accordance with generally accepted professional principles and practices for architecture and in compliance with all applicable Department of Aviation (DOA), Planning & Development (P&D) Facilities/Landside/Airside New Construction and Modifications Standards included in this document and the latest Federal, State and City of Atlanta Codes, Standards and Regulations.

B. Art Program

1. Per City of Atlanta Ordinance, art must be included in all capital airport projects that serve the public such as Terminals, Concourses, Parking Decks, Rental Car Center and others. The City Ordinance states that 1% of the construction cost of each project shall be allocated for art. P&D's Art Group is responsible for the development of the art and Designers shall be responsible for coordinating the integration of art in their project(s) with P&D's Art Group.

C. Modifying Existing Structures

1. The installation or relocation of heavy equipment shall be evaluated and endorsed by a Structural Engineer.
2. Proposed improvements that require partial or complete, severing, altering or removal of structural members shall require evaluation and design by a Structural Engineer.
3. Walls proposed for partial or full demolition shall be evaluated by a Structural Engineer to determine whether they are load bearing. If they are, drawings shall indicate the sequence of operations required to avoid collapse
4. Modifications to existing structures shall not be made without prior approval by the Department of Aviation.

D. Floor, Wall and Roof Penetrations

1. Proposed penetrations and openings for existing floors, walls, and roofs shall be located where there are no impacts to existing concrete reinforcements.
2. Contractor shall be required to locate existing reinforcements prior to commencing coring operations.
3. If reinforcements must be severed due to the size of the opening or its required location, evaluation and design shall be made by a Structural Engineer.
4. Proposed rectangular openings in existing walls, floor slabs and roof shall be detailed with required core holes of sufficient diameter at each corner to prevent over cut upon installation.

5. Repair/filling of existing cores and/or openings for Concrete Floors, Concrete Floors on Steel Deck, Steel Deck Roof, Concrete on Steel Deck Roof and Concrete Deck Roof shall comply with Detail No.1 through No. 11 (Appendix No. 1).
6. Roof penetrations shall comply with existing TPO roof manufacturer's detail(s) recommendations in order to maintain integrity of roof system and its warranty.
7. Cabling, conduits and/or other appurtenant connectivity items are not allowed to be run and/or lay directly on top of the existing TPO roofing.

E. Ceilings

1. Replacement, demolition and/or removal of existing ceiling(s) and associated lighting and mechanical systems above any public or airport operational spaces, including security queues, screening areas, re-composure, venues, seating and circulation areas shall include the removal of all abandoned hangers, supports, electrical feeds, mechanical ducts and/or other appurtenant items above the ceiling.

F. Door Hardware

1. SACS & Security Hardware- Security Door Standards will be provided by DOA Security Department upon project reviews with Security to confirm openings to be controlled and monitored.
 - a. Type of openings, approach, frame, door and electronic mechanisms for public or back-of-house will be provided based on new Security standards.
2. Non-Security Hardware- Von Duprin Panic Hardware. Hardware Cores to be Best Locks.

G. Floor Mounted Appurtenances

1. Any appurtenances such as luggage carts, luggage cart dispensing equipment, wheelchairs, wheelchair corrals, seating, advertisement, signage, directories, self-service kiosks and any other floor mounted equipment throughout the airport's interior and exterior public facilities, shall not be a safety hazard to public circulation, obstruct passenger flow or impede any emergency path of travel or exit. Locations shall be submitted to the DOA /P&D for review and acceptance.

3.0 Facilities

A. Domestic Terminal

1. Domestic Terminal Building Interior
 - a. Floors: Terrazzo and Granite Tile 18"x18" (Luna Pearl)
 - b. Walls : Granite Wainscot 36" and Painted Gypsum Board above
 - Stainless Steel Base
 - Stainless Steel Corner Guards
 - c. Temporary Walls: Construction walls shall be painted using semi-gloss SHERWIN-WILLIAMS SW 6002 ESSENTIAL GRAY. If the walls are to be in place for a period of 30 days or more, provide full wall digital graphics to include a rendering of the future space and other vital information. Graphics shall be fabricated using 3M ControlTac with an over laminate.

- d. Ceiling: Armstrong Metal Works Vector, 24" Solid Panels; LED Lighting
- e. Column Covers: Stainless steel (Swirl Pattern) at lower section. Stainless Steel (Sand Finish) at upper section
- f. Baggage Claim Barriers: Stainless Steel Rail & Base with Glass Infill (2 layers of low iron glass & clear PVB)
- g. Arrivals Area Barriers: Stainless Steel Rail and base with ½" tempered glass infill
- h. Security Checkpoint Stanchions: Stainless Steel Post w/magnetic base with double row of retractable Belts. Safety Panels, 48"x48" Q-Guard Plexiglas by Lavi Industries.
- i. Vestibules:
 - i. Floor: Granite Tile 18"x18" (Honed Luna Pearl) & Stainless-Steel Walk mats
 - ii. Walls: Stainless Steel Base/Glass Wainscot/ Gypsum Board Above
 - iii. Ceiling: Gypsum Board; LED Lighting
 - iv. Doors: Automatic Sliding Glass
- j. Restrooms:
 - i. Floor: Terrazzo and Quartz Tile
 - ii. Walls: Terrazzo & Quartz Base/Quartz Tile/Stainless Steel Corners Guards
 - iii. Ceilings: Painted Gypsum Board; LED Lighting
 - iv. Countertops: Granite - Under bowls and openings for waste Disposal
 - v. Toilet Partitions: Ceiling Mounted - Stainless Steel (Satin Finish) with Stainless Steel Privacy Closure Brackets at wall and doors, full height (Stainless Steel)
 - vi. Urinal Screens: Wall Mounted with continuous mounting bracket Stainless Steel (Satin Finish)
 - vii. Fixtures/Accessories:
 - (1) Water Closets: Wall Mounted – automatic flush valves
 - (2) Faucets: Hands Free
 - (3) Soap Dispensers: Hands Free with central soap reservoir system
 - (4) Paper Towel Dispenser: Hands Free
 - (5) Shelves: Above toilets and urinals (Stainless Steel)
 - (6) Corner Guards: Stainless Steel
 - (7) Mirror: Continuous mirror from top of backsplash to ceiling with stainless steel frame (for typical 8'-0" ceiling). Mirrors shall be sealed so water cannot weep between surfaces and cause deterioration of the mirror.
 - (8) Baby Changing: Koala Kare Type
 - viii. Vertical Circulation
 - (1) Elevators: Stainless Steel walls and ceiling, granite floor. Kone.
 - (2) Escalators: Stainless Steel 36" and 42", Stainless Steel Handrails, Kone.

2. Domestic Terminal Building Exterior

a. Roofing:

i. Thermoplastic Polyvinyl Chloride Membrane Roof

- (1) Basis of Design-Firestone TPO fully adhered Ultra-Ply TPO XR 135 Platinum Membrane 30-year warranty.
- (2) Thickness 135 mils(80 mil TPO with 55 mils Fleecback), nominal, over rigid insulation with heat welded TPO sheet seams . Exposed Face color: White

b. Facades:

i. Non-Insulated Metal Panel /Vestibule Shafts

- (1) Centria Aluminum Wall Panels
- (2) Intercept Entyre
- (3) PPG, Duranar XL, UC124347XL, Pigmento Blue Paint System, three (3) coats

ii. Non-Insulated Metal Panel /High Bay and parapet

- (1) Centria Aluminum wall Panels
- (2) Intercept Entyre
- (3) PPG, Duranar XL, UC5113XL, Silver Paint System, three (3) coats

iii. Insulated Glass Systems

- (1) Window Walls: Insulated Viracon Low Iron Architectural Glass
- (2) Curtain Walls: Insulated Viracon Low Iron Architectural Glass
- (3) Spandrel Glass: Insulated Viracon Low Iron Architectural Glass

iv. Non-insulated Glass Systems

- (1) Decorative Glass: QC Facades Opaque Glazing /PPG
- (2) Starphire Low iron Tempered Glass
- (3) Guardrails: Old Castle – ½” Tempered, PPG Starphire, Low iron glass
- (4) Background color: SW 7006 Extra White

c. Entry Portals /Vestibules

- (1) Non-Insulated Metal Panel /Above wainscot
- (2) Centria Aluminum Wall Panels
- (3) Intercept Entyre
- (4) PPG, Duranar XL, UC124347XL, Pigmento Blue
- (5) Paint System, three (3) coats

d. Entry Portals /Vestibules

- (1) Decorative Glass: QC Facades Opaque Glazing /PPG Starphire
- (2) Low iron Tempered Glass /Wainscot
- (3) Custom color to match Pigmento Blue

- e. Stairwells & Other Exposed Steel:
 - (1) Final coated with-PAINT, BENJAMIN MOORE IMPERVO
 - (2) EXTERIOR GLOSS OIL - COLOR "PISMO DUNES" Black
- f. Existing CMU Paint: Brown- BENJAMIN MOORE
 - (1) BXK1182 or PPG Dark Granite 520-7
- g. Curbside Sidewalk Coating: Sure-Crete SCR (with base coat and seal coat) Slip resistant epoxy coating-Gray color
- h. Bollards: Embedded steel bollards, concrete filled (K rated) with Stainless Steel covers
- i. Upper Roadway Canopies: Pressure-inflated ETFE (Ethylene-tetra-fluoroethylene) Foil /Transparent
- j. Lower Roadway Canopies: Flame-retardant weather resistant fabric. Basis of design is Serge Ferrari – Preconstraint 502.
- k. Device Poles: Eaton-Cooper /40' min. Ground- set
- l. Electronic Displays: Daxtronics Galaxy exterior monitors
- m. Site Furnishings:
 - i. Benches: Petoskey features: (all complement each other) Backed Bench
 - (1) Backless Perforated Bench Backless Metal Rod Bench 29", 62". 78" length
 - (2) Durability of 3" tube support
 - ii. Litter Receptacle:
 - (1) 30-gallon capacity, polyethylene liner included 11-gauge steel
 - (2) Perforated metal 20in dia. X 42in. h
 - iii. Ash Urn:
 - (1) 14-gauge steel Perforated metal 12in. dia. X 21in. h
- n. Smoking Corrals: Defined space with signage, seating, and stanchions supporting Plexi panels. Refer to Signage Standards for details.
- o. Vertical Circulation
 - i. Elevators: Stainless Steel walls and ceiling, granite floor, Kone.
 - ii. Escalators: Stainless Steel 36", Stainless Steel Rails, Kone.

