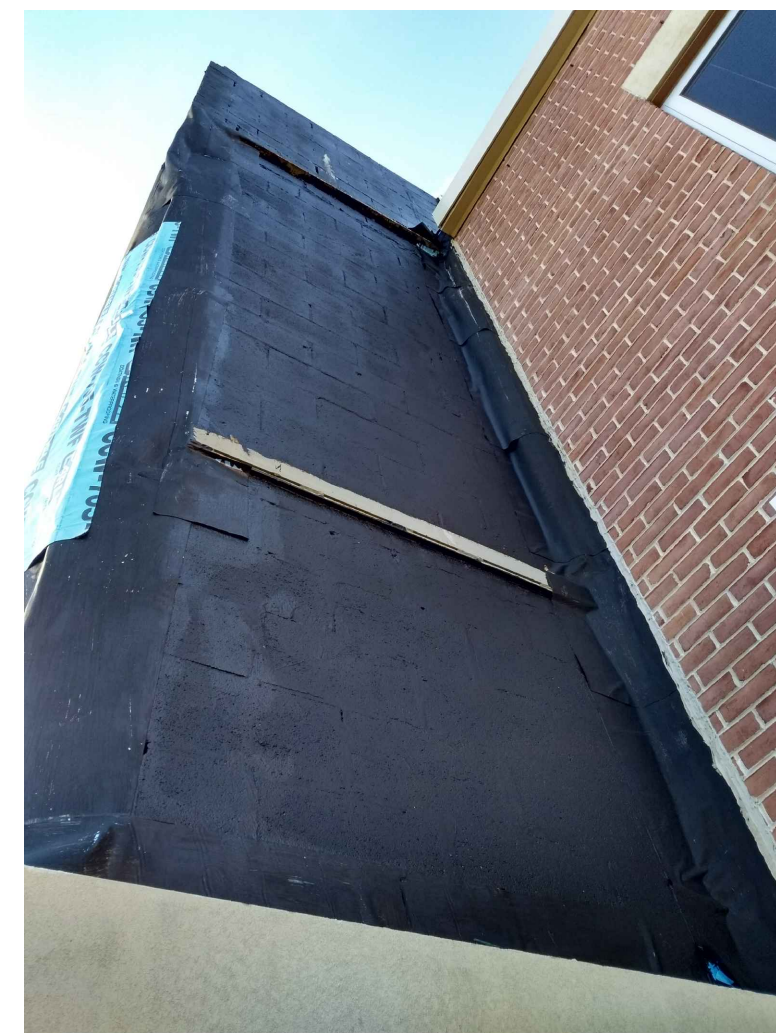


Methacton SCHOOL DISTRICT

2020 HIGH SCHOOL FRONT ENTRY REPLACEMENT PROJECT 1005 KRIEBEL MILL ROAD EAGLEVILLE, PA. MSD PROJECT #20.7.8



PROPOSED ENTRANCE
N.T.S.

GENERAL CONSTRUCTION WORK

GENERAL

- TYPICAL SECTIONS AND DETAILS - ALL SECTIONS, DETAILS AND NOTES ARE INTENDED TO BE TYPICAL UNLESS OTHERWISE DETAILED. SHOP AND ERECTION DRAWINGS SUBMITTED BY THE CONTRACTOR SHALL SHOW APPLICATION OF TYPICAL SECTIONS AND DETAILS FOR SIMILAR SITUATIONS.
- OPENINGS AND EMBEDDED ITEMS - ALL CURBED AND OTHER OPENINGS, EQUIPMENT BASES, DEPRESSIONS, FRAMES, CASTINGS, PIPE SLEEVES, CONDUITS, INSERTS, EDGE PROTECTION, ANCHOR BOLTS AND SIMILAR ITEMS SHALL BE PROVIDED, LOCATED AND INSTALLED AS SHOWN ON APPROVED SHOP DRAWINGS FOR MANUFACTURED ITEMS AND OTHER TRADES.
- VERIFY EXISTING UTILITIES. INFORM AND OBTAIN REQUIRED PERMITS FROM OWNERS OF SUCH UTILITIES BEFORE STARTING ANY WORK.
- JOB SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- GIVEN AGE OF BUILDING, THE EXISTENCE OF HAZARDOUS MATERIALS IS POSSIBLE. THE OWNER SHALL PROVIDE A HAZARDOUS MATERIAL REPORT BY A THIRD PARTY CONTRACTOR FOR ALL ASBESTOS TESTING. CONTRACTOR TO INCLUDE LEAD PAINT TESTING ON THE STUCCO OF AREAS TO BE RE-COATED PRIOR TO RE-COATING WORK AS PART OF THE BASE SCOPE OF WORK.

STRUCTURAL DESIGN CRITERIA

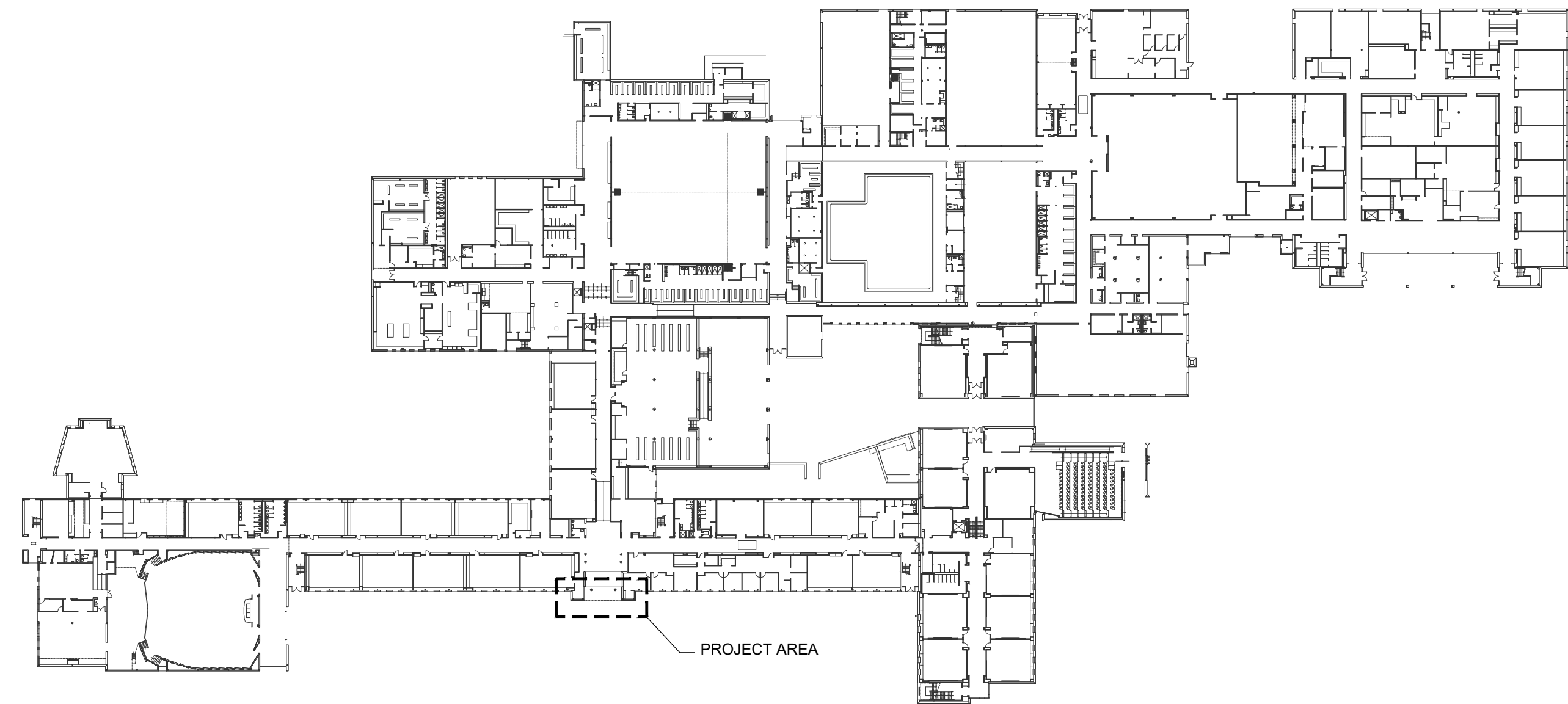
- GOVERNING CODES: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE7) INTERNATIONAL BUILDING CODE (IBC)

EXISTING CONDITIONS

- ALL DIMENSIONS, ELEVATIONS AND PHYSICAL CONDITIONS SHOWN ON THE DRAWINGS FOR EXISTING STRUCTURES ARE BASED UPON LIMITED FIELD INSPECTIONS AND OTHER AVAILABLE SOURCES. SUCH DEPICTIONS OF EXISTING CONSTRUCTION ARE INTENDED TO BE GENERAL, APPROXIMATE AND LIMITED TO THOSE AREAS FOR WHICH WORK IS REQUIRED, AND ARE PROVIDED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. PRIOR TO BIDDING, AND/OR CONSTRUCTION, CONDUCT A CAREFUL EXAMINATION OF EXISTING CONDITIONS AT THE SITE APPLICABLE TO THE WORK EXACT EXTENT OF THE CONSTRUCTION WORK CANNOT BE NECESSARILY OR ACCURATELY DETERMINED PRIOR TO COMMENCEMENT OF WORK. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO THE CONSTRUCTION DETAILS, MATERIAL QUANTITIES AND EXTENT OF THE MODIFICATION WORK SHOWN ON CONTRACT DRAWINGS. PERFORM THE WORK TO MEET FIELD CONDITIONS ENCOUNTERED.
- EXAMINE AND FIELD VERIFY ALL EXISTING AND GIVEN DIMENSIONS AND CONDITIONS PRIOR TO COMMENCEMENT OF THE WORK AND FABRICATION OF CONSTRUCTION MATERIALS. REPORT VARIANCES FROM THE DRAWINGS AND SPECIFICATIONS AND POTENTIAL INTERFERENCES PROMPTLY TO THE ENGINEER. INCORPORATE ACTUAL FIELD CONDITIONS AND DIMENSIONS IN THE WORK AND INDICATE CHANGES AND ADJUSTMENTS ON DRAWINGS SUBMITTED FOR APPROVAL.

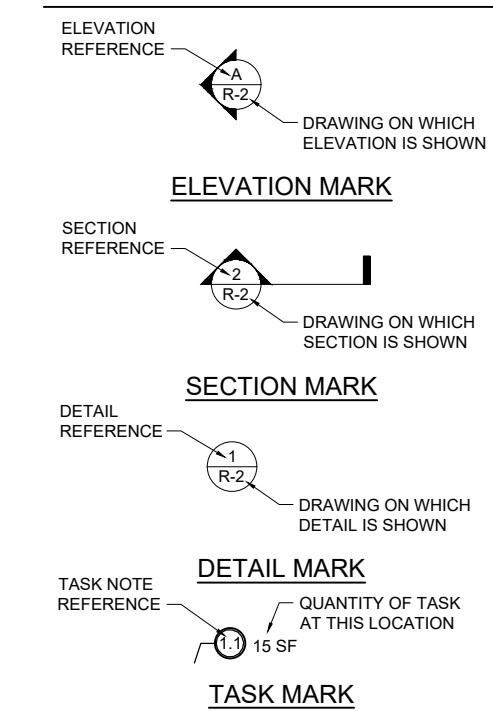
CONSTRUCTION OPERATIONS

- ASSUME AN ABSOLUTE OBLIGATION TO PROTECT EXISTING STRUCTURES AND EQUIPMENT, NEW WORK, PERSONNEL, STUDENTS, AND THE GENERAL PUBLIC FROM DAMAGE, LOSS OR INJURY RESULTING FROM THE CONTRACTOR'S OPERATIONS. IN THE EVENT OF SUCH DAMAGE OR LOSS, PROMPTLY REPLACE OR RESTORE THE WORK TO AN EQUIVALENT QUALITY TO THE SATISFACTION OF THE ENGINEER AND AT NO EXPENSE TO THE OWNER.
- REMOVE TO THE EXTENT INDICATED AND PROPERLY DISPOSE OF EXISTING STRUCTURES AND MATERIALS TO BE DEMOLISHED IN ACCORDANCE WITH THE SPECIFICATIONS.
- EXCAVATIONS WHICH MAY UNDERMINE EXISTING STRUCTURES TO REMAIN SHALL BE BRACED BY A SUITABLE EXCAVATION SUPPORT SYSTEM DESIGNED IN ACCORDANCE WITH THE SPECIFICATIONS AND APPROVED BY THE ENGINEER. DESIGN SHALL BE PERFORMED BY A QUALIFIED PROFESSIONAL ENGINEER CURRENTLY REGISTERED IN THE COMMONWEALTH OF PENNSYLVANIA.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THE NEW AND EXISTING CONSTRUCTION AT ALL TIMES DURING THE WORK. ANY CONDITION ENCOUNTERED BY THE CONTRACTOR WHICH COULD IMPAIR THE STRUCTURAL INTEGRITY SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER. THE CONTRACTOR SHALL IDENTIFY ALL OVERHEAD UTILITY LINES AND COMPLY WITH CORRESPONDING CLEARANCE REQUIREMENTS.
- THE CONTRACTOR SHALL COORDINATE, MAINTAIN, SUPPORT, PROTECT AND RESTORE EXISTING PUBLIC AND PRIVATE UTILITIES AFFECTED BY CONSTRUCTION. THE CONTRACTOR SHALL COMPLY WITH UTILITY COMPANY REQUIREMENTS FOR THE PROTECTION OF EXISTING UTILITIES.
- ALL DISCARDED, DEMOLISHED OR EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED, MATERIALS SHALL BE PROPERLY DISPOSED OF OFF SITE, IN ACCORDANCE WITH ALL APPLICABLE STATUTORY REQUIREMENTS.
- THE CONTRACTOR IS ADVISED THAT THE WORK SCHEDULE SHALL CONFORM STRICTLY TO THE OPERATIONAL REQUIREMENTS SPECIFIED UNDER VARIOUS SECTIONS OF THE SPECIFICATIONS WITH RESPECT TO PROTECTION, SCHEDULING, AND COORDINATION REQUIREMENTS.
- THE CONTRACTOR SHALL EXECUTE CONSTRUCTION OPERATIONS IN A MANNER TO MINIMIZE NOISE IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATIONS.

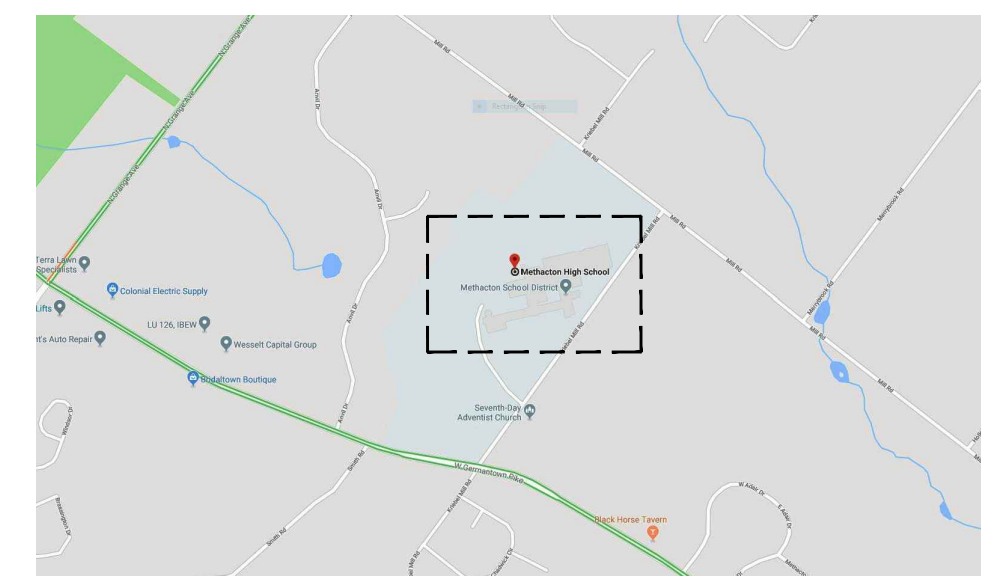


FLOOR PLAN

CROSS REFERENCING:



LEGEND :

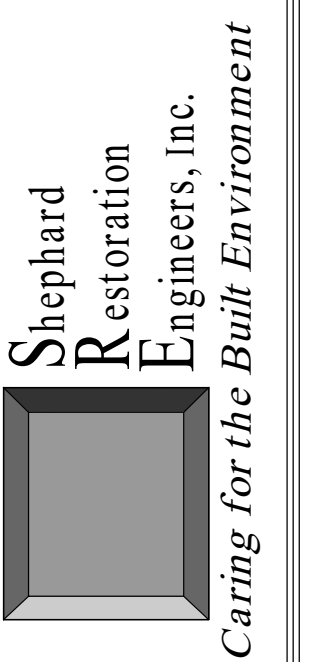


LOCATION MAP

Rev. No.	Date	Description of Revision
1	1/7/20	BID SET

METHACTON SCHOOL DISTRICT
METHACTON HIGH SCHOOL
1005 KRIEBEL MILL ROAD, EAGLEVILLE, PA
2020 HIGH SCHOOL FRONT ENTRY REPLACEMENT PROJECT (20.7.8)
COVER SHEET

