

#### Denver Public Schools Purchasing Department 1617 S. Acoma St. Denver, Colorado 80223

#### INVITATION TO BID 14-MC-2202 ADDENDUM NUMBER ONE February 3, 2014

#### THIS ADDENDUM MUST BE ACKNOWLEDGED.

### THIS ADDENDUM SHALL BECOME A PART OF THIS SOLICITATION. Amend Invitation to Bid 14-MC-2202 as follows:

#### 4.01 SECTION 01 2300 Alternates:

- A. Add paragraph:
  - 1.05 H Alternate No. Abe Lincoln HS L.5 Install a fully adhered EPDM roofing system on roof decks 1, 2, 3, 4, 5, 10, 15, 16, 19, 20.

#### 4.02 SECTION 07 5113 Built-Up Bituminous Roofing:

- A. Revise paragraph 2.02 A.1: "Roof Systems R2 and R2.1.....factory tapered insulation (at R2.1 only)....."
- B. Revise paragraph 2.02 A.2: "Roof System R1:...."
- C. Revise paragraph 2.02 A.3: "Roof Systems R3 and R3.1.....factory tapered insulation (at R3.1 only)....."
- D. Delete paragraph 2.02 A.4.
- E. Add paragraph:
  - 2.09 H Fire Barrier Board:
    - Un-faced Gypsum Board: Rigid gypsum wood-fiber composite cover board shall be US Gypsum Securock<sup>tm</sup> Roof Board or approved substitute. Minimum thickness shall be ½".
    - Glass-faced Gypsum Board: Rigid fiberglass mat faced gypsum board shall be Dens-Deck by Georgia Pacific. Minimum thickness shall be ½".

#### 4.03 SECTION 07 5323 Elastomeric Membrane Roofing (Alternate L.5)

A. Add new spec section, attached.

#### **DRAWINGS**

- 5.01 DRAWING G-001:
  - A. Sheet Index: Add sheets A-503L and A-504L per attached drawing.
  - B. Schedule of Alternates: Add Alternate L.5 per attached drawing.
- 5.02 DRAWING G-005:
  - A. Revise roof assembly R1 per attached drawing.
  - B. Revise roof assembly titles for R2, R2.1, R3 and R3.1 per attached drawing.
  - C. Add Alternate L.5 roof assemblies R4, R4.1 and R5 per attached drawing.

- 5.03 DRAWING A-106L:
  - A. Revise roof assembly tags to include Alternate L.5 per attached drawing.
- 5.04 DRAWING A-501L:
  - A. Revise sheet title to include "Base Bid" per attached drawing.
  - B. Revise detail 6 to delete "Existing Concrete Topping" note, per attached drawing.
- 5.05 DRAWING A-502L:
  - A. Revise sheet title to include "Base Bid" per attached drawing.
- 5.06 DRAWING A-503L:
  - A. Add new Roof Detail sheet for Alternate L.5, attached.
- 5.07 DRAWING A-504L:
  - A. Add new Roof Detail sheet for Alternate L.5, attached.

#### ADDITIONAL PRODUCTS AND SYSTEMS

- 6.01 PRODUCTS/SYSTEMS APPROVED
  - A. GENERAL: The following manufacturers, products, and systems are approved in the following specification Sections, subject to compliance with System Standard specification requirements
  - B. 10 2113.13 Metal Toilet Partitions:
    - Add "Hadrian Inc.: www.hadrian-inc.com," to the list of acceptable manufacturers in Paragraph 2.01.

#### **PART 1 GENERAL**

- 1.01 SECTION INCLUDES
  - A. Elastomeric membrane roofing and base flashing application on metal deck, structural concrete, and light weight insulating concrete substrates.
  - B. Insulation, flat and tapered.
  - C. Vapor retarders.
  - D. Roofing accessories, roofing expansion joints, and walkways.
- 1.02 REFERENCE STANDARDS
  - A. ASCE 7 Minimum Design Loads for Buildings and Other Structures; American Society of Civil Engineers; 2011.
  - B. ASTM C1177/C1177M Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing; 2008.
  - C. ASTM C 208 Standard Test Method for Rigid Insulation, Cellulosic Fiber
  - D. ASTM D 4637 Standard Test Method for Vulcanized rubber membranes
  - E. ASTM D 412 Standard Test Method for Tensile strength and elongation
  - F. ASTM D 573 Standard Test Method for Accelerated heat aging
  - G. ASTM D 624 Standard Test Method for Tear resistance
  - H. ASTM D 1149 Standard Test Method for Ozone resistance
  - I ASTM D 573 Standard Test Method for Accelerated heat aging

- J. ASTM D1621 Standard Test Method for Compressive Properties Of Rigid Cellular Plastics; 2010.
- K. ASTM D1622 Standard Test Method for Apparent Density of Rigid Cellular Plastics; 2008.
- ASTM D2126 Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging; 2009.
- M. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials; 2012.
- N. FM 4450 Class I Insulated Steel Roof Decks; current edition.
- O. FM 4470 Class I Roof Covers; current edition.
- P. FM 4880 Approval Standard for Insulated Wall or Wall and Roof/Ceiling Panels; current edition.
- Q. NRCA ML104 The NRCA Roofing and Waterproofing Manual; National Roofing Contractors Association; Fifth Edition, with interim updates.
- R. UL 1256 Fire Test of Roof Deck Constructions; current edition.

#### 1.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Coordinate with installation of associated counter flashings installed by other Sections as the work of this Section proceeds.
- B. Pre-installation Meeting: Convene one week before starting work of this Section.
  - 1. Convene a pre-installation meeting under general provisions of Section 01 7000.
  - 2. Notify Owner, who may request attendance by an independent roofing consultant.
  - Require attendance of parties directly concerned with the work of this Section, including those
    who are required to coordinate with the work, and those who are required to protect the work
    upon completion. Include the manufacturer's technical representative.
  - 4. Review preparation and installation procedures and coordinating and scheduling required with related work.

#### 1.04 SUBMITTALS

- See Section 01 3000 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data indicating membrane, base flashing materials, insulation, vapor retarder, surfacing, and adhesives.
- C. Shop Drawings: Indicate joint or termination detail conditions, conditions of interface with other materials, and setting plan for tapered insulation.
- D. Manufacturer's Installation Instructions: Indicate special procedures.
- E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- F. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

#### 1.05 QUALITY ASSURANCE

- Perform work in accordance with NRCA Roofing and Waterproofing Manual and manufacturer's instructions.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this Section with minimum three years of documented experience.
- C. Applicator Qualifications: Company specializing in performing the work of this Section with minimum five years experience.
- D. Obtain periodic and final inspection of completed roofing installation by roofing manufacturer for acceptance and warrantability.

#### 1.06 DELIVERY, STORAGE, AND HANDLING

- Deliver products in manufacturer's original containers, dry, undamaged, with seals and labels intact.
- B. Store products in weather protected environment, clear of ground and moisture.
- C. Protect foam insulation from direct exposure to sunlight.

#### 1.07 FIELD CONDITIONS

- A. Do not apply roofing membrane during unsuitable weather.
- B. Do not apply roofing membrane when ambient temperature is below 40 degrees F or above 100 degrees F.
- Do not apply roofing membrane to damp or frozen deck surface or when precipitation is expected or occurring.
- D. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed the same day.

#### 1.08 WARRANTY

- A. See Section 01 7800 Closeout Submittals, for additional warranty requirements.
- B. Material Warranty: Provide membrane manufacturer's warranty agreeing to replace material that shows manufacturing defects within 5 years after installation.
- C. System Warranty: Provide manufacturer's system warranty agreeing to repair or replace roofing that leaks or is damaged due to faulty workmanship or materials, wind or other natural causes.
  - 1. Warranty Term: 20 years.
  - Include coverage of roofing system, metal flashings, and insulation materials provided by membrane manufacturer, including installation, resulting from failure to resist penetration of moisture, and failure to comply with specified performance requirements.
  - 3. For repair and replacement include costs of both material and labor in warranty.
  - 4. Exceptions NOT Permitted:
    - a. Damage due to roof traffic.
    - b. Damage due to wind of speed greater than 56 mph but less than 90 mph.

#### PART 2 PRODUCTS

#### 2.01 ROOF SYSTEM DESCRIPTIONS

- Roof Systems R4 and R4.1: Over concrete deck, provide vented base sheet, rigid insulation of thickness to achieve desired R-value, factory tapered rigid insulation (at R4.1 only) to achieve desired slope including crickets, cover board adhered, and 60 mil non-reinforced black EPDM membrane adhered with bonding adhesive as specified.
- Roof System R5: Over metal deck, provide one layer of gypsum core fire barrier board, two or more layers of rigid insulation of thickness to achieve desired R-value, factory tapered rigid insulation crickets to facilitate drainage, cover board adhered, 60 mil non-reinforced black EPDM membrane adhered with bonding adhesive as specified.

#### 2.02 MANUFACTURERS

- A. Acceptable Manufacturers Sheet Materials:
  - 1. Johns Manville Corporation: <a href="www.jm.com">www.jm.com</a>.
  - 2. Firestone Building Products: www.firestonebpco.com/roofing.
  - 3. Carlisle Syntec CorporationCorporation, carlislesyntec.com

#### 2.03 ROOFING ASSEMBLY REQUIREMENTS

- A. General: Provide installed roofing membrane and base flashing system that will remain watertight, will not permit the passage of water, and resist specified uplift pressures, thermally induced movement, and exposure to weather, without failure.
- B. Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by roofing membrane manufacturer based on testing and field experience.
- C. Uplift Pressure Resistance: Provide installed insulation, roofing membrane, and base flashing system that will resist uplift pressures calculated according to ASCE 7 and applicable Building Code requirements, as demonstrated by manufacturer's independent testing:

D. FM Global (FMG) Listing: Provide membrane, base flashings, and component materials that comply with requirements in FMG Data Sheet 1-28, FM 4450, and FM 4470 as part of a roofing system, and that are listed by FM for Class I or non-combustible construction, as applicable. Identify materials with FM markings.

#### 2.04 ROOFING MATERIALS

- A. Elastomeric Membrane Roofing: Shall be 60 mil, non-reinforced pre-cleaned Ethylene Propylene Diene Monomer (EPDM) elastomeric roofing sheet for use in fully-adhered single-ply roofing systems.
- B. Base flashing: Shall be the same type of membrane as the field membrane.
- C. Seam Tape: Shall be peel-and-stick, double-sided butyl sealing strip, 3" wide for sealing lap seams supplied by the manufacturer.

#### 2.05 PRIMERS, SEALANTS, COATINGS, AND CEMENTS

- A. Lap Cement: Where seam tape is not utilized to mate sections of membrane, contractor shall use butyl based lap cement as supplied by the manufacturer.
- B. Bonding Cement: To adhere membrane and flashing to porous surfaces, approved by the manufacturer, shall be butyl based bonding cement as supplied by the manufacturer.
- C. Lap Caulking: To caulk the exposed edges of seams of the membrane (where seam tape is not utilized) and flashing materials shall be rubber-based lap caulking as supplied by the manufacturer.
- D. Sealing Mastic: To seal the membrane and flashing to drain flanges and other metal surfaces shall be butyl-based non-hardening sealant as supplied by the manufacturer.
- E. Pourable Sealer: To fill roof projection pans provide manufacturer's supplied pourable sealer.
- F. Water Cut-offs: To temporarily seal the edges of uncompleted membrane at the end of each work day shall be water cut-off mastic as supplied by the manufacturer.
- G. Primer: To prime metal surfaces prior to the application of cements shall be supplied by the manufacturer.
- I. Fire Barrier Board:
  - Un-faced Gypsum Board: Rigid gypsum wood-fiber composite cover board shall be US Gypsum Securock<sup>tm</sup> Roof Board or approved substitute. Minimum thickness shall be ½".
  - Glass-faced Gypsum Board: Rigid fiberglass mat faced gypsum board shall be Dens-Deck by Georgia Pacific. Minimum thickness shall be ½".
- J. Polyisocyanurate: Rigid board with a foam core and an inorganic fiber glass felt facer. Provide in thickness indicated. Comply with ASTM C 1289, Type II, Class 2, Grade II. Acceptable products shall be:
  - 1. Johns Manville ENRGY 3 CGF
  - 2. Firestone RESISTA Insulation
  - 3. Carlisle Syntec SecurShield POLYISO
  - 4. or approved substitute

#### K. Cover Board:

- 1. ASTM C 1177/C 1177M, glass-mat, water-resistant gypsum substrate, 1/2 inch (12 mm) thick.
  - a. Products:
    - 1) Georgia-Pacific Corporation; Dens Deck Prime.
    - 2) U.S. Gypsum Corporation, Securock™ Glass-Mat Roof Board
- ASTM C 1278, wood fiber/gypsum composite water-resistant roof board. Size: 1/2 inch (12 mm) thick minimum.
  - a. Product: U.S. Gypsum Corporation, Securock™ Roof Board.
- High Density Polyisocyanurate Cover Board: Rigid board with a high density foam core and a clay-coated fiber glass felt facer having a minimum compressive strength of 120 psi (827 kPa). Acceptable products shall be:
  - a. Invinca Roof Board by Johns Manville Corporation
  - b. Isogard HD by Firestone Building Products Corporation

- c. SecurShield HD by Carlisle Syntec Systems
- d. Approved substitute
- 4. When adhered, board size shall be limited to 4' x 4'.
- L. Acceptable Tapered Insulation:
  - Factory tapered polyisocyanurate board with a 1/8" per foot to 1/4" per foot (refer to drawings).