B. International Terminal/ Concourse F

- 1. International Terminal Building Interior
 - a. Floors: 18"x18", 9"x18" Granite Tiles /Various suppliers for various granites
 - b. Walls : Quartz tile Wainscot 36", Painted gypsum board above Wainscot
 - c. Temporary Walls: Construction walls shall be painted using semi-gloss SHERWIN-WILLIAMS SW 6002 ESSENTIAL GRAY. If the walls are to be in place for a period of 30 days or more, provide full wall digital graphics to include a rendering of the future space and other vital information. Graphics shall be fabricated using 3M Control-Tac with an over laminate.

- d. Ceiling: Lay-in Acoustical tile ceiling; LED Lighting. Ceilings Plus - Perforated metal panels with batt insulation laid in.
 - e. Column Covers: Stainless steel (Swirl Pattern) at lower section and Stainless Steel (Sand Finish) at upper section
 - f. Vestibules
 - i. Floor: Granite Tile 18"x18" (Honed Luna Pearl), Stainless Steel Walk mats
 - ii. Walls: Glass Wainscot/ Granite
 - iii. Ceiling: Gypsum Board; LED Lighting
 - iv. Doors: Automatic Sliding Glass
 - g. Security Checkpoint Stanchions: Stainless Steel Base/Post with retractable Belts.
 - h. Arrivals Area Barriers: 3" diameter Stainless Steel Rail with ½" tempered glass infill.
 - i. Restrooms
 - i. Floor: Quartz Tile
 - ii. Walls: Quartz Tile; Quartz Base; Stainless Steel Corners Guards
 - iii. Ceilings: Painted Gypsum Board; LED Lighting
 - iv. Countertops: Granite with under bowls and openings for waste Disposal.
 - v. Toilet Partitions: Ceiling Mounted - Stainless Steel (Satin Finish) with Stainless Steel Privacy Closure Brackets at wall and doors, full height (Stainless Steel)
 - vi. Urinal Screens: Wall Mounted – Stainless Steel (Satin Finish) with continuous mounting bracket
 - vii. Fixtures/Accessories:
 - (1) Water Closets: Wall Mounted – automatic flush valves Faucets: Hands Free
 - (2) Soap Dispensers: Hands Free with central soap reservoir system
 - (3) Paper Towel Dispenser: Hands Free
 - (4) Shelves: Above toilets and urinals – Stainless Steel Corner Guards: Stainless Steel
 - (5) Mirror: Continuous mirror from top of backsplash to ceiling with stainless steel frame (for typical 8'-0" ceiling).
 - (6) Mirrors shall be sealed so water cannot weep between surfaces and cause deterioration of the mirror.
 - (7) Baby Changing: Koala Kare Type
 - j. Vertical Circulation
 - i. Elevators: Stainless Steel walls and ceiling, granite floor, Kone.
 - ii. Escalators: Stainless Steel 36", Tempered Glass Rails, Kone.
2. International Terminal Building Exterior
- a. Roofing: Thermoplastic Polyvinyl Chloride Membrane Roof

- (1) Base of Design- Firestone TPO fully adhered Ultra-Ply TPO XR 135 Platinum Membrane 30-year warranty. Thickness 135 mils (80 mil TPO with 55 mils Fleeceback) nominal, over rigid insulation, with heat welded TPO sheet seams. Exposed Face color: White
 - b. Facades:
 - i. Landside: Non-Insulated ACM (aluminum composite material) Color System, three (3) coats, Silver
 - ii. GLASS- Insulated, tinted.
 - c. Passenger Boarding Bridges:
 - i. Exterior Paint: White - Artic White Polane H Polyurethane G64WY8 Sherwin Williams
 - d. Curbside Floor Coating: None
 - e. Canopy: Tempered Glass and Stainless Steel
 - f. Electronic Displays: Samsung Digital monitors
 - g. Site Furnishings:
 - i. Benches: Petoskey features: (all complement each other)
 - (1) Backed Bench
 - (2) Backless Perforated Bench
 - (3) Backless Metal Rod Bench
 - (4) 29", 62". 78" length
 - (5) Durability of 3" tube support
 - ii. Litter Receptacle:
 - (1) 30-gallon capacity, polyethylene liner included
 - (2) 11-gauge steel
 - (3) Perforated metal
 - (4) 20in dia. X 42in. h
 - iii. Ash Urn:
 - (1) 14-gauge steel
 - (2) Perforated metal
 - (3) 12in. dia. X 21in. h
 - h. Exit Stairs: Galvanized Steel, exposed
3. Concourse F Building Interior
 - a. Floors: Granite Tile 18"x18" (Luna Pearl)
 - b. Walls : Quartz tile Wainscot 36", Painted gypsum board above Wainscot, Stainless steel base.
 - c. Ceilings: Lay-in Acoustical tile ceiling; LED Lighting. Ceilings Plus - Perforated metal panels with batt insulation laid in, and gypsum ceilings.
 - d. Column Covers: Stainless steel (Swirl Pattern) at lower section and Stainless Steel (Sand Finish) at the upper section

- e. Hold Rooms:
 - i. Floors: Carpet Tile
 - ii. Walls : Quartz tile Wainscot 36", Painted gypsum board above Wainscot.
 - iii. Column cladding: Stainless Steel
 - iv. Ceilings: Acoustical Tile, LED Lighting, metal and gypsum board.
- f. Passenger Loading Bridges
 - i. Floor : Carpet
 - ii. Base: Rubber
 - iii. Walls: Painted Metal Panels
 - iv. Ceiling: Metal Tile
 - v. Corner Guards: Stainless Steel
- g. Restrooms
 - i. Floor: Quartz Tile
 - ii. Walls: Quartz Tile
 - (1) Terrazzo and Quartz Base
 - (2) Stainless Steel Corners Guards
 - iii. Ceilings: Painted Gypsum Board and LED Lighting
 - iv. Countertops: Granite - Under bowls and openings for waste disposal.
 - v. Toilet Partitions:
 - (1) Ceiling Mounted - Stainless Steel (Satin Finish) with Privacy Closure Brackets at wall and doors, full heigh, (Stainless Steel)
 - vi. Urinal Screens:
 - (1) Wall Mounted with continuous mounting bracket – Stainless Steel (Satin Finish)
 - vii. Fixtures/Accessories:
 - (1) Water Closets: Wall Mounted – automatic flush valves
 - (2) Faucets: Hands Free
 - (3) Soap Dispensers: Hands Free with central soap reservoir system.
 - (4) Paper Towel Dispenser: Hands Free
 - (5) Shelves: Above toilets and urinals (Stainless Steel) Corner Guards: Stainless Steel
 - (6) Mirror: Continuous mirror from top of backsplash to ceiling with stainless steel frame (for typical 8'-0" ceiling). Mirrors shall be sealed so water cannot weep between Surfaces and cause deterioration of the mirror.
 - (7) Baby Changing: Koala Kare Type
- h. Vertical Circulation
 - i. Elevators: Stainless Steel walls and ceiling, granite floor, Kone.

- ii. Escalators: Stainless Steel 36", Tempered Glass Rails, Kone.
- 4. Concourses F Building Exterior
 - a. Roofing: Roofing Thermoplastic Polyvinyl Chloride Membrane Roof
 - (1) Base of Design- Firestone TPO fully adhered Ultra-Ply TPO XR 135 Platinum Membrane 30-year warranty. Thickness 135 mils (80 mil TPO with 55 mils Fleecback) nominal, over rigid insulation, with heat welded TPO sheet seams. Exposed Face color: White
 - b. Facades:
 - i. Airside: Insulated Metal Panels
 - (1) Centria Versa-wall Industrial Panel Series
 - (2) 3" thickness, flat panels embossed
 - (3) Paint System, three (3) coat minimum
 - ii. GLASS- Insulated, tinted.
 - c. Passenger Boarding Bridges:
 - i. Exterior Paint: White - Artic White Polane H Polyurethane G64WY8 Sherwin Williams
 - d. Exit Stairs: Stainless Steel and Aluminum
- 5. Concourse E to F Connector
 - a. Floors: Granite Tile 18"x18" (Luna Pearl)
 - b. Walls : Quartz tile Wainscot 36", Painted gypsum board above Wainscot
 - c. Ceilings: Lay-in Acoustical tile ceiling; LED Lighting, metal panels.
 - d. Column Covers: Stainless Steel
 - e. Vertical/ Horizontal Circulation
 - i. Elevators: Stainless Steel walls and ceiling, Granite floor, Kone.
 - ii. Escalators: Stainless Steel 36", Tempered Glass Rails, Kone.
 - iii. Moving Walks: Stainless Steel 36", Tempered Glass Rails, Schindler.

