STATE OF NEW JERSEY
SCHOOLS DEVELOPMENT AUTHORITY

1 WEST STATE STREET
P.O. BOX 991
TRENTON, NJ 08625-0991
609-943-5955

NJSDA Model Schools Program
Materials and Systems Standards Manual

Construction Details Manual

September 19, 2011

Issue Date: September 19, 2011

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NJSDA Model Schools Program Materials and Systems Standards Manual

Construction Details Manual

Introduction & General Requirements

Issue Date: September 19, 2011

A. Introduction

The NJSDA's Model Schools Program's: **"*Materials and Systems Standards Manual*"** and **"*Construction Details Manual*"** have been developed in response to an ongoing internal effort to implement standardized designs for NJSDA projects. The use of standardized design elements has the potential to afford efficiencies in the design and construction of school facilities. Standardized design will facilitate expedited design reviews and code inspections for faster delivery of school projects.

The following is an excerpt from the New Jersey Schools Development Authority's (NJSDA) 2011 Capital Program Report dated March 2, 2011: Section 3: Implementation Approach, which is related to standardized systems & materials:

"In 2011, the NJSDA plans to pursue standardization through three phases". The third phase as stated in the Capital Program Report includes the **"identification of standard systems and materials"**.

The NJSDA has proceeded with the continued development of design and construction guidance to assist the Professional Consultant Community. Based upon the directives above, the NJSDA has proceeded with the development of the *"Materials and Systems Standards Manual" and "Construction Details Manual"* which "*identify standard materials and systems"* to be implemented in conjunction with other procedures and their respective component parts to establish a "Standardized Model or Prototypical School Design Approach".

B. Model Schools Program: Materials and Systems Standards & Construction Details Manuals

The NJSDA's *"Materials and Systems Standards Manual and Construction Details Manual"* have been prepared for and shall apply to Public School Facilities Projects in the State of New Jersey that are managed by the New Jersey Schools Development Authority (NJSDA) as defined by the "Educational Facilities Construction and Financing Act" (EFCFA).

With the NJSDA's *"Materials and Systems Standards Manual and Construction Details Manual"*, it is NJSDA's full intent to establish a uniform approach to School Facilities Project design such that we accomplish the following key goals:

- Attain parity amongst all New Jersey Abbott School Districts by the implementation of Model School or prototypical designs thru the use of standardized materials and systems.
- Establish an approach that requires the repeated use of defined materials and systems standards as a cost effective and common sense means of constructing all 21st Century Schools for New Jersey.
- Establish a means for NJSDA managed School Facilities Projects to be built in an educationally appropriate, community focused, cost effective, sustainable, energy efficient, safe, secure, clean, and environmentally friendly manner.

The NJSDA's *"Materials and Systems Standards Manual"* contains ***"Design Requirements"*** sections which define the materials and systems to be implemented; the *"Construction Details Manual"* contains related select key reference standardized construction details. The development and implementation of these requirements is one key step in establishing a new design and procedural norm for Pre-K through 12 school facilities while simultaneously establishing the NJSDA as one of the nation's key resources for knowledge relative to lessons learned in constructing School Facilities Projects for both urban and suburban areas.

B. Model Schools Program: Materials and Systems Standards & Construction Details Manuals (Continued)

The NJSDA's *"Materials and Systems Standards Manual and Construction Details Manual"* are living documents that will be updated and issued in phases as NJSDA project teams learn more efficient and effective ways to design and construct School Facilities Projects for New Jersey in the face of the specific environmental and site challenges that exist within the NJSDA Program. The development and issuance of "NJSDA's *"Materials and Systems Standards Manual and Construction Details Manual"* are centered around NJSDA's commitment to build on the Best Practices and lessons learned from our program, as well as the experiences of others throughout the nation, who have implemented the design of pre-K through 12 schools. Thus the related goals are to achieve cutting edge School Facilities Project design and to implement proven standards that have met the test of time.

NJSDA has integrated the goals and criteria above and has developed the *"Materials and Systems Standards Manual and Construction Details Manual"* to encourage design creativity. The manuals simultaneously provide guidance for uniformity in the overall approach to materials and systems selection during the design phases of a project. By implementing the elements included within the *"Materials and Systems Standards Manual and Construction Details Manual"*, the Project Team will be taking a significant step forward in creating the physical conditions in which the learning process can thrive. This, in essence, is a key component of what defines a 21st Century School for New Jersey.

C. Organization of this document: Refer also to the Table of Contents and Sections herein

1. The "*Design Requirements"* sections which follow in the *"Materials and Systems Standards Manual"* utilize The Construction Specifications Institute's (CSI) "UniFormat: A Uniform Classification of Construction Systems and Assemblies, Levels 1-4" for their organization. Uniformat is a nationally recognized organizational format for construction materials and products grouped by assemblies, systems and component parts.

2. The *"Construction Details Manual"* contains select key *"Standardized Construction Details"* for the Materials and Systems recommended in the other manual. The construction details are also referenced with the same respective UniFormat section designations as the Design Requirements. These construction details are for reference only and are to be reviewed by the Design Consultant and its Sub-Consultants for applicability prior to inclusion in the construction documents for any respective project.

D. Content

1. The focus of the "NJSDA "*Materials and Systems Standards Manual*" is to require the Design Consultant and its Sub-Consultants to choose materials and systems defined therein. These standards have been developed around the requirements of NJSDA and New Jersey school districts by selecting high quality, durable products, and materials and systems which are easy to maintain, and reflect the budgetary constraints of a relatively low initial cost. The NJSDA's *"Construction Details Manual",* is a newly developed technical reference for the Design Consultant and its Sub-Consultants.

2. The materials and systems to be used in the design and construction of School Facilities Projects shall typically be limited to those materials and systems which are defined in these sections of the NJSDA*'s "Material and System Standards Manual"* and associated *"Design Requirements"* sections.

3. All Design Consultants and their Sub-Consultants shall adhere to these NJSDA Model Schools: *"Materials and Systems Standards Manual"* and utilize the associated *"Construction Details Manual"* as a reference source, as applicable, in the design of contractually assigned specific School Facilities Projects. The standards herein apply to all Sub-Consultants, employees, and others retained by the

D. Content (Continued)

Design Consultant; The Design Consultant shall be responsible for all actions of its Sub-Consultants and other team members in accordance with these standards.

4. ALL MATERIALS AND SYSTEMS INDICATED AS "SUBJECT TO APPROVAL BY THE NJSDA" MUST BE APPROVED BY THE NJSDA PRIOR TO THE FINAL ACCEPTANCE OF THE DESIGN DEVELOPMENT PHASE.

5. This document does not contain a complete or comprehensive reference to any ASTM, UL, or other standard testing method, nor does it contain a complete listing of ASTM and other quality assurance reference standards for any of the Materials or Systems Standards defined herein.

6. In the event that the Design Consultant or District requests substitution of a material or system other than those defined within the NJSDA Model Schools "*Materials and Systems Standards Manual,"* and associated technical "Construction Details Manual", it is the Design Consultant and / or the District's responsibility to demonstrate to the NJSDA, utilizing the Variance Request Process defined below, that their suggested substitution is justifiable. The use of any materials and / or systems not identified in this document is subject to approval by the NJSDA.

E. Disclaimer

1. The drawings, details, tables, data, and other information in this product have been obtained from many sources, including government organizations, trade associations, suppliers of building materials, and professional Design Consultants or architectural firms and professional organizations. The NJSDA has made every reasonable effort to make this reference work accurate and authoritative, but does not warrant, and assumes no liability for, the accuracy or completeness of the content or its fitness for any particular purpose. It is the responsibility of the Design Consultant and its Sub-Consultants to apply their professional knowledge in the use of information contained in this product, to consult the original sources for additional information when appropriate.

F. General Requirements

1. As a general rule, Design Consultants and its Sub-Consultants shall conform to NJSDA's Design Requirements and the content herein.

2. The Design Consultant and its Sub-Consultants shall comply with all existing presiding codes adopted by the State of New Jersey Department of Community Affairs Division of Codes and Standards (http://www.nj.gov/dca/divisions/codes/index.html) and all other Federal, State, County, Municipal, and Local codes, ordinances, laws, requirements, etc. having jurisdiction over this project. Renovations and restorations shall meet the requirements of the NJUCC and its Rehabilitation Sub-code and relevant amendments. In addition, the Design Consultant and its Sub-Consultants shall comply with all existing presiding requirements of the Department of Education, The Office of School Facilities; (http://www.state.nj.us/education/facilities/) and related New Jersey Administrative Code (N.J. A.C.) Title 6A:26.

3. The Design Consultant and its Sub-Consultants shall only include in the Construction Documents products that meet 'Made in America' criteria as defined by the Federal Trade Commission.

G. The Variance Request Process

1. In limited, defensible, special situations as defined below, if either the District or the Design Consultant proposes a design that varies from NJSDA's "*Design Requirements"* in the *"Materials and Systems Standards Manual"* and the *"Construction Details Manual"* and the content herein, approval must be obtained from the NJSDA by the Variance Request Process and shall meet the requirements listed below. The Design Consultant shall submit the required Variance Request Form (Refer to "Appendix B") and all support data and information as soon as possible but no later than end of the Design Development phase. The Design Consultant shall not incorporate the material, system, or technology in their construction documents until NJSDA approval has been granted.

2. The NJSDA will consider a proposal for a Variance Request under any or all of the following circumstances:

    a. The proposed product, material, or system provides equal or better performance of all comparable characteristics at a savings, equal cost, or at a minimal incremental greater cost.

    b. The proposed product is a new material, system or technology that has better performance characteristics.

    c. The proposed product is a new material, system or technology is a standard product used by the district consistently in their schools and meets the requirements of a. above.

Note: The Variance Request Process does not apply to proprietary product requests which are addressed below in Section: I.

3. In order for the NJSDA to review a proposal for a Variance Request the following information must be provided by the District or the Design Consultant

    a. A completed Variance Request Form found in Appendix "B".

    b. A report or comparison with all justification, product performance data, literature, and analysis demonstrating how and why the proposed material or system alternative provides improved performance

    c. If the proposed product is a new material, system or technology that has better performance characteristics, provide information about how long it has been available for application, where it has been used (preferably in other schools), and any resulting performance testing of the product in situ.

    d. The total cost impact of this material, system, or technology as it applies to the specific school facilities project. A detailed construction cost estimate reflecting the level of development of the design solution should be presented in UniFormat 2011 or MasterFormat 2011 to facilitate comparison between the baseline alternative and various options selected.

4. The NJSDA shall, in its sole discretion, approve or reject the Variance Request in writing within 30 days. The Design Consultant shall not incorporate the material, system, or technology in their construction documents until NJSDA approval has been granted.

5. Completion and submission of a Variance Request Form and inclusion of a substituted material or system into the Contract Documents is the Design Consultant's sole responsibility and shall be

G. The Variance Request Process (Continued)

accomplished at no cost to the NJSDA for professional services associated with the Variance Request Process.

H. Sustainable/Green Design Criteria

1. The Design Consultant and its Sub-Consultants shall comply with the NJSDA's Sustainable/Green/USGBC LEED Design requirements and goals. Revised NJSDA Sustainable Design Guidance is currently under development. For new Design Consultant procurements refer to the respective contract for professional scope of services for Sustainable/Green/LEED Design Criteria and associated requirements. For earlier Design Consultant procurements refer to the associated contract and NJSDA guidance to Design Consultants for these requirements.

2. The focus of the content herein does not currently define specific materials' and systems' requirements or features with regard to sustainability and green design. However, the materials and systems defined herein may inherently have such features by the nature of their specified typical composition, components, use, assembly, application, or the requirements described herein.

I. Requirements for Specifications and Proprietary Specifications

1. The Design Consultant and its Sub-Consultants shall use the current version of MasterFormat (currently 2011) in the development of their School Facilities Projects' technical specifications.

2. The use of proprietary specifications is prohibited; therefore, whenever a "brand name" item is specified, the specification must list, by name, at least three (3) comparable manufacturers followed by the words "or approved equal". If these comparable "equal" manufacturers are not available, NJSDA must have previously approved the specifications prior to issuance for bids.

3. To ensure that the word "equal" cannot be misinterpreted in the course of bidding, the Design Consultant and their Sub-Consultants must thoroughly describe in the technical specifications all essential performance and/or physical features which must be incorporated into the specified item or system to meet its minimum functional needs and space limitations. Minor features of the preferred products that do not have an impact upon the product performance for this use shall not be specified as required criteria for bidding. Accessories and/or minor component associated with systems and/or assemblies, as defined by the current version of MasterFormat's designated specifications sections, may be identified as a single manufacturer followed by the words "or approved equal". The listed manufacturer of a minor product must not void any warranty offered by a company for a comprehensive system, not decrease performance or quality, and shall be compatible with the system or assembly which it may be part of.

4. Variances from this requirement may be granted, including restricting bids to certain select manufacturers, subject to the following stipulations:

a. No known readily available products, other than the specified, are capable of providing the salient physical, functional, and/or other characteristics, including cost, essential to the minimal needs of the Client School District.

b. Where existing systems are being extended (fire alarm, etc.) and single-system integrity can only be preserved or compatibility assured by resorting to the designated products. This applies to new construction, additions to existing buildings and when major renovations to an existing building are planned, if the School District has a 'District-Wide' system where the single system

I. Requirements for Specifications and Proprietary Specifications (Continued)

integrity would be lost by adding an incompatible generic system. Focus for an exception to the requirement of a non-proprietary system should be prioritized by importance. Importance factors (from highest): Fire/Life Safety systems, Occupant Safety and Security, followed by long-term ease of building Operations and Maintenance.

c. The Design Consultant and its Sub-Consultants as well as the School District must request in writing to the NJSDA, a request for variance from the proprietary specification requirements at least thirty (30) days before inclusion in the Construction Documents. This request shall include a draft version of the proposed specification sections, any associated product cuts, data sheets, diagrams, pictures, or additional technical information necessary to completely describe the material or system for which the variance is requested and the relevant justification for this action.

d. Within ten (10) days of receipt, the request will be reviewed, and if approved, the NJSDA Project Manager will grant authorization in writing to proceed. Upon receipt of authorization, the Design Consultant shall include in the Construction Documents the name of the desired manufacturer to be used by the contractor in its base bid.

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NJSDA Model Schools Program Materials and Systems Standards Manual

Construction Details Manual

Section B: Shell

Issue Date: September 19, 2011

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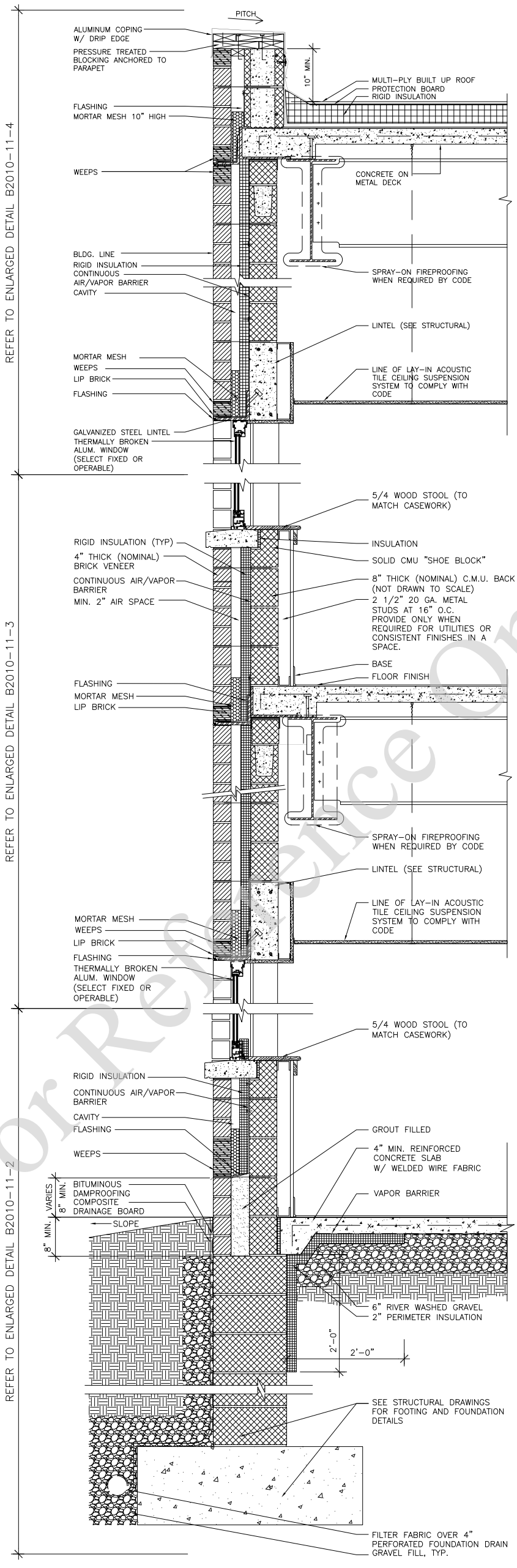
NJSDA Model Schools Program Materials and Systems Standards Manual

Construction Details Manual

Section B20: Vertical Exterior Enclosure

Issue Date: September 19, 2011



A SECTION: BRICK/CMU CAVITY WALL

0 6" 1' 2' 4'

SCALE: 1/2" = 1'-0"

1. USE THIS DETAIL FOR TYPICAL EXTERIOR WALLS REQUIRING PARAPETS.

2. COORDINATE WITH STRUCTURAL DRAWINGS, ARCHITECTURAL PLANS AND BUILDING ELEVATIONS.

3. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

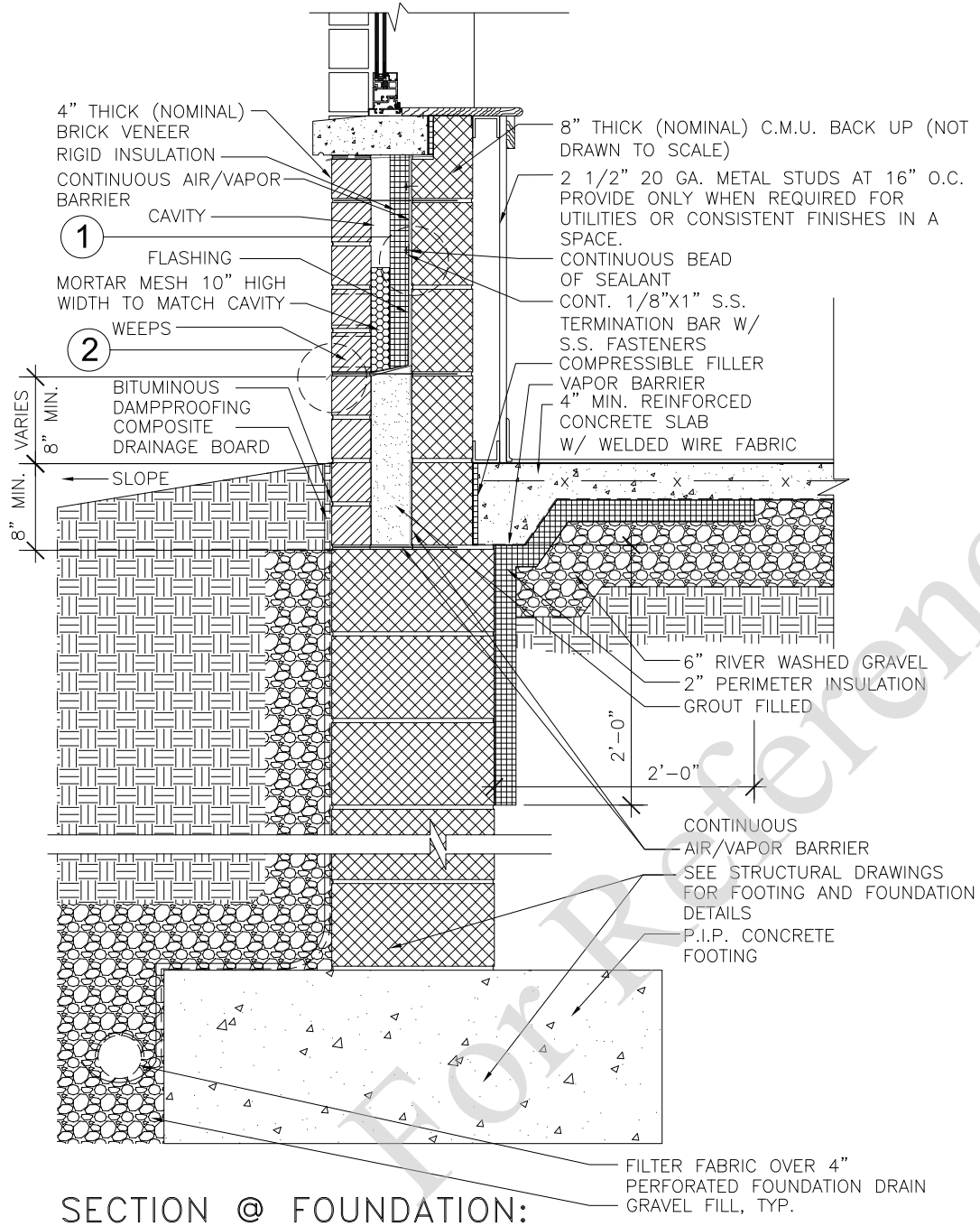
4. DESIGN OF COPING STONE HEIGHT AND CONFIGURATION MAY VARY FOR AESTHETIC CONDITIONS.

5. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED WHEN REQUIRED W/ STEEL RE-BARS FOR SEISMIC AND OTHER FORCES PER PRESIDING CODES. DESIGNER IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS	Drawn by: AR	Revision: -	NOT FOR CONSTRUCTION REFER TO DISCLAIMER	B2010-11-01
Date: 19 SEPTEMBER 2011	SECTION: BRICK EXTERIOR CAVITY WALL W/ CMU BACKUP			
Scale: AS NOTED				



SECTION @ FOUNDATION:

A BRICK/CMU CAVITY WALL

0 6" 1' 2' 4'

SCALE: 3/4" = 1'-0"

1. USE THESE DETAILS AS A GUIDE FOR TYPICAL EXTERIOR WALL CONSTRUCTION. MODIFY TO SUIT PROJECT CONDITIONS.

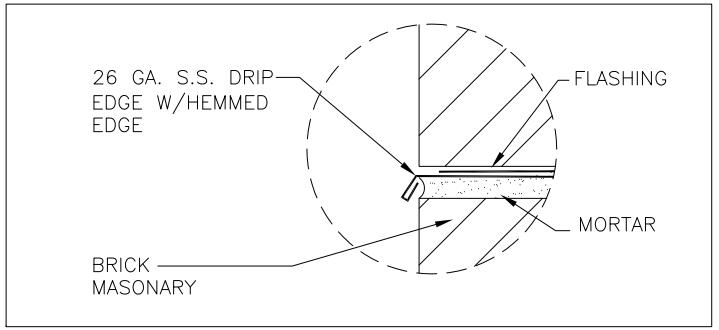
2. REFER TO NJSDA DESIGN REQUIREMENT SB 2011 EXTERIOR MASONRY WALL FOR EXTERIOR WALL CONSTRUCTION.

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCH'L FLOOR PLANS.

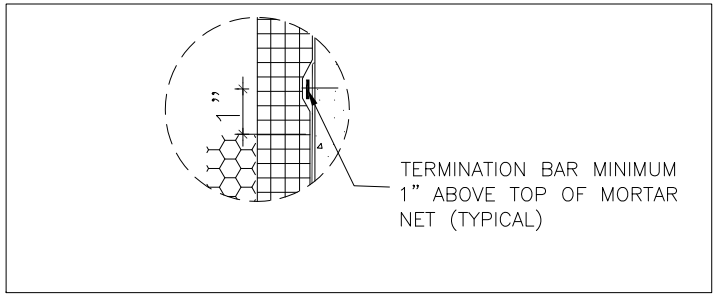
4. REFER TO THE NJSDA DESIGN REQUIREMENTS FOR DAMPPROOFING/ WATERPROOFING REQUIREMENTS.

5. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY.

6. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED WHEN REQUIRED W/ STEEL RE-BARS FOR SEISMIC FORCES PER PRESIDING CODE. DESIGNER IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.



2 FLASHING DETAIL
N.T.S.



1 TERMINATION BAR DETAIL
N.T.S.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: AMR

Revision: -

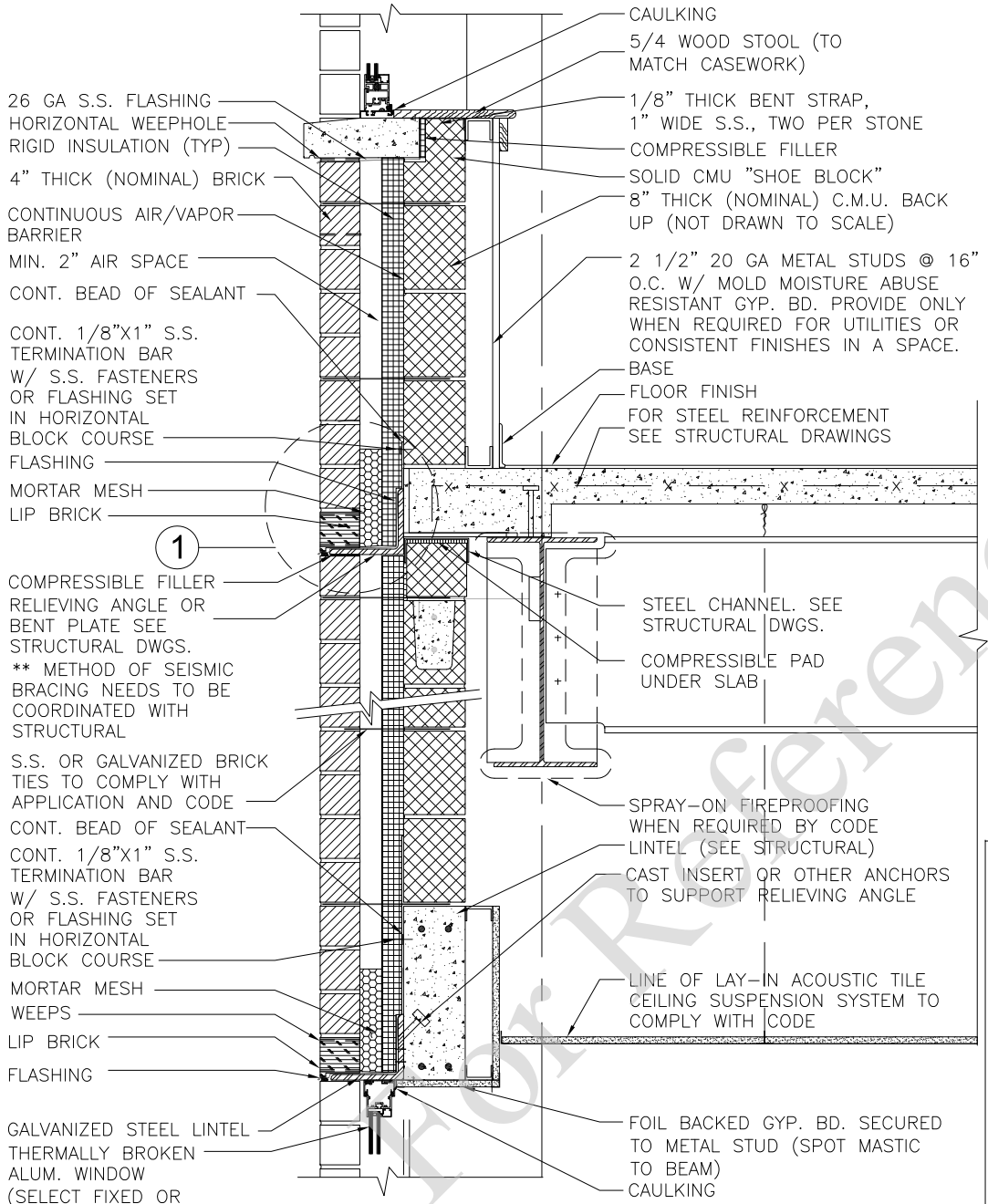
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

SECTION @ FOUNDATION: BRICK EXTERIOR CAVITY WALL W/ CMU BACKUP

B2010-11-02

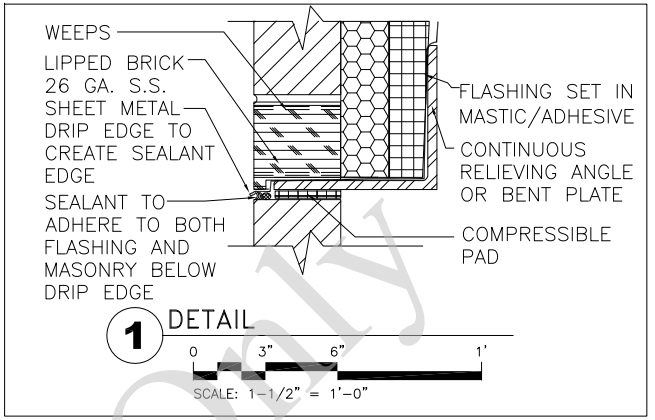


SECTION @ SPANDREL:

A FOR MASONRY OPENINGS/BRICK/CMU CAVITY WALL

0 6" 1' 2' 4'

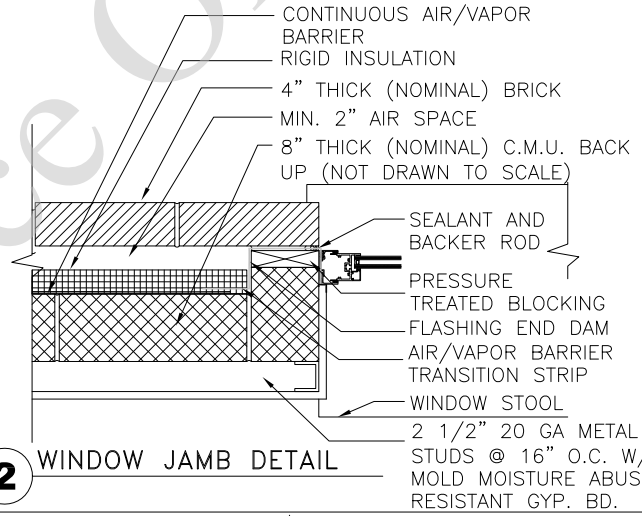
SCALE: 3/4" = 1'-0"



1 DETAIL

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"



2 WINDOW JAMB DETAIL

1. THE DESIGN CONSULTANT/ARCHITECT AND THEIR CONSULTANTS SHALL SIZE AND SELECT ALL MATERIALS AND SYSTEMS TO COMPLY WITH PRESIDING CODES.

2. USE THIS DETAIL FOR TYPICAL EXTERIOR WALL CONSTRUCTION, WHEN MASONRY OPENINGS ARE A MAXIMUM 8'-0" WIDE.

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCHITECTURAL FLOOR PLANS.

4. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

5. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED AS REQUIRED W/ STEEL RE-BARS FOR SEISMIC AND OTHER FORCES PER N.J. BLDG. CODES. DESIGNER IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: AMR

Revision: -

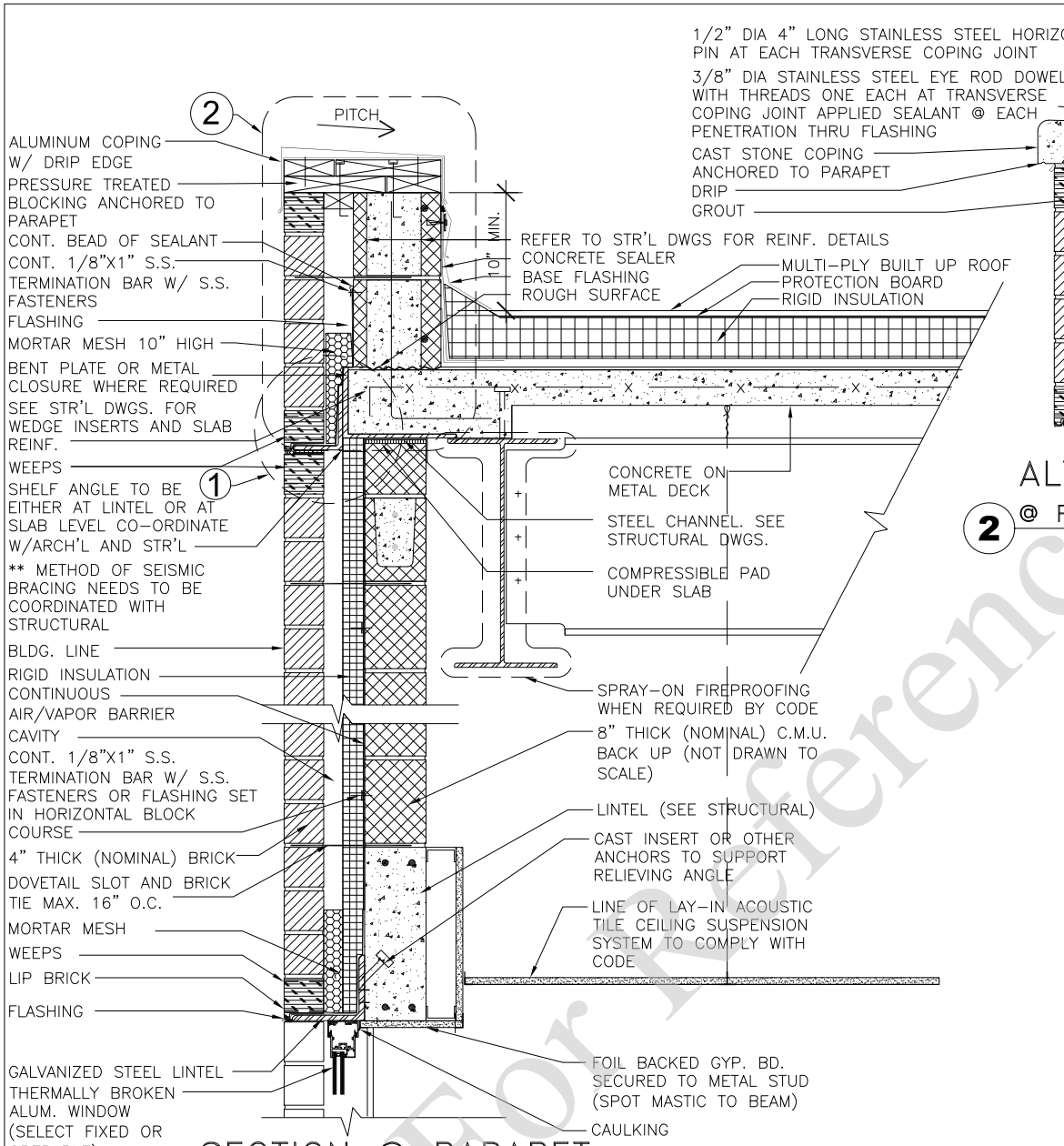
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

SECT. @ SPANDREL: BRICK/CMU MASONRY OPENINGS 8'-0" OR LESS

B2010-11-03



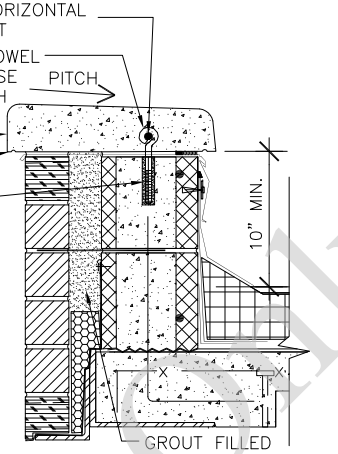
SECTION @ PARAPET:

A BRICK/CMU CAVITY WALL

0 6" 1' 2' 4'

SCALE: 3/4" = 1'-0"

NOTE: SEE STRUCTURAL DRAWINGS FOR LOCATION AND DETAIL OF SECURITY LIGHTING INSERTS



ALT. OPTION 2 @ PARAPET

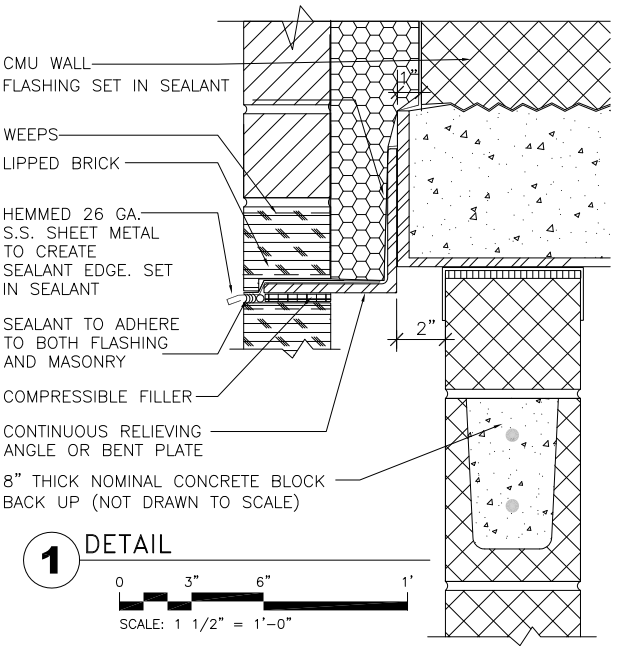
1. USE THIS DETAIL FOR TYPICAL EXTERIOR WALLS REQUIRING PARAPETS.

2. COORDINATE WITH STRUCTURAL DRAWINGS, ARCHITECTURAL PLANS AND BUILDING ELEVATIONS.

3. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

4. DESIGN OF COPING STONE HEIGHT AND CONFIGURATION MAY VARY FOR AESTHETIC CONDITIONS.

5. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED WHEN REQUIRED W/ STEEL RE-BARS FOR SEISMIC AND OTHER FORCES PER PRESIDING CODES. DESIGNER IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.



1 DETAIL

0 3" 6" 1'

SCALE: 1 1/2" = 1'-0"

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: AMR

Revision: -

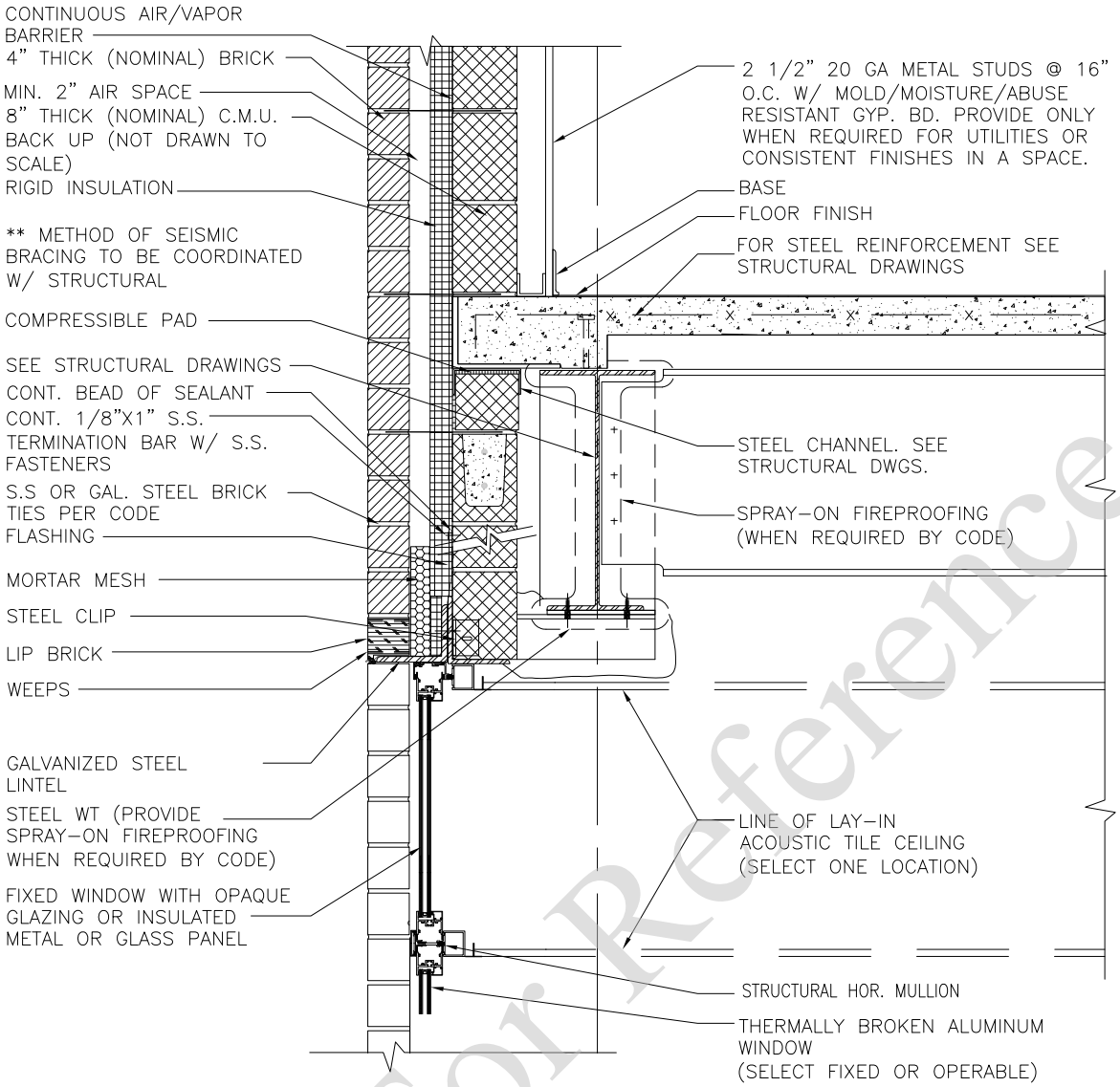
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

SECTION @ PARAPET: BRICK/CMU CAVITY WALL

B2010-11-04



SECTION @ SPANDREL:

A BRICK/CMU CAVITY WALL W/ CMU BACK UP & HIGH WINDOWS

0 6" 1' 2' 4'

SCALE: 3/4" = 1'-0"

1. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCHITECTURAL FLOOR PLANS.

2. THE DESIGN CONSULTANT/ARCHITECT SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

3. THE DESIGN CONSULTANT/ARCHITECT AND THEIR CONSULTANTS SHALL SIZE AND SELECT ALL MATERIALS AND SYSTEMS TO COMPLY WITH PRESIDING CODES.

4. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED WHEN REQUIRED W/ STEEL RE-BARS FOR SEISMIC AND OTHER FORCES PER ADOPTED N.J. BLDG. CODES. THE DESIGN CONSULTANT/ARCHITCT IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.

5. REFER TO NJSDA STANDARD DETAIL B2011-11-3 FOR DETAIL AT WINDOW JAMB.

5. LINTEL ASSEMBLY SUPPORT SHALL BE DESIGNED AND CLEARLY INDICATED ON THE STRUCTURAL/ARCHITECTURAL DRAWINGS.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: LL

Revision: -

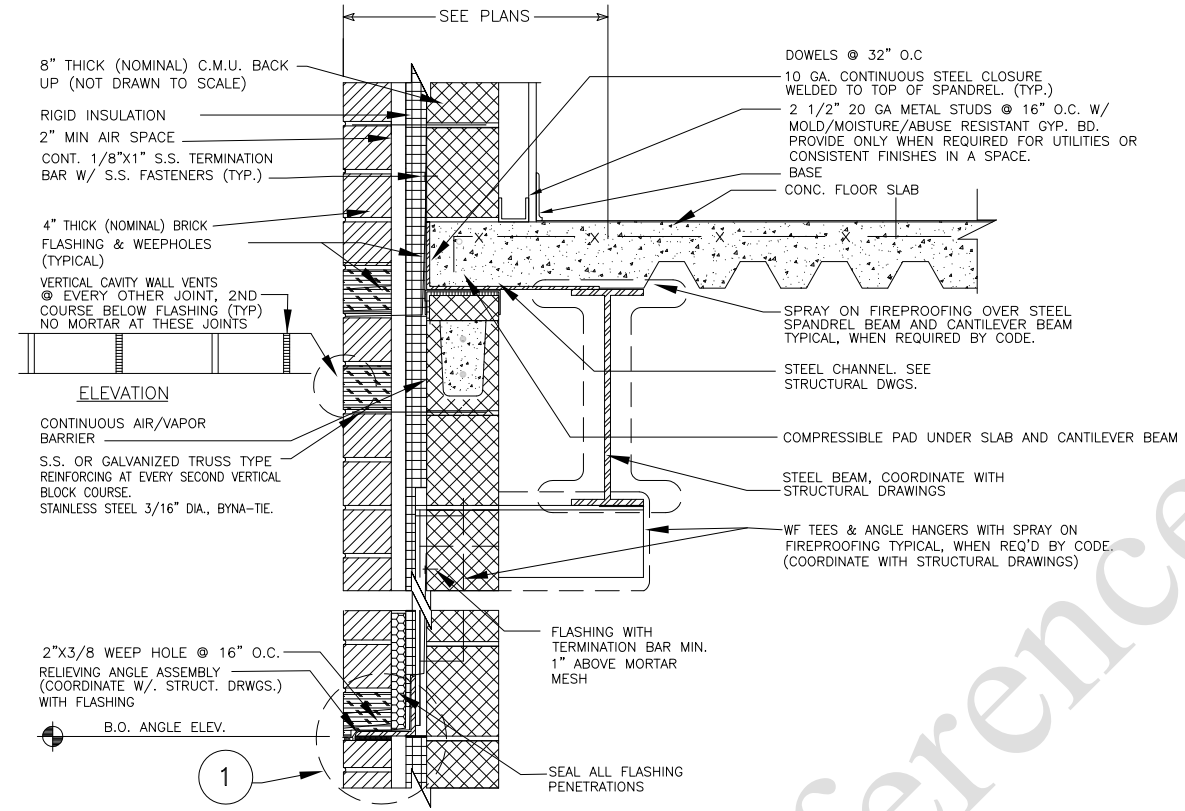
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

SECTION @ SPANDREL: BRICK/CMU CAVITY WALL HIGH WINDOWS

B2010-11-05



SECTION @ SPANDREL:

A BRICK/CMU CAVITY WALL

0 6" 1' 2'

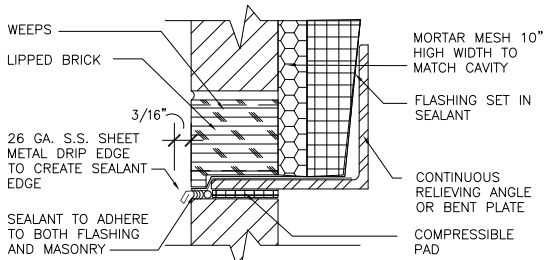
SCALE: 3/4" = 1'-0"

1. USE THIS DETAIL FOR TYPICAL EXTERIOR WALL CONSTRUCTION, SPANDREL BEAM WITH A REINFORCED BACKUP WALL AND RELIEVING ANGLE.