#### M. Insulation Adhesive:

- Low-rise spray-applied single-component polyurethane foam adhesive. Acceptable products shall be IINSTA-STIK (tm) as manufactured by Insta-Foam Products, Inc., a division of Flexible Products Company, 1500 Cedarwood Dr., Joliet, IL 60435-3187. Telephone: (815) 741-6800; or approved substitute.
- Low-rise spray-applied two-component polyurethane foam adhesive. Acceptable products shall be:
  - a. I.S.O. Spray Insulation adhesive as manufactured by Firestone Building Products Company, 525 Congressional Blvd., Carmel, Indiana 46032. Telephone: 1-800-428-4442, http://www.firestonebpco.com
  - b. OlyBond® Adhesive Fastener as manufactured by Olympic Manufacturing Group, P.O. Box 508, 153 Bowles Road, Agawam, MA 01001, 413.789.0252 (phone) 800.633.3800 (phone) 413.789.1069 (fax) e-mail: info@olyfast.com www.olyfast.com
- 3. Hot Asphalt: Type IV asphalt complying with ASTM D 312.
- 4. Approved substitute

#### 2.06 OTHER SHEET MATERIALS

- Vented Base Ply: Stratavent Eliminator venting base sheet by GAF Corporation or approved substitute.
- B. Temporary Roof: Two layers of fiber glass finishing felt, meeting ASTM-D-2178, Type IV.
- Membrane Asphalt Dams & Water Cut-offs: 30# asphalt saturated organic felt complying with ASTM D2626.

#### 2.07 BITUMINOUS MATERIALS

- A. Asphalt Bitumen: ASTM D312. The temperature differential between the asphalt's Equiviscous Temperature (EVT) and Flash Point Temperature shall be a minimum of 125 degrees o F (42 degrees Celsius). The Flash Point (FP) shall not exceed 550 o F (288 degrees Celsius). The application temperature range shall range from 425 o F (218 degrees Celcius) to 475 o F (246 degrees Celcius).
  - 1. Insulation adhesive, interply moppings and base flashing application: Type IV, ASTM D312 asphalt
  - 2. Acceptable manufacturers are listed below:
    - a. United Asphalts, Inc.

4306 E. 60th Ave.

Commerce City, CO 80022

Tel.: (303) 287-5431

b. Trumbull Asphalt

Denver, Colorado

- B. Primer: Cut-back asphalt conforming to ASTM D 41.
- C. Roof Cement: Asphalt based, conforming to Federal specifications SS-C-153, Type I, and ASTM D 4586.

#### 2.08 ACCESSORIES

- A. Prefabricated Roofing Expansion Joint Flashing: As specified in Section 07 7100.
- B. Pre-Cut Tapered Edge Strips:
  - 1. Wood Fiber Board meeting ASTM C208, Type II, Grade 2.

- 2. Substitutions: See Section 01 6000 Product Requirements
- C. Insulation Fasteners: Appropriate for purpose intended and approved by roofing manufacturer.
  - Length as required for thickness of insulation material and penetration of deck substrate, with metal washers.
- D. Liquid-applied Reinforced Flashing System:
  - Two coats of a catalyzed two component elastomeric asphalt-modified urethane flashing material encapsulating a layer of stitch-bonded polyester scrim. Acceptable product shall be: PermaFlash™ Flashing System consisting of the following products: PermaFlash™ Primer. MBR Flashing Cement™ and PermaFlash™ Scrim as manufactured by Johns Manville Corporation, 717 17th Street, Denver, CO 80202. Tel. 1-800-654-3103. FAX: (303) 978-2318. www.jm.com
- E. Pipe Supports: Cooper B-Line's Dura-Block rubber pipe support with through-bolted channel and clamp assembly. http://www.cooperbline.com/Dura-Blok/index.asp

#### **PART 3 EXECUTION**

- 3.01 VENTED BASE PLY ROOF INSTALLATION CONVENTIONAL APPLICATION
  - A. Extend vented base ply under blocking. Turn up wall and seal watertight.
  - B. Seal vented base ply to all penetrations and terminations.
  - C. Install in accordance with the manufacturer's guidelines and recommendations.

#### 3.02 INSULATION APPLICATION

- A. Metal Decks: Secure first course of insulation to over entire roof surface with mechanical anchors secured into upper flutes of metal deck, spaced in accordance with the manufacturer's prescribed fastening pattern to meet the minimum anchorage required for the uplift pressure calculated based on the design criteria required by code.
- B. Concrete Decks: Secure first course of insulation to over prepared substrate, vapor retarder, temporary roof or base sheet with adhesive at the prescribed rate to meet the manufacturer's attachment requirements for the uplift pressure calculated based on the design criteria required by code.
- C. If multiple courses of insulation are utilized to obtain R-value, fasten subsequent layers in accordance with the manufacturer's requirements for the uplift pressure calculated based on the design criteria required by code. Lay second layer of insulation with joints staggered from first layer.
- D. Lay insulation boards to moderate contact without forcing joints. Cut insulation to fit neatly to perimeter blocking and around protrusions through roof.
- E. Lay tapered boards below the cover board. Conform to configuration shown on Drawings, and provide tapered boards for a distance of 48-inches back from roof drains for positive drainage.
- F. Lay tapered board to establish pitch to drains.
- 3.03 VAPOR RETARDER/TEMPORARY ROOF MEMBRANE APPLICATION
  - A. Apply the asphalt at the Equiviscous Temperature (EVT) at Point of Application: In accordance with NRCA recommendations.
  - B. Apply the 2-ply vapor retarder membrane using hot asphalt as an adhesive at the rate of 25 to 30 lbs./sg. in accordance with the manufacturer's guidelines and recommendations.
  - C. Apply membrane plies, weather lap edges and ends, and mop with 25 lb/square of bitumen per ply. Apply plies in a shingle fashion, broomed in place.
  - D. Apply smooth, free from air pockets, wrinkles, fish-mouths, or tears.
  - E. At end of day's operation, install two plies of membrane and bitumen glaze coat for cut-off. Glaze exposed felts. Remove cut-off before resuming roofing.

- F. At intersections with vertical surfaces extend membrane up the vertical surfaces a minimum of 4 inches and seal top edge.
- G. Around roof penetrations seal penetrations with flashing materials as specified.

#### 3.04 MEMBRANE APPLICATION

- A. Furnish and Install a non-reinforced 60 mil fully-adhered EPDM single-ply membrane system in strict accordance with the manufacturer's Roofing System Application Procedures and Roofing Systems Specifications.
- B. All mating surfaces shall be cleaned with unleaded gasoline or splice wash and clean white cotton rags and primed with lap splice primer.
- C. Field seams shall be fabricated using 3" seam tape.
- D. Vertical Flashing Seams shall be a minimum of 6" wide.
- E. Field and factory "tee" seams shall be covered with uncured EPDM patches with edges sealed with lap caulking.
- F. Base tie-in details may be performed with a reinforced securement strip (RSS) or anchor bar. The RSS shall be fastened with screws and plates per the manufacturer's recommendations.

#### G Water Cut-Offs

- 1. At the end of each day's work, temporary water cut-offs shall be installed at each tie-in.
- 2. The gravel from the existing roof must be removed along the tie-in. The existing membrane shall be washed with wet rags and allowed to dry.
- 3. Contractor shall utilize the necessary means to effect a watertight tie-in that will not fail as a result of shrinkage of the existing membrane.
- Apply a continuous bead of water cut-off mastic over the existing PVC membrane, approximately 6" from the edge.
- 5. Extend the new membrane onto the existing PVC membrane, making contact with the water cut-off mastic and seal the remaining lap splice with contact adhesive.
- 6. Over the tie-in, install wood or metal batten strips with gaps in between to allow for drainage.
- 7. Water cut-offs shall be completely removed when work is resumed.

#### H. Interior Roof Drain Flashing System

- 1. Verify all components of cast iron drain system are properly installed by others before installing flashing system. Verify correctness of primary and secondary drain locations.
- 2. Extend membrane into the drain bowl and cut a neat round hole, the same diameter as the drain pipe, in the membrane. Apply a generous amount of water block mastic between the membrane and the drain bowl and install the clamping ring and tighten the stem bolts evenly to achieve approximately 40 ft.- lbs. of torque. Do not over tighten. Install the strainer basket, locked into place.
- I. Install roofing expansion joints with closures and custom fabricated transitions where indicated. Make joints watertight.
- J. Coordinate installation of roof drains and related flashings.

#### 3.05 FLASHINGS:

#### A. Curb Flashings:

- 1. Remove mechanical equipment from curb where feasible or as designated on the drawings.
- 2. Prepare substrate to receive new membrane flashing materials. Do not apply adhesives and new flashing material to incompatible materials such as PVC coated metal, etc.
- 3. Install new roofing membrane and terminate as required. Base tie-ins may be performed with a reinforced securement strip (RSS) or anchor bar detail. RSS strips mechanically fastened per the manufacturer's recommendations.

- 4. Install new flashing membrane per detail drawings and in accordance with the manufacturer's recommendations, without voids or wrinkles..
- 5. At all horizontal-to-vertical transitions, furnish and install a 6" wide uncured EPDM target patch over all vertical seams. At all corners, furnish and install target patches and lap caulk.
- 6. Furnish and install a sheet metal slip flashing around the curb to cover and protect the top edge of the base flashing.

#### B. Parapet Wall Flashings:

- Extend membrane up the wall and over the top of the parapet, past the joint between the masonry and the wood nailer. Patch relief cuts at the corners.
- 7. Install new flashing membrane per detail drawings in accordance with the manufacturer's recommendations.

#### C. Pipe Penetrations:

- 1. Whenever possible, use pre-molded rubber flashings for non-fixed roof projections.
- Pipes or conduits less than 1" in diameter shall be flashed with a sealer pan with a sheet metal hood and then sealed with liquid-applied reinforced flashing system as specified. FIELD WRAPS WILL NOT BE ACCEPTABLE.
- 9. Fix the membrane around the penetration per manufactures approved details and recommendations.
- 10. Clamp and seal top edge of boots per manufacturer's approved details and recommendations.
- 11. Furnish and install storm collars and sealant.

#### D. Pipe Clusters:

1. Flash multiple penetrations with a wood or metal curb, retrofitted with a metal hood. Fill curb with insulation and seal penetrations with sheet metal closures and sealant. Modify pipes, cables, flexible lines as needed to provide slope away from the penetration flashing.

If your proposal has been submitted and you wish to amend it, please modify your proposal on company letterhead. The amended proposal must be received prior to or included at the time and date set for the proposal opening. Each modification submitted to the District's Purchasing Office located at 1617 S. Acoma St. Denver, CO 80223. It must have Vendor's name and return address and the applicable RFP number and title of the RFP clearly marked on the face of the envelope.

If more than one modification is submitted, the modification bearing the latest date of receipt by the District's Strategic Sourcing Office will be considered the valid modification.

\*\*\*\*\*This addendum must be acknowledged, whether or not you amend your proposal.\*\*\*\*\*

### This Addendum must be included in your submittal or proposal, providing you do not need to amend your proposal.

#### PRINT OR TYPE YOUR INFORMATION Name of Company: \_\_\_\_\_ Fax: \_\_\_\_\_ City/State: Address: \_\_\_ Phone: \_\_\_\_\_ Contact Person: \_\_\_\_ Title: \_\_\_\_\_ Authorized Representative's Signature: Phone: \_\_\_\_\_ Printed Name: \_\_\_\_ Title: Date: Approved by: \_\_\_\_\_ Date: \_\_\_\_\_ Reviewed by: \_\_\_\_\_ Date:

14-MC-2202 Addendum # 2

Project Directory

Margaret Anderson- margaret\_anderson@dpsk12.org

### **Architect:**

### MOA ARCHITECTURE 821 17th Street, Suite 400

Denver, CO 80202 V: 303.308.1190 F: 303.308.1197 Joseph Doyle- jdoyle@moaarch.com

### **Architect's Consultants:**

**BUILDING SECTION:** 

**DETAIL INDICATOR:** 

PARTIAL SECTION:

SECTION DETAIL:

Exterior

**ELEVATION INDICATOR:** 

DRAWING BLOCK:

**Electrical Engineer: RJ McNutt & Associates** 11400 38th Ave. Greeley, CO 80634 V: 970.330.3266 F: Fax number Waylon Cash- waylon@rjmcnutt.com

**Mechanical Engineer: ENVISION** 9777 Pyramid Court, Suite 230 Englewood, Colorado 80112 V: 303.688.0223 F: 303.688.3584 Jerry Bivens- jkb@envisionengrs.com Emerson Bonilla- MEB@EnvisionEngrs.com

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**Roof Consultant:** Cybercon Consulting, Inc. 6482 S. Quebec St., Building #3 Centennial, Colorado 80111 V: 303.741.6020 F: 303.741.5776 Nick Lovato- cyberconengineer@qwestoffice.net

Section Number

Sheet Number

Section Number

 Section Number Sheet Number

Section Number

Sheet Number

Section Number

Sheet Number

Multiple View

Sheet Number

Single View

DRAWING BLOCK TITLE

2 DRAWING SCALE CROSS REFERENCE

Sheet Number

Elevation Number

Elevation Numbers

Sheet Number

**Pool Consultant:** Water Technology, Inc. 100 Park Ave, PO Box 614 Beaver Dam, WI 53916 V: 920.887.7375 F: 920.887.7999 Douglas Whiteaker- dwhiteaker@watertechnologyinc.com

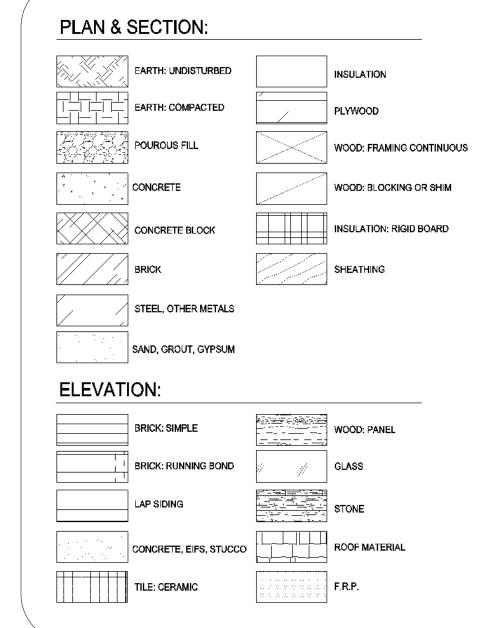
Civil Engineer: JVA, Inc. 1319 Spruce St. Boulder, CO 80302 V: 303.444.1951 F: 303.444.1957 Kevin Tone- ktone@jvajva.com Bill Bornick- bbornicke@watertechnologyinc.com Xavier Torrents- xtorrents@jvajva.com