C. Concourses T Through E (Departures & AGTS Levels)

- 1. Building Interiors
 - a. Floors: Terrazzo at Concourse E APM Station; Granite and Quartz Tile 18"x18" at Boarding Levels; Porcelain Tile 18"x18" at all other AGTS Levels, Train Stations, and Roll Carpet at transition corridors between stations.
 - b. Walls : Porcelain and Quartz tile Wainscot 36"; Painted gypsum board above Wainscot.
 - c. Ceilings: Lay-in Acoustical tile ceiling, metal.
 - d. Hold Rooms
 - i. Floor: Carpet Tile
 - ii. Base: Stainless Steel

- iii. Interior Walls: Quartz tile Wainscot 36" Painted Gypsum board above wainscot.
 - e. Passenger Boarding Bridges:
 - i. Interior Floor: Carpet
 - ii. Base: Rubber
 - iii. Interior Walls: Painted Metal Panels
 - iv. Ceilings: Metal Tile
 - v. Corner Guards: Stainless Steel
 - f. Restrooms
 - i. Floor: Quartz Tile
 - ii. Walls: Quartz Tile
 - (1) Terrazzo and Quartz Base
 - (2) Stainless Steel Corners Guards
 - iii. Ceilings: Gypsum Board; LED Lighting
 - iv. Countertops: Granite - Under bowls and openings for waste Disposal.
 - v. Toilet Partitions: Ceiling Mounted - Stainless Steel (Satin Finish) with Privacy Closure Brackets at wall and doors, full height (Stainless Steel)
 - vi. Urinal Screens: Wall Mounted with continuous mounting bracket
Stainless Steel (Satin Finish)
 - vii. Fixtures/Accessories
 - (1) Water Closets: Wall Mounted – automatic flush valves
 - (2) Faucets: Hands Free
 - (3) Soap Dispensers: Hands Free with central soap reservoir system
 - (4) Paper Towel Dispenser: Hands Free
 - (5) Shelves: Above toilets and urinals (Stainless Steel)
 - (6) Corner Guards: Stainless Steel
 - (7) Mirror: Continuous mirror from top of backsplash to ceiling with stainless steel frame (for typical 8'-0" ceiling). Mirrors shall be sealed so water cannot weep between surfaces and cause deterioration of the mirror.
 - (8) Baby Changing: Koala Kare Type
 - g. Vertical/Horizontal Circulation
 - i. Elevators: Stainless Steel walls and ceiling, granite floor, Kone.
 - ii. Escalators: Stainless Steel 36", Stainless Steel Rail, Kone.
 - iii. Moving Walks: Stainless Steel 36", Tempered Glass Rail, Schindler
2. Building Exterior
- a. Roofing: Roofing Thermoplastic Polyvinyl Chloride Membrane Roof
 - (1) Basis of Design- Firestone TPO fully adhered Ultra-Ply TPO XR 135

Platinum Membrane 30-year warranty. Thickness 135 mils (80 mil TPO with 55 mils Fleeceback) nominal, over rigid insulation, with heat welded TPO sheet seams. Exposed Face color: White

- b. Building Facades:
 - i. Concourses T South, A, B, C (North /South building orientations)
 - (1) Insulated Metal panels
 - (2) 2" thickness
 - (3) Paint System, Medium Grey Metallic #9960
 - (4) Existing Sheet steel (infill) panels with pencil rib
 - (5) Painted to match new insulated metal panels system (AATC CONFIRM COLOR USED per Delta).
 - (6) GLASS- Insulated, tinted.
 - ii. Concourse Mid-Points T, C, F /East VCC (East /West Building orientations)
 - (1) Insulated Metal Panels
 - (2) Centria Form Wall Architectural Panel Series
 - (3) 2" thickness, flat panels embossed
 - (4) Paint System, three (3) coats, Bright Silver Metallic #9710
 - iii. Concourse Mid-Point D (East /West Building orientations) Non-Insulated ACM (aluminum composite material)
 - (1) Color System, three (3) coats, Silver
 - (2) GLASS- Insulated, tinted.
- c. Passenger Boarding Bridges:
 - i. Exterior Paint: White - Artic White Polane H Polyurethane G64WY8 Sherwin Williams
 - ii. Exit Stairs: Stainless Steel

D. Rental Car Center

- 1. Building Interiors
 - a. Floors: Terrazzo
 - b. Walls : Gypsum panels with Stainless Steel base. Smooth finish colored block.
 - c. Ceiling: Acoustic Ceiling Tile; LED Lighting, Gypsum Board.
 - d. Columns: Stainless Steel
 - e. Restrooms:
 - i. Floor: Terrazzo
 - ii. Walls: Quartz Tile
 - (1) Terrazzo and Quartz Base
 - (2) Stainless Steel Corners Guards
 - iii. Ceilings: Gypsum Board and LED Lighting

- iv. Countertops: Granite - Under bowls and openings for waste disposal.
- v. Toilet Partitions: Ceiling Mounted - Stainless Steel (Satin Finish) with Privacy Closure Brackets at wall and doors, full height (Stainless Steel)
- vi. Urinal Screens: Wall Mounted – Stainless Steel-Satin Finish) with continuous mounting bracket
- vii. Fixtures/Accessories:
 - (1) Water Closets: Wall Mounted – automatic flush valves
 - (2) Faucets: Hands Free
 - (3) Soap Dispensers: Hands Free with central soap reservoir system
 - (4) Paper Towel Dispenser: Hands Free Corner Guards: Stainless Steel
 - (5) Shelves: Above toilets and urinals (Stainless Steel)
 - (6) Mirror: should be continuous mirror from top of backsplash to ceiling with stainless steel frame (for typical 8'-0" ceiling). Mirrors shall be sealed so water cannot weep between Surfaces and cause deterioration of the mirror.
 - (7) Baby Changing: Koala Kare Type
- a. Vertical Circulation
 - i. Elevators: Stainless Steel walls and ceiling, terrazzo floor. Kone.
 - ii. Escalators: Glass and Stainless Steel 36", Glass Rail, Kone.
- 2. Building Exteriors
 - a. Roofing: Roofing: Roofing Thermoplastic Polyvinyl Chloride Membrane Roof
 - vii. Base of Design- Firestone TPO fully adhered Ultra-Ply TPO XR 135 Platinum Membrane 30-year warranty. Thickness 135 mils (80 mil TPO with 55 mils Fleeback) nominal, over rigid insulation, with heat welded TPO sheet seams. Exposed Face color: White
 - b. Facades: Metal Panels
 - c. Bridges: Concrete floor, stainless handrails and glass walls, metal panel ceiling.

E. Sky Train Stations

- 1. Building Interiors
 - a. Floor: Terrazzo
 - b. Walls: Block or Painted Gypsum board
 - c. Ceilings: Acoustical Tile/Acoustical panels
 - d. Columns: Stainless Steel or Gypsum Wrapped
 - e. Vertical Circulation
 - i. Elevators: Stainless Steel walls and ceiling, granite floor, Kone.
 - ii. Escalators: Stainless Steel 36", Tempered Glass Rail, Kone.
- 2. Building Exterior
 - a. Roofing: Roofing: Roofing Thermoplastic Polyvinyl Chloride Membrane Roof.

- viii. Basis of Design- Firestone TPO fully adhered Ultra-Ply TPO XR 135 Platinum Membrane 30-year warranty. Thickness 135 mils (80 mil TPO with 55 mils Fleecback) nominal, over rigid insulation, with heat welded TPO sheet seams. Exposed Face color: White

- b. Facades: Metal Panels

F. Support Facilities

1. Cargo

a. Building Interiors

- i. Cargo Operations Floor: Sealed Concrete
- ii. Office Floor: Tile entry and restrooms, carpet in the offices.
- iii. Base: Rubber
- iv. Interior Walls: Precast, Block or Painted Gypsum board
- v. Columns: Block or Gypsum board wrapped
- vi. Ceilings: Acoustical Tile in offices. Exposed in Operations
- vii. Corner Guards: Stainless Steel
- viii. Levelers are required to be 6'-6" wide x 8'-0" long with a minimum 15" lip extension, and a 12" operational range above and below the dock level.

b. Restrooms:

- i. Floor: Ceramic Tile
- ii. Walls: Painted Gypsum Board, Ceramic Tile, Ceramic Base Stainless Steel Corners Guards
- iii. Ceilings: Painted Gypsum Board and LED Lighting
- iv. Countertops: Solid surfaces- Under bowls and openings for waste disposal.
- v. Toilet Partition: Ceiling Mounted - Stainless Steel (Satin Finish) with Privacy Closure Brackets at wall and doors, full height (Stainless Steel)
- vi. Urinal Screens: Wall Mounted with continuous mounting bracket – Stainless Steel (Satin Finish)
- vii. Fixtures/Accessories:
 - (1) Water Closets: Wall Mounted – automatic flush valves
 - (2) Faucets: Hands Free
 - (3) Soap Dispensers: Hands Free with central soap reservoir system
 - (4) Paper Towel Dispenser: Hands Free Corner Guards: Stainless Steel
 - (5) Shelves: Above toilets and urinals – Stainless Steel
 - (6) Mirror: should be continuous mirror from top of backsplash to ceiling with stainless steel frame (for typical 8'-0" ceiling). Mirrors shall be sealed so water cannot weep between Surfaces and cause deterioration of the mirror.
 - (7) Baby Changing: Koala Kare Type

c. Building Exteriors

- i. Roofing: Thermoplastic Polyvinyl Chloride Membrane Roof
 - (1) Base of Design- Firestone TPO fully adhered UltraPly TPO XR 135 Platinum Membrane 30-year warranty. Thickness 135 mils (80 mil TPO with 55 mils Fleeback) nominal, over rigid insulation, with heat welded TPO sheet seams. Exposed Face color: White
 - ii. Facades: Precast, CMU, and Metal Panels
2. Fire Stations:
- a. Building Interiors
 - i. Floor: Sealed concrete/tile/carpet
 - ii. Base: Rubber
 - iii. Walls: Block or Painted Gypsum board
 - iv. Columns: Block or Gypsum board wrapped
 - v. Ceilings: Acoustical Tile
 - vi. Corner Guards: Stainless steel
 - b. Building Exteriors
 - i. Roofing: Thermoplastic Polyvinyl Chloride Membrane Roof
 - (1) Base of Design: Firestone TPO fully adheres UltraPly TPO XR 135 Platinum Membrane 30-year warranty. Thickness 135 mils (80 mil TPO with 55 mils Fleeback) nominal, over rigid insulation, with heat welded TPO sheet seams. Exposed Face color: White
 - c. Facades: Metal Panels, Split Face Concrete Block
3. Maintenance
- a. Building Interiors
 - i. Floor: Sealed concrete/tile/carpet
 - ii. Walls: Block or Painted Gypsum board
 - iii. Ceilings: Acoustical Tile
 - iv. Corner Guards: Stainless steel
 - b. Building Exteriors
 - i. Roofing: Thermoplastic Polyvinyl Chloride Membrane Roof
 - (1) Base of Design- Firestone TPO fully adhered Ultra-Ply TPO XR 135 Platinum Membrane 30-year warranty. Thickness 135 mils (80 mil TPO with 55 mils Fleeback) nominal, over rigid insulation, with heat welded TPO sheet seams. Exposed Face color: White
 - c. Facades: Metal Panels, Split Face Concrete Block

G. Miscellaneous

- 1. AED's: Basis of Design: JL Industries, 22-gage CR steel or Mill Finish Stainless Steel- 1439F12 Surface Mounted or 1437F12 Semi Recessed with a full acrylic window, with Siren Strobe Alarm. Clamshell door pull. Provide power and data access to C-4. Coordinate with the Airport Fire Marshall. (The Defibrillator shall be provided as part of the AED)

