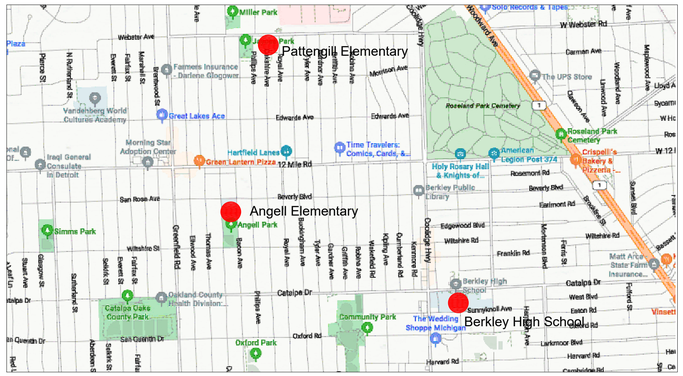
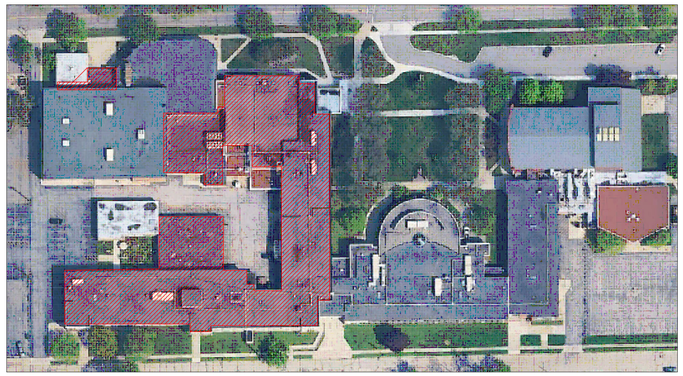
VICINITY MAP



BERKLEY HIGH SCHOOL - SATELLITE IMAGE/REPLACEMENT AREAS



PATTENGILL ELEMENTARY SCHOOL - SATELLITE IMAGE/REPLACEMENT AREAS



ANGELL ELEMENTARY SCHOOL - SATELLITE IMAGE/REPLACEMENT AREAS



PROJECT SUMMARY

Project Scope of Work: Berkley High School

1. Designated roof replacement and related work at Berkley High School, in Berkley, MI totaling approximately 58,194 sq. ft. of roofing.
   a. Base Bid: Designated low slope roof replacement and related work on Roof Areas B, C1, E East Gym, G, J, J1, L, M, M1 & N. Remove existing system down to the structural deck. Install underlayments where applicable, R-30 insulation system & 90-mil EPDM with 6-inch seams.

Project Scope of Work: Pattengill Elementary School

1. Designated roof replacement and related work at Pattengill Elementary School, in Berkley, MI totaling approximately 11.009 sq. ft. of roofing.
   a. Base Bid: Designated low slope roof replacement and related work on Roof Areas D, L, M, N & O. Remove existing system down to the structural deck. Install underlayments, R-30 insulation system & 90-mil EPDM with 6-inch seams.

Project Scope of Work: AngellI Elementary School

1. Designated roof replacement and related work at Angell Elementary School, in Berkley, MI totaling approximately 12,459 sq. ft. of roofing.
   a. Base Bid: Designated low slope roof replacement and related work on Roof Areas B, H & J, approximately 11,459 SF. Remove existing system down to the structural deck. Install underlayments, R-30 insulation system & 90-mil EPDM with 6-inch seams.

   b. Base Bid: Designated steep slope roof replacement and related work on Roof Area N, approximately 1,000 SF. Remove existing system down to the structural deck. Install underlayments and specified asphalt shingles. Provide shingle manufacturer warranty.

GENERAL CONSTRUCTION DETAIL NOTES

Detail drawings called out in General Construction Details can be found on Sheets A3.0-A3.4. Contractor to provide Shop Drawing as necessary for field conditions not directly identified in Contract Documents.

A. Flashing Heights: Perimeters, curbs, penetrations shall be raised as necessary to meet the new insulation heights, tapered edge strip and tapered insulation height to meet typical industry standard of 8 in. base flashing height.

B. Tapered Insulation: Furnish and install new tapered insulation, crickets, saddles and kick-backs as designated on roof plan to provide a finished slope of 1/4 in/ ft slope and a min length to width ratio of 3:1. All equipment w/ curb size greater than 24 in. shall have cricket install on up slope side. Contractor responsible for identifying and notifying per RFI Consultant and Owner all existing tapered insulation not called out on plans for determination of unit costing.

C. Curbs - Movable Equipment: Lift equipment from curbs; run new fully adhered membrane flashing up and over top of curb; install continuous sealing material over top of curb. Reset equipment and mechanically fasten to curb. Coordinate with Owner prior to moving equipment to install new flashings. Metal equipment flashing and/or counter flashing must extend a minimum of 3 in. past the termination of the base flashing; add metal counter flashing as required.

D. Curbs - Non-Movable Equipment: Terminate new fully adhered membrane flashing at unit framing member. Metal equipment flashing and/or counter flashing must extend a minimum of 3 in. past the termination of the base flashing; add metal counter flashing as required.

E. Equipment on Support Curbs - Non-Movable Equipment: Cut corners of metal flashing cap, terminate new adhered membrane flashing to curb nailer. Reposition metal; install new shop fabricated corner metal, riveted and set in sealant. Wire brush and apply rust inhibitive paint to rusted cap metal.

F. Round penetrations: All penetrations shall be cleaned down to surface where any sealant will contact; Install new prefabricated pipe boots or field wrap with membrane. Install draw band and sealant.

G. Steel Support Posts: Install split pipe boot or field wrap flashing with membrane. Terminate with draw band and sealant.

H. Pitch pans: Pitch pans can only be used when approved by Consultant. In the event they are to used furnish and install new pitch pans, clean all penetrations down to original surface, blocking required at all pitch pans.

I. Gas line and conduit support blocks: Provide new treated wood supports and sleepers. Install pads under all wood supports. Replace any damaged wood with matching wood or rubber support blocking.

J. Walkways: Furnish and install new walkway pads as follows:
- At access ladders and stairs
- Around roof hatch
- Under support pads small equipment units
- Under all wood sleeper or gas line supports
- In addition, install as shown on the Roof Plan

K. Existing Surface Mounted Counterflashings: Contractor to take the necessary measures and precautions when removing the existing surface mounted counterflashing to not damage existing building facade. Any damage to the existing building facade will be corrected at the contractor expense.

GENERAL NOTES:

1. Drawings are produced at Arch D (24-inch by 36-inch) size. Please note and verify the scale indicated on each drawing. Note that roof plans and other project drawings produced on other paper sizes may not be correctly scaled.
2. All components shown on project drawings are new unless specifically indicated as existing.
3. Wood blocking identified on the project detail drawings shall be considered new unless specifically identified as existing. Consideration may be given to allowing re-use of existing wood blocking found to be in good condition. Wood blocking approved to remain in place shall be re-secured as specified in the project manual. The owner reserves the right to request a credit for nailers remaining in place. The amount of the credit due back to the owner shall be determined by the lineal footage of wood blocking to remain in place, type of wood blocking, and the schedule of unit prices submitted by the contractor.
4. It is the responsibility of the contractor to verify existing project site conditions. These conditions include, but are not limited to: building dimensions and proposed project staging locations, roof replacement area dimensions, roof drainage component locations, roof penetration locations, existing roof system component make-up and thickness, and project repair quantities (if applicable). The contractor shall visit and become familiar with the site and building prior to proposal submission. Include the cost of all work described in the bidding documents and that is required or reasonably implied to achieve the design intent of the bidding documents. Notify the roof consultant of any conflicts between existing conditions and the new work, of any omissions or conflicts in the drawings and any restrictions related to the execution of the work including the coordination with other trades.
5. Products proposed for use and project work shall be in accordance with applicable federal, state and local governing ordinances, codes and regulations. Notify the owner immediately of conflicts between the specified products and/or project work requirements and codes, ordinances and/or regulations.
6. If discrepancies are discovered within the project manual or drawings; the owner, not the contractor, shall determine the intent of the design and provide clarification. No allowance shall be made for contractor misinterpretation or implied misinterpretation of the project manual and drawings.
7. Refer to the project manual and roofing system manufacturer written instructions for further clarification of project requirements. Notify the owner immediately of conflicts between the specified design requirements and the written requirements and recommendations of the roofing system manufacturer.
8. Close and seal abandoned openings to match existing adjacent surfaces where mechanical, plumbing, and/or electrical items are removed.
9. Contractor shall take normal precautions so that debris, roofing material, etc., does not fall into the building or on equipment.

DIRECTORY

OWNER:
Berkley School District
14501 Talbot
Oak Park, MI 48237

PROJECT LOCATION:
Berkley High Schools
2325 Catalpa Drive
Berkley, MI 48072

PROJECT LOCATION:
Pattengill Elementary
3540 Morrison Ave.
Berkley, MI 48072

PROJECT LOCATION:
Angell Elementary
3849 Beverly Blvd.
Berkley, MI 48072

ROOFING CONSULTANTS:
WeatherTech Consulting Group, Inc.
45147 Cass Ave.
Utica, MI 48317
Phone: (586) 731-3095

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PROFESSIONAL

WeatherTech
Consulting Group, Inc.
Roofing/Waterproofing Consultants
Corporate Office:
45147 Cass Ave.
Utica, MI 48317

Phone #: 586-731-3095
Fax #: 586-731-6863
Email: weathertech@wtcg.net
Web Site: www.wtcg.net

CLIENT

BERKLEY SCHOOLS

Addminstrative Office

14501 Talbot
Oak Park, MI 48237

PROJECT

BERKLEY BEARS

PATTENGILL ELEMENTARY

WTProject No: --------

ISSUE

DATE	DESCRIPTION
09/16/2026	95% Design Review
~~10/14/2026~~	~~OTB SET~~

File Name:
Drawn By: MD
Checked By: PD, AC, AW, JM

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SHEET TITLE

Cover Sheet

A1.0

SHEET 1 OF 14

BERKLEY HIGH SCHOOL - EXISTING CONDITIONS:

NOTE: THE INFORMATION BELOW IS BASED ON RANDOM, LIMITED TEST CORES MADE INTO THE ROOFING SYSTEM. CONDITIONS AT THE TEST CORE LOCATIONS MAY NOT BE REPRESENTATIVE OF THE ENTIRE ROOF AREA. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EXISTING ROOF SYSTEM COMPONENTS AND SLOPE.

ROOF AREA B:
- BUR AGGREGATE
- 3/4-INCH WOOD FIBER
- 1-3/4 INCH POLYISO
- STEEL DECK - 1/8-INCH PER FOOT SLOPE IN DECK

ROOF AREA C1:
- BUR AGGREGATE
- 1-INCH FIBERGLASS
- 1-3/4 INCH POLYISO
- STEEL DECK - 1/8-INCH PER FOOT SLOPE IN DECK

ROOF AREA E EAST GYM:
- BALLASTED EPDM
- 1-1/2 INCH POLYISO
- 1-1/2 INCH POLYISO
- BASE SHEET
- ACOUSTICAL STEEL DECK - 1/8-INCH PER FOOT SLOPE IN DECK

ROOF AREA G:
- BUR AGGREGATE
- 3/4-INCH PERLITE
- 2-INCH POLYISO
- STEEL DECK - 1/8-INCH PER FOOT SLOPE IN DECK

ROOF AREAS J & J1:
- BUR AGGREGATE
- 1/2-INCH GYPSUM
- 2-INCH POLYISO
- 2-INCH POLYISO
- UNDERLAYMENT
- CONCRETE DECK - 1/8-INCH PER FOOT SLOPE IN DECK

ROOF AREA L:
- BUR AGGREGATE
- 3/4-INCH FIBERGLASS
- CONCRETE DECK - NO SLOPE IN DECK

ROOF AREAS M & N:
- BUR AGGREGATE
- 1/2-INCH GYPSUM
- 2-INCH POLYISO
- 2-INCH POLYISO
- UNDERLAYMENT
- CONCRETE DECK - 1/8-INCH PER FOOT SLOPE IN DECK

ROOF AREA M1:
- BUR AGGREGATE
- CONCRETE DECK - 1/8-INCH PER FOOT SLOPE IN DECK

ROOF AREA M1:
- BUR AGGREGATE
- CONCRETE DECK - 1/8-INCH PER FOOT SLOPE IN DECK

BERKLEY HIGH SCHOOL - PROPOSED ROOF SYSTEMS:

NOTE: REFER TO SECTION 011000 - SUMMARY OF WORK, AND RELATED PROJECT MANUAL SECTIONS FOR ADDITIONAL PRODUCT AND INSTALLATION REQUIREMENTS FOR THE PROJECT.

PROPOSED ROOF SYSTEM - ROOF AREA B & C1 (APPROX. 1,021 SF.):
- FULLY-ADHERED **90-MIL EPDM** WITH 6-INCH SEAMS
- 2-INCH POLYISOCYANURATE INSULATION - ADHERED AS SPECIFIED
- EXISTING STEEL DECK - 1/8-INCH PER FOOT SLOPE IN DECK

PROPOSED ROOF SYSTEM - ROOF AREA E EAST GYM (APPROX. 6,329 SF.):
- FULLY-ADHERED **90-MIL EPDM** WITH 6-INCH SEAMS
- 2.6-INCH POLYISOCYANURATE INSULATION
- 2.6-INCH POLYISOCYANURATE INSULATION
- RED ROSIN PAPER
- EXISTING ACOUSTICAL STEEL DECK - 1/8-INCH PER FOOT SLOPE IN DECK

PROPOSED ROOF SYSTEM - ROOF AREA G (APPROX. 9,430 SF.):
- FULLY-ADHERED **90-MIL EPDM** WITH 6-INCH SEAMS
- 2.6-INCH POLYISOCYANURATE INSULATION
- 2.6-INCH POLYISOCYANURATE INSULATION
- EXISTING STEEL DECK - 1/8-INCH PER FOOT SLOPE IN DECK

PROPOSED ROOF SYSTEM - ROOF AREAS J, J1, L, M, M1 & N (APPROX. 41,414 SF.):
- FULLY-ADHERED **90-MIL EPDM** WITH 6-INCH SEAMS
- 1/2-INCH HIGH DENSITY POLYISO COVERBOARD - ADHERED AS SPECIFIED
- 1/8-INCH PER FOOT TAPERED POLYISO WITH A STARTING THICKNESS OF 1/2-INCHES INSULATION - ADHERED AS SPECIFIED
- 2.6-INCH POLYISOCYANURATE INSULATION - ADHERED AS SPECIFIED
- SELF ADHERING UNDERLAYMENT
- EXISTING CONCRETE DECK - NO SLOPE IN DECK

PATTENGILL ELEMENTARY SCHOOL - EXISTING CONDITIONS:

NOTE: THE INFORMATION BELOW IS BASED ON RANDOM, LIMITED TEST CORES MADE INTO THE ROOFING SYSTEM. CONDITIONS AT THE TEST CORE LOCATIONS MAY NOT BE REPRESENTATIVE OF THE ENTIRE ROOF AREA. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EXISTING ROOF SYSTEM COMPONENTS AND SLOPE.

ROOF AREA D:
- BUR AGGREGATE
- 3/4-INCH WOOD FIBER
- BASE SHEET
- GYPSUM DECK - 1/2-INCH PER FOOT SLOPE IN DECK

ROOF AREA L:
- BUR AGGREGATE
- 1-INCH PERLITE
- 2-INCH POLYISO
- BASE SHEET
- GYPSUM DECK - 1/8-INCH PER FOOT SLOPE IN DECK

ROOF AREA M:
- BUR AGGREGATE
- 1-INCH PERLITE
- 2-INCH POLYISO
- BASE SHEET
- GYPSUM DECK - 1/8-INCH PER FOOT SLOPE IN DECK

ROOF AREAS N & O:
- BUR AGGREGATE
- 1/2-INCH GYPSUM
- 2-INCH POLYISO
- UNDERLAYMENT
- CONCRETE DECK - 1/8-INCH PER FOOT SLOPE IN DECK

PATTENGILL ELEMENTARY SCHOOL - PROPOSED ROOF SYSTEMS:

NOTE: REFER TO SECTION 011000 - SUMMARY OF WORK, AND RELATED PROJECT MANUAL SECTIONS FOR ADDITIONAL PRODUCT AND INSTALLATION REQUIREMENTS FOR THE PROJECT.

PROPOSED ROOF SYSTEM - ROOF AREAS D, L & M (APPROX. 7,480 SF.):
- FULLY-ADHERED **90-MIL EPDM** WITH 6-INCH SEAMS
- 2.6-INCH POLYISOCYANURATE INSULATION
- 2.6-INCH POLYISOCYANURATE INSULATION
- SPECIFIED BASE SHEET - MECHANICALLY ATTACHED
- EXISTING GYPSUM DECK - 1/8-INCH PER FOOT MINIMUM SLOPE IN DECK

PROPOSED ROOF SYSTEM - ROOF AREAS N & O (APPROX. 3,529 SF.):
- FULLY-ADHERED **90-MIL EPDM** WITH 6-INCH SEAMS
- 2.6-INCH POLYISOCYANURATE INSULATION
- 2.6-INCH POLYISOCYANURATE INSULATION
- SPECIFIED SELF-ADHERING UNDERLAYMENT
- EXISTING CONCRETE DECK - 1/8-INCH PER FOOT MINIMUM SLOPE IN DECK

ANGELL ELEMENTARY SCHOOL - EXISTING CONDITIONS:

NOTE: THE INFORMATION BELOW IS BASED ON RANDOM, LIMITED TEST CORES MADE INTO THE ROOFING SYSTEM. CONDITIONS AT THE TEST CORE LOCATIONS MAY NOT BE REPRESENTATIVE OF THE ENTIRE ROOF AREA. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EXISTING ROOF SYSTEM COMPONENTS AND SLOPE.

ROOF AREA B:
- BUR AGGREGATE
- 1-1/2 INCH POLYISO
- 2-INCH POLYISO
- STEEL DECK - 1/8-INCH PER FOOT SLOPE IN DECK

ROOF AREA H:
- MOD-BIT ROOF SYSTEM
- 2-INCH POLYISO
- 2-INCH POLYISO
- BASE SHEET
- GYPSUM DECK - 1/2-INCH PER FOOT SLOPE IN DECK

ROOF AREA J:
- MOD-BIT ROOF SYSTEM
- 2-INCH POLYISO
- 2-INCH POLYISO
- BASE SHEET
- GYPSUM DECK - 1/2-INCH PER FOOT SLOPE IN DECK

ROOF AREA N:
- ASPHALT SHINGLES
- UNDERLAYMENTS
- 2-INCH POLYISO
- BASE SHEET
- WOOD DECK - 4:12 SLOPE IN DECK

PATTENGILL ELEMENTARY SCHOOL - PROPOSED ROOF SYSTEMS:

NOTE: REFER TO SECTION 011000 - SUMMARY OF WORK, AND RELATED PROJECT MANUAL SECTIONS FOR ADDITIONAL PRODUCT AND INSTALLATION REQUIREMENTS FOR THE PROJECT.

PROPOSED ROOF SYSTEM - ROOF AREAS B, H & J (APPROX. 11,459 SF.):
- FULLY-ADHERED **90-MIL EPDM** WITH 6-INCH SEAMS
- 2.6-INCH POLYISOCYANURATE INSULATION
- 2.6-INCH POLYISOCYANURATE INSULATION
- SPECIFIED BASE SHEET - MECHANICALLY ATTACHED
- EXISTING GYPSUM DECK - 1/8-INCH PER FOOT MINIMUM SLOPE IN DECK

PROPOSED ROOF SYSTEM - ROOF AREAS N (APPROX. 1,000 SF.):
- SPECIFIED ASPHALT SHINGLES
- UNDERLAYMENTS
- EXISTING WOOD DECK - 5:12 SLOPE IN DECK

PROFESSIONAL

WeatherTech
Consulting Group, Inc.
Roofing/Waterproofing Consultants
Corporate Office:
45147 Cass Ave.
Utica, MI 48317

Phone #: 586-731-3095
Fax #: 586-731-6863
Email: weathertech@wtcg.net
Web Site: www.wtcg.net

CLIENT

BERKLEY SCHOOLS

Addminstrative Office

14501 Talbot
Oak Park, MI 48237

PROJECT

BERKLEY BEARS

WTProject No: --------

ISSUE

DATE	DESCRIPTION
09/16/2026	95% Design Review
10/14/26	OTB SET

File Name:
Drawn By: PD
Checked By: PD, AC & JM

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SHEET TITLE

General Information Sheet 01 of 02

A1.1

SHEET 02 OF 14

COVER BOARD & INSULATION ATTACHMENT REQUIREMENTS:

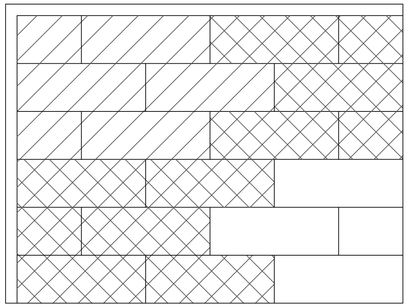
ATTACHMENT FOR CONCRETE DECKS	FIELD OF ROOF	PERIMETERS	CORNERS
COVER BOARD	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 12" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 6" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 4" O.C.
TOP INSULATION LAYER	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 12" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 6" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 4" O.C.
BOTTOM AND INTERMEDIATE INSULATION LAYER(S)	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 12" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 6" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 4" O.C.
UNDERLAYMENT	PRIME DECK (IF REQ'D BY MANUFACTURER AND ADHERE.	PRIME DECK (IF REQ'D BY MANUFACTURER AND ADHERE.	PRIME DECK (IF REQ'D BY MANUFACTURER AND ADHERE.

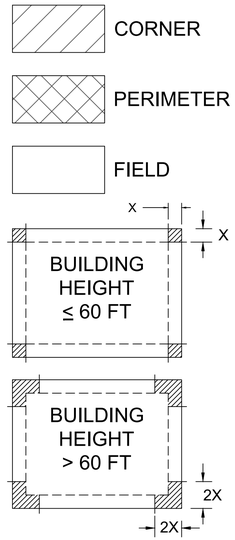
ATTACHMENT FOR GYPSUM CONCRETE DECKS	FIELD OF ROOF	PERIMETERS	CORNERS
COVER BOARD	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 12" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 6" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 4" O.C.
TOP INSULATION LAYER	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 12" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 6" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 4" O.C.
BOTTOM AND INTERMEDIATE INSULATION LAYER(S)	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 12" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 6" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 4" O.C.
UNDERLAYMENT	FASTEN 9" O.C. AT LAPS AND 18" O.C. IN TWO EQUALLY SPACED, STAGGERED ROWS BETWEEN LAPS.	FASTEN 6" O.C. AT LAPS AND 9" O.C. IN TWO EQUALLY SPACED, STAGGERED ROWS BETWEEN LAPS.	FASTEN 7" O.C. AT LAPS AND 7" O.C. IN THREE EQUALLY SPACED, STAGGERED ROWS BETWEEN LAPS.