# Owner:

F: 720.424.5466

**Denver Public Schools** 1617 South Acoma St Denver, CO 80223 V: 720.423.1917

# -Material Symbols-



# Reference Symbols

DOOR OPENING:

WALL PANEL TYPE:

SYSTEM NOTE:

F=FLOOR, P=PARTITION

REVISION:

W=WALL, C=CEILING, R=ROOF

**KEYNOTE INDICATOR:** 

WALL PANEL CENTERLINE:

**EQUIPMENT INDICATOR:** 

**ELEVATION MARK:** 

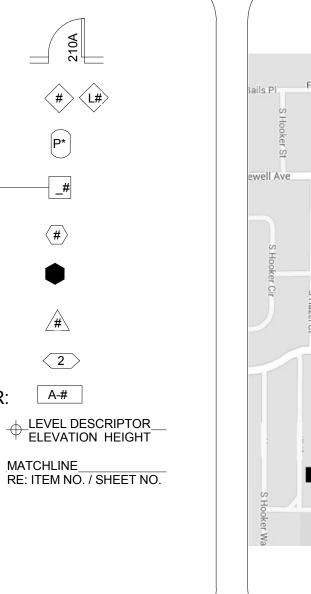
MATCHLINE:

MATERIAL/FINISH INDICATOR:

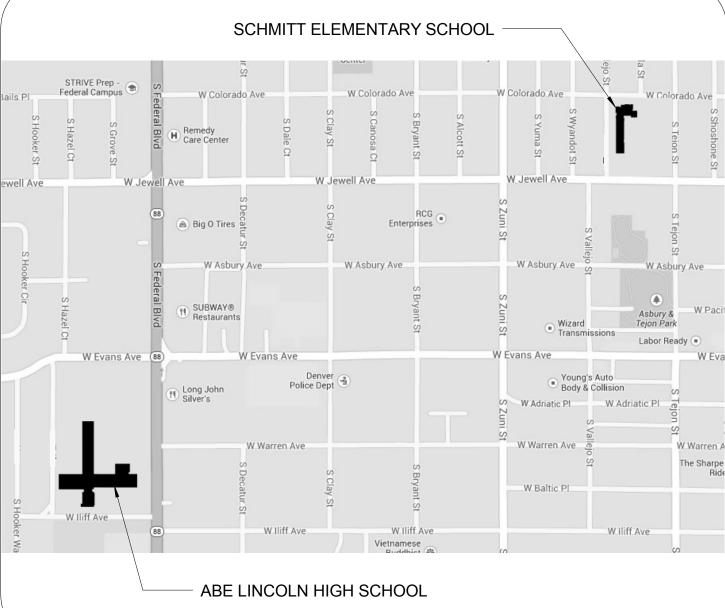
**NORTH INDICATOR:** 

**GRAPHIC SCALE:** 

WINDOW LOUVER TYPE



# -Vicinity Map-



# **COVER SHEET**

## **GENERAL**

G-001 SHEET INDEX PROJECT DIRECTORY G-002L LINCOLN CODE COMPLIANCE PLAN G-003L LINCOLN CODE COMPLIANCE PLAN G-004S SCHMITT CODE COMPLIANCE PLAN

### G-005 SYSTEM ASSEMBLIES **ABE LINCOLN HIGH SCHOOL**

LEGEND & NOTES DRAINAGE PLAN & DETAILS

C-001L C-100L AD-101L DEMOLITION PLAN-BASEMENT LEVELS 1 & 2

AD-102L DEMOLITION PLAN-GROUND LEVEL AD-103L **DEMOLITION PLAN-LEVEL 1** AD-104L **DEMOLITION PLAN-LEVEL 2** DEMOLITION PLAN-LEVEL: AD-105L AD-106L **DEMOLITION PLAN-ROOF** AD-107L DEMOLITION REFLECTED CEILING PLAN AD-401L **ENLARGED DEMOLITION PLANS** 

FLOOR PLAN-LEVEL 1

FLOOR PLAN-LEVEL 2

FLOOR PLAN-LEVEL 3

REFLECTED CEILING PLANS

CASEWORK ELEVATIONS

CASEWORK SECTIONS

ENLARGED PLANS

ENLARGED PLANS

ENLARGED PLANS

, DĘTAILS/

ROOF DETAILS (BASE BID)

ROOF DETAILS (BASE BID)

MECHANICAL SCHEDULES

ROOF DETAILS (ALTERNATE L5)

ROOF DETAILS (ALTERNATE L5)

DOOR FRAME SCHEDULES & ELEVATIONS

MECHANICAL LEGENDS, SCHEDULES & GENERAL NOTES

MECHANICAL DEMOLTION-OVERALL GROUND FLOOR PLAN

MECHANICAL DEMOLITION-OVERALL LEVEL 1 FLOOR PLAN

MECHANICAL DEMOLITION-OVERALL LEVEL 2 FLOOR PLAN

MECHANICAL DEMOLITION- OVERALL LEVEL 3 FLOOR PLAN

MECHANICAL DEMOLITON-BASEMENT LEVELS 1 & 2

MECHANICAL DEMOLITION-OVERALL ROOF PLAN

MECHANICAL-OVERALL GROUND FLOOR PLAN

MECHANICAL-OVERALL LEVEL 1 FLOOR PLAN

MECHANICAL-OVERALL LEVEL 2 FLOOR PLAN

MECHANICAL-OVERALL LEVEL 3 FLOOR PLAN

ENLARGED MECHANICAL PLANS-SCIENCE LABS

ENLARGED MECHANICAL PLANS-BOILER ROOM & POOL

PLUMBING LEGENDS, SCHEDULES & GENERAL NOTES

PLUMBING DEMOLTION-OVERALL GROUND FLOOR PLAN

PLUMBING DEMOLITION-OVERALL LEVEL 1 FLOOR PLAN

PLUMBING DEMOLITION-OVERALL LEVEL 2 FLOOR PLAN

PLUMBING DEMOLITION-OVERALL LEVEL 3 FLOOR PLAN

ENLARGED PLUMBING DEMOLITION PLANS-SCIENCE LABS

ENLARGED PLUMBING DEMOLITION PLANS-SCIENCE LABS

ENLARGED PLUMBING DEMOLITION PLANS-GIRLS/BOYS ROOM

ENLARGED PLUMBING DEMOLITION PLANS-BOILER ROOM & POOL

PLUMBING DEMOLITOIN-BASEMENT LEVELS 1 & 2

PLUMBING DEMOLITION PLAN - CRAWL SPACE

PLUMBING DEMOLITION-OVERALL ROOF PLAN

PLUMBING PLAN-BASEMENT LEVEL 1 & 2

PLUMBING PLAN-OVERALL GROUND FLOOR PLAN

PLUMBING PLAN-OVERALL LEVEL 1 FLOOR PLAN

PLUMBING PLAN-OVERALL LEVEL 2 FLOOR PLAN

PLUMBING PLAN-OVERALL LEVEL 3 FLOOR PLAN

ENLARGED PLUMBING PLANS-BOILER ROOM & POOL

ENLARGED PLUMBING PLANS-GIRLS/BOYS ROOM

PLUMBING PLAN-OVERALL ROOF PLAN

ENLARGED PLUMBING PLAN-SCIENCE LABS

**ENLARGED PLUMBING PLAN-SCIENCE LABS** 

PLUMBING PLAN - CRAWL SPACE

MECHANICAL-OVERALL ROOF PLAN

CONTROL DIAGRAMS

MECHANICAL DETAILS

MECHANICAL DETAILS

MECHANICAL-BASEMENT LEVEL 1 & 2

ROOF PLAN

AD-402L ENLARGED DEMOLITION PLANS AD-403L ENLARGED DEMOLITION PLANS AD-404L **ENLARGED STAIR DEMOLITION PLANS** AD-405L **ENLARGED STAIR DEMOLITION PLANS** AD-501L DEMOLITION ROOF DETAILS A-101L FLOOR PLAN-BASEMENT LEVELS 1 & 2 A-102L FLOOR PLAN-GROUND LEVEL

A-103L

A-104L

A-105L

A-106L

A-107L

A-201L

A-202L

A-401L

A-402L

A-403L

\_A-50<del>0</del>L∕

A-501L

A-502L

A-503L

A-601L

M-001L

M-002L

MD-101L

MD-102L

MD-103L

MD-104L

MD-105L

MD-106L

M-101L

M-102L

M-103L

M-104L

M-105L

M-106L

M-402L

M-501L

M-601L

M-602L

P-001L

PD-101L

PD-101.1L

PD-102L

PD-103L

PD-104L

PD-105L

PD-106L

PD-401L

PD-402L

PD-403L

PD-404L

P-101L

P-101.1L

P-102L

P-103L

P-104L

P-105L

P-106L

P-401L

P-402L

P-403L

P-404L

**MECHANICAL** 

#### P-601L PLUMBING DETAILS P-602L PLUMBING SECTIONS & ELEVATIONS

**ELECTRICAL** E-001L **LEGEND & GENERAL CONSTRUCTION NOTES ELECTRICAL-BASEMENT LEVELS 1 & 2 PLANS** E-101L

E-102L ELECTRICAL-GROUND LEVEL PLAN E-103L ELECTRICAL-LEVEL1 PLAN ELECTRICAL-LEVEL 2 PLAN E-104L E-105L **ELECTRICAL-LEVEL 3 PLAN** 

**ELECTRICAL-ROOF PLAN** E-106L E-401L ENLARGED 3RD FLOOR SCIENCE ROOMS-LIGHTING PLAN E-402L ENLARGED 3RD FLOOR SCIENCE ROOMS-POWER PLAN

E-403L ENLARGED MECHANICAL BOILER ROOM, MECHANICAL POOL ROOM-POWER PLAN E-501L **ELECTRICAL ONE-LINE** E-502L **ELECTRICAL PANELS & LIGHT FIXTURE SCHEDULE** E-601L ELECTRICAL EQUIPMENT SCHEDULE

E-602L MECHANICAL EQUIPMENT SCHEDULE E-701L ELECTRICAL DETAILS POOI

W-101L

WD-100L

MECHANICAL DETAILS

DEMOLITION EXISTING COMPETITION POOL EXISTING COMPETITION POOL SECTIONS WD-101L WD-102L DEMOLITION EXISTING COMPETITION POOL PIPING AND MECHANICAL ROOM NEW POOL PIPING, MECHANICAL EQUIPMENT & DETAIL W-100L

# SCHMITT ELEMENTARY SCHOOL

# **ARCHITECTURAL**

A-102S

AD-101S DEMOLITION PLAN-BASEMENT & LEVEL AD-102S DEMOLITION PLAN-LEVEL 2 & ROOF AD-501S DEMOLITION ROOF DETAILS FLOOR PLAN-BASEMENT & LEVEL A-101S

FLOOR PLAN-LEVEL 2 & ROOF

A-401S ENLARGED DEMOLITION, NEW WORK & REFLECTED CEILING PLANS A-402S PLAN DETAILS, SECTIONS & DOOR SCHEDULE

A-501S ROOF DETAILS **MECHANICAL** 

#### M-001S MECHANICAL LEGENDS, SCHEDULES & GENERAL NOTES MD-101S MECHANICAL DEMOLITION-BASEMENT & LEVEL 1 PLAN MD-102S MECHANICAL DEMOLITION-LEVEL 2 & ROOF PLAN M-101S MECHANICAL-OVERALL BASEMENT & LEVEL 1 PLAN M-102S MECHANICAL-OVERALL LEVEL 2 & ROOF PLAN M-401S ENLARGED MECHANICAL-LIBRARY PLANS

MECHANICAL-CONTROL DIAGRAMS M-501S M-601S MECHANICAL DETAILS P-001S PLUMBING LEGENDS, SCHEDULES & GENERAL NOTES P-104S PLUMBING-DEMOLITION & NEW ROOF PLAN

E-001S LEGEND & GENERAL CONSTRUCTION NOTES E-101S ELECTRICAL-BASEMENT & LEVEL 1 PLAN ELECTRICAL-LEVEL 2 & ROOF PLAN E-102S ENLARGED LIBRARY & DATA ROOM, DEMOLITION & NEW PLANS E-401S

E-501S ELECTRICAL ONE LINE E-502S **ELECTRICAL PANELS** E-601S **ELECTRICAL SCHEDULE** E-701S ELECTRICAL DETAILS

### FIRE ALARM

FA-100S FIRE ALARM SYSTEM INFORMATION FA-101S FIRE ALARM-BASEMENT & MODULAR CLASSROOMS FA-102S FIRE ALARM - LEVEL 1

FA-103S FIRE ALARM PLAN - LEVEL 2 FA-104S FIRE ALARM PLAN - CONCEPTUAL ONE-LINE DIAGRAM

# SCHEDULE OF ALTERNATES

ABE LINCOLN HS - L.1 REPLACE UNIT VENTILATORS ABE LINCOLN HS - L.2 REMOVE POOL ITEMS. REMOVE ABANDONED DECK RADIANT HEAT SYSTEM. REMOVE UNDERWATER LIGHTS ABE LINCOLN HS - L.3 REPLACE EXIT LIGHTING ABE-LINCOLN HS - L4 REPLACE POOL FILTERS ABE LINCOLN HS - L.5 INSTALL A FULLY ADHERED EPDM ROOFING SYSTEM ON ROOF DECKS: 1, 2, 3, 3 4, 5, 10, 15, 16, 19, 20 SCHMITT ES - S.1 REPLACE ALL UNIT VENTILATORS. PROVIDE NEW DDC CONTROL SYSTEM FOR NEW EQUIPMENT