2. Bleed Control Kit Cabinets: Basis of Design: JL Industries, 22-gage CR steel or Mill Finish Stainless Steel- 1439F12 Surface Mounted or 1437F12 Semi Recessed with a full acrylic window, with Siren Strobe Alarm. Clamshell door pull. Provide power and data access to C4. Coordinate with the Airport Fire Marshall. SAM Medical Kits. Reference #: KT901-V-EN (The Bleed Kits shall be provided as part of the cabinet).
3. Prefabricated Control Booths
Guard Gates replacement parts (i.e. Gate #70)
Porta King Building Systems
4133 Shoreline Drive Earth City, MO 63045
800.456.5464
314.291.2857 fax
<http://www.portaking.com>

4.0 Appendices

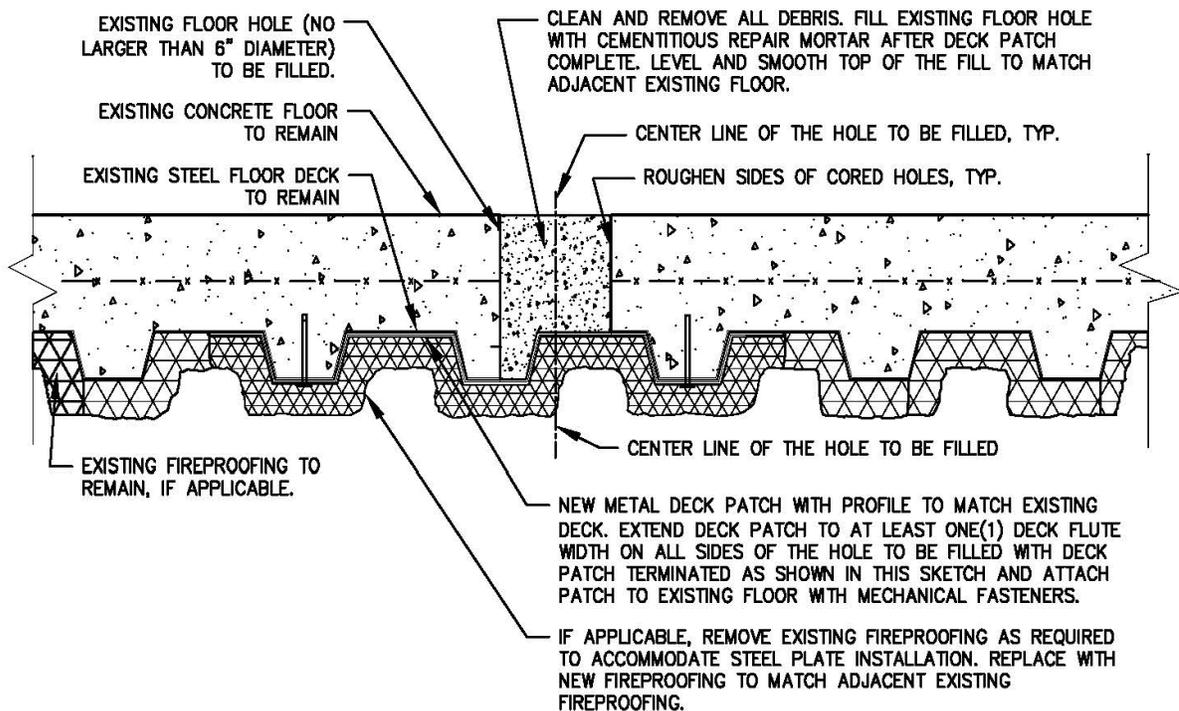
- Detail No.1 Concrete on Steel Deck Floor Repair
- Detail No.2 Concrete Floor Repair
- Detail No.3 Steel Deck Roof Repair
- Detail No.4 Concrete on Steel Deck Roof Repair
- Detail No.5 Concrete Deck Roof Repair
- Detail No.6 Pipe Thru System over Conc. On Steel Deck
- Detail No.7 Pipe Thru Roofing System over Steel Deck
- Detail No.8 Pipe Thru Roofing System over Conc. Slab
- Detail No.9 Satellite Mast and Pad on Conc. Slab
- Detail No.10 Satellite Mast on Concrete Detail No.11 Satellite Mast on Metal Deck
- Detail No.12 Tenant-Storefront Signage Guidelines

Requirements for Filling Penetrations in Existing Elevated Concrete Slabs

Proposed filling of cores or openings in existing elevated concrete slabs shall be evaluated by a Georgia registered structural design professional, who shall provide stamped requirements in the construction documents whenever either:

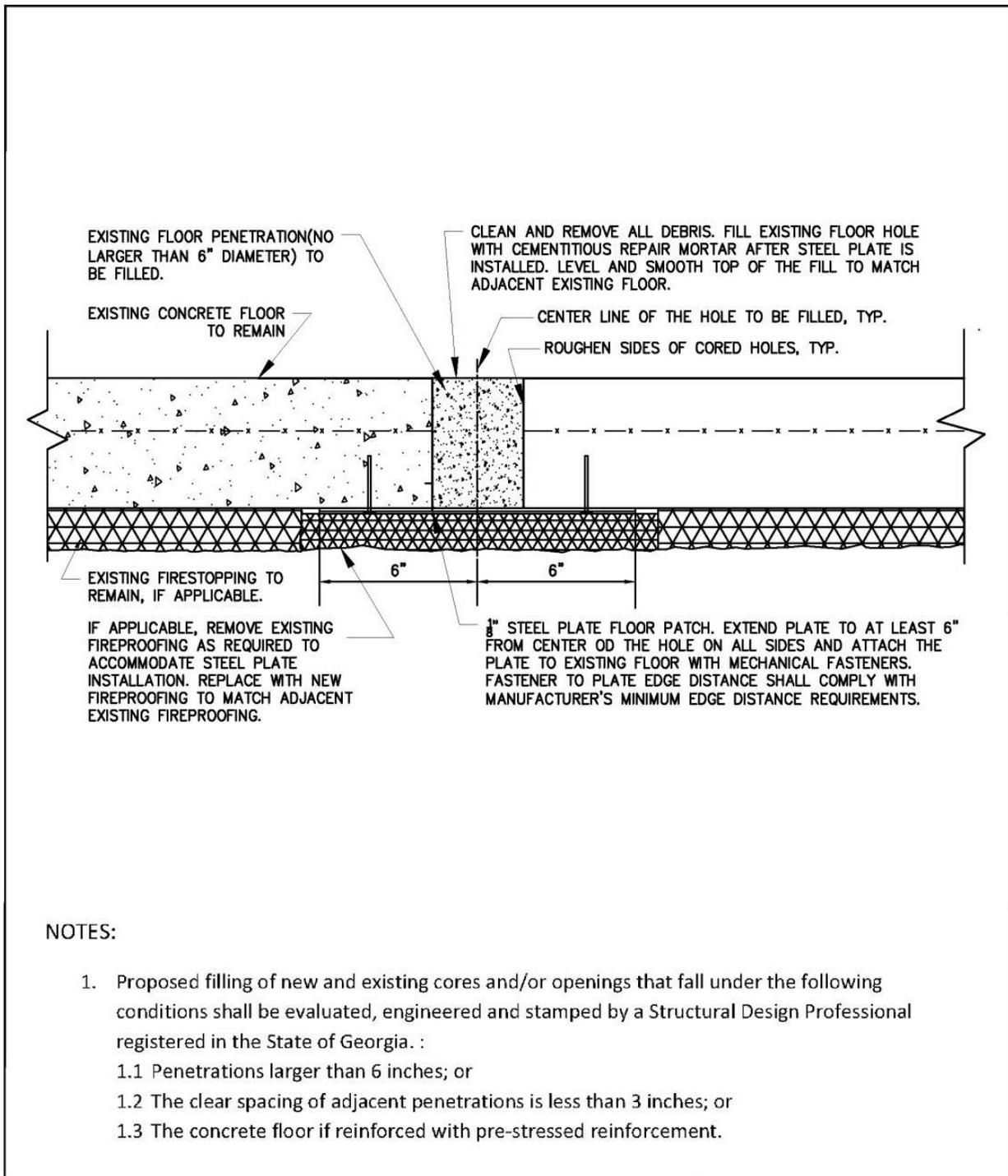
1. The clear spacing of adjacent cores or openings will be less than 3 inches; or
2. The core or opening is proposed for a concrete floor reinforced with prestressed reinforcement; or
3. The greatest dimension for the opening or core proposed exceeds 6 inches.

Cores or openings in concrete slabs, for which none of the above restrictions are applicable, shall be reinstated with a cementitious repair mortar in accordance with the manufacturer's written instructions for preparation, mixing, placement, finishing and curing. Also, see detail below for more information.



PROJECT: ELEVATED FLOOR REPAIR FOR OPENING 6" OR LESS			SKETCH NO.
DRAWING NAME: CONCRETE ON STEEL DECK FLOOR REPAIR			1
REVISIONS	DESCRIPTION OF REVISION	DRAWN BY: CM DESIGNED BY: CM CHECKED BY: CHECK CONTRACT: NONE WBS: NONE SCALE: NTS DATE: 08/20/2013	REFERENCE DWG. NO.
No.			NONE
No.			