2. REFER TO THE NJSDA DESIGN REQUIREMENTS FOR EXTERIOR MASONRY WALL CONSTRUCTION AND PRESIDING CODES.

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCHITECTURAL FLOOR PLANS.

4. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED WHEN REQUIRED W/ STEEL RE-BARS FOR SEISMIC AND OTHER FORCES PER PRESIDING CODES. ARCHITECT AND STRUCTURAL ENGINEER ARE RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.



1 DETAIL

0 3" 6" 1'

SCALE: 1 1/2" = 1'-0"

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: LL

Revision: X

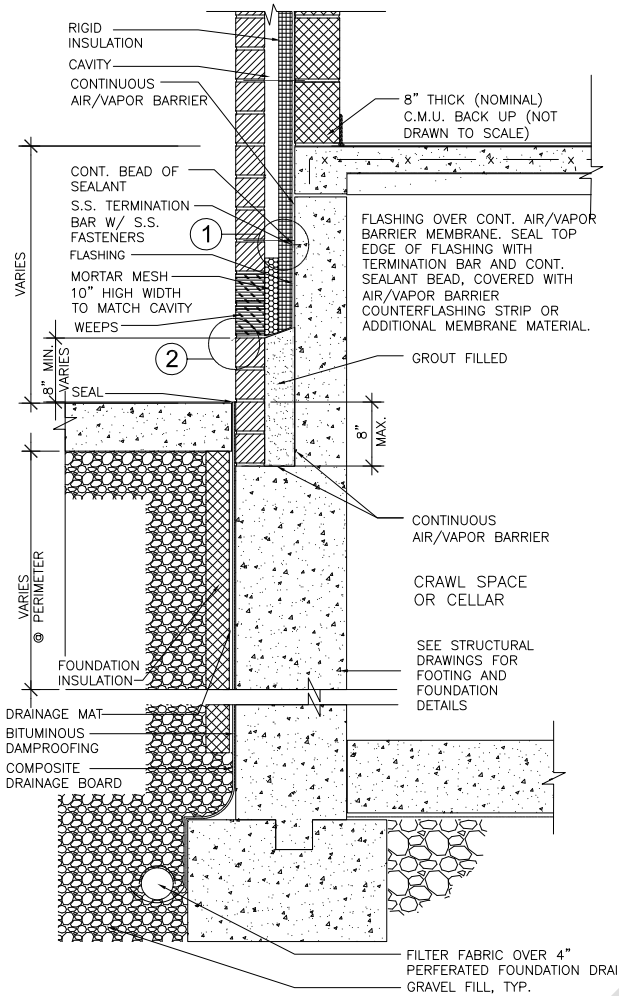
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

SECTION @ SPANDREL: BRICK/CMU CAVITY WALL RELIEVING ANGLE

B2010-11-06

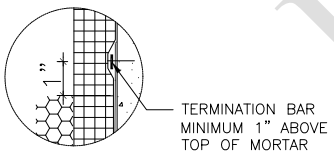


SECTION @ FOUNDATION:

A BRICK/CMU CAVITY WALL

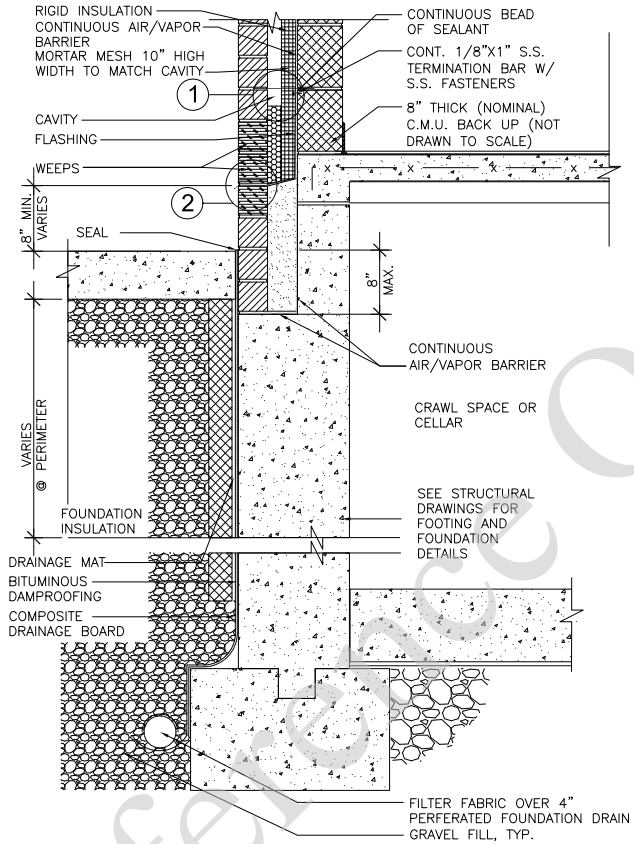
0 6" 1' 2' 4'

SCALE: 1/2" = 1'-0"



1 TERMINATION BAR DETAIL

N.T.S.

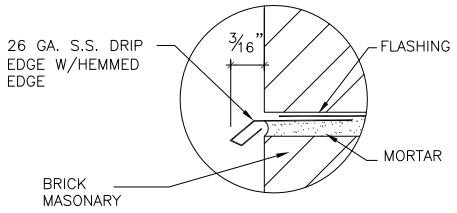


SECTION @ FOUNDATION:

B BRICK/CMU CAVITY WALL

0 6" 1' 2' 4'

SCALE: 1/2" = 1'-0"



2 FLASHING DETAIL

N.T.S.

1. USE THESE DETAILS AS A GUIDE FOR TYPICAL EXTERIOR WALL CONSTRUCTION. MODIFY TO SUIT PROJECT CONDITIONS.

2. REFER TO THE NJSDA DESIGN REQUIREMENT 4.2.1 EXTERIOR MASONRY WALL FOR EXTERIOR MASONRY CONSTRUCTION.

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCH'L FLOOR PLANS.

4. REFER TO THE NJSDA DESIGN REQUIREMENTS FOR DAMPROOFING/ WATERPROOFING REQUIREMENTS.

5. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

6. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED WHEN REQUIRED W/ STEEL RE-BARS FOR SEISMIC AND OTHER FORCES PER PRESIDING CODES. DESIGNER IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: AMR

Revision: -

Date: 19 SEPTEMBER 2011

Scale: AS NOTED

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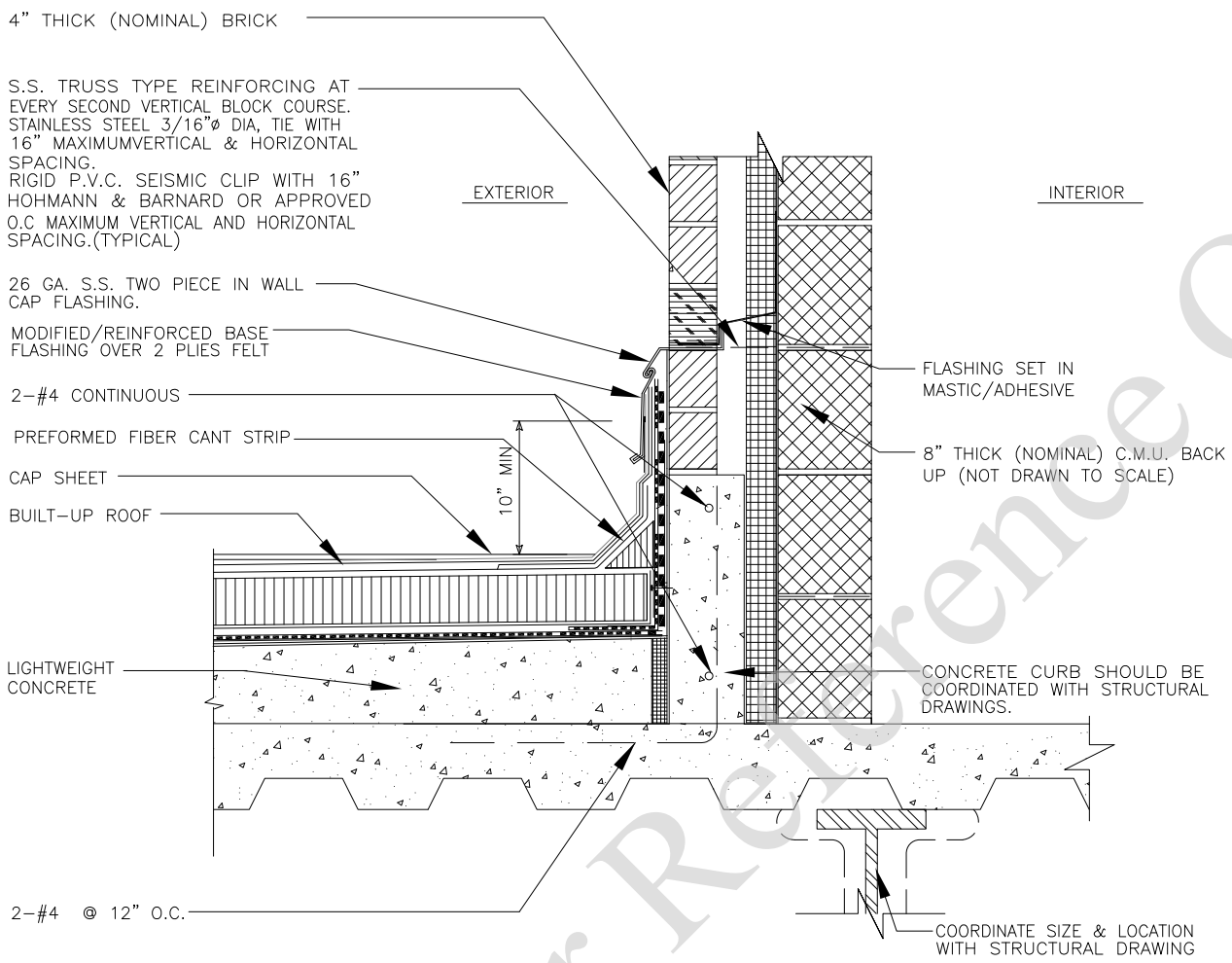
SECTION @ FOUNDATION: BRICK VENEER/CMU BACKUP W/ BSMNT.

B2010-11-07



1. USE THIS DETAIL WHEN EXTERIOR MASONRY RESTS ON STRUCTURAL ROOF DECK.

2. REFER TO THE NJSDA DESIGN REQUIREMENT FOR EXTERIOR MASONRY CONSTRUCTION

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCHITECTURAL ROOF PLANS/DETAILS.

4. ARCHITECT AND STRUCTURAL ENGINEER TO REVIEW DETAIL AND SIZE ALL COMPONENTS (REBAR, ANGLES, BLOCK, DECK, CONC) TO COMPLY WITH PRESIDING CODES

SECTION @ ROOF:

A BRICK/CMU CAVITY WALL @ MASONRY/CONCRETE ROOF CURB DETAIL

0 6" 1' 2'

SCALE: 1" = 1'-0"

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: LL

Revision: -

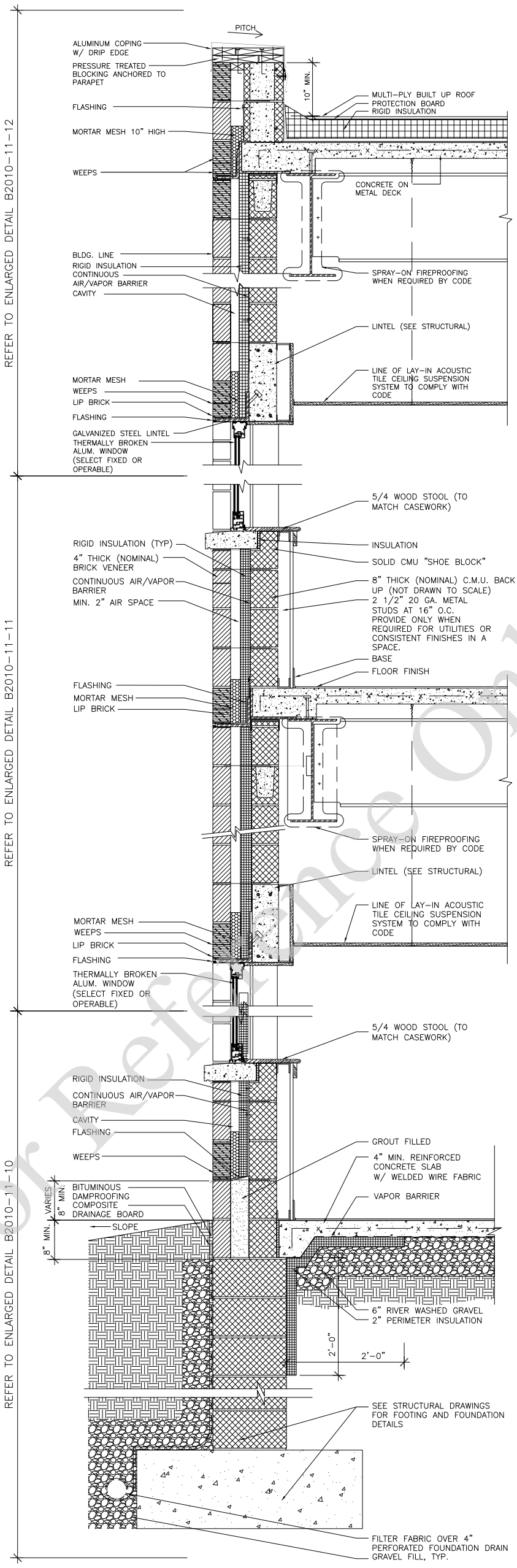
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

SECTION @ ROOF: BRICK/CMU CAVITY WALL CURB BUILT-UP ROOF@ WALL

B2010-11-08



A SECTION: CMU/CMU CAVITY WALL

0 6" 1' 2' 4'

SCALE: 1/2" = 1'-0"

1. USE THIS DETAIL FOR TYPICAL EXTERIOR WALLS REQUIRING PARAPETS.

2. COORDINATE WITH STRUCTURAL DRAWINGS, ARCHITECTURAL PLANS AND BUILDING ELEVATIONS.

3. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

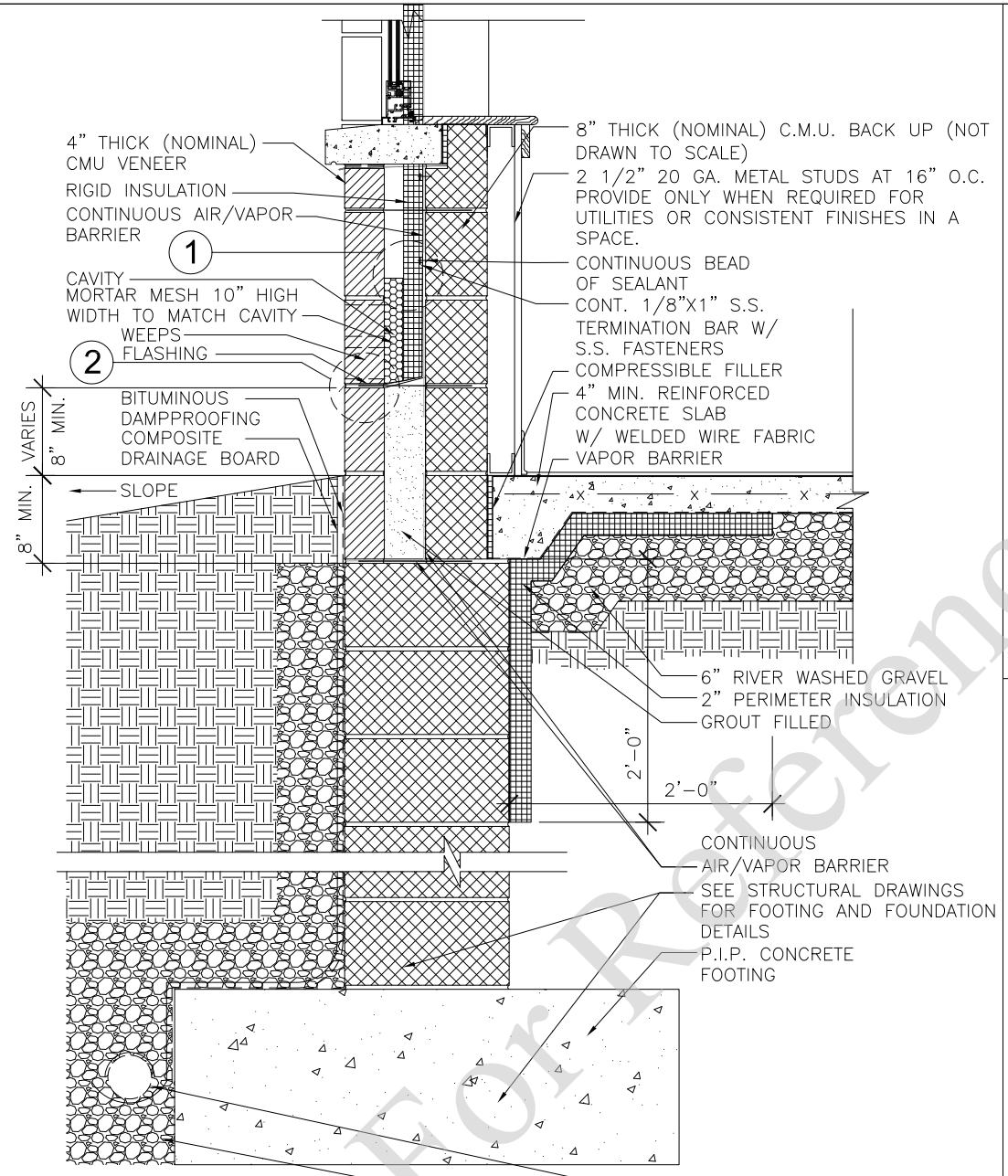
4. DESIGN OF COPING STONE HEIGHT AND CONFIGURATION MAY VARY FOR AESTHETIC CONDITIONS.

5. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED WHEN REQUIRED W/ STEEL RE-BARS FOR SEISMIC AND OTHER FORCES PER PRESIDING CODES. DESIGNER IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS	Drawn by: AR	Revision: -	NOT FOR CONSTRUCTION REFER TO DISCLAIMER	B2010-11-09
Date: 19 SEPTEMBER 2011	SECTION: CMU EXTERIOR CAVITY WALL W/ CMU BACKUP			
Scale: AS NOTED				



SECTION @ FOUNDATION:

A CMU/CMU CAVITY WALL

0 6" 1' 2' 4'

SCALE: 3/4" = 1'-0"

1. USE THESE DETAILS AS A GUIDE FOR TYPICAL EXTERIOR WALL CONSTRUCTION. MODIFY TO SUIT PROJECT CONDITIONS.

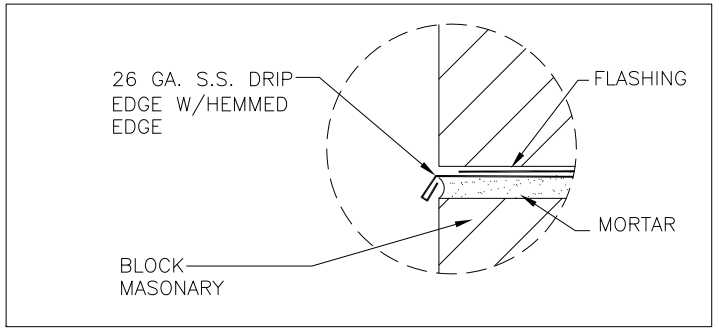
2. REFER TO NJSDA DESIGN REQUIREMENT SB 2011 EXTERIOR MASONRY WALL FOR EXTERIOR WALL CONSTRUCTION.

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCH'L FLOOR PLANS.

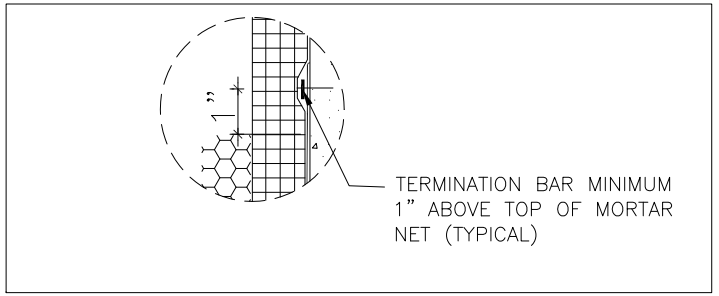
4. REFER TO THE NJSDA DESIGN REQUIREMENTS FOR DAMPPROOFING/ WATERPROOFING REQUIREMENTS.

5. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY.

6. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED WHEN REQUIRED W/ STEEL RE-BARS FOR SEISMIC FORCES PER PRESIDING CODE. DESIGNER IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.



2 FLASHING DETAIL
N.T.S.



1 TERMINATION BAR DETAIL
N.T.S.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: AMR

Revision: -

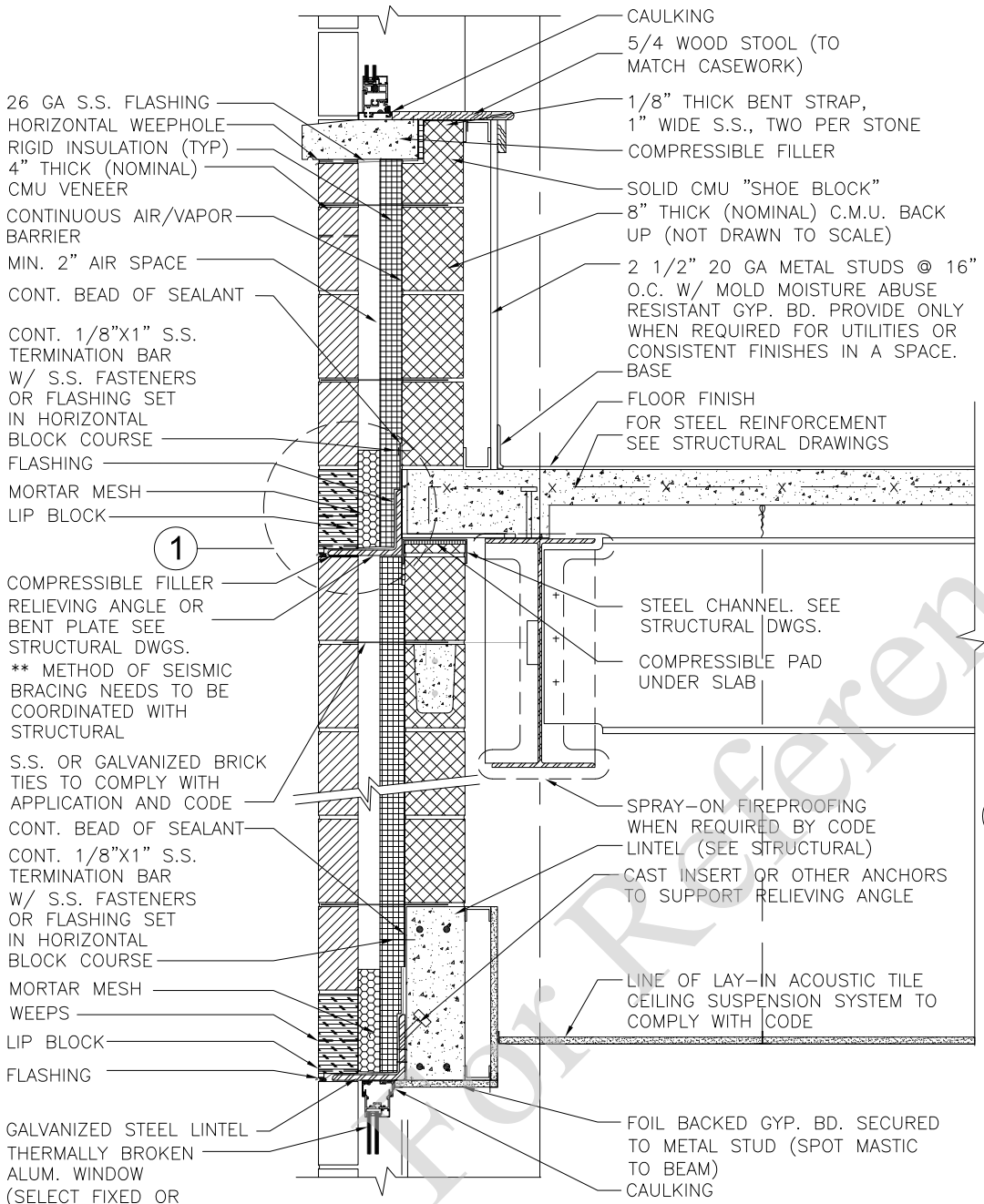
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

SECTION @ FOUNDATION: CMU EXTERIOR CAVITY WALL W/ CMU BACKUP

B2010-11-10

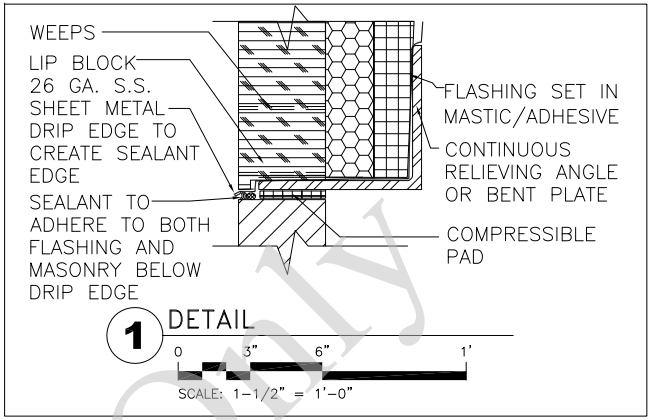


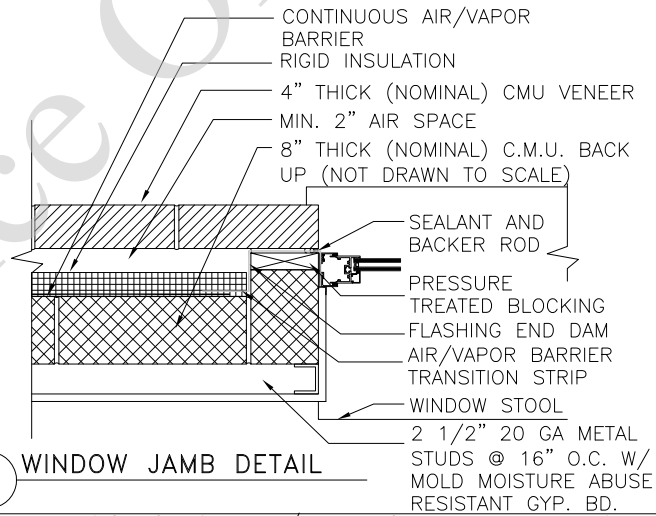
SECTION @ SPANDREL:

A FOR MASONRY OPENINGS/CMU/CMU CAVITY WALL

0 6" 1' 2' 4'

SCALE: 3/4" = 1'-0"





1. THE DESIGN CONSULTANT/ARCHITECT AND THEIR CONSULTANTS SHALL SIZE AND SELECT ALL MATERIALS AND SYSTEMS TO COMPLY WITH PRESIDING CODES.

2. USE THIS DETAIL FOR TYPICAL EXTERIOR WALL CONSTRUCTION, WHEN MASONRY OPENINGS ARE A MAXIMUM 8'-0" WIDE.

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCHITECTURAL FLOOR PLANS.

4. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

5. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED AS REQUIRED W/ STEEL RE-BARS FOR SEISMIC AND OTHER FORCES PER N.J. BLDG. CODES. DESIGNER IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

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Scale: AS NOTED

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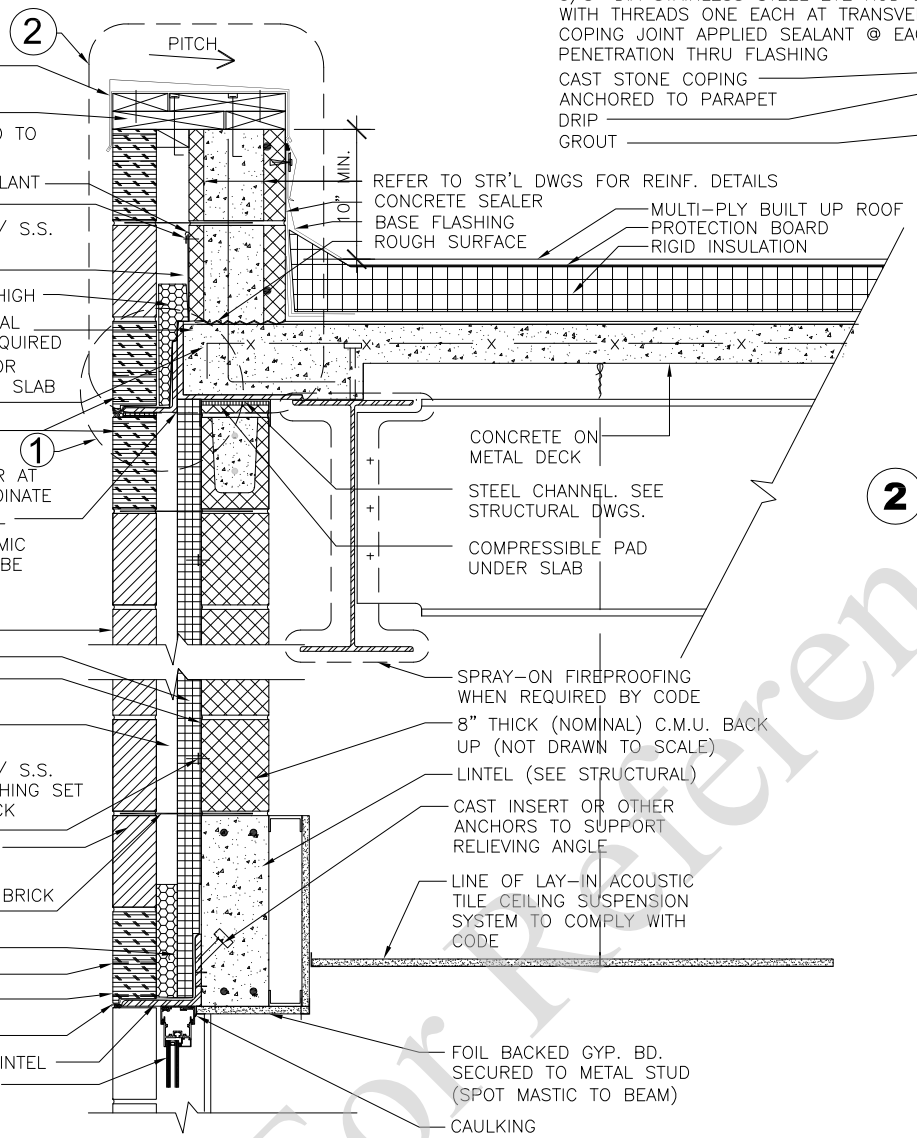
SECT. @ SPANDREL: CMU VENEER/CMU MASONRY OPENINGS 8'-0" OR LESS

B2010-11-11



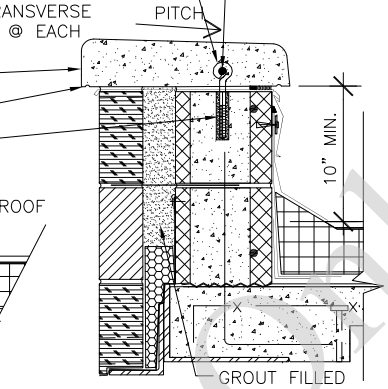
SECTION @ PARAPET:

A CMU/CMU CAVITY WALL

0 6" 1' 2' 4'

SCALE: 3/4" = 1'-0"

NOTE: SEE STRUCTURAL DRAWINGS FOR LOCATION AND DETAIL OF SECURITY LIGHTING INSERTS



ALT. OPTION 2 @ PARAPET

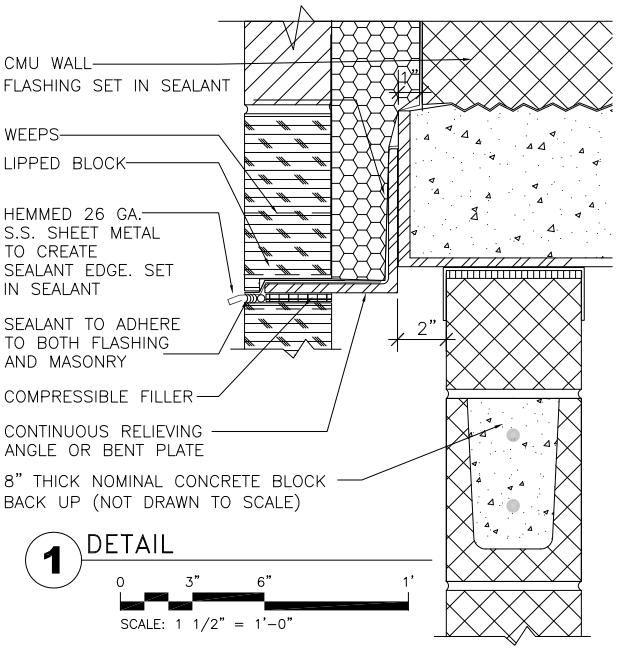
1. USE THIS DETAIL FOR TYPICAL EXTERIOR WALLS REQUIRING PARAPETS.

2. COORDINATE WITH STRUCTURAL DRAWINGS, ARCHITECTURAL PLANS AND BUILDING ELEVATIONS.

3. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

4. DESIGN OF COPING STONE HEIGHT AND CONFIGURATION MAY VARY FOR AESTHETIC CONDITIONS.

5. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED WHEN REQUIRED W/ STEEL RE-BARS FOR SEISMIC AND OTHER FORCES PER PRESIDING CODES. DESIGNER IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.



1 DETAIL

0 3" 6" 1'

SCALE: 1 1/2" = 1'-0"

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

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Revision: -

Date: 19 SEPTEMBER 2011

Scale: AS NOTED

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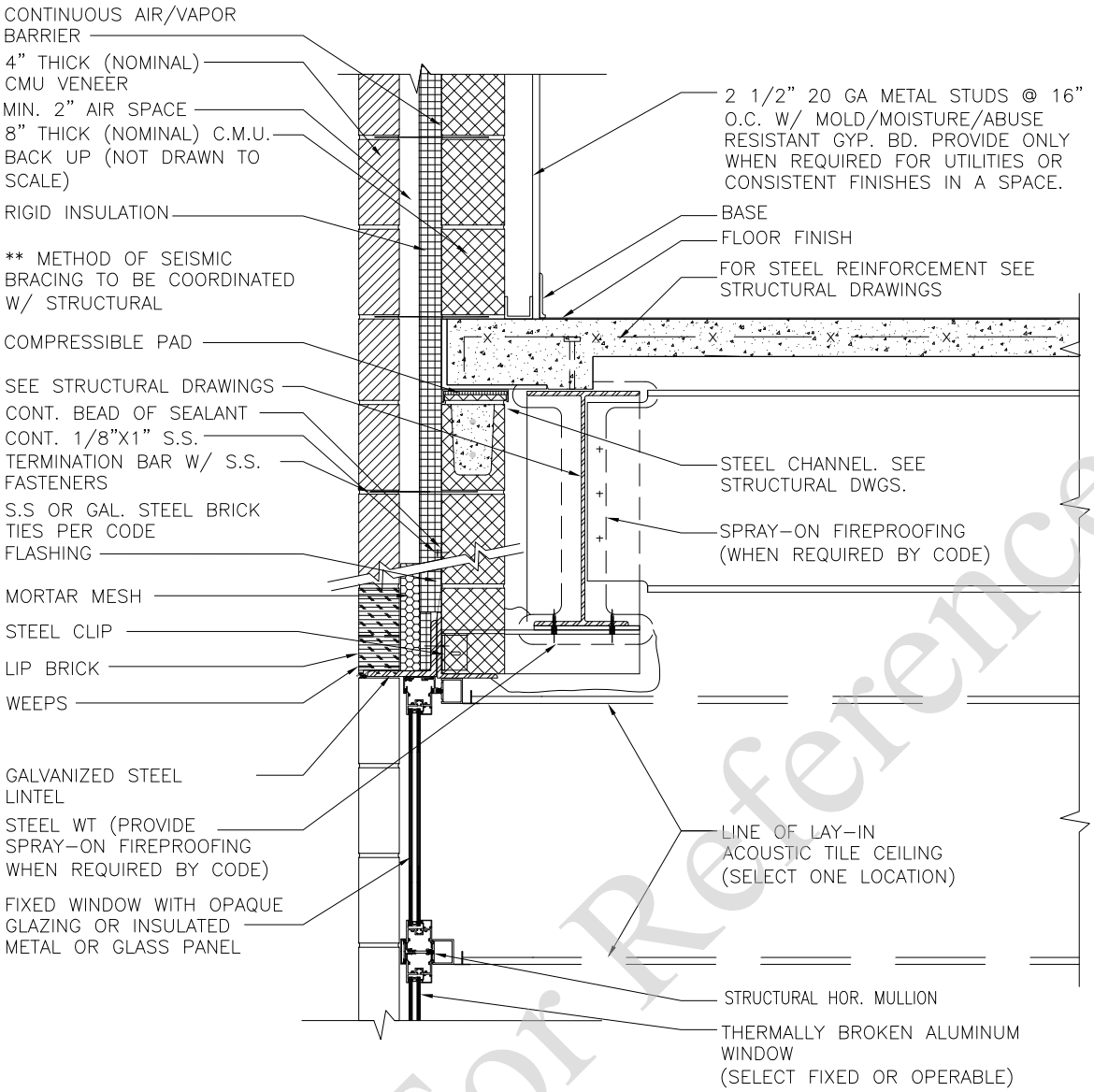
SECTION @ PARAPET: CMU VENEER/CMU CAVITY WALL

B2010-11-12



SECTION @ SPANDREL:

A CMU/CMU CAVITY WALL W/ CMU BACK UP & HIGH WINDOWS

0 6" 1' 2' 4'

SCALE: 3/4" = 1'-0"

1. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCHITECTURAL FLOOR PLANS.

2. THE DESIGN CONSULTANT/ARCHITECT SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

3. THE DESIGN CONSULTANT/ARCHITECT AND THEIR CONSULTANTS SHALL SIZE AND SELECT ALL MATERIALS AND SYSTEMS TO COMPLY WITH PRESIDING CODES.

4. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED WHEN REQUIRED W/ STEEL RE-BARS FOR SEISMIC AND OTHER FORCES PER ADOPTED N.J. BLDG. CODES. THE DESIGN CONSULTANT/ARCHITCT IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.

5. REFER TO NJSDA STANDARD DETAIL B2011-11-11 FOR DETAIL AT WINDOW JAMB.

5. LINTEL ASSEMBLY SUPPORT SHALL BE DESIGNED AND CLEARLY INDICATED ON THE STRUCTURAL/ARCHITECTURAL DRAWINGS.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

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Revision: -

Date: 19 SEPTEMBER 2011

Scale: AS NOTED

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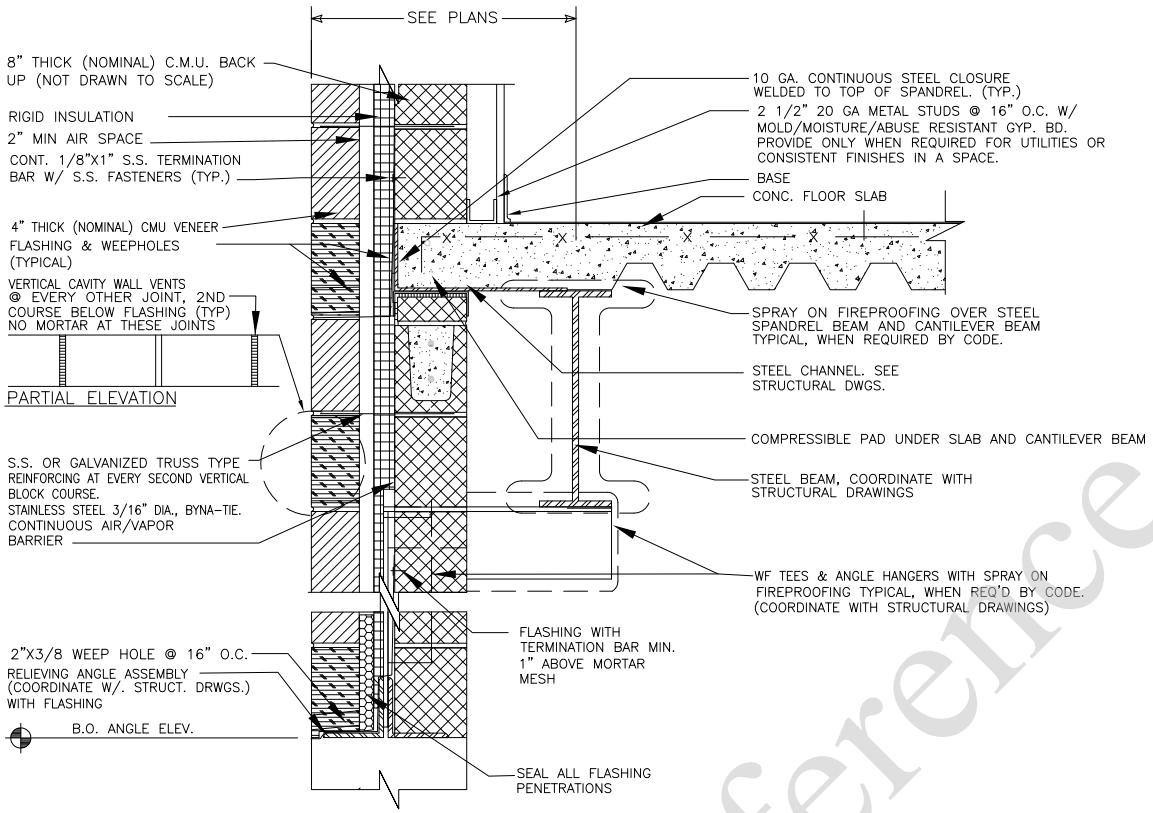
SECTION @ SPANDREL: CMU VENEER/CMU CAVITY WALL HIGH WINDOWS

B2010-11-13



SECTION @ SPANDREL:

A CMU/CMU CAVITY WALL

0 6" 1' 2'

SCALE: 3/4" = 1'-0"

1. USE THIS DETAIL FOR TYPICAL EXTERIOR WALL CONSTRUCTION, SPANDREL BEAM WITH A REINFORCED BACKUP WALL.

2. REFER TO THE NJSDA DESIGN REQUIREMENTS FOR EXTERIOR MASONRY WALL CONSTRUCTION AND PRESIDING CODES.

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCHITECTURAL FLOOR PLANS.

4. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED WHEN REQUIRED W/ STEEL RE-BARS FOR SEISMIC AND OTHER FORCES PER PRESIDING CODES. ARCHITECT AND STRUCTURAL ENGINEER ARE RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.

6. ARCHITECT AND STRUCTURAL ENGINEER TO REVIEW, DETAIL AND SIZE ALL COMPONENTS (REBAR, ANGLES, BLOCK, ETC. TO COMPLY WITH PRESIDING CODES.)