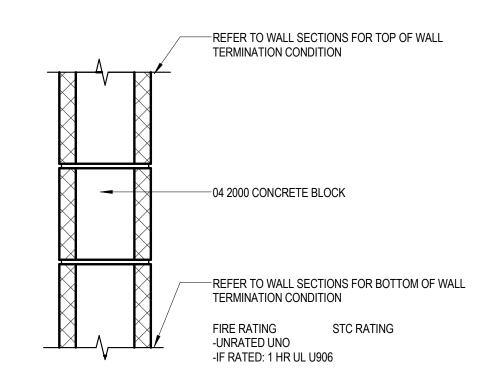
PROVIDE NEW DDC CONTROL SYSTEM FOR EXISTING AIR HANDLING UNITS

REPLACE EXIT LIGHTS AND REPLACE EMERGENCY LIGHTING

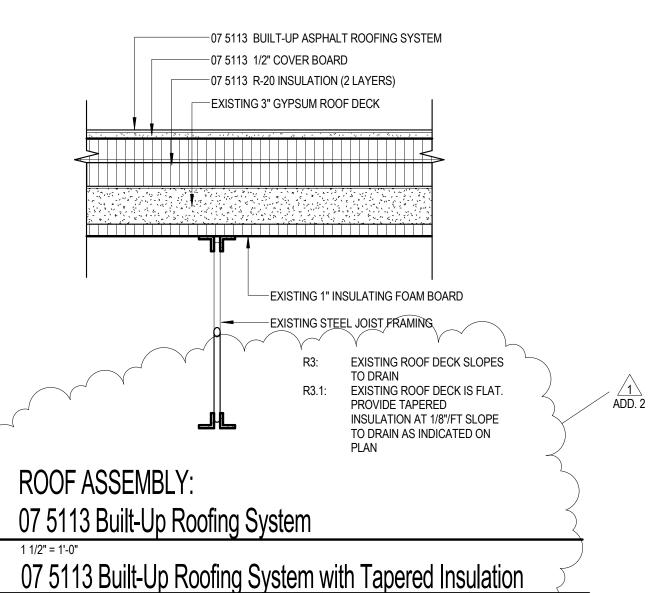
Copyright:
ALL DRAWN AND WRITTEN INFORMATION APPEARING HEREIN SHALL NOT BE DUPLICATED, DISCLOSED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT O

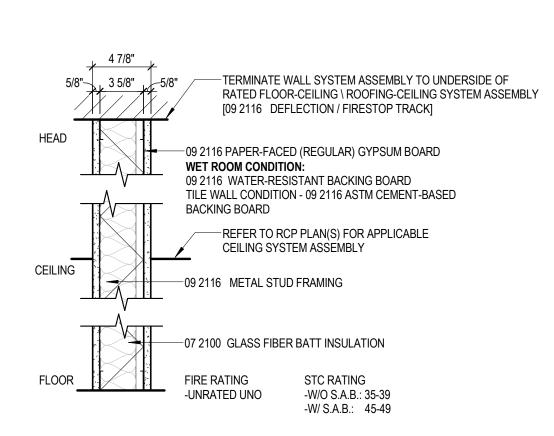
MOA ARCHITECTURE

Date			MOA ARCHITECTURE COLORIDO I VYMM CO DE 1111 STECT: SU CO SU DE 1411 STECT: SU CO SU SU CONTROL SUCCO SU	MOA ARCHITECTURE 821 17TH ST. DENVER, CO 80202 303.308.1190	G-00'	_	HEET:  OF:	
DENVER PUBLIC  DEPARTMI FACILITIES MA  APPROVED CONTR	ENT OF NAGEMENT	Designed By:						
ADDENDUM NO. 100% CD  MARKDESCRIPTI	30 JAN 2014	<u> </u>	& SC	BE LINCOLN HI HMITT ELEMEN				
		DENVER PUBLIC SCHOOLS  DEPARTMENT OF FACILITIES MANAGEMENT  SCHOOL DISTRICT NO. 1 SCHOOL NO. 450 SITE NO. 99 DENVER, CO						
NO. DATE			DESCRIPTION OF	REVISION	AUTHORITY	MADE	APPRV'[	

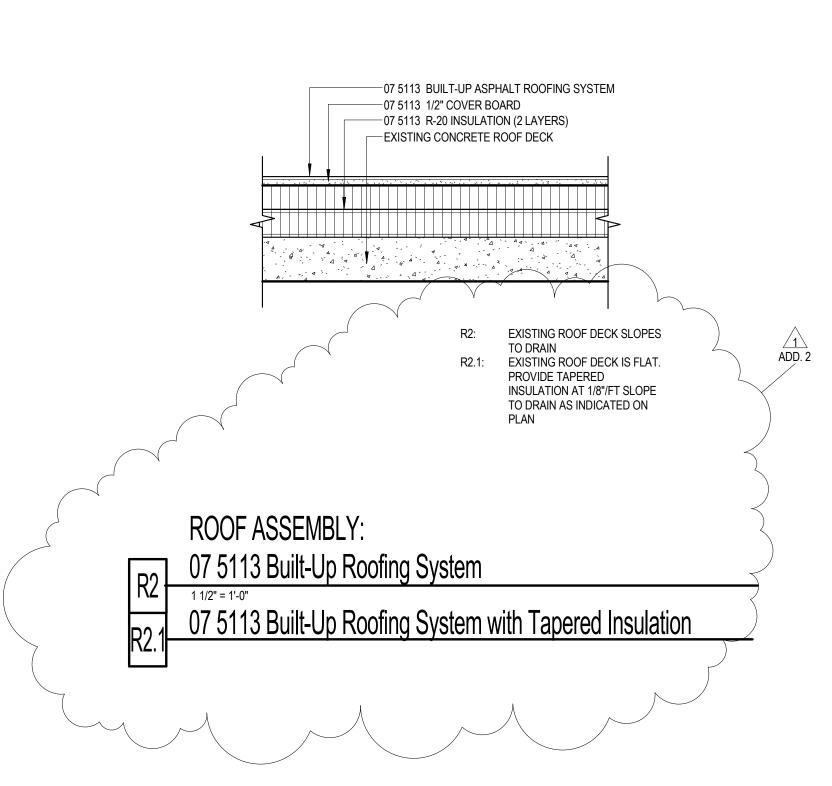


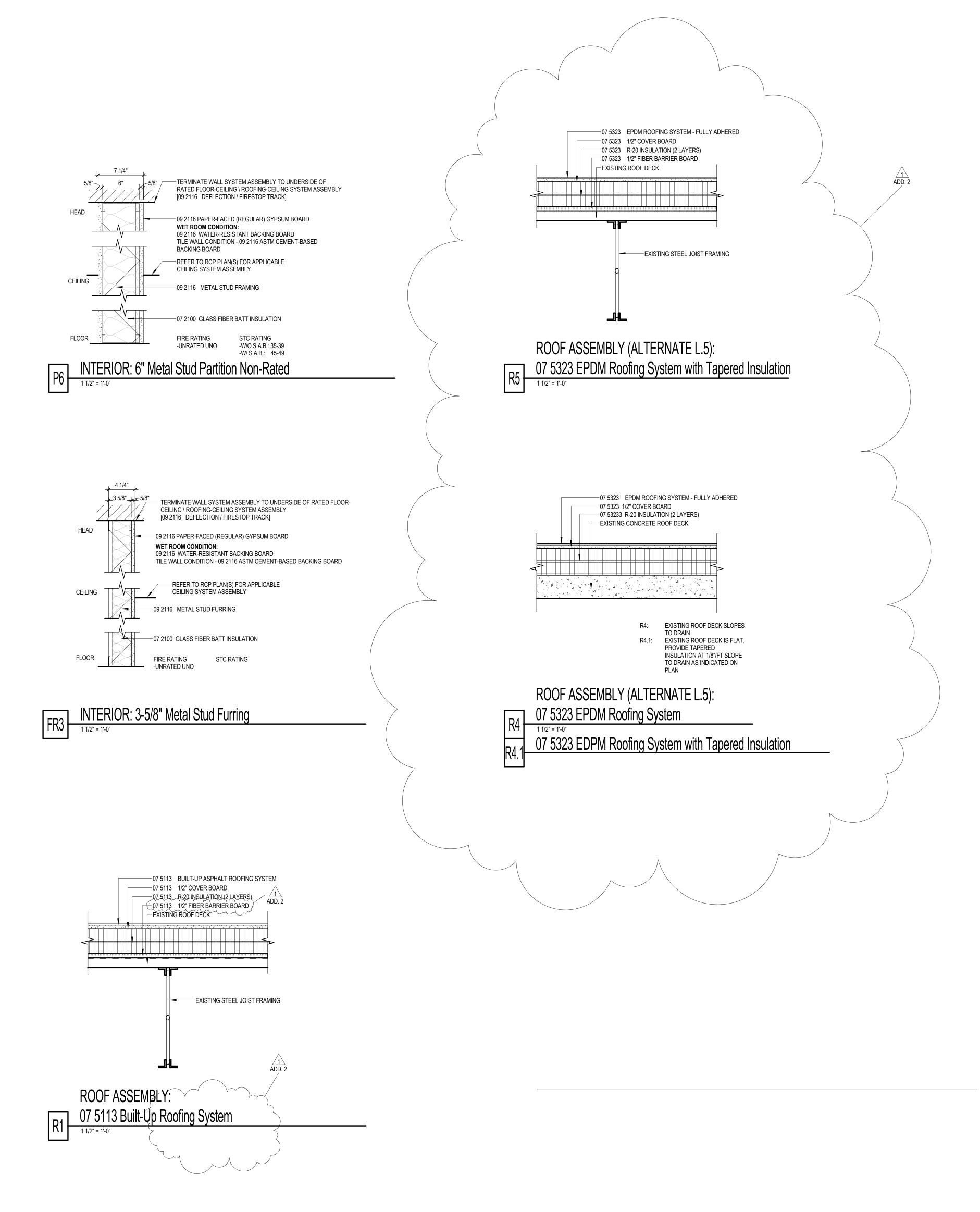






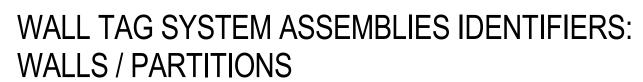
P3a	INTERIOR: 3-5/8" Metal Stud Partition Non-Rated - Acoustic
rsa	1 1/2" = 1'-0"
D20 1	INTERIOR: 3-5/8" 1 HR-Rated - Acoustic
D3	INTERIOR: 3-5/8" Non-Rated
٢٥	