Detail No.2 Concrete Floor Repair

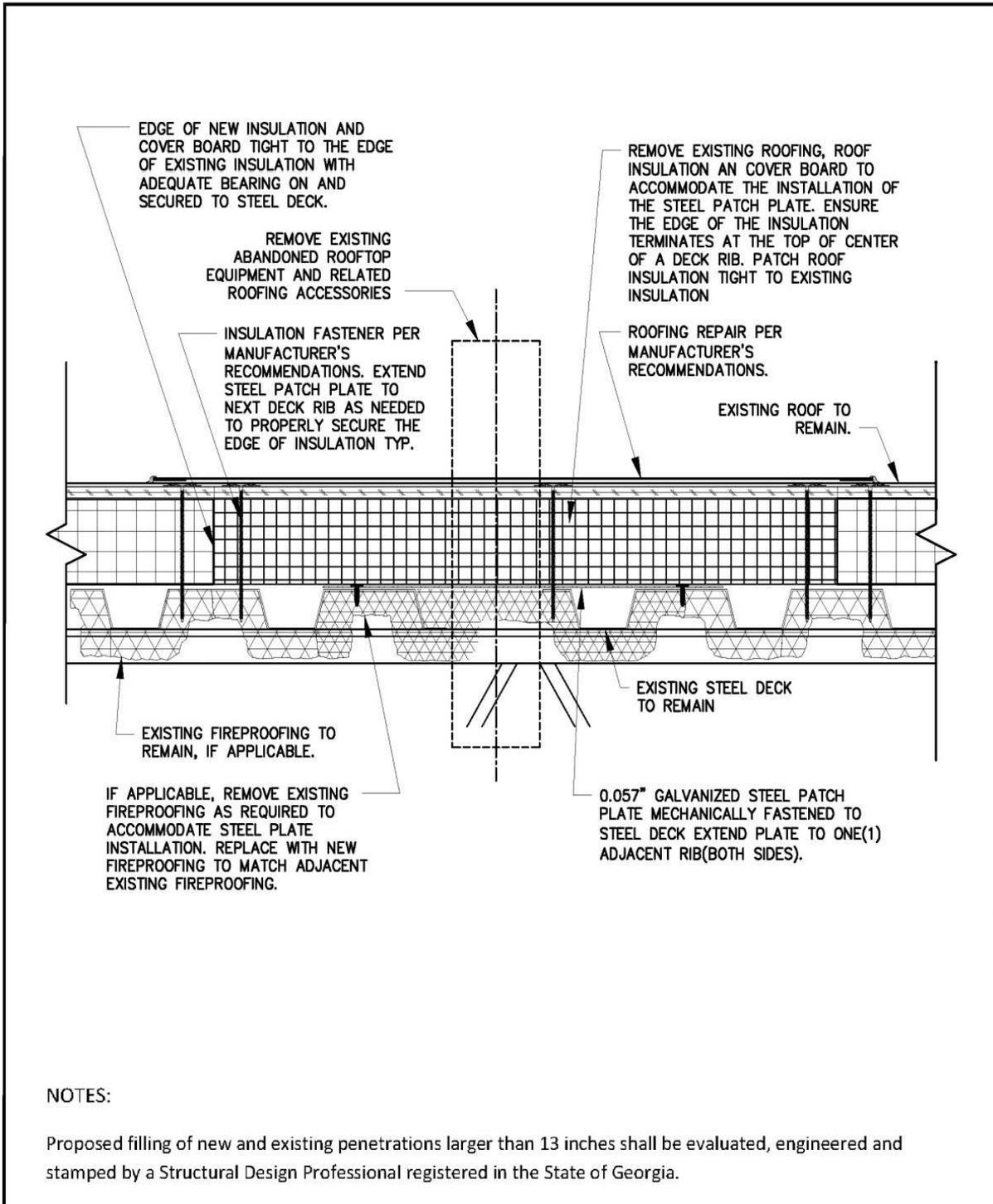


NOTES:

1. Proposed filling of new and existing cores and/or openings that fall under the following conditions shall be evaluated, engineered and stamped by a Structural Design Professional registered in the State of Georgia. :
 - 1.1 Penetrations larger than 6 inches; or
 - 1.2 The clear spacing of adjacent penetrations is less than 3 inches; or
 - 1.3 The concrete floor if reinforced with pre-stressed reinforcement.

PROJECT: ELEVATED FLOOR PENETRATION REPAIR DETAIL			DETAIL NO.
DRAWING NAME: CONCRETE FLOOR REPAIR			2
REVISIONS	DESCRIPTION OF REVISION	DRAWN BY: CM DESIGNED BY: CM CHECKED BY: CHECK CONTRACT: NONE WBS: NONE SCALE: NTS DATE: 03/26/2014	REFERENCE DWG. NO.
No.			NONE
No.			
No.			
No.			

Detail No.3 Steel Deck Roof Repair

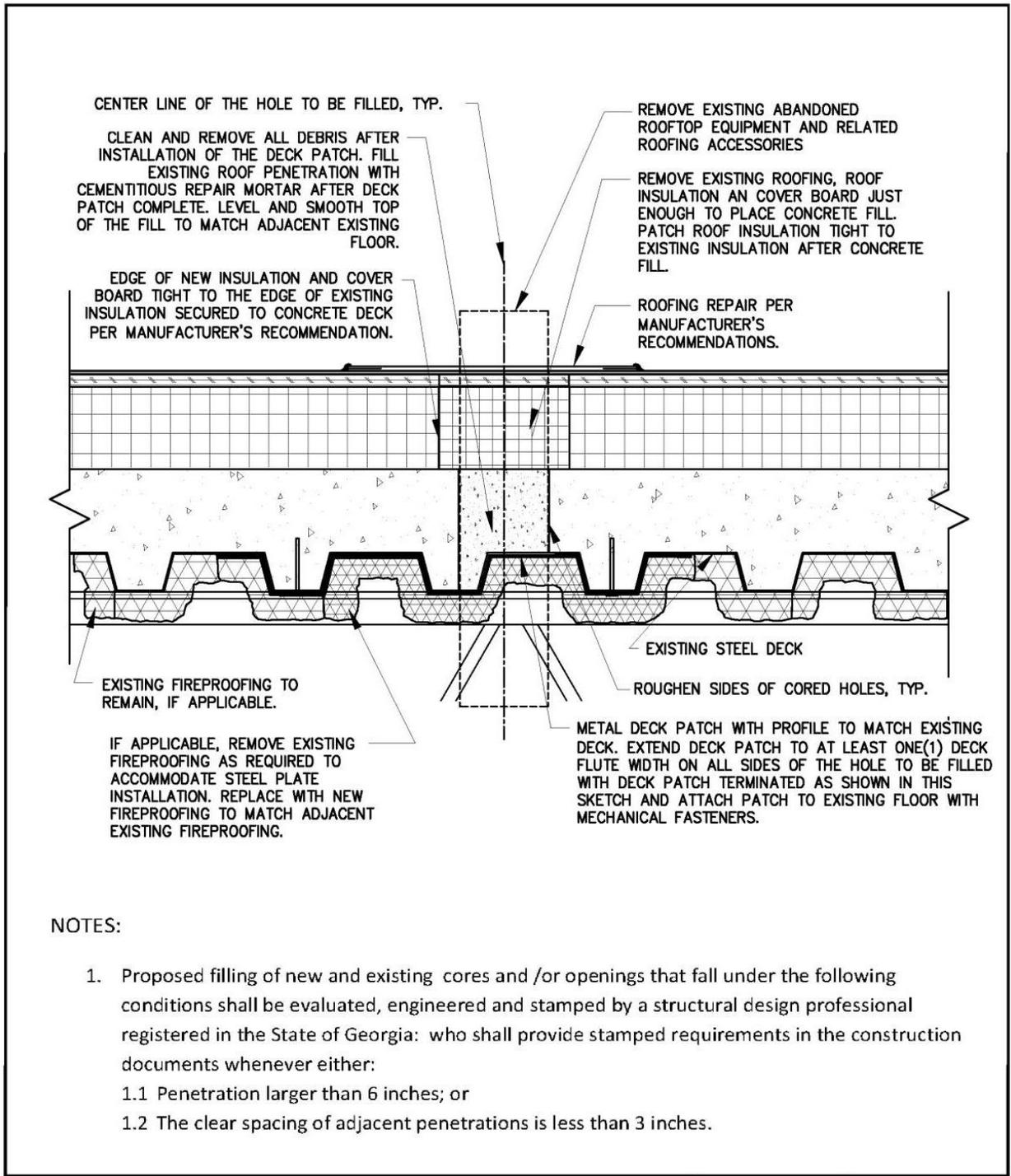


NOTES:

Proposed filling of new and existing penetrations larger than 13 inches shall be evaluated, engineered and stamped by a Structural Design Professional registered in the State of Georgia.

PROJECT: ROOF PENETRATION REPAIR DETAIL			DETAIL NO.
DRAWING NAME: STEEL DECK ROOF REPAIR			3
REVISIONS	DESCRIPTION OF REVISION	DRAWN BY: CM	REFERENCE DWG. NO.
No.		DESIGNED BY: CM	NONE
No.		CHECKED BY: CHECK	
No.		CONTRACT: NONE	
No.		WBS: NONE	
No.		SCALE: NTS	
		DATE: 03/26/2014	