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

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Revision: X

Date: 19 SEPTEMBER 2011

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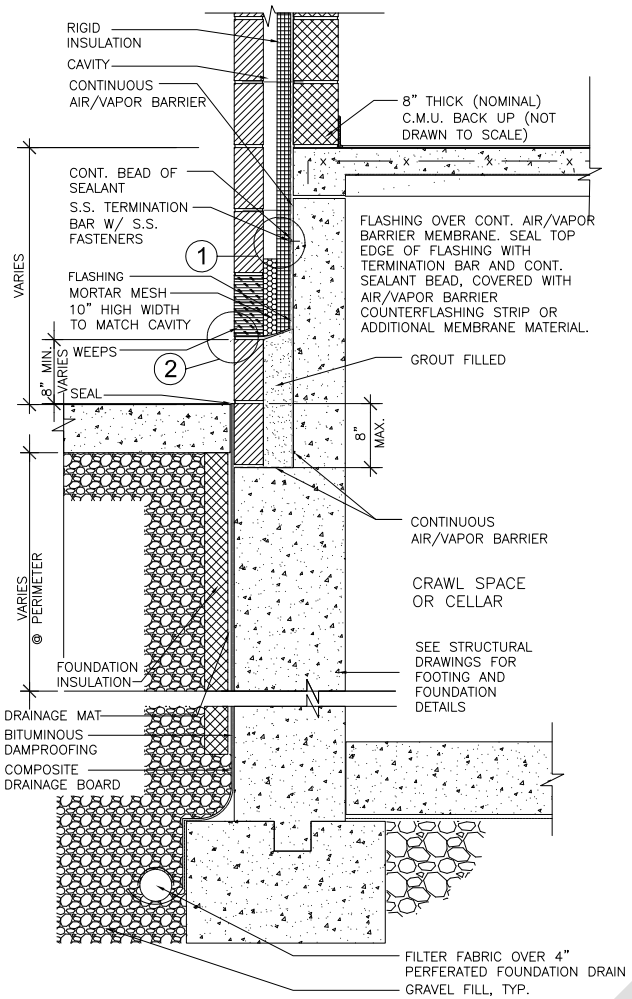
NOT FOR CONSTRUCTION REFER TO DISCLAIMER

SECT. @ SPANDREL: BRICK/CMU CAVITY WALL RELIEVING ANGLE

B2010-11-14

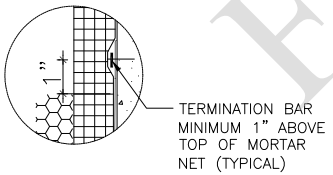


SECION @ FOUNDATION:

A CMU/CMU CAVITY WALL

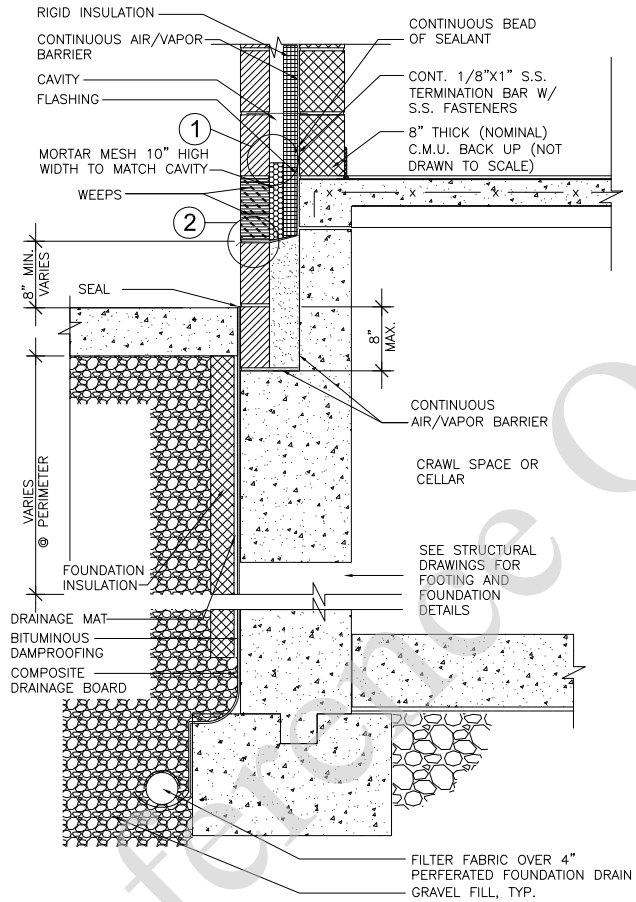
0 6" 1' 2' 4'

SCALE: 1/2" = 1'-0"



1 TERMINATION BAR DETAIL

N.T.S.

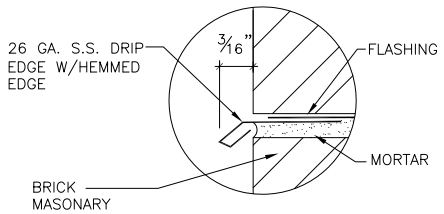


SECTION @ FOUNDATION:

B CMU/CMU CAVITY WALL

0 6" 1' 2' 4'

SCALE: 1/2" = 1'-0"



2 FLASHING DETAIL

N.T.S.

1. USE THESE DETAILS AS A GUIDE FOR TYPICAL EXTERIOR WALL CONSTRUCTION. MODIFY TO SUIT PROJECT CONDITIONS.

2. REFER TO THE NJSDA DESIGN REQUIREMENT 4.2.1 EXTERIOR MASONRY WALL FOR EXTERIOR MASONRY CONSTRUCTION.

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCH'L FLOOR PLANS.

4. REFER TO THE NJSDA DESIGN REQUIREMENTS FOR DAMPROOFING/ WATERPROOFING REQUIREMENTS.

5. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

6. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED WHEN REQUIRED W/ STEEL RE-BARS FOR SEISMIC AND OTHER FORCES PER PRESIDING CODES. DESIGNER IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: AMR

Revision: -

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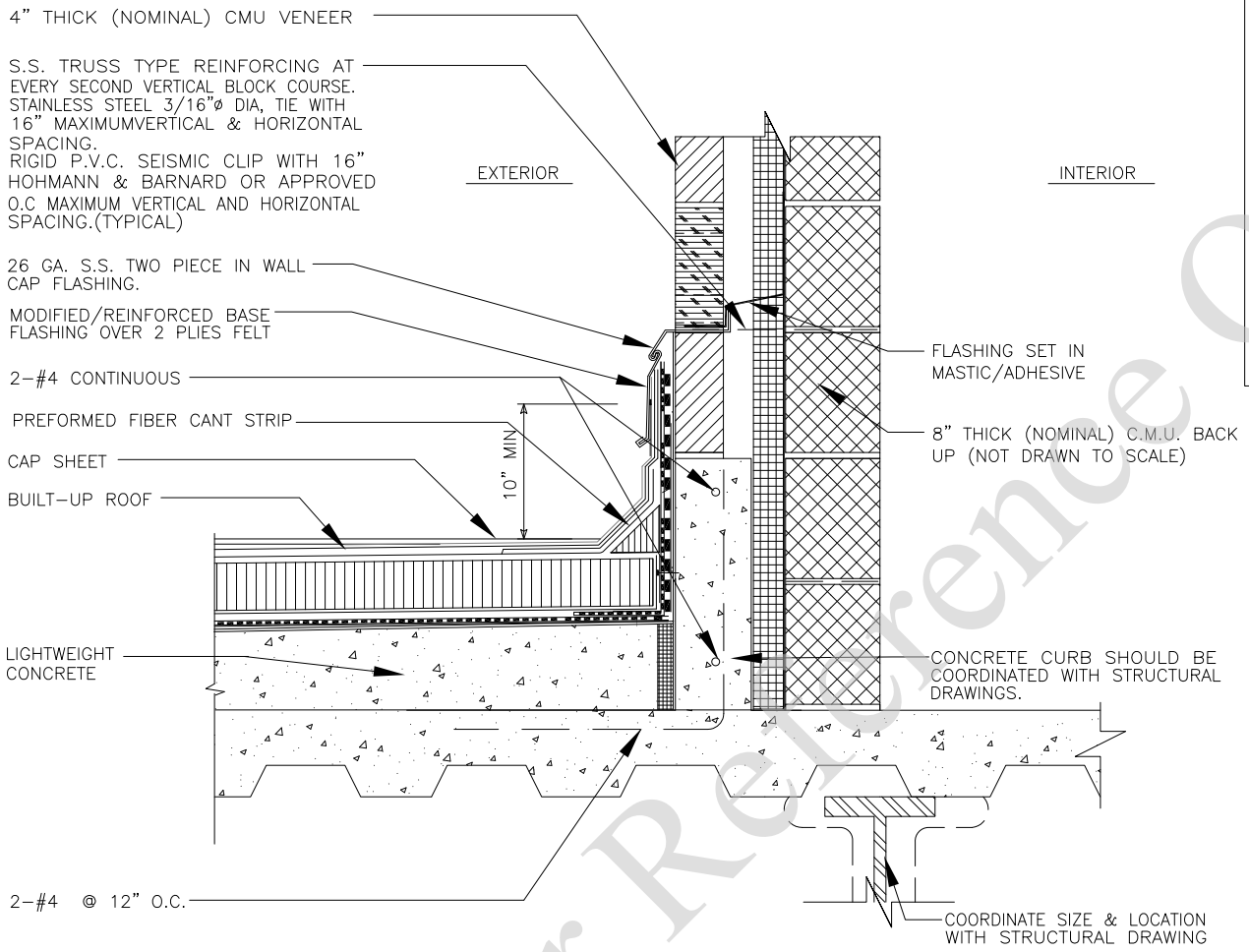
SECTION @ FOUNDATION BRICK CMU VENEER/CMU BACKUP W/ BSMNT.

B2010-11-15



1. USE THIS DETAIL WHEN EXTERIOR MASONRY RESTS ON STRUCTURAL ROOF DECK.

2. REFER TO THE NJSDA DESIGN REQUIREMENT FOR EXTERIOR MASONRY CONSTRUCTION

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCHITECTURAL ROOF PLANS/DETAILS.

4. ARCHITECT AND STRUCTURAL ENGINEER TO REVIEW DETAIL AND SIZE ALL COMPONENTS (REBAR, ANGLES, BLOCK, DECK, CONC) TO COMPLY WITH PRESIDING CODES

SECTION @ ROOF:

A CMU/CMU CAVITY WALL @ MASONRY/CONCRETE ROOF CURB DETAIL

0 6" 1' 2'

SCALE: 1" = 1'-0"

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
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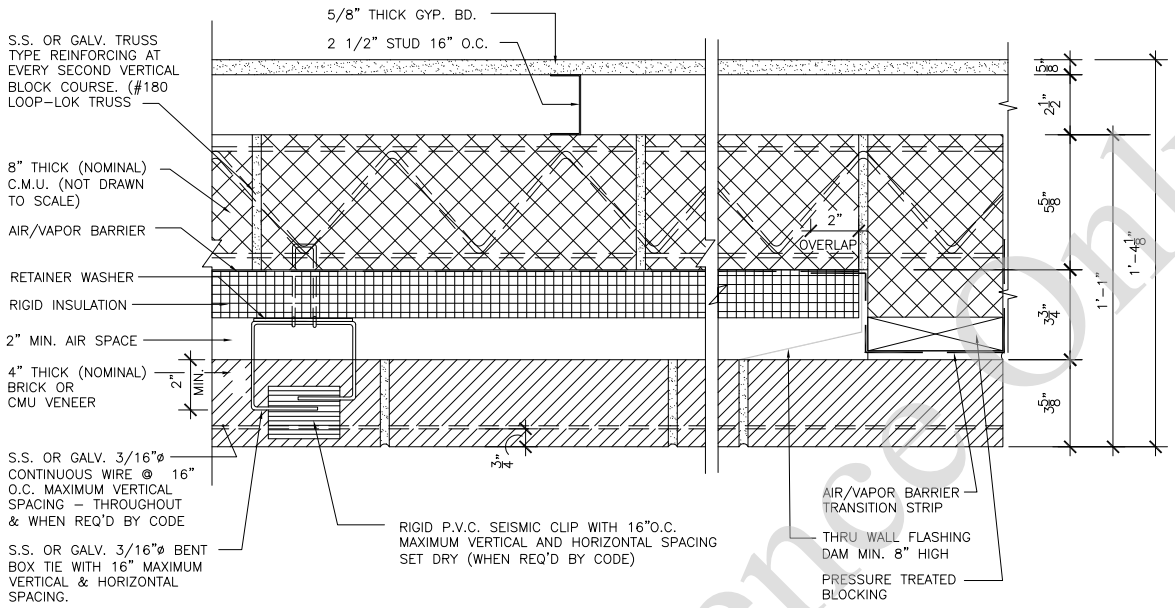
SECTION @ ROOF: CMU VENEER/CMU CAVITY WALL CURB BUILT-UP ROOF @WALL

B2010-11-16



EXTERIOR CAVITY WALL/MASONRY

(A) DETAIL

0 6" 1' 2'

SCALE: 1 1/2" = 1'-0"

1. REFER TO THE NJSDA DESIGN REQUIREMENT FOR EXTERIOR MASONRY WALL CONSTRUCTION.

2. COORDINATE CONTROL AND EXPANSION JOINTS FOR EXTERIOR MASONRY WALLS WITH BUILDING ELEVATIONS & STRUCTURAL DRAWINGS.

3. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: JEK

Revision: -

Date: 19 SEPTEMBER 2011

Scale: AS NOTED

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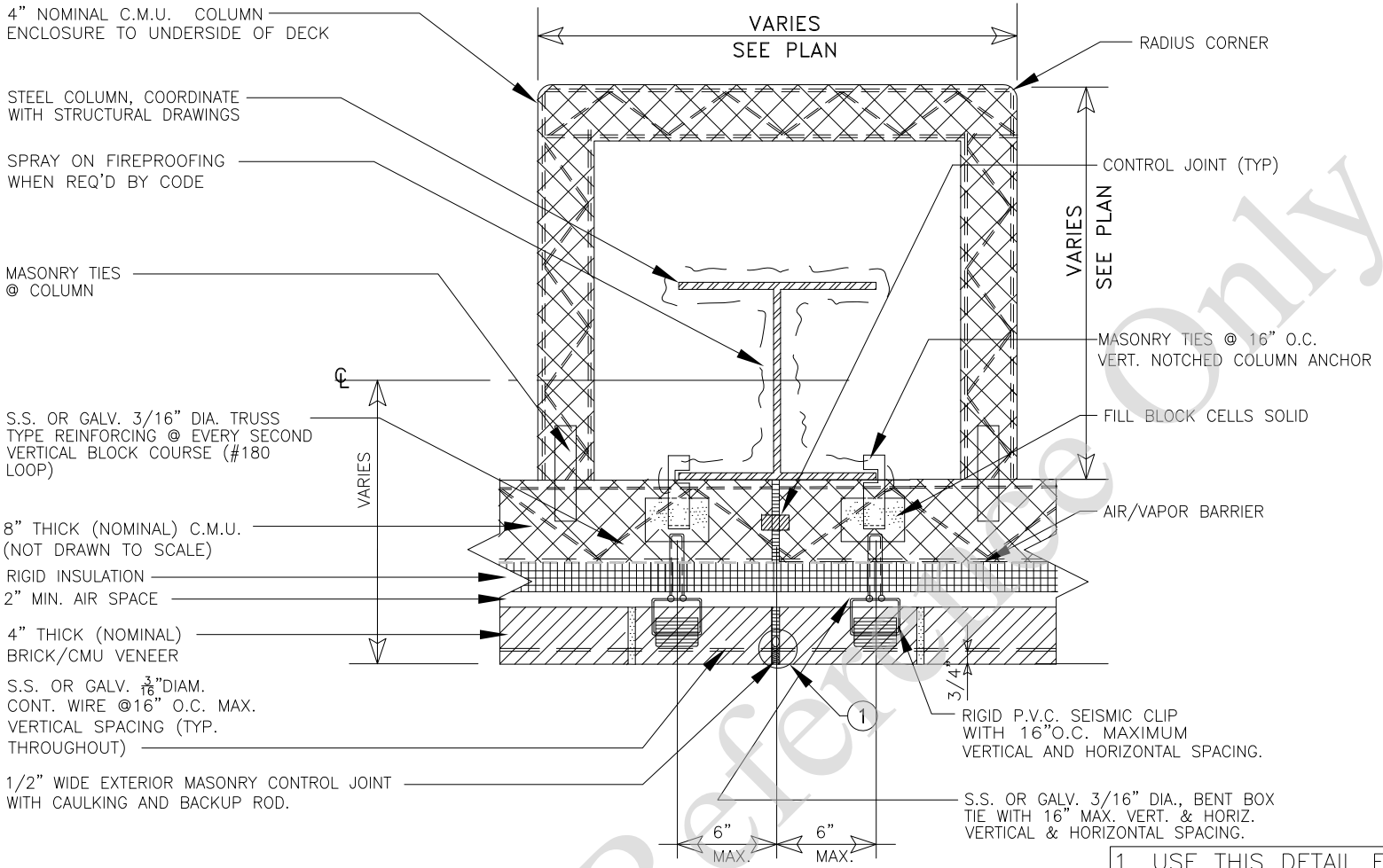
PARTIAL PLAN: BRICK/CMU VENEER/CMU CAVITY WALL

B2010-11-17



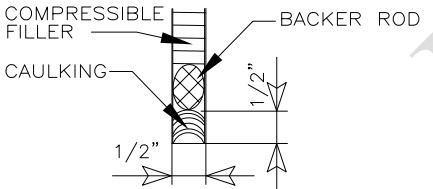
EXTERIOR CAVITY WALL/MASONRY

A TYPICAL COLUMN – DETAIL

0 6" 1' 2'

SCALE: 1" = 1'–0"

NOTE: PATCH ALL FIREPROOFING DAMAGED DURING INSTALLATION OF MASONRY ANCHORS TO STEEL COLUMNS TO MAINTAIN FIRE RATING.



1 CONTROL JOINT

N.T.S.

1. USE THIS DETAIL FOR TYPICAL MASONRY CAVITY WALL CONSTRUCTION FOR EXTERIOR WALLS.

2. COORDINATE CONTROL AND EXPANSION JOINTS FOR EXTERIOR MASONRY WALLS WITH BUILDING ELEVATIONS & STRUCTURAL DRAWINGS.

3. CONTROL JOINTS SHALL BE @ CL OF COL. APPROXIMATELY 25'–0" O.C. WITH 3/8" JOINTS AND MAX. 40'–0" O.C. WITH 1/2" JOINTS.

4. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: JEK

Revision: -

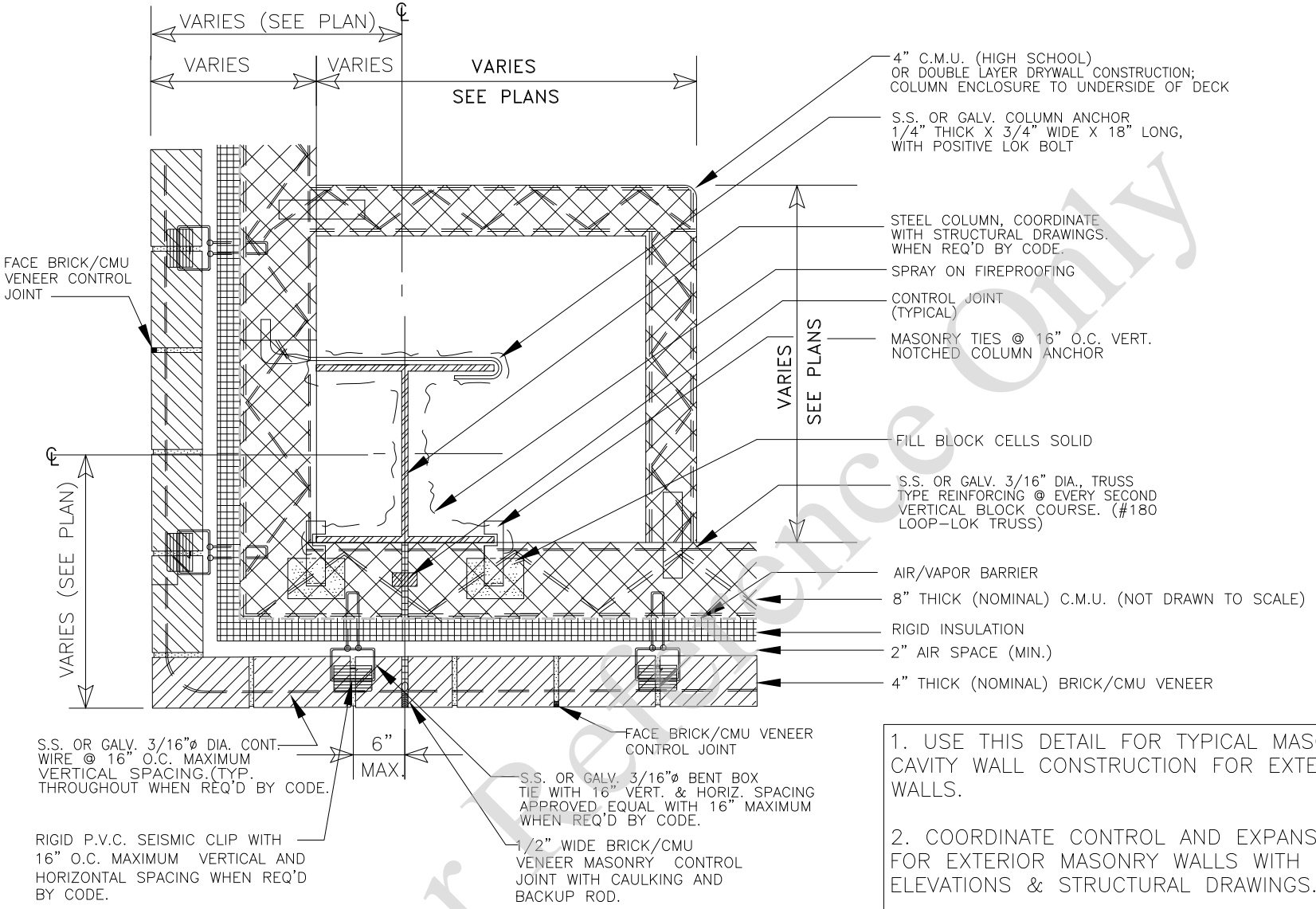
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

COLUMN PLAN DETAIL: BRICK OR CMU VENEER/CMU CAVITY WALL (TYP.)

B2010-11-18



EXTERIOR CAVITY WALL/MASONRY

A COLUMN AT EXTERIOR CORNER

1" = 1'-0"

0 6" 1' 2'

SCALE: 1" = 1'-0"

NOTE: PATCH ALL FIREPROOFING DAMAGED DURING INSTALLATION OF MASONRY ANCHORS TO STEEL COLUMNS TO MAINTAIN FIRE RATING.

1. USE THIS DETAIL FOR TYPICAL MASONRY CAVITY WALL CONSTRUCTION FOR EXTERIOR WALLS.

2. COORDINATE CONTROL AND EXPANSION JOINTS FOR EXTERIOR MASONRY WALLS WITH BUILDING ELEVATIONS & STRUCTURAL DRAWINGS.

3. CONTROL JOINTS SHALL BE @ CL OF COL. APPROXIMATELY 25'-0" O.C. WITH 3/8" JOINTS AND MAX. 40'-0" O.C. WITH 1/2" JOINTS.

4. CONTROL JOINTS ON EITHER SIDE OF A CORNER SHALL BE LOCATED NOT MORE THAN 15'-0" APART.

5. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM NJSDA.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: JEK

Revision: -

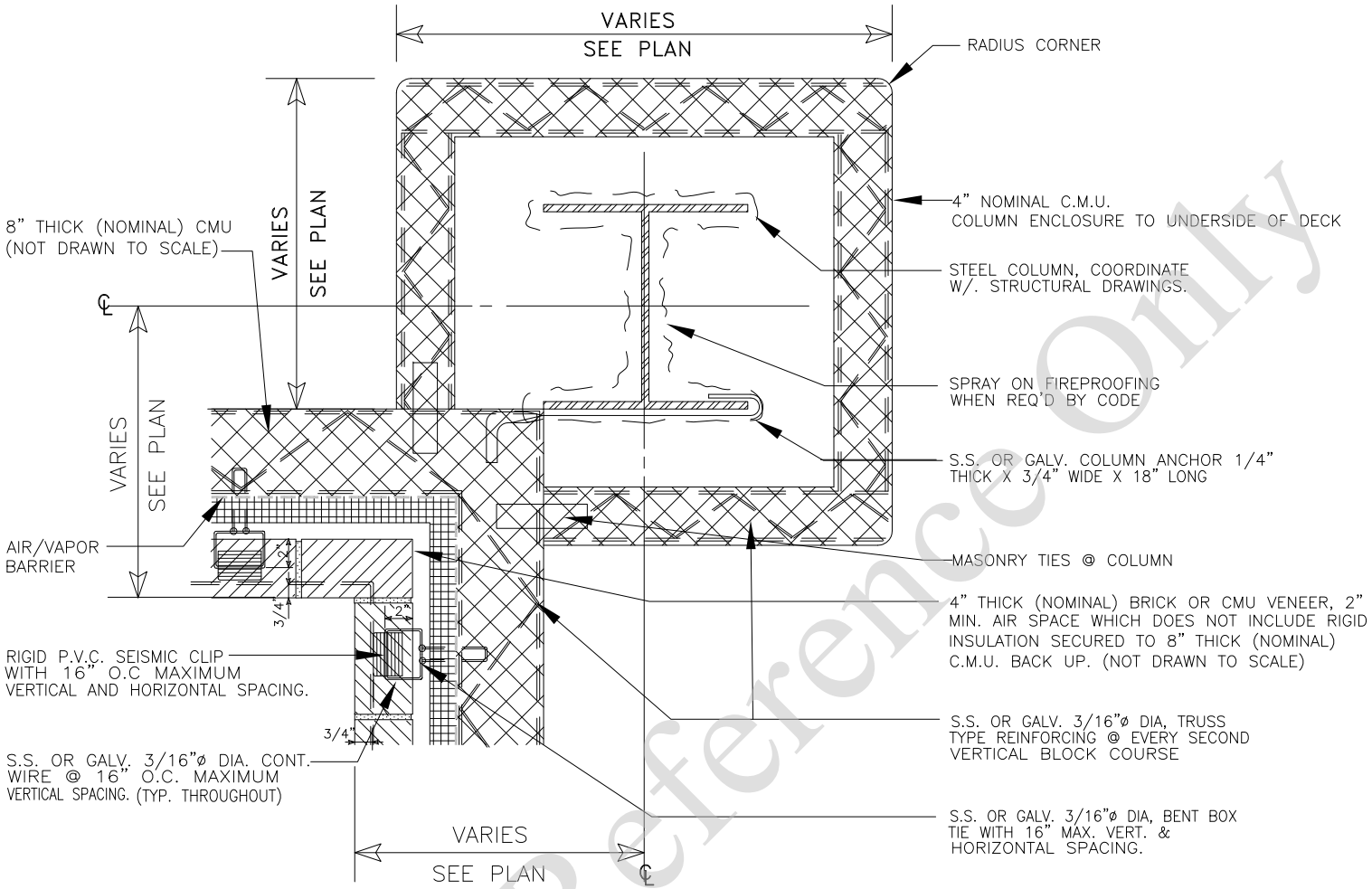
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

COLUMN PLAN DETAIL: BRICK OR CMU VENEER/CMU CAVITY WALL EXTERIOR CORNER

B2010-11-19



EXTERIOR CAVITY WALL/MASONRY

A COLUMN AT INTERIOR CORNER

0 6" 1' 2'

SCALE: 1" = 1'-0"

NOTE: PATCH ALL FIREPROOFING DAMAGED DURING INSTALLATION OF MASONRY ANCHORS TO STEEL COLUMNS TO MAINTAIN FIRE RATING.

1. USE THIS DETAIL FOR TYPICAL MASONRY CAVITY WALL CONSTRUCTION FOR EXTERIOR WALLS.

2. COORDINATE CONTROL AND EXPANSION JOINTS FOR EXTERIOR MASONRY WALLS WITH BUILDING ELEVATIONS & STRUCTURAL DRAWINGS.

3. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: JEK

Revision: -

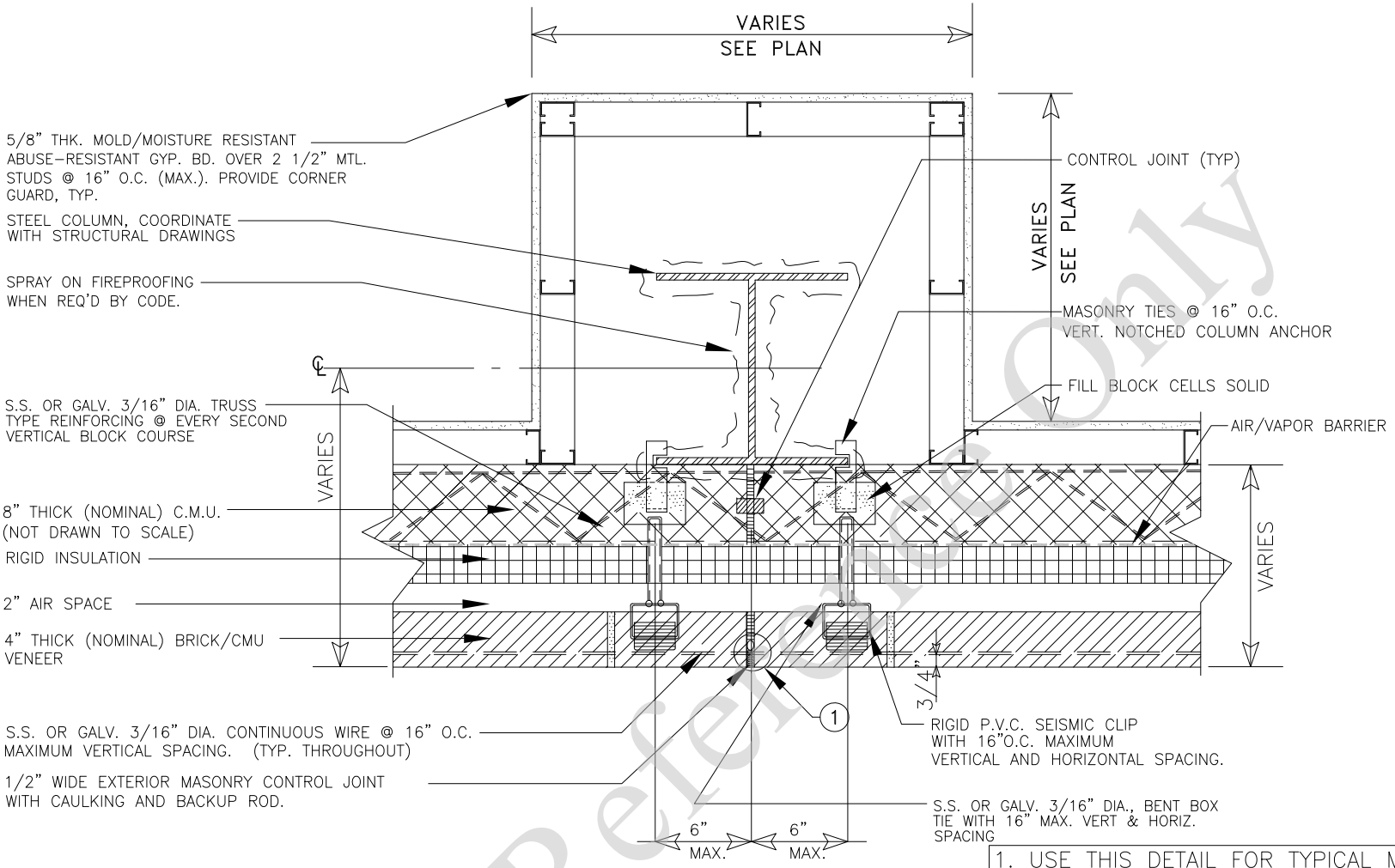
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

COLUMN PLAN DETAIL: BRICK OR CMU VENEER/CMU CAVITY WALL INTERIOR COLUMN

B2010-11-20



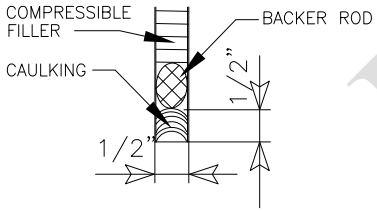
EXTERIOR CAVITY WALL/MASONRY

A TYPICAL COLUMN DETAIL

0 6" 1' 2'

SCALE: 1" = 1'-0"

NOTE: PATCH ALL FIREPROOFING DAMAGED DURING INSTALLATION OF MASONRY ANCHORS TO STEEL COLUMNS TO MAINTAIN FIRE RATING.



1 CONTROL JOINT

N.T.S.

1. USE THIS DETAIL FOR TYPICAL MASONRY CAVITY WALL CONSTRUCTION FOR EXTERIOR WALLS.

2. COORDINATE CONTROL AND EXPANSION JOINTS FOR EXTERIOR MASONRY WALLS WITH BUILDING ELEVATIONS & STRUCTURAL DRAWINGS.

3. CONTROL JOINTS SHALL BE @ CL OF COL. APPROXIMATELY 25'-0" O.C. WITH 3/8" JOINTS AND MAX. 40'-0" O.C. WITH 1/2" JOINTS.

4. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: JEK

Revision: -

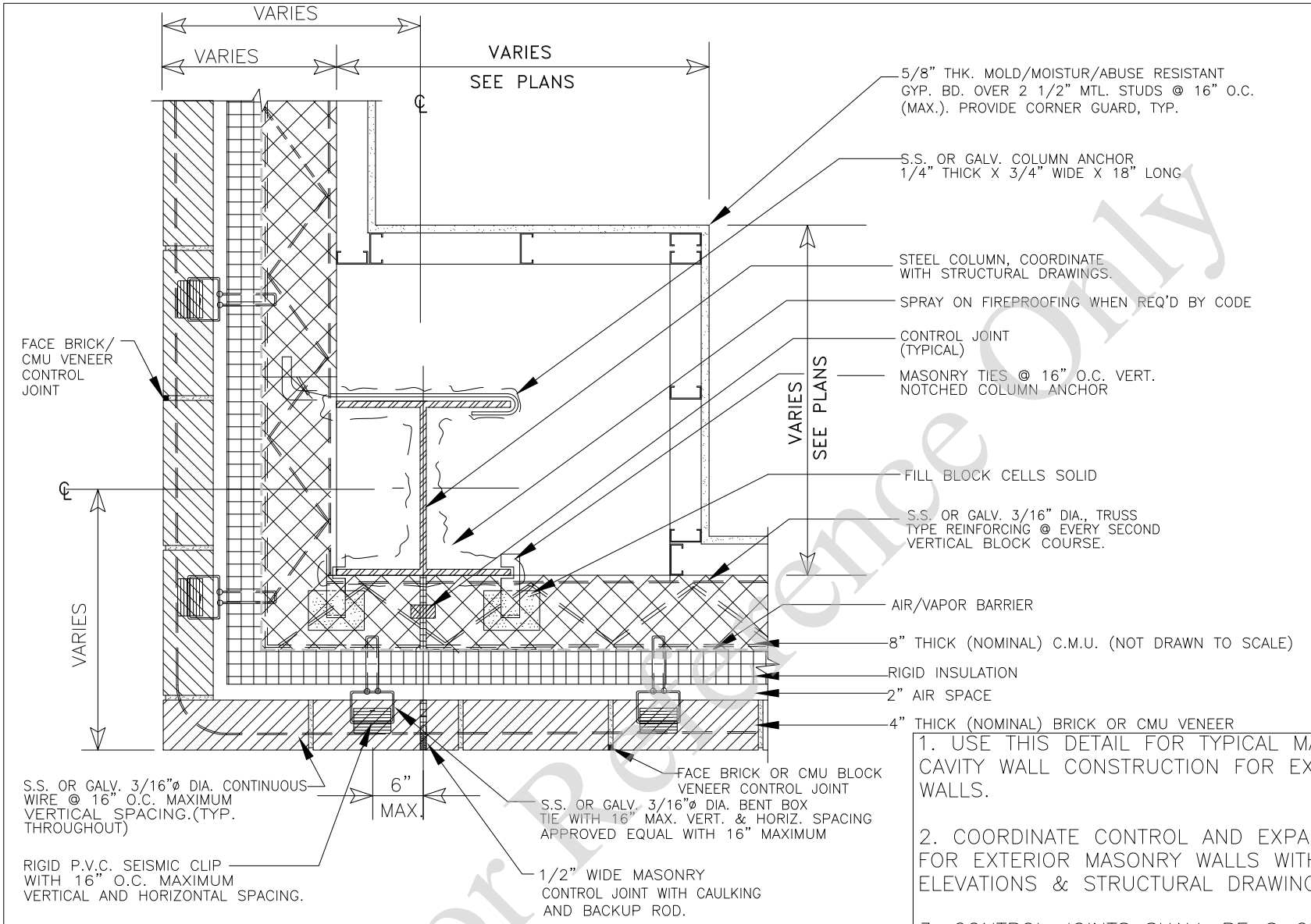
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

COLUMN PLAN DETAIL: BRICK OR CMU VENEER/CMU CAVITY WALL TYP. GWB ENCLOSURE

B2010-11-21



EXTERIOR CAVITY WALL

A COLUMN AT EXTERIOR CORNER DETAIL

0 6" 1' 2'

SCALE: 1" = 1'-0"

NOTE: PATCH ALL FIREPROOFING DAMAGED DURING INSTALLATION OF MASONRY ANCHORS TO STEEL COLUMNS TO MAINTAIN FIRE RATING.

1. USE THIS DETAIL FOR TYPICAL MASONRY CAVITY WALL CONSTRUCTION FOR EXTERIOR WALLS.

2. COORDINATE CONTROL AND EXPANSION JOINTS FOR EXTERIOR MASONRY WALLS WITH BUILDING ELEVATIONS & STRUCTURAL DRAWINGS.

3. CONTROL JOINTS SHALL BE @ CL OF COL. APPROXIMATELY 25'-0" O.C. WITH 3/8" JOINTS AND MAX. 40'-0" O.C. WITH 1/2" JOINTS.

4. CONTROL JOINTS ON EITHER SIDE OF A CORNER SHALL BE LOCATED NOT MORE THAN 15'-0" APART.

5. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

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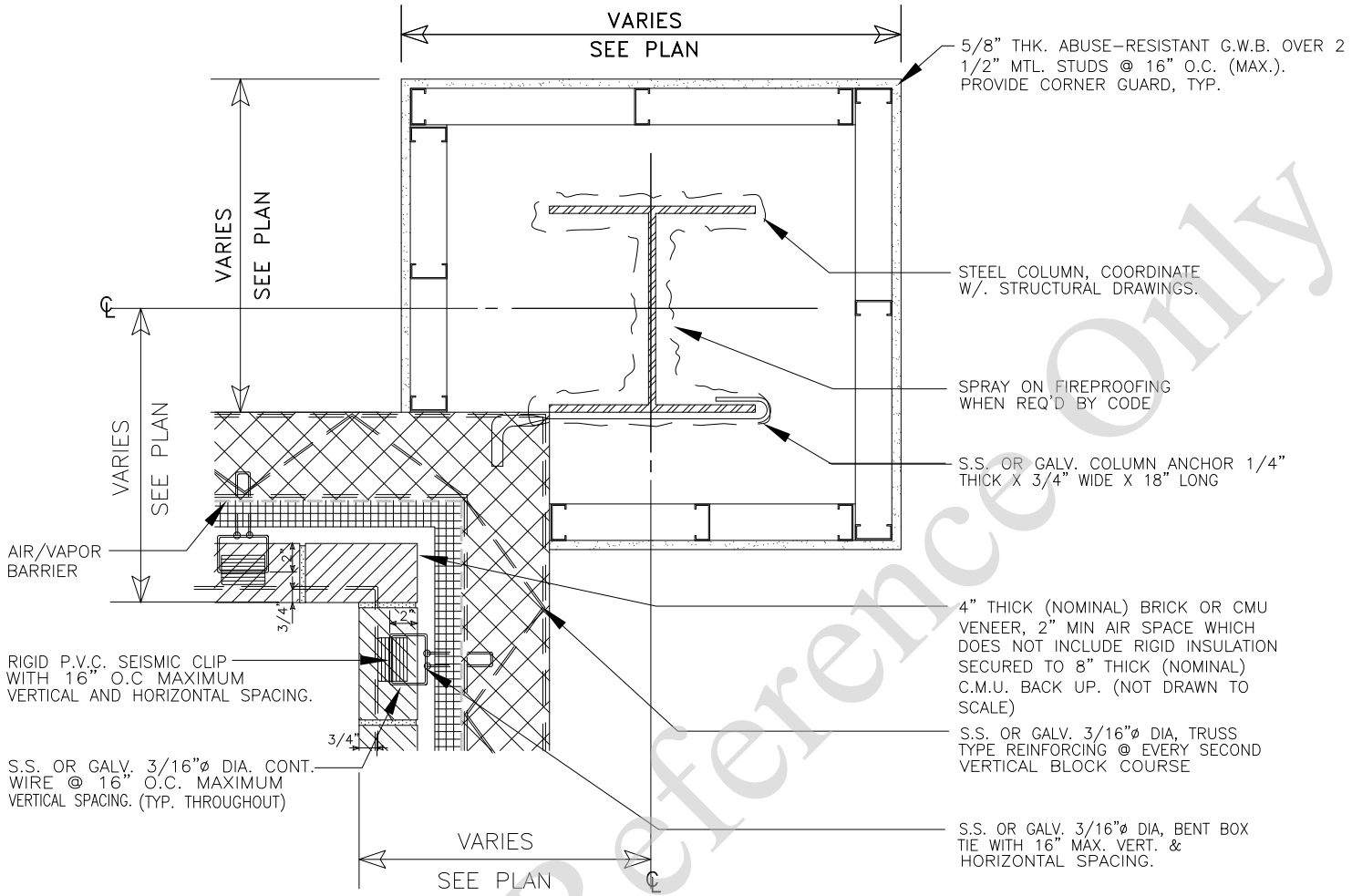
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

COLUMN PLAN DETAIL: BRICK OR CMU VENEER/CMU CAVITY WALL EXT CORNER GWB ENCL.

B2010-11-22



EXTERIOR CAVITY WALL/MASONRY

A COLUMN AT INTERIOR CORNER

1" = 1'-0"

0 6" 1' 2' 4'

SCALE: 1" = 1'-0"

NOTE: PATCH ALL FIREPROOFING DAMAGED DURING INSTALLATION OF MASONRY ANCHORS TO STEEL COLUMNS TO MAINTAIN FIRE RATING.

1. USE THIS DETAIL FOR TYPICAL MASONRY CAVITY WALL CONSTRUCTION FOR EXTERIOR WALLS.

2. COORDINATE CONTROL AND EXPANSION JOINTS FOR EXTERIOR MASONRY WALLS WITH BUILDING ELEVATIONS & STRUCTURAL DRAWINGS.

3. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: LL

Revision: -

Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

COLUMN PLAN DETAIL: BRICK OR CMU VENEER/CMU CAVITY WALL INT. CORNER GWB ENCL.

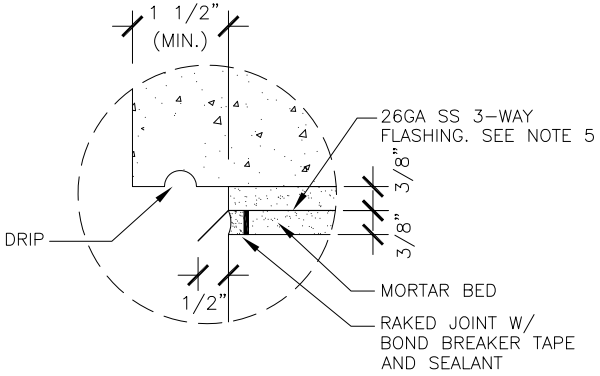
B2010-11-23

1. STONE HEIGHT DIMENSIONS ARE MINIMUM FOR STANDARD STONE.

2. DESIGN OF COPING STONE HEIGHT AND CONFIGURATION MAY VARY FOR AESTHETIC CONDITIONS

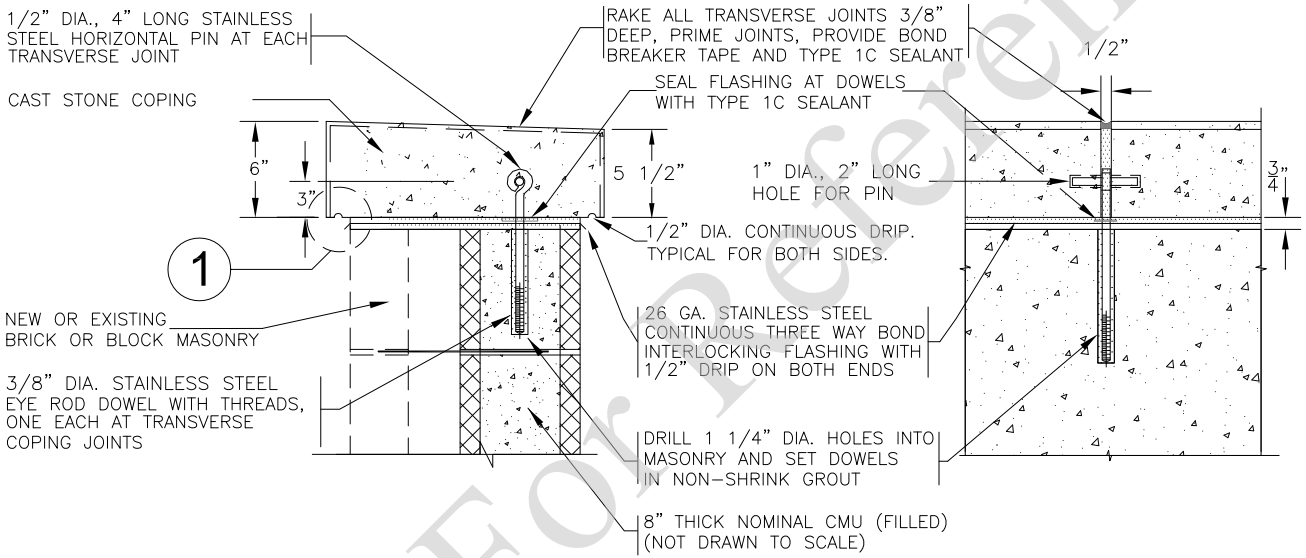
3. USE THIS DETAIL FOR REPLACEMENT OR REPAIR OF EXISTIGN MASONRY PARAPETS OR COPINGS.