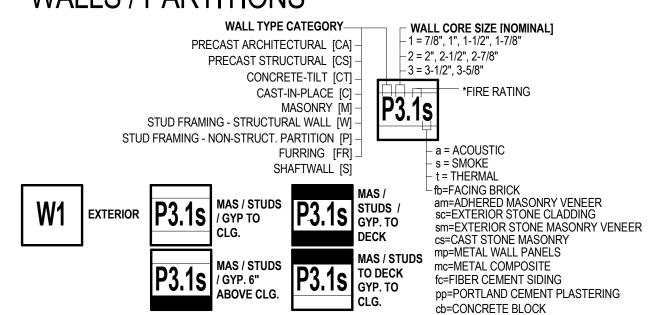


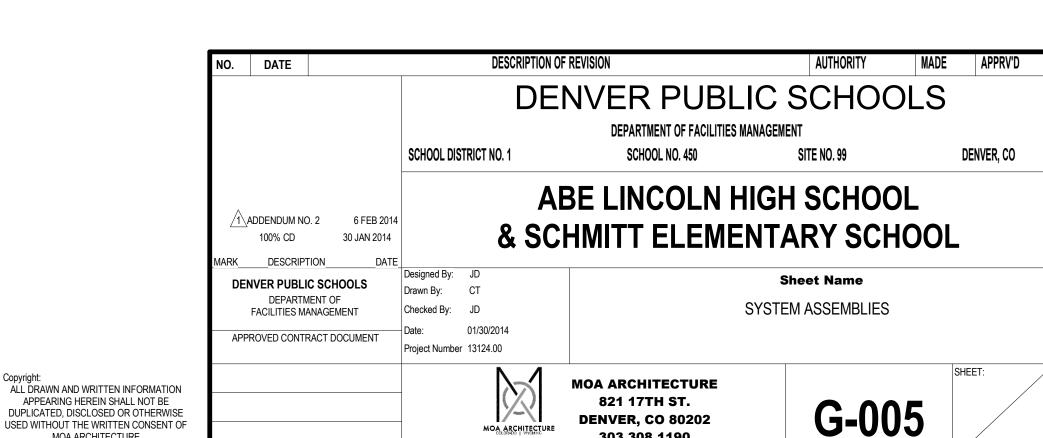


USED WITHOUT THE WRITTEN CONSENT OF

MOA ARCHITECTURE





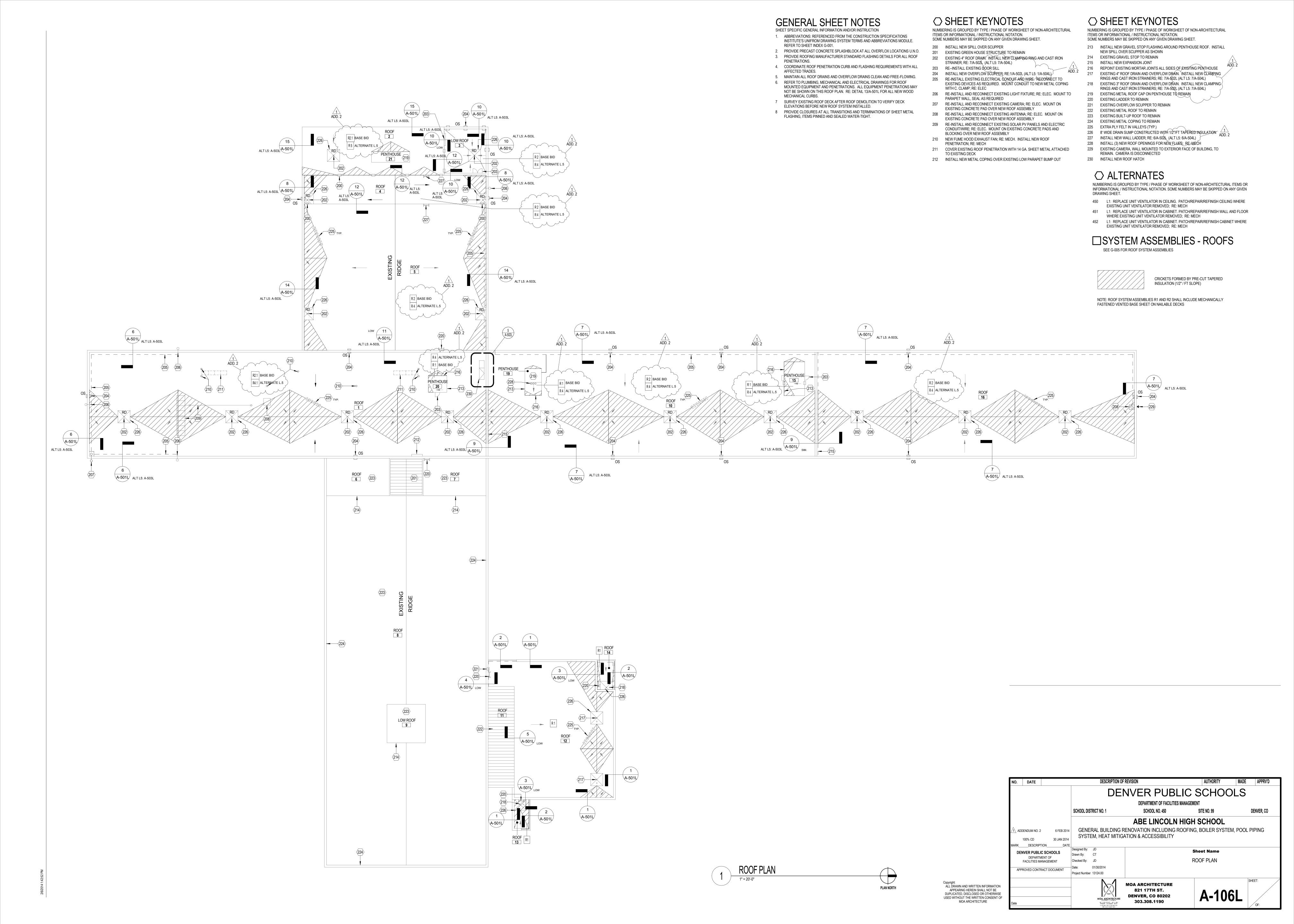


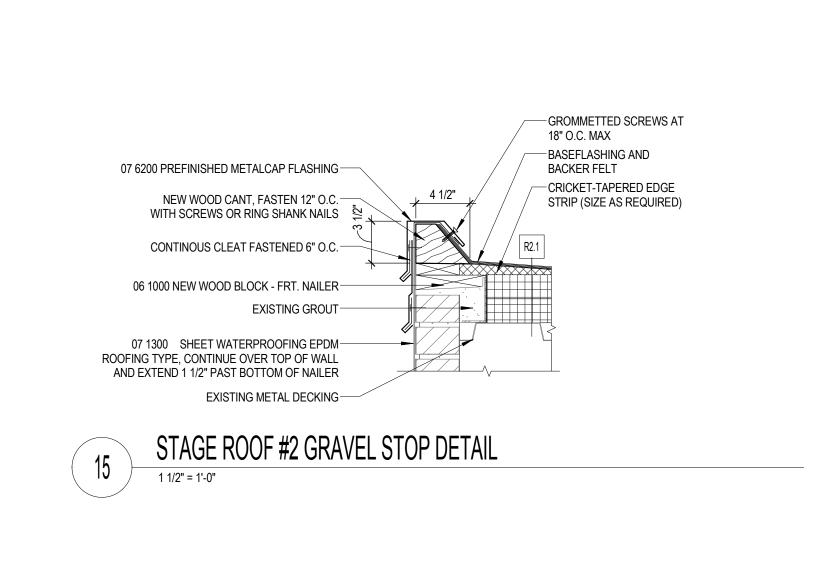
**DENVER, CO 80202** 

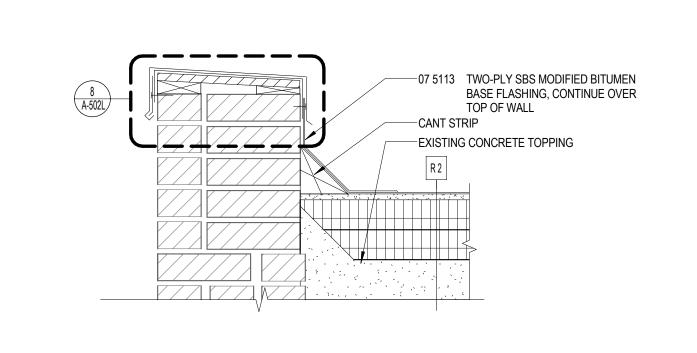
303.308.1190

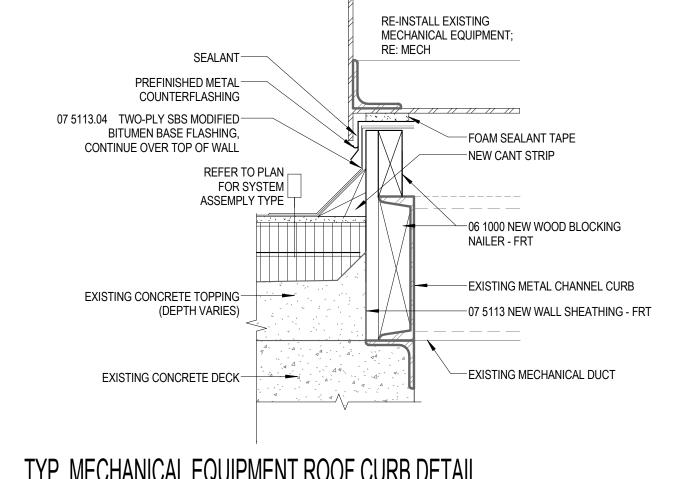
MOA ARCHITECTURE

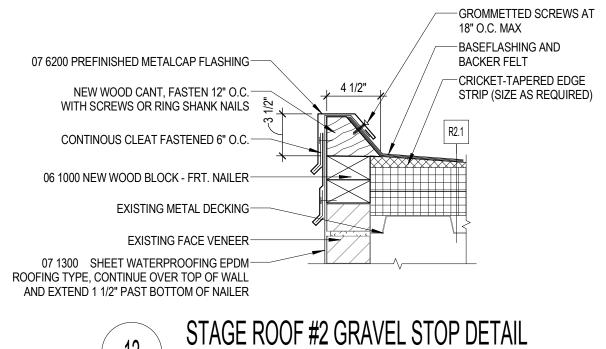
021 1/TH STREET, SUITE 400 DENVER, COLORADO 80202 > 303.008.1100 E 303.008.1107











GENERAL SHEET NOTES 1. ABBREVIATIONS: REFERENCED FROM THE CONSTRUCTION SPECIFICATIONS INSTITUTE'S UNIFORM DRAWING SYSTEM TERMS AND ABBREVIATIONS MODULE. REFER TO SHEET INDEX G-001.

2. EXTERIOR BUILDING DIMENSIONS ARE TO GRID CENTERLINE, EXTERIOR FACE OF SHEATHING / OUTSIDE FACE OF FOUNDATION. 3. INTERIOR BUILDING DIMENSIONS ARE TO GRID CENTERLINE AND FACE OF STUD

4. REFER TO ARCHITECTURAL INTERIOR ELEVATION SHEET SERIES A-200 FOR CASEWORK

AND COUNTERTOP CONFIGURATIONS AND HEIGHTS. 5. REFER TO REFLECTED CEILING PLANS FOR WALL OPENINGS AT OR ABOVE 4'-0" A.F.F. 6. FFE ITEMS OWNER PROVIDED ARE SHOWN DASHED AND LIGHT GRAY.

7. REFER TO ARCHITECTURAL SHEET SERIES A-400 ENLARGED PLANS FOR ADDITIONAL NOTES, REFERENCE SYMBOLS, AND DIMENSIONS. 8. REFER TO ROOM FINISH SCHEDULE ARCHITECTURAL SHEET SERIES 600/700 FOR ALL INTERIOR FINISHES OF WALLS, FLOORS, CEILINGS, CASEWORK AND WINDOW TREATMENTS.

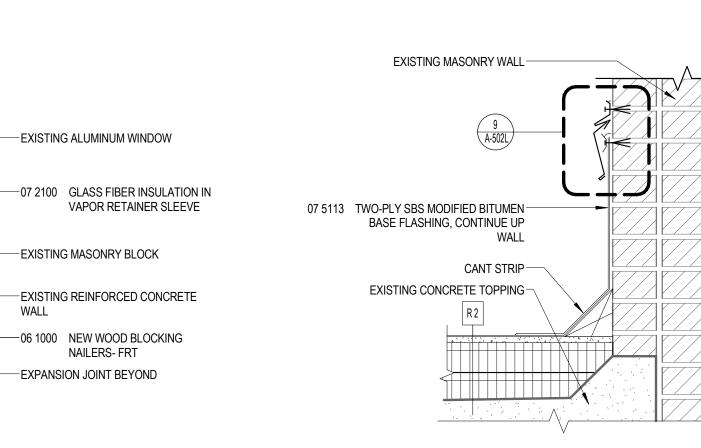
9. PROVIDE WOOD BLOCKING FOR ALL WALL MOUNTED EQUIPMENT, CASEWORK AND ACCESSORIES. NO EXCEPTIONS

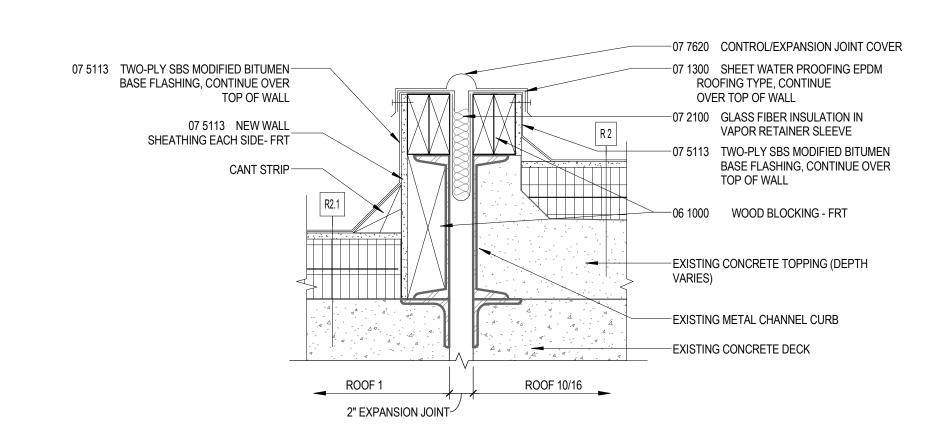
10. PROVIDE [06 6100] 3/4" PLYWOOD - COMMUNICATIONS / ELECTRICAL ROOM MOUNTING

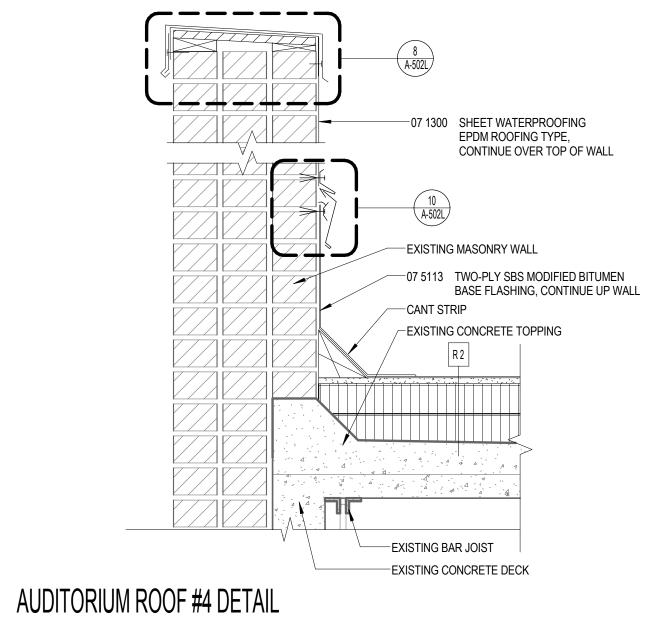
11. AT ALL CORRIDORS, LOBBIES, STAIRS AND COMMONS. ALL EXPOSED PARTITION ENDS, OUTSIDE CORNERS, AND TRIMMED OPENINGS SHALL HAVE CORNER GUARDS (GYPSUM

