

IMHI INFIRMARY BUILDING ROOF REPLACEMENT
IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES (DAS)
2277 IOWA AVE, INDEPENDENCE, IA 50644

PROJECT NUMBER: 9519.00
DATE: 07-31-2026
DRAWING INDEX:

GENERAL	
G0.0	COVER
ARCHITECTURE	
A0.0	DEMOLITION ROOF PLAN
A1.0	ROOF PLAN
A2.0	EXTERIOR ELEVATION
A3.0	ROOF DETAILS

ARCHITECT

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly registered architect under the laws of the State of Iowa.

BRUCE BONESTROO Reg. #06771

Signature 06/30/2025 07-31-2026
Registration Expires Date issued
Pages or Sheets covered by this seal
As listed above

BRUCE BONESTROO
06771
IOWA



INDEPENDENCE, IA



PROXIMITY MAP



- NOTES:
- THE INTERIOR OF THE BUILDING WILL NOT BE ACCESSIBLE FOR THE DURATION OF THE PROJECT.
 - SITE STAGING TO BE COORDINATED WITH THE OWNER.
 - COORDINATE ACCESS TO THE GATED AREA WITH THE OWNER.

SYMBOLS LEGEND

	BUILDING SECTION DETAIL NUMBER DRAWING SHEET NUMBER
	WALL SECTION DETAIL NUMBER DRAWING SHEET NUMBER
	DETAIL SECTION/ DETAIL CALLOUT DETAIL NUMBER DRAWING SHEET NUMBER
	ELEVATION REFERENCE ELEVATION NUMBER DRAWING SHEET NUMBER
	CASEWORK IDENTIFICATION MODEL NUMBER (M' DENOTES MODIFICATION) WIDTH DEPTH HEIGHT (INCLUDES COUNTERTOP) EXTRA SHELF MODIFICATION DESCRIPTION
	CEILING IDENTIFICATION
	DOOR IDENTIFICATION
	LEVEL IDENTIFICATION LEVEL ELEVATION
	SPOT ELEVATION
	ROOM IDENTIFICATION ROOM NAME ROOM NUMBER
	WALL IDENTIFICATION
	WINDOW IDENTIFICATION
	NOTE REFERENCE
	STRUCTURAL GRIDLINE
	FLOORING FINISH TRANSITION
	CORNER GUARDS, TYP.

ABBREVIATIONS

ACT	Acoustical Ceiling Tile
AFF	After Finish Floor
ALUM	Aluminum
ADA & L	Americans with Disabilities Act and Angle
@	At
BCS	Baby Changing Station
BOL	Bollard
CIP	Cast In Place
CBB	Cement Backer Board
CL	Center Line
CLR	Clear
CONC	Concrete
CONF	Conference
CJ	Construction Joint
CONT	Continuous
CLJ	Control Joint
CG	Corner Guard
DIA	Diameter
DS	Downspout
EA	Each
EHD	Electric Hand Dryer
EWC	Electric Water Cooler
EL	Elevation
ELEV	Elevation
ENG	Engineered
EQ	Equal
ETC	Etcetera
EPDM	Ethylene Propylene DieneTerpolymer
EXP	Expansion
EJ	Expansion Joint
EXT	Exterior
EIFS	Exterior Insulation Finish System
FRP	Fiberglass Reinforced Panel
FF	Finish Floor
FE	Fire Extinguisher
FEC	Fire Extinguisher Cabinet
FD	Floor Drain
FT	Foot or Feet
GA	Gage
GT	Glazing Type
GB	Grab Bar
GYP	Gypsum
GYP BD	Gypsum Board
HM	Hollow Metal
HSS	Hollow Structural Sections
IR	Impact Resistant
IT	Information Technology
IMP	Insulated Metal Panel
INSUL	Insulation
INT	Interior
JT	Joint
MFR	Manufacturer
MAX	Maximum
MECH	Mechanical
MEPT	Mechanical Electrical/ Plumbing Technology
MTL	Metal
MIN	Minimum
MIR	Mirror
NIC	Not In Contract
OC	On Center
OHS	Overhead Sectional Door
PT	Paint
PTD	Paper Towel Dispenser
PLAM	Plastic Laminate
PVC	Polyvinyl Chloride
LB	Pound
RCP	Reflected Ceiling Plan
REQD	Required
REV	Reversed
RTU	Roof Top Unit
SNR	Sanitary Napkin Receptacle
SJ	Saw Joint
SIM	Similar
SDS	Soap Dispenser
STL	Steel
STRUCT	Structure
TKSP	Tack Strip
THL	Thousands of an Inch
TP	Toilet Paper Dispenser
TOW	Top of Wall
TYP	Typical
VIF	Verify in Field
VERT	Vertical
w/	With
WD	Wood

MATERIALS LEGEND

	EARTH
	CONCRETE
	PLYWOOD
	GYPSUM WALLBOARD
	CONCRETE BLOCK
	RIGID INSULATION
	BATT INSULATION
	DIMENSION LUMBER
	WOOD
	SAND & GRAVEL
	EXPANSION JOINT