4. USE OF THIS DETAIL FOR CONDITIONS OTHER THAN THOSE INDICATED ABOVE MUST BE APPROVED BY THE NJSDA.



1 DRIP EDGE DETAIL

N.T.S.



SECTION THRU WALL

LONGITUDINAL SECTION

A COPING STONE DETAIL

0 6" 1' 2'

SCALE: 1" = 1'-0"

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: LL

Revision: -

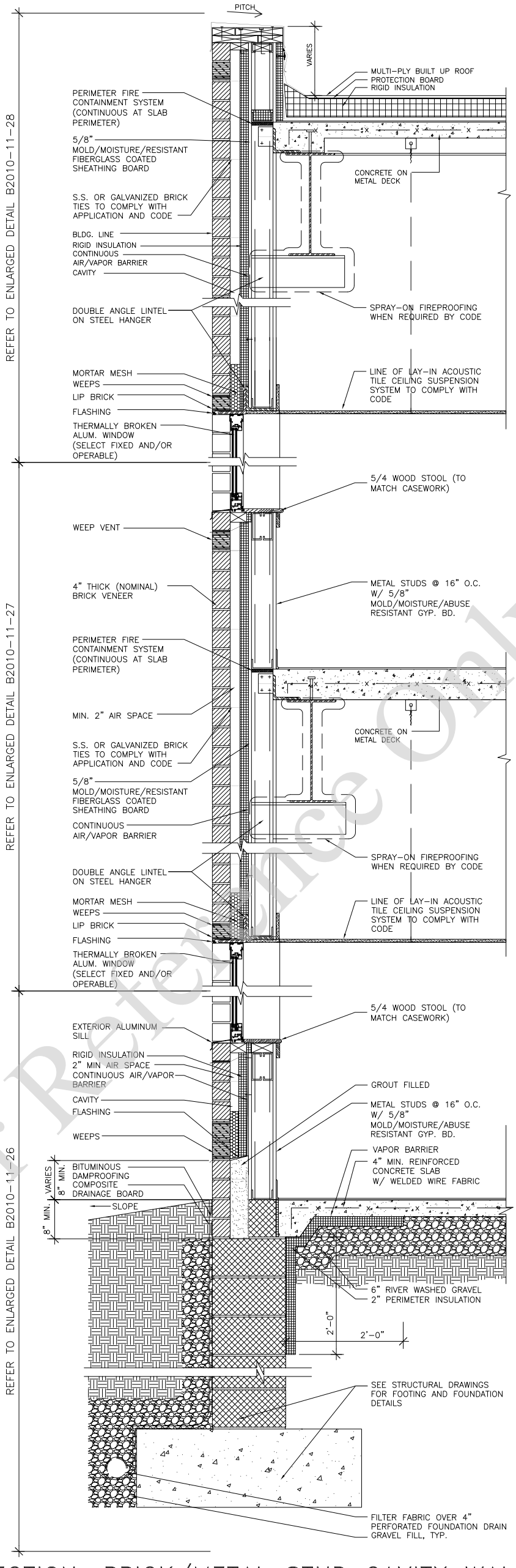
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

PARTIAL SECTION: BRICK OR CMU VENEER COPING STONE DETAIL

B2010-11-24



A SECTION: BRICK/METAL STUD CAVITY WALL

0 6" 1' 2' 4'

SCALE: 1/2" = 1'-0"

1. USE THIS DETAIL FOR TYPICAL EXTERIOR WALLS REQUIRING PARAPETS.

2. COORDINATE WITH STRUCTURAL DRAWINGS, ARCHITECTURAL PLANS AND BUILDING ELEVATIONS.

3. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

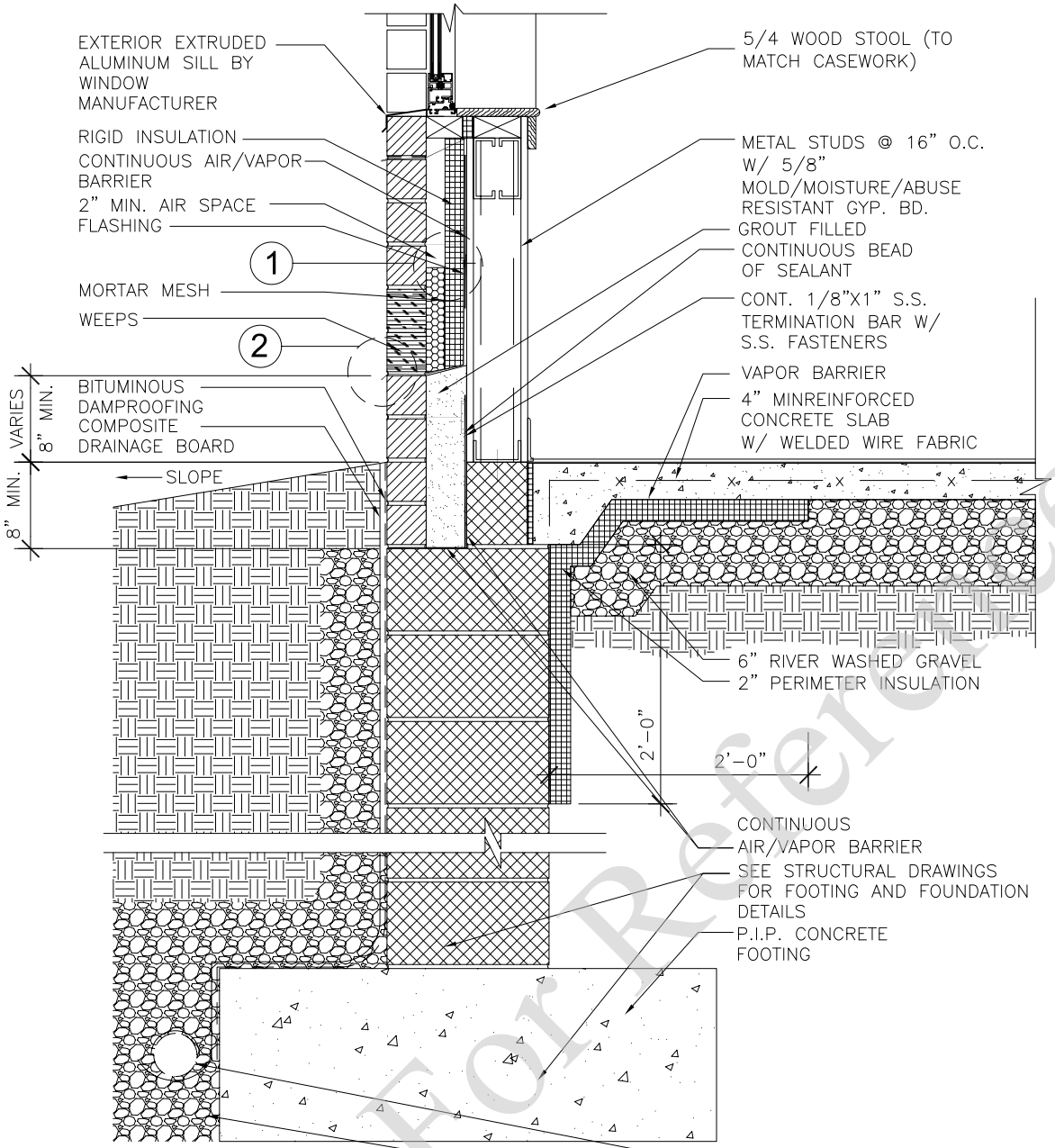
4. DESIGN OF COPING STONE HEIGHT AND CONFIGURATION MAY VARY FOR AESTHETIC CONDITIONS.

5. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED WHEN REQUIRED W/ STEEL RE-BARS FOR SEISMIC AND OTHER FORCES PER PRESIDING CODES. DESIGNER IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS	Drawn by: AR	Revision: -	NOT FOR CONSTRUCTION REFER TO DISCLAIMER	B2010-11-25
Date: 19 SEPTEMBER 2011	SECTION: BRICK CAVITY WALL W/ METAL STUD BACKUP			
Scale: AS NOTED				

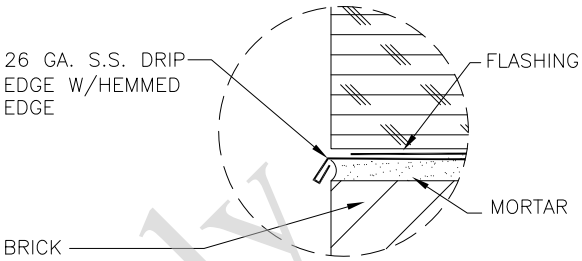


SECTION @ FOUNDATION:

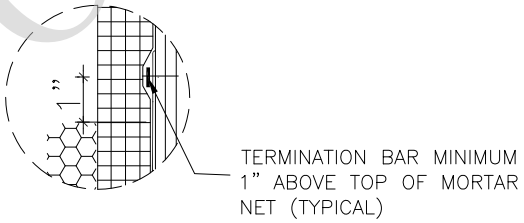
A BRICK/METAL STUD CAVITY WALL

0 6" 1' 2' 4'

SCALE: 3/4" = 1'-0"



2 FLASHING DETAIL
N.T.S.



1 TERMINATION BAR DETAIL
N.T.S.

1. USE THESE DETAILS AS A GUIDE FOR TYPICAL EXTERIOR WALL CONSTRUCTION. MODIFY TO SUIT PROJECT CONDITIONS.

2. REFER TO NJSDA DESIGN REQUIREMENT B 2011 EXTERIOR MASONRY WALL FOR EXTERIOR WALL CONSTRUCTION.

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCHITECTUAL FLOOR PLANS.

4. REFER TO THE NJSDA DESIGN REQUIREMENTS FOR A10 DAMPPROOFING/ A20 WATERPROOFING REQUIREMENTS.

5. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY.

6. ARCHITECT AND STRUCTURAL ENGINEER TO DESIGN EXTERIOR WALL AND ALL OF ITS COMPONENTS TO COMPLY WITH ALL PRESIDING CODES.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: AMR

Revision: -

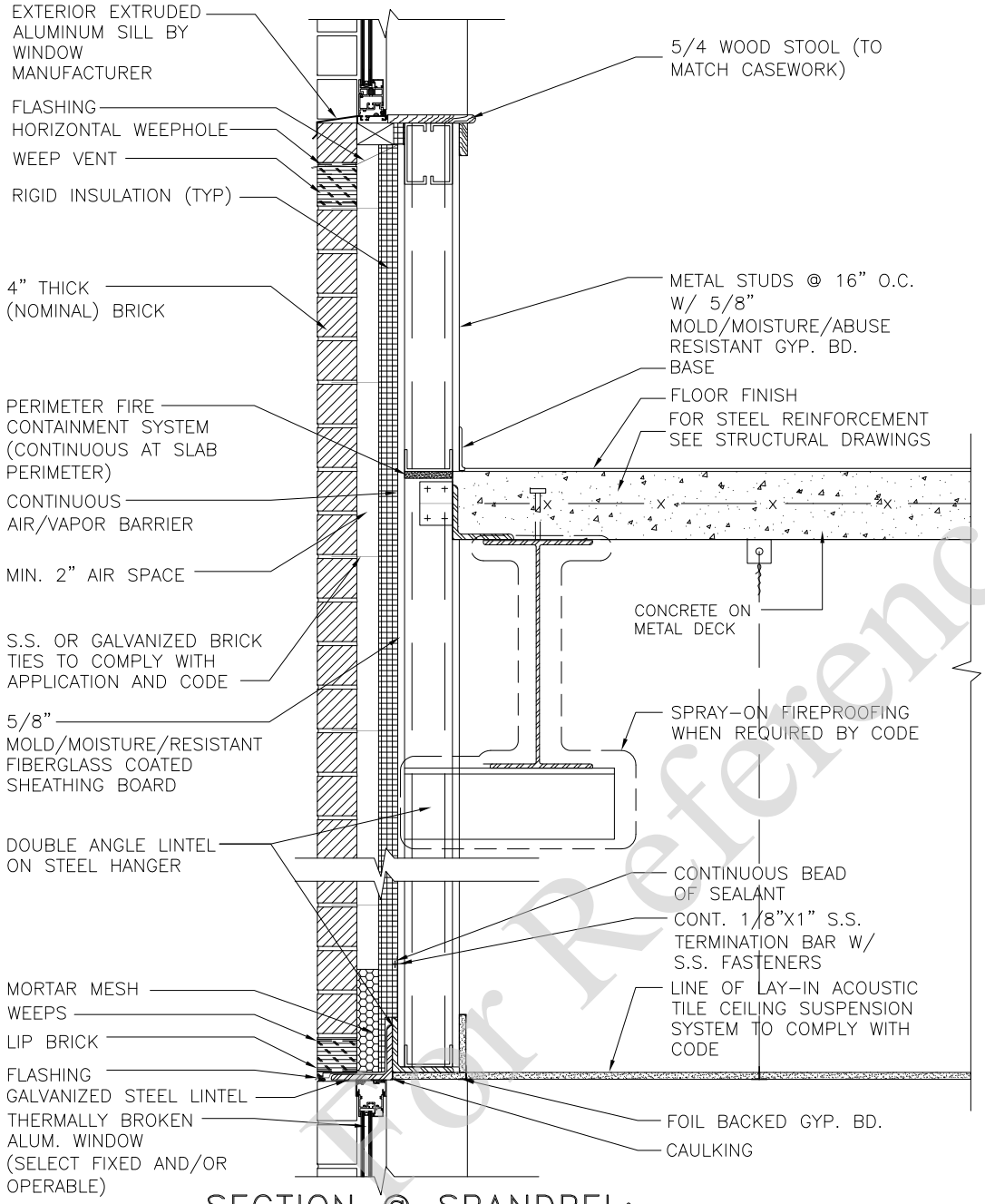
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

SECTION @ FOUNDATION: BRICK EXT. CAVITY WALL W/MTL. STUD BACKUP

B2010-11-26



SECTION @ SPANDREL:

A BRICK/METAL STUD CAVITY WALL

0 6" 1' 2' 4'

SCALE: 3/4" = 1'-0"

1. USE THESE DETAILS AS A GUIDE FOR TYPICAL EXTERIOR WALL CONSTRUCTION. MODIFY TO SUIT PROJECT CONDITIONS.

2. REFER TO NJSDA DESIGN REQUIREMENT B 2011 EXTERIOR MASONRY WALL FOR EXTERIOR WALL CONSTRUCTION.

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCHITECTUAL FLOOR PLANS.

4. REFER TO THE NJSDA DESIGN REQUIREMENTS FOR A10 DAMPPROOFING/ A20 WATERPROOFING REQUIREMENTS.

5. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY.

6. ARCHITECT AND STRUCTURAL ENGINEER TO DESIGN EXTERIOR WALL AND ALL OF ITS COMPONENTS TO COMPLY WITH ALL PRESIDING CODES.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: AMR

Revision: -

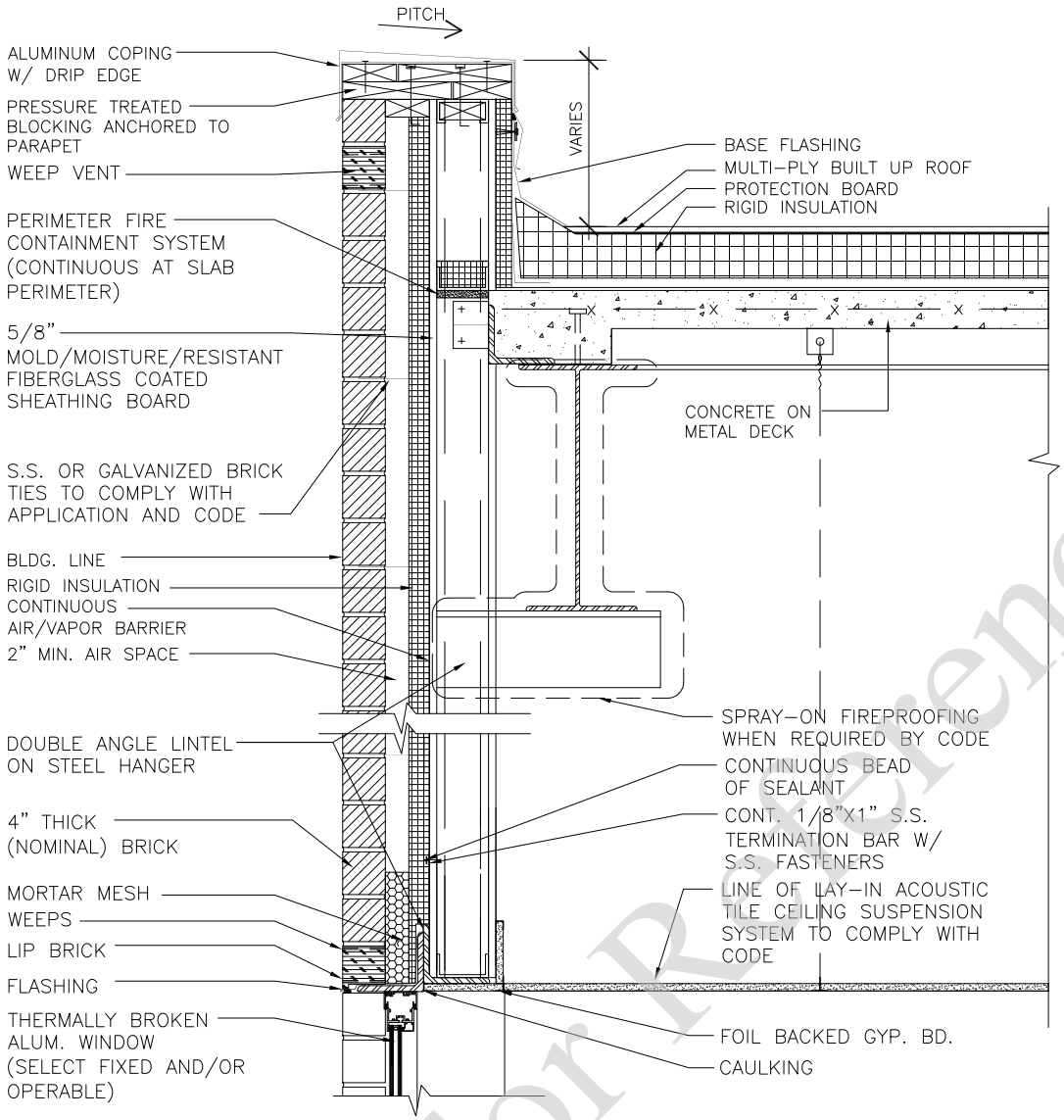
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

SECT. @ SPANDREL: BRICK/MTL. STUD MASONRY OPENINGS 8'-0" OR LESS

B2010-11-27



SECTION @ PARAPET:

A BRICK/METAL STUD CAVITY WALL

0 6" 1' 2' 4'

SCALE: 3/4" = 1'-0"

1. USE THESE DETAILS AS A GUIDE FOR TYPICAL EXTERIOR WALL CONSTRUCTION. MODIFY TO SUIT PROJECT CONDITIONS.

2. REFER TO NJSDA DESIGN REQUIREMENT B 2011 EXTERIOR MASONRY WALL FOR EXTERIOR WALL CONSTRUCTION.

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCHITECTUAL FLOOR PLANS.

4. REFER TO THE NJSDA DESIGN REQUIREMENTS FOR A10 DAMPPROOFING/ A20 WATERPROOFING REQUIREMENTS.

5. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY.

6. ARCHITECT AND STRUCTURAL ENGINEER TO DESIGN EXTERIOR WALL AND ALL OF ITS COMPONENTS TO COMPLY WITH ALL PRESIDING CODES.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: AMR

Revision: -

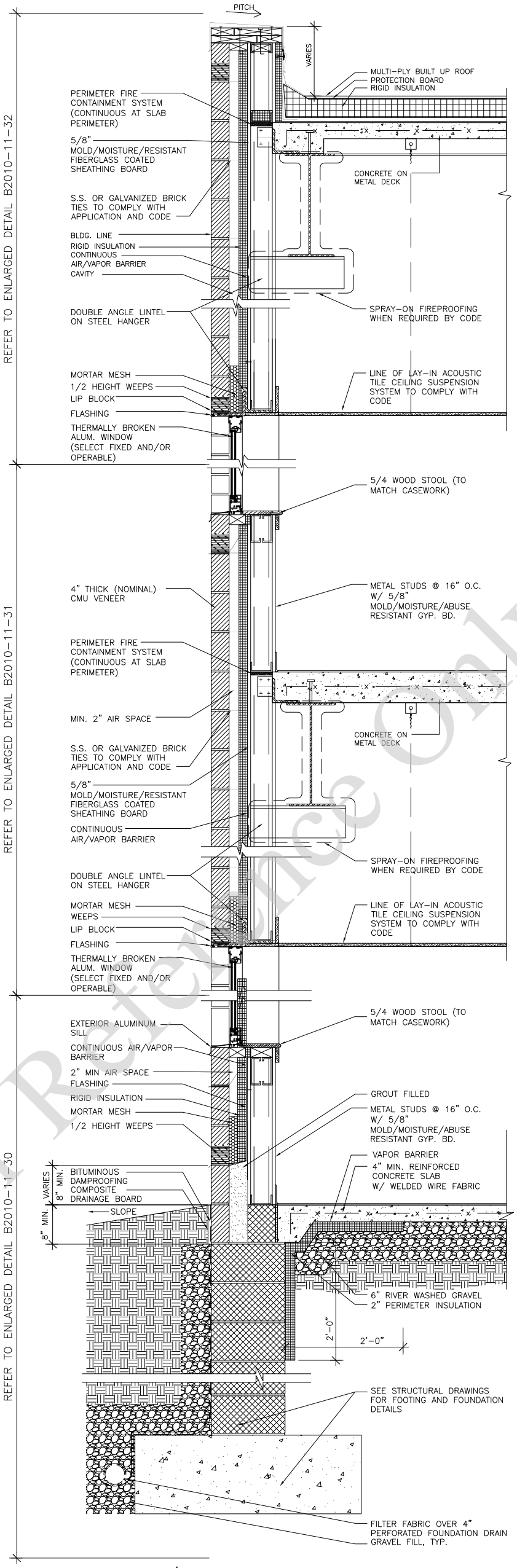
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

SECTION @ PARAPET: BRICK/MTL. STUDCAVITY WALL

B2010-11-28



A SECTION: CMU/METAL STUD CAVITY WALL

0 6" 1' 2' 4'

SCALE: 1/2" = 1'-0"

1. USE THIS DETAIL FOR TYPICAL EXTERIOR WALLS REQUIRING PARAPETS.

2. COORDINATE WITH STRUCTURAL DRAWINGS, ARCHITECTURAL PLANS AND BUILDING ELEVATIONS.

3. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NJSDA.

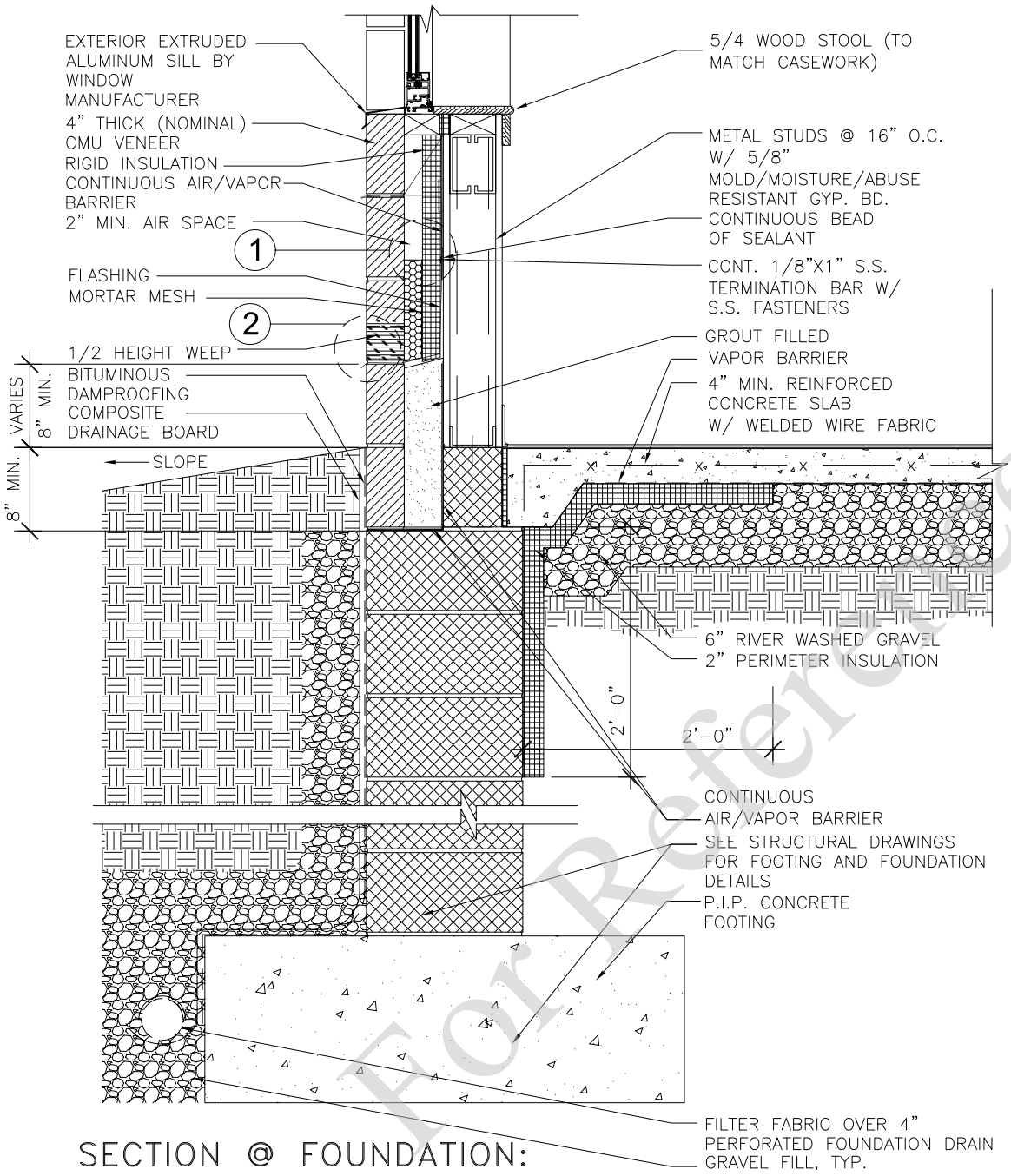
4. DESIGN OF COPING STONE HEIGHT AND CONFIGURATION MAY VARY FOR AESTHETIC CONDITIONS.

5. EXTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED WHEN REQUIRED W/ STEEL RE-BARS FOR SEISMIC AND OTHER FORCES PER PRESIDING CODES. DESIGNER IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS	Drawn by: AR	Revision: -	NOT FOR CONSTRUCTION REFER TO DISCLAIMER
Date: 19 SEPTEMBER 2011	SECTION: CMU CAVITY WALL W/ METAL STUD BACKUP		B2010-11-29
Scale: AS NOTED			

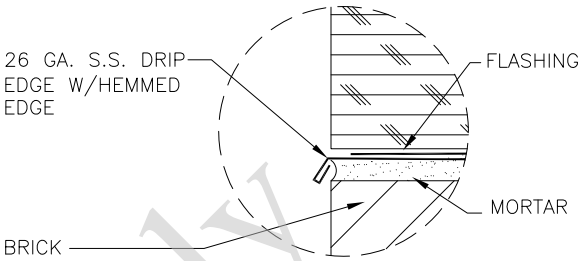


SECTION @ FOUNDATION:

A CMU/METAL STUD CAVITY WALL

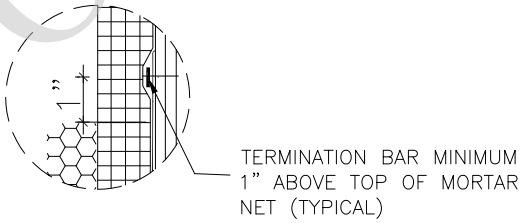
0 6" 1' 2' 4'

SCALE: 3/4" = 1'-0"



2 FLASHING DETAIL

N.T.S.



1 TERMINATION BAR DETAIL

N.T.S.

1. USE THESE DETAILS AS A GUIDE FOR TYPICAL EXTERIOR WALL CONSTRUCTION. MODIFY TO SUIT PROJECT CONDITIONS.

2. REFER TO NJSDA DESIGN REQUIREMENT B 2011 EXTERIOR MASONRY WALL FOR EXTERIOR WALL CONSTRUCTION.

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCHITECTUAL FLOOR PLANS.

4. REFER TO THE NJSDA DESIGN REQUIREMENTS FOR A10 DAMPPROOFING/ A20 WATERPROOFING REQUIREMENTS.

5. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY.

6. ARCHITECT AND STRUCTURAL ENGINEER TO DESIGN EXTERIOR WALL AND ALL OF ITS COMPONENTS TO COMPLY WITH ALL PRESIDING CODES.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: AMR

Revision: -

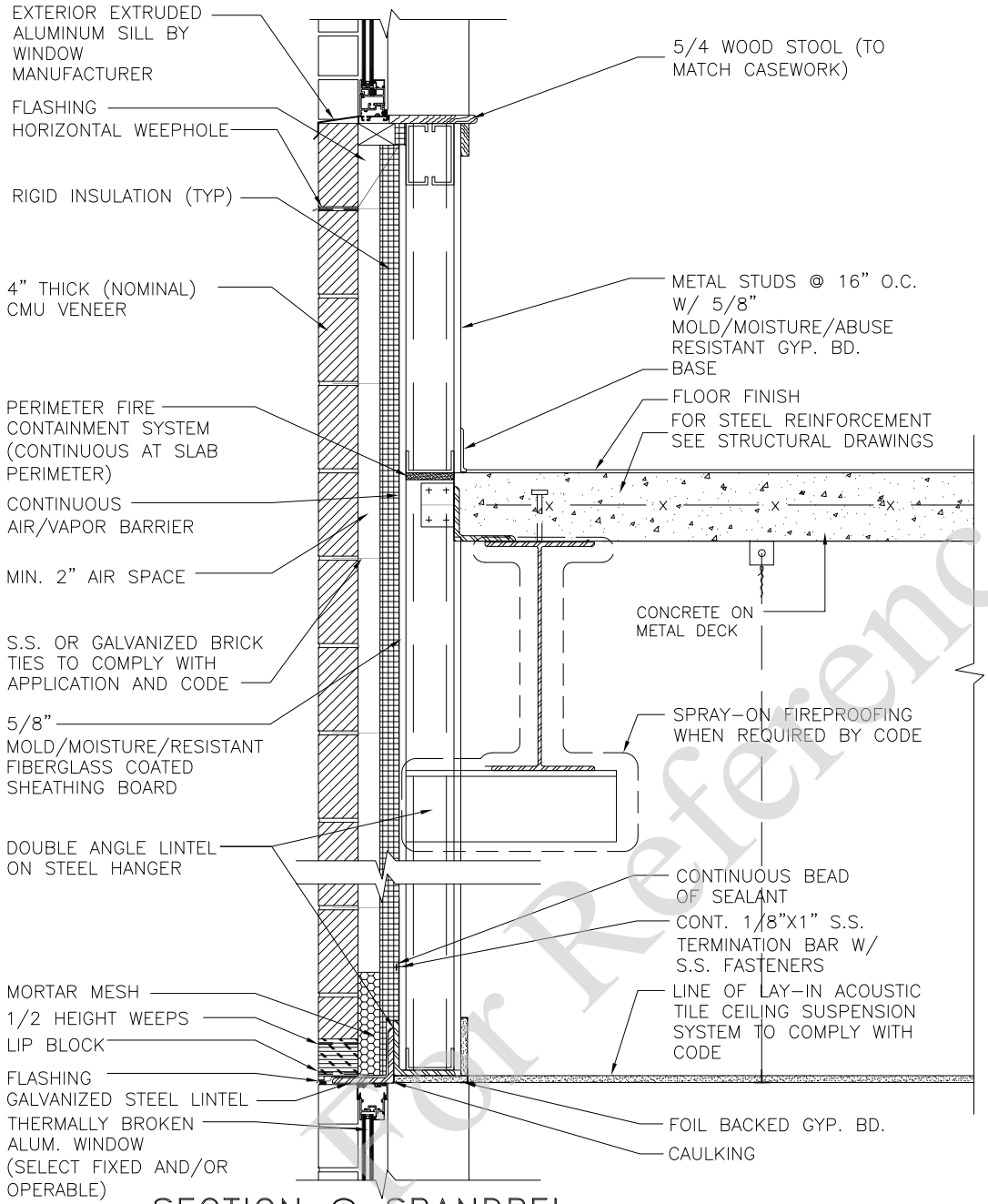
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

SECTION @ FOUNDATION: CMU EXT. CAVITY WALL W/MTL. STUD BACKUP

B2010-11-30



SECTION @ SPANDREL:

A CMU/METAL STUD CAVITY WALL

0 6" 1' 2' 4'

SCALE: 3/4" = 1'-0"

1. USE THESE DETAILS AS A GUIDE FOR TYPICAL EXTERIOR WALL CONSTRUCTION. MODIFY TO SUIT PROJECT CONDITIONS.

2. REFER TO NJSDA DESIGN REQUIREMENT B 2011 EXTERIOR MASONRY WALL FOR EXTERIOR WALL CONSTRUCTION.

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCHITECTUAL FLOOR PLANS.

4. REFER TO THE NJSDA DESIGN REQUIREMENTS FOR A10 DAMPPROOFING/ A20 WATERPROOFING REQUIREMENTS.

5. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY.

6. ARCHITECT AND STRUCTURAL ENGINEER TO DESIGN EXTERIOR WALL AND ALL OF ITS COMPONENTS TO COMPLY WITH ALL PRESIDING CODES.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: AMR

Revision: -

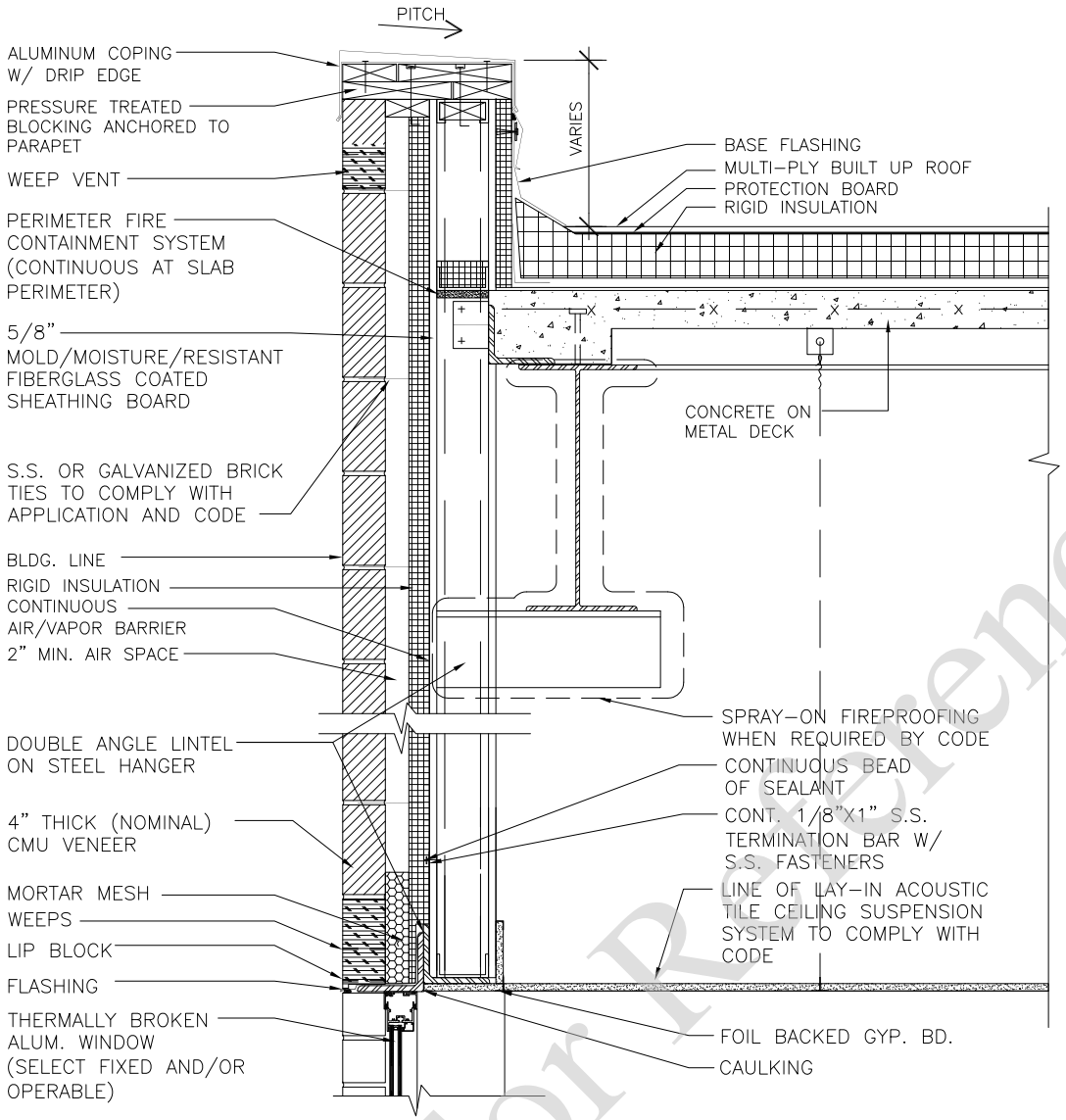
Date: 19 SEPTEMBER 2011

Scale: AS NOTED

NOT FOR CONSTRUCTION REFER TO DISCLAIMER

SECT. @ SPANDREL: BRICK/MTL. STUD MASONRY OPENINGS 8'-0" OR LESS

B2010-11-31



SECTION @ PARAPET:

A CMU/METAL STUD CAVITY WALL

0 6" 1' 2' 4'

SCALE: 3/4" = 1'-0"

1. USE THESE DETAILS AS A GUIDE FOR TYPICAL EXTERIOR WALL CONSTRUCTION. MODIFY TO SUIT PROJECT CONDITIONS.

2. REFER TO NJSDA DESIGN REQUIREMENT B 2011 EXTERIOR MASONRY WALL FOR EXTERIOR WALL CONSTRUCTION.

3. COORDINATE WITH STRUCTURAL DRAWINGS AND ARCHITECTUAL FLOOR PLANS.

4. REFER TO THE NJSDA DESIGN REQUIREMENTS FOR A10 DAMPPROOFING/ A20 WATERPROOFING REQUIREMENTS.

5. THE DESIGNER SHALL NOT VARY FROM THE INDICATED METHOD OF CONSTRUCTION WITHOUT APPROVAL FROM THE NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY.

6. ARCHITECT AND STRUCTURAL ENGINEER TO DESIGN EXTERIOR WALL AND ALL OF ITS COMPONENTS TO COMPLY WITH ALL PRESIDING CODES.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
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MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

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Scale: AS NOTED

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SECTION @ PARAPET: BRICK/MTL. STUDCAVITY WALL

B2010-11-32

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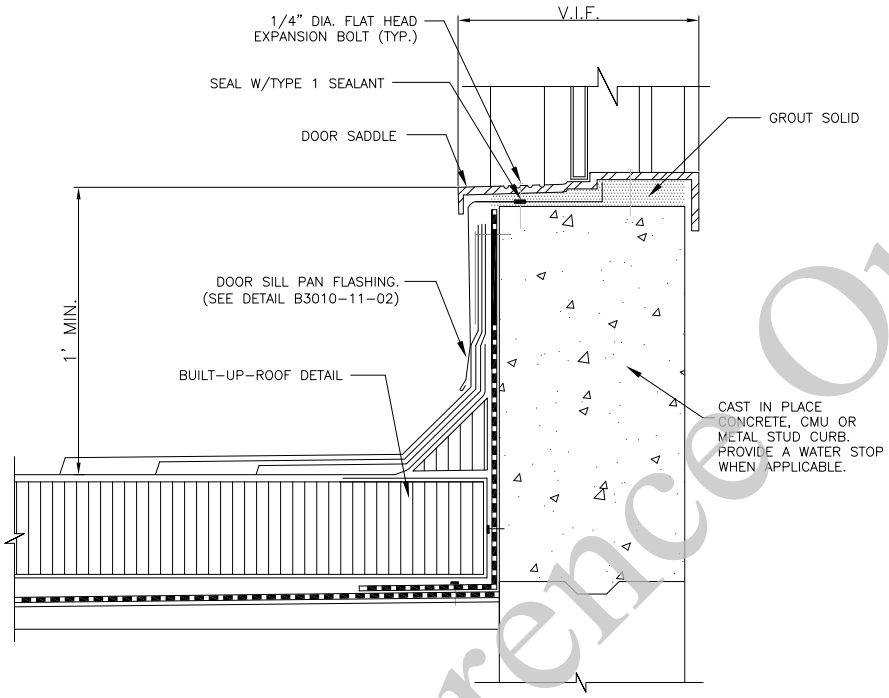
NJSDA Model Schools Program Materials and Systems Standards Manual

Construction Details Manual

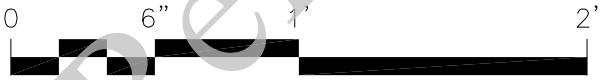
Section B30: Horizontal Exterior Enclosure

Issue Date: September 19, 2011



DOOR SADDLE: AT BULKHEAD CURB BUILDING TO ROOF: SBS MULTI-PLY ROOF DETAIL

A



SCALE: 1 1/2" = 1'-0"

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1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

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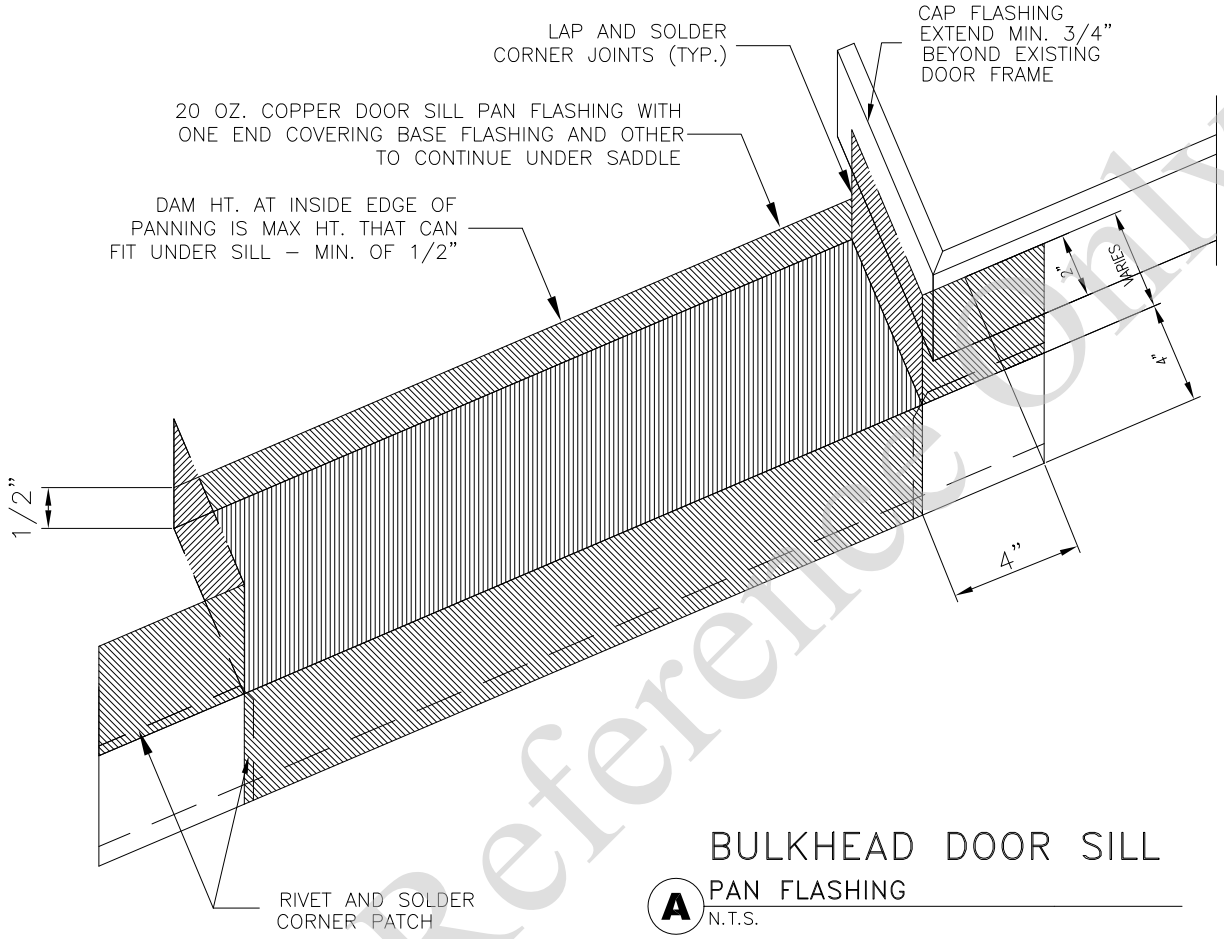
DOOR SADDLE

B3010-11-01



BULKHEAD DOOR SILL

A PAN FLASHING

N.T.S.