12 SEAL ALL FLOOR PENENTRATIONS WHERE EXISTING PIPING REMOVED.

TYP. MECHANICAL EQUIPMENT ROOF CURB DETAIL









SEALANT-

**ROOFING TYPE** 

07 7620 NEW PREFINISHED ALUMINUM SILL-

07 7620 NEW CONTROL/EXPANSION JOINT-

07 1300 SHEET WATERPROOFING EPDM-

07 5113 TWO-PLY SBS MODIFIED BITUMEN-

07 5113 NEW DECK SHEATHING--

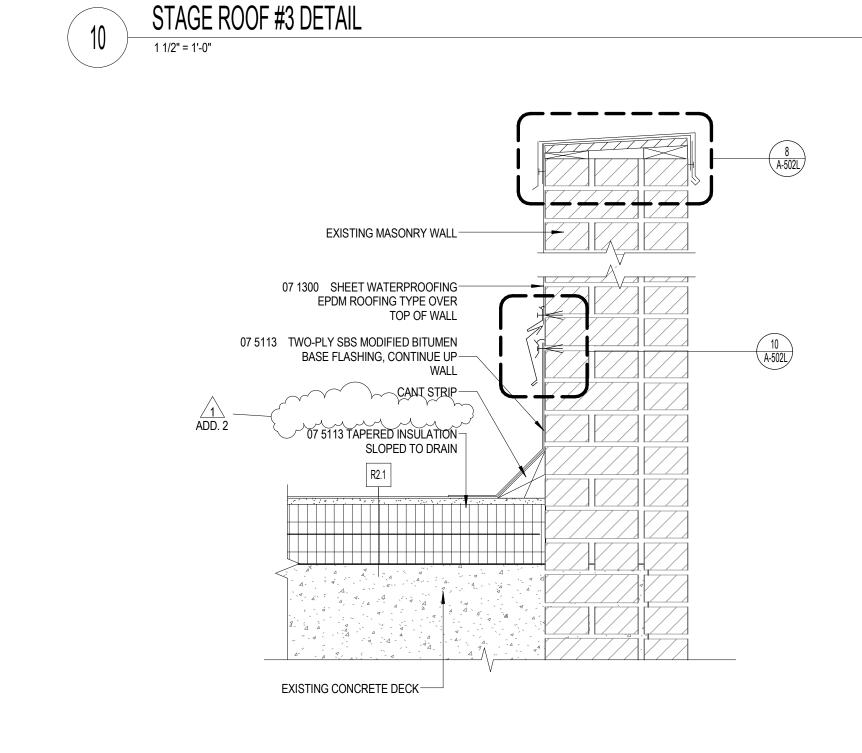
BASE FLASHING, CONTINUE

EXISTING TOPPING CONCRETE—

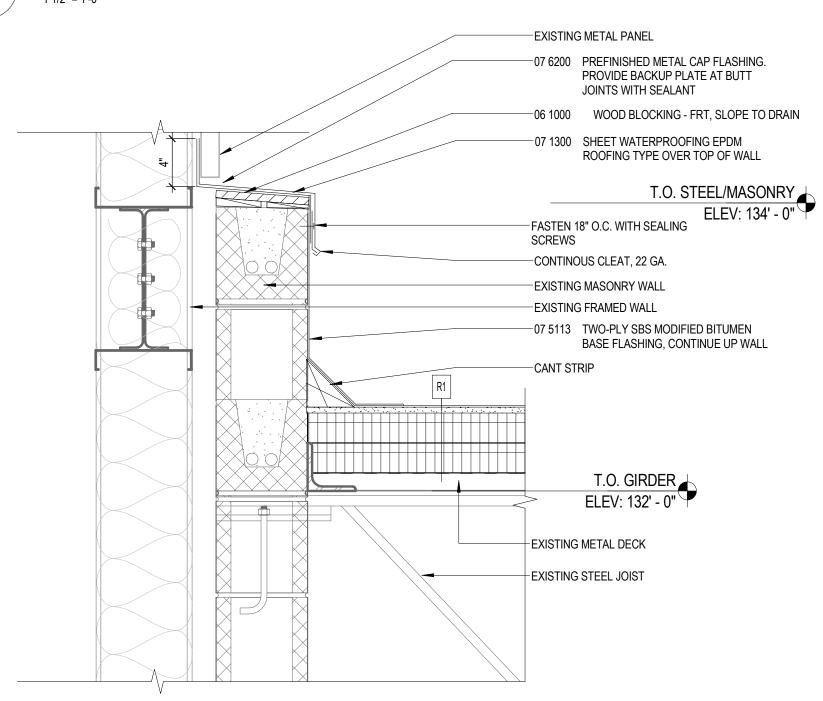
OVER TOP OF WALL

NEW CANT STRIP

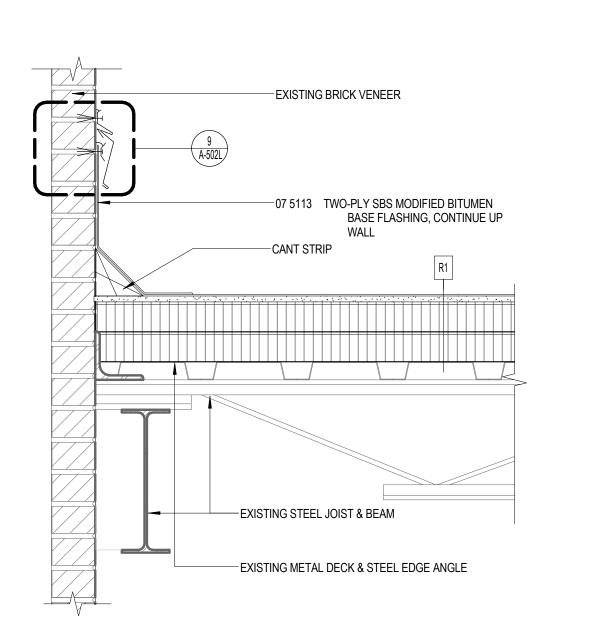
FLASHING, SLOPE TO DRAIN



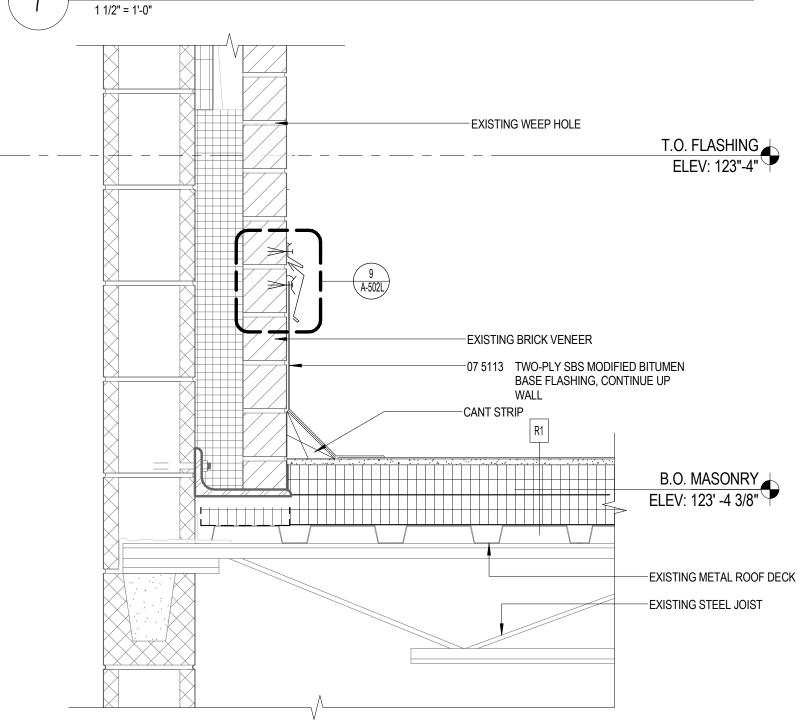












-EXISTING MASONRY WALL

-07 1300 SHEET WATERPROOFING EPDM ROOFING

BASE FLASHING, CONTINUE UP WALL

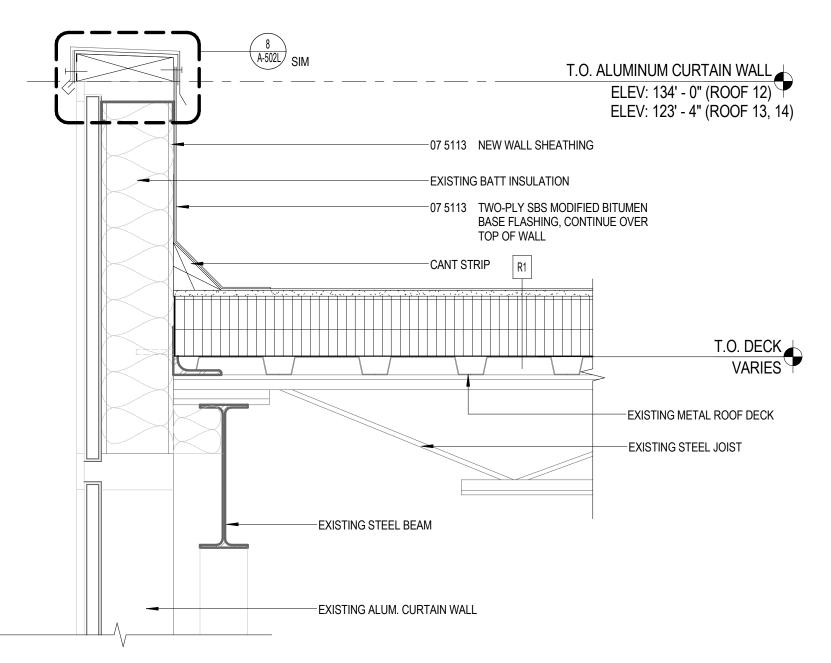
OVER TOP OF WALL

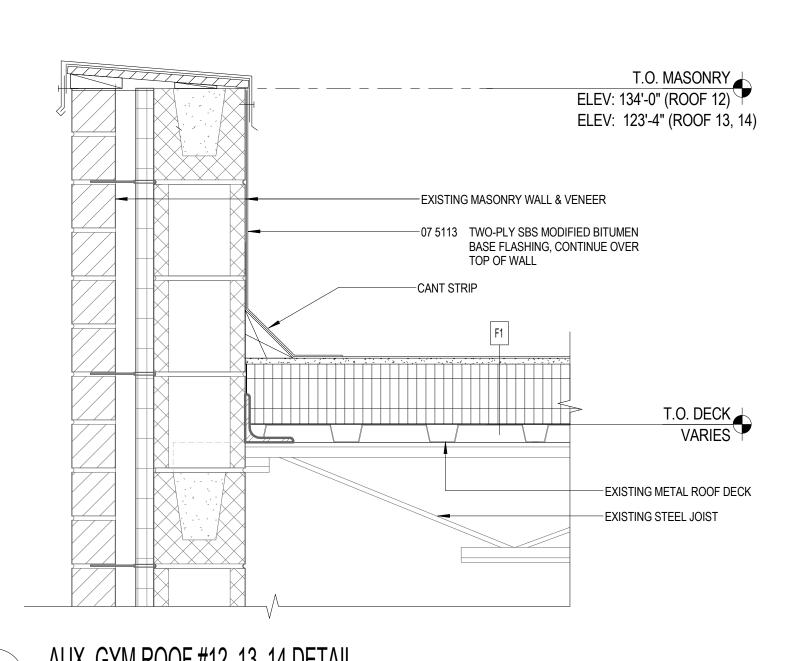
-07 5113 TWO-PLY SBS MODIFIED BITUMEN

—EXISTING CONCRETE DECK

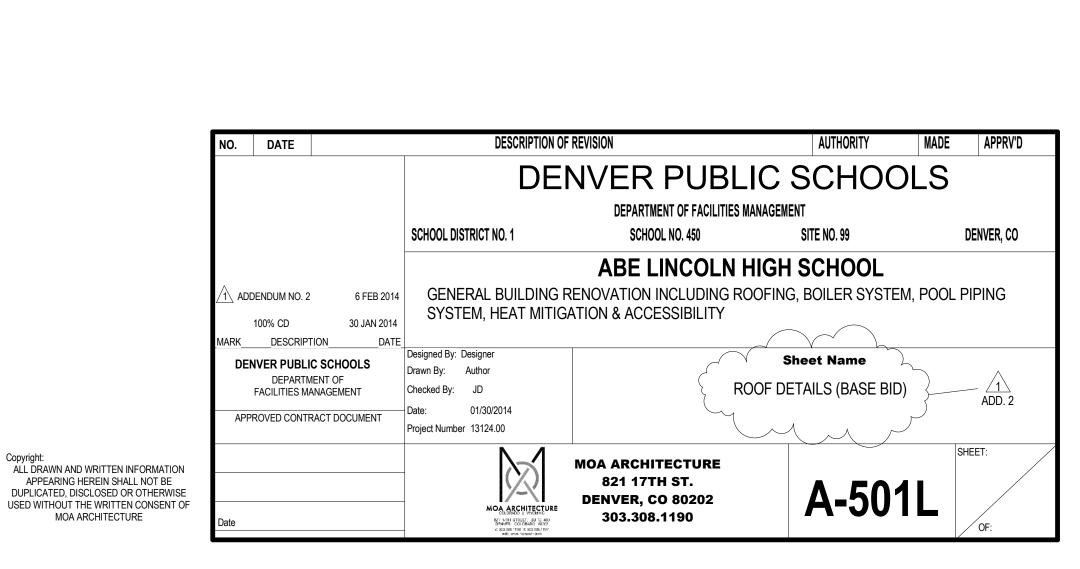
-EXISTING CONCRETE TOPPING







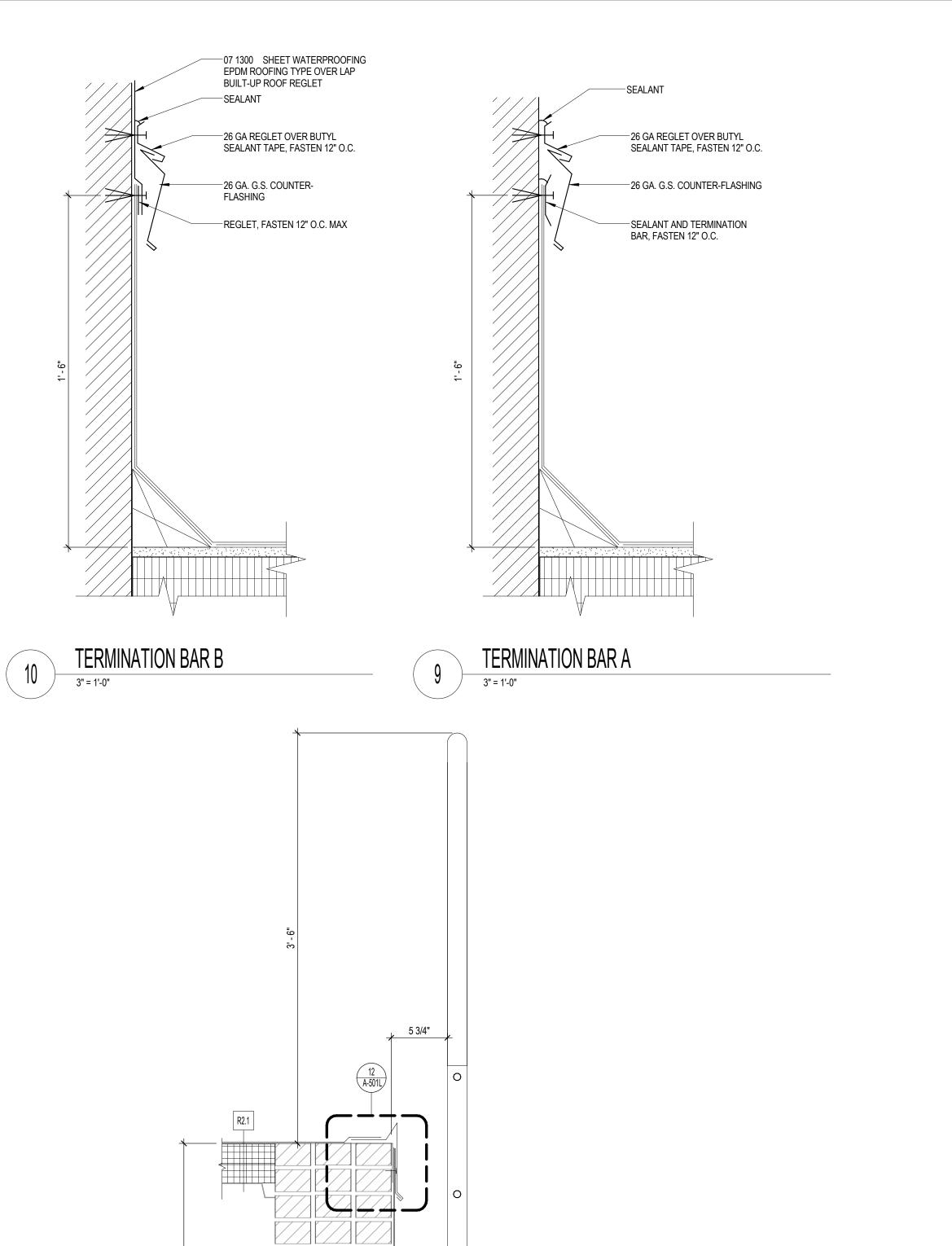


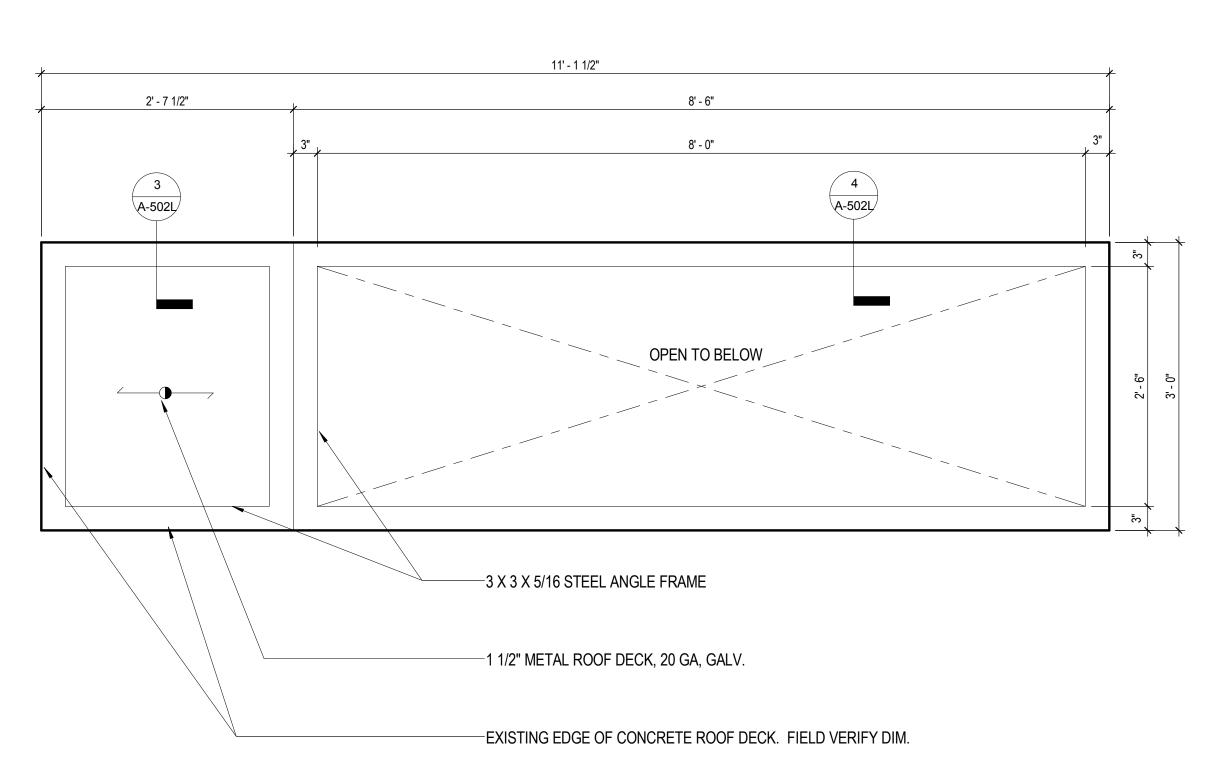


AUX. GYM ROOF #12, 13, 14 DETAIL

AUX. GYM ROOF #12 DETAIL

AUX. GYM ROOF #12, 13, 14 DETAIL





-CONTINUOUS CLEAT 22GA. FASTEN 6" O.C. MAX