Detail No.4 Concrete on Steel Deck Roof Repair

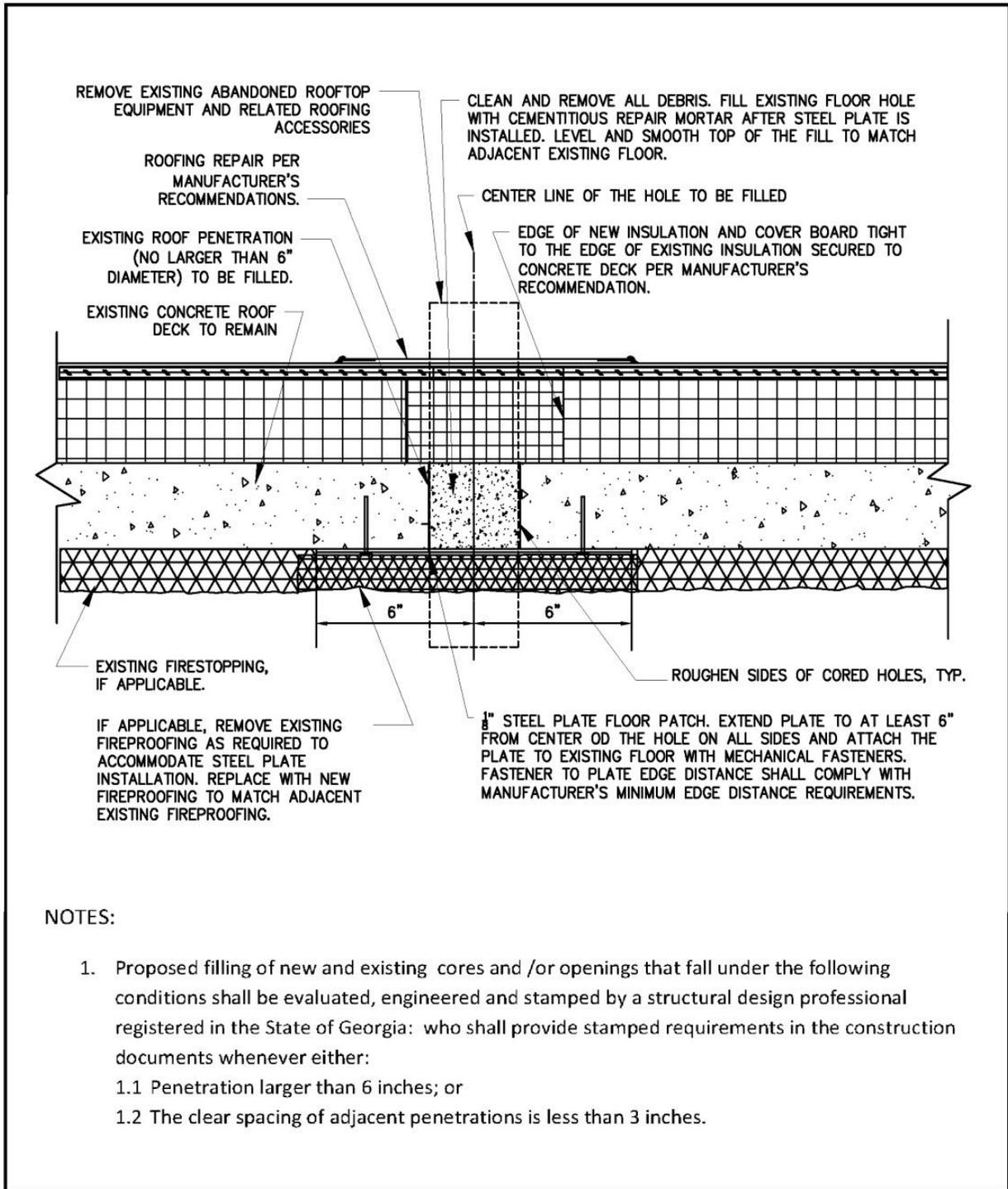


NOTES:

1. Proposed filling of new and existing cores and /or openings that fall under the following conditions shall be evaluated, engineered and stamped by a structural design professional registered in the State of Georgia: who shall provide stamped requirements in the construction documents whenever either:
 - 1.1 Penetration larger than 6 inches; or
 - 1.2 The clear spacing of adjacent penetrations is less than 3 inches.

PROJECT: ROOF PENETRATION REPAIR DETAIL			DETAIL NO.
DRAWING NAME: CONCRETE ON STEEL DECK ROOF REPAIR			4
REVISIONS	DESCRIPTION OF REVISION	DRAWN BY: CM DESIGNED BY: CM CHECKED BY: CHECK CONTRACT: NONE WBS: NONE SCALE: NTS DATE: 03/26/2014	REFERENCE DWG. NO.
No.			NONE
No.			
No.			
No.			

Detail No.5 Concrete Deck Roof Repair

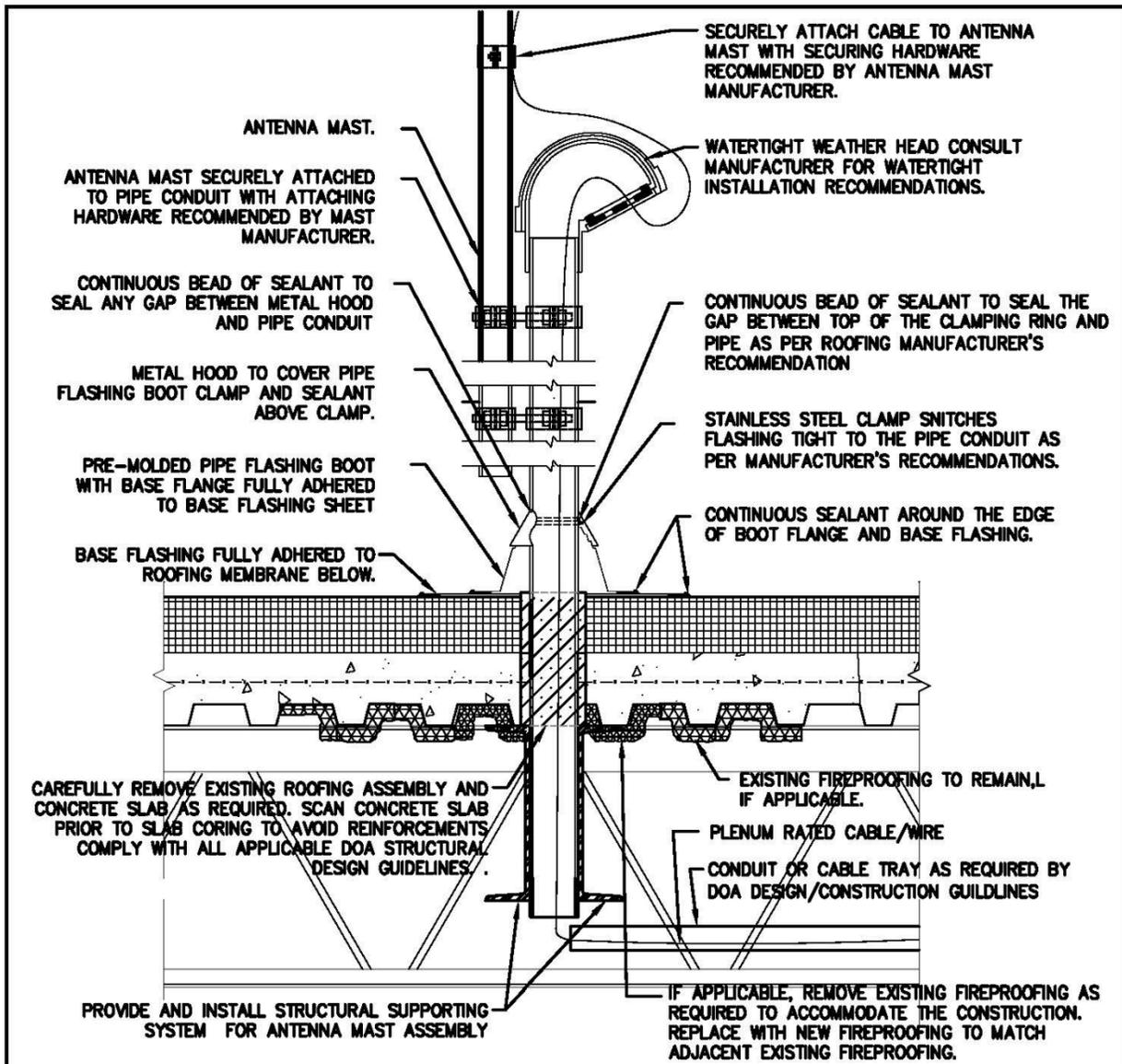


NOTES:

1. Proposed filling of new and existing cores and /or openings that fall under the following conditions shall be evaluated, engineered and stamped by a structural design professional registered in the State of Georgia: who shall provide stamped requirements in the construction documents whenever either:
 - 1.1 Penetration larger than 6 inches; or
 - 1.2 The clear spacing of adjacent penetrations is less than 3 inches.

PROJECT: ROOF PENETRATION REPAIR DETAIL			DETAIL NO.
DRAWING NAME: CONCRETE DECK ROOF REPAIR			5
REVISIONS	DESCRIPTION OF REVISION	DRAWN BY: CM	REFERENCE DWG. NO.
No.		DESIGNED BY: CM	NONE
No.		CHECKED BY: CHECK	
No.		CONTRACT: NONE	
No.		WBS: NONE	
No.		SCALE: NTS	
		DATE: 03/26/2014	

Detail No.6 Pipe Thru Roofing System Over Conc. On Steel Deck

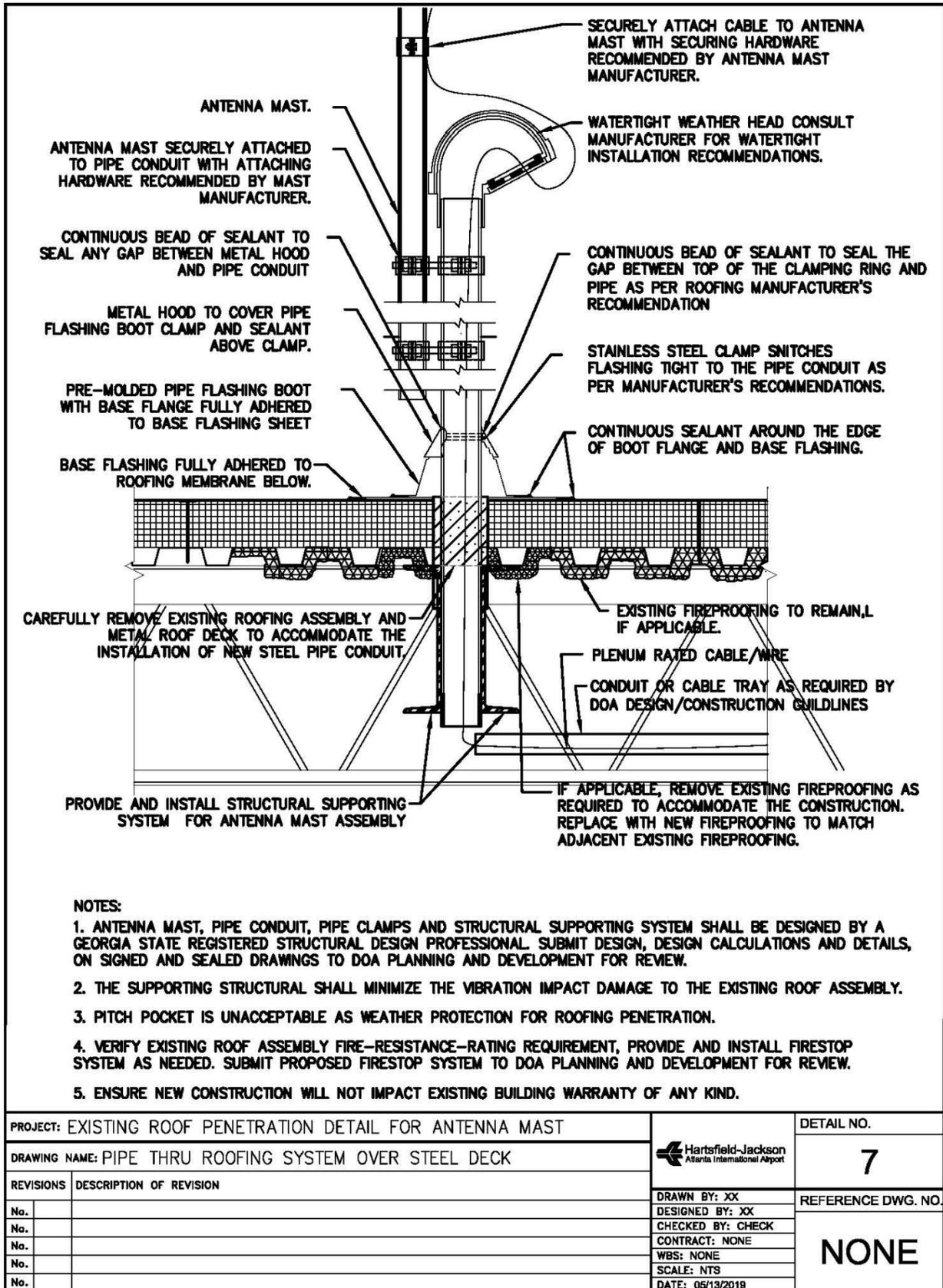


NOTES:

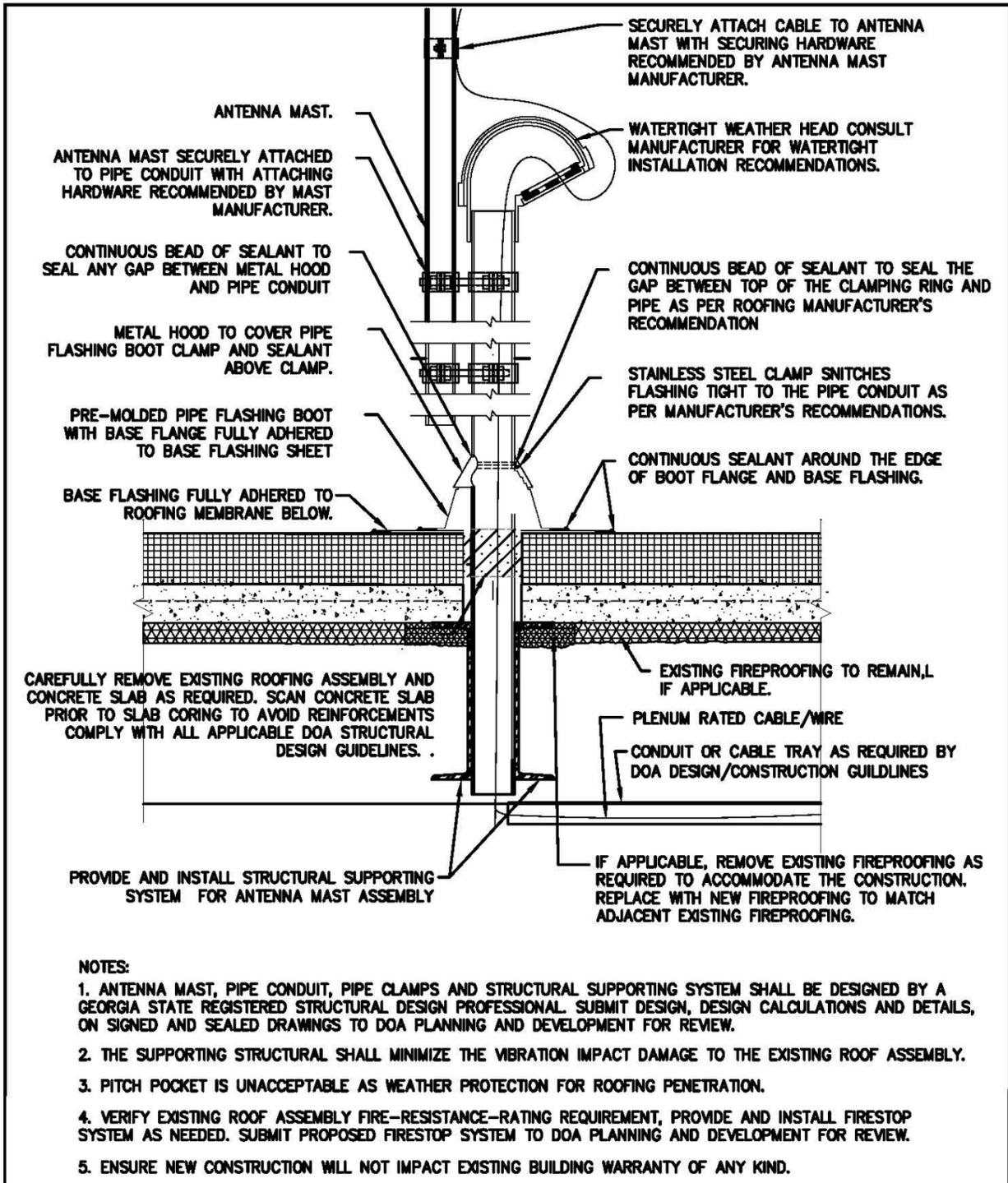
1. ANTENNA MAST, PIPE CONDUIT, PIPE CLAMPS AND STRUCTURAL SUPPORTING SYSTEM SHALL BE DESIGNED BY A GEORGIA STATE REGISTERED STRUCTURAL DESIGN PROFESSIONAL. SUBMIT DESIGN, DESIGN CALCULATIONS AND DETAILS, ON SIGNED AND SEALED DRAWINGS TO DOA PLANNING AND DEVELOPMENT FOR REVIEW.
2. THE SUPPORTING STRUCTURAL SHALL MINIMIZE THE VIBRATION IMPACT DAMAGE TO THE EXISTING ROOF ASSEMBLY.
3. PITCH POCKET IS UNACCEPTABLE AS WEATHER PROTECTION FOR ROOFING PENETRATION.
4. VERIFY EXISTING ROOF ASSEMBLY FIRE-RESISTANCE-RATING REQUIREMENT, PROVIDE AND INSTALL FIRESTOP SYSTEM AS NEEDED. SUBMIT PROPOSED FIRESTOP SYSTEM TO DOA PLANNING AND DEVELOPMENT FOR REVIEW.
5. ENSURE NEW CONSTRUCTION WILL NOT IMPACT EXISTING BUILDING WARRANTY OF ANY KIND.

PROJECT: EXISTING ROOF PENETRATION DETAIL FOR ANTENNA MAST			DETAIL NO.
DRAWING NAME: PIPE THRU ROOFING SYSTEM OVER CONC. ON STEEL DECK			6
REVISIONS	DESCRIPTION OF REVISION	DRAWN BY: XX DESIGNED BY: XX CHECKED BY: CHECK CONTRACT: NONE WBS: NONE SCALE: NTS DATE: 03/26/2019	REFERENCE DWG. NO.
No.			NONE
No.			