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1 WEST STATE STREET
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MATERIALS & SYSTEM STANDARDS

SDA Project #:	M&SS
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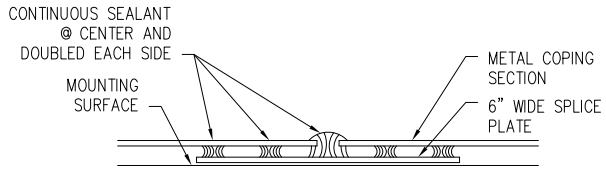
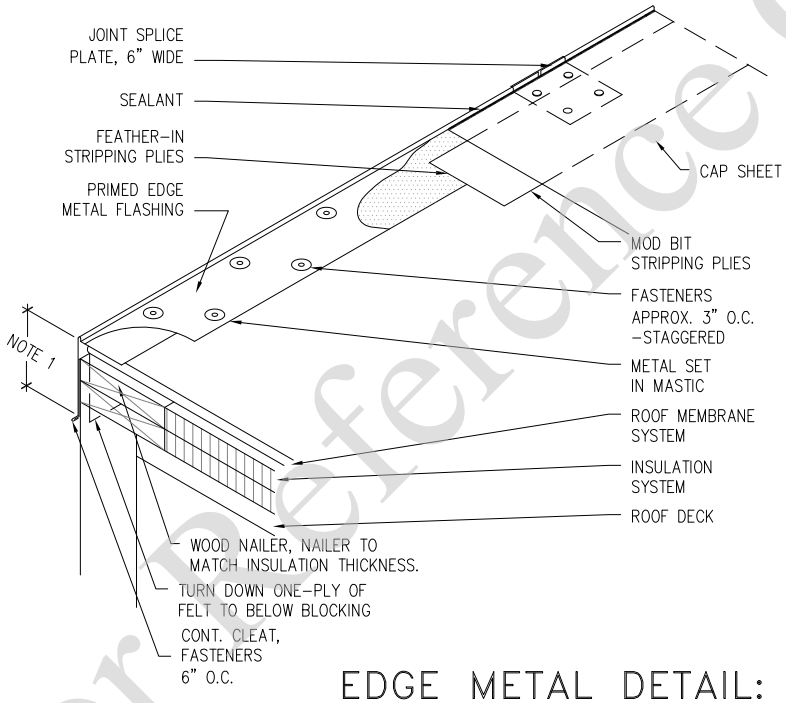
BULKHEAD DOOR SILL PAN FLASHING	
B3010-11-02	



TYPICAL SECTION
B AT SPLICE PLATE
N.T.S.



EDGE METAL DETAIL:
A SBS MULTI-PLY ROOF
N.T.S.

NOTES:

1. FIELD VERIFY REQ'D FASCIA DIMENSION. EXTEND MIN. 1" OVER TOP OF FINISHED EXTERIOR WALL MATERIAL.

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MATERIALS & SYSTEM STANDARDS

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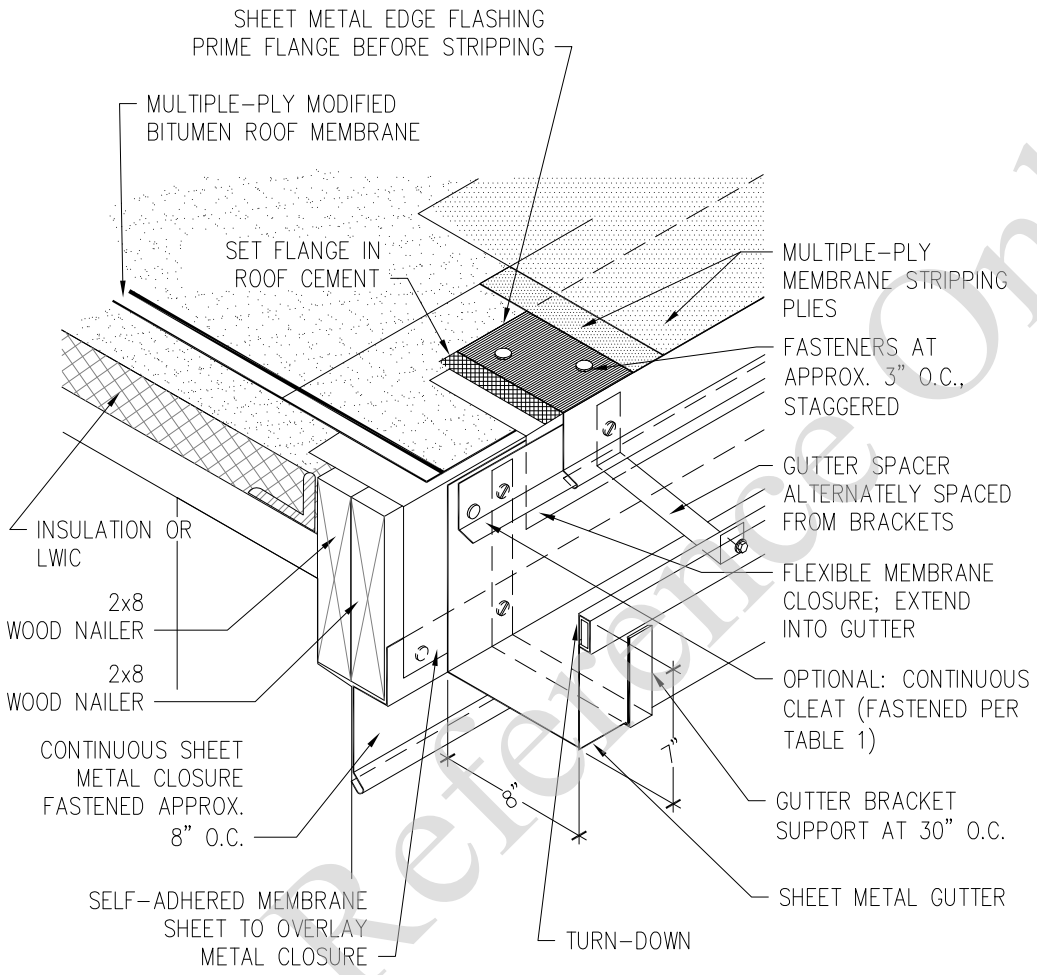
EDGE METAL DETAIL	
B3010-11-03	



A ROOF EDGE W/ GUTTER: SBS MULTI-PLY ROOF

N.T.S.

NOTES:

1. ATTACH WOOD FASCIA NAILER W/ (2) ROWS, RECESSED LAG BOLTS, 18" O.C.

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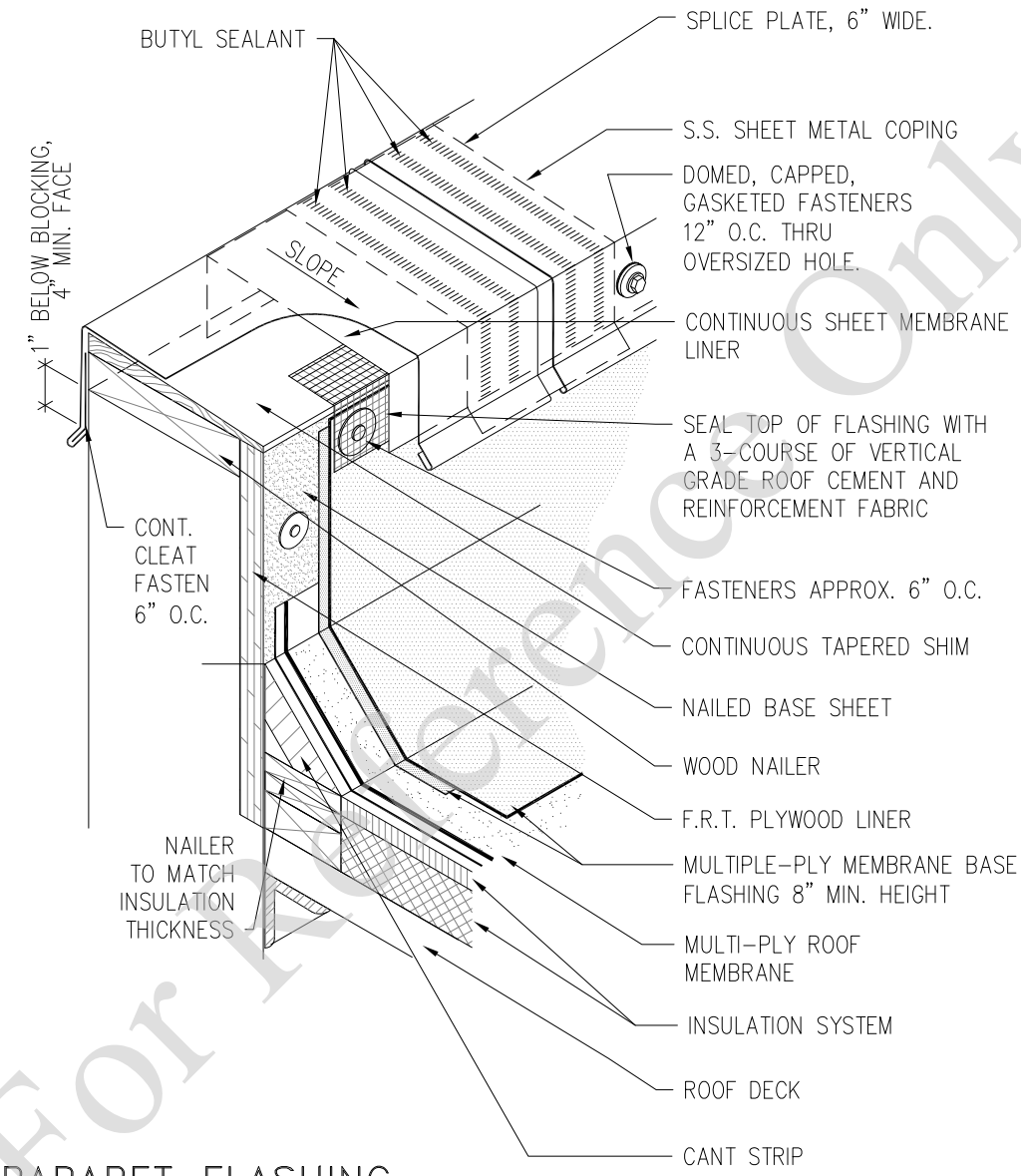
ROOF EDGE W/GUTTER

B3010-11-04



A PARAPET FLASHING ASSEMBLY, TYP.: SBS MULTI-PLY ROOF

N.T.S.

NOTES:

1. FIELD VERIFY COPING DIMENSIONS.

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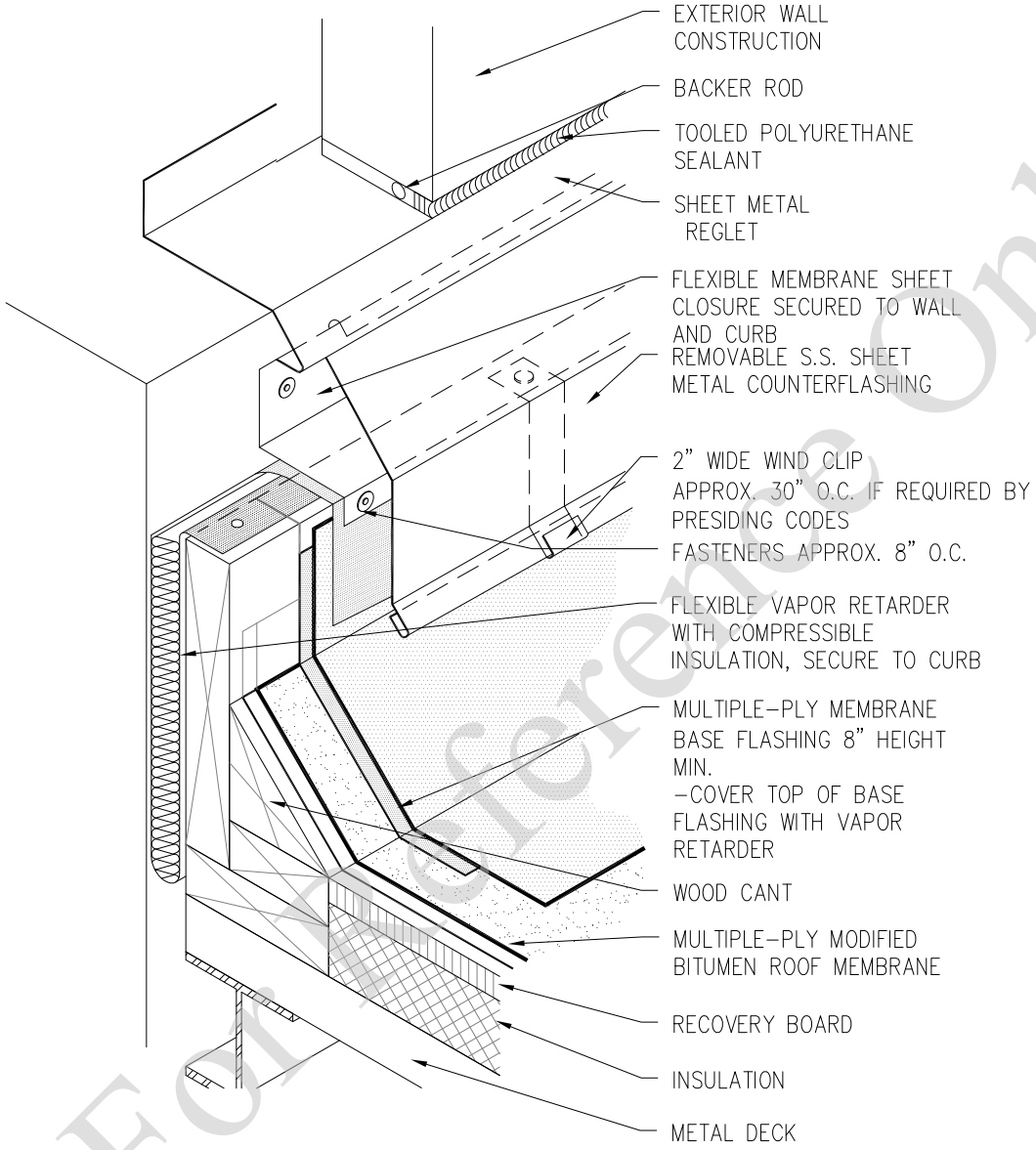
PARAPET FLASHING ASSEMBLY, TYP.

B3010-11-05



BASE FLASHING @ WALL EXP. JOINT: SBS MULTI-PLY ROOF

A N.T.S.

NOTES:

1. SCREW FASTEN COUNTERFLASHING TO REGLET WHERE REGLET DAMAGE CAN OCCUR OR SECURE FOLDED LOCK CAN NOT BE OBTAINED.

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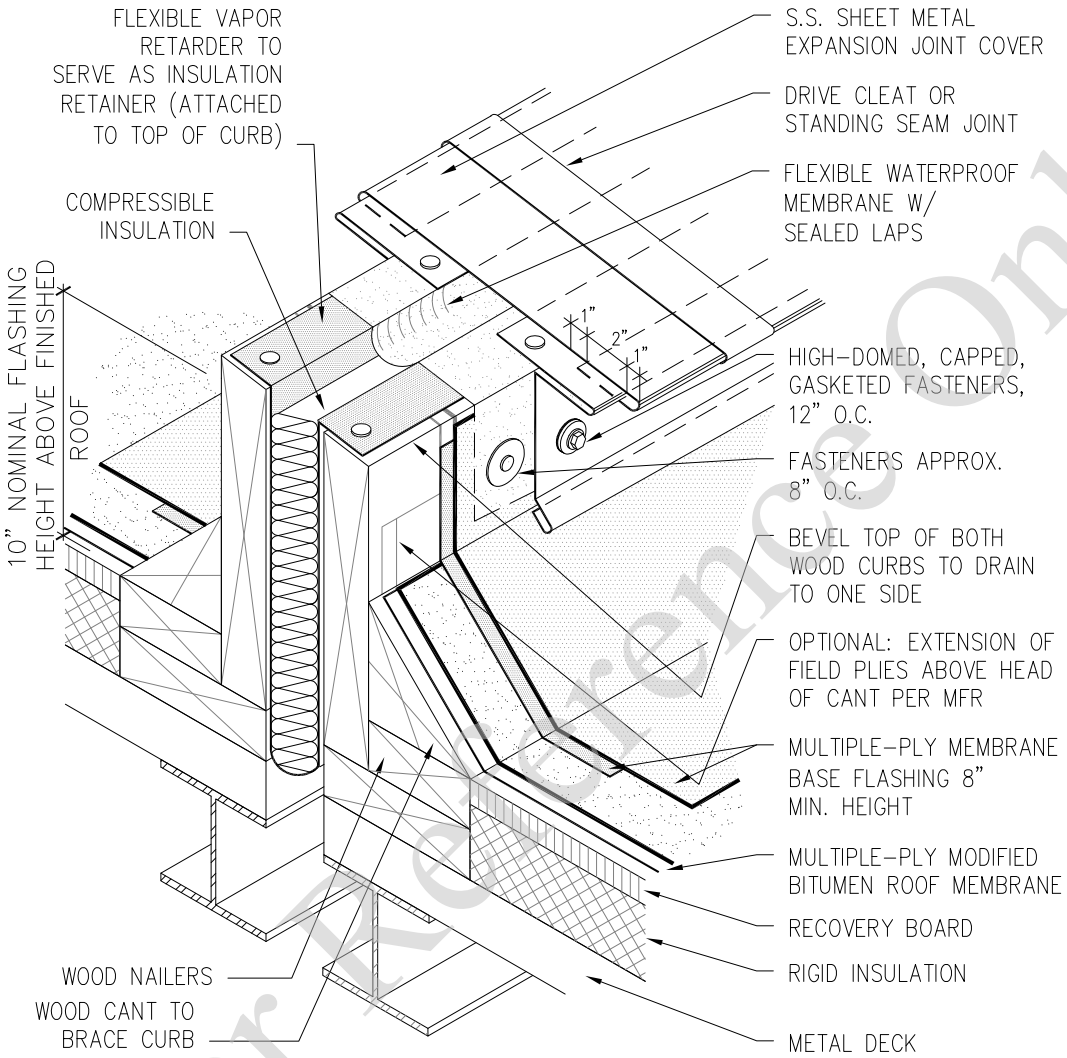
BASE FLASHING @ WALL EXP. JOINT

B3010-11-06



A EXPANSION JOINT WITH METAL COVER: SBS MULTI-PLY ROOF

N.T.S.

NOTES:

1. EXPANSION JOINT SHALL ACCOMMODATE MIN. 1" MOVEMENT.

2. FLASHING REQUIREMENTS TYPICAL FOR BOTH SIDES OF EXPANSION JOINT.

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MATERIALS & SYSTEM STANDARDS

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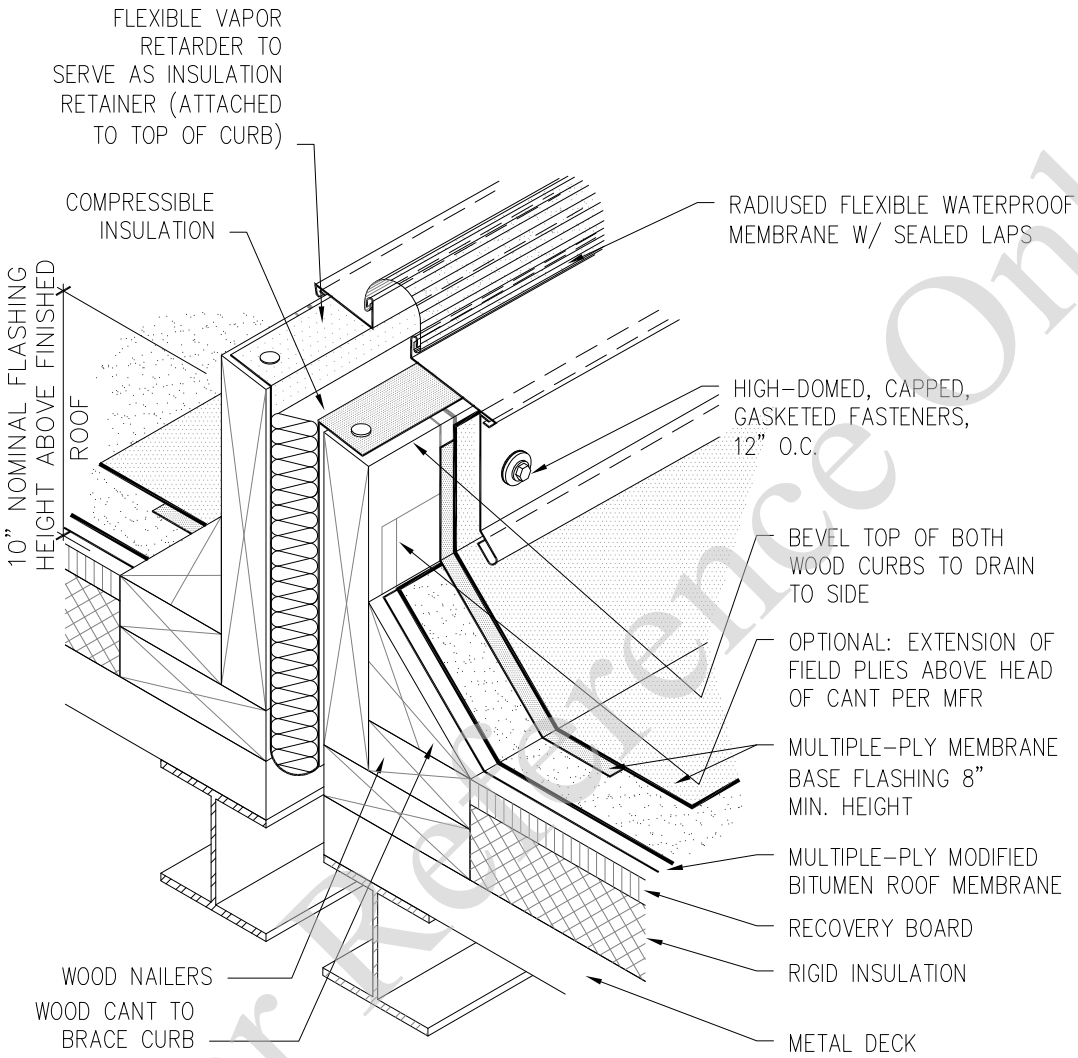
EXPANSION JOINT WITH METAL COVER

B3010-11-07



A EXPANSION JOINT WITH NEOPRENE COVER: SBS MULTI-PLY ROOF

N.T.S.

NOTES:

1. EXPANSION JOINT SHALL ACCOMMODATE MIN. 1" MOVEMENT.

2. FLASHING REQUIREMENTS TYPICAL FOR BOTH SIDES OF EXPANSION JOINT.

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MATERIALS & SYSTEM STANDARDS

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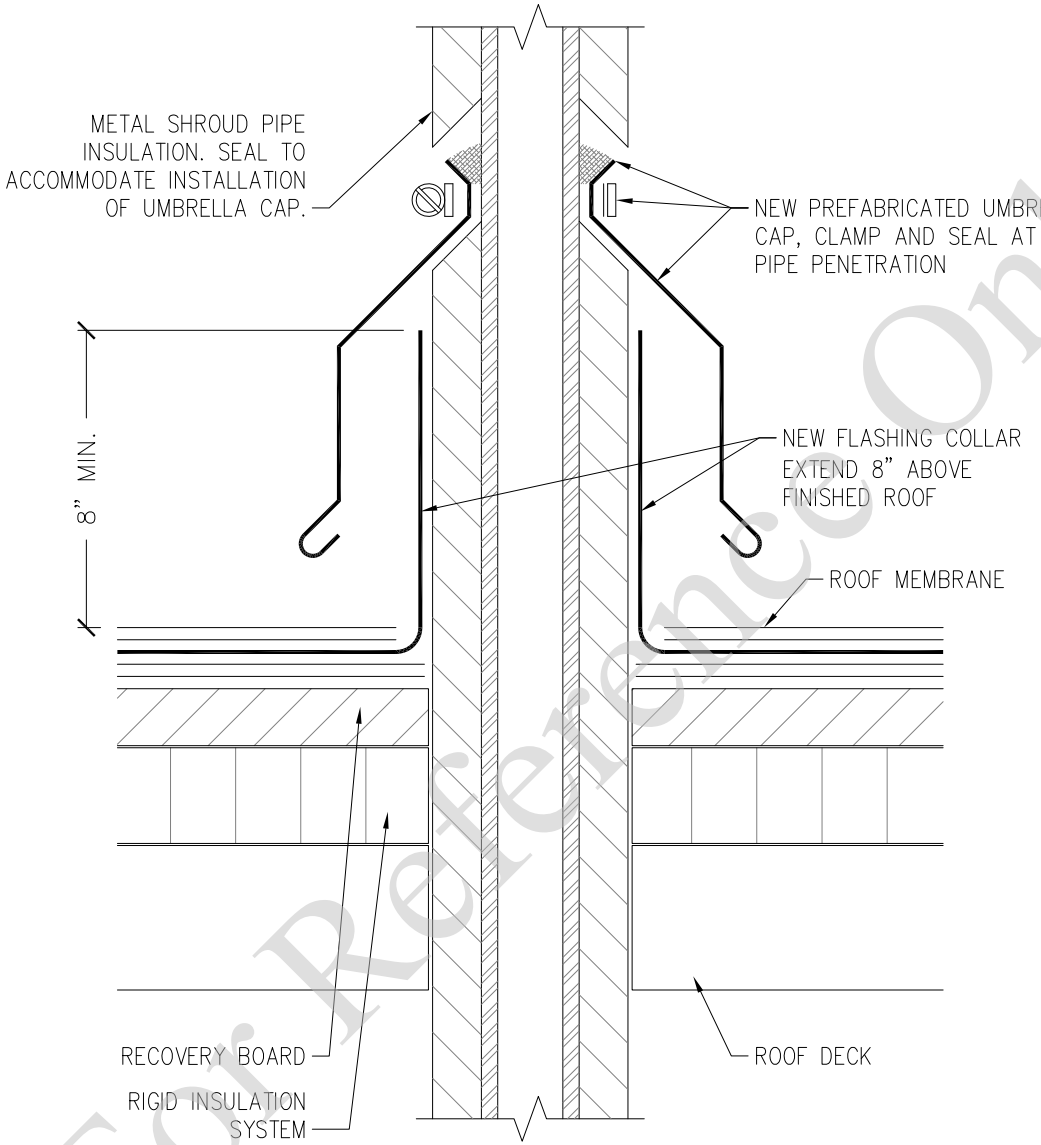
EXPANSION JOINT WITH NEOPRENE COVER

B3010-11-08



INSULATED PIPE PENETRATION: SBS MULTI-PLY ROOF

A N.T.S.

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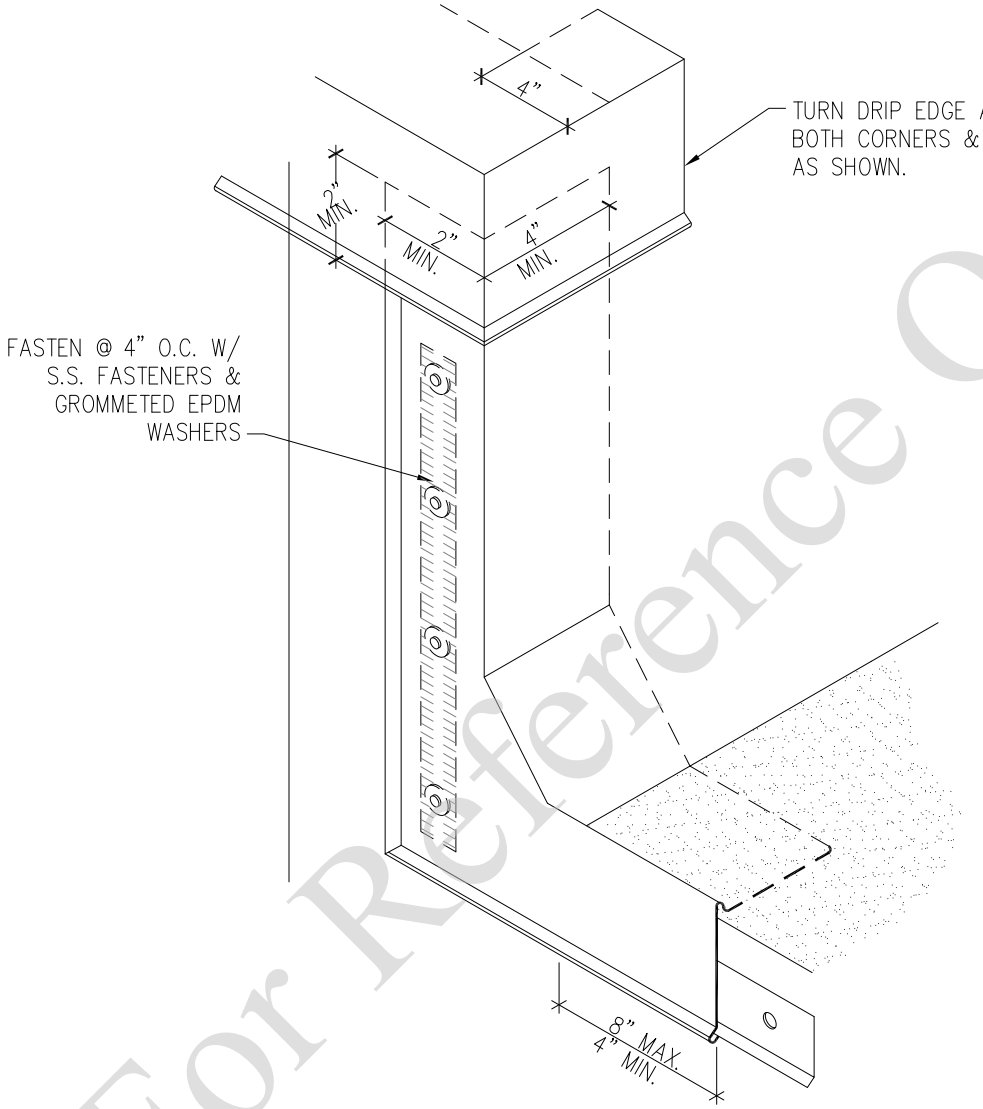
INSULATED PIPE PENETRATION

B3010-11-09



A EAVE WALL CLOSURE: SBS MULTI-PLY ROOF

N.T.S.

NOTES:

1. INSTALL EAVE CLOSURE OVER FINISHED INTERPLIES. STRIP IN & INSTALL GRANULATED CAP MEMBRANE.

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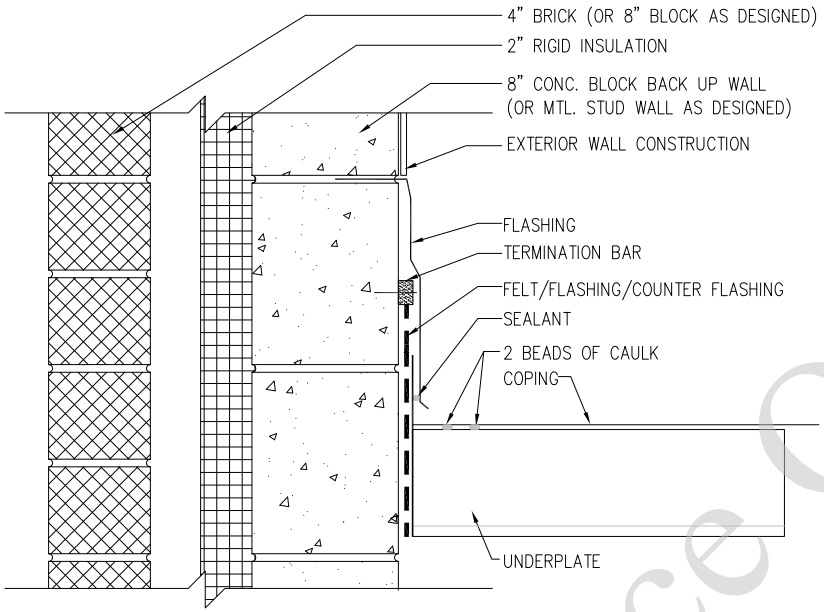
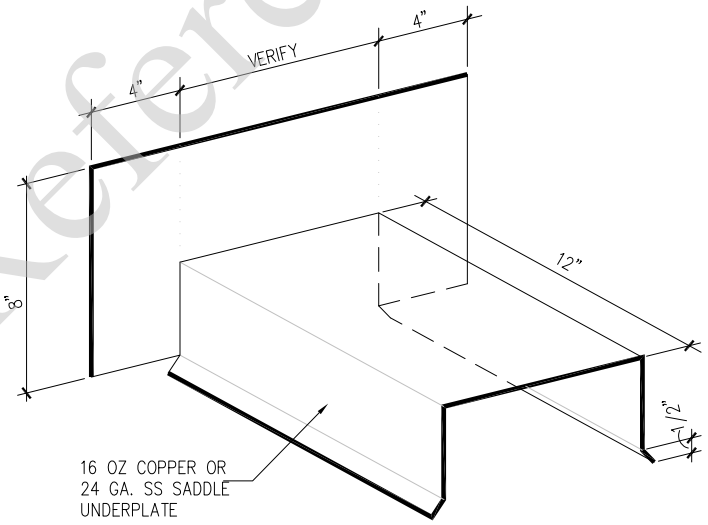
EAVE WALL CLOSURE	
B3010-11-10	



B SECTION AT EXTERIOR WALL TRANSITION TO LOWER WALL

N.T.S.



A COPING SADDLE AT WALL

N.T.S.

NOTES:

1. INSTALL SADDLE PRIOR TO INSTALLING WALL UNDERLAYMENT & FINISH SYSTEM.

2. INSTALL COPING MEMBRANE PRIOR TO INSTALLING SADDLE.

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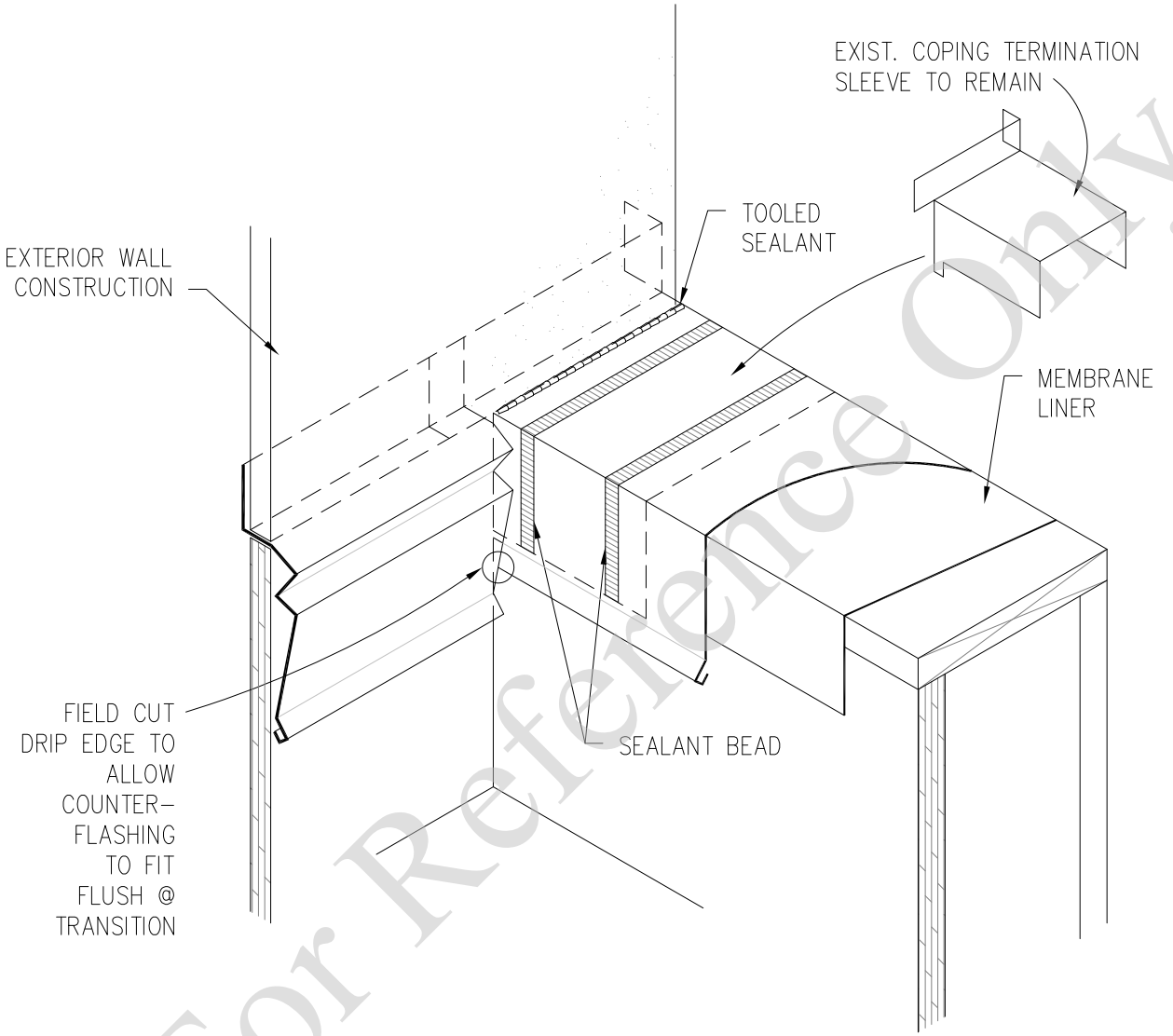
COPING SADDLE AT WALL

B3010-11-11



A COPING TERMINATION, TYP.
N.T.S.

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1 WEST STATE STREET
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MATERIALS & SYSTEM STANDARDS

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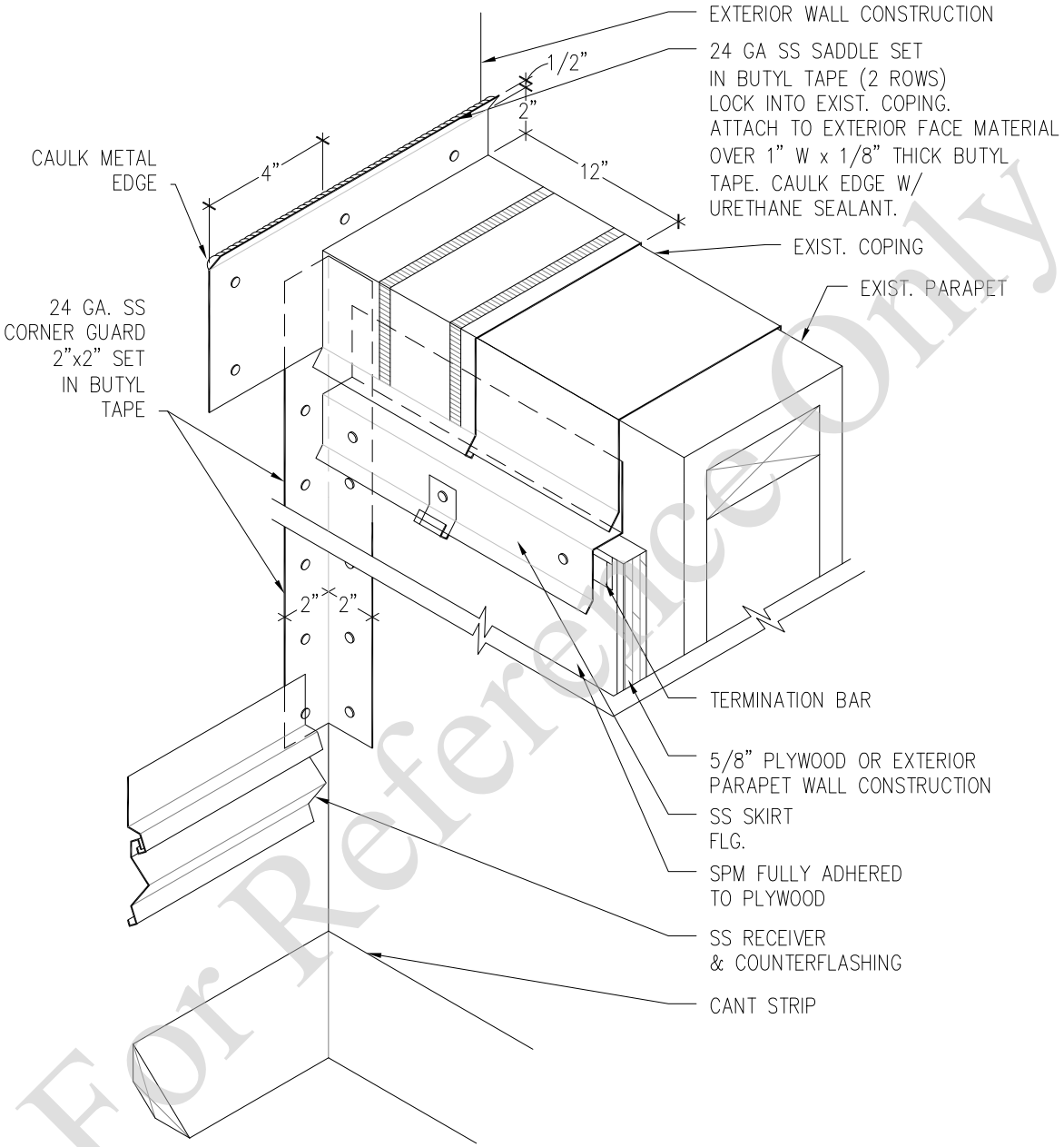
COPING TERMINATION, TYP.

B3010-11-12



A COPING / COUNTERFLASHING TERMINATION
N.T.S.