PLATES (FULL FACE)

FASTEN 18" O.C. WITH SEALING SCREWS,

-06 1000 WOOD BLOCKING - FRT

-07 1300.03 SHEET WATERPROOFING

O.F. DRAIN SET AT 3"

-WITHIN SUMP PROVIDE: GROUND RIVER ROCK,

WASHED, 3/4" PER ASTM

D448, IMBEDDED IN COLD

PROCESSED CEMENT OVER FIBERGLASS CAP SHEET

BUILT-UP ROOF OVER 1/2"

OF 2" POLYISO

COVER BOARD OVER RIGID INSULATION OVER 2 LAYERS

ABOVE DECK

EPDM ROOFING TYPE, CONTINUE OVER TOP OF WALL

-CONTINOUS J. METAL EDGE

ANCHOR INTO J. METAL

4' - 0"

R.D. SET AT 3" ABOVE DECK

1/2" COVER BOARD OVER 2"

POLYISO, FLUSH WITH DRAIN-

1/2" COVER BOARD OVER 1/2" X 2" X 48" POLYISO. TAPERED BOARD OVER 2" FLAT STOCK

NOTE: FIELD VERIFY DRAIN BOWL HEIGHTS

AND FABRICATE SUMP SIZE AS REQUIRED WITH 1/2"/FT TAPERED BOARD TO MATCH

NEW INSULATION HEIGHT.

(FIELD VERIFY)

BOWL

POLYISO

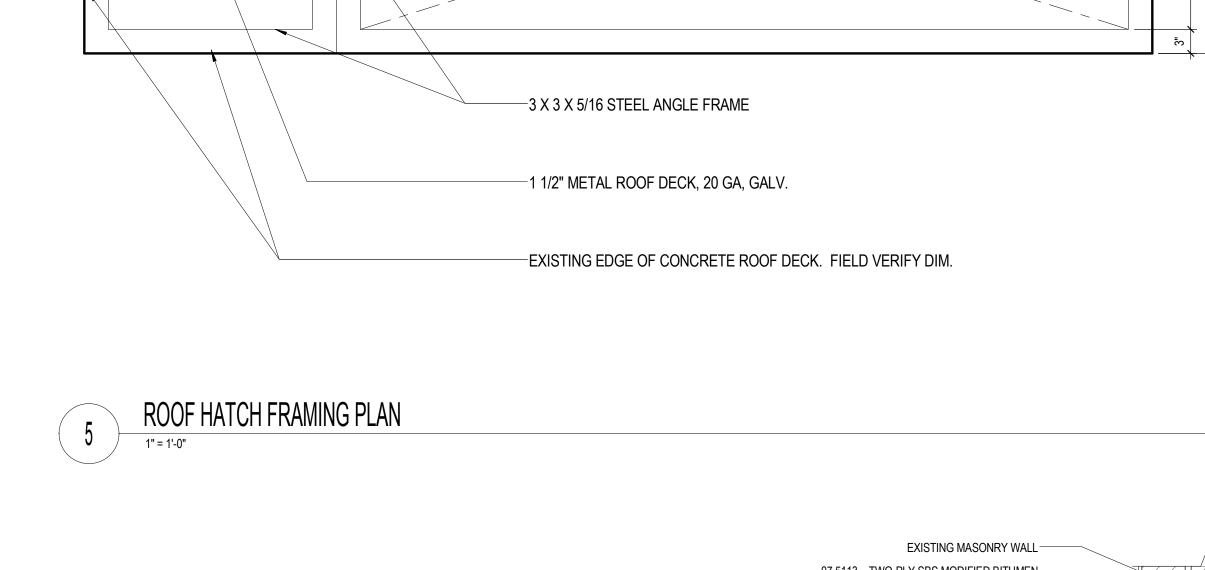
PARAPET WALL

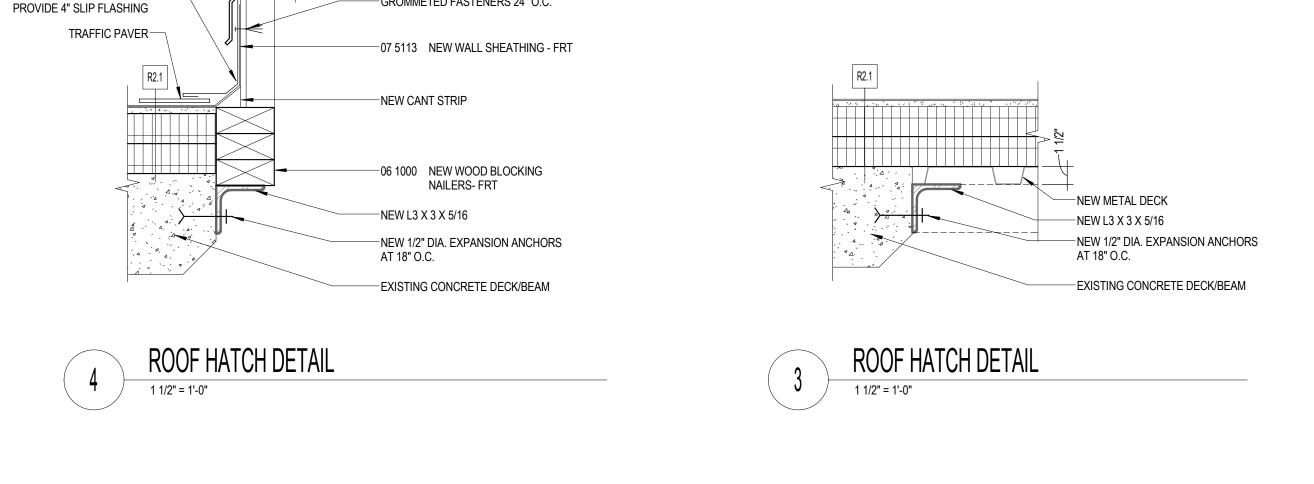
2 1/2" T.O.D. (FIELD VERIFY)

4' - 0"

PREFINISHED METAL COPING CAP

WITH DRIVE CLEAT JOINT COVER





-GROMMETED FASTENERS 24" O.C.

07 7200 NEW ROOF HATCH ASSEMBLY, -

24 GA G.S. COUNTERFLASHING/KICKER-AT ACCESS SIDE. ON OTHER 3 SIDES,

CURB BY MFG.