Detail No. 7 Pipe Thru Roofing System Over Steel Deck

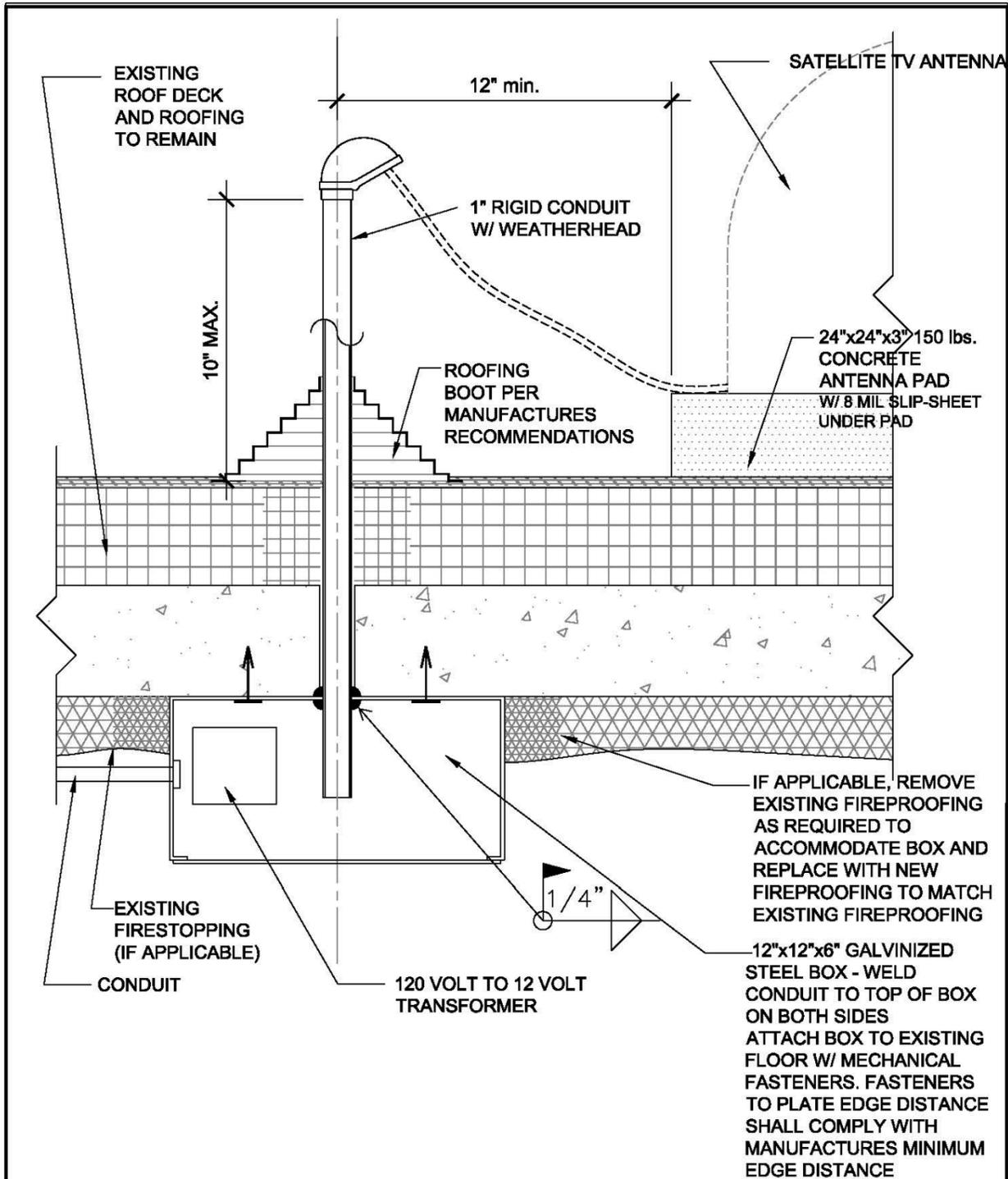


Detail No. 8 Pipe Thru Roofing System Over Conc. Slab



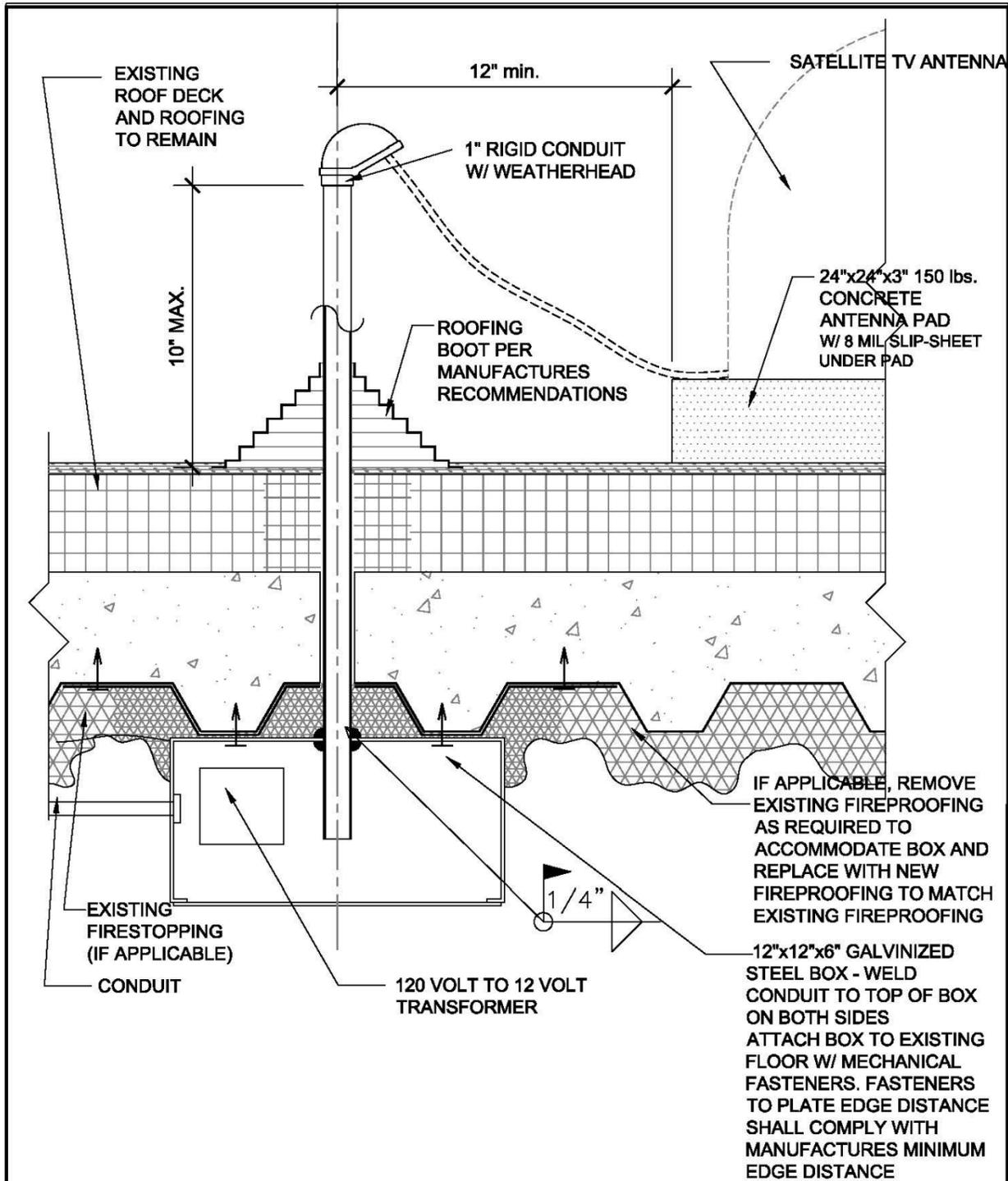
PROJECT: EXISTING ROOF PENETRATION DETAIL FOR ANTENNA MAST			DETAIL NO.
DRAWING NAME: PIPE THRU ROOFING SYSTEM OVER CONC. SLAB			8
REVISIONS	DESCRIPTION OF REVISION	DRAWN BY: XX	REFERENCE DWG. NO.
No.		DESIGNED BY: XX	NONE
No.		CHECKED BY: CHECK	
No.		CONTRACT: NONE	
No.		WBS: NONE	
No.		SCALE: NTS	
		DATE: 05/13/2019	

Detail No. 9 Satellite Antenna Conduit and Pad on Concrete Roof Slab



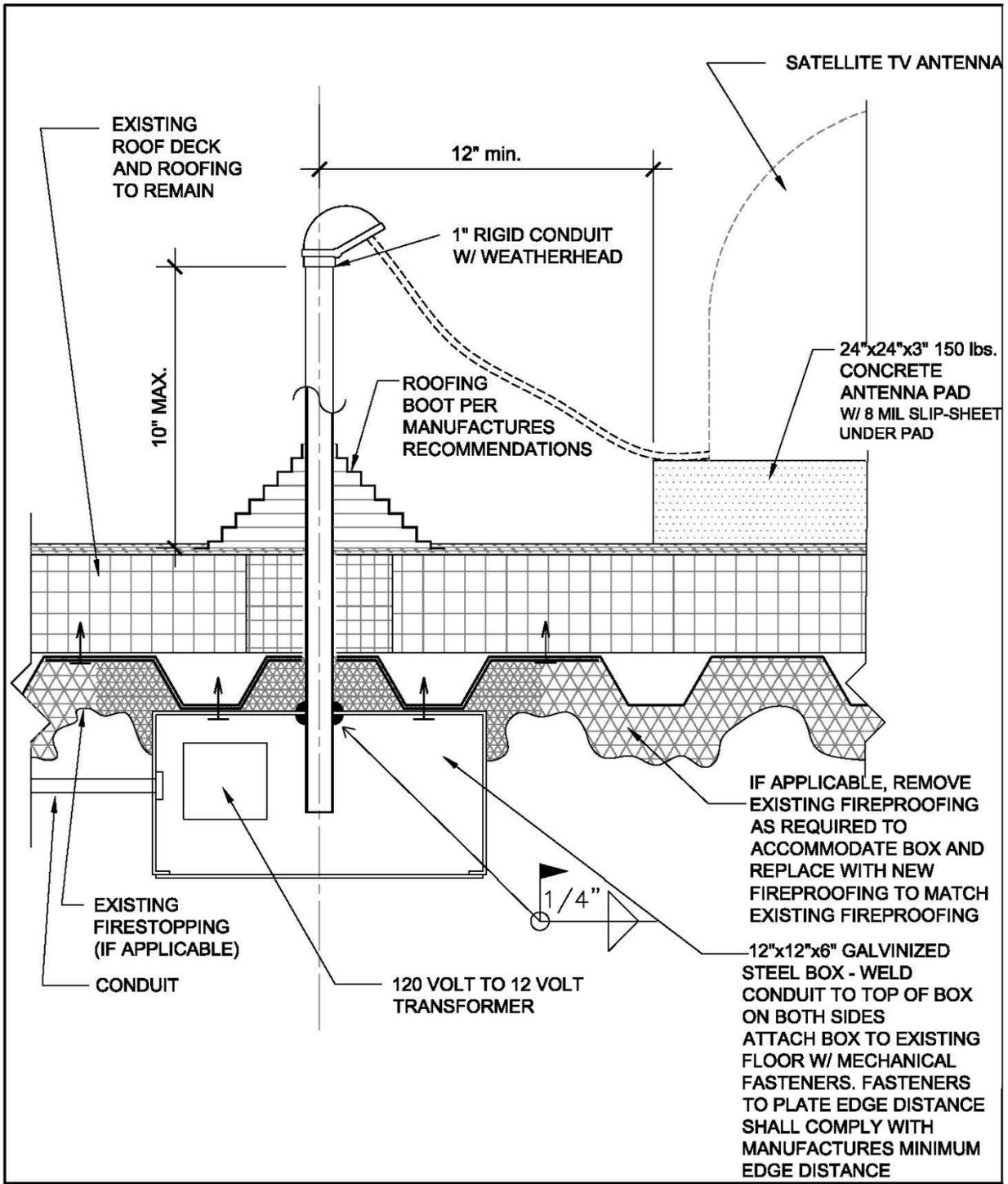
PROJECT: SATELLITE ANTENNA CONDUIT AND PAD ON CONCRETE ROOF SLAB			DETAIL NO.
DRAWING NAME:			9
REVISIONS	DESCRIPTION OF REVISION	DRAWN BY: XX	REFERENCE DWG. NO.
No.		DESIGNED BY: XX	NONE
No.		CHECKED BY: CHECK	
No.		CONTRACT: NONE	
No.		WBS: NONE	
No.		SCALE: NTS	
		DATE: 05/13/2019	

Detail No. 10 Satellite Antenna Conduit and Pad on Conc. on Metal Deck



PROJECT: SATELLITE ANTENNA CONDUIT AND PAD ON CONCRETE ON METAL DECK			DETAIL NO.
DRAWING NAME:			10
REVISIONS	DESCRIPTION OF REVISION	DRAWN BY: XX	REFERENCE DWG. NO.
No.		DESIGNED BY: XX	NONE
No.		CHECKED BY: CHECK	
No.		CONTRACT: NONE	
No.		WBS: NONE	
No.		SCALE: NTS	
		DATE: 05/13/2019	

Detail No. 11 Satellite Antenna Conduit and Pad on Metal Deck



PROJECT: SATELLITE MAST AND PAD DETAILS			DETAIL NO.
DRAWING NAME: SATELLITE ANTENNA CONDUIT AND PAD ON METAL DECK			11
REVISIONS	DESCRIPTION OF REVISION	DRAWN BY: XX DESIGNED BY: XX CHECKED BY: CHECK CONTRACT: NONE WBS: NONE SCALE: NTS DATE: 06/13/2019	REFERENCE DWG. NO.
No.			NONE
No.			