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1 WEST STATE STREET
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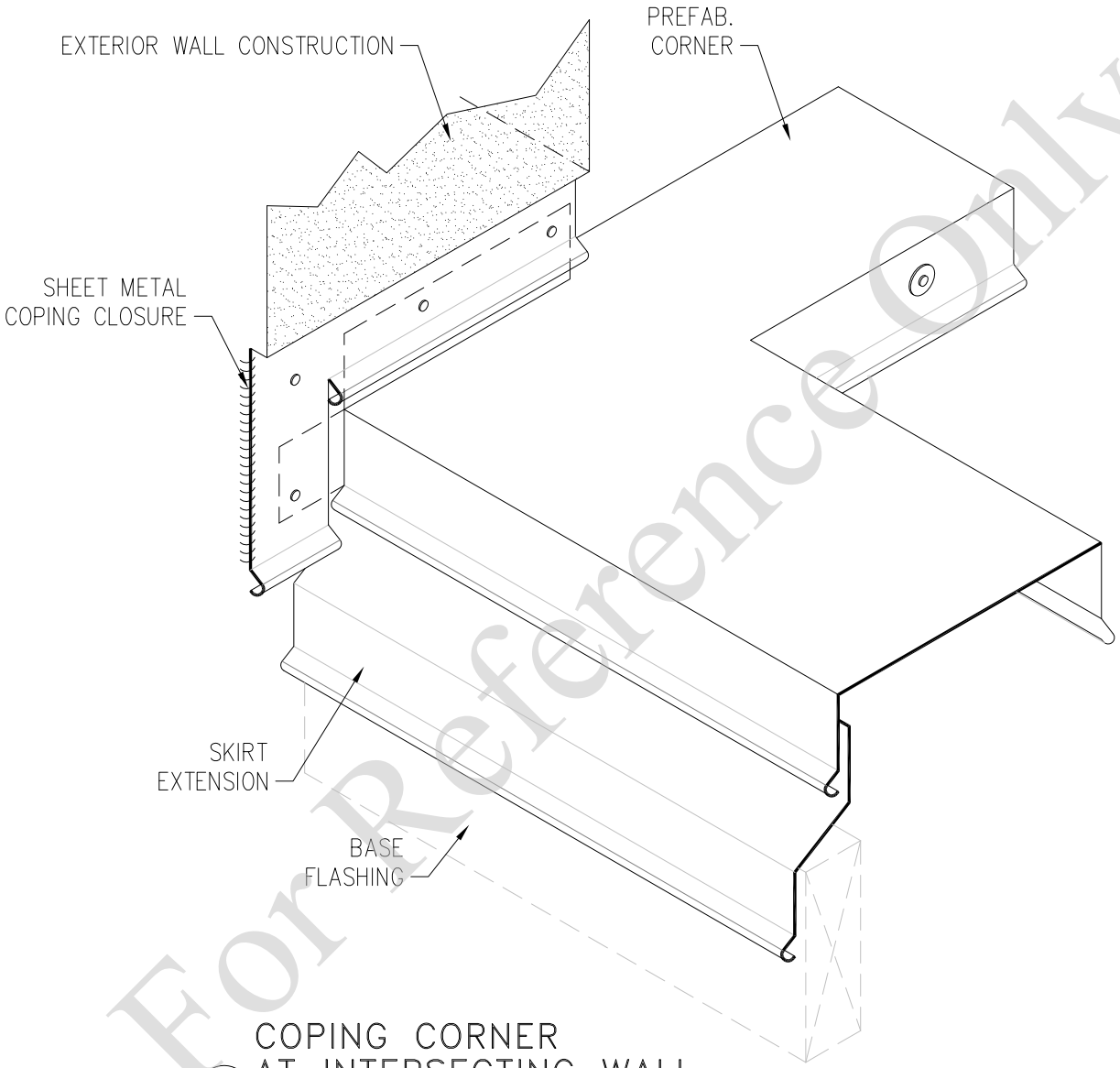
COPING / COUNTERFLASHING TERMINATION

B3010-11-13



A COPING CORNER AT INTERSECTING WALL

N.T.S.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

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COPING CORNER AT WALL	
B3010-11-14	

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Section C: Interiors

Issue Date: September 19, 2011

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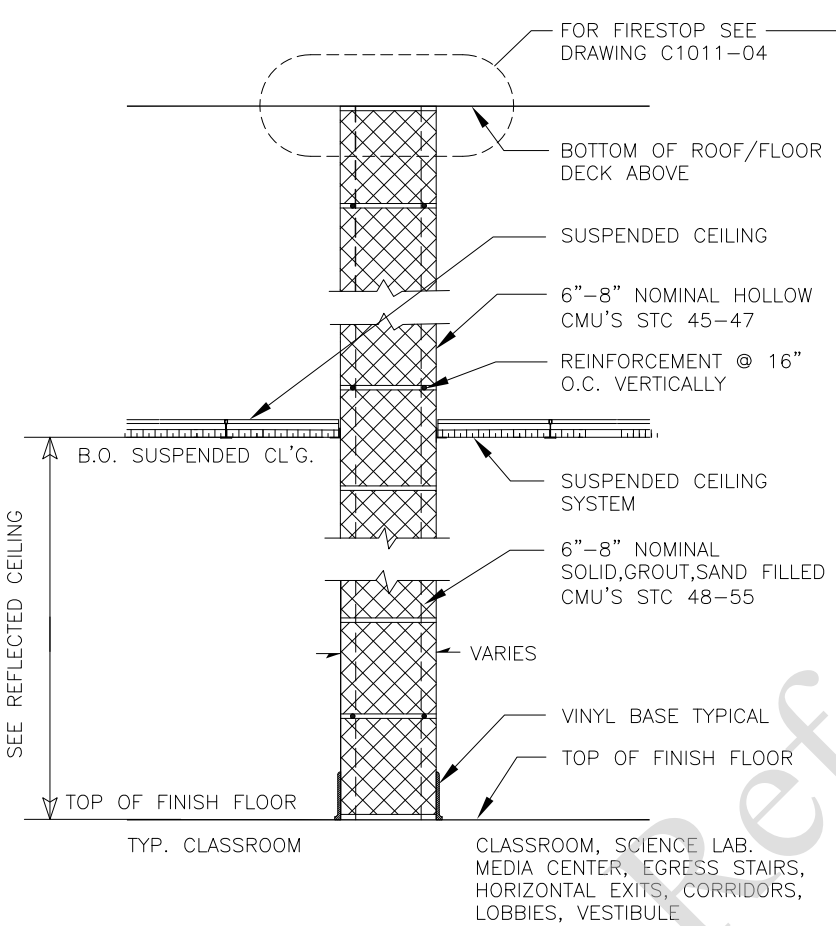
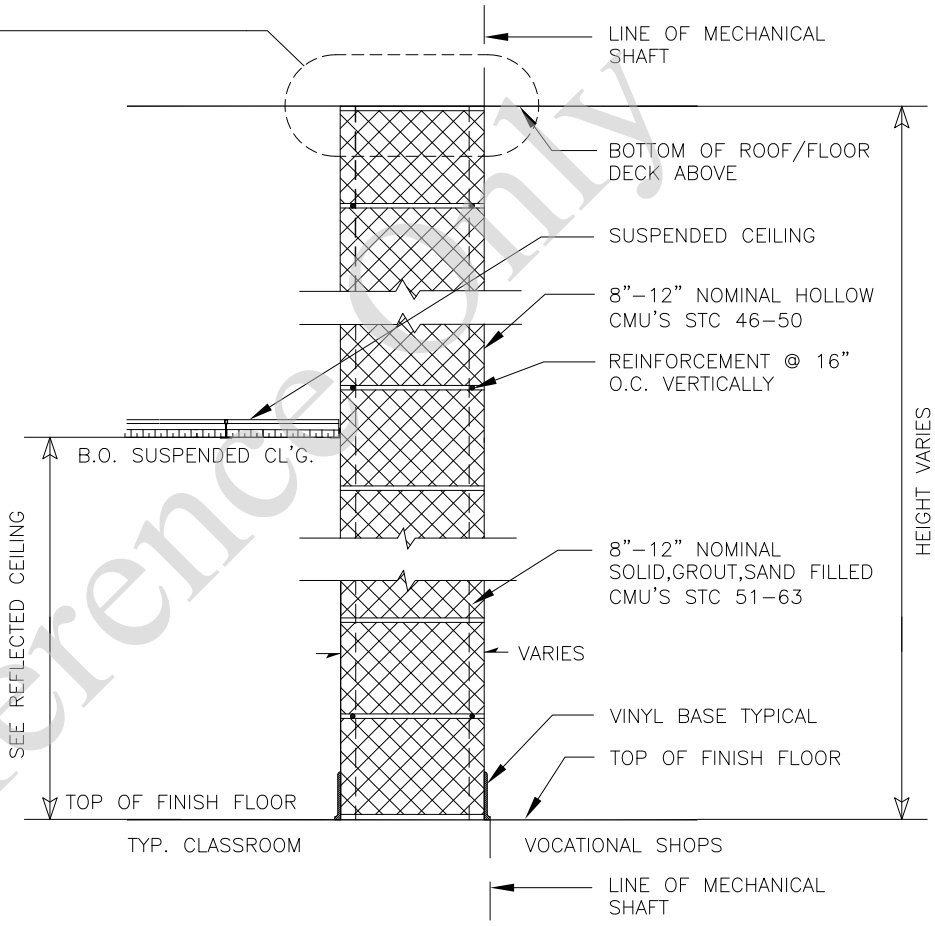
Construction Details Manual

Section C10: Interior Construction

Issue Date: September 19, 2011



1 PARTITION/INTERIOR CMU 6"-8" MIN.
STC 45-50 RANGE
(50 PREFERRED)



2 PARTITION/INTERIOR CMU 8"-12" MIN.
STC 50-60 RANGE
(60 PREFERRED)

SCALE: 3/4" = 1'-0"

1. USE THE APPROPRIATE C.M.U. WIDTH (6", 8" OR 12") TO PROVIDE THE NECESSARY FIRE SEPERATIONS / DIVISIONS BETWEEN SPACES AS PER BUILDING CODE.
2. ALL INTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED FOR SEISMIC FORCES AS PER NJIBC. DESIGN CONSULTANT IS RESPONSIBLE TO VERFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.
3. SEE C20 INTERIOR FINISHES FOR TYPICAL ROOM FINISHES.
4. PROVIDE CONTROL JOINTS PER C1010-05.

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MATERIALS & SYSTEM STANDARDS

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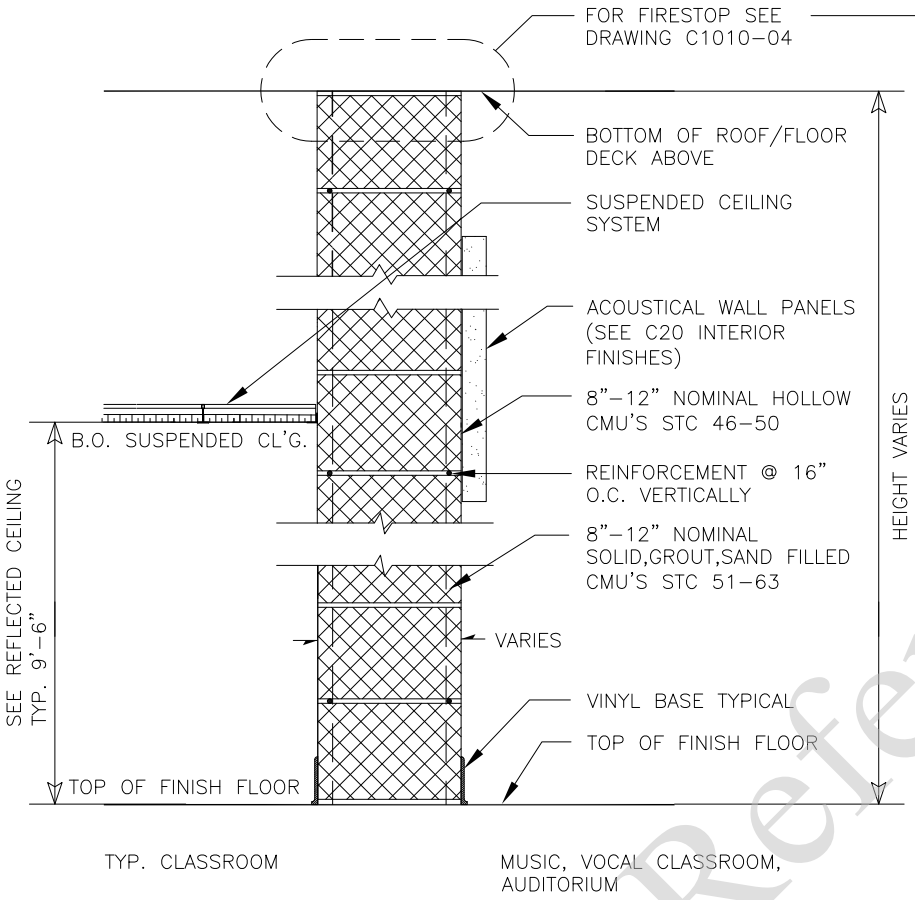
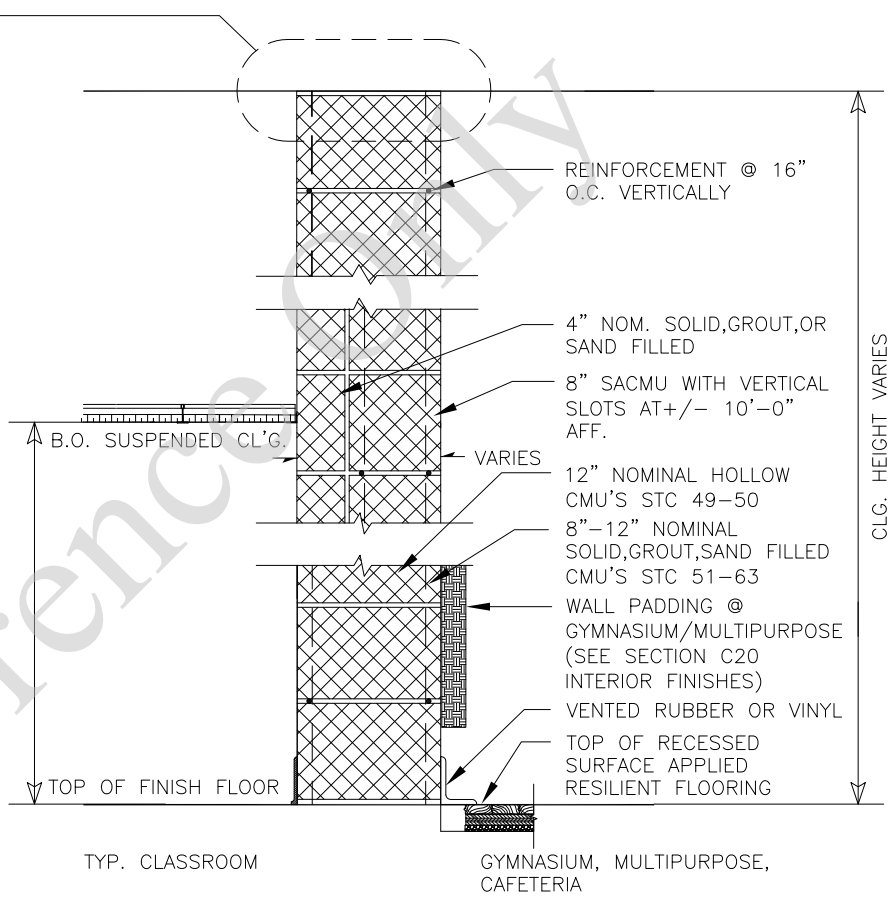
INTERIOR CMU PARTITIONS

C1010-01



1 PARTITION/INTERIOR CMU 12" MIN.
STC 50-60 RANGE
(60 PREFERRED)



2 PARTITION/INTERIOR CMU 8"-12" MIN.
STC 57-60 RANGE
(60 PREFERRED)

SCALE: 3/4" = 1'-0"

1. USE THE APPROPRIATE C.M.U. WIDTH (6", 8" OR 12") TO PROVIDE THE NECESSARY FIRE SEPARATIONS / DIVISIONS BETWEEN SPACES AS PER BUILDING CODE.
2. ALL INTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED FOR SEISMIC FORCES AS PER NJIBC. DESIGN CONSULTANT IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.
3. SEE C20 INTERIOR FINISHES FOR TYPICAL ROOM FINISHES.
4. PROVIDE VERTICAL CONTROL JOINTS PER C1010-05

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MATERIALS & SYSTEM STANDARDS

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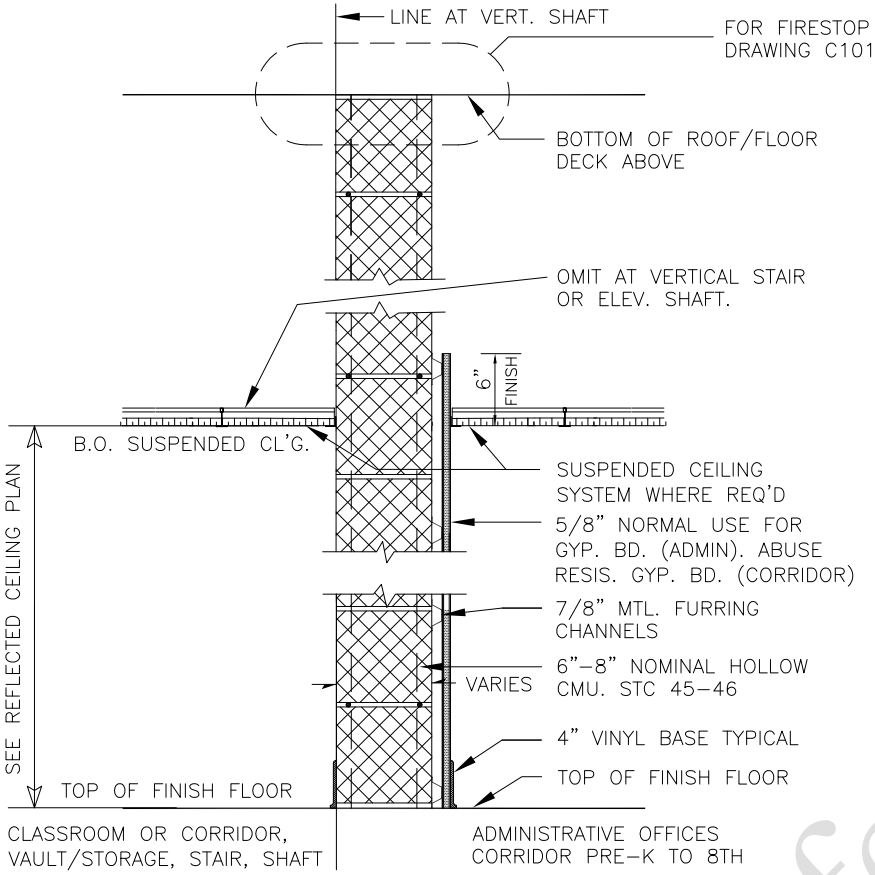
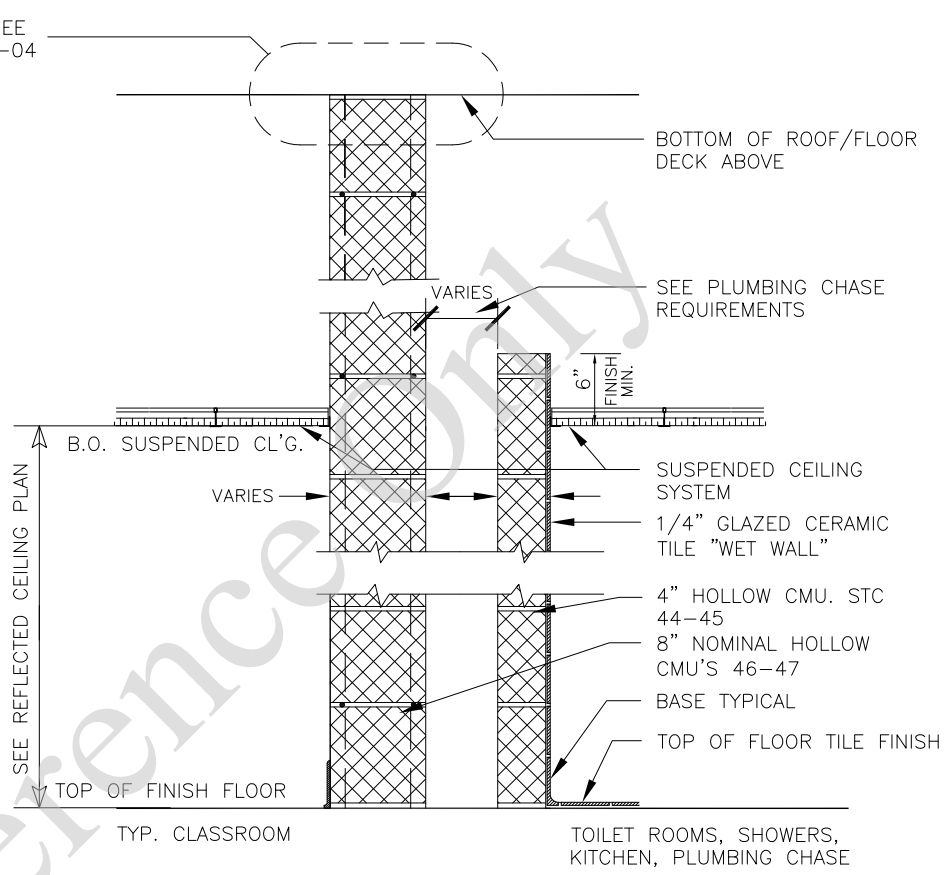
INTERIOR CMU PARTITION

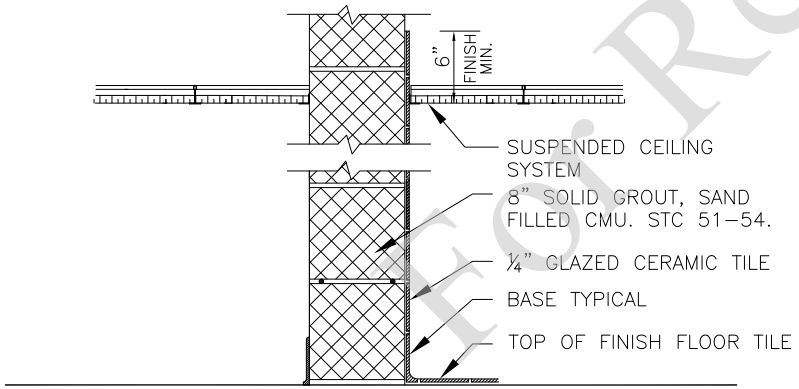
C1010-02



1 PARTITION/INTERIOR CMU/GYP. BD.
STC 45-46 RANGE (50 PREFERRED)



2 PARTITION/INTERIOR CMU CHASE
STC 51-55 (53 PREFERRED)



3 PARTITION/INTERIOR CMU/TILE
STC 51-55 RANGE (53 PREFERRED)

0 1' 2' 4'

SCALE: 3/4" = 1'-0"

1. USE THE APPROPRIATE C.M.U. WIDTH (6", 8" OR 12") TO PROVIDE THE NECESSARY FIRE SEPARATIONS / DIVISIONS BETWEEN SPACES AS PER BUILDING CODE.
2. ALL INTERIOR MASONRY WALLS SHALL BE VERTICALLY REINFORCED FOR SEISMIC FORCES AS PER NJIBC. DESIGN CONSULTANT IS RESPONSIBLE TO VERIFY NUMBER AND SPACING IN RELATION TO HEIGHT AND THICKNESS OF WALL.
3. SEE C20 INTERIOR FINISHES FOR TYPICAL ROOM FINISHES.
4. PROVIDE VERTICAL CONTROL JOINTS PER C1010-05

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MATERIALS & SYSTEM STANDARDS

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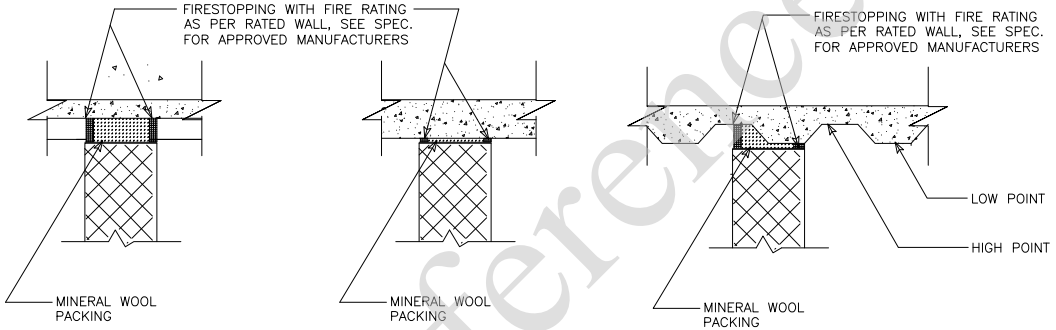
INTERIOR CMU PARTITIONS

C1010-03



PERPENDICULAR TO DECK AT HIGH POINT

PERPENDICULAR TO DECK OR SLAB AT LOW POINT

PARALLEL WITH DECK HIGH POINT AND LOW POINT

INTERIOR MASONRY HEADWALL FIRE STOP AT ROOF/FLOOR/DECK ABOVE DETAIL

0 6" 1' 2'

SCALE: 3/4" = 1'-0"

1. FIRESTOPPING SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDED METHODS FOR THE REQUIRED FIRE RATING OF A WALL ASSEMBLY.
2. ALTERNATE METHODS OF FIRESTOPPING MUST CONFORM TO U.L. REQUIREMENTS AND TO THE PREVAILING BUILDING CODE.
3. JOINT MUST FOLLOR FOR DECK DEFLECTION

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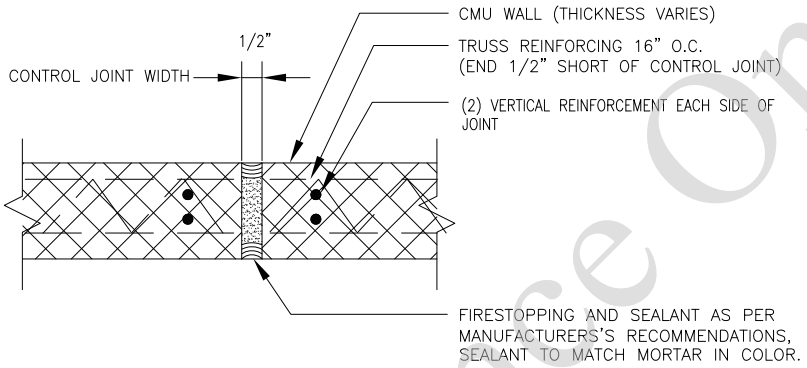
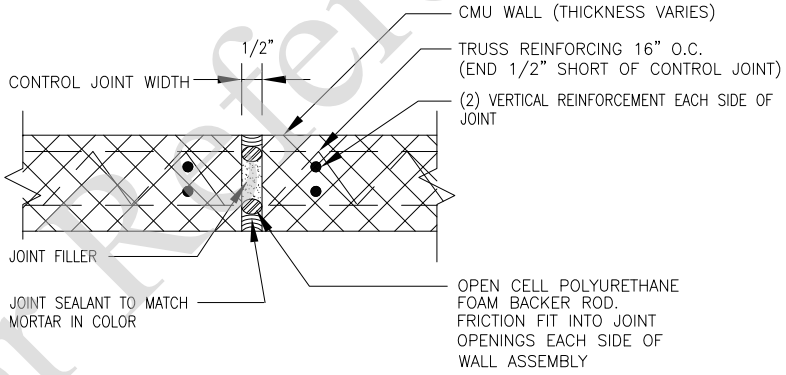
INTERIOR CMU PARTITION FIRESTOPPING

C1010-04



2 CONTROL JOINT DETAIL FOR FIRE RATED WALLS
NOT TO SCALE



1 CONTROL JOINT DETAIL FOR NON–FIRE RATED WALLS
NOT TO SCALE

1.) DETAILS ARE FOR NON–LOAD BEARING WALLS.

2.) FIRESTOPPING DETAIL IS FOR MIN. 4 1/2" THICK WALL.

3.) CONTROL JOINT IS MAX. 1/2" WIDE.

4.) LOCATE VERTICAL CONTROL JOINTS AT A DISTANCE NOT MORE THAN 1.5x WALL HEIGHT OR 25' O.C., WHICHEVER IS LESS.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
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MATERIALS & SYSTEM STANDARDS

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Scale: AS NOTED

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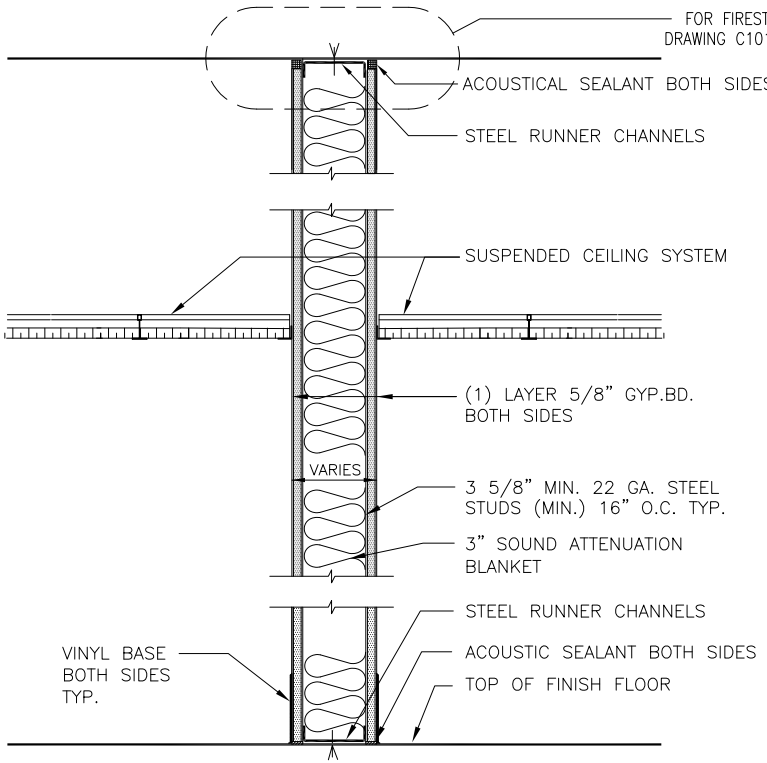
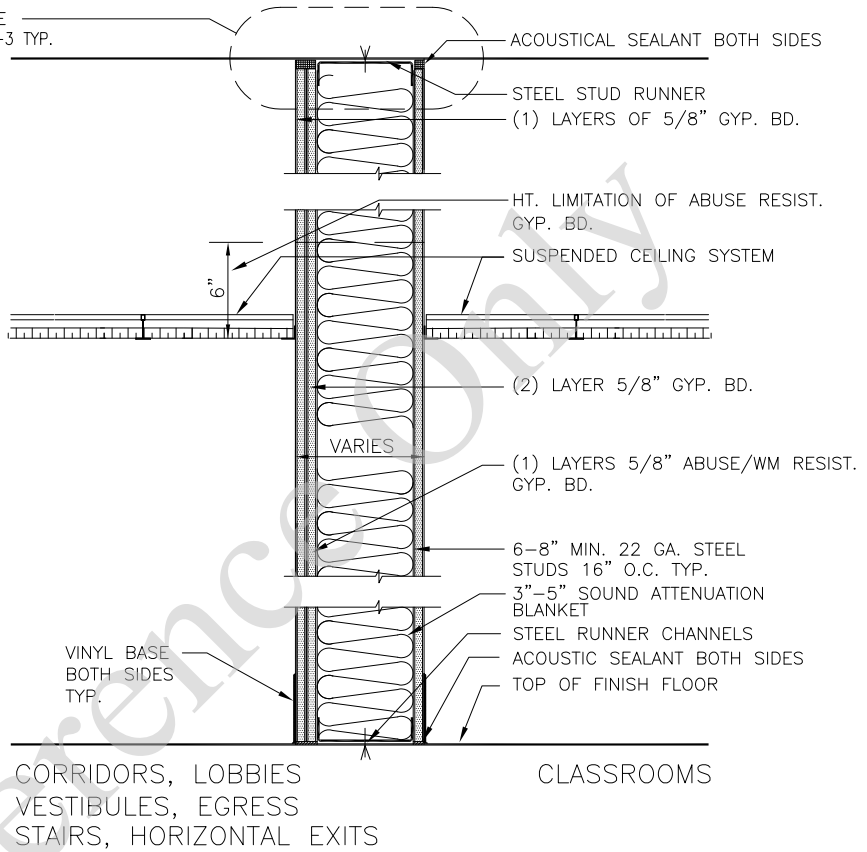
INTERIOR CMU CONTROL JOINTS

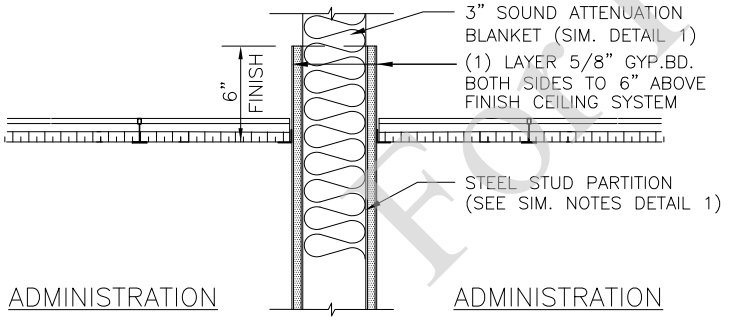
C1010-05



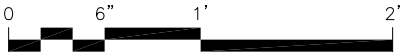
1 PARTITION/INTERIOR GYP. BD.
STC 45-49 (50 PREFERRED)



2 PARTITION/INTERIOR GYP. BD. 6-8" MIN.
STC 45



1a PARTITION/INTERIOR GYP. BD. (ALT.)
STC 45



1. FOR SIZE OF STEEL STUDS VERIFY WITH STRUCTURAL HEIGHT LIMITATIONS SET BY CODE.
2. FOR INTERIOR FINISHES SEE SECTION C20 TABLE OF TYPICAL ROOM TYPES AND FINISHES.
3. FOR USE OF FIRE RESISTANT GYP. BD. DC TO VALIDATE TYPE C/X. SEE FIRE RESISITANCE REQ'D BY PREVAILING CODE.
4. FOR TYPE OF ABUSE RESISTANT GYP. BD. SEE C1010.10.5
5. SEE NOTE 3 ON C1010-10

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
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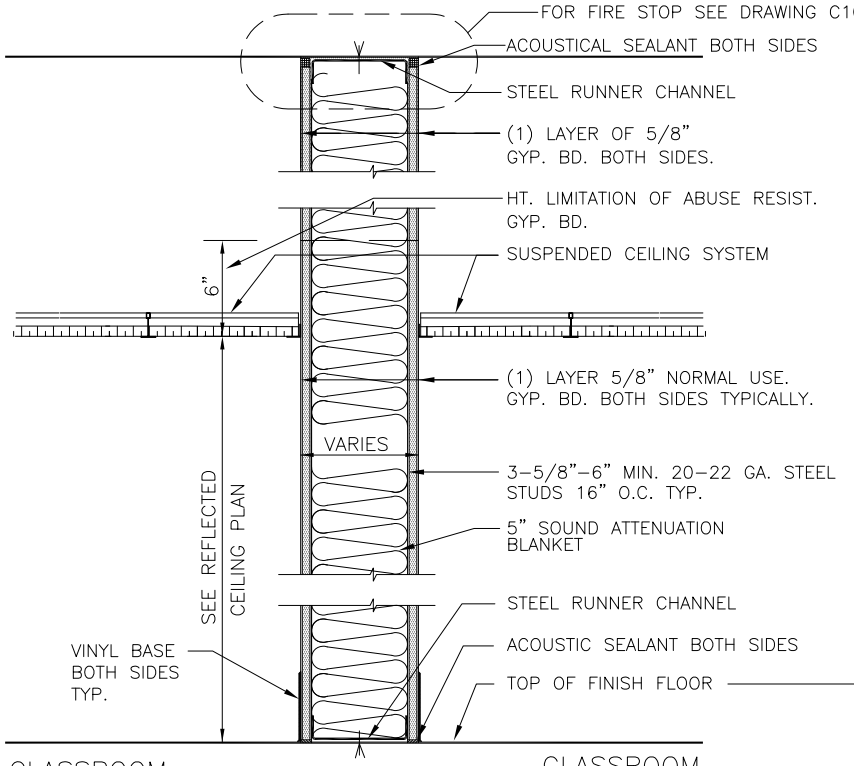
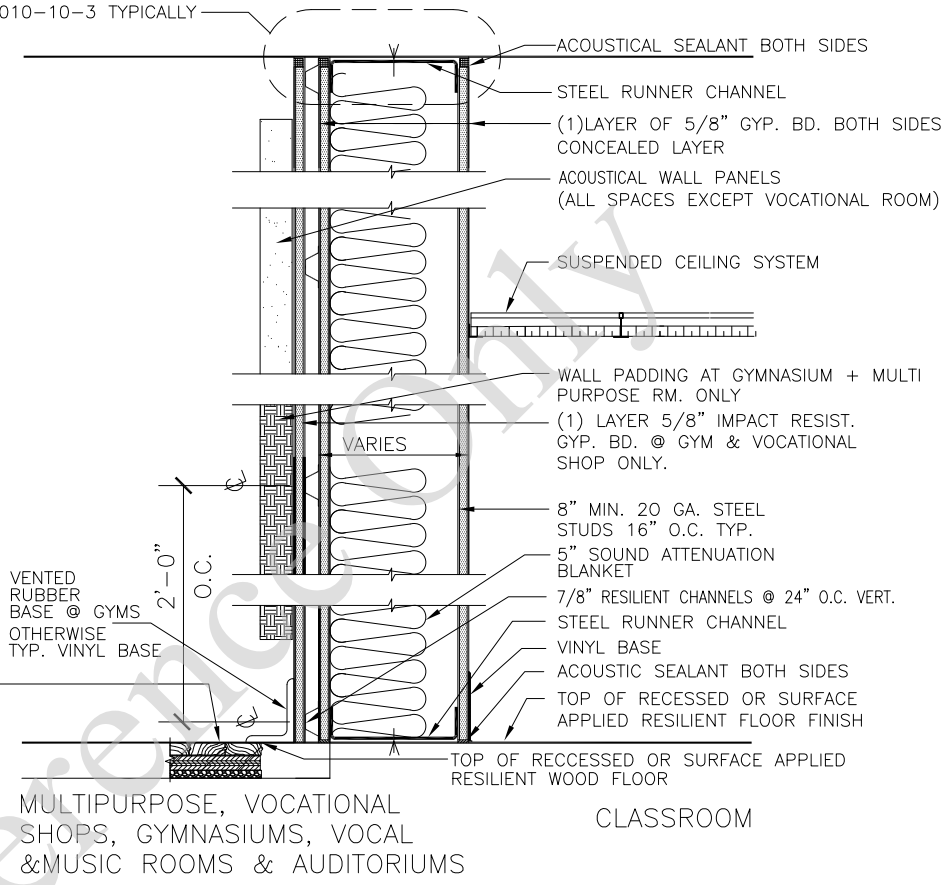
INTERIOR NSLGF PARTITIONS

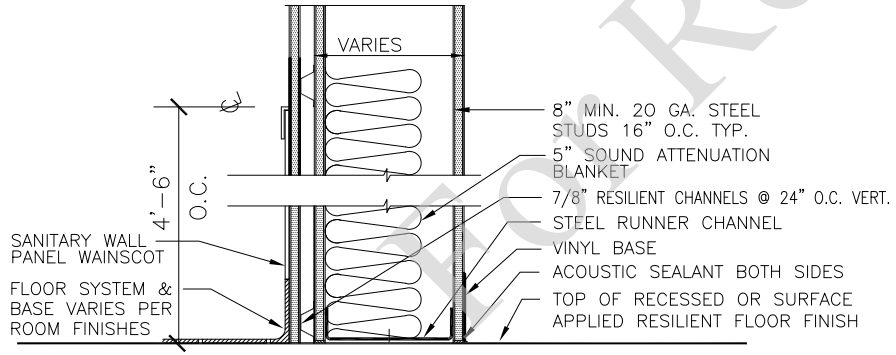
C1010-06



1 PARTITION/INTERIOR GYP. BD.
3-5/8"-6" MIN. STC 50



2 PARTITION/INTERIOR GYP. BD. 8" MIN.
STC 59 - 60



3 PARTITION/INTERIOR GYP. BD. 8" MIN.
STC 59-60

0 6" 1' 2'
SCALE: 1" = 1'-0"

1. FOR SIZE OF STEEL STUDS VERIFY WITH STRUCTURAL HEIGHT LIMITATIONS SET BY CODE.
2. FOR INTERIOR FINISHES SEE SECTION C20 TABLE OF TYPICAL ROOM TYPES AND FINISHES.
3. FOR USE OF FIRE RESISTANT GYP. BD. DC TO VALIDATE TYPE C/X. SEE FIRE RESISITANCE REQ'D BY PREVAILING CODE.
4. FOR TYPE OF ABUSE RESISTANT GYP. BD. C1010.10.5
5. SEE NOTE 3 ON C1010-10

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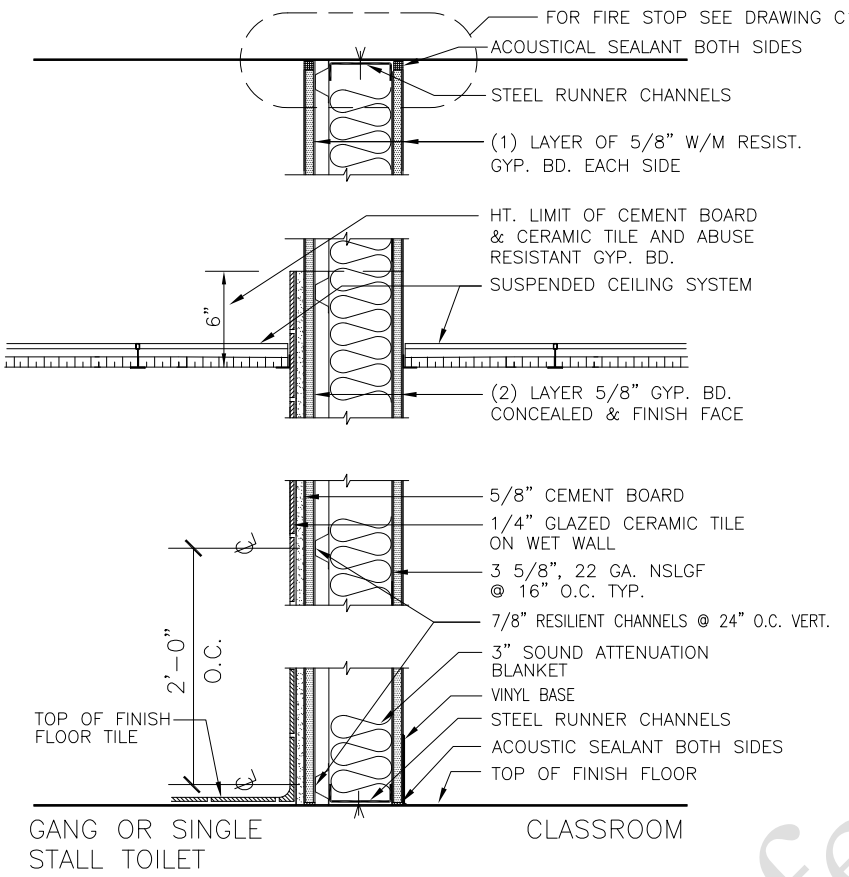
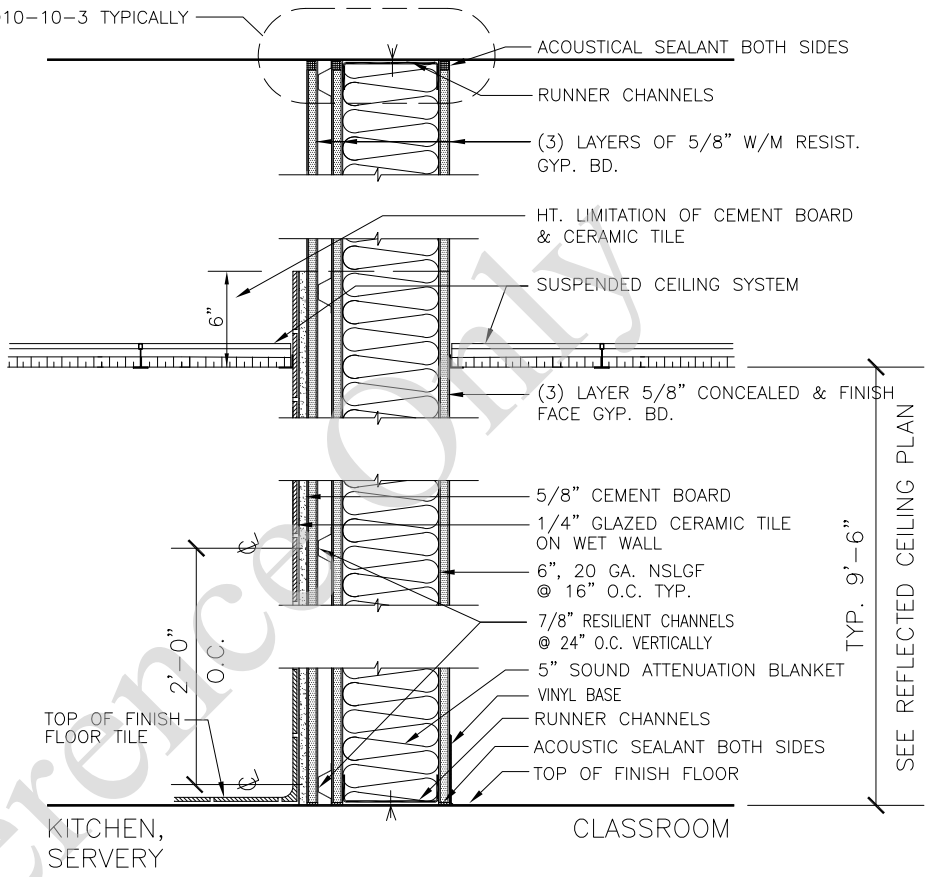
INTERIOR NSLGF PARTITIONS

