

Request For Information

Submitted By: Russell Hovis
Title: Construction Supervisor II
Region: III

Institution: CIM

Project Name: Replace Roofs (Program Phase 1 - 4)
Title: Roof Replacement - Phase 1 Facility B

RFI#: 011

Date: 12/4/2025

Needed By: 12/11/2025

CCM Proj. # I-001123

A/E Proj. # 22-090



RFI Description – Correctional Construction Mentorship Program (CCM)

Project I-001123 Project Manual page 05 51 00-3, 1.5 (Design Requirements) section E, states to install metal stairs or ramps with skid resistant surfaces over roof piping over designated roof walkways. There will be several of these types of crossings over conduits on this project. Plan set 22-090 does not provide a detail for installation or design. CCM recommends the attached LAC plan set 21-040 pg. A902 detail 28 for fabrication and installation. Please Advise

Location: CIM FAC B

Attachments

Plan(s) Sht/Detail: 22-024 sheet A-2
Specification: Attached
Submittals: N/A
Shop Drawings: N/A

Product Data: N/A
Memo / Letter: N/A
Images: N/A
Other: N/A

Response To RFI – Architecture and Engineering Section

Suggested detail is acceptable. A similar detail for this condition/project will be requested from the consultant and issued as a future construction bulletin.

Attachments

Plan(s) Sht/Detail: N/A
Specification: N/A
Submittals: N/A
Shop Drawings: N/A

Product Data: N/A
Memo / Letter: N/A
Images: N/A
Other: N/A

Response By: Eileen Tumlin, Senior Architect

Date: 12/23/2025

Access Compliance Review for Attachment: Not Required

SFM Approval for Attachment: Required

Timestamp of Response: [Final A/E]

G. Certificates:

1. Manufacturer's Mill Certificate: Submit certificate that products meet or exceed specified requirements.
2. Mill Test Reports: Submit manufacturer's certificates, indicating structural strength, destructive and nondestructive test analysis.
3. Welder's Certificates: Submit certificates for welders employed on the Work, verifying AWS qualifications within the previous 12 months.

H. Submit test report indicating Design Load Compliance.

1.5 DESIGN REQUIREMENTS

A. Design must be performed under the direct supervision of and sealed by a Professional Structural Engineer licensed in the State of California and experienced in the design of this Work.

B. Design stair assembly to support live load of 100 psf with the deflection of stringer or landing framing not to exceed 1/180 of span.

C. Railing assembly, wall rails, and attachments to resist lateral force of 50 plf or a 200 pound concentrated load at any point without damage or permanent set in accordance with CBC Section.8 and 1607A.8.