ATTACHMENT FOR STEEL DECKS - NON-TAPERED SYSTEMS	FIELD OF ROOF	PERIMETERS	CORNERS
COVER BOARD	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 12" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 6" O.C.	MECH. ATTACH WITH 32 FASTENERS PER 4' X 8' BOARD (ONE FASTENER PER 1.00 SF).
TOP INSULATION LAYER	MECH. ATTACH WITH 12 FASTENERS PER 4' X 8' BOARD (ONE FASTENER PER 2.67 SF).	MECH. ATTACH WITH 24 FASTENERS PER 4' X 8' BOARD (ONE FASTENER PER 1.33 SF).	LOOSE-LAID
BOTTOM AND INTERMEDIATE INSULATION LAYER(S)	LOOSE-LAID	LOOSE-LAID	LOOSE-LAID

ATTACHMENT FOR STEEL DECKS - TAPERED SYSTEMS	FIELD OF ROOF	PERIMETERS	CORNERS
COVER BOARD	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 12" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 6" O.C.	MECH. ATTACH WITH 32 FASTENERS PER 4' X 8' BOARD (ONE FASTENER PER 1.00 SF).
TOP AND INTERMEDIATE INSULATION LAYER(S)	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 12" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 6" O.C.	LOOSE-LAID
BOTTOM INSULATION LAYER	MECH. ATTACH WITH 12 FASTENERS PER 4' X 8' BOARD (ONE FASTENER PER 2.67 SF).	MECH. ATTACH WITH 24 FASTENERS PER 4' X 8' BOARD (ONE FASTENER PER 1.33 SF).	LOOSE-LAID

ATTACHMENT FOR ACOUSTICAL STEEL DECKS	FIELD OF ROOF	PERIMETERS	CORNERS
COVER BOARD	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 12" O.C.	ADHERED IN TWO-PART URETHANE FOAM ADHESIVE 3/4" BEADS 6" O.C.	MECH. ATTACH WITH 32 FASTENERS PER 4' X 8' BOARD (ONE FASTENER PER 1.00 SF).
TOP INSULATION LAYER	MECH. ATTACH WITH 12 FASTENERS PER 4' X 8' BOARD (ONE FASTENER PER 2.67 SF).	MECH. ATTACH WITH 24 FASTENERS PER 4' X 8' BOARD (ONE FASTENER PER 1.33 SF).	LOOSE-LAID
BOTTOM AND INTERMEDIATE INSULATION LAYER(S)	LOOSE-LAID	LOOSE-LAID	LOOSE-LAID
UNDERLAYMENT	TACK IN PLACE AS NECESSARY	TACK IN PLACE AS NECESSARY	TACK IN PLACE AS NECESSARY

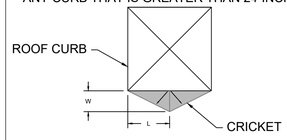


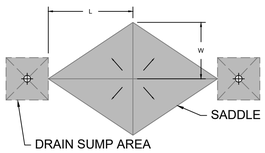


NOTE: IF ANY PORTION OF THE BOARD LIES IN PERIMETER OR CORNER ZONE, ENHANCE THE FASTENING OF THE ENTIRE BOARD

RECOMMENDED MAXIMUM L:W RATIOS FOR SADDLES AND CRICKETS		
ROOF SLOPE	SADDLE MATERIAL SLOPE	L:W RATIO
1/8	1/4	2:1
1/4	1/2	3:1
1/2	1	4:1

CRICKETS MUST BE USED ON THE UPHILL SLOPE OF ANY CURB THAT IS GREATER THAN 24-INCHES





PROFESSIONAL

WeatherTech
Consulting Group, Inc.
Roofing/Waterproofing Consultants
Corporate Office:
45147 Cass Ave.
Utica, MI 48317

Phone #: 586-731-3095
Fax #: 586-731-6863
Email: weathertech@wtcg.net
Web Site: www.wtcg.net

CLIENT

BERKLEY SCHOOLS

Addminstrative Office

14501 Talbot
Oak Park, MI 48237

PROJECT

BERKLEY BEARS

PATTENGILL ELEMENTARY

WTProject No: --------

ISSUE

DATE	DESCRIPTION
09/16/2026	95% Design Review
~~10/14/26~~	~~OTB SET~~

File Name:
Drawn By: PD
Checked By: PD, AC & JM

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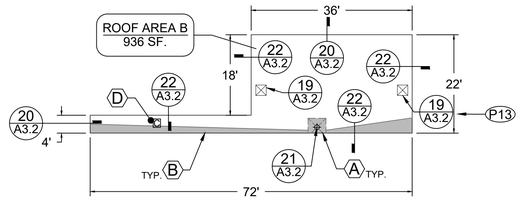
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SHEET TITLE

General Information Sheet 02 of 02

A1.2

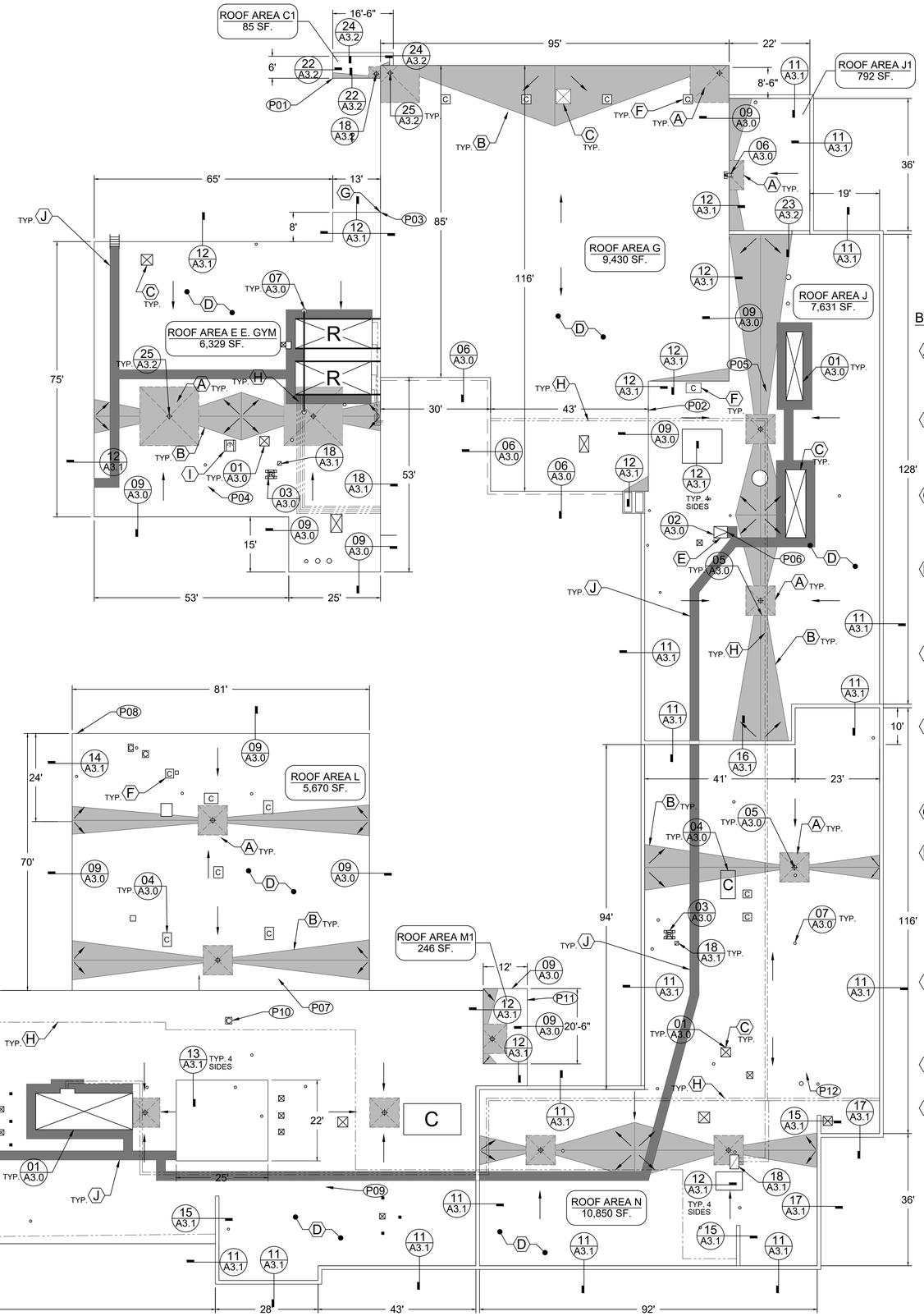
SHEET 03 OF 14

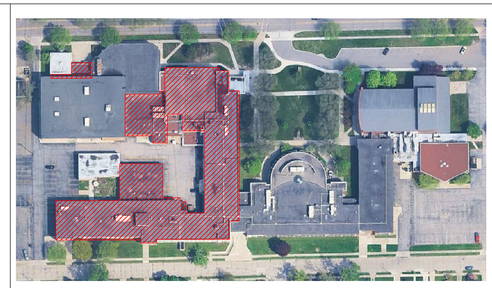


NOTE: TAPERED INSULATION LAYOUT
THE ROOFING CONTRACTOR IS RESPONSIBLE FOR THE FINAL INSULATION SYSTEM LAYOUT. THE ROOFING CONTRACTOR SHALL PROVIDE A TAPERED INSULATION LAYOUT PLAN, PROVIDED BY THE INSULATION MANUFACTURER.

PHOTO MAP:

- P01 Overview - Roof Area C1
- P02 Overview - Roof Area G
- P03 Roof Area E East Gym Sealant Repair
- P04 Overview - Roof Area E East Gym
- P05 Overview - Roof Area J
- P06 Overview - Roof Area J Hatch Replacement
- P07 Overview - Roof Area J
- P08 Roof Area L R-T-W Expansion Joint
- P09 Overview - Roof Area M
- P10 Capped Curb - Typical
- P11 Overview - Roof Area M1
- P12 Overview - Roof Area N
- P13 Overview - Roof Area B





KEY PLAN
NOT TO SCALE
REPLACEMENT AREAS

BERKLEY HIGH SCHOOL - PROJECT SPECIFIC KEY NOTES:

(A) PROVIDE TAPERED DRAINAGE SUMPS AT ROOF DRAIN LOCATIONS INDICATED ON THE ROOF PLAN. REFER TO DETAILS 05, 06, 21, 25 AND SECTIONS 072221 & 072223 FOR PRODUCT AND INSTALLATION REQUIREMENTS.

(B) INSTALL NEW INSULATION SADDLES BETWEEN ROOF DRAINS AND AT OTHER LOCATION INDICATED ON ROOF PLAN - REFER TO SECTIONS 072221 & 072222 FOR PRODUCT AND INSTALLATION REQUIREMENTS - ADJUST SADDLE CONFIGURATION BASED ON FIELD CONDITIONS OBSERVED.

(C) CONTRACTOR SHALL RAISE CURBS AS NEEDED TO ACHIEVE A MINIMUM FLASHING HEIGHT OF 8-INCHES - RAISE ALL ELECTRICAL, PLUMBING AND MECHANICAL AS NEEDED - ALL WORK SHALL BE PERFORMED BY LICENSED PROFESSIONAL TO PERFORM SUCH WORK.

(D) WHERE 8-INCH FLASHING HEIGHTS CANNOT BE ACHIEVED CONTRACTOR SHALL SEAL TOP EDGE OF MEMBRANE AND TERM BAR WITH MANUFACTURERS LIQUID APPLIED FLASHING SYSTEM WHERE 8-INCH FLASHING CANNOT BE ACHIEVED (TYPICAL ALL AREAS) - REFER TO SECTION 075323 FOR PRODUCT REQUIREMENTS

(E) EXISTING ROOF HATCH - CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING ROOF HATCH AND CURB - PROVIDE NEW ROOF HATCH WITH INTEGRATED CURB - REFER TO SECTION 075323 FOR PRODUCT REQUIREMENTS.

(F) EXISTING CAPPED CURBS - CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING CAPPED CUBS - REPAIR DECK AS NECESSARY - REFER TO SECTIONS 030150 & 053123 FOR DECK REPAIR REQUIREMENTS - WHEN CURBS CANNOT BE REMOVED REFER TO DETAIL 04 FOR FLASHING REQUIREMENTS.

(G) EXISTING WALL JOINT - CONTRACTOR SHALL RAKE AND RESEAL DETERIORATED WALL JOINT.

(H) EXISTING GAS, CONDUIT AND CONDENSATE LINES ON ROOF: TEMPORARILY DISPLACE TO ALLOW FOR INSTALLATION OF NEW ROOF SYSTEM. PROVIDE NEW CONNECTIONS WHERE EXISTING IS DETERIORATED, ADD NEW WHERE MISSING OR AS NEEDED FOR PROPER COMPLETE REINSTALLATION. RE-INSTALL ON NEW PREFABRICATED SUPPORTS AND SET ON NEW WALKPADS. ROUTE CONDENSATE LINES TO NEAREST ROOF DRAIN. NOTE THAT DISCONNECTION AND RECONNECTION OF GAS AND CONDUIT LINES SHALL BE PERFORMED BY A CONTRACTOR LICENSED TO PERFORM THE SPECIFIED WORK.

(I) EXISTING SATELLITE DISH - IF SATELLITE IS FOUND TO BE OBSOLETE REMOVE AND DISPOSE OF ACCORDINGLY. IF SATELLITE IS STILL OPERATIONAL, TEMPORARILY DISPLACE TO ALLOW FOR INSTALLATION OF NEW ROOF SYSTEM. REINSTALL ON WALKPADS AFTER COMPLETION OF WORK. COORDINATE THIS WORK WITH OWNER.

(J) CONTRACTOR SHALL PROVIDE WALK PADS WHERE INDICATED ON ROOF PLAN - REFER TO SECTION 075323 FOR PRODUCT REQUIREMENTS.

(K) EXISTING EXTERIOR WALL LADDER - CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING WALL - PROVIDE ALL NEW EXTERIOR WALL LADDER - REFER TO SECTION 075323 FOR PRODUCT REQUIREMENTS.

BERKLEY HIGH SCHOOL
8' 0 8' 16' 32'
SCALE: 1/16" = 1'-0"

PROFESSIONAL

WeatherTech
Consulting Group, Inc.
Roofing/Waterproofing Consultants
Corporate Office:
45147 Cass Ave.
Utica, MI 48317

Phone #: 586-731-3095
Fax #: 586-731-6863
Email: weathertech@wtcg.net
Web Site: www.wtcg.net

CLIENT

BERKLEY SCHOOLS

Addminstrative Office

14501 Talbot
Oak Park, MI 48237

PROJECT

BERKLEY BEARS

Berkley High School

2325 Catalpa Dr.
Berkley, MI 48072

WTProject No: --------

ISSUE

DATE	DESCRIPTION
09/16/2026	95% Design Review
10/14/26	OTB SET

File Name:
Drawn By: MD
Checked By: PD, AC, AW, JM

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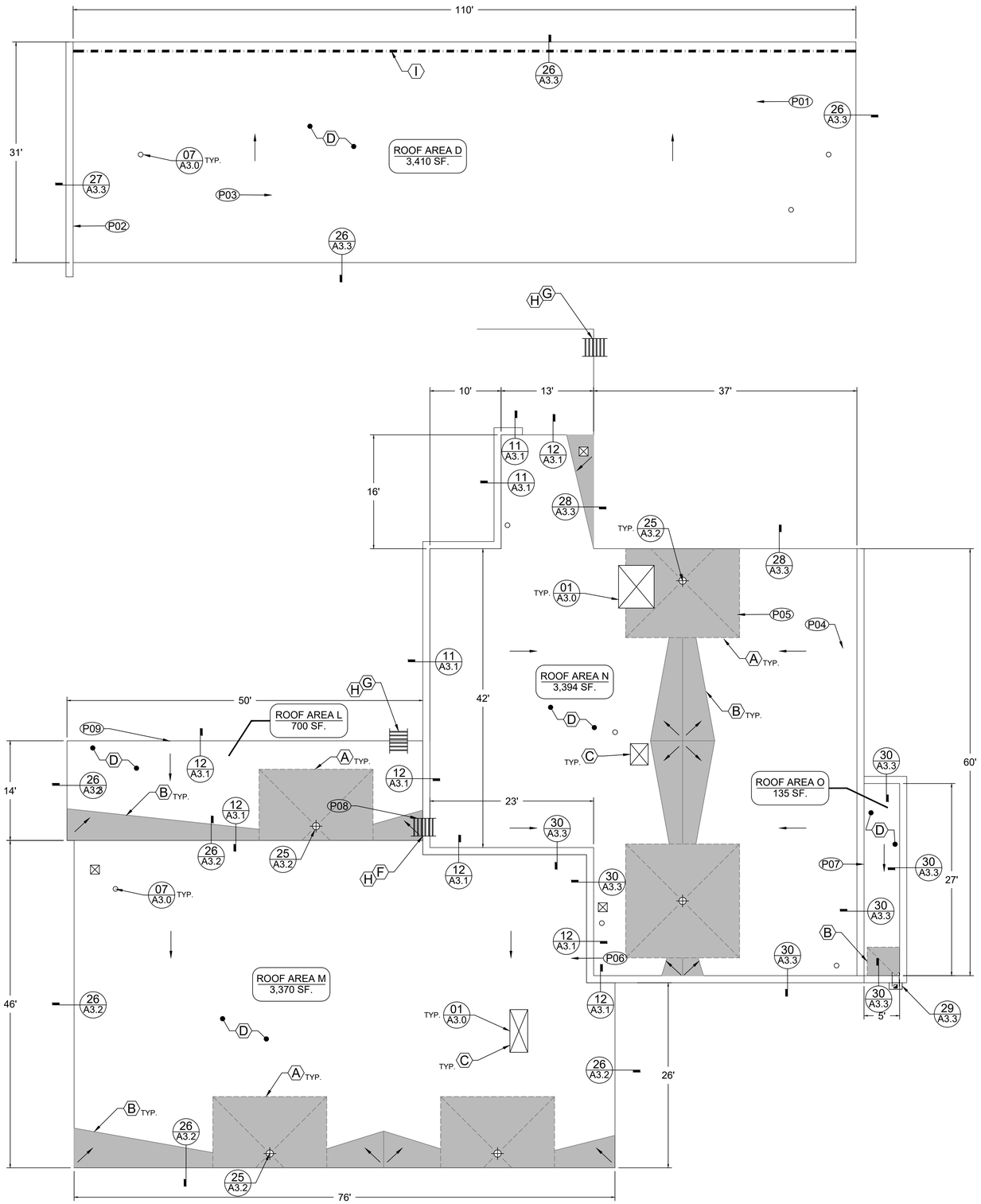
ELECTRONIC STAMP

SHEET TITLE

Berkey High School Roof Replacement

A2.0

SHEET 04 OF 14





NORTH **KEY PLAN**
NOT TO SCALE

REPLACEMENT AREAS

PATTENGILL ELEMENTARY SCHOOL - PROJECT SPECIFIC KEY NOTES:

Ⓐ PROVIDE TAPERED DRAINAGE SUMPS AT ROOF DRAIN LOCATIONS INDICATED ON THE ROOF PLAN. REFER TO DETAILS 25, 29 AND SECTION 072221 FOR PRODUCT AND INSTALLATION REQUIREMENTS.

Ⓑ INSTALL NEW INSULATION SADDLES BETWEEN ROOF DRAINS AND AT OTHER LOCATION INDICATED ON ROOF PLAN - REFER TO SECTION 072221 FOR PRODUCT AND INSTALLATION REQUIREMENTS - ADJUST SADDLE CONFIGURATION BASED ON FIELD CONDITIONS OBSERVED.

Ⓒ CONTRACTOR SHALL RAISE CURBS AS NEEDED TO ACHIEVE A MINIMUM FLASHING HEIGHT OF 8-INCHES - RAISE ALL ELECTRICAL, PLUMBING AND MECHANICAL AS NEEDED - ALL WORK IS SHALL BE PERFORMED BY LICENSED PROFESSIONAL TO PERFORM SUCH WORK.

Ⓓ WHERE 8-INCH FLASHING HEIGHTS CANNOT BE ACHIEVED CONTRACTOR SHALL SEAL TOP EDGE OF MEMBRANE AND TERM BAR WITH MANUFACTURERS LIQUID APPLIED FLASHING SYSTEM WHERE 8-INCH FLASHING CANNOT BE ACHIEVED (TYPICAL ALL AREAS) - REFER TO SECTION 075323 FOR PRODUCT REQUIREMENTS

Ⓔ EXISTING WALL LADDER - CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING WALL MOUNTED LADDER - PROVIDE ALL NEW WALL MOUNTED LADDER - REFER TO SECTION 075323 FOR PRODUCT REQUIREMENTS

Ⓕ EXISTING WALL LADDER - CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING WALL MOUNTED LADDER - PROVIDE ALL NEW WALL MOUNTED LADDER - REFER TO SECTION 075323 FOR PRODUCT REQUIREMENTS

Ⓖ CONTRACTOR SHALL PROVIDE ALL NEW EXTERIOR WALL MOUNTED LADDER WHERE INDICATED ON ROOF PLAN - REFER TO SECTION 075323 FOR PRODUCT REQUIREMENTS.

Ⓗ CONTRACTOR SHALL PROVIDE WALK PADS AT THE THE BASE AND TOP OF ALL LADDER - REFER TO SECTION 075323 FOR PRODUCT REQUIREMENTS.

Ⓘ CONTRACTOR SHALL PROVIDE NEW SNOW/ICE RETENTION SYSTEM WHERE INDICATED ON ROOF PLANS - REFER TO SECTION 075323 FOR PRODUCT REQUIREMENT - INSTALL PER THE MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.