335 W. STATE STREET
FIRST FLOOR
MEDIA, PA 19063
Phone 484-442-8137
Fax 484-442-8139



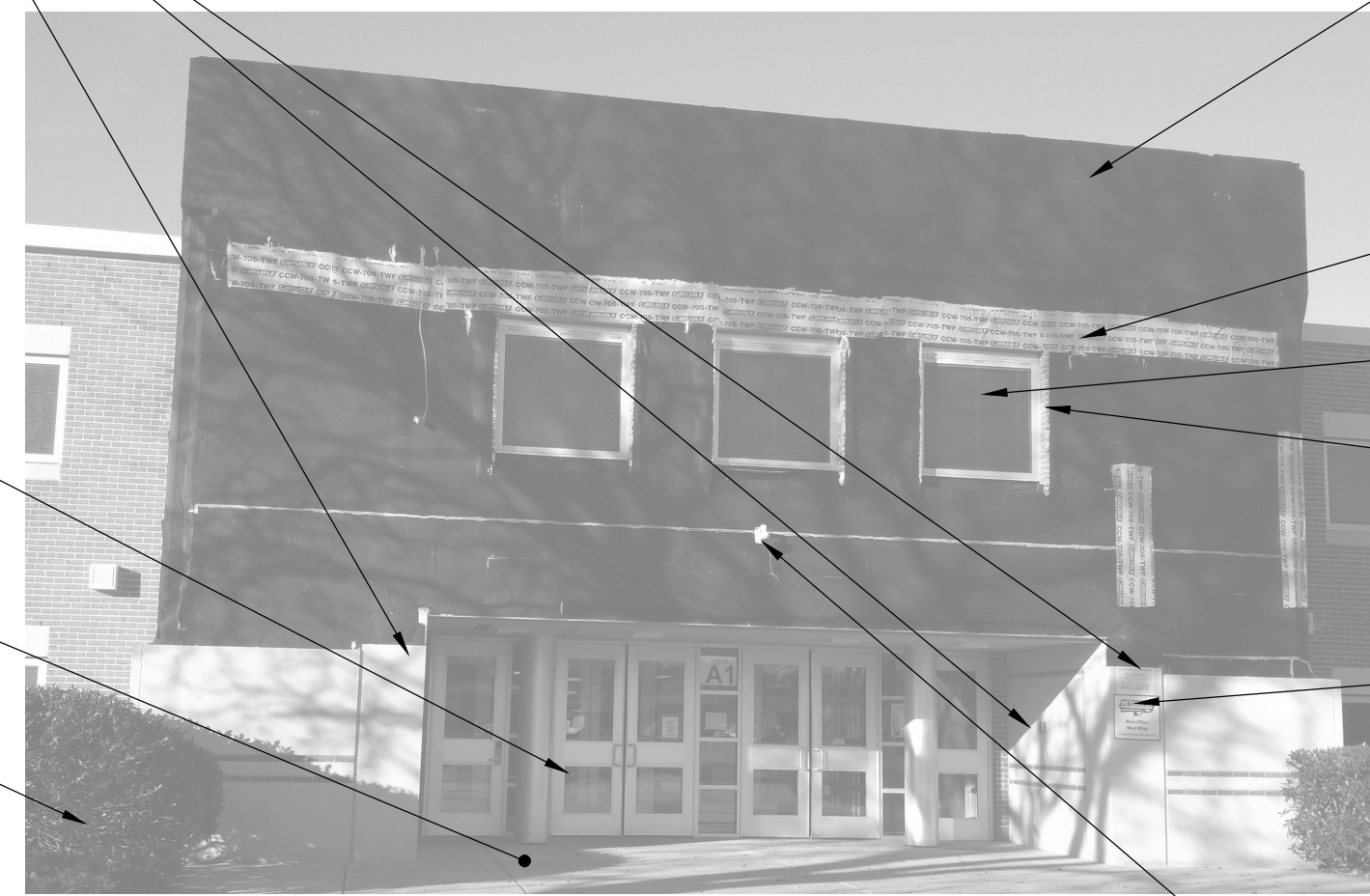
Project No.
2019.020
Date 1/7/2020
Designed SJV
Drawn AJG/WJG
Checked TPS

REMOVE EXISTING STONE UNITS AND BRICK BANDING AT FRONT, EAST AND WEST RETURNS AND SIDES UNDER OVERHANG IN THEIR ENTIRETY. INSTALL NEW AIR BARRIER TO MATCH EXISTING DOWN TO GRADE. TIE INTO EXISTING AIR BARRIER PER MANUFACTURER'S RECOMMENDATION.

EXISTING ALUMINUM DOORS TO REMAIN INTACT AND UNDAMAGED. PROTECT AS REQUIRED DURING WORK. COORDINATE WITH OWNER FOR ACCESS REQUIREMENTS.

EXISTING SIDEWALK TO REMAIN INTACT AND UNDAMAGED. PROTECT AS REQUIRED DURING CONSTRUCTION WORK.

EXISTING LANDSCAPE TO REMAIN. PROTECT AS REQUIRED DURING CONSTRUCTION WORK. TYPICAL AT BOTH SIDES.



CONTRACTOR TO ENGAGE AIR & VAPOR BARRIER REPRESENTATIVE TO REVIEW EXISTING AIR/VAPOR BARRIER FOR DEFECTS AND INCONSISTENCIES. CORRECT ALL DEFECTS AS REQUIRED BY REPRESENTATIVE TO RESULT IN FULLY WARRANTED SYSTEM. ASSUME 25% RE-APPLICATION FOR BIDDING PURPOSES. EXISTING AIR/VAPOR BARRIER = CARLISLE, BARRISEAL-R.

REMOVE EXISTING PEEL AND STICK FLASHING AT EXISTING STEEL LOCATIONS. PREPARE, PRIME AND PAINT ALL EXISTING STEEL.

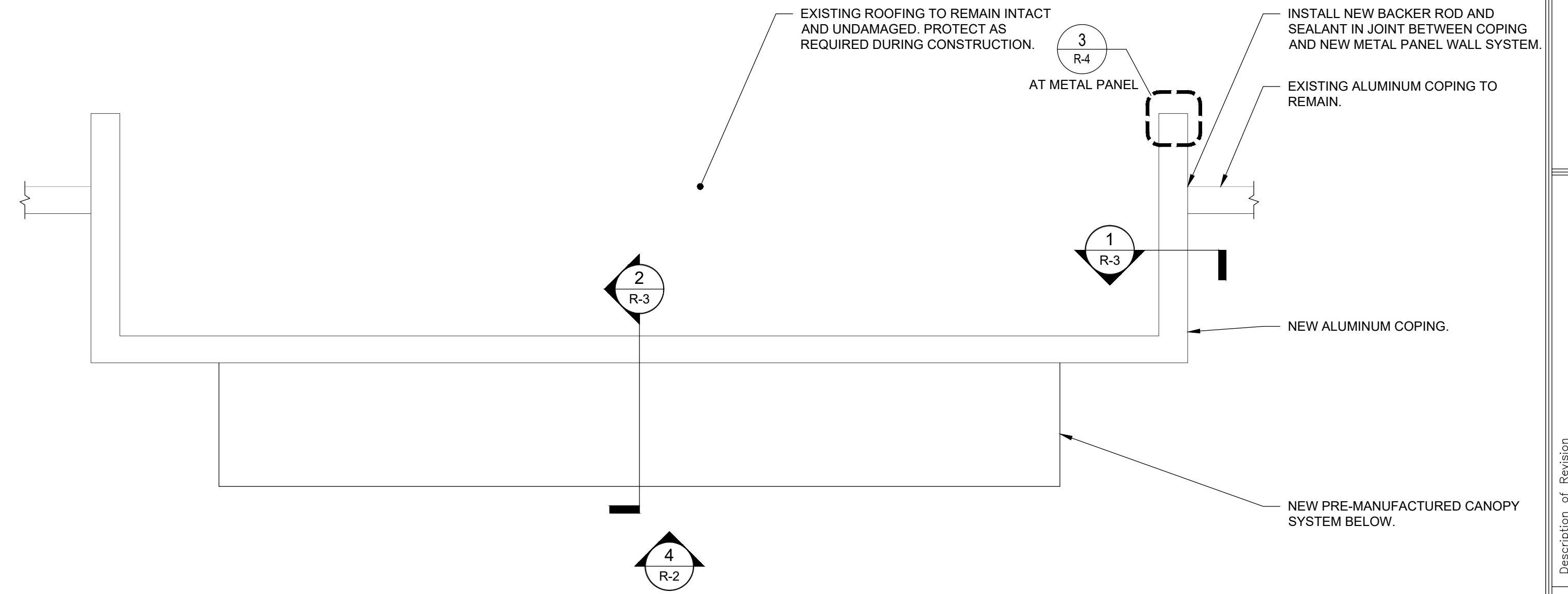
EXISTING WINDOWS TO REMAIN INTACT AND UNDAMAGED. PROTECT AS REQUIRED DURING CONSTRUCTION WORK.

REPOINT EXISTING BRICK AT JAMBS. RESET AS REQUIRED TO SECURE BRICK.

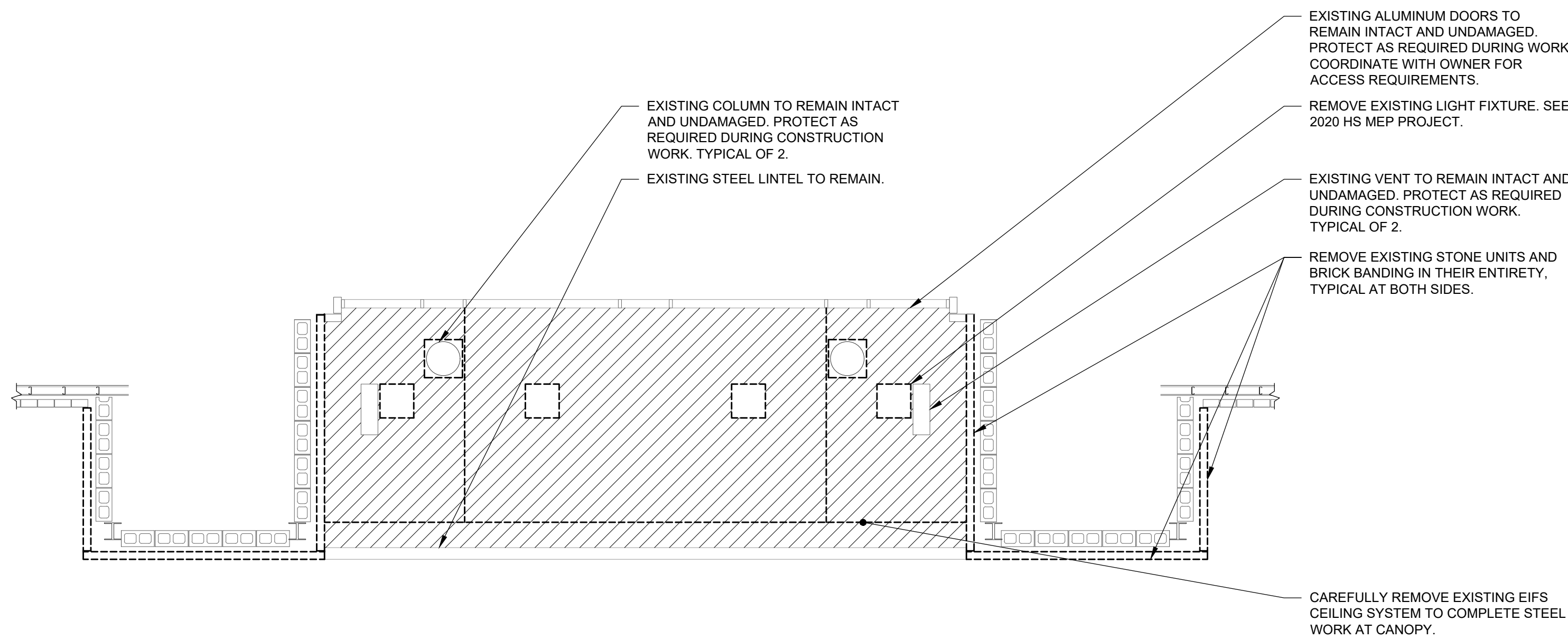
CAREFULLY REMOVE EXISTING SIGNS. TURN OVER TO OWNER.

EXISTING CAMERA. COORDINATE WORK WITH OWNER.

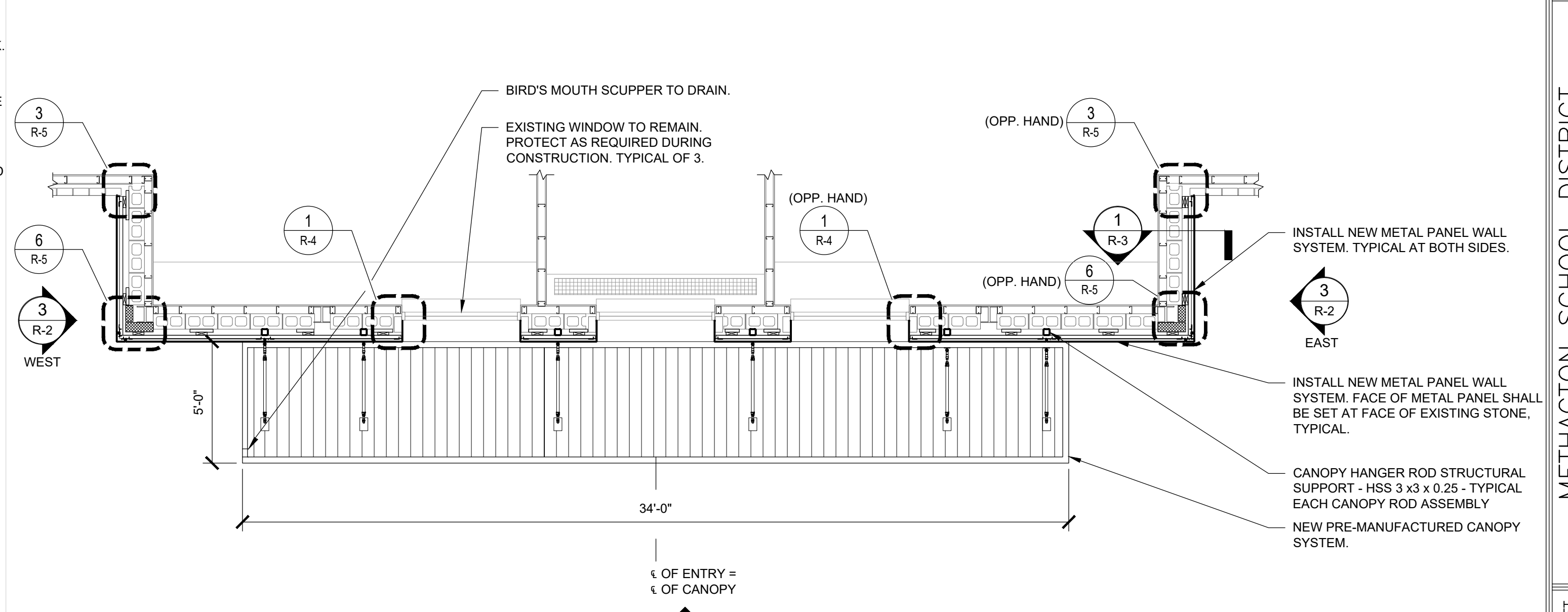
1 DEMOLITION
SCALE: 1/4" = 1'-0"



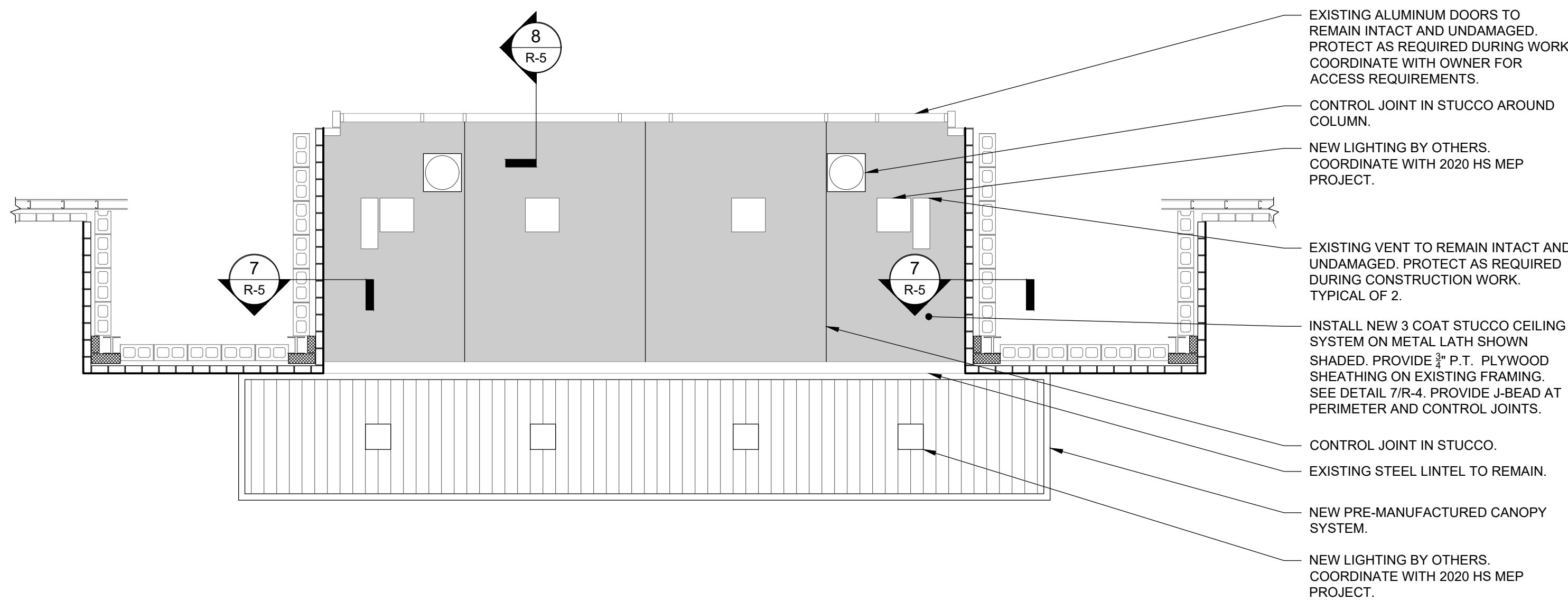
4 ROOF PLAN
SCALE: 1/4" = 1'-0"