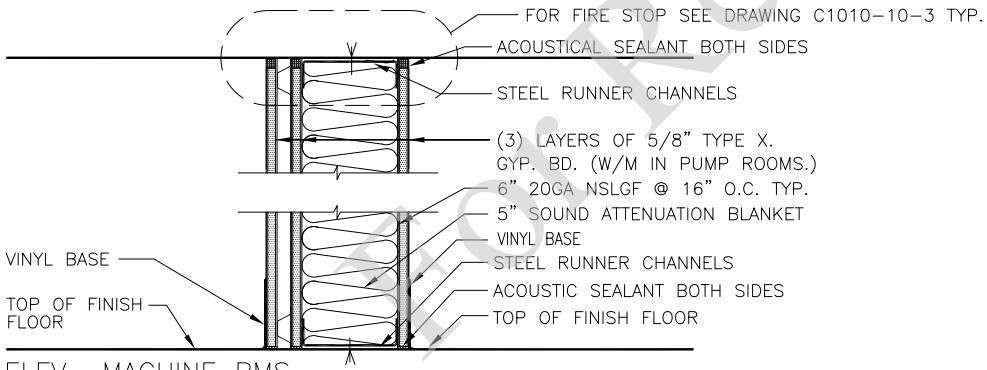
C1010-07



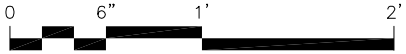
1 PARTITION/INTERIOR GYP. BD.
STC 53



2 PARTITION/INTERIOR GYP. BD. 6" MIN.
STC 59-60



3 PARTITION/INTERIOR GYP. BD. 6" MIN.
STC 59-60



1. FOR SIZE OF STEEL STUDS VERIFY WITH STRUCTURAL HEIGHT LIMITATIONS SET BY CODE.
2. FOR INTERIOR FINISHES SEE SECTION C20 TABLE OF TYPICAL ROOM TYPES AND FINISHES.
3. FOR USE OF FIRE RESISTANT GYP. BD. DC TO VALIDATE TYPE C/X SEE FIRE RESISITANCE REQ'D BY PREVAILING CODE.
4. FOR TYPE OF ABUSE RESISTANT GYP. BD. SEE C1010.10.5
5. SEE NOTE 3 ON C1010-10

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
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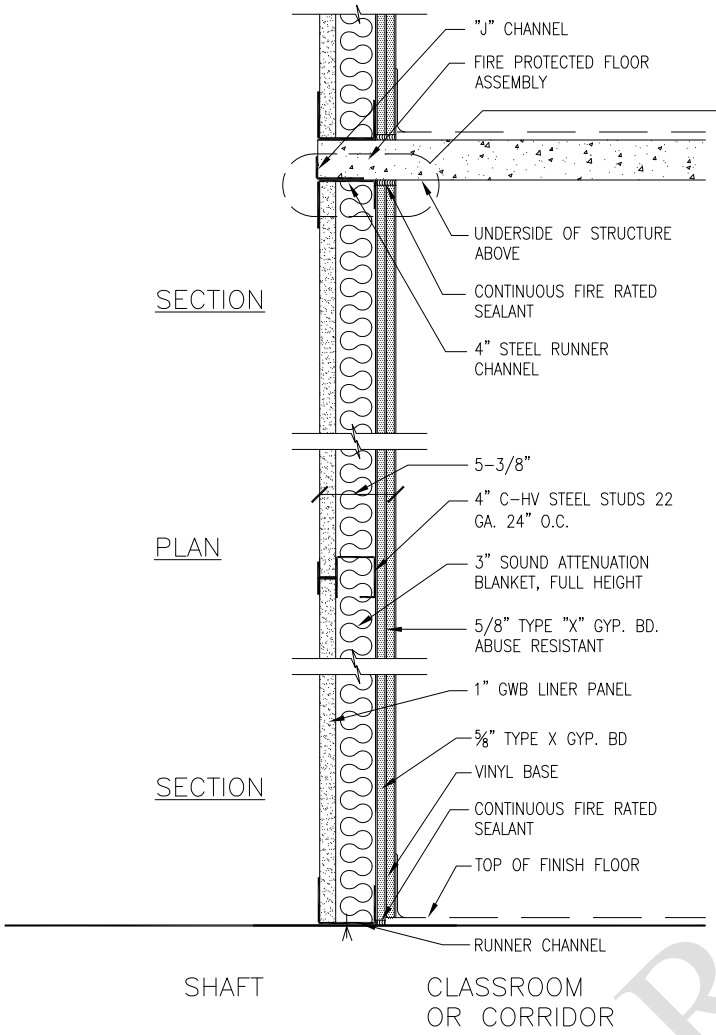
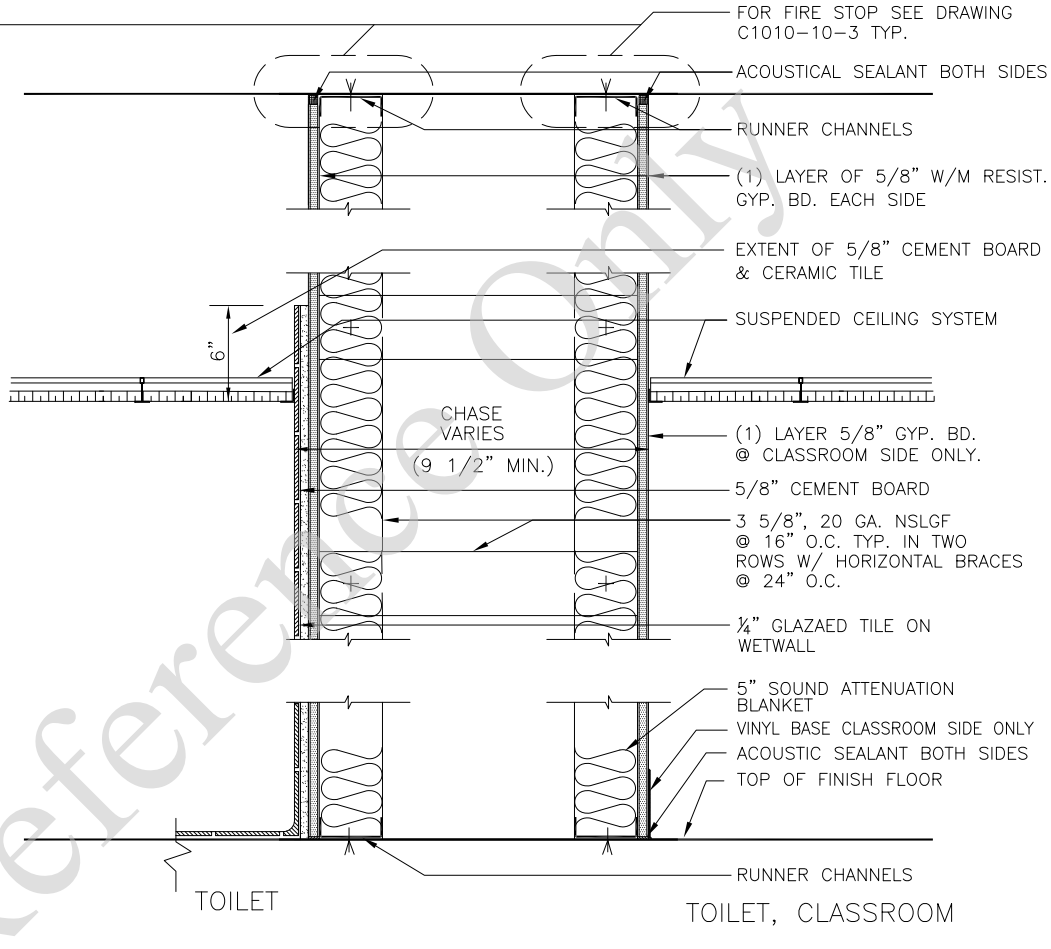
INTERIOR NSLGF PARTITIONS

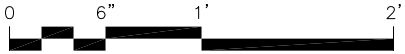
C1010-08



1 PARTITION/INTERIOR GYP. BD. (4" MIN.) STC 51



2 PARTITION/INTERIOR GYP. BD. (3-5/8" MIN.) STC 60



1. FOR SIZE OF STEEL STUDS VERIFY WITH STRUCTURAL HEIGHT LIMITATIONS SET BY CODE.
2. FOR INTERIOR FINISHES SEE SECTION C20 TABLE OF TYPICAL ROOM TYPES AND FINISHES.
3. FOR USE OF FIRE RESISTANT GYP. BD. DC TO VALIDATE TYPE C/X SEE FIRE RESISITANCE REQ'D BY PREVAILING CODE.
4. FOR TYPE OF ABUSE RESISTANT GYP. BD. SEE TAM.
5. SEE NOTE 3 ON C1010-10

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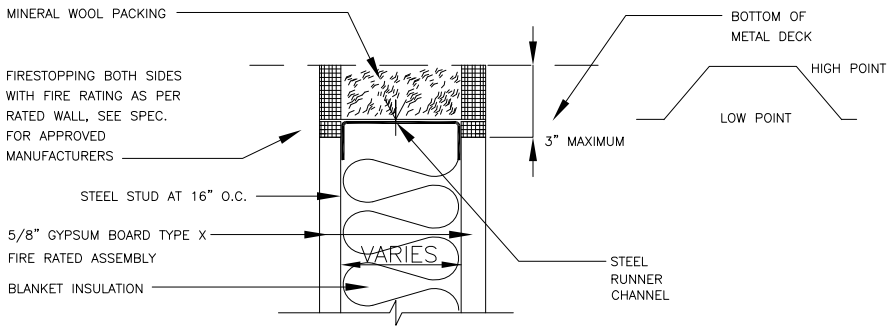
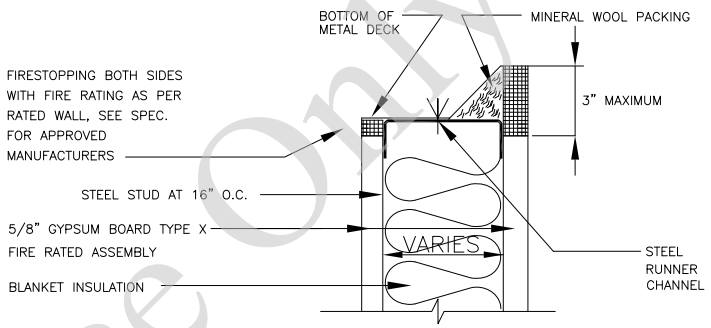
SHAFT INTERIOR NSLGF & CHASE WALLS

C1010-09



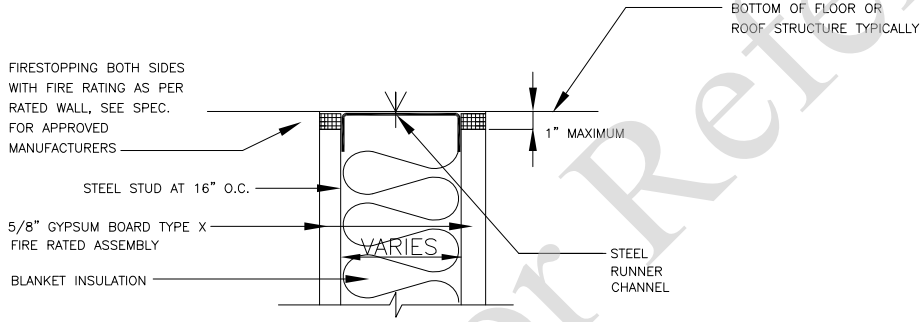
PERPENDICULAR WITH DECK – HIGH OR LOW POINTS

1 STEEL STUD PARTITION/METAL DECK FIRESTOPPING DETAIL



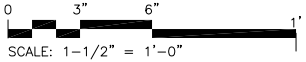
PARALLEL WITH DECK – HIGH AND LOW POINTS

2 STEEL STUD PARTITION/METAL DECK FIRESTOPPING DETAIL



PERPENDICULAR WITH DECK – HIGH OR LOW POINTS

3 STEEL STUD PARTITION/FLOOR OR ROOF STRUCTURE FIRESTOPPING DETAIL



1. FIRESTOPPING SHALL BE INSTALLED AS PER APPROVED TESTING AGENCY & MANUFACTURER'S RECOMMENDED METHODS FOR THE REQUIRED FIRE RATING OF A WALL ASSEMBLY
2. ALTERNATE METHODS OF FIRESTOPPING MUST CONFORM ASTM TO U.L. REQUIREMENTS OF THE PRESIDING CODE.
3. PROVIDE SLIP OR CUSHION TYPE JOINT BETWEEN METAL FRAMING AND STRUCTURE AS RECOMMENDED BY MANUFACTURER TO PREVENT TRANSFER LOADS OR MOVEMENT OF PARTITIONS.

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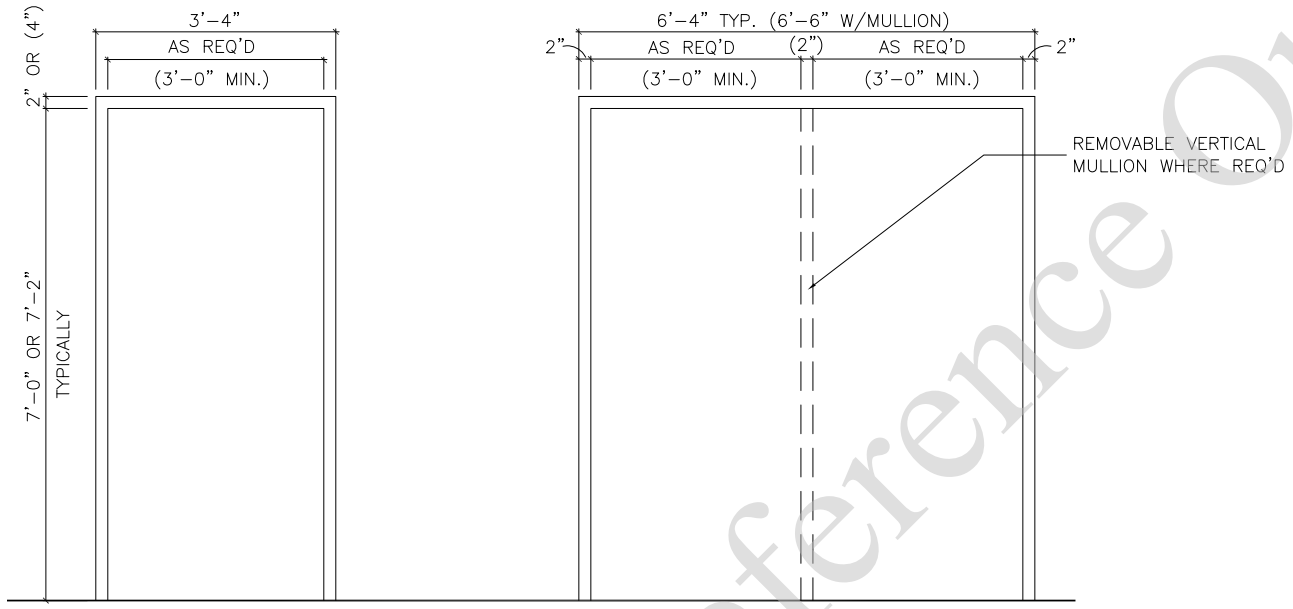
INTERIOR NSLGF PARTITION FIRESTOPPNG

C1010-10



1 H.M. FRAME SINGLE DOOR

2 H.M. FRAME DOUBLE DOOR

1. THE DESIGN CONSULTANT SHALL COORDINATE HOLLOW METAL (H.M.) FRAME ELEVATIONS WITH DOOR SIZES, ARCHITECTURAL FLOOR PLANS, AND DOOR SCHEDULES.
2. VISION PANELS ADJACENT TO (1)HR OR (¾)HR FIRE RATED DOORS SHALL BE LIMITED IN SQ. INCHES BY PREVAILING CODES
3. GLASS VISION PANELS IN 20 MIN. OR NON. RATED OPENINGS SHALL BE UNLIMITED IN AREA.
4. ALL VISION PANELS SHALL BE ¼" SAFETY GLASS AS PER THE PREVAILING CODES.
5. FRAME ELEVATIONS TO BE OF MODULAR DESIGN CONSISTENT WITH CMU MODULAR PLANNING LAYOUTS
6. ALL H.M. FRAMES MUST BE APPROVED BY THE NJ SDA.
7. THE H.M. FRAMES DEPICTED ARE TO BE MINIMAL STANDARDS AND SHALL NOT LIMIT THE DESIGN CONSULTANT FROM THE NECESSARY H.M. FRAME TYPES TO MEET THE REQUIREMENTS OF THE SPECIFIC DESIGN.

0 1' 2' 4' 8'

SCALE: 3/8" = 1'-0"

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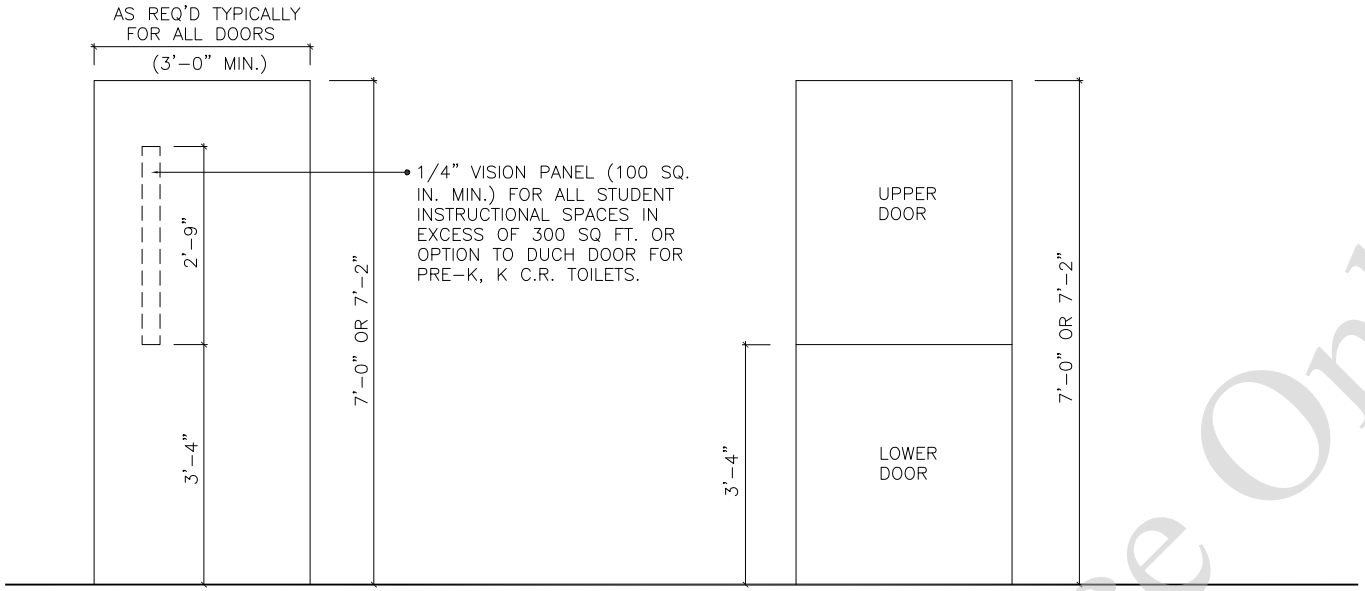
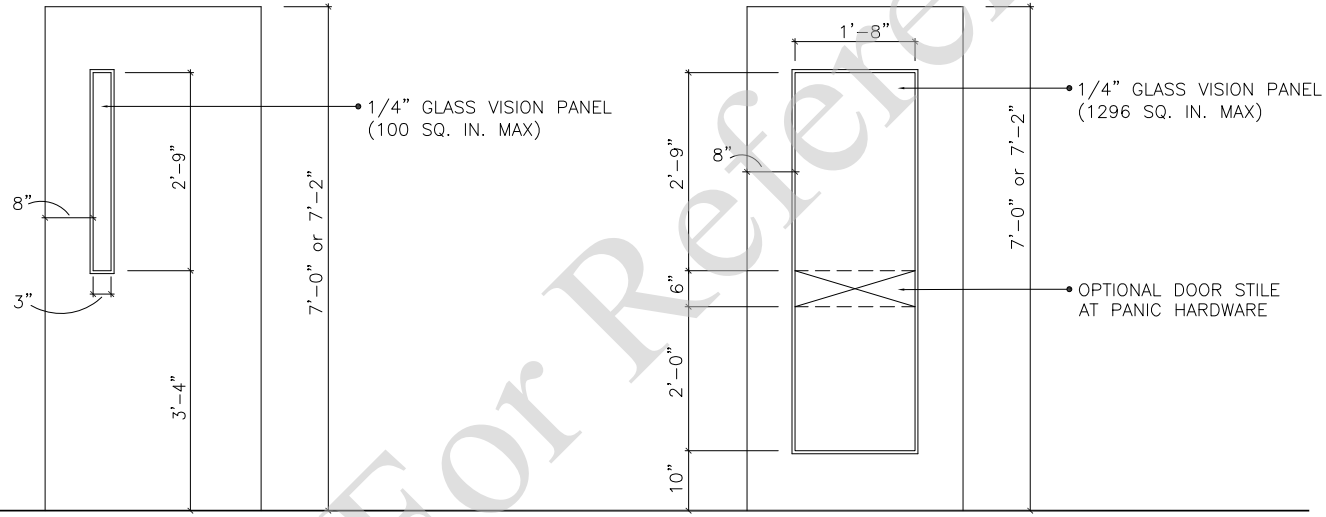
FRAME TYPICAL HOLLLOW METAL FRAME ELEVATIONS

C1030-01



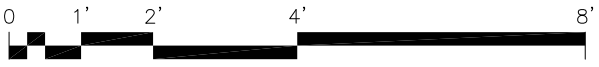
1 TYPICAL DOOR TYPE

2 TYPICAL DUTCH DOOR TYPE (PRE-K, K CLASSROOMS)



3 TYPICAL FIRE DOOR (1 HR RATED)

4 TYPICAL FIRE DOOR (3/4 HR RATED)



SCALE: 3/8" = 1'-0"

1. THE DESIGN CONSULTANT SHALL COORDINATE DOOR ELEVATIONS WITH ARCHITECTURAL FLOOR PLANS, DOOR FRAMES, DOOR DETAILS, DOOR SCHEDULES AND SPECIFICATIONS FOR HARDWARE.
2. VISION PANELS IN CROSS CORRIDOR DOORS, VESTIBULE DOORS, STAIR DOORS AND OTHER MEANS OF EGRESS SHALL BE LOCATED AT THE LATCH SIDE OF THE DOOR.
3. VISION PANELS IN 3/4 – 1 1/2 HR RATED DOORS SHALL BE EITHER FIRE PROTECTED RATED GLAZING OR WIRE GLASS COMPLYING WITH PREVAILING CODES.
4. VISION PANELS IN 20 MIN OR NON – RATED DOORS SHALL BE UNLIMTED IN SIZE.
5. ALL VISION PANELS SHALL BE ¼" SAFETY GLASS AS PER PREVAILING CODES.
6. ALL DOOR ELEVATIONS MUST BE APPROVED BY THE NJSDA.
7. THE DOOR DEPICTED ARE INTENDED TO BE MINIMAL STANDARDS AND SHALL NOT LIMIT THE DESIGN CONSULTANT FROM DESIGNING THE NECESSARY DOOR TYPES TO MEET THE REQUIREMENTS OF THE SCHOOL DISTRICT, DOE, SDA & PREVAILING CODES.
8. VISION GLASS SHALL BE PROVIDED AT APPROPRIATE SIZES & HEIGHTS FOR INTENDED AGE GROUP & ROOM USES.

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
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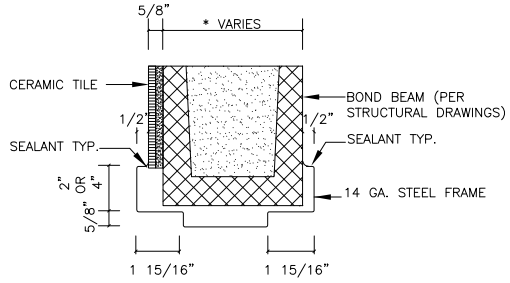
DOOR TYPES ELEVATIONS

C1030-02



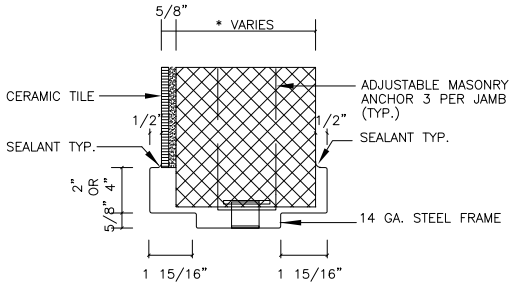
CERAMIC TILE / C.M.U.

1 H.M. DOOR FRAME / INTERIOR DETAIL / HEAD

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"

* NOTE: SEE ARCHITECTURAL PLANS FOR WIDTH OF PARTITION WALLS.

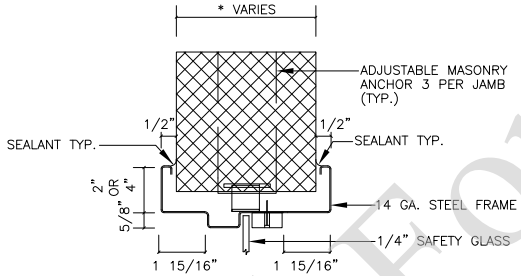


CERAMIC TILE / C.M.U.

2 H.M. DOOR FRAME / INTERIOR DETAIL / JAMB

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"

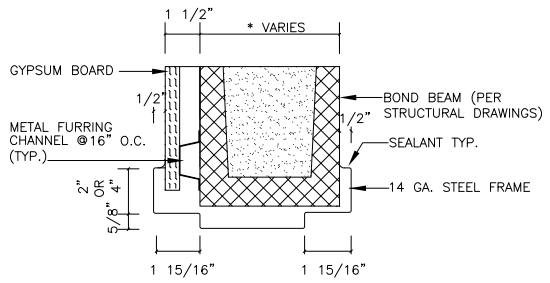


C.M.U. / C.M.U.

7 H.M. WINDOW FRAME/INTERIOR DETAIL / JAMB

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"



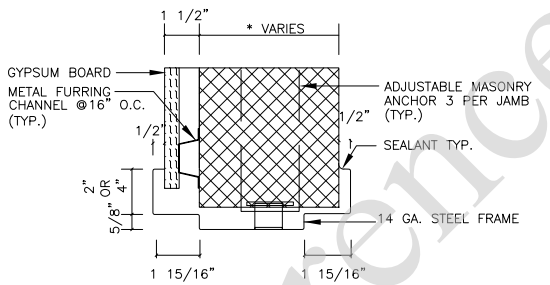
GYP. BD. / C.M.U.

3 H.M. DOOR FRAME / INTERIOR DETAIL / HEAD

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"

* NOTE: SEE ARCHITECTURAL PLANS FOR WIDTH OF PARTITION WALLS.

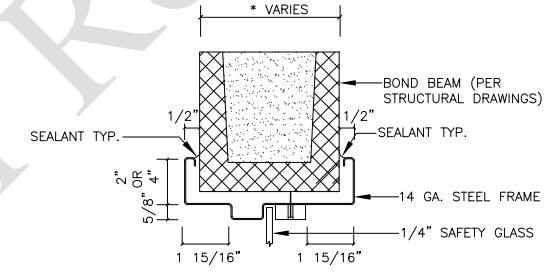


GYP. BD. / C.M.U.

4 H.M. DOOR FRAME / INTERIOR DETAIL / JAMB

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"



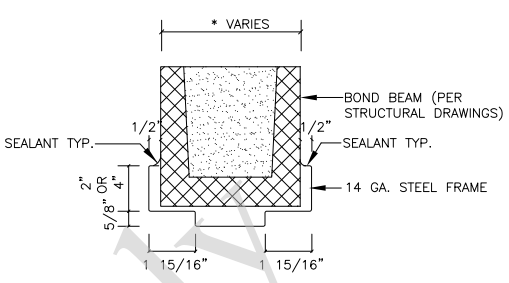
C.M.U. / C.M.U.

8 H.M. WINDOW FRAME/INTERIOR DETAIL / HEAD

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"

* NOTE: SEE ARCHITECTURAL PLANS FOR WIDTH OF PARTITION WALLS.



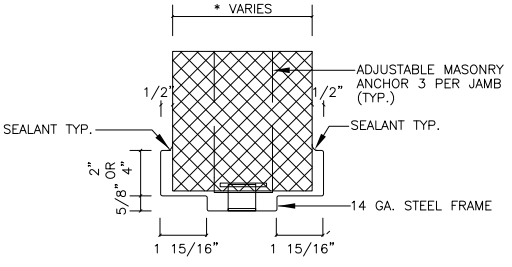
C.M.U. / C.M.U.

5 H.M. DOOR FRAME / INTERIOR DETAIL / HEAD

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"

* NOTE: SEE ARCHITECTURAL PLANS FOR WIDTH OF PARTITION WALLS.



C.M.U. / C.M.U.

6 H.M. DOOR FRAME / INTERIOR DETAIL / JAMB

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"

1. THE DESIGN CONSULTANT SHALL USE THESE MASONRY DETAILS FOR ALL INTERIOR DOOR FRAME OPENINGS.
2. THE DESIGN CONSULTANT SHALL USE THESE DETAILS WITH DOOR SCHEDULES, ARCHITECTURAL FLOOR PLANS, DOOR FRAMES, DOOR ELEVATIONS, DOOR DETAILS AND OTHER DOOR FRAME DETAILS.

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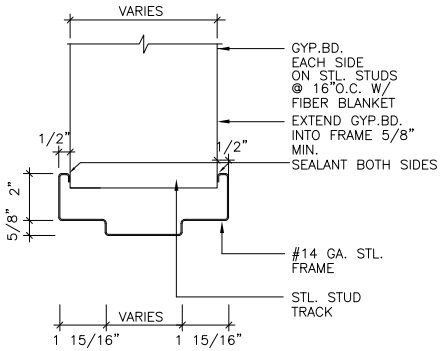
HOLLOW METAL JAMB & HEAD @ CMU PARTITIONS

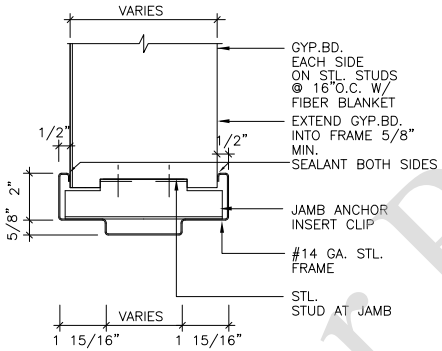
C1030-03



2A H.M. DOOR FRAME / INTERIOR DETAIL / HEAD

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"

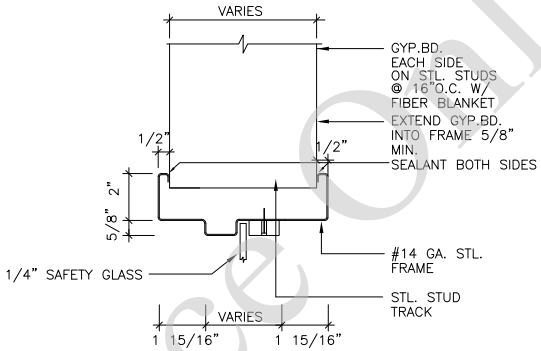


1A H.M. DOOR FRAME / INTERIOR DETAIL / JAMB

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"

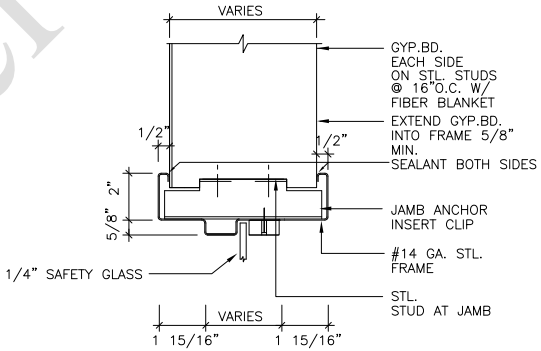
* NOTE: SEE ARCHITECTURAL PLANS FOR WIDTH OF PARTITION WALLS.



2B H.M. WINDOW FRAME / INTERIOR DETAIL / HEAD

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"



1B H.M. WINDOW FRAME / INTERIOR DETAIL / JAMB

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"

* NOTE: SEE ARCHITECTURAL PLANS FOR WIDTH OF PARTITION WALLS.

1. THE DESIGN CONSULTANT SHALL USE THESE GB-NSLGF DETAILS FOR ALL INTERIOR DOOR FRAME OPENINGS.
2. THE DESIGNER SHALL COORDINATE THESE DETAILS WITH DOOR SCHEDULES, ARCHITECTURAL FLOOR PLANS, DOOR FRAMES, DOOR ELEVATIONS, DOOR DETAILS AND OTHER DOOR FRAME DETAILS.

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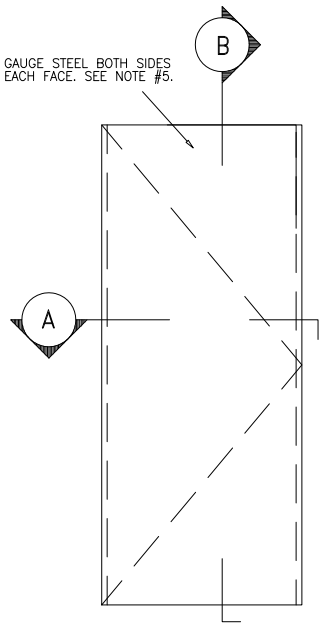
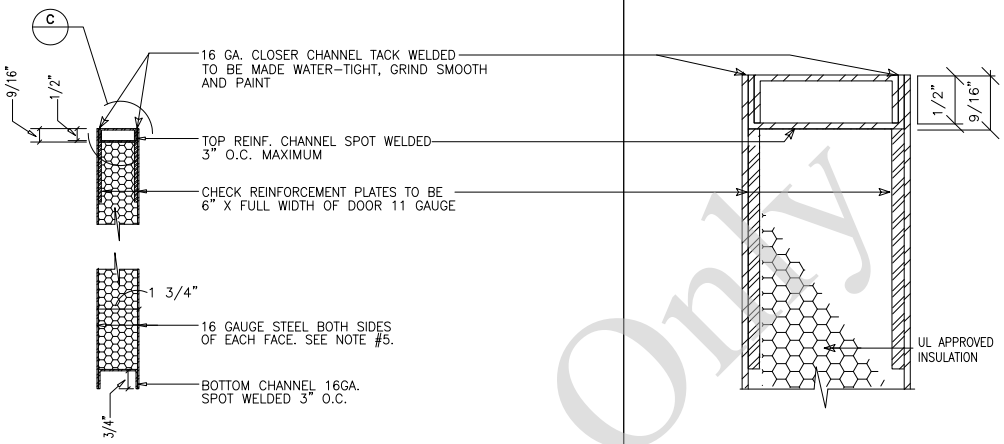
HOLLOW METAL JAMB & HEAD @ METAL STUD PARTITIONS

C1030-04

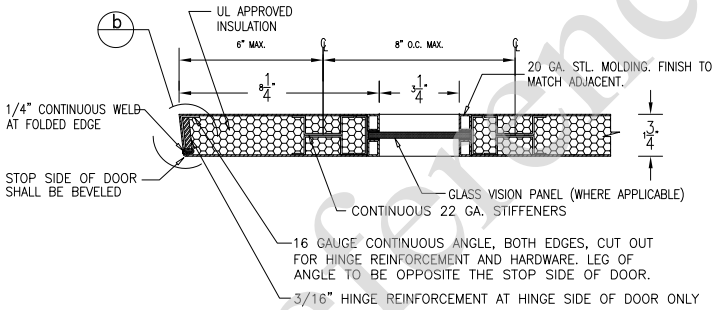


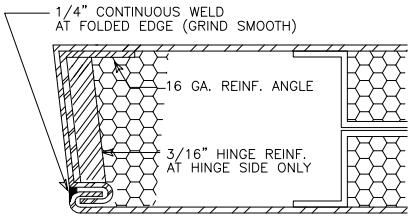
A DOOR ELEVATION
SCALE: NOT TO SCALE



B HOLLOW METAL DOOR / INTERIOR
TYPICAL CONSTRUCTION

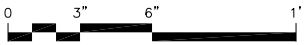
c DOOR DETAIL
SCALE: NOT TO SCALE





b DOOR DETAIL
SCALE: NOT TO SCALE

A HOLLOW METAL DOOR / INTERIOR (NON-FIRE RATED)
TYPICAL CONSTRUCTION



SCALE: 1-1/2" = 1'-0"

1. THE GLAZING INDICATED IN THIS DETAIL IS FOR ILLUSTRATIVE PURPOSES ONLY. THE CONTRACTOR SHALL REFER TO DOOR ELEVATIONS AND DETAILS FOR THE REQUIRED GLAZING FOR EACH DOOR TYPE.
2. ALTHOUGH THE WIDTH OF DOORS MAY VARY, THE SPACING OF STIFFENERS MAY NOT EXCEED 8" ON CENTERS.
3. UNIVERSAL DOORS ARE NOT ACCEPTABLE FOR ALL PROJECTS.
4. ALL INDICATED GAUGES ARE BASED ON U.S. STANDARD GAUGE FOR HOT AND COLD ROLLED STEEL SHEETS.
6. THE DESIGN CONSULTANT SHALL USE THIS FOR ALL INTERIOR HOLLOW METAL DOORS.
7. APPROVAL FOR ALTERNATE METHODS OF CONSTRUCTION MUST BE OBTAINED, IN WRITING, FROM THE NJSDA.

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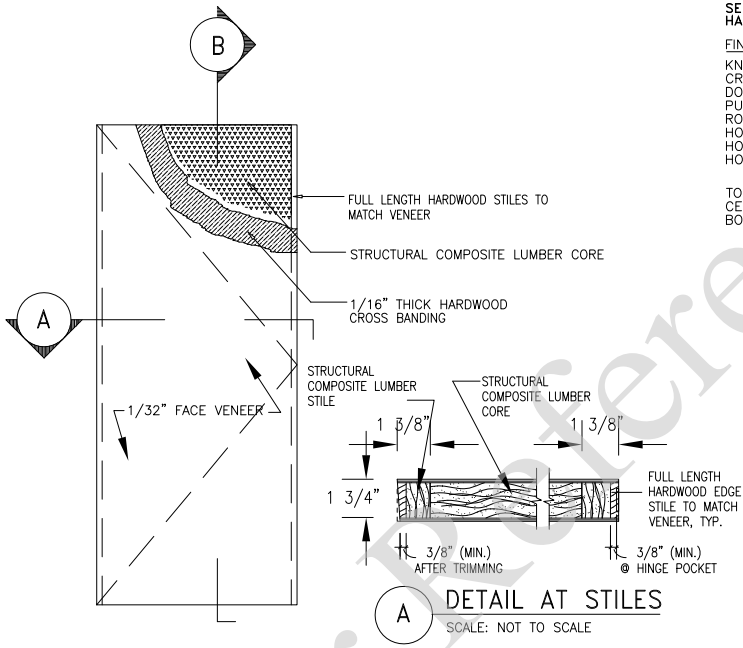
HOLLOW METAL DOOR

C1030-05



A DETAIL AT STILES

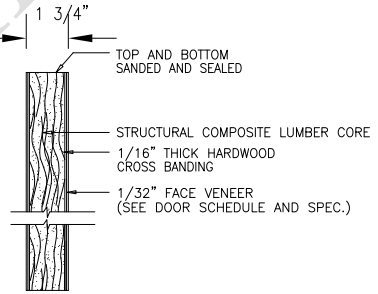
SCALE: NOT TO SCALE

SEE DOOR SCHEDULE AND SPECIFICATION FOR HARDWARE REQUIREMENTS:

FINISH FLOOR TO CENTER LINE OF HARDWARE:

KNOB ON LOCK OR LATCH	38"
CROSS BAR ON FIRE EXIT DEVICE	38"
DOOR PULL GRIP	42"
PUSH–PULL BAR	42"
ROLLER LATCH	45"
HOSPITAL PUSH–PULL LATCH	45"
HOSPITAL ARM PULL (VERTICAL TYPE)	48"
HOSPITAL ARM PULL (VERTICAL TYPE)	48"

TOP HINGE – 5" FROM FRAME HEAD RABBET TO TOP OF HINGE.
CENTER HINGE – EQUAL DISTANCE FROM TOP AND BOTTOM HINGE.
BOTTOM HINGE – 10" FROM FINISH FLOOR TO UNDERSIDE OF HINGE.



B DETAIL AT RAILS

SCALE: NOT TO SCALE

NOTE: ACOUSTICAL DOORS SHALL BE FURNISHED WITH STOP BEADS, THRESHOLD SEAL, GLAZING AND STOP BEAD ADJUSTER AS PER SPECIFICATION.

WOOD DOOR / INTERIOR (NON–FIRE RATED) TYPICAL (5–PLY) CONSTRUCTION

SCALE: NOT TO SCALE

1. THE DESIGNER SHALL USE THIS DETAIL FOR ALL INTERIOR WOOD DOORS.
2. APPROVAL FOR ALTERNATE METHODS OF CONSTRUCTION MUST BE OBTAINED, IN WRITING, FROM THE SDA.
3. ALL INTERIOR PAIRS OF DOORS TO HAVE FIXED MULLIONS. HOWEVER, PAIRS OF DOORS FOR THE DELIVERY OF FURNITURE AND EQUIPMENT SHALL HAVE REMOVABLE MULLIONS.
4. THE DESIGNER SHALL INDICATE IN THIS DETAIL OR THE DOOR SCHEDULE THE TYPE OF FINISH THE EXPOSED DOOR SURFACE (FACE VENEER) SHALL RECEIVE (EG. PAINTED OR TRANSPARENT FINISH)

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WOOD DOOR

C1030-06

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Section C20: Interior Finishes

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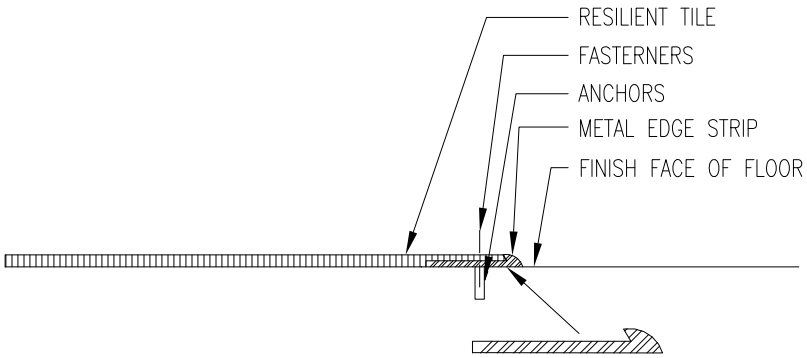
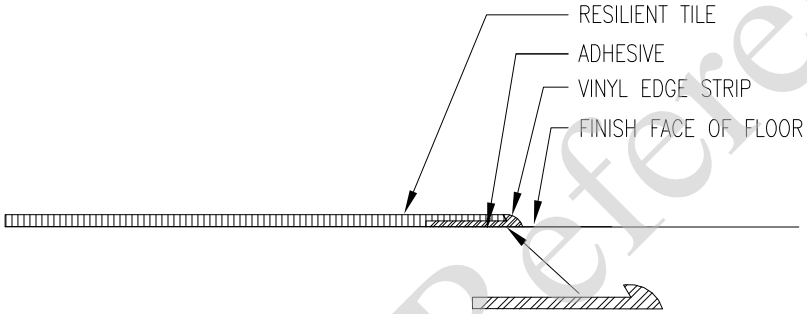


2 METAL EDGE STRIP / RESILIENT FLOORING DETAIL

0 6" 1' 2'

SCALE: 1-1/2" = 1'-0"



1 RESILIENT EDGE STRIP / RESILIENT FLOORING DETAIL

0 6" 1' 2'

SCALE: 1 1/2" = 1'-0"

1. THE DESIGNER SHALL USE THIS DETAIL WHEN THERE IS A TRANSITION FROM RESILIENT FLOORING TO AN UNFINISHED FLOOR SURFACE (IE. CEMENT FLOOR).