D. Design Seismic Loads:

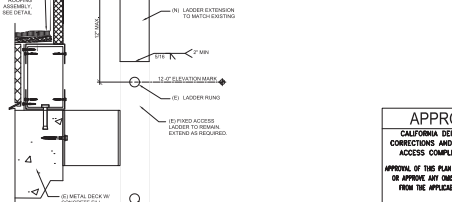
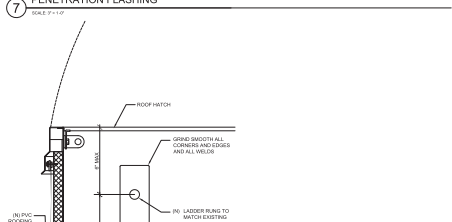
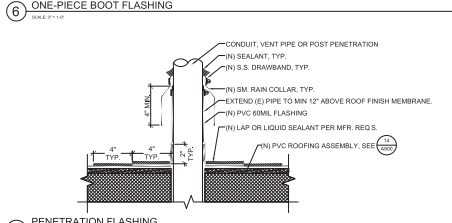
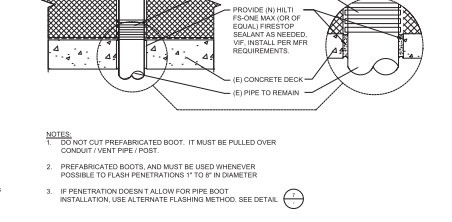
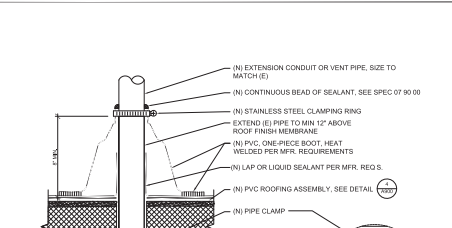
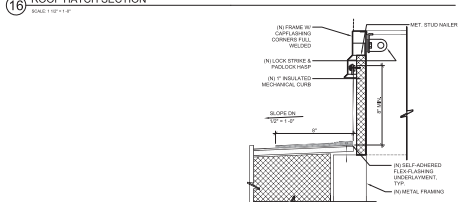
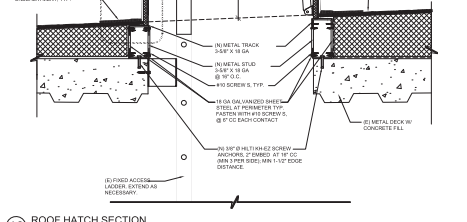
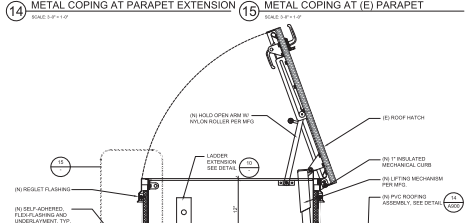
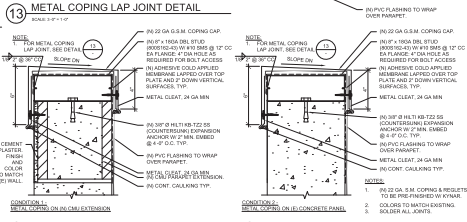
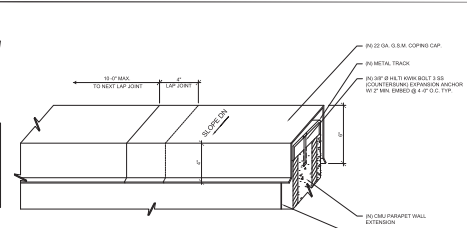
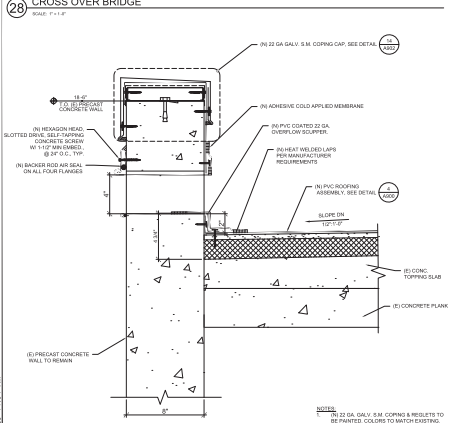
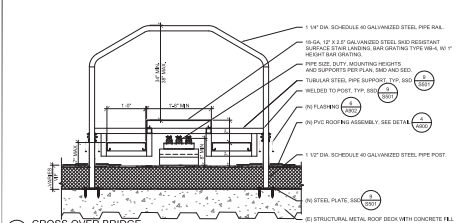
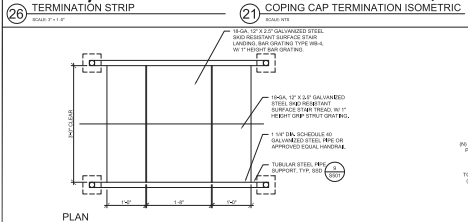
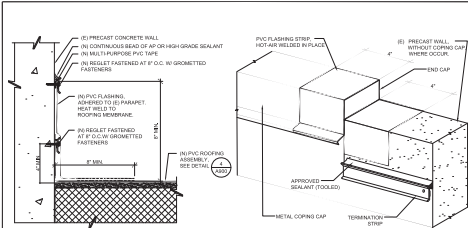
1. Design structure to resist seismic forces in accordance with CBC Chapter 16A.
2. Minimum Design Parameters:
 - a. Occupancy Category: III.
 - b. Site Classification: D.
 - c. Seismic Design Category: D.
 - d. Importance Factor: 1.5.
 - e. Spectral Acceleration: $S_{DS} = 1.428$ and $S_{D1} = 0.720$.
 - f. Response Modification Factor: $R = \text{Varies}$.

E. Provide metal stairs or ramps with skid resistant surfaces over roof piping which might otherwise obstruct passage at designated roof walkways.

F. Components:

1. Constructed from structural steel.
2. Grating Type Stair: Safety grating treads and landings with abrasive safety nosings, risers if shown, channel stringers, and tubular railing system.
3. Plate Type Stair: Checkered plate treads and landings, risers if shown, channel stringers, and tubular railing system.
4. Railing systems may be either round, square, or rectangular tubing; handrails must be round.
5. Except as otherwise directed or required by codes, stairs must be fabricated with open risers and grating treads with safety nosings.
6. Provide steel embeds in concrete as necessary to receive welded attachment.
7. Post-installed concrete anchors.
 - g. Allowable anchor loads from ICC reports are determined using a minimum safety factor of four on ultimate pullout and shear.

METAL STAIRS



OFFICE OF THE STATE FIRE MARSHAL
APPROVED FOR CONSTRUCTION ONLY

STATE OF CALIFORNIA DEPARTMENT OF
CORRECTIONS AND REHABILITATION

PLANS

APPROVAL

CALIFORNIA DEPARTMENT OF
CORRECTIONS AND REHABILITATION

APPROVAL OF THE PLAN DOES NOT AUTHORIZE
OR APPROVE ANY DESIGN OR DETAIL
FROM THE APPLICABLE REGULATIONS.

REVISION NUMBER: 11/20/2024
DATE: 11/20/2024
BY: [Signature]
REVIEWER: [Signature]

SHEET NUMBER

A902



04.15.2025 10:00