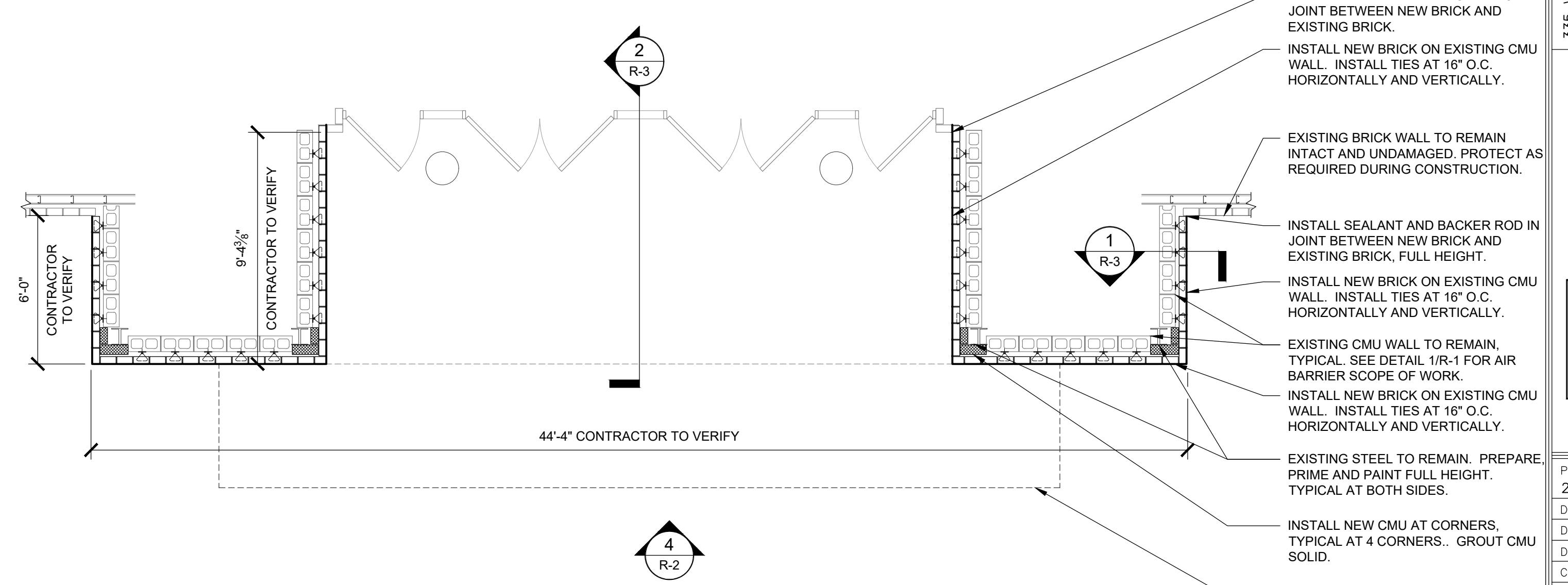
2 REFLECTED CEILING PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"



5 SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



3 REFLECTED CEILING PLAN - NEW WORK
SCALE: 1/4" = 1'-0"



6 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

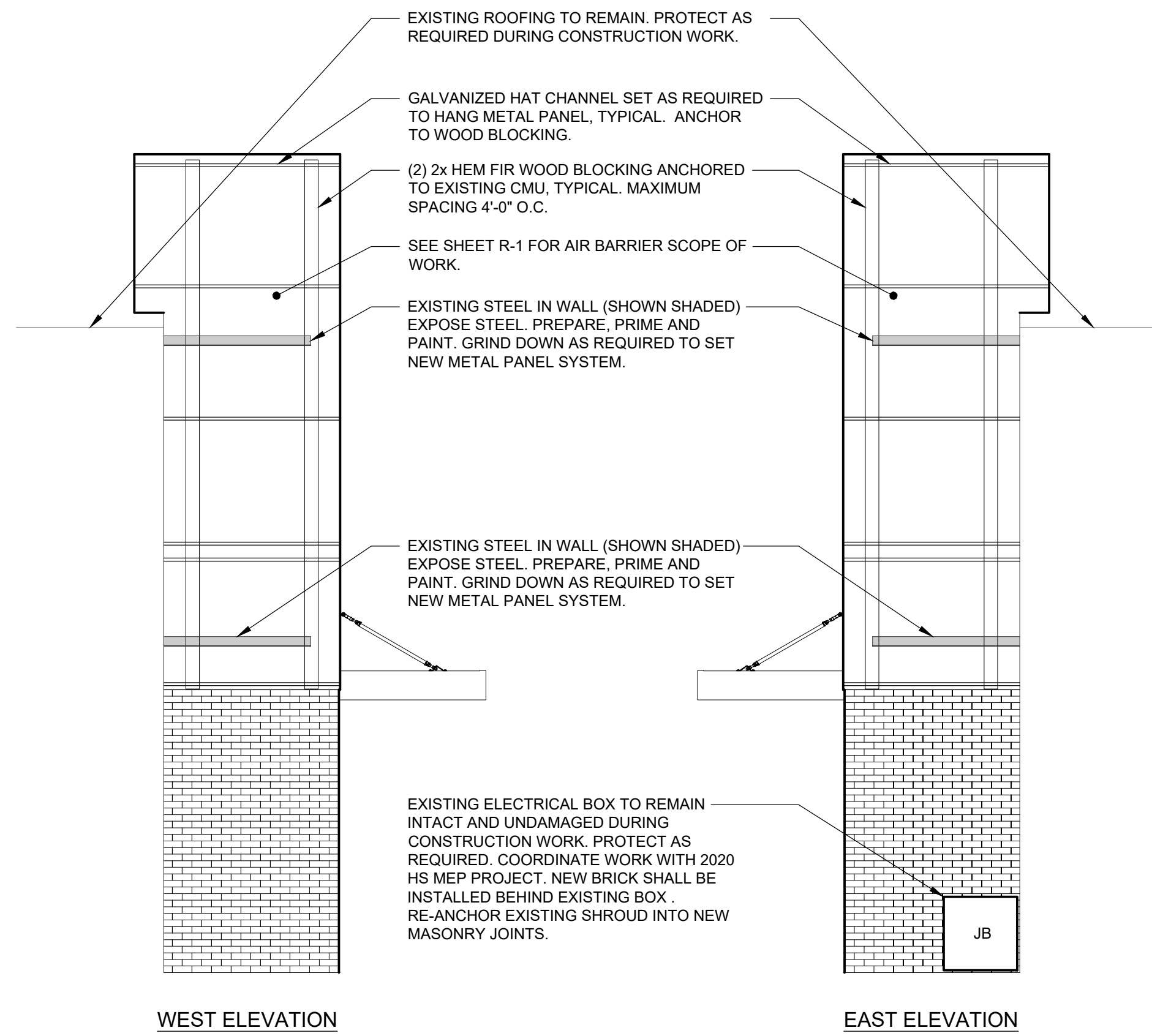
Rev. No.	Date	Description of Revision
1	1/7/20	BID SET

METHACTON SCHOOL DISTRICT
METHACTON HIGH SCHOOL
1005 KRIEBEL MILL ROAD, EAGLEVILLE, PA
2020 HIGH SCHOOL FRONT ENTRY REPLACEMENT PROJECT (20.7.8)
REFERENCE PLAN AND DEMOLITION

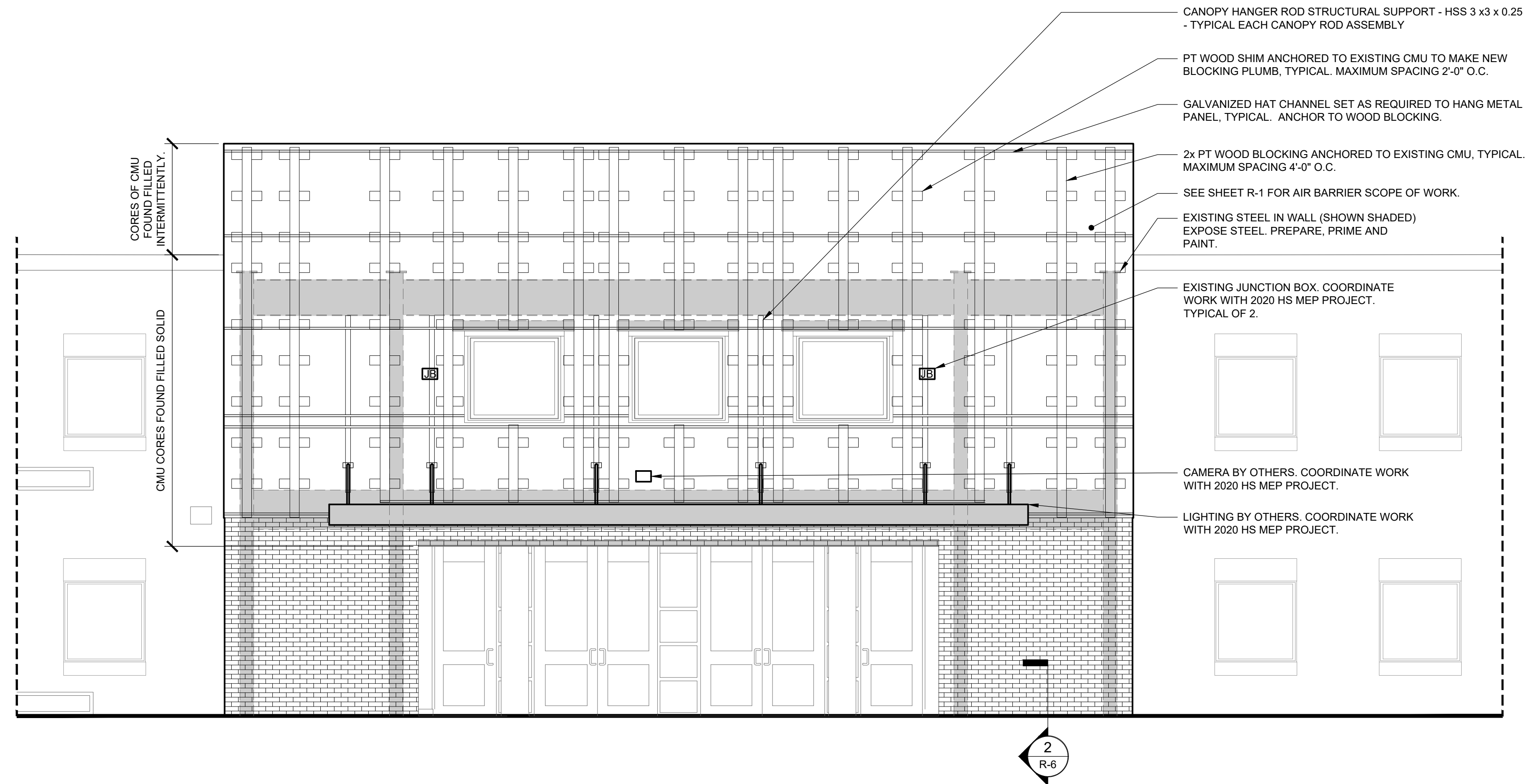
335 W. STATE STREET
FIRST FLOOR
MEDIA, PA 19063
Phone: 484-442-8137
Fax: 484-442-8139

Shepherd
Restoration
Engineers, Inc.
Caring for the Built Environment

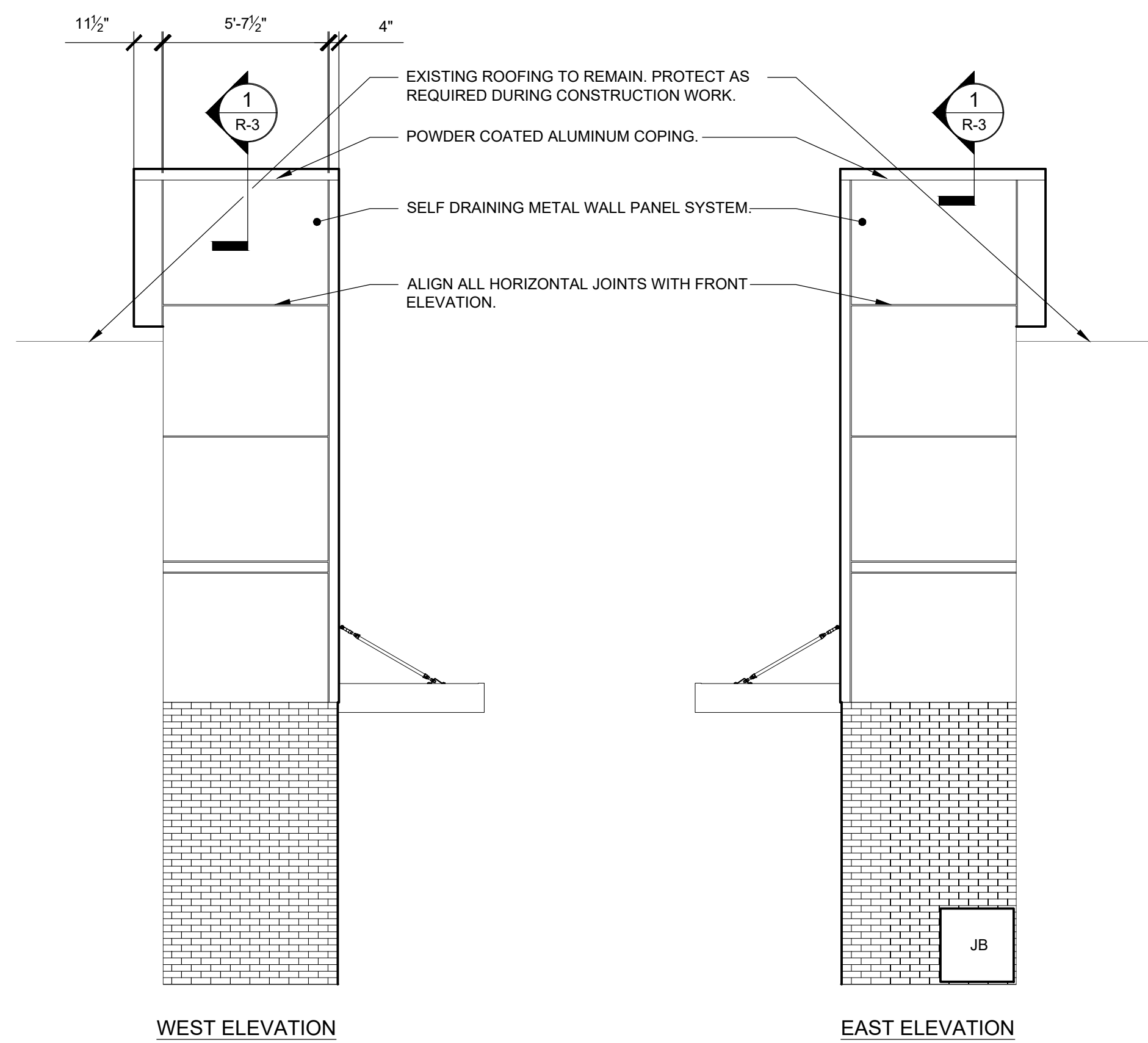
Project No.
2019.020
Date 1/7/2020
Designed SJV
Drawn AJG/WJG
Checked TPS



1
R-2
STRUCTURAL SUPPORT FOR METAL PANEL - WALL RETURNS
SCALE: 1/4" = 1'-0"

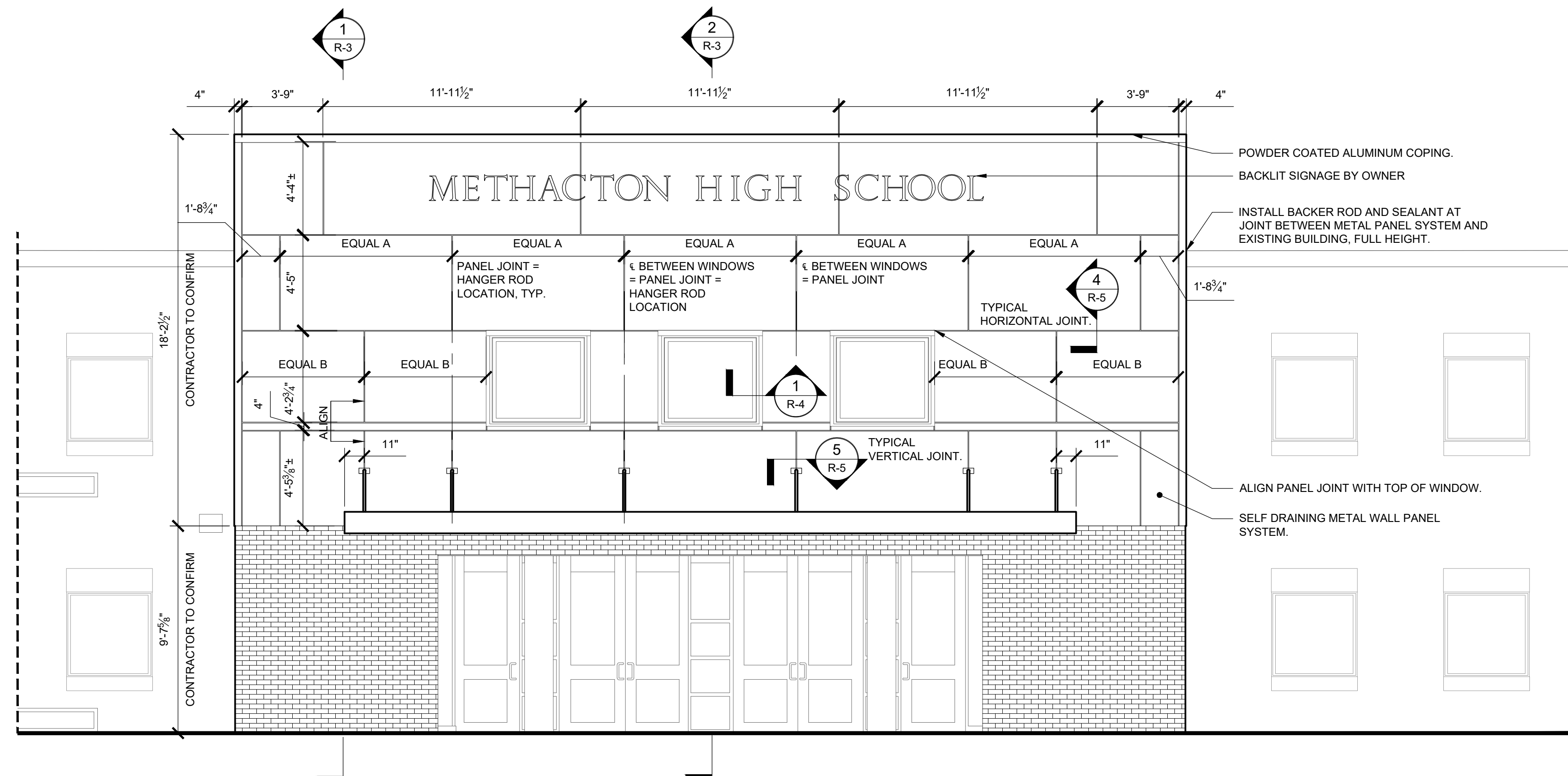


2
R-2
STRUCTURAL SUPPORT FOR METAL PANEL - SOUTH ENTRANCE
SCALE: 1/4" = 1'-0"



**NOTE: SEE 1/R-2 FOR STRUCTURAL SUPPORT FOR METAL PANEL.

3
R-2
METAL PANEL ARRANGEMENT - WALL RETURNS
SCALE: 1/4" = 1'-0"



**NOTE: SEE 2/R-2 FOR STRUCTURAL SUPPORT FOR METAL PANEL.

4
R-2
METAL PANEL ARRANGEMENT - SOUTH ENTRANCE
SCALE: 1/4" = 1'-0"

Rev. No. Description of Revision
1/7/20 BID SET

METHACTON SCHOOL DISTRICT
METHACTON HIGH SCHOOL
1005 KRIEBEL MILL ROAD, EAGLEVILLE, PA
2020 HIGH SCHOOL FRONT ENTRY REPLACEMENT PROJECT (20.7.8)
ELEVATIONS