2. THE DESIGNER SHALL USE THE "METAL EDGE STRIP" IN ALL HIGH TRAFFIC AREAS.

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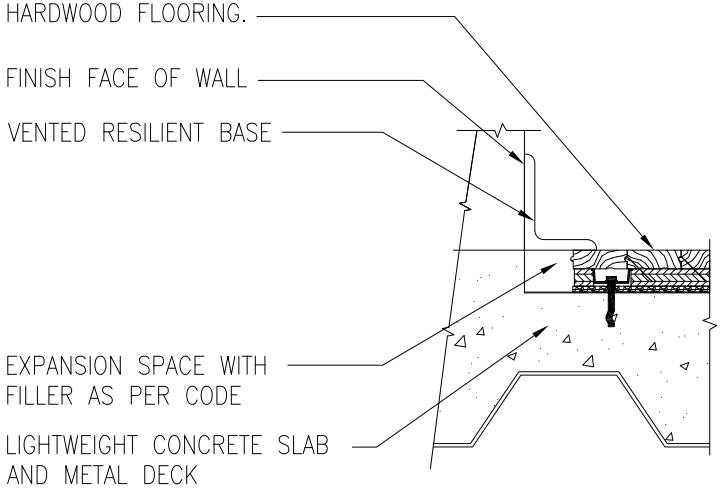
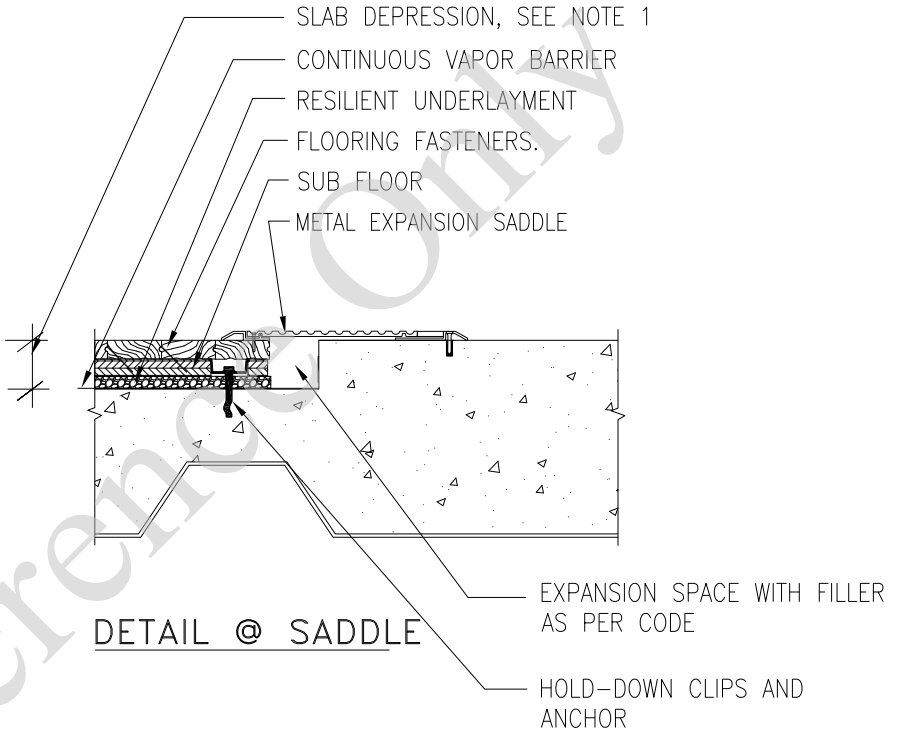
METAL & RESILIENT EDGE STRIPS / RESILIENT FLOORING-DETAILS

C2030-11-01



DETAIL @ WALL



DETAIL @ SADDLE

1 ANCHORED WOOD FLOOR – DETAILS

0 6" 1' 2'

SCALE: 1½" = 1'-0"

1. COORDINATE SLAB DEPRESSION WITH WOOD FLOOR MANUFACTURER'S SPECIFICATION AND STRUCTURAL DRAWINGS.
2. COORDINATE PAINTED GAME LINES AND INSERTS FOR GYM EQUIPMENT ON GYM ROOM LAYOUT.
3. REFER TO DESIGN REQUIREMENT C3020-E-19 FLOOR TYPES FOR TYPES/LOCATIONS OF WOOD FLOORS.
4. REFER TO MANUFACTURER'S SPCIFICATION AND SYSTEM DETAILS FOR SPECIFIC DESIGN REQUIREMENTS

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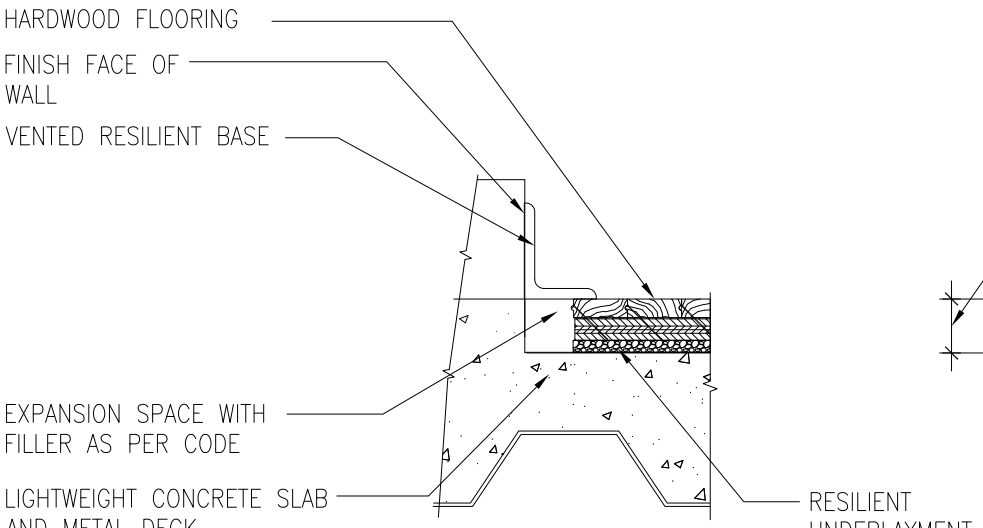
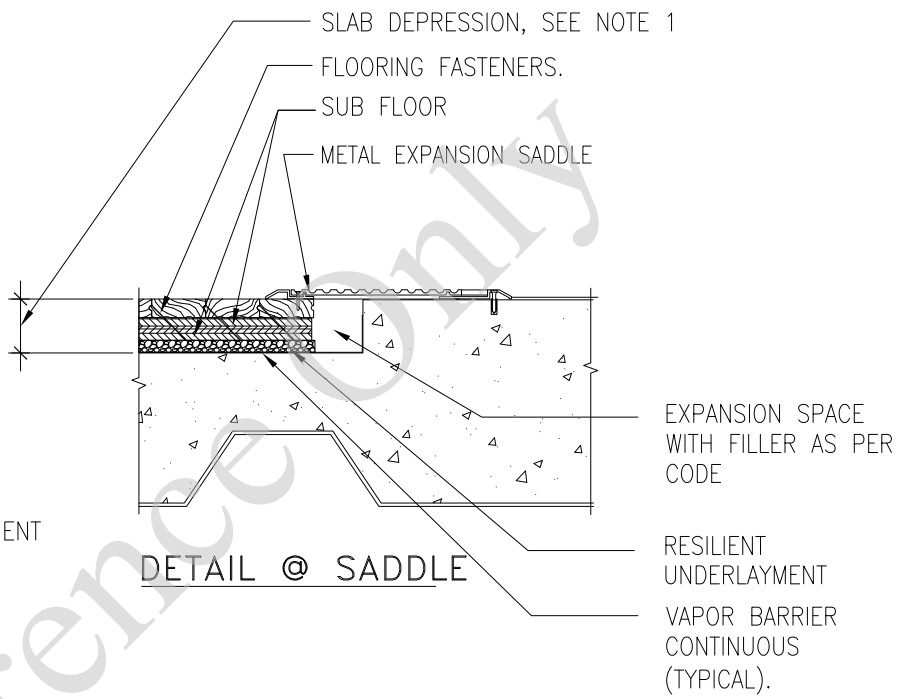
ANCHORED WOOD FLOOR DETAILS

C2030-11-02

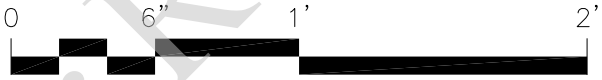


DETAIL @ WALL



DETAIL @ SADDLE

1 FLOATING WOOD FLOOR DETAILS



SCALE: 1½" = 1'-0"

1. COORDINATE SLAB DEPRESSION WITH WOOD FLOOR MANUFACTURER'S SPECIFICATION AND STRUCTURAL DRAWINGS.
2. COORDINATE PAINTED GAME LINES AND INSERTS FOR GYM EQUIPMENT ON GYM ROOM LAYOUT.
3. REFER TO DESIGN REQUIREMENT C3020E-19 FLOOR TYPES FOR TYPES/LOCATIONS OF WOOD FLOORS.
4. REFER TO MANUFACTURERS SPECIFICATION AND SYSTEM DETAILS FOR SPECIFIC DESIGN REQUIREMENTS

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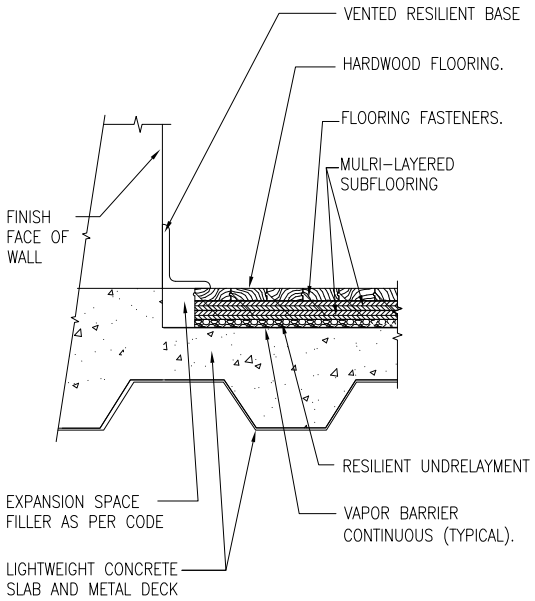
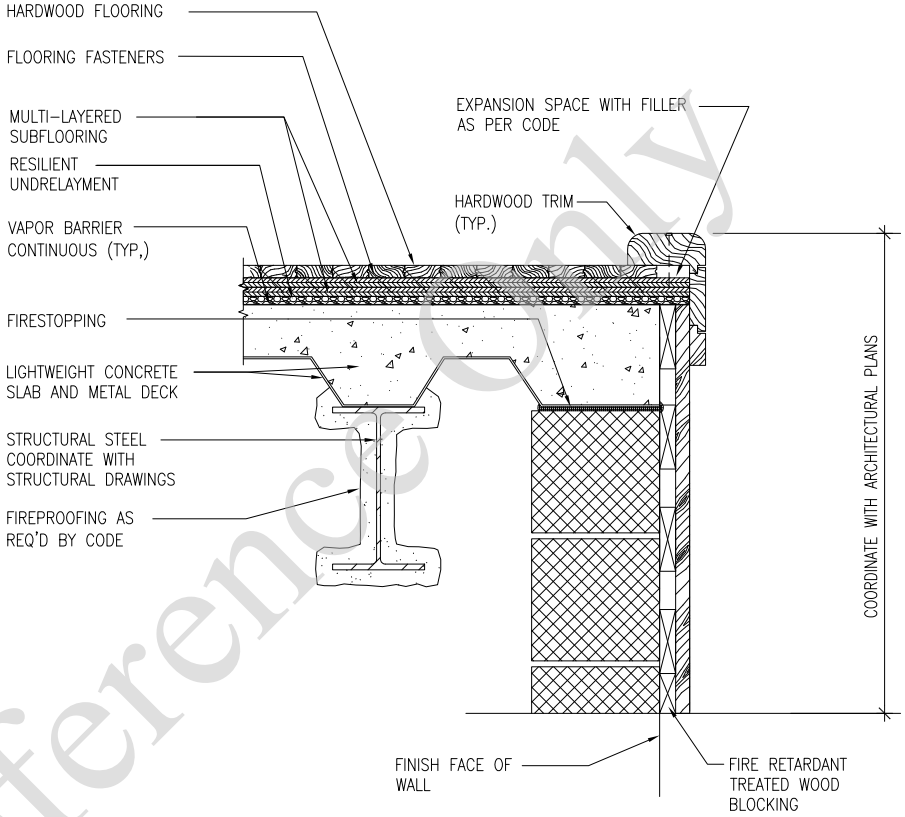
FLOATING WOOD FLOOR DETAILS

C2030-11-03



REAR OF STAGE / PLATFORM



FRONT OF STAGE / PLATFORM

1 FLOATING WOOD FLOOR @ STAGE / PLATFORM – DETAILS

0 6" 1' 2'

SCALE: 1" = 1'-0"

NOTE:

1. PROVIDE RESILIENT UNDERLAYMENT FOR FLOATING WOOD FLOOR @ PLATFORM / STAGES OVER OCCUPIED SPACES EXCEPT WHERE INDICATED IN DESIGN DETAIL C30, SEE SIMILAR DETAIL C3020-11-02.

1. COORDINATE SLAB DEPRESSION WITH WOOD MANUFACTURER SPECIFICATION AND STRUCTURAL DRAWINGS.
2. USE THIS DETAIL FOR TYPICAL AUDITORIUM STAGES / PLATFORMS.
3. REFER TO DESIGN REQUIREMENT C3020E-19 FLOOR TYPES FOR TYPES/LOCATIONS OF WOOD FLOORS.
4. REFER TO MANUFACTURERS SPECIFICATIONS AND SYSTEM DETAILS FOR SPECIFIC DESIGN REQUIREMENTS

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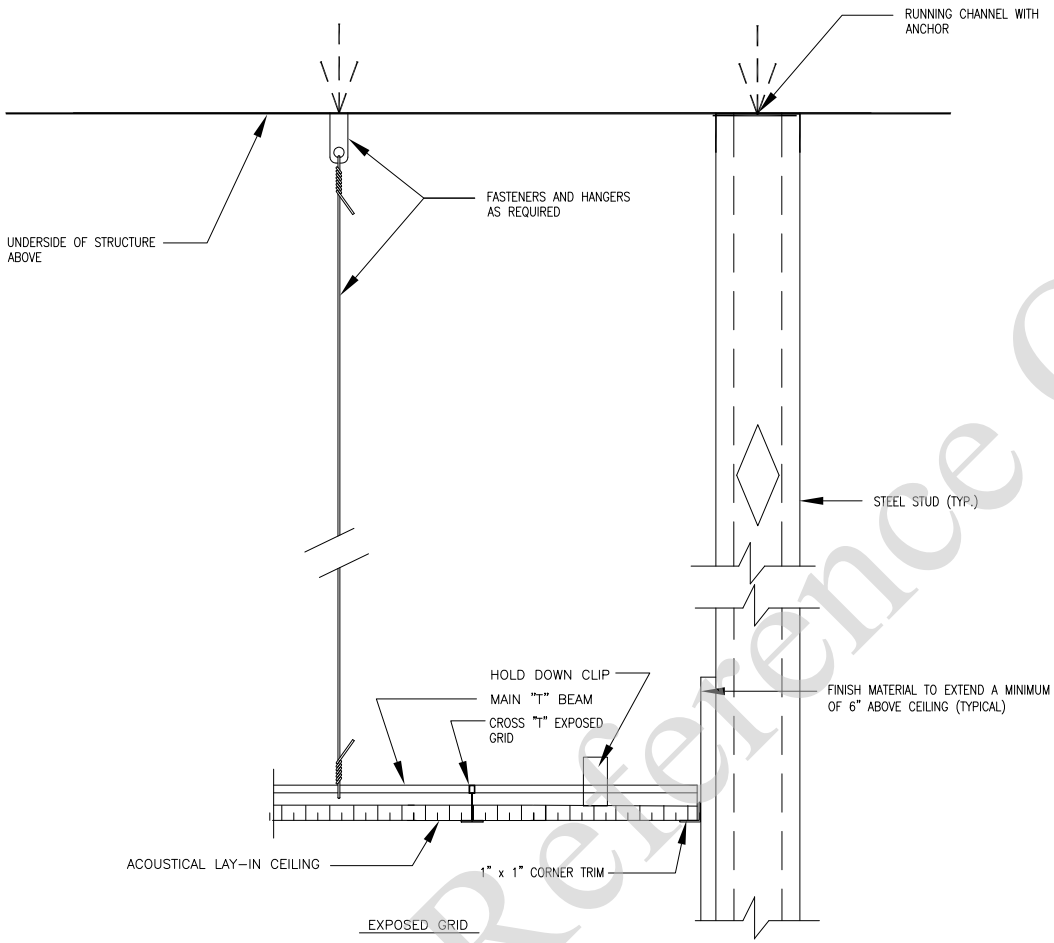
FLOATING WOOD FLOOR @ STAGE PLATFORM DETAILS

C2030-11-04



1 ACOUSTICAL LAY-IN TILE SUSPENDED CEILING EXPOSED GRID

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"

1. REFER TO SDA DESIGN REQUIREMENT C 30 APPENDIX 1 TABLE OF TYPICAL ROOMS AND FINISHES FOR CEILING LOCATIONS AND SECTION C3030 FOR CEILING TYPES, HEIGHTS, LIGHTING FIXTURE AND MECHANIICAL SUPPORT.

2. COORDINATE THIS DETAIL WITH ARCHITECTURAL PLANS AND REFLECTED CEILING PLANS.

3. ALL DUCTS AND MECHANICAL EQUIPMENT SHALL BE SUPPORTED INDEPENDENTLY FROM THE CEILING SYSTEM.

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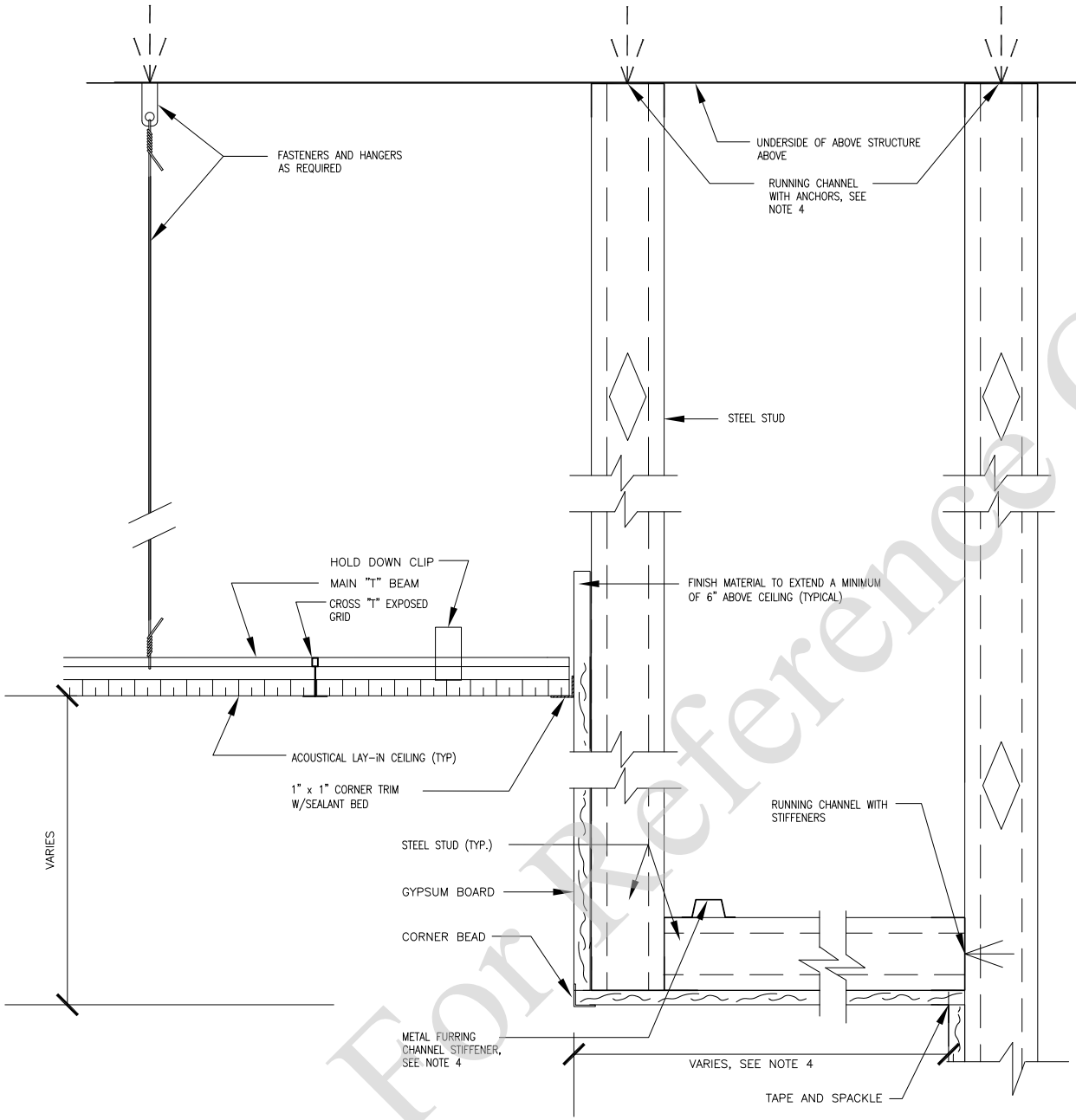
ACOUSTIC LAY-IN TILE SUSPENDED CEILING

C2050-11-01



1 GYPSUM BOARD SOFFIT AND SUSPENDED CEILING
ACOUSTICAL TILE LAY-IN CEILING

0 3" 6" 1'
SCALE: 1 1/2" = 1'-0"

1. REFER TO SDA DESIGN REQUIREMENT C 30 APPENDIX 1 TABLE OF TYPICAL ROOMS AND FINISHES FOR CEILING LOCATIONS AND SECTION C3030 FOR CEILING TYPES, HEIGHTS, LIGHTING FIXTURE AND MECHANIICAL SUPPORT.

2. COORDINATE THIS DETAIL WITH ARCHITECTURAL PLANS AND REFLECTED CEILING PLANS.

3. ALL DUCTS AND MECHANICAL EQUIPMENT SHALL BE SUPPORTED INDEPENDENTLY FROM THE CEILING SYSTEM.

4. COORDINATE SUPPORT SPACING AND ANCHORS AS PER CODE AND LIGHT GAGE STUD ASSEMBLY ENGINEERING REQUIREMENTS.

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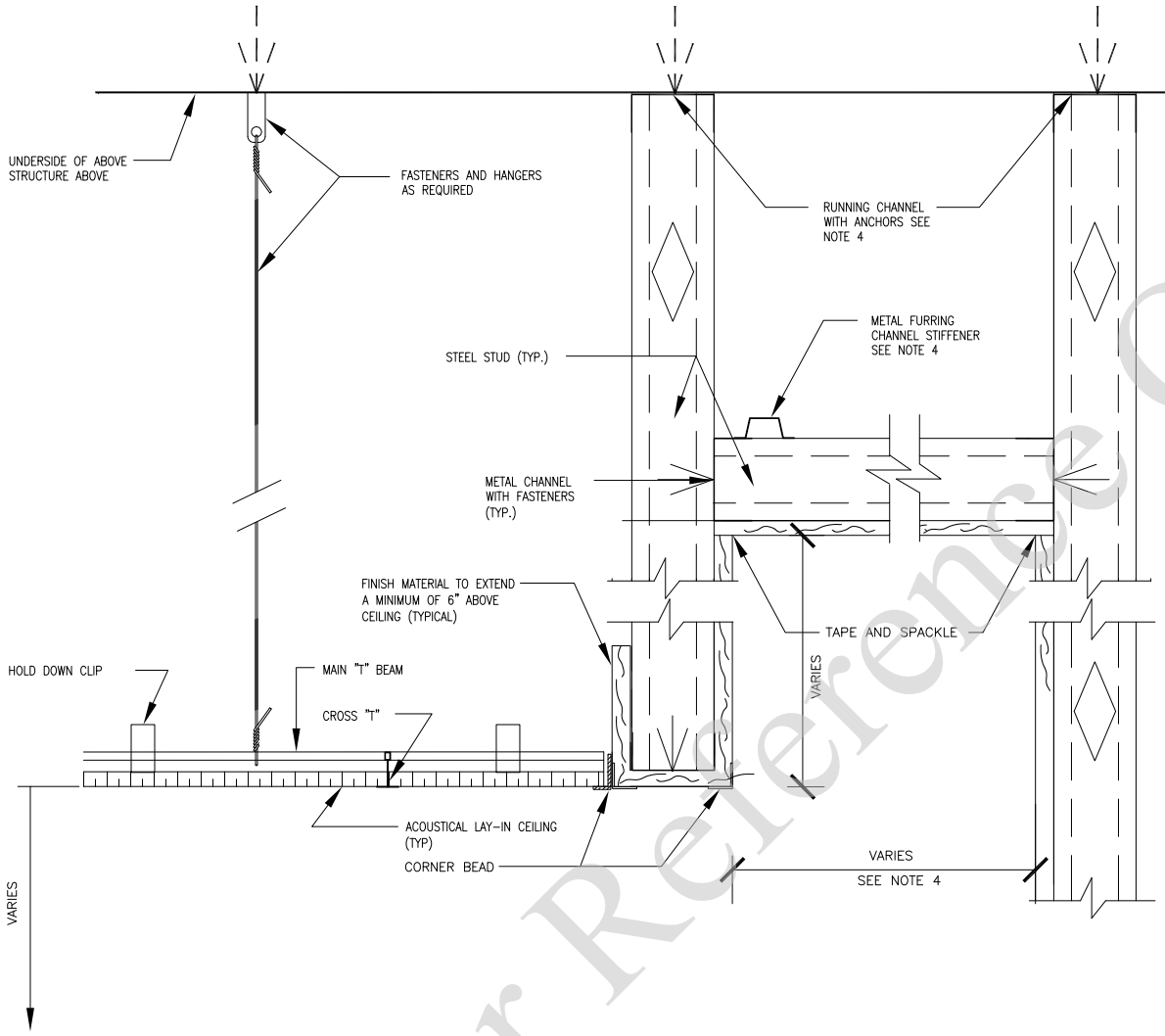
GYPSUM BOARD SOFFIT WITH ACOUSTICAL LAY-IN TILE SUSPENDED CEILING

C2050-11-02



1 GYPSUM BOARD POCKET AND SUSPENDED CEILING

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"

1. REFER TO SDA DESIGN REQUIREMENT C 30 APPENDIX 1 TABLE OF TYPICAL ROOMS AND FINISHES FOR CEILING LOCATIONS AND SECTION C3030 FOR CEILING TYPES, HEIGHTS, LIGHTING FIXTURE AND MECHANIICAL SUPPORT.

2. COORDINATE THIS DETAIL WITH ARCHITECTURAL PLANS AND REFLECTED CEILING PLANS.

3. ALL DUCTS AND MECHANICAL EQUIPMENT SHALL BE SUPPORTED INDEPENDENTLY FROM THE CEILING SYSTEM.

4. IN LIEU OF THE DETAIL ILLUSTRATED A GYPSUM BOARD CEILING MAY BE SUPPORTED BY APPROPRIATELY SIZED LIGHT GAGE GALVANIZED METAL OR GRID, TEE FRAMING SYSTEM.

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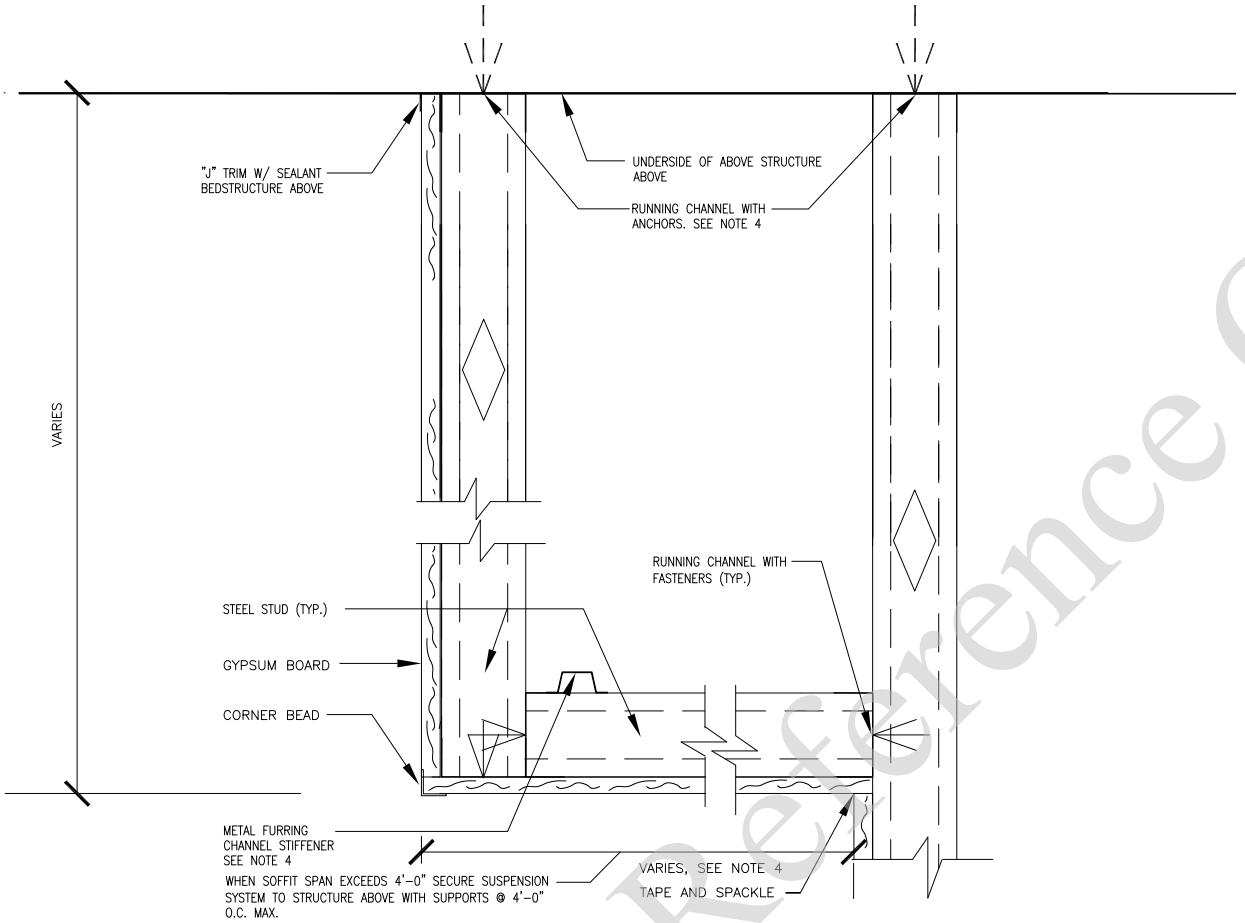
GYPSUM BOARD POCKET WITH ACOUSTICAL LAY-IN TILE SUSPENDED CEILING

C2050-11-03



1 GYPSUM BOARD SOFFIT "NO" SUSPENDED CEILING DETAIL

0 3" 6" 1'

SCALE: 1 1/2" = 1'-0"

1. REFER TO SDA DESIGN REQUIREMENT C 30 APPENDIX 1 TABLE OF TYPICAL ROOMS AND FINISHES FOR CEILING LOCATIONS AND SECTION C3030 FOR CEILING TYPES, HEIGHTS, LIGHTING FIXTURE AND MECHANIICAL SUPPORT.

2. COORDINATE THIS DETAIL WITH ARCHITECTURAL PLANS AND REFLECTED CEILING PLANS.

3. ALL DUCTS AND MECHANICAL EQUIPMENT SHALL BE SUPPORTED INDEPENDENTLY FROM THE CEILING SYSTEM.

4. IN LIEU OF THE DETAIL ILLUSTRATED A GYPSUM BOARD CEILING MAY BE SUPPORTED BY APPROPRIATELY SIZED LIGHT GAGE GALVANIZED METAL OR GRID, TEE FRAMING SYSTEM.

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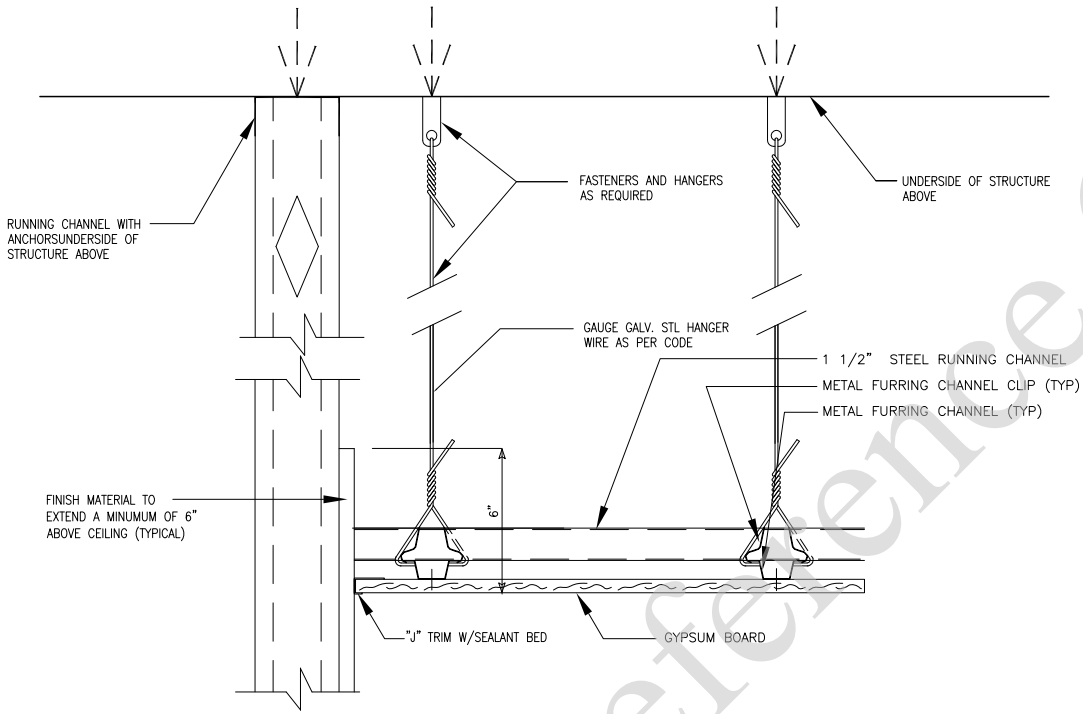
GYPSUM BOARD SOFFIT WITH NO SUSPENDED CEILING

C2050-11-04



1 GYPSUM BOARD SUSPENDED CEILING DETAIL

0 3" 6" 1'

SCALE: 1-1/2" = 1'-0"

1. REFER TO SDA DESIGN REQUIREMENT C 30 APPENDIX 1 TABLE OF TYPICAL ROOMS AND FINISHES FOR CEILING LOCATIONS AND SECTION C3030 FOR CEILING TYPES, HEIGHTS, LIGHTING FIXTURE AND MECHANIICAL SUPPORT.

2. COORDINATE THIS DETAIL WITH ARCHITECTURAL PLANS AND REFLECTED CEILING PLANS.

3. ALL DUCTS AND MECHANICAL EQUIPMENT SHALL BE SUPPORTED INDEPENDENTLY FROM THE CEILING SYSTEM.

4. IN LIEU OF THE DETAIL ILLUSTRATED A GYPSUM BOARD CEILING MAY BE SUPPORTED BY APPROPRIATELY SIZED LIGHT GAGE GALVANIZED METAL OR GRID, TEE FRAMING SYSTEM.

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GYPSUM BOARD SUSPENDED CEILING

C2050-11-05

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NJSDA Model Schools Program Materials and Systems Standards Manual

Construction Details Manual

Section G: Building Sitework

Issue Date: September 19, 2011

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NJSDA Model Schools Program Materials and Systems Standards Manual

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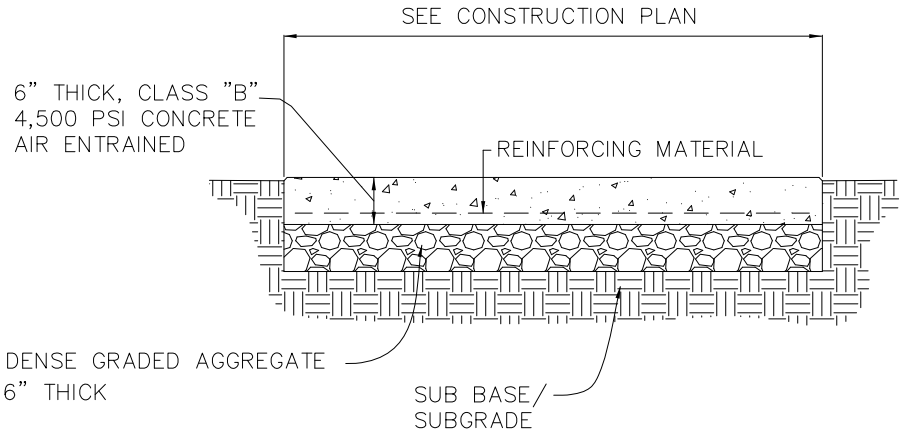
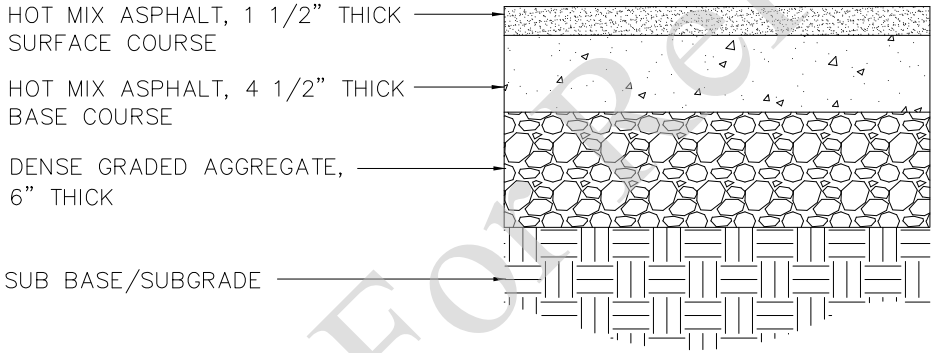
Section G20: Site Improvements

Issue Date: September 19, 2011



REINFORCED CONCRETE PAVEMENT DETAIL

NOT TO SCALE



BITUMINOUS PAVEMENT DETAIL

NOT TO SCALE

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

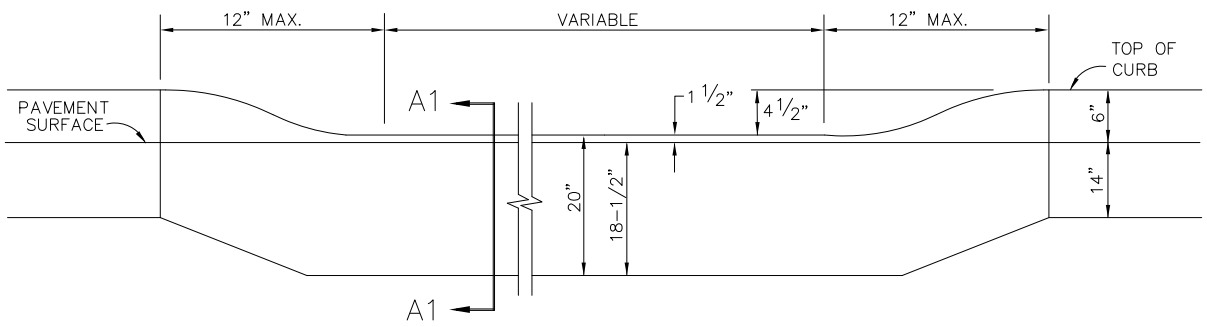
MATERIALS & SYSTEM STANDARDS

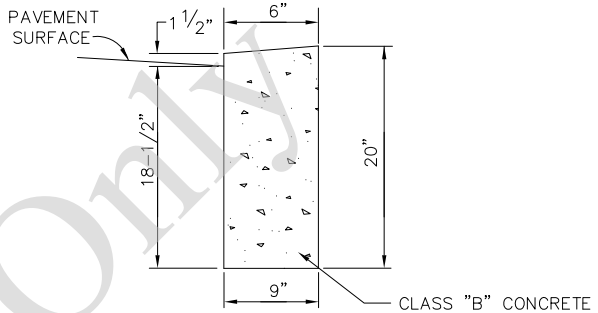
SDA Project #:	M&SS
Drawn by:	MDS
Revision:	-
Date:	19 SEPTEMBER 2011
Scale:	AS NOTED

NOT FOR CONSTRUCTION
REFER TO DISCLAIMER

PAVING AND SURFACING

G2012-11-1

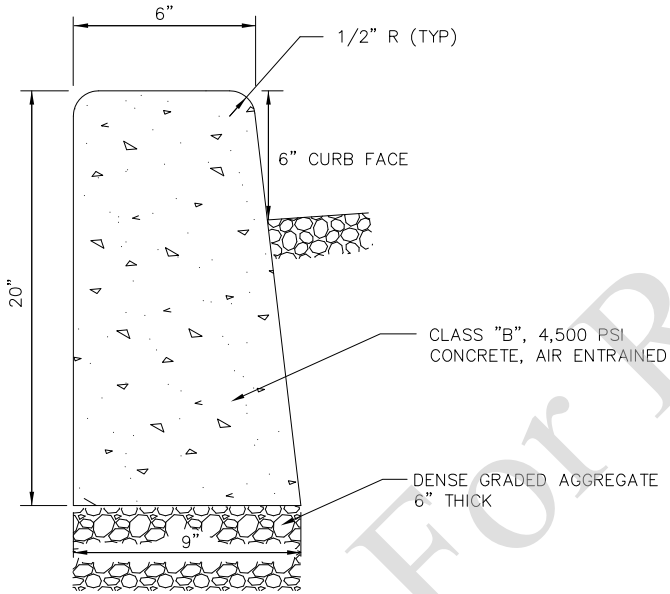




SECTION A1–A1

DEPRESSED CONCRETE CURB DETAIL

NOT TO SCALE



9" X 20" CONCRETE CURB DETAIL

NOT TO SCALE

NOTES:

1. A HALF INCH EXPANSION JOINT OF A NON–EXTRUDABLE, BITUMASTIC MATERIAL SHALL BE PLACED ON 20 FT. CENTERS MAXIMUM.

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MATERIALS & SYSTEM STANDARDS

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Revision: -

Date: 19 SEPTEMBER 2011

Scale: AS NOTED

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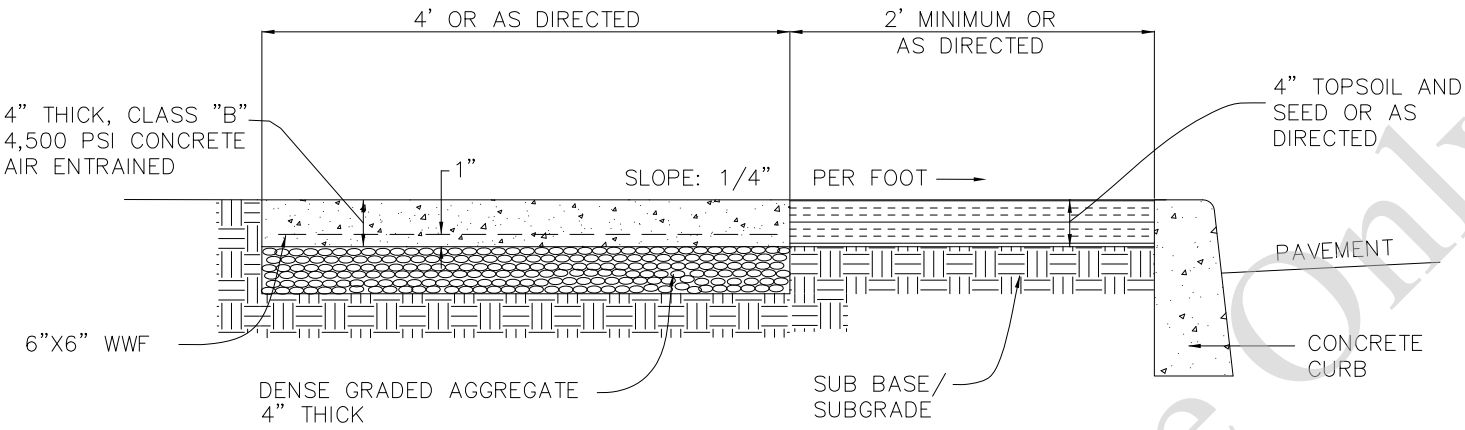
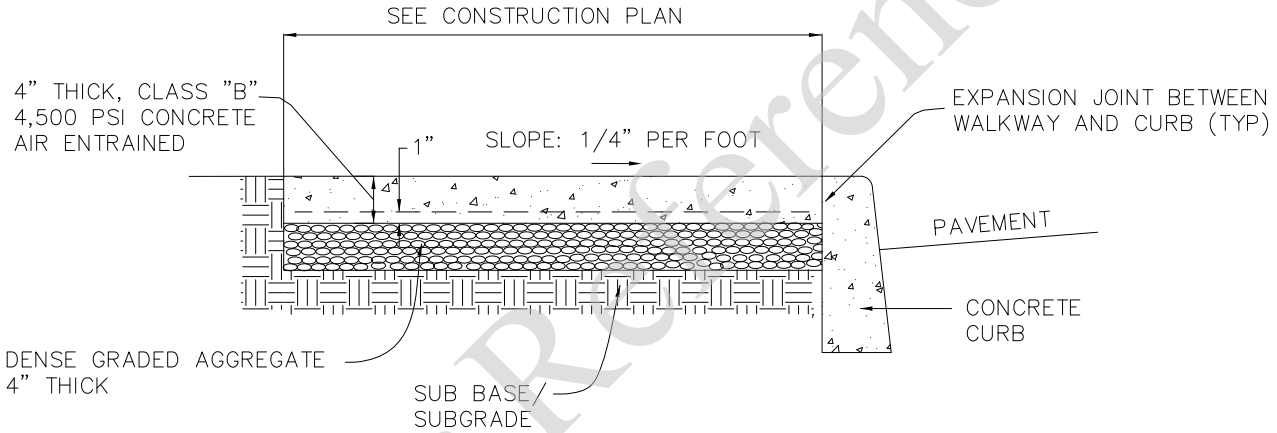
CURBS, GUITTERS AND DRAINS

G2013-11-1





CONCRETE WALKWAY DETAIL

NOT TO SCALE

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY
1 WEST STATE STREET
TRENTON, NEW JERSEY 08625

MATERIALS & SYSTEM STANDARDS

SDA Project #: M&SS

Drawn by: MDS

Revision: -

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Scale: AS NOTED

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CONCRETE WALKWAYS

G2031-11-1