PHOTO MAP:

Ⓟ01 Overview - Roof Area D

Ⓟ02 Roof Area D R-T-W Expansion Joint

Ⓟ03 Overview - Roof Area D

Ⓟ04 Overview - Roof Area N

Ⓟ05 Overview - Roof Area N

Ⓟ06 Overview - Roof Area M

Ⓟ07 Overview - Roof Area O

Ⓟ08 Roof Area L Ladder Replacement

Ⓟ09 Overview - Roof Area L

PATTENGILL ELEMENTARY SCHOOL

NORTH

4' 0 4' 8' 16'

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

PROFESSIONAL

WeatherTech
Consulting Group, Inc.
Roofing/Waterproofing Consultants
Corporate Office:
45147 Cass Ave.
Utica, MI 48317

Phone #: 586-731-3095
Fax #: 586-731-6863
Email: weathertech@wtcg.net
Web Site: www.wtcg.net

CLIENT

BERKLEY SCHOOLS

Addminstrative Office

14501 Talbot
Oak Park, MI 48237

PROJECT

Pattengill Elementary School

2325 Catalpa Dr.
Berkley, MI 48072

WTProject No: --------

ISSUE

DATE	DESCRIPTION
09/16/2026	95% Design Review
10/14/26	OTB SET

File Name:
Drawn By: MD
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ELECTRONIC STAMP

SHEET TITLE

Pattengill Elementary School
Roof Replacement

A2.1

ANGELL ELEMENTARY SCHOOL - PROJECT SPECIFIC KEY NOTES:

Ⓐ PROVIDE TAPERED DRAINAGE SUMPS AT ROOF DRAIN LOCATIONS INDICATED ON THE ROOF PLAN. REFER TO DETAILS 25, 29 AND SECTION 072221 FOR PRODUCT AND INSTALLATION REQUIREMENTS.

Ⓑ INSTALL NEW INSULATION SADDLES BETWEEN ROOF DRAINS AND AT OTHER LOCATION INDICATED ON ROOF PLAN - REFER TO SECTION 072221 FOR PRODUCT AND INSTALLATION REQUIREMENTS - ADJUST SADDLE CONFIGURATION BASED ON FIELD CONDITIONS OBSERVED.

Ⓒ CONTRACTOR SHALL RAISE CURBS AS NEEDED TO ACHIEVE A MINIMUM FLASHING HEIGHT OF 8-INCHES - RAISE ALL ELECTRICAL, PLUMBING AND MECHANICAL AS NEEDED - ALL WORK ISHALL BE PERFORMED BY LICENSED PROFESSIONAL TO PERFORM SUCH WORK.

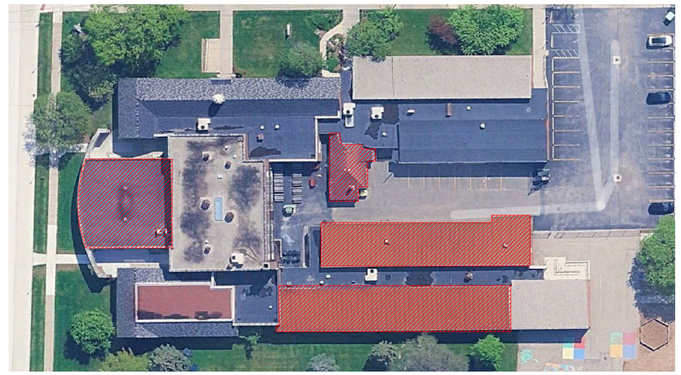
Ⓓ WHERE 8-INCH FLASHING HEIGHTS CANNOT BE ACHIEVED CONTRACTOR SHALL SEAL TOP EDGE OF MEMBRANE AND TERM BAR WITH MANUFACTURERS LIQUID APPLIED FLASHING SYSTEM WHERE 8-INCH FLASHING CANNOT BE ACHIEVED (TYPICAL ALL AREAS) - REFER TO SECTION 075323 FOR PRODUCT REQUIREMENTS

Ⓔ CONTRACTOR SHALL PROVIDE WALK PADS WHERE INDICATED ON ROOF PLAN - REFER TO SECTION 075323 FOR PRODUCT REQUIREMENTS.

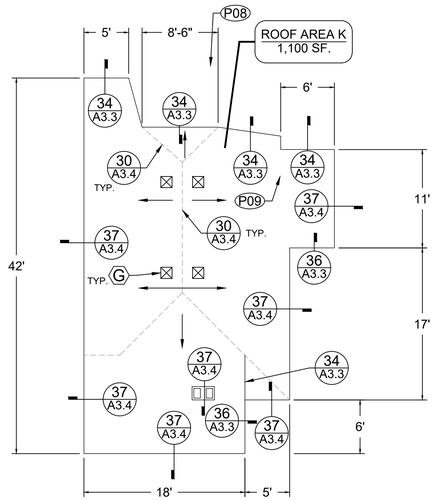
Ⓕ CONTRACTOR SHALL PROVIDE NEW SNOW/ICE RETENTION SYSTEM WHERE INDICATED ON ROOF PLANS - REFER TO SECTION 075323 FOR PRODUCT REQUIREMENT - INSTALL PER THE MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.

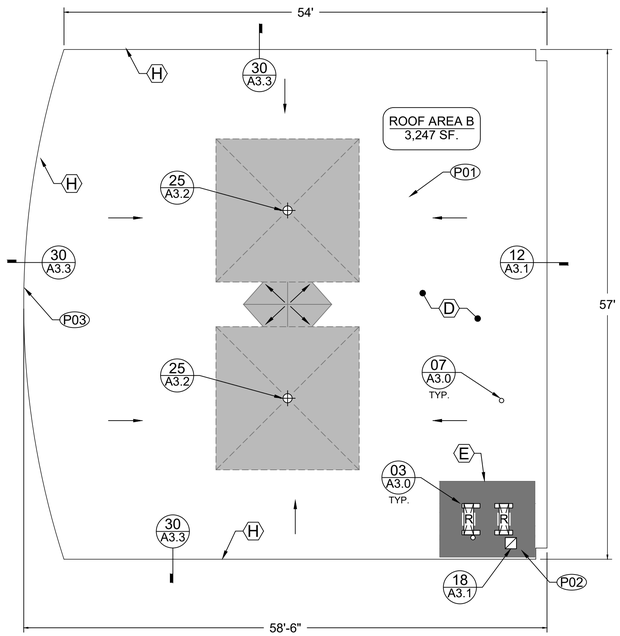
Ⓖ ROOF AREA K: EXISTING GRAVITY VENTS - CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING GRAVITY VENTS - PROVIDE ALL NEW GRAVITY VENTS - INSTALL FOLLOWING THE MANUFACTURERS RECOMMENDATIONS & REQUIREMENTS.

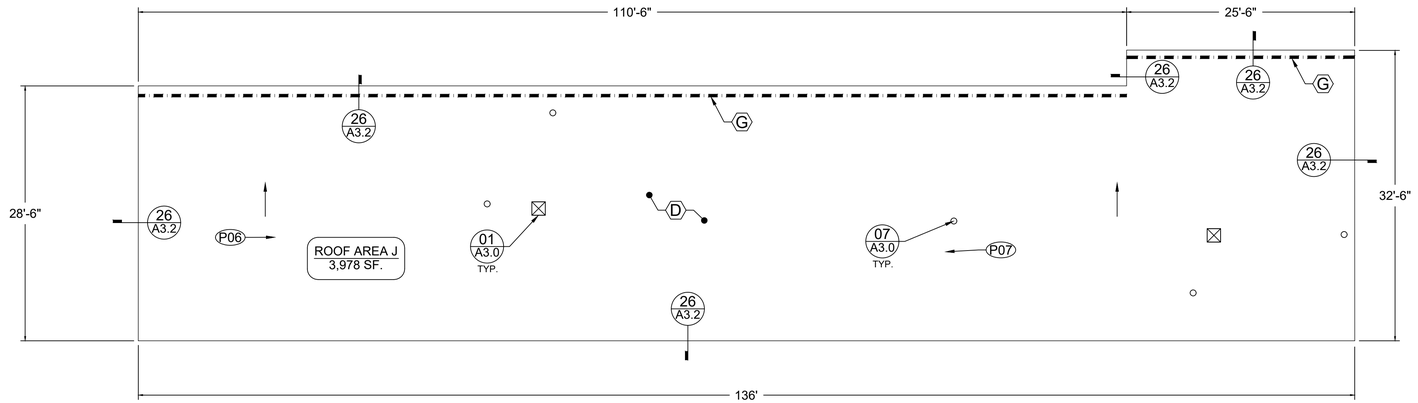
Ⓗ EXISTING STONE COPINGS - CONTRACTOR SHALL RAKE AND RESEAL ALL HORIZONTAL & VERTICAL JOINTS - REFER TO DETAIL 30 AND SECTION 0079201.



NORTH **KEY PLAN**
NOT TO SCALE
REPLACEMENT AREAS







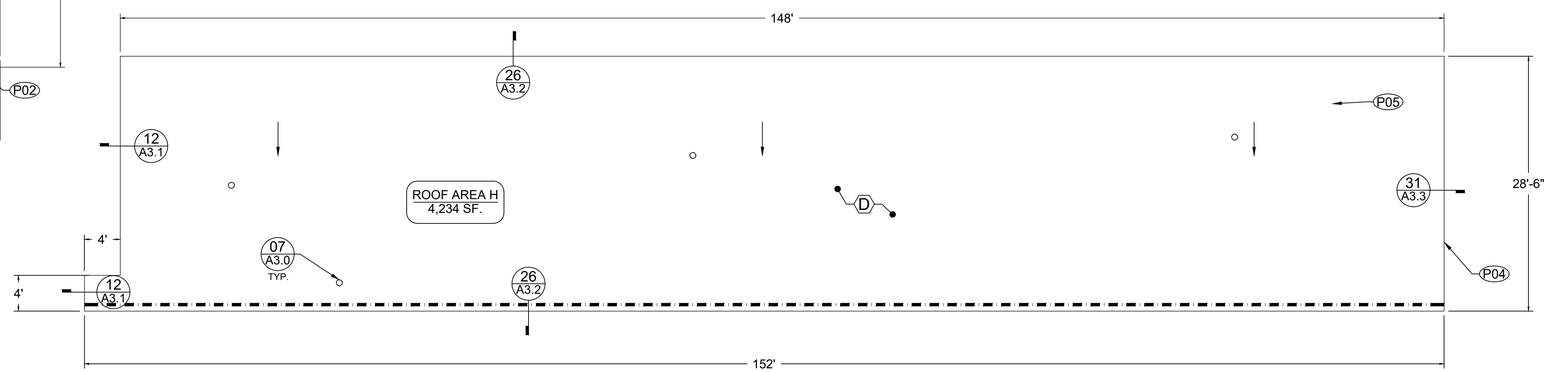


PHOTO MAP:

- P01 Overview - Roof Area B
- P02 Overview - Roof Area B
- P03 Roof Area B Stone Coping Joint
- P04 Roof Area H - New Divider Curb
- P05 Overview - Roof Area H
- P06 Overview - Roof Area J
- P07 Overview - Roof Area J
- P08 Overview - Roof Area K
- P09 Overview - Roof Area K

NORTH **ANGELL ELEMENTARY SCHOOL**

4' 0 4' 8' 16'

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

PROFESSIONAL

WeatherTech
Consulting Group, Inc.
Roofing/Waterproofing Consultants
Corporate Office:
45147 Cass Ave.
Utica, MI 48317

Phone #: 586-731-3095
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CLIENT

BERKLEY SCHOOLS

Addminstrative Office

14501 Talbot
Oak Park, MI 48237

PROJECT

Angell Elementary School

3849 Beverly Blvd
Berkley, MI 48072

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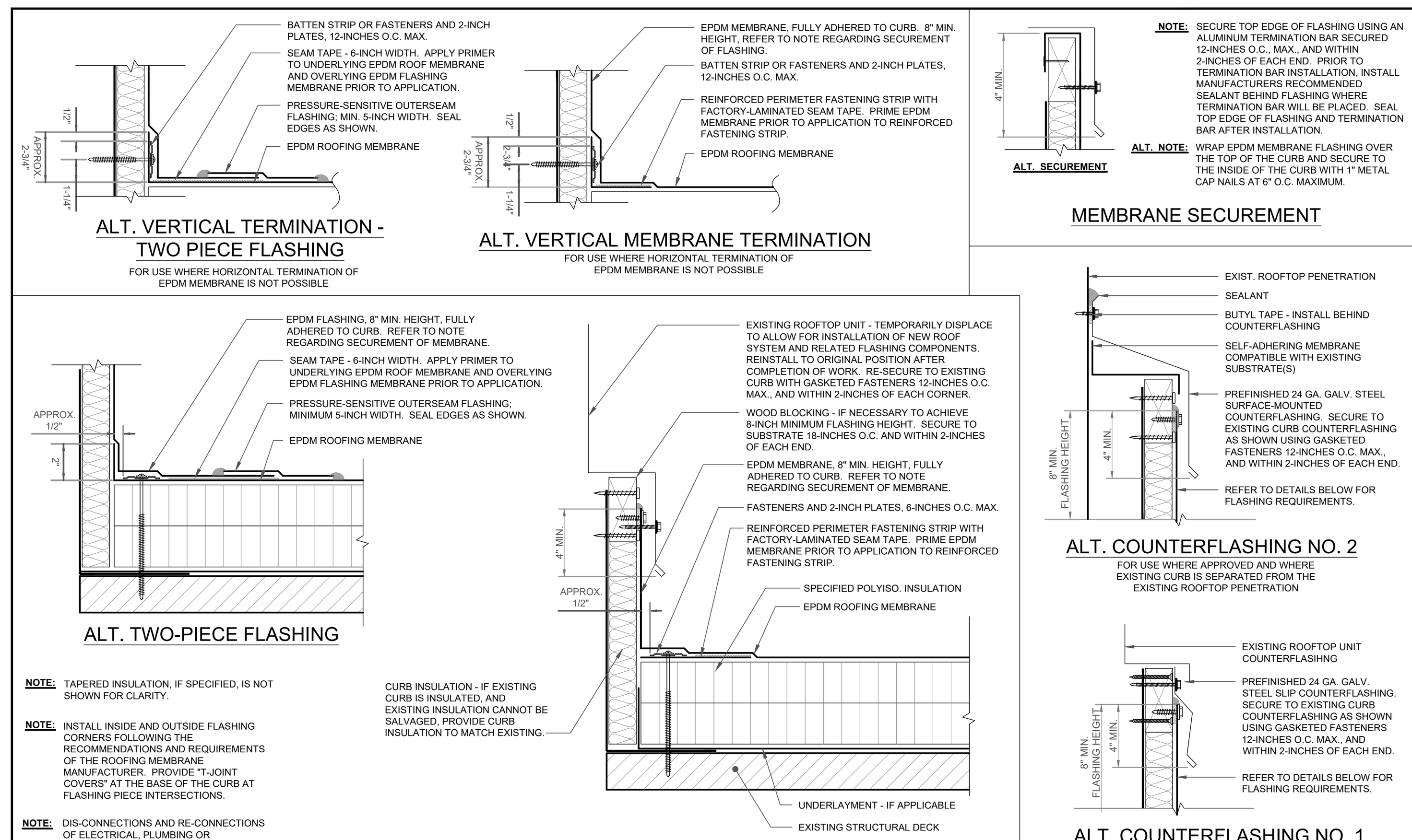
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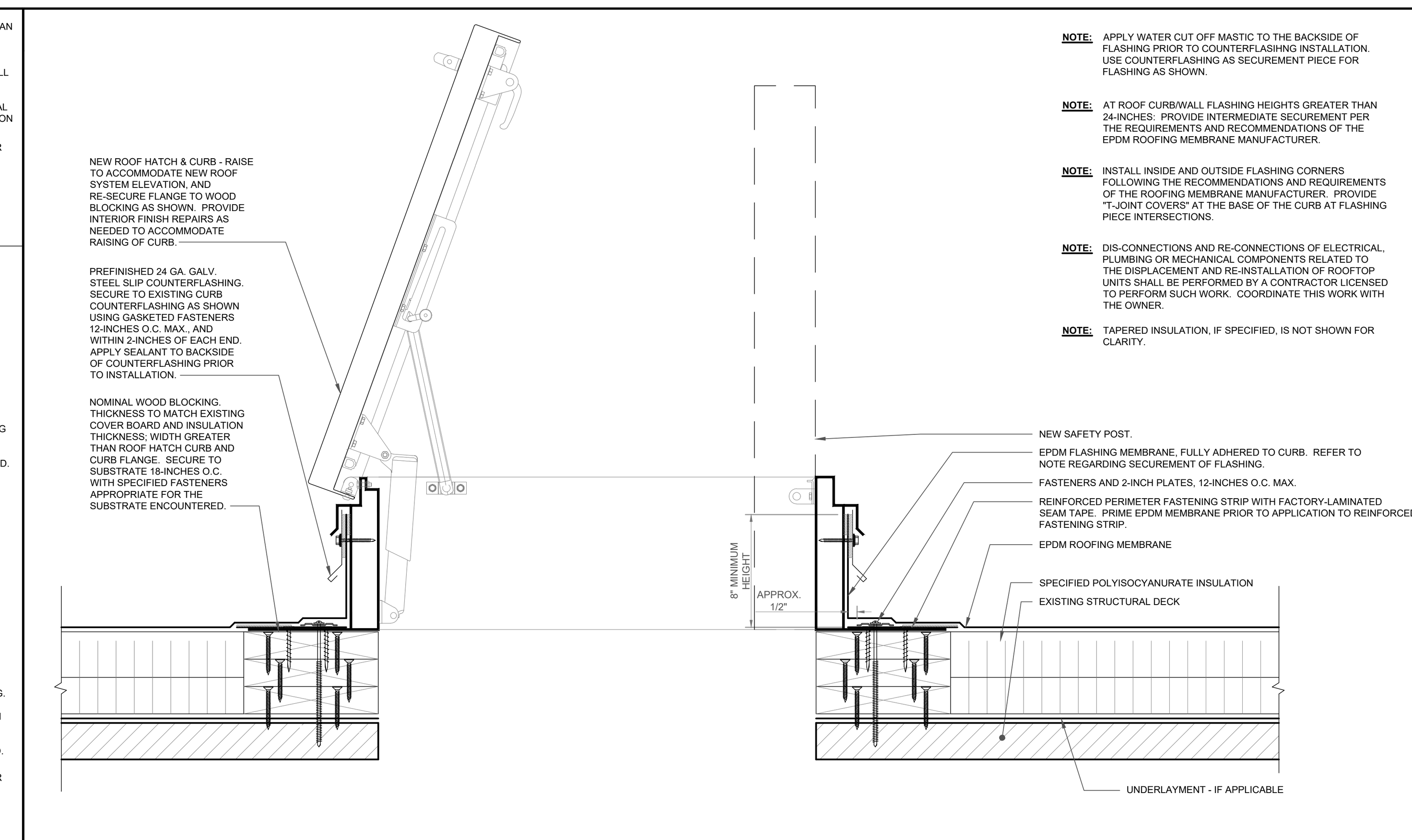
Angell Elementary School Roof Replacement

A2.2

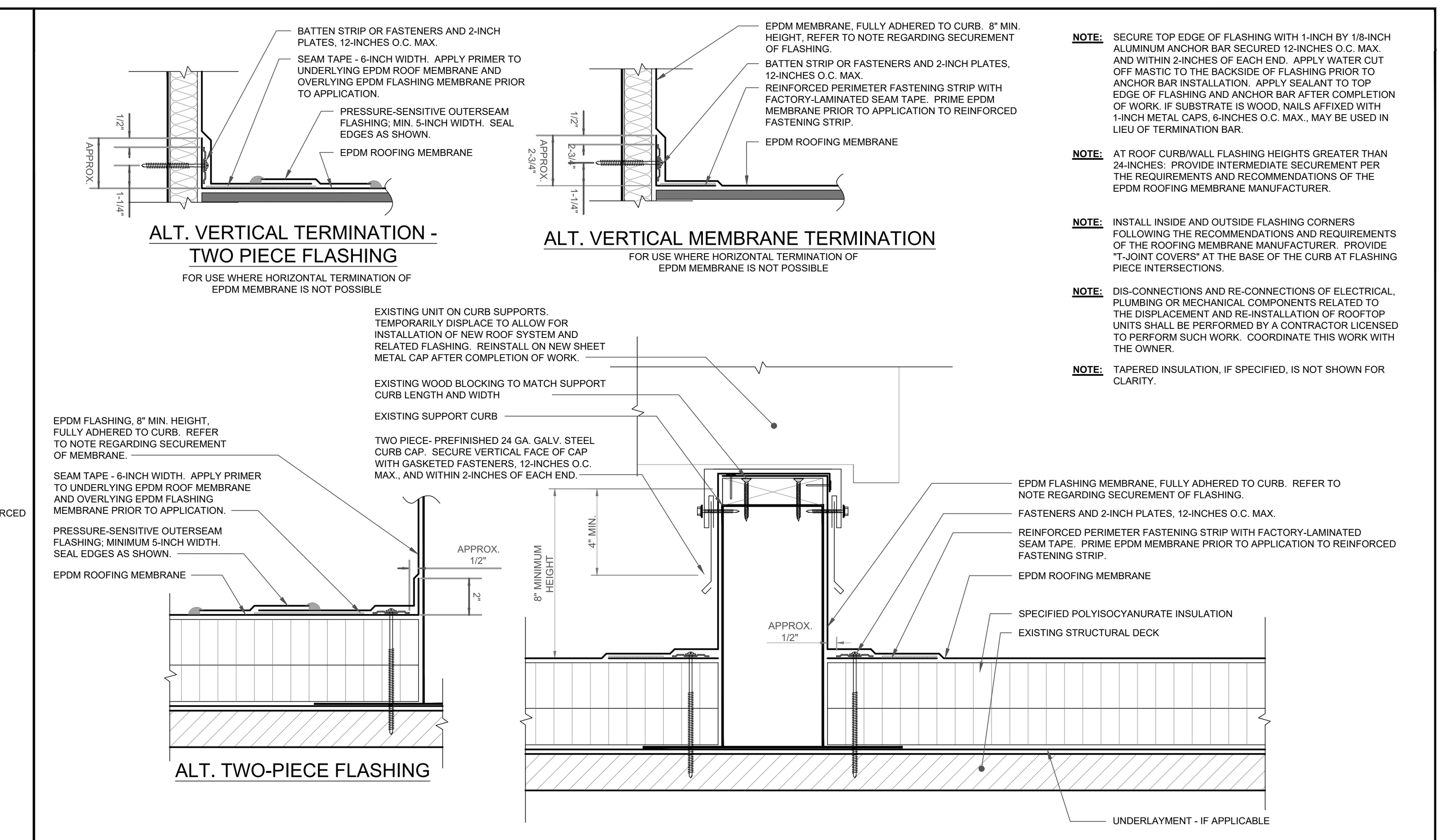
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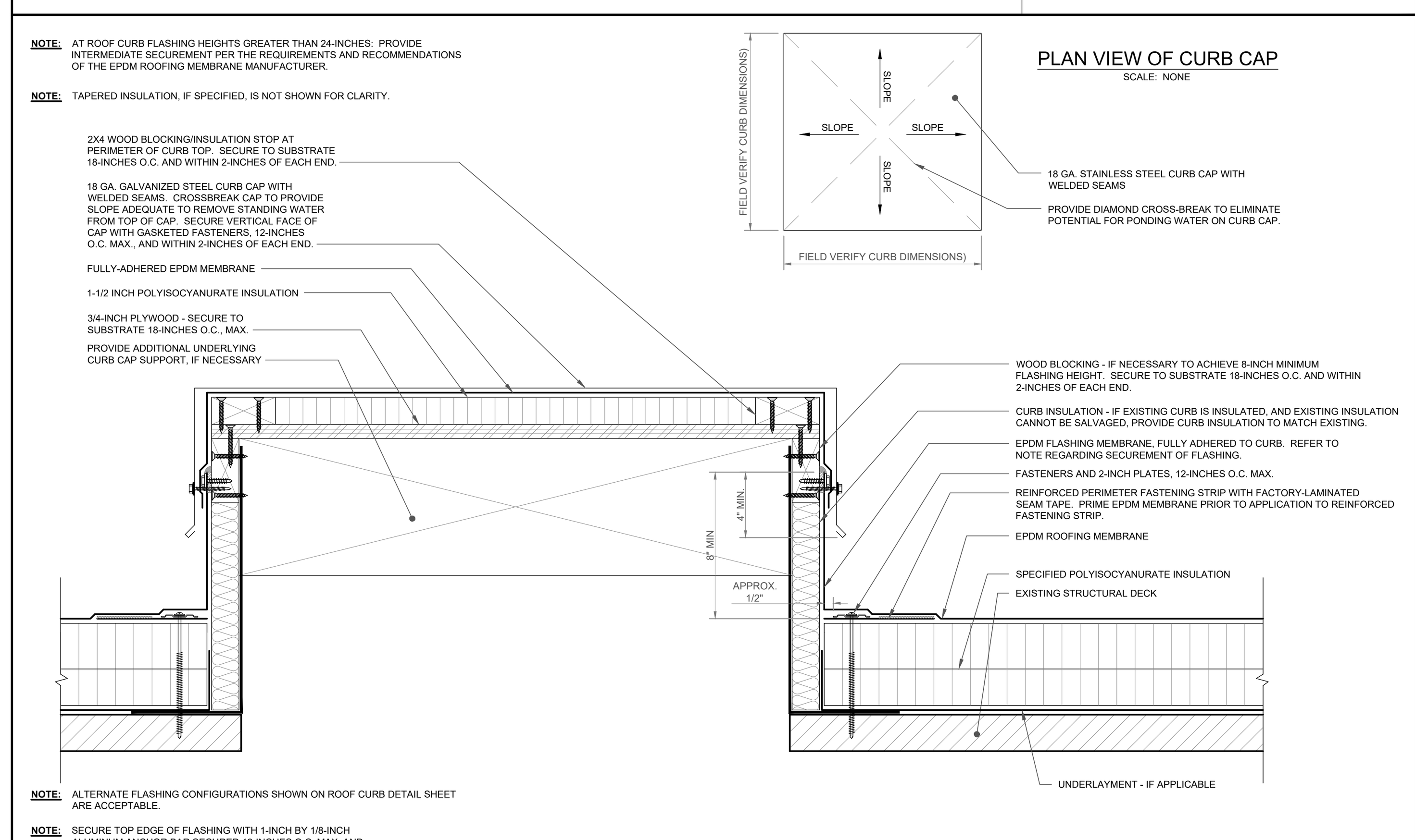
DETAIL 01 - ROOF CURB FLASHING



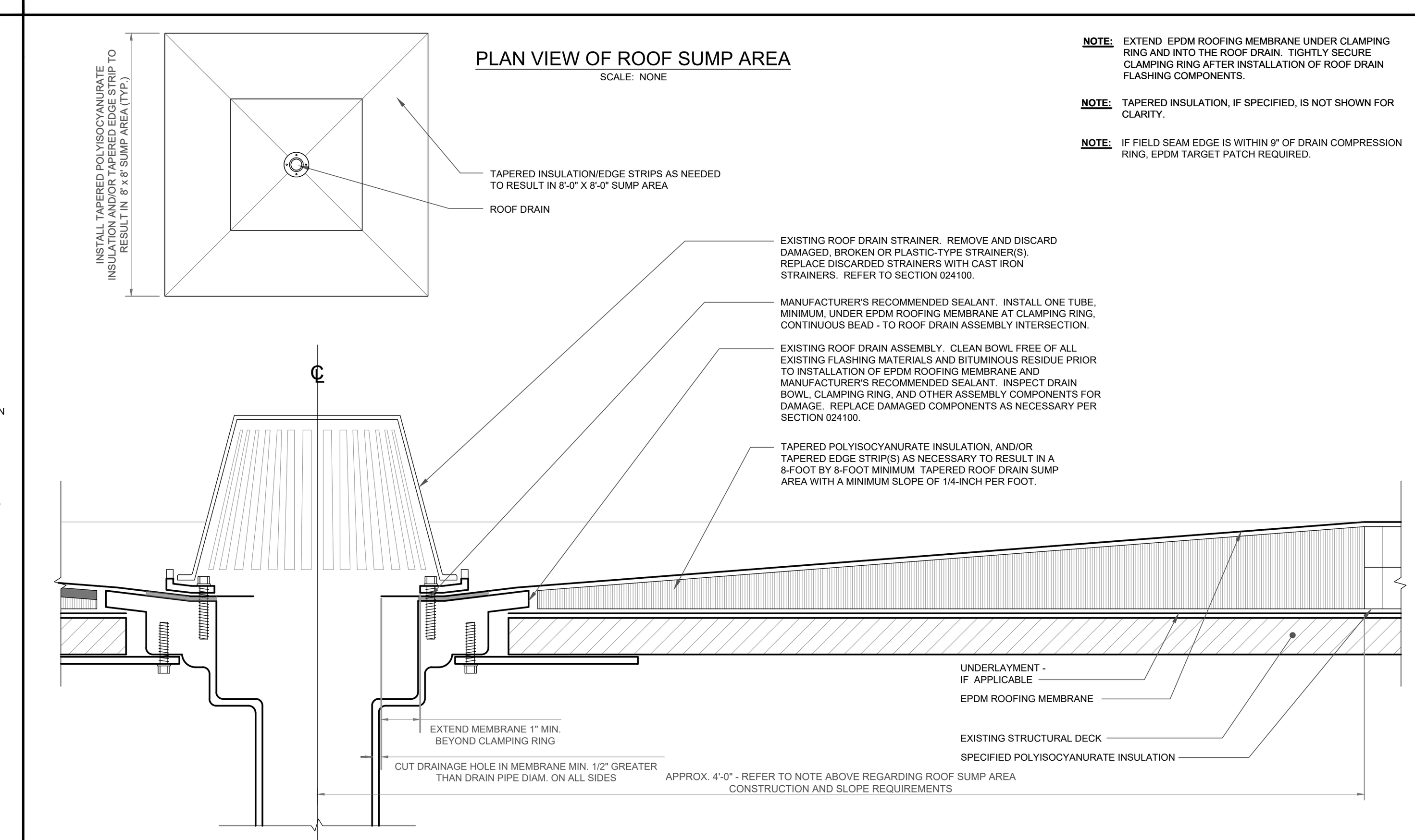
DETAIL 02 - ROOF HATCH CURB FLASHING



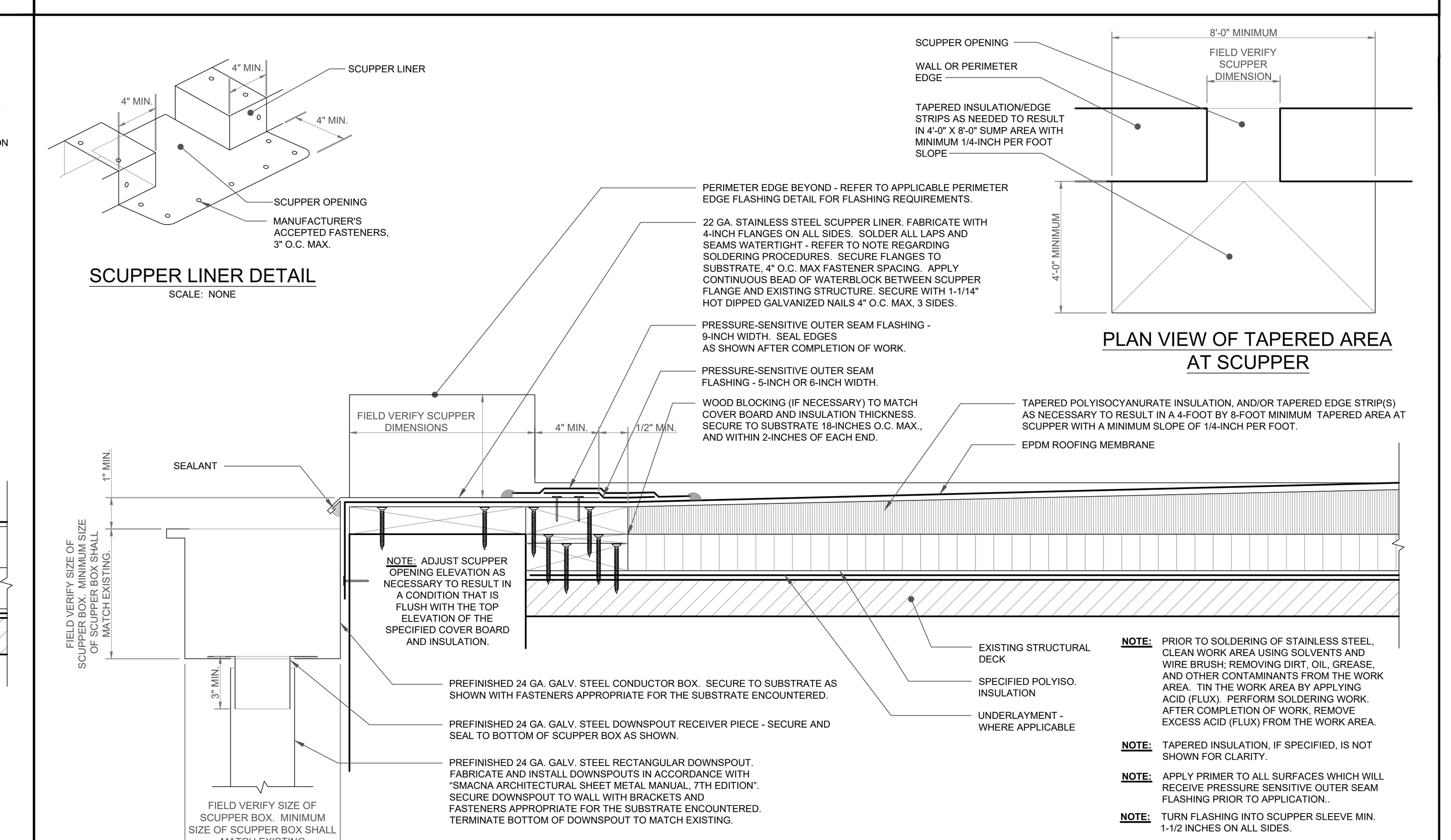
DETAIL 03 - SUPPORT CURB FLASHING



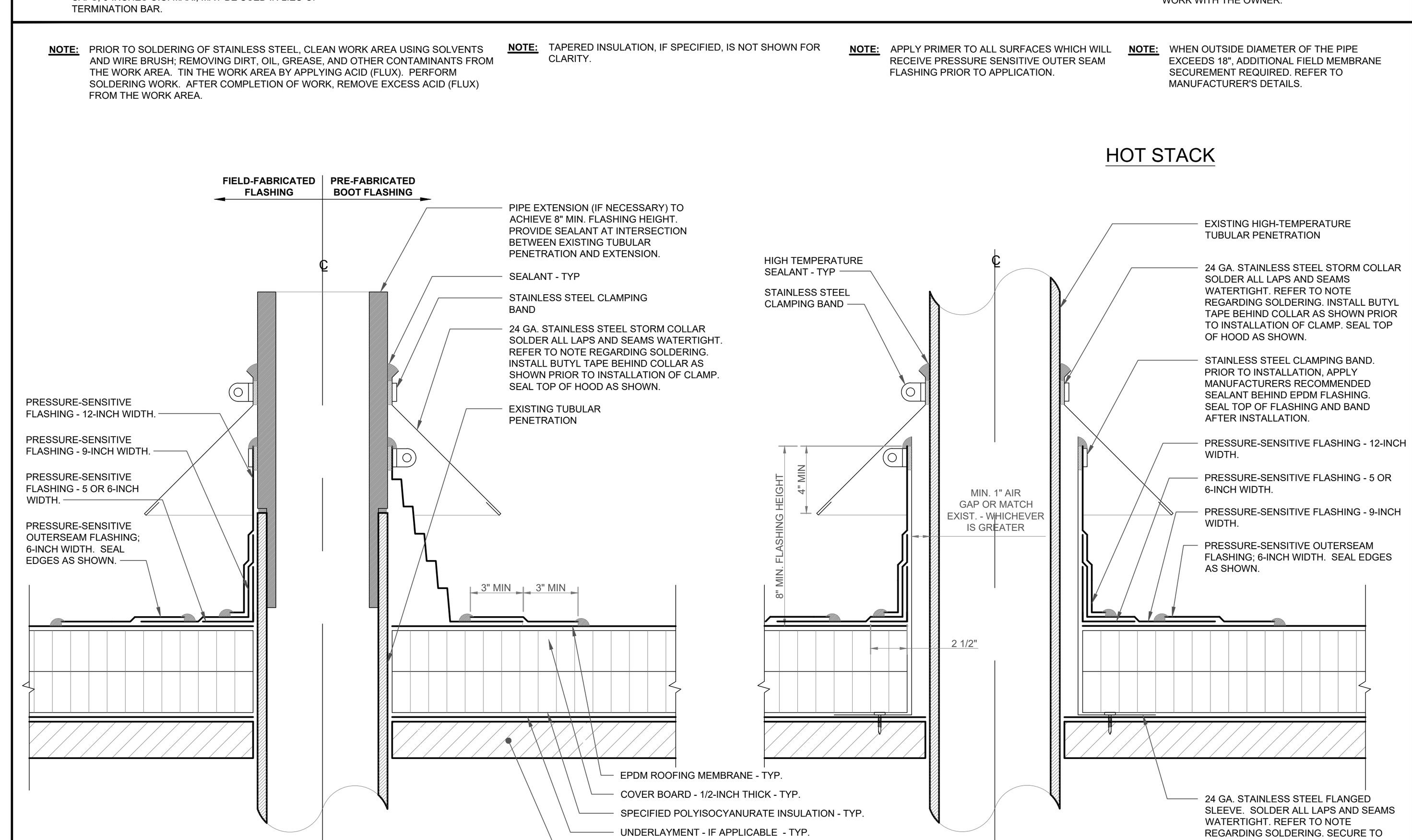
DETAIL 04 - CAPPED CURB FLASHING



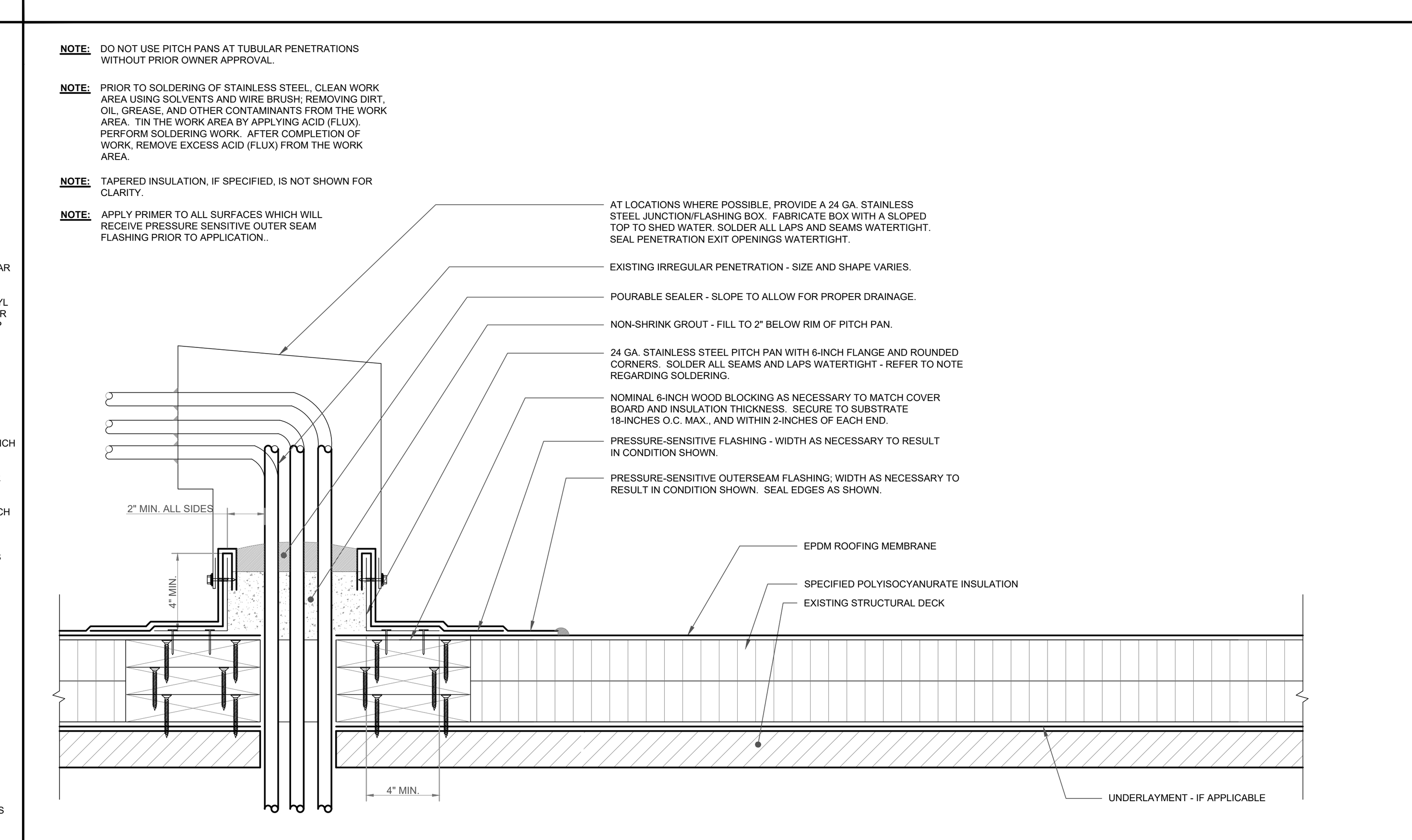
DETAIL 05 - ROOF DRAIN FLASHING (8'x8' SUMP)



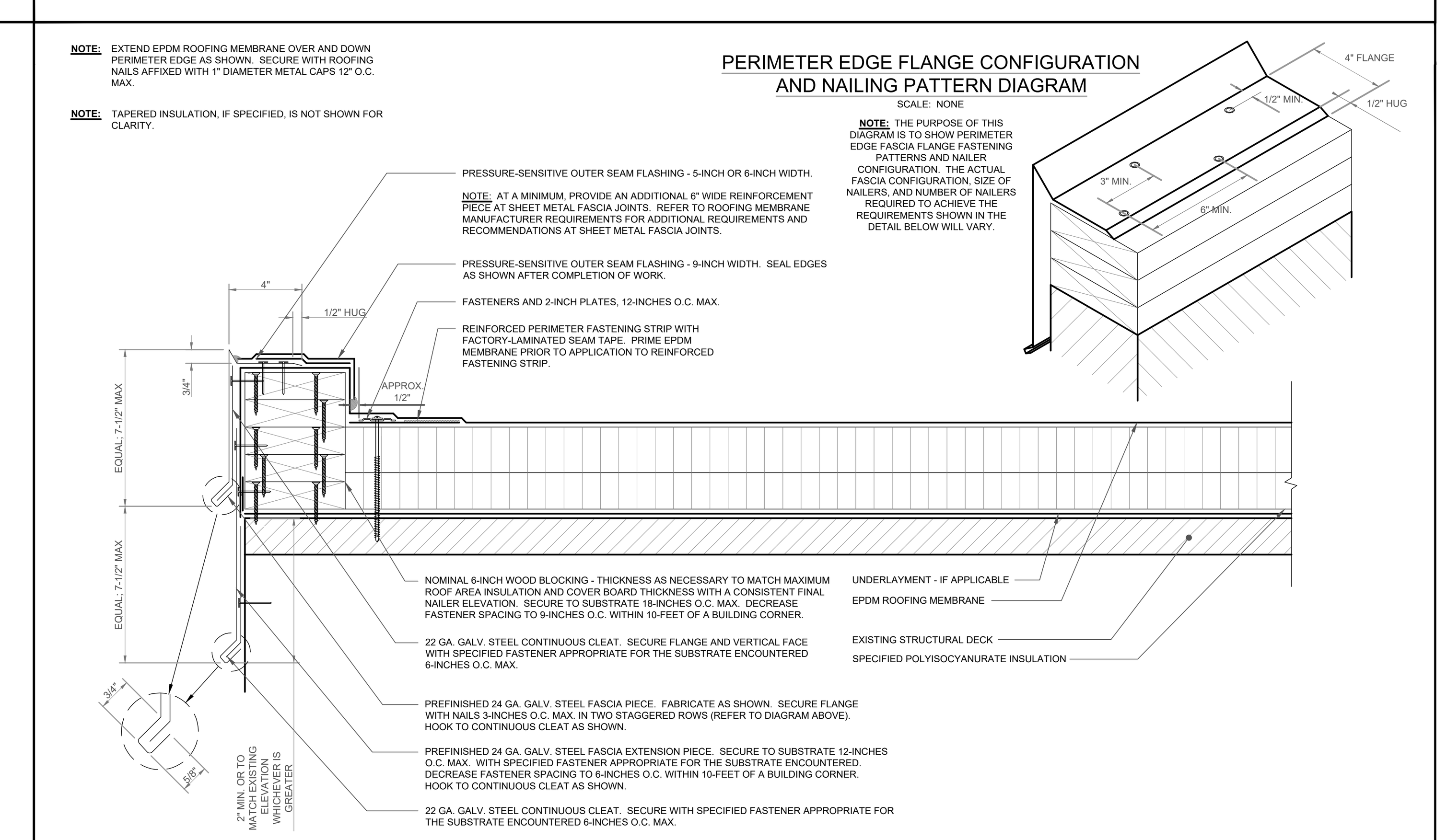
DETAIL 06 - THROUGH-FASCIA SCUPPER FLASHING



DETAIL 07 - TUBULAR PENETRATION FLASHING



DETAIL08 - PITCH PAN FLASHING



DETAIL 09 - PERIMETER EDGE FLASHING

PROFESSIONAL

WeatherTech
Consulting Group, Inc.
Roofing/Waterproofing Consultants
Corporate Office:
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CLIENT

BERKLEY SCHOOLS

Addministrative Office

14501 Talbot
Oak Park, MI 48237

PROJECT

BERKLEY BEARS

WTProject No: --------

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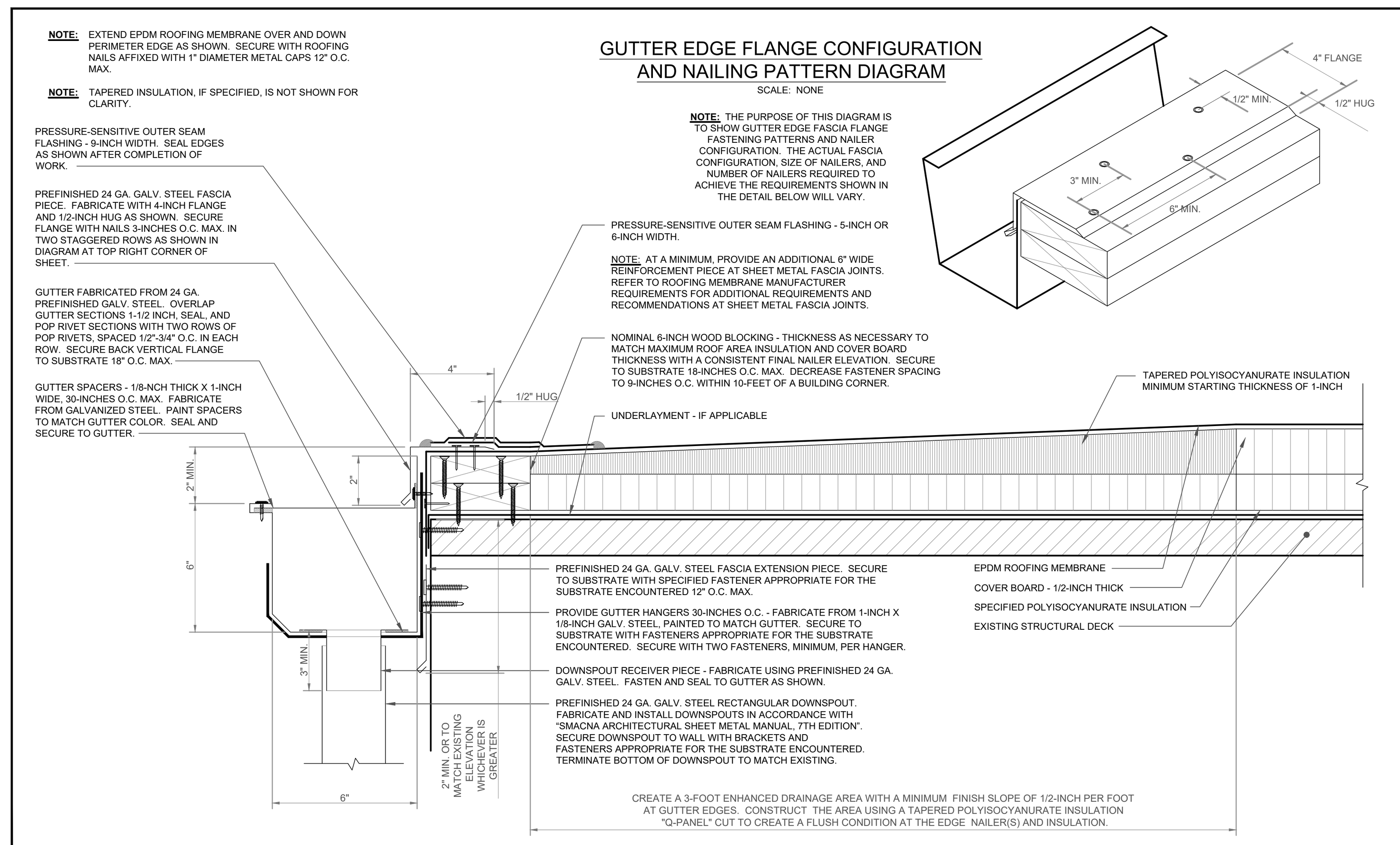
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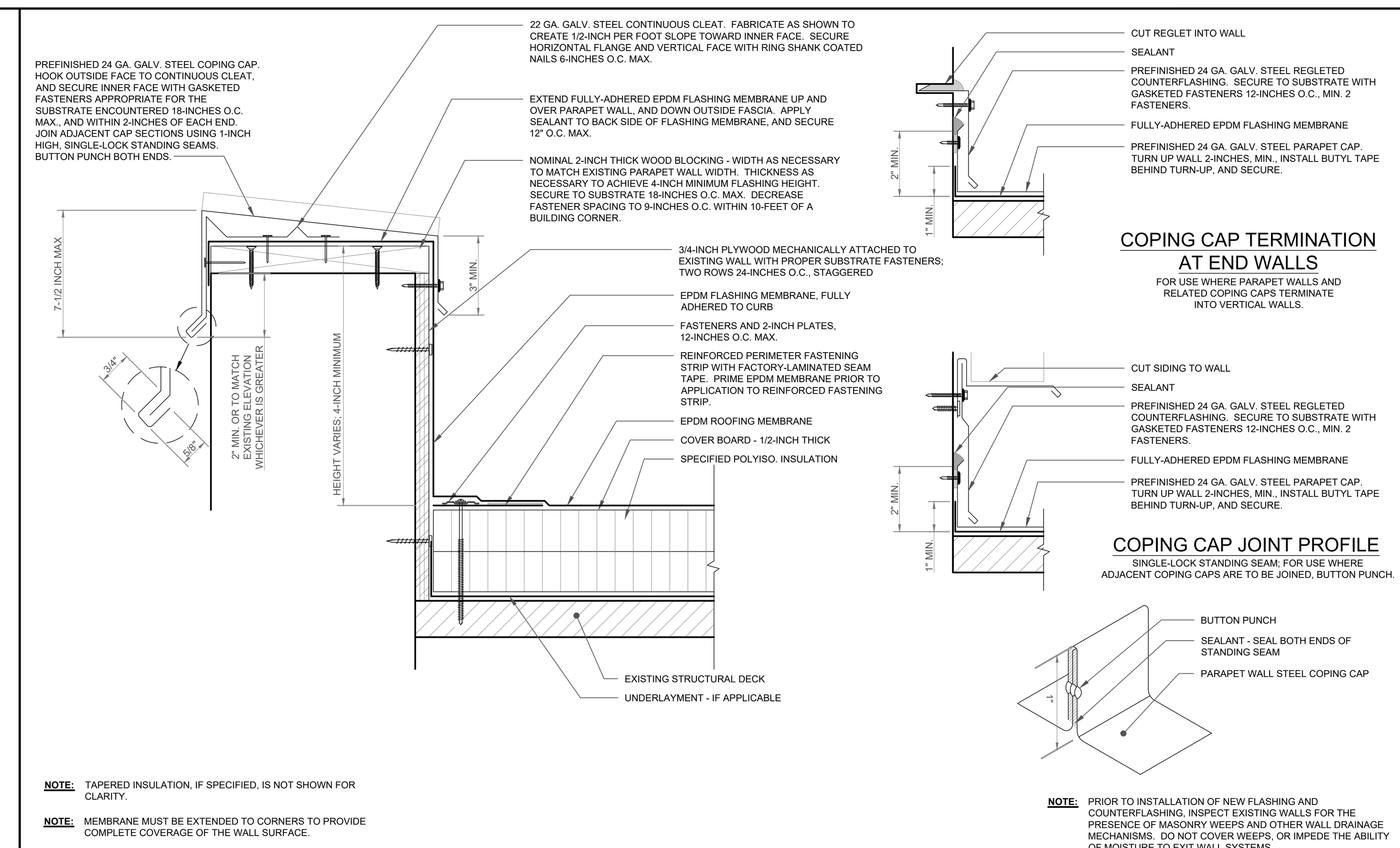
SHEET TITLE

Detail Sheet
Details 01-09

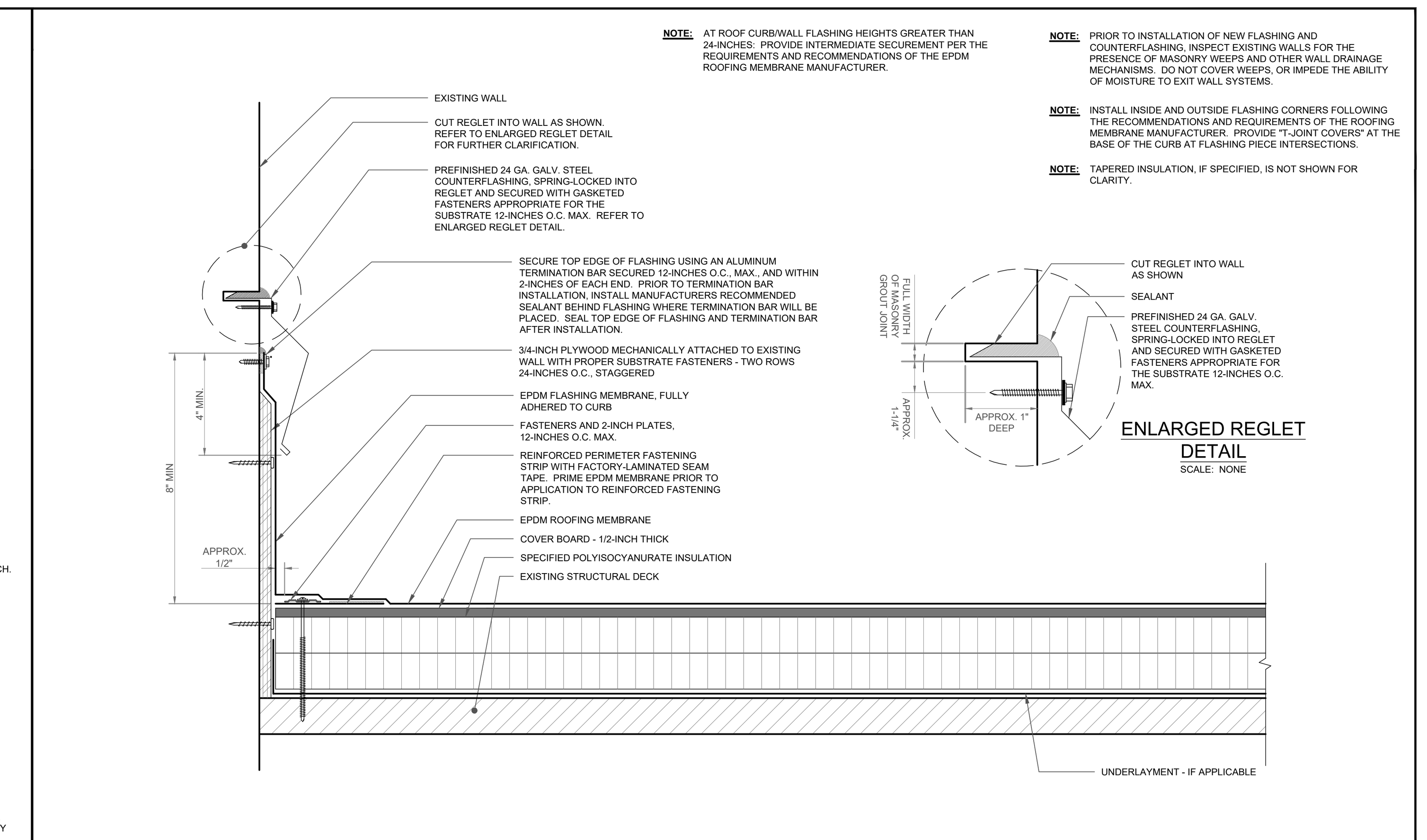
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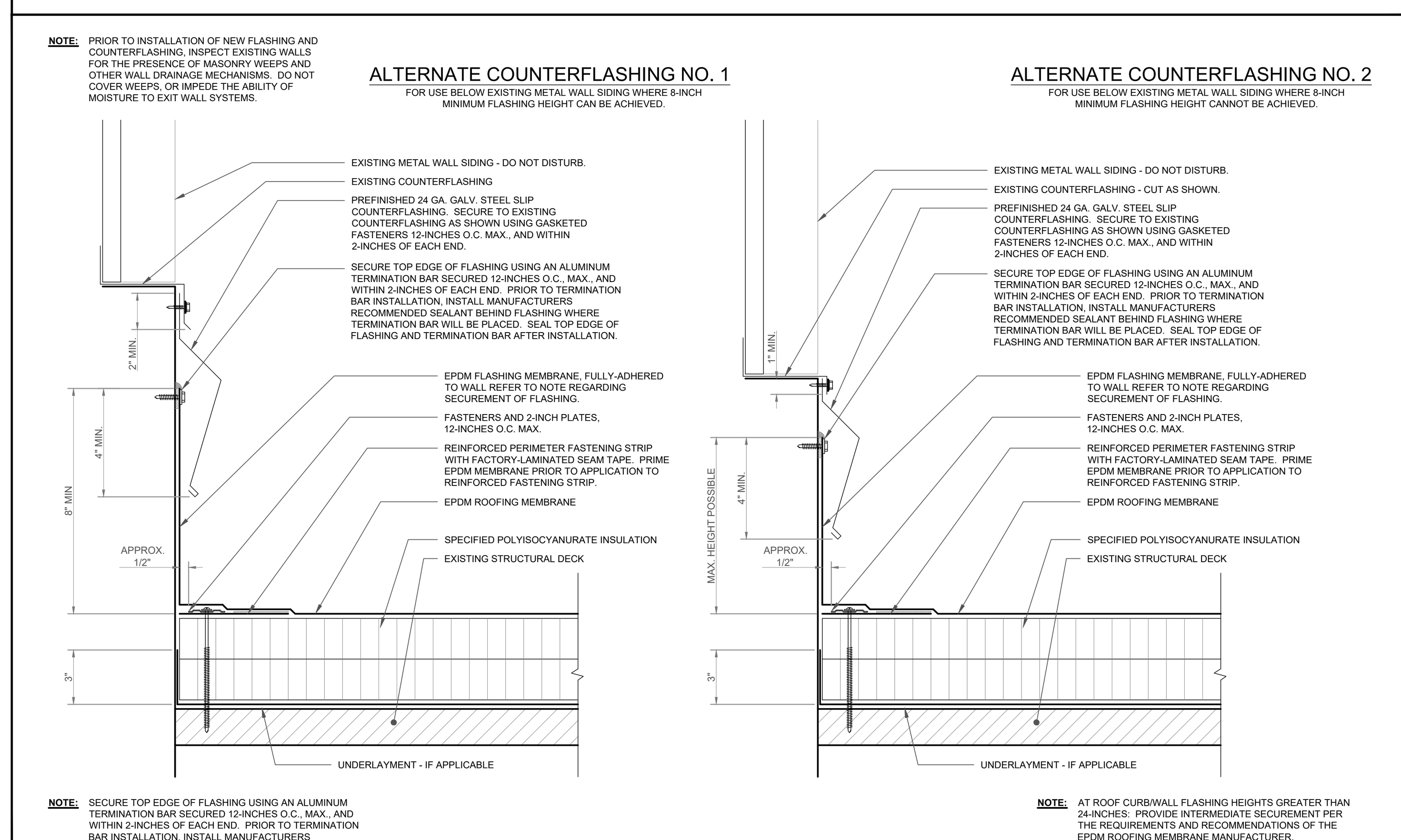
DETAIL 10 - GUTTER EDGE FLASHING



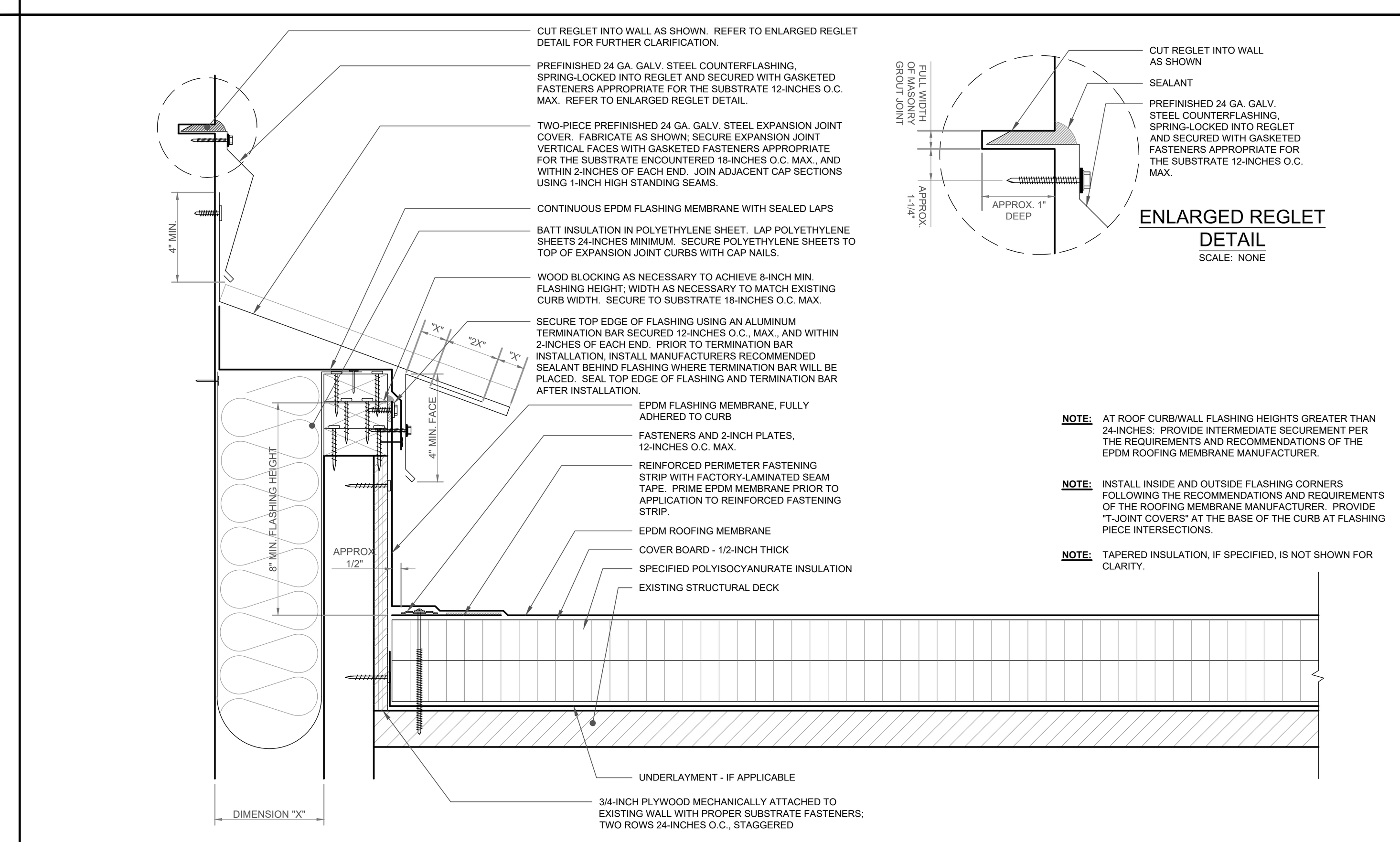
DETAIL 11 - PARAPET WALL FLASHING



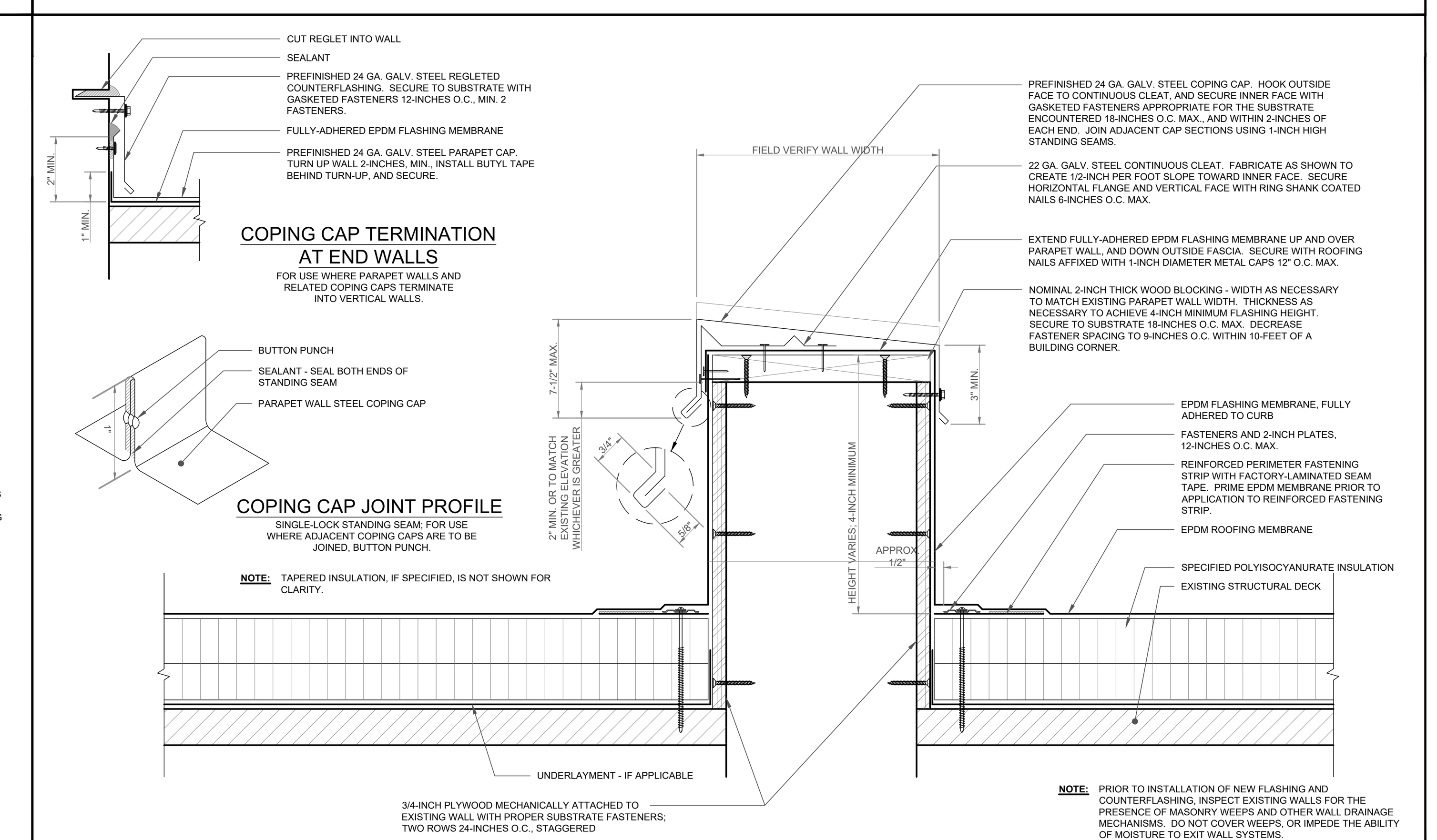
DETAIL 02 - ROOF-TO-WALL FLASHING



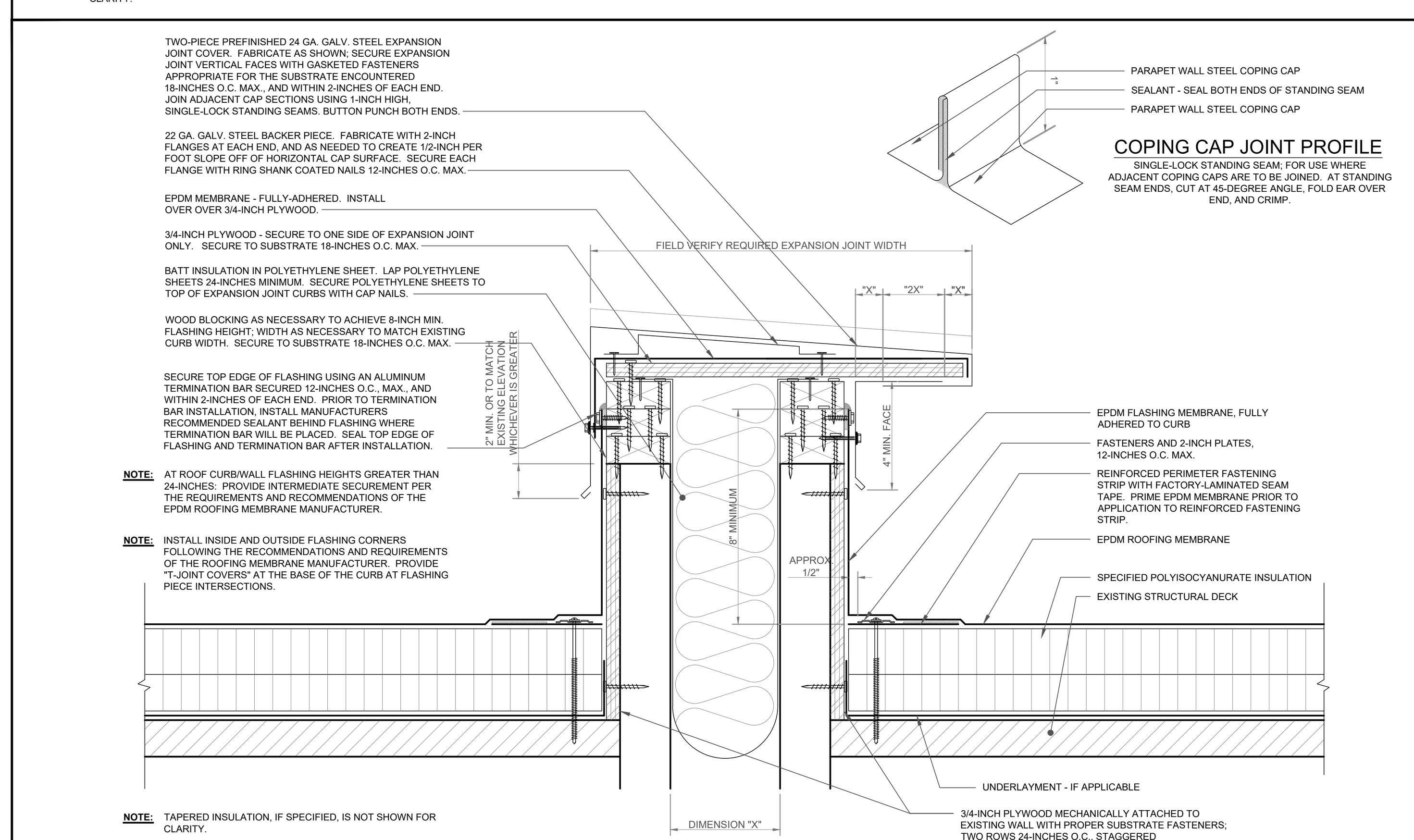
DETAIL 13 - ROOF-TO-WALL FLASHING



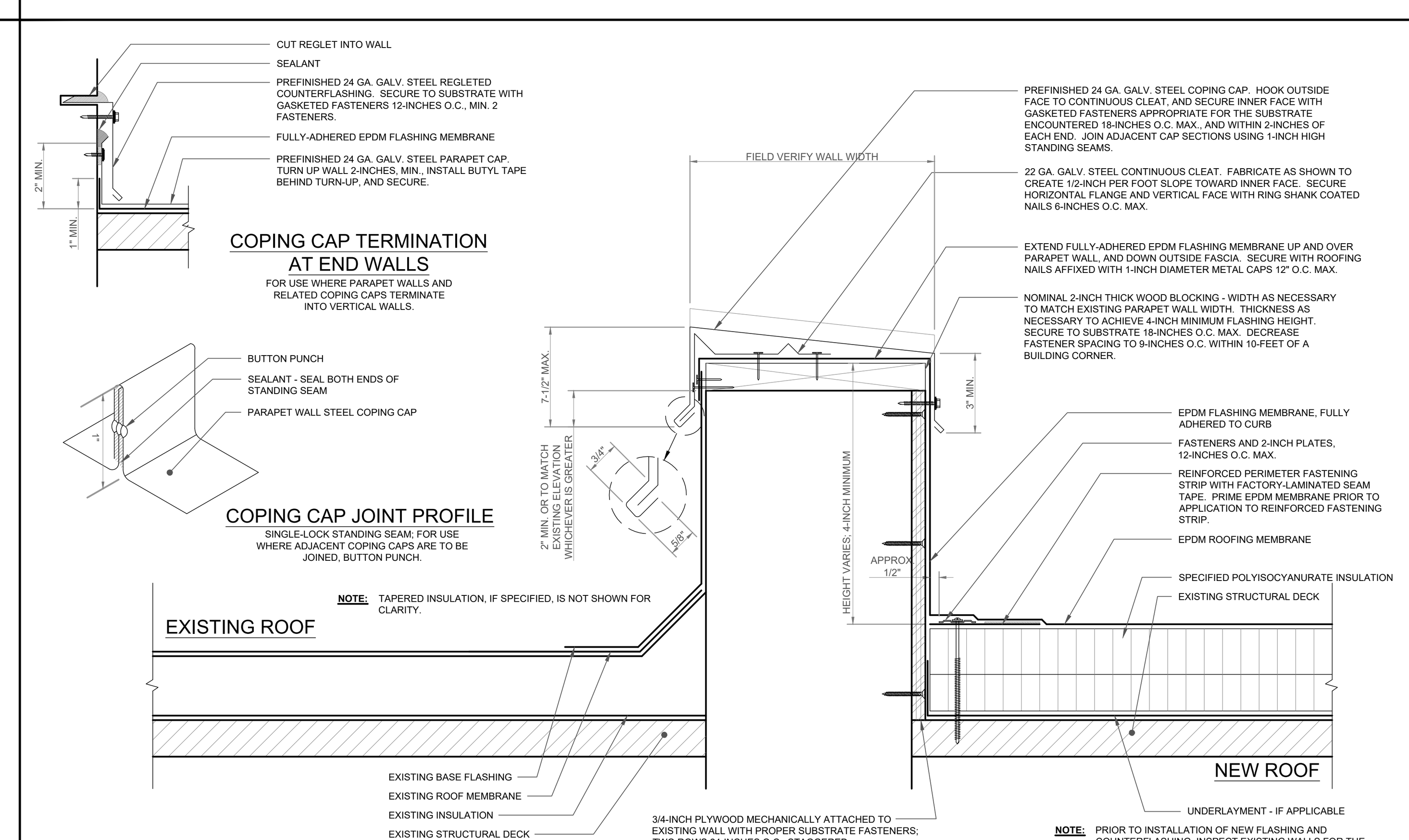
DETAIL 14 - ROOF-TO-WALL EXPANSION JOINT FLASHING



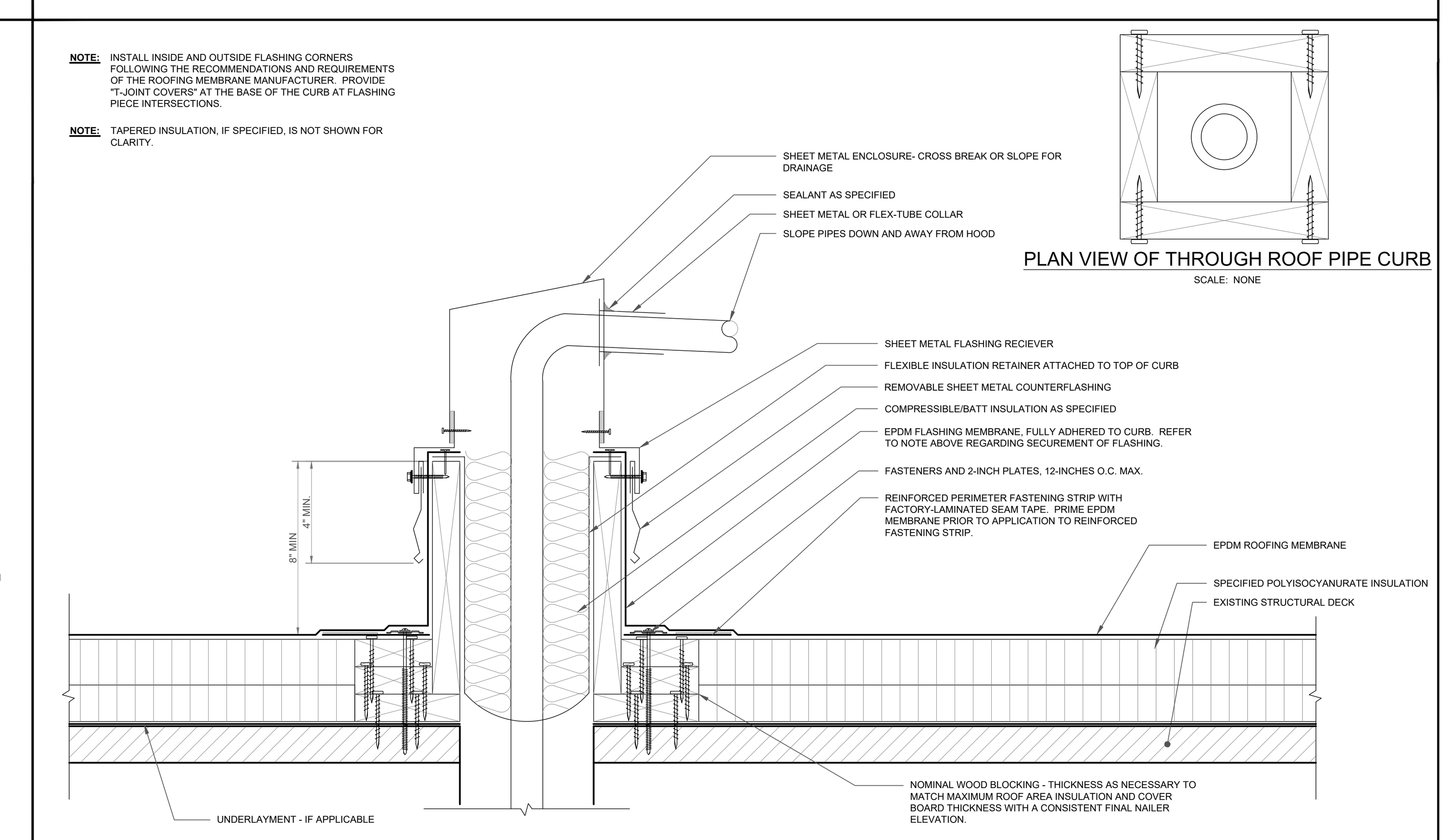
DETAIL 15 - AREA DIVIDER FLASHING



DETAIL 16 - ROOF-TO-ROOF EXPANSION JOINT FLASHING



DETAIL 17 - AREA DIVIDER FLASHING



DETAIL 18 - MULTIPLE PENETRATION CHASE

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Roofing/Waterproofing Consultants
Corporate Office:
45147 Cass Ave.
Utica, MI 48317

Phone #: 586-731-3095
Fax #: 586-731-6863
Email: weathertech@wtcg.net
Web Site: www.wtcg.net

CLIENT

BERKLEY SCHOOLS

Addministrative Office

14501 Talbot
Oak Park, MI 48237

PROJECT

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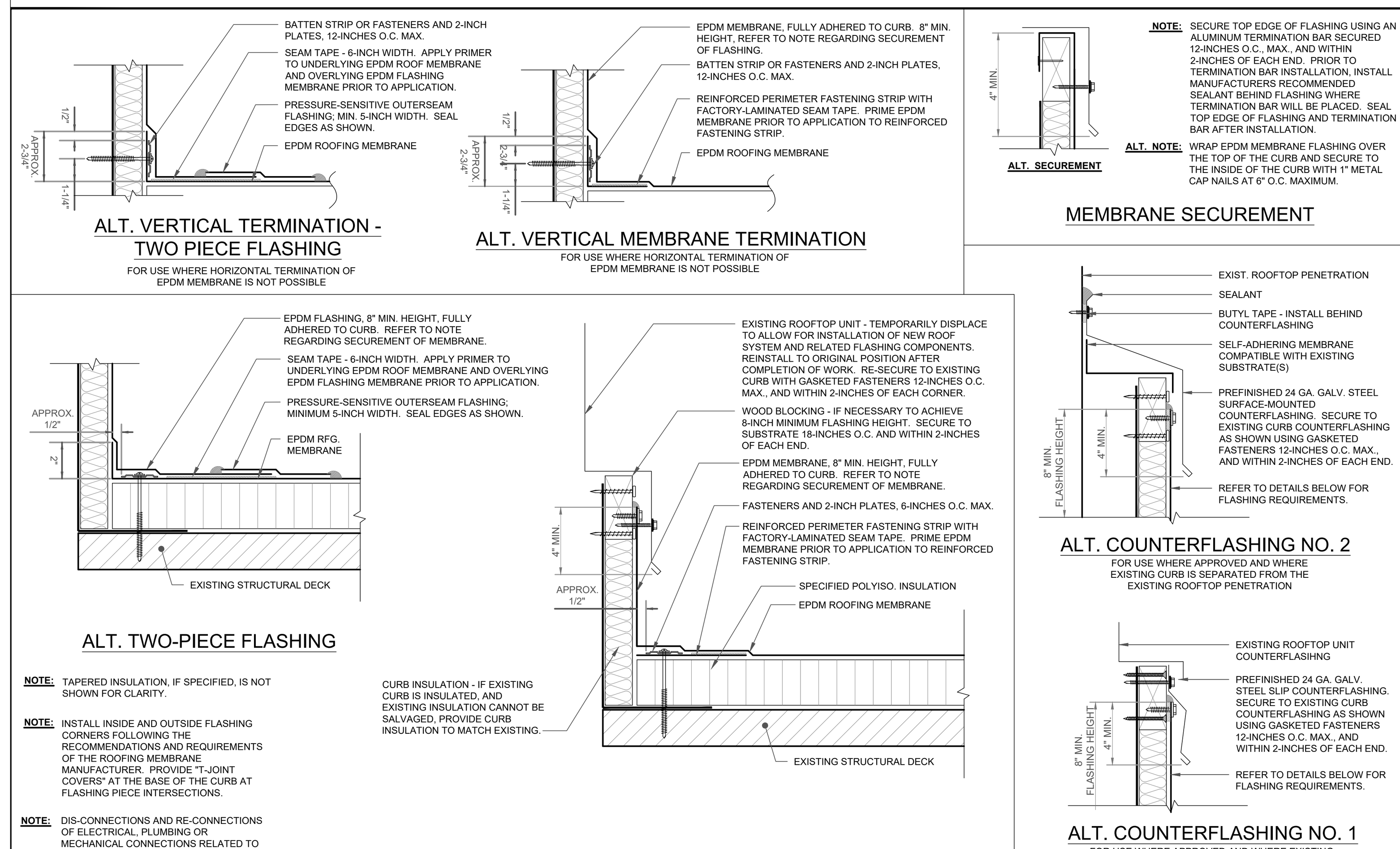
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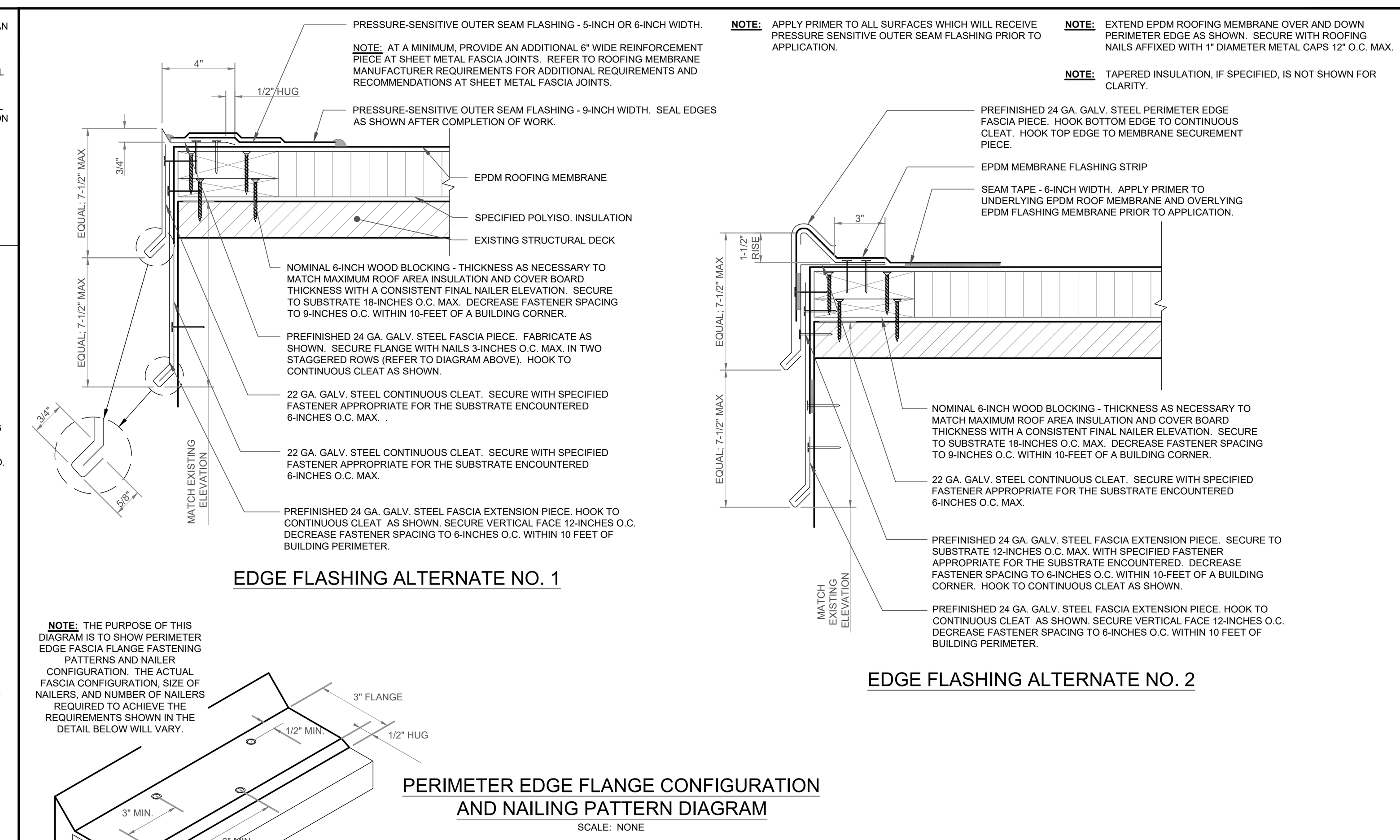
SHEET TITLE

Detail Sheet
Details 10-18

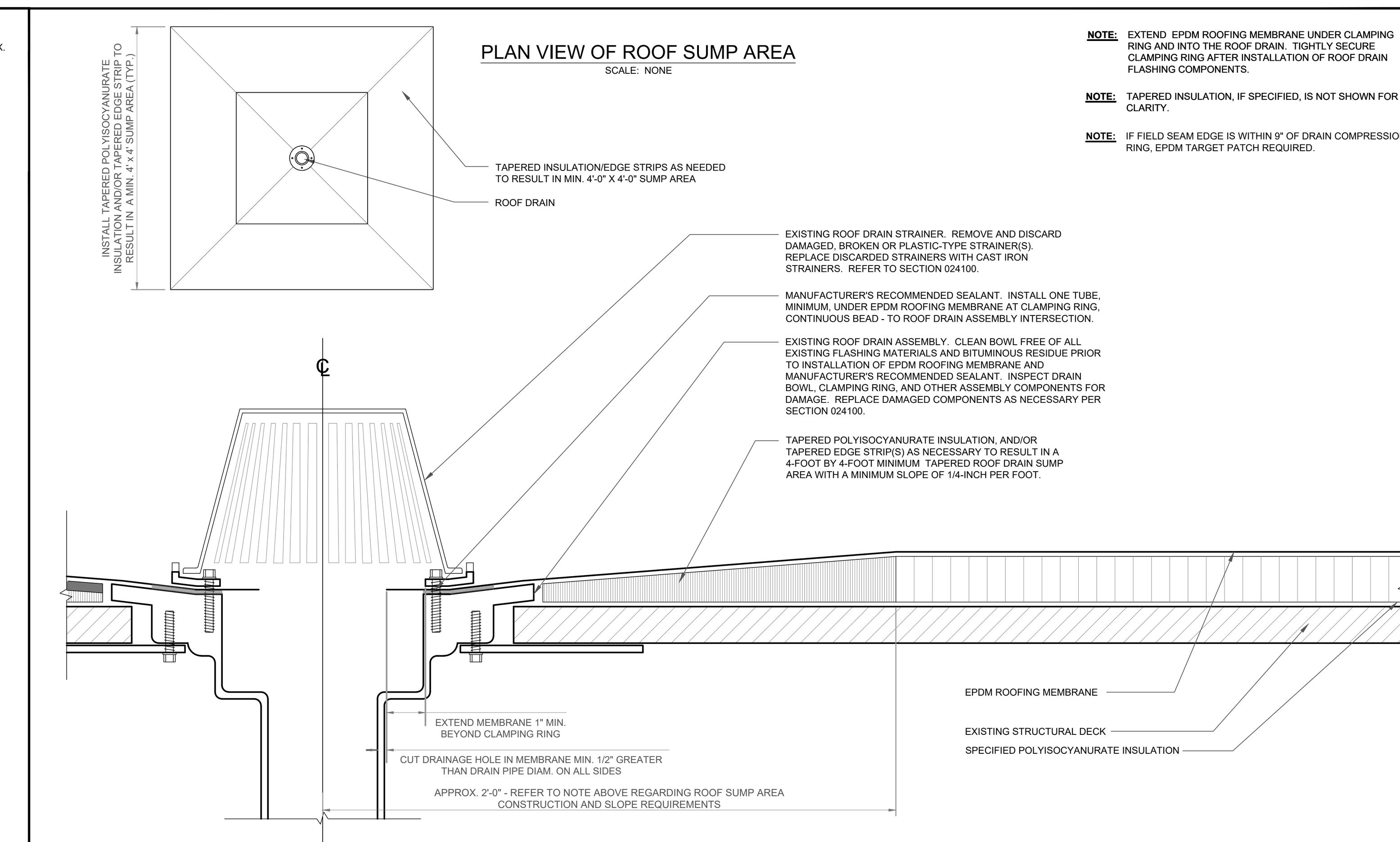
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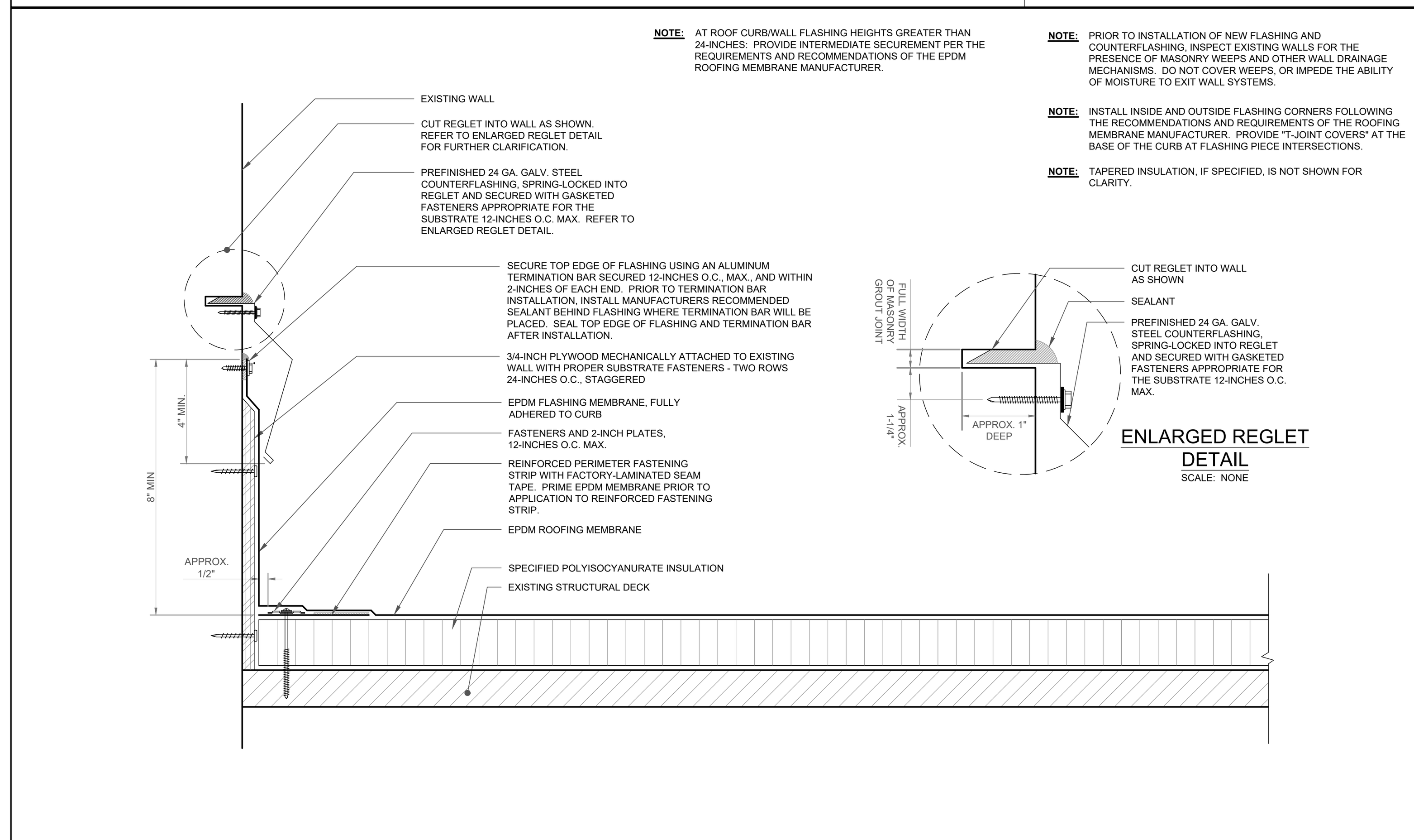
DETAIL 19 - ROOF CURB FLASHING



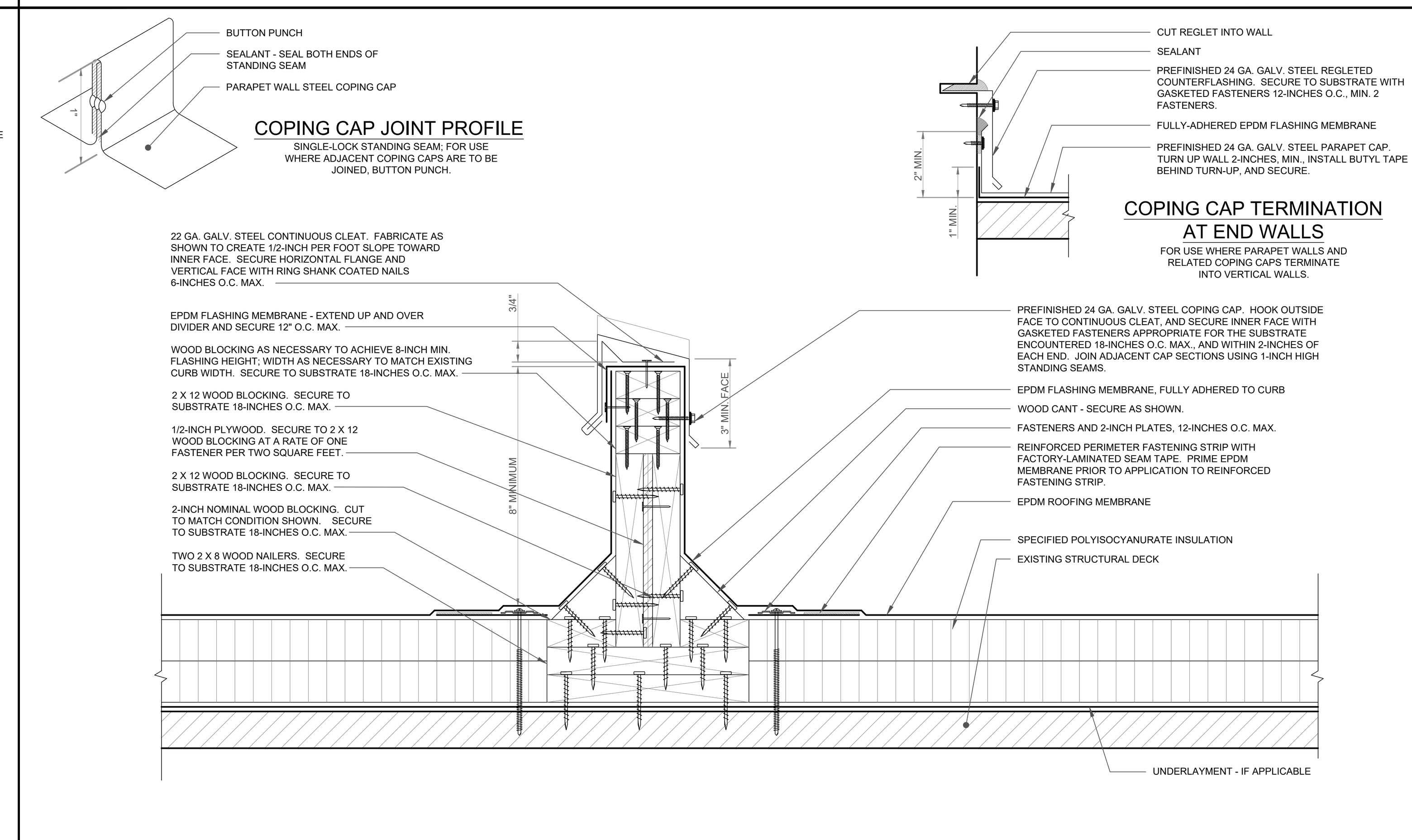
DETAIL 20 - PERIMETER EDGE FLASHING



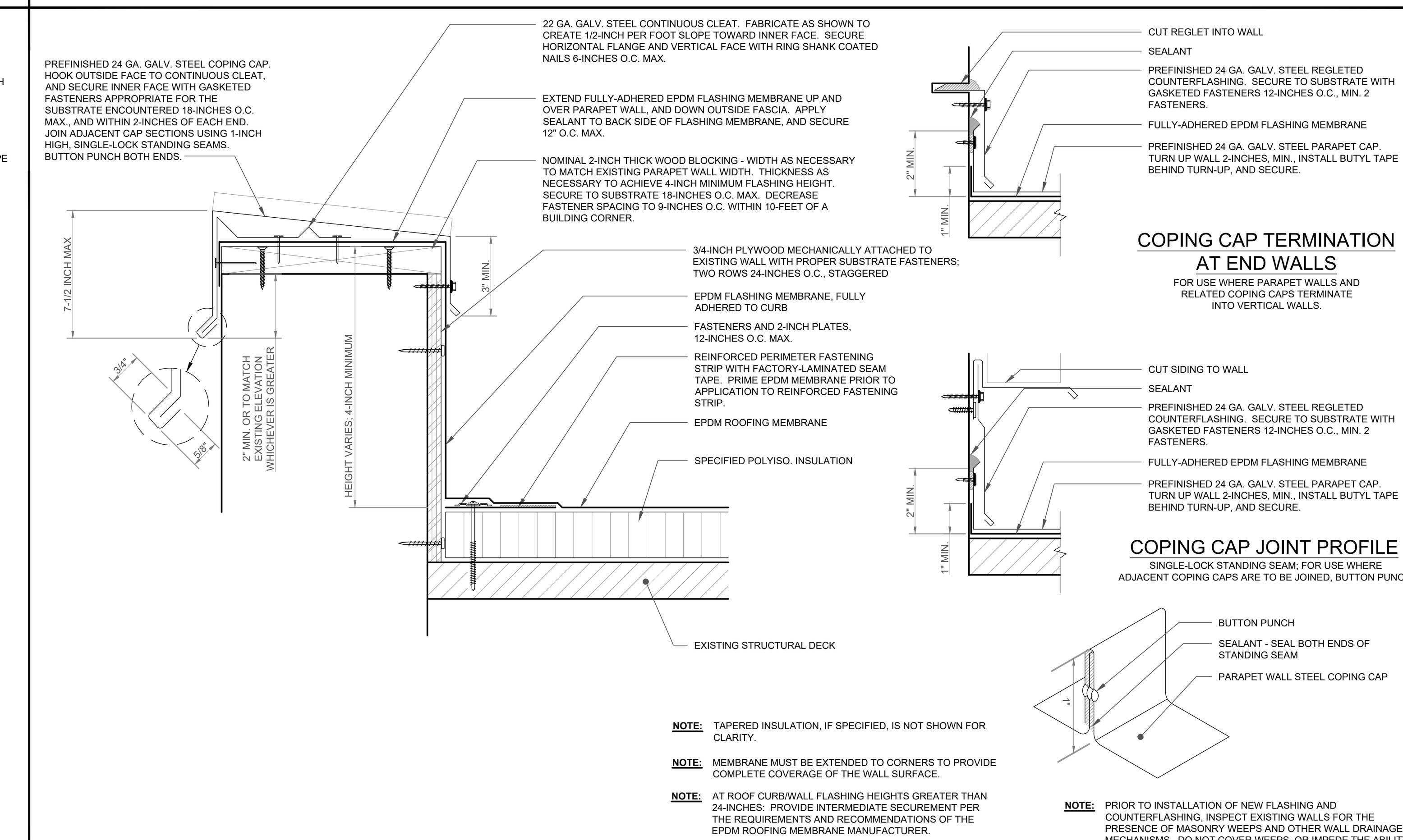
DETAIL 21 - ROOF DRAIN FLASHING



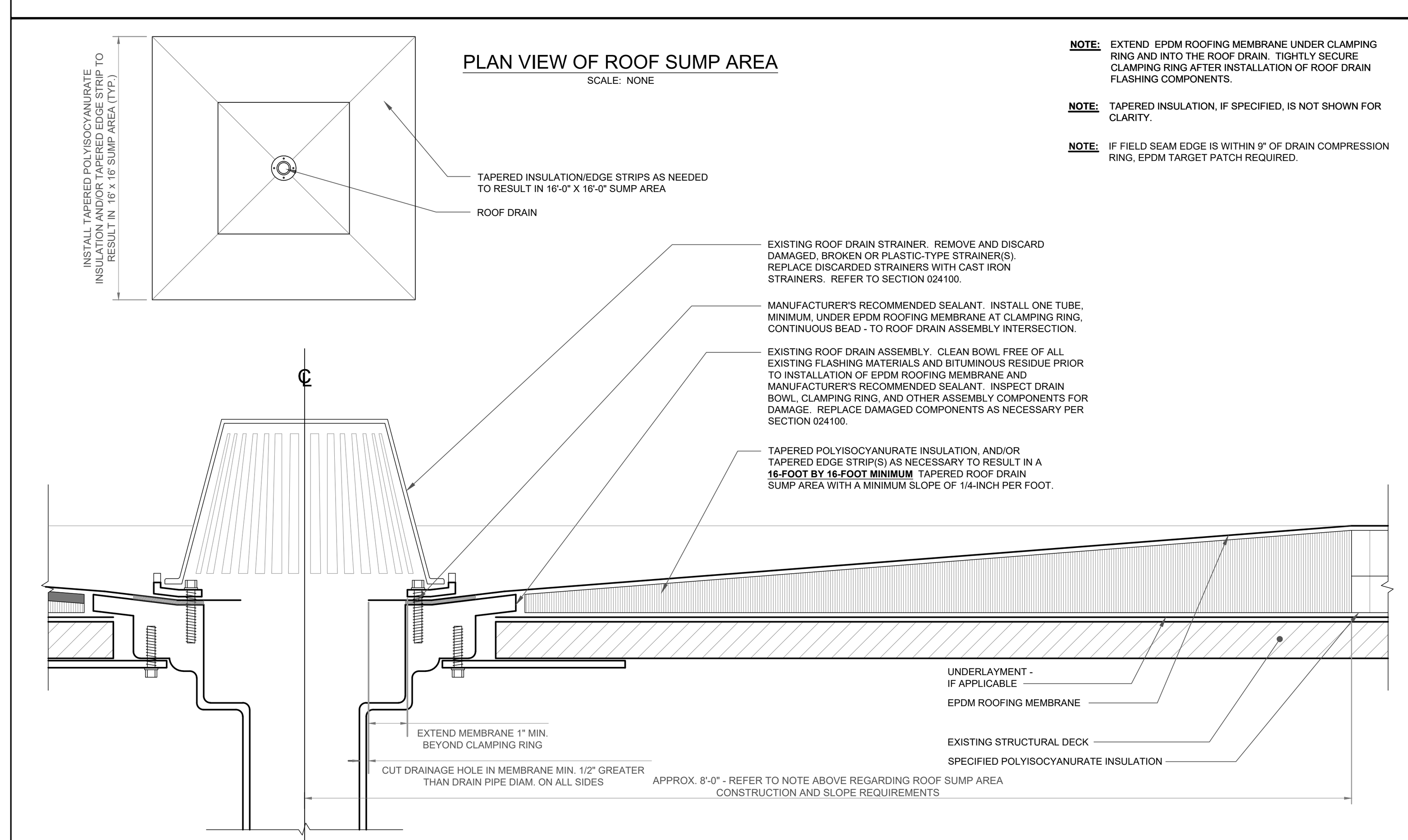
DETAIL 22 - ROOF-TO-WALL FLASHING



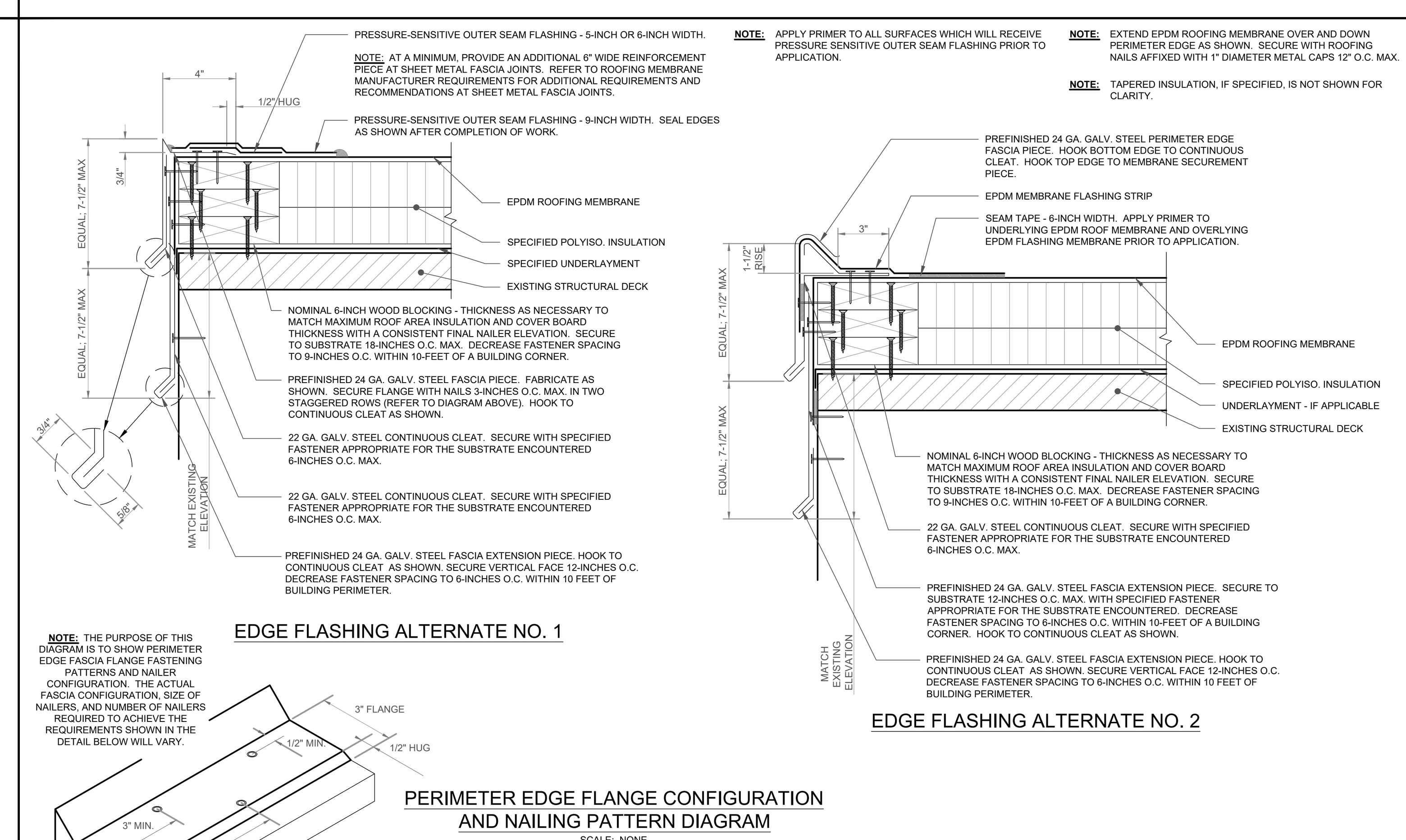
DETAIL 23 - AREA DIVIDER FLASHING



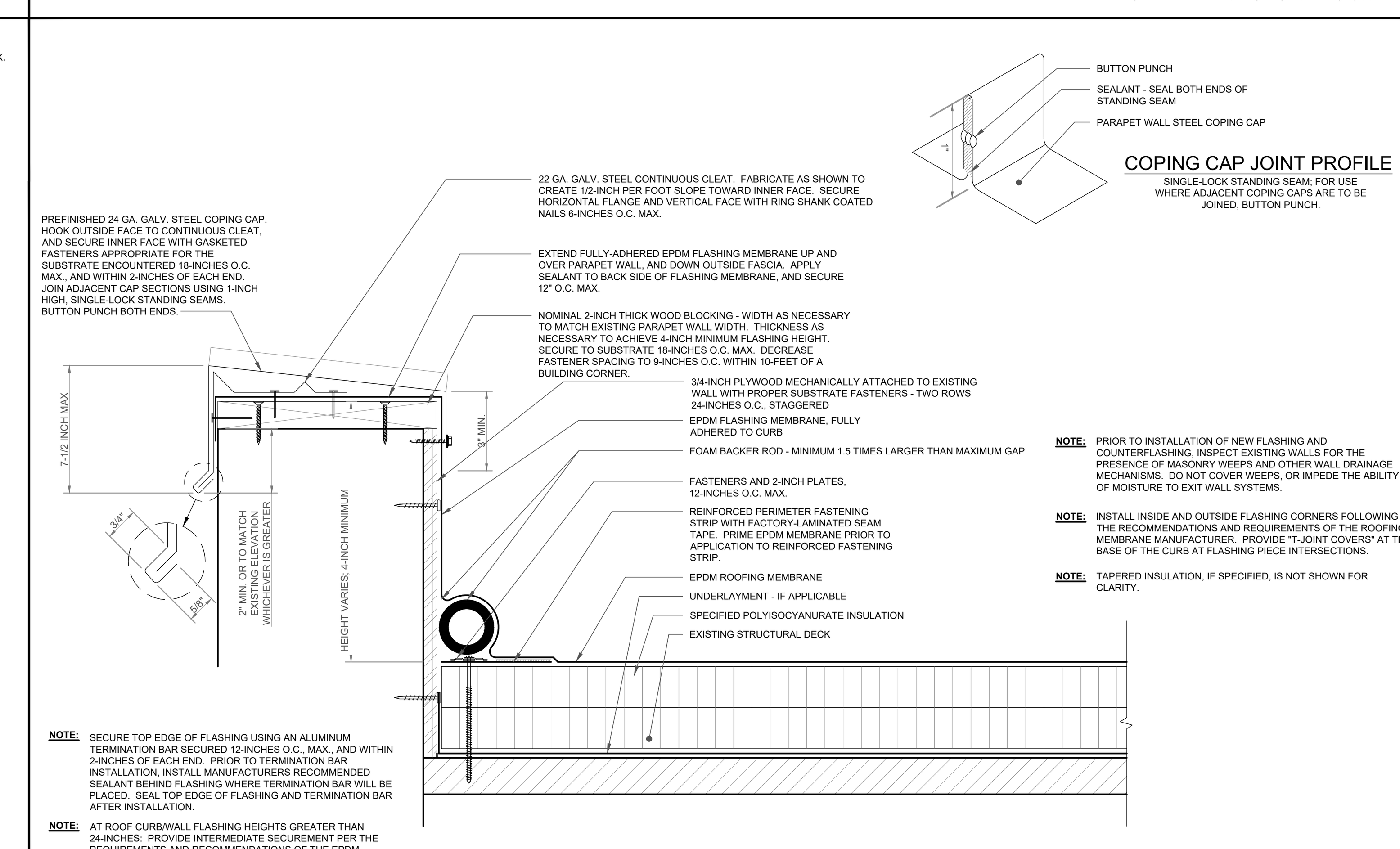
DETAIL 24 - PARAPET WALL FLASHING



DETAIL 25 - ROOF DRAIN FLASHING (16'x16' SUMP)



DETAIL 26 - PERIMETER EDGE FLASHING



DETAIL 27 - ROOF-TO-WALL EXPANSION FLASHING

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WeatherTech
Consulting Group, Inc.
Roofing/Waterproofing Consultants
Corporate Office:
45147 Cass Ave.
Utica, MI 48317

Phone #: 586-731-3095
Fax #: 586-731-6863
Email: weathertech@wtcg.net
Web Site: www.wtcg.net

CLIENT

BERKLEY SCHOOLS

Addministrative Office

14501 Talbot
Oak Park, MI 48237

PROJECT

BERKLEY BEARS

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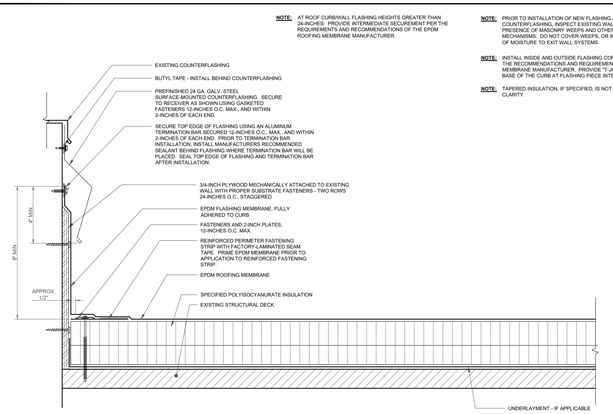
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Detail Sheet
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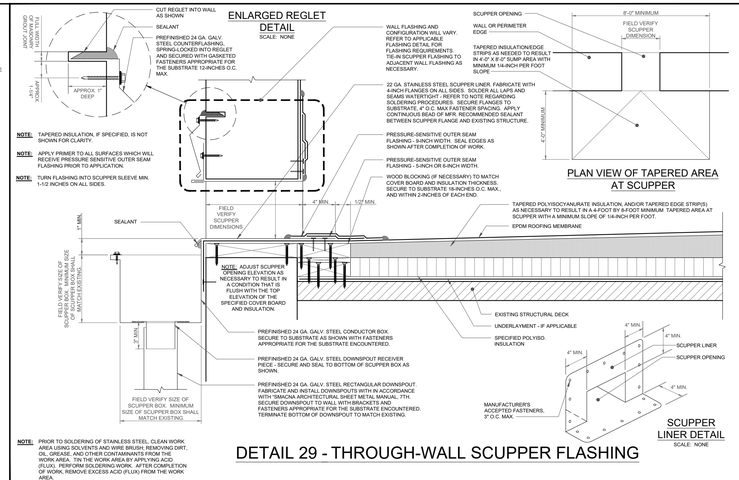
NOTE: AT ROOF CURB/WALL FLASHING HEIGHTS GREATER THAN 24-INCHES: PROVIDE INTERMEDIATE SECUREMENT PER THE REQUIREMENTS AND RECOMMENDATIONS OF THE EPDM ROOFING MEMBRANE MANUFACTURER.

NOTE: PRIOR TO INSTALLATION OF NEW FLASHING AND COUNTERFLASHING, INSPECT EXISTING WALLS FOR THE PRESENCE OF MASONRY WEEPS AND OTHER WALL DRAINAGE MECHANISMS. DO NOT COVER WEEPS, OR IMPEDE THE ABILITY OF MOISTURE TO EXIT WALL SYSTEMS.

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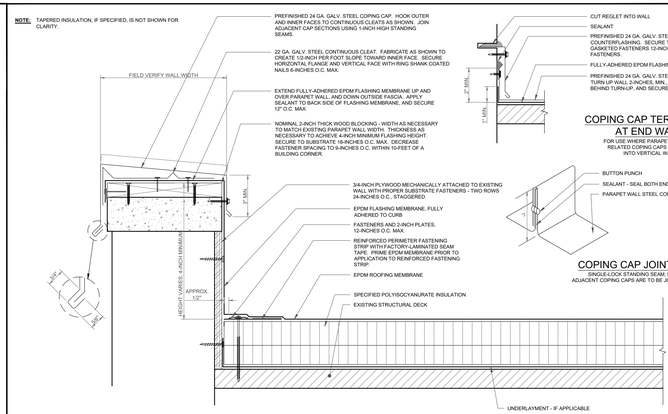
NOTE: TAPERED INSULATION, IF SPECIFIED, IS NOT SHOWN FOR CLARITY.

DETAIL 28 - ROOF-TO-WALL FLASHING



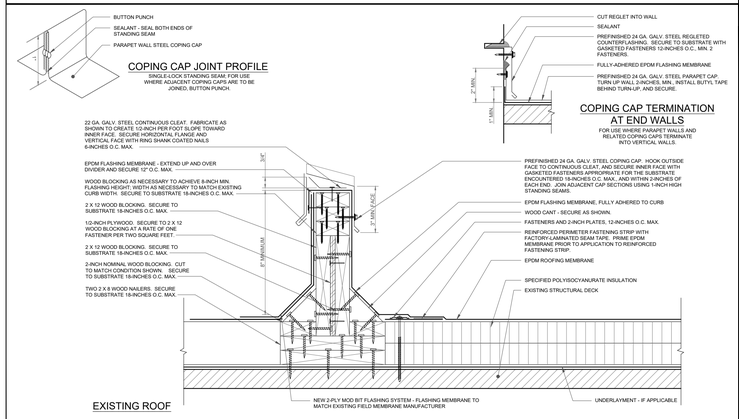
NOTE: PRIOR TO SOLDERING OF STAINLESS STEEL, CLEAN WORK AREA USING SOLVENTS AND WIRE BRUSH. REMOVING DIRT, OIL, GREASE, AND OTHER CONTAMINANTS FROM THE WORK AREA. TIN THE WORK AREA BY APPLYING ACID FLUX BEFORE PERFORMING SOLDERING WORK. AFTER COMPLETION OF WORK, REMOVE EXCESS ACID (FLUX) FROM THE WORK AREA.

DETAIL 29 - THROUGH-WALL SCUPPER FLASHING



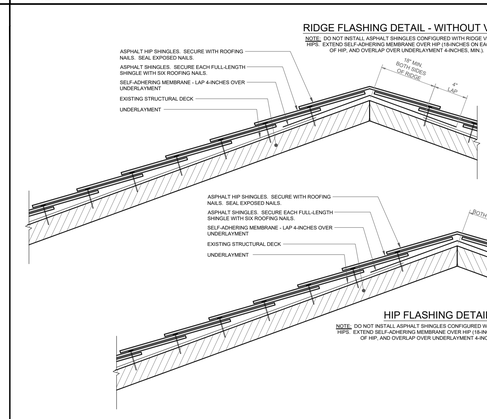
NOTE: INSTALL INSIDE AND OUTSIDE FLASHING CORNERS FOLLOWING THE RECOMMENDATIONS AND REQUIREMENTS OF THE ROOFING MEMBRANE MANUFACTURER. PROVIDE "T-JOINT COVERS" AT THE BASE OF THE CURB AT FLASHING PIECE INTERSECTIONS.

DETAIL 30 - PARAPET WALL FLASHING

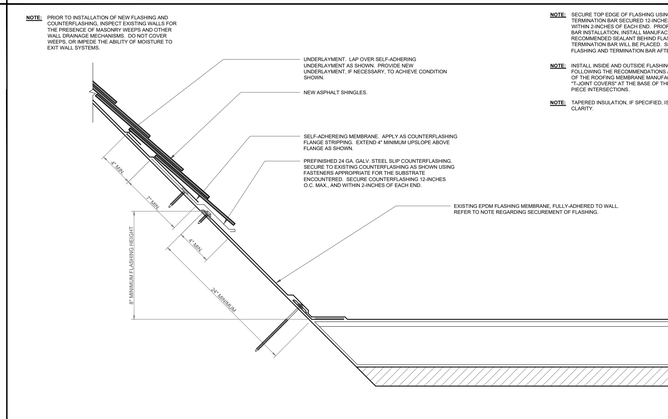


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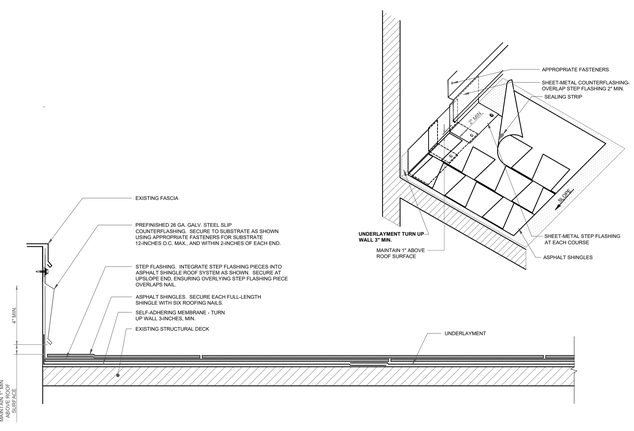
DETAIL 31 - AREA DIVIDER FLASHING



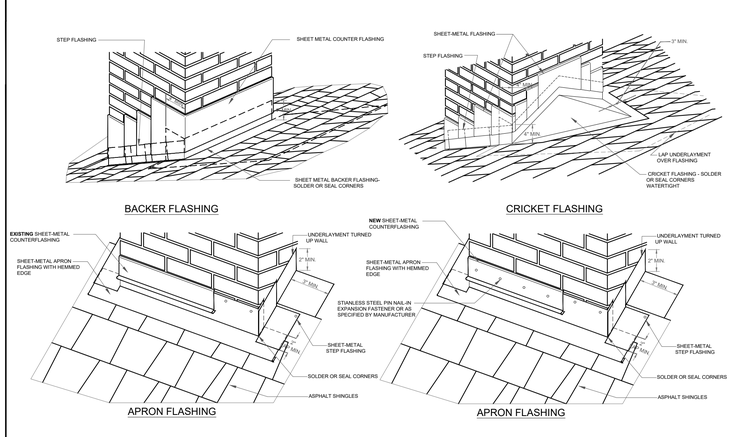
DETAIL 32 - RIDGE/HIP FLASHING



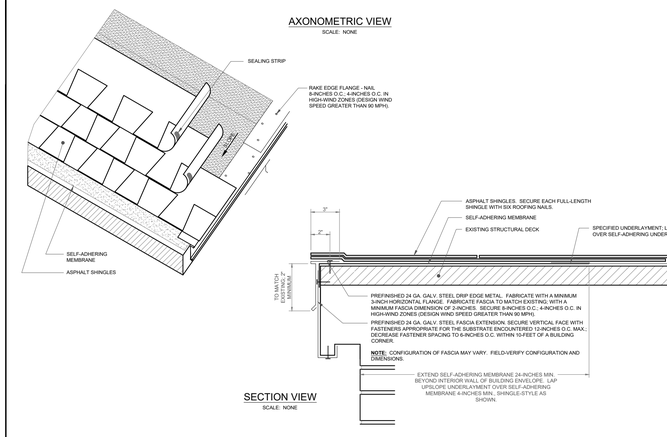
DETAIL 33 - AREA TRANSITION FLASHING



DETAIL 34 - ROOF-TO-WALL FLASHING



DETAIL 35 - CHIMNEY FLASHING



DETAIL 36 - RAKE EDGE FLASHING

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Roofing/Waterproofing Consultants
Corporate Office:
45147 Cass Ave.
Utica, MI 48317

Phone #: 586-731-3095
Fax #: 586-731-6863
Email: weathertech@wtcg.net
Web Site: www.wtcg.net

CLIENT

BERKLEY SCHOOLS

Addminstrative Office

14501 Talbot
Oak Park, MI 48237

PROJECT

BERKLEY BEARS

PATTENGILL ELEMENTARY

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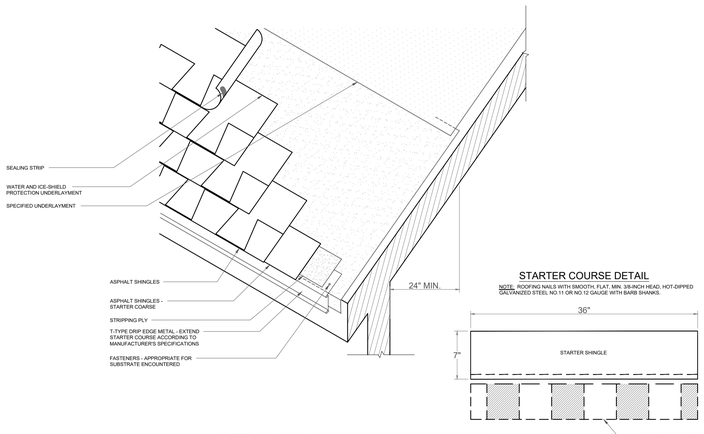
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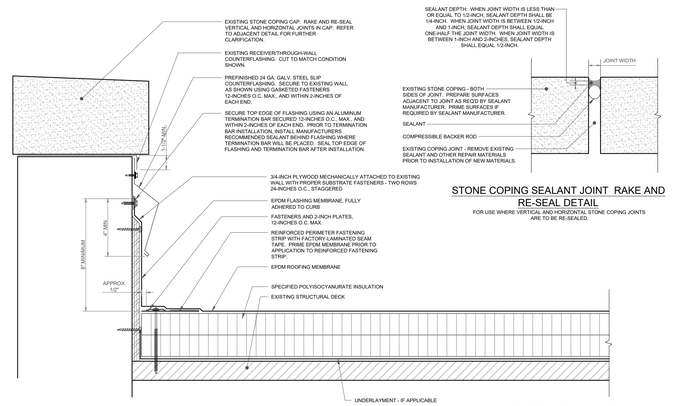
Detail Sheet
Details 28-36

A3.3

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DETAIL 37 - EVE EDGE FLASHING



STONE COPING SEALANT JOINT RAKE AND RE-SEAL DETAIL

FOR USE WHERE VERTICAL AND HORIZONTAL STONE COPING JOINTS ARE TO BE RE-SEALED.

NOTE: AT ROOF CURB/WALL FLASHING HEIGHTS GREATER THAN 24-INCHES PROVIDE INTERMEDIATE SECUREMENT PER THE REQUIREMENTS AND RECOMMENDATIONS OF THE EPDM ROOFING MEMBRANE MANUFACTURER.

DETAIL 38 - PARAPET WALL FLASHING

NOTE: PRIOR TO INSTALLATION OF NEW FLASHING AND COUNTERFLASHING, INSPECT EXISTING WALLS FOR THE PRESENCE OF MASONRY WEEPS AND OTHER WALL DRAINAGE MECHANISMS. DO NOT COVER WEEPS, OR IMPEDE THE ABILITY OF MOISTURE TO EXIT WALL SYSTEMS.

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Roofing/Waterproofing Consultants
Corporate Office:
45147 Cass Ave.
Utica, MI 48317

Phone #: 586-731-3095
Fax #: 586-731-6863
Email: weathertech@wtcg.net
Web Site: www.wtcg.net

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BERKLEY SCHOOLS

Addminstrative Office

14501 Talbot
Oak Park, MI 48237

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PHILIP DEGLOW
ARCHITECTURE

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Detail Sheet
Details 37-38

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SHEET 11 OF 14



PHOTO 1: C1 OVERVIEW



PHOTO 02: ROOF AREA G OVERVIEW

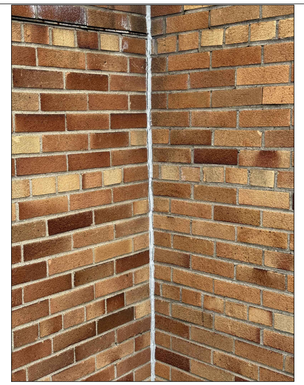


PHOTO 03:ROOF AREA E EAST GYM SEALANT REPAIR



PHOTO 04: ROOF AREA E EAST GYM OVERVIEW



PHOTO 05: ROOF AREA J OVERVIEW



PHOTO 06: ROOF AREA J HATCH REPLACEMENT



PHOTO 07: ROOF AREA L OVERVIEW



PHOTO 08: ROOF AREA L R-T-W EXP. JOINT

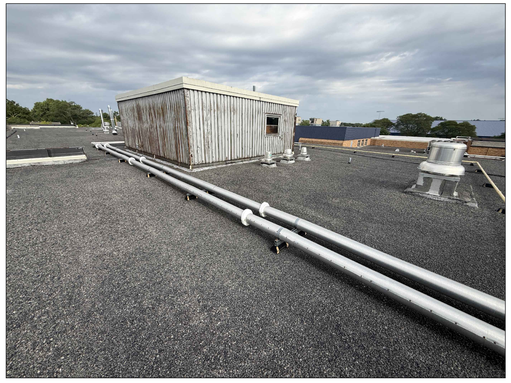


PHOTO 09: ROOF AREA M OVERVIEW



PHOTO 10: CAPPED CURB (TYPICAL)



PHOTO 11: ROOF AREA M1 OVERVIEW



PHOTO 12: ROOF AREA N OVERVIEW

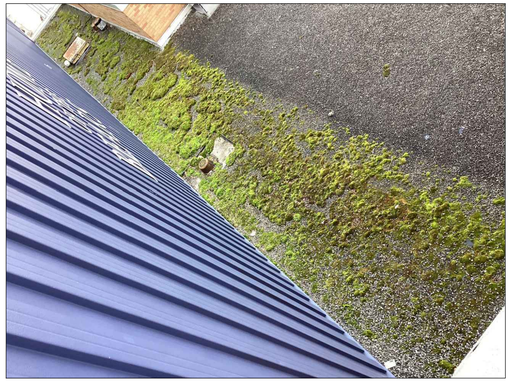


PHOTO 13: ROOF AREA B OVERVIEW

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Corporate Office:
45147 Cass Ave.
Utica, MI 48317

Phone #: 586-731-3095
Fax #: 586-731-6863
Email: weathertech@wtcg.net
Web Site: www.wtcg.net

CLIENT

BERKLEY SCHOOLS

Addminstrative Office

14501 Talbot
Oak Park, MI 48237

PROJECT

BERKLEY BEARS

Berkley High School

2325 Catalpa Dr.
Berkley, MI 48072

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Berkley High School Photos

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PHOTO 1: ROOF AREA D OVERVIEW



PHOTO 02: ROOF AREA D R-T-W EXP. JOINT



PHOTO 03: ROOF AREA D OVERVIEW



PHOTO 04: ROOF AREA N OVERVIEW



PHOTO 05: ROOF AREA N OVERVIEW

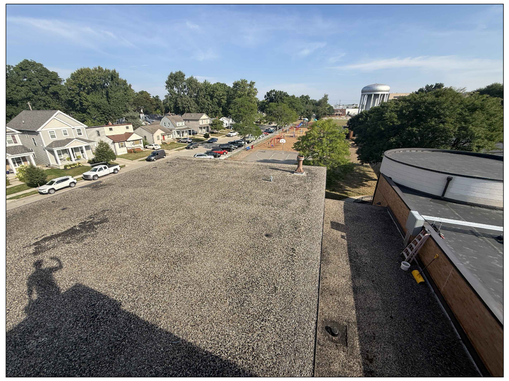


PHOTO 06: ROOF AREA M



PHOTO 07: ROOF AREA O OVERVIEW

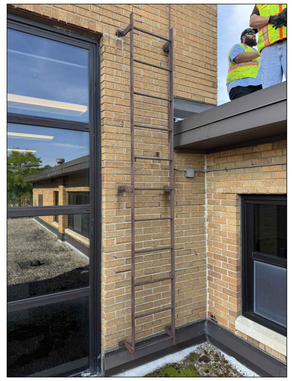


PHOTO 08: ROOF AREA L LADDER REPLACEMENT



PHOTO 09: ROOF AREA L OVERVIEW

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Roofing/Waterproofing Consultants
Corporate Office:
45147 Cass Ave.
Utica, MI 48317

Phone #: 586-731-3095
Fax #: 586-731-6863
Email: weathertech@wtcg.net
Web Site: www.wtcg.net

CLIENT

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Addminstrative Office

14501 Talbot
Oak Park, MI 48237

PROJECT

Berkley High School

2325 Catalpa Dr.
Berkley, MI 48072

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PHOTO 1: ROOF AREA B OVERVIEW



PHOTO 02: ROOF AREA B OVERVIEW



PHOTO 03: ROOF AREA B STONE COPING JOINT



PHOTO 4: ROOF AREA H - NEW DIVIDER CURB



PHOTO 05: ROOF AREA H OVERVIEW



PHOTO 06: ROOF AREA J OVERVIEW



PHOTO 07: ROOF AREA J OVERVIEW



PHOTO 08: ROOF AREA K OVERVIEW



PHOTO 09: ROOF AREA K OVERVIEW

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Consulting Group, Inc.
Roofing/Waterproofing Consultants
Corporate Office:
45147 Cass Ave.
Utica, MI 48317

Phone #: 586-731-3095
Fax #: 586-731-6863
Email: weathertech@wtcg.net
Web Site: www.wtcg.net

CLIENT

BERKLEY SCHOOLS

Addminstrative Office

14501 Talbot
Oak Park, MI 48237

PROJECT

Angell Elementary School

3849 Beverly Blvd
Berkley, MI 48072

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