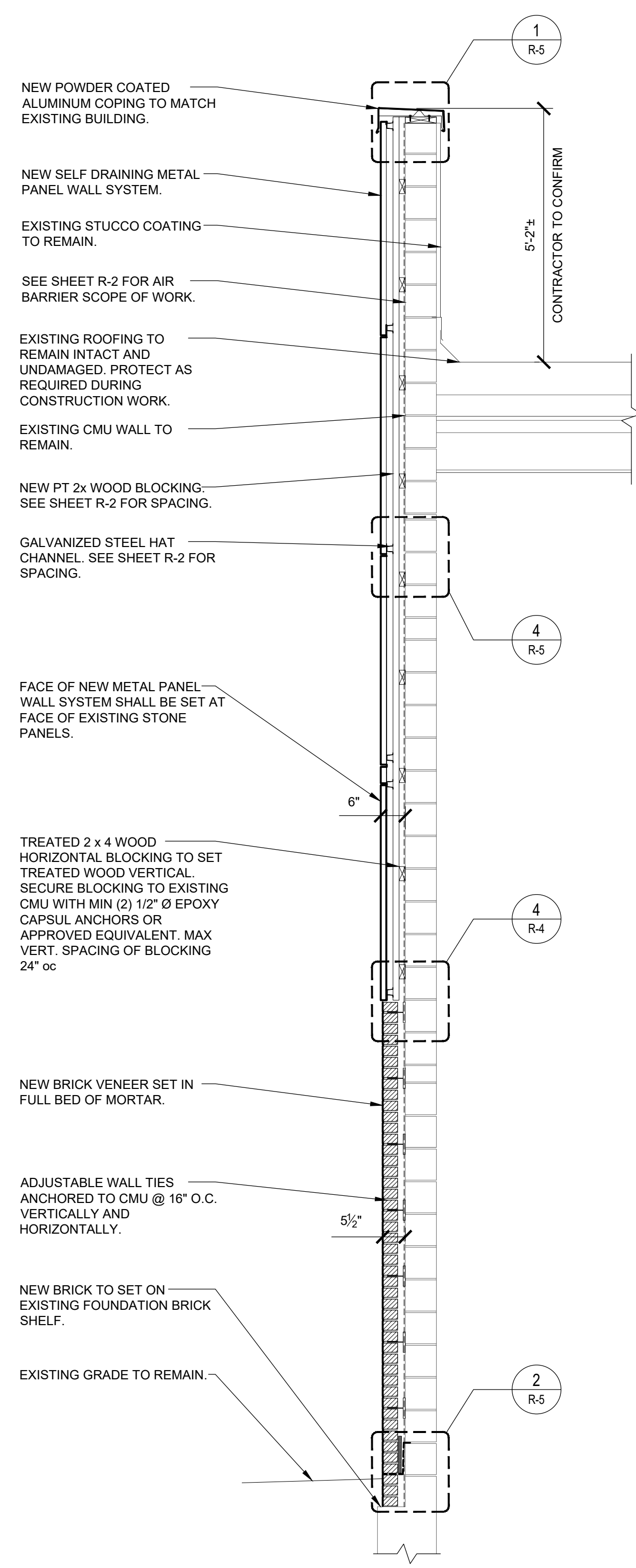
335 W. STATE STREET
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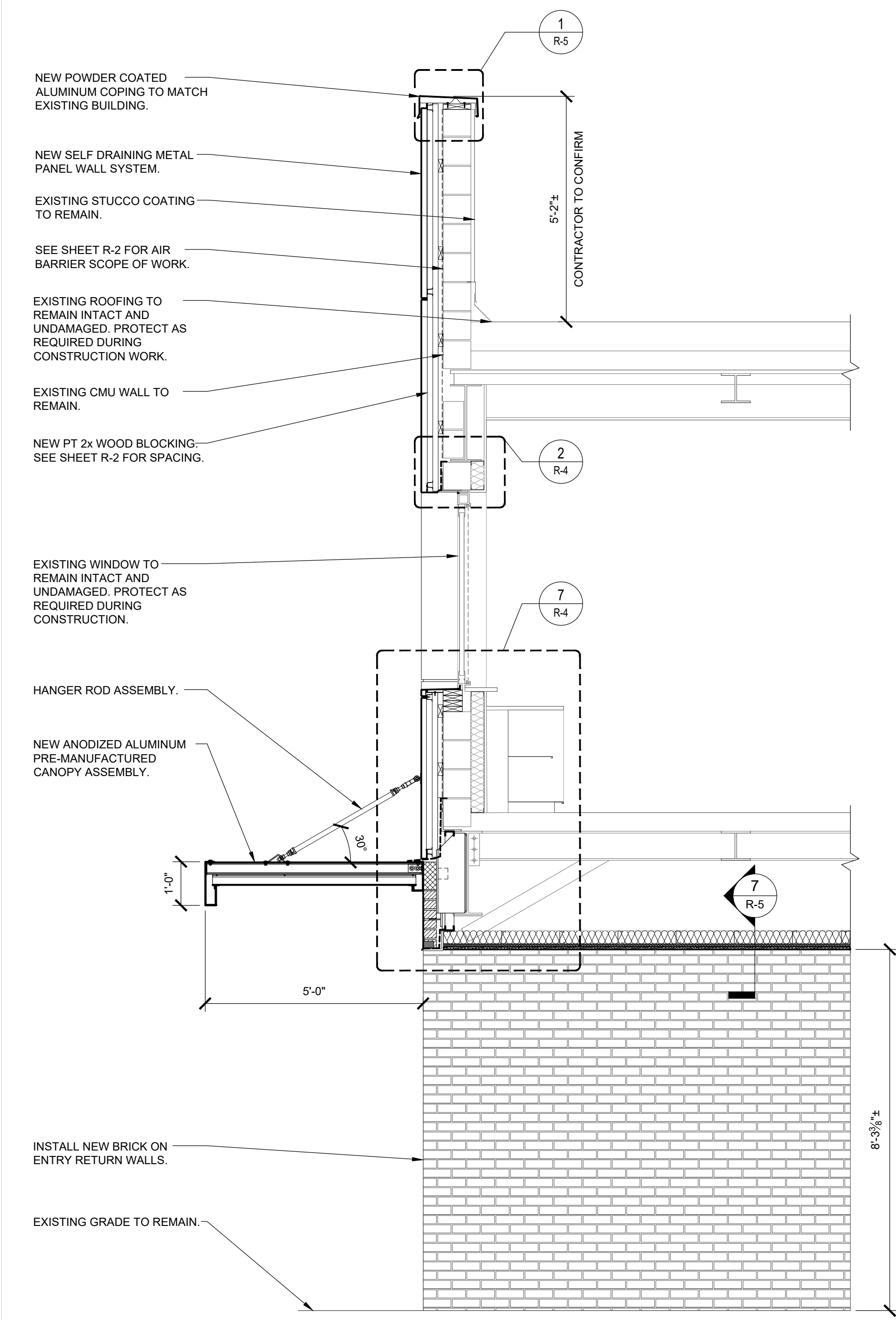
Project No. 2019.020
Date 1/7/2020
Designed SJV
Drawn AJG/WJG
Checked TPS

R-2

NO 3 of 8

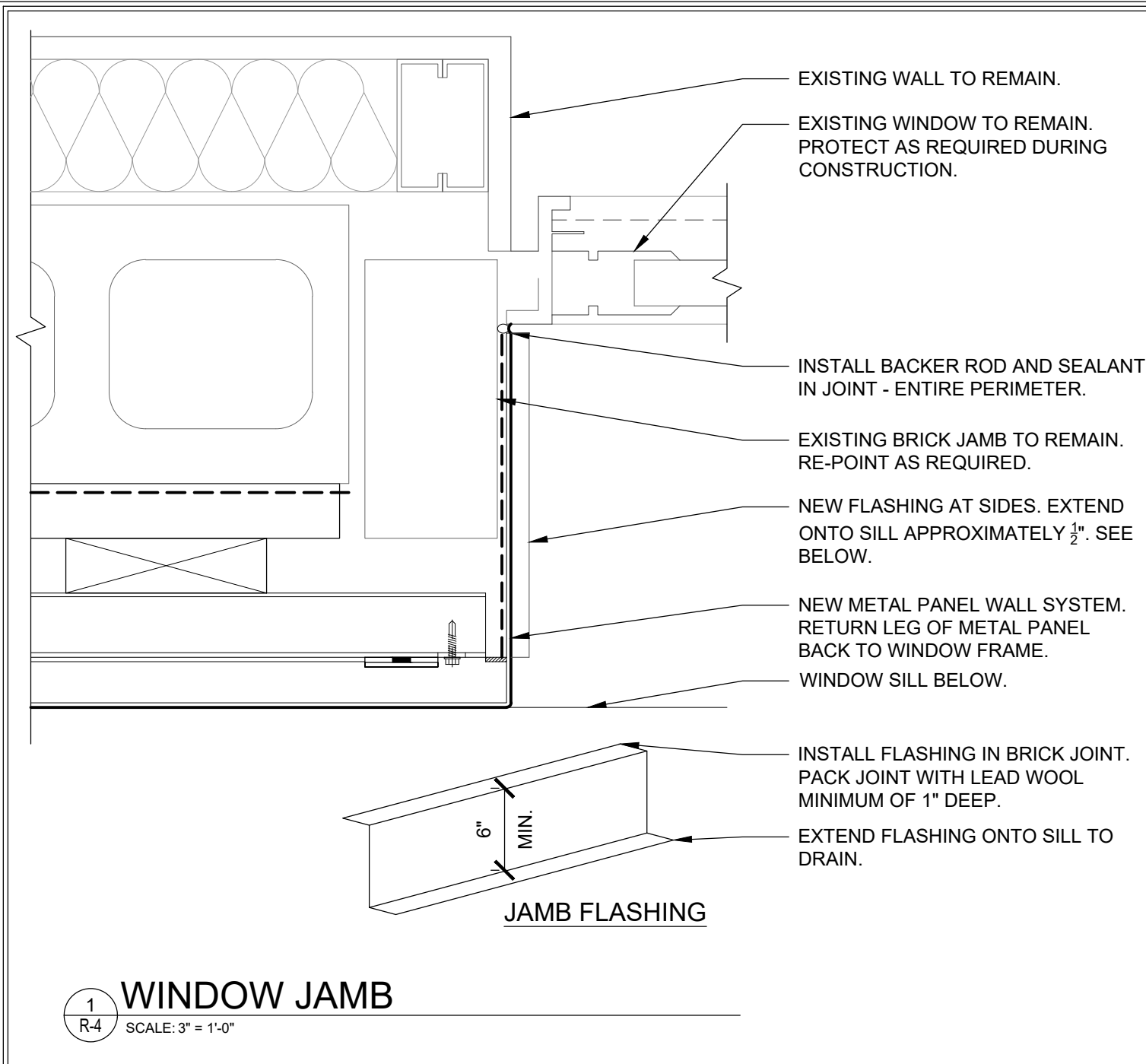


1 WALL SECTION
SCALE: 1/2" = 1'-0"

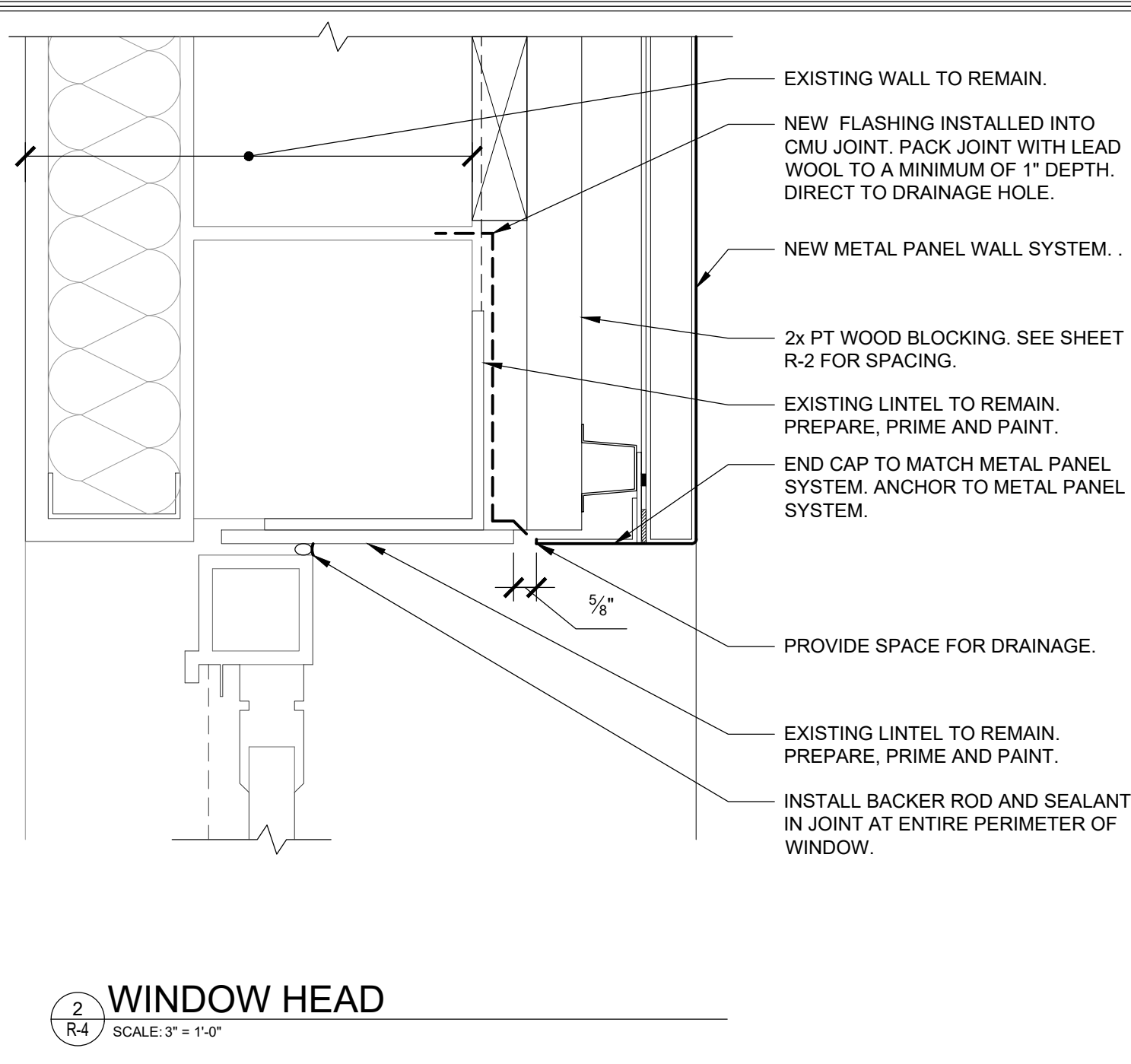


2 WALL SECTION
SCALE: 1/2" = 1'-0"

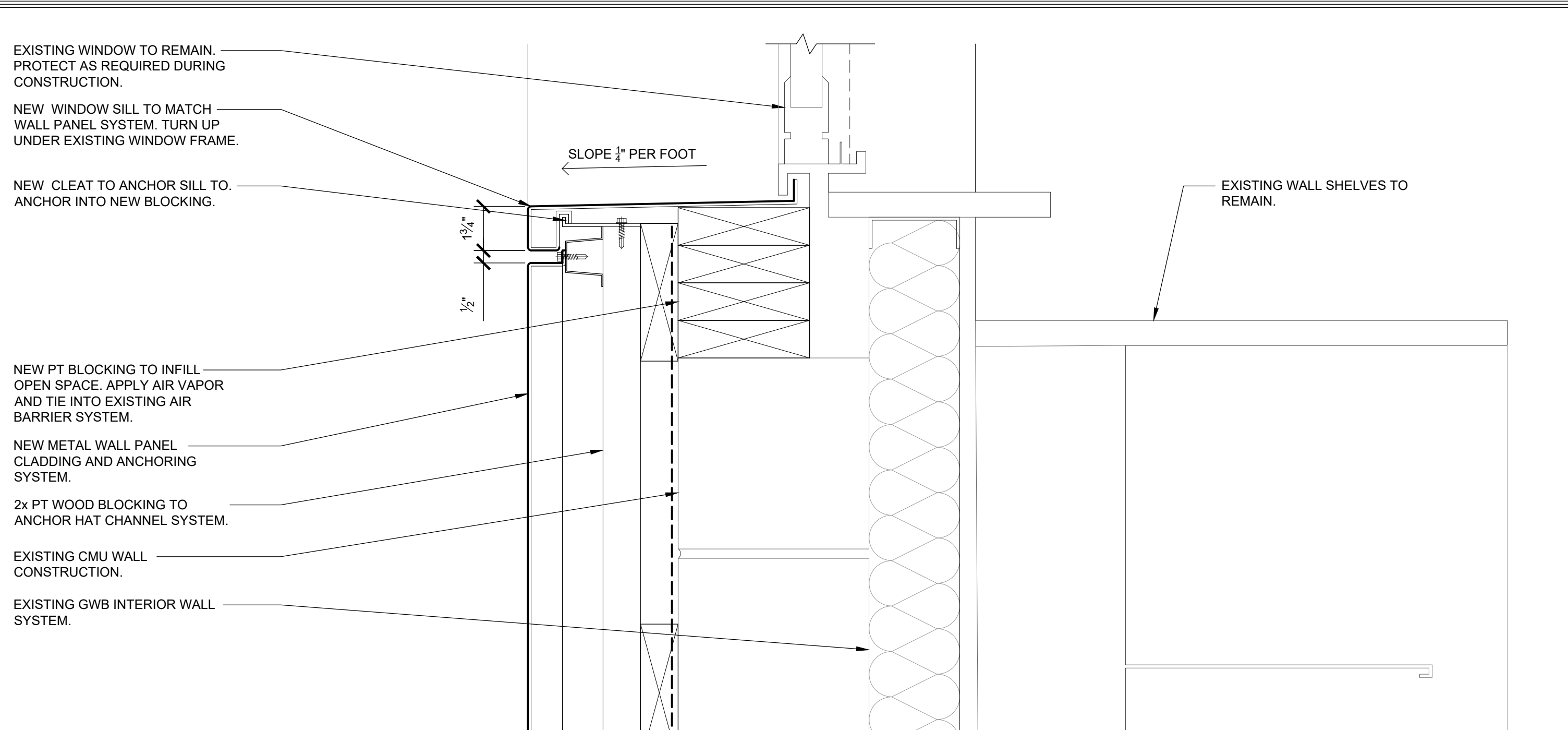
Rev. No.	Description of Revision
1	BID SET
Date	1/7/20
METHACTON SCHOOL DISTRICT METHACTON HIGH SCHOOL 1005 KRIEBEL MILL ROAD, EAGLEVILLE, PA	
2020 HIGH SCHOOL FRONT ENTRY REPLACEMENT PROJECT (20.7.8) SECTIONS	
335 W. STATE STREET FIRST FLOOR MEDIA, PA 19063	
Phone: 484-442-8137 Fax: 484-442-8139	
 Shepherd Restoration Engineers, Inc. <i>Caring for the Built Environment</i>	
Project No. 2019.020	
Date 1/7/2020	
Designed SJV	
Drawn AJG/WJG	
Checked TPS	



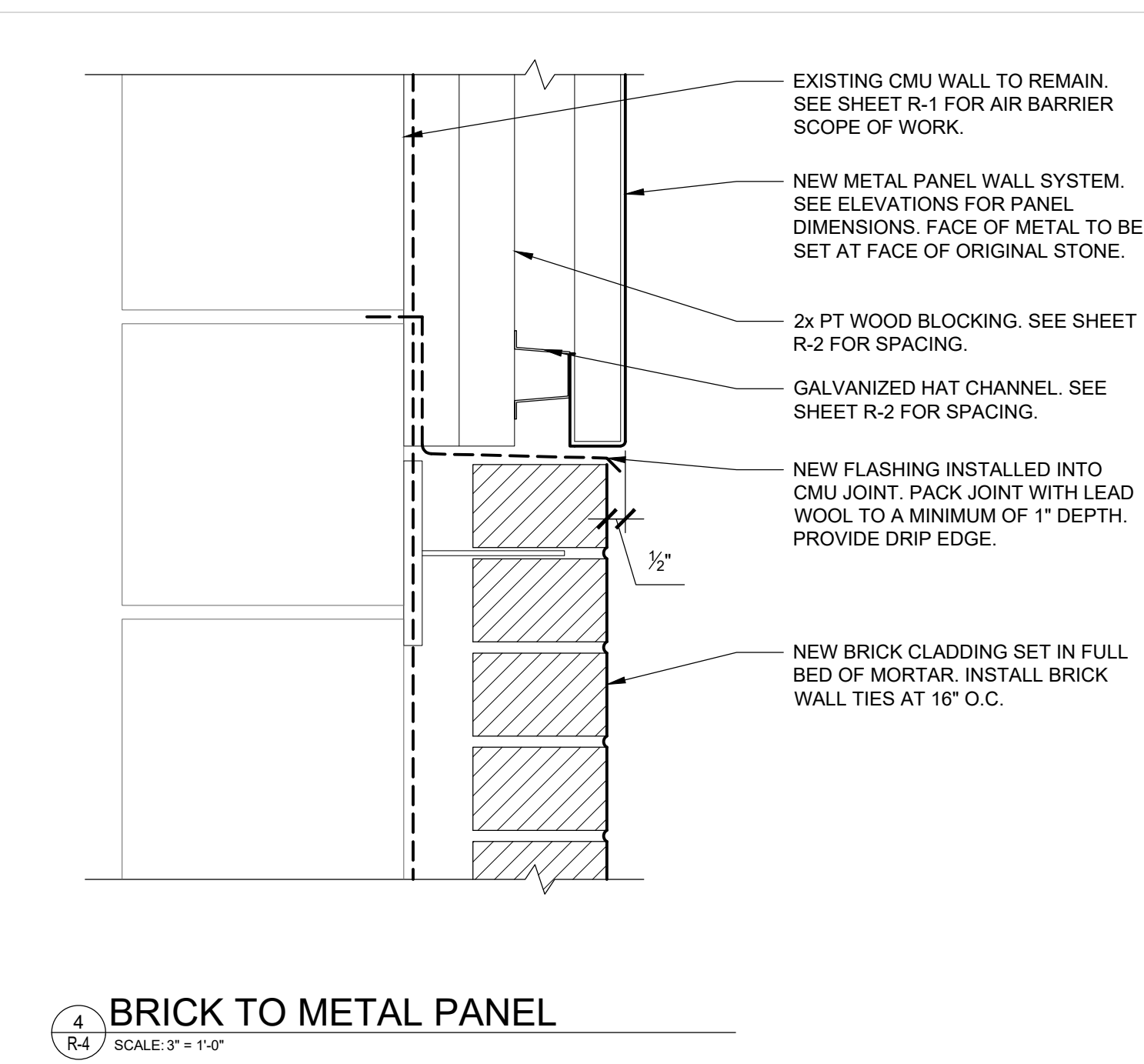
1 WINDOW JAMB
R4 SCALE: 3" = 1'-0"



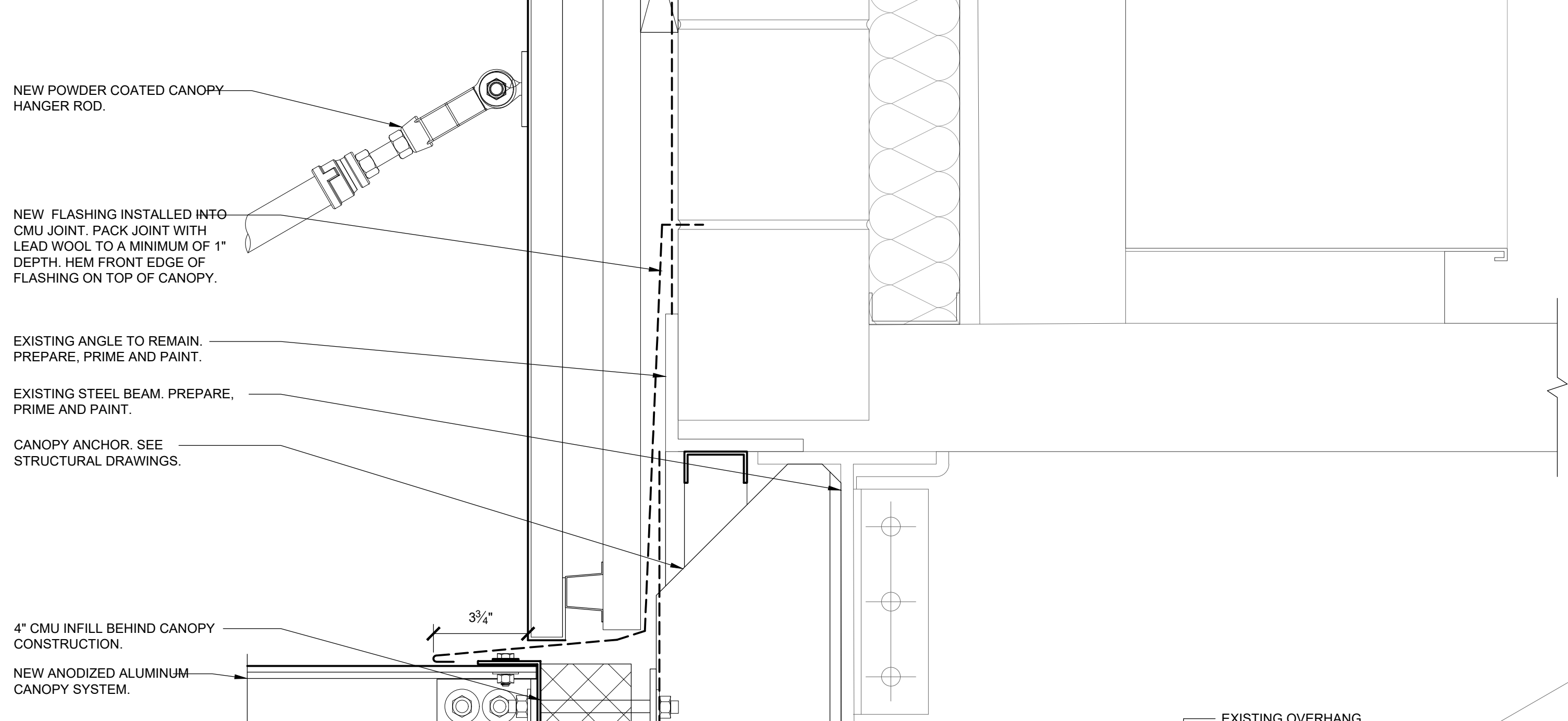
2 WINDOW HEAD
R4 SCALE: 3" = 1'-0"



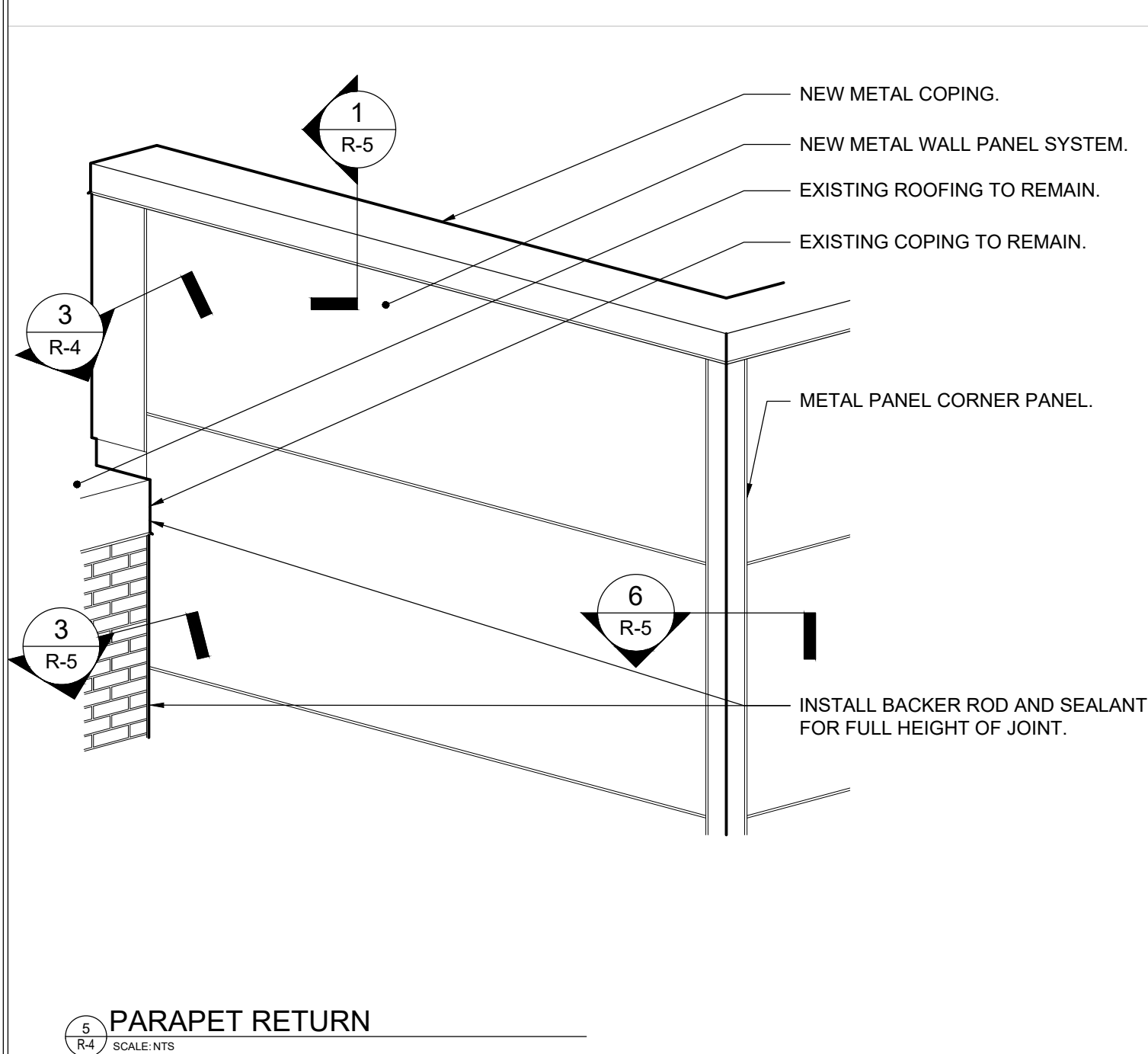
3 PARAPET RETURN
R4 SCALE: 3" = 1'-0"



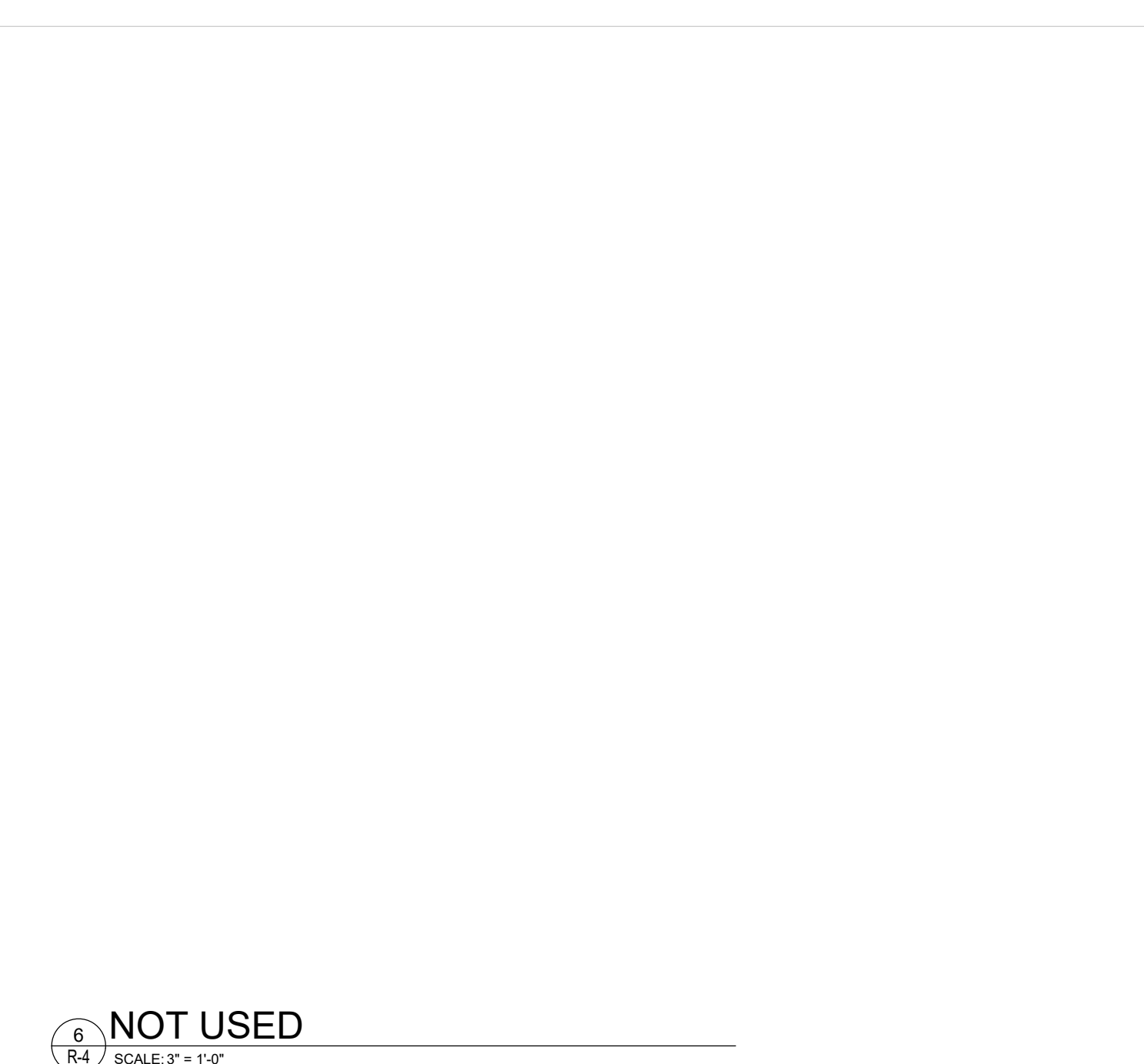
4 BRICK TO METAL PANEL
R4 SCALE: 3" = 1'-0"



5 DETAIL AT LINTEL
R4 SCALE: 3" = 1'-0"



6 PARAPET RETURN
R4 SCALE: NTS



7 NOT USED
R4 SCALE: 3" = 1'-0"

Project No.	2019.020
Date	1/7/2020
Designed	SJV
Drawn	AJG/WJG
Checked	TPS

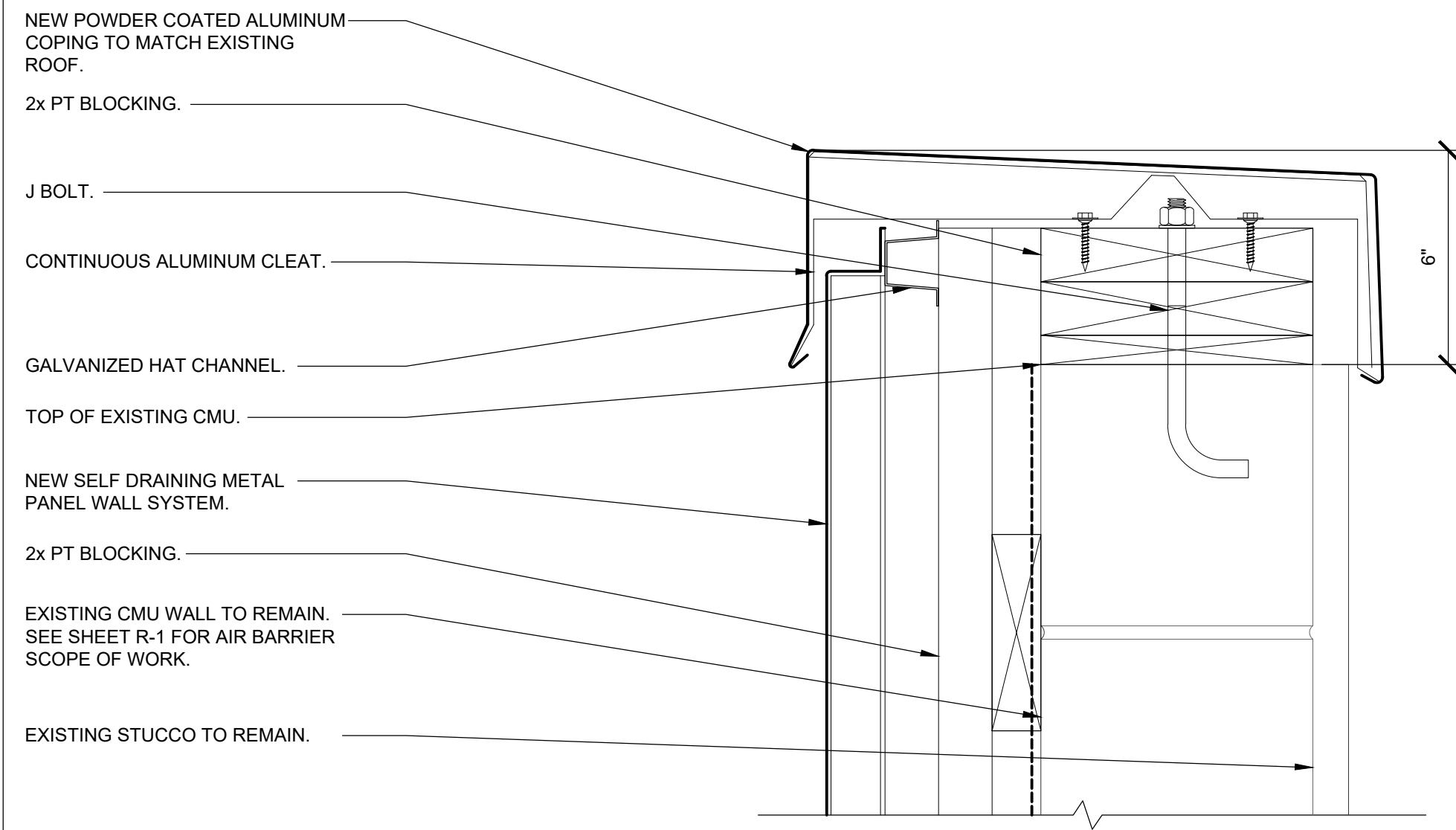
R-4

335 W. STATE STREET
FIRST FLOOR
MEDIA, PA 19063
Phone 484-442-8137
Fax 484-442-8139

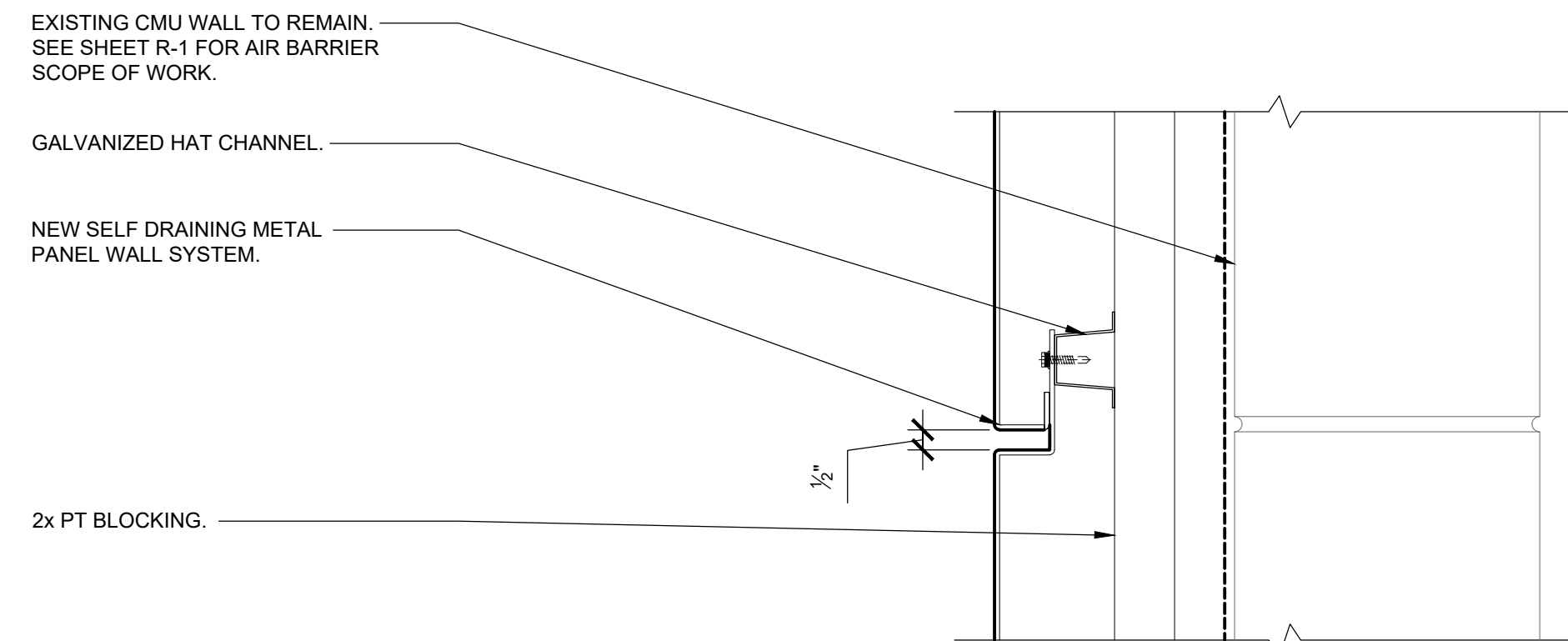
Shepherd Restoration Engineers, Inc.
Caring for the Built Environment

METHACTON SCHOOL DISTRICT
METHACTON HIGH SCHOOL
1005 KRIEBEL MILL ROAD, EAGLEVILLE, PA
2020 HIGH SCHOOL FRONT ENTRY REPLACEMENT PROJECT (20.7.8)
DETAILS

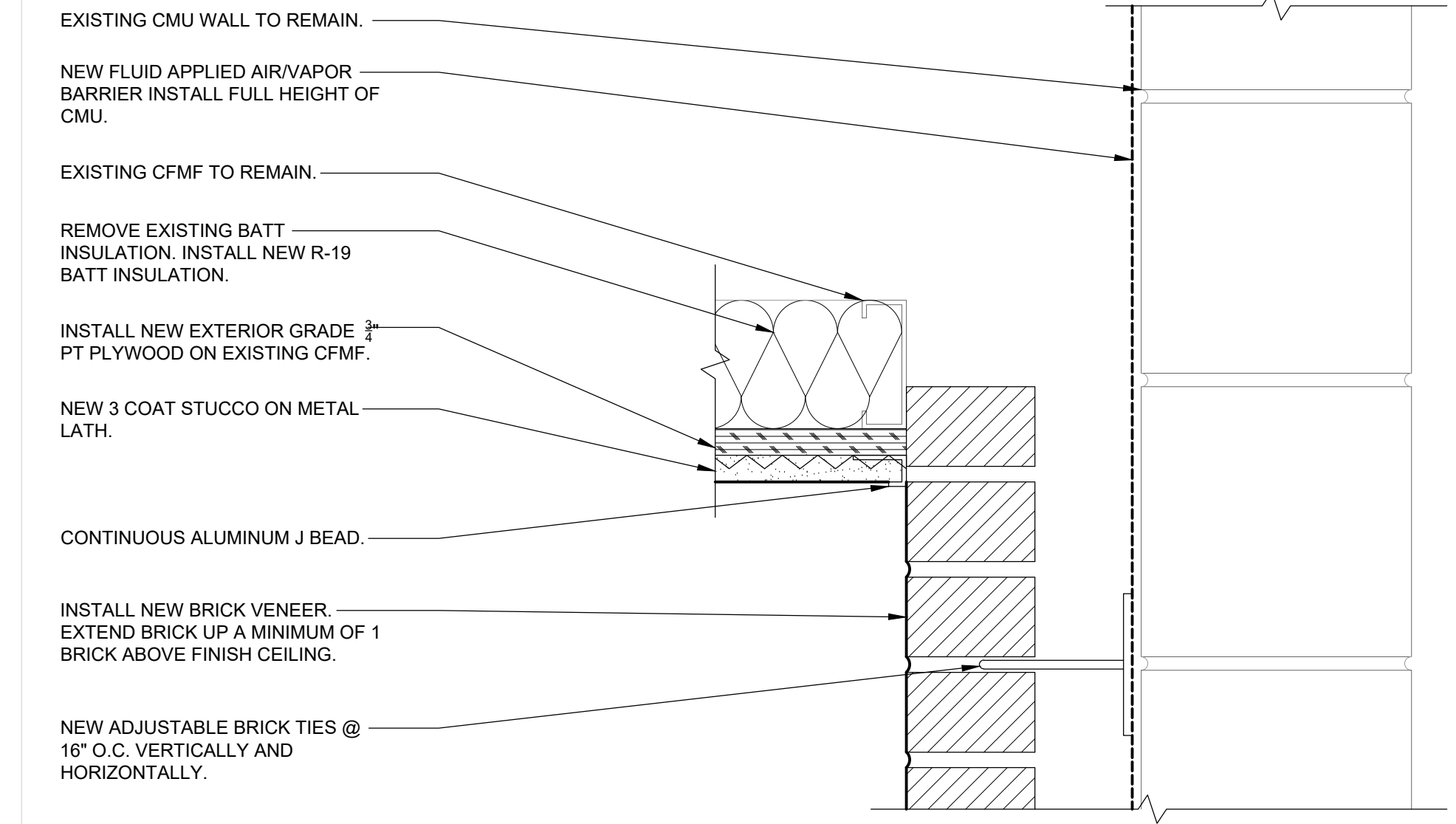
Rev. No. 1/7/20
Date 1/7/20
Description of Revision
BID SET



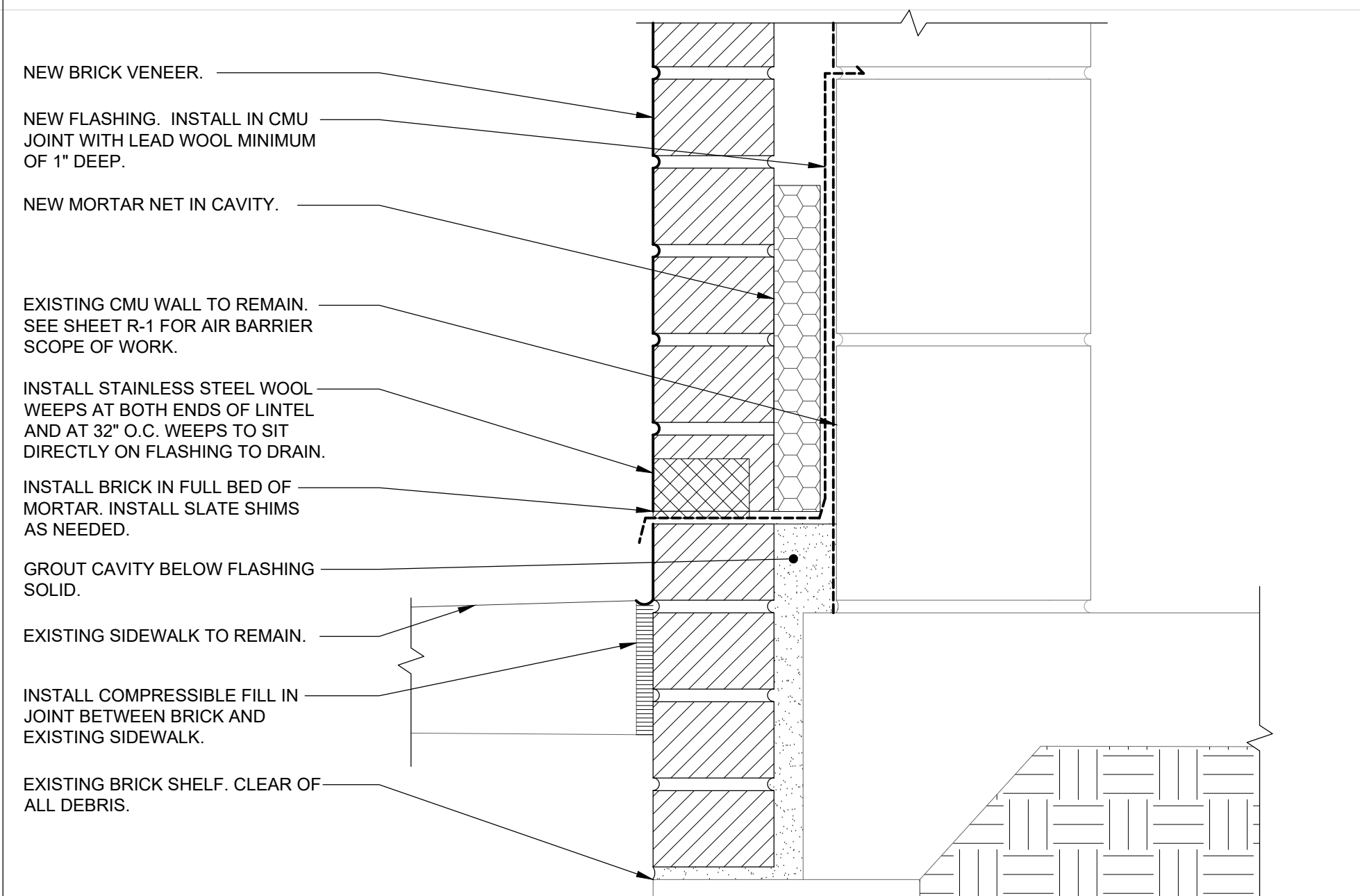
1
R-5
COPING
SCALE: 3" = 1'-0"



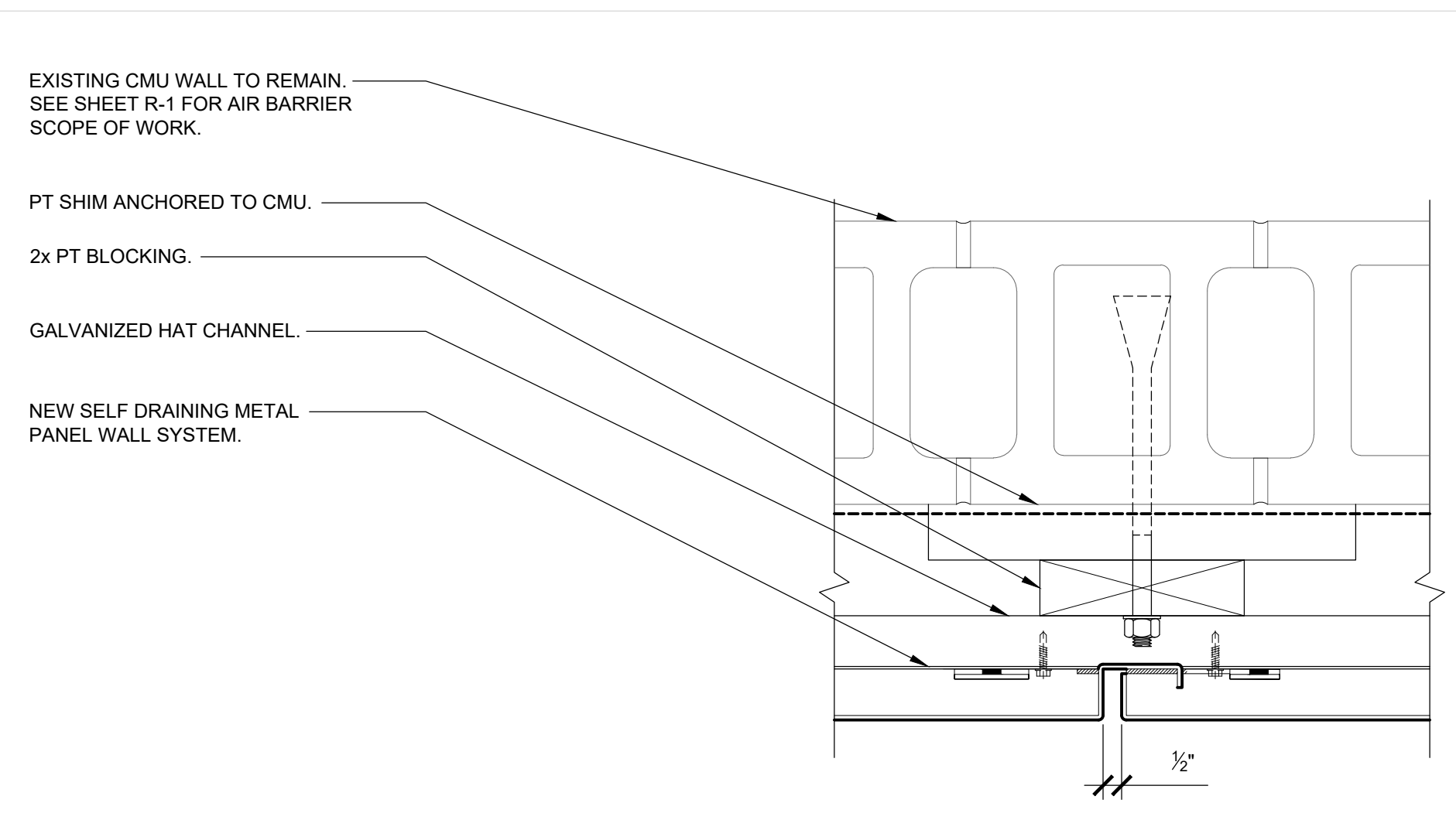
4
R-5
TYPICAL HORIZONTAL JOINT IN METAL PANEL
SCALE: 3" = 1'-0"



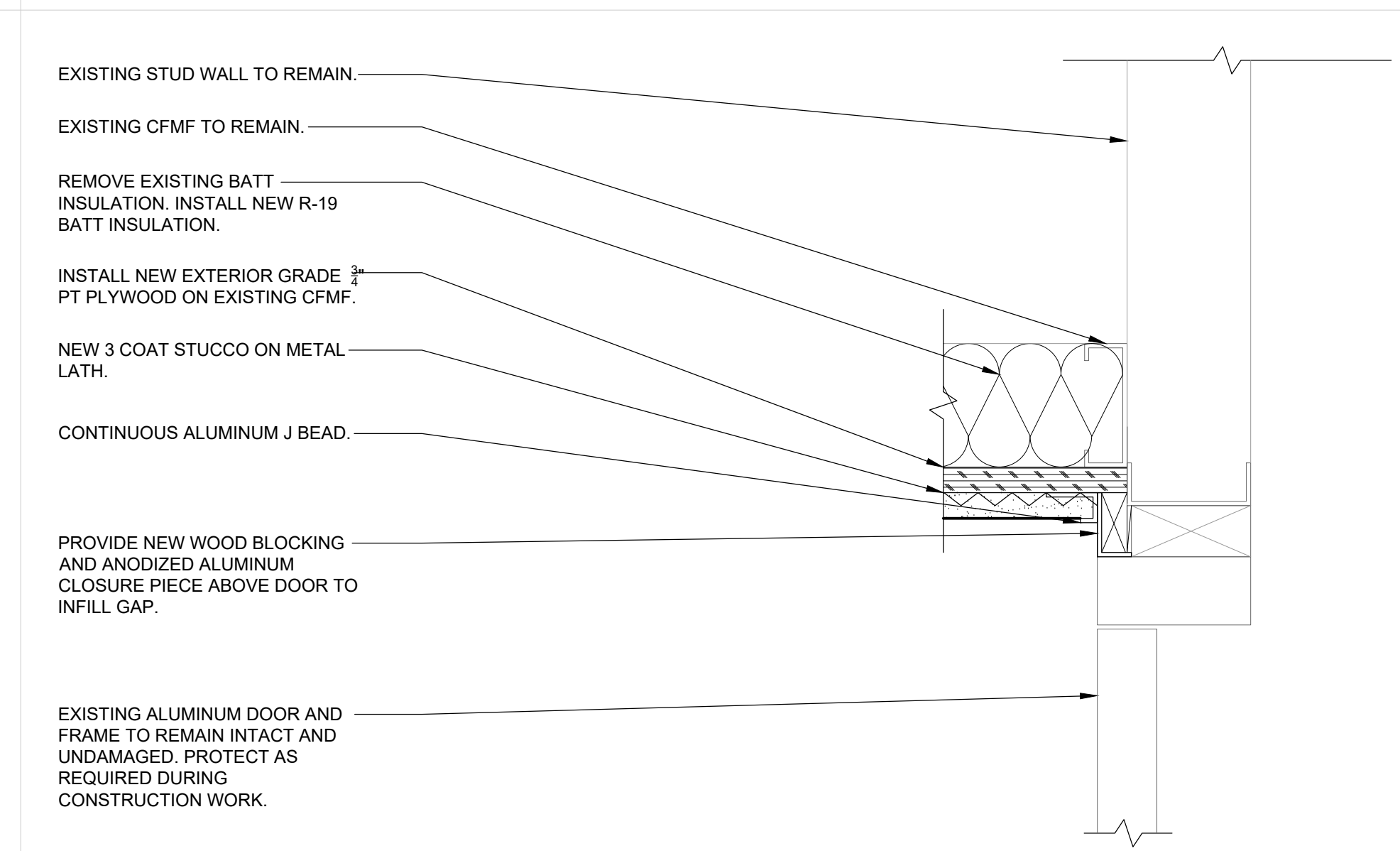
7
R-5
STUCCO CEILING AT RETURN WALL
SCALE: 3" = 1'-0"



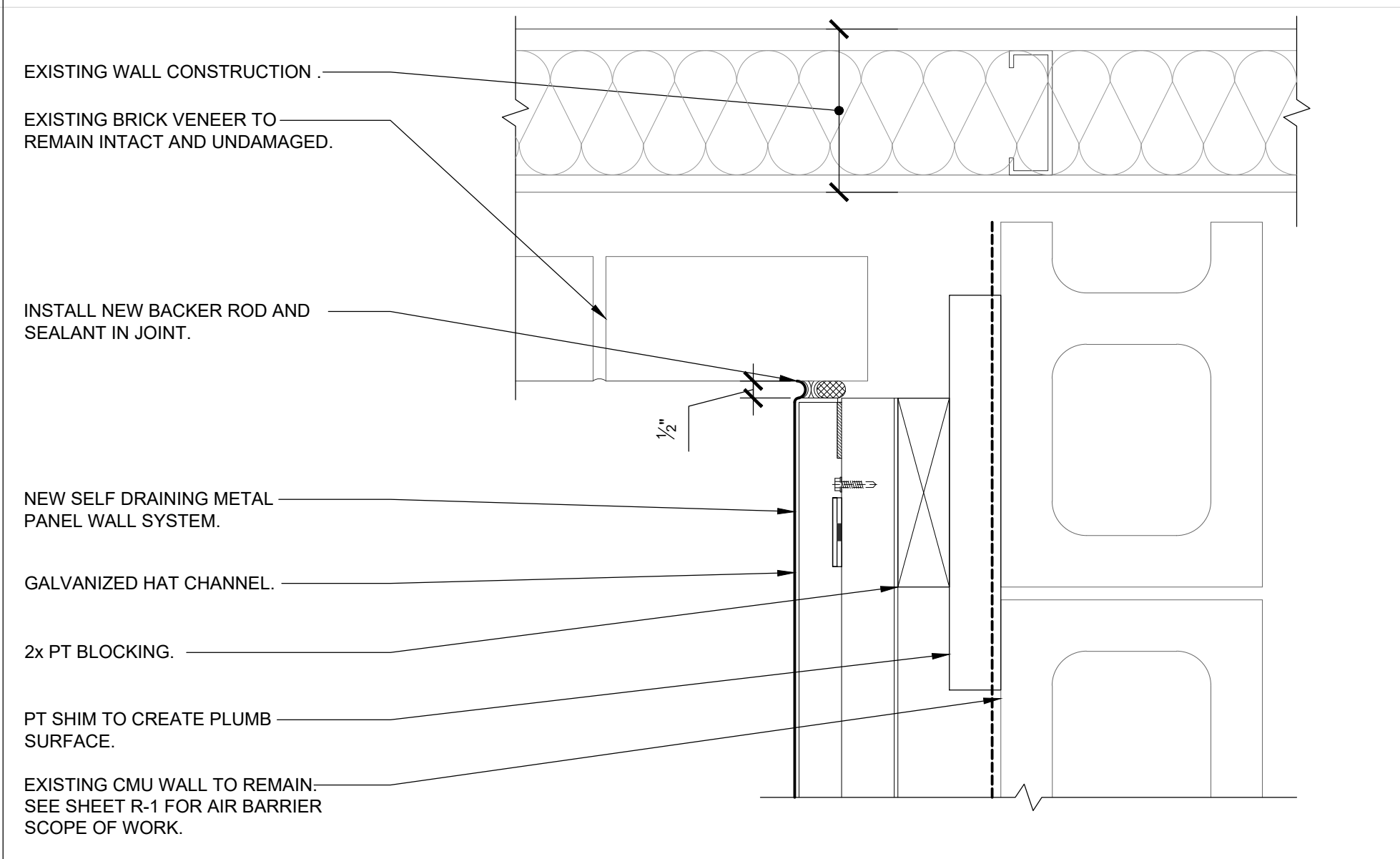
2
R-5
BASE OF WALL
SCALE: 3" = 1'-0"



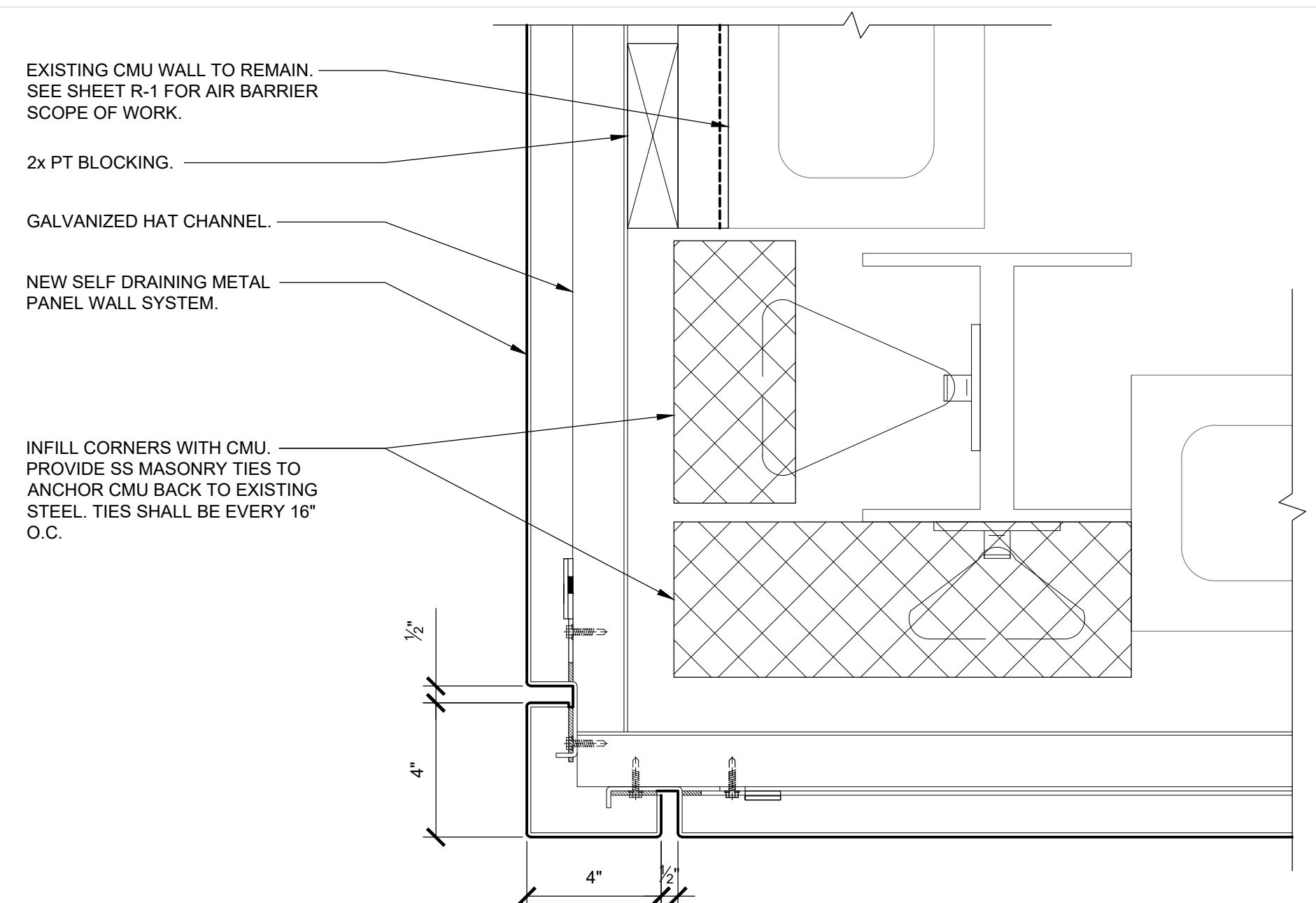
5
R-5
TYPICAL VERTICAL JOINT IN METAL PANEL
SCALE: 3" = 1'-0"



8
R-5
STUCCO CEILING AT EXISTING DOORS
SCALE: 3" = 1'-0"

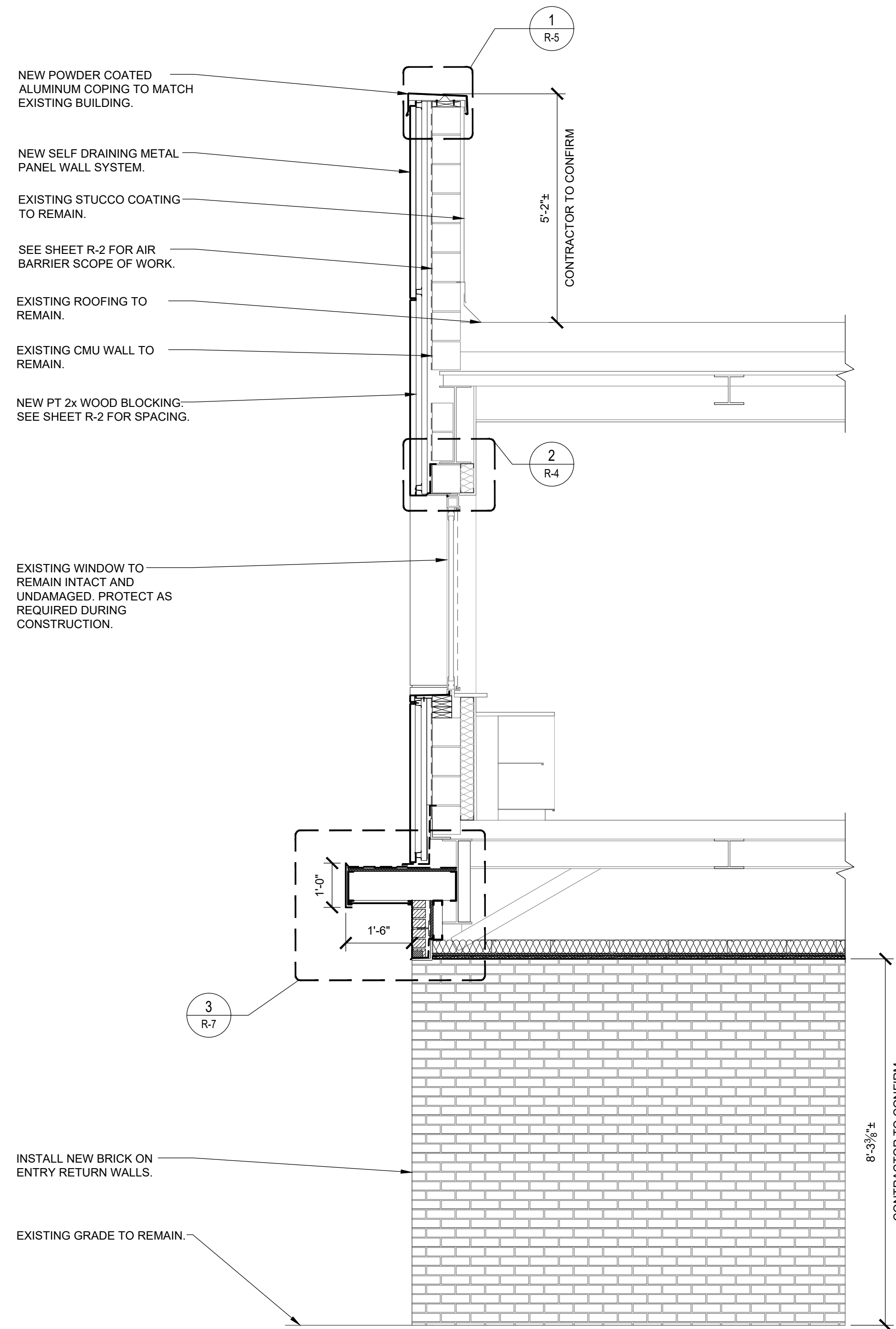


3
R-5
JOINT AT EXISTING WALL
SCALE: 3" = 1'-0"

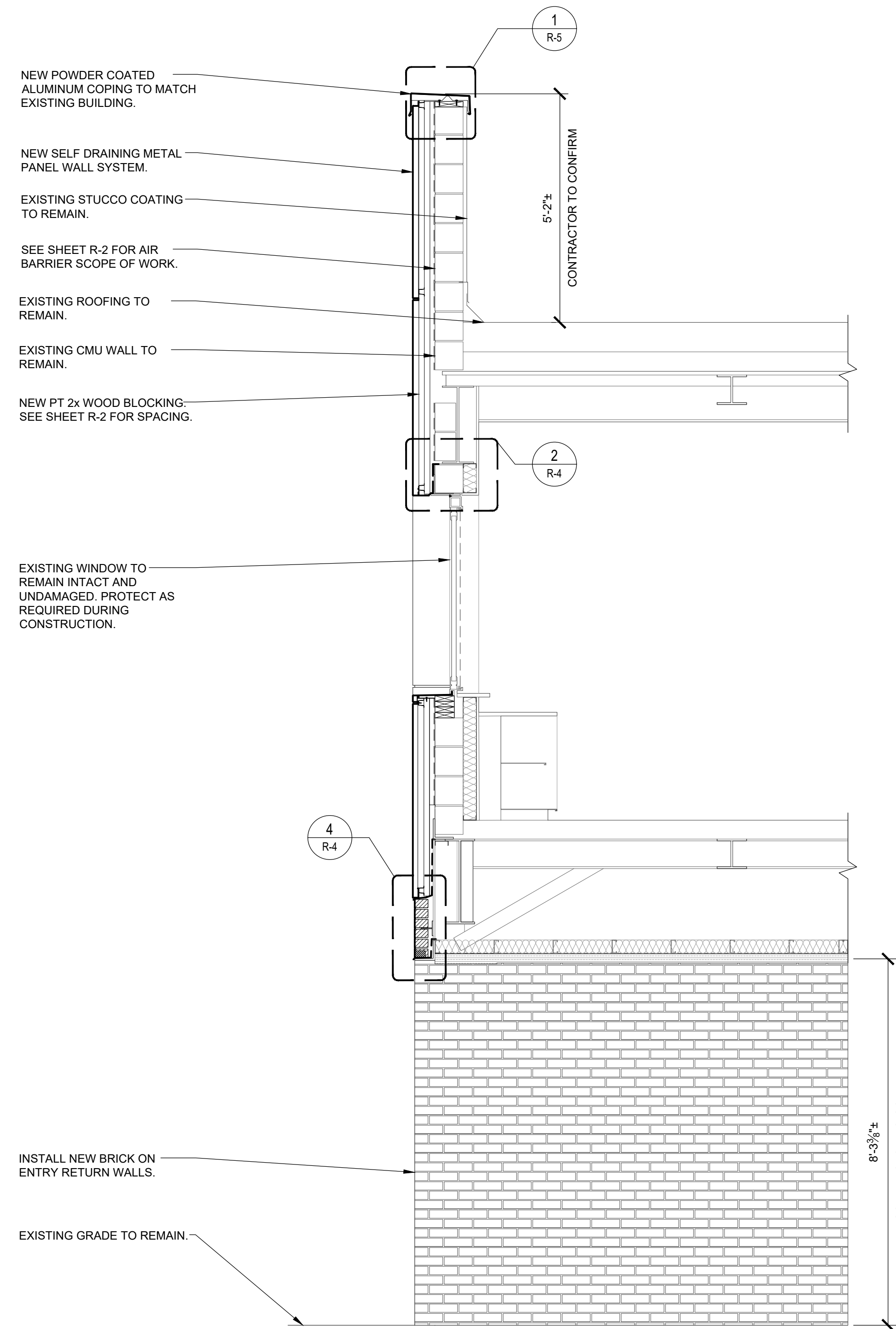


6
R-5
OUTSIDE CORNER
SCALE: 3" = 1'-0"

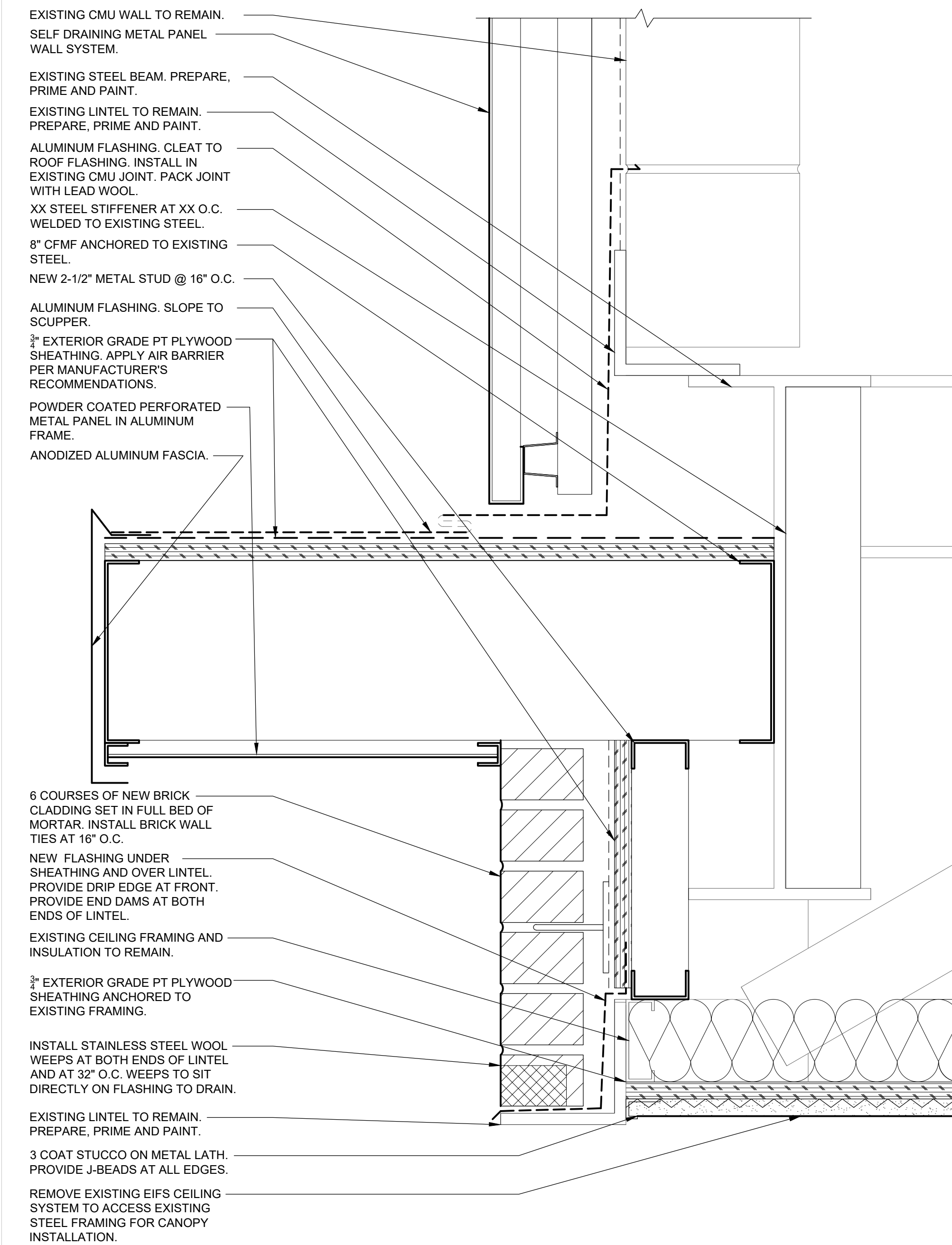
Rev. No.	Date	Description of Revision
	1/7/20	BID SET
METHACTON SCHOOL DISTRICT METHACTON HIGH SCHOOL 1005 KRIEBEL MILL ROAD, EAGLEVILLE, PA 2020 HIGH SCHOOL FRONT ENTRY REPLACEMENT PROJECT (20.7.8) DETAILS		
335 W. STATE STREET FIRST FLOOR MEDIA, PA 19063	Phone 484-442-8137 Fax 484-442-8139	
Shepherd Restoration Engineers, Inc. <i>Caring for the Built Environment</i>		
Project No. 2019.020	Date 1/7/2020	Designed SJV
	Drawn AJG/WJG	Checked TPS
<h1>R-5</h1>		
NO 6 of 7		



1 WALL SECTION - ALTERNATE #1
SCALE: 1/2" = 1'-0"



2 WALL SECTION - ALTERNATE #2
SCALE: 1/2" = 1'-0"



3 WALL SECTION - ALTERNATE #2
SCALE: 1/2" = 1'-0"

ALTERNATES:

ALTERNATE #1:
CANOPY CONSTRUCTION TO BE REMOVED FROM SCOPE OF WORK AND "EYEBROW" ADDED. SEE DETAILS 1 & 3/R-6. LIGHTING BY OTHERS. COORDINATE WORK WITH 2020 HS MEP PROJECT.

ALTERNATE #2:
CANOPY SCOPE OF WORK TO BE REMOVED FROM PROJECT. CEILING SCOPE OF WORK TO BE REMOVED FROM PROJECT.

Rev. No.	Date	Description of Revision
1/7/20	1/7/20	BID SET

METHACTON SCHOOL DISTRICT
METHACTON HIGH SCHOOL
1005 KRIEBEL MILL ROAD, EAGLEVILLE, PA
2020 HIGH SCHOOL FRONT ENTRY REPLACEMENT PROJECT (20.7.8)
ALTERNATES

335 W. STATE STREET
FIRST FLOOR
MEDIA, PA 19063
Phone: 484-442-8137
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Shepherd Restoration Engineers, Inc.
Caring for the Built Environment

Project No. 2019.020
Date 1/7/2020
Designed SJV
Drawn AJG/WJG
Checked TPS

R-6
NO 7 of 8

CONTINUOUS TREATED 2 x 4 WOOD VERTICAL TOP TO BOTTOM OF WALL TO SUPPORT METAL HAT GIRTS FOR METAL FASCIA - MAX. SPACING 16" oc

TREATED 2 x 4 WOOD HORIZONTAL BLOCKING TO SET TREATED WOOD VERTICAL. SECURE BLOCKING TO EXISTING CMU WITH MIN (2) 1/2" Ø EPOXY CAPSUL ANCHORS OR APPROVED EQUIVALENT. MAX VERT. SPACING OF BLOCKING 24" oc

NEW SELF DRAINING METAL PANEL WALL SYSTEM. SEE ARCH. DWG'S FOR DETAILS

HANGER ROD CONNECTOR TO STRUCTURAL SUPPORT - HSS 3 x 3 - PROVIDE PIECE OF HSS 2 x 2 x 0.25 FULLY WELD TO VERTICAL STRUCTURAL SUPPORT - TO FRONT OF HSS 2 x 2 WELD PIECE AS SHOWN CUT FROM WT. 3 x 8 - COORDINATE WITH CANOPY HANGER ROD ASSEMBLY BY OTHERS - PROVIDE HOLE FOR 5/8" Ø BOLT (ASTM A-325 X)

REMOVE EXISTING CMU TO INSTALL CLIP ANGLES AT TOP OF HANGER ROD ASSEMBLY STRUCTURAL SUPPORT - REPAIR MASONRY IN KIND FOLLOWING STEEL INSTALLATION.

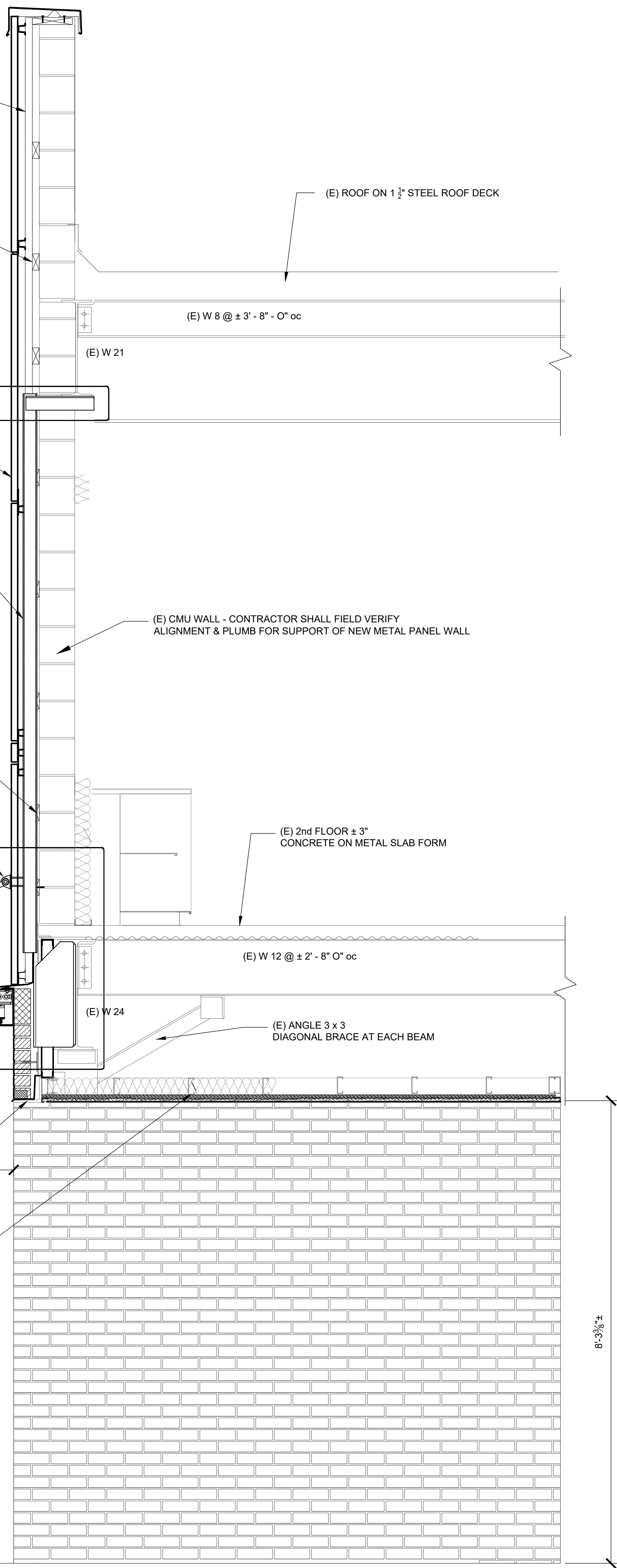
CANOPY HANGER ROD STRUCTURAL SUPPORT - HSS 3 x 3 x 0.25 - TYPICAL EACH CANOPY ROD ASSEMBLY

HANGER ROD ASSEMBLY.

NEW ANODIZED ALUMINUM PRE-MANUFACTURED CANOPY ASSEMBLY.

EXIST'G ANGLE 6 x 6 x 1/2" CLEAN FOR NEW BRICK - SEE ARCH. DWG'S FOR BRICK CONSTRUCTION DETAILS

SOFFIT CONSTRUCTION SEE ARCH. DWG'S - REPLACE ALL DETERIORATED LIGHT GA. FRAMING IN KIND



CONTRACTOR TO CONFIRM

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

NEW SELF DRAINING METAL WALL PANEL SYSTEM.

TOP END OF HANGER ROD ASSEMBLY STRUCTURAL SUPPORT

NEW CONN ANGLE 3 x 3 x 5/16 NS/FS OF NEW HSS 3 x 3

REMOVE PORTION OF EXISTING CMU TO INSTALL NEW CONN ANGLES 3 x 3 - REPAIR EXIST'G MASONRY AFTER ANGLE INSTALLATION IS COMPLETE

Pc HSS 2 x 2 x 0.25 x 2 3/4" *

NOTE: THE 2 3/4" LENGTH FOR THE HSS 2 x 2 SHALL BE CONFIRMED BY FULL FIELD SURVEY BY THE CONTRACTOR TO ESTABLISH THE EXISTING CONDITIONS RELATED TO THE CANOPY STRUCTURAL SUPPORTS & NEW METAL PANEL FASCIA. THE DESIGN INTENT IS FOR CANOPY ROD TO BE SUPPORTED WITH NO TRANSFER OF LOAD TO THE FASCIA PANEL. METAL PANEL TO BE CUT AROUND HSS 2 x 2 LEAVING A 1/8" CLEARANCE. FINAL METAL FASCIA TO BE IN A PLUMB VERTICAL PLANE FROM CORNER TO CORNER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MISCELLANEOUS WEDGES, SHIM MATERIAL, TO ACCOUNT FOR EXISTING IRREGULARITIES. ANY CONDITIONS FOUND TO PREVENT INSTALLATION AS DETAILED STRUCTURALLY & ARCHITECTURALLY SHALL BE BROUGHT TO THE ATTENTION OF SHEPARD RESTORATION ENGINEERS, INC.

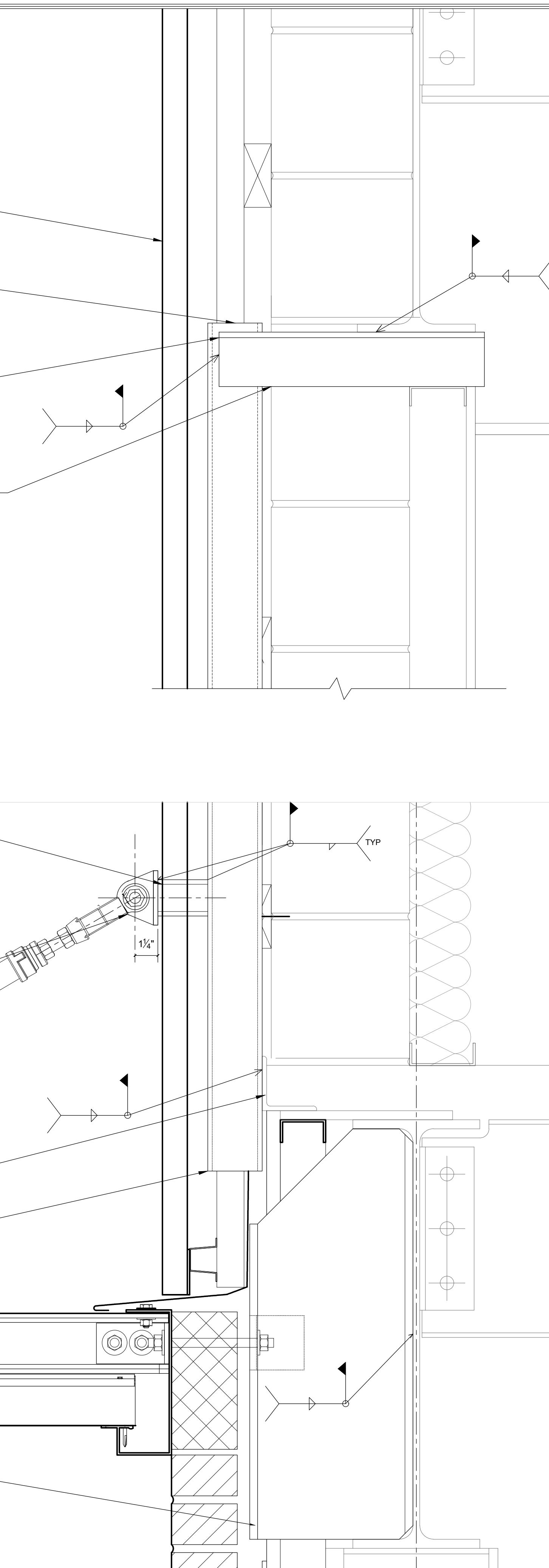
HANGER ROD ASSEMBLY STRUCTURAL SUPPORT TOP END OF ROD - Pc WT 3 x 8 CUT TO SHAPE WITH HOLE FOR 5/8" Ø THROUGH BOLT

EXIST'G EDGE OF SLAB STEEL ANGLE 3 x 3 x 1/4"

BOTTOM END OF HANGER ROD ASSEMBLY STRUCTURAL SUPPORT

C 9 x 15 CUT TO FIT EXIST'G W24 - LOCATE AT CANOPY ANCHOR THAT ALIGNS WITH CANOPY SUPPORT ROD - PROVIDE CLIP ANGLE 3 x 3 x 5/16 FAR SIDE FOR SECOND CANOPY BOLT

3 CANOPY CONNECTION
SCALE: 3" = 1'-0"



Rev. No.	Date	Description of Revision
1/7/20		BID SET

METHACTON SCHOOL DISTRICT
METHACTON HIGH SCHOOL
1005 KRIEBEL MILL ROAD, EAGLEVILLE, PA
2020 HIGH SCHOOL FRONT ENTRY REPLACEMENT PROJECT (20.7.8)

335 W. STATE STREET
FIRST FLOOR
MEDIA, PA 19063
Phone: 484-442-8137
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Shepard Restoration Engineers, Inc.
Caring for the Built Environment

Project No.	2019.020
Date	1/7/2020
Designed	SJV
Drawn	AJG/WJG
Checked	TPS