EXISTING PHOTOS

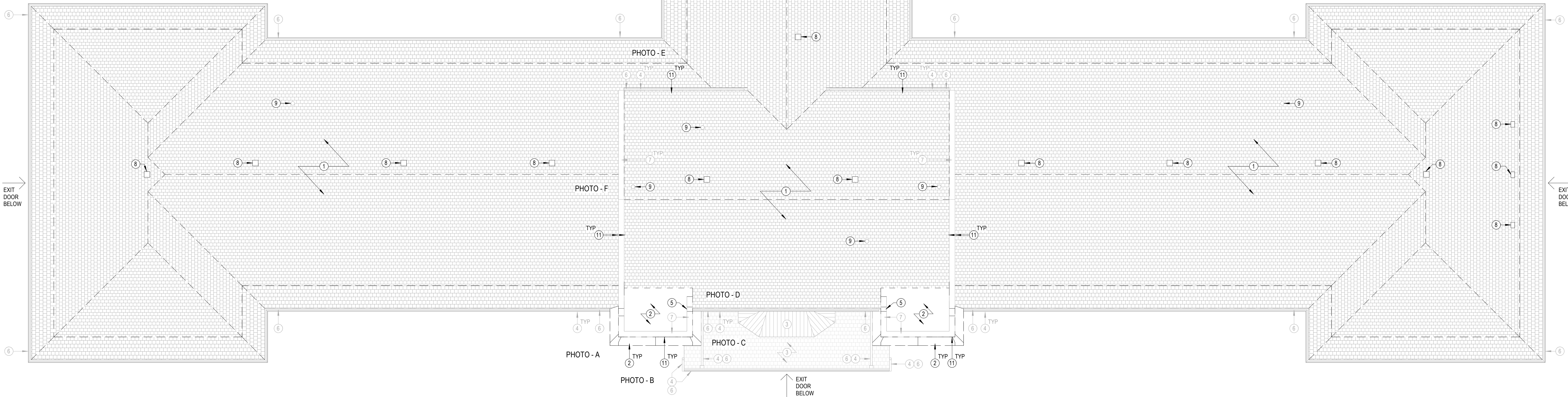
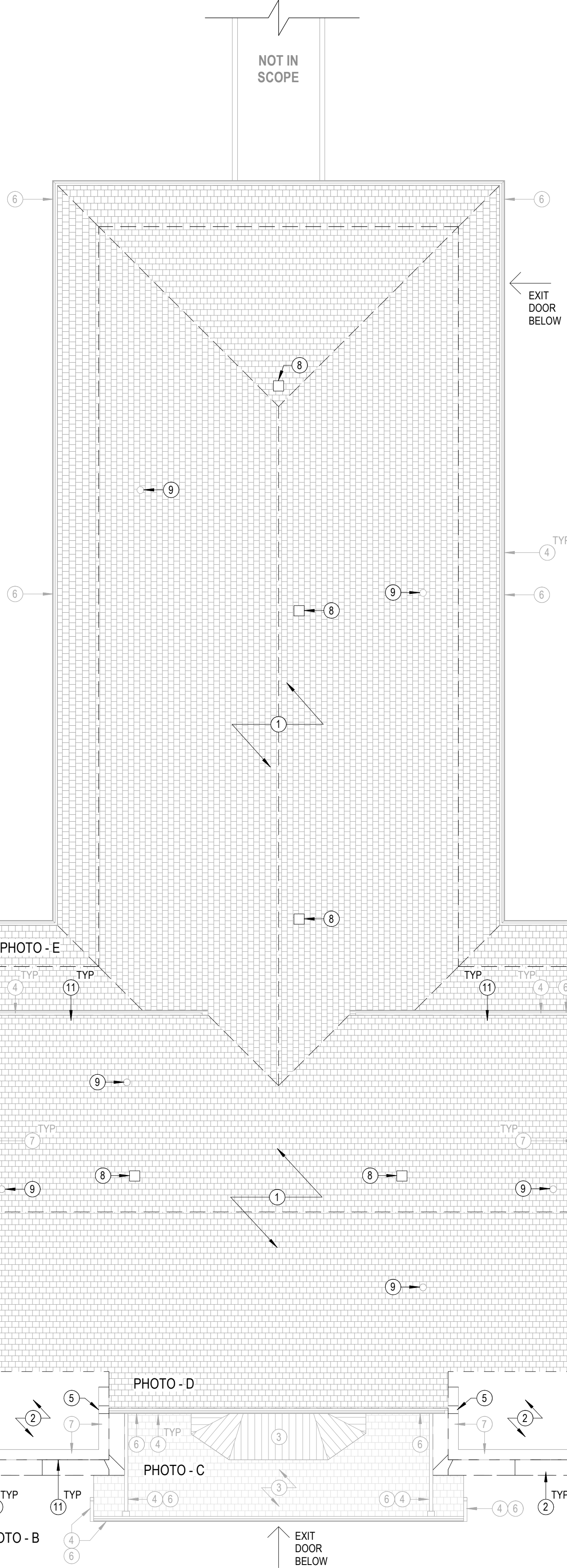


GENERAL NOTES

- A. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PRESERVING THE EXISTING CONDITIONS WHICH ARE TO REMAIN, INCLUDING, BUT NOT LIMITED TO, COPPER GUTTERS, DOWNSPOUTS, ETC. IF ANY EXISTING CONSTRUCTION TO REMAIN IS DAMAGED, CONTRACTOR IS RESPONSIBLE FOR RESTORING THE DAMAGED AREA TO A CONDITION THE SAME OR BETTER THAN BEFORE DAMAGE OCCURRED.
- B. EFFORTS HAVE BEEN MADE TO DOCUMENT EXISTING CONDITIONS. HOWEVER, GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO COMMENCING DEMOLITION. FIELD VERIFY ALL EXISTING DIMENSIONS, SITE CONDITIONS, AND BUILDING CONDITIONS.
- C. THESE DEMOLITION DRAWINGS REPRESENT THE LAYOUT OF EXISTING CONDITIONS & MAJOR COMPONENTS. THEY ARE NOT TO BE CONSTRUED AS A COMPLETE REPRESENTATION OF MATERIALS & INCIDENTAL CONSTRUCTION.
- D. THE BUILDING INTERIOR IS TO REMAIN DRY DURING THE RE-ROOFING PROJECT.

ROOF DEMOLITION NOTES

1. REMOVE ASPHALT SHINGLE ROOF DOWN TO PLYWOOD. REVIEW QUALITY OF PLYWOOD. PREP FOR NEW CONSTRUCTION.
2. REMOVE EPDM ROOF MEMBRANE AND ANY COVERBOARD AND INSULATION. REVIEW QUALITY OF ROOF DECK. PREP FOR NEW CONSTRUCTION.
3. (E) ROOF TO REMAIN. PROTECT DURING CONSTRUCTION.
4. (E) GUTTER SYSTEM TO REMAIN IN PLACE. PROTECT DURING CONSTRUCTION.
5. (E) SCUPPER CONDUCTOR HEAD AND DOWNSPOUT TO REMAIN IN PLACE. PROTECT DURING CONSTRUCTION. REMOVE (E) SCUPPER FLASHING. PREP FOR NEW CONSTRUCTION.
6. (E) DOWNSPOUT TO REMAIN IN PLACE. PROTECT DURING CONSTRUCTION.
7. (E) STONE PARAPET CAP TO REMAIN. PROTECT DURING CONSTRUCTION.
8. REMOVE AND DISPOSE OF VENT. PREP FOR NEW CONSTRUCTION.
9. (E) VENT TO REMAIN. REMOVE AND DISPOSE OF BOOT FLASHING.
10. NOT USED.
11. REMOVE AND DISPOSE OF (E) FLASHING. (E) REGLET-MOUNTED FLASHING RECEIVERS TO REMAIN WHERE PROVIDED FOR REUSE. PREP FOR NEW CONSTRUCTION.



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ROOF PLAN NOTES

- 1 ASPHALT SHINGLE ROOF OVER SYNTHETIC UNDERLAYMENT. COLOR TO MATCH EXISTING SHINGLES.
- 2 EPDM ROOF MEMBRANE.
- 3 (E) ROOF TO REMAIN. PROTECT DURING CONSTRUCTION.
- 4 (E) GUTTER SYSTEM TO REMAIN IN PLACE. PROTECT DURING CONSTRUCTION.
- 5 SCUPPER. SEE DETAIL G4/A3.0.
- 6 (E) DOWNSPOUT TO REMAIN IN PLACE. PROTECT DURING CONSTRUCTION.
- 7 (E) STONE PARAPET CAP TO REMAIN. PROTECT DURING CONSTRUCTION.
- 8 WIND TURBINE ROOF VENT. SEE DETAIL G2/A3.0.
- 9 (E) VENT. SEE DETAIL D2/A3.0.
- 10 NOT USED.
- 11 CRICKET TO SCUPPER.
- 12 BOX ROOF VENT. SEE DETAIL E2/A3.
- 13 PROVIDE NEW FLASHING ALONG ENTIRE WALL. SEE DETAIL B2/A3.0.
- 14 PROVIDE NEW KICKOUT FLASHING TO DIVERT WATER AWAY FROM WALL. SEE DETAIL D4/A3.0.
- 15 ROOF CORNICE.
- 16 ADHERED ICE & WATER SHIELD BELOW SHINGLES - SHADED GRAY. WRAP UP WALL TO TOP OF FLASHING.

ENLARGED ROOF PLAN
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SCALE: 1/2" = 1'-0"

ENLARGED ROOF PLAN

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ENLARGED ROOF PLAN

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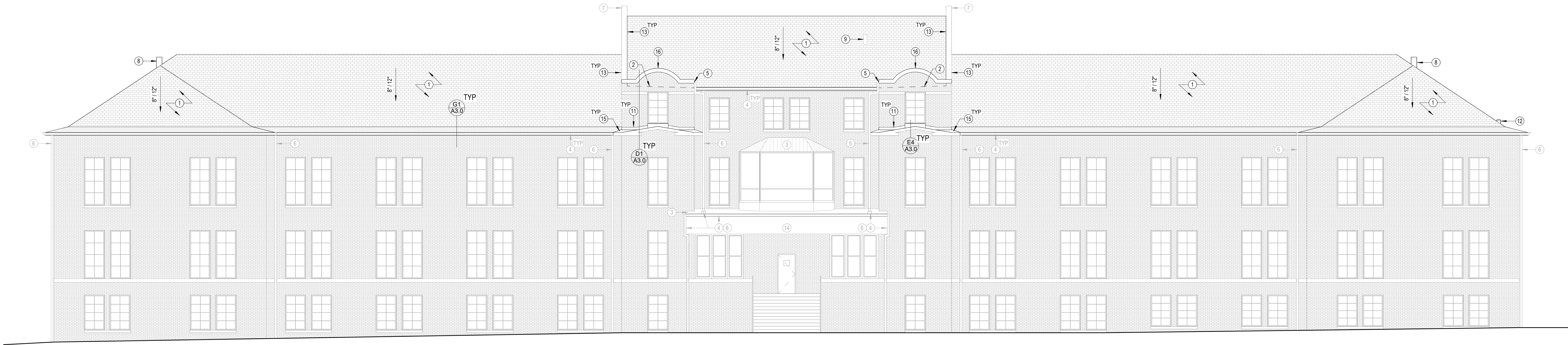
G4

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EXTERIOR ELEVATION NOTES

- 1 ASPHALT SHINGLE ROOF OVER SYNTHETIC UNDERLAYMENT. COLOR TO MATCH EXISTING SHINGLES.
- 2 EDPM ROOF.
- 3 (E) ROOF TO REMAIN.
- 4 (E) GUTTER SYSTEM TO REMAIN IN PLACE. PROTECT DURING CONSTRUCTION.
- 5 SCUPPER. SEE DETAIL G4/A3.0.
- 6 (E) DOWNSPOUT TO REMAIN IN PLACE. PROTECT DURING CONSTRUCTION.
- 7 (E) STONE PARAPET CAP TO REMAIN. PROTECT DURING CONSTRUCTION.
- 8 WIND TURBINE ROOF VENT. SEE DETAIL G2/A3.0.
- 9 (E) VENT. SEE DETAIL D2/A3.0.
- 10 NOT USED.
- 11 FLASHING. COLOR: DARK BRONZE.
- 12 BOX ROOF VENT. SEE DETAIL E2/A3.0.
- 13 PROVIDE NEW FLASHING ALONG ENTIRE WALL. SEE DETAIL B2/A3.0.
- 14 (E) CLADDING TO REMAIN.
- 15 ROOF CORNICE.
- 16 METAL ROOF EDGE. COLOR: MATCH EXISTING STONE PARAPET CAP. SITE VERIFY PROFILE RADIUS.



G1 EXTERIOR ELEVATION - NORTH EAST
SCALE: 1/8" = 1'-0"

ARCHITECT
10-FOLD
413 Kellogg Ave
Phone: 319.202.0007

IMHI INFIRMARY BUILDING ROOF REPLACEMENT
IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES (DAS)
2277 IOWA AVE., INDEPENDENCE, IA 50644

PROJECT ISSUE DATE: 07/31/2025
PROJECT NUMBER: 9519103
REVISIONS: 02/02/24

REV	DATE	DESCRIPTION

BIDDING DOCUMENTS
EXTERIOR ELEVATION

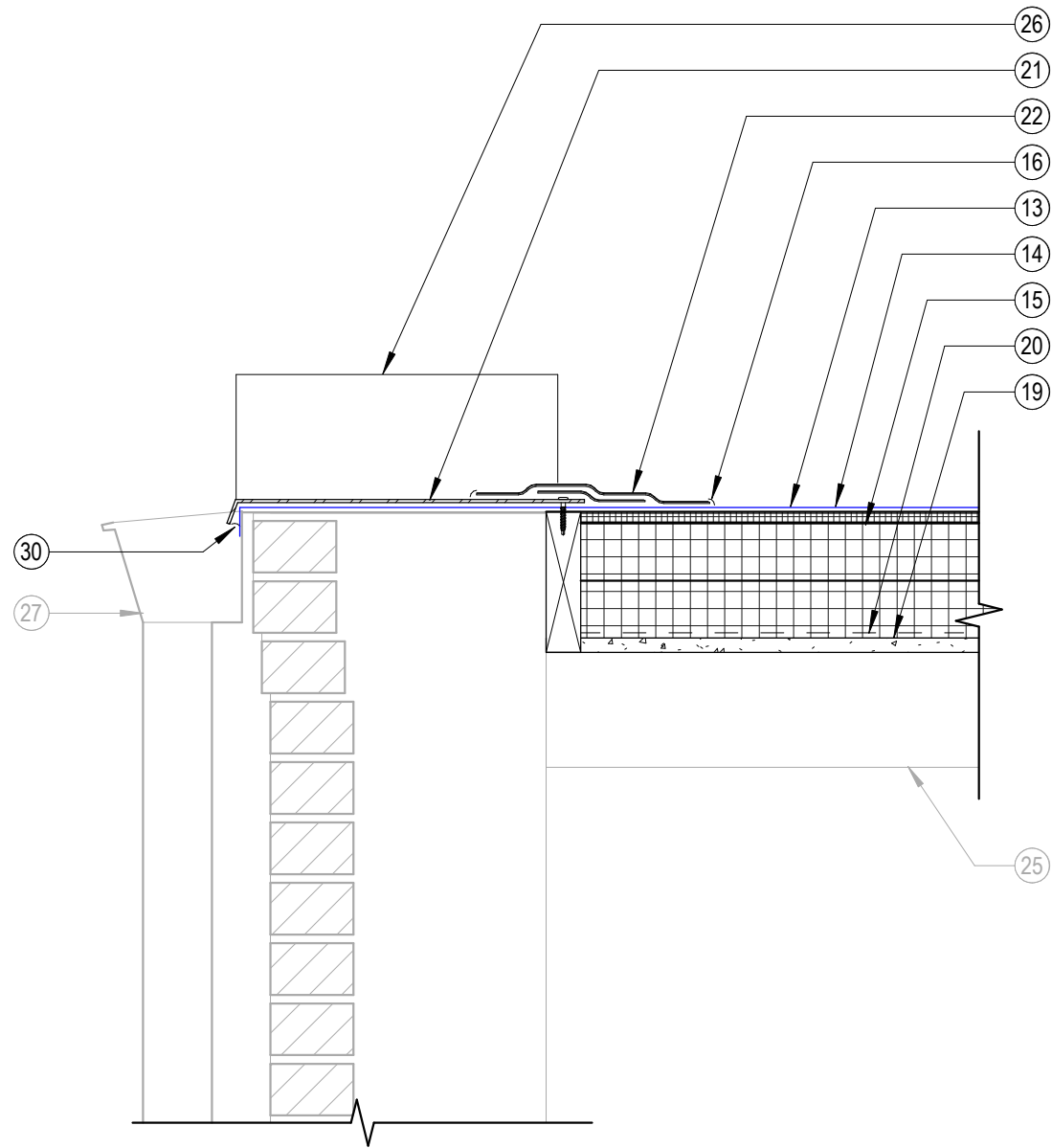
A2.0

GENERAL NOTES

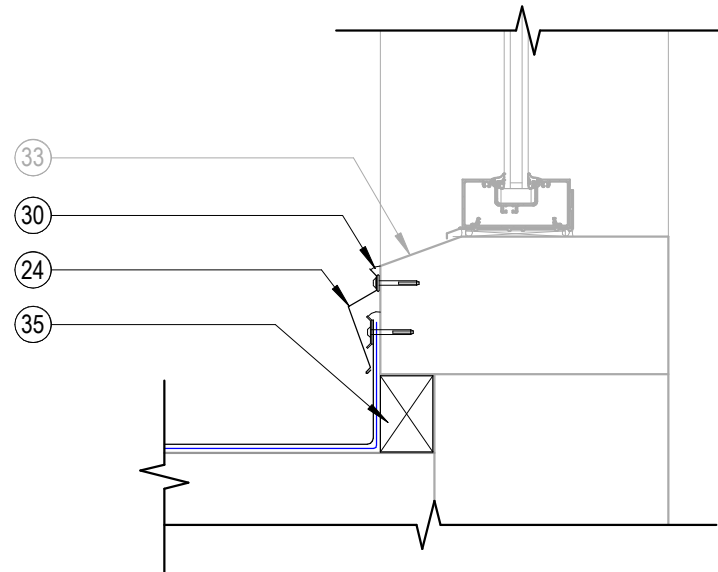
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ROOF DETAIL NOTES

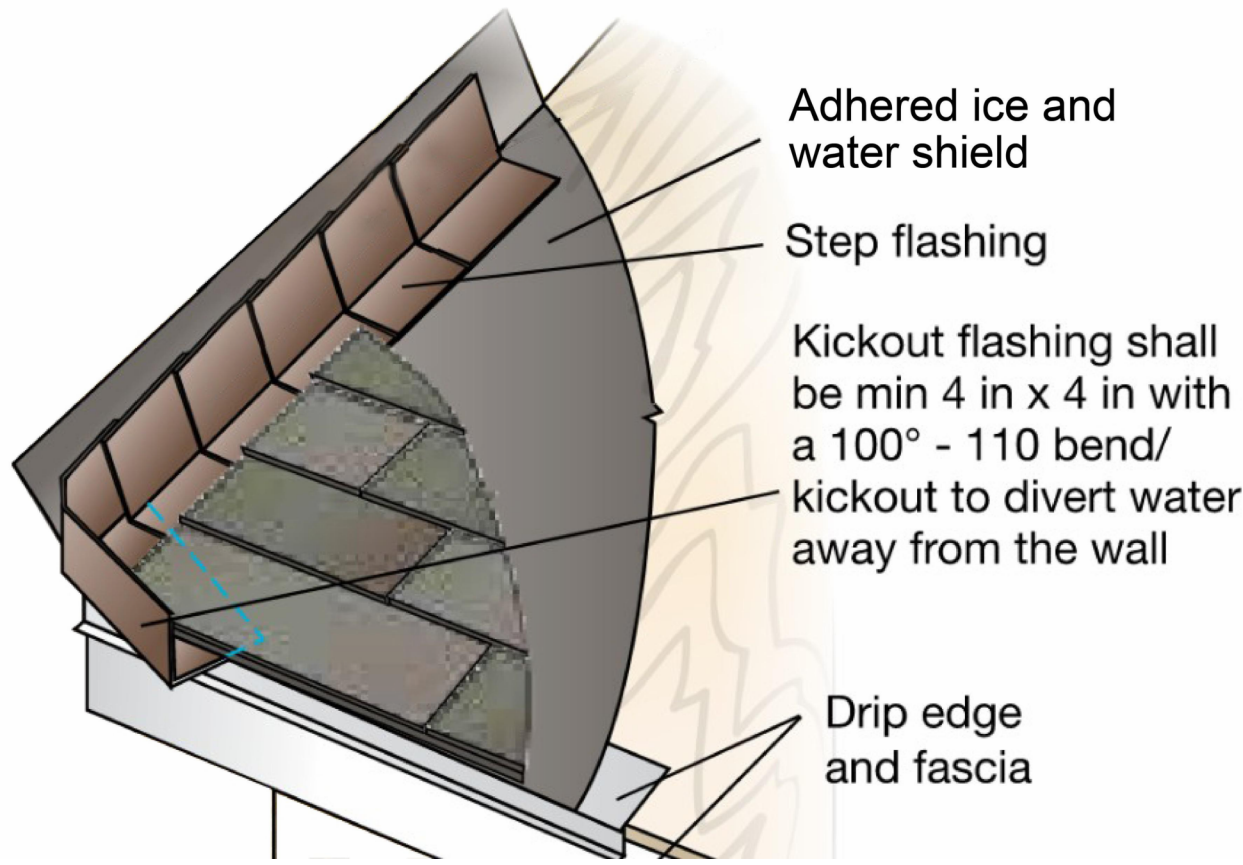
- 1 (E) MASONRY WALL.
- 2 (E) FRAMING.
- 3 (E) GUTTER, HANGER, AND STRAP.
- 4 (E) DOWNSPOUT.
- 5 ASPHALT SHINGLE SYSTEM.
- 6 ADHERED ICE & WATER SHIELD.
- 7 DRIP FLASHING.
- 8 REVIEW QUALITY OF (E) PLYWOOD TO REMAIN. REPLACE PLYWOOD IF REQUIRED DUE TO DAMAGE.
- 9 (E) COPPER TO REMAIN. PROTECT DURING DEMOLITION AND NEW CONSTRUCTION.
- 10 GALVANIZED WIND TURBINE VENT. MATCH SIZE OF EXISTING VENT.
- 11 ROOF VENT. MATCH SIZE OF EXISTING VENT.
- 12 6" MIN OVERLAP OF ADHERED ICE & WATER SHIELD ON ROOF MEMBRANE.
- 13 EPDM ROOF MEMBRANE. FULLY ADHERED.
- 14 1/2" HIGH DENSITY COVER BOARD.
- 15 RIGID INSULATION.
- 16 ADHERE SEAM PER ROOF MANUFACTURER'S REQUIREMENTS.
- 17 METAL STEP FLASHING.
- 18 BOOT FLASHING.
- 19 5/8" ROOF COVER BOARD ADHERED TO DECK - TYPE X.
- 20 VAPOR BARRIER ADHERED TO COVERBOARD AND PARAPET.
- 21 WELDED METAL SCUPPER SLEEVE.
- 22 REINFORCED PERIMETER FASTENING STRIP.
- 23 ROOF EDGE SECUREMENT FASTENER.
- 24 PREFINISHED METAL COUNTERFLASHING OVER METAL TERMINATION BAR WITH FASTENERS AND SEALANT PER SPECIFICATION REQUIREMENTS. COLOR: DARK BRONZE.
- 25 REVIEW QUALITY OF (E) ROOF DECK TO REMAIN. REPLACE IF REQUIRED DUE TO DAMAGE.
- 26 SCUPPER SIDEWALL BEYOND.
- 27 (E) CONDUCTOR HEAD AND DOWNSPOUT.
- 28 PREFINISHED METAL WIND CLIP. COLOR: DARK BRONZE.
- 29 SELF-ADHERED ROOF UNDERLAYMENT.
- 30 CONTINUOUS BUTYL SEAL.
- 31 PREFINISHED METAL CAP & BASE FLASHING SECURED WITH CLEATS. COLOR: DARK BRONZE.
- 32 (E) REGLET-MOUNTED FLASHING RECEIVER.
- 33 (E) STONE SILL.
- 34 TWO PIECE COATED METAL ROOF EDGE AT PERIMETER. ATTACH CONTINUOUS METAL CLEAT AT FACE EDGE. TERMINATE BASE OF ROOF EDGE BASE CLEAT WITH CONTINUOUS BUTYL SEAL. COLOR: MATCH EXISTING STONE PARAPET CAP. SITE VERIFY PROFILE RADIUS.
- 35 TREATED WOOD BLOCKING.



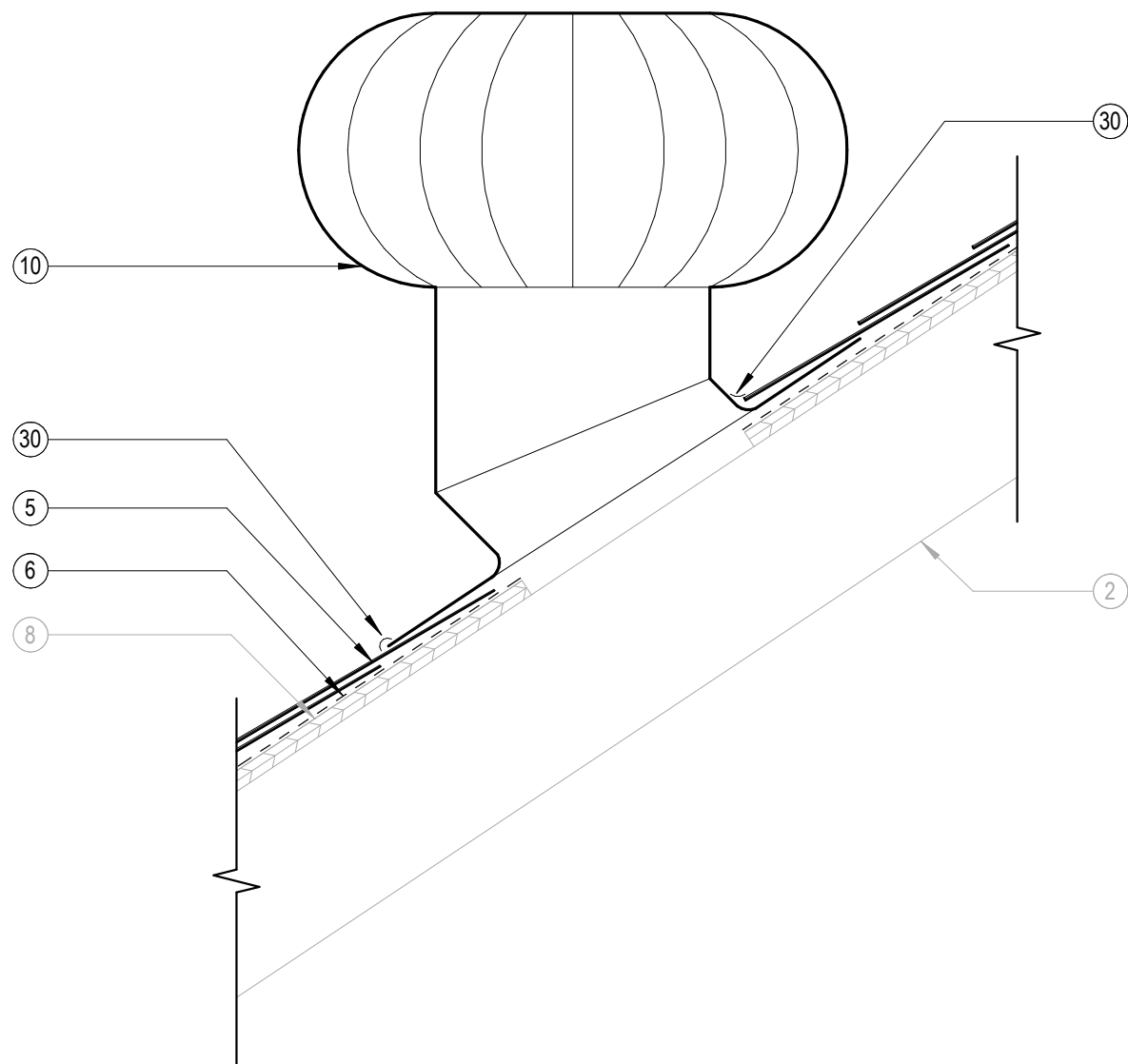
G4 SCUPPER
ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



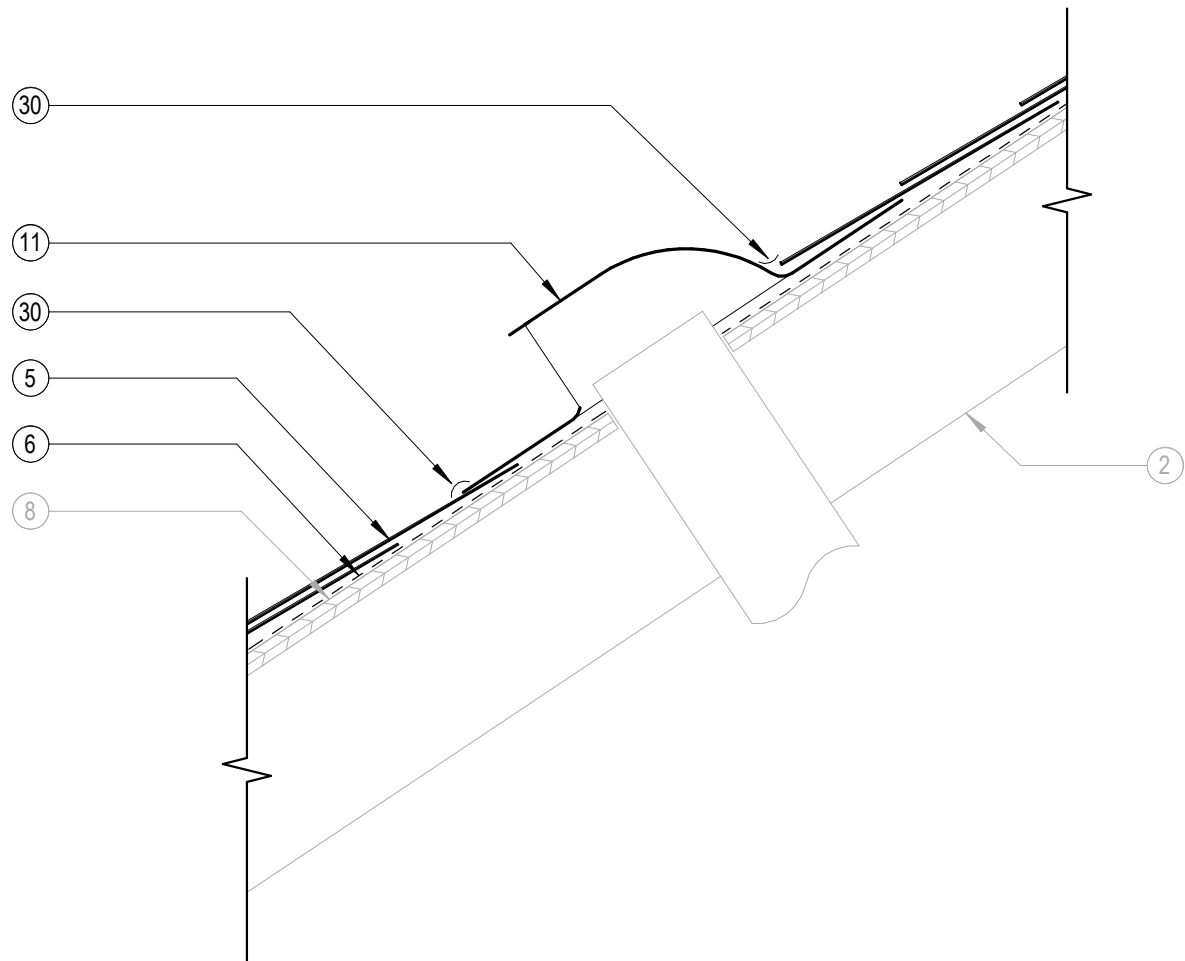
E4 SILL
ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



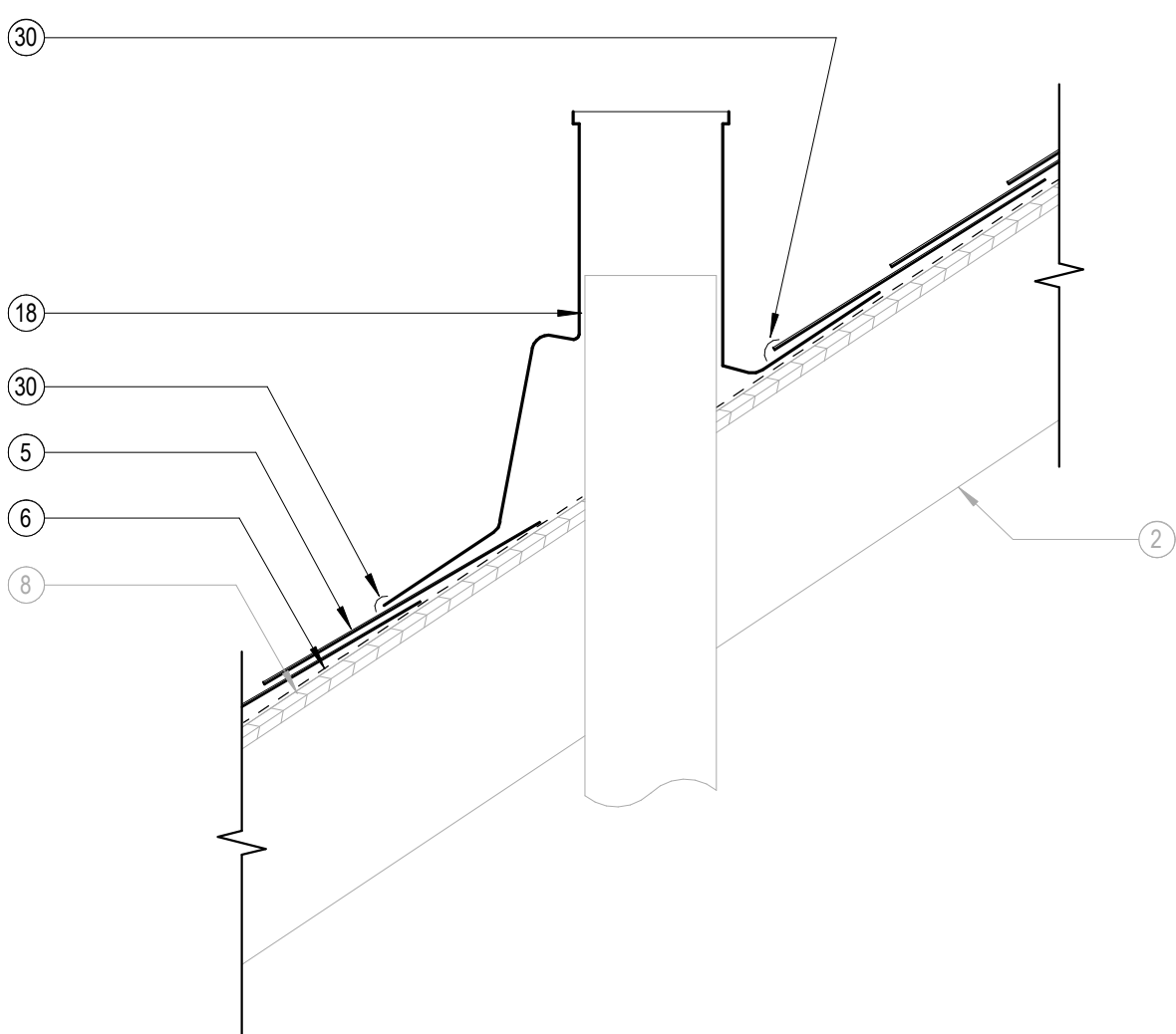
D4 TYPICAL KICKOUT FLASHING DETAIL



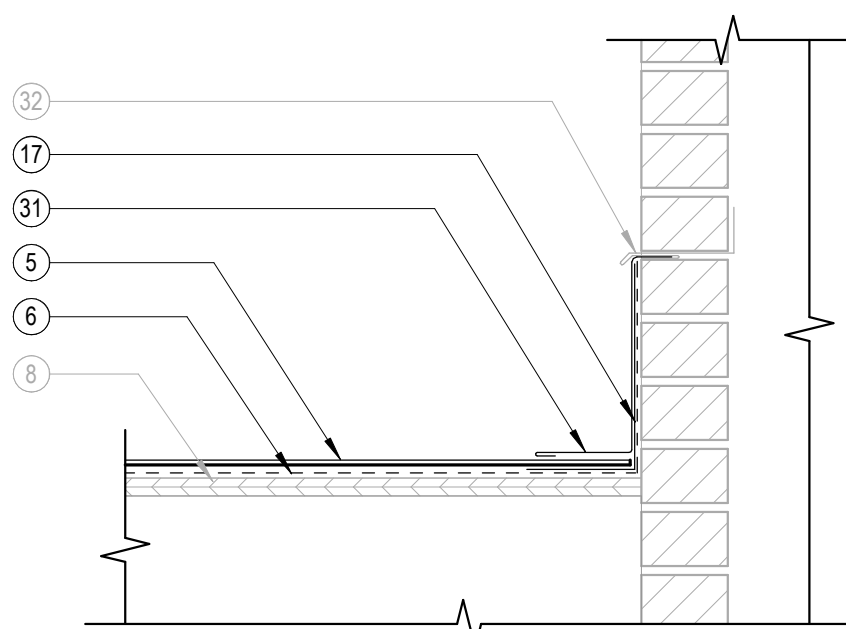
G2 WIND TURBINE VENT
ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



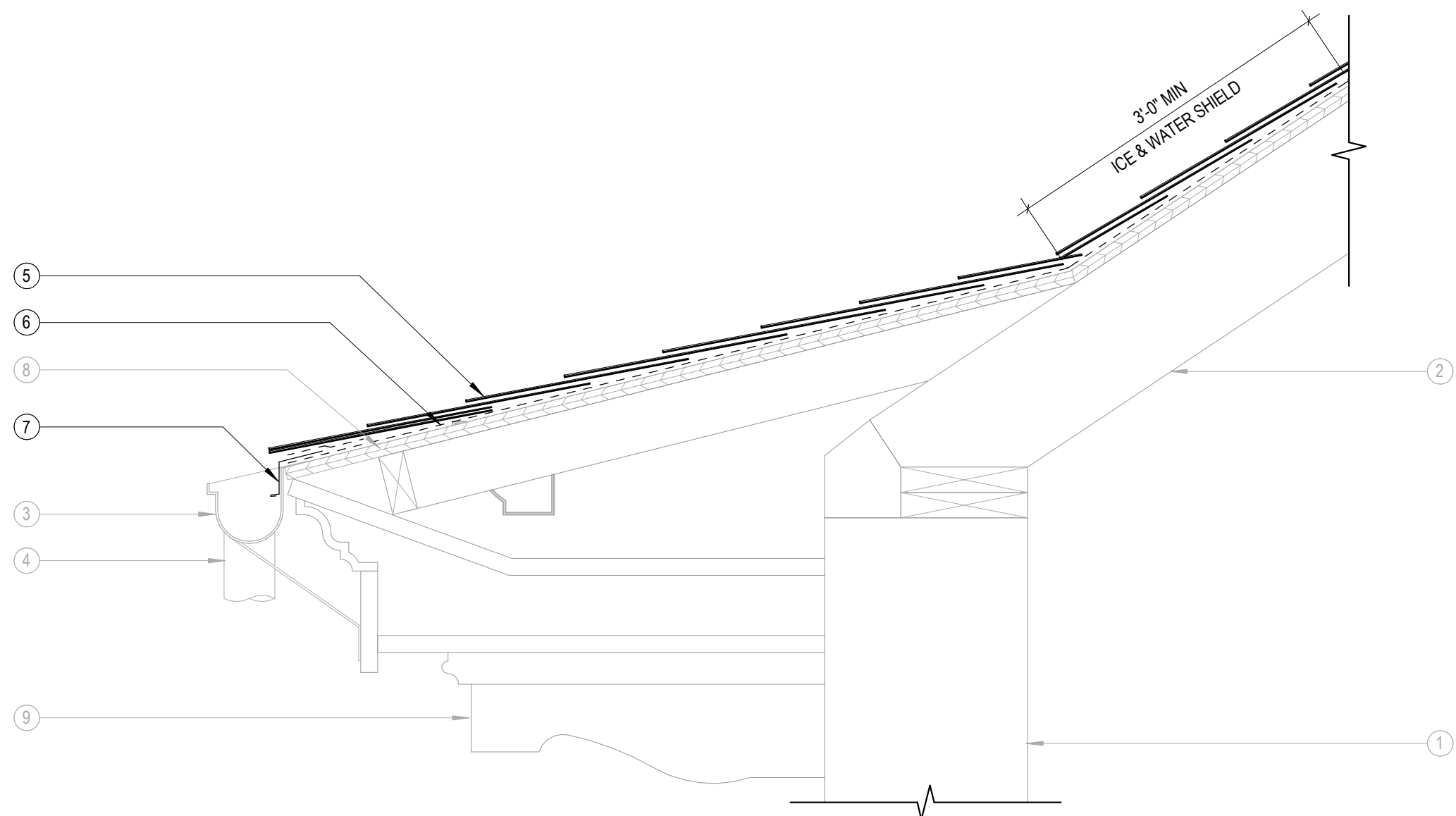
E2 BOX ROOF VENT
ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



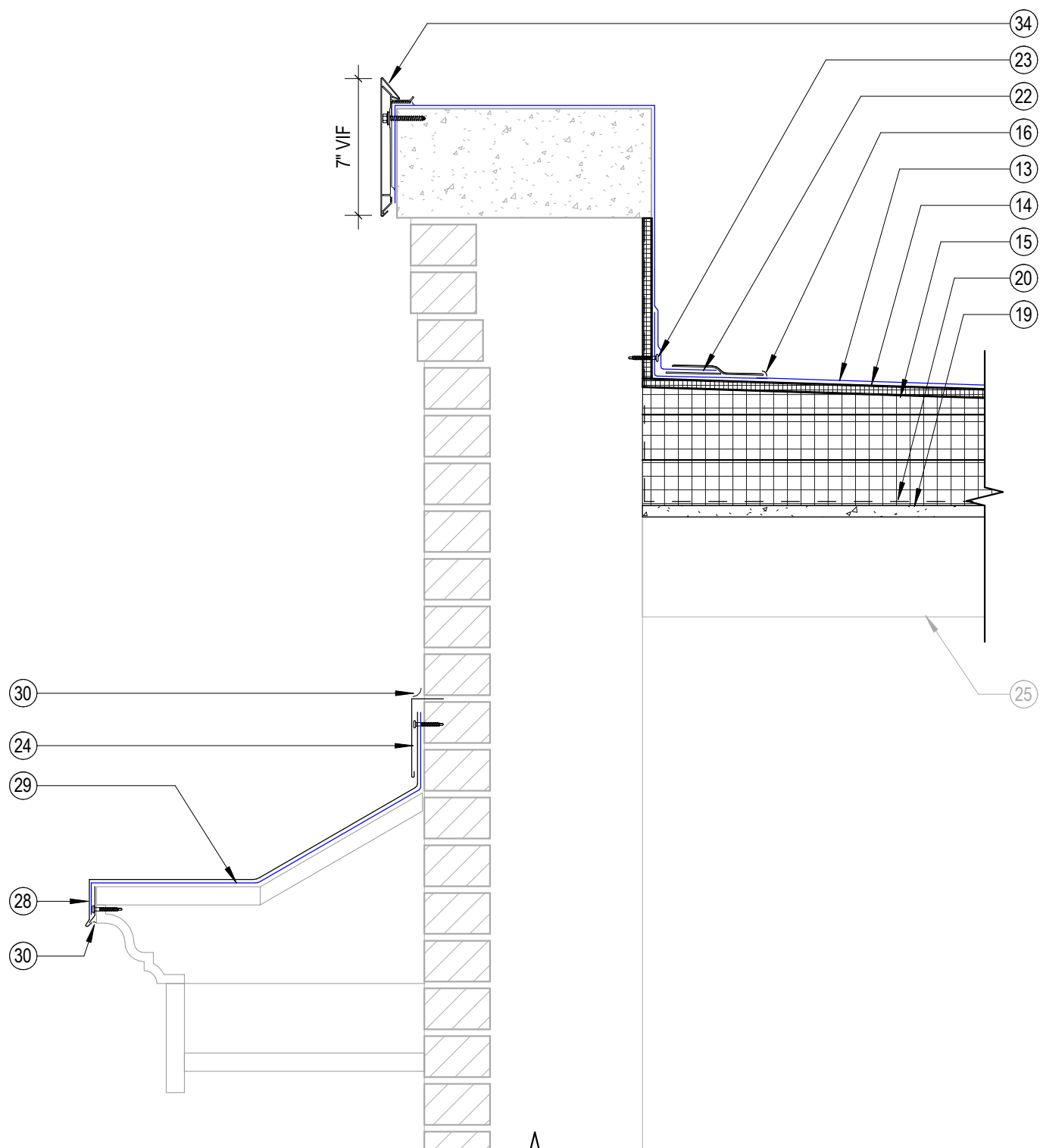
D2 ROOF PIPE BOOT
ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



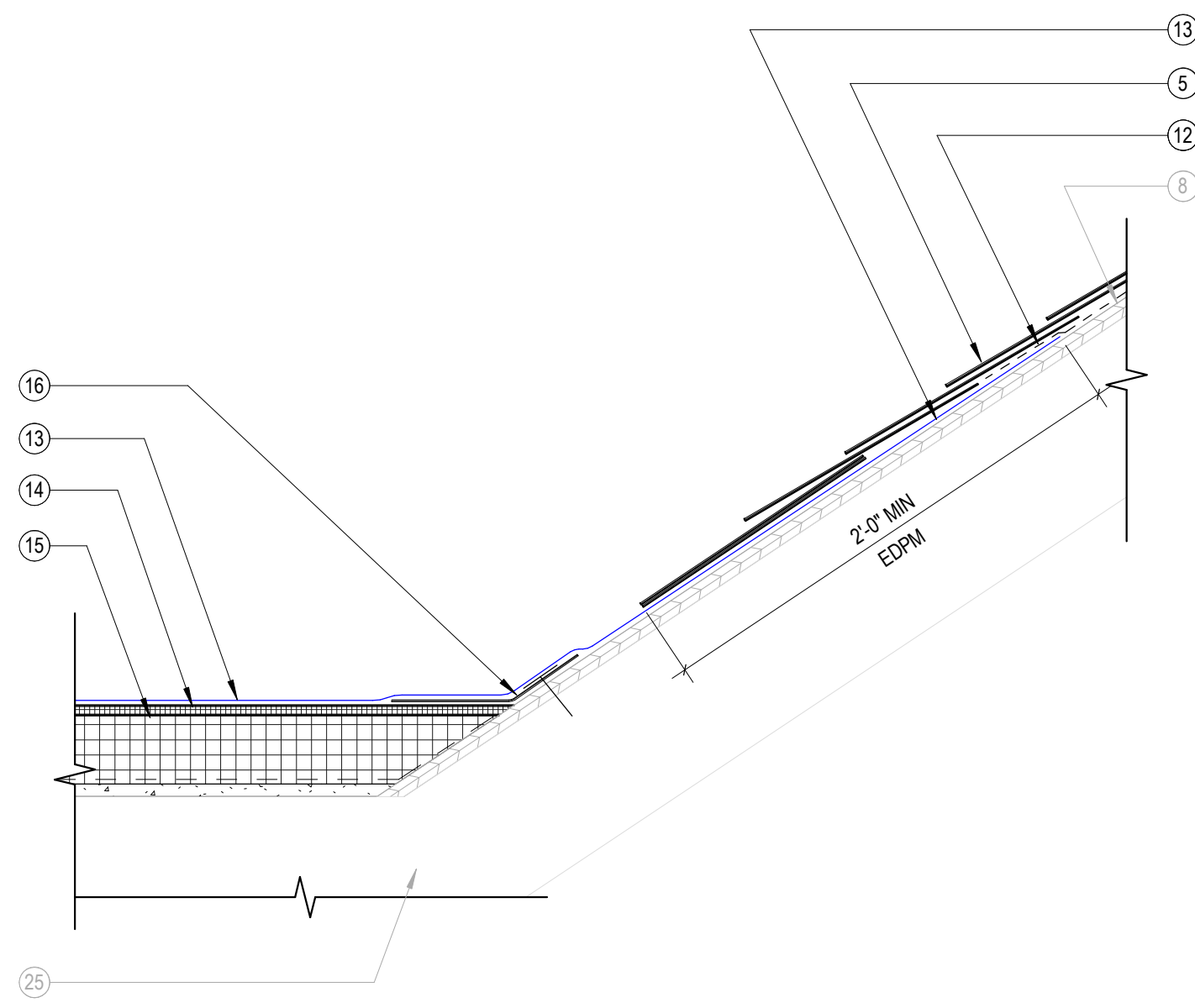
B2 WALL FLASHING
ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



G1 ASPHALT
ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



D1 EPDM TO ASPHALT
ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



B1 EPDM TO ASPHALT
ROOF DETAIL
SCALE: 1 1/2" = 1'-0"