



WE ARE WAYNE!
GREAT SCHOOLS :: GREAT COMMUNITY

2021 Roof and Roof Related Work at:

Ben Davis High School, Westlake Elementary School, McClelland Elementary School, Chapelwood Elementary School

Construction Documents January 15, 2021

ADMINISTRATORS

DR. JEFF BUTTS
SUPERINTENDENT

MR. BARRY GARDNER
CHIEF FINANCIAL OFFICER

MR. PETE JUST
CHIEF OPERATIONS AND TECHNOLOGY OFFICER

MR. TODD HENDRICKS
FACILITY SERVICES COORDINATOR

MR. DAVID ERICKSON
DEPUTY CONSTRUCTION OFFICER

BOARD OF SCHOOL TRUSTEES

MICHAEL NANCE
PRESIDENT

BENJAMIN WAKEFIELD
VICE PRESIDENT

RAIMEKA GRAHAM
SECRETARY

BRANDON BOWMAN
MEMBER

KAREN BURKE
MEMBER

SHIRLEY DECKARD
MEMBER

SUSAN GRAVES
MEMBER

ARCHITECT



Corporate Office: 7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office: 407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.1591
Fax: 317.536.3930

DRAWING INDEX:

COVER SHEET

A100: GENERAL INFORMATION SHEET

PROJECT ONE:

A101: BEN DAVIS HIGH SCHOOL PARTIAL ROOF PLAN
A102: BEN DAVIS HIGH SCHOOL PARTIAL ROOF PLAN
A103: BEN DAVIS HIGH SCHOOL PARTIAL ROOF PLAN
A104: BEN DAVIS HIGH SCHOOL PARTIAL ROOF PLAN
A105: BEN DAVIS HIGH SCHOOL TAPER INSULATION PLAN
A106: BEN DAVIS HIGH SCHOOL TAPER INSULATION PLAN
A107: BEN DAVIS HIGH SCHOOL TAPER INSULATION PLAN
A108: BEN DAVIS HIGH SCHOOL TAPER INSULATION PLAN
A109: BEN DAVIS HIGH SCHOOL ROOF DETAILS
A110: BEN DAVIS HIGH SCHOOL ROOF DETAILS
A111: BEN DAVIS HIGH SCHOOL ROOF DETAILS

PROJECT TWO:

A201: WESTLAKE ELEMENTARY SCHOOL PARTIAL ROOF PLAN
A202: WESTLAKE ELEMENTARY SCHOOL PARTIAL ROOF PLAN
A203: WESTLAKE ELEMENTARY SCHOOL PARTIAL ROOF PLAN
A204: WESTLAKE ELEMENTARY SCHOOL TAPER INSULATION PLAN
A205: WESTLAKE ELEMENTARY SCHOOL TAPER INSULATION PLAN
A206: WESTLAKE ELEMENTARY SCHOOL TAPER INSULATION PLAN
A207: WESTLAKE ELEMENTARY SCHOOL ROOF DETAILS
A208: WESTLAKE ELEMENTARY SCHOOL ROOF DETAILS
A209: WESTLAKE ELEMENTARY SCHOOL ROOF DETAILS
A210: WESTLAKE ELEMENTARY SCHOOL ROOF DETAILS
A211: WESTLAKE ELEMENTARY SCHOOL ROOF DETAILS
A212: WESTLAKE ELEMENTARY SCHOOL MASONRY PLAN


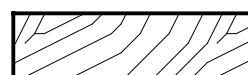

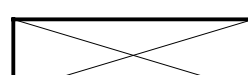
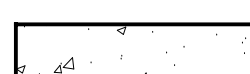
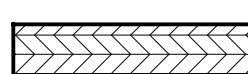
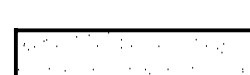
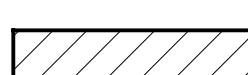

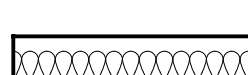


PROJECT THREE:

A301: McCLELLAND ELEMENTARY SCHOOL PARTIAL ROOF PLAN
A302: McCLELLAND ELEMENTARY SCHOOL PARTIAL ROOF PLAN
A303: McCLELLAND ELEMENTARY SCHOOL TAPER INSULATION PLAN
A304: McCLELLAND ELEMENTARY SCHOOL TAPER INSULATION PLAN
A305: McCLELLAND ELEMENTARY SCHOOL ROOF DETAILS
A306: McCLELLAND ELEMENTARY SCHOOL ROOF DETAILS
A307: CHAPELWOOD ELEMENTARY SCHOOL PARTIAL ROOF PLAN
A308: CHAPELWOOD ELEMENTARY SCHOOL PARTIAL ROOF PLAN
A309: CHAPELWOOD ELEMENTARY SCHOOL PARTIAL TAPER INSULATION PLAN
A310: CHAPELWOOD ELEMENTARY SCHOOL PARTIAL TAPER INSULATION PLAN
A311: CHAPELWOOD ELEMENTARY SCHOOL ROOF DETAILS
A312: CHAPELWOOD ELEMENTARY SCHOOL ROOF DETAILS
A313: CHAPELWOOD ELEMENTARY SCHOOL ROOF DETAILS
A314: CHAPELWOOD ELEMENTARY SCHOOL ROOF DETAILS

ABBREVIATIONS:

ABD	ABANDONED	GA	GAUGE	QTY	QUANTITY
AC	AIR CONDITIONING	GALV	GALVANIZED	RC	ROOF CORE
A/E	ASPHALT EMULSION	GB	GLASS BLOCK	RD	ROOF DRAIN
AFF	ABOVE FINISH FLOOR	GC	GENERAL CONTRACTOR	RE	REFER TO
AHU	AIR HANDLING UNIT	GL	GLASS	REINF	REINFORCING
ALT	ALTERNATE	GR	GRADE	REQ'D	REQUIRED
ALUM	ALUMINUM	GRV	GRAVITY ROOF VENT	RFG	ROOFING
ASPH	ASPHALT	GWB	GYPSUM WALL BOARD	RS	ROOF SUMP
		GYP	GYPSUM	RV	RELIEF VENT
				REV	REVISION
BOT	BOTTOM	HGT	HEIGHT	SATT	SATELLITE DISH
BD	BOARD	HDWD	HARDWOOD	SC	SCUPPER
BFLG	BASE FLASHING	HDWR	HARDWARE	SD	STORM DRAIN
BIT	BITUMINOUS	HM	HOLLOW METAL	SECT	SECTION
BJT	BED JOINT	HORZ	HORIZONTAL	SHT	SHEET
BLDG	BUILDING	HVAC	HEATING, VENTILATING, AIR CONDITIONING	SIM	SIMILAR
BLK	BLOCK			SPECS	SPECIFICATIONS
BRG	BEARING			SS	STAINLESS STEEL
BS	BOTH SIDES			STD	STANDARD
BUR	BUILT UP ROOFING	IN	INCH	STL	STEEL
BRK	BRICK	INFO	INFORMATION		
		INSUL	INSULATION	T&G	TONGUE & GROOVE
		ISO	ISOCYANURATE	TEMP	TEMPERATURE
				TERM	TERMINATION
		JT	JOINT	THK	THICK or THICKNESS
				TOM	TOP OF MASONRY
		LAM	LAMINATED	TOS	TOP OF STEEL
		LBS	POUNDS	TO	TOP OF
		LFT	LINEAR FOOT	TYP	TYPICAL
		LVR	LOUVER		
		LWC	LIGHT WEIGHT CONCRETE	UNO	UNLESS NOTED OTHERWISE
				UNF	UNFINISHED
		MAS	MASONRY	UTIL	UTILITY
		MATL	MATERIAL		
		MAX	MAXIMUM	VB	VINYL BASE
		MBR	MODIFIED BITUMEN ROOFING	VCT	VINYL COMPOSITION TILE
		MECH	MECHANICAL	VR	VAPOR RETARDER
		MFR	MANUFACTURER	VERT	VERTICLE
		MH	MAN HOLE	VIF	VERIFY IN FIELD
		MIN	MINIMUM		
		MISC	MISCELLANEOUS		
		MO	MASONRY OPENING		
		MRD	METAL ROOF DECK		
		MTD	MOUNTED		
		MTG	MOUNTING		
		MTL	METAL		
		N	NORTH		
		NA	NOT APPLICABLE		
		NIC	NOT IN CONTRACT		
		NO	NUMBER		
		NOM	NOMINAL		
		NTS	NOT TO SCALE		
		OA	OVERALL		
		OC	ON CENTER		
		OH	OVERHEAD		
		OPNG	OPENING		
		PER	PERTAINING TO		
		PT	PAINT		
		PCC	PRE-CAST CONCRETE		
		PERP	PERPENDICULAR		
		PL	PLATE		
		PLAS	PLASTIC		
		PLBG	PLUMBING		
		PWD	PLYWOOD		
		PREFAB	PREFABRICATED		
		PROJ	PROJECT		
		PSI	POUNDS PER SQUARE INCH		
		PP	PIPE PENETRATION		
		PS	PIPE SEAL		
		PV	PLUMBING VENT		
		PVC	POLY VINYL CHLORIDE		
DBL	DOUBLE				
DEG	DEGREE				
DEMO	DEMOLITION				
DEPT	DEPARTMENT				
DIA	DIAMETER				
DIM	DIMENSION				
DL	DEAD LOAD				
DN	DOWN				
DR	DOOR				
DS	DOWN SPOUT				
DTL	DETAIL				
DWG	DRAWING				
EF	EXHAUST FAN				
EPDM	ETHYLENE PROPYLENE DIENE MONOMER				
EIFS	EXTERIOR INSULATION FINISH SYSTEM				
EJ	EXPANSION JOINT				
ELEC	ELECTRICAL				
ELEV	ELEVATION or ELEVATOR				
ENG	ENGINEER				
EP	ELECTRICAL PANEL				
ETC	ETCETERA				
EST	ESTIMATE				
EXG	EXISTING				
EXP	EXPOSED				
EXT	EXTERIOR				
FB	FACE BRICK				
FD	FLOOR DRAIN				
FIN	FINISHED				
FLG	FLASHING				
FSR	FLEXIBLE SHEET ROOFING				
FLR	FLOOR				
FT	FOOT or FEET				

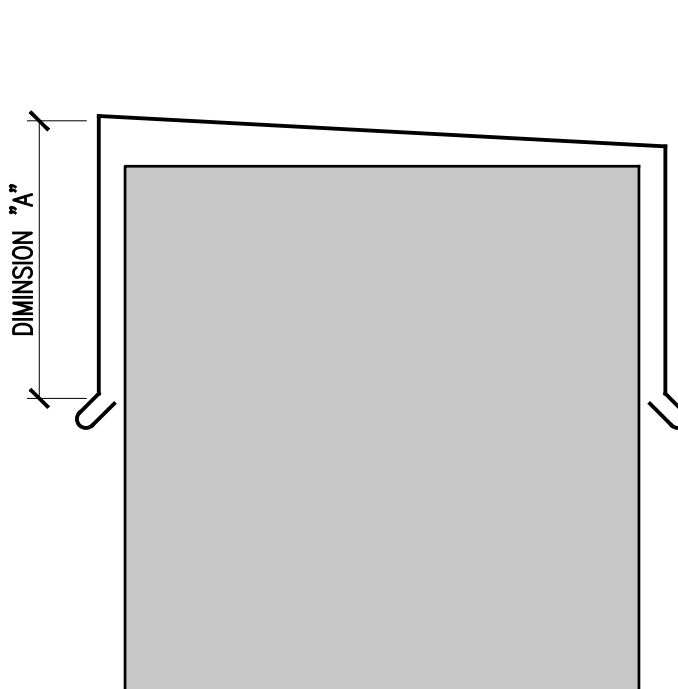
MATERIAL INDICATIONS

	EARTH		WOOD
	GRANULAR FILL		ROUGH CUT WOOD
	CONCRETE		PLYWOOD
	SAND		CONCRETE BLOCK
	STEEL/METAL		BATT INSULATION
	BRICK		RIGID INSULATION

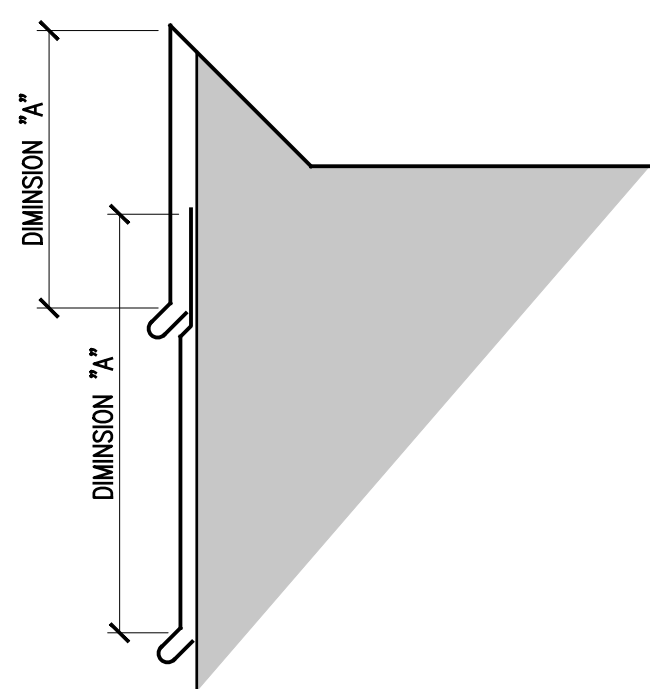
ARCHITECTURAL SYMBOLS

DRAWING/DETAIL REFERENCE	TITLE
REFERENCE NUMBER OR LETTER	1 FLOOR PLAN
SHEET NUMBER	A100
ROOM NAME/NUMBER	OFFICE 107 ROOM NAME ROOM NUMBER
DOOR NUMBER	103A DOOR NUMBER
ROOF PLAN KEY NOTE TAG	15 KEY NOTE NUMBER
DETAIL KEY NOTE TAG	5 DETAIL KEY NOTE NUMBER
DEMOLITION NOTE TAG OR KEYNOTE TAG	1 DEMOLITION NOTE NUMBER
WINDOW TYPE	1 WINDOW NUMBER
WALL TYPE	1 WALL TYPE POSITION OVER WALL
DETAIL REFERENCE	3 DETAIL NUMBER A107 SHEET NUMBER
SECTION REFERENCE	1 SECTION NUMBER 101 SHEET NUMBER
GRID REFERENCE	A GRID REFERENCE
EXTERIOR ELEVATION REFERENCE	1 ELEVATION NUMBER 201 SHEET NUMBER
INTERIOR ELEVATION REFERENCE	1 ELEVATION NUMBER 8/A401 SHEET NUMBER
VERTICAL ELEVATION TARGET	1 ELEMENT REFERENCE TOM +24'-0" HEIGHT ABOVE FINISH FLOOR
NORTH ARROW	POINTS IN DIRECTION OF TRUE NORTH N POINTS IN DIRECTION OF PLAN NORTH
REVISION REFERENCE	1 REVISION NUMBER INDICATES AREA OF REVISION
ROOF CORE LOCATION	SHADING INDICATES AREA OF EXIST CONSTRUCTION RC

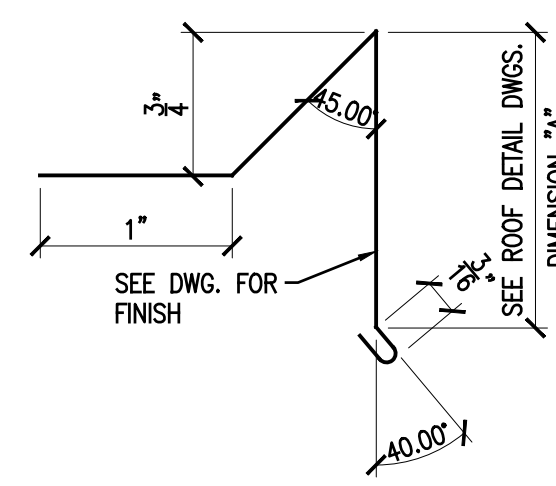
TYPICAL FASCIA SYSTEM COMPONENTS AND REQUIREMENTS:



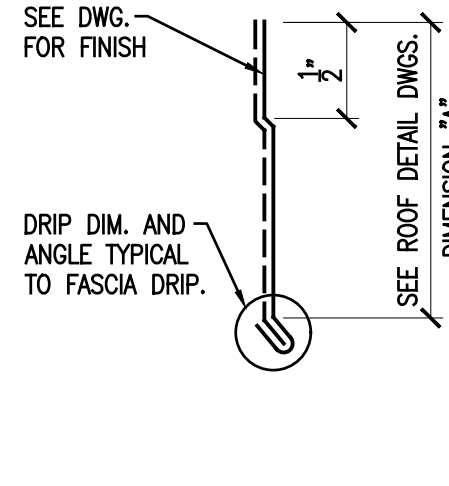
COPING



FASCIA AND EXTENDER

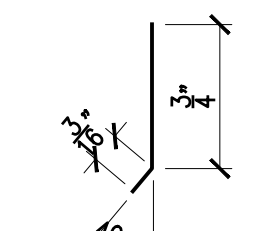


FASCIA

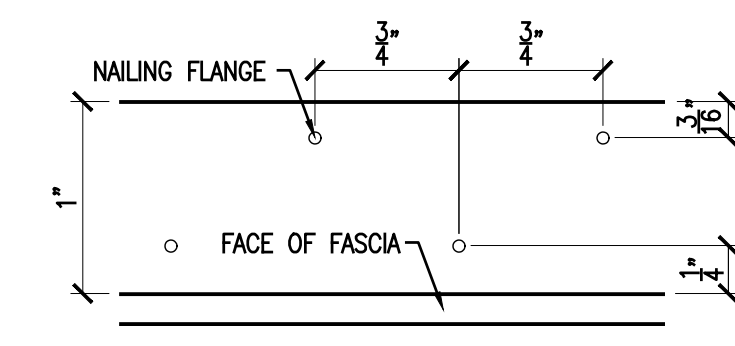


FASCIA
EXTENDER

EXPOSED FACE WITHOUT BRAKES "A" DIMENSION	AUMINUM	COLD ROLLED COPPER	GALVANIZED OR COATED STEEL	CLEAT
UP TO 3" FACE	.032"	16 OZ.	24 GA.	SAME GAUGE AS FASCIA METAL
3' TO 6" FACE	.040"	16 OZ.	24 GA.	ONE GAUGE HEAVIER THAN FASCIA METAL
6" TO 8" FACE	.050"	20 OZ.	24 GA.	ONE GAUGE HEAVIER THAN FASCIA METAL
8" TO 15" FACE	ADD BRAKES TO STIFFEN OR USE EXTENDER	ADD BRAKES TO STIFFEN OR USE EXTENDER	ADD BRAKES TO STIFFEN OR USE EXTENDER	ONE GAUGE HEAVIER THAN FASCIA METAL



FASCIA & EXTENDER
CLEAT



FLANGE NAILING PATTERN

GENERAL FASCIA SYSTEM NOTES:

- FABRICATE SHEET METAL FOR FASCIA SYSTEM AS SHOWN ON THIS SHEET.
- SET FASCIA NAILING FLANGE IN CONTINUOUS BED OF ROOF CEMENT.
- FASCIA AND EXTENDER SECTIONS ARE NOT TO EXCEED 10' IN LENGTH.
- LAYOUT FASCIA AND EXTENDERS RUNS TO PRODUCE EQUAL LENGTHS AT EACH END AND NO LESS THAN 5' IN LENGTH.
- STAGGER JOINTS IN FASCIA AND EXTENDERS EQUALLY.
- STAGGER JOINTS IN CLEATS WITH JOINTS IN FASCIA AND EXTENDERS.
- BUTT FASCIA, EXTENDER AND CLEAT SECTIONS WITH A 1/4" GAP.
- PROVIDE PRE-PUNCHED ANCHOR HOLES.
- FASCIA CORNERS ARE TO BE MITERED AND FORMED. JOINTS ARE TO BE WELDED OR LAPPED, RIVETED 1" O.C. AND SOLDERED. EACH LEG OF THE CORNER IS NOT TO EXCEED 18" IN LENGTH.

NOTE: NOT ALL ABBREVIATIONS, ARCHITECTURAL SYMBOLS, OR MATERIAL INDICATIONS MAY BE REFERENCED FOR THIS PROJECT.



Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its heirs, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

DRAWING TITLE:

GENERAL
INFORMATION SHEET

SHEET NUMBER:

A100

EXISTING ROOF SYSTEM LEGEND:

Roof Area 4

Deck: Concrete
Vapor Retarder: N/A
Insulation: 1" Wood Fiber Board over TPO over 2" Extruded Polystyrene Insulation over 1/2" Wood Fiber Board over 1" Gravel Surfaced Built Up Roofing over 2" Perlite
Membrane: Mechanically Attached EPDM
Flashings: EPDM
Surfacing: N/A

Roof Area 5

Deck: Metal
Vapor Retarder: N/A
Insulation: 1" Wood Fiber Board over TPO over Tapered Extruded Polystyrene Insulation over 1/2" Wood Fiber Board over 1" Gravel Surfaced Built Up Roofing over 2" Perlite
Membrane: Mechanically Attached EPDM
Flashings: EPDM
Surfacing: N/A

Roof Area 7

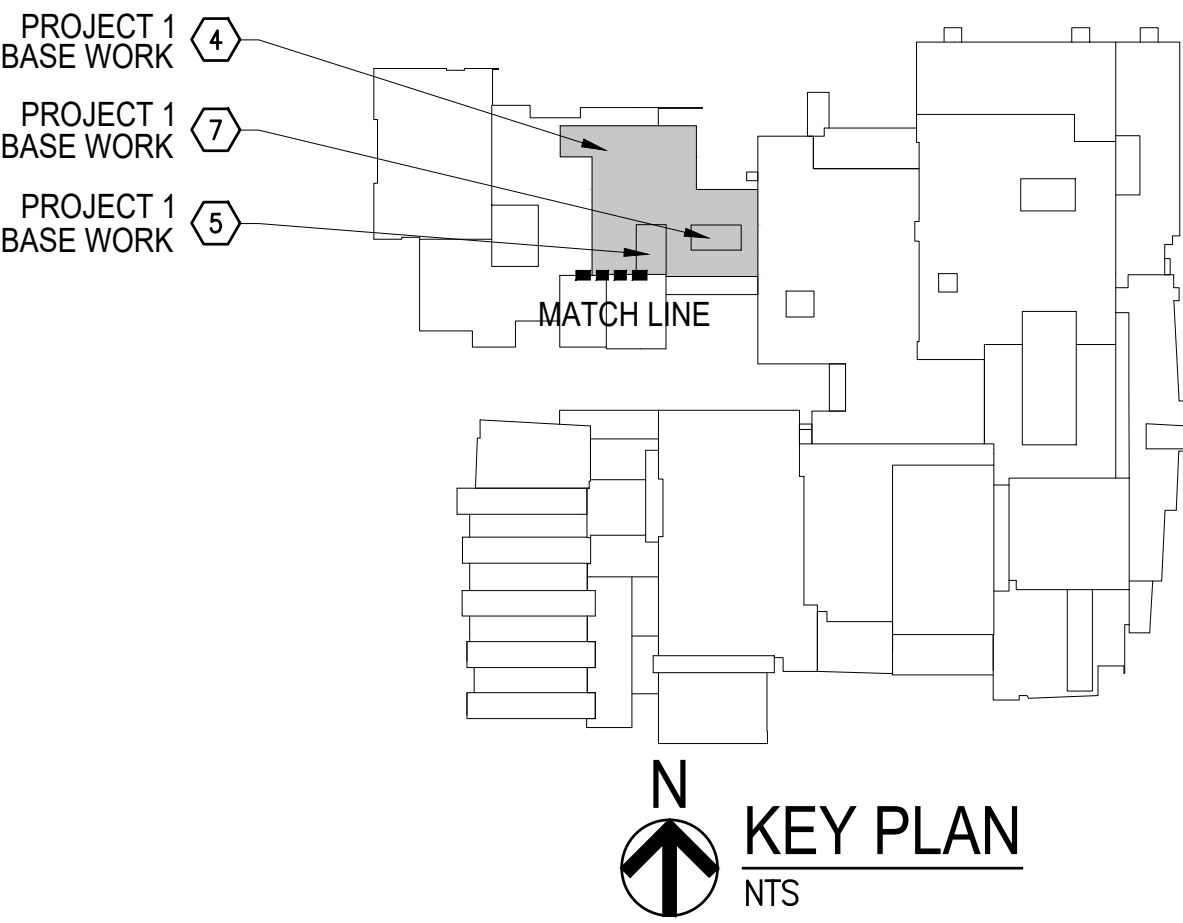
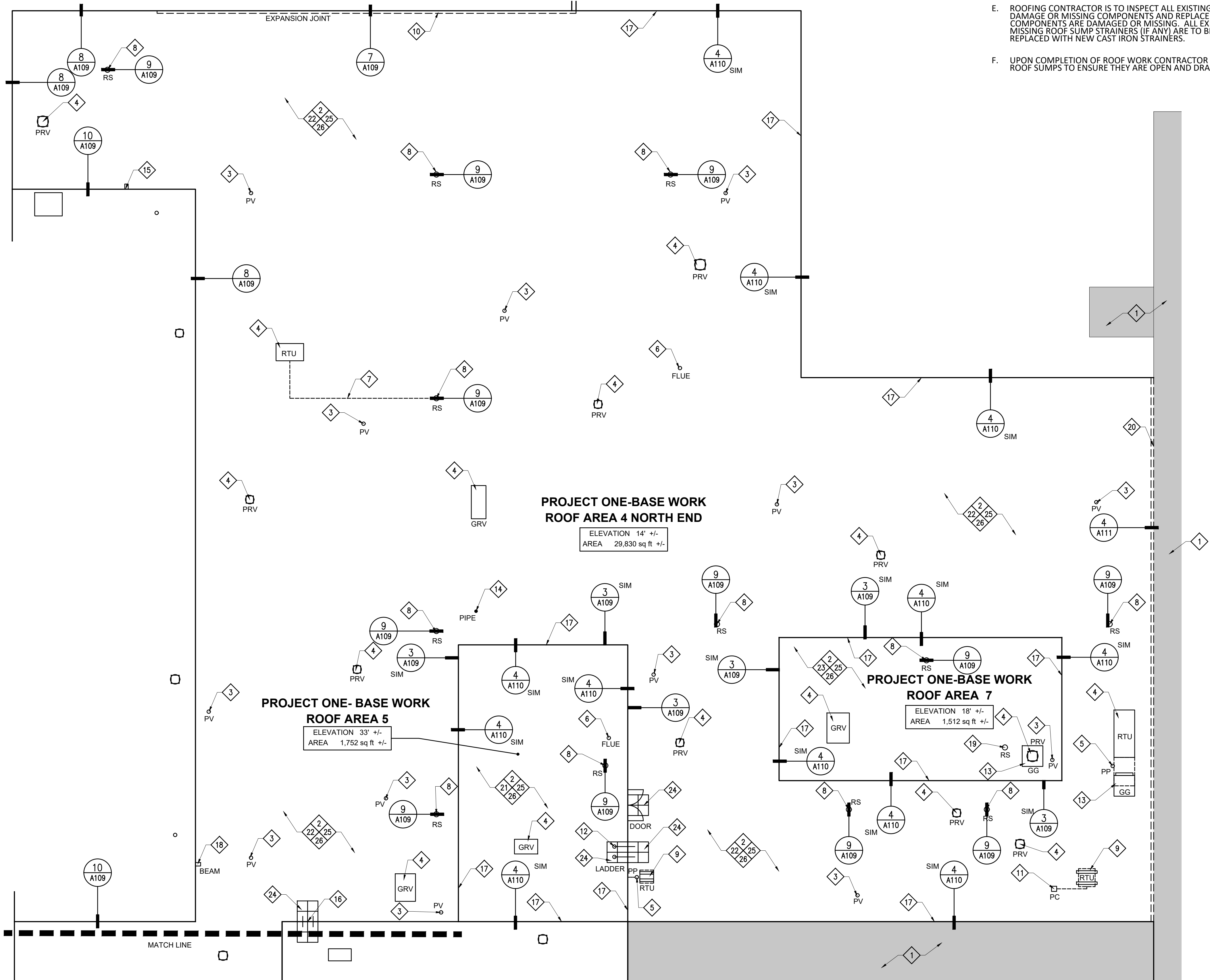
Deck: Concrete
Vapor Retarder: N/A
Insulation: 1" Wood Fiber Board over TPO over Tapered Extruded Polystyrene Insulation over 1/2" Gravel Surfaced Built Up Roofing over 1 1/2" Perlite
Membrane: Mechanically Attached EPDM
Flashings: EPDM
Surfacing: N/A

GENERAL ROOF PLAN NOTES:

- ROOFING CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING DIMENSIONS, CONDITIONS AND DETAILS THAT MAY AFFECT THIS WORK.
- ROOFING CONTRACTOR IS TO INSPECT EXISTING CONCRETE AND METAL DECKS FOR ANY DAMAGE AND/OR DETERIORATION. ROOFING CONTRACTOR IS TO DOCUMENT, REPORT AND CORRECT ANY UNSATISFACTORY CONDITIONS PRIOR TO INSTALLING NEW ROOF SYSTEM.
- ROOFING CONTRACTOR IS TO VERIFY THAT ALL EXISTING PLUMBING VENTS TO REMAIN WILL ACCOMMODATE A MINIMUM 8" FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO ADJUST AND EXTEND ANY THAT WOULD FAIL TO MEET THE 8" MINIMUM FLASHING HEIGHT.
- ROOF CONTRACTOR IS TO VERIFY THAT ALL EXISTING ROOF TOP EQUIPMENT THAT IS TO REMAIN WILL ACCOMMODATE A MINIMUM 12" BASE FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO RAISE ANY OR ALL UNITS THAT FAIL TO MEET THE 12" MINIMUM FLASHING HEIGHT. EXTEND ANY/OR ALL EXISTING DUCTWORK AND WIRING TO ACCOMMODATE NEW HEIGHT OF UNIT - DON'T STRETCH EXISTING WIRING TO ACCOMMODATE NEW HEIGHT.
- ROOFING CONTRACTOR IS TO INSPECT ALL EXISTING ROOF DRAINS FOR DAMAGE OR MISSING COMPONENTS AND REPLACE WITH NEW IF ANY COMPONENTS ARE DAMAGED OR MISSING. ALL EXISTING PLASTIC OR MISSING ROOF SUMP STRAINERS (IF ANY) ARE TO BE REMOVED AND REPLACED WITH NEW CAST IRON STRAINERS.
- UPON COMPLETION OF ROOF WORK CONTRACTOR IS TO WATER TEST ALL ROOF SUMPS TO ENSURE THEY ARE OPEN AND DRAIN PROPERLY.

ROOF PLAN SCOPE OF WORK:
BASE WORK ROOF AREAS 4, 5, & 7

- NO WORK OR MATERIAL STORAGE IN THIS AREA
- REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- REMOVE ALL EXISTING PLUMBING VENT (PV) FLASHINGS AND PROVIDE NEW PRE-MOLDED FLASHINGS. SEE DETAIL 5/A110.
- EXG POWER ROOF VENTS (PRV), GRAVITY ROOF VENTS (GRV), AND ROOFTOP UNITS (RTU) TO REMAIN. SEE DETAIL 3/A110.
- EXISTING PIPE PENETRATION (PP) TO REMAIN. PROVIDE NEW LIQUID FLASHING. SEE DETAIL 8/A110.
- EXISTING FLUES TO REMAIN. REMOVE EXISTING FLASHING AND RAIN COLLAR AND PROVIDE NEW. SEE DETAIL 6/A110.
- PROVIDE NEW PVC DRIP LINE AT ROOF TOP UNIT DRAIN.
- EXG (12) ROOF SUMPS (RS) TO REMAIN. RESET EXG CLAMPING RINGS AND STRAINERS.
- EXISTING ROOFTOP UNITS (RTU) TO REMAIN. REMOVE EXISTING EQUIPMENT RAILS AND PROVIDE NEW NON-PENETRATING SUPPORT PLATFORM. SEE DETAIL 2/A111.
- REMOVE EXISTING EXPANSION JOINT AND PROVIDE NEW WOOD BLOCKING EXPANSION JOINT AND THERMOPLASTIC STRIPPING.
- REMOVE EXISTING PENETRATION CURB (PC) AND PROVIDE NEW. PENETRATION CURB AND EPDM BOOTS. SEE DETAIL 7/A110.
- EXISTING LADDER TO REMAIN. PROVIDE NEW LIQUID FLASHING AT ALL PENETRATION POINTS. SEE DETAIL 8/A110.
- EXISTING GREASE GUARDS (GG) TO REMAIN. PROVIDE NEW FILTERS. PROVIDE NEW THERMOPLASTIC SLIPSHEET.
- CONTRACTOR TO VERIFY PURPOSE OF EXISTING PIPE. IF IT IS DETERMINED TO BE A DRAIN TUBE, CONTRACTOR IS TO CAP IT OFF. IF IT IS DETERMINED TO BE A VENT PIPE, CONTRACTOR IS TO PROVIDE A NEW PVC EXTENSION PIPE AND NEW PRE-MOLDED FLASHING.
- EXISTING STEEL SUPPORTS FOR ADJACENT ROOF AREA ON TOP OF EXISTING CONCRETE DECK TO REMAIN. CONTRACTOR TO ASSUME THIS CONDITION EXISTS IN OTHER PLACES ON ROOF AREA FOUR, ADJACENT TO ROOF AREA THREE.
- PROVIDE NEW ALUMINUM MAN LADDER. SEE DETAIL 1/A111.
- REMOVE EXISTING FASCIA AND FASCIA EXTENDER AND PROVIDE NEW METAL FASCIA AND FASCIA EXTENDER.
- EXISTING I-BEAM TO REMAIN. BOX IT IN WITH NEW PLYWOOD AND TAKE NEW MEMBRANE UP AND OVER.
- EXISTING ROOF SUMP TO BE REMOVED, CAP EXISTING DRAIN LINE AND PATCH DECK AS NECESSARY. SEE DETAIL 5/A111.
- EXISTING WOOD BLOCKING EXPANSION JOINT TO REMAIN.
- PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION AND FULLY ADHERED THERMOPLASTIC MEMBRANE.
- PROVIDE NEW (1) LAYER 2" ADHESIVELY ADHERED RIGID INSULATION, (1) LAYER 2" ADHESIVELY ADHERED RIGID INSULATION AND FULLY ADHERED THERMOPLASTIC MEMBRANE.
- PROVIDE NEW (1) LAYER ADHESIVELY ADHERED 2" RIGID INSULATION, (1) LAYER 1/2 (8" START THICKNESS) ADHESIVELY ADHERED TAPERED INSULATION, AND NEW FULLY ADHERED THERMOPLASTIC MEMBRANE.
- PROVIDE NEW INTERLOCKING RUBBER WALKWAY PADS AS INDICATED ON DRAWING.
- PROVIDE NEW HEAT WELDED THERMOPLASTIC FLASHINGS AND STRIPPINGS.
- PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.



PROJECT ONE- ROOFING
BEN DAVIS HIGH SCHOOL
1200 N GIRLS SCHOOL RD,
INDIANAPOLIS, INDIANA 46214

PARTIAL ROOF PLAN
BEN DAVIS HIGH SCHOOL
SCALE: 3/32"=1'-0"



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

DRAWING TITLE:

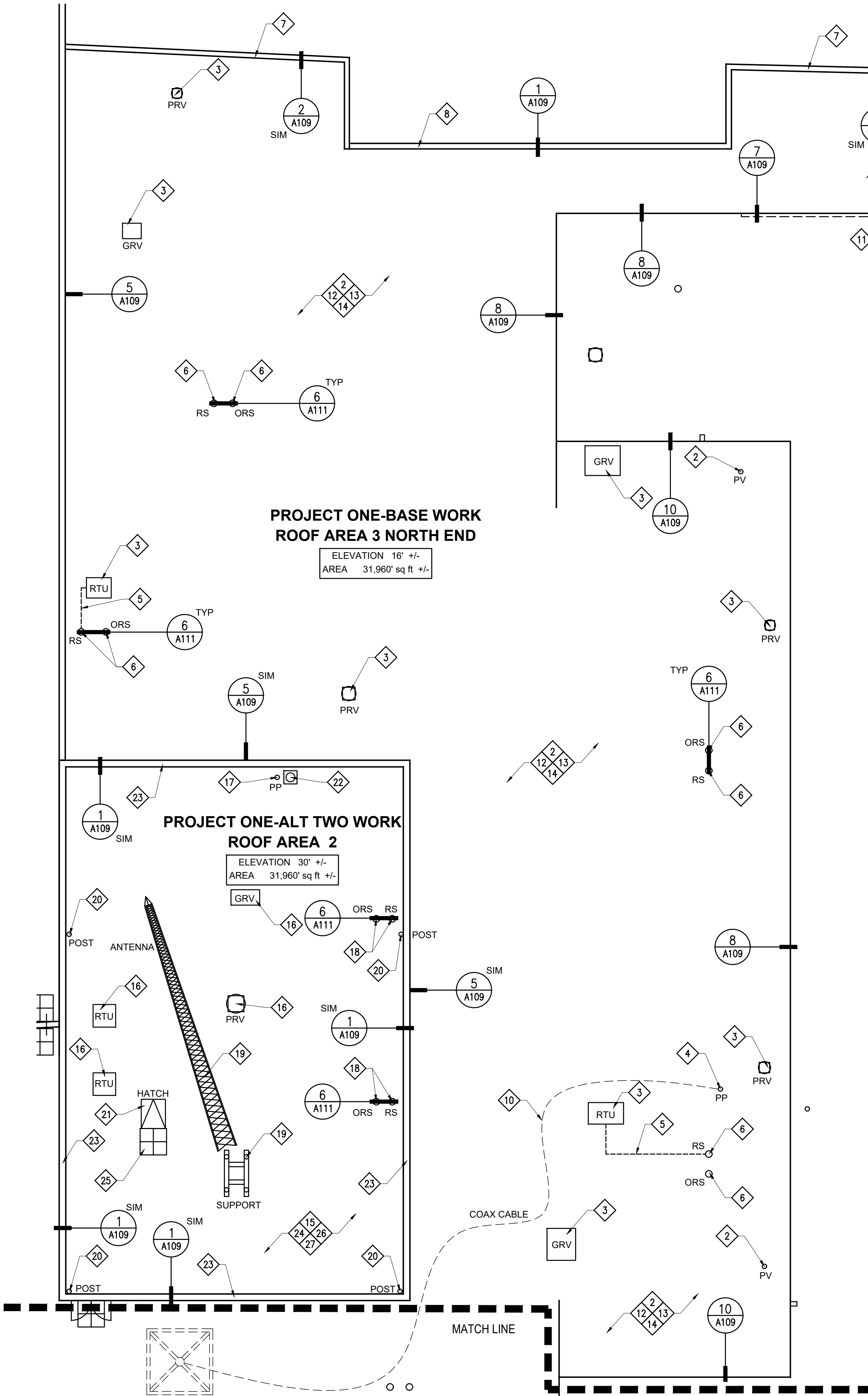
BEN DAVIS
HIGH SCHOOL
PARTIAL ROOF PLAN

SHEET NUMBER:

A101

EXISTING ROOF SYSTEM LEGEND:

Roof Areas 2 & 3
Deck: Metal
Vapor Retarder: N/A
Insulation: 4" Polyisocyanurate
Membrane: Mechanically Attached EPDM
Flashings: EPDM
Surfacing: N/A



GENERAL ROOF PLAN NOTES:

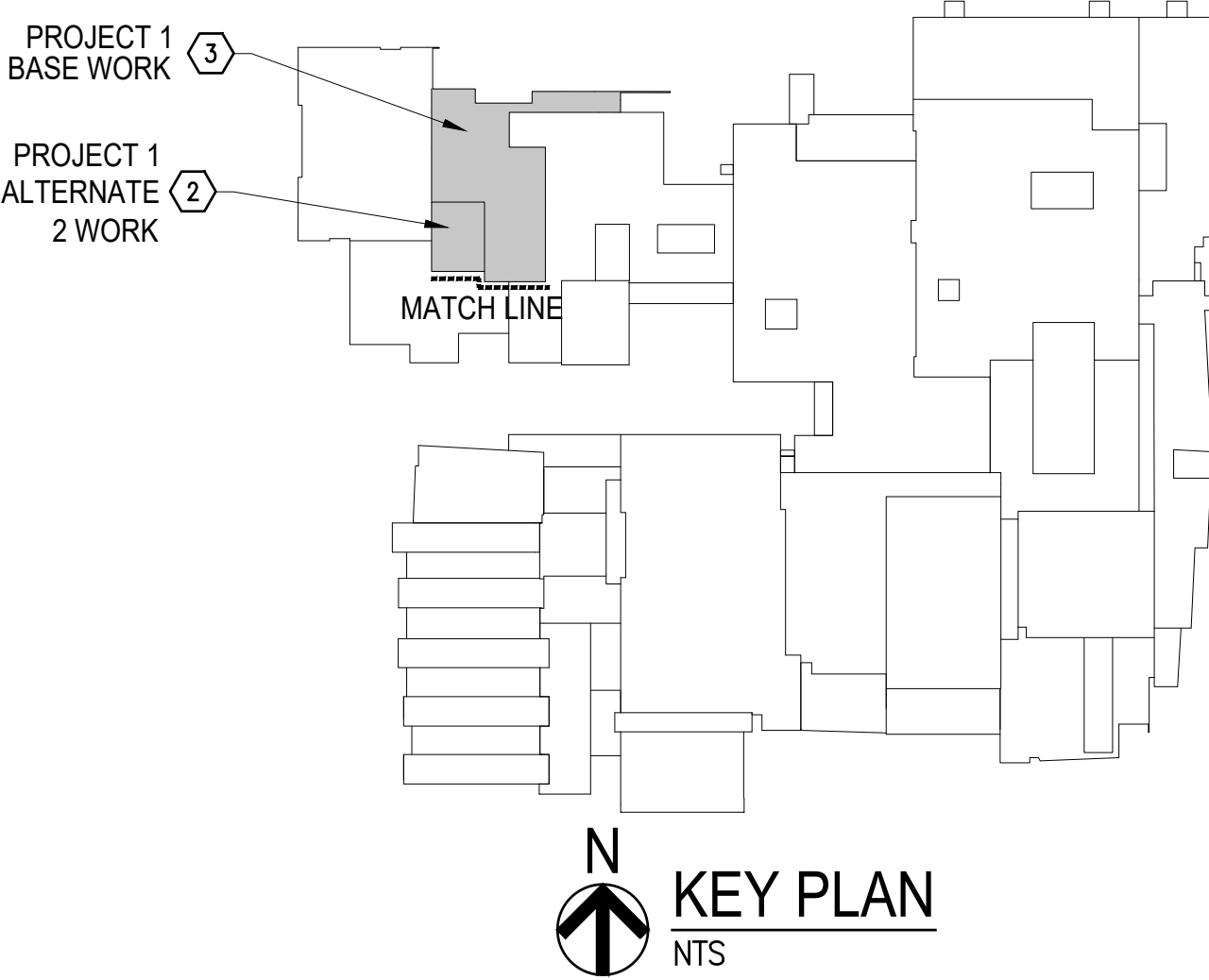
- A. ROOFING CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING DIMENSIONS, CONDITIONS AND DETAILS THAT MAY AFFECT THIS WORK.
- B. ROOFING CONTRACTOR IS TO INSPECT EXISTING METAL DECKS FOR ANY DAMAGE AND/OR DETERIORATION. ROOFING CONTRACTOR IS TO DOCUMENT, REPORT AND CORRECT ANY UNSATISFACTORY CONDITIONS PRIOR TO INSTALLING NEW ROOF SYSTEM.
- C. ROOFING CONTRACTOR IS TO VERIFY THAT ALL EXISTING PLUMBING VENTS TO REMAIN WILL ACCOMMODATE A MINIMUM 8" FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO ADJUST AND EXTEND ANY THAT WOULD FAIL TO MEET THE 8" MINIMUM FLASHING HEIGHT.
- D. ROOF CONTRACTOR IS TO VERIFY THAT ALL EXISTING ROOF TOP EQUIPMENT THAT IS TO REMAIN WILL ACCOMMODATE A MINIMUM 12" BASE FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO RAISE ANY OR ALL UNITS THAT FAIL TO MEET THE 12" MINIMUM FLASHING HEIGHT. EXTEND ANY/OR ALL EXISTING DUCTWORK AND WIRING TO ACCOMMODATE NEW HEIGHT OF UNIT - DON'T STRETCH EXISTING WIRING TO ACCOMMODATE NEW HEIGHT.
- E. ROOFING CONTRACTOR IS TO INSPECT ALL EXISTING ROOF DRAINS FOR DAMAGE OR MISSING COMPONENTS AND REPLACE WITH NEW IF ANY COMPONENTS ARE DAMAGED OR MISSING. ALL EXISTING PLASTIC OR MISSING ROOF SUMP STRAINERS (IF ANY) ARE TO BE REMOVED AND REPLACED WITH NEW CAST IRON STRAINERS.
- F. UPON COMPLETION OF ROOF WORK CONTRACTOR IS TO WATER TEST ALL ROOF SUMPS TO ENSURE THEY ARE OPEN AND DRAIN PROPERLY.

ROOF PLAN SCOPE OF WORK:
BASE WORK ROOF AREA 3

- 1 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- 2 REMOVE ALL EXISTING PLUMBING VENT (PV) FLASHINGS AND PROVIDE NEW PRE-MOLDED FLASHINGS. SEE DETAIL 5/A110.
- 3 EXG POWER ROOF VENTS (PRV), GRAVITY ROOF VENTS (GRV), VENTS AND ROOFTOP UNITS (RTU) TO REMAIN. SEE DETAIL 3/A110.
- 4 REMOVE EXISTING PIPE PENETRATION AND PATCH DECK. SEE DETAIL 3/A111.
- 5 PROVIDE NEW PVC DRIP LINE AT ROOF TOP UNIT DRAIN.
- 6 EXISTING (4) ROOF SUMPS AND (4) OVERFLOW ROOF SUMPS TO REMAIN. RESET EXISTING CLAMPING RINGS AND STRAINERS.
- 7 REMOVE EXISTING METAL COPING AND PROVIDE NEW METAL COPING.
- 8 EXISTING ALUCOBOND COPING TO REMAIN. PROVIDE NEW METAL COPING.
- 9 PROVIDE NEW COATED GUTTER FOR HEAT WELDING AND NEW PRE-FINISH GI DOWNSPOUT. PROVIDE NEW CONCRETE SPLASH BLOCK AT DOWNSPOUT DISCHARGE.
- 10 REMOVE EXISTING COAXIAL CABLES.
- 11 REMOVE EXISTING EXPANSION JOINT AND PROVIDE NEW WOOD BLOCKING EXPANSION JOINT.
- 12 PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION AND FULLY ADHERED THERMOPLASTIC MEMBRANE.
- 13 PROVIDE NEW HEAT WELDED THERMOPLASTIC FLASHINGS AND STRIPPINGS.
- 14 PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.

ALTERNATE 2 ROOF AREA 2

- 15 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- 16 EXISTING POWER ROOF VENTS (PRV) AND ROOFTOP UNITS (RTU) TO REMAIN. SEE DETAIL 3/A110.
- 17 EXISTING PIPE PENETRATION (PP) TO REMAIN. PROVIDE NEW LIQUID FLASHING. SEE DETAIL 8/A110.
- 18 EXISTING (2) ROOF SUMPS AND (2) OVERFLOW ROOF SUMPS TO REMAIN. RESET EXISTING CLAMPING RINGS AND STRAINERS.
- 19 REMOVE EXISTING ABANDONED ANTENNA, ANTENNA SUPPORTS, AND POSTS.
- 20 REMOVE EXISTING ABANDONED TOWER SUPPORT POSTS.
- 21 EXISTING ROOF HATCH/CURB TO REMAIN. RAISE EXISTING CURB TO MEET 12" MINIMUM FLASHING HEIGHT. PROVIDE NEW FALL PROTECTION RAILING SYSTEM AND LADDER UP SAFETY POST. SEE DETAIL 2/A110.
- 22 EXISTING RAIN GAGE AND BLOCK TO REMAIN. PROVIDE NEW WALKWAY PAD.
- 23 EXISTING ALUCOBOND COPING TO REMAIN. PROVIDE NEW METAL COPING.
- 24 PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION AND FULLY ADHERED THERMOPLASTIC MEMBRANE.
- 25 PROVIDE NEW INTERLOCKING RUBBER WALKWAY PADS AS INDICATED ON DRAWING.
- 26 PROVIDE NEW HEAT WELDED THERMOPLASTIC FLASHINGS AND STRIPPINGS.
- 27 PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.



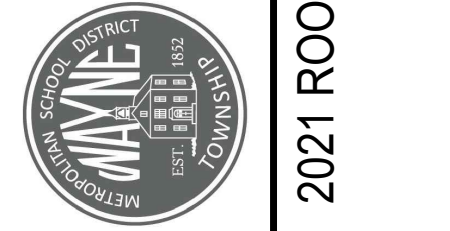
**PROJECT ONE- ROOFING
BEN DAVIS HIGH SCHOOL**
1200 N GIRLS SCHOOL RD,
INDIANAPOLIS, INDIANA 46214



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

DRAWING TITLE:
**BEN DAVIS
HIGH SCHOOL
PARTIAL ROOF PLAN**

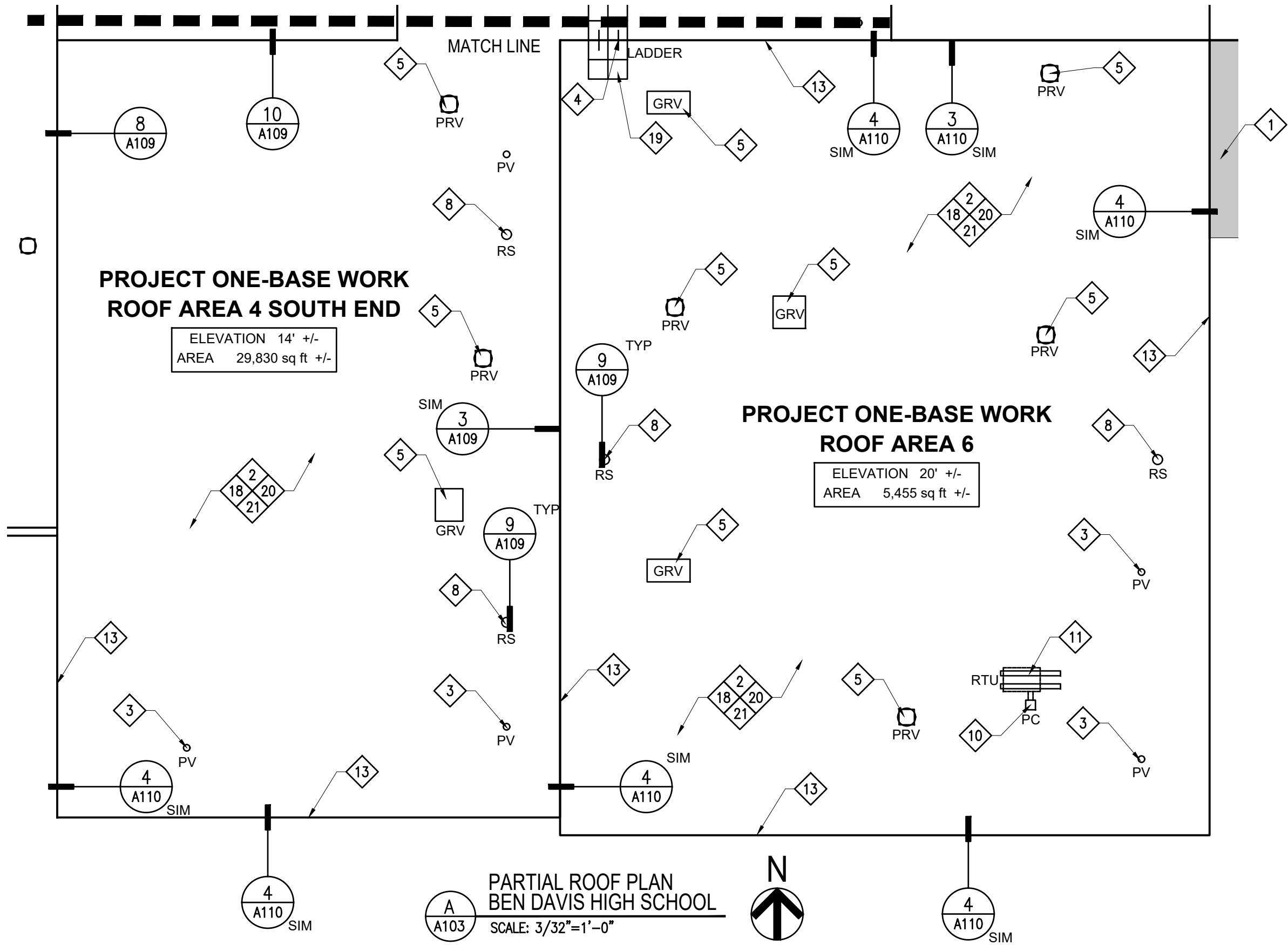
SHEET NUMBER:

A102

EXISTING ROOF SYSTEM LEGEND:

Roof Area 3		Roof Area 4	
Deck:	Metal	Deck:	Concrete
Vapor Retarder:	N/A	Vapor Retarder:	N/A
Insulation:	4" Polyisocyanurate	Insulation:	1" Wood Fiber Board over TPO over 2" Extruded Polystyrene
Membrane:	Mechanically Attached EPDM		Insulation over 1/2" Wood Fiber Board over 1" Gravel Surfaced Built Up Roofing over 2" Perlite
Flashings:	EPDM	Membrane:	Mechanically Attached EPDM
Surfacing:	N/A	Flashings:	EPDM
		Surfacing:	N/A

Roof Area 6	
Deck:	Concrete
Vapor Retarder:	N/A
Insulation:	1" Wood Fiber Board over TPO Membrane over 3" Extruded Polystyrene Insulation over 1/2" Gravel Surfaced Built Up Roofing over 1 1/2" Perlite
Membrane:	Mechanically Attached EPDM
Flashings:	EPDM
Surfacing:	N/A

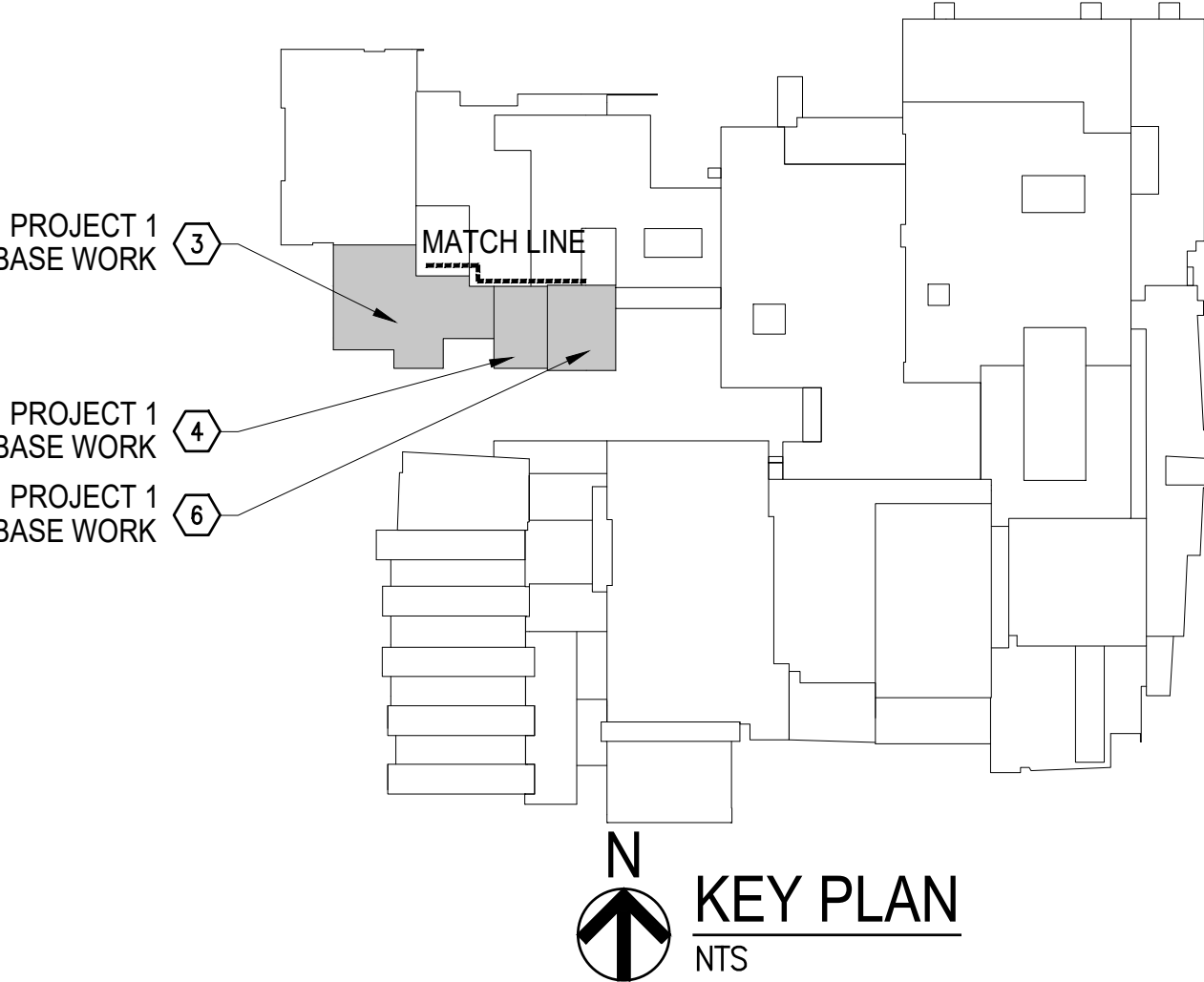


ROOF PLAN SCOPE OF WORK:
BASE WORK ROOF AREAS 3, 4, & 6

- NO WORK OR MATERIAL STORAGE IN THIS AREA.
- REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- REMOVE ALL EXISTING PLUMBING VENT (PV) FLASHINGS AND PROVIDE NEW PRE-MOLDED FLASHINGS. SEE DETAIL 5/A110.
- PROVIDE NEW ALUMINUM MAN LADDER. SEE DETAIL 1/A111.
- EXG POWER ROOF VENTS (PRV), GRAVITY ROOF VENTS (GRV), VENTS AND ROOFTOP UNITS (RTU) TO REMAIN. SEE DETAIL 3/A110.
- EXISTING FLUES AND HOT STACK (HS) TO REMAIN. REMOVE EXISTING FLASHING AND RAIN COLLAR AND PROVIDE NEW. SEE DETAIL 6/A110.
- EXG (4) ROOF SUMPS AND (4) OVERFLOW ROOF SUMPS TO REMAIN. RESET EXG CLAMPING RINGS AND STRAINERS.
- EXG (4) ROOF SUMPS (RS) TO REMAIN. RESET EXG CLAMPING RINGS AND STRAINERS.
- REMOVE EXISTING METAL COPING AND PROVIDE NEW METAL COPING.
- REMOVE EXISTING PENETRATION CURB (PC) AND PROVIDE NEW PENETRATION CURB AND EPDM BOOTS. SEE DETAIL 7/A110.
- EXISTING ROOFTOP UNITS (RTU) TO REMAIN. REMOVE EXISTING EQUIPMENT RAILS AND PROVIDE NEW NON-PENETRATING SUPPORT PLATFORM. SEE DETAIL 2/A111.
- EXISTING LADDER TO REMAIN.
- REMOVE EXISTING FASCIA AND FASCIA EXTENDER. PROVIDE NEW METAL FASCIA AND FASCIA EXTENDER.
- REMOVE EXISTING NON-PENETRATING SATELLITE.
- REMOVE EXISTING COAXIAL CABLES.
- REMOVE EXISTING ABANDONED PIPE PENETRATION AND PATCH DECK. SEE DETAIL 3/A111.
- PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION AND FULLY ADHERED THERMOPLASTIC MEMBRANE.
- PROVIDE NEW (1) LAYER 2" ADHESIVELY ADHERED RIGID INSULATION, (1) LAYER 2" ADHESIVELY ADHERED RIGID INSULATION AND FULLY ADHERED THERMOPLASTIC MEMBRANE.
- PROVIDE NEW INTERLOCKING RUBBER WALKWAY PADS AS INDICATED ON DRAWING.
- PROVIDE NEW HEAT WELDED THERMOPLASTIC FLASHINGS AND STRIPPINGS.
- PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.

GENERAL ROOF PLAN NOTES:

- ROOFING CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING DIMENSIONS, CONDITIONS AND DETAILS THAT MAY AFFECT THIS WORK.
- ROOFING CONTRACTOR IS TO INSPECT EXISTING CONCRETE AND METAL DECKS FOR ANY DAMAGE AND/OR DETERIORATION. ROOFING CONTRACTOR IS TO DOCUMENT, REPORT AND CORRECT ANY UNSATISFACTORY CONDITIONS PRIOR TO INSTALLING NEW ROOF SYSTEM.
- ROOFING CONTRACTOR IS TO VERIFY THAT ALL EXISTING PLUMBING VENTS TO REMAIN WILL ACCOMMODATE A MINIMUM 8" FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO ADJUST AND EXTEND ANY THAT WOULD FAIL TO MEET THE 8" MINIMUM FLASHING HEIGHT.
- ROOF CONTRACTOR IS TO VERIFY THAT ALL EXISTING ROOF TOP EQUIPMENT THAT IS TO REMAIN WILL ACCOMMODATE A MINIMUM 12" BASE FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO RAISE ANY OR ALL UNITS THAT FAIL TO MEET THE 12" MINIMUM FLASHING HEIGHT. EXTEND ANY/OR ALL EXISTING DUCTWORK AND WIRING TO ACCOMMODATE NEW HEIGHT OF UNIT - DON'T STRETCH EXISTING WIRING TO ACCOMMODATE NEW HEIGHT.
- ROOFING CONTRACTOR IS TO INSPECT ALL EXISTING ROOF DRAINS FOR DAMAGE OR MISSING COMPONENTS AND REPLACE WITH NEW IF ANY COMPONENTS ARE DAMAGED OR MISSING. ALL EXISTING PLASTIC OR MISSING ROOF SUMP STRAINERS (IF ANY) ARE TO BE REMOVED AND REPLACED WITH NEW CAST IRON STRAINERS.
- UPON COMPLETION OF ROOF WORK CONTRACTOR IS TO WATER TEST ALL ROOF SUMPS TO ENSURE THEY ARE OPEN AND DRAIN PROPERLY.



PROJECT ONE- ROOFING
BEN DAVIS HIGH SCHOOL
1200 N GIRLS SCHOOL RD,
INDIANAPOLIS, INDIANA 46214



Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

PROJECT TITLE:
WE ARE WAYNE!
GREAT SCHOOLS • GREAT COMMUNITY
2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and conditions. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:
200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

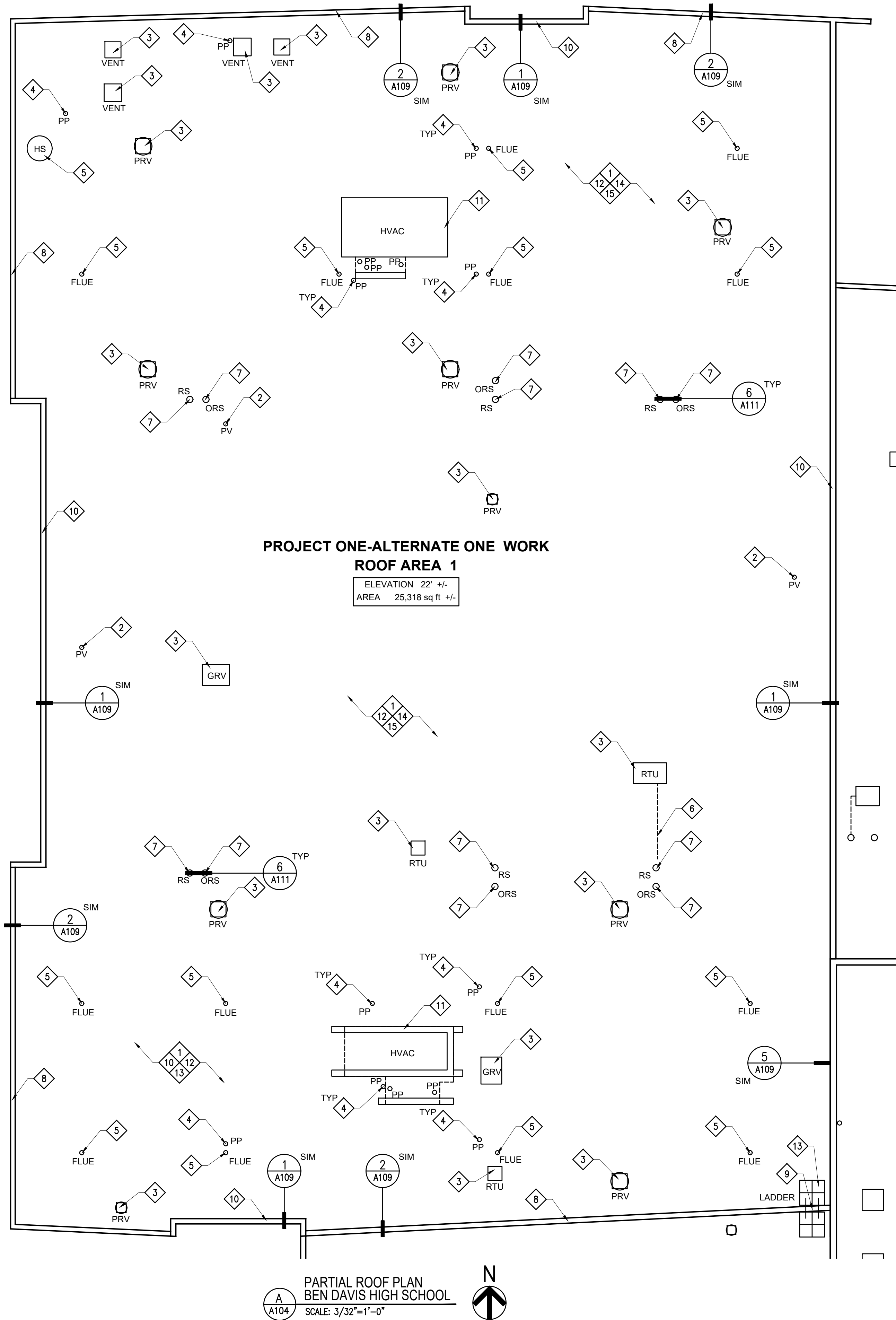
DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

DRAWING TITLE:
**BEN DAVIS
HIGH SCHOOL
PARTIAL ROOF PLAN**

SHEET NUMBER:
A103

EXISTING ROOF SYSTEM LEGEND:

Roof Area 1	
Deck:	Metal
Vapor Retarder:	N/A
Insulation:	4" Polyisocyanurate
Membrane:	Mechanically Attached EPDM
Flashings:	EPDM
Surfacing:	N/A

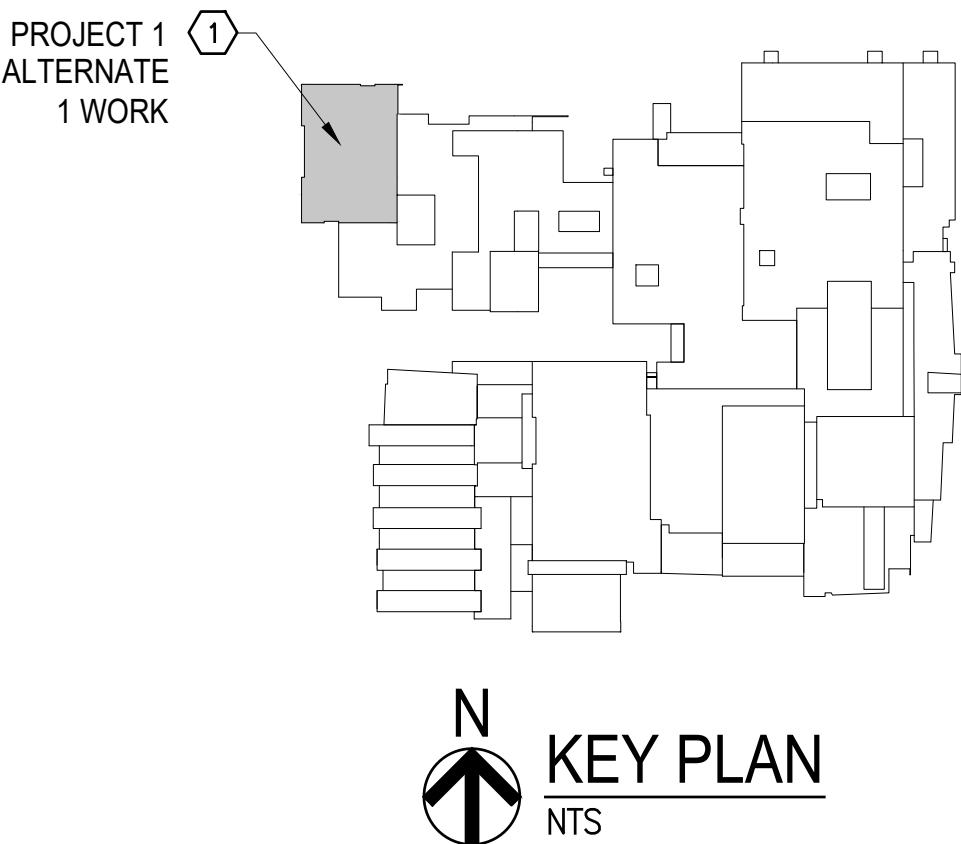


ROOF PLAN SCOPE OF WORK:
ALTERNATE 1 ROOF AREA 1

- 1 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- 2 REMOVE ALL EXISTING PLUMBING VENT (PV) FLASHINGS AND PROVIDE NEW PRE-MOLDED FLASHINGS. SEE DETAIL 5/A110.
- 3 EXISTING POWER ROOF VENTS (PRV), GRAVITY ROOF VENTS (GRV), VENTS AND ROOFTOP UNITS (RTU) TO REMAIN. SEE DETAIL 3/A110.
- 4 EXISTING PIPE PENETRATION (PP) TO REMAIN. PROVIDE NEW LIQUID FLASHING. SEE DETAIL 8/A110.
- 5 EXISTING FLUES AND HOT STACK (HS) TO REMAIN. REMOVE EXISTING FLASHING AND RAIN COLLAR AND PROVIDE NEW. SEE DETAIL 6/A110.
- 6 PROVIDE NEW PVC DRIP LINE AT ROOF TOP UNIT DRAIN.
- 7 EXG (6) ROOF SUMPS AND (6) OVERFLOW ROOF SUMPS TO REMAIN. RESET EXG CLAMPING RINGS AND STRAINERS.
- 8 REMOVE EXISTING METAL COPING AND PROVIDE NEW METAL COPING.
- 9 EXISTING LADDER TO REMAIN.
- 10 EXISTING ALUCOBOND COPING TO REMAIN. PROVIDE NEW METAL COPING.
- 11 CONTRACTOR TO DISCONNECT, RAISE, AND RECONNECT EXISTING (2) HVAC UNIT. EXISTING EQUIPMENT RAILS TO REMAIN. PROVIDE NEW COUNTER FLASHING AND PRE-FINISH GI CAP.
- 12 PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION AND FULLY ADHERED THERMOPLASTIC MEMBRANE.
- 13 PROVIDE NEW INTERLOCKING RUBBER WALKWAY PADS AS INDICATED ON DRAWING.
- 14 PROVIDE NEW HEAT WELDED THERMOPLASTIC FLASHINGS AND STRIPPINGS.
- 15 PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.

GENERAL ROOF PLAN NOTES:

- A. ROOFING CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING DIMENSIONS, CONDITIONS AND DETAILS THAT MAY AFFECT THIS WORK.
- B. ROOFING CONTRACTOR IS TO INSPECT EXISTING METAL DECK FOR ANY DAMAGE AND/OR DETERIORATION. ROOFING CONTRACTOR IS TO DOCUMENT, REPORT AND CORRECT ANY UNSATISFACTORY CONDITIONS PRIOR TO INSTALLING NEW ROOF SYSTEM.
- C. ROOFING CONTRACTOR IS TO VERIFY THAT ALL EXISTING PLUMBING VENTS TO REMAIN WILL ACCOMMODATE A MINIMUM 8" FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO ADJUST AND EXTEND ANY THAT WOULD FAIL TO MEET THE 8" MINIMUM FLASHING HEIGHT.
- D. ROOF CONTRACTOR IS TO VERIFY THAT ALL EXISTING ROOF TOP EQUIPMENT THAT IS TO REMAIN WILL ACCOMMODATE A MINIMUM 12" BASE FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO RAISE ANY OR ALL UNITS THAT FAIL TO MEET THE 12" MINIMUM FLASHING HEIGHT. EXTEND ANY/OR ALL EXISTING DUCTWORK AND WIRING TO ACCOMMODATE NEW HEIGHT OF UNIT - DON'T STRETCH EXISTING WIRING TO ACCOMMODATE NEW HEIGHT.
- E. ROOFING CONTRACTOR IS TO INSPECT ALL EXISTING ROOF DRAINS FOR DAMAGE OR MISSING COMPONENTS AND REPLACE WITH NEW IF ANY COMPONENTS ARE DAMAGED OR MISSING. ALL EXISTING PLASTIC OR MISSING ROOF SUMP STRAINERS (IF ANY) ARE TO BE REMOVED AND REPLACED WITH NEW CAST IRON STRAINERS.
- F. UPON COMPLETION OF ROOF WORK CONTRACTOR IS TO WATER TEST ALL ROOF SUMPS TO ENSURE THEY ARE OPEN AND DRAIN PROPERLY.



PROJECT ONE- ROOFING
BEN DAVIS HIGH SCHOOL
1200 N GIRLS SCHOOL RD,
INDIANAPOLIS, INDIANA 46214



www.eticagroup.com

Corporate Office
1712 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and conditions. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

DRAWING TITLE:
BEN DAVIS
HIGH SCHOOL
PARTIAL ROOF PLAN

SHEET NUMBER:

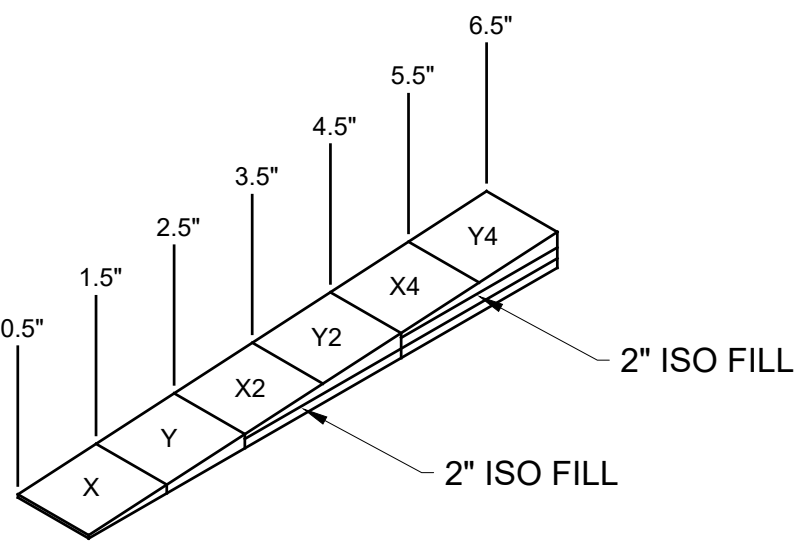
A104

1/4:12 TAPER SADDLE PANEL SCHEDULE				
X	TAPERED	0.50"-1.5"	4'x4'	1/4"/FT
Y	TAPERED	1.5"-2.5"	4'x4'	1/4"/FT
2"	FILL	2"	4'x4'	FLAT

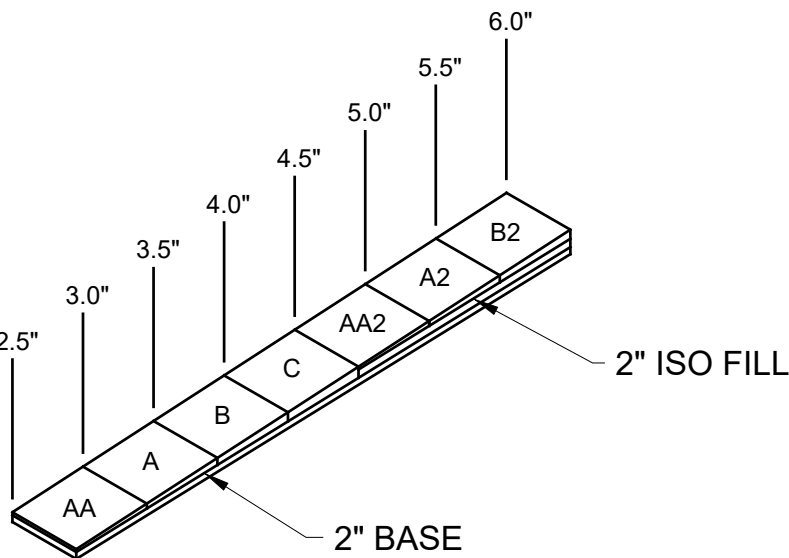
1/8:12 TAPER INSULATION PANEL SCHEDULE				
AA	TAPERED	1.0"-1.5"	4'x4'	1/8"/FT
A	TAPERED	1.5"-2.0"	4'x4'	1/8"/FT
B	TAPERED	2.0"-2.5"	4'x4'	1/8"/FT
C	TAPERED	2.5"-3.0"	4'x4'	1/8"/FT
2"	FILL	2"	4'x4'	FLAT
1.5"	BASE	2"	4'x4'	FLAT

TAPER INSULATION ROOF PLAN - SCOPE OF WORK:

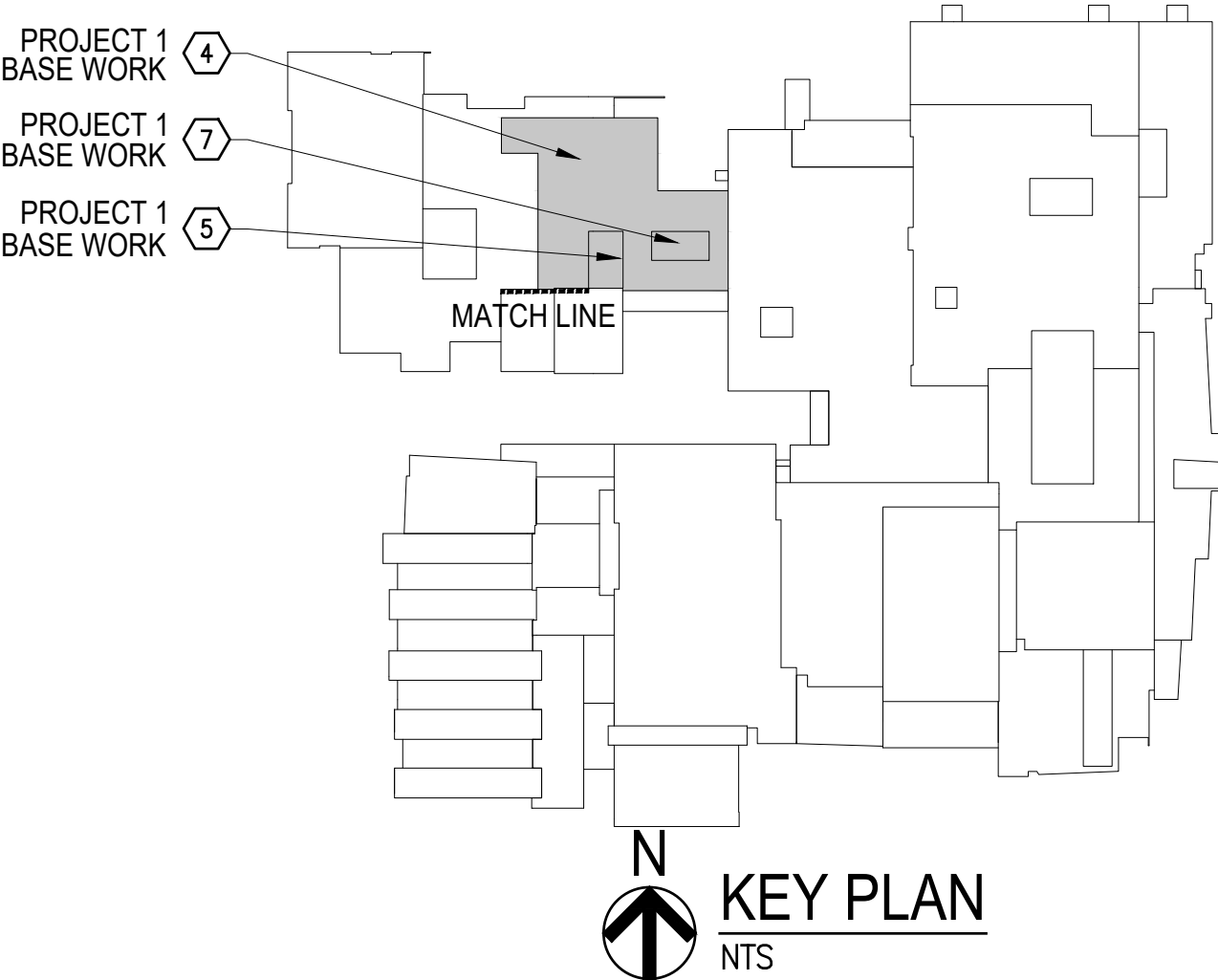
- 1 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- 2 AFTER EXISTING ROOF SYSTEM IS REMOVED, ROOFING CONTRACTOR IS TO VERIFY THAT EXISTING DECK IS LEVEL. IF ANY DEFLECTION IS FOUND THAT WILL AFFECT DRAINAGE, THE ROOFING CONTRACTOR IS TO FILL THOSE AREAS IN ORDER TO PROVIDE A LEVEL SURFACE PRIOR TO INSTALLING ANY NEW ROOF INSULATION.
- 3 PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION AND FULLY ADHERED THERMOPLASTIC MEMBRANE.
- 4 PROVIDE NEW (1) LAYER 2" ADHESIVELY ADHERED RIGID INSULATION, (1) LAYER 2" ADHESIVELY ADHERED RIGID INSULATION AND FULLY ADHERED THERMOPLASTIC MEMBRANE.
- 5 PROVIDE NEW (1) LAYER ADHESIVELY ADHERED RIGID INSULATION, (1) LAYER 1/2" (1/2" START THICKNESS) ADHESIVELY ADHERED TAPERED INSULATION, AND NEW THERMOPLASTIC MEMBRANE.
- 6 PROVIDE NEW 1/4:12 ADHESIVELY ADHERED TAPERED INSULATION SADDLE.
- 7 PROVIDE NEW TAPERED EDGE STRIPS AT THE BASE OF ALL SADDLES TO PROVIDE SMOOTH TRANSITION.



1/4" PER FT. TAPER SADDLE CROSS-SECTION
SCALE: NTS



1/8" PER FT. TAPER INSULATION CROSS-SECTION
SCALE: NTS



PROJECT ONE- ROOFING
BEN DAVIS HIGH SCHOOL
1200 N GIRLS SCHOOL RD,
INDIANAPOLIS, INDIANA 46214



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

WE ARE WAYNE!
GREAT SCHOOLS • GREAT COMMUNITY



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and conditions. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

DRAWING TITLE:

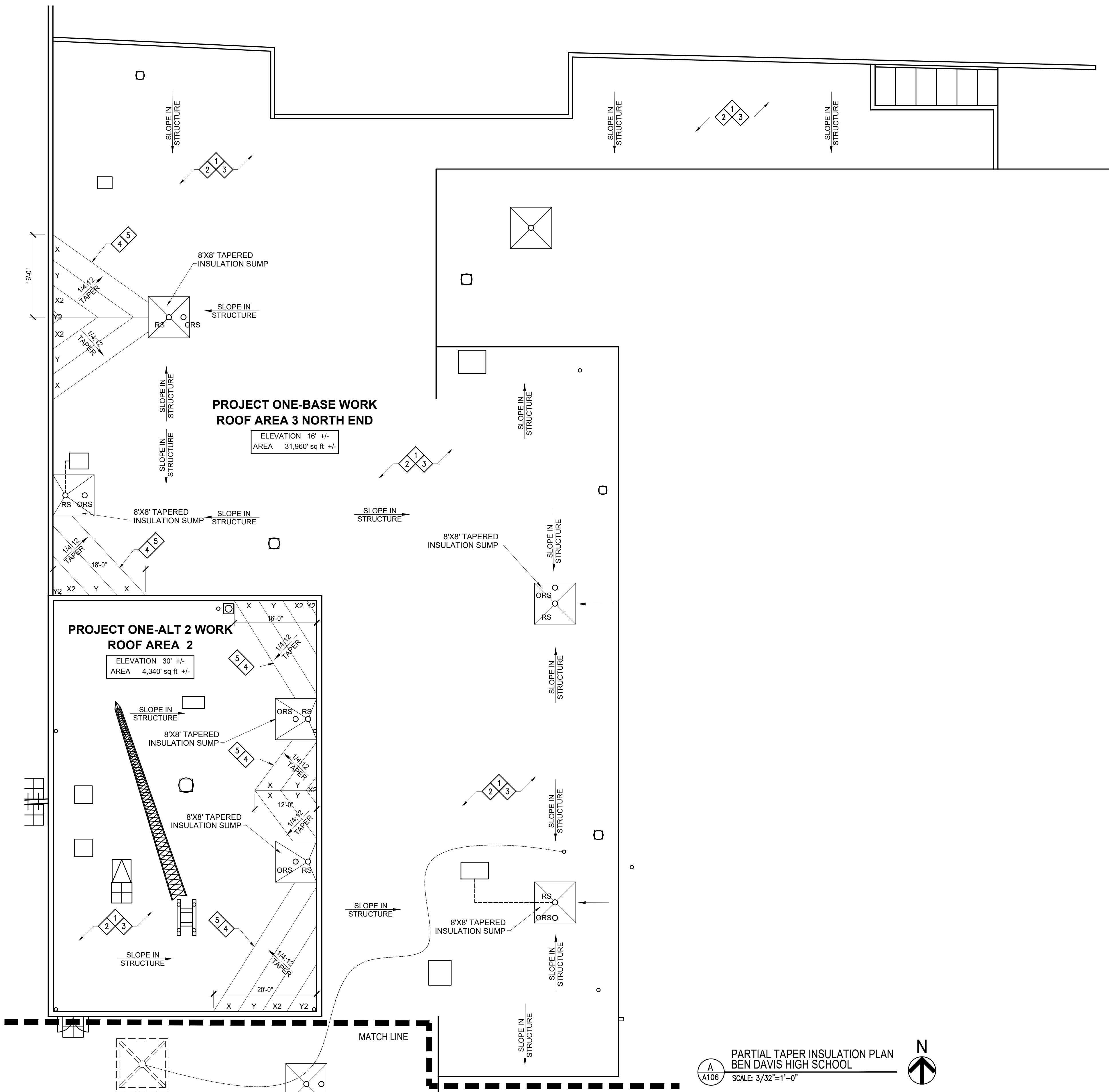
BEN DAVIS
HIGH SCHOOL
PARTIAL TAPER
INSULATION PLAN

SHEET NUMBER:

A105

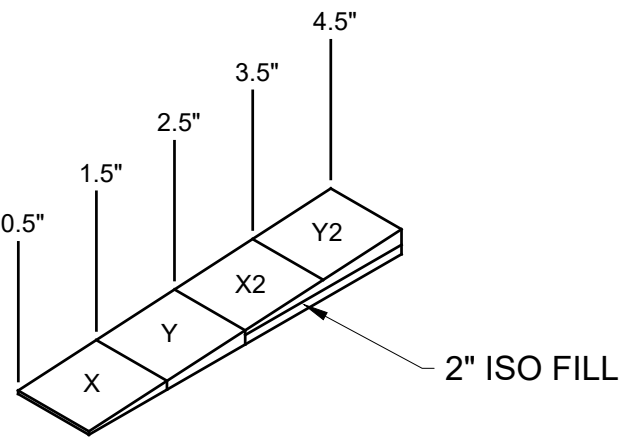
PARTIAL TAPER INSULATION PLAN
BEN DAVIS HIGH SCHOOL
SCALE: 3/32"=1'-0"





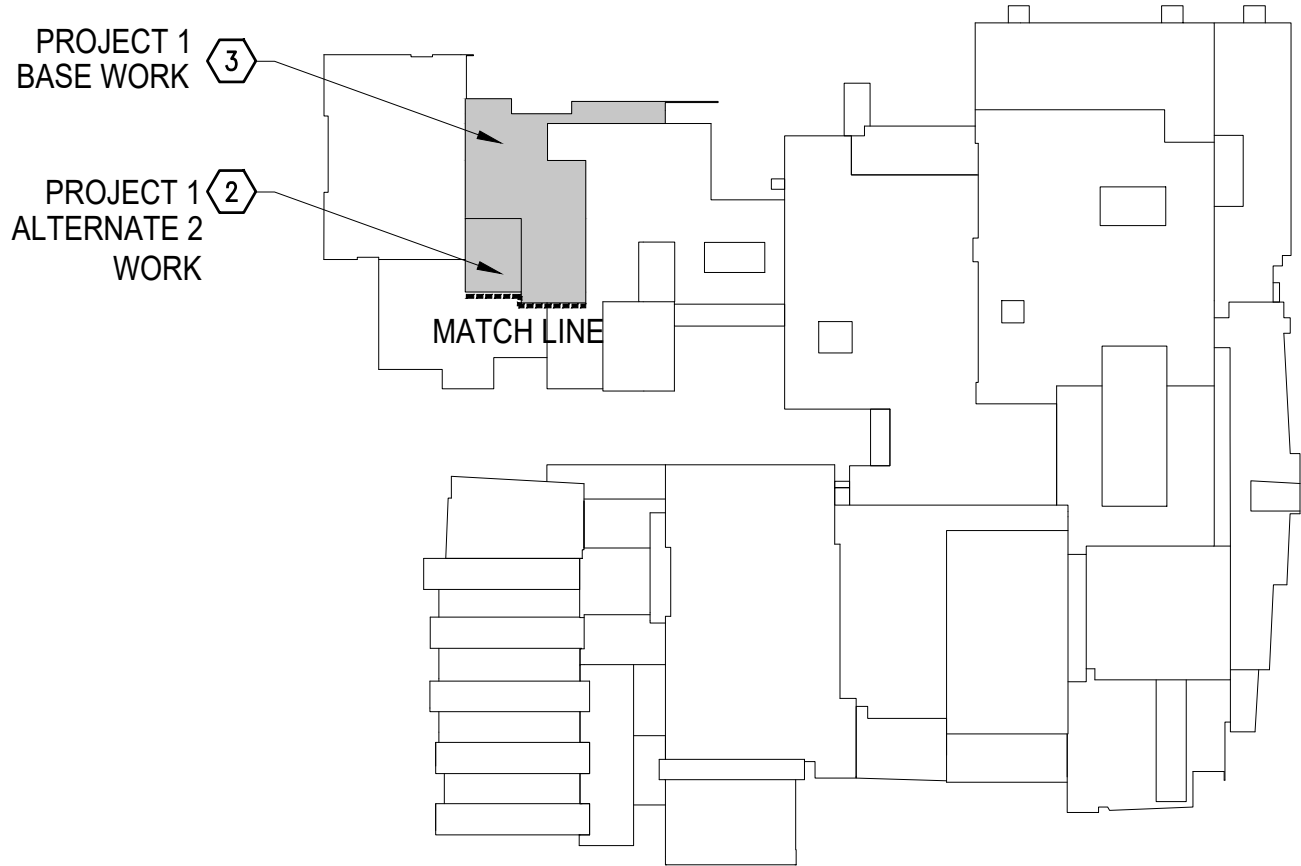
TAPER INSULATION ROOF PLAN - SCOPE OF WORK:

- 1 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- 2 AFTER EXISTING ROOF SYSTEM IS REMOVED, ROOFING CONTRACTOR IS TO VERIFY THAT EXISTING DECK IS LEVEL. IF ANY DEFLECTION IS FOUND THAT WILL AFFECT DRAINAGE, THE ROOFING CONTRACTOR IS TO FILL THOSE AREAS IN ORDER TO PROVIDE A LEVEL SURFACE PRIOR TO INSTALLING ANY NEW ROOF INSULATION.
- 3 PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION AND FULLY ADHERED THERMOPLASTIC MEMBRANE.
- 4 PROVIDE NEW 1/4:12 ADHESIVELY ADHERED TAPERED INSULATION SADDLE.
- 5 PROVIDE NEW TAPERED EDGE STRIPS AT THE BASE OF ALL SADDLES TO PROVIDE SMOOTH TRANSITION.



1/4" PER FT. TAPER SADDLE CROSS-SECTION
SCALE: NTS

1/4:12 TAPER SADDLE PANEL SCHEDULE				
X	TAPERED	0.50"-1.5"	4'x4'	1/4"/FT
Y	TAPERED	1.5"-2.5"	4'x4'	1/4"/FT
2"	FILL	2"	4'x4'	FLAT



PROJECT ONE- ROOFING
BEN DAVIS HIGH SCHOOL
1200 N GIRLS SCHOOL RD,
INDIANAPOLIS, INDIANA 46214



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

WE ARE WAYNE!
GREAT SCHOOLS. GREAT COMMUNITY.



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and conditions. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

DRAWING TITLE:

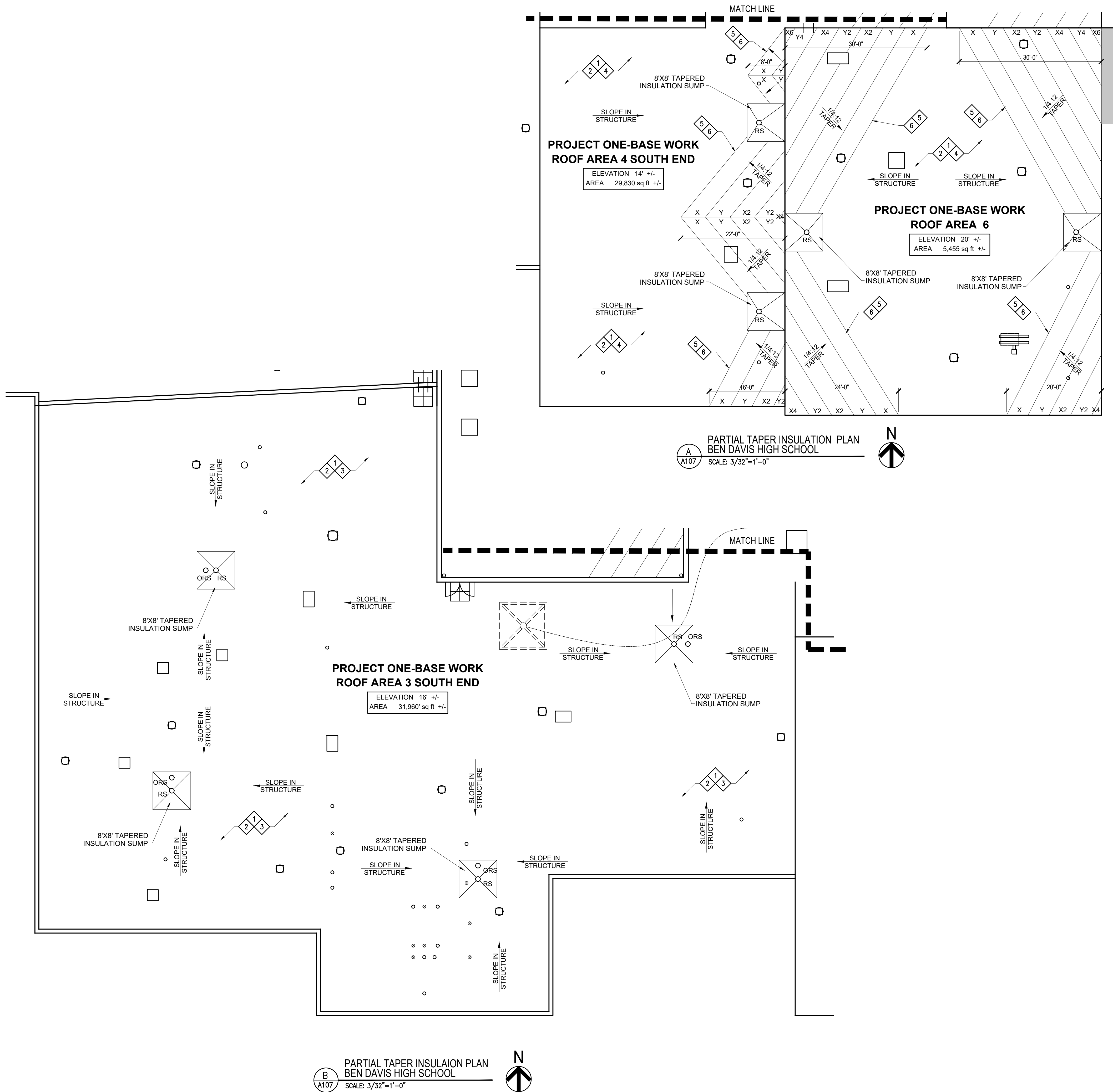
**BEN DAVIS
HIGH SCHOOL
PARTIAL TAPER
INSULATION PLAN**

SHEET NUMBER:

A106

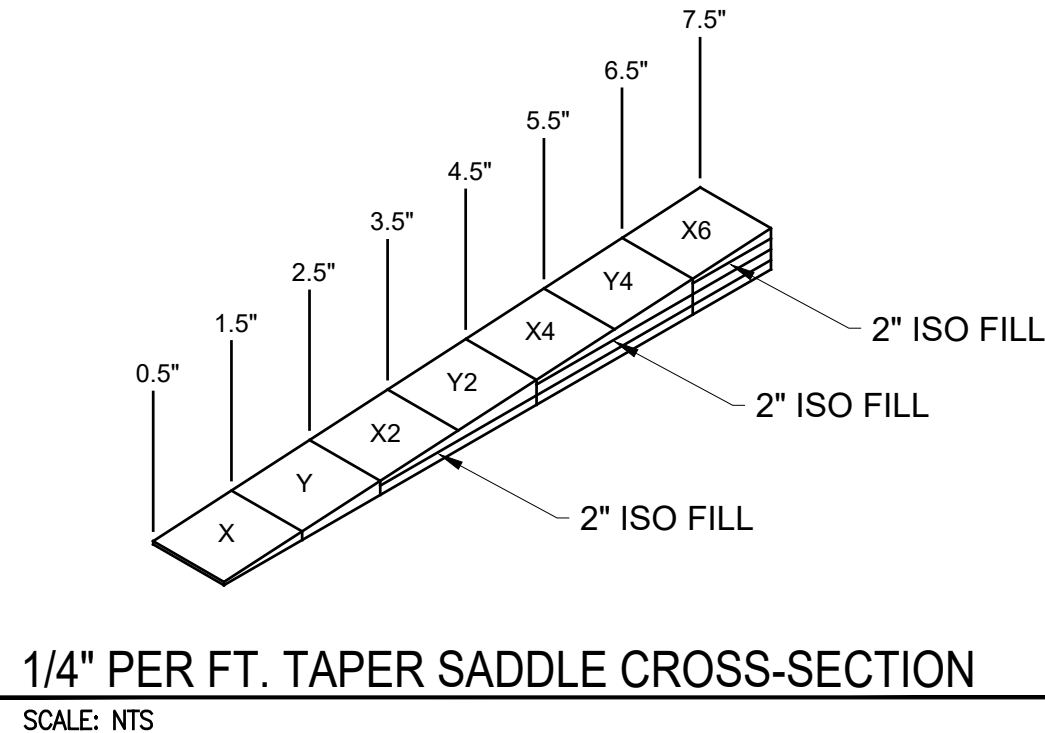
PARTIAL TAPER INSULATION PLAN
BEN DAVIS HIGH SCHOOL
SCALE: 3/32"=1'-0"



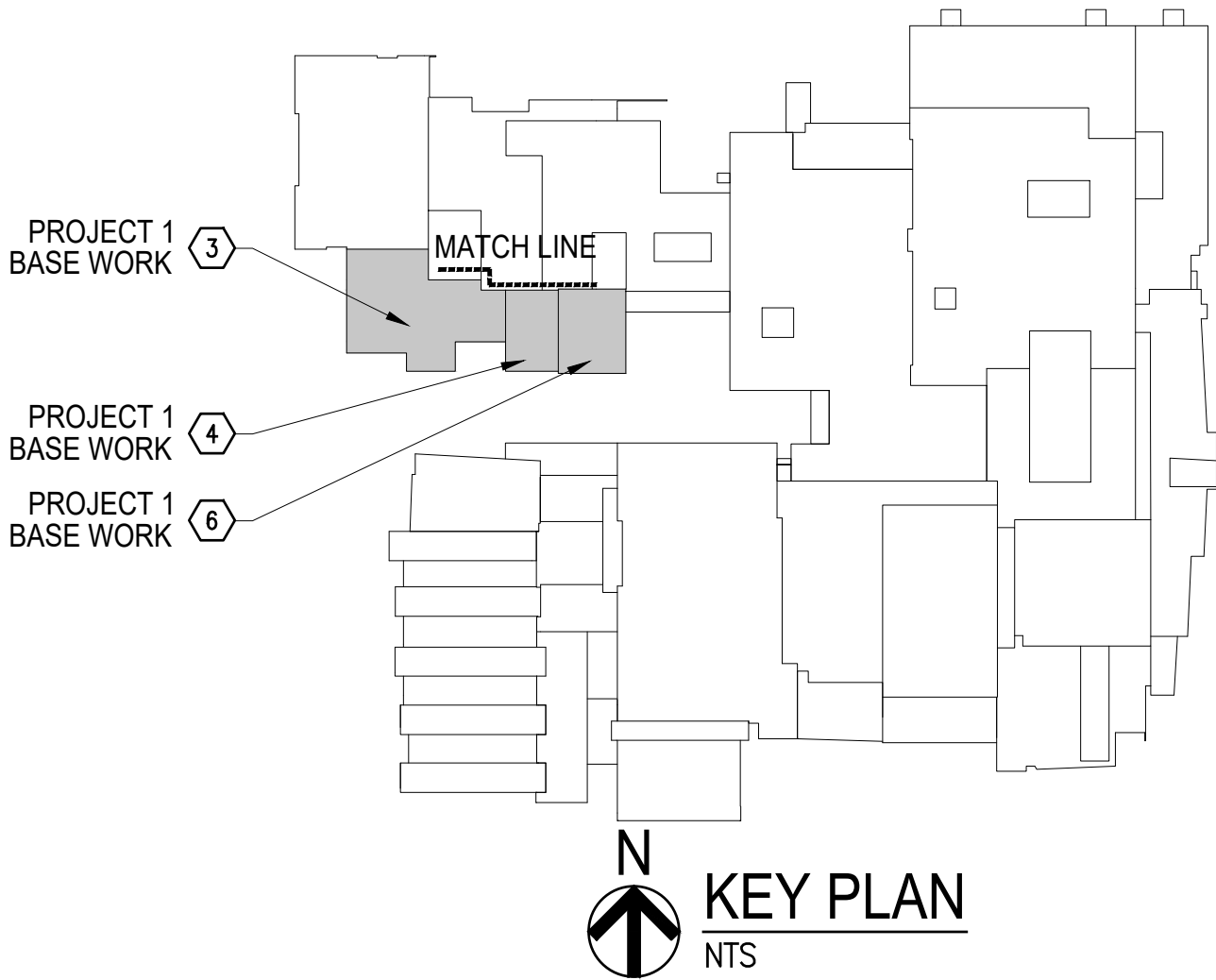


TAPER INSULATION ROOF PLAN - SCOPE OF WORK:

- 1 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, ASPHALTIC MATERIAL AND STRIPPINGS.
- 2 AFTER EXISTING ROOF SYSTEM IS REMOVED, ROOFING CONTRACTOR IS TO VERIFY THAT EXISTING DECK IS LEVEL. IF ANY DEFLECTION IS FOUND THAT WILL AFFECT DRAINAGE, THE ROOFING CONTRACTOR IS TO FILL THOSE AREAS IN ORDER TO PROVIDE A LEVEL SURFACE PRIOR TO INSTALLING ANY NEW ROOF INSULATION.
- 3 PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION AND FULLY ADHERED THERMOPLASTIC MEMBRANE.
- 4 PROVIDE NEW (1) LAYER 2" ADHESIVELY ADHERED RIGID INSULATION, (1) LAYER 2" ADHESIVELY ADHERED RIGID INSULATION AND FULLY ADHERED THERMOPLASTIC MEMBRANE.
- 5 PROVIDE NEW 1/4:12 ADHESIVELY ADHERED TAPERED INSULATION SADDLE.
- 6 PROVIDE NEW TAPERED EDGE STRIPS AT THE BASE OF ALL SADDLES TO PROVIDE SMOOTH TRANSITION.



1/4:12 TAPER SADDLE PANEL SCHEDULE				
X	TAPERED	0.50"-1.5"	4'x4'	1/4"/FT
Y	TAPERED	1.5"-2.5"	4'x4'	1/4"/FT
2"	FILL	2"	4'x4'	FLAT



PROJECT ONE- ROOFING
BEN DAVIS HIGH SCHOOL
1200 N GIRLS SCHOOL RD,
INDIANAPOLIS, INDIANA 46214



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

WE ARE WAYNE!
GREAT SCHOOLS • GREAT COMMUNITY



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and conditions. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

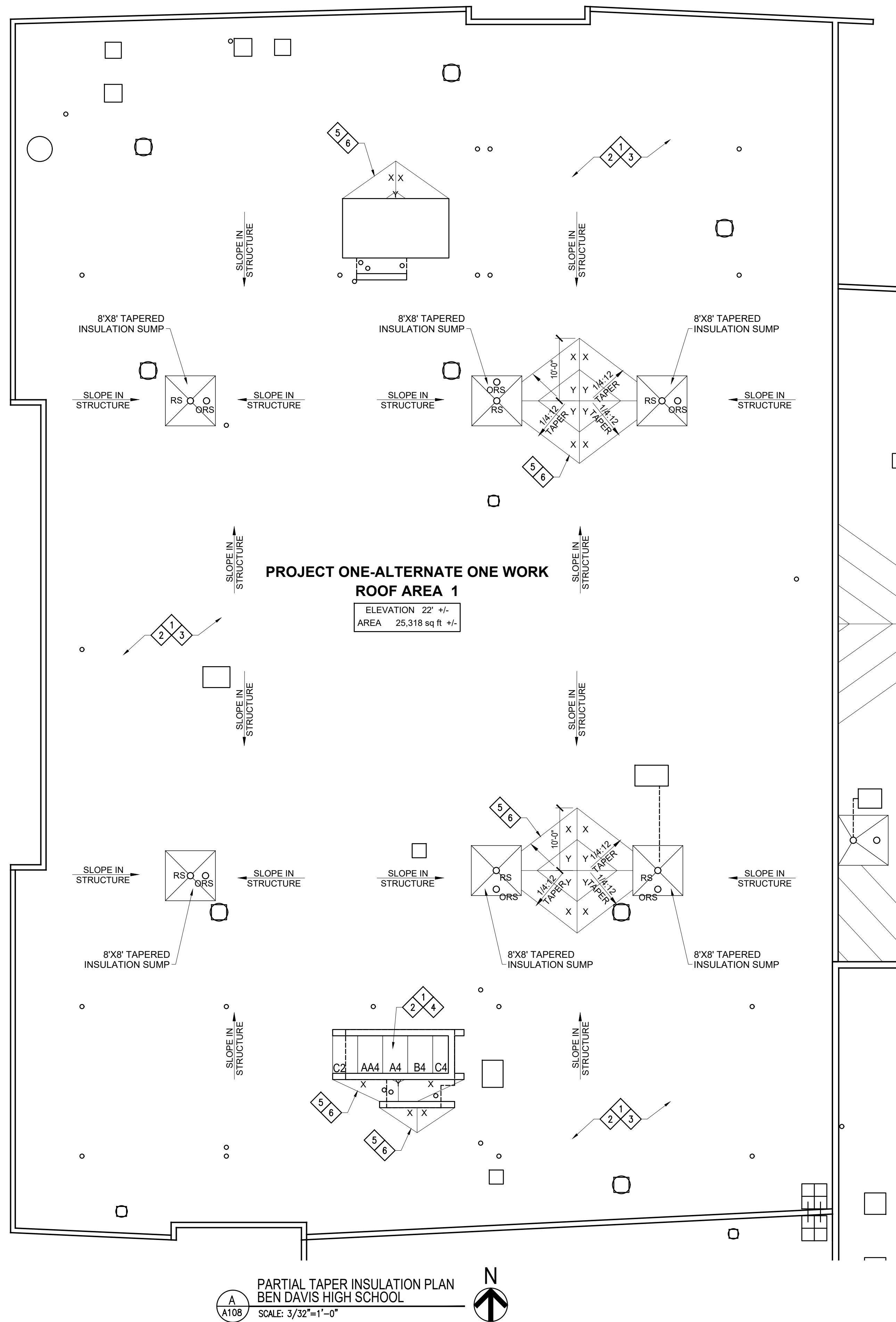
DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

**BEN DAVIS
HIGH SCHOOL
PARTIAL TAPER
INSULATION PLAN**

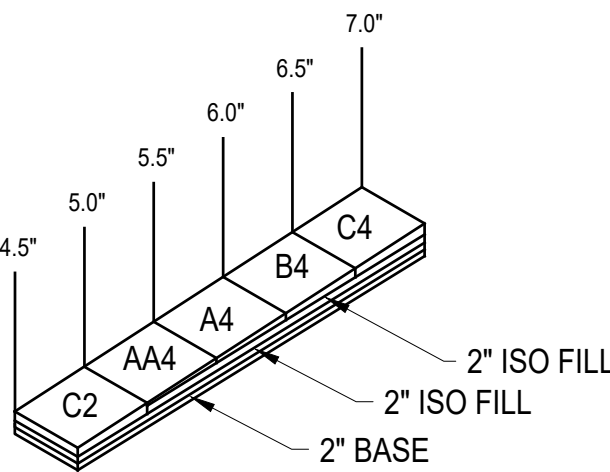
SHEET NUMBER:

A107



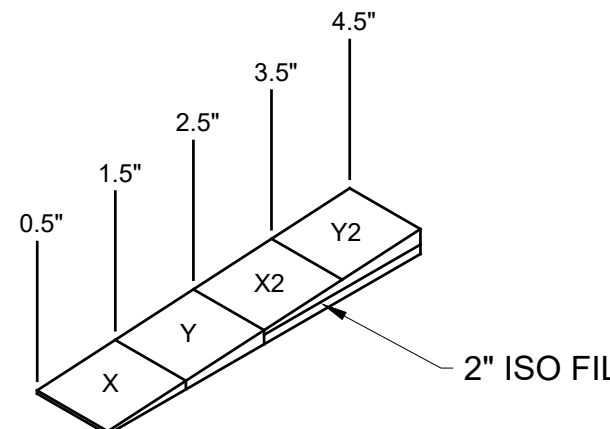
TAPER INSULATION ROOF PLAN - SCOPE OF WORK:

- 1 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- 2 AFTER EXISTING ROOF SYSTEM IS REMOVED, ROOFING CONTRACTOR IS TO VERIFY THAT EXISTING DECK IS LEVEL. IF ANY DEFLECTION IS FOUND THAT WILL AFFECT DRAINAGE, THE ROOFING CONTRACTOR IS TO FILL THOSE AREAS IN ORDER TO PROVIDE A LEVEL SURFACE PRIOR TO INSTALLING ANY NEW ROOF INSULATION.
- 3 PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION AND FULLY ADHERED THERMOPLASTIC MEMBRANE.
- 4 PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER 1/8:12 (0.5" START THICKNESS) MECHANICALLY ATTACHED TAPERED INSULATION AND FULLY ADHERED THERMOPLASTIC MEMBRANE.
- 5 PROVIDE NEW 1/4:12 MECHANICALLY ATTACHED TAPERED INSULATION SADDLE.
- 6 PROVIDE NEW TAPERED EDGE STRIPS AT THE BASE OF ALL SADDLES TO PROVIDE SMOOTH TRANSITION.



1/8" PER FT. TAPER INSULATION CROSS-SECTION

SCALE: NTS



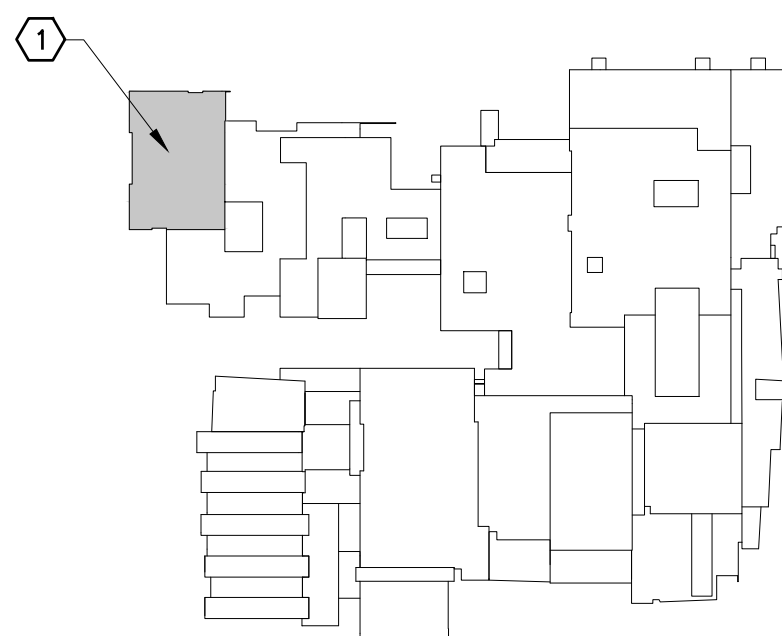
1/4" PER FT. TAPER SADDLE CROSS-SECTION

SCALE: NTS

1/4:12 TAPER SADDLE PANEL SCHEDULE				
X	TAPERED	0.50"-1.5"	4'x4'	1/4"/FT
Y	TAPERED	1.5"-2.5"	4'x4'	1/4"/FT
2"	FILL	2"	4'x4'	FLAT

1/8:12 TAPER INSULATION PANEL SCHEDULE				
AA	TAPERED	0.5"-1.0"	4'x4'	1/8"/FT
A	TAPERED	1.0"-1.5"	4'x4'	1/8"/FT
B	TAPERED	1.5"-2.0"	4'x4'	1/8"/FT
C	TAPERED	2.0"-2.5"	4'x4'	1/8"/FT
2"	FILL	2"	4'x4'	FLAT
2"	BASE	2"	4'x4'	FLAT

PROJECT 1
ALTERNATE 1
WORK



PROJECT ONE- ROOFING
BEN DAVIS HIGH SCHOOL
1200 N GIRLS SCHOOL RD,
INDIANAPOLIS, INDIANA 46214



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and conditions. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

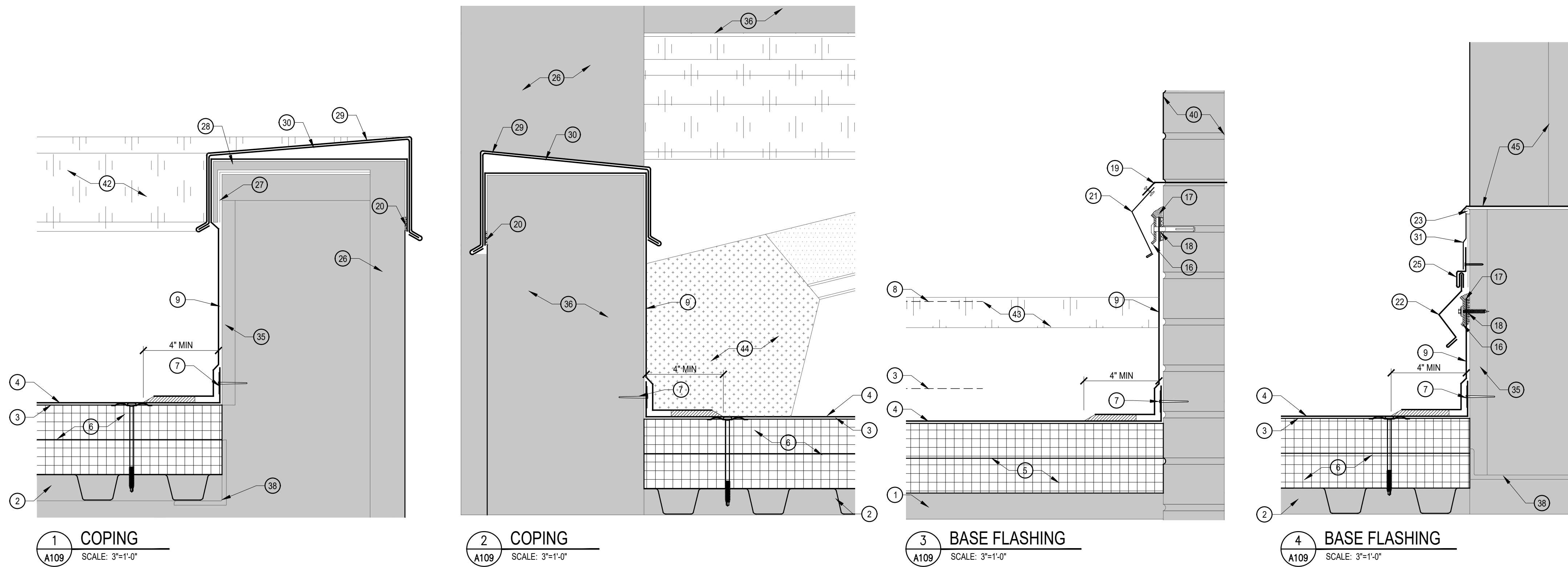
DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

DRAWING TITLE:

**BEN DAVIS
HIGH SCHOOL
PARTIAL TAPER
INSULATION PLAN**

SHEET NUMBER:

A108

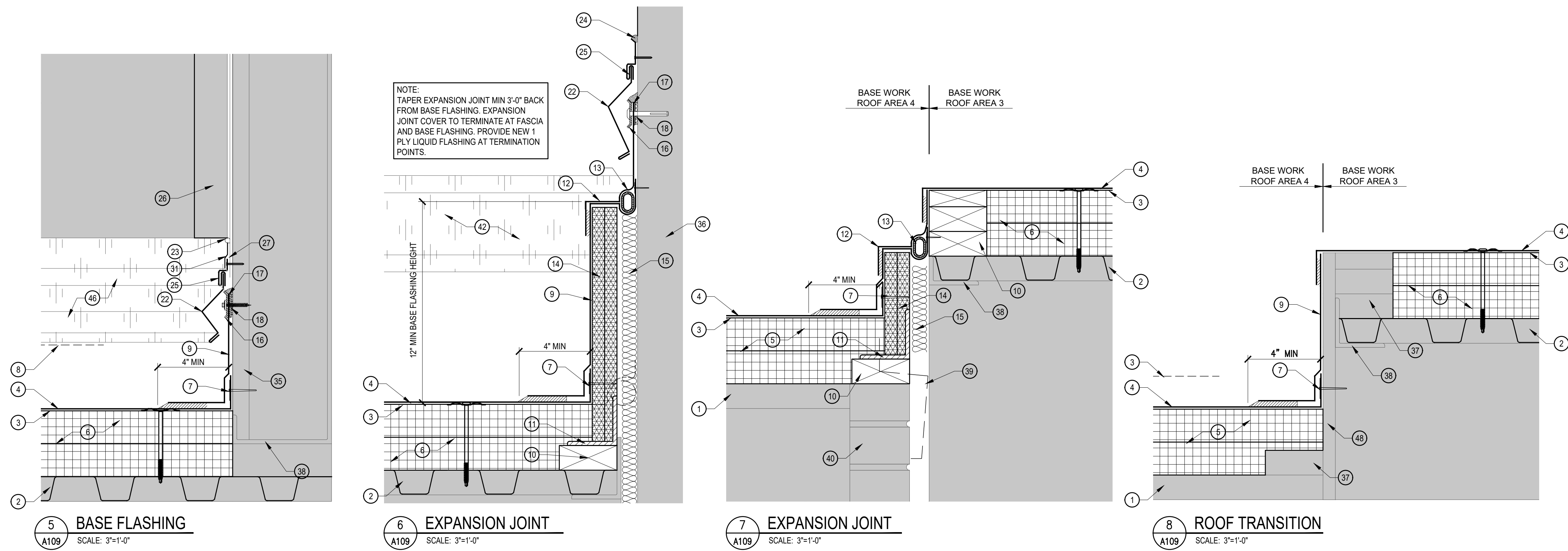


1 COPING
A109 SCALE: 3"=1'-0"

2 COPING
A109 SCALE: 3"=1'-0"

3 BASE FLASHING
A109 SCALE: 3"=1'-0"

4 BASE FLASHING
A109 SCALE: 3"=1'-0"

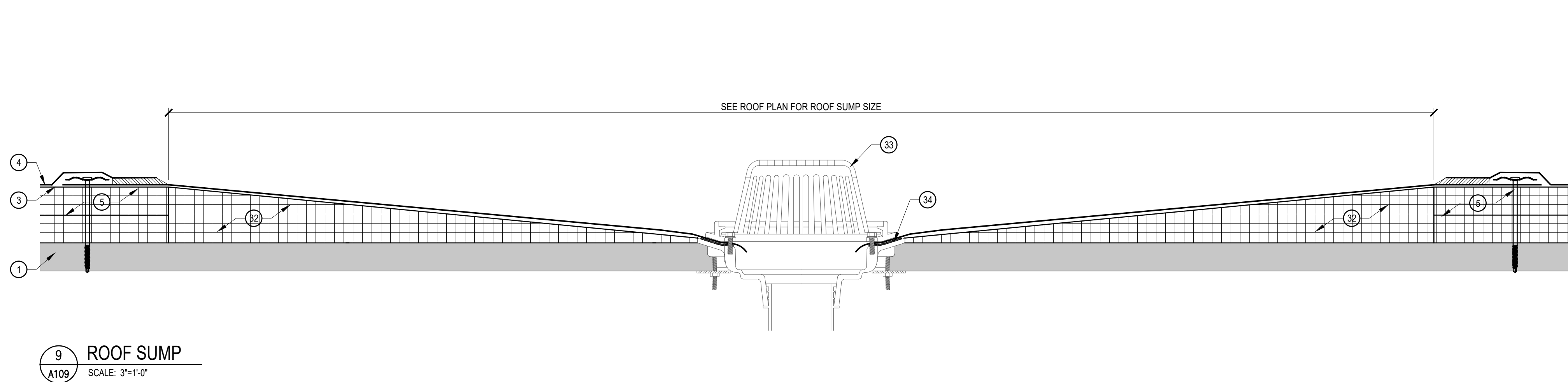


5 BASE FLASHING
A109 SCALE: 3"=1'-0"

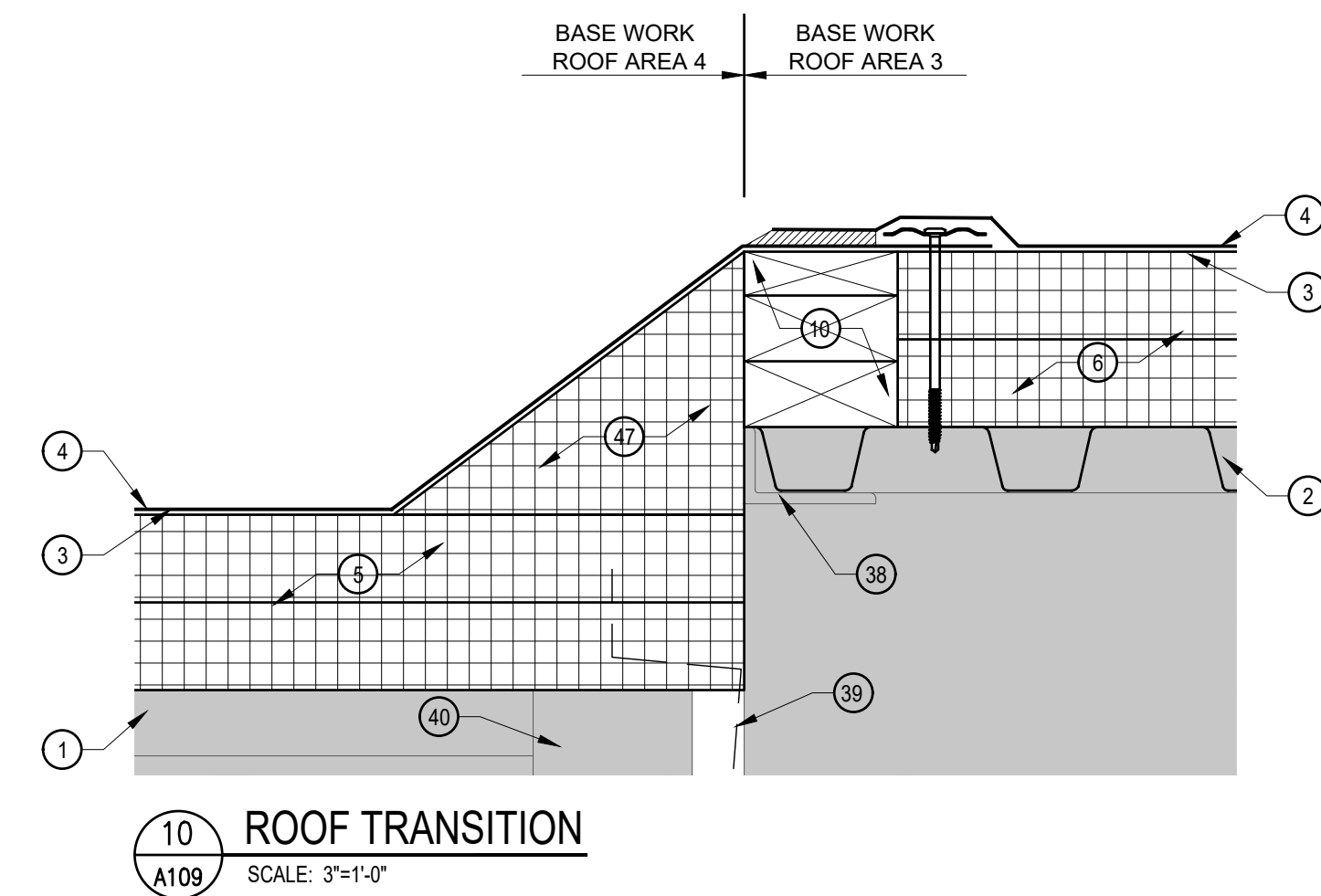
6 EXPANSION JOINT
A109 SCALE: 3"=1'-0"

7 EXPANSION JOINT
A109 SCALE: 3"=1'-0"

8 ROOF TRANSITION
A109 SCALE: 3"=1'-0"



9 ROOF SUMP
A109 SCALE: 3"=1'-0"



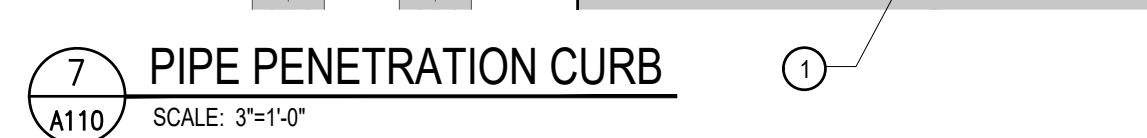
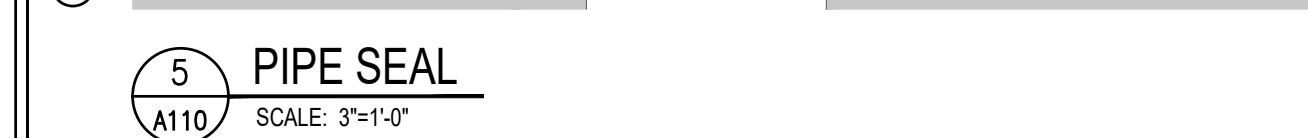
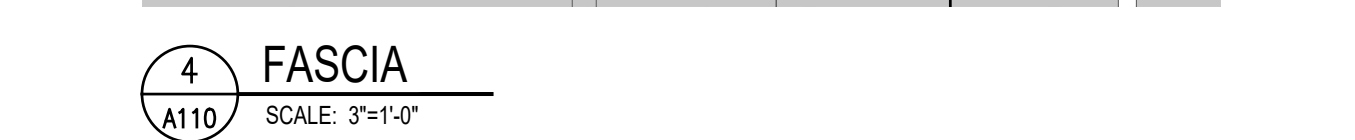
10 ROOF TRANSITION
A109 SCALE: 3"=1'-0"

DETAIL KEY NOTES

- EXISTING CONCRETE DECK.
- EXISTING METAL DECK.
- REMOVE EXISTING ROOF SYSTEM, INSULATIONS, FLASHINGS AND STRIPPINGS.
- PROVIDE NEW FULLY ADHERED SINGLE PLY THERMOPLASTIC MEMBRANE.
- PROVIDE NEW ADHESIVELY ADHERED RIGID INSULATION BOARD.
- PROVIDE NEW MECHANICALLY ATTACHED RIGID INSULATION BOARD.
- PROVIDE NEW RESTRAINT BAR MECHANICALLY ATTACHED 8" C/C MAX.
- HIGH POINT OF NEW INSULATION. SEE TAPER PLAN.
- REMOVE EXG FLG, CLEAN AND PRIME AND PROVIDE NEW THERMOPLASTIC BASE FLASHINGS.
- PROVIDE NEW PRESSURE TREATED WOOD BLOCKING SECURELY ATTACHED TO EXISTING SUBSTRATE.
- PROVIDE NEW 3"x4"x $\frac{1}{2}$ " STEEL ANGLES 24" LONG, 24" O.C., SECURELY ATTACHED TO EXISTING SUBSTRATE.
- PROVIDE NEW HEAT WELDED THERMOPLASTIC STRIPPING.
- PROVIDE NEW COMPRESSIBLE TUBE.
- PROVIDE NEW (2) LAYERS OF EXTERIOR GRADE PRESSURE TREATED PLYWOOD MECHANICALLY ATTACHED TO NEW STEEL ANGLES.
- PROVIDE NEW FIBERGLASS BATT INSULATION TO FILL JOINT IN EXPANSION JOINT CURB.
- PROVIDE NEW 1" SURFACE MOUNTED TERMINATION BAR, MECHANICALLY ATTACHED 12" O.C. MAX. MITER TERMINATION BAR AT ALL VERTICAL TRANSITIONS.
- PROVIDE NEW CONTINUOUS BEAD OF MANUFACTURER'S MASTIC.
- PROVIDE NEW WATER CUT-OFF MASTIC.
- EXISTING COPPER FLASHING TO REMAIN. TRIM TO 1" FOR ATTACHMENT OF NEW COUNTER FLASHING.
- PROVIDE NEW BUTYL TAPE.
- PROVIDE NEW COPPER COUNTER FLASHING MECHANICALLY ATTACHED 6" O.C. MAX.
- PROVIDE NEW PREFINISH GI COUNTER FLASHING MECHANICALLY ATTACHED 6" O.C.
- PROVIDE NEW CONTINUOUS BEAD OF LAP SEALANT.
- PROVIDE NEW CONTINUOUS BEAD OF URETHANE SEALANT.
- PROVIDE NEW PRE-FINISH GI SURFACE MOUNT RECEIVER.
- EXISTING ALUCOBOND PANEL TO REMAIN.
- PORTION OF EXISTING EPDM MEMBRANE TO REMAIN.
- EXISTING ALUCOBOND COPING TO REMAIN.
- PROVIDE NEW PRE-FINISH GI COPING, WITH 12" MIN CONCEALED SPLICE PLATES CENTERED AT JOINTS.
- PROVIDE NEW CONTINUOUS GI COPING CLIP.
- PROVIDE NEW EPDM STRIPPING.
- PROVIDE NEW TAPERED INSULATION SUMP, SHAVE INSULATION FLUSH WITH SUMP DECK FLANGE.
- EXISTING ROOF SUMP STRAINER AND CLAMPING RING.
- PROVIDE NEW MANUFACTURER'S REQUIRED MASTIC.
- EXISTING GYPSUM BOARD TO REMAIN. REPLACE ANY DAMAGED OR DETERIORATED GYPSUM BOARD WITH NEW.
- EXISTING PRECAST CONCRETE PANEL TO REMAIN.
- EXISTING WOOD BLOCKING TO REMAIN. INSPECT EXISTING WOOD BLOCKING AND REPLACE ANY AND ALL DAMAGED OR DETERIORATED BLOCKING WITH NEW.
- EXISTING STEEL STRUCTURE TO REMAIN.
- CUT OUT AND REMOVE PORTION OF EXISTING BURIED FASCIA.
- EXISTING MASONRY TO REMAIN.
- NEW COPING BEYOND. SEE DETAIL 1/A109.
- NEW COPING BEYOND. SEE DETAIL 2/A109.
- NEW FASCIA BEYOND. SEE DETAIL 4/A110.
- NEW EXPANSION JOINT BEYOND. SEE DETAIL 6/A109.
- EXISTING DOOR AND THRESHOLD TO REMAIN.
- NEW BASE FLASHING BEYOND. SEE DETAIL 5/A109.
- PROVIDE NEW TAPERED EDGE STRIPS AND FILLER TO PROVIDE SMOOTH TRANSITION WHERE WOOD BLOCKING IS ABOVE NEW INSULATION HEIGHT. SHAVE AND REDUCE TAPER EDGE STRIP AS REQUIRED TO MAINTAIN SMOOTH TRANSITION AS THICKNESS DECREASES.
- EXISTING PLYWOOD TO REMAIN. REPLACE ANY DAMAGED OR DETERIORATED PLYWOOD WITH NEW.

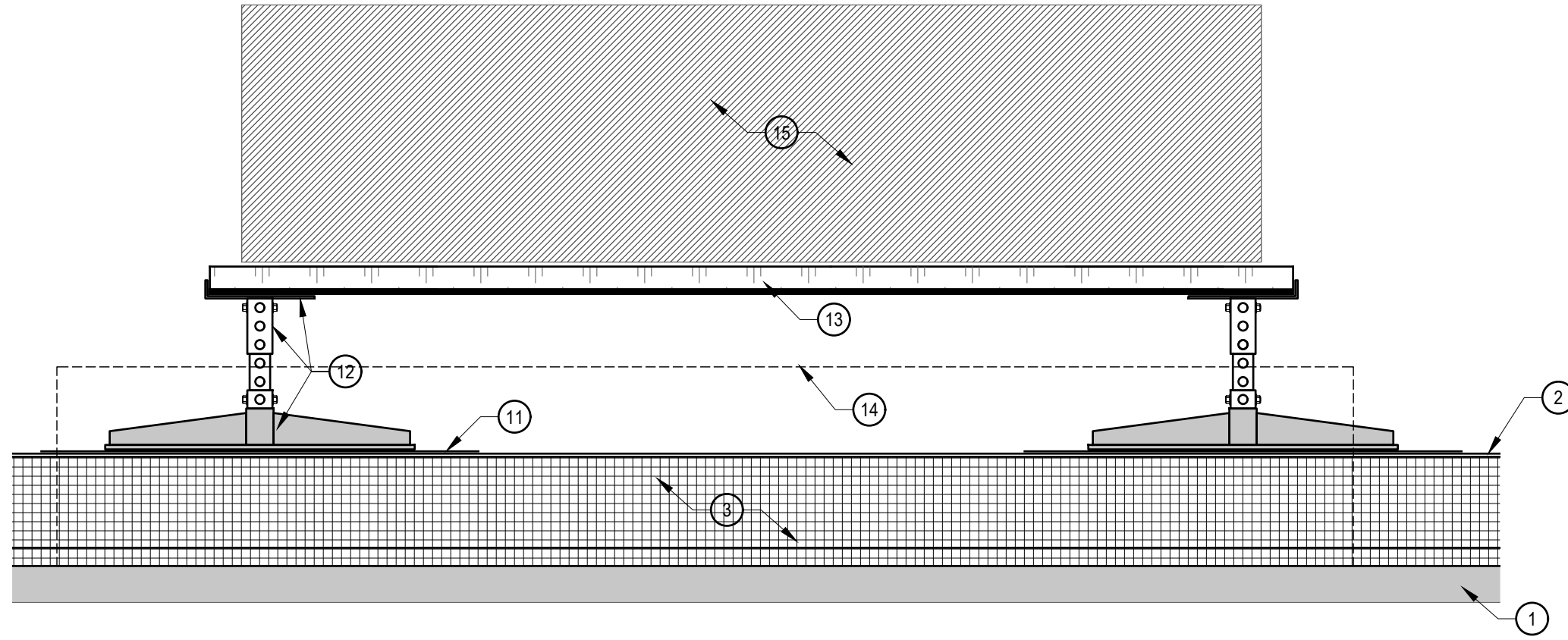
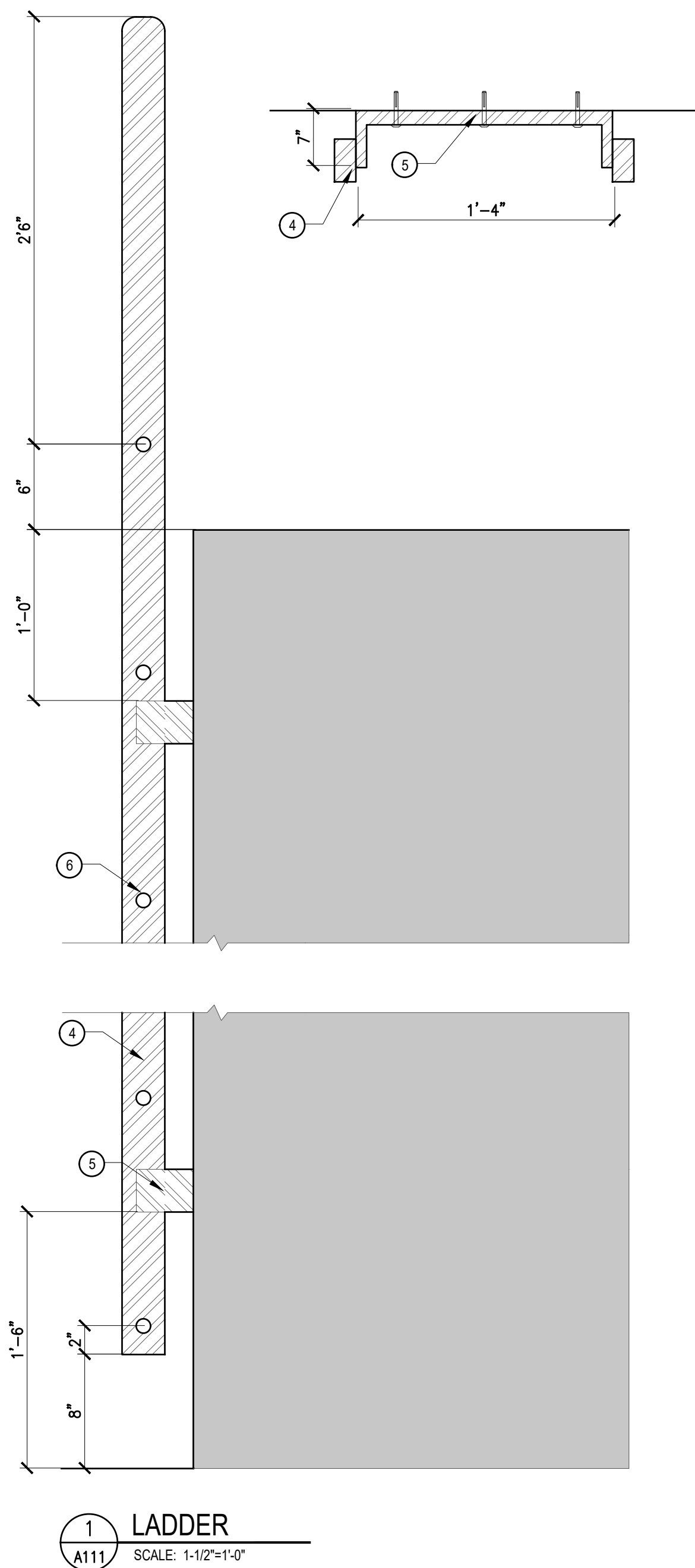
DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

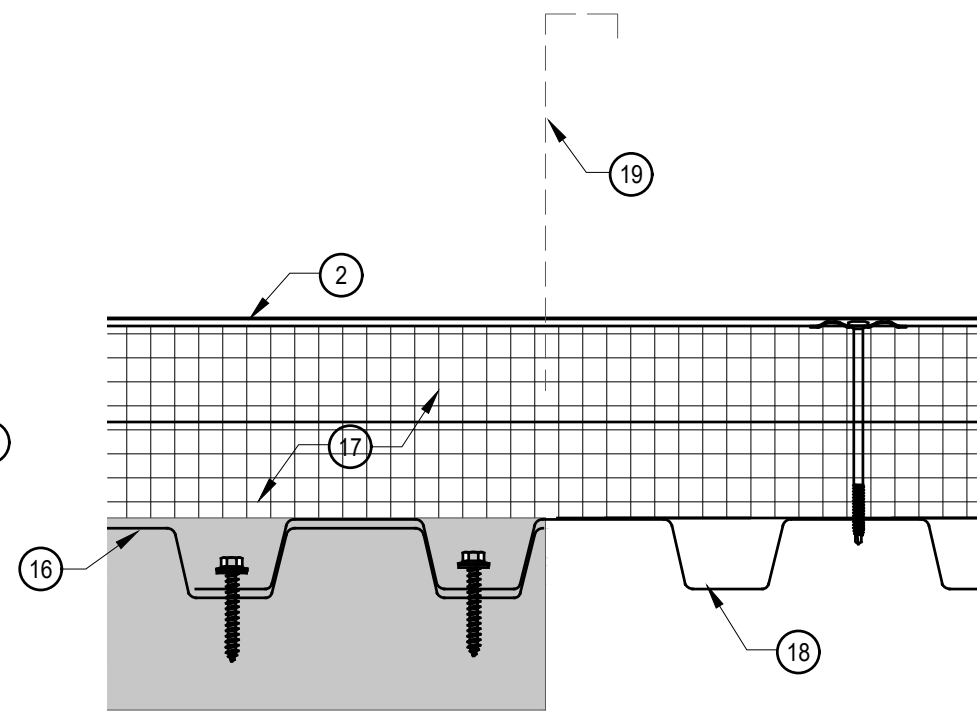


- (1) EXISTING CONCRETE DECK.
- (2) REMOVE EXISTING ROOF SYSTEM, INSULATIONS, FLASHINGS AND STRIPPINGS.
- (3) PROVIDE NEW FULLY ADHERED SINGLE PLY THERMOPLASTIC MEMBRANE.
- (4) PROVIDE NEW ADHESIVELY ADHERED RIGID INSULATION BOARD.
- (5) PROVIDE NEW RESTRAINT BAR MECHANICALLY ATTACHED 8" C/C MAX.
- (6) PROVIDE NEW PRESSURE TREATED WOOD BLOCKING SECURELY ATTACHED TO EXISTING SUBSTRATE.
- (7) PROVIDE NEW 1" SURFACE MOUNTED TERMINATION BAR, MECHANICALLY ATTACHED 12" O.C. MAX. MITER TERMINATION BAR AT ALL VERTICAL TRANSITIONS.
- (8) PROVIDE NEW CONTINUOUS BEAD OF MANUFACTURER'S MASTIC.
- (9) PROVIDE NEW PRE-FINISH GI COPING, WITH 12" MIN CONCEALED SPLICE PLATES CENTERED AT JOINTS.
- (10) PROVIDE NEW CONTINUOUS GI COPING CLIP.
- (11) NEW THERMOPLASTIC MEMBRANE TO WRAP OVER EDGE MIN. 2"
- (12) EXISTING ROOF TOP UNIT HOOD TO REMAIN.
- (13) EXISTING ROOF TOP UNIT CURB TO REMAIN.
- (14) PROVIDE NEW COUNTER FLASHING MECHANICALLY ATTACHED TO EXG ROOF TOP UNIT FLANGE. NEW COUNTER FLASHING TO MATCH EXISTING HOOD METAL.
- (15) REMOVE EXG FLG, CLEAN AND PRIME AND PROVIDE NEW THERMOPLASTIC BASE FLASHINGS.
- (16) SNIP POINTS OF NEW SCREWS ON INSIDE OF ROOF HATCH CURB.
- (17) PROVIDE NEW PRE-FINISH METAL CURB LINER - NEW CURB LINER TO EXTEND UP AND COVER EXPOSED FASTENER.
- (18) REUSE EXISTING CURB - RAISE TO ACCOMMODATE NEW FLASHING HEIGHT.
- (19) PROVIDE NEW OSHA ROOF HATCH RAILING SYSTEM.
- (20) EXISTING ROOF HATCH AND CURB - RAISE TO ACCOMMODATE NEW FLASHING HEIGHT.
- (21) PROVIDE NEW ALUMINUM COUNTER FLASHING MECHANICALLY ATTACHED TO EXISTING ROOF HATCH CURB FLANGE 6" O.C. MIN.
- (22) EXISTING MAN LADDER
- (23) PROVIDE NEW OSHA SAFETY UP POST MECHANICALLY ATTACHED TO EXISTING MAN LADDER.
- (24) PROVIDE NEW HEAT-WELDED THERMOPLASTIC STRIPPING.
- (25) PROVIDE NEW PREFINISH GI FASCIA WITH 12" MIN CONCEALED SPLICE PLATES CENTERED AT JOINTS.
- (26) PROVIDE NEW CONTINUOUS FASCIA SPRING CLIP MECHANICALLY ATTACHED.
- (27) PROVIDE NEW PREFINISH GI FASCIA EXTENDER WITH 12" MIN CONCEALED SPLICE PLATES CENTERED AT JOINTS.
- (28) REMOVE EXISTING FASCIA SYSTEM.
- (29) PROVIDE NEW TAPERED EDGE STRIPS AND FILLER TO PROVIDE SMOOTH TRANSITION WHERE WOOD BLOCKING IS ABOVE NEW INSULATION HEIGHT. SHAVE AND REDUCE TAPER EDGE STRIP AS REQUIRED TO MAINTAIN SMOOTH TRANSITION AS THICKNESS DECREASES.
- (30) PROVIDE NEW CONTINUOUS BEAD OF URETHANE SEALANT.
- (31) EXISTING ROOF PENETRATION TO REMAIN.
- (32) PROVIDE NEW STAINLESS STEEL COMPRESSION DRAW BAND.
- (33) PROVIDE NEW PRE-MOLDED FLASHING.
- (34) PROVIDE NEW WATER CUT-OFF MASTIC.
- (35) EXISTING FLUE STACK TO REMAIN.
- (36) HIGH POINT OF NEW INSULATION. SEE ROOF/TAPER PLAN.
- (37) PROVIDE NEW GI FLASHING.
- (38) PROVIDE NEW GI RAIN COLLAR.
- (39) REMOVE EXISTING FLASHINGS AND COLLAR AROUND EXISTING FLUE STACK.
- (40) PROVIDE NEW WALKWAY PADS AS SHOWN ON ROOF PLAN.
- (41) EXISTING SKYLIGHT TO REMAIN.
- (42) EXISTING PRE-CAST CONCRETE PANEL TO REMAIN.
- (43) EXISTING WOOD BLOCKING TO REMAIN. INSPECT EXISTING WOOD BLOCKING AND REPLACE ANY AND ALL DAMAGED OR DETERIORATED BLOCKING WITH NEW.
- (44) PROVIDE NEW COATED GUTTER FOR HEAT WELDING AND NEW PRE-FINISH GI DOWNSPOUT. PROVIDE NEW CONCRETE SPLASH BLOCK AT DOWNSPOUT DISCHARGE.
- (45) EXISTING STEEL BEAM TO REMAIN.
- (46) EXISTING MASONRY TO REMAIN.
- (47) PROVIDE NEW BUTYL TAPE.
- (48) PROVIDE NEW WOOD BLOCKING TO RAISE UNIT TO PROVIDE MINIMUM 12" BASE FLASHING HEIGHT.
- (49) PROVIDE NEW EPDM BOOT FLASHING.
- (50) PROVIDE NEW STANDARD METAL CURB.
- (51) PROVIDE NEW DOUBLE PIPE PENETRATION PORTAL SYSTEM CAP.
- (52) REMOVE EXISTING PIPE PENETRATION CURB AND PROVIDE NEW DOUBLE PIPE PENETRATION PORTAL SYSTEM.
- (53) NEW BASE FLASHING BEYOND. SEE DETAIL 3/A109.
- (54) PROVIDE NEW CONTINUOUS FASCIA CLEAT MECHANICALLY ATTACHED 4" O.C. MAX, STAGGERED.
- (55) PROVIDE NEW RESIN FILL AT ALL LIQUID FLASHING TERMINATION POINTS.
- (56) PROVIDE (1) PLY LIQUID FLASHING MEMBRANE. EXTEND 12" MIN ONTO MODIFIED BITUMEN MEMBRANE AND VERTICALLY ONTO EXISTING PENETRATION POST.
- (57) PROVIDE NEW CONTINUOUS 4" WIDE STRIP OF RESIN SATURATED FLEECE.

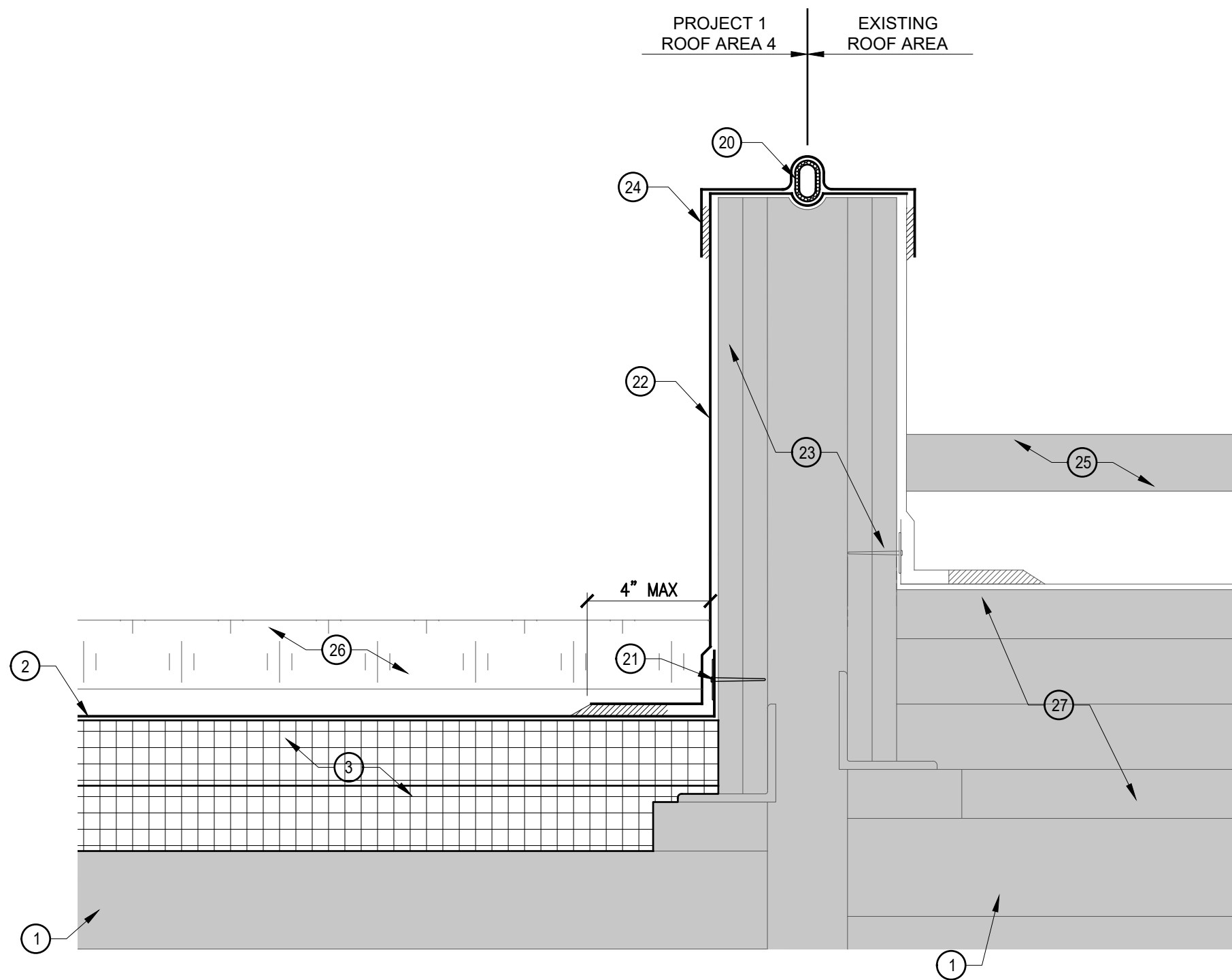
A110



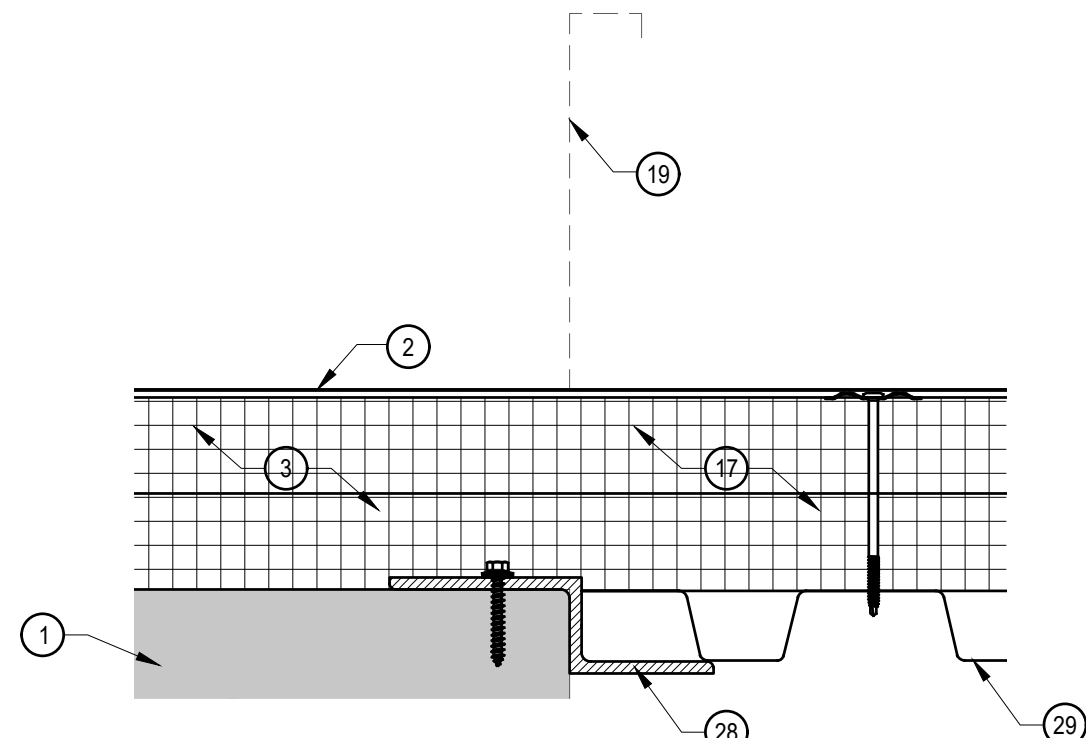
2 SUPPORT PLATFORM
A111 SCALE: 1-1/2"=1'-0"



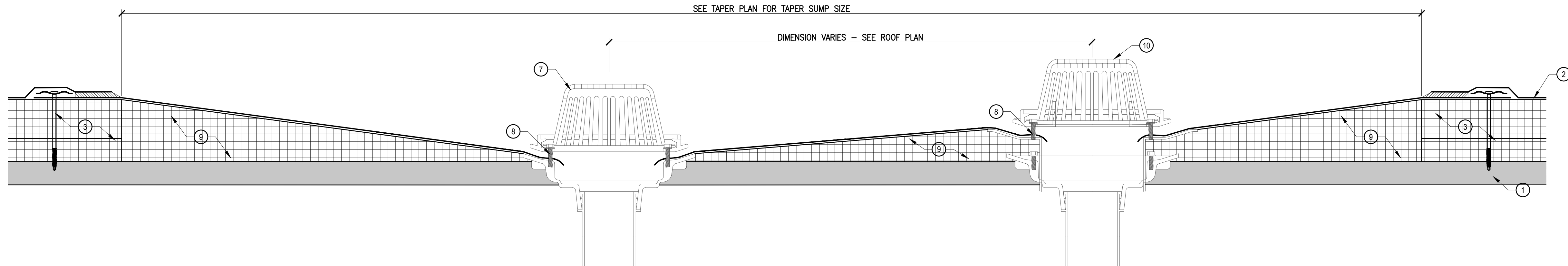
3 DECK PATCH
A111 SCALE: 3"=1'-0"



4 EXPANSION JOINT
A111 SCALE: 3"=1'-0"



5 DECK PATCH
A111 SCALE: 3"=1'-0"



6 ROOF SUMP WITH OVERFLOW
A111 SCALE: 1-1/2"=1'-0"

DETAIL KEY NOTES

- EXISTING CONCRETE DECK.
- PROVIDE NEW FULLY ADHERED SINGLE PLY THERMOPLASTIC MEMBRANE.
- PROVIDE NEW ADHESIVELY ADHERED RIGID INSULATION BOARD.
- PROVIDE NEW 1" X 4" EXTRUDED ALUMINUM RAILS.
- PROVIDE NEW 1" X 4" EXTRUDED ALUMINUM MOUNTING BAR. MOUNTING BARS ARE TO BE INSTALLED AT TOP AND BOTTOM OF NEW MAN LADDER AS SHOWN AND 5' MINIMUM C/C BETWEEN TOP AND BOTTOM MOUNTING BARS WHERE HEIGHTS REQUIRE ADDITIONAL MOUNTING BARS. PROVIDE (3) ANCHORS PER MOUNTING BAR.
- PROVIDE NEW 1 1/2" DIA. EXTRUDED ALUMINUM RUNGS. RUNGS ARE TO BE PLACED 16" C/C MAX, AND HAVE A SLIP RESISTANT COATING.
- EXISTING ROOF SUMP, CLAMPING RING, AND STRAINER. PROVIDE NEW WHERE NECESSARY.
- PROVIDE MANUFACTURER'S STANDARD MASTIC.
- PROVIDE NEW TAPERED INSULATION SUMP, SHAVE INSULATION FLUSH WITH SUMP DECK FLANGE.
- EXISTING OVERFLOW ROOF SUMP, CLAMPING RING, AND STRAINER. PROVIDE NEW WHERE NECESSARY.
- PROVIDE NEW THERMOPLASTIC SLIP SHEET ADHESIVELY ADHERED AT EACH SUPPORT BASE.
- PROVIDE NEW ADJUSTABLE NON PENETRATING EQUIPMENT SUPPORT PLATFORM WITH NEW 17" BASE.
- PROVIDE NEW GI STEEL GRATE EQUIPMENT SUPPORT PLATFORM.
- REMOVE EXISTING EQUIPMENT SUPPORT RAILS.
- EXISTING ROOF TOP UNIT TO REMAIN.
- EXISTING METAL DECK.
- PROVIDE NEW MECHANICALLY ATTACHED RIGID INSULATION BOARD.
- PROVIDE NEW 1 1/2" METAL DECK IN-FILL. TOP OF METAL DECK IN-FILL IS TO BE LEVEL WITH TOP OF EXISTING DECK. NEW METAL IN-FILL TO EXTEND MIN 12" PAST OPENING AND BE MECHANICALLY ATTACHED.
- REMOVE EXISTING ABANDONED ROOF TOP EQUIPMENT CURB.
- PROVIDE NEW COMPRESSIBLE TUBE.
- PROVIDE NEW RESTRAINT BAR MECHANICALLY ATTACHED 8" C/C MAX.
- REMOVE EXG FLG, CLEAN AND PRIME AND PROVIDE NEW THERMOPLASTIC FLASHINGS.
- EXISTING WOOD BLOCKING EXPANSION JOINT TO REMAIN.
- PROVIDE NEW HEAT WELDED THERMOPLASTIC STRIPPING.
- EXISTING FASCIA BEYOND.
- NEW FASCIA BEYOND. SEE DETAIL 4/A110.
- EXISTING ROOF SYSTEM TO REMAIN.
- PROVIDE NEW 16 GAUGE STEEL BENT 4" x 1 1/2" x 3" ON ALL FOUR SIDES OF EXISTING OPENING AND MECHANICALLY ATTACHED TO EXISTING SUBSTRATE.
- PROVIDE NEW 1 1/2" METAL DECK IN-FILL. TOP OF METAL DECK IN-FILL IS TO BE LEVEL WITH TOP OF EXISTING DECK.



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

WE ARE WAYNE!
GREAT SCHOOLS • GREAT COMMUNITY



2021 ROOF AND ROOF RELATED WORK
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and conditions. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

DRAWING TITLE:

BEN DAVIS
HIGH SCHOOL
ROOF DETAILS

SHEET NUMBER:

A111

EXISTING ROOF SYSTEM LEGEND:

Roof Area 2	
Deck:	Metal
Vapor Retarder:	N/A
Insulation:	4" Polyisocyanurate
Membrane:	Ballasted EPDM
Flashings:	EPDM
Surfacing:	River Rock
Roof Area 4C	
Deck:	Concrete
Vapor Retarder:	N/A
Insulation:	¾" Gypsum Board over Tapered Extruded Polystyrene
Membrane:	Fully Adhered EPDM
Flashings:	EPDM
Surfacing:	N/A

GENERAL ROOF PLAN NOTES:

- A. ROOFING CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING DIMENSIONS, CONDITIONS AND DETAILS THAT MAY AFFECT THIS WORK.
- B. ROOFING CONTRACTOR IS TO INSPECT EXISTING METAL AND CONCRETE DECKS FOR ANY DAMAGE AND/OR DETERIORATION. ROOFING CONTRACTOR IS TO DOCUMENT, REPORT AND CORRECT ANY UNSATISFACTORY CONDITIONS PRIOR TO INSTALLING NEW ROOF SYSTEM.
- C. ROOFING CONTRACTOR IS TO VERIFY THAT ALL EXISTING PLUMBING VENTS TO REMAIN WILL ACCOMMODATE A MINIMUM 8" FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO ADJUST AND EXTEND ANY THAT WOULD FAIL TO MEET THE 8" MINIMUM FLASHING HEIGHT.
- D. ROOF CONTRACTOR IS TO VERIFY THAT ALL EXISTING ROOF TOP EQUIPMENT THAT IS TO REMAIN WILL ACCOMMODATE A MINIMUM 12" BASE FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO RAISE ANY OR ALL UNITS THAT FAIL TO MEET THE 12" MINIMUM FLASHING HEIGHT. EXTEND ANY/OR ALL EXISTING DUCTWORK AND WIRING TO ACCOMMODATE NEW HEIGHT OF UNIT - DON'T STRETCH EXISTING WIRING TO ACCOMMODATE NEW HEIGHT.
- E. ROOFING CONTRACTOR IS TO INSPECT ALL EXISTING ROOF DRAINS FOR DAMAGE OR MISSING COMPONENTS AND REPLACE WITH NEW IF ANY COMPONENTS ARE DAMAGED OR MISSING. ALL EXISTING PLASTIC OR MISSING ROOF SUMP STRAINERS (IF ANY) ARE TO BE REMOVED AND REPLACED WITH NEW CAST IRON STRAINERS.
- F. UPON COMPLETION OF ROOF WORK CONTRACTOR IS TO WATER TEST ALL ROOF SUMPS TO ENSURE THEY ARE OPEN AND DRAIN PROPERLY.

ROOF PLAN SCOPE OF WORK:
PROJECT TWO-BASE WORK ROOF AREAS 2, 4C:

- 1 NO WORK OR MATERIAL STORAGE IN THIS AREA.
- 2 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHINGS, AND STRIPPINGS.
- 3 REMOVE ALL EXISTING PLUMBING VENT (PV) FLASHINGS AND PROVIDE NEW LEAD FLASHINGS.
- 4 EXG POWER ROOF VENT (PRV), GRAVITY ROOF VENTS (GRV) AND OTHER ROOF TOP UNITS (RTU) TO REMAIN. SEE DETAIL 3/A210.
- 5 REMOVE EXISTING METAL COPING AND PROVIDE NEW METAL COPING.
- 6 REMOVE EXISTING METAL FASCIA AND FASCIA EXTENDER AND PROVIDE NEW METAL FASCIA AND FASCIA EXTENDER.
- 7 EXG (7) ROOF SUMPS TO REMAIN. RESET EXG CLAMPING RINGS AND STRAINERS IN NEW LEAD FLASHING.
- 8 EXG ROOF (1) SUMP TO BE REMOVED, CAP EXG DRAIN LINE AND PATCH DECK AS NECESSARY.
- 9 EXG (1) OVERFLOW ROOF SUMP TO REMAIN. RESET EXG CLAMPING RINGS AND STRAINERS IN NEW LEAD FLASHING.
- 10 EXISTING EXPANSION JOINT TO REMAIN.
- 11 EXISTING PIPE PENETRATIONS TO REMAIN. PROVIDE NEW LIQUID FLASHING. SEE DETAIL 4/A210.
- 12 EXISTING CHIMNEY TO REMAIN.
- 13 EXISTING (3) HOT STACKS TO REMAIN. SEE DETAIL 1/A210.
- 14 EXISTING DOWNSPOUTS TO REMAIN. PROVIDE NEW CONCRETE SPLASH BLOCKS.
- 15 PROVIDE NEW WOOD BLOCKING AREA SEPARATION CURB.
- 16 EXISTING COPING TO REMAIN.
- 17 REMOVE EXISTING EXPANSION JOINT AND PROVIDE NEW WOOD BLOCKING EXPANSION JOINT AND EXPANSION JOINT COVER.

- 18 PROVIDE NEW (1) LAYER 1.5" ADHESIVELY ADHERED RIGID INSULATION, (1) LAYER ¾-12 (6" START THICKNESS) ADHESIVELY ADHERED TAPERED INSULATION, (1) LAYER ADHESIVELY ADHERED ¾" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- 19 PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED 1-1/2" RIGID INSULATION, (1) LAYER ADHESIVELY ADHERED ¾" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- 20 PROVIDE NEW MODIFIED BITUMEN FLASHINGS AND STRIPPINGS.
- 21 PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD ND L WARRANTY.

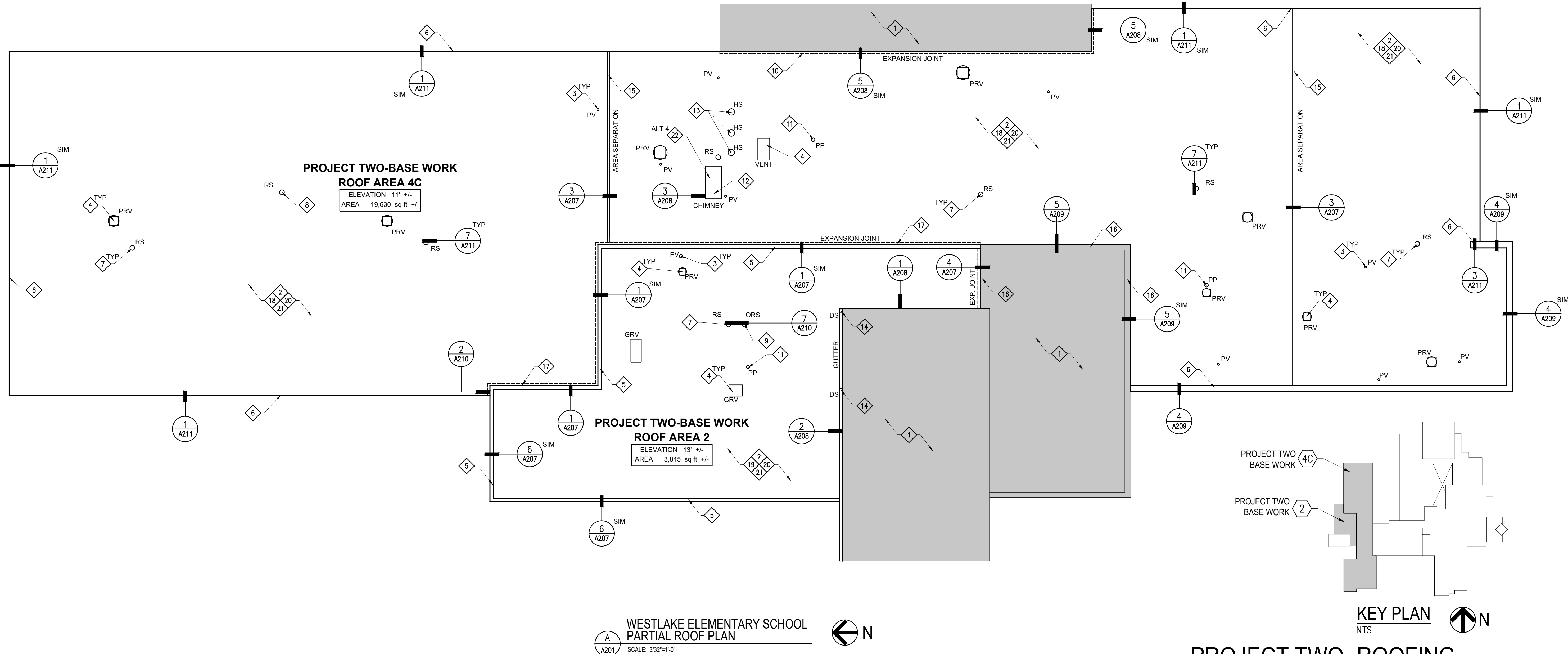
PROJECT TWO- ALTERNATE FOUR WORK:

- 22 REPAIR EXISTING CHIMNEY. SEE SHEET A212.

NOTE: CONCRETE PLANK DECK MAY HAVE DEFLECTION THAT COULD EFFECT DRAINAGE. CONTRACTOR IS TO VERIFY THAT EXISTING CONCRETE DECK IS LEVEL. IF ANY DEFLECTION IS FOUND THAT MAY EFFECT DRAINAGE, CONTRACTOR IS TO FILL IN THOSE AREAS TO PROVIDE A LEVEL SURFACE PRIOR TO INSTALLING NEW INSULATION.

NOTE: CONTRACTOR IS TO ASSUME THAT ROOF AREAS MAY CONTAIN CONDUIT ON TOP OF THE CONCRETE DECK.

NOTE: BUILDING RENOVATIONS WILL COINCIDE WITH ROOF WORK. ROOFING CONTRACTOR TO COORDINATE STAGING AND DAILY PROCESSES WITH OTHER CONTRACTORS



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930



DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its sale, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC

DRAWING TITLE:

WESTLAKE
ELEMENTARY
PARTIAL ROOF PLAN

SHEET NUMBER:

A201

2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

GENERAL ROOF PLAN NOTES:

- A. ROOFING CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING DIMENSIONS, CONDITIONS AND DETAILS THAT MAY AFFECT THIS WORK.
- B. ROOFING CONTRACTOR IS TO INSPECT EXISTING METAL DECKS FOR ANY DAMAGE AND/OR DETERIORATION. ROOFING CONTRACTOR IS TO DOCUMENT, REPORT AND CORRECT ANY UNSATISFACTORY CONDITIONS PRIOR TO INSTALLING NEW ROOF SYSTEM.
- C. ROOFING CONTRACTOR IS TO VERIFY THAT ALL EXISTING PLUMBING VENTS TO REMAIN WILL ACCOMMODATE A MINIMUM 8" FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO ADJUST AND EXTEND ANY THAT WOULD FAIL TO MEET THE 8" MINIMUM FLASHING HEIGHT.
- D. ROOF CONTRACTOR IS TO VERIFY THAT ALL EXISTING ROOF TOP EQUIPMENT THAT IS TO REMAIN WILL ACCOMMODATE A MINIMUM 12" BASE FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO RAISE ANY OR ALL UNITS THAT FAIL TO MEET THE 12" MINIMUM FLASHING HEIGHT. EXTEND ANY/OR ALL EXISTING DUCTWORK AND WIRING TO ACCOMMODATE NEW HEIGHT OF UNIT - DON'T STRETCH EXISTING WIRING TO ACCOMMODATE NEW HEIGHT.
- E. ROOFING CONTRACTOR IS TO INSPECT ALL EXISTING ROOF DRAINS FOR DAMAGE OR MISSING COMPONENTS AND REPLACE WITH NEW IF ANY COMPONENTS ARE DAMAGED OR MISSING. ALL EXISTING PLASTIC OR MISSING ROOF SUMP STRAINERS (IF ANY) ARE TO BE REMOVED AND REPLACED WITH NEW CAST IRON STRAINERS.
- F. UPON COMPLETION OF ROOF WORK CONTRACTOR IS TO WATER TEST ALL ROOF SUMPS TO ENSURE THEY ARE OPEN AND DRAIN PROPERLY.

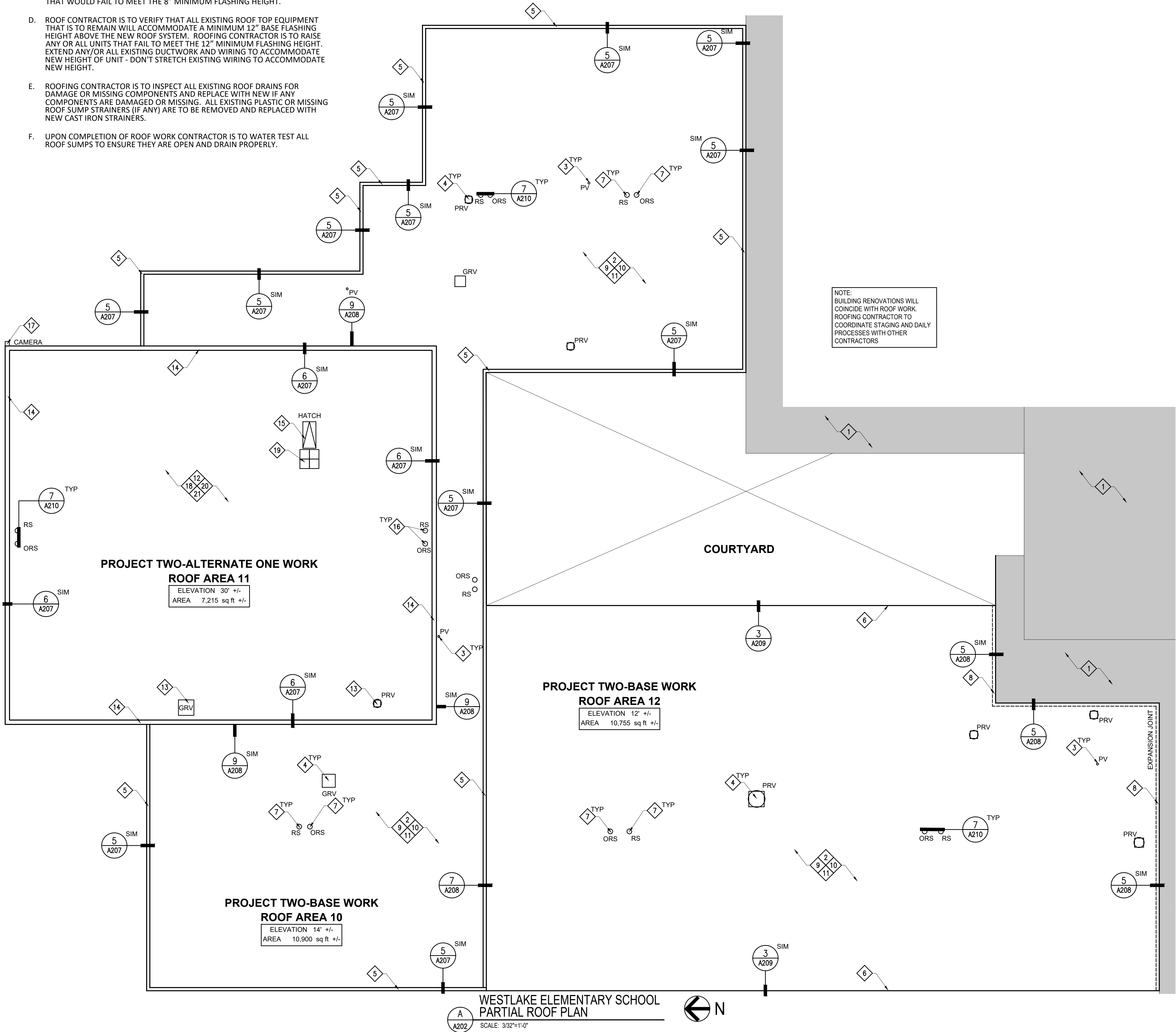
EXISTING ROOF SYSTEM LEGEND:

Roof Area 10 & 11

Deck: Metal
Vapor Retarder: N/A
Insulation: 4 1/2" Polyisocyanurate
Membrane: Ballasted EPDM
Flashings: EPDM
Surfacing: River Rock

Roof Area 12

Deck: Metal
Vapor Retarder: N/A
Insulation: 1/2" Gypsum Board over 2" Extruded Polystyrene over 1" Perlite
Membrane: Fully Adhered EPDM
Flashings: EPDM
Surfacing: N/A



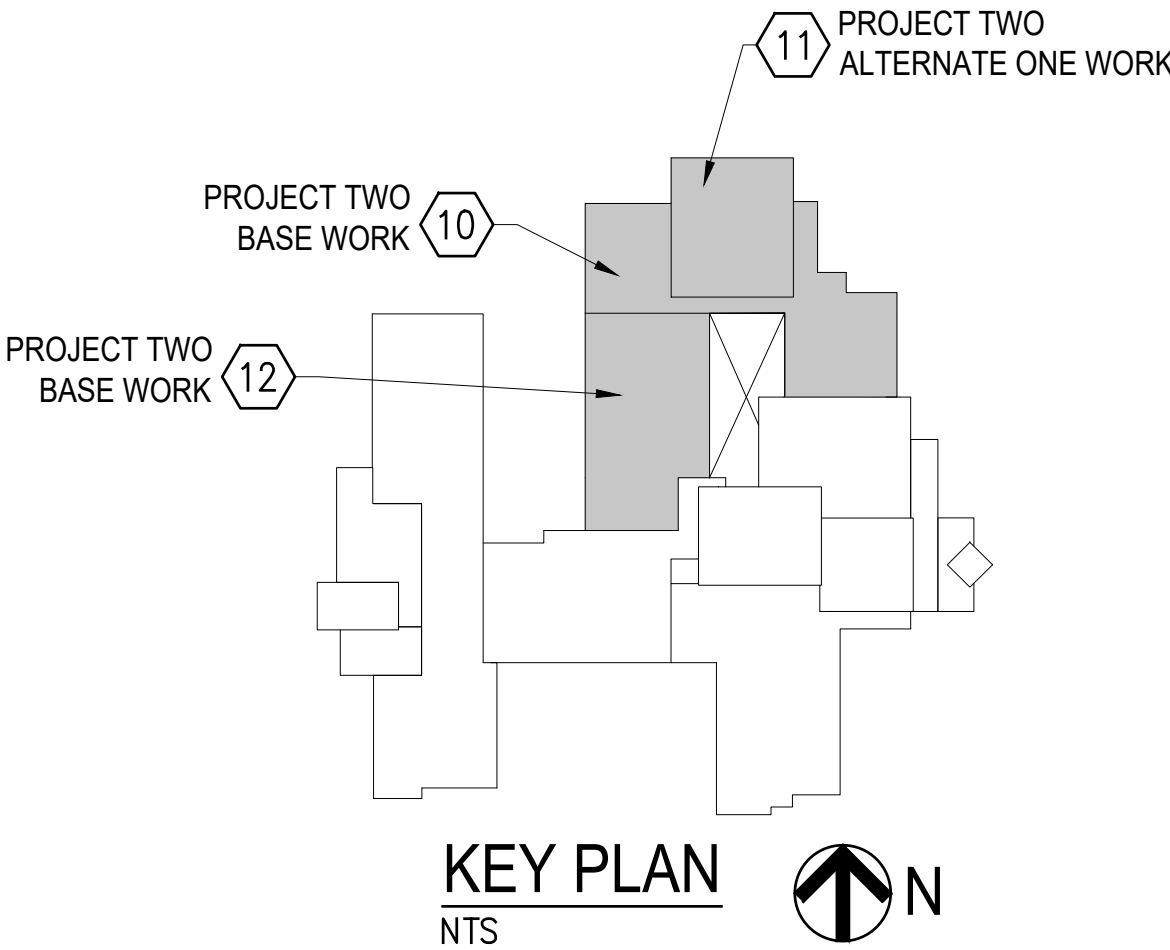
ROOF PLAN SCOPE OF WORK:

PROJECT TWO-BASE WORK ROOF AREAS: 10 & 12:

- NO WORK OR MATERIAL STORAGE IN THIS AREA.
- REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- REMOVE ALL EXISTING PLUMBING VENT (PV) FLASHINGS AND PROVIDE NEW LEAD FLASHINGS.
- EXG POWER ROOF VENT (PRV) AND OTHER GRAVITY ROOF VENTS (GRV) TO REMAIN. SEE DETAIL 3/A210.
- REMOVE EXISTING METAL COPING AND FASCIA AND PROVIDE NEW METAL FASCIA.
- REMOVE EXISTING METAL FASCIA AND FASCIA EXTENDER AND PROVIDE NEW METAL FASCIA AND FASCIA EXTENDER.
- EXG (6) ROOF SUMPS AND (6) OVERFLOW ROOF SUMPS TO REMAIN. RESET EXG CLAMPING RINGS AND STRAINERS IN NEW LEAD FLASHING.
- EXISTING EXPANSION JOINT TO REMAIN.
- PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED 1-1/2" RIGID INSULATION, (1) LAYER ADHESIVELY ADHERED 1/2" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW MODIFIED BITUMEN FLASHINGS AND STRIPPINGS.
- PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.

PROJECT TWO-ALTERNATE ONE WORK AREA: 11:

- REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- EXG POWER ROOF VENT (PRV) AND OTHER GRAVITY ROOF VENTS (GRV) TO REMAIN. SEE DETAIL 3/A210.
- REMOVE EXISTING METAL COPING AND PROVIDE NEW METAL COPING.
- EXISTING ROOF HATCH/CURB TO REMAIN. RAISE EXISTING CURB TO MEET 12" MINIMUM FLASHING HEIGHT. PROVIDE NEW FALL PROTECTION RAILING SYSTEM AND LADDER UP SAFETY POST. SEE DETAIL 5/A210.
- EXG (2) ROOF SUMPS AND (2) OVERFLOW ROOF SUMPS TO REMAIN. RESET EXG CLAMPING RINGS AND STRAINERS IN NEW LEAD FLASHING.
- EXISTING CAMERA TO REMAIN. REMOVE FOR INSTALLATION OF NEW COPING IF NECESSARY AND REINSTALL. CONTRACTOR TO COORDINATE WITH OWNER.
- PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED 1-1/2" RIGID INSULATION, (1) LAYER ADHESIVELY ADHERED 1/2" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW INTERLOCKING RUBBER WALKWAY PADS AS INDICATED ON DRAWING.
- PROVIDE NEW MODIFIED BITUMEN FLASHINGS AND STRIPPINGS.
- PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.



PROJECT TWO- ROOFING
WESTLAKE ELEMENTARY SCHOOL
271 N SIGBEE ST
INDIANAPOLIS, IN 46214



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its sale, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC

DRAWING TITLE:

WESTLAKE
ELEMENTARY
PARTIAL ROOF PLAN

SHEET NUMBER:

A202

EXISTING ROOF SYSTEM LEGEND:

Roof Area 7
Deck: Metal
Vapor Retarder: N/A
Insulation: ¾" Gypsum Board over Tapered Extruded Polystyrene over ¾" Gypsum Board
Membrane: Fully Adhered EPDM
Flashings: EPDM
Surfacing: N/A

Roof Area 8
Deck: Metal
Vapor Retarder: N/A
Insulation: 4 ½" Polyisocyanurate Insulation
Membrane: Ballasted EPDM
Flashings: EPDM
Surfacing: River Rock

Roof Area 13
Deck: Metal
Vapor Retarder: N/A
Insulation: ½" Gypsum Board over Tapered Extruded Polystyrene over ½" Gypsum Board
Membrane: Fully Adhered EPDM
Flashings: EPDM
Surfacing: N/A

GENERAL ROOF PLAN NOTES:

- A. ROOFING CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING DIMENSIONS, CONDITIONS AND DETAILS THAT MAY AFFECT THIS WORK.
- B. ROOFING CONTRACTOR IS TO INSPECT EXISTING METAL DECKS FOR ANY DAMAGE AND/OR DETERIORATION. ROOFING CONTRACTOR IS TO DOCUMENT, REPORT AND CORRECT ANY UNSATISFACTORY CONDITIONS PRIOR TO INSTALLING NEW ROOF SYSTEM.
- C. ROOFING CONTRACTOR IS TO VERIFY THAT ALL EXISTING PLUMBING VENTS TO REMAIN WILL ACCOMMODATE A MINIMUM 8" FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO ADJUST AND EXTEND ANY THAT WOULD FAIL TO MEET THE 8" MINIMUM FLASHING HEIGHT.
- D. ROOF CONTRACTOR IS TO VERIFY THAT ALL EXISTING ROOF TOP EQUIPMENT THAT IS TO REMAIN WILL ACCOMMODATE A MINIMUM 12" BASE FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO RAISE ANY OR ALL UNITS THAT FAIL TO MEET THE 12" MINIMUM FLASHING HEIGHT. EXTEND ANY/OR ALL EXISTING DUCTWORK AND WIRING TO ACCOMMODATE NEW HEIGHT OF UNIT - DON'T STRETCH EXISTING WIRING TO ACCOMMODATE NEW HEIGHT.
- E. ROOFING CONTRACTOR IS TO INSPECT ALL EXISTING ROOF DRAINS FOR DAMAGE OR MISSING COMPONENTS AND REPLACE WITH NEW IF ANY COMPONENTS ARE DAMAGED OR MISSING. ALL EXISTING PLASTIC OR MISSING ROOF SUMP STRAINERS (IF ANY) ARE TO BE REMOVED AND REPLACED WITH NEW CAST IRON STRAINERS.
- F. UPON COMPLETION OF ROOF WORK CONTRACTOR IS TO WATER TEST ALL ROOF SUMPS TO ENSURE THEY ARE OPEN AND DRAIN PROPERLY.

NOTE:
BUILDING RENOVATIONS WILL COINCIDE WITH ROOF WORK. ROOFING CONTRACTOR TO COORDINATE STAGING AND DAILY PROCESSES WITH OTHER CONTRACTORS

ROOF PLAN SCOPE OF WORK:
PROJECT TWO-BASE WORK: ROOF AREA 7:

- 1 NO WORK OR MATERIAL STORAGE IN THIS AREA.
- 2 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- 3 EXG POWER ROOF VENTS (PRV) TO REMAIN. SEE DETAIL 3/A210.
- 4 REMOVE EXISTING METAL FASCIA AND PROVIDE NEW METAL FASCIA.
- 5 EXG (2) ROOF SUMPS TO REMAIN. RESET EXG CLAMPING RINGS AND STRAINERS IN NEW LEAD FLASHING.
- 6 EXISTING LADDER TO REMAIN. PROVIDE NEW LIQUID FLASHING AT PENETRATION POINTS. SEE DETAIL 4/A210.
- 7 PROVIDE NEW (1) LAYER 1 ¾" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER ¾-12 (¾" START THICKNESS) MECHANICALLY ATTACHED TAPERED INSULATION, (1) LAYER ADHESIVELY ADHERED ¾" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- 8 PROVIDE NEW INTERLOCKING RUBBER WALKWAY PADS AS INDICATED ON DRAWING.
- 9 PROVIDE NEW MODIFIED BITUMEN FLASHINGS AND STRIPPINGS.
- 10 PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.

PROJECT TWO-ALT TWO
ROOF AREA 8

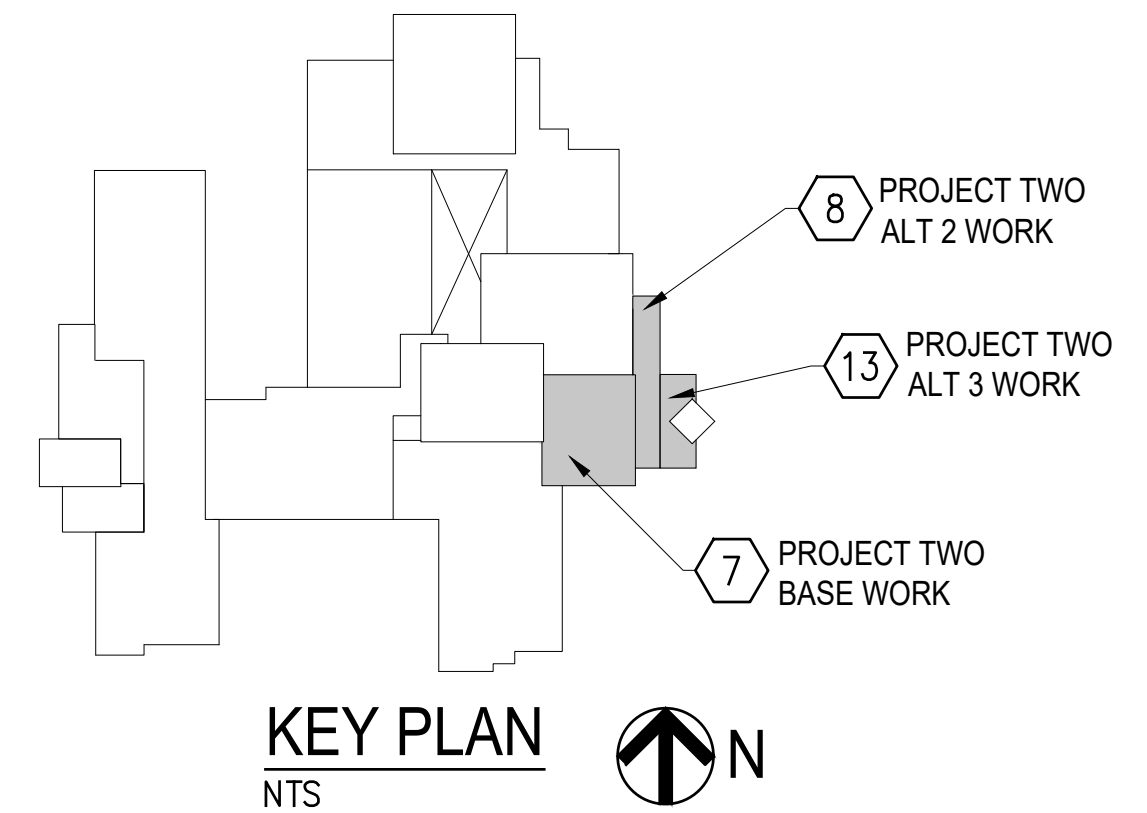
ELEVATION 12' +/-
AREA 1,877 sq ft +/-

PROJECT TWO-ALTERNATE TWO WORK: ROOF AREA 8:

- 11 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- 12 EXG POWER ROOF VENT (PRV) TO REMAIN. SEE DETAIL 3/A210.
- 13 REMOVE EXISTING METAL FASCIA AND FASCIA EXTENDER AND PROVIDE NEW METAL FASCIA AND FASCIA EXTENDER.
- 14 EXG (1) ROOF SUMP AND (1) OVERFLOW ROOF SUMP TO REMAIN. RESET EXG CLAMPING RINGS AND STRAINERS IN NEW LEAD FLASHING.
- 15 EXISTING EXPANSION JOINT TO REMAIN.
- 16 EXISTING ROOF HATCH/CURB TO REMAIN. RAISE EXISTING CURB TO MEET 12" MINIMUM FLASHING HEIGHT. PROVIDE NEW FALL PROTECTION RAILING SYSTEM AND LADDER UP SAFETY POST. SEE DETAIL 5/A210.
- 17 EXISTING ROOFTOP UNITS (RTU) TO REMAIN. REMOVE EXISTING EQUIPMENT RAILS AND PROVIDE NEW NON-PENETRATING SUPPORT PLATFORM. SEE DETAIL 6/A210.
- 18 EXISTING ROOF TOP UNIT TO REMAIN UNIT (RTU) TO REMAIN. SEE DETAIL 2/A211.
- 19 REMOVE EXISTING PITCH POCKET AND PROVIDE NEW PITCH POCKET. SEE DETAIL 4/A211.
- 20 EXISTING DRIP LINE TO REMAIN. PROVIDE NEW PIPE SUPPORTS. SEE DETAIL 5/A211.
- 21 REMOVE EXISTING (2) DUCTWORK SUPPORT RAILS AND PROVIDE NEW NON-PENETRATING DUCTWORK SUPPORTS. SEED DETAIL 6/A211.
- 22 EXISTING DUCTWORK TO REMAIN. REMOVE FOR INSTALLATION OF NEW DUCTWORK SUPPORTS AND ROOF SYSTEM AND REINSTALL. COORDINATE WITH OWNER.
- 23 REMOVE EXISTING EXPANSION JOINT AND PROVIDE NEW WOOD BLOCKING EXPANSION JOINT AND EXPANSION JOINT COVER.
- 24 PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED 1-1/2" RIGID INSULATION, (1) LAYER ADHESIVELY ADHERED ¾" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- 25 PROVIDE NEW INTERLOCKING RUBBER WALKWAY PADS AS INDICATED ON DRAWING.
- 26 PROVIDE NEW MODIFIED BITUMEN FLASHINGS AND STRIPPINGS.
- 27 PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.

PROJECT TWO-ALTERNATE THREE WORK: AREA 13:

- 28 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- 29 EXG GRAVITY ROOF VENT (GRV) TO REMAIN. SEE DETAIL 3/A210.
- 30 REMOVE EXISTING METAL FASCIA AND FASCIA EXTENDER AND PROVIDE NEW METAL FASCIA AND FASCIA EXTENDER.
- 31 EXG (2) ROOF SUMPS AND (2) OVERFLOW ROOF SUMPS TO REMAIN. RESET EXG CLAMPING RINGS AND STRAINERS IN NEW LEAD FLASHING.
- 32 EXISTING LADDER TO REMAIN.
- 33 EXISTING (4) DOWNSPOUTS TO REMAIN. PROVIDE NEW CONCRETE SPLASH BLOCKS.
- 34 PROVIDE NEW (1) LAYER 1 ¾" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER ¾-12 (¾" START THICKNESS) MECHANICALLY ATTACHED TAPERED INSULATION, (1) LAYER ADHESIVELY ADHERED ¾" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- 35 PROVIDE NEW INTERLOCKING RUBBER WALKWAY PADS AS INDICATED ON DRAWING.
- 36 PROVIDE NEW MODIFIED BITUMEN FLASHINGS AND STRIPPINGS.
- 37 PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.



PROJECT TWO- ROOFING
WESTLAKE ELEMENTARY SCHOOL
271 N SIGBEE ST
INDIANAPOLIS, IN 46214



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46274
Tel: 260.748.0591
Fax: 317.536.3930

PROJECT TITLE: **WE ARE WAYNE!**
OPEN SCHOOLS: A GRESH COMMUNITY

2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its intent, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

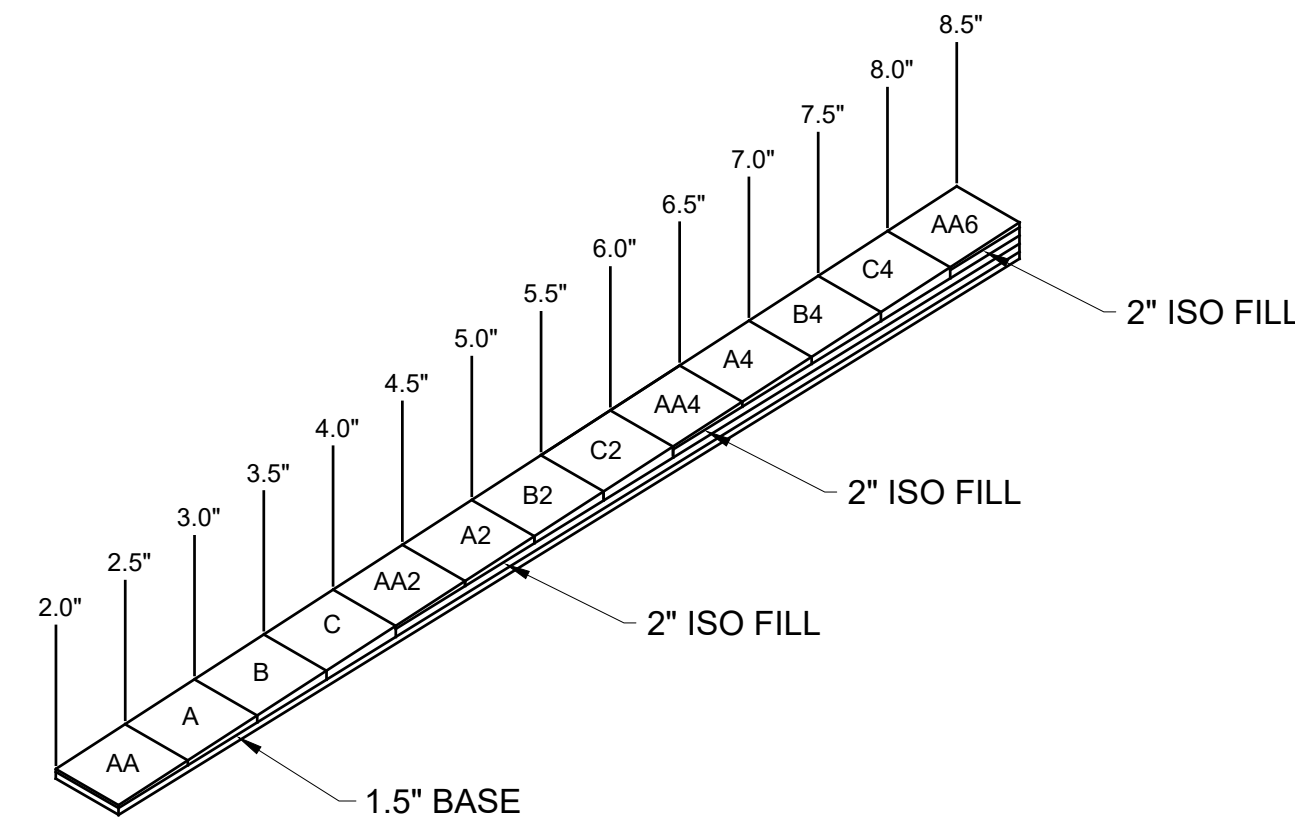
PROJECT NUMBER:
200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

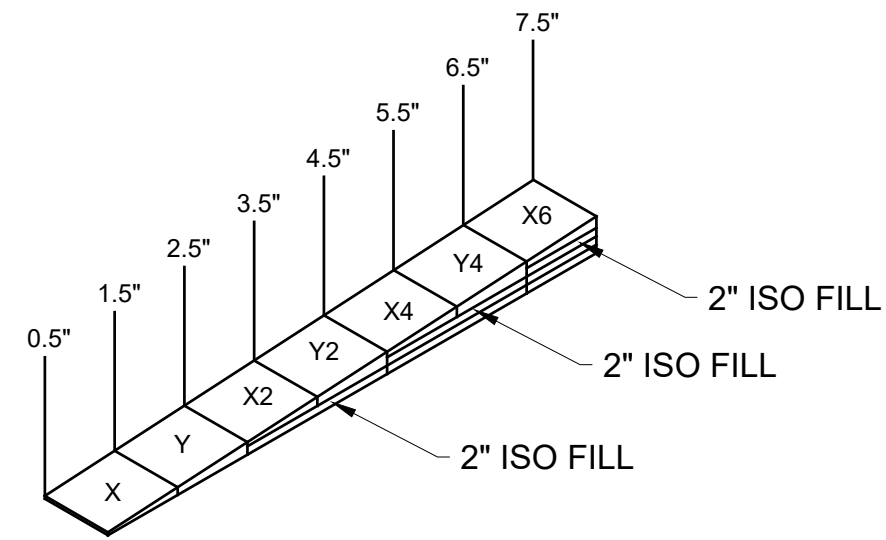
DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC

DRAWING TITLE:
**WESTLAKE ELEMENTARY
PARTIAL ROOF PLAN**

SHEET NUMBER:
A203



1/8" PER FT. TAPER INSULATION CROSS-SECTION
SCALE: NTS



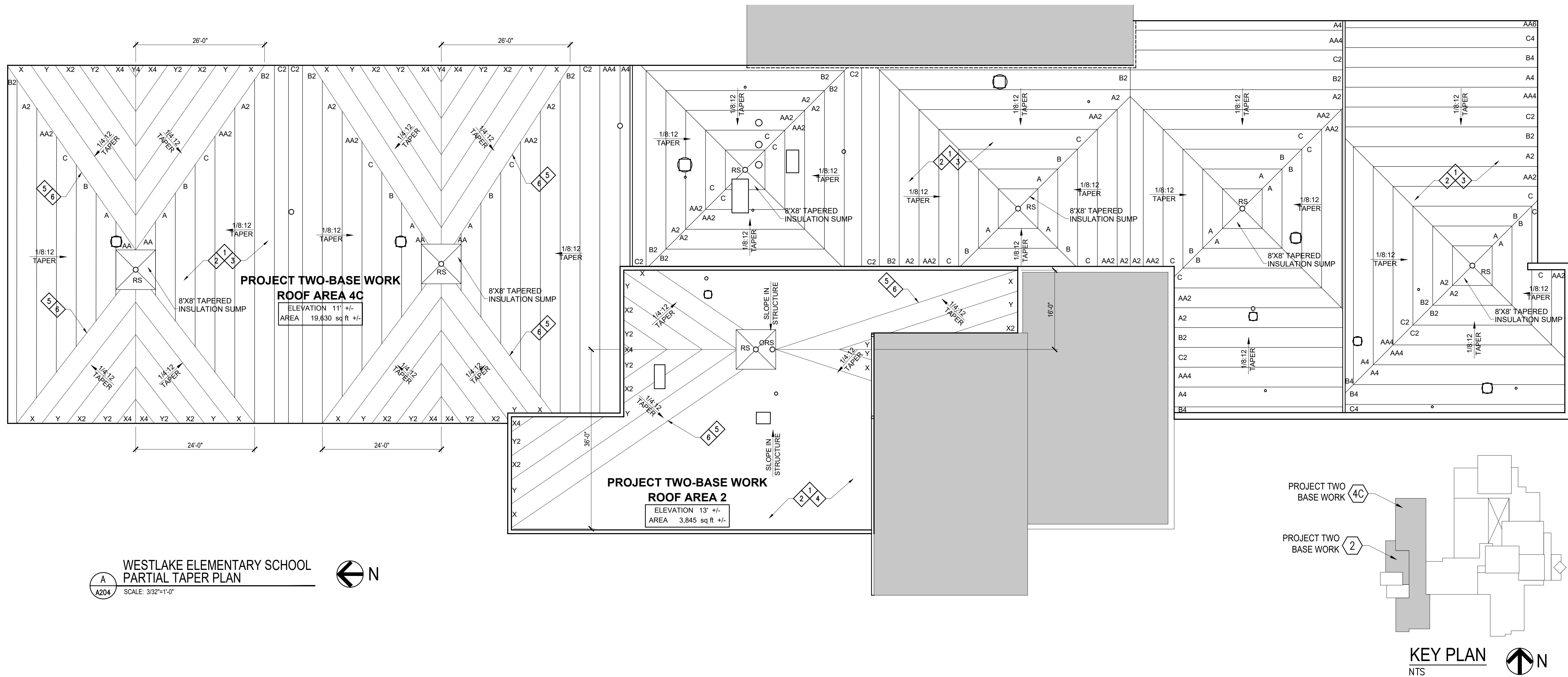
1/4" PER FT. TAPER SADDLE CROSS-SECTION
SCALE: NTS

1/4:12 TAPER SADDLE PANEL SCHEDULE				
X	TAPERED	0.50"-1.5"	4'x4'	1/4"/FT
Y	TAPERED	1.5"-2.5"	4'x4'	1/4"/FT
2"	FILL	2"	4'x4'	FLAT

1/8:12 TAPER INSULATION PANEL SCHEDULE				
AA	TAPERED	0.5"-1.0"	4'x4'	1/8"/FT
A	TAPERED	1.0"-1.5"	4'x4'	1/8"/FT
B	TAPERED	1.5"-2.0"	4'x4'	1/8"/FT
C	TAPERED	2.0"-2.5"	4'x4'	1/8"/FT
2"	FILL	2"	4'x4'	FLAT
1.5"	BASE	1.5"	4'x4'	FLAT

TAPER INSULATION ROOF PLAN - SCOPE OF WORK:

- 1 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, ASPHALTIC MATERIAL AND STRIPPINGS.
- 2 AFTER EXISTING ROOF SYSTEM IS REMOVED, ROOFING CONTRACTOR IS TO VERIFY THAT EXISTING DECK IS LEVEL. IF ANY DEFLECTION IS FOUND THAT WILL AFFECT DRAINAGE, THE ROOFING CONTRACTOR IS TO FILL THOSE AREAS IN ORDER TO PROVIDE A LEVEL SURFACE PRIOR TO INSTALLING ANY NEW ROOF INSULATION.
- 3 PROVIDE NEW (1) LAYER 1.5" ADHESIVELY ADHERED RIGID INSULATION, (1) LAYER 3/12 (3/4" START THICKNESS) ADHESIVELY ADHERED TAPERED INSULATION, (1) LAYER ADHESIVELY ADHERED 3/4" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- 4 PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED 1-1/2" RIGID INSULATION, (1) LAYER ADHESIVELY ADHERED 3/4" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- 5 PROVIDE NEW 1/4:12 ADHESIVELY ADHERED TAPERED INSULATION SADDLE.
- 6 PROVIDE NEW TAPERED EDGE STRIPS AT THE BASE OF ALL SADDLES TO PROVIDE SMOOTH TRANSITION.



PROJECT ONE- ROOFING
WESTLAKE ELEMENTARY SCHOOL
271 N SIGBEE ST
INDIANAPOLIS, IN 46214

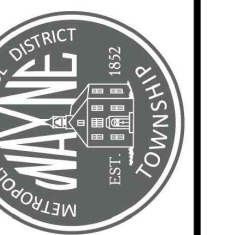


www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

WE ARE WAYNE!
OPEN SCHOOLS = BETTER COMMUNITY



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its sale, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

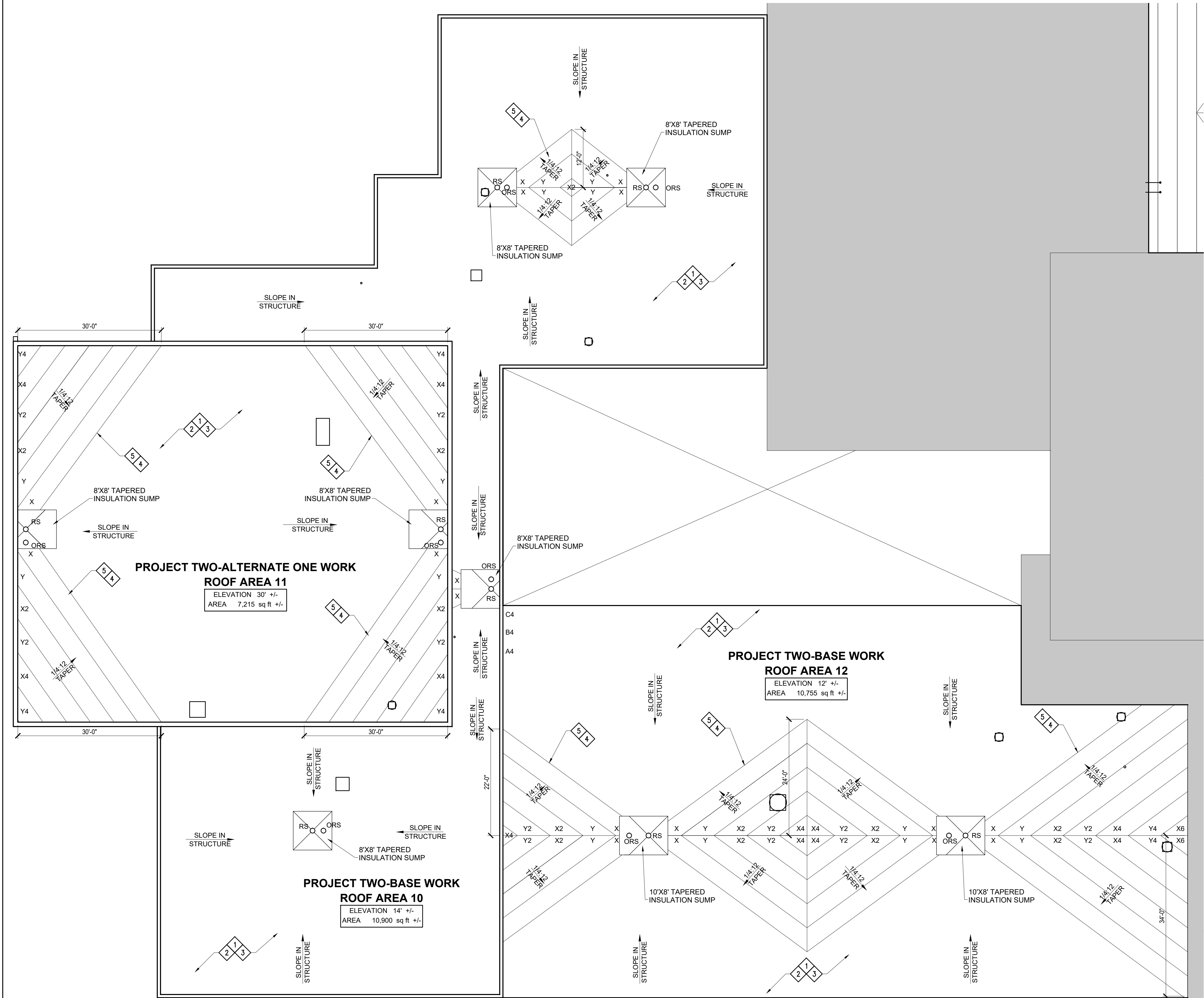
DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC

DRAWING TITLE:

WESTLAKE
ELEMENTARY
PARTIAL TAPER PLAN

SHEET NUMBER:

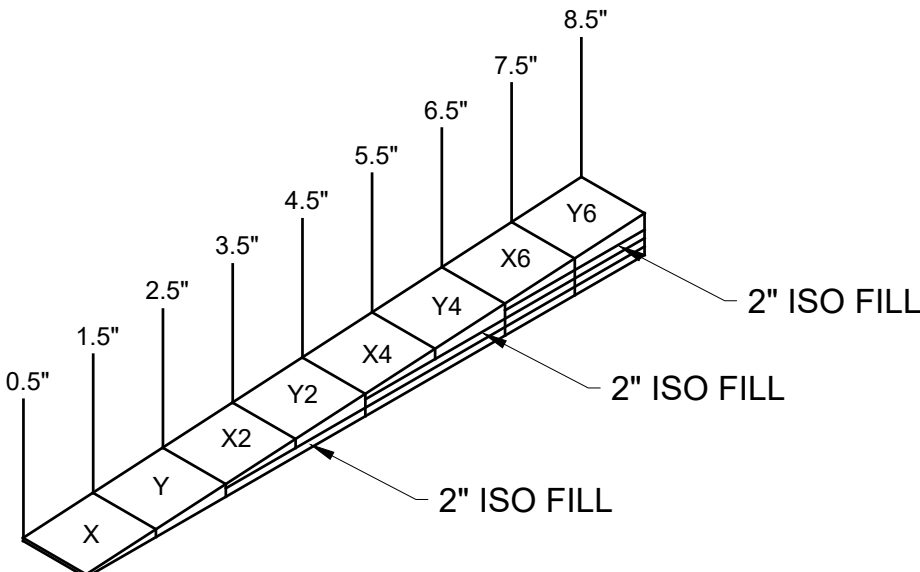
A204



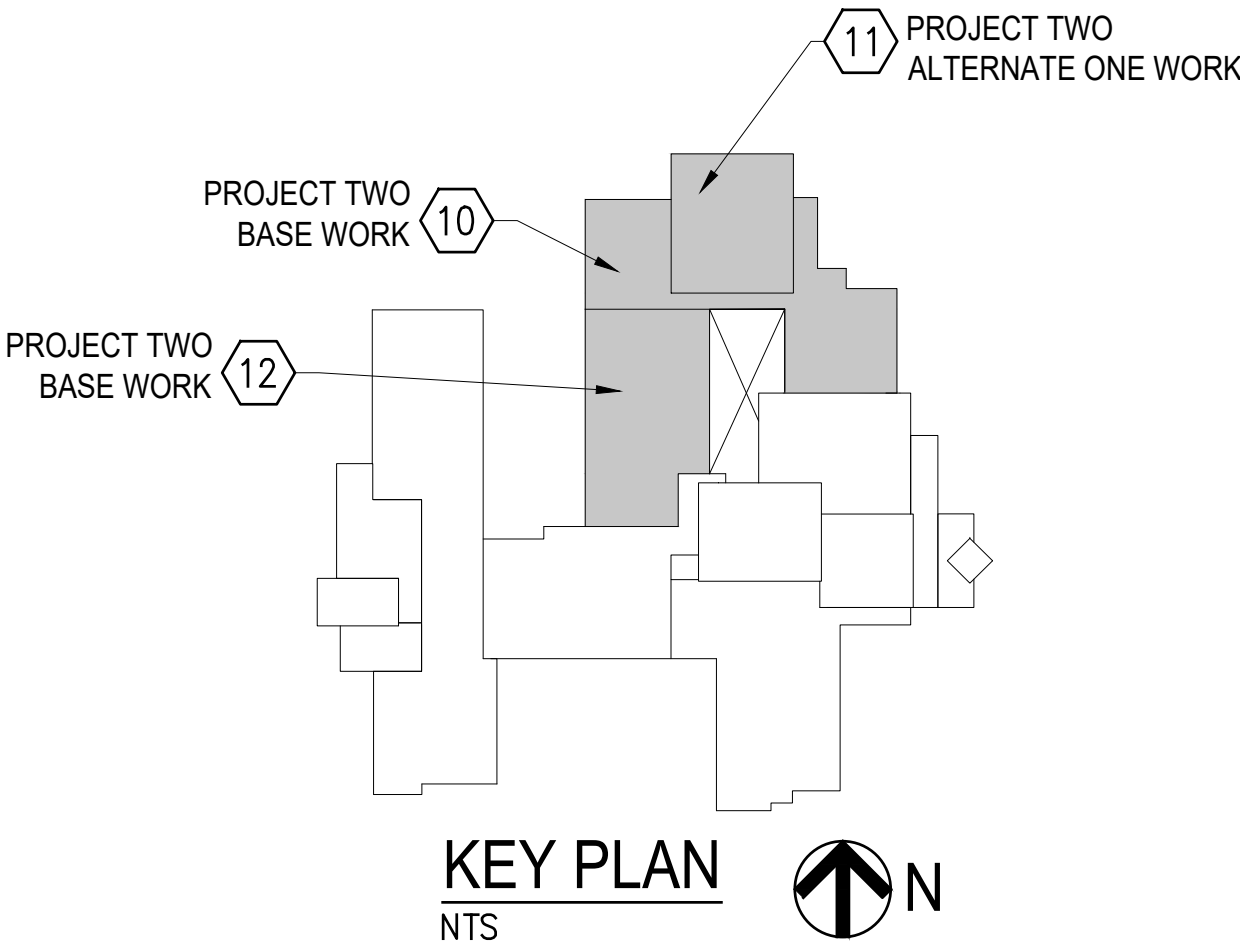
TAPER INSULATION ROOF PLAN - SCOPE OF WORK:

- 1 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- 2 AFTER EXISTING ROOF SYSTEM IS REMOVED, ROOFING CONTRACTOR IS TO VERIFY THAT EXISTING DECK IS LEVEL. IF ANY DEFLECTION IS FOUND THAT WILL AFFECT DRAINAGE, THE ROOFING CONTRACTOR IS TO FILL THOSE AREAS IN ORDER TO PROVIDE A LEVEL SURFACE PRIOR TO INSTALLING ANY NEW ROOF INSULATION.
- 3 PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED 1-1/2" RIGID INSULATION, (1) LAYER ADHESIVELY ADHERED 3/8" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- 4 PROVIDE NEW 1/4:12 ADHESIVELY ADHERED TAPERED INSULATION SADDLE.
- 5 PROVIDE NEW TAPERED EDGE STRIPS AT THE BASE OF ALL SADDLES TO PROVIDE SMOOTH TRANSITION.

1/4:12 TAPER SADDLE PANEL SCHEDULE				
X	TAPERED	0.50"-1.5"	4'x4'	1/4"/FT
Y	TAPERED	1.5"-2.5"	4'x4'	1/4"/FT
2"	FILL	2"	4'x4'	FLAT



1/4" PER FT. TAPER SADDLE CROSS-SECTION
SCALE: NTS



PROJECT TWO- ROOFING
WESTLAKE ELEMENTARY SCHOOL
271 N SIGBEE ST
INDIANAPOLIS, IN 46214

Etica

GROUP

www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

WE ARE WAYNE!
OPEN SCHOOLS, OPEN COMMUNITY

2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc.. It is intended solely for use by the etica group, inc., its heirs, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

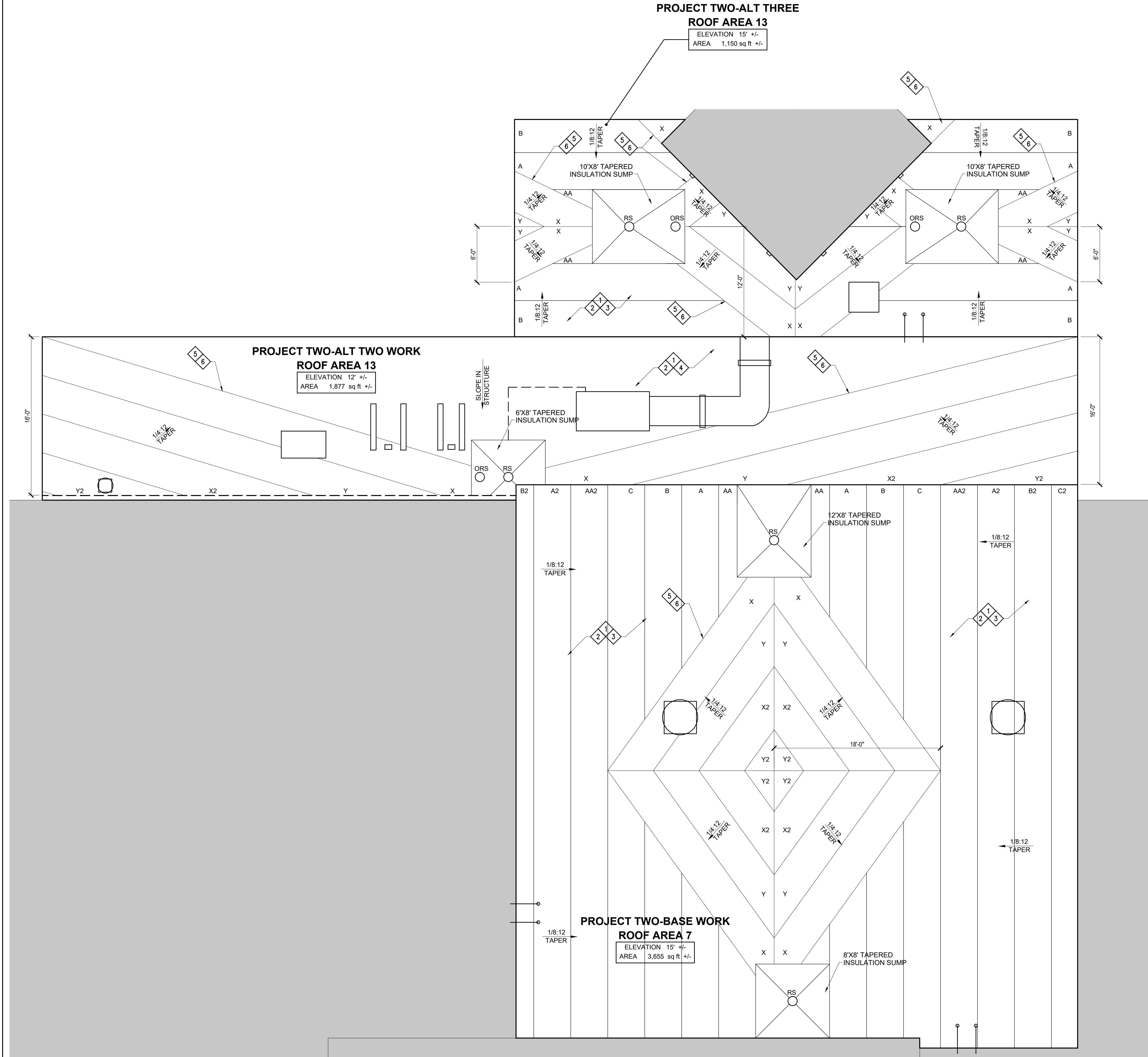
PROFESSIONAL SEAL:

PROJECT NUMBER:		
200220		
DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC

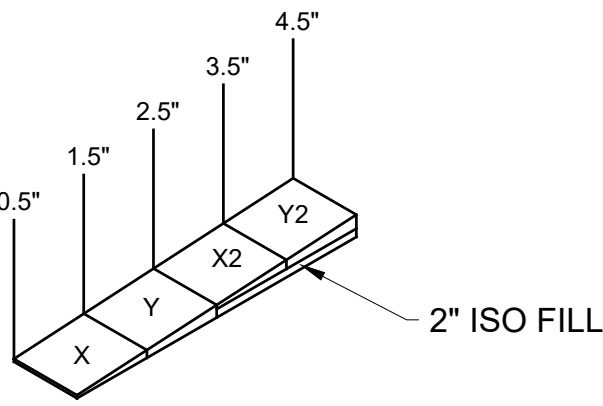
DRAWING TITLE:
WESTLAKE
ELEMENTARY
PARTIAL TAPER PLAN

SHEET NUMBER:
A205



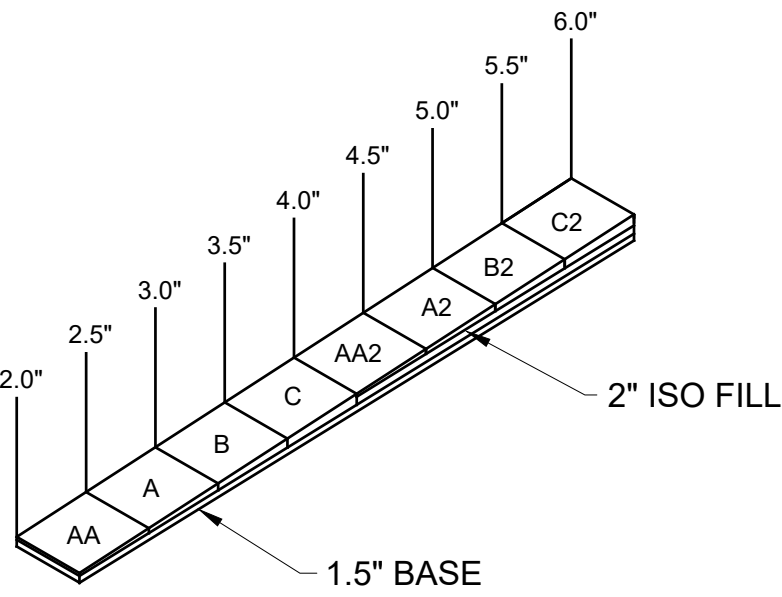
TAPER INSULATION ROOF PLAN - SCOPE OF WORK:

- 1 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- 2 AFTER EXISTING ROOF SYSTEM IS REMOVED, ROOFING CONTRACTOR IS TO VERIFY THAT EXISTING DECK IS LEVEL. IF ANY DEFLECTION IS FOUND THAT WILL AFFECT DRAINAGE, THE ROOFING CONTRACTOR IS TO FILL THOSE AREAS IN ORDER TO PROVIDE A LEVEL SURFACE PRIOR TO INSTALLING ANY NEW ROOF INSULATION.
- 3 PROVIDE NEW (1) LAYER 1.5" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER 1/2" (3/4" START THICKNESS) MECHANICALLY ATTACHED TAPERED INSULATION, (1) LAYER ADHESIVELY ADHERED 3/4" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- 4 PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED 1-1/2" RIGID INSULATION, (1) LAYER ADHESIVELY ADHERED 3/4" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- 5 PROVIDE NEW 1/4:12 ADHESIVELY ADHERED TAPERED INSULATION SADDLE.
- 6 PROVIDE NEW TAPERED EDGE STRIPS AT THE BASE OF ALL SADDLES TO PROVIDE SMOOTH TRANSITION.



1/4" PER FT. TAPER SADDLE CROSS-SECTION

SCALE: NTS

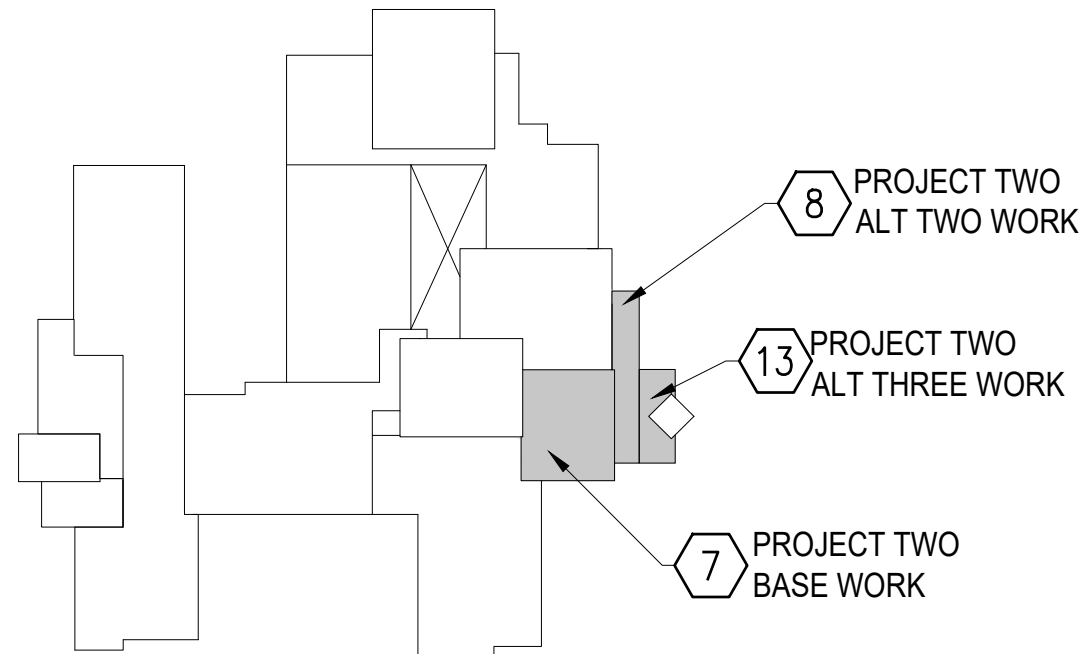


1/8" PER FT. TAPER INSULATION CROSS-SECTION

SCALE: NTS

1/4:12 TAPER SADDLE PANEL SCHEDULE				
X	TAPERED	0.50"-1.5"	4'x4'	1/4"/FT
Y	TAPERED	1.5"-2.5"	4'x4'	1/4"/FT
2"	FILL	2"	4'x4'	FLAT

1/8:12 TAPER INSULATION PANEL SCHEDULE				
AA	TAPERED	0.5"-1.0"	4'x4'	1/8"/FT
A	TAPERED	1.0"-1.5"	4'x4'	1/8"/FT
B	TAPERED	1.5"-2.0"	4'x4'	1/8"/FT
C	TAPERED	2.0"-2.5"	4'x4'	1/8"/FT
2"	FILL	2"	4'x4'	FLAT
1.5"	BASE	1.5"	4'x4'	FLAT



KEY PLAN
NTS



PROJECT TWO- ROOFING
WESTLAKE ELEMENTARY SCHOOL
271 N SIGBEE ST
INDIANAPOLIS, IN 46214



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc., its heirs, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC

DRAWING TITLE:

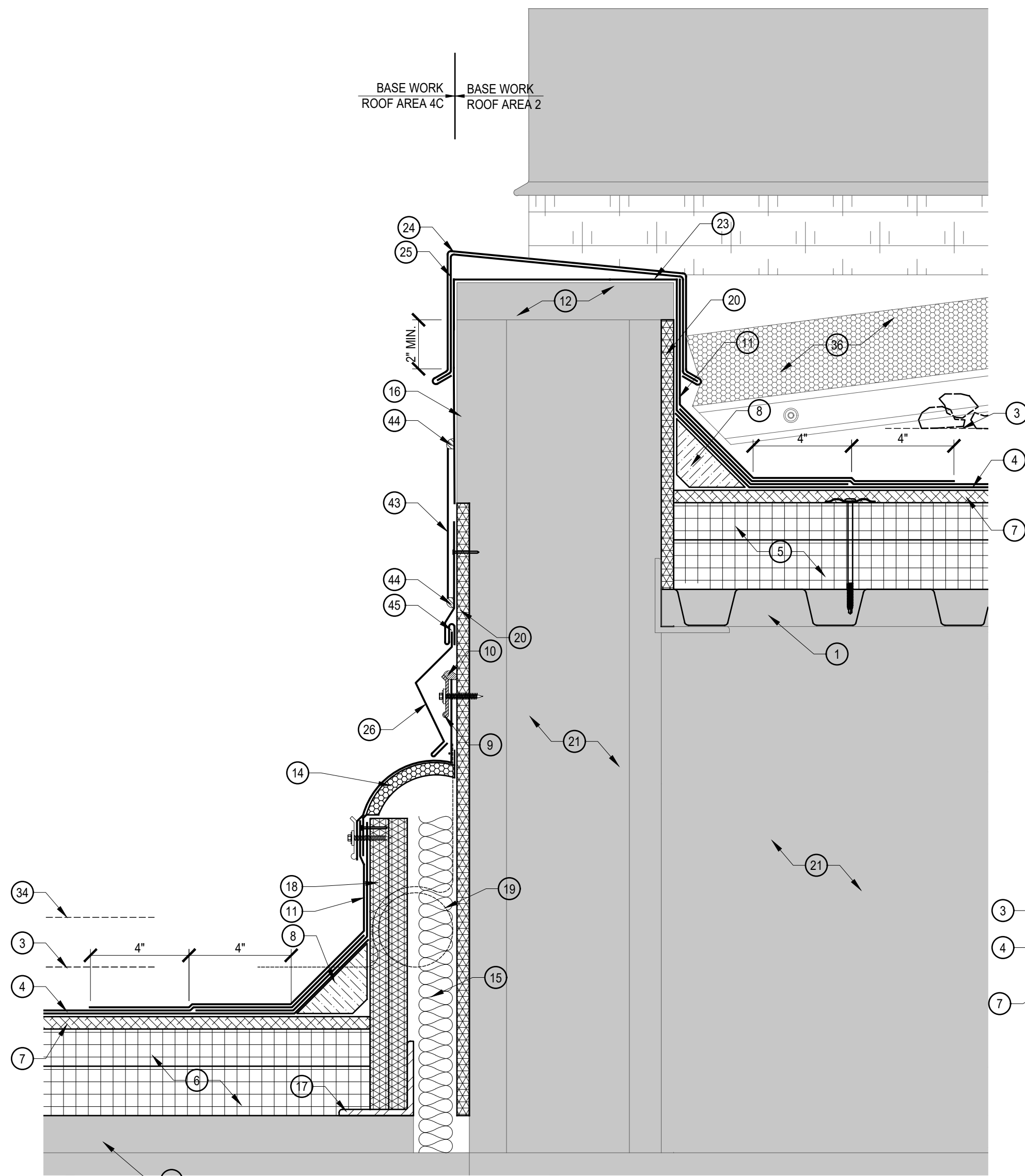
WESTLAKE
ELEMENTARY
PARTIAL TAPER PLAN

SHEET NUMBER:

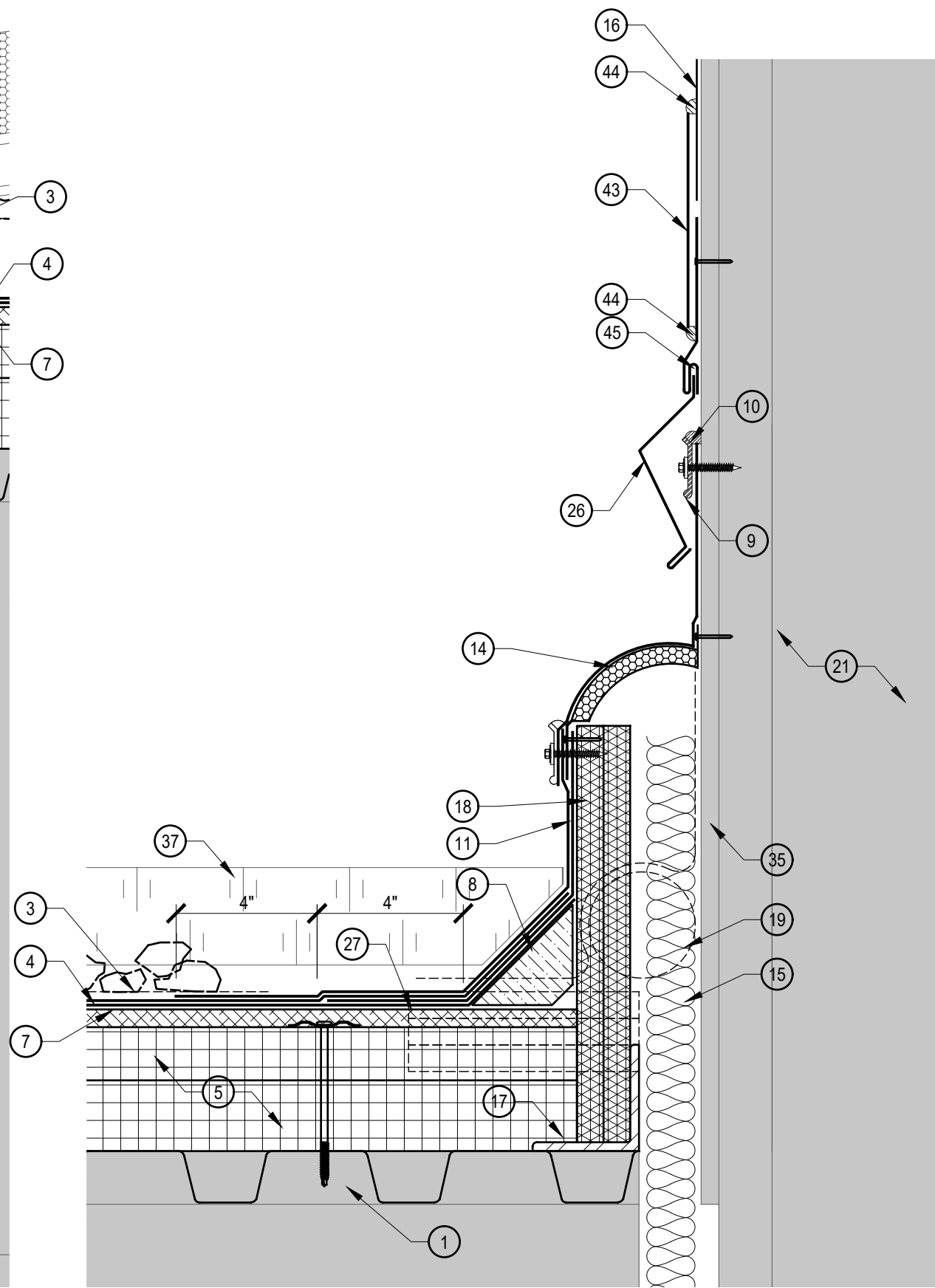
A206

WESTLAKE ELEMENTARY SCHOOL
PARTIAL TAPER PLAN
SCALE: 3/16"=1'-0"

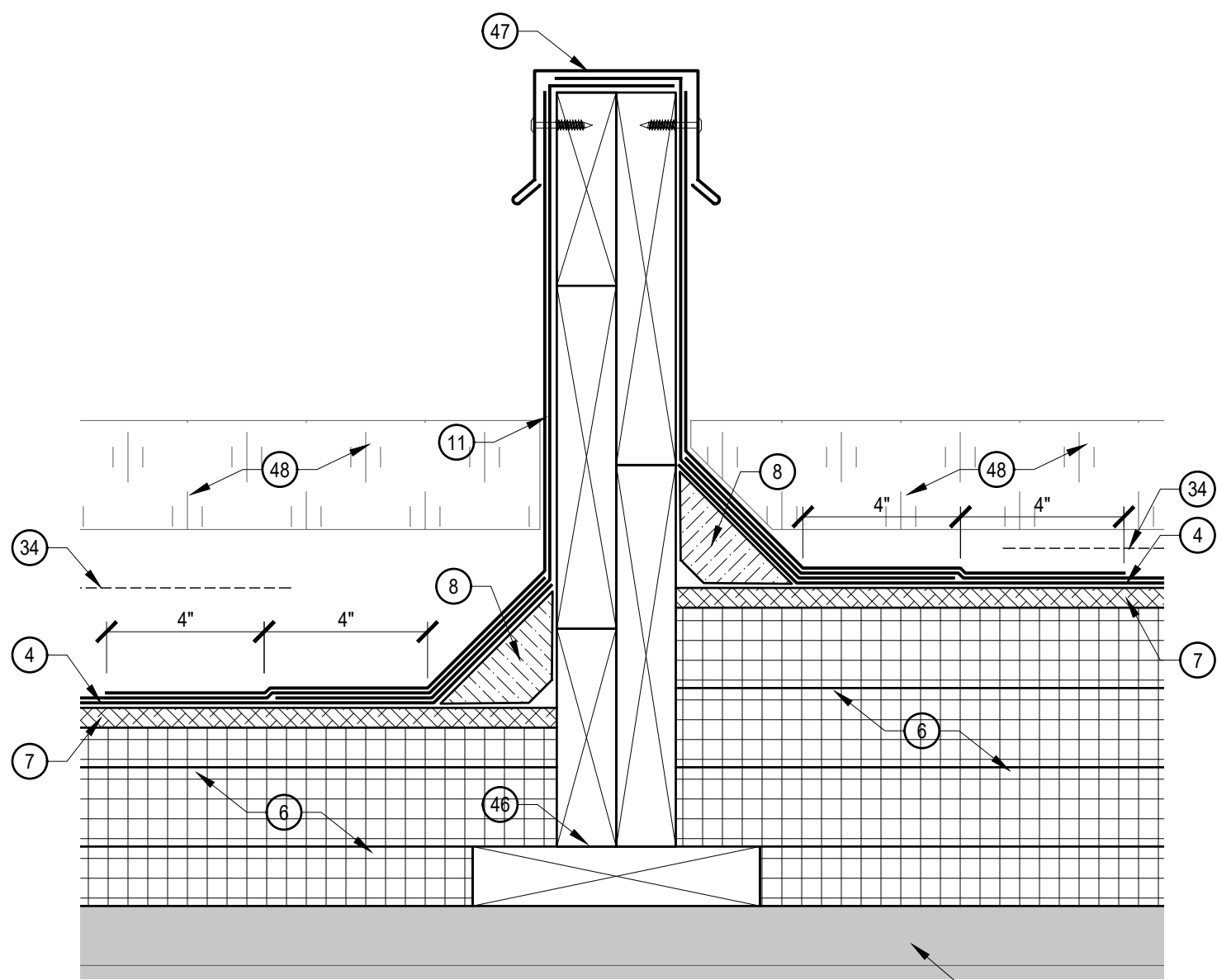




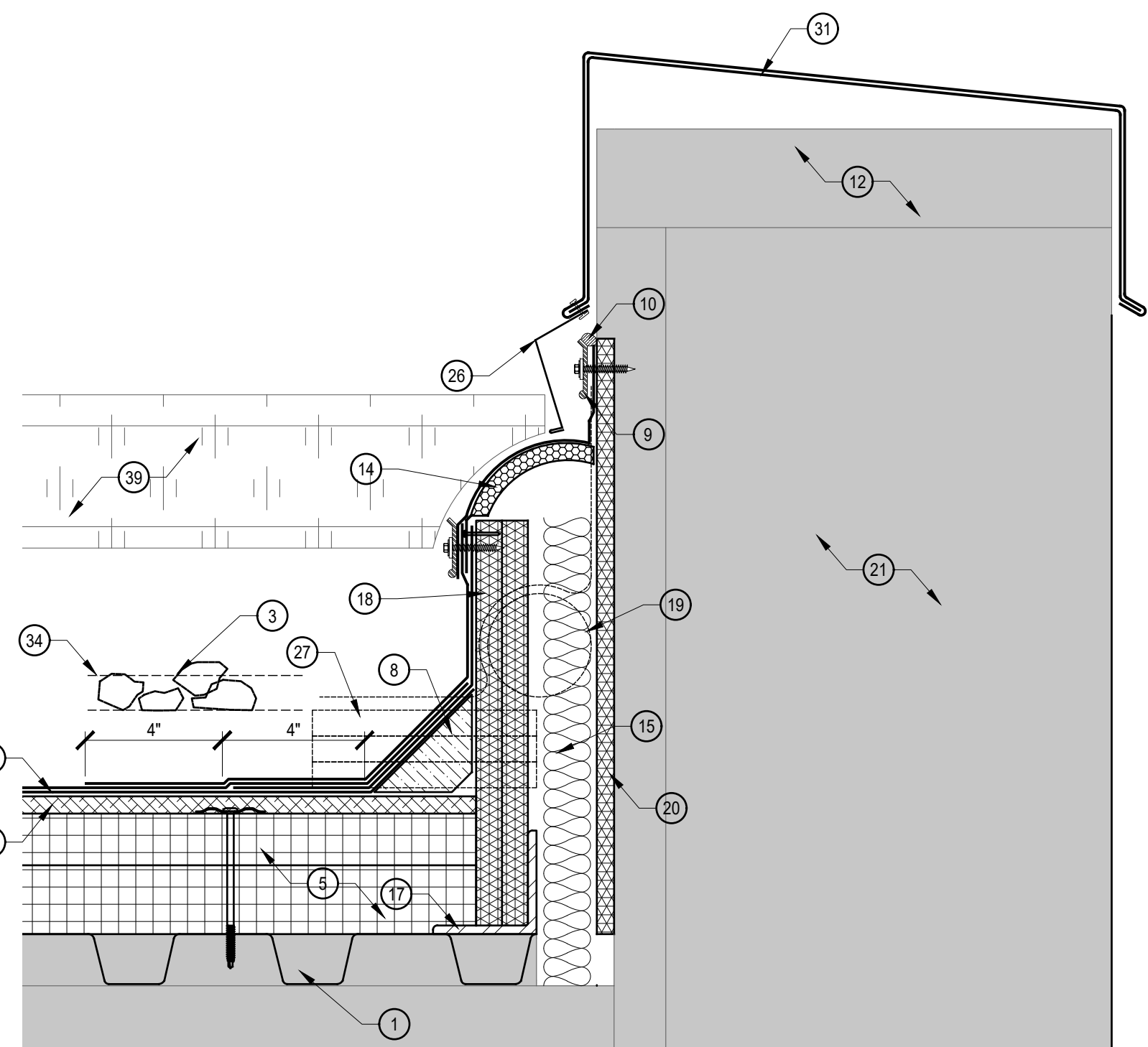
1 WALL EXPANSION JOINT AND COPING
A207 SCALE: 3"=10"



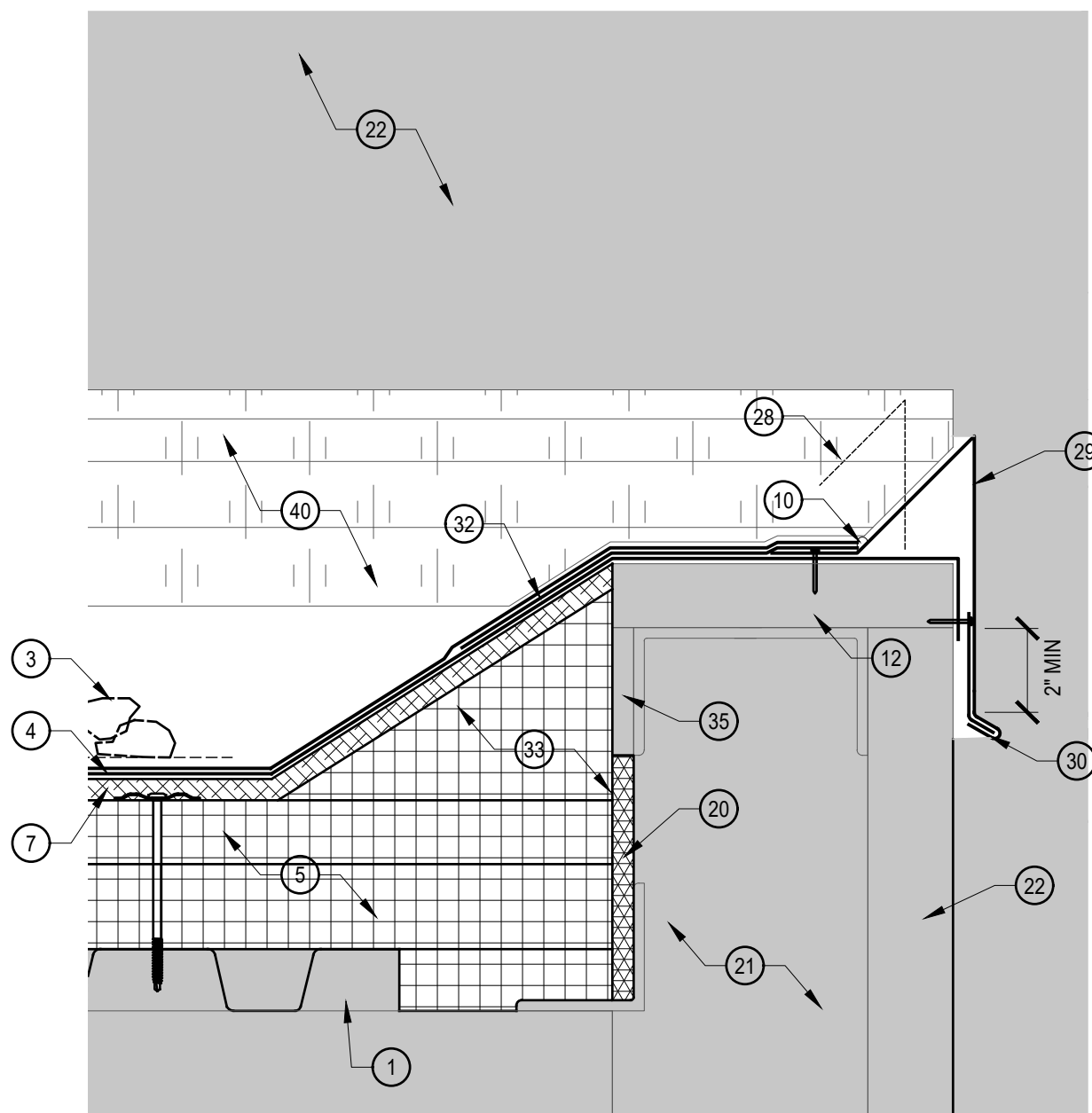
2 WALL EXPANSION JOINT
A207 SCALE: 3"=10"



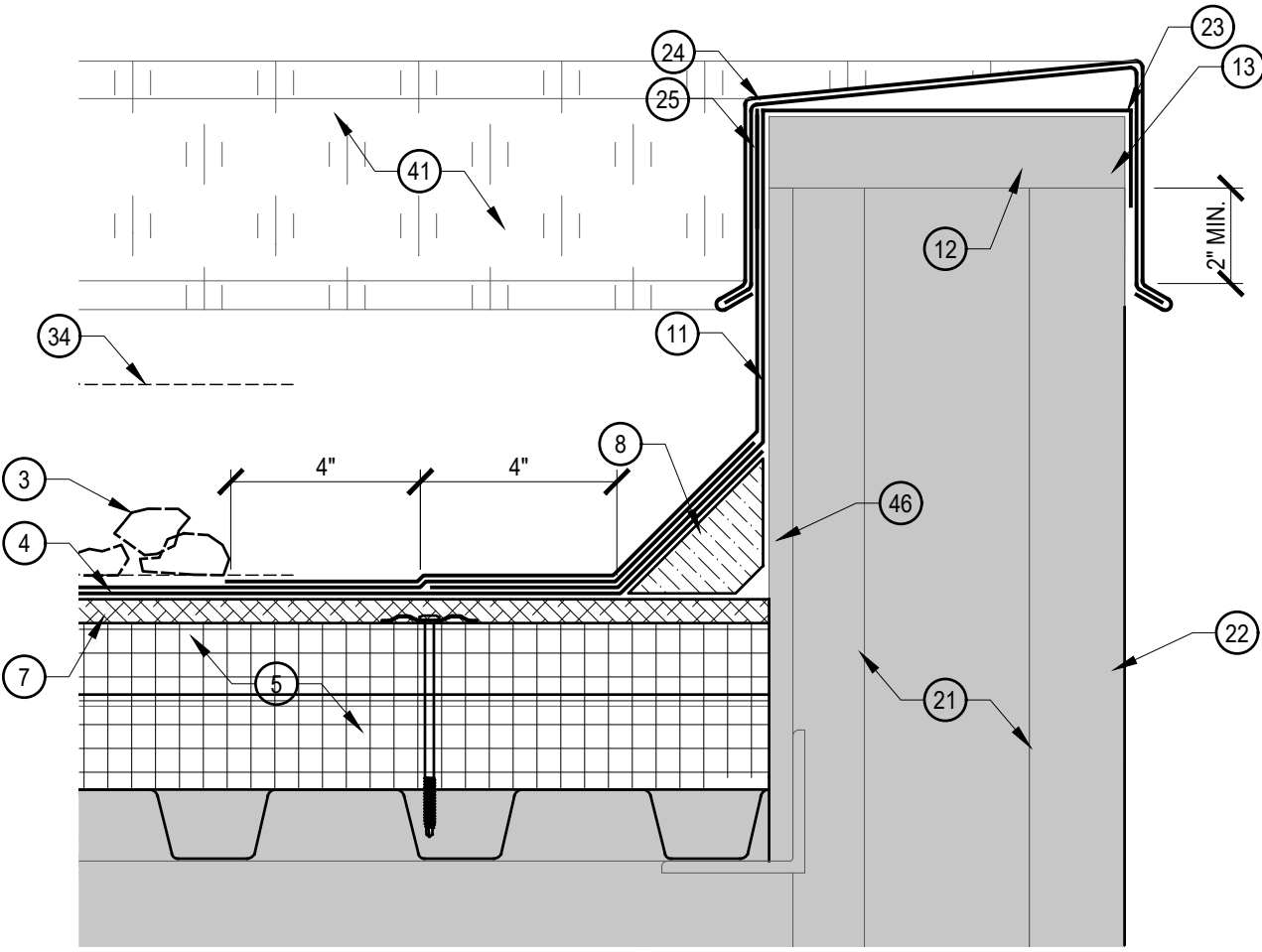
3 AREA SEPERATION CURB
A207 SCALE: 3"=10"



4 WALL EXPANSION JOINT @ COPING
A207 SCALE: 3"=10"



5 FASCIA
A207 SCALE: 3"=10"



6 COPING
A207 SCALE: 3"=10"

DETAIL KEY NOTES

- EXISTING METAL DECK.
- EXISTING CONCRETE DECK.
- REMOVE EXISTING ROOF SYSTEM, INSULATIONS, FLASHINGS AND STRIPPINGS.
- PROVIDE NEW 2 PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW MECHANICALLY ATTACHED RIGID INSULATION BOARD.
- PROVIDE NEW ADHESIVELY ADHERED RIGID INSULATION BOARD.
- PROVIDE NEW ADHESIVELY ADHERED RECOVER BOARD INSULATION.
- PROVIDE NEW CONTINUOUS FIBER CANT STRIP SET IN BED OF ROOF CEMENT. SHAVE DOWN CANT STRIP TO ACCOMMODATE FOR NEW INSULATION HEIGHT IF NECESSARY.
- PROVIDE NEW 1" SURFACE MOUNTED TERMINATION BAR, MECHANICALLY ATTACHED 12" O.C. MAX. MITER TERMINATION BAR AT ALL VERTICAL TRANSITIONS.
- PROVIDE NEW CONTINUOUS BEAD OF MANUFACTURER'S MASTIC.
- CLEAN AND PRIME EXISTING SUBSTRATE. PROVIDE NEW 2 PLY MODIFIED BITUMEN BASE FLASHING.
- EXISTING WOOD BLOCKING TO REMAIN. REPLACE ANY DAMAGED OR DETERIORATED WOOD BLOCKING WITH NEW.
- PROVIDE NEW PRESSURE TREATED WOOD BLOCKING SECURELY ATTACHED TO EXISTING SUBSTRATE.
- PROVIDE NEW FLEXIBLE EXPANSION JOINT COVER. STRIP OFF EXPANSION JOINT NAILING FLANGE WITH TOP PLY OF NEW MODIFIED BITUMEN BASE FLASHING. SECURE EPDM COVER WITH NEW SURFACE MOUNTED TERMINATION BAR. TRIM EPDM COVER FLUSH WITH BOTTOM OF TERMINATION BAR.
- PROVIDE NEW FIBERGLASS BATT INSULATION TO FILL JOINT IN EXPANSION JOINT CURB.
- PORTION OF EXISTING EPDM TO REMAIN
- PROVIDE NEW 3"x4"x $\frac{3}{8}$ " STEEL ANGLES 24" LONG, 24" O.C., SECURELY ATTACHED TO EXISTING SUBSTRATE.
- PROVIDE NEW (2) LAYERS OF EXTERIOR GRADE PRESSURE TREATED PLYWOOD MECHANICALLY ATTACHED TO NEW STEEL ANGLES.
- REMOVE EXISTING EXPANSION JOINT.
- PROVIDE NEW EXTERIOR GRADE PRESSURE TREATED PLYWOOD.
- EXISTING STRUCTURE TO REMAIN.
- EXISTING EIFS TO REMAIN.
- PROVIDE NEW ICE/WATER SHIELD MEMBRANE. TURN NEW ICE/WATER SHIELD MEMBRANE DOWN MIN 2" ON BACK AND FRONT FACE.
- PROVIDE NEW PREFINISH GI COPING, WITH 12" MIN CONCEALED SPLICE PLATED CENTERED AT JOINTS.
- PROVIDE NEW CONTINUOUS GI COPING CLIP.
- PROVIDE NEW PRE-FINISH GI COUNTER FLASHING MECHANICALLY ATTACHED 6" O.C. MAX.
- REMOVE EXISTING WOOD BLOCKING.
- REMOVE EXISTING FASCIA AND FASCIA EXTENDER.
- PROVIDE NEW PRE-FINISHED GI FASCIA, WITH 12" MIN CONCEALED SPLICE PLATES CENTERED AT JOINTS.
- PROVIDE NEW CONTINUOUS FASCIA CLEAT MECHANICALLY ATTACHED 4" O.C. MAX, STAGGERED.
- EXISTING COPING TO REMAIN.
- PROVIDE NEW MODIFIED BITUMEN STRIPPING.
- PROVIDE NEW TAPERED EDGE STRIPS AND FILLER TO PROVIDE SMOOTH TRANSITION WHERE WOOD BLOCKING IS ABOVE NEW INSULATION HEIGHT. SHAVE AND REDUCE TAPER EDGE STRIP AS REQUIRED TO MAINTAIN SMOOTH TRANSITION AS THICKNESS DECREASES.
- HIGH POINT OF NEW INSULATION. SEE TAPER INSULATION PLAN.
- EXISTING PLYWOOD TO REMAIN. REPLACE ANY DAMAGED OR DETERIORATED PLYWOOD WITH NEW.
- NEW EXPANSION JOINT BEYOND. SEE DETAIL 4/A207.
- NEW FASCIA BEYOND. SEE DETAIL 6/A209.
- NEW FASCIA BEYOND. SEE DETAIL 1/A209.
- NEW COPING BEYOND. SEE DETAIL 1/A207.
- NEW BASE FLASHING BEYOND. SEE DETAIL 9/A208.
- NEW COPING BEYOND. SEE DETAIL 6/A207.
- EXISTING GYPSUM BOARD TO REMAIN. REPLACE ANY DAMAGED OR DETERIORATED GYPSUM BOARD WITH NEW.
- PROVIDE NEW EPDM STRIPPING.
- PROVIDE NEW CONTINUOUS BEAD OF LAP SEALANT.
- PROVIDE NEW PREFINISH GI SURFACE MOUNT RECEIVER.
- PROVIDE NEW WOOD BLOCKING SECURELY ATTACHED TO DECK.
- PROVIDE NEW PRE FINISH AREA SEPERATION CURB CAP.
- NEW FASCIA BEYOND. SEE DETAIL 1/A211.



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930



DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc., its heirs, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC

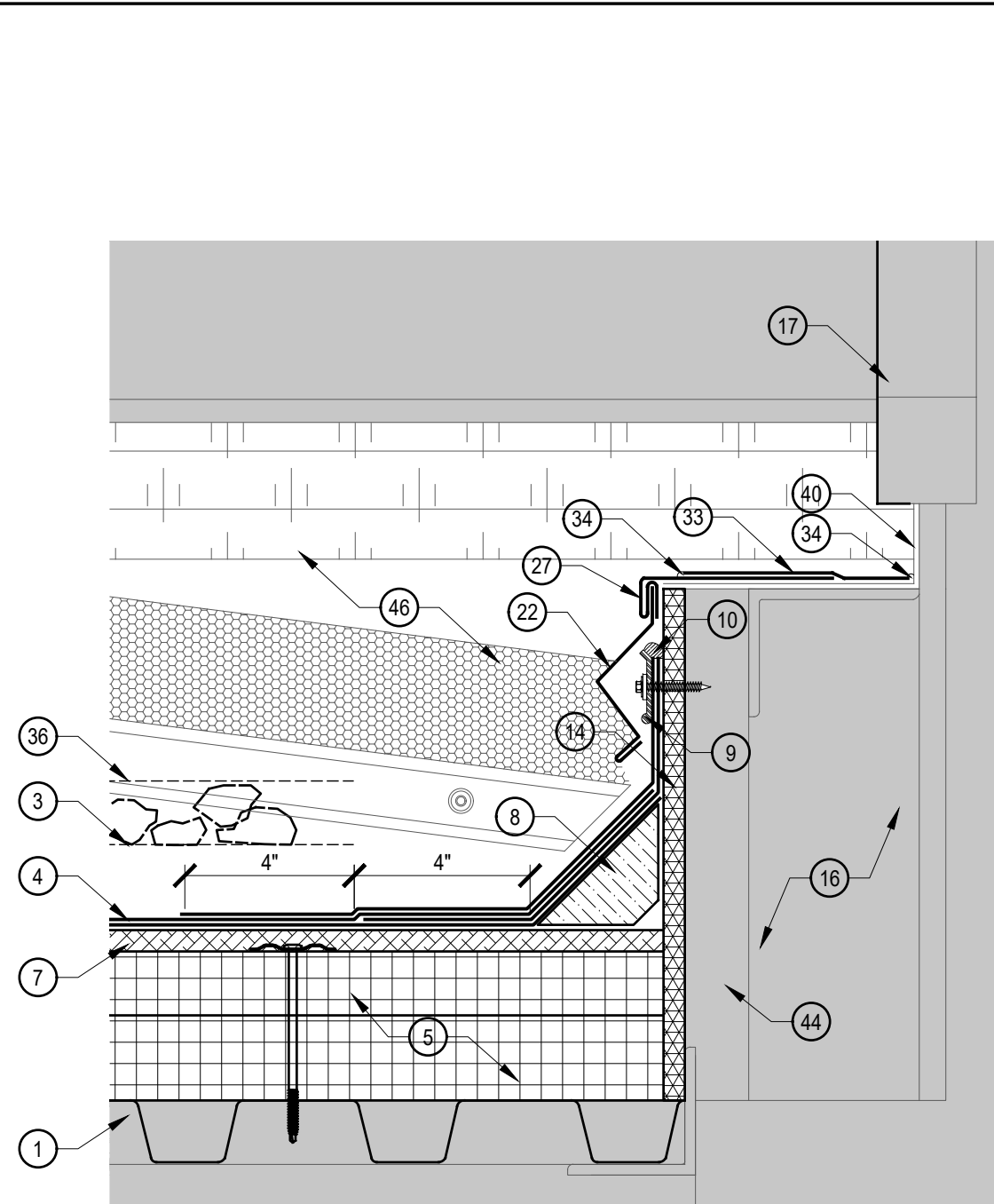
DRAWING TITLE:

WESTLAKE
ELEMENTARY
ROOF DETAILS

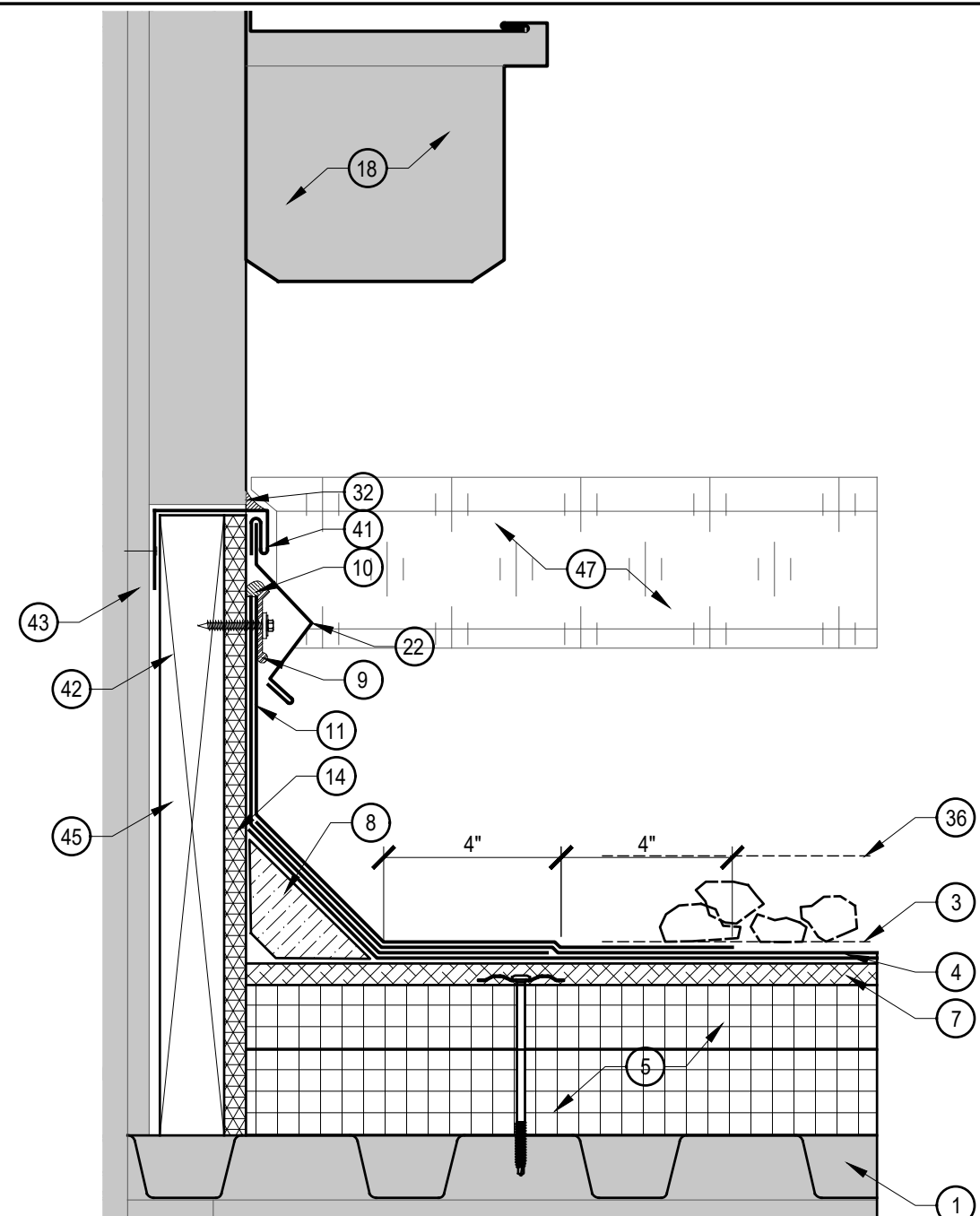
SHEET NUMBER:

A207

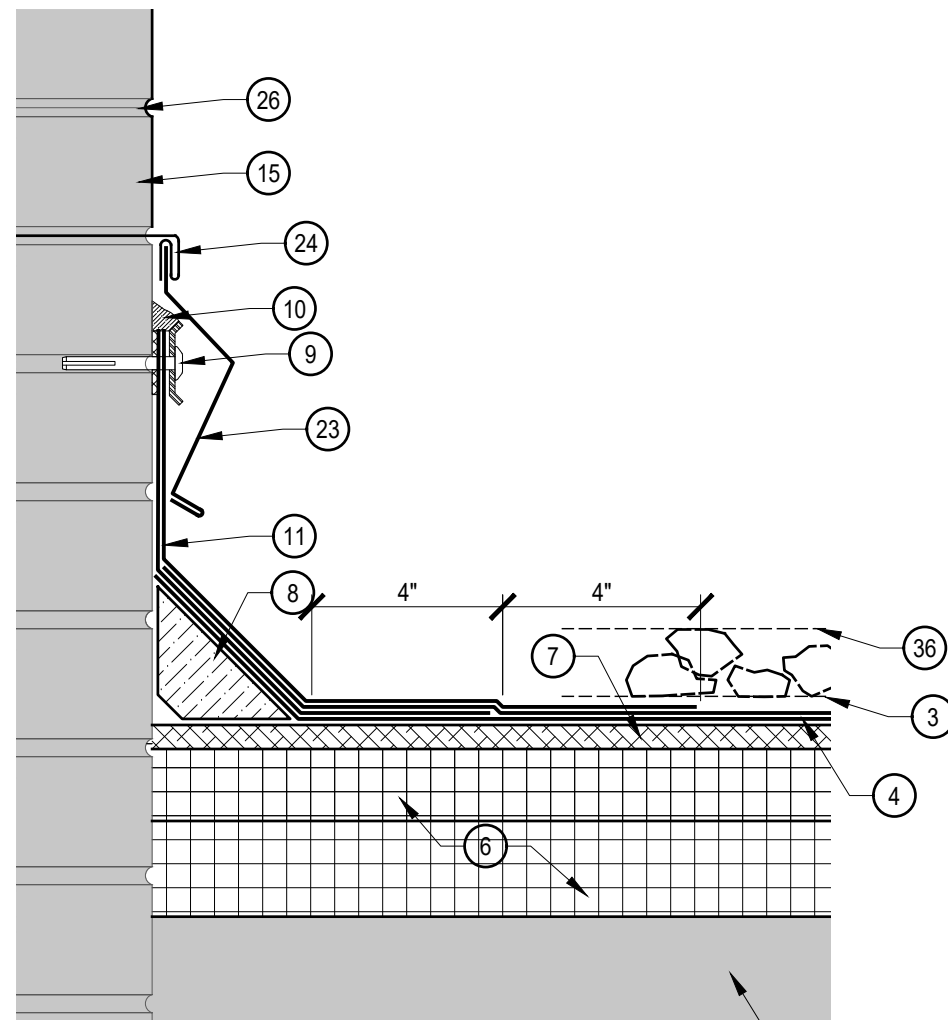
2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS



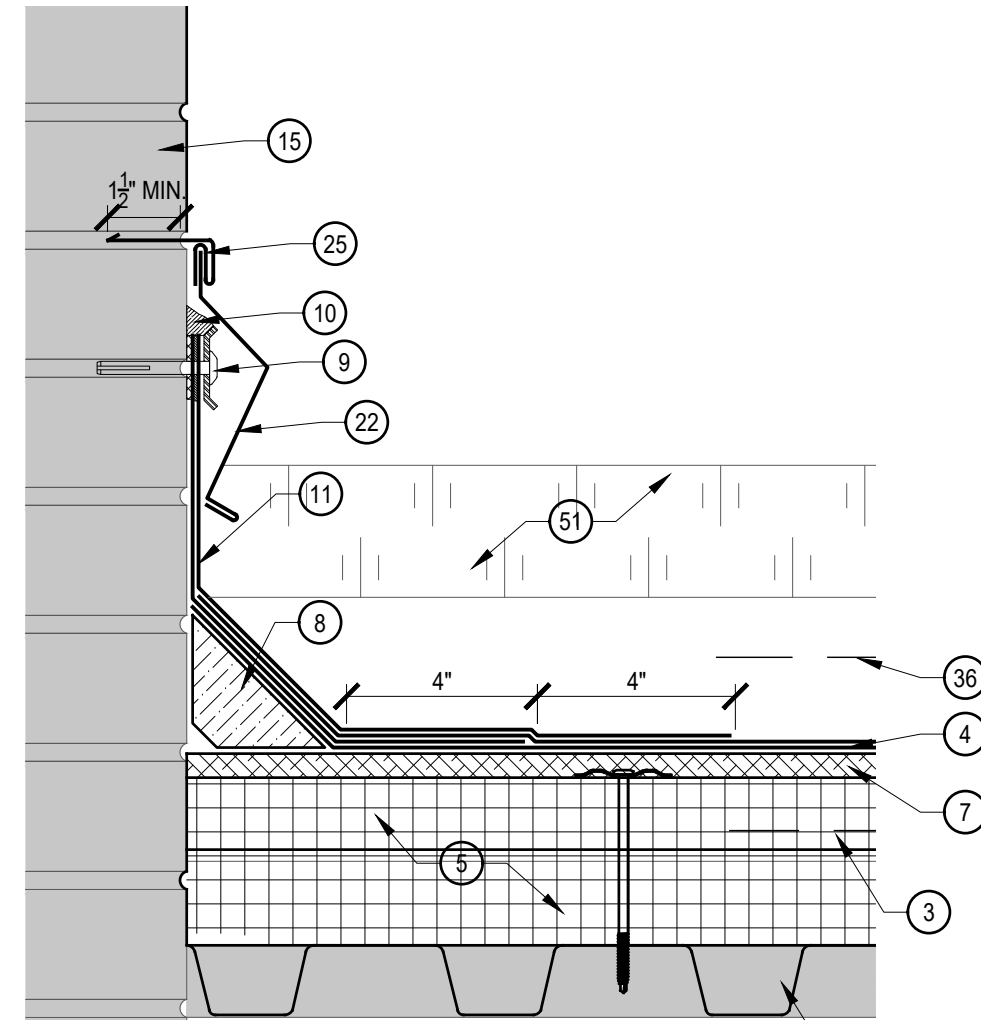
1 BASE FLASHING @ WINDOW
SCALE: 3"=1'0"



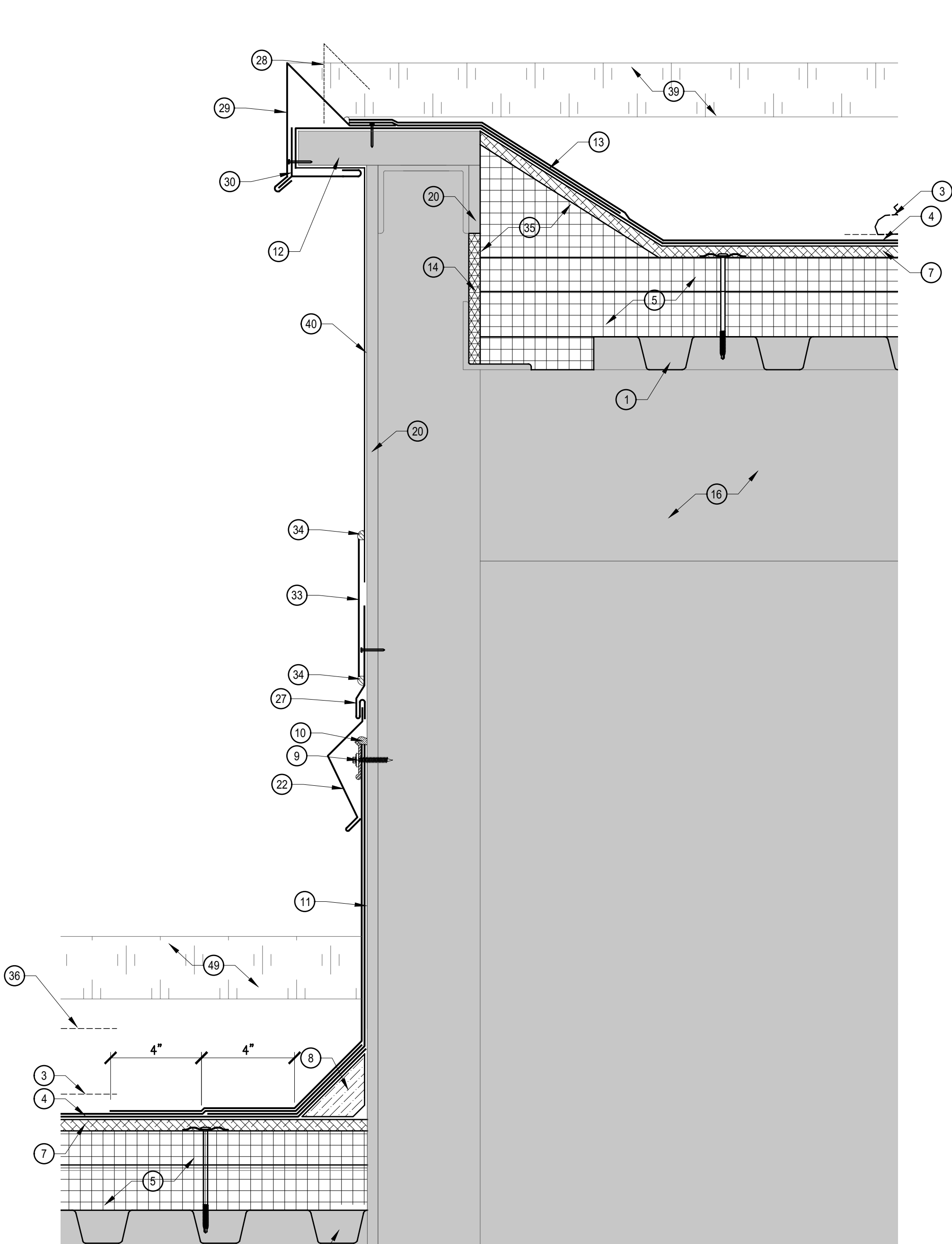
2 BASE FLASHING @ GUTTER
SCALE: 3"=1'0"



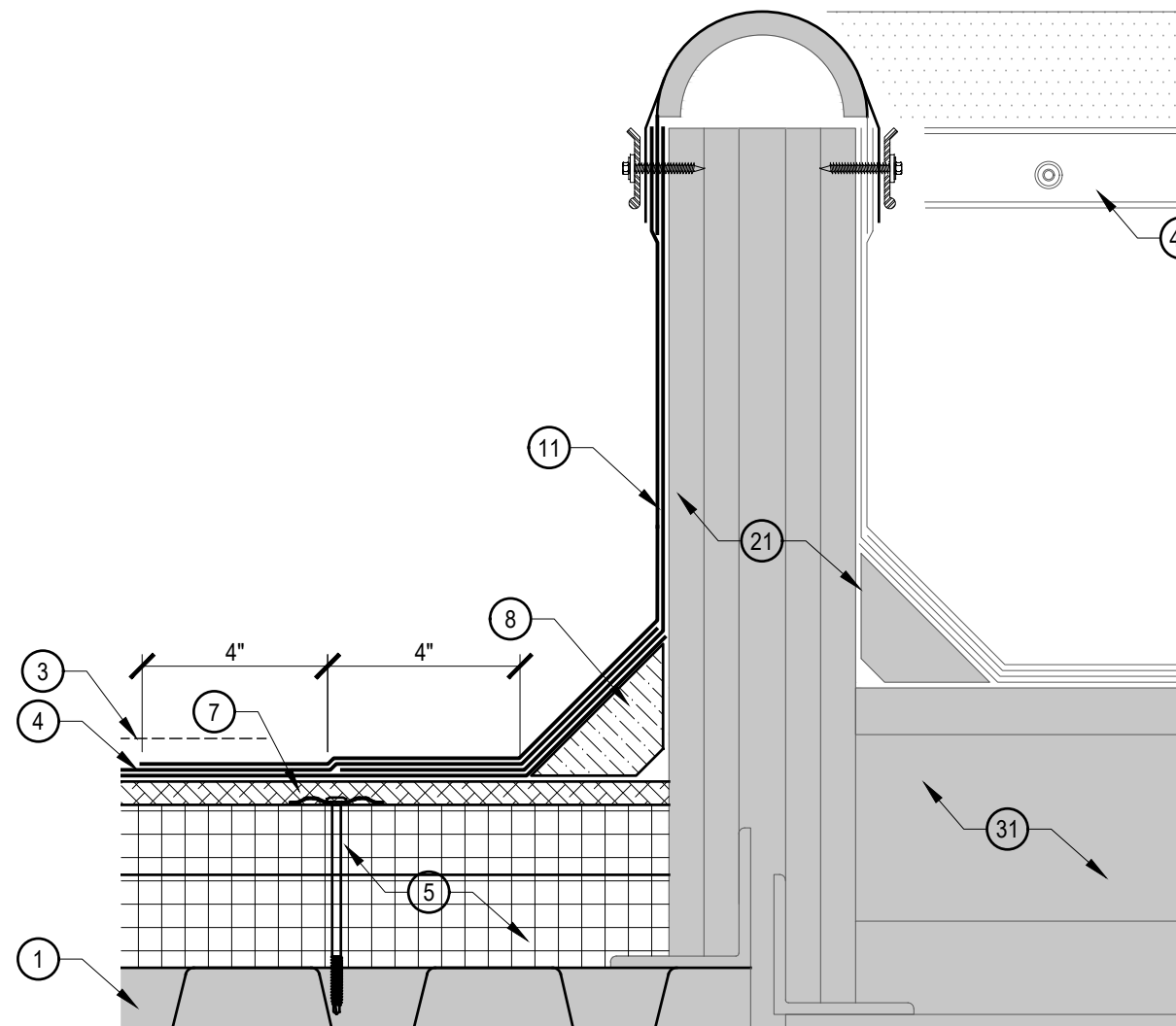
3 BASE FLASHING
SCALE: 3"=1'0"



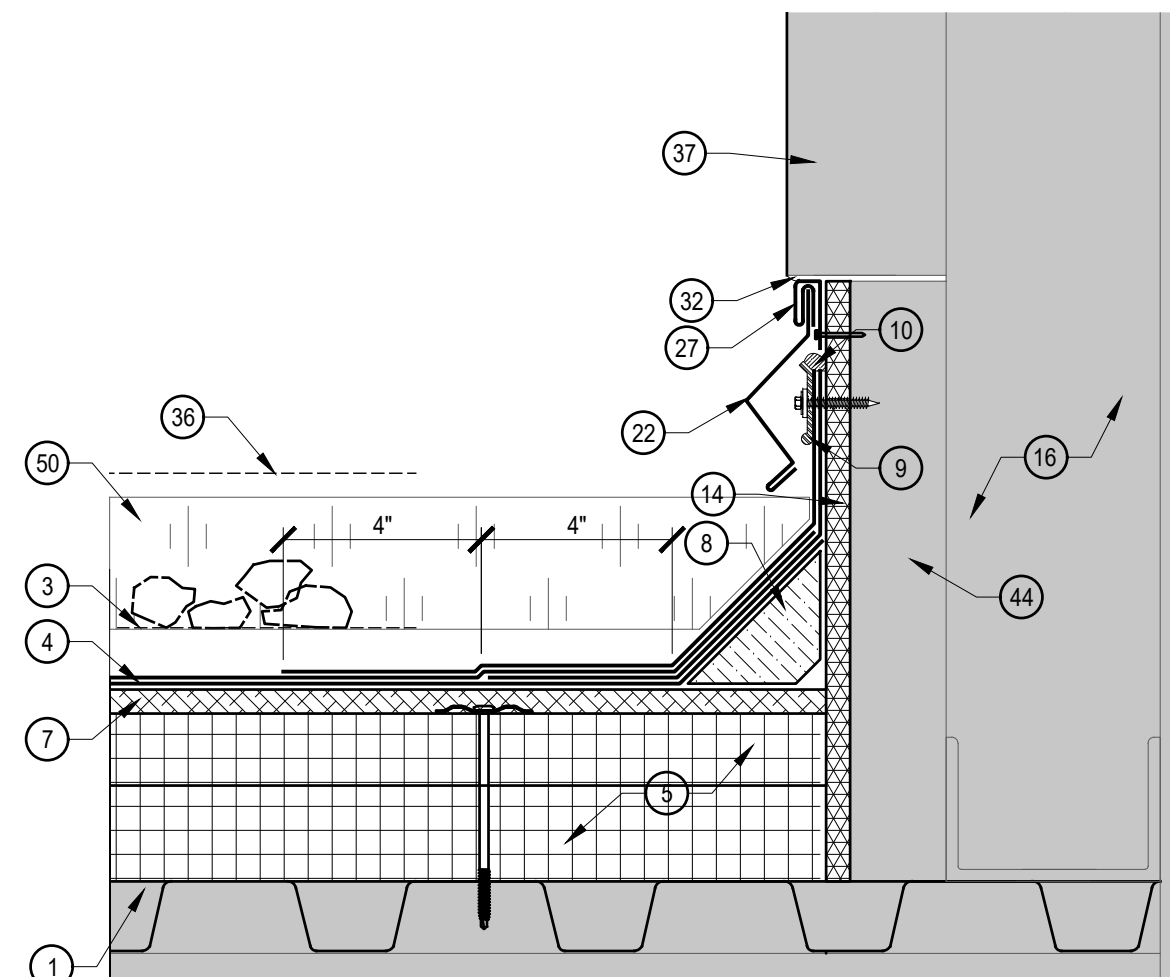
4 BASE FLASHING
SCALE: 3"=1'0"



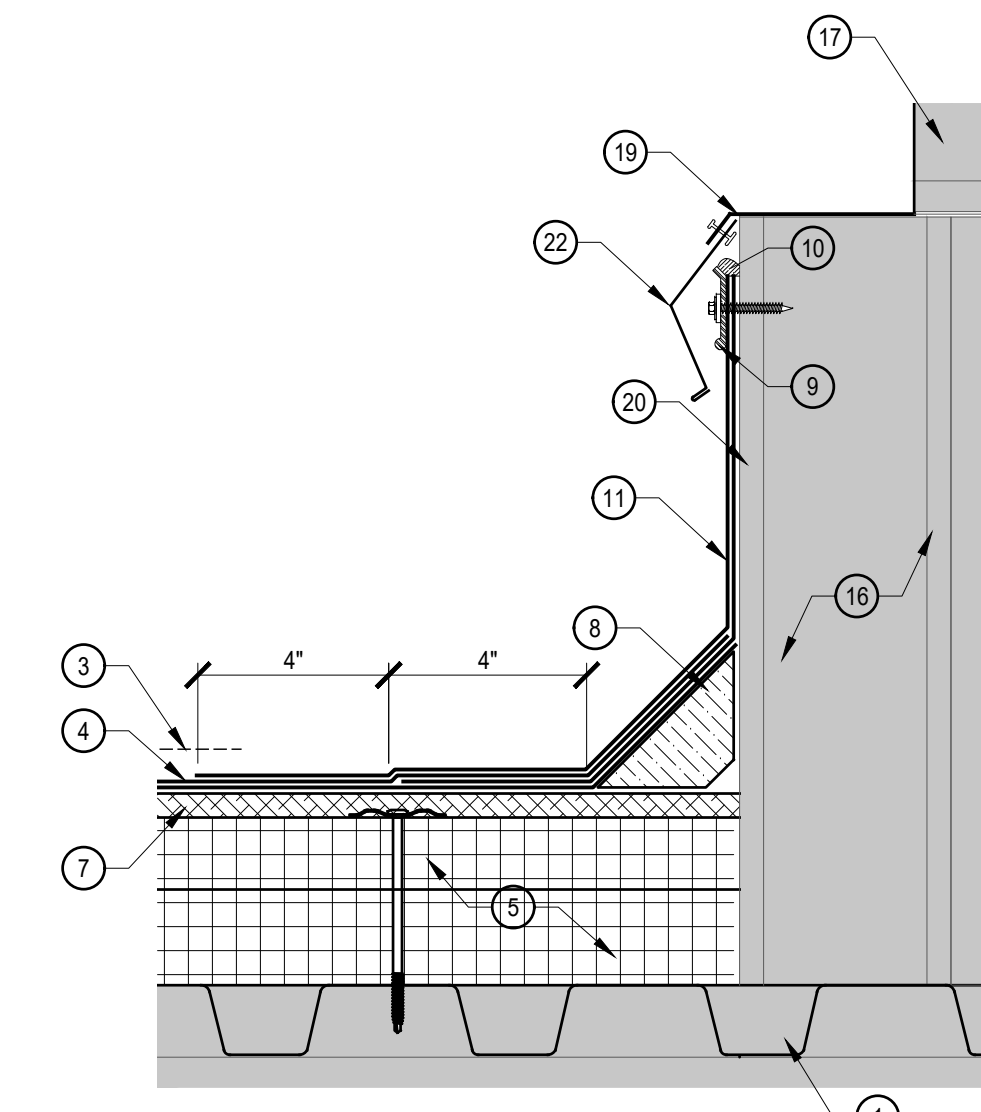
7 BASE FLASHING AND FASCIA
SCALE: 3"=1'0"



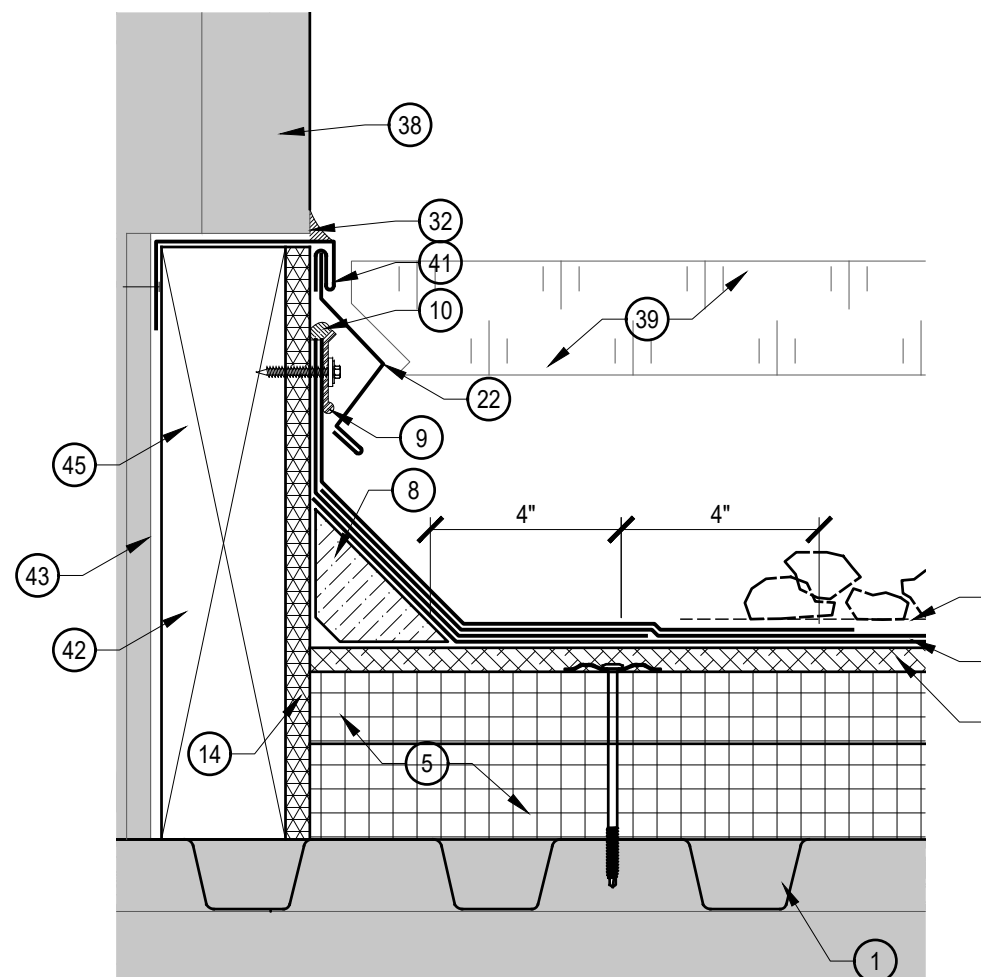
5 EXPANSION JOINT
SCALE: 3"=1'0"



8 BASE FLASHING
SCALE: 3"=1'0"



6 BASE FLASHING @ WINDOW
SCALE: 3"=1'0"



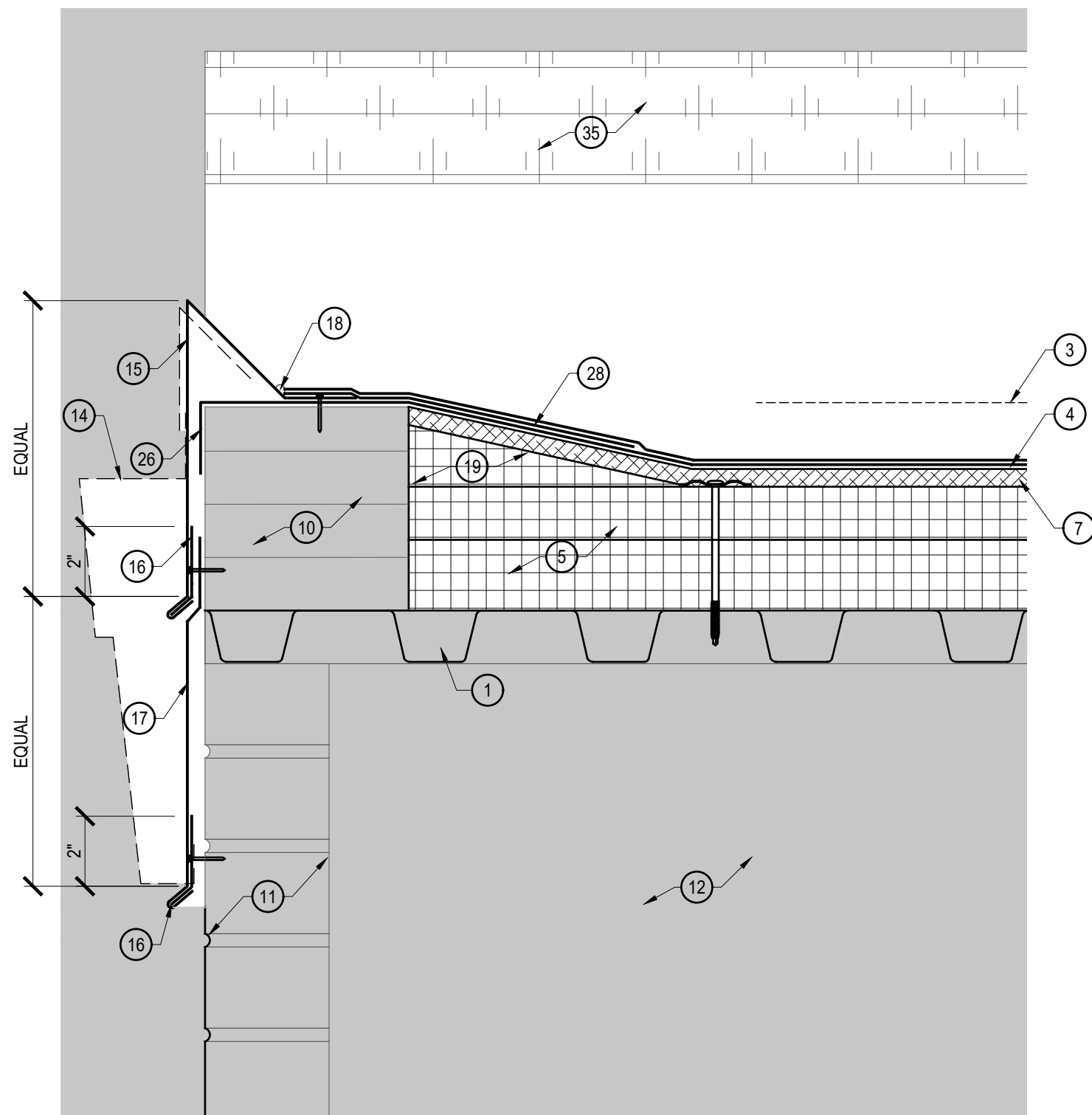
9 BASE FLASHING
SCALE: 3"=1'0"

DETAIL KEY NOTES

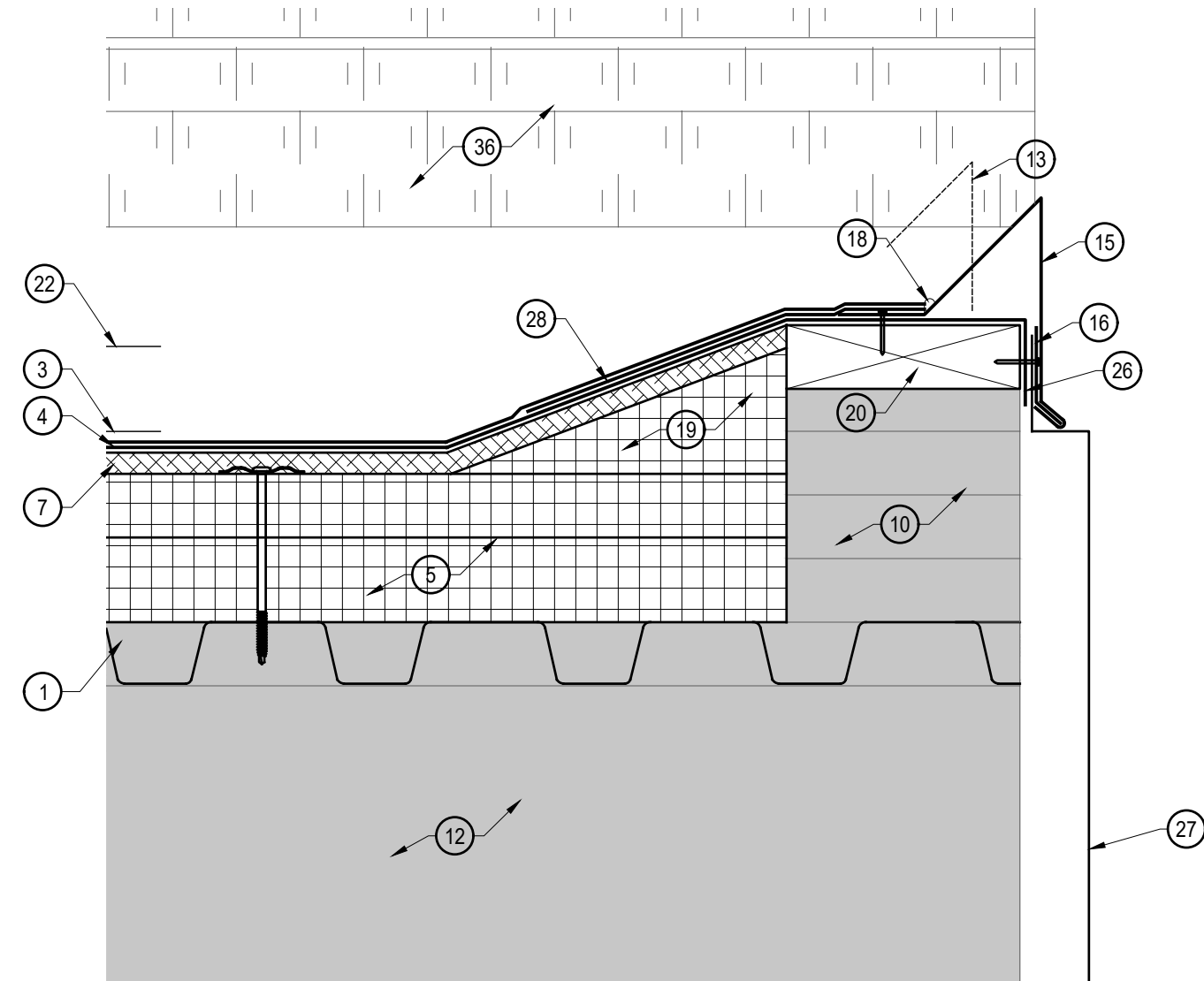
- EXISTING METAL DECK.
- EXISTING CONCRETE DECK.
- REMOVE EXISTING ROOF SYSTEM, INSULATIONS, FLASHINGS AND STRIPPINGS.
- PROVIDE NEW 2 PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW MECHANICALLY ATTACHED RIGID INSULATION BOARD.
- PROVIDE NEW ADHESIVELY ADHERED RIGID INSULATION BOARD.
- PROVIDE NEW ADHESIVELY ADHERED RECOVER BOARD INSULATION.
- PROVIDE NEW CONTINUOUS FIBER CANT STRIP SET IN BED OF ROOF CEMENT. SHAVE DOWN CANT STRIP TO ACCOMMODATE FOR NEW INSULATION HEIGHT IF NECESSARY.
- PROVIDE NEW 1" SURFACE MOUNTED TERMINATION BAR, MECHANICALLY ATTACHED 12" O.C. MAX. MITER TERMINATION BAR AT ALL VERTICAL TRANSITIONS.
- PROVIDE NEW CONTINUOUS BEAD OF MANUFACTURER'S MASTIC.
- CLEAN AND PRIME EXISTING SUBSTRATE. PROVIDE NEW 2 PLY MODIFIED BITUMEN BASE FLASHING.
- EXISTING WOOD BLOCKING TO REMAIN. REPLACE ANY DAMAGED OR DETERIORATED WOOD BLOCKING WITH NEW.
- PROVIDE NEW MODIFIED BITUMEN STRIPPING.
- PROVIDE NEW EXTERIOR GRADE PRESSURE TREATED PLYWOOD.
- EXISTING MASONRY TO REMAIN.
- EXISTING STRUCTURE TO REMAIN.
- EXISTING WINDOW TO REMAIN.
- EXISTING GUTTER AND DOWNSPOUTS TO REMAIN.
- EXISTING FLASHING TO REMAIN. TRIM TO 1" FOR ATTACHMENT OF NEW COUNTER FLASHING.
- EXISTING PLYWOOD TO REMAIN. REPLACE ANY DAMAGED OR DETERIORATED PLYWOOD WITH NEW.
- EXISTING WOOD BLOCKING EXPANSION JOINT TO REMAIN. REMOVE COVER FOR INSTALLATION OF NEW ROOF SYSTEM AND RE-ATTACH.
- PROVIDE NEW PRE-FINISH GI COUNTER FLASHING MECHANICALLY ATTACHED 6" O.C. MAX.
- PROVIDE NEW COPPER COUNTER FLASHING MECHANICALLY ATTACHED 6" O.C. MAX.
- EXISTING COPPER RECEIVER TO REMAIN.
- PROVIDE NEW PREFINISH GI REGLET RECEIVER.
- TRIM EXISTING RECEIVER FLUSH WITH MORTAR.
- PROVIDE NEW PREFINISH GI SURFACE MOUNT RECEIVER.
- REMOVE EXISTING FASCIA.
- PROVIDE NEW PRE-FINISHED GI FASCIA, WITH 12" MIN CONCEALED SPLICE PLATES CENTERED AT JOINTS.
- PROVIDE NEW CONTINUOUS FASCIA CLEAT MECHANICALLY ATTACHED 4" O.C. MAX, STAGGERED.
- EXISTING ROOF SYSTEM TO REMAIN.
- PROVIDE NEW CONTINUOUS BEAD OF URETHANE SEALANT.
- PROVIDE NEW EPDM STRIPPING.
- PROVIDE NEW CONTINUOUS BEAD OF LAP SEALANT.
- PROVIDE NEW TAPERED EDGE STRIPS AND FILLER TO PROVIDE SMOOTH TRANSITION WHERE WOOD BLOCKING IS ABOVE NEW INSULATION HEIGHT. SHAVE AND REDUCE TAPER EDGE STRIP AS REQUIRED TO MAINTAIN SMOOTH TRANSITION AS THICKNESS DECREASES.
- HIGH POINT OF NEW INSULATION. SEE TAPER INSULATION PLAN.
- EXISTING METAL PANELS TO REMAIN. RE-ATTACH ANY LOOSE PANELS AS NECESSARY.
- EXISTING EIFS TO REMAIN.
- NEW FASCIA BEYOND. SEE DETAIL 5/A207.
- PORTION OF EXISTING EPDM MEMBRANE TO REMAIN.
- PROVIDE NEW PREFINISH GI RECEIVER FASTENED THROUGH GYPSUM BOARD TO STRUCTURE.
- PROVIDE NEW PRESSURE TREATED WOOD BLOCKING SECURELY ATTACHED TO EXISTING SUBSTRATE.
- EXISTING GYPSUM BOARD TO REMAIN. REPLACE ANY DAMAGED OR DETERIORATED GYPSUM BOARD WITH NEW.
- EXISTING ISO TO REMAIN.
- REMOVE PORTION OF EXISTING EIFS, ISO, OR WOOD BLOCKING.
- NEW EXPANSION JOINT BEYOND. SEE DETAIL 4/A207.
- NEW COPING BEYOND. SEE DETAIL 6/A207.
- EXISTING EXPANSION JOINT BEYOND.
- NEW FASCIA BEYOND. SEE DETAIL 3/A209.
- NEW FASCIA BEYOND. SEE DETAIL 6/A209.
- NEW FASCIA BEYOND. SEE DETAIL 2/A209.

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

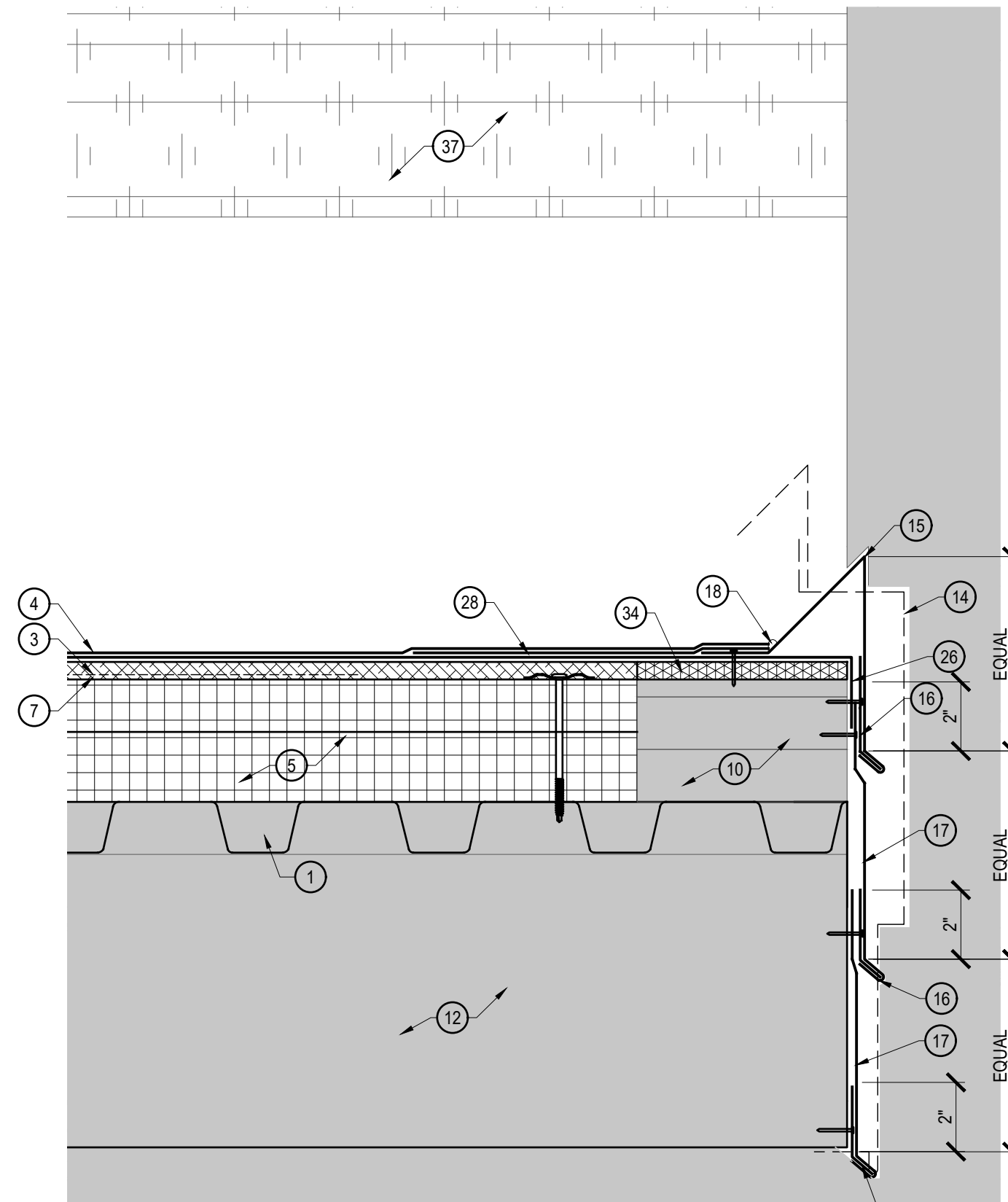
DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC



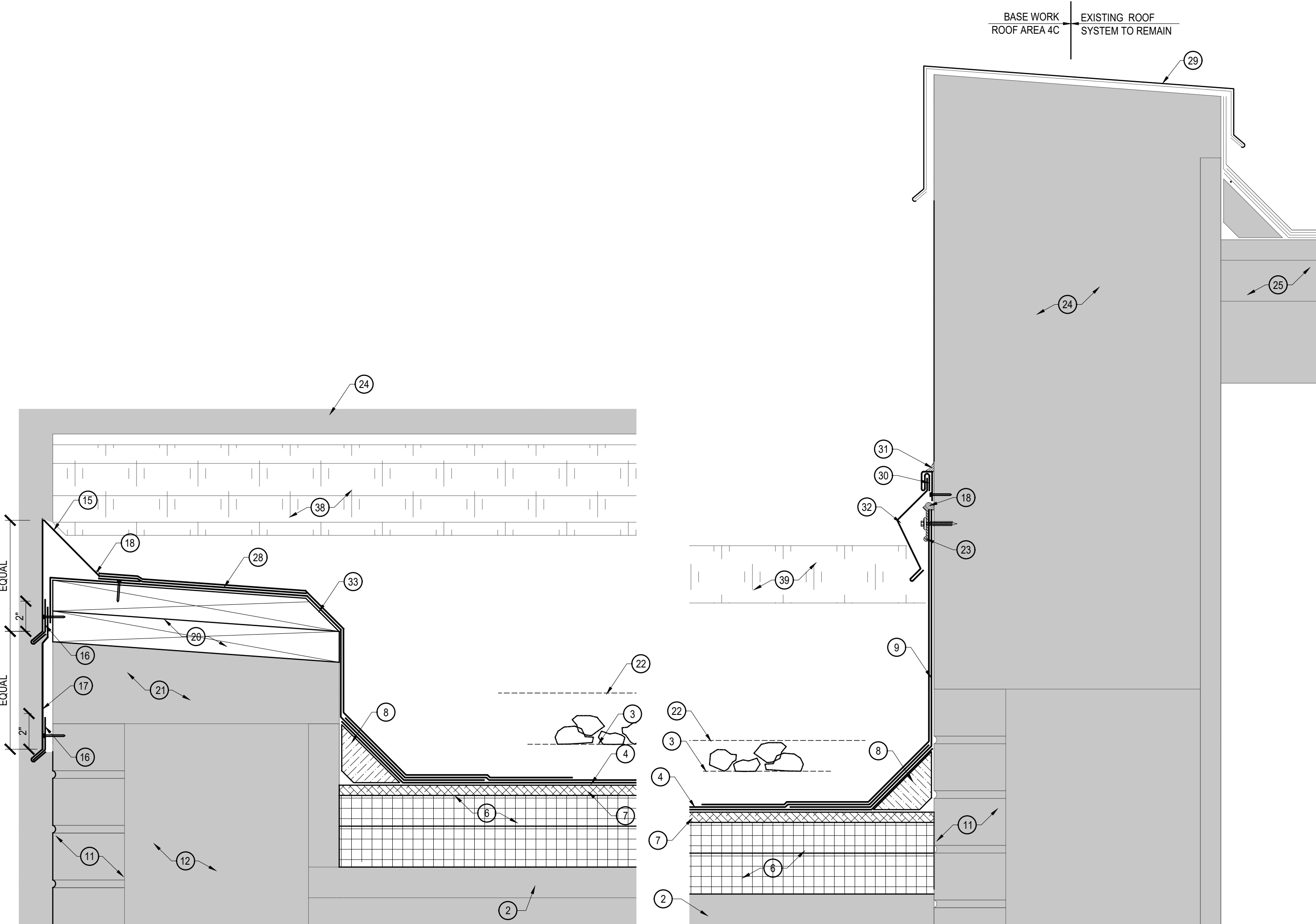
1 FASCIA
A209 SCALE: 3"=10"



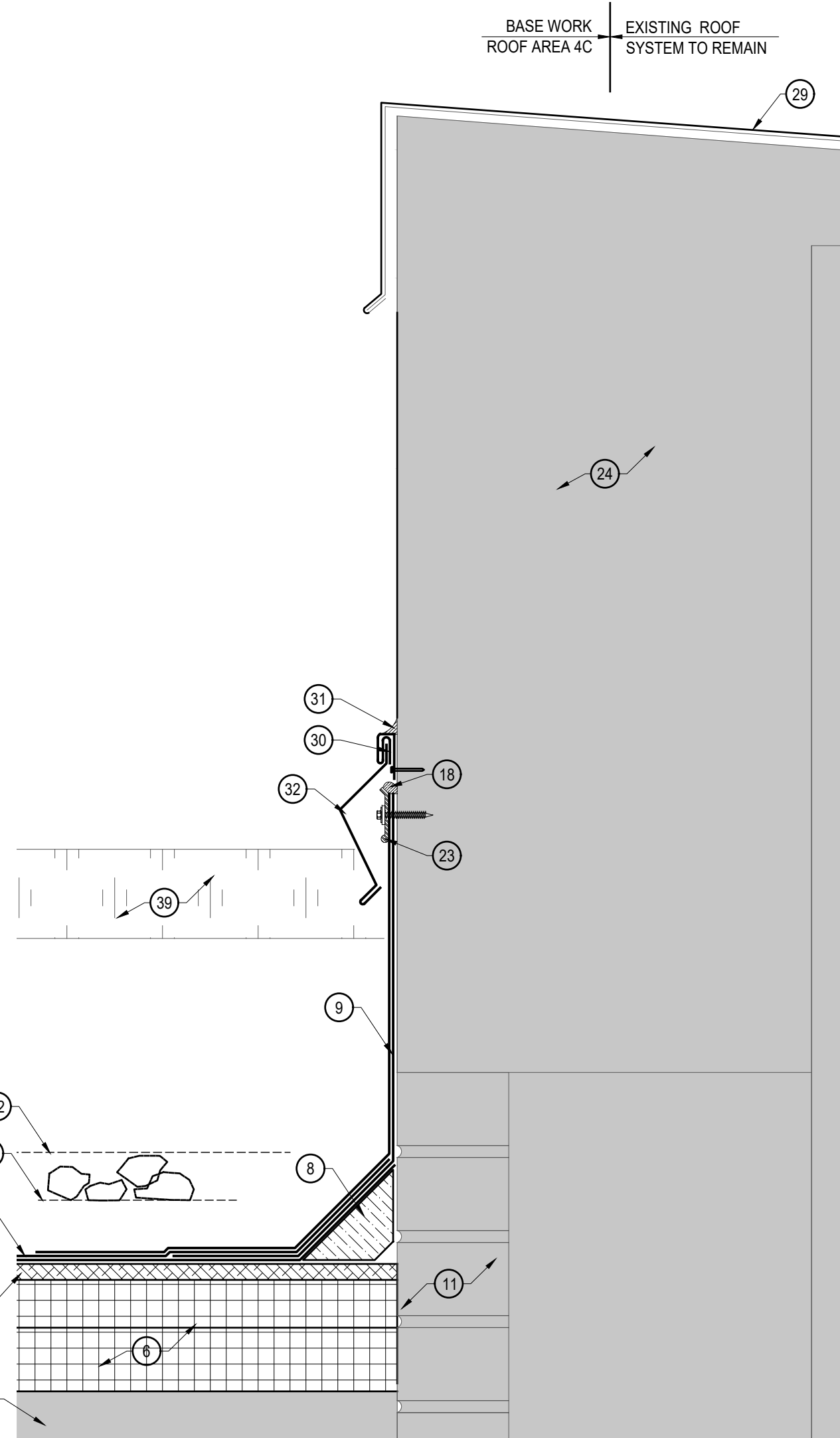
2 FASCIA
A209 SCALE: 3"=10"



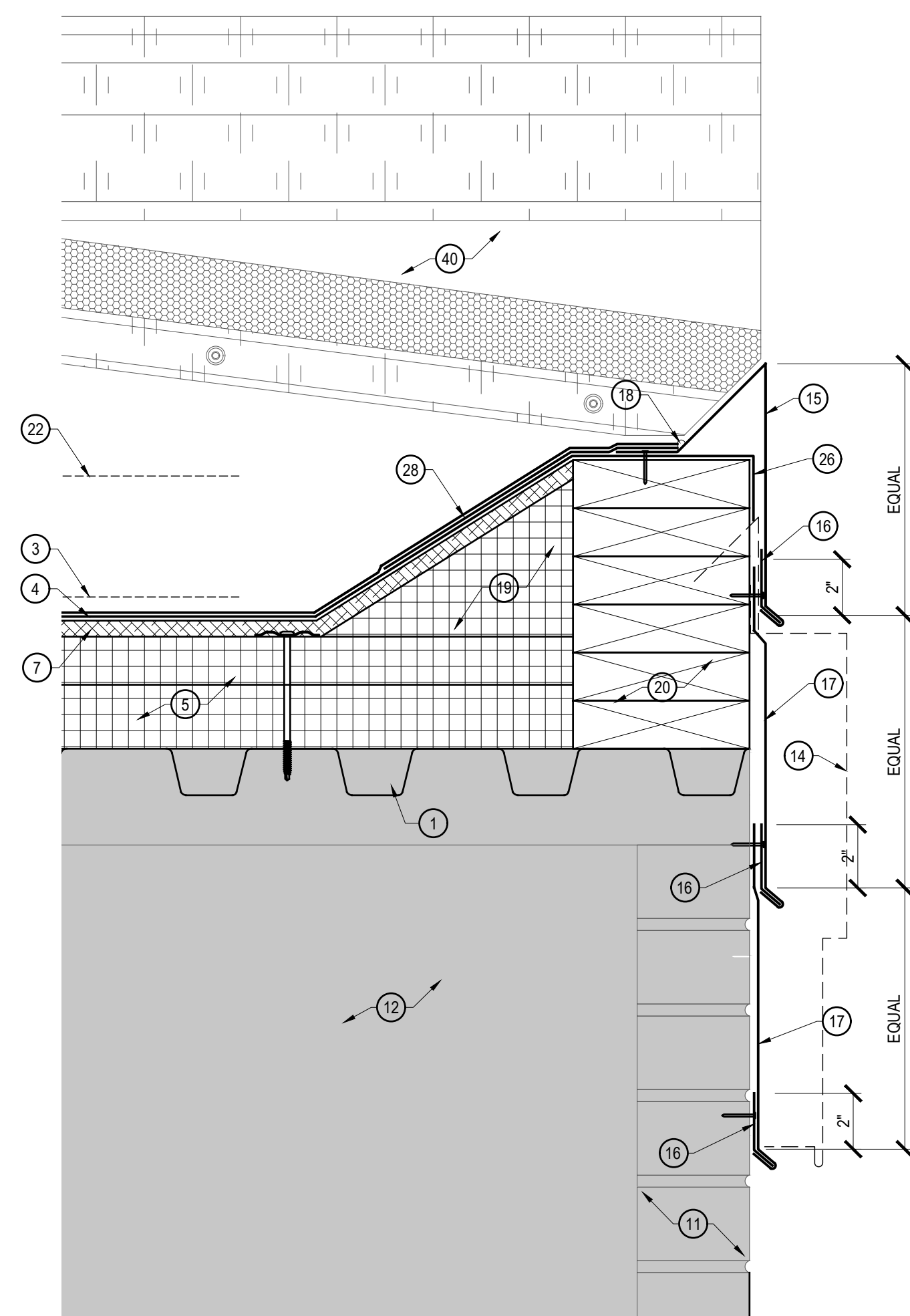
3 FASCIA
A209 SCALE: 3"=10"



4 FASCIA
A209 SCALE: 3"=10"



5 BASE FLASHING
A209 SCALE: 3"=10"



6 FASCIA
A209 SCALE: 3"=10"

DETAIL KEY NOTES

- EXISTING METAL DECK.
- EXISTING CONCRETE DECK.
- REMOVE EXISTING ROOF SYSTEM, INSULATIONS, FLASHINGS AND STRIPPINGS.
- PROVIDE NEW 2 PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW MECHANICALLY ATTACHED RIGID INSULATION BOARD.
- PROVIDE NEW ADHESIVELY ADHERED RIGID INSULATION BOARD.
- PROVIDE NEW ADHESIVELY ADHERED RECOVER BOARD INSULATION.
- PROVIDE NEW CONTINUOUS FIBER CANT STRIP SET IN BED OF ROOF CEMENT. SHAVE DOWN CANT STRIP TO ACCOMMODATE FOR NEW INSULATION HEIGHT IF NECESSARY.
- CLEAN AND PRIME EXISTING SUBSTRATE. PROVIDE NEW 2 PLY MODIFIED BITUMEN BASE FLASHING.
- EXISTING WOOD BLOCKING TO REMAIN. REPLACE ANY DAMAGED OR DETERIORATED WOOD BLOCKING WITH NEW.
- EXISTING MASONRY TO REMAIN.
- EXISTING STRUCTURE TO REMAIN.
- REMOVE EXISTING FASCIA.
- REMOVE EXISTING FASCIA AND FASCIA EXTENDER.
- PROVIDE NEW PRE-FINISHED GI FASCIA, WITH 12" MIN CONCEALED SPLICE PLATES CENTERED AT JOINTS.
- PROVIDE NEW CONTINUOUS FASCIA CLEAT MECHANICALLY ATTACHED 4" O.C. MAX. STAGGERED.
- PROVIDE NEW PRE-FINISHED GI EXTENDER WITH 12" MIN CONCEALED SPLICE PLATES CENTERED AT JOINTS.
- PROVIDE NEW CONTINUOUS BEAD OF MANUFACTURER'S MASTIC.
- PROVIDE NEW TAPERED EDGE STRIPS AND FILLER TO PROVIDE SMOOTH TRANSITION WHERE WOOD BLOCKING IS ABOVE NEW INSULATION HEIGHT. SHAVE AND REDUCE TAPER EDGE STRIP AS REQUIRED TO MAINTAIN SMOOTH TRANSITION AS THICKNESS DECREASES.
- PROVIDE NEW PRESSURE TREATED WOOD BLOCKING SECURELY ATTACHED TO EXISTING SUBSTRATE.
- EXISTING CONCRETE COPING TO REMAIN.
- HIGH POINT OF NEW INSULATION. SEE TAPER INSULATION PLAN.
- PROVIDE NEW 1" SURFACE MOUNTED TERMINATION BAR, MECHANICALLY ATTACHED 12" O.C. MAX. MITER TERMINATION BAR AT ALL VERTICAL TRANSITIONS.
- EXISTING PRECAST CONCRETE TO REMAIN.
- EXISTING ROOF SYSTEM TO REMAIN.
- NEW BASE PLY MODIFIED BITUMEN MEMBRANE TO WRAP OVER EDGE MIN 2".
- EXISTING FASCIA EXTENDER TO REMAIN.
- PROVIDE NEW MODIFIED BITUMEN STRIPPING.
- EXISTING COPING TO REMAIN.
- PROVIDE NEW PREFINISH GI SURFACE MOUNT RECEIVER.
- PROVIDE NEW CONTINUOUS BEAD OF URETHANE SEALANT.
- PROVIDE NEW PRE-FINISH GI COUNTER FLASHING MECHANICALLY ATTACHED 6" O.C. MAX.
- CHAMFER NEW WOOD BLOCKING.
- PROVIDE NEW EXTERIOR GRADE PRESSURE TREATED PLYWOOD.
- NEW BASE FLASHING BEYOND. SEE DETAIL 6/A208.
- NEW BASE FLASHING BEYOND. SEE DETAIL 4/A208.
- NEW BASE FLASHING BEYOND. SEE DETAIL 7/A208.
- NEW BASE FLASHING BEYOND. SEE DETAIL 5/A209.
- NEW FASCIA BEYOND. SEE DETAIL 4/A209.
- NEW WALL EXPANSION JOINT BEYOND. SEE DETAIL 2/A207.



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

WE ARE WAYNE!
GREAT SCHOOLS. GREAT COMMUNITY.



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc., its heirs, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

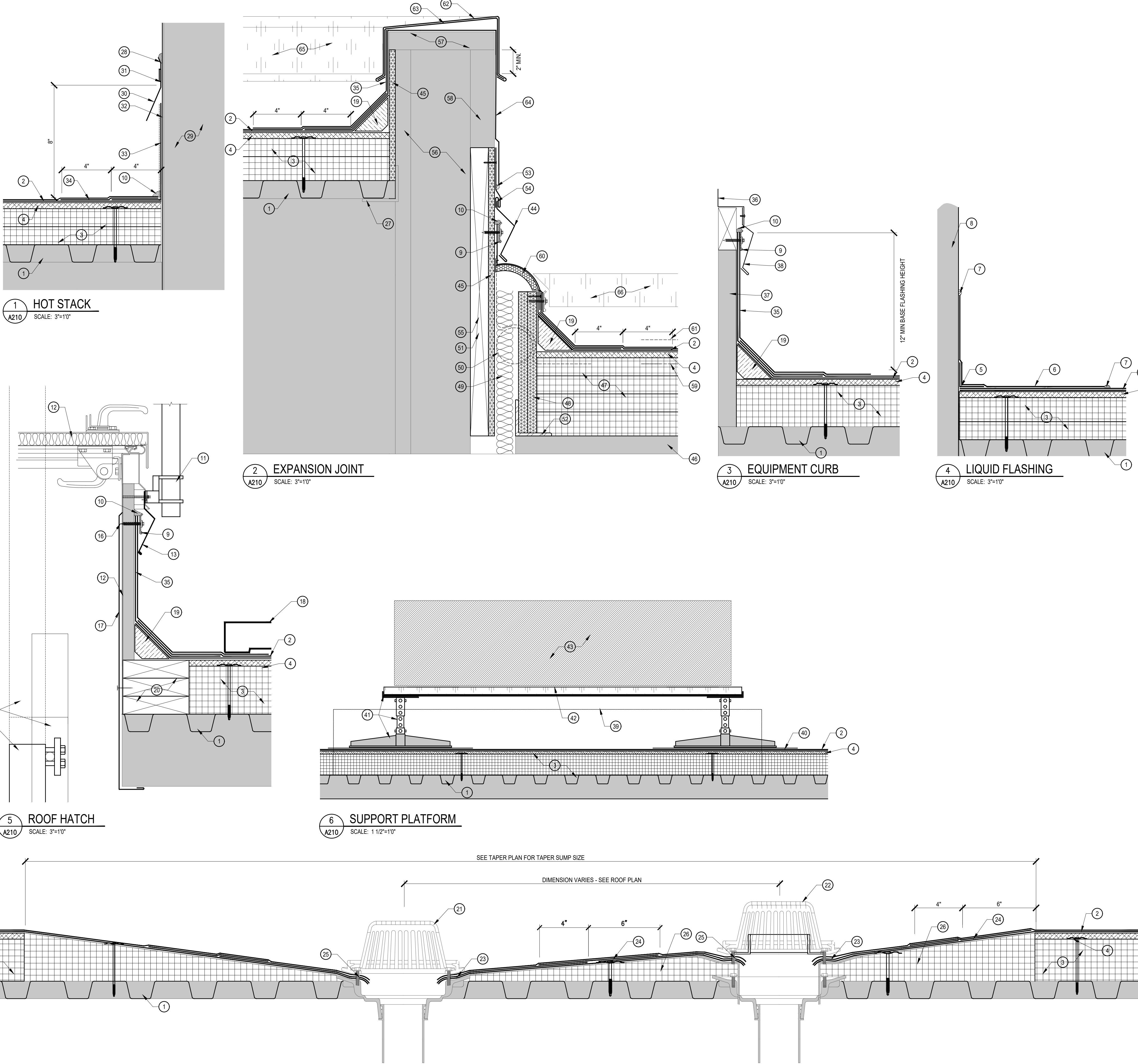
DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC

DRAWING TITLE:

WESTLAKE
ELEMENTARY
ROOF DETAILS

SHEET NUMBER:

A209

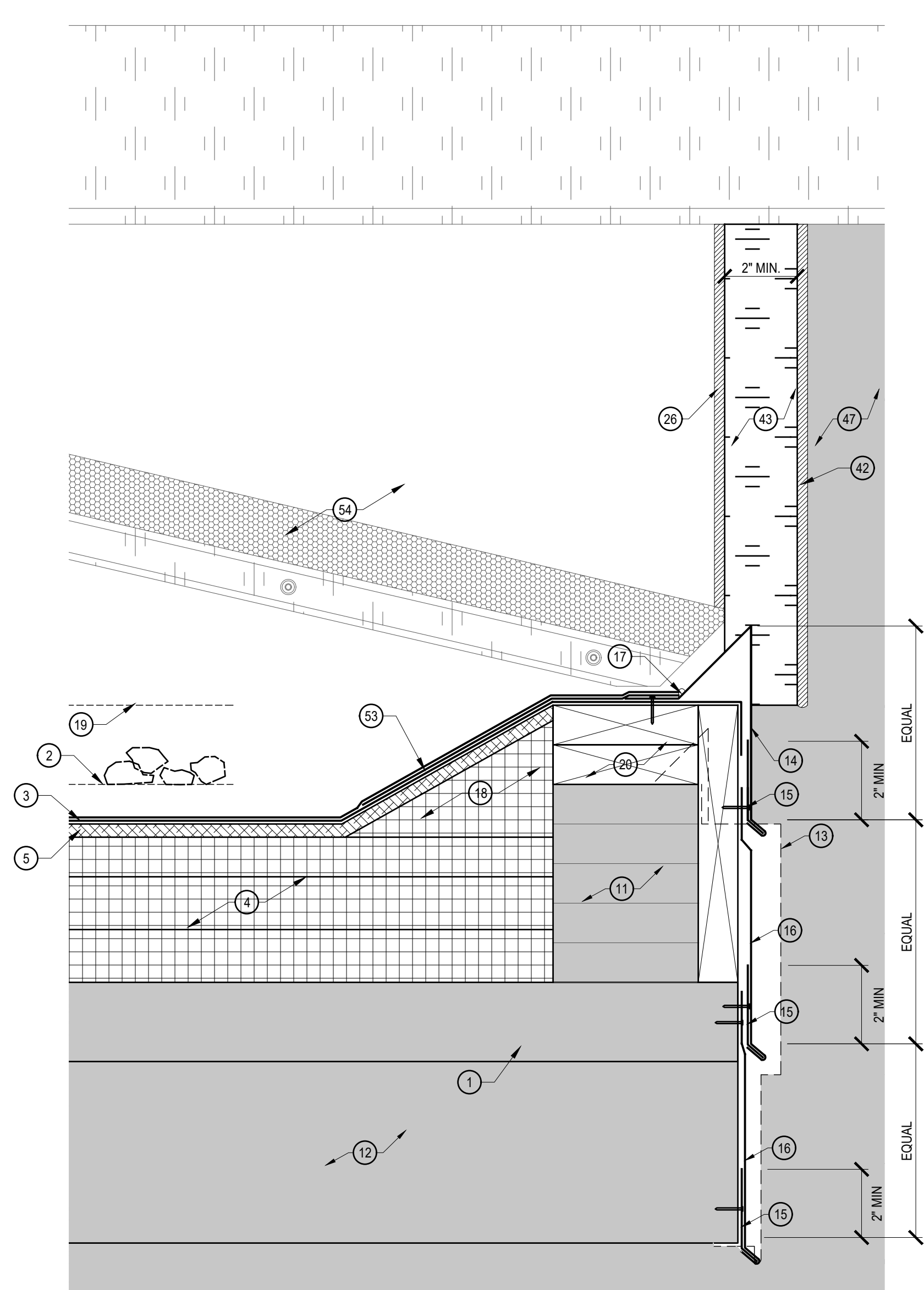


DETAIL KEY NOTES

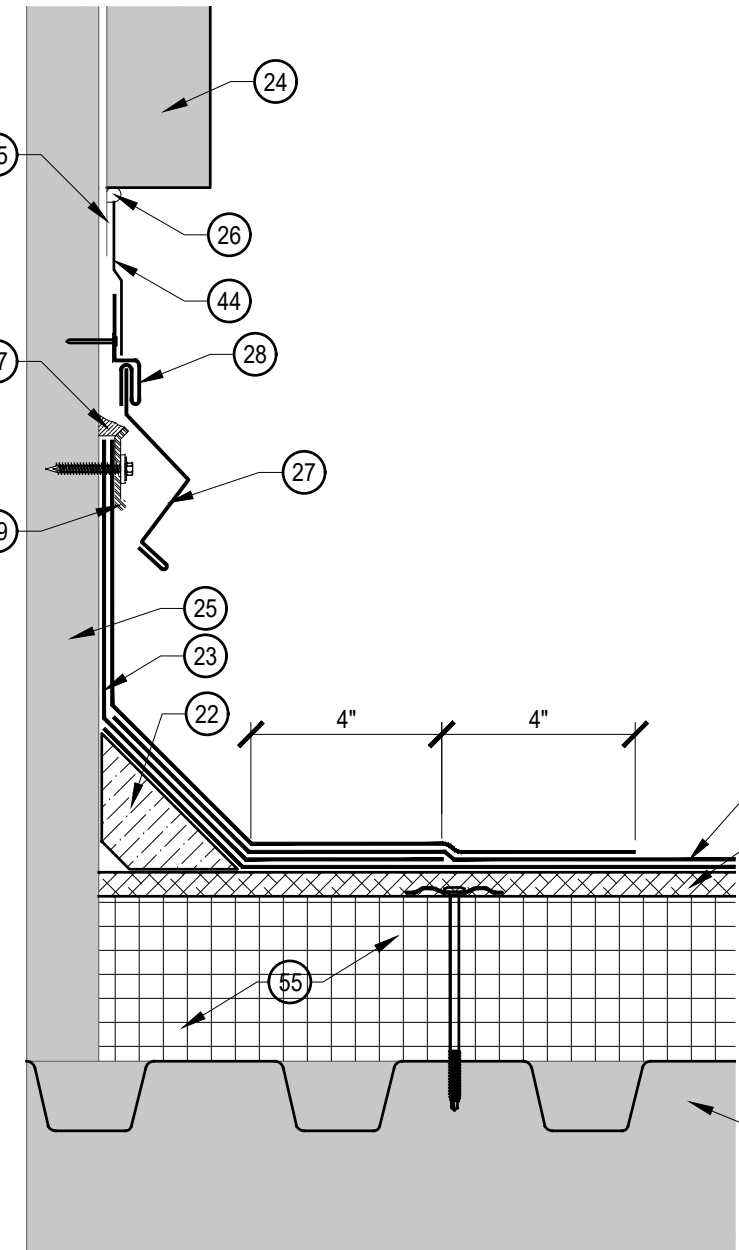
- EXISTING METAL DECK.
- PROVIDE NEW 2 PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW MECHANICALLY ATTACHED RIGID INSULATION BOARD.
- PROVIDE NEW ADHESIVELY ADHERED RECOVER BOARD INSULATION.
- PROVIDE NEW CONTINUOUS STRIP OF RESIN SATURATED FLEECE.
- PROVIDE (1) PLY LIQUID FLASHING MEMBRANE. EXTEND 12" MIN ONTO MODIFIED BITUMEN MEMBRANE AND 8" MIN VERTICALLY ONTO EXISTING ROOF PENETRATION.
- PROVIDE NEW RESIN FILL AT ALL LIQUID FLASHING TERMINATION POINTS.
- EXISTING ROOF PENETRATION TO REMAIN.
- PROVIDE NEW 1" SURFACE MOUNTED TERMINATION BAR, MECHANICALLY ATTACHED 12" O.C. MAX. MITER TERMINATION BAR AT ALL VERTICAL TRANSITIONS.
- PROVIDE NEW CONTINUOUS BEAD OF MANUFACTURER'S MASTIC.
- PROVIDE NEW OSHA ROOF HATCH RAILING SYSTEM.
- EXISTING ROOF HATCH AND CURB - RAISE TO ACCOMMODATE NEW FLASHING HEIGHT.
- PROVIDE NEW ALUMINUM COUNTER FLASHING MECHANICALLY ATTACHED TO EXISTING ROOF HATCH CURB FLANGE 6" O.C. MIN
- EXISTING MAN LADDER
- PROVIDE NEW OSHA SAFETY UP POST MECHANICALLY ATTACHED TO EXISTING MAN LADDER.
- SNIP POINTS OF NEW SCREWS ON INSIDE OF ROOF HATCH CURB.
- PROVIDE NEW PRE-FINISH METAL CURB LINER - NEW CURB LINER TO EXTEND UP AND COVER EXPOSED FASTENER.
- PROVIDE NEW WALKWAY PADS AS SHOWN ON ROOF PLAN.
- PROVIDE NEW CONTINUOUS FIBER CANT STRIP, SET IN A BED OF ROOF CEMENT. SHAVE DOWN CANT STRIP TO ACCOMMODATE FOR NEW INSULATION HEIGHT IF NECESSARY.
- PROVIDE NEW WOOD BLOCKING TO RAISE UNIT TO PROVIDE MINIMUM 12" BASE FLASHING HEIGHT.
- EXISTING ROOF SUMP, CLAMPING RING, AND STRAINER. PROVIDE NEW WHERE NECESSARY.
- EXISTING OVERFLOW ROOF SUMP, CLAMPING RING, AND STRAINER. PROVIDE NEW WHERE NECESSARY
- PROVIDE NEW PRIMED LEAD FLASHING, BOTH SIDES, SET IN BED OF ROOF CEMENT.
- PROVIDE NEW 10" MODIFIED BITUMEN STRIPPING MINIMUM 4" ONTO NEW LEAD FLASHING. STRIPPING IS NOT TO EXCEED BEYOND EDGE OF TAPERED ROOF SUMP.
- PROVIDE NEW MANUFACTURER'S STANDARD MASTIC.
- PROVIDE NEW TAPERED INSULATION SUMP, SHAVE INSULATION FLUSH WITH SUMP DECK FLANGE.
- EXISTING STEEL STRUCTURE TO REMAIN.
- PROVIDE NEW CONTINUOUS BEAD OF URETHANE SEALANT.
- EXISTING HOT STACK TO REMAIN.
- PROVIDE NEW GI RAIN COLLAR.
- PROVIDE NEW STAINLESS STEEL COMPRESSION DRAW BAND.
- PROVIDE NEW GI FLASHING, SET FLASHING FLANGE IN BED OF ROOF CEMENT, PRIME TOP OF FLANGE.
- REMOVE EXISTING FLASHINGS AND RAIN COLLAR AROUND EXG FLUE STACK.
- PROVIDE NEW MODIFIED BITUMEN STRIPPING.
- REMOVE EXG FLG, CLEAN AND PRIME AND PROVIDE NEW 2 PLY MODIFIED BITUMEN BASE FLASHINGS.
- EXISTING ROOF TOP UNIT HOOD TO REMAIN.
- EXISTING ROOF TOP UNIT CURB TO REMAIN.
- PROVIDE NEW COUNTER FLASHING MECHANICALLY ATTACHED TO EXG ROOF TOP UNIT FLANGE. NEW COUNTER FLASHING TO MATCH EXG HOOD METAL.
- REMOVE EXISTING EQUIPMENT SUPPORT RAILS.
- PROVIDE NEW MODIFIED BITUMEN SLIP SHEET SET IN COLD ADHESIVE AT EACH SUPPORT BASE.
- PROVIDE NEW ADJUSTABLE NON PENETRATING EQUIPMENT SUPPORT PLATFORM.
- PROVIDE NEW GI STEEL GRATE EQUIPMENT SUPPORT PLATFORM.
- EXISTING ROOF TOP UNIT TO REMAIN.
- PROVIDE NEW PRE-FINISH GI COUNTER FLASHING MECHANICALLY ATTACHED 6" O.C. MAX.
- PROVIDE NEW EXTERIOR GRADE PRESSURE TREATED PLYWOOD.
- EXISTING CONCRETE DECK.
- PROVIDE NEW ADHESIVELY ADHERED RIGID INSULATION BOARD.
- PROVIDE NEW (2) LAYERS OF EXTERIOR GRADE PRESSURE TREATED PLYWOOD MECHANICALLY ATTACHED TO NEW STEEL ANGLES.
- PROVIDE NEW FIBERGLASS BATT INSULATION TO FILL JOINT IN EXPANSION JOINT CURB.
- REMOVE EXISTING EXPANSION JOINT.
- PROVIDE NEW PRESSURE TREATED WOOD BLOCKING SECURELY ATTACHED TO EXISTING SUBSTRATE.
- PROVIDE NEW 3"x4"x $\frac{3}{4}$ " STEEL ANGLES 24" LONG, 24" O.C., SECURELY ATTACHED TO EXISTING SUBSTRATE.
- PROVIDE NEW CONTINUOUS BEAD OF LAP SEALANT.
- PROVIDE NEW PREFINISH GI SURFACE MOUNT RECEIVER.
- REMOVE PORTION OF EXISTING EFIS.
- EXISTING STRUCTURE TO REMAIN.
- EXISTING WOOD BLOCKING TO REMAIN. REPLACE ANY DAMAGED OR DETERIORATED WOOD BLOCKING WITH NEW.
- PORTION OF EXISTING EIFS TO REMAIN.
- REMOVE EXISTING ROOF SYSTEM, INSULATIONS, FLASHINGS AND STRIPPINGS.
- PROVIDE NEW FLEXIBLE EXPANSION JOINT COVER. STRIP OFF EXPANSION JOINT NAILING FLANGE WITH TOP PLY OF NEW MODIFIED BITUMEN BASE FLASHING. SECURE EPDM COVER WITH NEW SURFACE MOUNTED TERMINATION BAR. TRIM EPDM COVER FLUSH WITH BOTTOM OF TERMINATION BAR.
- HIGH POINT OF NEW INSULATION. SEE TAPER INSULATION PLAN.
- PROVIDE NEW PREFINISH GI COPING, WITH 12" MIN CONCEALED SPLICE PLATED CENTERED AT JOINTS.
- PROVIDE NEW CONTINUOUS GI COPING CLIP.
- PROVIDE NEW FULLY ADHERED EPDM.
- NEW COPING BEYOND. SEE DETAIL 1/A207.
- NEW FASCIA BEYOND. SEE DETAIL 1/A211.

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

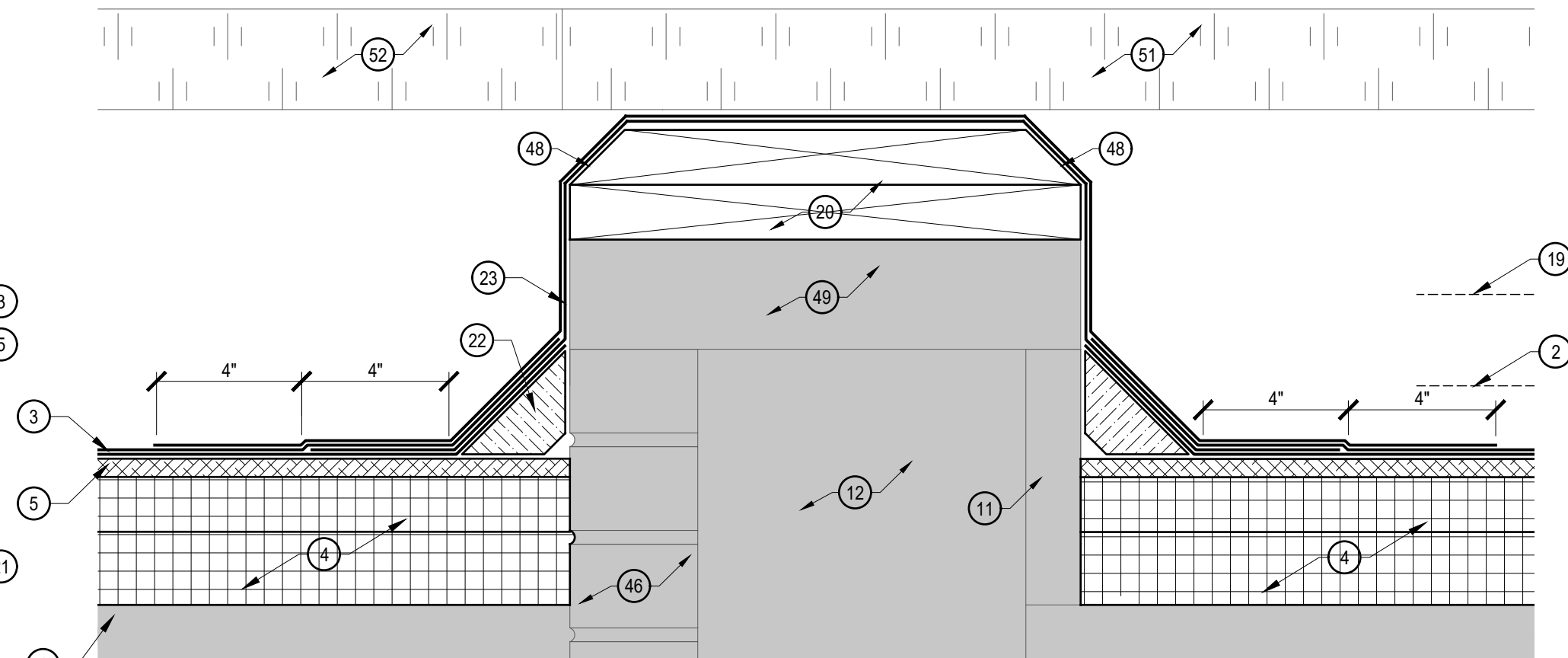
DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC



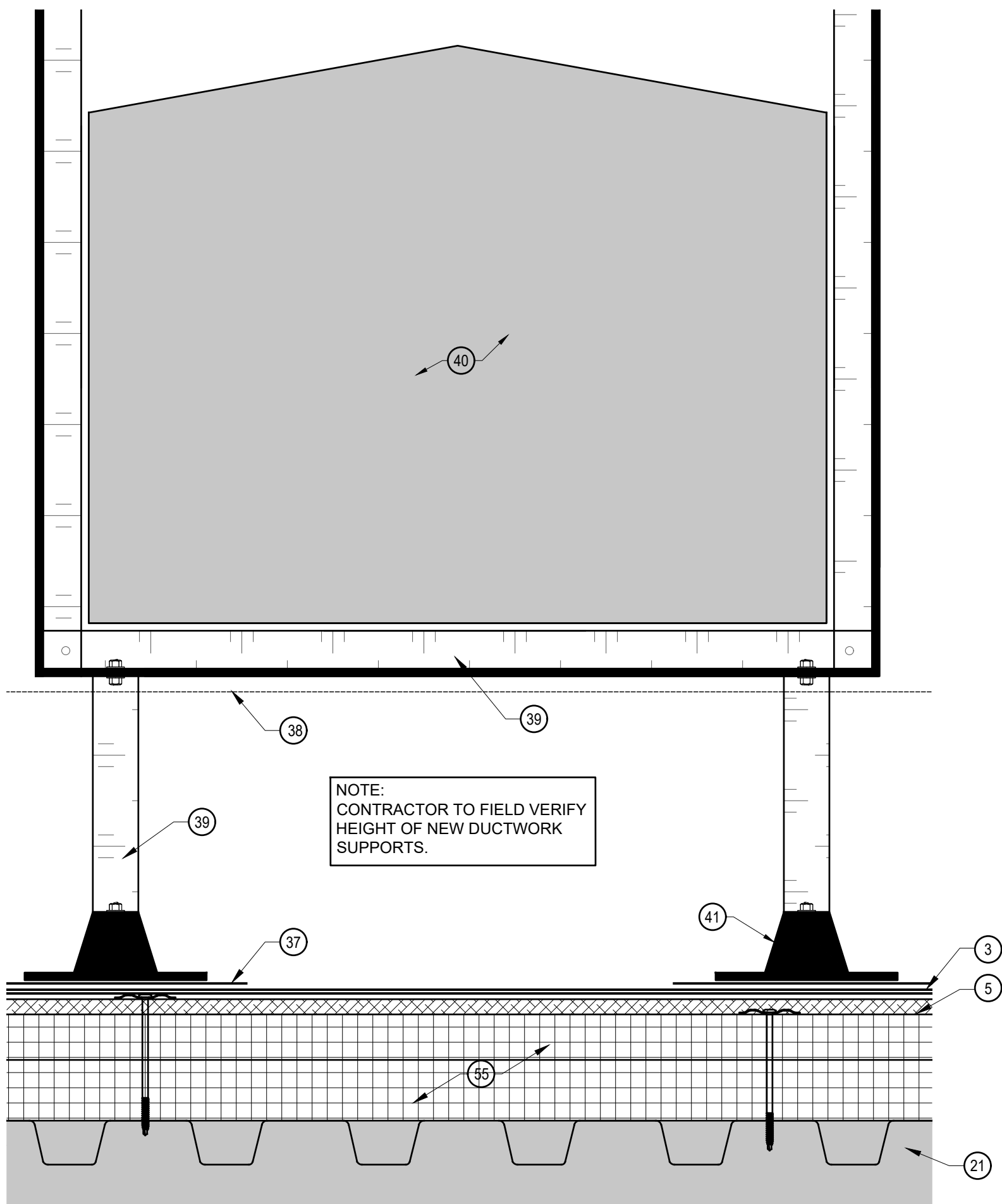
1 FASCIA
A211 SCALE: 3\"/>



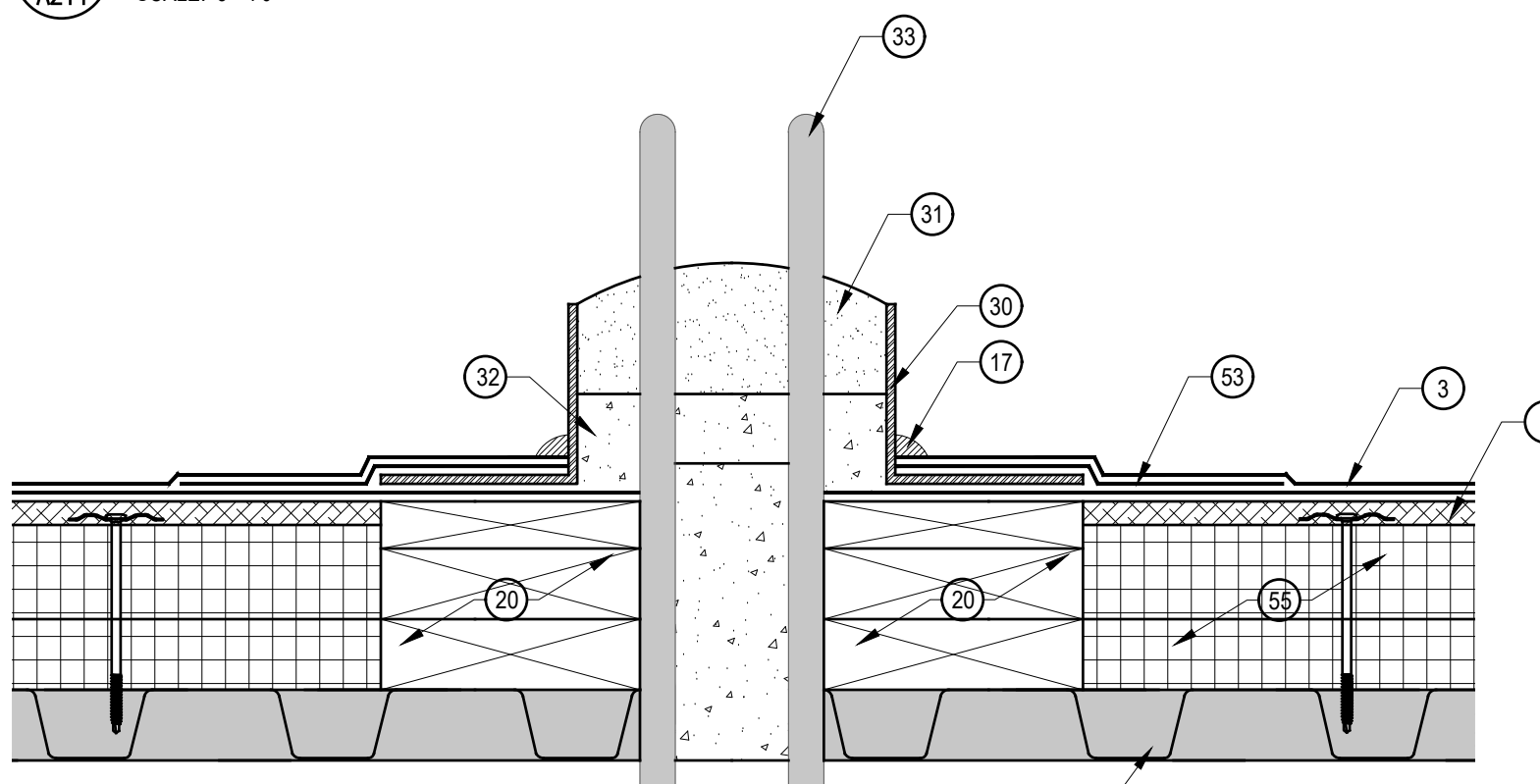
2 EQUIPMENT CURB
A211 SCALE: 3\"/>



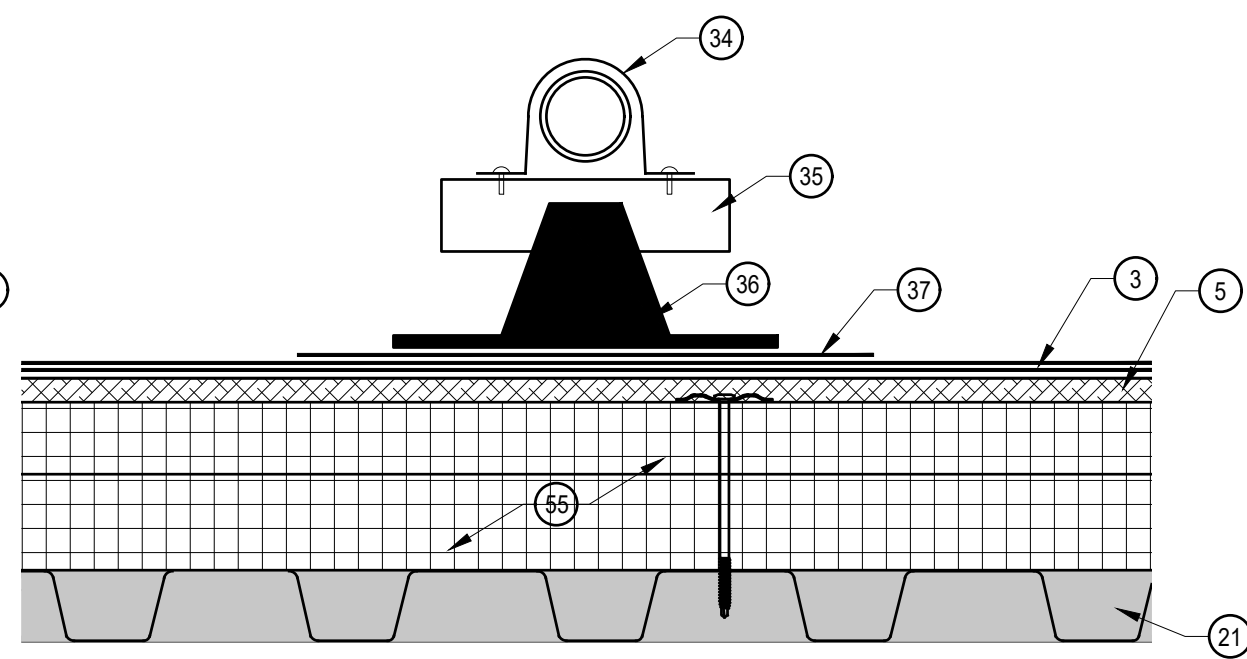
3 CURB
A211 SCALE: 3\"/>



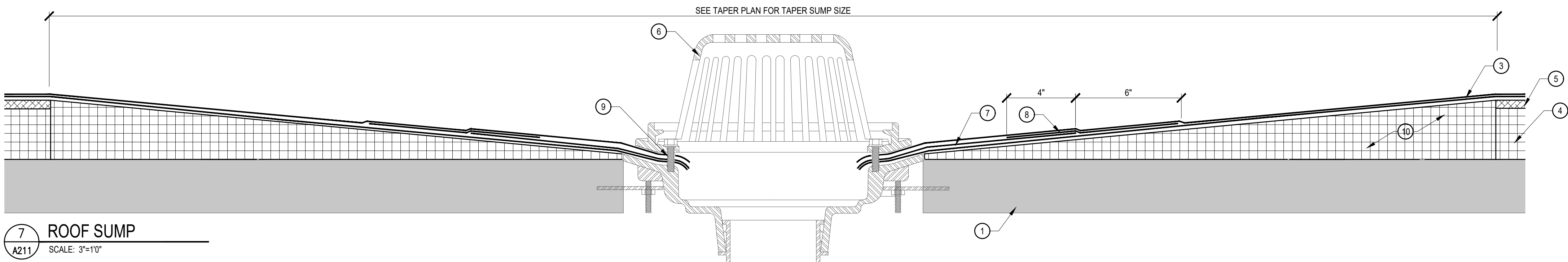
6 DUCTWORK
A211 SCALE: 3\"/>



4 PITCH POCKET
A211 SCALE: 3\"/>



5 PIPE SUPPORT
A211 SCALE: 3\"/>



7 ROOF SUMP
A211 SCALE: 3\"/>

DETAIL KEY NOTES

- EXISTING CONCRETE DECK.
- REMOVE EXISTING ROOF SYSTEM, INSULATIONS, FLASHINGS AND STRIPPINGS.
- PROVIDE NEW 2 PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW ADHESIVELY ADHERED RIGID INSULATION BOARD.
- PROVIDE NEW ADHESIVELY ADHERED RECOVER BOARD INSULATION.
- EXISTING ROOF SUMP, CLAMPING RING, AND STRAINER. PROVIDE NEW WHERE NECESSARY
- PROVIDE NEW PRIMED LEAD FLASHING, BOTH SIDES. SET IN BED OF ROOF CEMENT.
- PROVIDE NEW 10" MODIFIED BITUMEN STRIPPING MINIMUM 4" ONTO NEW LEAD FLASHING, STRIPPING IS NOT TO EXCEED BEYOND EDGE OF TAPERED ROOF SUMP.
- PROVIDE NEW MANUFACTURER'S STANDARD MASTIC.
- PROVIDE NEW TAPERED INSULATION SUMP, SHAVE INSULATION FLUSH WITH SUMP DECK FLANGE.
- EXISTING WOOD BLOCKING TO REMAIN. REPLACE ANY DAMAGED OR DETERIORATED WOOD BLOCKING WITH NEW.
- EXISTING STRUCTURE TO REMAIN.
- REMOVE EXISTING FASCIA AND FASCIA EXTENDER.
- PROVIDE NEW PRE-FINISHED GI FASCIA, WITH 12" MIN CONCEALED SPLICE PLATES CENTERED AT JOINTS.
- PROVIDE NEW CONTINUOUS FASCIA CLEAT MECHANICALLY ATTACHED 4" O.C. MAX, STAGGERED.
- PROVIDE NEW PRE-FINISHED GI EXTENDER WITH 12" MIN CONCEALED SPLICE PLATES CENTERED AT JOINTS.
- PROVIDE NEW CONTINUOUS BEAD OF MANUFACTURER'S MASTIC.
- PROVIDE NEW TAPERED EDGE STRIPS AND FILLER TO PROVIDE SMOOTH TRANSITION WHERE WOOD BLOCKING IS ABOVE NEW INSULATION HEIGHT. SHAVE AND REDUCE TAPER EDGE STRIP AS REQUIRED TO MAINTAIN SMOOTH TRANSITION AS THICKNESS DECREASES.
- HIGH POINT OF NEW INSULATION. SEE TAPER INSULATION PLAN.
- PROVIDE NEW PRESSURE TREATED WOOD BLOCKING SECURELY ATTACHED TO EXISTING SUBSTRATE.
- EXISTING METAL DECK.
- PROVIDE NEW CONTINUOUS FIBER CANT STRIP, SET IN A BED OF ROOF CEMENT. SHAVE DOWN CANT STRIP TO ACCOMMODATE FOR NEW INSULATION HEIGHT IF NECESSARY.
- REMOVE EXG FLG, CLEAN AND PRIME AND PROVIDE NEW 2 PLY MODIFIED BITUMEN BASE FLASHINGS.
- EXISTING ROOF TOP UNIT TO REMAIN.
- EXISTING ROOF TOP UNIT CURB TO REMAIN.
- PROVIDE NEW CONTINUOUS BEAD OF LAP SEALANT.
- PROVIDE NEW PREFINISH GI COUNTER FLASHING MECHANICALLY ATTACHED 6" O.C.
- PROVIDE NEW PREFINISH GI SURFACE MOUNT RECEIVER.
- PROVIDE NEW 1" SURFACE MOUNTED TERMINATION BAR, MECHANICALLY ATTACHED 12" O.C. MAX. MITER TERMINATION BAR AT ALL VERTICAL TRANSITIONS.
- PROVIDE NEW SHEET METAL PITCH PAN.
- PROVIDE NEW POURABLE SEALER WITH MIN 2" COVERAGE AROUND PENETRATIONS.
- PROVIDE NEW NON-SHRINKING GROUT.
- EXISTING ROOF PENETRATION TO REMAIN.
- PROVIDE NEW PIPE STRAP.
- PROVIDE NEW UNI STRUT MECHANICALLY ATTACHED TO NEW UNIPER PIPE SUPPORT.
- PROVIDE NEW UNIPER PIPE SUPPORT BASE.
- PROVIDE NEW MODIFIED BITUMEN SLIP SHEET SET IN COLD ADHESIVE AT EACH SUPPORT BASE.
- REMOVE EXISTING DUCTWORK SUPPORT RAIL.
- PROVIDE NEW UNI-STRUT MECHANICALLY ATTACHED TO NEW UNIPER PIPE SUPPORT.
- EXISTING DUCT WORK TO REMAIN.
- PROVIDE NEW UNIPER PIPE SUPPORT BASE. PROVIDE 2 AT EACH DUCT SUPPORT LOCATION.
- PROVIDE NEW CONTINUOUS BEAD OF URETHANE SEALANT.
- PROVIDE NEW PRE-FINISH GI EIFS CLOSURE.
- PROVIDE NEW EPDM STRIPPING.
- PORTION OF EXISTING EPDM TO REMAIN.
- EXISTING MASONRY TO REMAIN.
- EXISTING EIFS TO REMAIN.
- CHAMFER NEW WOOD BLOCKING.
- EXISTING CONCRETE COPING TO REMAIN.
- NEW COPING AND EXPANSION JOINT BEYOND. SEE DETAIL 2/A210.
- NEW FASCIA BEYOND. SEE DETAIL 4/A209.
- NEW FASCIA BEYOND. SEE DETAIL 1/A211.
- PROVIDE NEW MODIFIED BITUMEN STRIPPING.
- NEW EXPANSION JOINT AND COPING BEYOND. SEE DETAIL 2/A210.
- PROVIDE NEW MECHANICALLY ATTACHED RIGID INSULATION BOARD.

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC



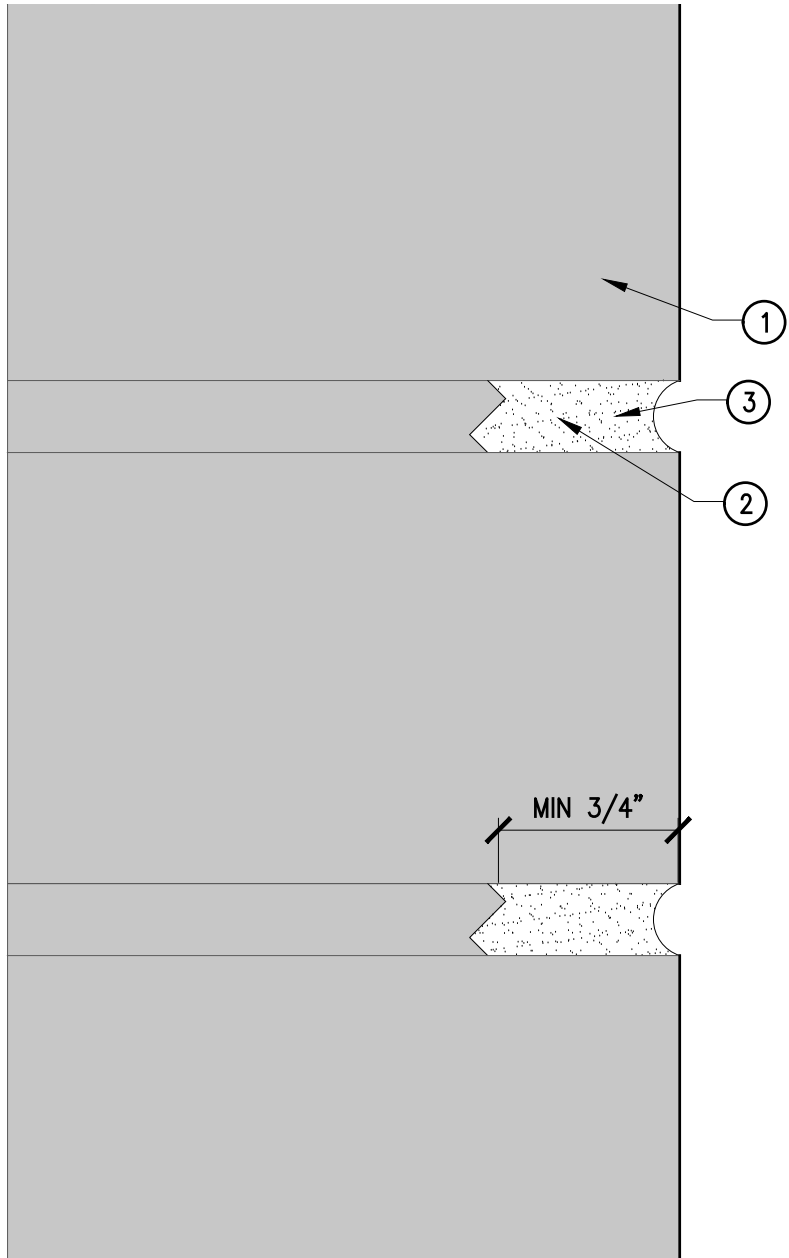
ALTERNATE FOUR WORK
CHIMNEY EAST ELEVATION
A
A212 SCALE: NTS



ALTERNATE FOUR WORK
CHIMNEY SOUTH ELEVATION
B
A212 SCALE: NTS



ALTERNATE FOUR WORK
CHIMNEY NORTH AND WEST ELEVATION
C
A212 SCALE: NTS



1 TYP BRICK REPLACEMENT/TUCKPOINTING
A212 SCALE: 1"=0"=1'-0"

SCOPE OF WORK:

PROJECT TWO-ALTERNATE FOUR WORK:

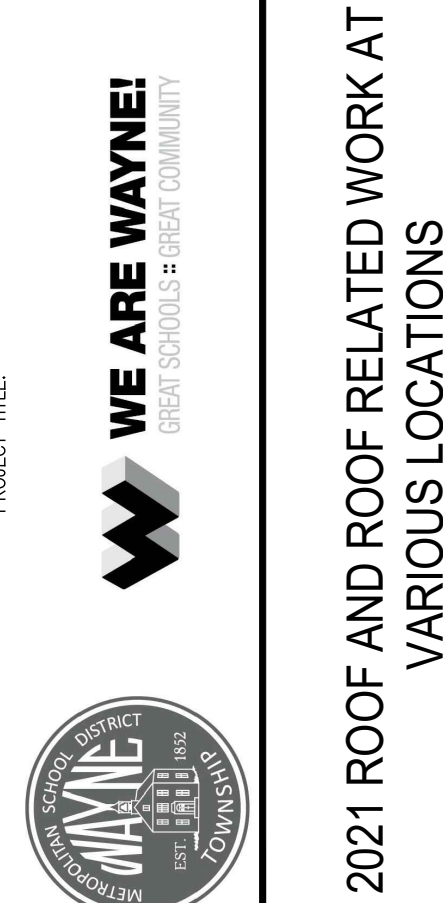
- 1 CUT OUT ALL EXISTING MORTAR JOINTS, MINIMUM $\frac{3}{4}$ " OR DEEPER TO SOUND MORTAR. CLEAN ALL DUST AND DEBRIS FROM EXISTING MORTAR JOINT AND TUCKPOINT. NEW MORTAR TO MATCH EXISTING MORTAR ON ADJACENT WALLS THAT REMAIN IN COLOR, TEXTURE AND PROFILE. SEE DETAIL 1/A212. NOTE: ANY EXISTING BRICK NOT MARKED TO BE REPLACED, THAT IS DAMAGED, SUCH AS CHIPPED, CUTS OR FACING DAMAGED OR BROKEN OFF BY THE CONTRACTOR DURING THE REMOVAL AND GRINDING OF EXISTING MORTAR JOINTS, WILL BE THE CONTRACTOR'S RESPONSIBILITY TO REPLACE WITH NEW.
- 2 EXISTING CHIMNEY LIMESTONE CAPSTONE TO REMAIN. REMOVE EXISTING CAULK AT ALL CAPSTONE HEAD JOINTS. CLEAN AND PRIME EXISTING JOINTS, ROPE AND CAULK.
- 3 CUT OUT AND REPLACE ALL EXISTING DAMAGED OR DETERIORATED BRICK WITH NEW, IN THE AREA INDICATED. NEW BRICK IS TO MATCH EXISTING IN COLOR AND SIZE. CONTRACTOR SHOULD FIGURE REPLACING MINIMUM 30 DAMAGED OR DETERIORATED BRICK THROUGHOUT PROJECT. PRIOR TO ANY TUCKPOINTING WORK THE CONTRACTOR ALONG WITH THE OWNER'S REP. WILL MARK ALL IDENTIFIED BRICK THAT IS TO BE REMOVED.



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930



DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its heirs, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:
200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED: 01/15/21	DRAWN BY: JG	CHECKED BY: AC
--------------------------	-----------------	-------------------

DRAWING TITLE:
**WESTLAKE
ELEMENTARY
MASONRY PLAN**

SHEET NUMBER:
A212

EXISTING ROOF SYSTEM LEGEND:

Roof Areas 4, 9, & 11	
Deck:	Metal
Vapor Retarder:	N/A
Insulation:	2" Polyisocyanurate
	Over 2" Polyisocyanurate
Membrane:	Ballasted EPDM
Flashings:	EPDM
Surfacing:	River Rock

NOTE:
BUILDING RENOVATIONS WILL
COINCIDE WITH ROOF WORK.
ROOFING CONTRACTOR TO
COORDINATE STAGING AND DAILY
PROCESSES WITH OTHER
CONTRACTORS

GENERAL ROOF PLAN NOTES:

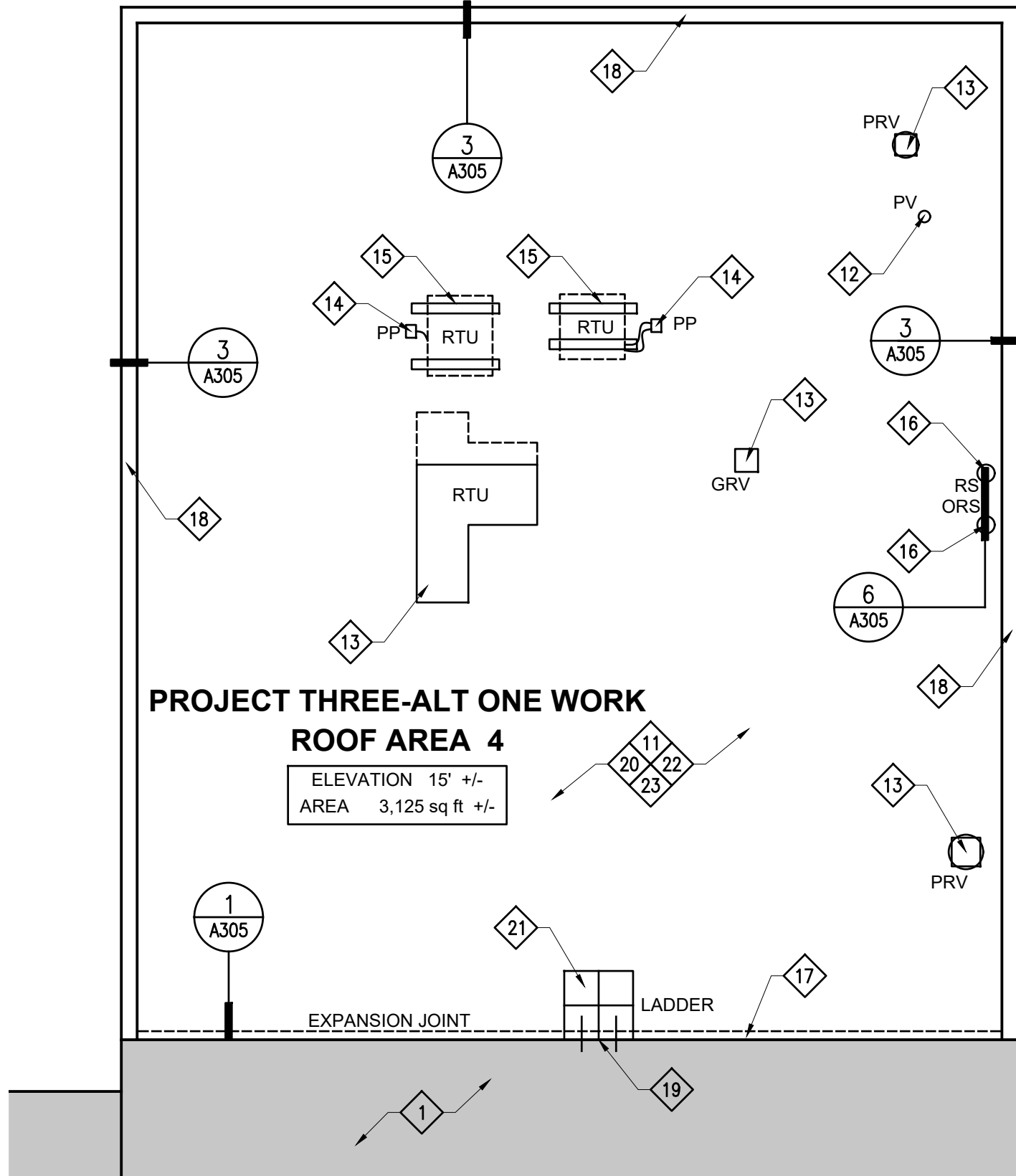
- ROOFING CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING DIMENSIONS, CONDITIONS AND DETAILS THAT MAY AFFECT THIS WORK.
- ROOFING CONTRACTOR IS TO INSPECT EXISTING METAL DECKS FOR ANY DAMAGE AND/OR DETERIORATION. ROOFING CONTRACTOR IS TO DOCUMENT, REPORT AND CORRECT ANY UNSATISFACTORY CONDITIONS PRIOR TO INSTALLING NEW ROOF SYSTEM.
- ROOFING CONTRACTOR IS TO VERIFY THAT ALL EXISTING PLUMBING VENTS TO REMAIN WILL ACCOMMODATE A MINIMUM 8" FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO ADJUST AND EXTEND ANY THAT WOULD FAIL TO MEET THE 8" MINIMUM FLASHING HEIGHT.
- ROOF CONTRACTOR IS TO VERIFY THAT ALL EXISTING ROOF TOP EQUIPMENT THAT IS TO REMAIN WILL ACCOMMODATE A MINIMUM 12" BASE FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO RAISE ANY OR ALL UNITS THAT FAIL TO MEET THE 12" MINIMUM FLASHING HEIGHT. EXTEND ANY/OR ALL EXISTING DUCTWORK AND WIRING TO ACCOMMODATE NEW HEIGHT OF UNIT - DON'T STRETCH EXISTING WIRING TO ACCOMMODATE NEW HEIGHT.
- ROOFING CONTRACTOR IS TO INSPECT ALL EXISTING ROOF DRAINS FOR DAMAGE OR MISSING COMPONENTS AND REPLACE WITH NEW IF ANY COMPONENTS ARE DAMAGED OR MISSING. ALL EXISTING PLASTIC OR MISSING ROOF SUMP STRAINERS (IF ANY) ARE TO BE REMOVED AND REPLACED WITH NEW CAST IRON STRAINERS.
- UPON COMPLETION OF ROOF WORK CONTRACTOR IS TO WATER TEST ALL ROOF SUMPS TO ENSURE THEY ARE OPEN AND DRAIN PROPERLY.

ROOF PLAN SCOPE OF WORK:
BASE WORK ROOF AREAS 9,&11

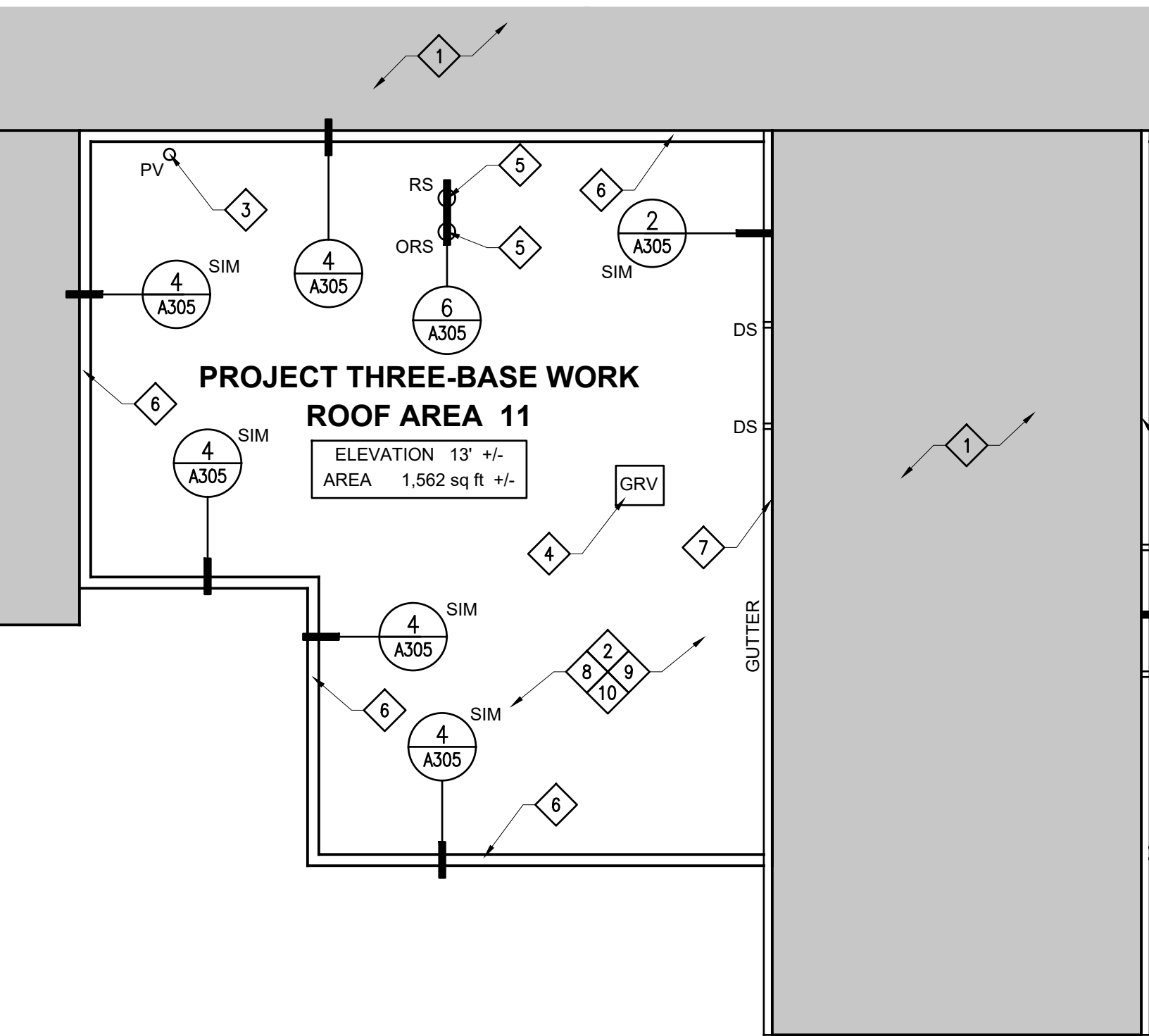
- NO WORK OR MATERIAL STORAGE IN THIS AREA
- REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- REMOVE ALL EXISTING PLUMBING VENT (PV) FLASHINGS AND PROVIDE NEW LEAD FLASHING.
- EXISTING POWER ROOF VENTS (PRV) AND GRAVITY ROOF VENTS (GRV) TO REMAIN. SEE DETAIL 5/A305.
- EXISTING (3) ROOF SUMPS AND (3) OVERFLOW ROOF SUMPS TO REMAIN. RESET EXISTING CLAMPING RINGS AND STRAINERS IN NEW LEAD FLASHING.
- REMOVE EXISTING METAL FASCIA AND PROVIDE NEW METAL FASCIA.
- EXISTING GUTTER TO REMAIN. PROVIDE NEW CONCRETE SPLASH BLOCKS AT DOWNSPOUTS DISCHARGE.
- PROVIDE NEW (1) LAYER MECHANICALLY ATTACHED 2" RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED 1-1/2" RIGID INSULATION, (1) LAYER ADHESIVELY ADHERED 1/2" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW MODIFIED BITUMEN FLASHINGS AND STRIPPINGS.
- PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.

ALTERNATE ONE WORK ROOF AREA 4:

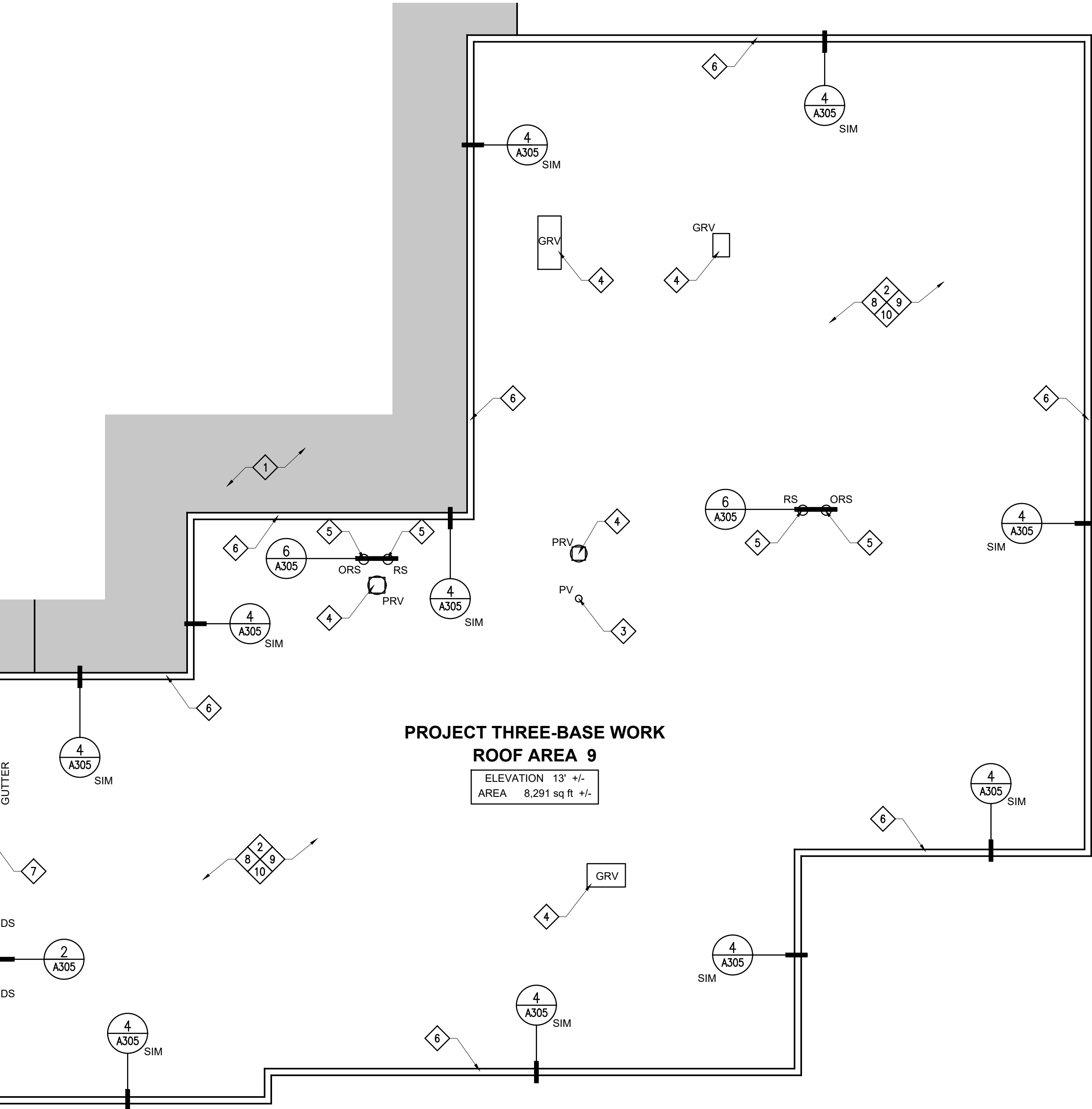
- REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING AND STRIPPINGS.
- REMOVE EXISTING PLUMBING VENT (PV) FLASHINGS AND PROVIDE NEW LEAD FLASHINGS.
- EXISTING POWER ROOF VENTS (PRV), GRAVITY ROOF VENTS (GRV), AND ROOFTOP UNITS (RTU) TO REMAIN. SEE DETAIL 5/A305.
- REMOVE EXISTING PITCH POCKETS (PIT) AND PROVIDE NEW. SEE DETAIL 2/A306.
- EXISTING ROOFTOP UNITS (RTU) TO REMAIN. REMOVE EXISTING EQUIPMENT RAILS AND PROVIDE NEW NON-PENETRATING SUPPORT PLATFORM. SEE DETAIL 1/A306.
- EXISTING (1) ROOF SUMPS AND (1) OVERFLOW ROOF SUMPS TO REMAIN. RESET EXISTING CLAMPING RINGS AND STRAINERS IN NEW LEAD FLASHING.
- REMOVE EXISTING EXPANSION JOINT AND PROVIDE NEW WOOD BLOCKING EXPANSION JOINT AND EXPANSION JOINT COVER.
- REMOVE EXISTING METAL COPING AND FASCIA EXTENDER AND PROVIDE NEW METAL COPING AND FASCIA EXTENDER.
- EXISTING LADDER TO REMAIN.
- PROVIDE NEW (1) LAYER MECHANICALLY ATTACHED 2" RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED 1-1/2" RIGID INSULATION, (1) LAYER ADHESIVELY ADHERED 1/2" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW INTERLOCKING RUBBER WALKWAY PADS AS INDICATED ON DRAWING.
- PROVIDE NEW MODIFIED BITUMEN FLASHINGS AND STRIPPINGS.
- PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.



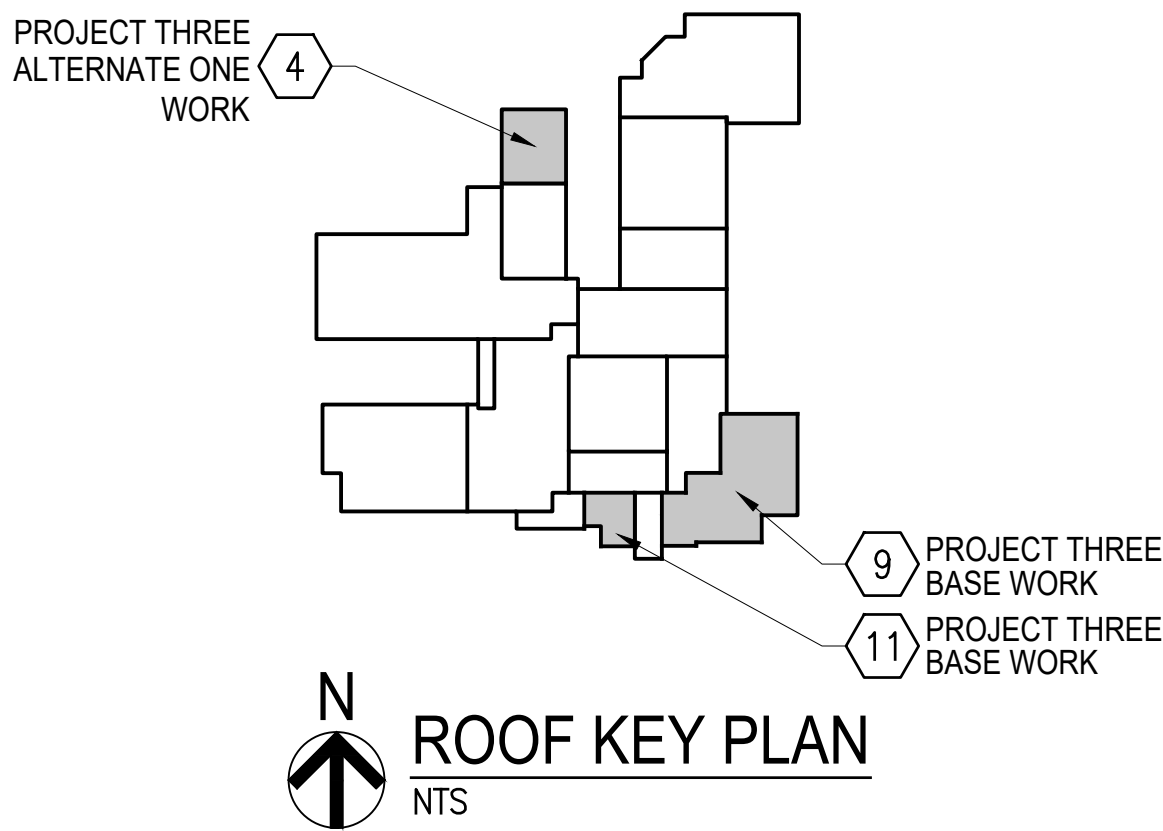
PARTIAL ROOF PLAN
McCLELLAND ELEMENTARY SCHOOL
SCALE: 1/8"=1'-0"



PARTIAL ROOF PLAN
McCLELLAND ELEMENTARY SCHOOL
SCALE: 1/8"=1'-0"



PROJECT THREE-BASE WORK
ROOF AREA 9
ELEVATION 13' +/-
AREA 8,291 sq ft +/-



ROOF KEY PLAN
NTS

PROJECT THREE-ROOFING
McCLELLAND ELEMENTARY SCHOOL
6740 W MORRIS ST,
INDIANAPOLIS, INDIANA 46241



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

PROJECT TITLE:
WE ARE WAYNE!
GREAT SCHOOLS • GREAT COMMUNITY
**2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS**



DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and conditions. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

DRAWING TITLE:

McCLELLAND
ELEMENTARY
PARTIAL ROOF PLAN

SHEET NUMBER:

A301

EXISTING ROOF SYSTEM LEGEND:

Roof Area 1

Deck:	Metal
Vapor Retarder:	N/A
Insulation:	2" Polyisocyanurate
	Over 2" Polyisocyanurate
Membrane:	Ballasted EPDM
Flashings:	EPDM
Surfacing:	River Rock

NOTE:
BUILDING RENOVATIONS WILL
COINCIDE WITH ROOF WORK.
ROOFING CONTRACTOR TO
COORDINATE STAGING AND DAILY
PROCESSES WITH OTHER
CONTRACTORS

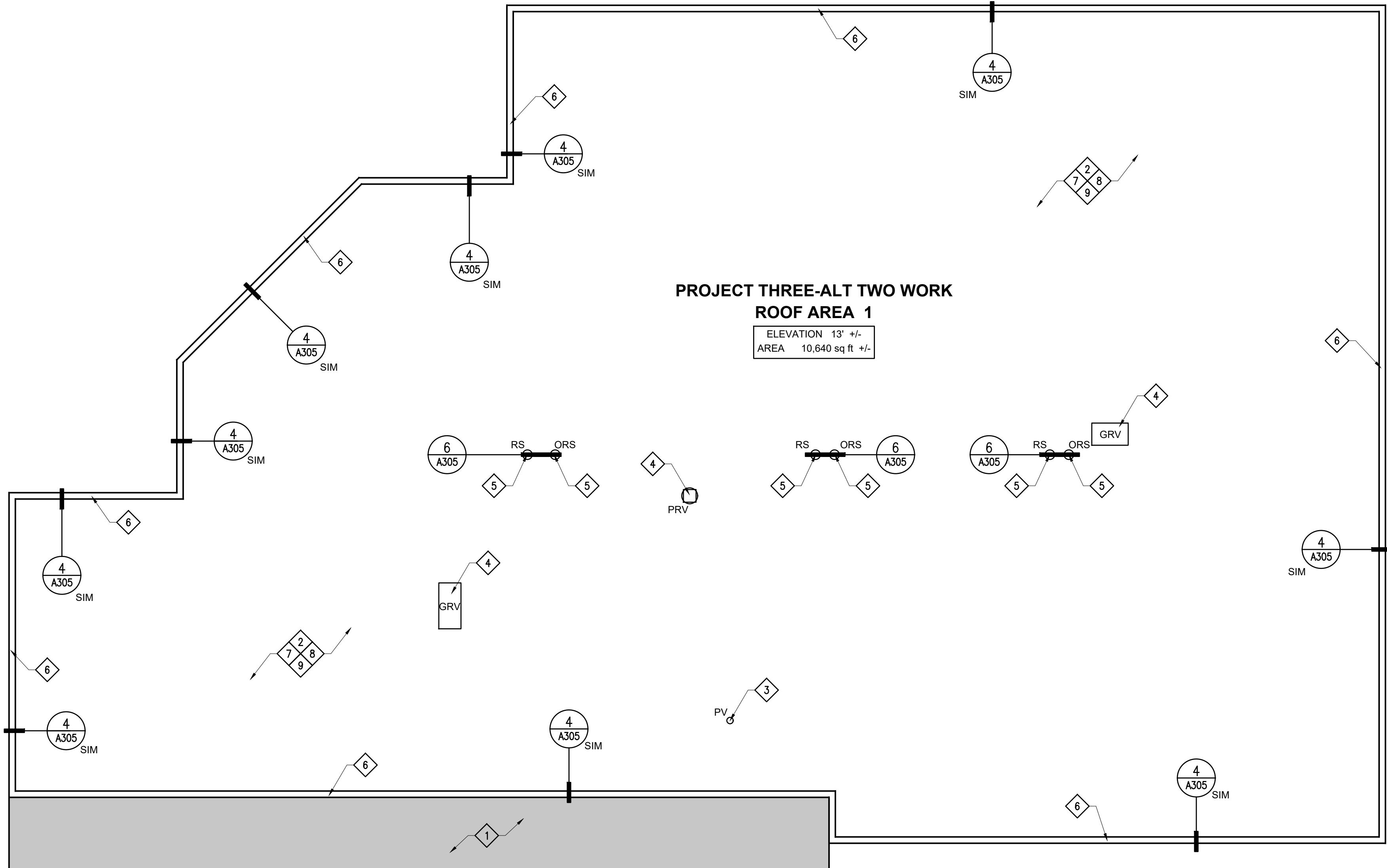
GENERAL ROOF PLAN NOTES:

- A. ROOFING CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING DIMENSIONS, CONDITIONS AND DETAILS THAT MAY AFFECT THIS WORK.
- B. ROOFING CONTRACTOR IS TO INSPECT EXISTING METAL DECK FOR ANY DAMAGE AND/OR DETERIORATION. ROOFING CONTRACTOR IS TO DOCUMENT, REPORT AND CORRECT ANY UNSATISFACTORY CONDITIONS PRIOR TO INSTALLING NEW ROOF SYSTEM.
- C. ROOFING CONTRACTOR IS TO VERIFY THAT ALL EXISTING PLUMBING VENTS TO REMAIN WILL ACCOMMODATE A MINIMUM 8" FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO ADJUST AND EXTEND ANY THAT WOULD FAIL TO MEET THE 8" MINIMUM FLASHING HEIGHT.
- D. ROOF CONTRACTOR IS TO VERIFY THAT ALL EXISTING ROOF TOP EQUIPMENT THAT IS TO REMAIN WILL ACCOMMODATE A MINIMUM 12" BASE FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO RAISE ANY OR ALL UNITS THAT FAIL TO MEET THE 12" MINIMUM FLASHING HEIGHT. EXTEND ANY/OR ALL EXISTING DUCTWORK AND WIRING TO ACCOMMODATE NEW HEIGHT OF UNIT - DON'T STRETCH EXISTING WIRING TO ACCOMMODATE NEW HEIGHT.
- E. ROOFING CONTRACTOR IS TO INSPECT ALL EXISTING ROOF DRAINS FOR DAMAGE OR MISSING COMPONENTS AND REPLACE WITH NEW IF ANY COMPONENTS ARE DAMAGED OR MISSING. ALL EXISTING PLASTIC OR MISSING ROOF SUMP STRAINERS (IF ANY) ARE TO BE REMOVED AND REPLACED WITH NEW CAST IRON STRAINERS.
- F. UPON COMPLETION OF ROOF WORK CONTRACTOR IS TO WATER TEST ALL ROOF SUMPS TO ENSURE THEY ARE OPEN AND DRAIN PROPERLY.

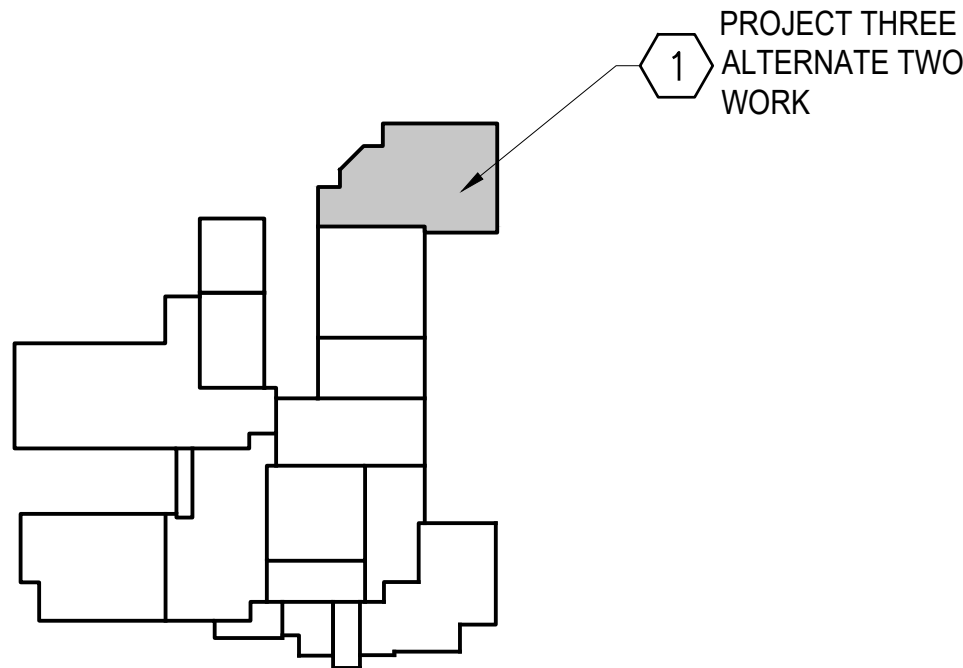
ROOF PLAN SCOPE OF WORK:

ALTERNATE TWO WORK ROOF AREA 1

- 1 NO WORK OR MATERIAL STORAGE IN THIS AREA
- 2 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- 3 REMOVE ALL EXISTING PLUMBING VENT (PV) FLASHINGS AND PROVIDE NEW LEAD FLASHINGS.
- 4 EXISTING POWER ROOF VENTS (PRV) AND GRAVITY ROOF VENTS (GRV) TO REMAIN. SEE DETAIL 5/A305.
- 5 EXISTING (3) ROOF SUMPS AND (3) OVERFLOW ROOF SUMPS TO REMAIN. RESET EXISTING CLAMPING RINGS AND STRAINERS IN NEW LEAD FLASHING.
- 6 REMOVE EXISTING METAL FASCIA AND PROVIDE NEW METAL FASCIA.
- 7 PROVIDE NEW (1) LAYER MECHANICALLY ATTACHED 2" RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED 1-1/2" RIGID INSULATION, (1) LAYER ADHESIVELY ADHERED 1/2" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- 8 PROVIDE NEW MODIFIED BITUMEN FLASHINGS AND STRIPPINGS.
- 9 PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.



PARTIAL ROOF PLAN
McCLELLAND ELEMENTARY SCHOOL
SCALE: 1/8"=1'-0"



ROOF KEY PLAN
NTS

PROJECT THREE-ROOFING
McCLELLAND ELEMENTARY SCHOOL
6740 W MORRIS ST,
INDIANAPOLIS, INDIANA 46241



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

PROJECT TITLE:

WE ARE WAYNE!
GREEN. SUSTAINABLE. HIGH COMMUNITY.

WAYNE
METROPOLITAN DISTRICT
EST. 1974

2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

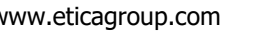
DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

DRAWING TITLE:

McCLELLAND
ELEMENTARY
PARTIAL ROOF PLAN

SHEET NUMBER:

A302



Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930



VARIOUS LOCATIONS

DISCLAIMER:

This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc., its heirs, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DATE ISSUED: 01/15/21	DRAWN BY: JG	CHECKED BY: AC
--------------------------	-----------------	-------------------

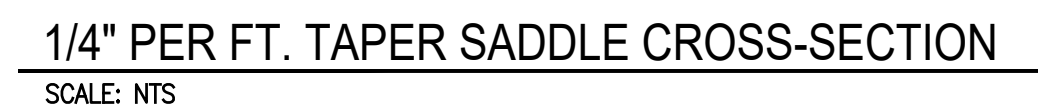
DRAWING TITLE:

McCLELLAND
ELEMENTARY
PARTIAL TAPER
INSULATION PLAN

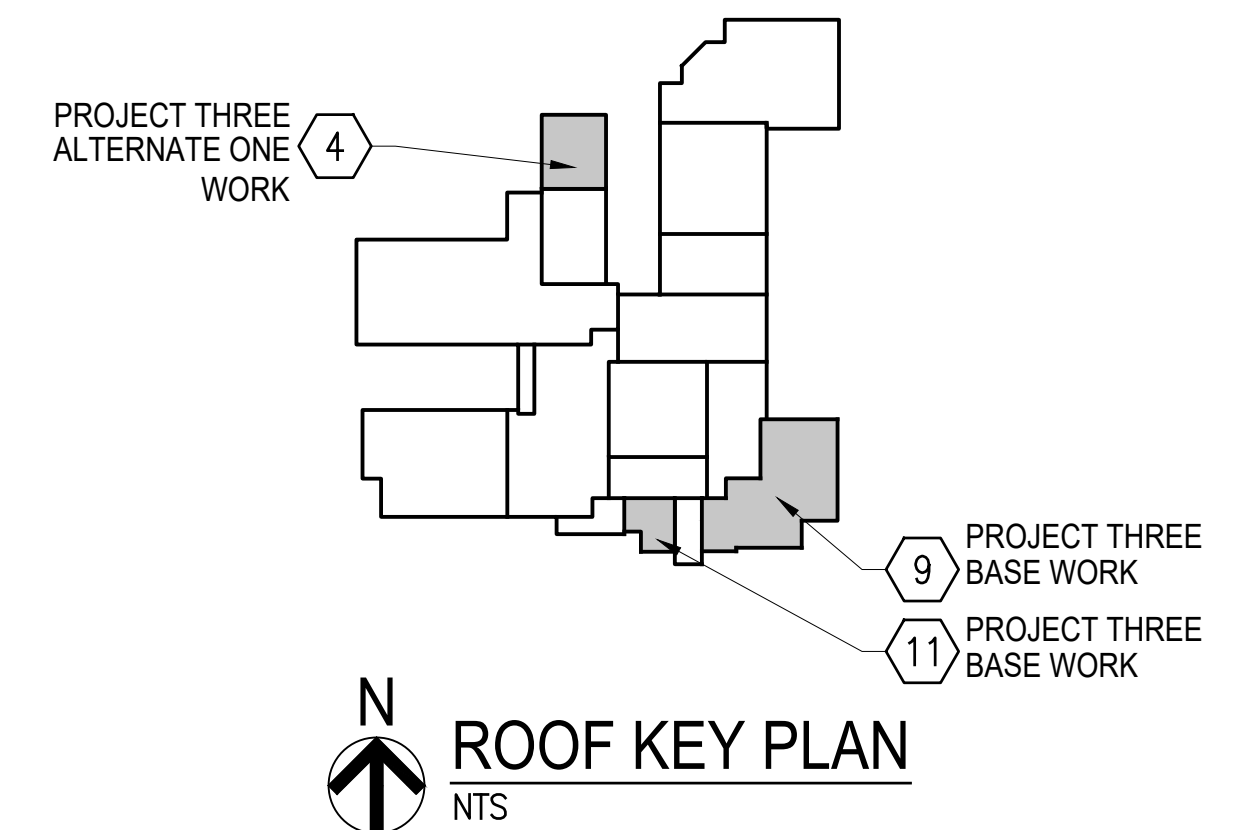
SHEET NUMBER:

A303

- 1 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- 2 AFTER EXISTING ROOF SYSTEM IS REMOVED, ROOFING CONTRACTOR IS TO VERIFY THAT EXISTING DECK IS LEVEL. IF ANY DEFLECTION IS FOUND THAT WILL AFFECT DRAINAGE, THE ROOFING CONTRACTOR IS TO FILL THOSE AREAS IN ORDER TO PROVIDE A LEVEL SURFACE PRIOR TO INSTALLING ANY NEW ROOF INSULATION.
- 3 PROVIDE NEW (1) LAYER MECHANICALLY ATTACHED 2" RIGID INSULATION, (2) LAYER MECHANICALLY ATTACHED 1-1/2" RIGID INSULATION, (1) LAYER ADHESIVELY ADHERED 1/2" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- 4 PROVIDE NEW 1/4:12 ADHESIVELY ADHERED TAPERED INSULATION SADDLE.
- 5 PROVIDE NEW TAPERED EDGE STRIPS AT THE BASE OF ALL SADDLES TO PROVIDE SMOOTH TRANSITION.

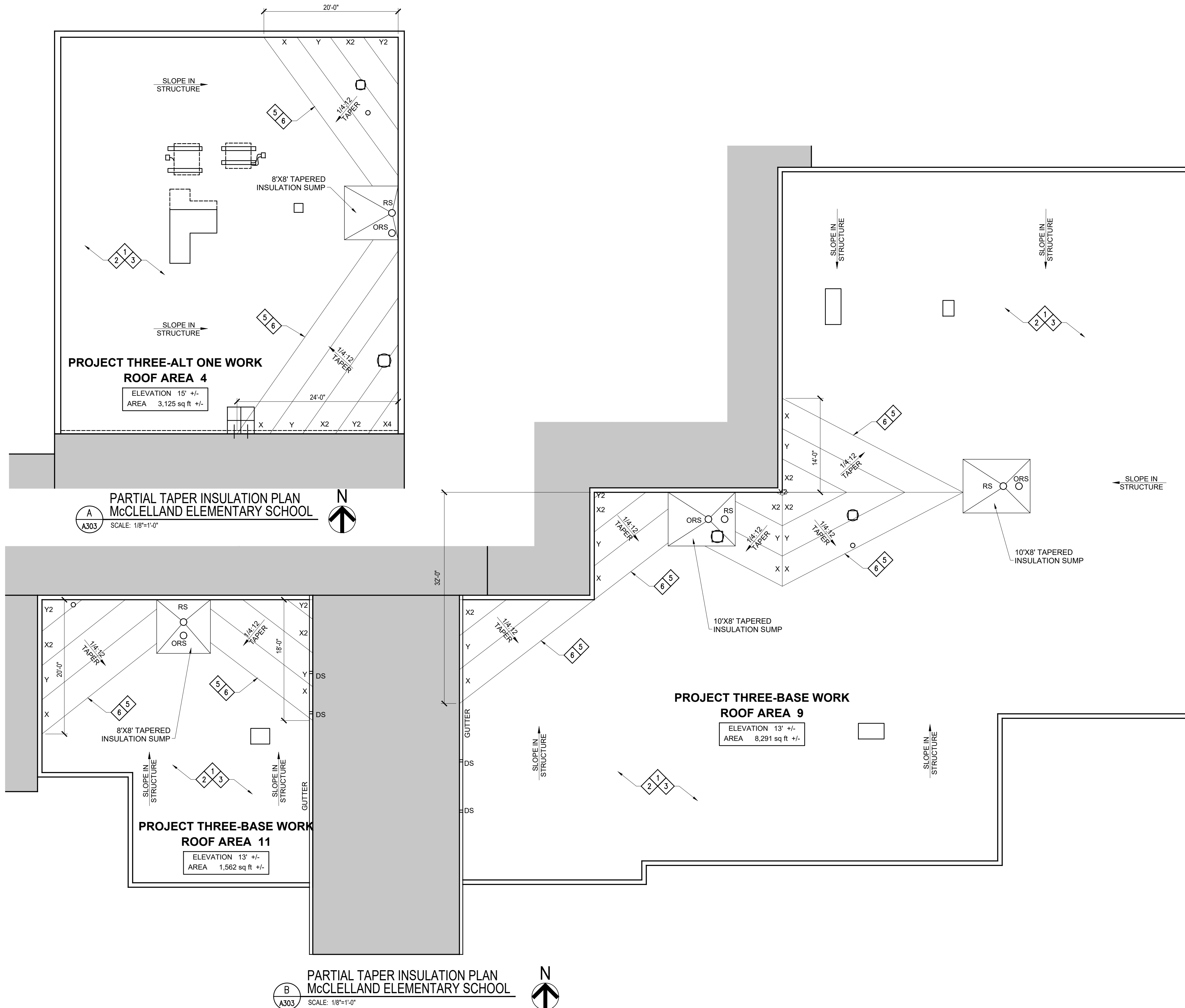


1/4:12 TAPER SADDLE PANEL SCHEDULE				
X	TAPERED	0.50"-1.5"	4'x4'	1/4"/FT
Y	TAPERED	1.5"-2.5"	4'x4'	1/4"/FT
2"	FILL	2"	4'x4'	FLAT



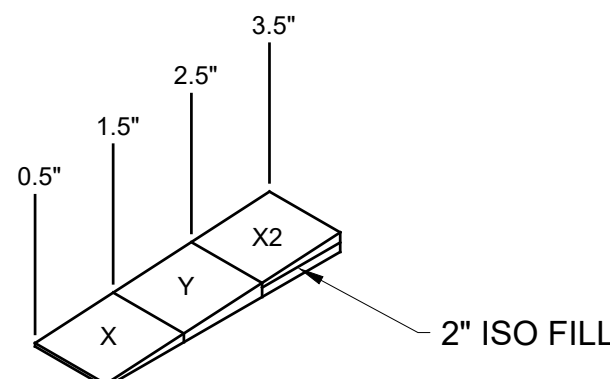
ROOF KEY PLAN
NTS

PROJECT THREE-ROOFING
McCLELLAND ELEMENTARY SCHOOL
6740 W MORRIS ST,
INDIANAPOLIS, INDIANA 46241



TAPER INSULATION ROOF PLAN - SCOPE OF WORK:

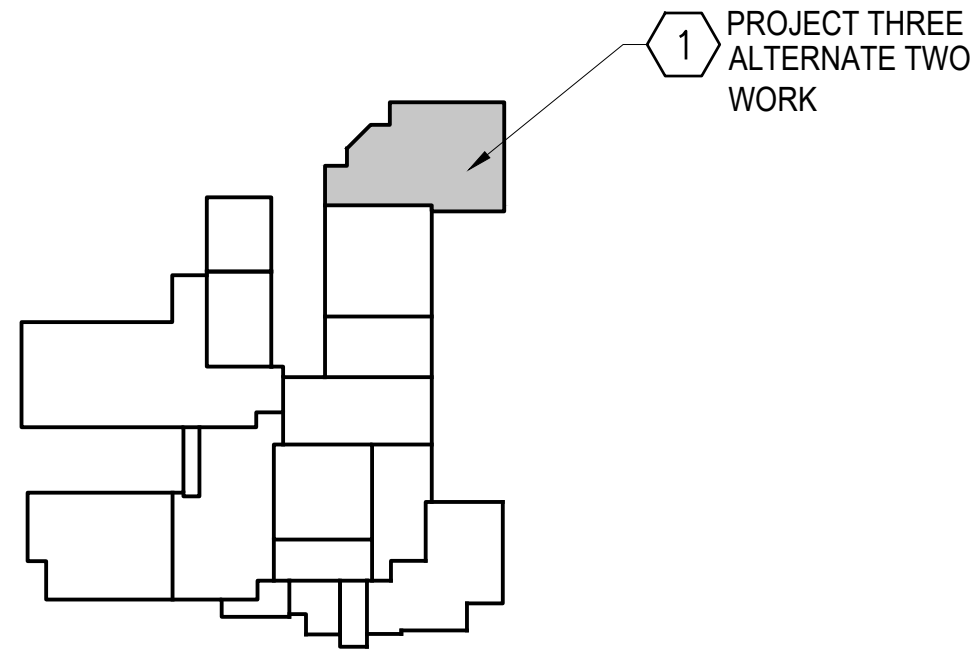
- 1 REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING, AND STRIPPINGS.
- 2 AFTER EXISTING ROOF SYSTEM IS REMOVED, ROOFING CONTRACTOR IS TO VERIFY THAT EXISTING DECK IS LEVEL. IF ANY DEFLECTION IS FOUND THAT WILL AFFECT DRAINAGE, THE ROOFING CONTRACTOR IS TO FILL THOSE AREAS IN ORDER TO PROVIDE A LEVEL SURFACE PRIOR TO INSTALLING ANY NEW ROOF INSULATION.
- 3 PROVIDE NEW (1) LAYER MECHANICALLY ATTACHED 2" RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED 1-1/2" RIGID INSULATION, (1) LAYER ADHESIVELY ADHERED 1/2" RECOVER BOARD INSULATION, AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- 4 PROVIDE NEW 1/4:12 ADHESIVELY ADHERED TAPERED INSULATION SADDLE.
- 5 PROVIDE NEW TAPERED EDGE STRIPS AT THE BASE OF ALL SADDLES TO PROVIDE SMOOTH TRANSITION.



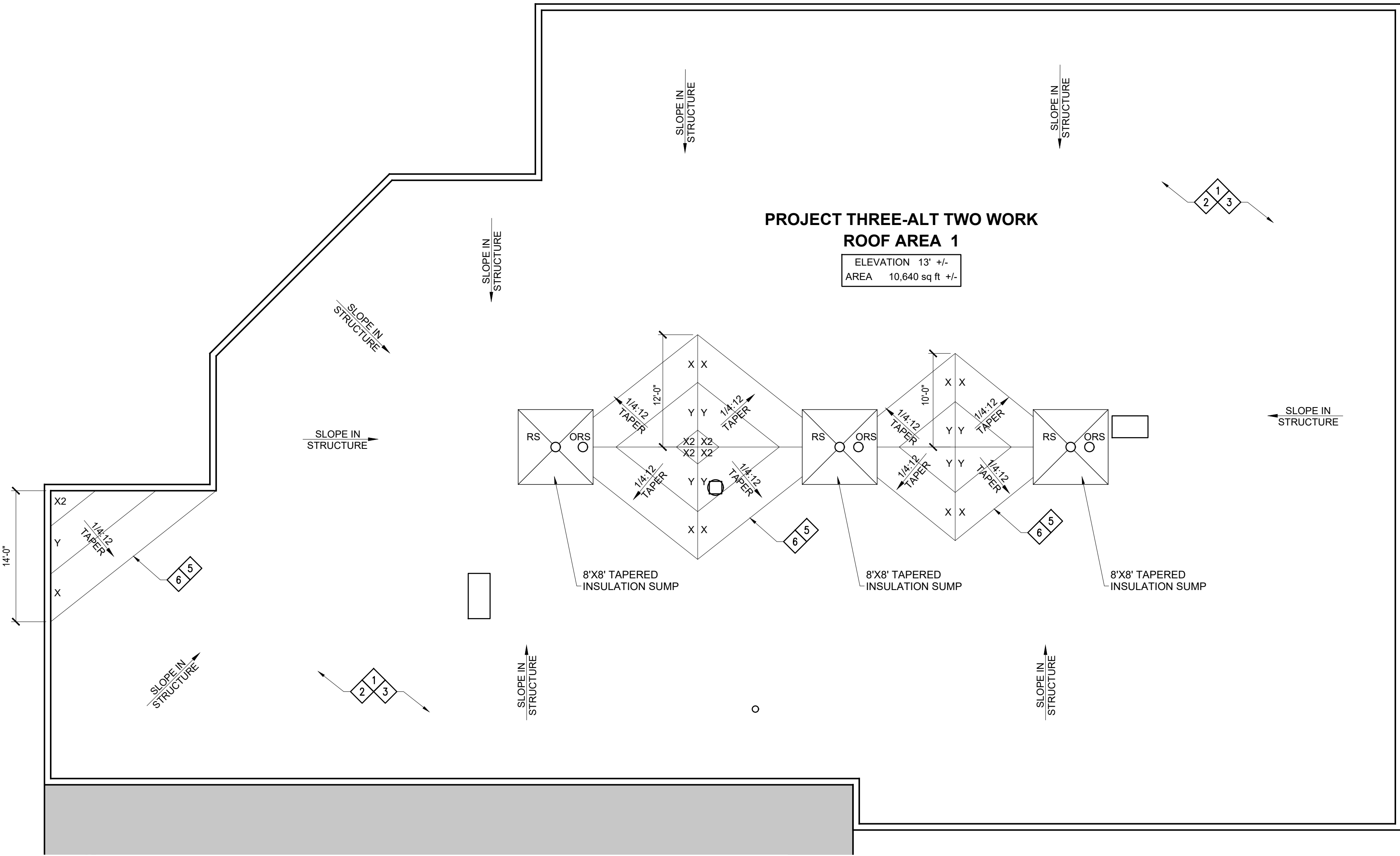
1/4" PER FT. TAPER SADDLE CROSS-SECTION

SCALE: NTS

1/4:12 TAPER SADDLE PANEL SCHEDULE				
X	TAPERED	0.50"-1.5"	4'x4'	1/4"/FT
Y	TAPERED	1.5"-2.5"	4'x4'	1/4"/FT
2"	FILL	2"	4'x4'	FLAT



PROJECT THREE-ROOFING
McCLELLAND ELEMENTARY SCHOOL
6740 W MORRIS ST,
INDIANAPOLIS, INDIANA 46241



PARTIAL TAPER INSULATION PLAN
McCLELLAND ELEMENTARY SCHOOL
SCALE: 1/8"=1'-0"

PROJECT TITLE:



**2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS**

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

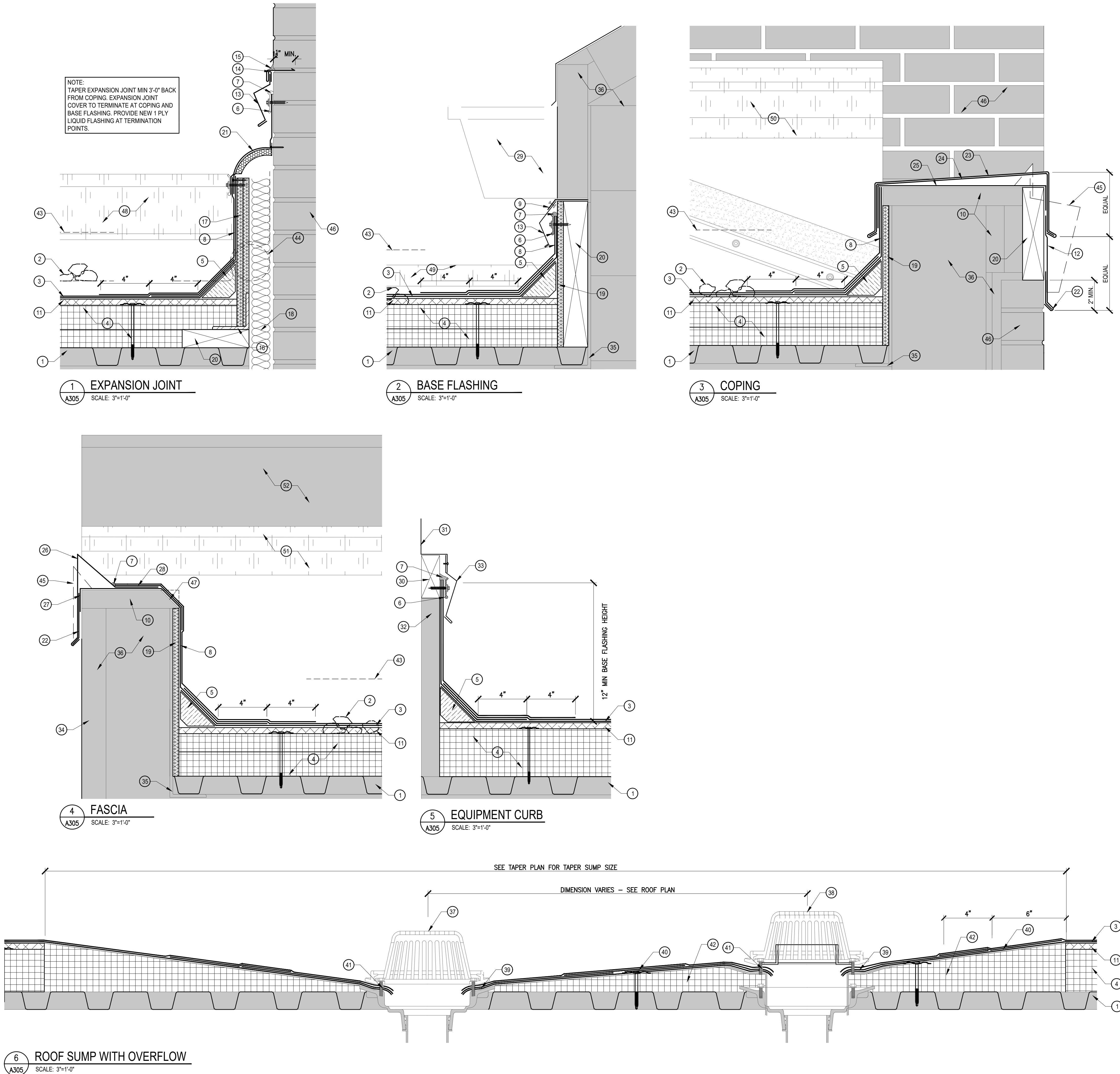
DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

DRAWING TITLE:

**McCLELLAND
ELEMENTARY
PARTIAL TAPER
INSULATION PLAN**

SHEET NUMBER:

A304



DETAIL KEY NOTES

- EXISTING METAL DECK.
- REMOVE EXISTING ROOF SYSTEM, INSULATIONS, FLASHINGS AND STRIPPINGS.
- PROVIDE NEW 2 PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW MECHANICALLY ATTACHED RIGID INSULATION BOARD.
- PROVIDE NEW CONTINUOUS FIBER CANT STRIP SET IN BED OF ROOF CEMENT. SHAVE DOWN CANT STRIP TO ACCOMMODATE FOR NEW INSULATION HEIGHT IF NECESSARY.
- PROVIDE NEW 1" SURFACE MOUNTED TERMINATION BAR, MECHANICALLY ATTACHED 12" O.C. MAX. MITER TERMINATION BAR AT ALL VERTICAL TRANSITIONS.
- PROVIDE NEW CONTINUOUS BEAD OF MANUFACTURER'S MASTIC.
- CLEAN AND PRIME EXISTING SUBSTRATE. PROVIDE NEW 2 PLY MODIFIED BITUMEN BASE FLASHING.
- EXISTING FLASHING TO REMAIN. TRIM TO 1" FOR ATTACHMENT OF NEW COUNTER FLASHING.
- EXISTING WOOD BLOCKING TO REMAIN. REPLACE ANY DAMAGED OR DETERIORATED WOOD BLOCKING WITH NEW.
- PROVIDE NEW ADHESIVELY ADHERED RECOVER BOARD INSULATION.
- PROVIDE NEW PRE-FINISHED GI FASCIA EXTENDER WITH 12" MIN CONCEALED SPLICE PLATES CENTERED AT JOINTS.
- PROVIDE NEW PRE-FINISH GI COUNTER FLASHING MECHANICALLY ATTACHED 6" O.C. MAX.
- PROVIDE NEW PRE-FINISH GI REGLET RECEIVER.
- PROVIDE NEW CONTINUOUS BEAD OF URETHANE SEALANT.
- PROVIDE NEW 3"x4"x $\frac{3}{4}$ " STEEL ANGLES 24" LONG, 24" O.C., SECURELY ATTACHED TO EXISTING SUBSTRATE.
- PROVIDE NEW (2) LAYERS OF $\frac{3}{4}$ " EXTERIOR GRADE PRESSURE TREATED PLYWOOD MECHANICALLY ATTACHED TO NEW STEEL ANGLES.
- PROVIDE NEW FIBERGLASS BATT INSULATION TO FILL JOINT IN EXPANSION JOINT CURB
- PROVIDE NEW EXTERIOR GRADE PRESSURE TREATED PLYWOOD.
- PROVIDE NEW PRESSURE TREATED WOOD BLOCKING SECURELY ATTACHED TO EXISTING SUBSTRATE.
- PROVIDE NEW FLEXIBLE EXPANSION JOINT COVER. STRIP OFF EXPANSION JOINT NAILING FLANGE WITH TOP PLY OF NEW MODIFIED BITUMEN BASE FLASHING. SECURE EPDM COVER WITH NEW SURFACE MOUNTED TERMINATION BAR. TRIM EPDM COVER FLUSH WITH BOTTOM OF TERMINATION BAR.
- PROVIDE NEW CONTINUOUS FASCIA CLEAT MECHANICALLY ATTACHED 4" O.C. MAX, STAGGERED.
- PROVIDE NEW PREFINISH GI COPING, WITH 12" MIN CONCEALED SPLICE PLATED CENTERED AT JOINTS.
- PROVIDE NEW CONTINUOUS GI COPING CLIP.
- PROVIDE NEW ICE/WATER SHIELD MEMBRANE. TURN NEW ICE/WATER SHIELD MEMBRANE DOWN MIN 2" ON BACK AND FRONT FACE.
- PROVIDE NEW PRE-FINISHED GI FASCIA, WITH 12" MIN CONCEALED SPLICE PLATES CENTERED AT JOINTS.
- NEW BASE PLY MODIFIED BITUMEN MEMBRANE TO WRAP OVER EDGE MIN 2".
- PROVIDE NEW MODIFIED BITUMEN STRIPPING.
- EXISTING GUTTER AND DOWNSPOUT TO REMAIN.
- PROVIDE NEW WOOD BLOCKING, IF NECESSARY, TO RAISE UNIT TO PROVIDE MIN 12" BASE FLASHING HEIGHT.
- EXISTING ROOF TOP UNIT HOOD TO REMAIN.
- EXISTING ROOF TOP UNIT CURB TO REMAIN.
- PROVIDE NEW COUNTER FLASHING MECHANICALLY ATTACHED TO EXG ROOF TOP UNIT FLANGE. NEW COUNTER FLASHING TO MATCH EXG HOOD METAL.
- EXISTING EIFS TO REMAIN.
- EXISTING STEEL ANGLE TO REMAIN.
- EXISTING STRUCTURE TO REMAIN.
- EXISTING ROOF SUMP, CLAMPING RING, AND STRAINER. PROVIDE NEW WHERE NECESSARY.
- OVERFLOW ROOF SUMP, CLAMPING RING, AND STRAINER. PROVIDE NEW WHERE NECESSARY.
- PROVIDE NEW PRIMED LEAD FLASHING, BOTH SIDES, SET IN BED OF ROOF CEMENT.
- PROVIDE NEW 10" MODIFIED BITUMEN STRIPPING MINIMUM 4" ONTO NEW LEAD FLASHING. STRIPPING IS NOT TO EXCEED BEYOND EDGE OF TAPERED ROOF SUMP.
- PROVIDE NEW MANUFACTURER'S STANDARD MASTIC.
- PROVIDE NEW TAPERED INSULATION SUMP, SHAVE INSULATION FLUSH WITH SUMP DECK FLANGE.
- HIGH POINT OF NEW INSULATION. SEE TAPER INSULATION PLAN.
- REMOVE EXISTING EXPANSION JOINT.
- REMOVE EXISTING FASCIA.
- EXISTING MASONRY WALL TO REMAIN.
- CHAMFER EXISTING WOOD BLOCKING.
- NEW COPING BEYOND. SEE DETAIN 3/A305.
- NEW FASCIA BEYOND. SEE DETAIL 4/A305.
- NEW EXPANSION JOINT BEYOND. SEE DETAIL 1/A305.
- NEW BASE FLASHING BEYOND. SEE DETAIL 2/A305.
- EXISTING GUTTER BEYOND.



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

PROJECT TITLE:



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

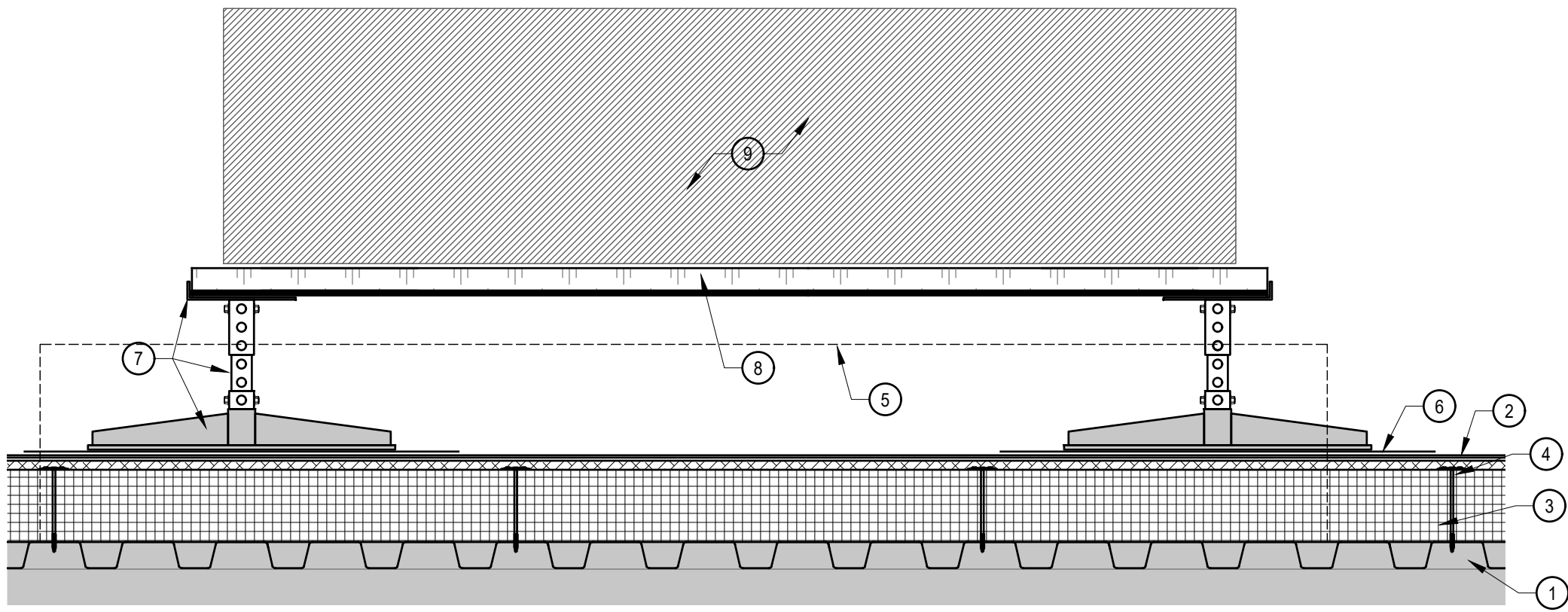
DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

DRAWING TITLE:

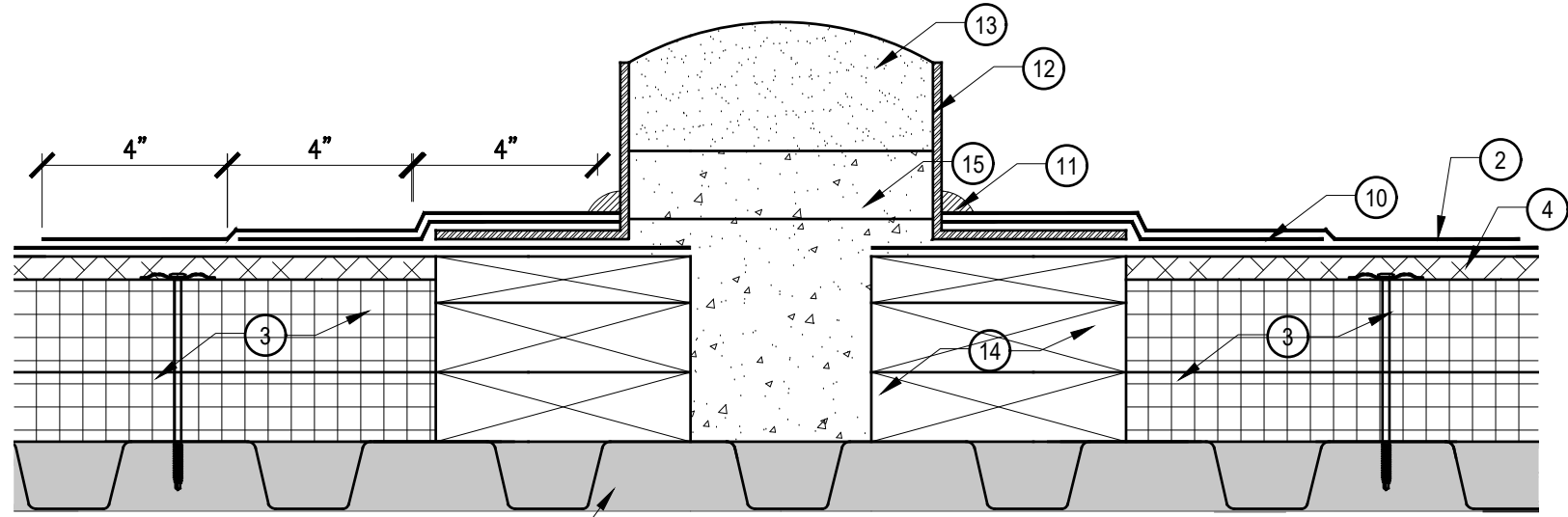
McCLELLAND
ELEMENTARY
ROOF DETAILS

SHEET NUMBER:

A305



1 SUPPORT PLATFORM
A306 SCALE: 1 1/2"=1'-0"



2 PITCHPOCKET
A306 SCALE: 3"=1'-0"

DETAIL KEY NOTES

- EXISTING METAL DECK.
- PROVIDE NEW 2 PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW MECHANICALLY ATTACHED RIGID INSULATION BOARD.
- PROVIDE NEW ADHESIVELY ADHERED RECOVER BOARD INSULATION.
- REMOVE EXISTING EQUIPMENT SUPPORT RAILS.
- PROVIDE NEW MODIFIED BITUMEN SLIP SHEET SET IN COLD ADHESIVE AT EACH SUPPORT BASE.
- PROVIDE NEW ADJUSTABLE NON PENETRATING EQUIPMENT SUPPORT PLATFORM WITH NEW 17" BASE.
- PROVIDE NEW GI STEEL GRATE EQUIPMENT SUPPORT PLATFORM.
- EXISTING ROOF TOP UNIT TO REMAIN.
- PROVIDE NEW MODIFIED BITUMEN STRIPPING.
- PROVIDE NEW CONTINUOUS BEAD OF MANUFACTURER'S MASTIC.
- PROVIDE NEW SHEET METAL PITCH PAN.
- PROVIDE NEW POURABLE SEALER WITH MIN. 2" COVERAGE AROUND PENETRATIONS.
- PROVIDE NEW PRESSURE TREATED WOOD BLOCKING SECURELY ATTACHED TO EXISTING SUBSTRATE.
- PROVIDE NEW NON SHRINKING GROUT.



www.eticagroup.com

Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	JG	AC

DRAWING TITLE:

McCLELLAND
ELEMENTARY
ROOF DETAILS

SHEET NUMBER:

A306

EXISTING ROOF SYSTEM LEGEND:

Roof Area 6A
Deck: Concrete
Vapor Retarder: NA
Insulation: ½" Wood Fiber over Tapered Polyisocyanurate
Membrane: Fully Adhered EPDM
Flashings: EPDM
Surfacing: NA

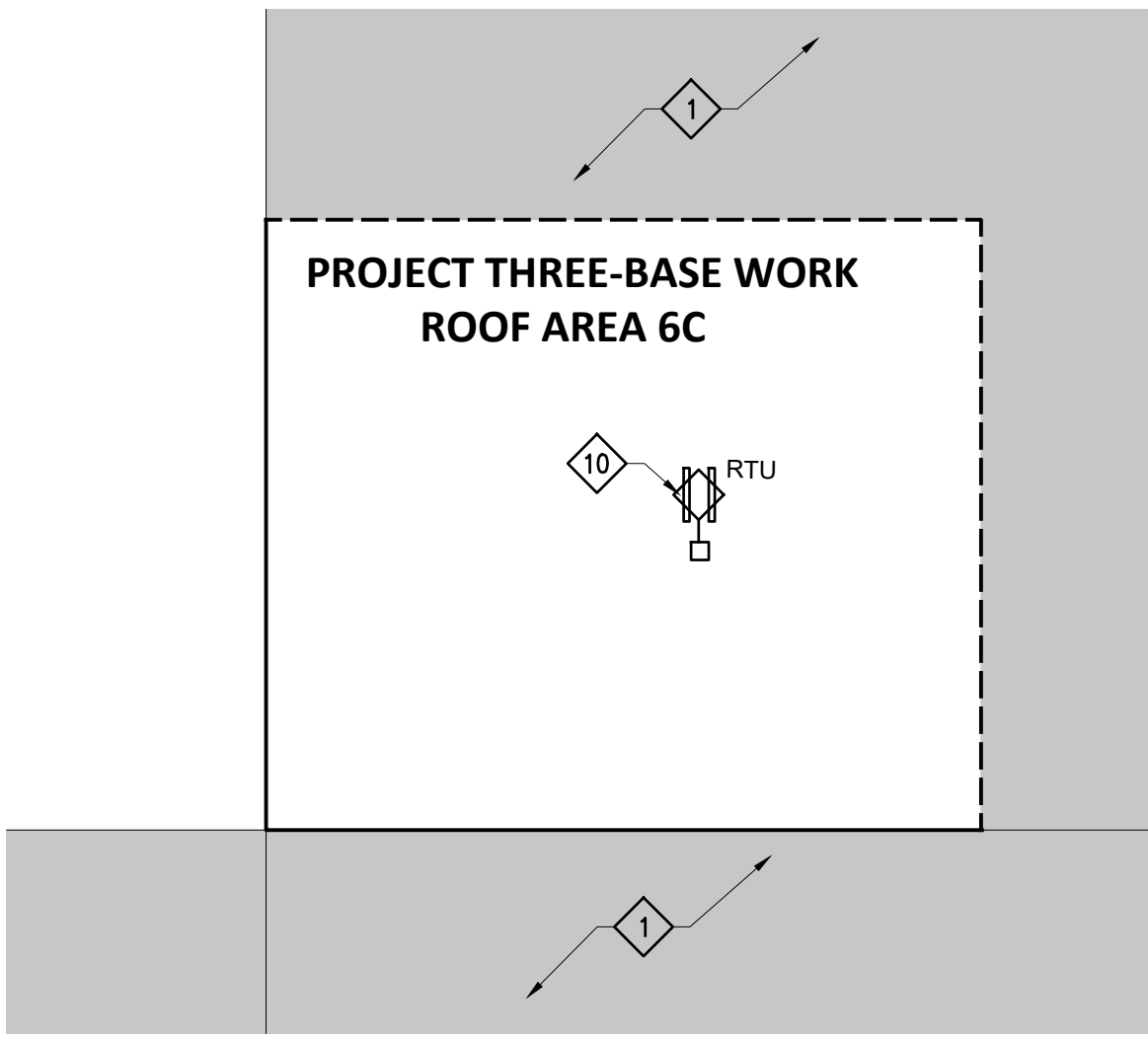
Roof Area 6C
Deck: Concrete
Vapor Retarder: NA
Insulation: Tapered Polyisocyanurate
Membrane: 2-PLY Modified Bitumen
Flashings: Modified Bitumen
Surfacing: NA

NOTE:
CONTRACTOR IS TO ASSUME THAT ROOF AREAS MAY CONTAIN CONDUIT ON TOP OF THE CONCRETE DECK.

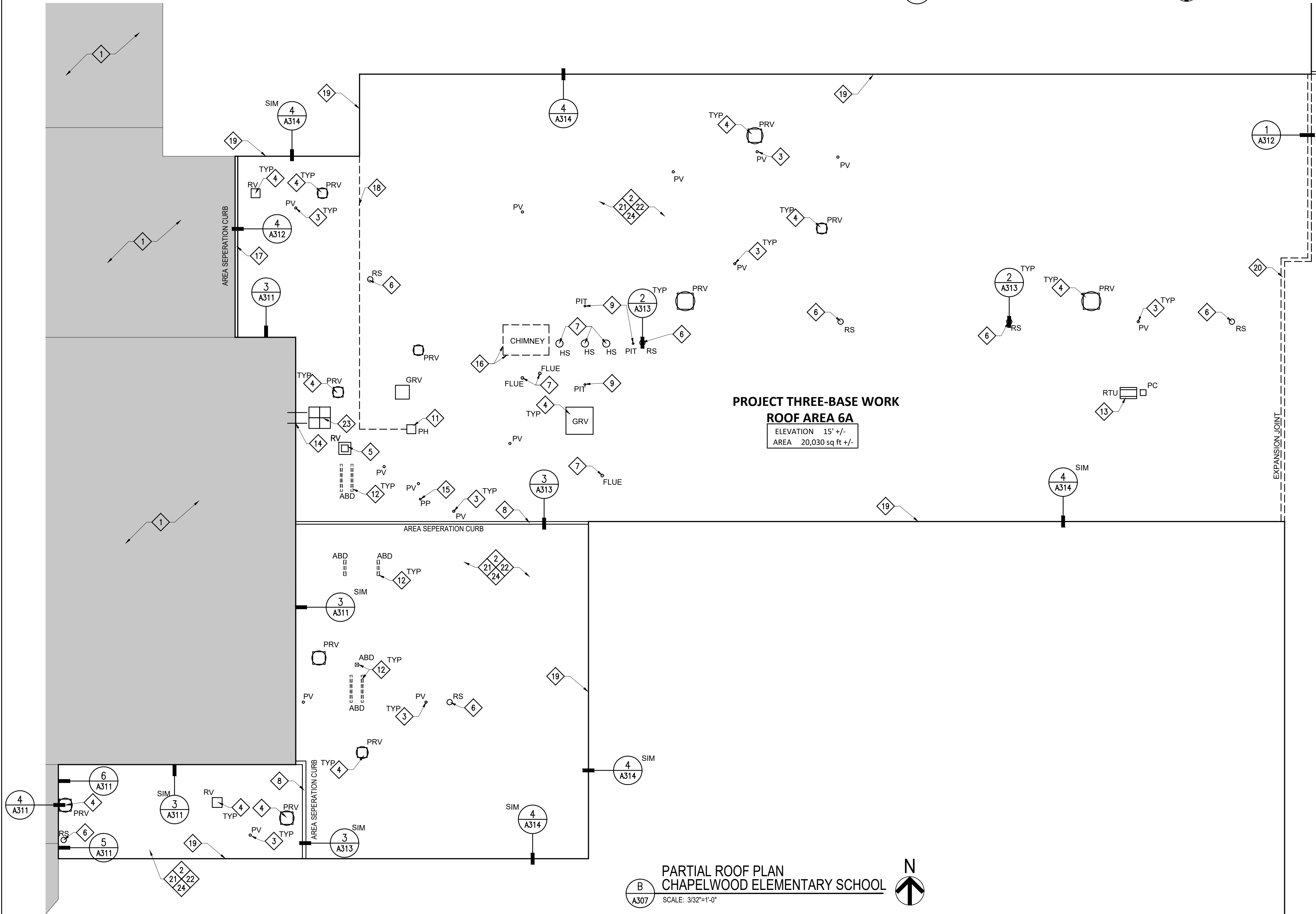
NOTE:
CONCRETE DECK MAY HAVE DEFLECTION THAT COULD EFFECT DRAINAGE. CONTRACTOR IS TO VERIFY THAT EXISTING CONCRETE DECK IS LEVEL. IF ANY DEFLECTION IS FOUND THAT MAY EFFECT DRAINAGE, CONTRACTOR IS TO FILL IN THOSE AREAS TO PROVIDE A LEVEL SURFACE PRIOR TO INSTALLING NEW INSULATION.

GENERAL ROOF PLAN NOTES:

- A. ROOFING CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING DIMENSIONS, CONDITIONS AND DETAILS THAT MAY AFFECT THIS WORK.
- B. ROOFING CONTRACTOR IS TO INSPECT EXISTING CONCRETE DECK FOR ANY DAMAGE AND/OR DETERIORATION. ROOFING CONTRACTOR IS TO DOCUMENT, REPORT AND CORRECT ANY UNSATISFACTORY CONDITIONS PRIOR TO INSTALLING NEW ROOF SYSTEM.
- C. ROOFING CONTRACTOR IS TO VERIFY THAT ALL EXISTING PLUMBING VENTS TO REMAIN WILL ACCOMMODATE A MINIMUM 8" FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO ADJUST AND EXTEND ANY THAT WOULD FAIL TO MEET THE 8" MINIMUM FLASHING HEIGHT.
- D. ROOF CONTRACTOR IS TO VERIFY THAT ALL EXISTING ROOF TOP EQUIPMENT THAT IS TO REMAIN WILL ACCOMMODATE A MINIMUM 12" BASE FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO RAISE ANY OR ALL UNITS THAT FAIL TO MEET THE 12" MINIMUM FLASHING HEIGHT. EXTEND ANY/OR ALL EXISTING DUCTWORK AND WIRING TO ACCOMMODATE NEW HEIGHT OF UNIT - DON'T STRETCH EXISTING WIRING TO ACCOMMODATE NEW HEIGHT.
- E. ROOFING CONTRACTOR IS TO INSPECT ALL EXISTING ROOF DRAINS FOR DAMAGE OR MISSING COMPONENTS AND REPLACE WITH NEW IF ANY COMPONENTS ARE DAMAGED OR MISSING. ALL EXISTING PLASTIC AND MISSING ROOF SUMP STRAINERS (IF ANY) ARE TO BE REMOVED AND REPLACED WITH NEW CAST IRON STRAINERS.
- F. UPON COMPLETION OF ROOF WORK CONTRACTOR IS TO WATER TEST ALL ROOF SUMPS AND RETROFIT DRAINS TO ENSURE THEY ARE OPEN AND DRAIN PROPERLY.



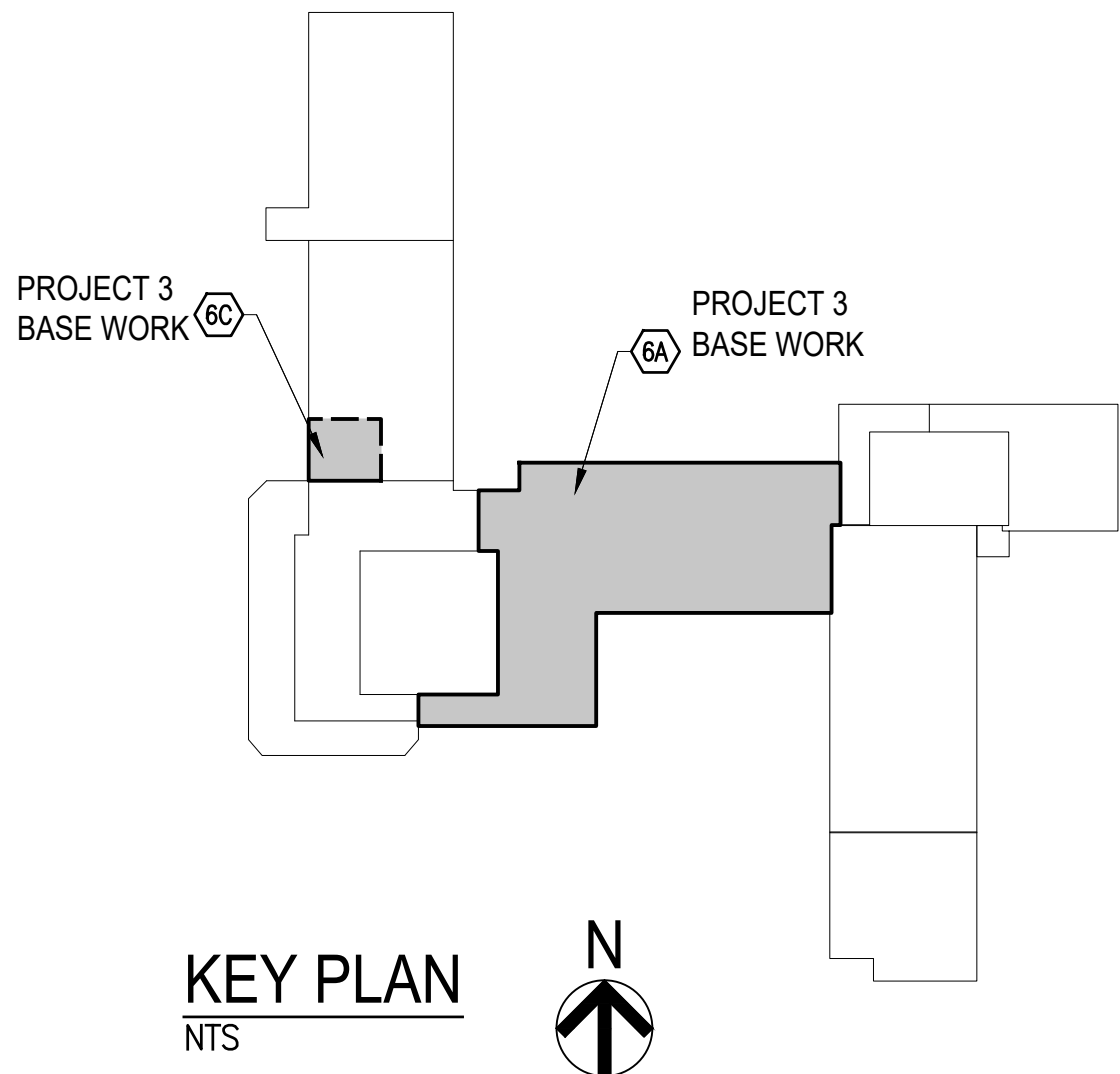
PARTIAL ROOF PLAN
CHAPELWOOD ELEMENTARY SCHOOL
SCALE: 3/32"=1'-0"



ROOF PLAN SCOPE OF WORK:

PROJECT THREE BASE WORK- ROOF AREA 6A AND 6C

- NO WORK OR MATERIAL STORAGE IN THIS AREA
- REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING AND STRIPPINGS.
- REMOVE ALL EXISTING PLUMBING VENT (PV) FLASHINGS AND PROVIDE NEW LEAD FLASHINGS.
- EXG POWER ROOF VENT (PRV), ROOF VENTS (RV), AND GRAVITY ROOF VENT (GRV) TO REMAIN, SEE DETAIL 8/A314.
- EXG (1) ROOF VENT (RV) TO REMAIN. PROVIDE NEW BASE FLASHING AND LIQUID FLASHING. SEE DETAIL 1/A314.
- EXG (7) ROOF SUMPS (RS) TO REMAIN. RESET EXG CLAMPING RINGS AND STRAINERS IN NEW LEAD FLASHING.
- EXG FLUES AND (3) HOT STACK (HS) TO REMAIN. REMOVE EXISTING FLASHING AND RAIN COLLAR AND PROVIDE NEW. SEE DETAIL 2/A314.
- PROVIDE NEW WOOD BLOCKING AREA SEPARATION CURB.
- EXISTING GUY WIRES TO REMAIN. REMOVE EXG PITCH POCKETS (PIT) AND PROVIDE NEW. SEE DETAIL 6/A314.
- DISCONNECT EXISTING ROOF TOP UNIT (RTU) AND ALL ASSOCIATED PIPES AND WIRES. REMOVE ROOF TOP UNIT, SUPPORT RAILS, AND PENETRATION CURB AND PATCH DECK. SEE DETAIL 4/A313. PROVIDE NEW INSULATION TO MATCH EXISTING THICKNESS AND NEW COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE. NEW MEMBRANE TO EXTEND ONTO EXISTING MEMBRANE MINIMUM 12 INCHES.
- REMOVE EXG PENETRATION HOUSING (PH) AND PROVIDE NEW VAULT PENETRATION HOUSING. ADJUST EXG PVC CONDUIT FOR NEW HEIGHT.
- REMOVE EXISTING ABANDONED (ABD) CURBS AND PATCH DECK. SEE DETAIL 4/A313.
- DISCONNECT EXISTING ROOF TOP UNIT (RTU) AND ALL ASSOCIATED PIPES AND WIRES. REMOVE ROOF TOP UNIT, SUPPORT RAILS, AND PENETRATION CURB AND PATCH DECK. SEE DETAIL 4/A313.
- EXISTING LADDER TO REMAIN.
- EXG PIPE PENETRATION (PP) TO REMAIN. PROVIDE NEW LIQUID FLASHING. SEE DETAIL 5/A313.
- REMOVE EXISTING CHIMNEY. CAP OFF EXISTING VENT AND PATCH DECK. SEE DETAIL 4/A313.
- EXISTING WOOD BLOCKING AREA SEPARATION CURB TO REMAIN. REMOVE EXISTING METAL CAP FOR INSTALLATION OF NEW ROOF SYSTEM AND REATTACH.
- EXISTING PVC CONDUIT TO REMAIN. ADJUST LENGTH AND HEIGHT TO ACCOMMODATE NEW ROOF SYSTEM AND NEW VAULT PENETRATION HOUSING. RE-USE EXISTING PIPE SUPPORTS OR PROVIDE NEW.
- REMOVE EXISTING FASCIA AND PROVIDE NEW METAL FASCIA.
- REMOVE EXG EXPANSION JOINT AND PROVIDE NEW WOOD BLOCKING EXPANSION JOINT AND EXPANSION JOINT COVER.
- PROVIDE NEW (1) LAYER 1" ADHESIVELY ADHERED RIGID INSULATION, (1) LAYER ADHESIVELY ADHERED ½" TAPERED RIGID INSULATION (0.5" STARTING THICKNESS), (1) LAYER ¾" ADHESIVELY ADHERED RECOVERY BOARD INSULATION AND COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW MODIFIED BITUMEN FLASHINGS AND STRIPPINGS.
- PROVIDE NEW INTERLOCKING RUBBER WALKWAY PADS AS INDICATED ON DRAWINGS.
- PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.



PROJECT THREE - ROOFING
CHAPELWOOD ELEMENTARY SCHOOL
1129 N GIRLS SCHOOL ROAD
INDIANAPOLIS, IN 46214



Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

PROJECT TITLE:
WE ARE WAYNE!
GREAT SCHOOLS • GREAT COMMUNITY

2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its heirs, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL

PROJECT NUMBER: 200220			
DESCRIPTION:	DRAWN BY:	DATE ISSUED:	
1		00/00/00	
2		00/00/00	
3		00/00/00	
4		00/00/00	
DATE ISSUED: 01/15/21	DRAWN BY: VD	CHECKED BY: AC	

CHAPELWOOD
ELEMENTARY
PARTIAL ROOF PLAN

SHEET NUMBER:
A307



Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

PROJECT TITLE:
WE ARE WAYNE!
GREAT SCHOOLS • GREAT COMMUNITY

2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its heirs, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL

PROJECT NUMBER:
200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED: 01/15/21	DRAWN BY: VD	CHECKED BY: AC
--------------------------	-----------------	-------------------

DRAWING TITLE:
**CHAPELWOOD
ELEMENTARY
PARTIAL ROOF PLAN**

SHEET NUMBER:
A308

ROOF PLAN SCOPE OF WORK:

PROJECT THREE BASE WORK- ROOF AREAS 2, 3, 4A & 4B

- NO WORK OR MATERIAL STORAGE IN THIS AREA
- REMOVE EXISTING (EXG) ROOF SYSTEMS - INCLUDING ALL ASSOCIATED INSULATIONS, FLASHING AND STRIPPINGS.
- REMOVE ALL EXISTING PLUMBING VENT (PV) FLASHINGS AND PROVIDE NEW LEAD FLASHINGS.
- EXG POWER ROOF VENTS (PRV), GRAVITY ROOF VENTS (GRV) TO REMAIN. SEE DETAIL 8/A314.
- EXG (9) ROOF SUMPS (RS) TO REMAIN. RESET EXG CLAMPING RINGS AND STRAINERS IN NEW LEAD FLASHING.
- REMOVE EXG FASCIA AND FASCIA EXTENDER AND PROVIDE NEW METAL FASCIA AND FASCIA EXTENDER.
- EXISTING LADDER TO REMAIN. PROVIDE NEW LIQUID FLASHING AT PENETRATION POINTS. SEE DETAIL 5/A313.
- PROVIDE NEW ALUMINUM MAN LADDER. SEE DETAIL 3/A314.
- REMOVE EXG EXPANSION JOINT AND PROVIDE NEW WOOD BLOCKING EXPANSION JOINT AND EXPANSION JOINT COVER.
- EXG ROOF SUMP TO REMAIN. RESET EXG CLAMP AND STRAINER IN NEW LEAD FLASHING. PROVIDE NEW 2" WATER DAM.
- REMOVE EXISTING FASCIA AND PROVIDE METAL NEW FASCIA.
- EXG SKYLIGHT TO REMAIN. SEE DETAIL 8/A314.
- PROVIDE NEW MORTAR AND REGLET RECEIVER. PACK NEW MORTAR IN THIN, TIGHT LAYERS UNTIL JOINT IS FULL AND NEW MORTAR IS FLUSH WITH BRICK FACE. TOOL NEW MORTAR JOINT TO MATCH EXISTING.
- EXG DRAIN TUBE TO REMAIN. PROVIDE NEW RETROFIT DRAIN. SEE DETAIL 1/A313.
- PROVIDE NEW WOOD BLOCKING EXPANSION JOINT AND EXPANSION JOINT COVER.
- PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED 3/12 TAPERED RIGID INSULATION (0.5" STARTING THICKNESS), (1) LAYER 3/8" ADHESIVELY ADHERED RECOVER BOARD INSULATION AND COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW (1) LAYER 1.5" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED 3/12 TAPERED RIGID INSULATION (0.5" STARTING THICKNESS), (1) LAYER 3/8" ADHESIVELY ADHERED RECOVER BOARD INSULATION AND COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW MODIFIED BITUMEN FLASHINGS AND STRIPPINGS.
- PROVIDE NEW INTERLOCKING RUBBER WALKWAY PADS AS INDICATED ON DRAWINGS.
- PROVIDE NEW (2 YR) CONTRACTOR'S WARRANTY AND (20 YR) MANUFACTURERS STANDARD NDL WARRANTY.

EXISTING ROOF SYSTEM LEGEND:

Roof Area 2, 3, 4A

Deck: Metal
Vapor Retarder: NA
Insulation: 1/2" Wood Fiber over Tapered Polyisocyanurate
Membrane: Fully Adhered EPDM
Flashings: EPDM
Surfacing: NA

Roof Area 4B

Deck: Metal
Vapor Retarder: NA
Insulation: 3/2" Wood Fiber over Extruded Polystyrene over 1/2" Gypsum Board
Membrane: Fully Adhered EPDM
Flashings: EPDM
Surfacing: NA

GENERAL ROOF PLAN NOTES:

- ROOFING CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING DIMENSIONS, CONDITIONS AND DETAILS THAT MAY AFFECT THIS WORK.
- ROOFING CONTRACTOR IS TO INSPECT EXISTING METAL DECK FOR ANY DAMAGE AND/OR DETERIORATION. ROOFING CONTRACTOR IS TO DOCUMENT, REPORT AND CORRECT ANY UNSATISFACTORY CONDITIONS PRIOR TO INSTALLING NEW ROOF SYSTEM.
- ROOFING CONTRACTOR IS TO VERIFY THAT ALL EXISTING PLUMBING VENTS TO REMAIN WILL ACCOMMODATE A MINIMUM 8" FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO ADJUST AND EXTEND ANY THAT WOULD FAIL TO MEET THE 8" MINIMUM FLASHING HEIGHT.
- ROOF CONTRACTOR IS TO VERIFY THAT ALL EXISTING ROOF TOP EQUIPMENT THAT IS TO REMAIN WILL ACCOMMODATE A MINIMUM 12" BASE FLASHING HEIGHT ABOVE THE NEW ROOF SYSTEM. ROOFING CONTRACTOR IS TO RAISE ANY OR ALL UNITS THAT FAIL TO MEET THE 12" MINIMUM FLASHING HEIGHT. EXTEND ANY/OR ALL EXISTING DUCTWORK AND WIRING TO ACCOMMODATE NEW HEIGHT OF UNIT - DON'T STRETCH EXISTING WIRING TO ACCOMMODATE NEW HEIGHT.
- ROOFING CONTRACTOR IS TO INSPECT ALL EXISTING ROOF DRAINS FOR DAMAGE OR MISSING COMPONENTS AND REPLACE WITH NEW IF ANY COMPONENTS ARE DAMAGED OR MISSING. ALL EXISTING PLASTIC OR MISSING ROOF SUMP STRAINERS (IF ANY) ARE TO BE REMOVED AND REPLACED WITH NEW CAST IRON STRAINERS.
- UPON COMPLETION OF ROOF WORK CONTRACTOR IS TO WATER TEST ALL ROOF SUMPS AND RETROFIT DRAINS TO ENSURE THEY ARE OPEN AND DRAIN PROPERLY.

NOTE:
CONTRACTOR IS TO ASSUME THAT ROOF AREAS MAY CONTAIN CONDUIT ON TOP OF THE CONCRETE DECK.

NOTE:
CONCRETE DECK MAY HAVE DEFLECTION THAT COULD EFFECT DRAINAGE. CONTRACTOR IS TO VERIFY THAT EXISTING CONCRETE DECK IS LEVEL. IF ANY DEFLECTION IS FOUND THAT MAY EFFECT DRAINAGE, CONTRACTOR IS TO FILL IN THOSE AREAS TO PROVIDE A LEVEL SURFACE PRIOR TO INSTALLING NEW INSULATION.

PARTIAL ROOF PLAN
CHAPELWOOD ELEMENTARY SCHOOL
SCALE: 3/32"=1'-0"



PROJECT THREE-BASE WORK ROOF AREA 4B

ELEVATION 15' +/-
AREA 1,080 sq ft +/-

PROJECT 3-BASE WORK ROOF AREA 3

ELEVATION 25' +/-
AREA 4,040 sq ft +/-

PROJECT 3-BASE WORK ROOF AREA 2

ELEVATION 10' +/-
AREA 300 sq ft +/-

PROJECT 3-BASE WORK ROOF AREA 4A

ELEVATION 15' +/-
AREA 14,580 sq ft +/-

KEY PLAN
NTS



PROJECT THREE - ROOFING
CHAPELWOOD ELEMENTARY SCHOOL
1129 N GIRLS SCHOOL ROAD
INDIANAPOLIS, IN 46214



Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its terms, and conditions, modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC

DRAWING TITLE:
CHAPELWOOD ELEMENTARY
PARTIAL TAPER PLAN

SHEET NUMBER:

A309

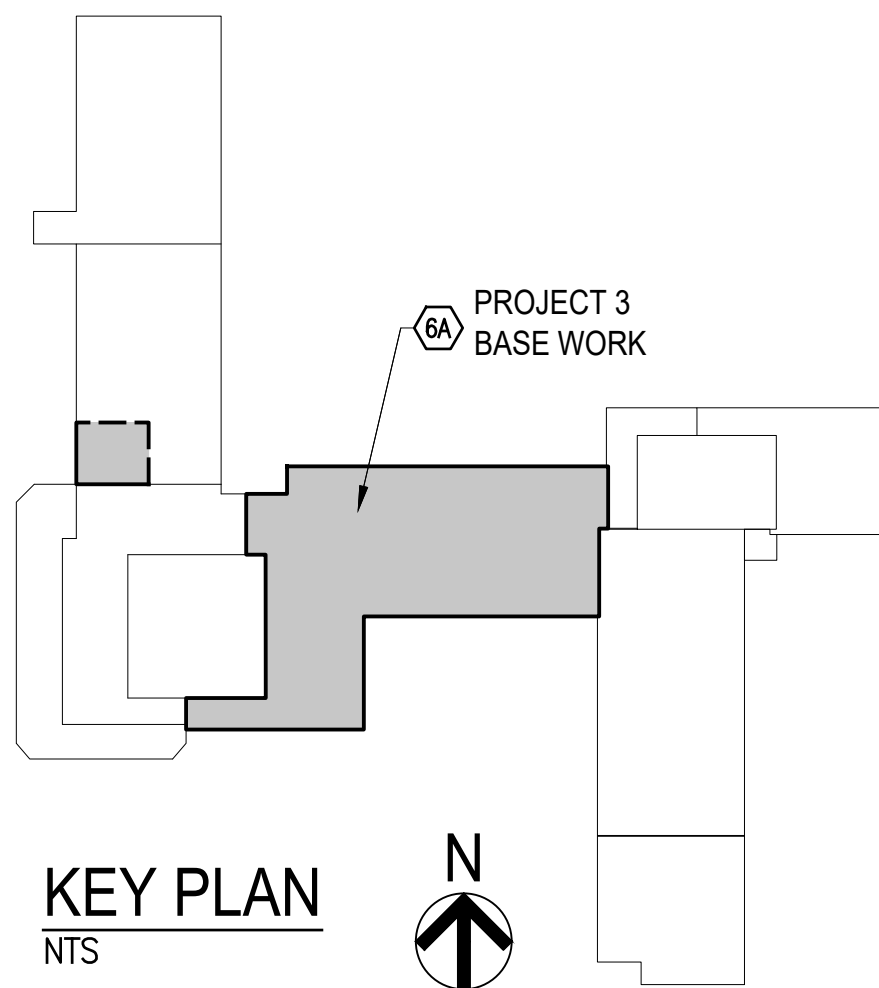
TAPER INSULATION ROOF PLAN - SCOPE OF WORK:

- 1 REMOVE ALL EXISTING IN-PLACE ROOFING MATERIALS INCLUDING BUT NOT LIMITED TO EXISTING EPDM ROOF MEMBRANE, ALL EXISTING INSULATION, FLASHING AND STRIPPINGS.
- 2 AFTER EXISTING ROOF SYSTEM IS REMOVED, ROOFING CONTRACTOR IS TO VERIFY THAT EXISTING DECK IS LEVEL. IF ANY DEFLECTION IS FOUND THAT WILL AFFECT DRAINAGE, THE ROOFING CONTRACTOR IS TO FILL THOSE AREAS IN ORDER TO PROVIDE A LEVEL SURFACE PRIOR TO INSTALLING ANY NEW ROOF INSULATION.
- 3 PROVIDE NEW (1) LAYER 1" ADHESIVELY ADHERED RIGID INSULATION, (1) LAYER ADHESIVELY ADHERED $\frac{1}{8}$:12 TAPERED RIGID INSULATION (0.5" STARTING THICKNESS), (1) LAYER $\frac{1}{2}$ " ADHESIVELY ADHERED RECOVER BOARD INSULATION AND COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- 4 PROVIDE NEW 1/4:12 MECHANICALLY ATTACHED TAPERED INSULATION SADDLE.
- 5 PROVIDE NEW TAPERED EDGE STRIPS AT THE BASE OF ALL SADDLES TO PROVIDE SMOOTH TRANSITION.

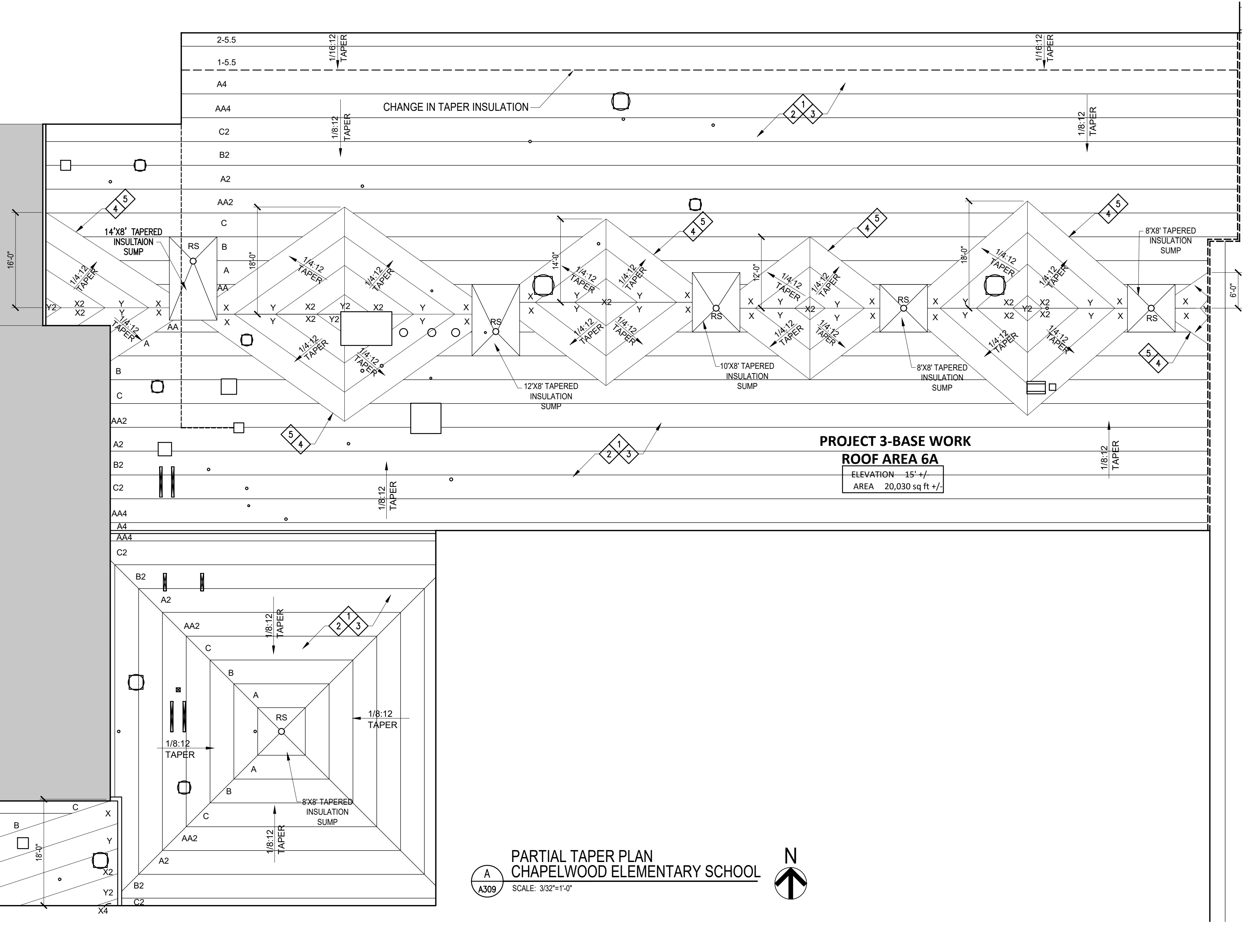
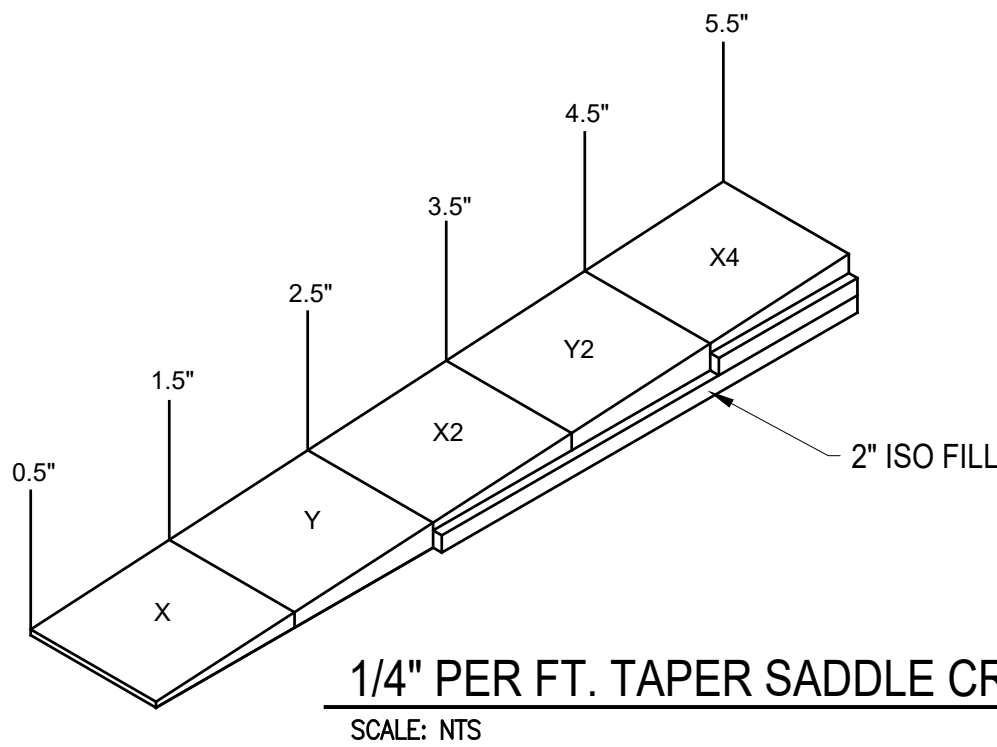
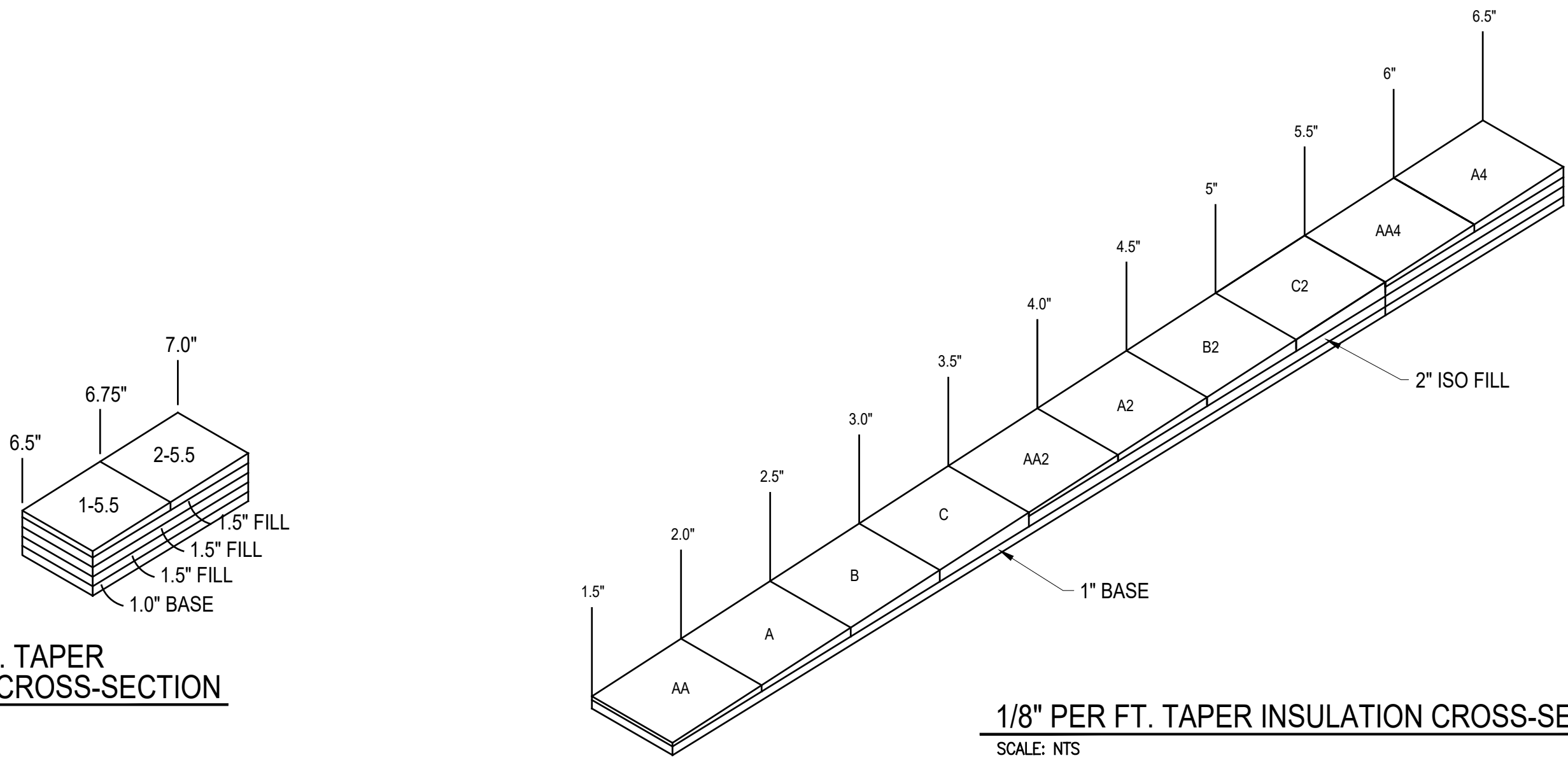
1/4:12 TAPER SADDLE PANEL SCHEDULE				
X	TAPERED	0.50"-1.5"	4'x4'	1/4"/FT
Y	TAPERED	1.5"-2.5"	4'x4'	1/4"/FT
2"	FILL	2"	4'x4'	FLAT

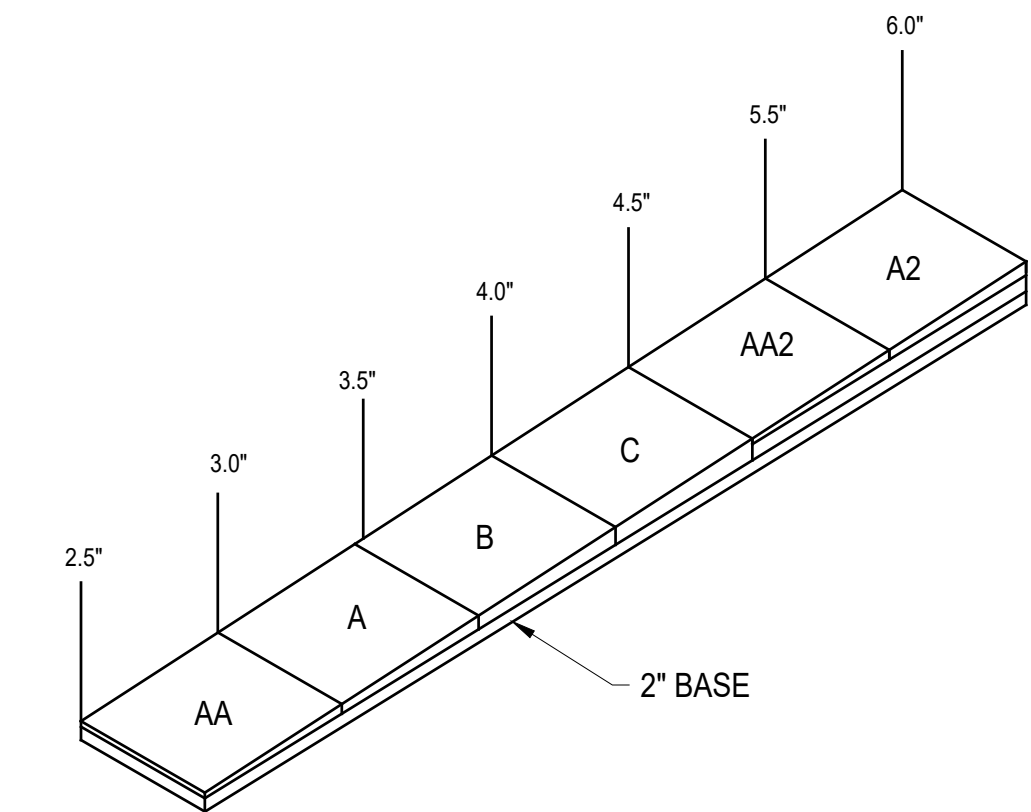
1/8:12 TAPER INSULATION PANEL SCHEDULE				
AA	TAPERED	0.5"-1.0"	4'x4'	1/8"/FT
A	TAPERED	1.0"-1.5"	4'x4'	1/8"/FT
B	TAPERED	1.5"-2.0"	4'x4'	1/8"/FT
C	TAPERED	2.0"-2.5"	4'x4'	1/8"/FT
2"	FILL	2"	4'x4'	FLAT

1/16:12 TAPER INSULATION PANEL SCHEDULE				
7	TAPERED	0.5" - 0.75"	4' x 4'	1/16" / FT
8	TAPERED	0.75" - 1.0"	4' x 4'	1/16" / FT
1	TAPERED	1.0" - 1.25"	4' x 4'	1/16" / FT
2	TAPERED	1.25" - 1.5"	4' x 4'	1/16" / FT
1"	FILL	1"	4' x 4'	FLAT
2"	FILL	2"	4' x 4'	FLAT
1.5"	BASE	1.5"	4' x 4'	FLAT

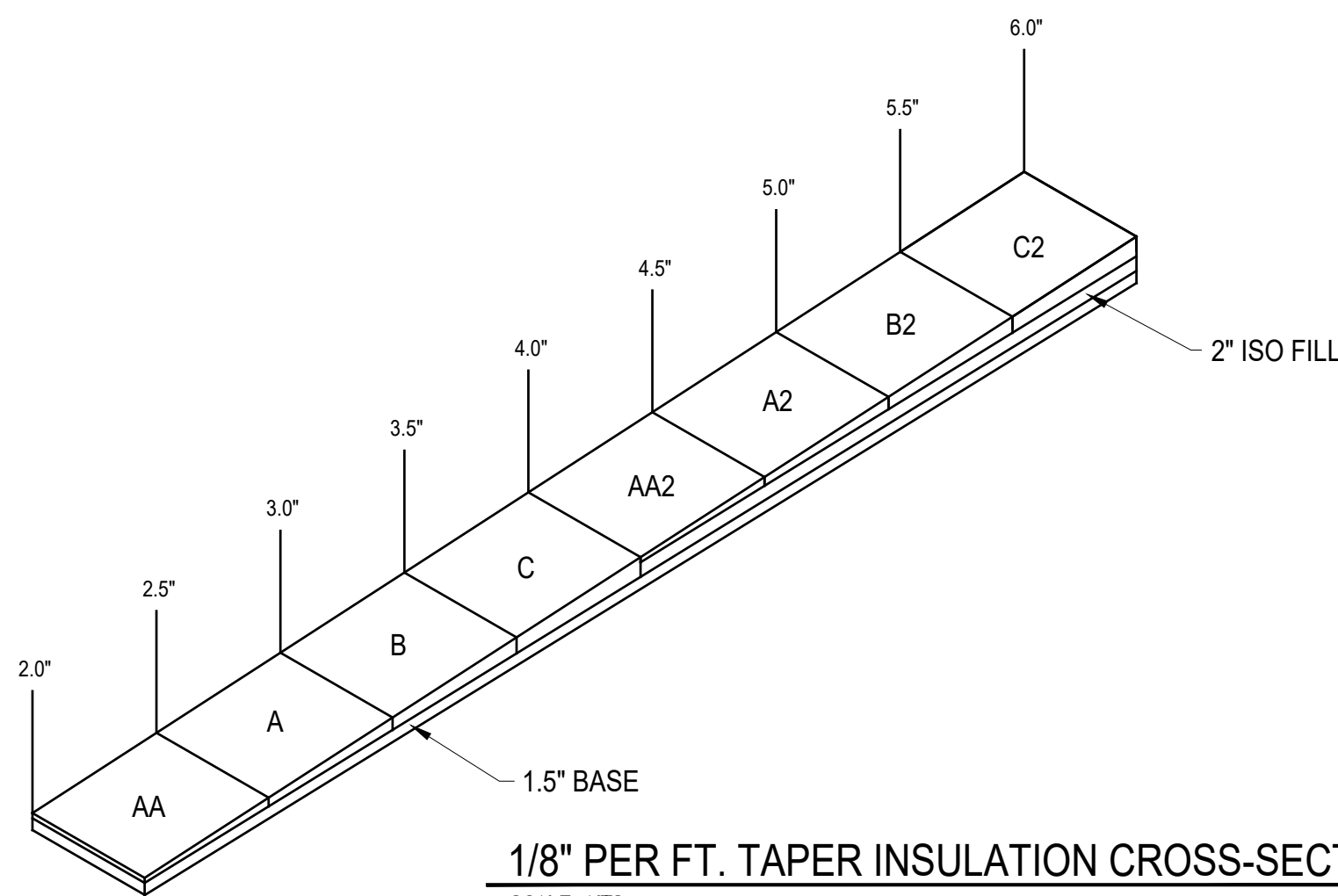


PROJECT THREE - ROOFING
CHAPELWOOD ELEMENTARY SCHOOL
1129 N GIRLS SCHOOL ROAD
INDIANAPOLIS, IN 46214

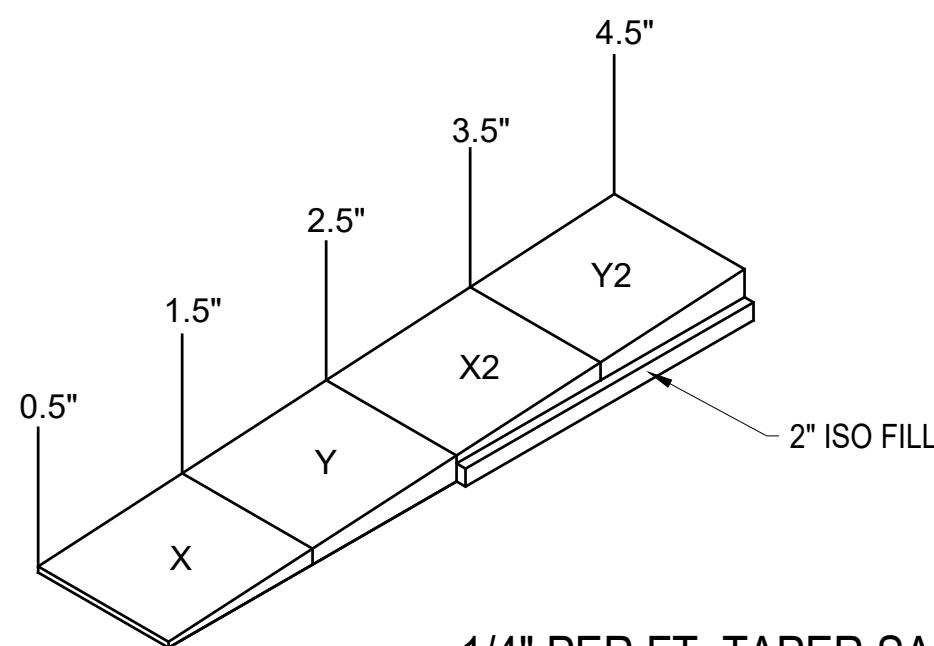




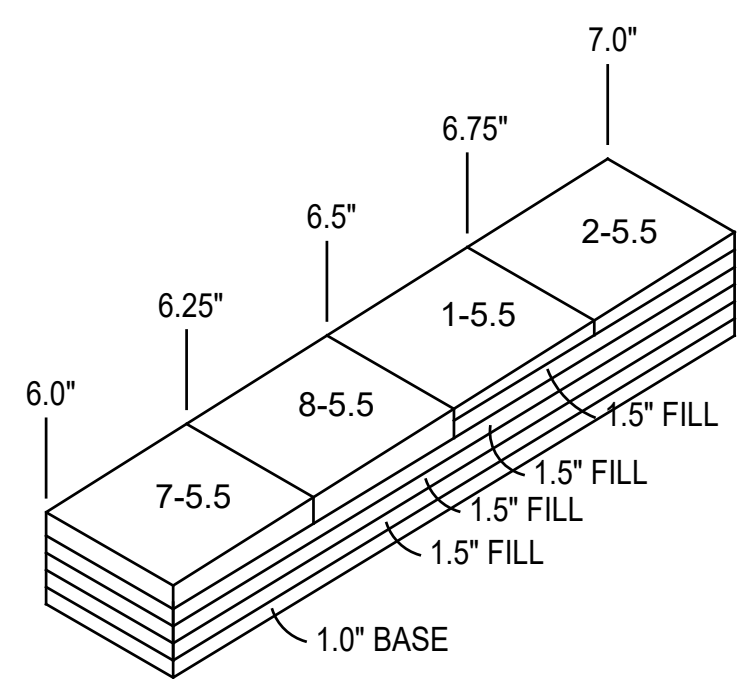
1/8" PER FT. TAPER INSULATION CROSS-SECTION
SCALE: NTS



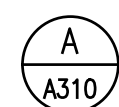
1/8" PER FT. TAPER INSULATION CROSS-SECTION
SCALE: NTS



1/4" PER FT. TAPER SADDLE CROSS-SECTION
SCALE: NTS

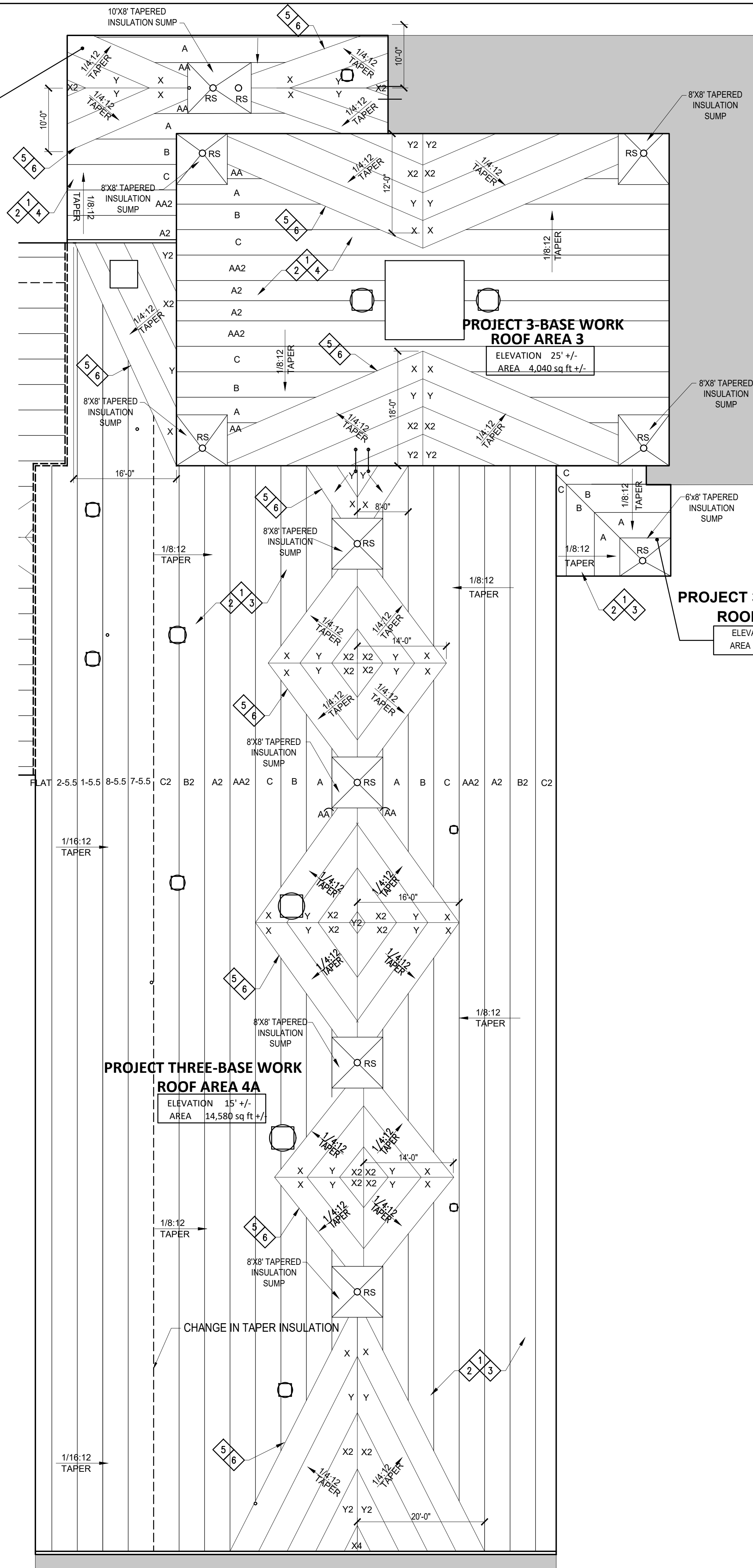


1/16" PER FT. TAPER ISO INSULATION CROSS-SECTION
SCALE: NTS



PARTIAL TAPER PLAN
CHAPELWOOD ELEMENTARY SCHOOL
SCALE: 3/32"=1'-0"

PROJECT 3-BASE WORK
ROOF AREA 4B
ELEVATION 15' +/-
AREA 1,080 sq ft +/-



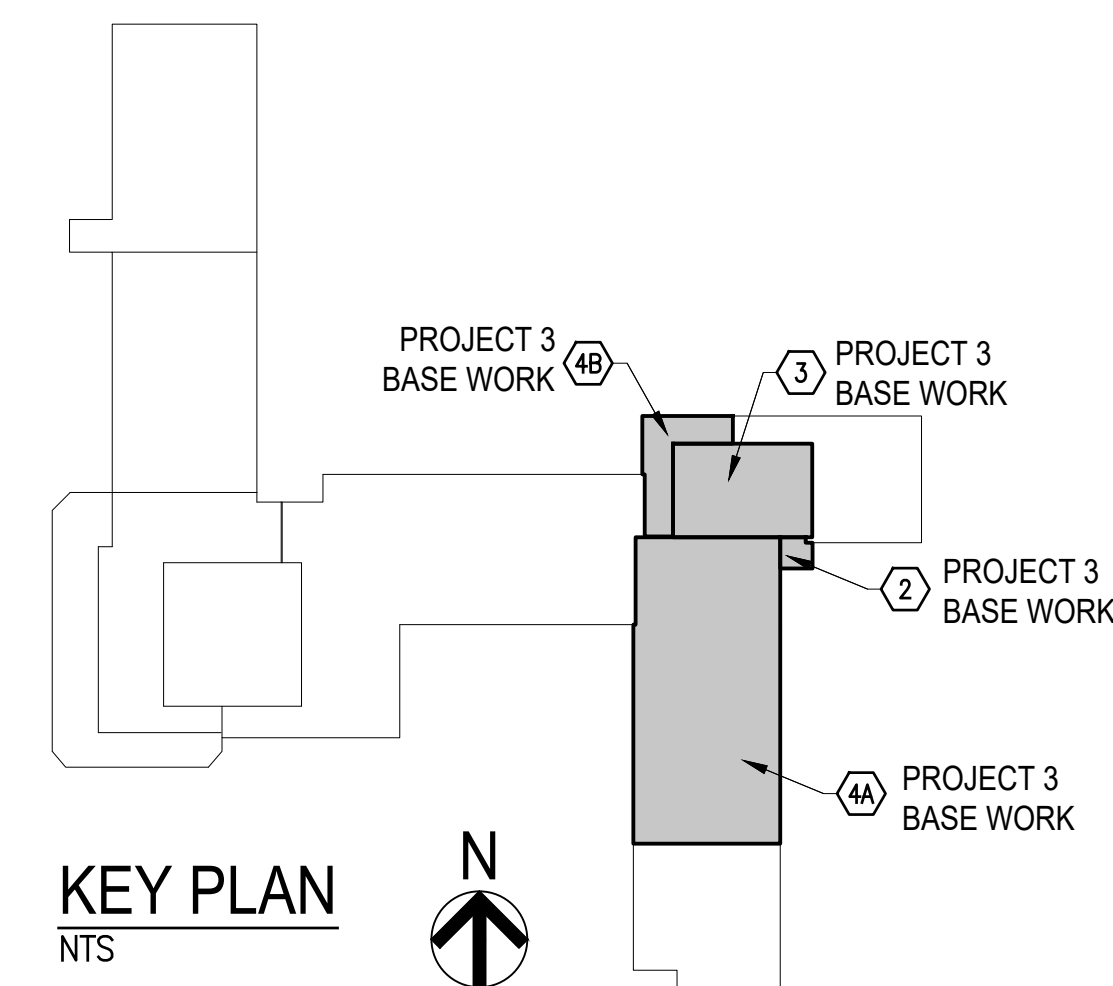
TAPER INSULATION ROOF PLAN - SCOPE OF WORK:

- REMOVE ALL EXISTING IN-PLACE ROOFING MATERIALS INCLUDING BUT NOT LIMITED TO EXISTING EPDM ROOF MEMBRANE, ALL EXISTING INSULATION, FLASHING AND STRIPPINGS.
- AFTER EXISTING ROOF SYSTEM IS REMOVED, ROOFING CONTRACTOR IS TO VERIFY THAT EXISTING DECK IS LEVEL. IF ANY DEFLECTION IS FOUND THAT WILL AFFECT DRAINAGE, THE ROOFING CONTRACTOR IS TO FILL THOSE AREAS IN ORDER TO PROVIDE A LEVEL SURFACE PRIOR TO INSTALLING ANY NEW ROOF INSULATION.
- PROVIDE NEW (1) LAYER 1.5" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED $\frac{3}{8}$:12 TAPERED RIGID INSULATION (0.5" STARTING THICKNESS), (1) LAYER $\frac{1}{2}$ " ADHESIVELY ADHERED RECOVER BOARD INSULATION AND COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW (1) LAYER 2" MECHANICALLY ATTACHED RIGID INSULATION, (1) LAYER MECHANICALLY ATTACHED $\frac{3}{8}$:12 TAPERED RIGID INSULATION (0.5" STARTING THICKNESS), (1) LAYER $\frac{1}{2}$ " ADHESIVELY ADHERED RECOVER BOARD INSULATION AND COLD APPLIED 2-PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW 1/4:12 MECHANICALLY ATTACHED TAPERED INSULATION SADDLE.
- PROVIDE NEW TAPERED EDGE STRIPS AT THE BASE OF ALL SADDLES TO PROVIDE SMOOTH TRANSITION.

1/4:12 TAPER SADDLE PANEL SCHEDULE				
X	TAPERED	0.50"-1.5"	4'x4'	1/4"/FT
Y	TAPERED	1.5"-2.5"	4'x4'	1/4"/FT
2"	FILL	2"	4'x4'	FLAT

1/8:12 TAPER INSULATION PANEL SCHEDULE				
AA	TAPERED	0.5"-1.0"	4'x4'	1/8"/FT
A	TAPERED	1.0"-1.5"	4'x4'	1/8"/FT
B	TAPERED	1.5"-2.0"	4'x4'	1/8"/FT
C	TAPERED	2.0"-2.5"	4'x4'	1/8"/FT
2"	FILL	2"	4'x4'	FLAT

1/16:12 TAPER INSULATION PANEL SCHEDULE				
7	TAPERED	0.5" - 0.75"	4' x 4'	1/16" / FT
8	TAPERED	0.75" - 1.0"	4' x 4'	1/16" / FT
1	TAPERED	1.0" - 1.25"	4' x 4'	1/16" / FT
2	TAPERED	1.25" - 1.5"	4' x 4'	1/16" / FT
1"	FILL	1"	4' x 4'	FLAT
2"	FILL	2"	4' x 4'	FLAT
1.5"	BASE	1.5"	4' x 4'	FLAT



PROJECT THREE - ROOFING
CHAPELWOOD ELEMENTARY SCHOOL
1129 N GIRLS SCHOOL ROAD
INDIANAPOLIS, IN 46214



Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

PROJECT TITLE:
WE ARE WAYNE
GREAT SCHOOLS • GREAT COMMUNITY
2021 ROOF AND ROOK RELATED WORK AT
VARIOUS LOCATIONS

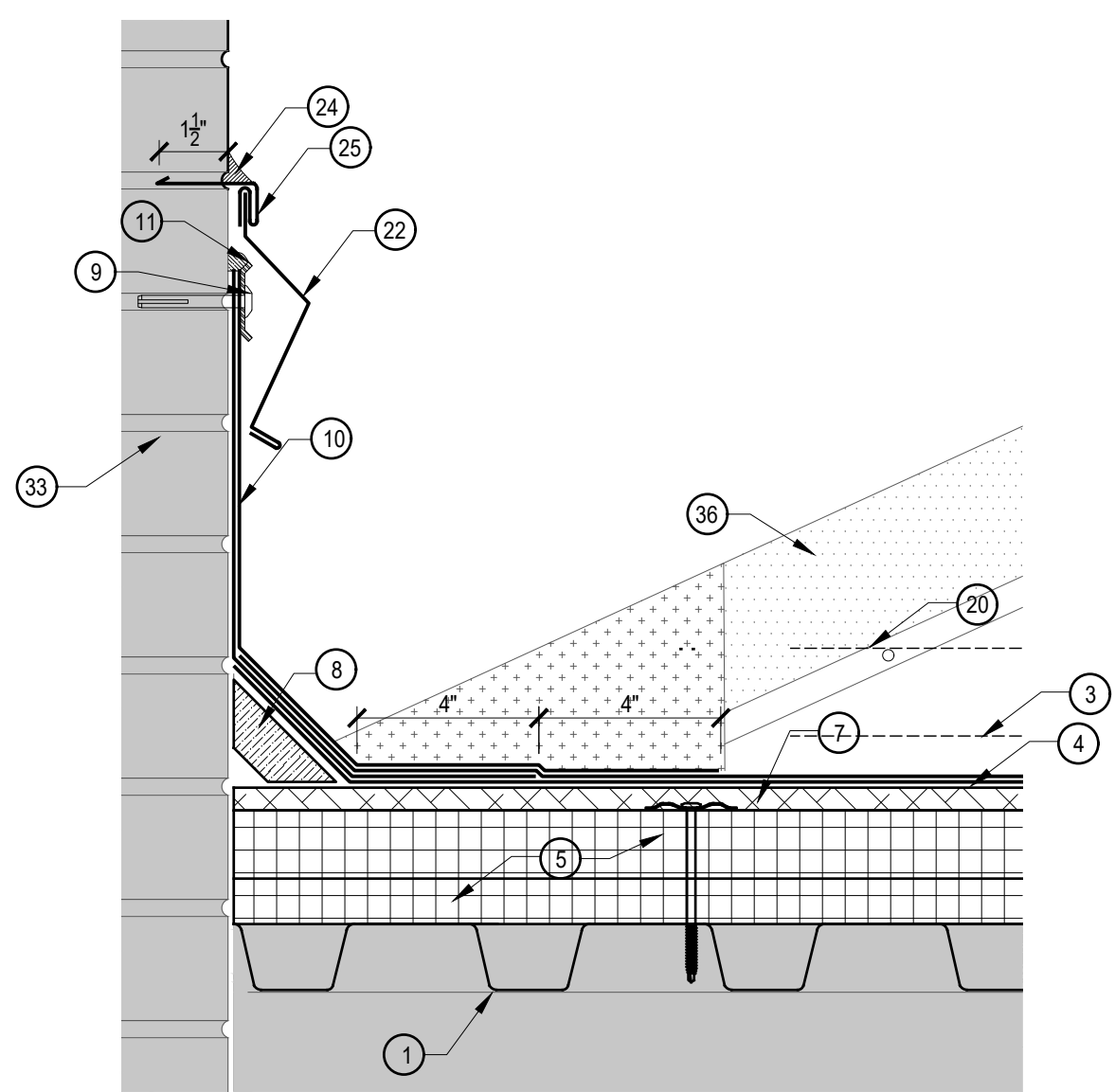
DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its heirs, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL

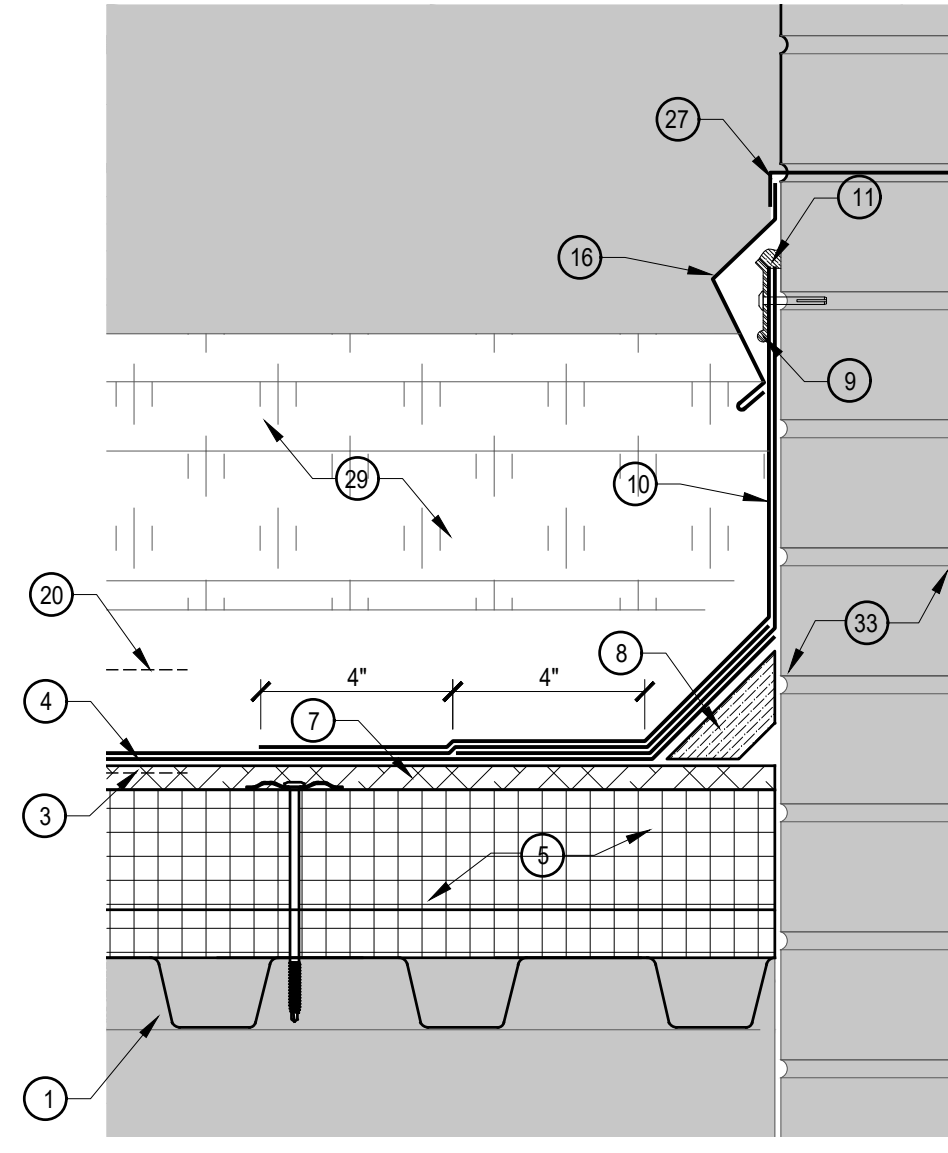
PROJECT NUMBER:			
200220			
DESCRIPTION:	DRAWN BY:	DATE ISSUED:	
1		00/00/00	
2		00/00/00	
3		00/00/00	
4		00/00/00	
DATE ISSUED:	DRAWN BY:	CHECKED BY:	
01/15/21	VD	AC	

DRAWING TITLE:
CHAPELWOOD
ELEMENTARY
PARTIAL TAPER PLAN

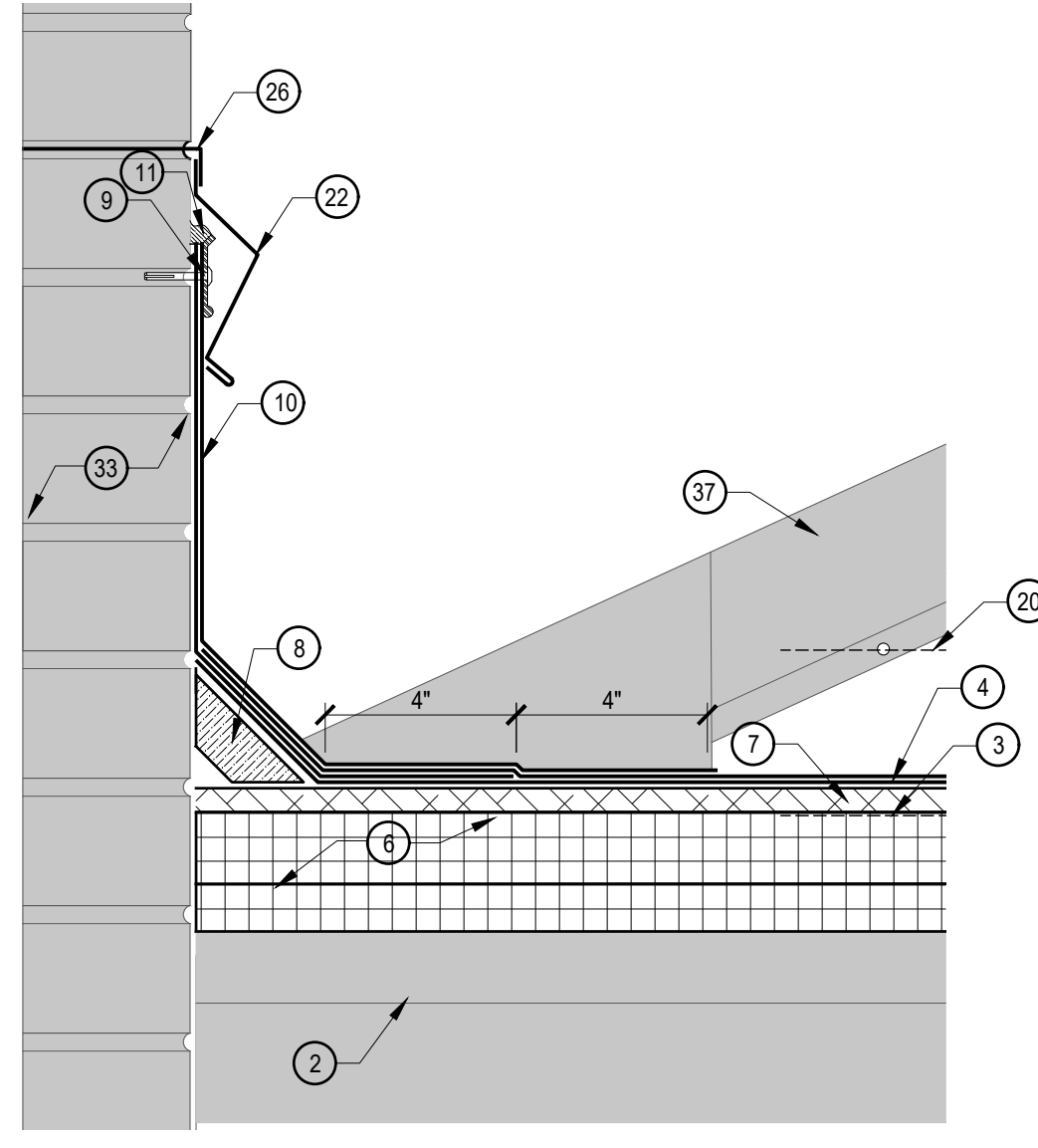
SHEET NUMBER:
A310



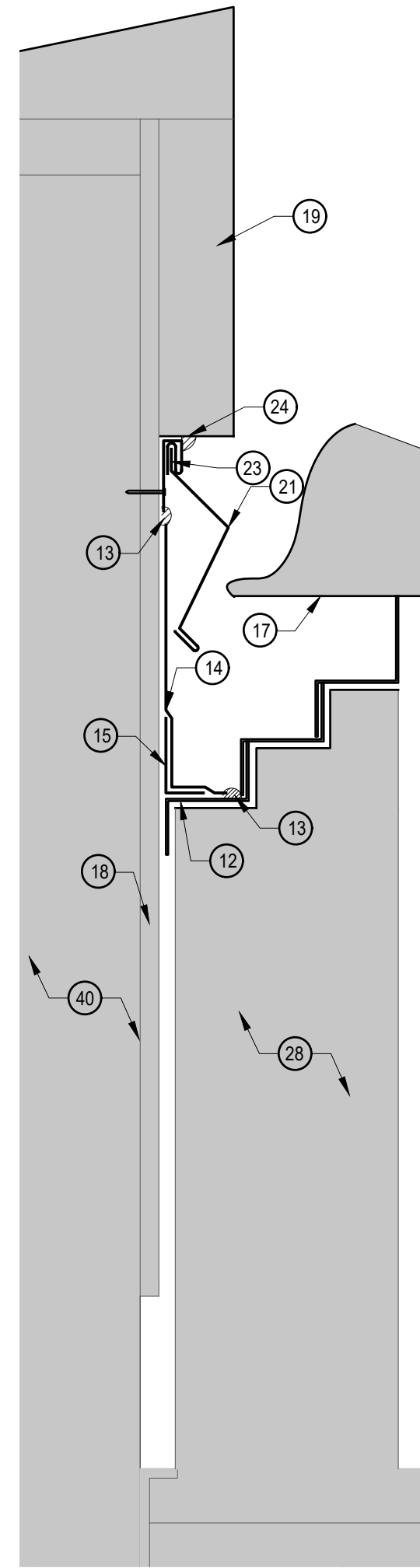
1 BASE FLASHING
A311 SCALE: 3"=1'-0"



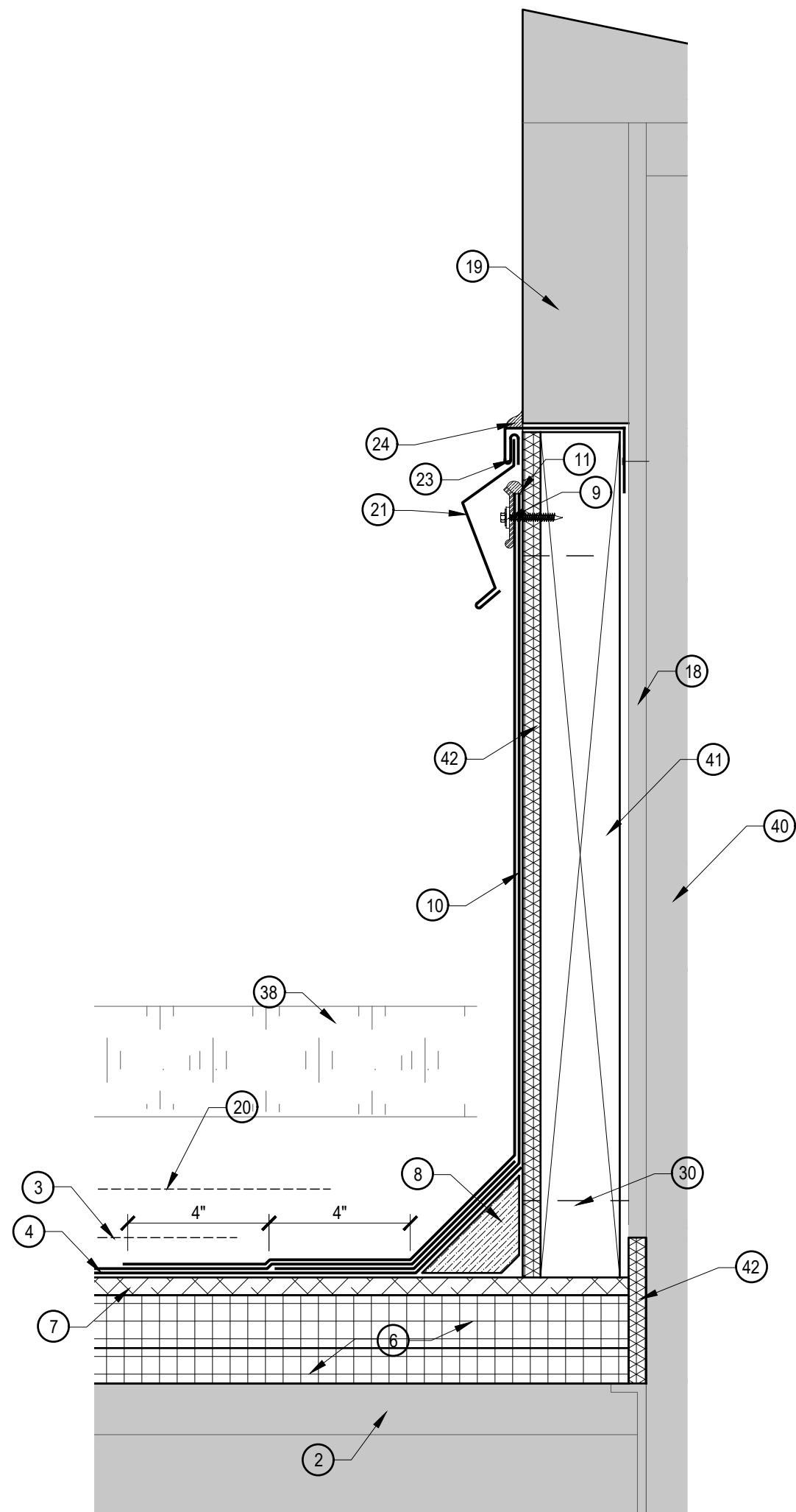
2 BASE FLASHING
A311 SCALE: 3"=1'-0"



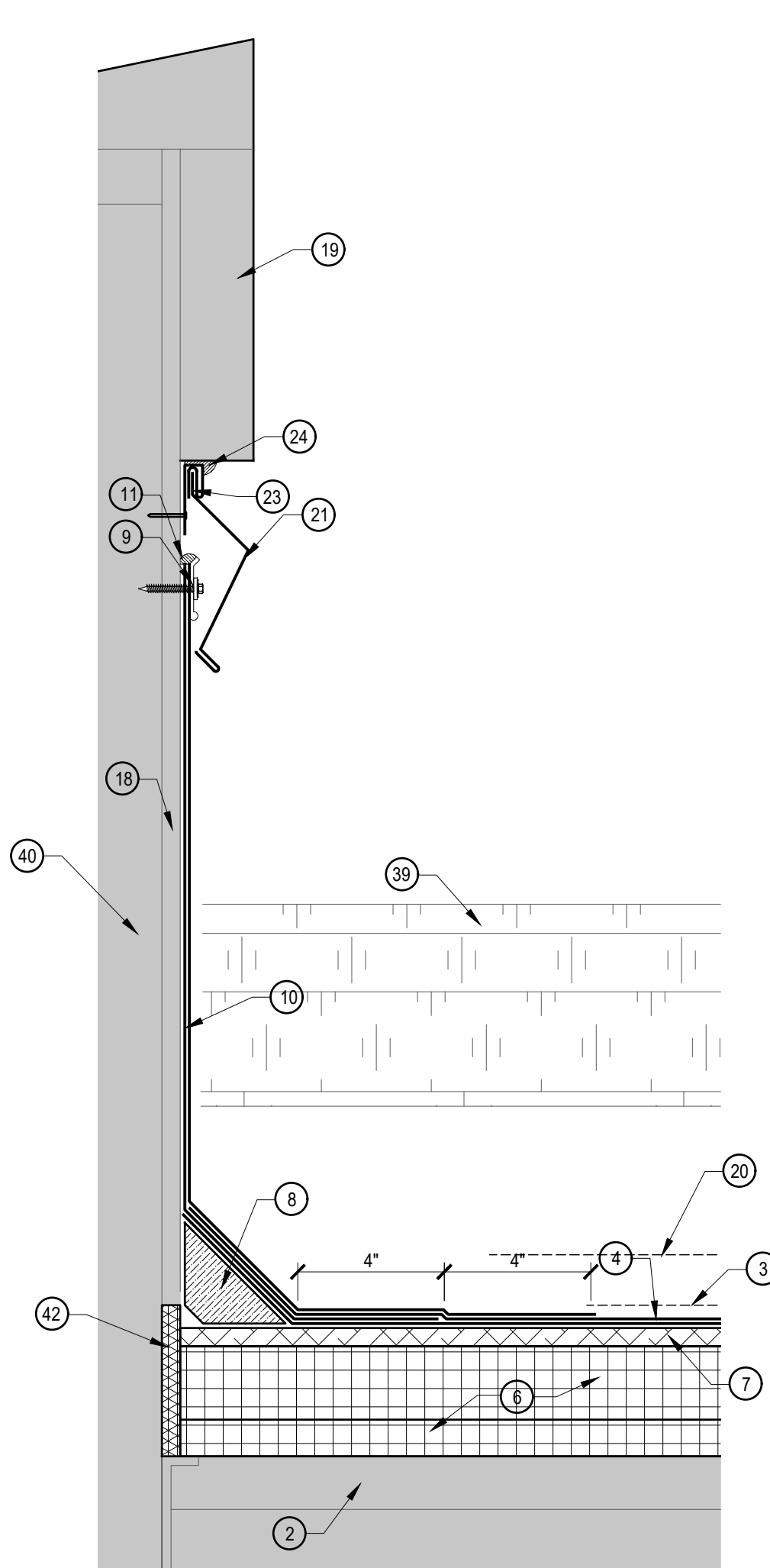
3 BASE FLASHING
A311 SCALE: 3"=1'-0"



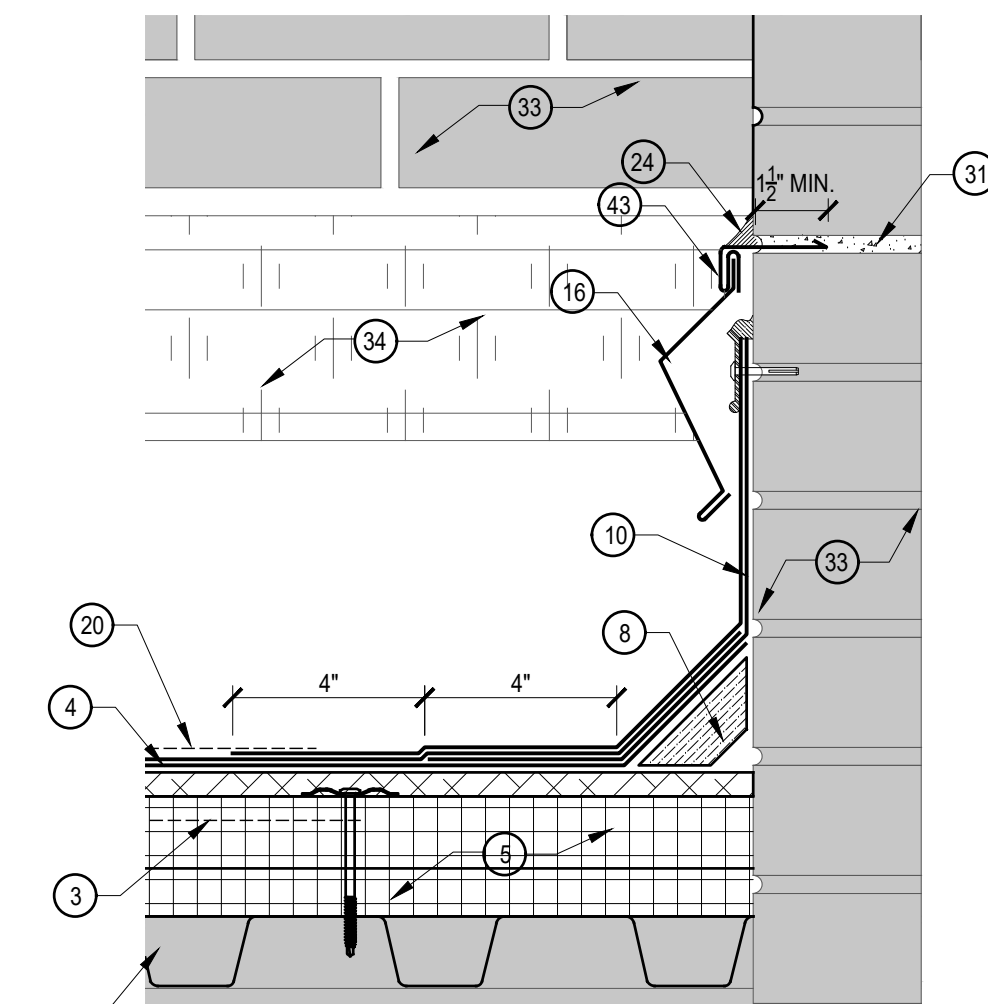
4 BASE FLASHING
A311 SCALE: 3"=1'-0"



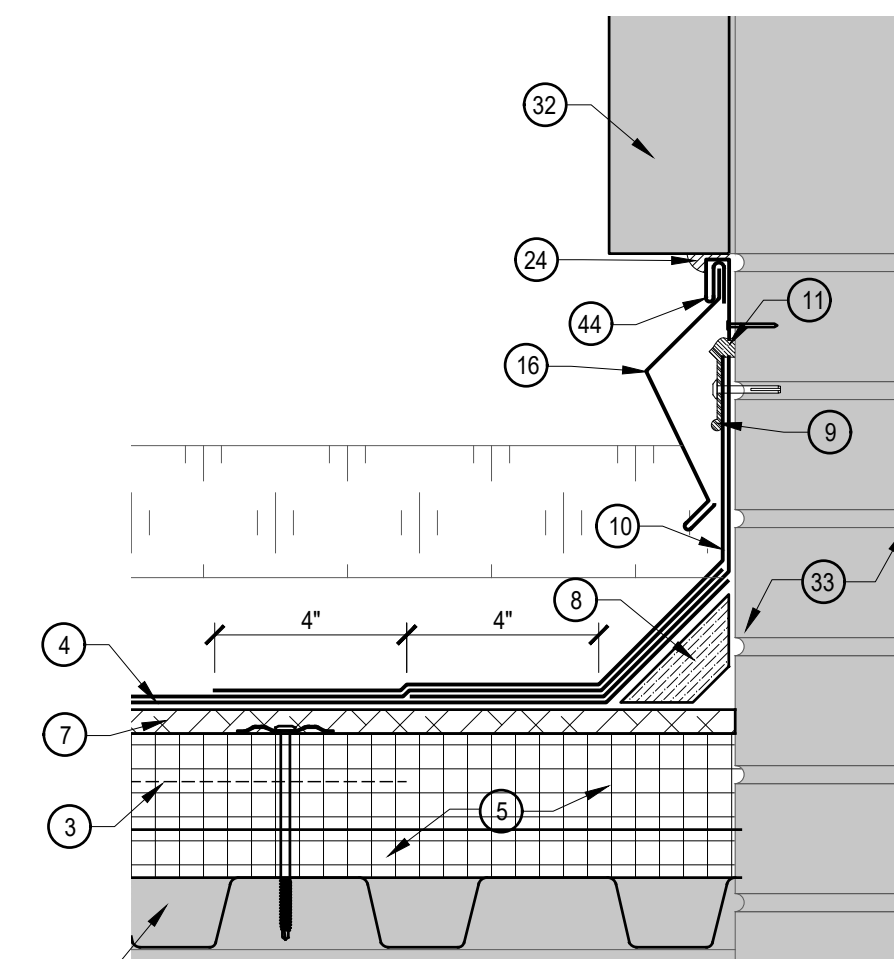
5 BASE FLASHING
A311 SCALE: 3"=1'-0"



6 BASE FLASHING
A311 SCALE: 3"=1'-0"



7 BASE FLASHING
A311 SCALE: 3"=1'-0"



8 BASE FLASHING
A311 SCALE: 3"=1'-0"

DETAIL KEY NOTES

- EXISTING METAL DECK.
- EXISTING CONCRETE DECK.
- REMOVE EXISTING ROOF SYSTEM, INSULATIONS, FLASHINGS AND STRIPPINGS.
- PROVIDE NEW 2 PLY MODIFIED BITUMEN MEMBRANE.
- PROVIDE NEW MECHANICALLY ATTACHED RIGID INSULATION BOARD.
- PROVIDE NEW ADHESIVELY ADHERED RIGID INSULATION BOARD.
- PROVIDE NEW ADHESIVELY ADHERED RECOVER BOARD INSULATION.
- PROVIDE NEW CONTINUOUS FIBER CANT STRIP SET IN BED OF ROOF CEMENT.
- PROVIDE NEW 1" SURFACE MOUNTED TERMINATION BAR, MECHANICALLY ATTACHED 12" O.C. MAX. MITER TERMINATION BAR AT ALL VERTICAL TRANSITIONS.
- CLEAN AND PRIME EXISTING SUBSTRATE. PROVIDE NEW 2 PLY MODIFIED BITUMEN BASE FLASHING.
- PROVIDE NEW CONTINUOUS BEAD OF MANUFACTURER'S MASTIC.
- CLEAN AND PRIME EXISTING CURB CAP.
- PROVIDE NEW RESIN FILL AT ALL LIQUID FLASHING TERMINATION POINTS.
- PROVIDE (1) PLY LIQUID FLASHING MEMBRANE.
- PROVIDE NEW CONTINUOUS 4" WIDE STRIP OF RESIN SATURATED FLEECE.
- PROVIDE NEW ALUMINUM COUNTER FLASHING MECHANICALLY ATTACHED 6" O.C. MAX.
- EXISTING ROOF TOP UNIT HOOD TO REMAIN.
- EXISTING PLYWOOD TO REMAIN.
- EXISTING EIFS TO REMAIN.
- HIGH POINT OF NEW TAPERED INSULATION. SEE TAPER PLAN.
- PROVIDE NEW PREFINISH GI COUNTER FLASHING MECHANICALLY ATTACHED 6" O.C. MAX.
- PROVIDE NEW COPPER COUNTER FLASHING MECHANICALLY ATTACHED 6" O.C. MAX.
- PROVIDE NEW PREFINISH GI SURFACE MOUNT RECEIVER.
- PROVIDE NEW CONTINUOUS BEAD OF URETHANE SEALANT
- PROVIDE NEW COPPER REGLET RECEIVER.
- EXISTING COPPER THRU WALL TO REMAIN.
- EXISTING ALUMINUM THRU WALL TO REMAIN.
- EXISTING ROOF TOP UNIT TO REMAIN.
- NEW BASE FLASHING BEYOND. SEE DETAIL 8/A311.
- REMOVE PORTION OF EXISTING EIFS.
- PROVIDE NEW MORTAR. PACK NEW MORTAR IN THIN, TIGHT LAYERS UNTIL JOINT IS FULL AND NEW MORTAR IS FLUSH WITH BRICK FACE. TOOL NEW MORTAR JOINT TO MATCH EXISTING.
- EXISTING FASCIA EXTENDER TO REMAIN.
- EXISTING MASONRY WALL.
- NEW BASE FLASHING BEYOND. SEE DETAIL 2/A311.
- NEW FASCIA BEYOND. SEE DETAIL 5/A314.
- NEW EXPANSION JOINT BEYOND. SEE DETAIL 2/A312.
- EXISTING AREA SEPARATION JOINT BEYOND. SEE DETAIL 5/A312.
- NEW FASCIA BEYOND. SEE DETAIL 4/A314.
- NEW BASE FLASHING BEYOND. SEE DETAIL 3/A311.
- EXISTING STRUCTURE TO REMAIN.
- PROVIDE NEW PRESSURE TREATED WOOD BLOCKING SECURELY ATTACHED TO EXISTING SUBSTRATE.
- PROVIDE NEW EXTERIOR GRADE PRESSURE TREATED PLYWOOD.
- PROVIDE NEW PRE-FINISHED ALUMINUM REGLET RECEIVER.
- PROVIDE NEW ALUMINUM PRE-FINISH SURFACE MOUNT RECEIVER.



Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. its heirs, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

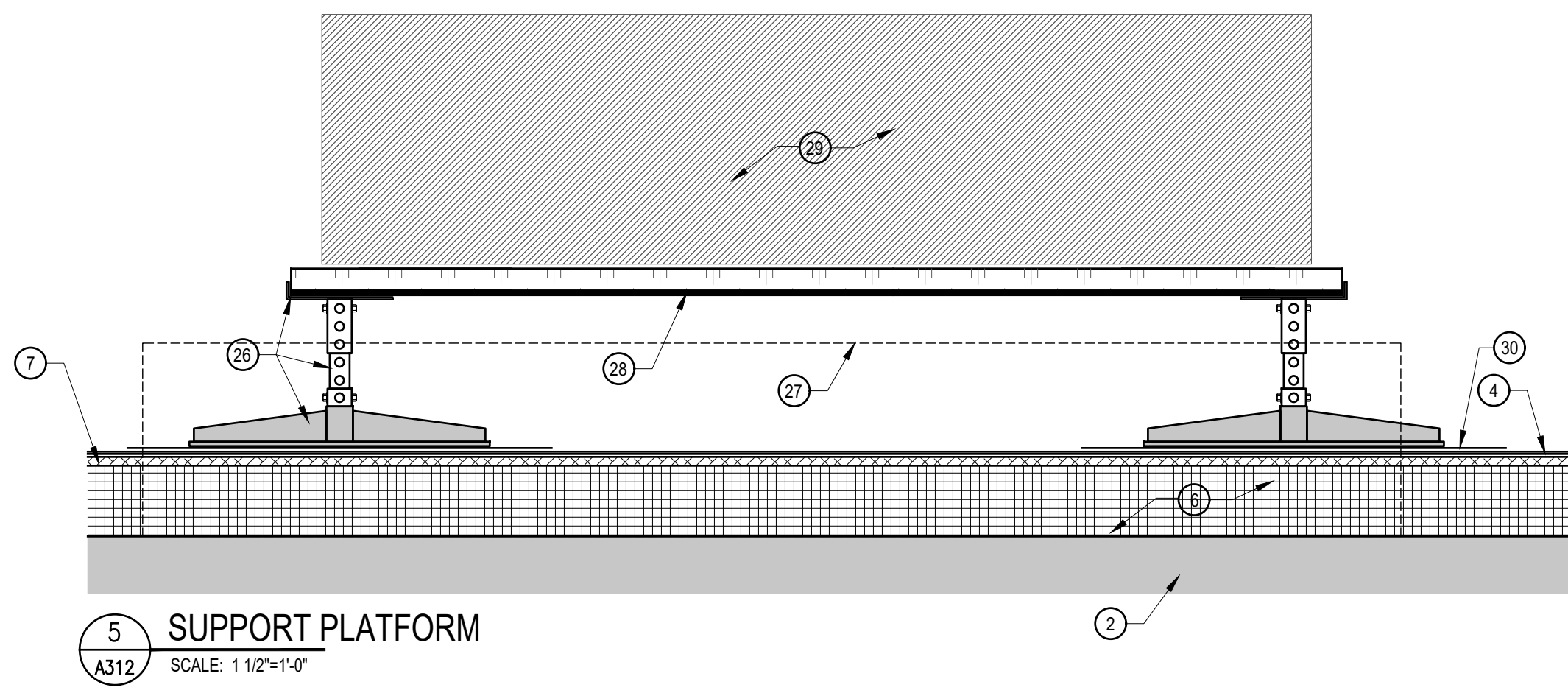
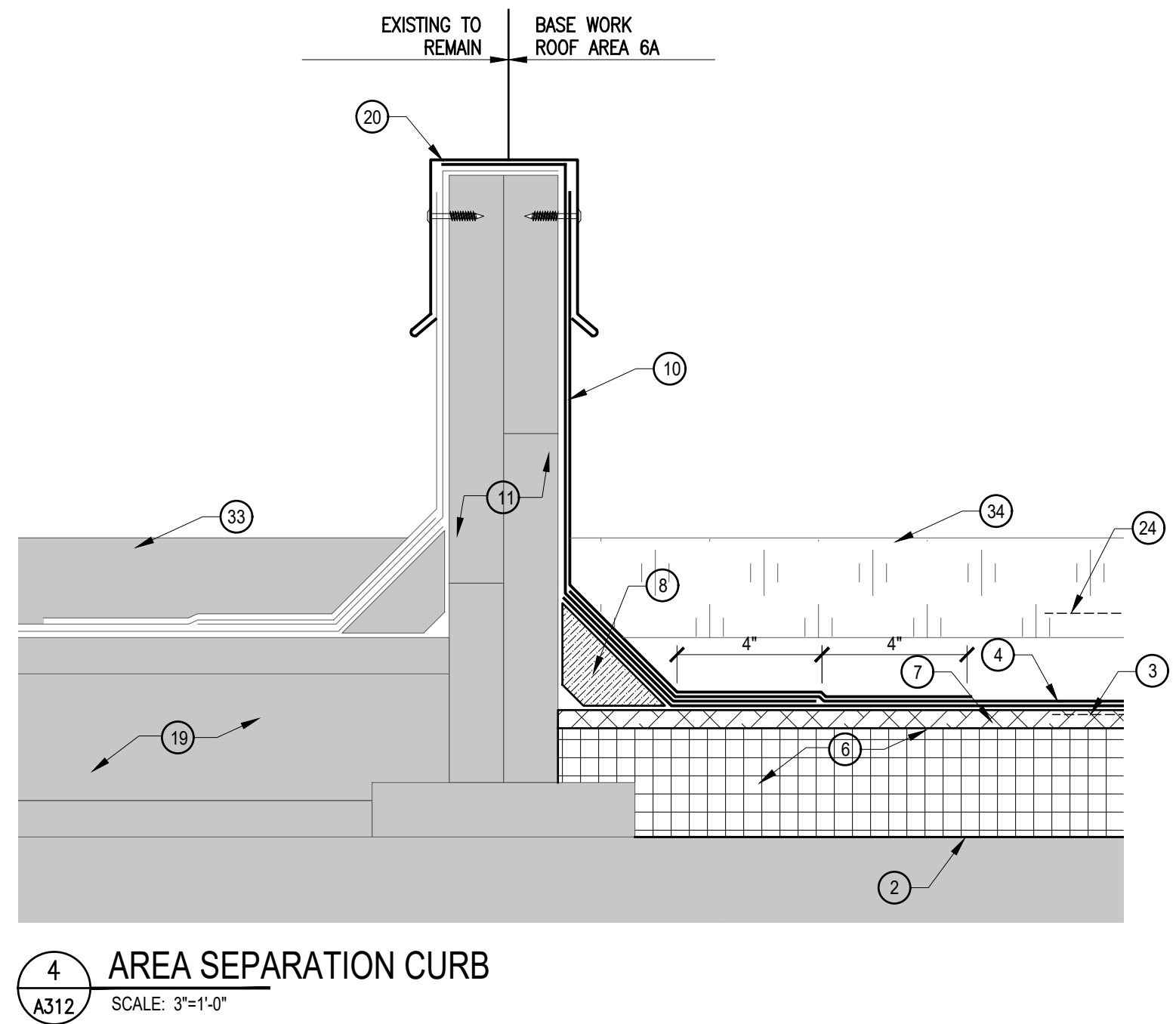
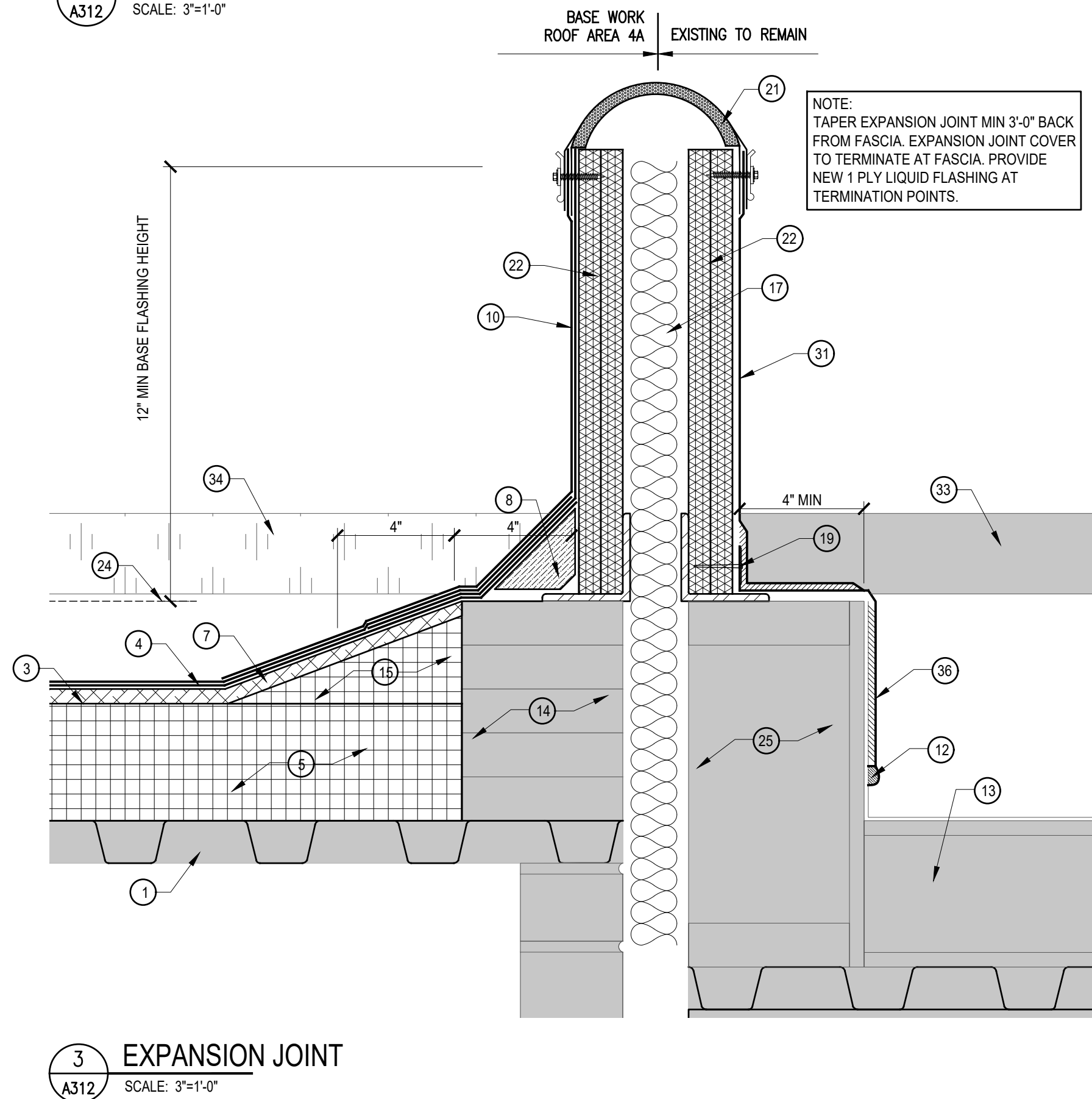
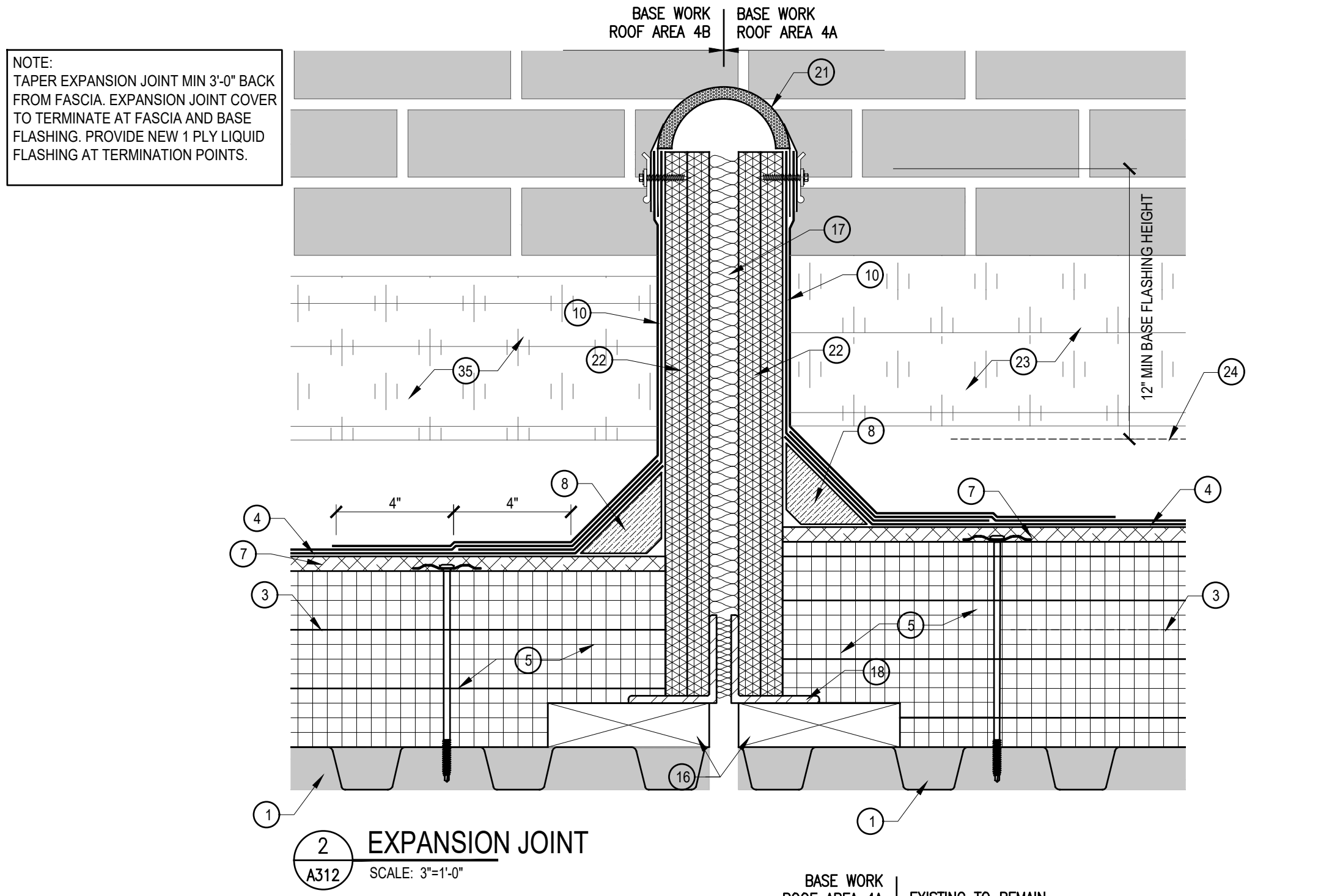
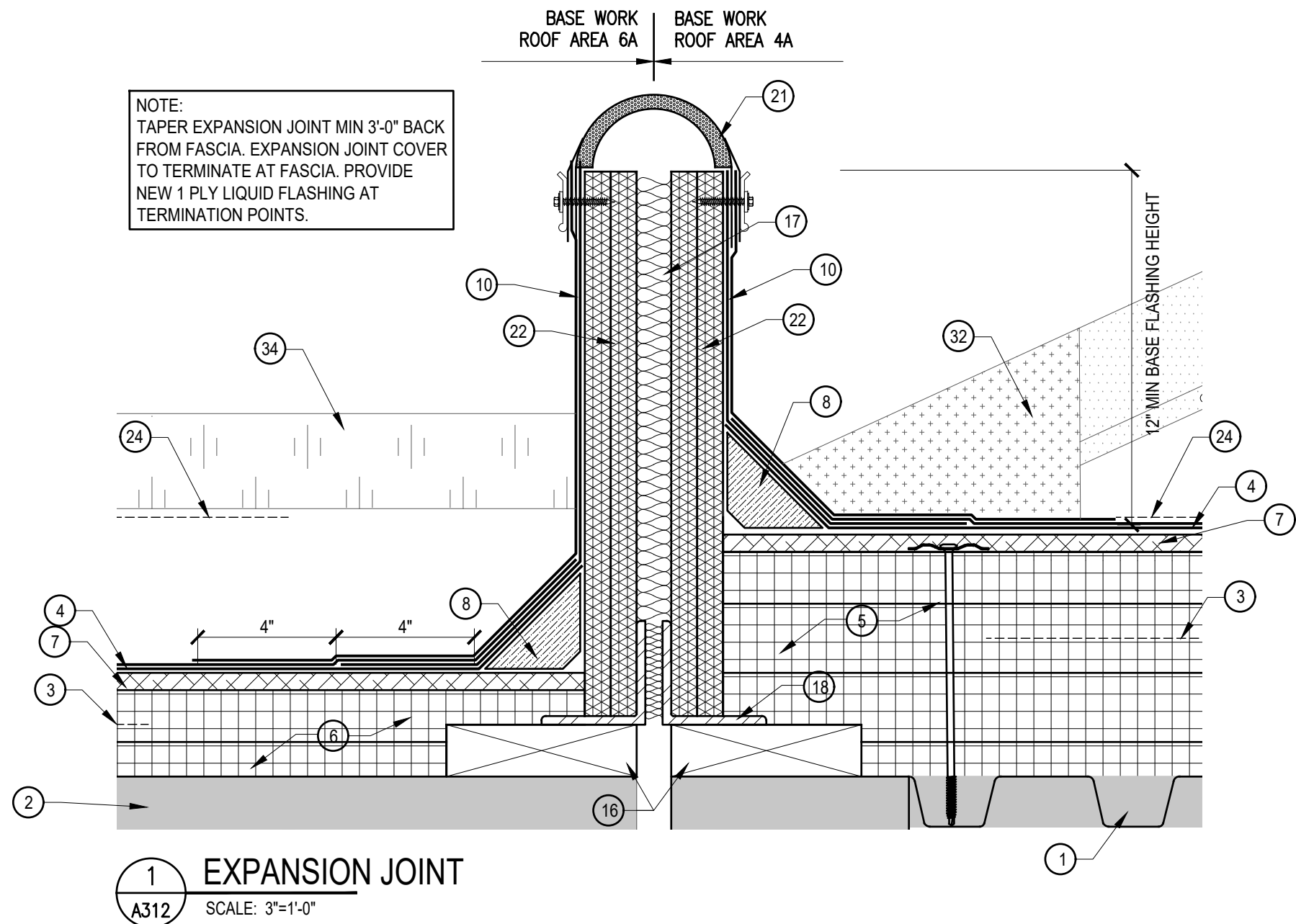
DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC

DRAWING TITLE:

CHAPELWOOD
ELEMENTARY
ROOF DETAILS

SHEET NUMBER:

A311



DETAIL KEY NOTES

- 1 EXISTING METAL DECK.
- 2 EXISTING CONCRETE DECK.
- 3 REMOVE EXISTING ROOF SYSTEM, INSULATIONS, FLASHINGS AND STRIPPINGS.
- 4 PROVIDE NEW 2 PLY MODIFIED BITUMEN MEMBRANE.
- 5 PROVIDE NEW MECHANICALLY ATTACHED RIGID INSULATION BOARD.
- 6 PROVIDE NEW ADHESIVELY ADHERED RIGID INSULATION BOARD.
- 7 PROVIDE NEW ADHESIVELY ADHERED RECOVER BOARD INSULATION.
- 8 PROVIDE NEW CONTINUOUS FIBER CANT STRIP SET IN BED OF ROOF CEMENT.
- 9 PROVIDE NEW 1" SURFACE MOUNTED TERMINATION BAR, MECHANICALLY ATTACHED 12" O.C. MAX. MITER TERMINATION BAR AT ALL VERTICAL TRANSITIONS.
- 10 PROVIDE NEW 2 PLY MODIFIED BITUMEN BASE FLASHING
- 11 EXISTING WOOD BLOCKING AREA SEPARATION CURB TO REMAIN.
- 12 PROVIDE CONTINUOUS BEAD OF LAP SEALANT.
- 13 EXISTING INSULATION AND EPDM MEMBRANE TO REMAIN.
- 14 EXISTING WOOD BLOCKING TO REMAIN. INSPECT EXISTING WOOD BLOCKING AND REPLACE ANY AND ALL DAMAGED OR DETERIORATED BLOCKING WITH NEW.
- 15 PROVIDE TAPERED EDGE STRIPS AND FILLER TO PROVIDE SMOOTH TRANSITION WHERE WOOD BLOCKING IS ABOVE NEW INSULATION HEIGHT. SHAVE AND REDUCE TAPER EDGE STRIP AS REQUIRED TO MAINTAIN SMOOTH TRANSITION AS THICKNESS DECREASES.
- 16 PROVIDE NEW PRESSURE TREATED WOOD BLOCKING SECURELY ATTACHED TO EXISTING DECK.
- 17 PROVIDE NEW FIBERGLASS BATT INSULATION TO FILL JOINT IN EXPANSION JOINT CURB.
- 18 PROVIDE NEW 3"x4"x $\frac{3}{4}$ " STEEL ANGLES 24" LONG, 24" O.C., SECURELY ATTACHED TO EXISTING SUBSTRATE.
- 19 PROVIDE NEW REINFORCED EPDM FLASHING SECUREMENT STRIP MECHANICALLY ATTACHED 12" C.C.
- 20 EXISTING AREA SEPARATION CAP TO REMAIN. REMOVE FOR INSTALLATION OF NEW ROOF SYSTEM AND RE-ATTACH.
- 21 PROVIDE NEW FLEXIBLE EXPANSION JOINT COVER. STRIP OFF EXPANSION JOINT NAILING FLANGE WITH TOP PLY OF NEW MODIFIED BITUMEN BASE FLASHING. SECURE EPDM COVER WITH NEW SURFACE MOUNTED TERMINATION BAR. TRIM EPDM COVER FLUSH WITH BOTTOM OF TERMINATION BAR.
- 22 PROVIDE NEW (2) LAYERS OF EXTERIOR GRADE PRESSURE TREATED PLYWOOD MECHANICALLY ATTACHED TO NEW STEEL ANGLES.
- 23 NEW BASE FLASHING BEYOND. SEE DETAIL 3/A311.
- 24 HIGH POINT OF NEW TAPERED INSULATION. SEE TAPER PLAN.
- 25 EXG KNEE WALL TO REMAIN. INSPECT EXISTING WOOD BLOCKING AND REPLACE ANY AND ALL DAMAGED OR DETERIORATED BLOCKING WITH NEW.
- 26 PROVIDE NEW ADJUSTABLE NON PENETRATING EQUIPMENT SUPPORT PLATFORM WITH NEW 17" BASE.
- 27 REMOVE EXISTING EQUIPMENT SUPPORT RAILS.
- 28 PROVIDE NEW GI STEEL GRATE EQUIPMENT SUPPORT PLATFORM.
- 29 EXISTING ROOF TOP UNIT TO REMAIN
- 30 PROVIDE NEW MODIFIED BITUMEN SLIP SHEET SET IN COLD ADHESIVE AT EACH SUPPORT BASE.
- 31 PROVIDE NEW EPDM BASE FLASHINGS.
- 32 NEW EXP JOINT BEYOND. SEE DETAIL 2/A312.
- 33 EXISTING FASCIA BEYOND.
- 34 NEW FASCIA BEYOND. SEE DETAIL 4/A314.
- 35 NEW BASE FLASHING BEYOND. SEE DETAIL 1/A311.
- 36 PROVIDE NEW EPDM STRIPPING.
- 37 PROVIDE NEW REINFORCED EPDM FLASHING SECUREMENT STRIP MECHANICALLY ATTACHED 12" C.C.



Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

2021 ROOF AND ROOF RELATED WORK AT VARIOUS LOCATIONS

WE ARE WAYNE!
GREAT SCHOOLS. GREAT COMMUNITY

PROJECT TITLE:

PROFESSIONAL SEAL:

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. its heirs, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

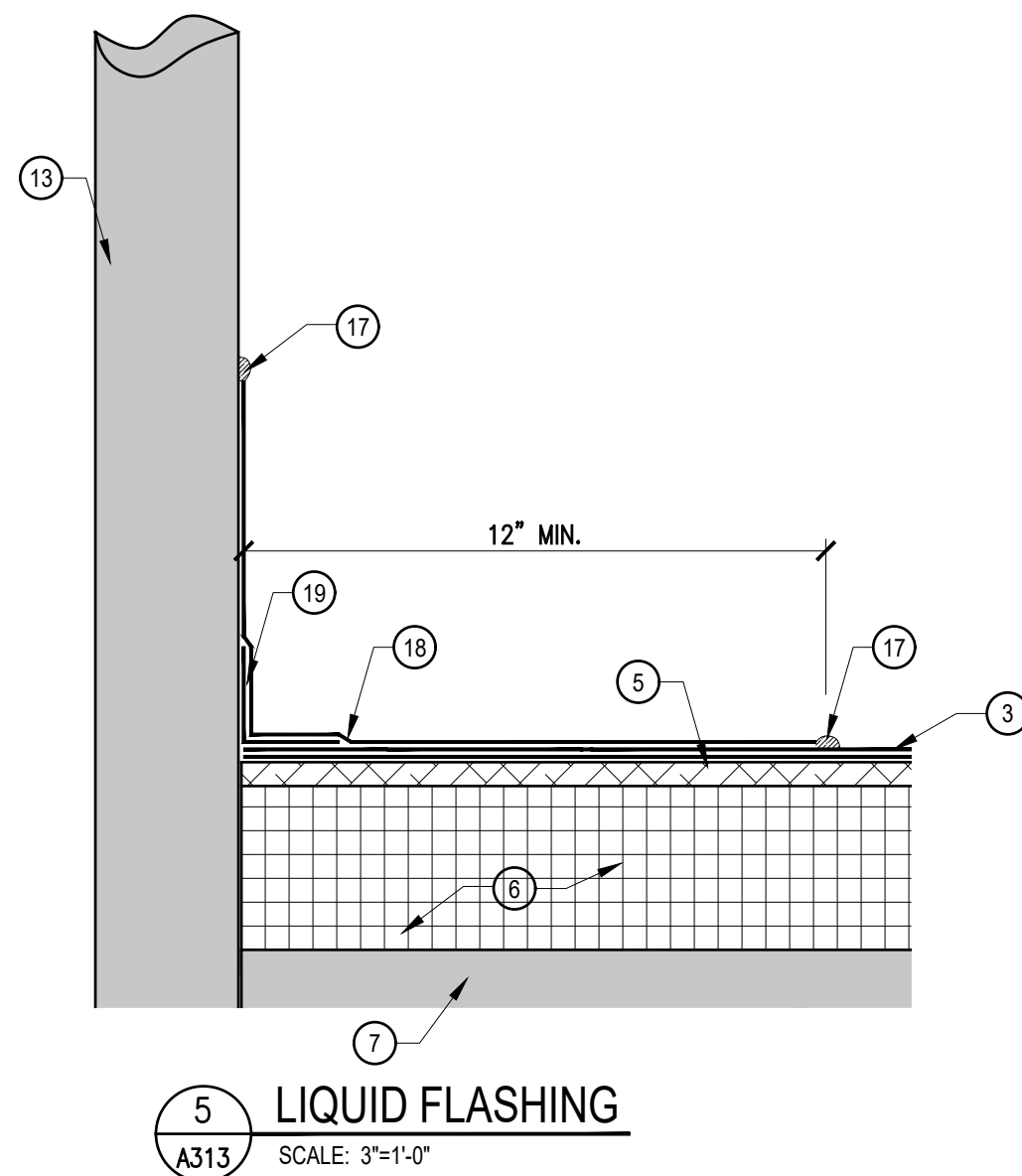
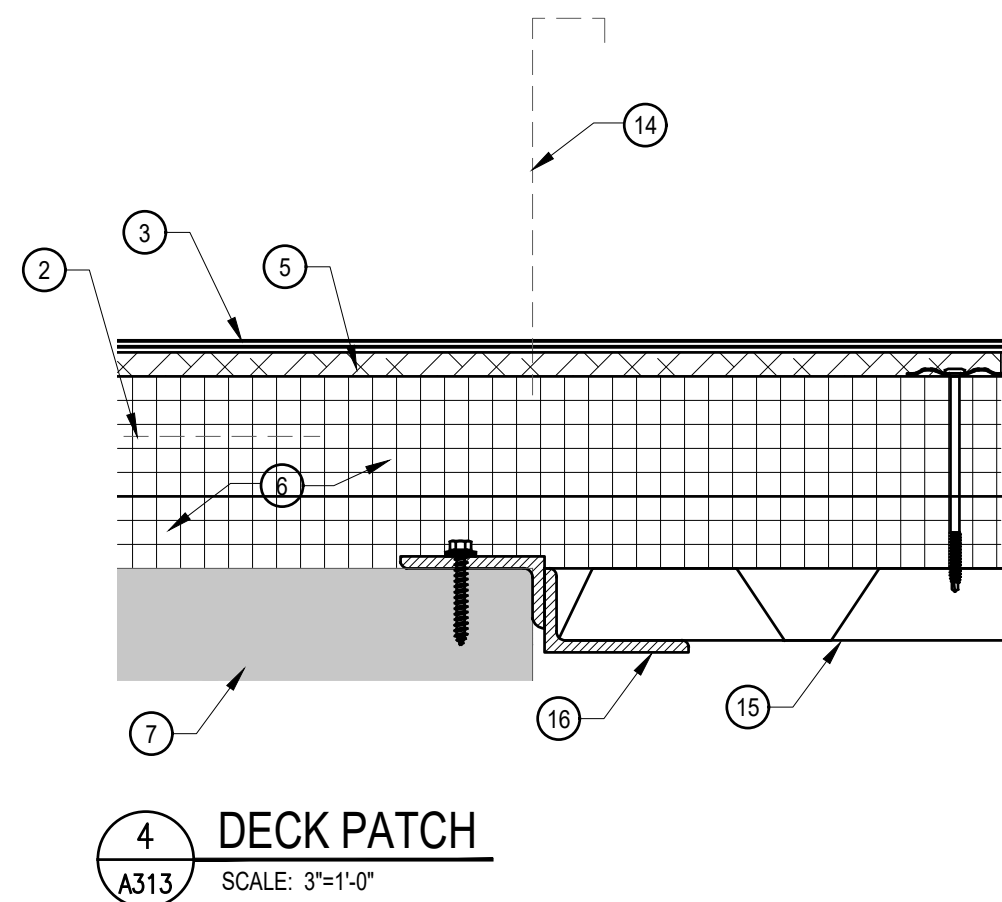
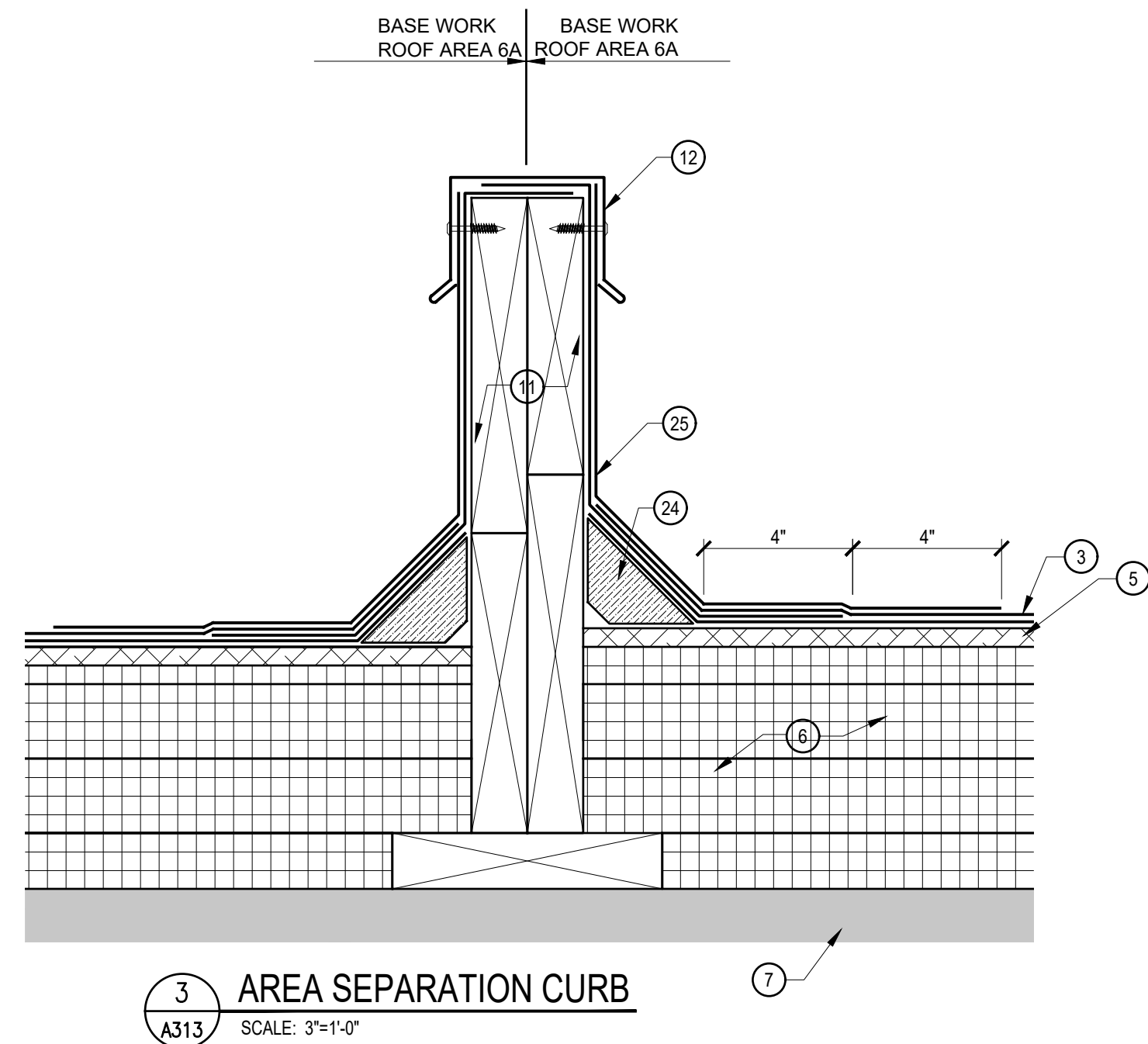
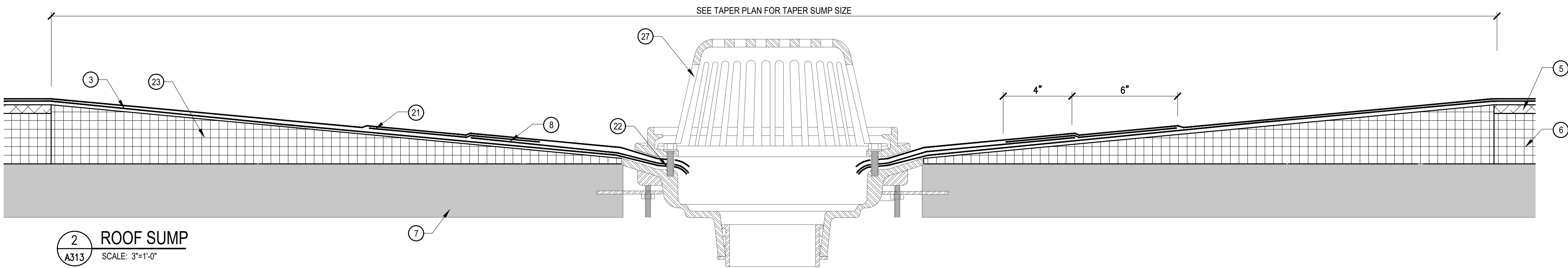
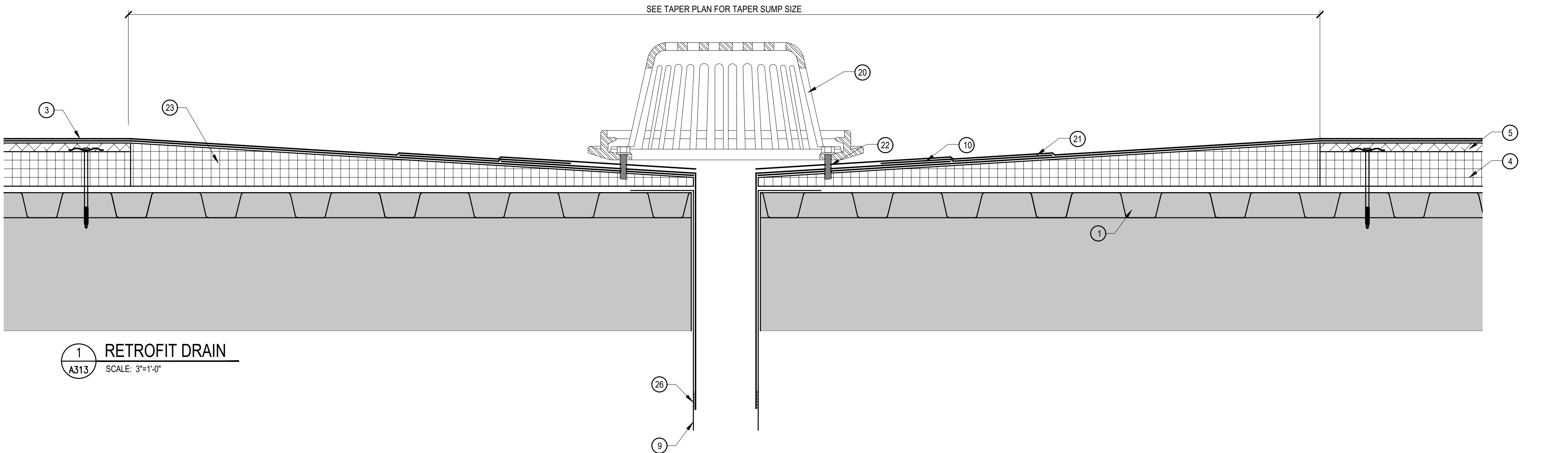
PROJECT NUMBER:
200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC

DRAWING TITLE:
CHAPELWOOD ELEMENTARY ROOF DETAILS

SHEET NUMBER:
A312



DETAIL KEY NOTES

- 1 EXISTING METAL DECK.
- 2 REMOVE EXISTING ROOF SYSTEM, INSULATIONS, FLASHINGS AND STRIPPINGS.
- 3 PROVIDE NEW 2 PLY MODIFIED BITUMEN MEMBRANE.
- 4 PROVIDE NEW MECHANICALLY ATTACHED RIGID INSULATION BOARD.
- 5 PROVIDE NEW ADHESIVELY ADHERED RECOVER BOARD INSULATION
- 6 PROVIDE NEW ADHESIVELY ADHERED RIGID INSULATION BOARD.
- 7 EXISTING CONCRETE DECK.
- 8 PROVIDE NEW PRIMED LEAD FLASHING, BOTH SIDES, SET IN BED OF ROOF CEMENT.
- 9 EXG DRAIN TUBE TO REMAIN.
- 10 PROVIDE NEW PRIMED FLANGE SET IN BED OF ROOF CEMENT.
- 11 PROVIDE NEW PRESSURE TREATED WOOD BLOCKING SECURELY ATTACHED TO EXISTING SUBSTRATE.
- 12 PROVIDE NEW PREFINISH AREA SEPARATION CURB CAP.
- 13 EXISTING ROOF PENETRATION TO REMAIN.
- 14 REMOVE EXISTING ABANDONED ROOF TOP EQUIPMENT.
- 15 PROVIDE NEW 1 1/2" METAL DECK IN-FILL. TOP OF METAL DECK IN-FILLS IS TO BE LEVEL WITH TOP OF EXISTING DECK.
- 16 PROVIDE NEW 16 GAUGE STEEL BENT 4" X 1 1/2" X 3" ON ALL FOUR SIDES OF EXISTING OPENING AND MECHANICALLY ATTACHED TO EXISTING SUBSTRATE.
- 17 PROVIDE NEW RESIN FILL AT ALL LIQUID FLASHING TERMINATION POINTS.
- 18 PROVIDE (1) PLY LIQUID FLASHING MEMBRANE. EXTEND 12" MIN ONTO MODIFIED BITUMEN MEMBRANE AND VERTICALLY ONTO EXISTING PENETRATION POST.
- 19 PROVIDE NEW CONTINUOUS 4" WIDE STRIP OF RESIN SATURATED FLEECE.
- 20 PROVIDE NEW RETROFIT CLAMPING RING AND STRAINER.
- 21 PROVIDE NEW 10" MODIFIED BITUMEN STRIPPING MINIMUM 4" ONTO NEW LEAD FLASHING, STRIPPING IS NOT TO EXCEED BEYOND EDGE OF TAPERED ROOF SUMP.
- 22 PROVIDE MANUFACTURER'S STANDARD MASTIC.
- 23 PROVIDE NEW TAPERED INSULATION SUMP, SHAVE INSULATION FLUSH WITH SUMP DECK FLANGE.
- 24 PROVIDE NEW CONTINUOUS FIBER CANT STRIP SET IN BED OF ROOF CEMENT.
- 25 PROVIDE NEW 2 PLY MODIFIED BITUMEN BASE FLASHING.
- 26 PROVIDE NEW MECHANICAL WATERTIGHT CONNECTION SEAL.
- 27 EXISTING ROOF SUMP, CLAMPING RING, AND STRAINER. PROVIDE NEW WHERE NECESSARY.



Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

PROJECT TITLE:



2021 ROOF AND ROOF RELATED WORK AT
VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc. Its heirs, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, express or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL

PROJECT NUMBER:

200220

DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1		00/00/00
2		00/00/00
3		00/00/00
4		00/00/00

DATE ISSUED:	DRAWN BY:	CHECKED BY:
01/15/21	VD	AC

DRAWING TITLE:

CHAPELWOOD
ELEMENTARY
ROOF DETAILS

SHEET NUMBER:

A313

3 LADDER
A314 SCALE: 1 1/2"=1'-0"

1
A314

EQUIPMENT CURB

SCALE: 3"=1'-0"

4 FASCIA
A314 SCALE: 3"=1'-0"

6 PITCHPOCKET
A314 SCALE: 3"=1'-0"

7 FASCIA
A314 SCALE: 3"=1'-0"

2 FLUE
A314 SCALE: 3"=1'-0"

5 FASCIA
A314 SCALE: 3"=1'-0"

8
A314

TYP EQUIPMENT CURE

SCALE: 3"=1'-0"

DETAIL KEY NOTES

- (1) EXISTING METAL DECK.
- (2) EXISTING CONCRETE DECK.
- (3) REMOVE EXISTING ROOF SYSTEM, INSULATIONS, FLASHINGS AND STRIPPINGS.
- (4) PROVIDE NEW 2 PLY MODIFIED BITUMEN MEMBRANE.
- (5) PROVIDE NEW MECHANICALLY ATTACHED RIGID INSULATION BOARD.
- (6) PROVIDE NEW ADHESIVELY ADHERED RECOVER BOARD INSULATION
- (7) PROVIDE NEW ADHESIVELY ADHERED RIGID INSULATION BOARD.
- (8) PROVIDE NEW CONTINUOUS FIBER CANT STRIP SET IN BED OF ROOF CEMENT.
- (9) PROVIDE NEW 1" SURFACE MOUNTED TERMINATION BAR, MECHANICALLY ATTACHED 12" O.C. MAX. MITTER TERMINATION BAR AT ALL VERTICAL TRANSITIONS.
- (10) PROVIDE NEW CONTINUOUS BEAD OF MANUFACTURER'S MASTIC.
- (11) REMOVE EXG FLG, CLEAN AND PRIME AND PROVIDE NEW 2 PLY MODIFIED BITUMEN BASE FLASHINGS.
- (12) EXISTING ROOF TOP UNIT HOOD TO REMAIN.
- (13) EXISTING ROOF TOP UNIT CURB TO REMAIN.
- (14) PROVIDE NEW WOOD BLOCKING, IF NECESSARY, TO RAISE UNIT TO PROVIDE MIN 12" BASE FLASHING HEIGHT.
- (15) PROVIDE NEW COUNTER FLASHING MECHANICALLY ATTACHED TO EXG ROOF TOP UNIT FLANGE. NEW COUNTER FLASHING TO MATCH EXG HOOD METAL.
- (16) PROVIDE NEW MODIFIED BITUMEN STRIPPING.
- (17) PROVIDE NEW GI FLASHING, SET FLASHING FLANGE IN BED OF ROOF CEMENT, PRIME TOP OF FLANGE.
- (18) REMOVE EXISTING FLASHINGS AND RAIN COLLAR AROUND EXG FLUE STACK.
- (19) PROVIDE NEW CONTINUOUS BEAD OF URETHANE SEALANT.
- (20) EXISTING FLUE STACK TO REMAIN.
- (21) PROVIDE NEW GI RAIN COLLAR.
- (22) PROVIDE NEW STAINLESS STEEL COMPRESSION DRAW BAND.
- (23) PROVIDE NEW PRE-FINISHED ALUMINUM FASCIA, WITH 12" MIN CONCEALED SPLICE PLATES CENTERED AT JOINTS.
- (24) NEW BASE PLY MODIFIED BITUMEN MEMBRANE TO WRAP OVER EDGE MIN 2".
- (25) REMOVE EXISTING FASCIA, PROVIDE NEW FASCIA CLOSURE AT LOCATIONS WHERE EXISTING FASCIA IS TO REMAIN IN NON-WORK AREAS ADJACENT TO REMOVED SECTIONS OF FASCIA.
- (26) PROVIDE NEW CONTINUOUS FASCIA CLEAT MECHANICALLY ATTACHED 4" O.C. MAX, STAGGERED.
- (27) PROVIDE NEW WOOD BLOCKING TO MATCH EXISTING WOOD BLOCKING THICKNESS. NEW WOOD BLOCKING IS TO BE BUILT OUT FLUSH WITH EXTERIOR WALL SURFACE.
- (28) EXISTING WOOD BLOCKING TO REMAIN. INSPECT EXISTING WOOD BLOCKING AND REPLACE ANY AND ALL DAMAGED OR DETERIORATED BLOCKING WITH NEW.
- (29) PROVIDE TAPERED EDGE STRIPS AND FILLER TO PROVIDE SMOOTH TRANSITION WHERE WOOD BLOCKING IS ABOVE NEW INSULATION HEIGHT. SHAVE AND REDUCE TAPER EDGE STRIP AS REQUIRED TO MAINTAIN SMOOTH TRANSITION AS THICKNESS DECREASES.
- (30) PROVIDE NEW SHEET METAL PITCH PAN.
- (31) PROVIDE NEW POURABLE SEALER WITH MIN. 2" COVERAGE AROUND PENETRATIONS.
- (32) PROVIDE NEW PRESSURE TREATED WOOD BLOCKING SECURELY ATTACHED TO EXISTING SUBSTRATE.
- (33) PROVIDE NEW NON SHRINKING GROUT.
- (34) PROVIDE NEW RESIN FILL AT ALL LIQUID FLASHING TERMINATION POINTS.
- (35) PROVIDE (1) PLY LIQUID FLASHING MEMBRANE.
- (36) PROVIDE NEW CONTINUOUS 4" WIDE STRIP OF RESIN SATURATED FLEECE.
- (37) ROOF TOP VENT TO BE REMOVED FOR INSTALLATION OF NEW LIQUID FLASHING AND REINSTALLED.
- (38) HIGH POINT OF NEW TAPER INSULATION. SEE TAPER PLAN.
- (39) PROVIDE NEW 1" X 4" EXTRUDED ALUMINUM RAILS.
- (40) PROVIDE NEW 1" X 4" EXTRUDED ALUMINUM MOUNTING BAR. MOUNTING BAR ARE TO BE INSTALLED AT TOP AND BOTTOM OF NEW MAN LADDER AS SHOWN AND 5' MINIMUM C/C BETWEEN TOP AND BOTTOM MOUNTING BARS WHERE HEIGHTS REQUIRE ADDITIONAL MOUNTING BARS. PROVIDE (3) ANCHORS PER MOUNTING BAR.
- (41) PROVIDE NEW 1 1/2" DIA. EXTRUDED ALUMINUM RUNGS. RUNGS ARE TO BE PLACED 16" C/C MAX, AND HAVE A SLIP RESISTANT COATING.
- (42) EXISTING EYE BOLT AND GUY WIRE TO REMAIN.
- (43) EXISTING PRE-FINISH FASCIA EXTENDER TO REMAIN.
- (44) PROVIDE NEW PRE-FINISH ALUMINUM EXTENDER WITH 12" MIN CONCEALED SPLICE PLATES CENTERED AT JOINTS.
- (45) NEW EXPANSION JOINT BEYOND. SEE DETAIL 1/A312.
- (46) NEW FASCIA BEYOND. SEE DETAIL 5/A314.
- (47) NEW BASE FLASHING BEYOND. SEE DETAIL 8/A311.



Corporate Office
7172 N. Keystone Ave., Suite G
Indianapolis, Indiana 46240
Tel: 317.466.9520
Fax: 317.536.3930

Northern Indiana Office
407 Broadway St.
New Haven, Indiana 46774
Tel: 260.748.0591
Fax: 317.536.3930

WE ARE WAYNE!
GREAT SCHOOLS :: GREAT COMMUNITY




2021 ROOF AND ROOF RELATED WORK AT VARIOUS LOCATIONS

DISCLAIMER:
This construction document is the property of the etica group, inc. It is intended solely for use by the etica group, inc., its heirs, and assigns. Modification or reuse of this document without permission from the etica group, inc. is prohibited. Use of this document for any purpose other than that intended by the etica group, inc. constitutes an impermissible misuse. The etica group, inc. is not responsible for any damage or injury resulting from misuse of this document. The etica group, inc. disclaims all warranties, expressed or implied, relating to the use of this document for any purpose other than that intended by the etica group, inc.

PROFESSIONAL SEAL:

PROJECT NUMBER:

200220

	DESCRIPTION:	DRAWN BY:	DATE ISSUED:
1			00/00/00
2			00/00/00
3			00/00/00
4			00/00/00

DATE ISSUED: 01/15/21	DRAWN BY: VD	CHECKED BY: AC
--------------------------	-----------------	-------------------

DRAWING TITLE:

CHAPELWOOD ELEMENTARY ROOF DETAILS

SHEET NUMBER:

A314