3"x8"X3/8" STEEL ANGLE WITH 1/2" GALVANIZED EXPANSION ANCHORS WELD TO STRINGERS (PAINT)

- 05 5100 METAL STAIR SYSTEM

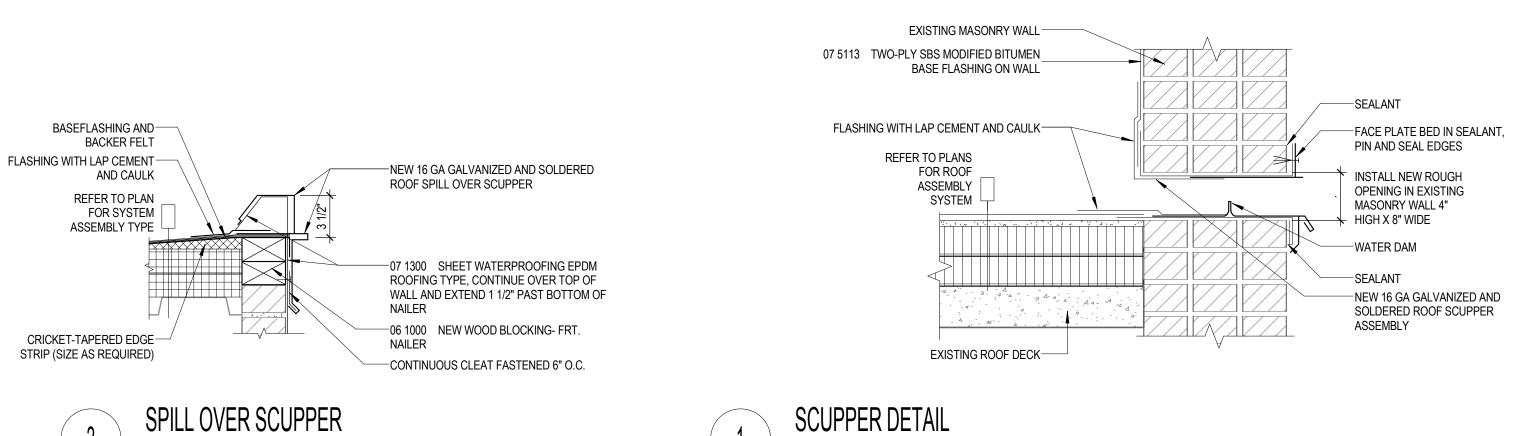
07 5113 NEW WALL SHEATHING - FRT

3/4" DIAMETER STEEL RUNGS @

TRAFFIC PAD/PAVER ADHERED OVER SWEPT GRAVEL SURFACE

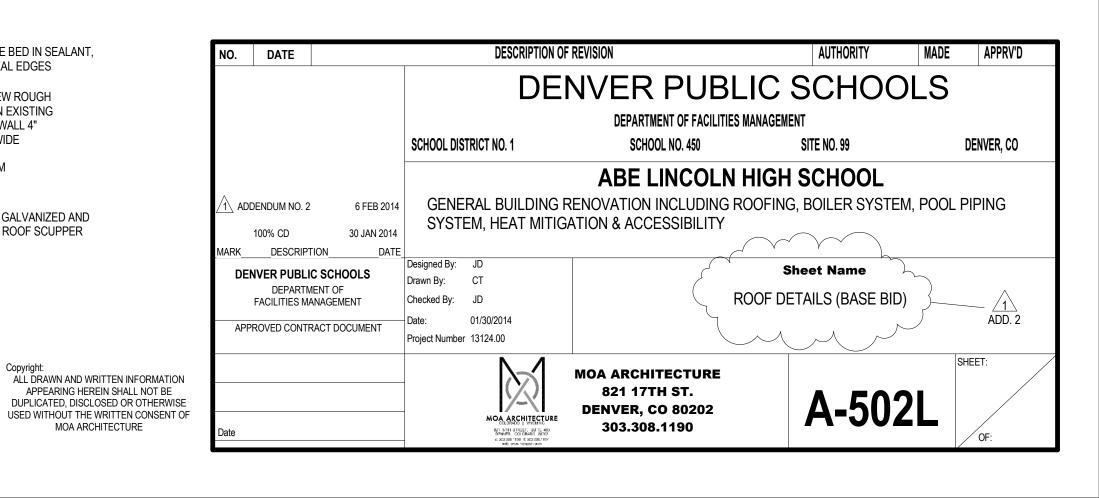
12" O.C. MAX. (PAINT)

EXISTING MASONRY WALL



PLAN NORTH

MOA ARCHITECTURE



GENERAL SHEET NOTES

SHEET SPECIFIC GENERAL INFORMATION AND/OR INSTRUCTION

SHEATHING / OUTSIDE FACE OF FOUNDATION.

AND COUNTERTOP CONFIGURATIONS AND HEIGHTS.

NOTES, REFERENCE SYMBOLS, AND DIMENSIONS.

6. FFE ITEMS OWNER PROVIDED ARE SHOWN DASHED AND LIGHT GRAY.

12 SEAL ALL FLOOR PENENTRATIONS WHERE EXISTING PIPING REMOVED.

TO SHEET INDEX G-001.

TREATMENTS.

BOARD WALLS ONLY.)

ACCESSORIES. NO EXCEPTIONS

1. ABBREVIATIONS: REFERENCED FROM THE CONSTRUCTION SPECIFICATIONS

2. EXTERIOR BUILDING DIMENSIONS ARE TO GRID CENTERLINE, EXTERIOR FACE OF

3. INTERIOR BUILDING DIMENSIONS ARE TO GRID CENTERLINE AND FACE OF STUD

4. REFER TO ARCHITECTURAL INTERIOR ELEVATION SHEET SERIES A-200 FOR CASEWORK

5. REFER TO REFLECTED CEILING PLANS FOR WALL OPENINGS AT OR ABOVE 4'-0" A.F.F.

7. REFER TO ARCHITECTURAL SHEET SERIES A-400 ENLARGED PLANS FOR ADDITIONAL

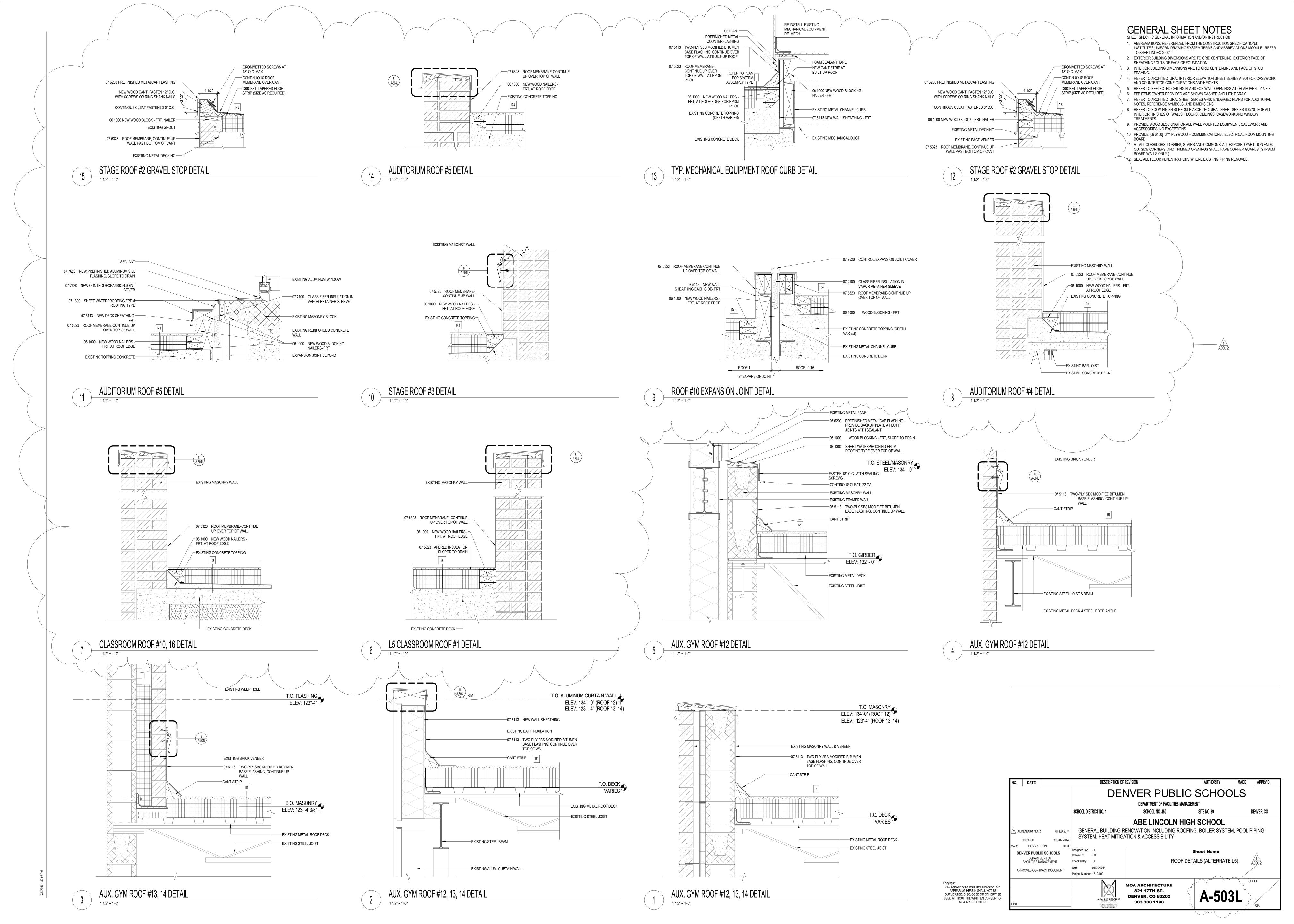
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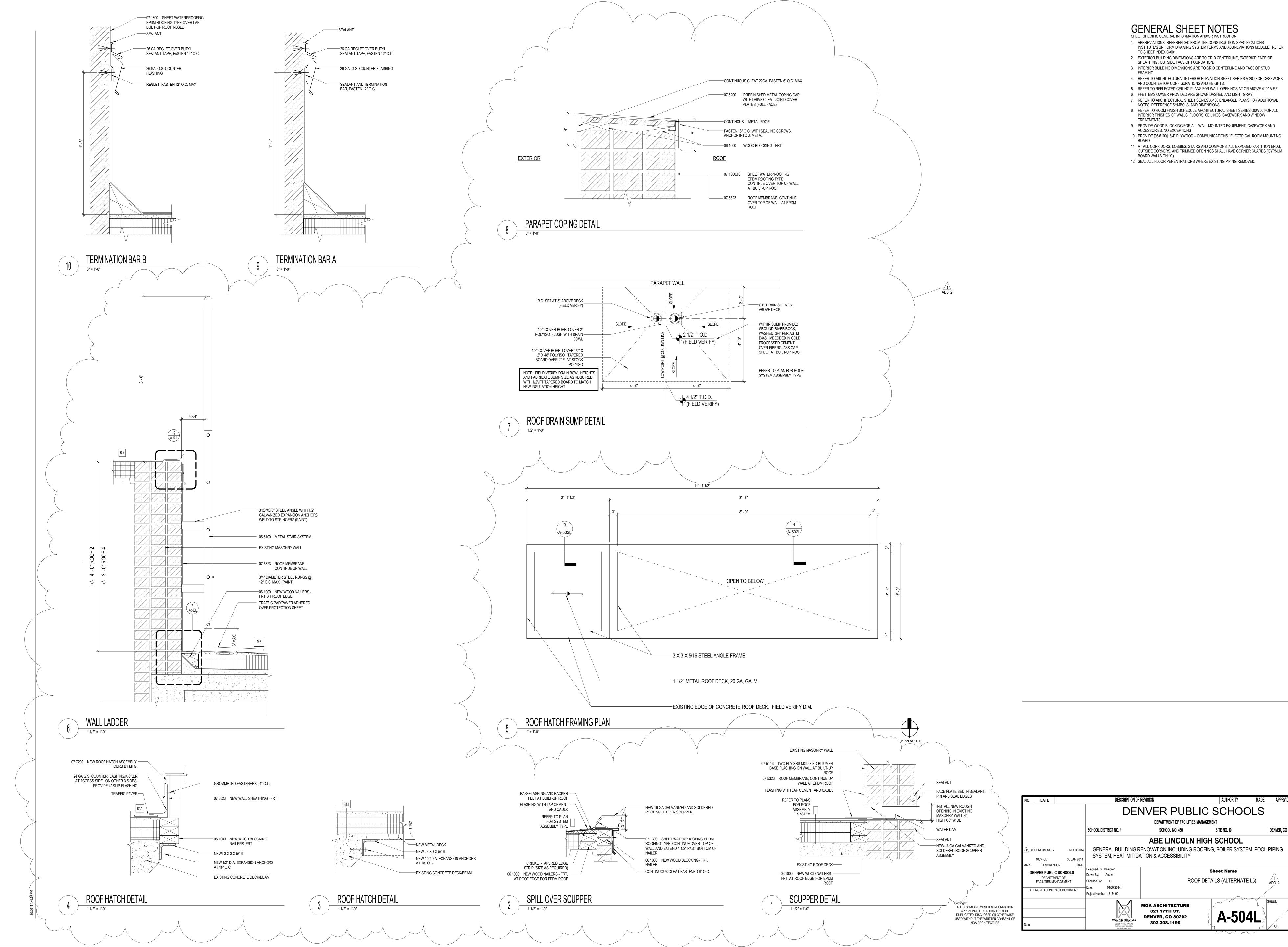
9. PROVIDE WOOD BLOCKING FOR ALL WALL MOUNTED EQUIPMENT, CASEWORK AND

10. PROVIDE [06 6100] 3/4" PLYWOOD - COMMUNICATIONS / ELECTRICAL ROOM MOUNTING

11. AT ALL CORRIDORS, LOBBIES, STAIRS AND COMMONS. ALL EXPOSED PARTITION ENDS, OUTSIDE CORNERS, AND TRIMMED OPENINGS SHALL HAVE CORNER GUARDS (GYPSUM

INSTITUTE'S UNIFORM DRAWING SYSTEM TERMS AND ABBREVIATIONS MODULE. REFER





### **BID FORM**

**BASE BID** 

TO: SCHOOL DISTRICT NO 1 IN THE CITY AND COUNTY OF DENVER AND STATE OF COLORADO

PROJECT: Lincoln / Schmitt General Renovations

LOCATION: Lincoln / Schmitt Denver, CO

#### 14-MC-2202

School	Bid Amount
Lincoln / Schmitt	\$
Alternate L1 – Replace unit ventilators	\$
Alternate L2 – Remove pool items	\$
Alternate L3 – Replace Exit Lighting	\$
Alternate L4 – Replace Pool Filters	\$
•	
Alternate L5 – EPDM Roofing	\$
Alternation Of Boule and State and S	
Alternate S1 – Replace unit ventilators with DDC	\$
Alternate S2 – DDC controls for AHU	\$
Alternate S3 – Replace Exit Lights & Emergenc Lighting	y     \$
Name of Company:	
Contact Person: Title:	Date:

Authorized Representative's Signature: