

CHAPPAQUA CENTRAL SCHOOL DISTRICT

ROOF REPLACEMENT

AT WESTORCHARD ELEMENTARY SCHOOL

25 Granite Road Chappaqua, NY 10514

ISSUE FOR BID - JULY 22, 2021

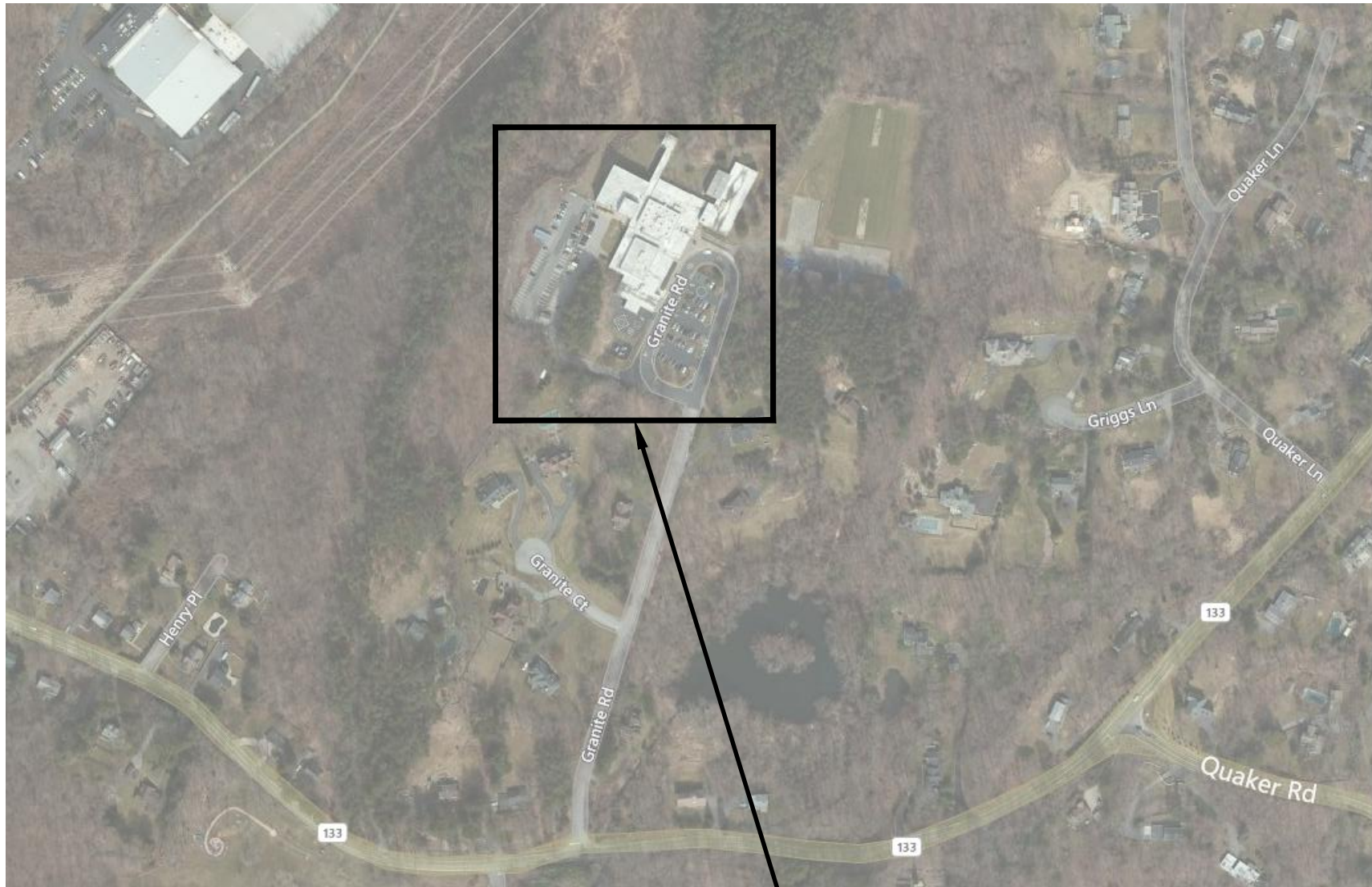
ROOF REPLACEMENT
AT WESTORCHARD
ELEMENTARY SCHOOL

NY SED Project Control No.
66-10-04-06-0-013-013

KG+D Project No.
2021-1039

CONSTRUCTION DOCUMENTS

LOCATION MAP



PROJECT LOCATION

LIST OF ABBREVIATIONS

AB	- ANCHOR BOLT	(E)	- EXISTING	IF	- INSIDE FACE	OC	- ON CENTER	S	- SOUTH
AC	- AIR CONDITIONING	E	- EAST	IN	- INCH	OD	- OUTSIDE DIAMETER/DIMENSION	SAN	- SANITARY
ACM	- ASBESTOS CONTAINING MATERIAL	EA	- EACH	INCL	- INCLUDED / INCLUDING	OFF	- OFFICE	SCHED	- SCHEDULE
ACT	- ACOUSTIC CEILING TILE	EE	- EACH END	INFO	- INFORMATION	OH, OPH	- OPPOSITE HAND	SECT	- SECTION
ADD	- ADDITIONAL	EFS	- EXTERIOR FINISH SYSTEM	INSUL	- INSULATION	OPNG	- OPENING	SF	- SQUARE FEET/FOOT
ADJ	- ADJUSTABLE	EIFS	- EXTERIOR INSULATION AND FINISH SYSTEM	INT	- INTERIOR	OPP	- OPPOSITE	SH	- SHELVING / SHELF
AFF	- ABOVE FINISH FLOOR	EJ	- EXPANSION JOINT			OTS	- OPEN TO STRUCTURE	SHR	- SHOWER
ALT	- ALTERNATE	EL, ELEV	- ELEVATION	J, JC, JAN	- JANITOR, JANITOR'S CLOSET	OVHD	- OVERHEAD	SIM	- SIMILAR
AL, ALUM	- ALUMINUM	ELEC	- ELECTRICAL	JT	- JOINT			SPEC	- SPECIFICATION
APPROX	- APPROXIMATE	ELEV	- ELEVATOR			P, PTD	- PAINT	SQ	- SQUARE
ARCH	- ARCHITECTURAL	ENCL	- ENCLOSURE	KPL	- KICK PLATE	PARTN, PTN	- PARTITION	SS	- STAINED & SEALED
AV	- AUDIO VISUAL	EQ	- EQUAL	KIT	- KITCHEN	PBD	- PARTICLEBOARD	SST	- STAINLESS STEEL
		EQUIP	- EQUIPMENT	KO	- KNOCKOUT	PL	- PLATE	STL	- STEEL
BD	- BOARD	EX, EXIST	- EXISTING	L	- LONG OR LITER (METRIC DOCS)	PLAM	- PLASTIC LAMINATE	STLJST	- STEEL JOIST
BLDG	- BUILDING	EXT	- EXTERIOR	LAV	- LAVATORY	PLAS	- PLASTER	STOR	- STORAGE
BLKG	- BLOCKING	EW	- EACH WAY	LB	- LBRARY	PLMB	- PLUMBING	STRG	- STRINGER
BM	- BEAM	FA	- FIRE ALARM	LAM	- LAMINATE / LAMINATION	PLYWD	- PLYWOOD	STRL	- STRUCTURAL
BOT	- BOTTOM OF	FAB	- FABRIC	LAV	- LAVATORY	PNL	- PANEL	STRUCT	- STRUCTURAL
BSMT	- BASEMENT	FD	- FIRE DAMPER	LF	- LINEAR FOOT	PR	- PAIR	SUSP	- SUSPENDED
BTW	- BETWEEN	FDN	- FOUNDATION	LT	- LIGHT	PREFAB	- PREFABRICATED		
		FE	- FIRE EXTINGUISHER	LTG	- LIGHTING	PSF	- POUNDS PER SQUARE FOOT		
CAB	- CABINET	FEC	- FIRE EXTINGUISHER CABINET	LWC	- LIGHT WEIGHT CONCRETE	PT	- PORCELAIN TILE	T&G	- TONGUE AND GROOVE
CB	- CEMENT BOARD	FF	- FACTORY FINISH	MAINT	- MAINTENANCE	QT	- QUARRY TILE	T	- TOP
CI	- CAST IRON	FHC	- FIRE HOSE CABINET	MAS	- MASONRY	QTY	- QUANTITY	TB	- TACKBOARD
CJ	- CONTROL JOINT / CONSTRUCTION JOINT	FHVC	- FIRE HOSE VALVE CABINET	MATL	- MATERIAL			TEL	- TELEPHONE OR TELECOM
CL	- CENTER LINE	FIN	- FINISH	MAX	- MAXIMUM	(R)	- RELOCATED	TEMP	- TEMPERATURE
CLNG	- CEILING	FIX, FIXT	- FIXTURE	MBL	- MARBLE	R	- RADIUS, OR RISER (PIPING)	TERR	- TERRAZZO
CLR	- CLEAR	FL, FLR	- FLOOR	MDF	- MEDIUM DENSITY FIBERBOARD	RA	- RETURN AIR	THK	- THICKNESS
CMU	- CONCRETE MASONRY UNIT	FL MTD	- FLUSH MOUNTED	MEP	- MECHANICAL, ELECTRICAL, PLUMBING	RB	- RUBBER BASE	THRES	- THRESHOLD
COL	- COLUMN	FLUOR	- FLUORESCENT	MDO	- MEDIUM DENSITY OVERLAY PLYWOOD	RCP	- REFLECTED CEILING PLAN	TMP	- TEMPERED
CONC	- CONCRETE	FO	- FACE OF	MECH	- MECHANICAL	RD	- ROOF DRAIN	TO	- TOP OF (SEE OTHER WORD)
COND	- CONDITION	FT	- FOOT / FEET	MFR	- MANUFACTURER	RECPT	- RECEPTACLE	TOS	- TOP OF SLAB, TOP OF STRUCTURE
CONN	- CONNECTION	FTF	- FACE TO FACE	MIN	- MINIMUM	REF	- REFERENCE	TOSTL	- TOP OF STEEL
CONST	- CONSTRUCTION	FRTZ	- FRITZ FLOOR (RTT) TILE	MISC	- MISCELLANEOUS	REFL	- REFLECTED / REFLECTIVE / REFLECT	TV	- TELEVISION
CONT	- CONTINUOUS	FTG	- FOOTING	MS	- METAL STUD	REFR	- REFRIGERATOR	TYP	- TYPICAL
CONTR	- CONTRACTOR	FURN	- FURNITURE	MSNRY	- MASONRY	REQ, REQD	- REINFORCED / REINFORCING	UNFIN	- UNFINISHED
COORD	- COORDINATE	FURR	- FURRING	MTD	- MOUNTED	RESIL	- RESILIENT	UNO	- UNLESS NOTED OTHERWISE
CORR	- CORRIDOR			MTG	- MOUNTING	REV	- REVISION / REVISED	UON	- UNLESS OTHERWISE NOTED
CT	- CERAMIC TILE	GA	- GAUGE / GAGE	MTL	- METAL	RM	- ROOM	UR	- URINAL
CTR	- CENTER	GC	- GENERAL CONTRACT(OR)			RO	- ROUGH OPENING	VAC	- VENTILATION AND AIR CONDITIONING
		GRC	- GLASS FIBER REINFORCED CONCRETE			RTD	- RATED	VAT	- VINYL ASBESTOS TILE
D	- DEEP, DEPTH	GFRG	- GLASS FIBER REINFORCED GYPSUM			RTG	- RATING	VCT	- VINYL COMPOSITION TILE
DBL	- DOUBLE	GL	- GLASS	N	- NORTH			VERT	- VERTICAL
DEC	- DEGREE	GWB, GYPBD	- GYPSUM WALLBOARD	NA	- NOT APPLICABLE			VEST	- VESTIBULE
DEMO	- DEMOLITION			NIC	- NOT IN CONTRACT			VIF	- VERIFY IN FIELD
DEPT	- DEPARTMENT	H	- HIGH / HEIGHT	NO	- NUMBER			VT	- VINYL TILE
DET	- DETAIL	HCP	- HANDICAPPED	NTS	- NOT TO SCALE			VWC	- VINYL WALL COVERING
DF	- DRINKING FOUNTAIN	HD	- HEAD						
DIA	- DIAMETER	HDR	- HEADER						
DIS	- DISABLED	HDW	- HARDWARE						
DISP	- DISPENSER	HDWD	- HARDWOOD						
DMPF	- DAMP PROOFING	HM	- HOLLOW METAL (STEEL FRAME)						
DN	- DOWN	HO	- HOLD-OPEN						
DO	- DOOR OPENING	HORIZ	- HORIZONTAL						
DR	- DOOR	HR	- HOUR						
DRN	- DRAIN	HSS	- HOLLOW STRUCTURAL SECTION						
DWG	- DRAWING	HT	- HEIGHT						
DWR	- DRAWER	HVAC	- HEATING, VENTILATING, AIR CONDITIONING						

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LIST OF DRAWINGS

T-001 TITLE SHEET

ABATEMENT:

H-001.00 ASBESTOS ABATEMENT GENERAL NOTES
H-002.00 ASBESTOS ABATEMENT LOCATIONS FOR BASE BID ROOF PLAN
H-003.00 ASBESTOS ABATEMENT LOCATIONS FOR ADD ALTERNATE 1 ROOF PLAN

ARCHITECTURAL:

A-250 ROOF PLAN
A-251 ROOF DETAILS
A-252 ROOF DETAILS
A-253 ROOF DETAILS

Sheet Number

T-001

ASBESTOS ABATEMENT GENERAL NOTES

GENERAL NOTES:

- ALL ASBESTOS REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, GUIDELINES, REGULATIONS, ORDERS AND DIRECTIVES, INCLUDING WITHOUT LIMITATIONS, THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA), AND U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH), AND NEW YOK STATE DEPARTMENT OF LABOR (NYSDDL).
- CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, SERVICES, ETC., NECESSARY TO PERFORM THE WORK REQUIRED FOR ASBESTOS ABATEMENT IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.
- CONTRACTOR SHALL DEVELOP AND IMPLEMENT A WRITTEN STANDARD PROCEDURE FOR ABATEMENT WORK TO ENSURE MAXIMUM PROTECTION AND SAFEGUARD FROM ASBESTOS EXPOSURE OF THE WORKERS, VISITORS, EMPLOYEES, GENERAL PUBLIC, AND THE ENVIRONMENT.
- CONTRACTOR SHALL PROVIDE SIGNS, LABELS, WARNINGS, AND POST INSTRUCTIONS THAT ARE NECESSARY TO PROTECT, INFORM AND WARN PEOPLE OF THE HAZARD FROM ASBESTOS EXPOSURE. POST IN A PROMINENT AND CONVENIENT PLACE FOR THE WORKERS A COPY OF THE LATEST APPLICABLE REGULATIONS FROM OSHA, EPA, NIOSH AND NYSDDL.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATION.
- THE CONTRACTOR SHALL RELOCATE ALL FURNITURE, LOCKERS, DESKS AND OTHER MISC. ITEMS IN AND OUT OF THE WORK AREAS TO ACCOMODATE ASBESTOS ACTIVITIES.
- THE CONTRACTOR SHALL PROVIDE ALL ELECTRICAL, WATER, AND WASTE CONNECTIONS, TIE-INS, EXTENSIONS, CONSTRUCTION MATERIALS, SUPPLIES, ETC. AS REQUIRED TO FACILITATE ASBESTOS REMOVAL.
- CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRIC AND LIGHT THROUGHOUT THE WORK AREA(S) AS REQUIRED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND CODES.
- THE CONTRACTOR SHALL ESTABLISH CRITICAL BARRIERS OVER ALL OPENINGS LOCATED INSIDE THE PARTICULAR WORK AREA AS WELL AS INSIDE THE SCHOOL.
- CONTRACTOR SHALL PROPERLY PROTECT ALL CONTROLS, TUBING, ELECTRICAL PANELS, EQUIPMENT, ETC. WITHIN THE WORK AREA.
- THE CONTRACTOR SHALL BE REQUIRED TO ISSUE NON-WHITE WORK COVERALLS FOR ALL ABATEMENT WORKERS.
- CONTRACTOR SHALL EXERCISE EXTREME CARE AND CAUTION DURING ANY AND ALL DEMOLITION AND ABATEMENT OPERATIONS. CONTRACTOR SHALL CONDUCT REMOVAL OF ALL MATERIALS FROM THE SITE WITH MINIMUM DISTURBANCE; PROVIDE PROPER PROTECTION AND REGULAR MAINTENANCE OF ALL BUILDING PREMISES DIRECTLY OR INDIRECTLY ASSOCIATED WITH ABATEMENT OPERATIONS.
- CONTRACTOR SHALL LOCATE AND SEAL ALL PENETRATIONS THROUGH WALLS BETWEEN THE WORK AREA AND ADJACENT AREAS, INCLUDING, BUT NOT LIMITED TO PIPE, DUCT, CONDUIT, CHASES, VENT AND OPENINGS IN FIRE WALLS OR DECKS BETWEEN FLOORS AS REQUIRED BY THE FIELD CONDITION.
- THE CONTRACTOR SHALL USE A WATER SPRAYER TO WET ASBESTOS-CONTAINING MATERIALS INSIDE THE WORK AREA.
- CONTRACTOR SHALL CONSTRUCT A PERSONAL/WASTE DECONTAMINATION ENCLOSURE SYSTEM (P./W.D.E.S.) AS INDICATED. IT SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE STORAGE OF MATERIALS, EQUIPMENT, ETC.
- SHOWER AND WASTEWATER MUST BE FILTERED AND DISPOSED OF IN THE BUILDING'S SANITARY SYSTEM. REFER TO CONTRACT SPECIFICATIONS.
- IF WATER IS NOT AVAILABLE, THE CONTRACTOR SHALL PROVIDE A 55-GALLON WATER TANK FOR THE DECONTAMINATION UNIT.
- THE CONTRACTOR SHALL UTILIZE GFCI PANEL CONNECTIONS AT THE SOURCE OUTLET WHEN ACCESSING TEMPORARY POWER.
- CONTRACTOR SHALL SUPPLY ALL NECESSARY CONNECTIONS, FASTENERS, FLEXIBLE DUCTS, MANIFOLDS, SUPPORTS, ETC. ANY AND ALL INSTALLATIONS SHALL COMPLY WITH CONTRACT DOCUMENTS AND MANUFACTURER'S REQUIREMENTS.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE TEMPORARY WATER AND POWER SOURCES PRIOR TO ABATEMENT ACTIVITIES.
- DEBRIS RESULTING FROM ANY DEMOLITION AND/OR ASBESTOS ABATEMENT ACTIVITIES SHALL BE DISPOSED OF AS ASBESTOS CONTAMINATED WASTE.
- NO WASTE SHALL BE STORED ON SITE OR INSIDE THE DECONTAMINATION UNIT BETWEEN SHIFTS. WASTE SHALL BE DOUBLE BAGGED BEFORE PROCEEDING TO THE CONTAINER AND/OR DECON. BAGS WILL BE MOVED FROM WORK AREAS TO THE WASTE DECON AND SUBSEQUENTLY TO THE CONTAINER IN COVERED CARTS. BAGS WILL BE CARRIED BY HAND ONLY WHEN NECESSARY. ALL WASTE SHALL BE CONTAINERIZED AT THE END OF EACH WORK SHIFT BEFORE RELINQUISHING TO WASTE HAULER.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE AND CONFIRM THE EXACT SCOPE OF WORK FOR EACH PHASE OF ABATEMENT WITH THE GENERAL CONTRACTOR AND OTHER TRADES.
- CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, TOOLS, TRANSPORTATION AND ANY OTHER EQUIPMENT REQUIRED AND/OR NECESSARY TO COMPLETE ALL WORK DESCRIBED IN THE CONTRACT DOCUMENTS.
- THE LOCATION OF THE PERSONAL/WASTE DECONTAMINATION UNITS, AIRLOCKS, ETC. IS SHOWN FOR REFERENCE PURPOSES. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD.

BEFORE FABRICATION THIS CONTRACTOR SHALL
VERIFY ALL MEASUREMENTS AND CONDITIONS ON
JOB AND COORDINATE HIS WORK WITH THE WORK
OF ALL OTHER CONTRACTORS

DRAWING	
H001.00	ASBESTOS ABATEMENT LOCATIONS - GENERAL NOTES
H002.00	ASBESTOS ABATEMENT LOCATIONS FOR BASE BID - ROOF PLAN
H003.00	ASBESTOS ABATEMENT LOCATIONS FOR ADD ALTERNATE 1 - ROOF PLAN

ROOF
REPLACEMENT
AT
WESTORCHARD
ELEMENTARY
SCHOOL
CHAPPAQUA CENTRAL
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CONSTRUCTION DOCUMENTS

SED Control No. 66-10-04-06-0-013-013

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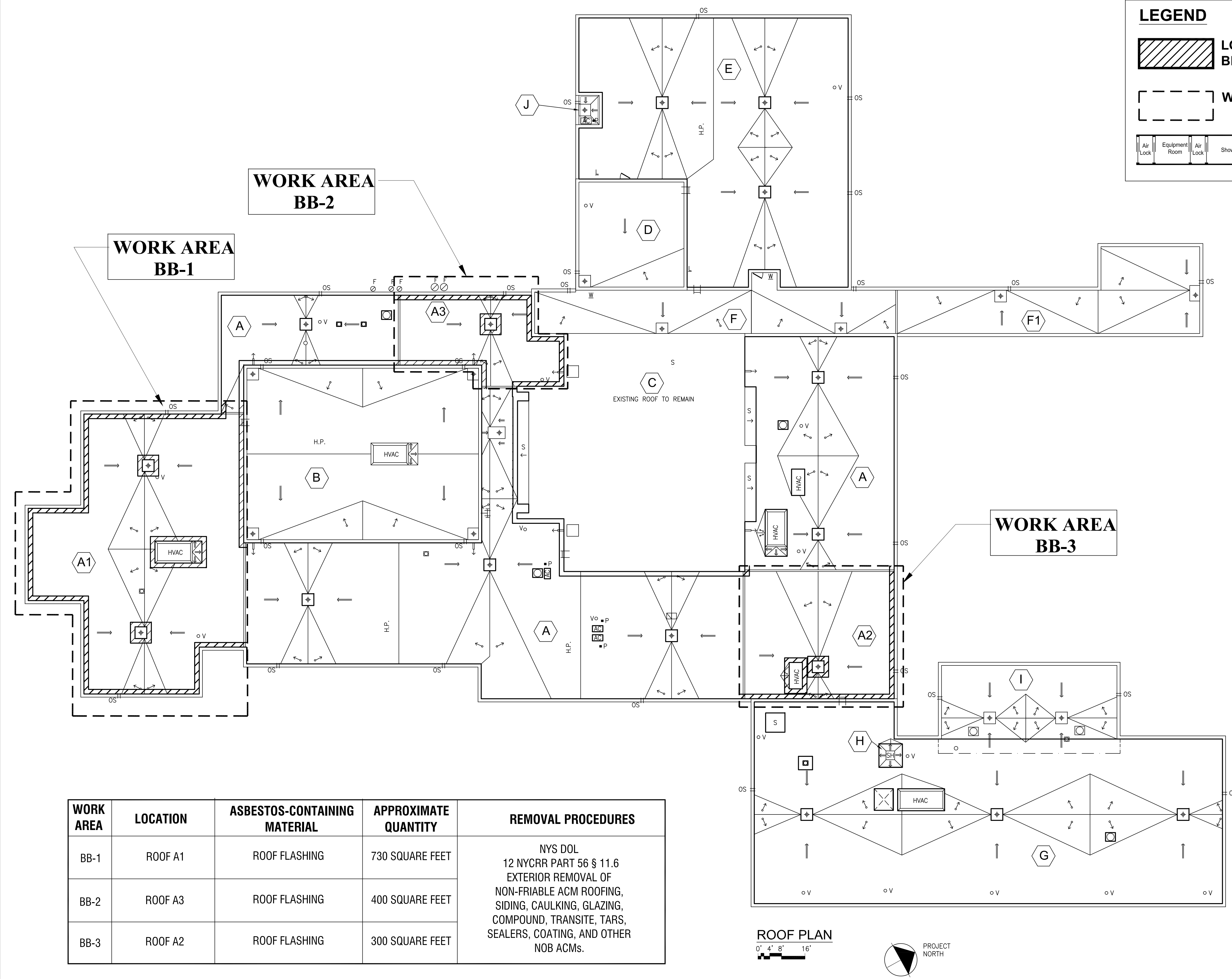
2	07/22/2021	ISSUE FOR BID
1	06/22/2021	SED ISSUE
No.	Date	Issue

Sheet Title

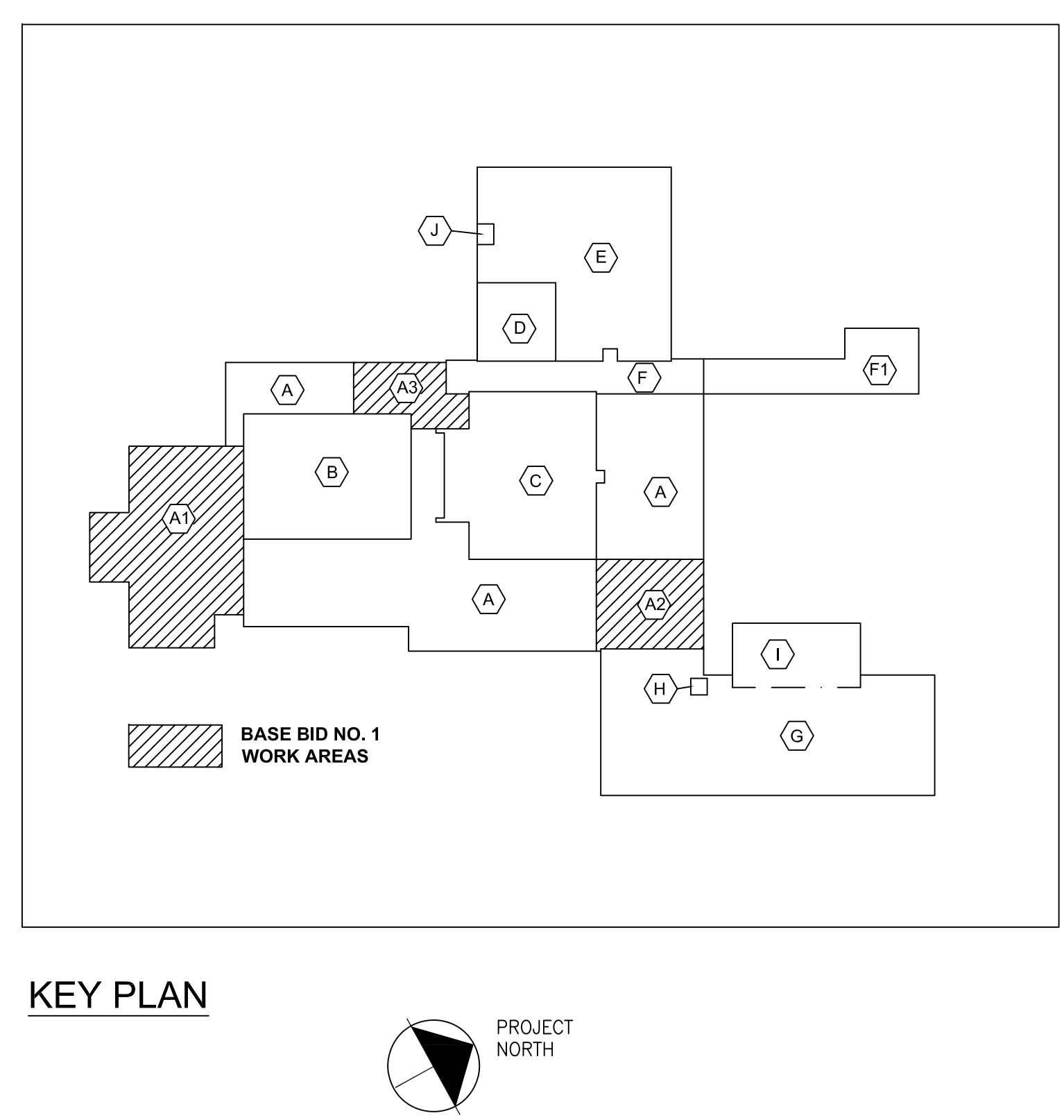
ASBESTOS ABATEMENT
GENERAL NOTES

Job No. 31402629.074	Sheet No.
Date 07/22/2021	H001.00
Scale AS NOTED	
Drawn/Checked JP MG	

PROJECT DESIGNER: STEVEN EGET NYS CERT. # 06-06432



WORK AREA	LOCATION	ASBESTOS-CONTAINING MATERIAL	APPROXIMATE QUANTITY	REMOVAL PROCEDURES
BB-1	ROOF A1	ROOF FLASHING	730 SQUARE FEET	NYS DOL 12 NYCRR PART 56 § 11.6 EXTERIOR REMOVAL OF NON-FRIABLE ACM ROOFING, SIDING, CAULKING, GLAZING, COMPOUND, TRANSITE, TARPS, SEALERS, COATING, AND OTHER NOB ACMs.
BB-2	ROOF A3	ROOF FLASHING	400 SQUARE FEET	
BB-3	ROOF A2	ROOF FLASHING	300 SQUARE FEET	



BEFORE FABRICATION THIS CONTRACTOR SHALL
VERIFY ALL MEASUREMENTS AND CONDITIONS ON
JOB AND COORDINATE HIS WORK WITH THE WORK
OF ALL OTHER CONTRACTORS

PROJECT DESIGNER: STEVEN EGET NYS CERT. # 06-06432

ROOF
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CONSTRUCTION DOCUMENTS

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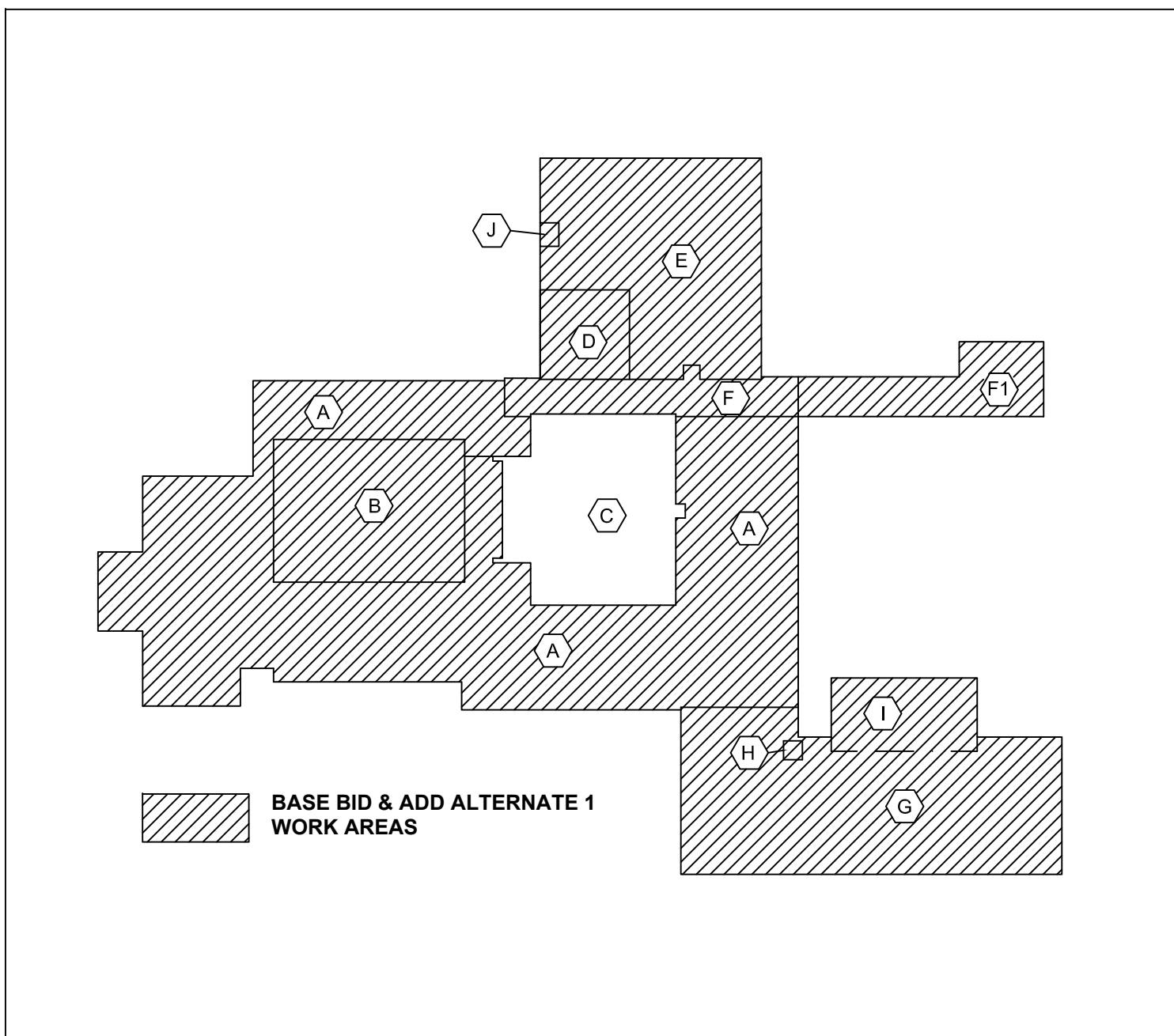
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2	07/22/2021	ISSUE FOR BID
1	06/22/2021	SED ISSUE
No.	Date	Issue

ASBESTOS ABATEMENT
LOCATIONS FOR BASE
BID
ROOF PLAN

Job No. 31402629.074	Sheet No. H002.00
Date 07/22/2021	Scale AS NOTED
Drawn/Checked JP MG	

NOTE:
THIS DRAWING SHOWS THE FULL SCOPE OF ACM REMOVALS
FOR BASE BID & ADD ALTERNATE 1.
THE VALUE OF ACM REMOVAL WORK WITHIN THE ADD
ALTERNATE 1 PROPOSAL SHALL INCLUDE THE FULL SCOPE
OF ACM REMOVALS LESS THE BASE BID ACM REMOVAL
WORK SHOWN ON H002.00



KEY PLAN



WORK AREA
AA1-4

WORK AREA
AA1-2

WORK AREA
AA1-1

WORK AREA
AA1-3

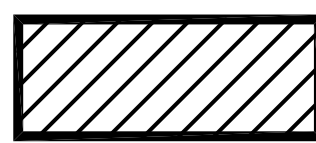
ROOF PLAN

0' 4' 8' 16'

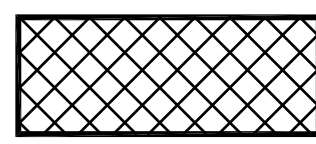


WORK AREA	LOCATION	ASBESTOS-CONTAINING MATERIAL	APPROXIMATE QUANTITY	REMOVAL PROCEDURES
AA1-1	ROOF A , A1, A2, AND A3	ROOF FLASHING AND SKYLIGHT FLASHING	3,500 SQUARE FEET	NYS DOL 12 NYCRR PART 56 § 11.6 EXTERIOR REMOVAL OF NON-FRIABLE ACM ROOFING, SIDING, CAULKING, GLAZING, COMPOUND, TRANSITE, TAR, SEALERS, COATING, AND OTHER NOB ACMs.
AA1-2	ROOF F, AND F1	ROOF FLASHING AND TAR VAPOR BARRIER	5,000 SQUARE FEET	
AA1-3	ROOF G	ROOF FLASHING	1,300 SQUARE FEET	
AA1-4	ROOF E, D AND J	ROOF FLASHING	1,280 SQUARE FEET	NYS DOL 12 NYCRR PART 56 § 7.11 (ii) TENT PROCEDURES
	MECHANICAL ROOM BELOW ROOF D	ASSUMED ACM DRAIN BOWL INSULATION	2 SQUARE FEET	

LEGEND



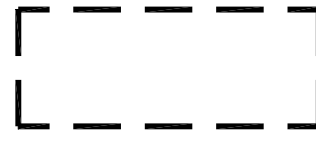
LOCATION OF ASBESTOS CONTAINING ROOF FLASHING, BLACK



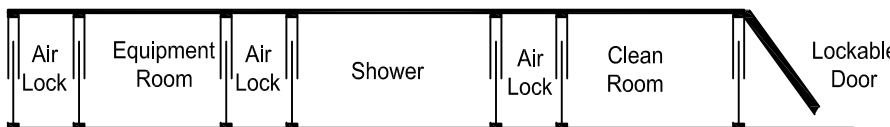
LOCATION OF ASBESTOS CONTAINING TAR VAPOR BARRIER, BLACK AND ROOF FLASHING, BLACK



LOCATION OF ASSUMED ASBESTOS CONTAINING DRAIN BOWL INSULATION IN MECHANICAL ROOM BELOW ROOF



WORK AREA BOUNDARY



TYPICAL DECONTAMINATION UNIT

DECK TYPE CHART & INSULATION REQUIREMENTS					
ROOF AREA	DECK TYPE	STARTING THICKNESS OF NEW INSULATION	MINIMUM R-VALUE OF NEW INSULATION	AVERAGE THICKNESS OF NEW INSULATION	AVERAGE R-VALUE OF NEW INSULATION
A	METAL	5.5"	30	7.3"	42.8
A1	METAL	5.5"	30	7.5"	44.1
A2	METAL	5.5"	30	7.1"	41.6
A3	METAL	5.5"	30	7.3"	42.8
B	METAL	5.5"	30	7.3"	42.8
C	EXISTING ROOFING TO REMAIN				
D	CONCRETE	5.5"	30	7.7"	45.3
E	CONCRETE	5.5"	30	6.9"	37.4
F	CONCRETE	5.5"	30	6.4"	40.4
F1	CONCRETE	1.5"	-	-	-
G	METAL	5.5"	30	7.6"	44.7
H	METAL	5.5"	30	5.7"	33.3
I	METAL	5.5"	30	6.4"	40.4
J	CONCRETE	5.5"	30	5.7"	33.3

- NOTES:
- INSTALL INSULATION WITH A MINIMUM R-VALUE OF 30 FOR CONTINUOUS INSULATION ENTIRELY ABOVE THE DECK, TO MEET THE NYS ENERGY CONSERVATION CONSTRUCTION CODE, INCLUDING THE INTERNATIONAL ENERGY CONSERVATION CODE AND THE NY STATE SUPPLEMENT, FOR A BUILDING IN CLIMATE ZONE 4.
 - INSTALL TAPERED ISOCYANURATE INSULATION THAT SLOPES 1/8 INCH PER FOOT; MINIMUM STARTING THICKNESS 5-1/2 INCHES UNLESS OTHERWISE NOTED. INSTALL THE ISOCYANURATE INSULATION IN MULTIPLE LAYERS, WITH THE THICKEST LAYER BEING 4 INCHES. STAGGER ALL JOINTS BETWEEN LAYERS 12 INCHES.
 - INSTALL ISOCYANURATE INSULATION CRICKETS UNDER THE TAPERED INSULATION.
 - INSTALL A COVER BOARD USING LOW RISE FOAM ADHESIVE OVER THE INSULATION AND CRICKETS.
 - AREA 'F1' IS A ROOF OVER AN OUTDOOR SPACE, R-VALUE CALCULATIONS ARE NOT REQUIRED.

CODE COMPLIANCE REQUIREMENTS:

- INSTALL NEW ROOFING TO MEET THE FOLLOWING MINIMUM REQUIREMENTS:
 - NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, WHICH INCLUDES BY REFERENCE THE NEW YORK STATE ENERGY CONSERVATION CODE.
 - UNDERWRITERS LABORATORIES INC. CLASS A EXTERNAL FIRE RATING FOR ROOF ASSEMBLIES TESTED IN ACCORDANCE WITH ASTM E 108 OR UL 790.
 - UNDERWRITERS LABORATORIES INC. STANDARD 1256 FOR ROOF ASSEMBLIES WITH FOAM INSULATION.
- INSTALL ROOFING TO COMPLY WITH THE WIND UPLIFT REQUIREMENTS OF THE NY STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, BASED ON THIS CRITERIA:
RISK CATEGORY III
BASIC WIND SPEED 130 MPH
EXPOSURE CATEGORY B
BUILDING HEIGHT 30 FT.
- INSTALL ROOFING AS INDICATED TO RESIST THE FOLLOWING UPLIFT LOADS, CALCULATED IN ACCORDANCE WITH ASCE 7 USING A SAFETY FACTOR OF 2:
FIELD ZONE: 60 PSF
PERIMETER ZONE: 100 PSF
CORNER ZONE: 150 PSF
- FABRICATE AND INSTALL ROOF PERIMETER FLASHINGS THAT COMPLY WITH THE NY STATE UNIFORM FIRE PREVENTION AND BUILDING CODE AND WITH ANSI/SPRI ES-1 "WIND STANDARD FOR EDGE SYSTEMS USED WITH LOW SLOPE ROOFING SYSTEMS", ON A BUILDING USING THE CRITERIA DESCRIBED ABOVE.
- FABRICATE AND INSTALL WOOD BLOCKING COMPONENTS TO RESIST A FORCE OF 275 POUNDS PER LINEAL FOOT APPLIED IN ANY DIRECTION.

ROOF PROTECTION NOTES:

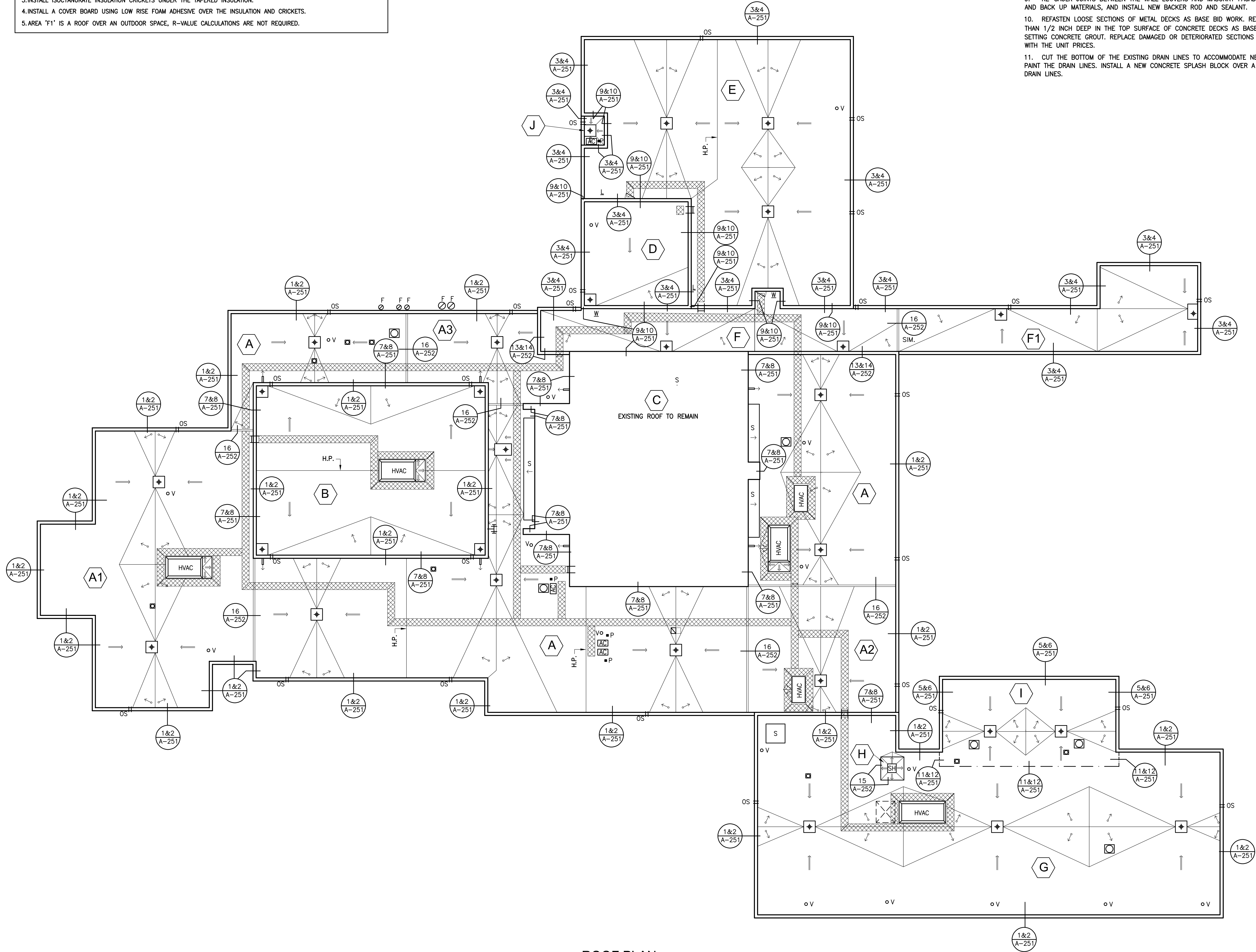
- AVOID WALKING ON NEW AND EXISTING N.I.C. ROOF AREAS.
- DO NOT STORE MATERIAL OR EQUIPMENT, AND DO NOT PILE DEBRIS ON NEW ROOF AREAS.
- INSTALL 1 INCH THICK EXTRUDED POLYSTYRENE INSULATION OVER 6 MIL FIRE RETARDANT POLYETHYLENE, COVERED WITH 2x10 WOOD PLANKS TO PROTECT ROOFING WHERE CONSTRUCTION WORK AND TRAFFIC WILL OCCUR.
- NEATLY CUT AND POSITION ROOF PROTECTION COMPONENTS TO FIT WITHIN 1/2 INCH OF ROOF PENETRATIONS, EAVES AND CHANGE IN ELEVATION WALLS.
- DO NOT COVER THE ROOF DRAINS. MAINTAIN THE ROOF DRAIN STRAINERS VISIBLE AND CLEAR AT ALL TIMES.

GENERAL NOTES:

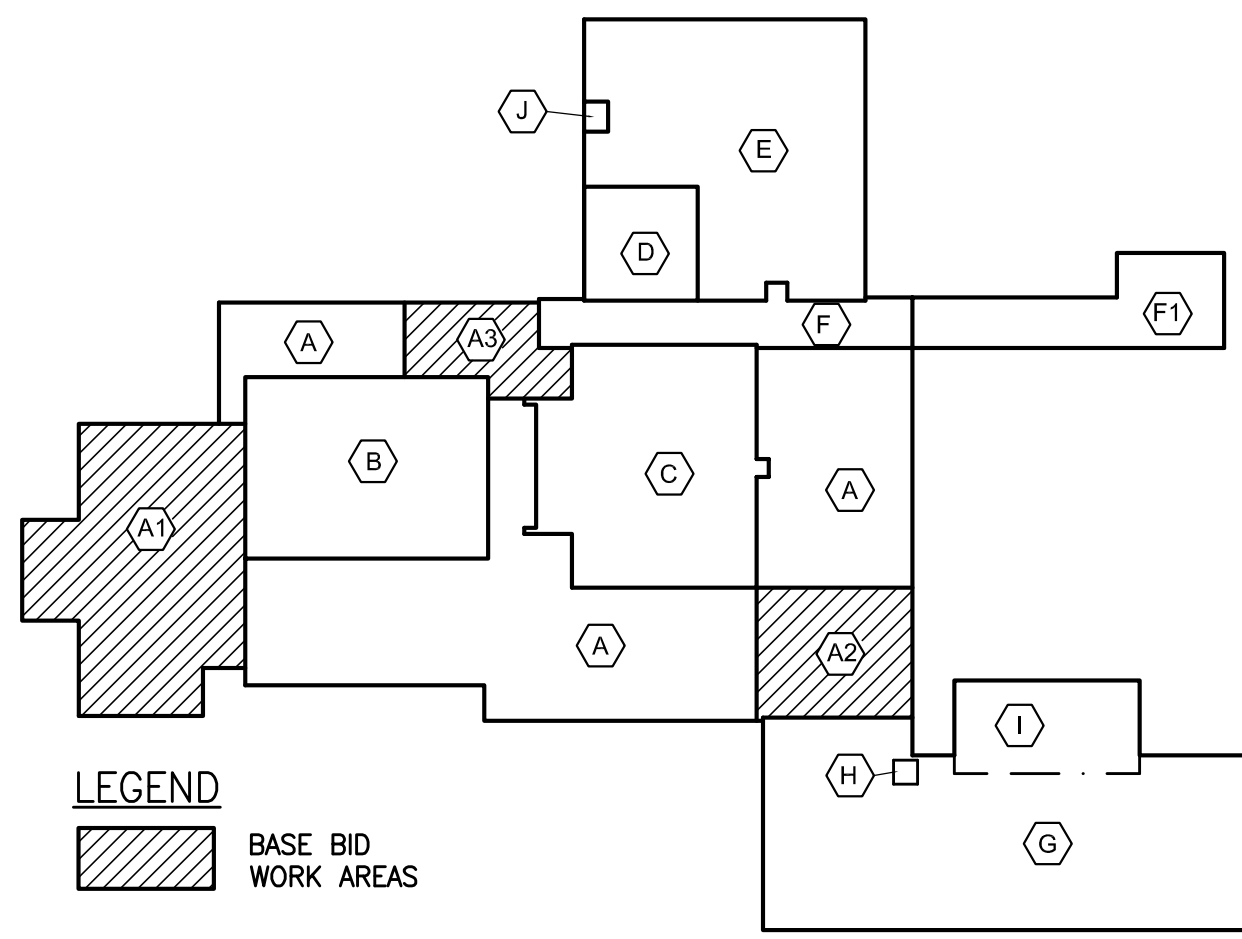
- DIMENSIONS AND CONDITIONS ON THE ROOF PLAN AND DETAILS ARE APPROXIMATE AND SHALL BE CONFIRMED BY THE CONTRACTOR.
- ONLY CERTAIN FASTENERS ARE SHOWN ON THE DRAWINGS, REFER TO THE SPECIFICATIONS FOR ADDITIONAL FASTENER REQUIREMENTS.
- TEST EACH DRAIN LINE WITH A RUNNING HOSE FOR AT LEAST ONE HOUR PRIOR TO STARTING ANY OTHER WORK ON SITE. PROVIDE A WRITTEN REPORT OF ANY CLOGGED LINES TO THE OWNER.
- CLOGGED DRAIN LINES REPORTED TO THE OWNER BEFORE WORK STARTS WILL BE CLEANED BY THE OWNER.
- COVER & PROTECT ALL DRAIN OPENINGS AT THE BEGINNING OF EACH WORK DAY. REMOVE THE COVERS AT THE END OF EACH DAY AND BEFORE PRECIPITATION OCCURS.
- PERFORM WHATEVER WORK IS REQUIRED SO ALL DRAIN LINES ARE CLEAN AND FREE FLOWING UPON COMPLETION OF THE PROJECT.
- REMOVE AND RESET EXISTING AC CONDENSERS ON 2 X 2 FOOT X 2 INCH THICK CONCRETE PAVERS SET ON WALKWAY PADS A MINIMUM OF 10 FT. AWAY FROM THE ROOF EAVE. FASTEN THE CONDENSERS TO THE PAVERS WITH STAINLESS STEEL NAIL-INS. DISCONNECT, ADJUST, MODIFY, AND RECONNECT THE EXISTING SUPPLY & RETURN LINES AND CONDUITS.
- REMOVE EXISTING ROOF TOP ELECTRICAL CONDUIT AND GAS PIPE SUPPORTS. RE-SET THE CONDUIT AND PIPES ON ADJUSTABLE HEIGHT FACTORY MANUFACTURED PIPE SUPPORTS PLACED ON WALKWAY PADS SPACED 5 FEET ON CENTER. SECURE THE CONDUITS AND PIPES TO THE PIPE SUPPORTS WITH GALVANIZED CLIPS & BOLTS.
- WIRE BRUSH, PRIME & PAINT ALL ROOF TOP EQUIPMENT HOUSINGS, ROOF ACCESS BULKHEAD DOORS & DOOR FRAMES (BOTH SIDES), GAS LINES, AND THE VENT PIPES. DO NOT PAINT OVER EQUIPMENT NAME PLATES AND LABELS.
- REPAIR EXHAUST EQUIPMENT HOUSINGS SO THEY ARE WATERTIGHT; REPLACE ANY MISSING PIECES.
- RE-CAULK ALL VERTICAL MASONRY CONTROL AND EXPANSION JOINTS IN THE CHANGE IN ELEVATION WALLS ABOVE LOWER LEVEL ROOFS. REMOVE EXISTING SEALANT AND BACK UP MATERIALS, AND INSTALL NEW BACKER ROD AND SEALANT.
- RE-CAULK JOINTS BETWEEN THE WALL LOUVERS AND MASONRY FACADE. REMOVE EXISTING SEALANT AND BACK UP MATERIALS, AND INSTALL NEW BACKER ROD AND SEALANT.
- REFASTEN LOOSE SECTIONS OF METAL DECKS AS BASE BID WORK. REPAIR SURFACE DEFECTS LESS THAN 1/2 INCH DEEP IN THE TOP SURFACE OF CONCRETE DECKS AS BASE BID WORK USING FAST SETTING CONCRETE GROUT. REPLACE DAMAGED OR DETERIORATED SECTIONS OF DECK IN ACCORDANCE WITH THE UNIT PRICES.
- CUT THE BOTTOM OF THE EXISTING DRAIN LINES TO ACCOMMODATE NEW ROOFING. PRIME AND PAINT THE DRAIN LINES. INSTALL A NEW CONCRETE SPLASH BLOCK OVER A WALKWAY PAD UNDER THE DRAIN LINES.

LEGEND:

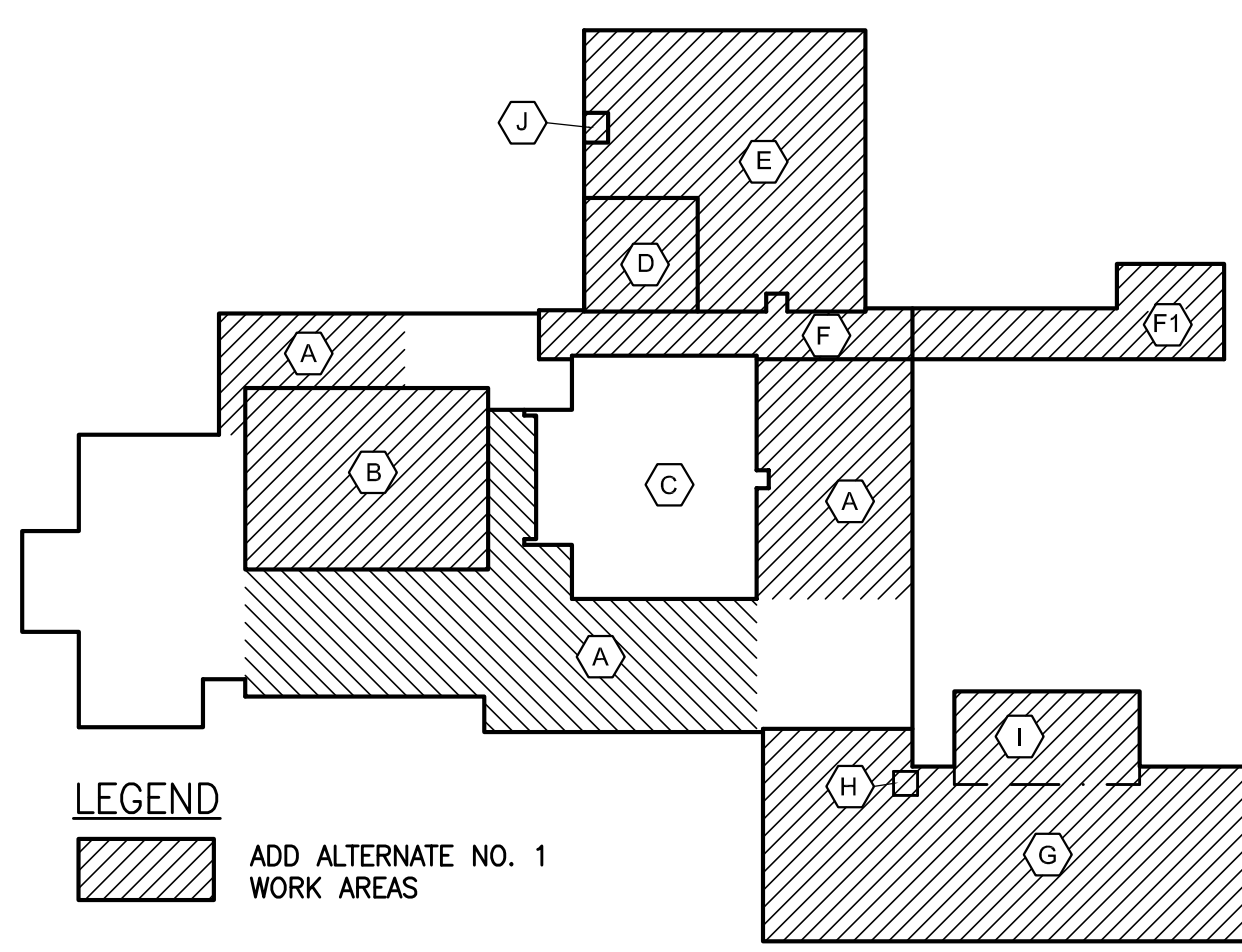
- LEGEND:
- ROOF AREA DESIGNATION
 - ROOF DRAIN (SEE DETS. 17 & 18/A-252)
 - VENT PIPE (SEE DET. 19/A-252)
 - SEALANT POCKET (SEE DET. 20/A-252)
 - HVAC CURB (SEE DET. 21/A-252)
 - HVAC CURB (SEE DETS. 22, 23 & 24/A-252)
 - SMOKE HATCH (SEE DET. 25/A-253)
 - SKYLIGHT (SEE DET. 26/A-253)
 - EXHAUST FAN (SEE DET. 27/A-253)
 - GOOSENECK (SEE DET. 28/A-253)
 - SLOPED SKYLIGHT (SEE DETS. 29-31/A-253)
 - OVERFLOW SCUPPER (SEE DET. 32/A-253)
 - ROOF ACCESS DOOR (SEE DET. 33/A-253)
 - WALL LOUVER (SEE DET. 33/A-253)
 - WINDOW (SEE DET. 33/A-253)
 - CAPPED CURB (SEE DET. 34/A-253)
 - NEW ROOF LADDER (SEE DET. 35/A-253)
 - AC UNIT (SEE NOTE 4)
 - BOTTOM OF DRAIN PIPE (SEE NOTE 11)
 - WEATHER VANE ANTENNA TO REMAIN
 - FLUE TO REMAIN
 - TAPERED ISOCYANURATE INSULATION, SLOPE 1/8"/FT. SEE R-VALUE CHART FOR MINIMUM STARTING THICKNESS
 - CRICKET- SLOPE 1/4"/FT
 - INSULATION HIGH POINT
 - WALKWAY PADS



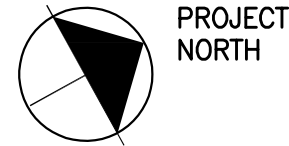
ROOF PLAN
0' 4' 8' 16'



KEY PLAN
N.T.S.



KEY PLAN
N.T.S.



ROOF REPLACEMENT AT WESTORCHARD ELEMENTARY SCHOOL

CHAPPAQUA CENTRAL SCHOOL DISTRICT
25 Granite Road
Chappaqua, NY 10514

KG+D architects
kaeyer, garment + davidson architects, pc
285 main street mount kisco, new york 10549
p.914.666.5900 f.914.666.0051 kgdarchitects.com

CONSTRUCTION DOCUMENTS

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ROOF PLAN

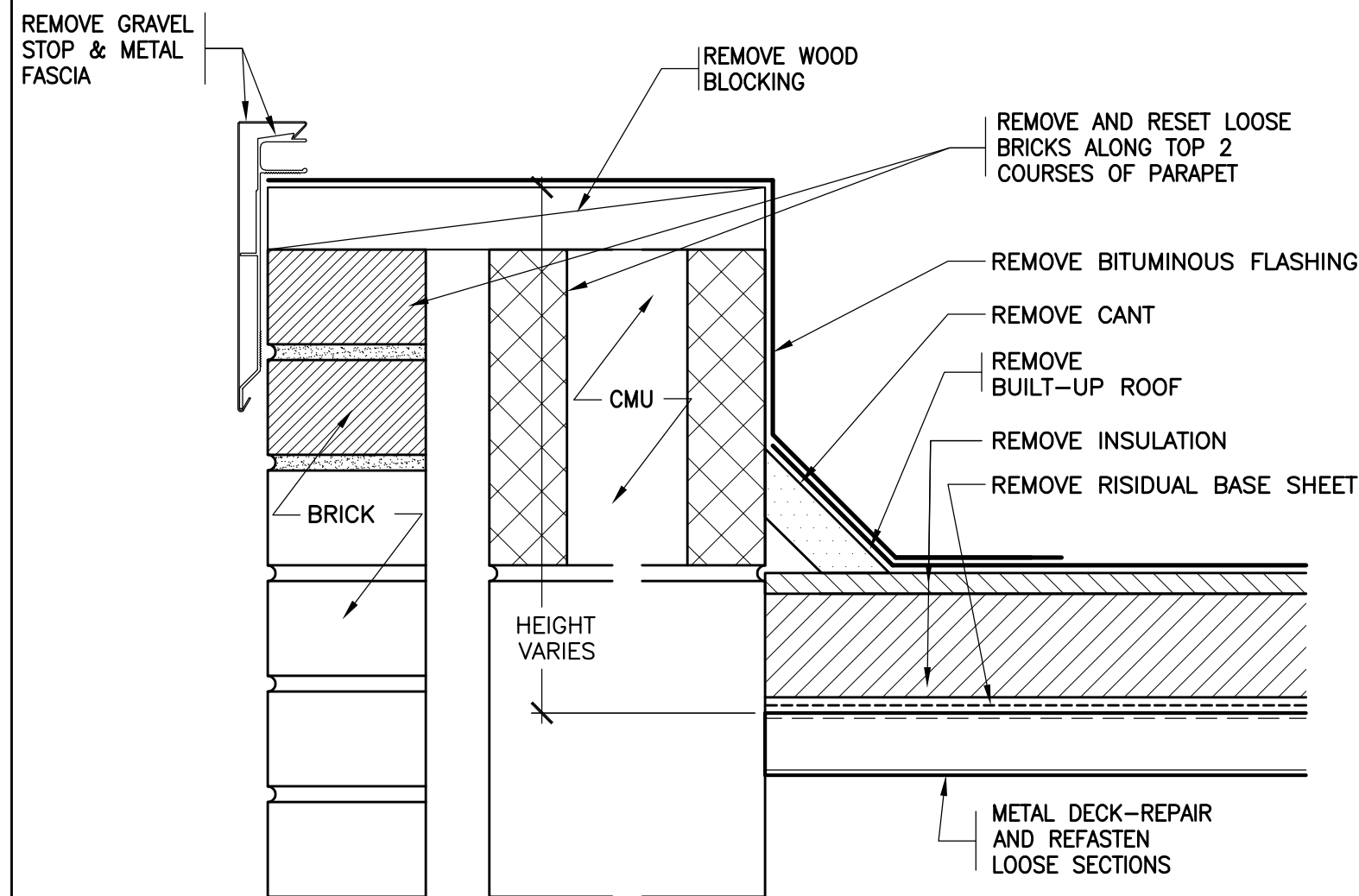
Job No.	2021-1039	Sheet No.
Date	06/22/2021	
Scale	AS NOTED	A-250
Drawn/Checked		

ROOF
REPLACEMENT
AT
WESTORCHARD
ELEMENTARY
SCHOOL
CHAPPAQUA CENTRAL
SCHOOL DISTRICT
25 Granite Road
Chappaqua, NY 10514

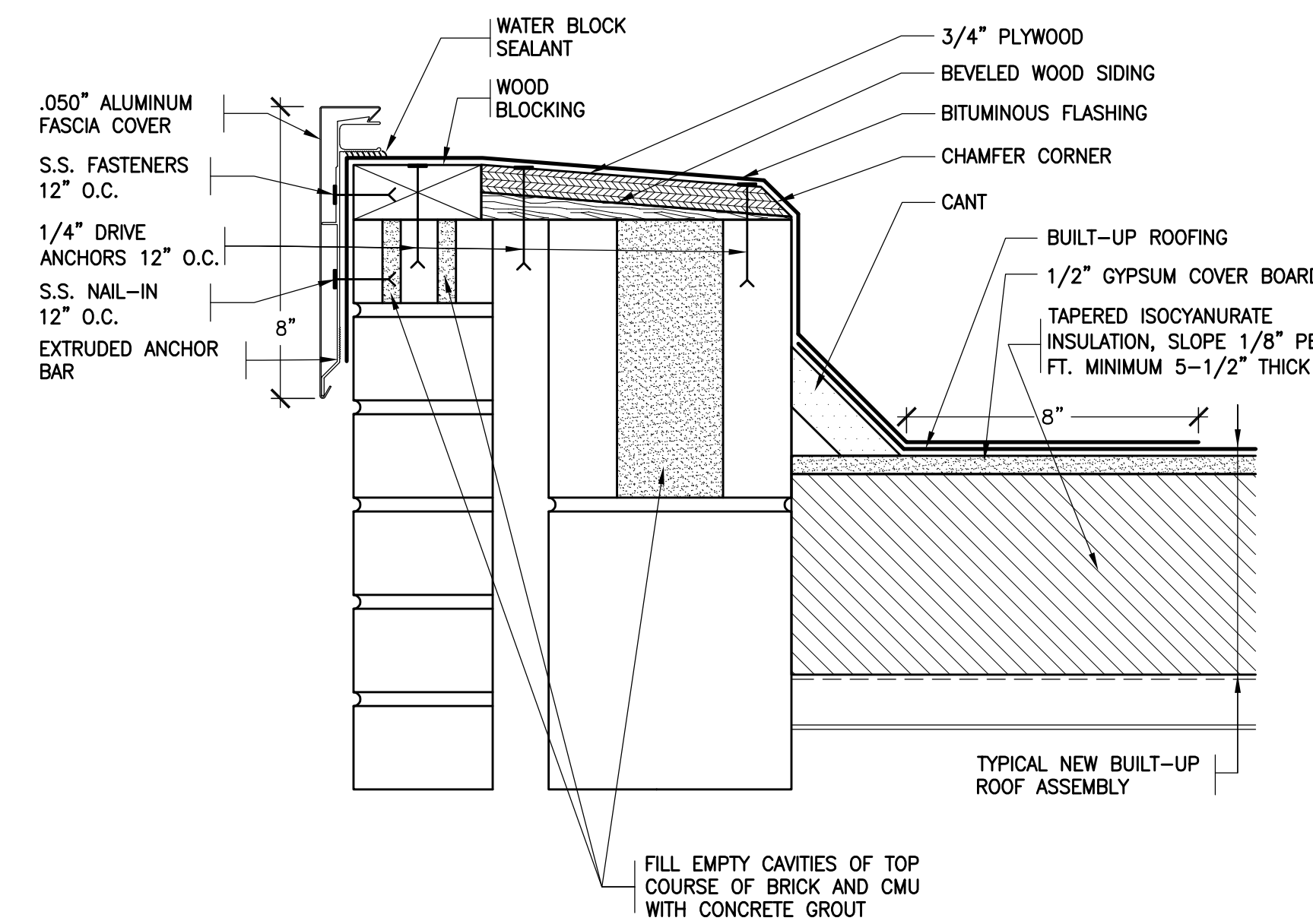
KG+D architects
kaeyer, garment + davidson architects, pc
285 main street mount kisco, new york 10549
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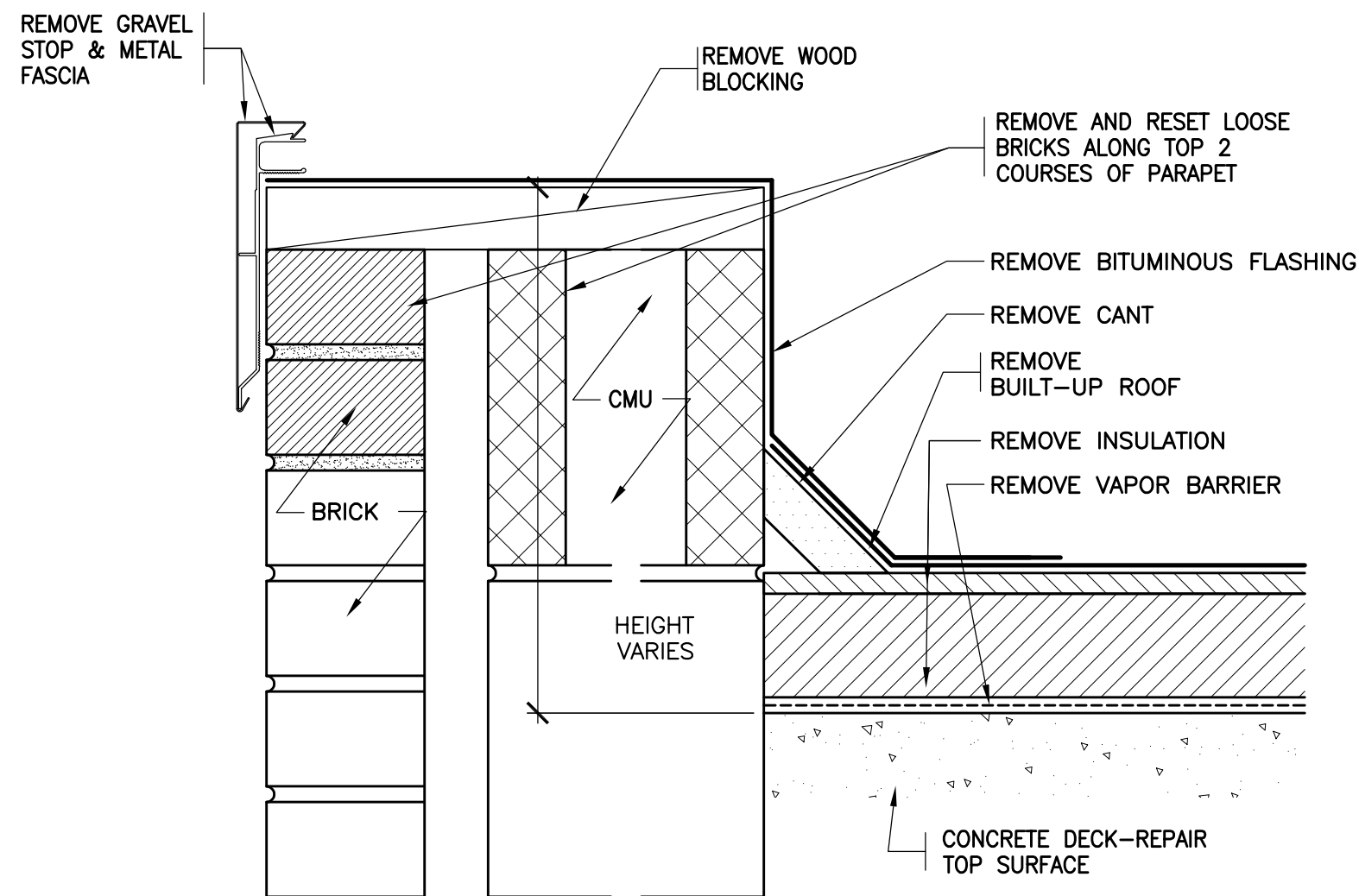
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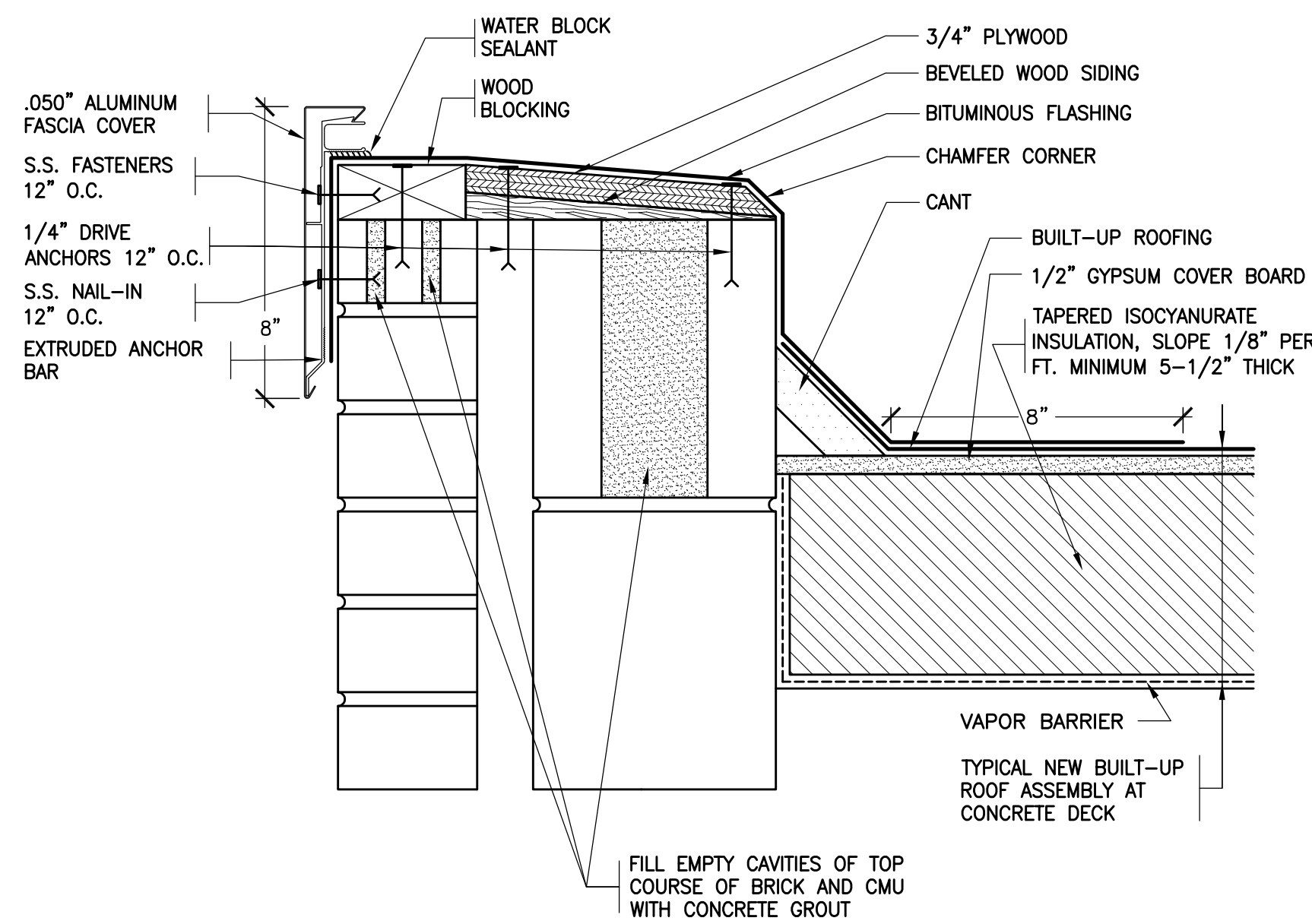
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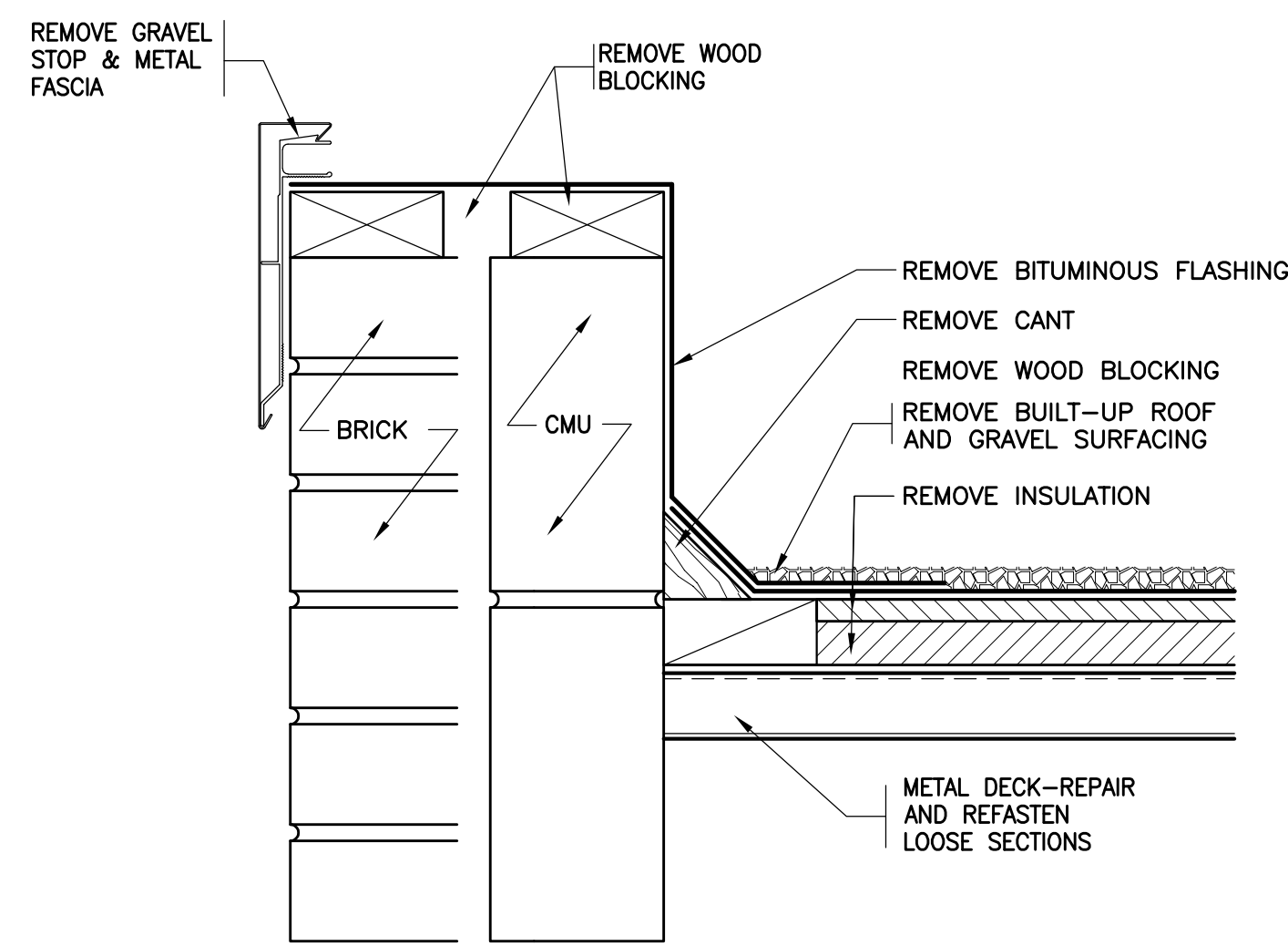
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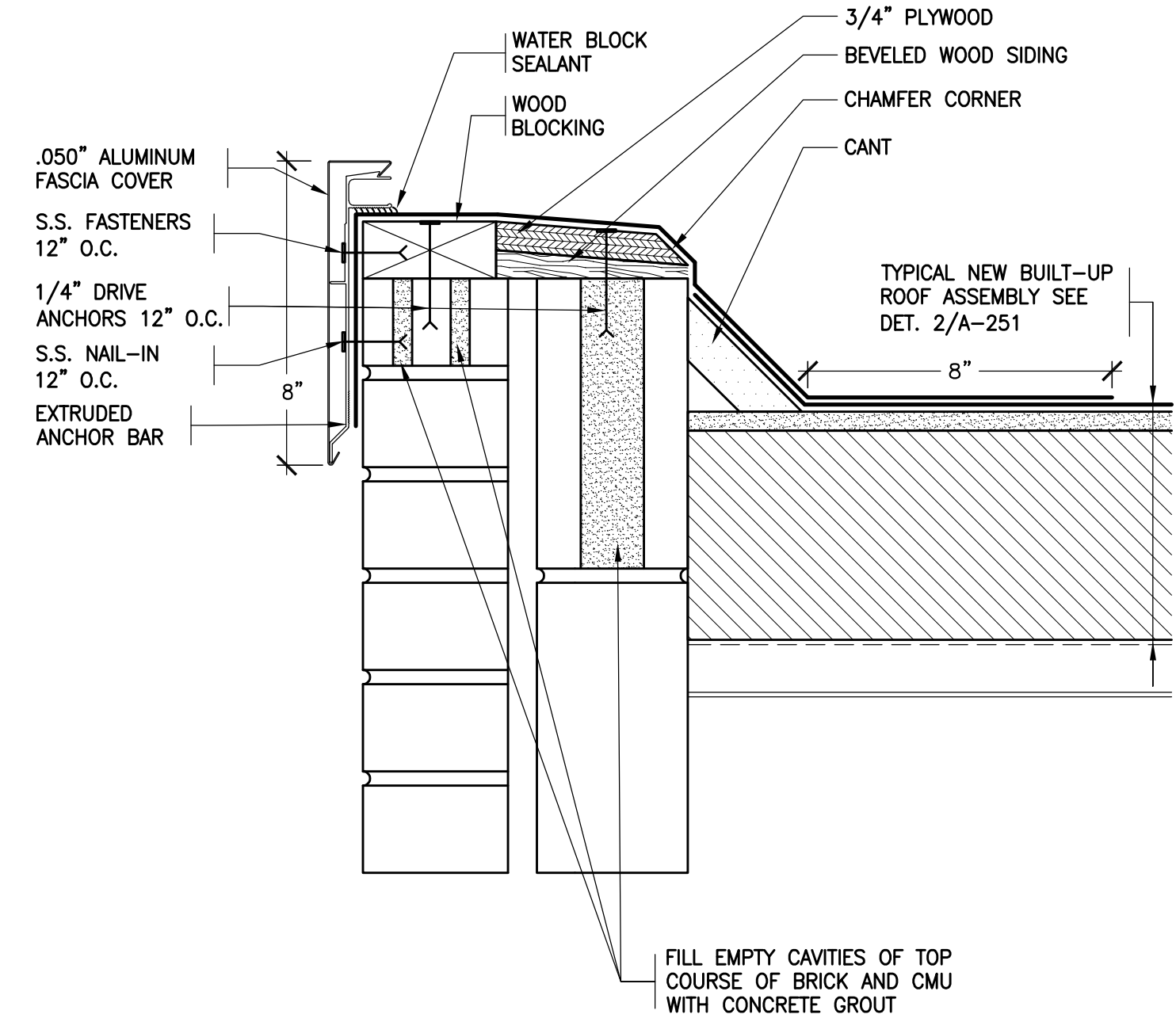
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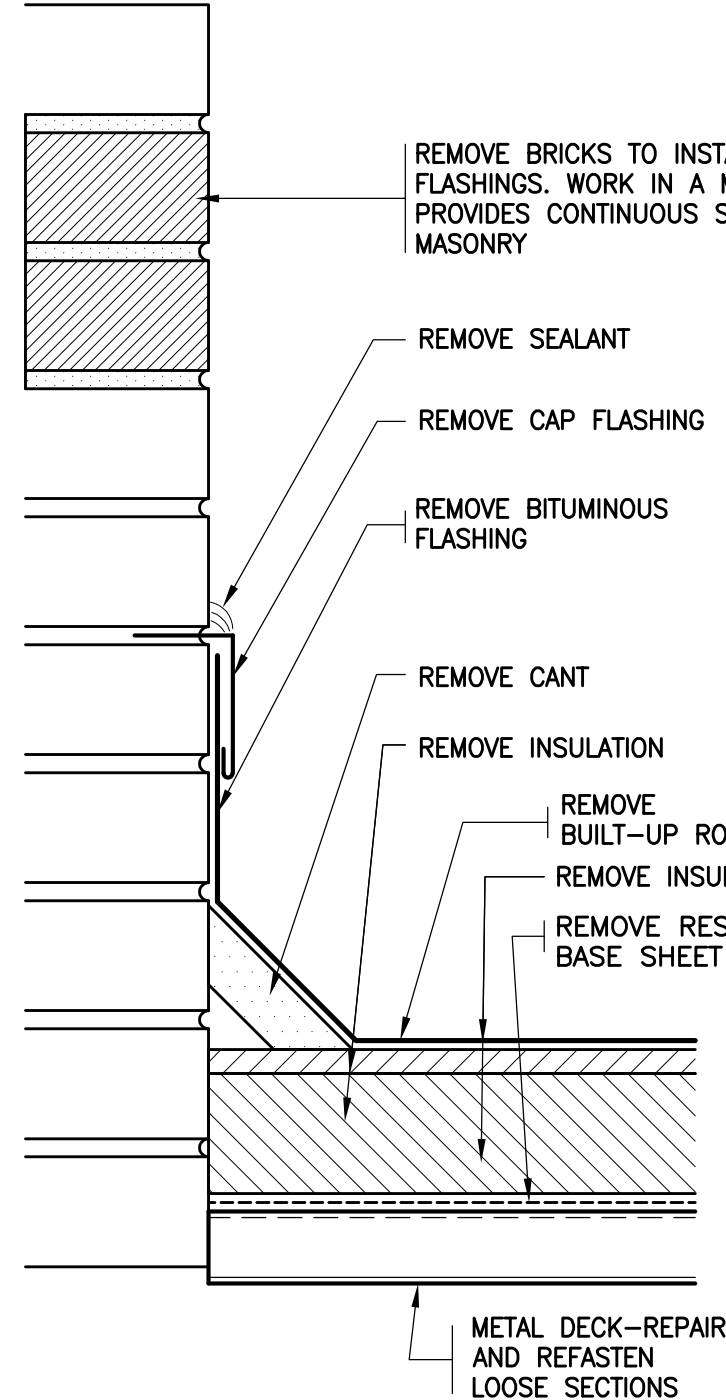
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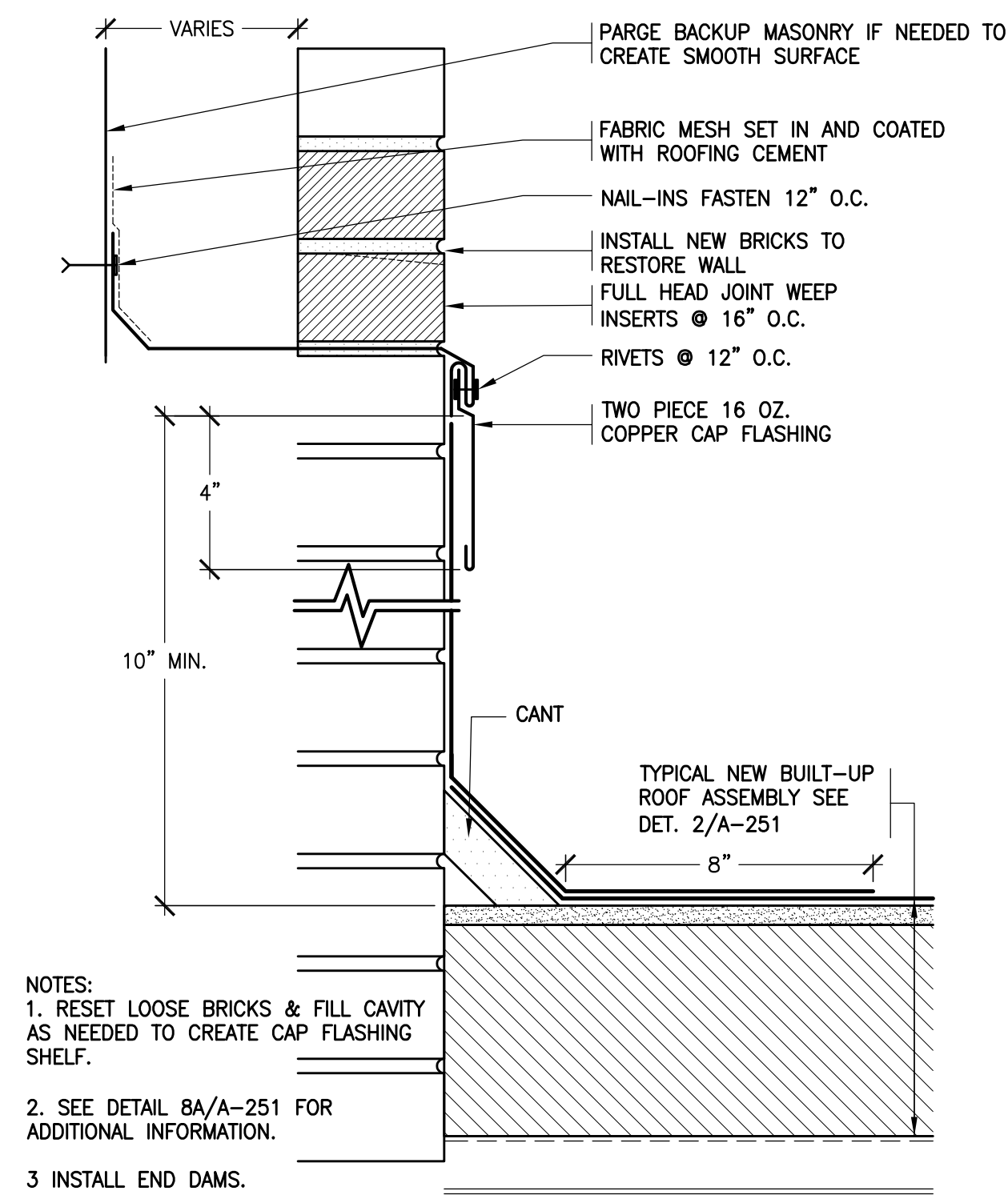
5 EXISTING PARAPET
SCALE: 3"=1'-0"



6 REVISED PARAPET
SCALE: 3"=1'-0"

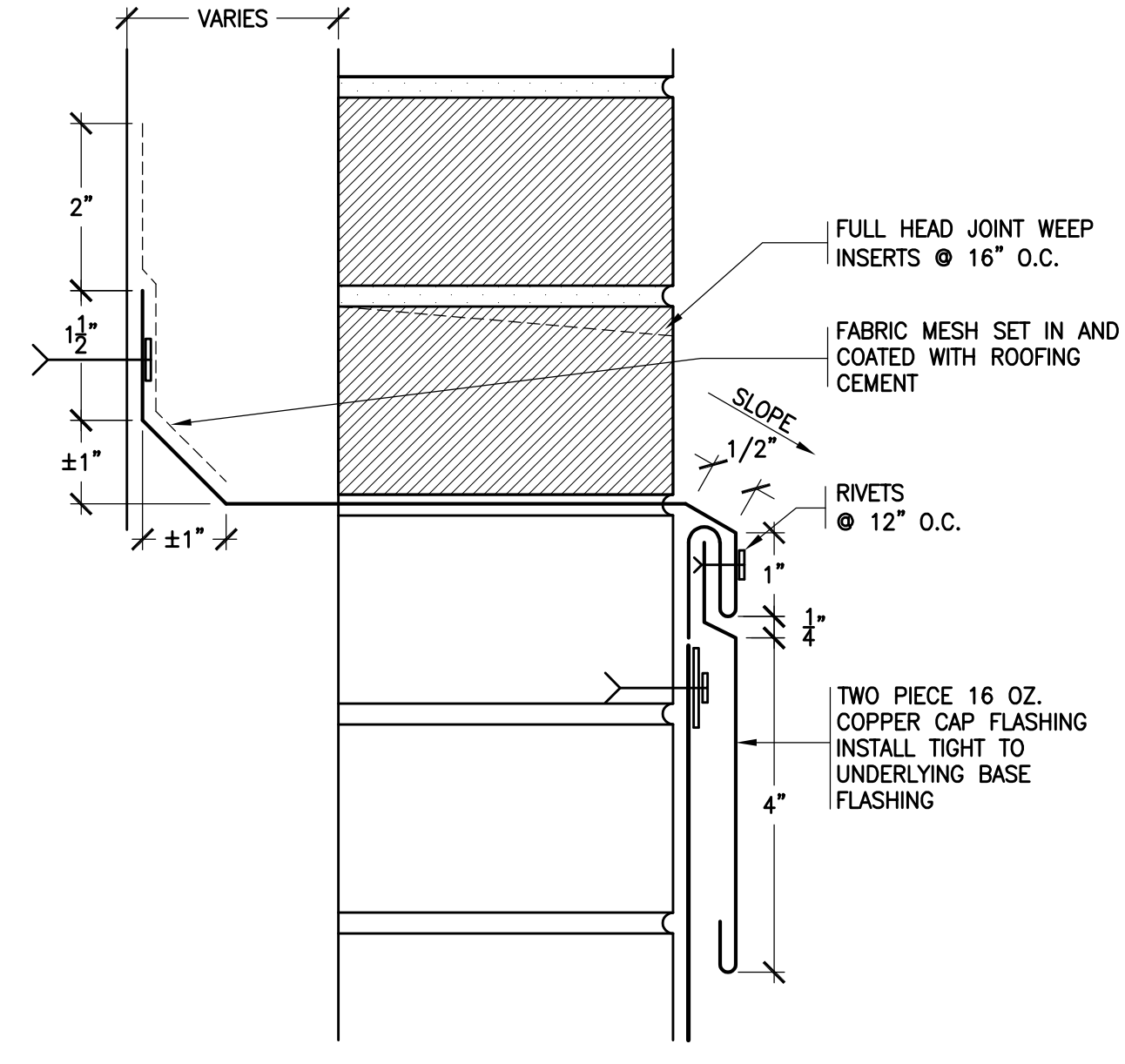


7 EXISTING BASE
SCALE: 3"=1'-0"

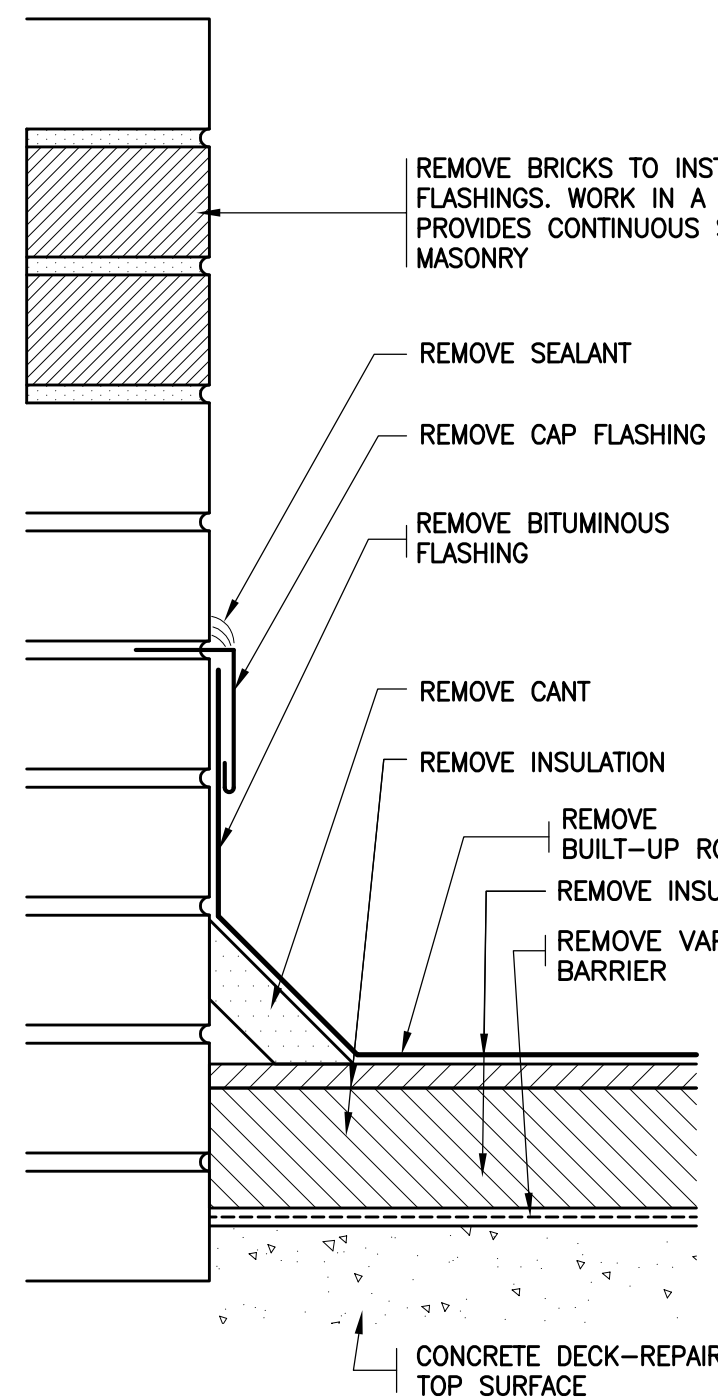


- NOTES:
1. RESET LOOSE BRICKS & FILL CAVITY AS NEEDED TO CREATE CAP FLASHING SHELF.
 2. SEE DETAIL 8A/A-251 FOR ADDITIONAL INFORMATION.
 3. INSTALL END DAMS.
 4. RIVET AND SOLDER ALL JOINTS IN THE CAP FLASHING INSIDE THE WALL. INSTALL RIVETS 1" O.C.
 5. INSTALL 2" WIDE SEALANT FILLED EXPANSION JOINTS 30'-0" O.C.

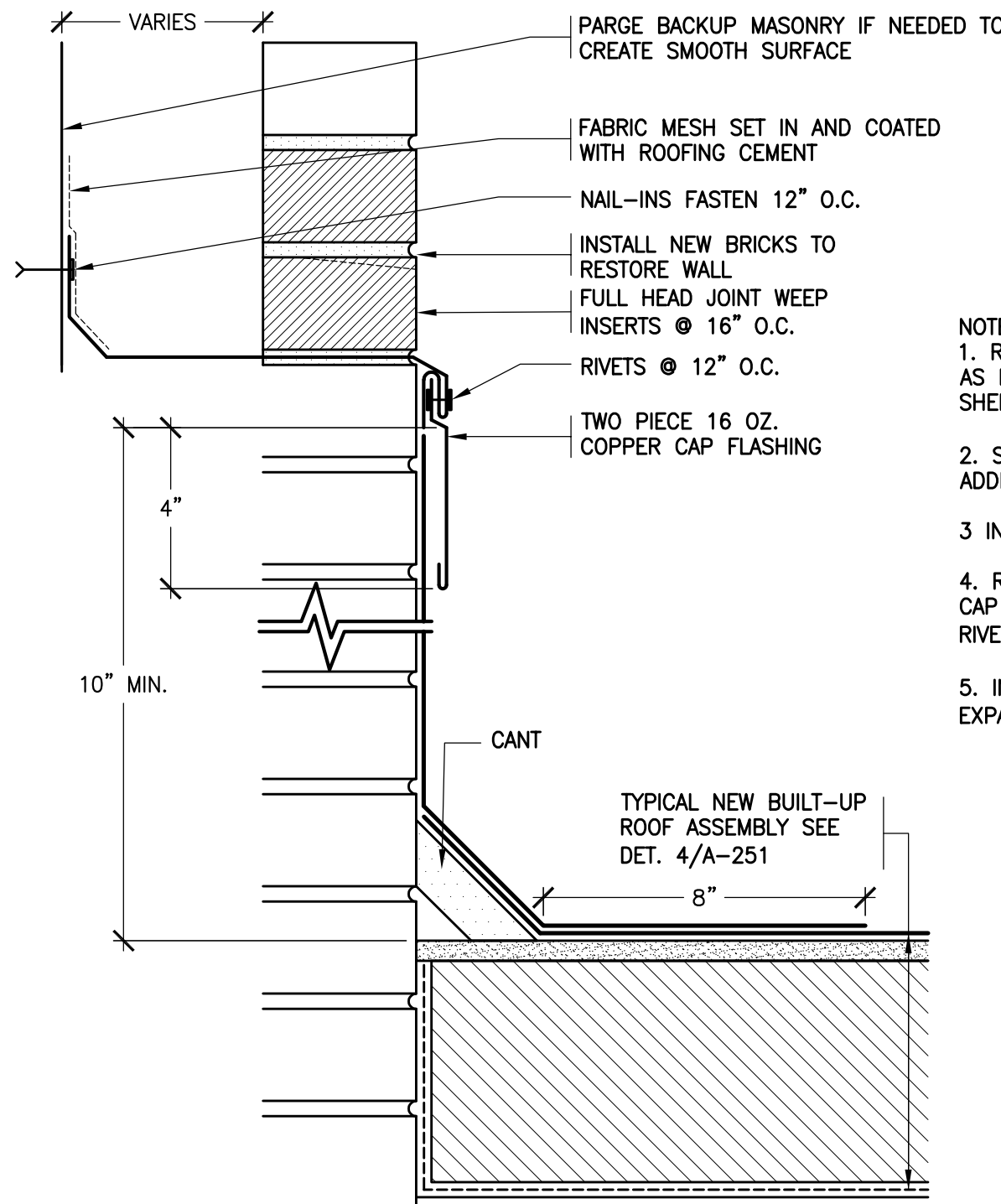
8 REVISED BASE
SCALE: 3"=1'-0"



8A REVISED CAP FLASHING
SCALE: 6"=1'-0"

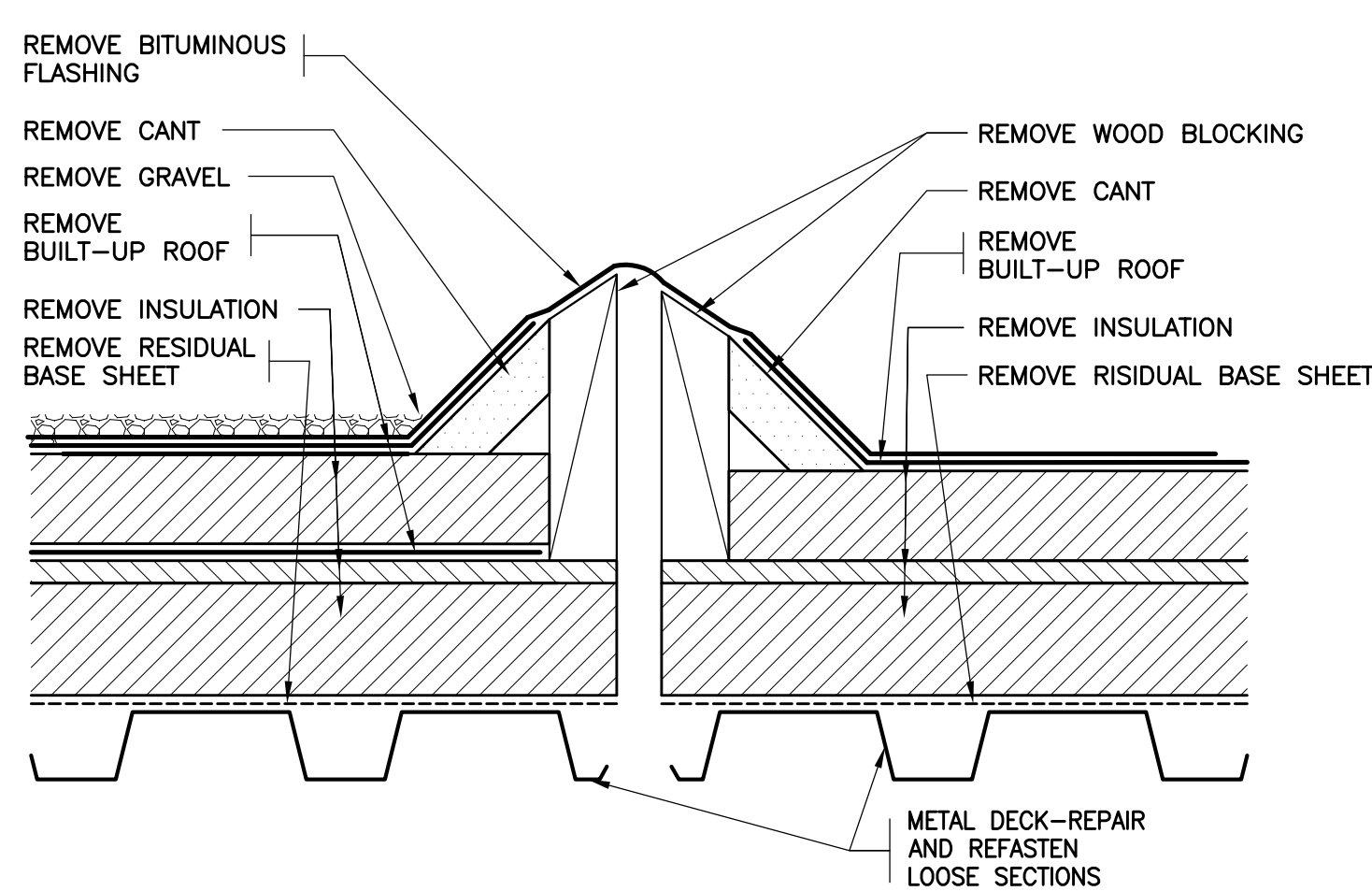


9 EXISTING BASE
SCALE: 3"=1'-0"

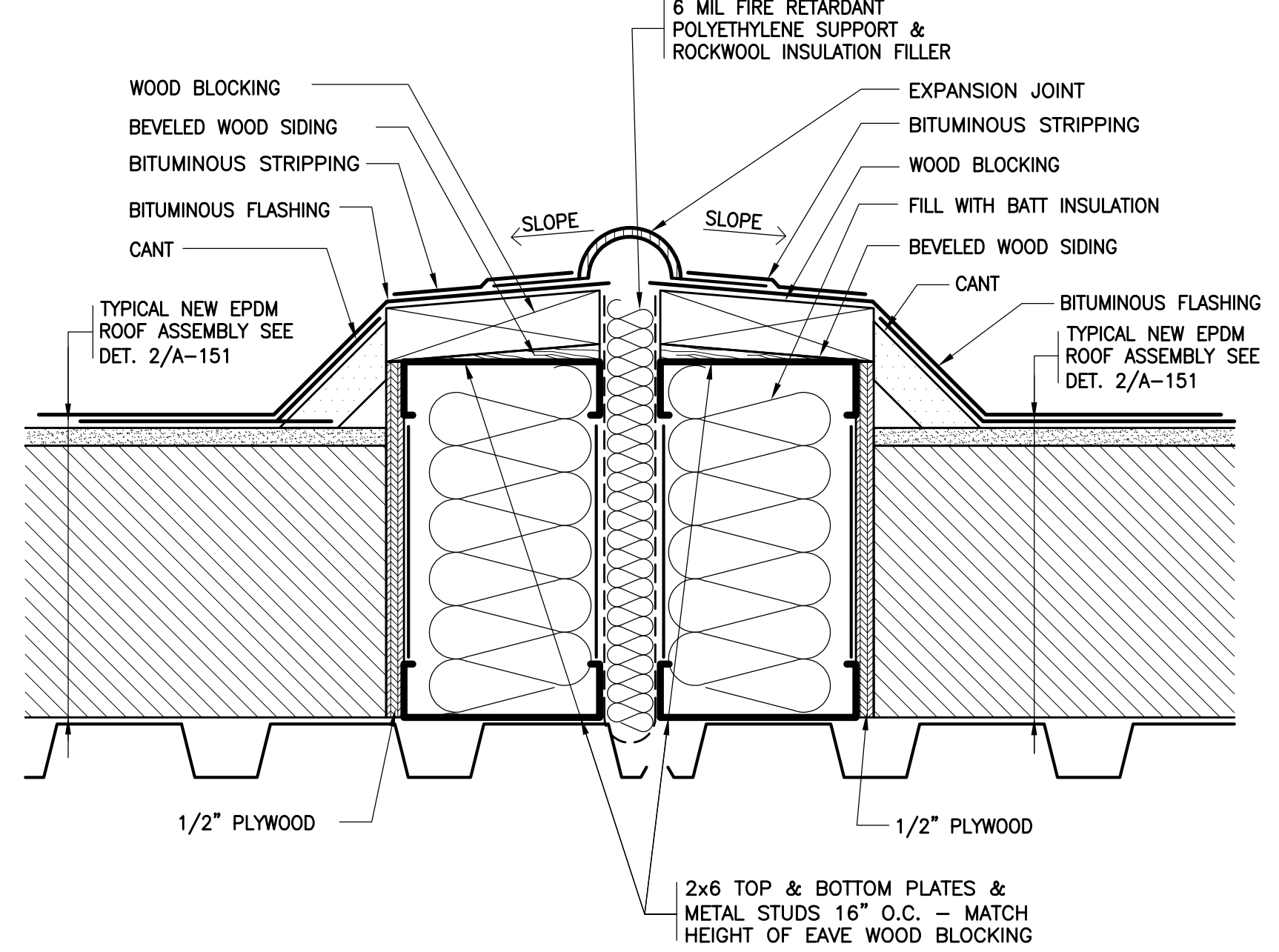


10 REVISED BASE
SCALE: 3"=1'-0"

- NOTES:
1. RESET LOOSE BRICKS & FILL CAVITY AS NEEDED TO CREATE CAP FLASHING SHELF.
 2. SEE DETAIL 8A/A-251 FOR ADDITIONAL INFORMATION.
 3. INSTALL END DAMS.
 4. RIVET AND SOLDER ALL JOINTS IN THE CAP FLASHING INSIDE THE WALL. INSTALL RIVETS 1" O.C.
 5. INSTALL 2" WIDE SEALANT FILLED EXPANSION JOINTS 30'-0" O.C.



11 EXISTING EXPANSION JOINT
SCALE: 3"=1'-0"



12 REVISED EXPANSION JOINT
SCALE: 3"=1'-0"

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

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No.	Date	Issue

Sheet Title

ROOF DETAILS

Job No.

2021-1039

Sheet No.

Date

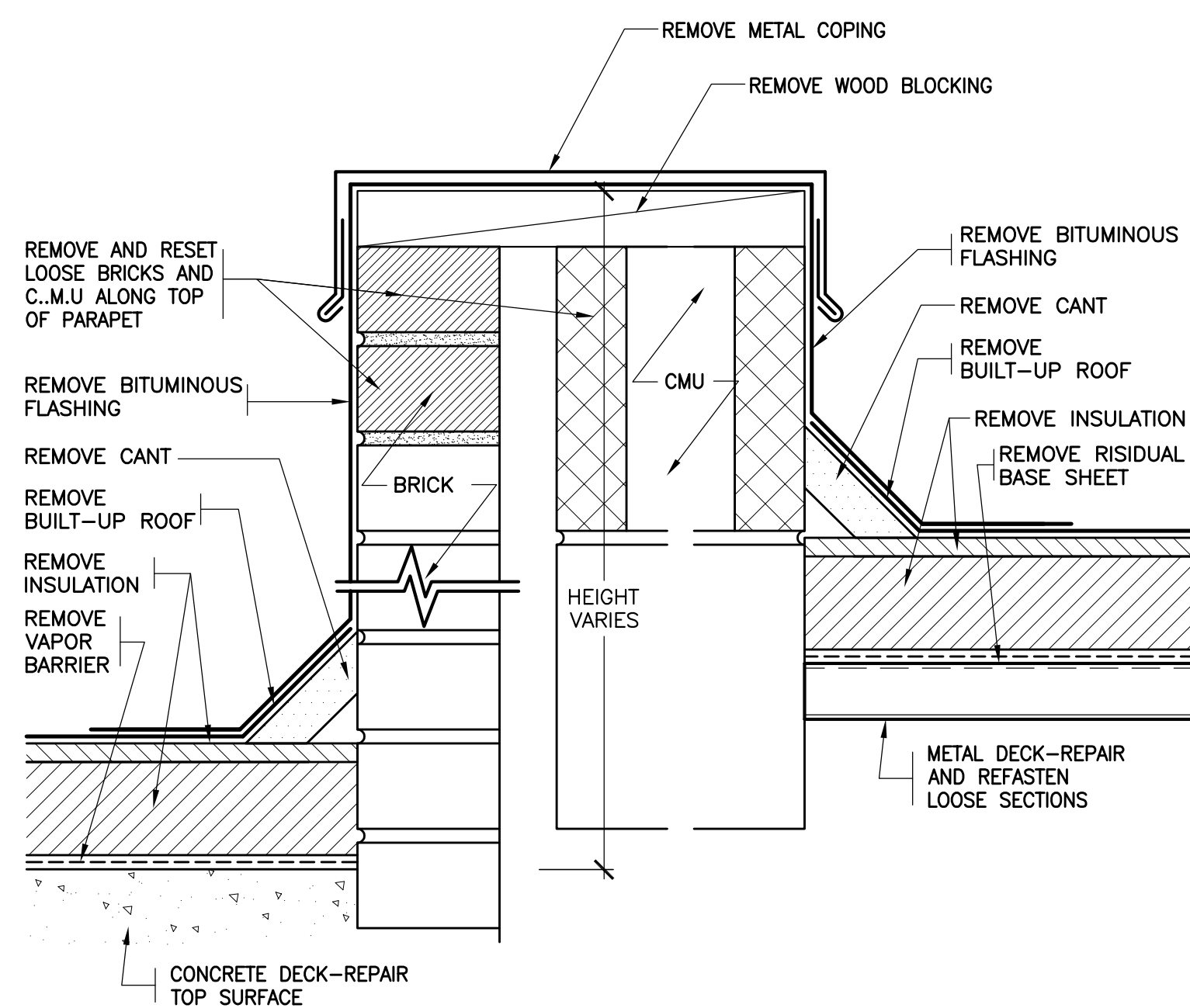
06/22/2021

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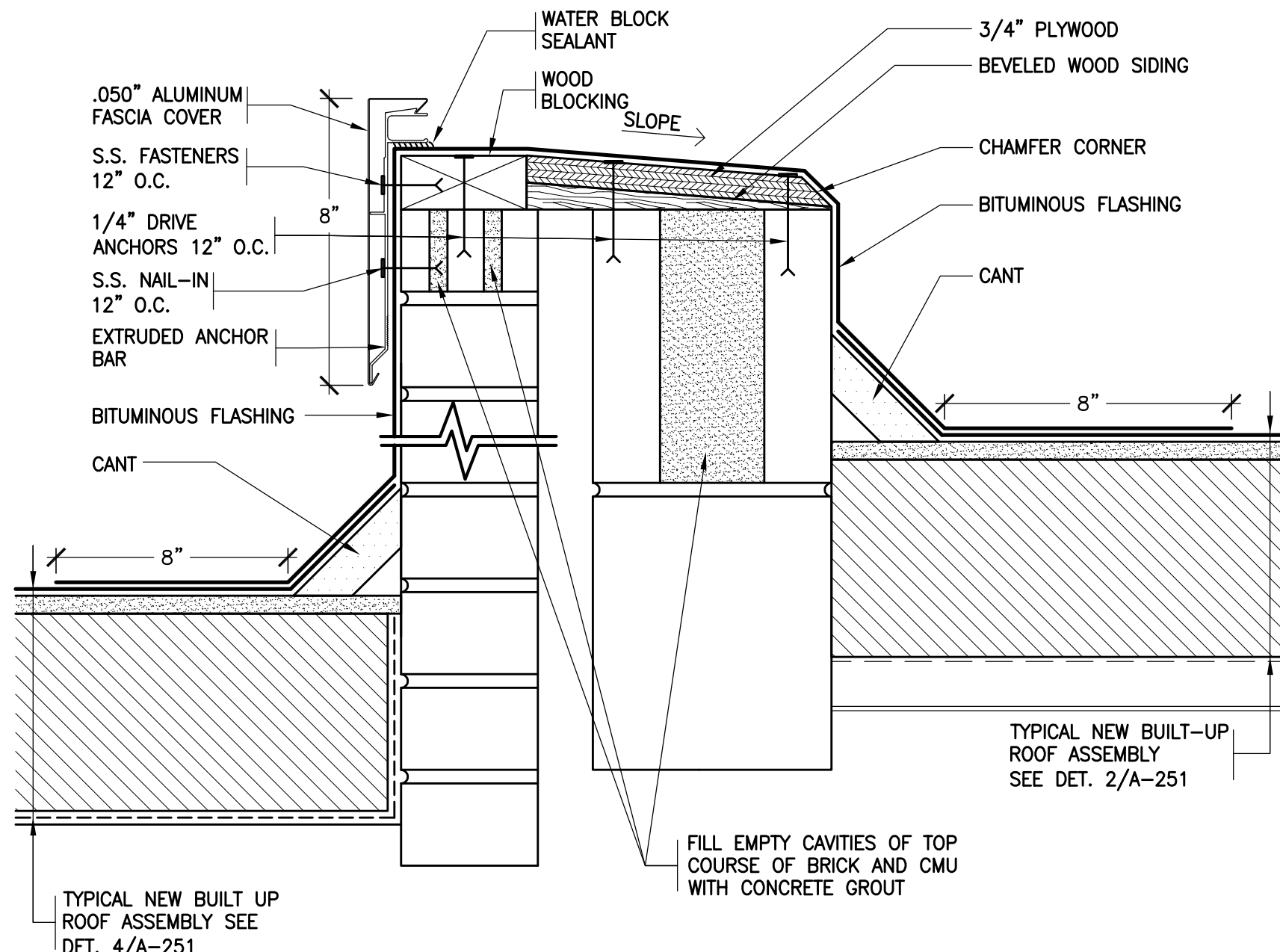
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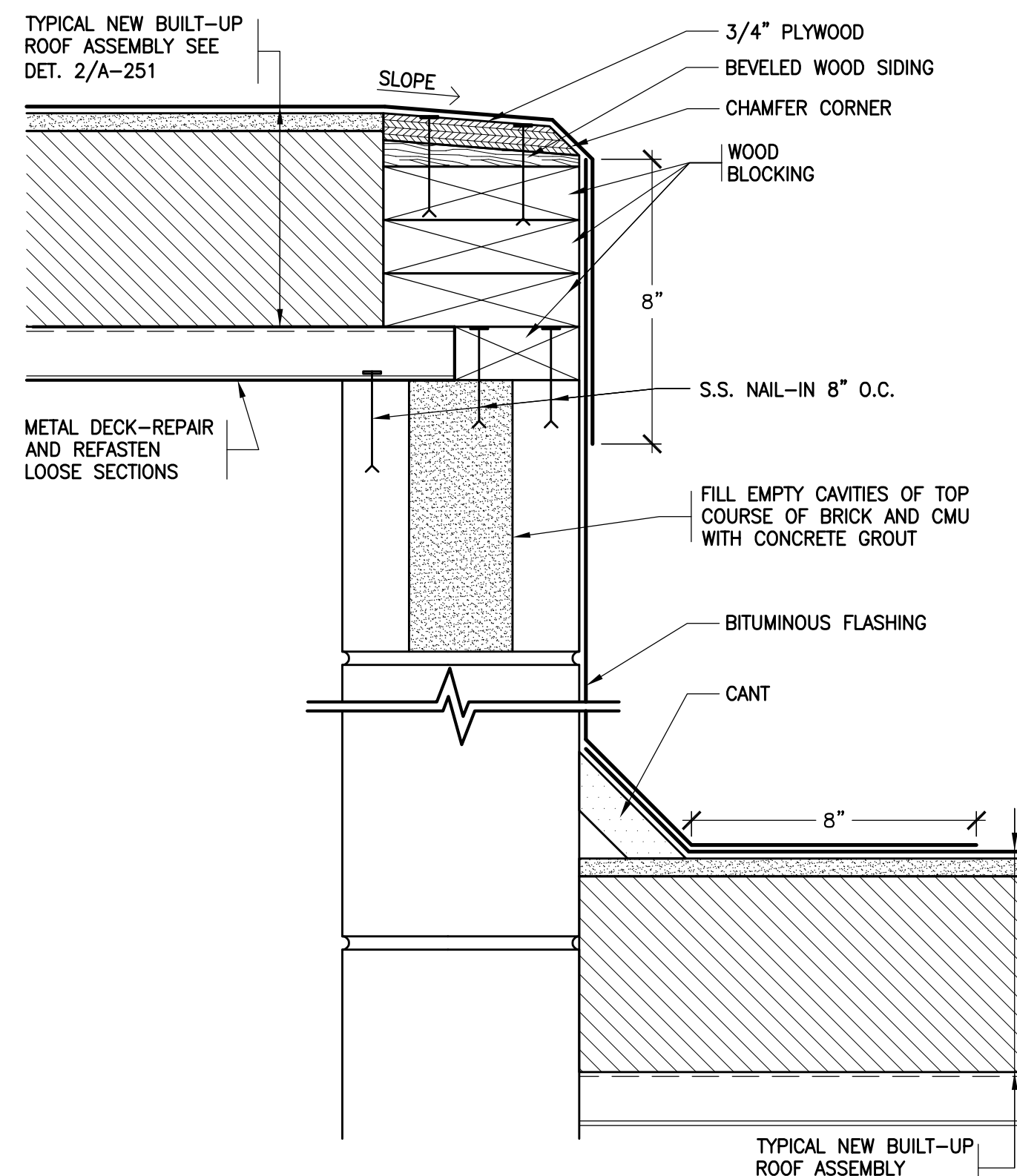
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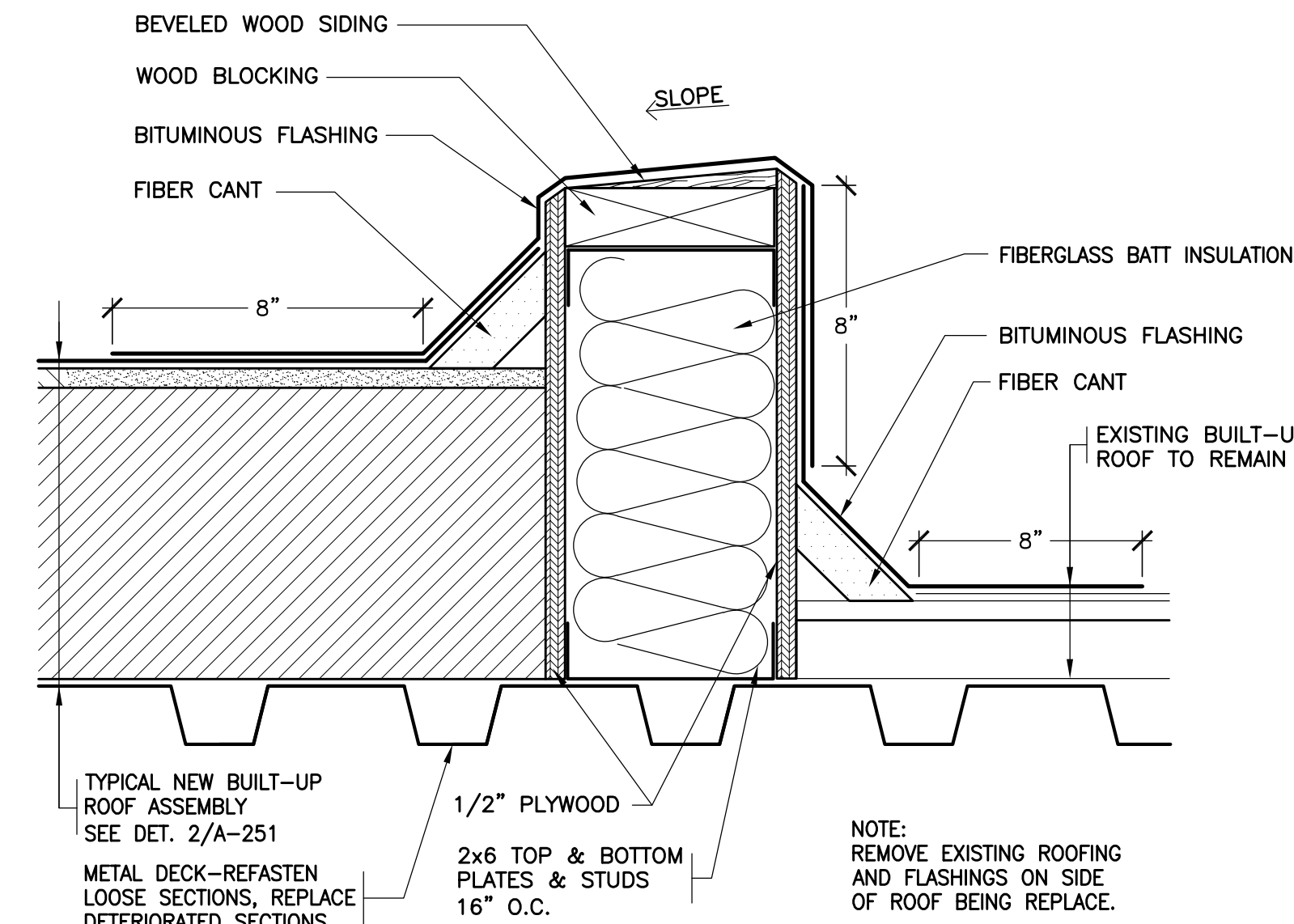
13 EXISTING PARAPET
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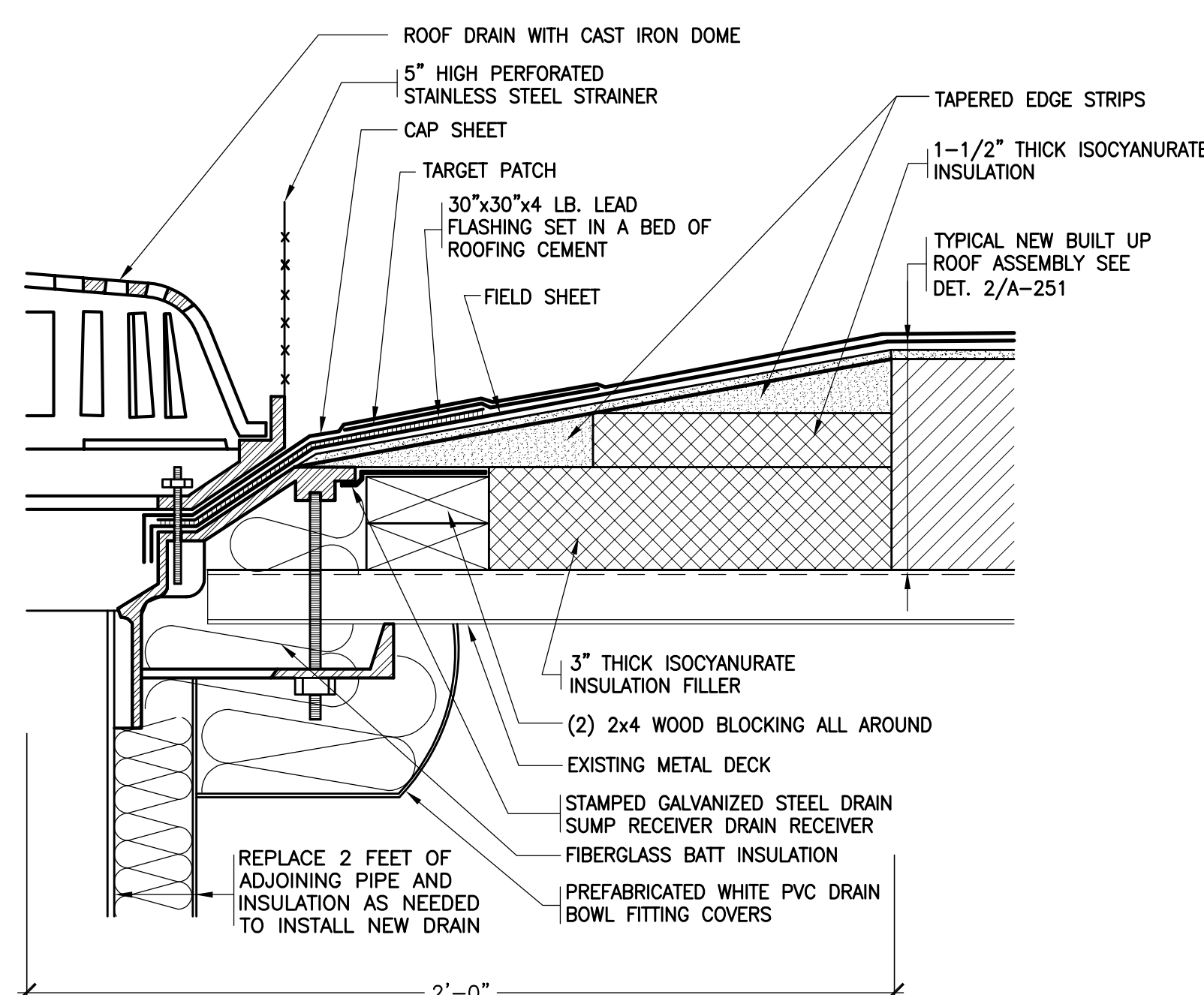
14 REVISED PARAPET
SCALE: 3'-1'-0"



15 REVISED ELEVATOR BULKHEAD
SCALE: 3'-1'-0"

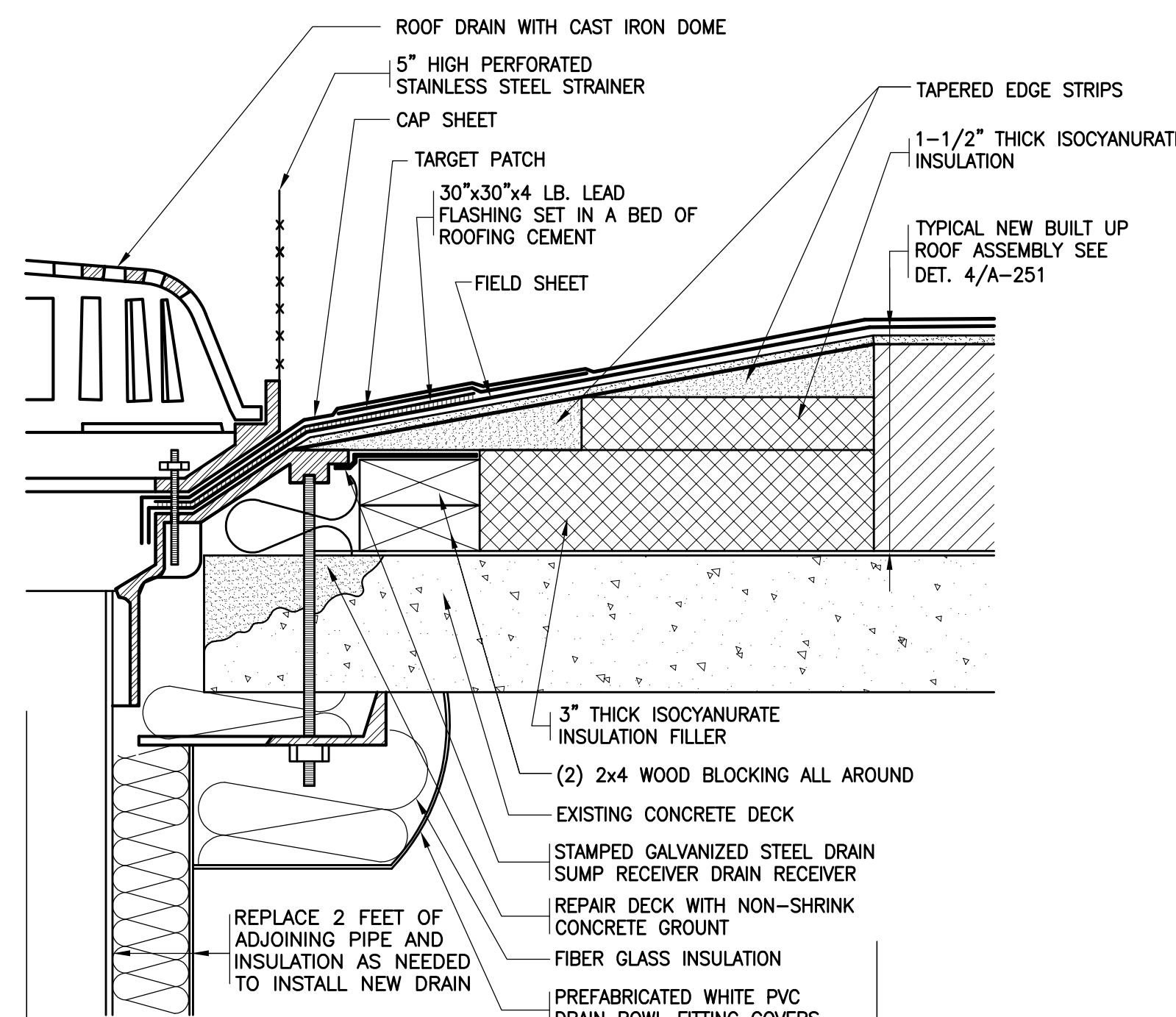


16 REVISED TRANSITION AT EXISTING ROOF
SCALE: 3'-1'-0"



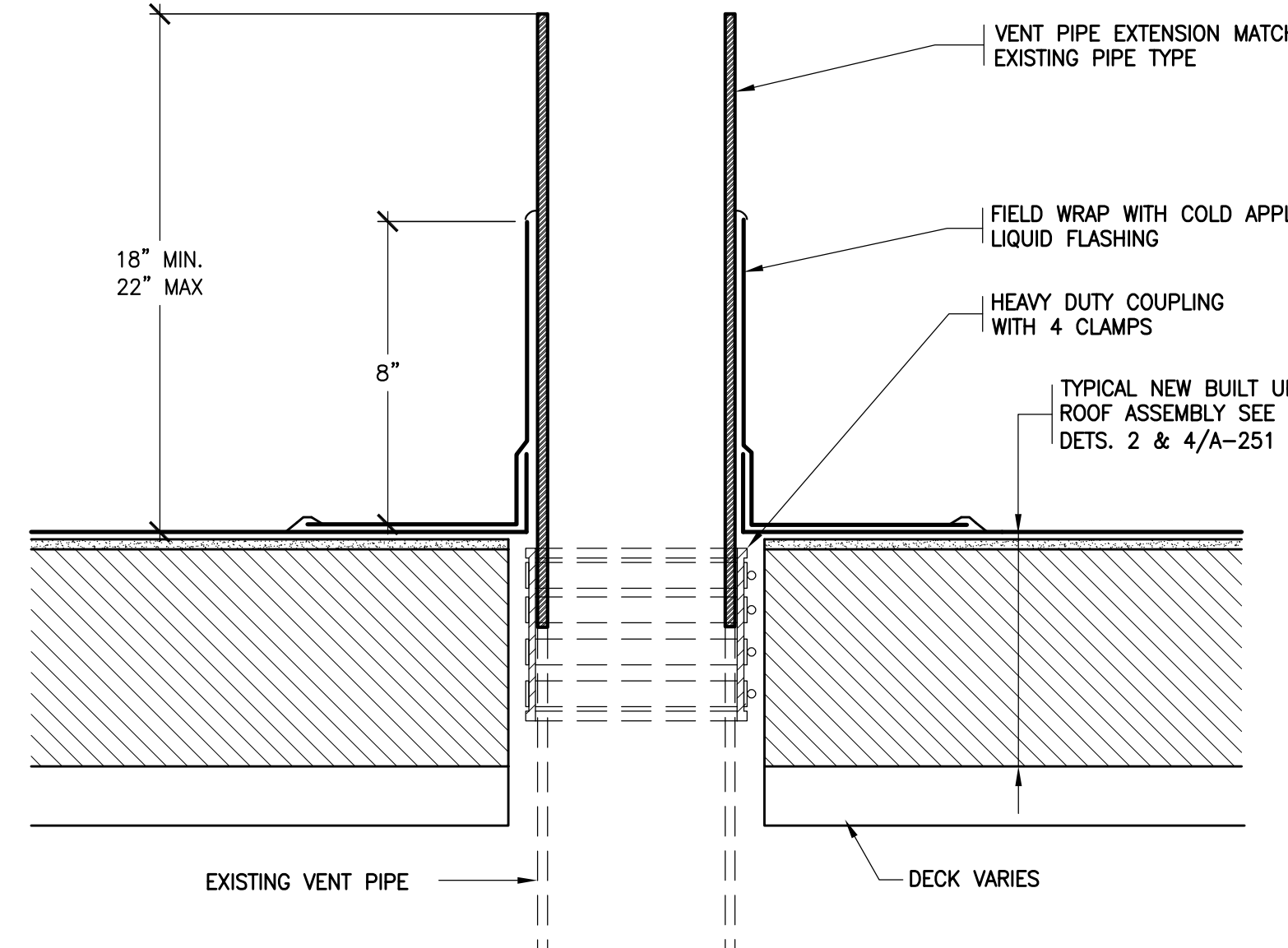
- NOTES:
1. REMOVE EXISTING ROOF DRAINS AND RELATED FLASHINGS.
 2. INSTALL TAPERED EDGE STRIPS & INSULATION FILLERS TO CREATE A MINIMUM 4 FT. x 4 FT. SQUARE SUMP AT EACH DRAIN.
 3. INSULATE THE DRAIN BOWL, THE NEW PIPE AND EXISTING PIPE THAT IS CURRENTLY NOT INSULATED (APPROXIMATELY 6'-0" OF NEW INSULATION AT EACH ROOF DRAIN).

17 REVISED ROOF DRAIN
SCALE: 3'-1'-0"



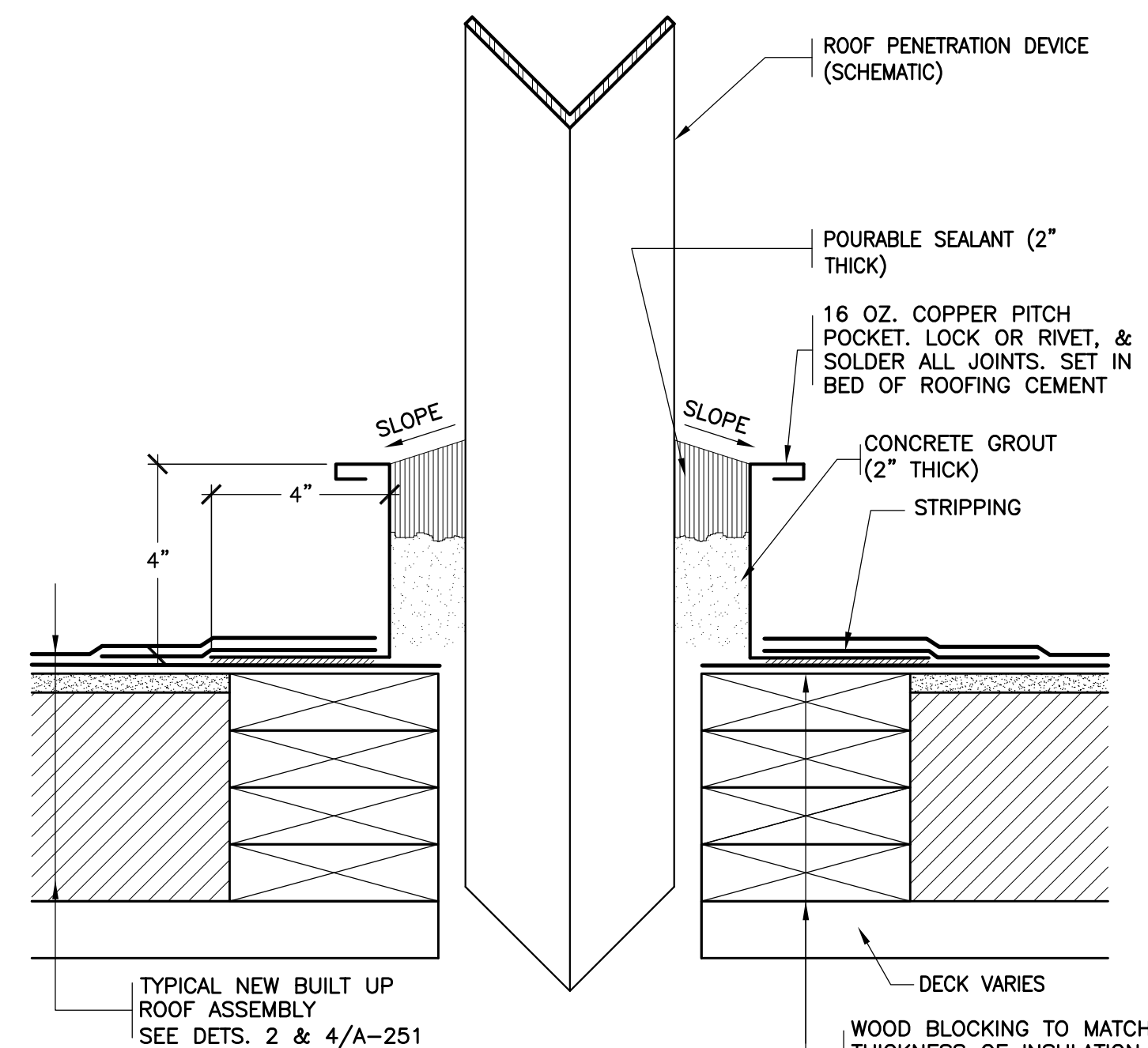
- NOTES:
1. REMOVE EXISTING ROOF DRAINS AND RELATED FLASHINGS.
 2. INSTALL TAPERED EDGE STRIPS & INSULATION FILLERS TO CREATE A MINIMUM 4 FT. x 4 FT. SQUARE SUMP AT EACH DRAIN.
 3. INSULATE THE DRAIN BOWL, THE NEW PIPE AND EXISTING PIPE THAT IS CURRENTLY NOT INSULATED (APPROXIMATELY 6'-0" OF NEW INSULATION AT EACH ROOF DRAIN).

18 REVISED ROOF DRAIN
SCALE: 3'-1'-0"



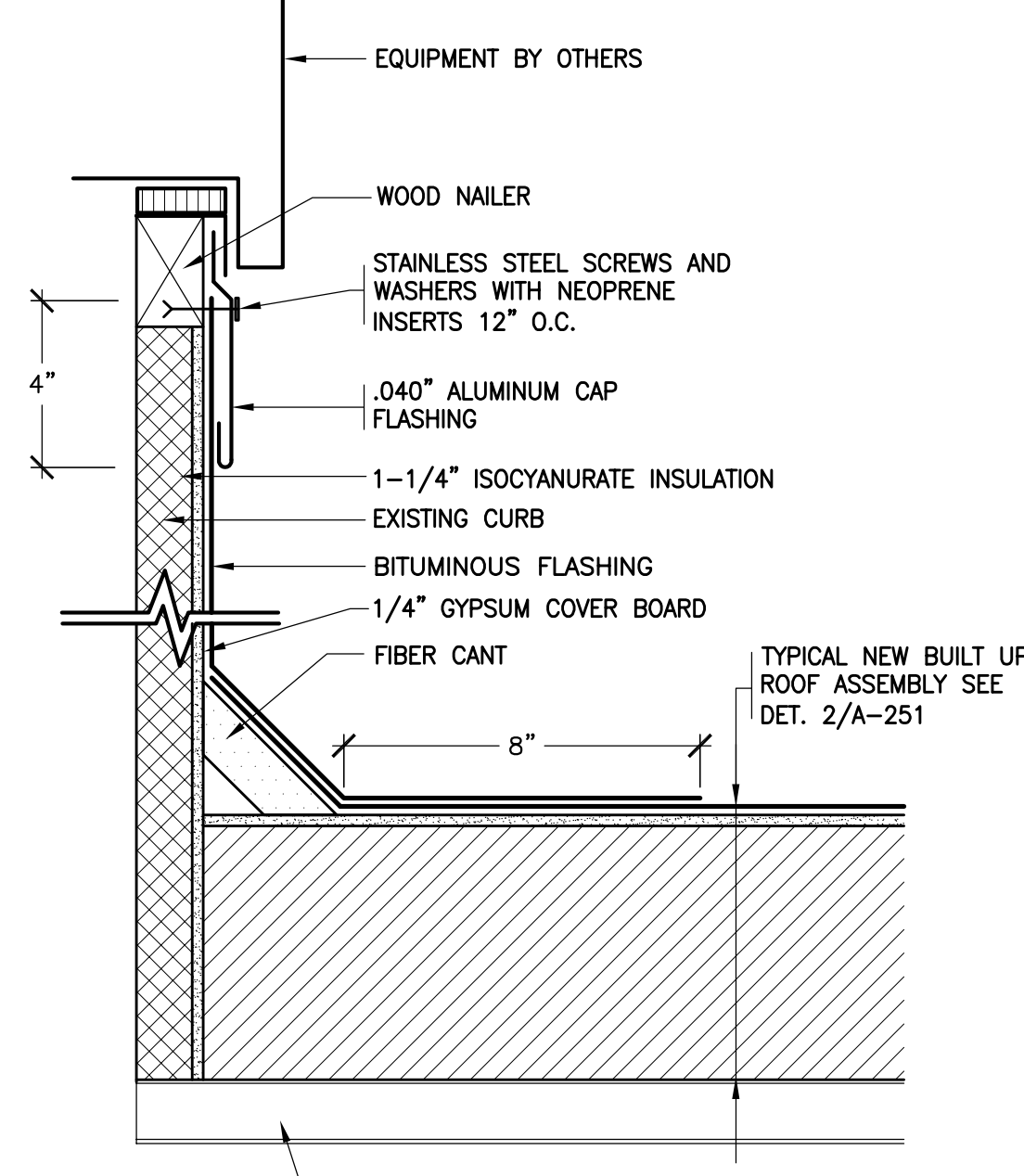
- NOTES:
1. REMOVE ALL EXISTING FLASHINGS.
 2. REMOVE KENNEDY COUPLINGS AND EXTEND VENT PIPES TO MEET MIN. HEIGHT REQUIREMENT.

19 REVISED VENT PIPE
SCALE: 3'-1'-0"



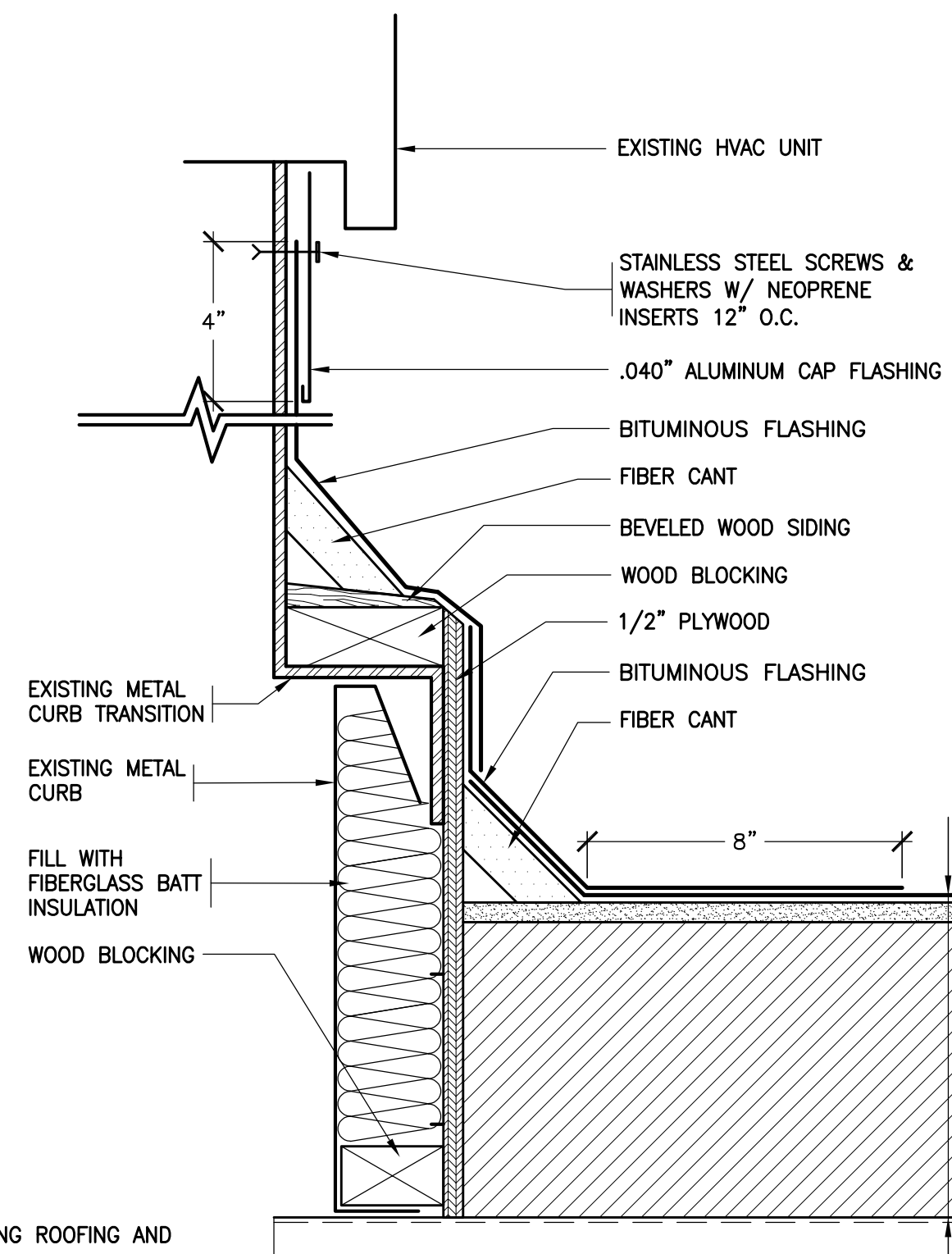
- NOTES:
1. REMOVE EXISTING PITCH POCKETS AND RELATED FLASHINGS.
 2. INSTALL COLD APPLIED LIQUID MEMBRANE FLASHINGS IN LIEU OF SEALANT POCKETS WHEN EVER POSSIBLE.

20 REVISED SEALANT POCKET
SCALE: 3'-1'-0"



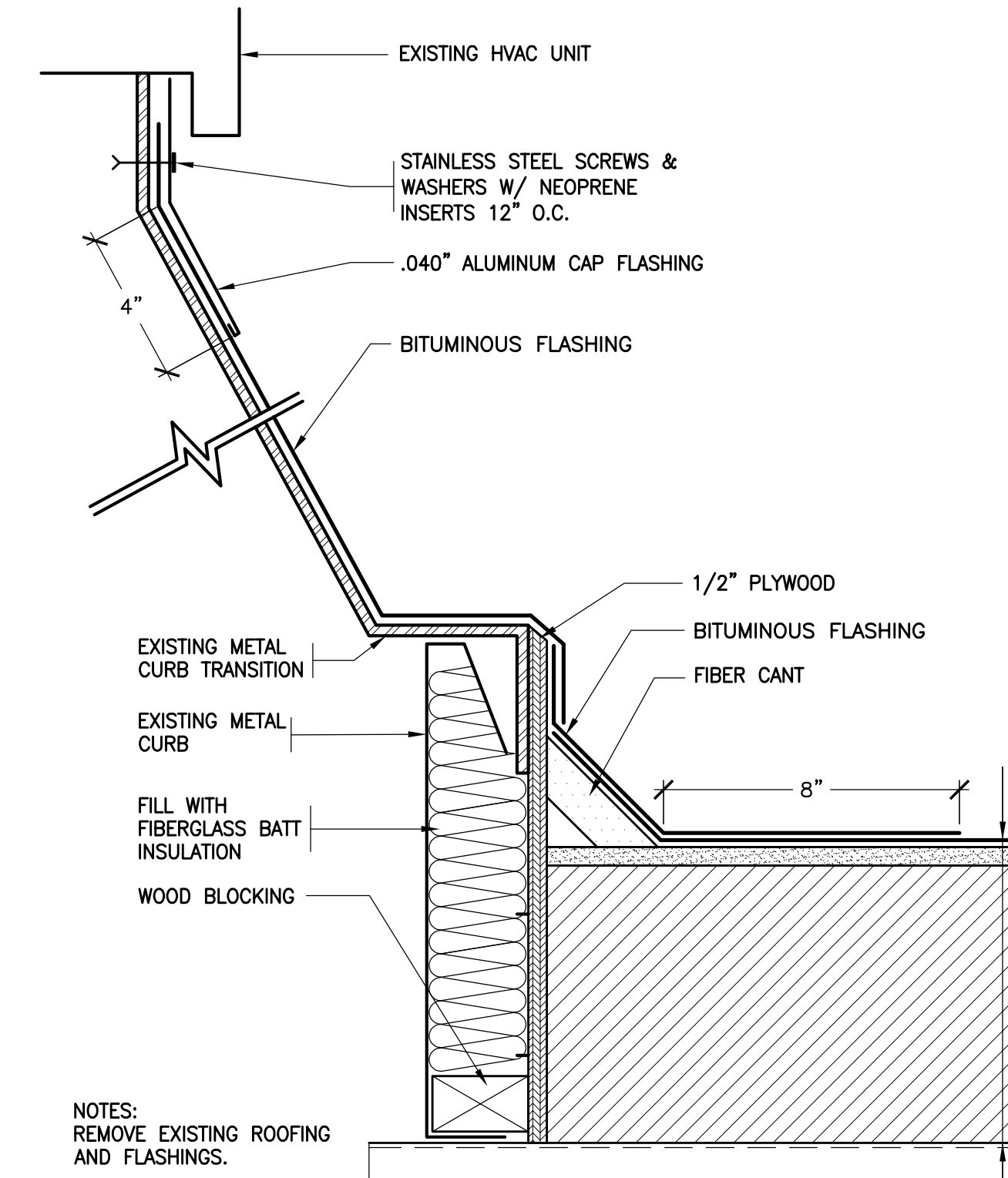
- NOTES:
1. REMOVE EXISTING ROOFING AND FLASHINGS.
 2. GRIND OFF AND REMOVE EXISTING STEEL LIFTING HOOKS.

22 REVISED HVAC CURB CAP
SCALE: 3'-1'-0"



- NOTES:
1. REMOVE EXISTING ROOFING AND FLASHINGS.
 2. GRIND OFF AND REMOVE EXISTING STEEL LIFTING HOOKS.

23 REVISED HVAC CURB
SCALE: 3'-1'-0"



- NOTES:
1. REMOVE EXISTING ROOFING AND FLASHINGS.
 2. GRIND OFF AND REMOVE EXISTING STEEL LIFTING HOOKS.

24 REVISED HVAC CURB
SCALE: 3'-1'-0"

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ROOF REPLACEMENT AT WESTORCHARD ELEMENTARY SCHOOL CHAPPAQUA CENTRAL SCHOOL DISTRICT 25 Granite Road Chappaqua, NY 10514

KG+D architects
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285 main street mount kisco, new york 10549
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ROOF DETAILS

Job No.

Sheet No.

Date

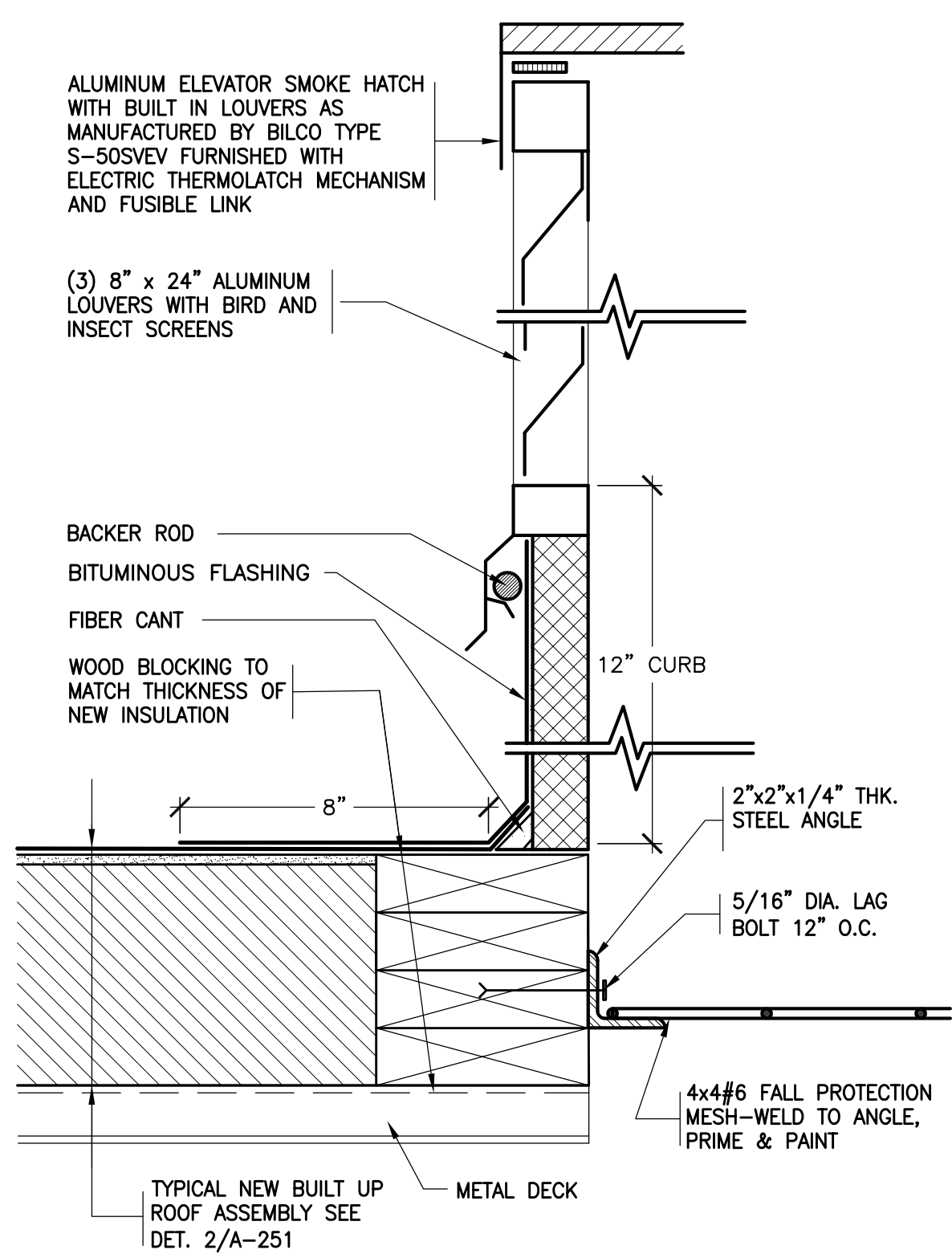
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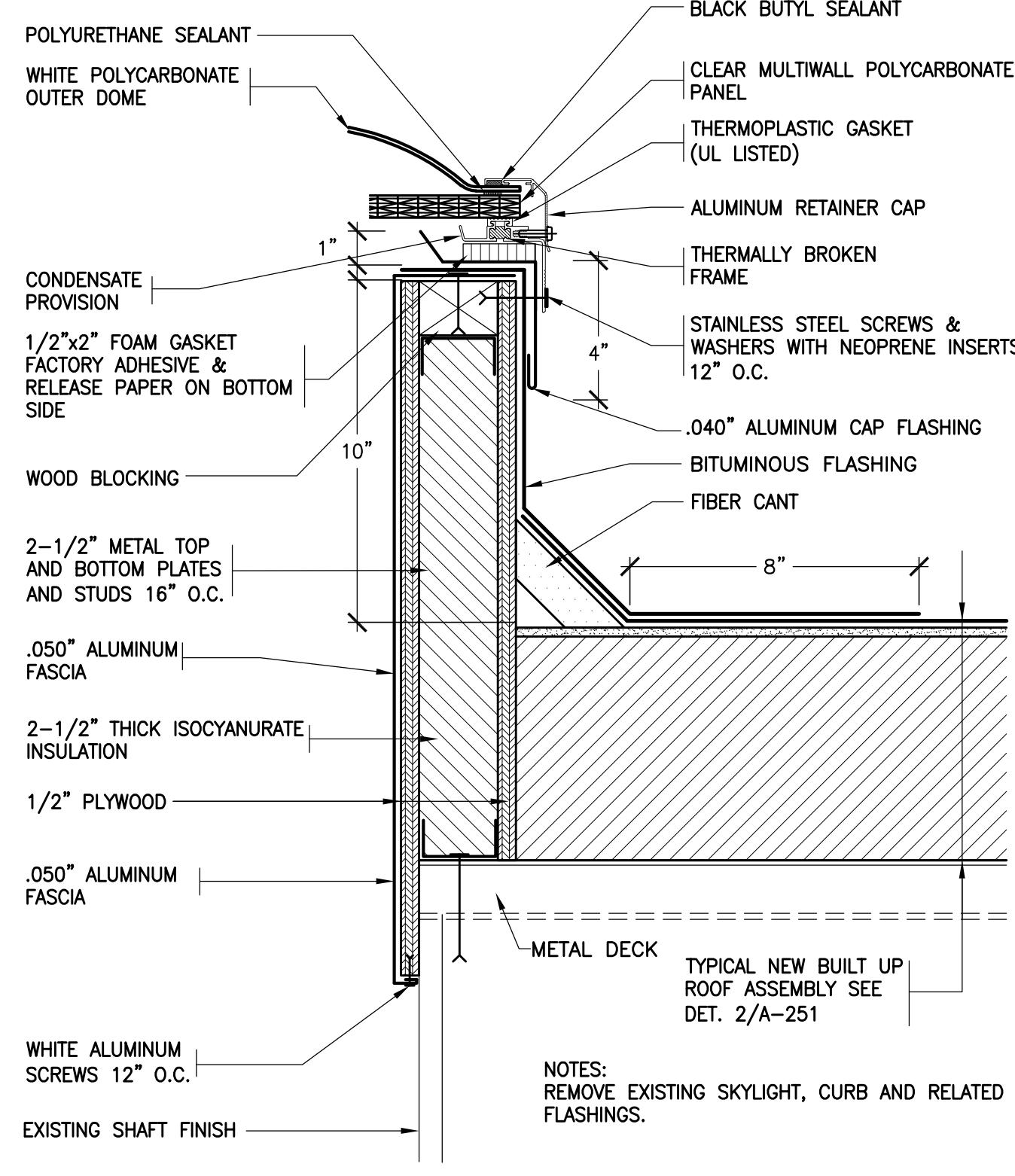
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Drawn/Checked

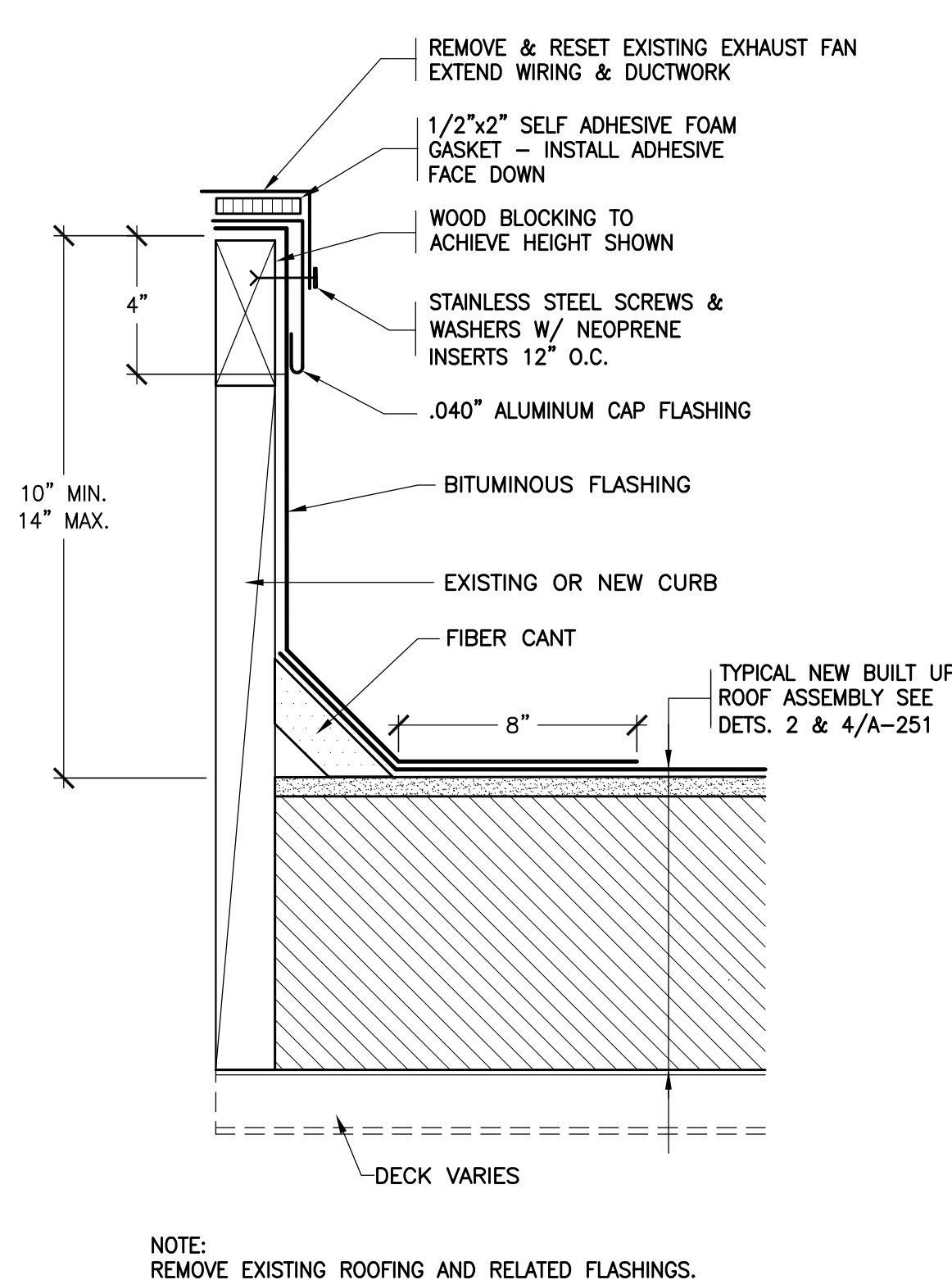
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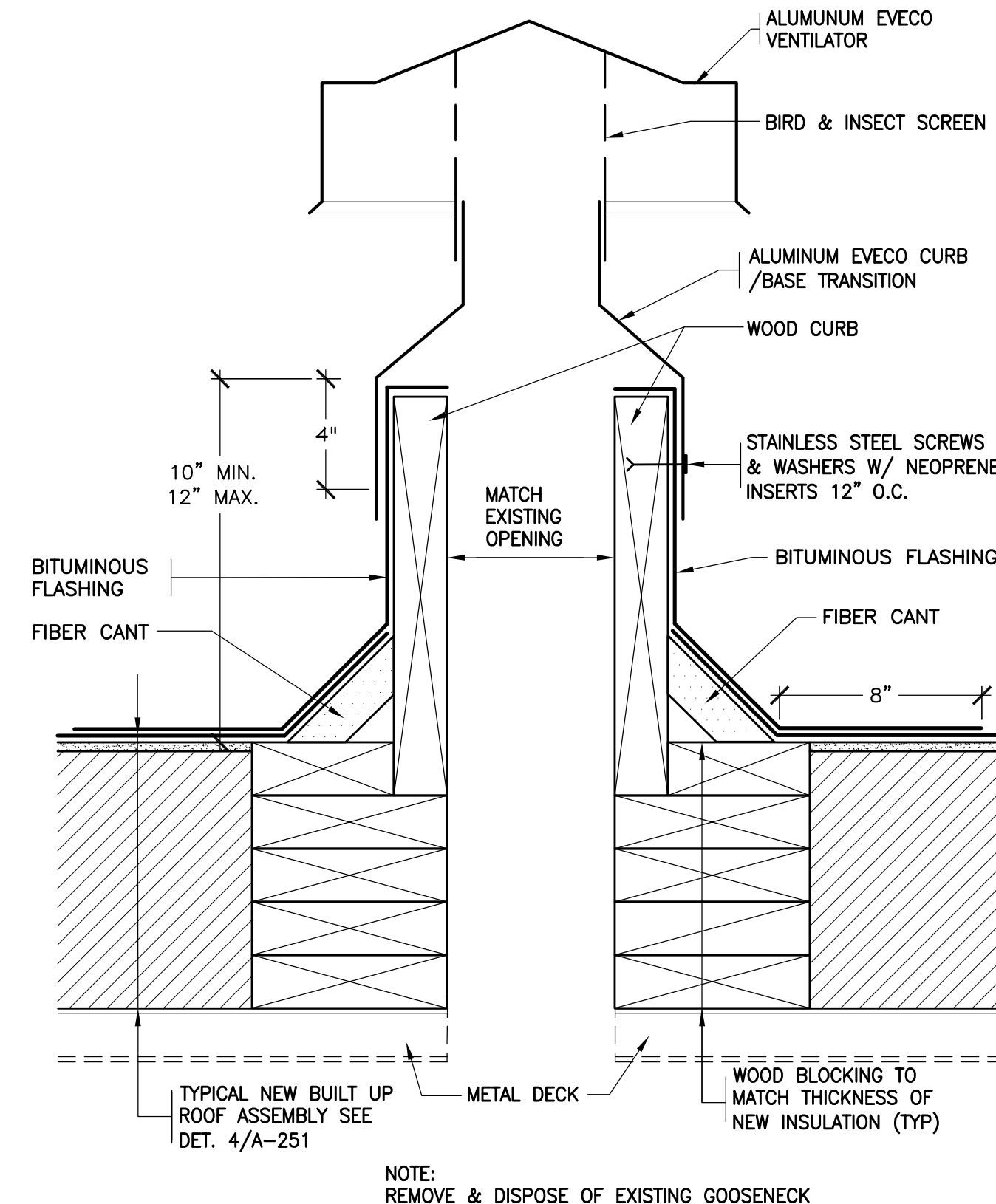
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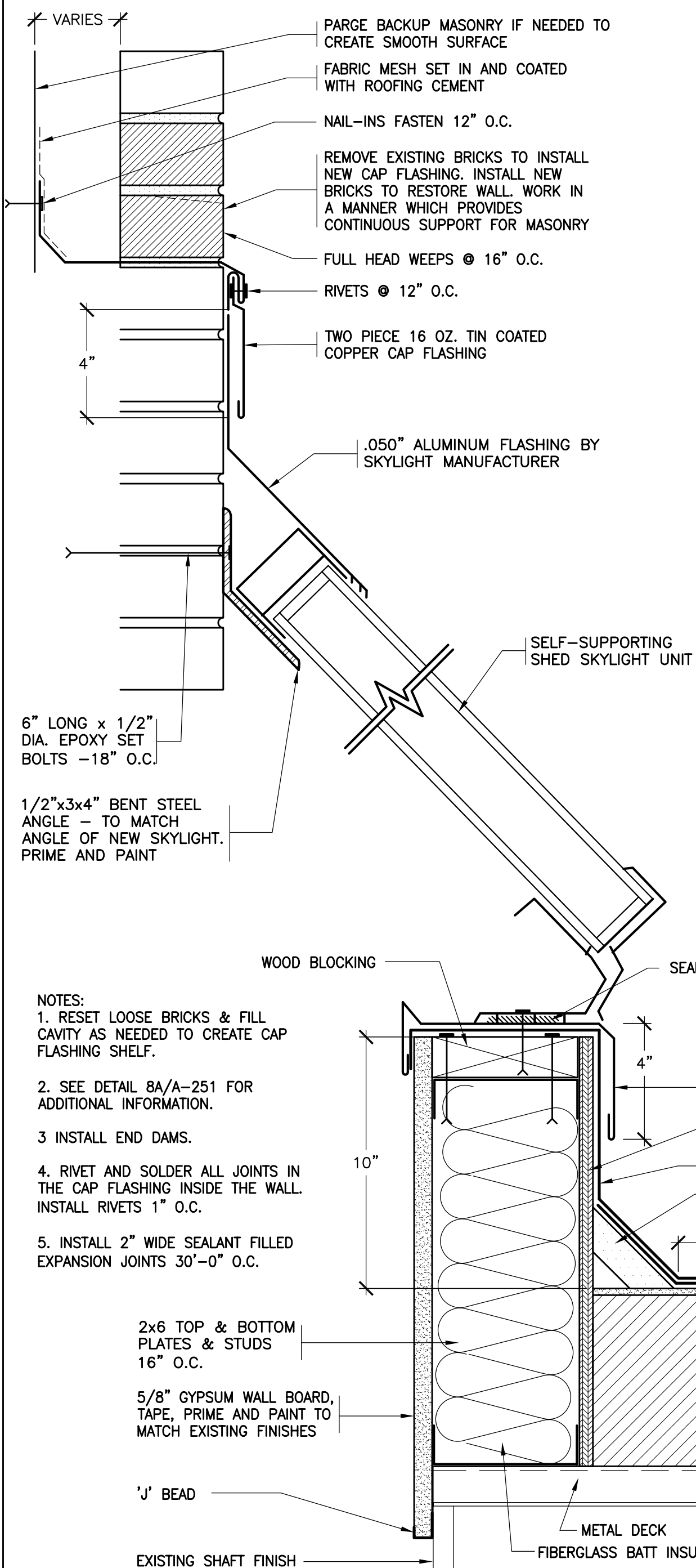
26 REVISED SKYLIGHT
SCALE: 3"=1'-0"



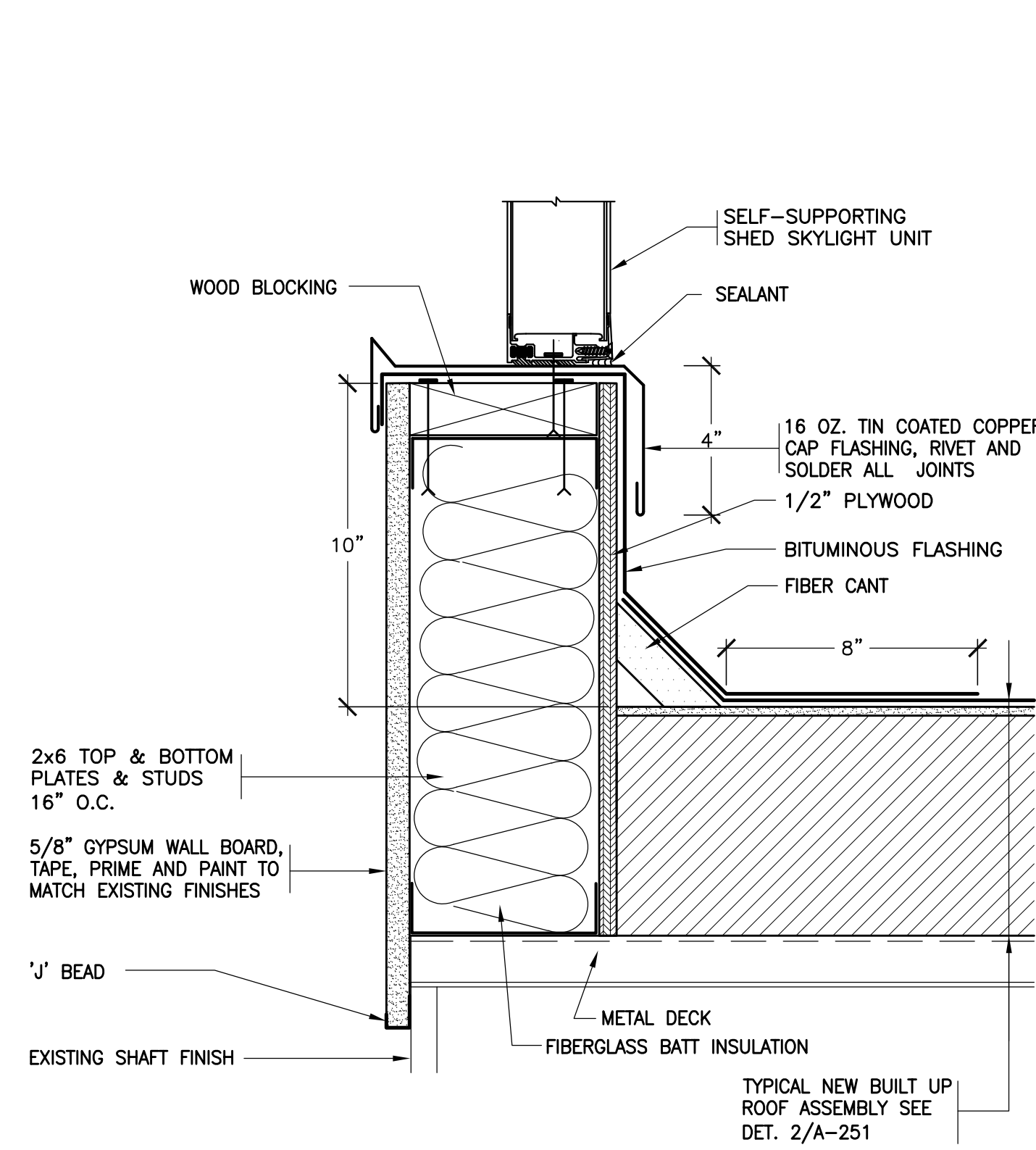
27 REVISED EXHAUST FAN
SCALE: 3"=1'-0"



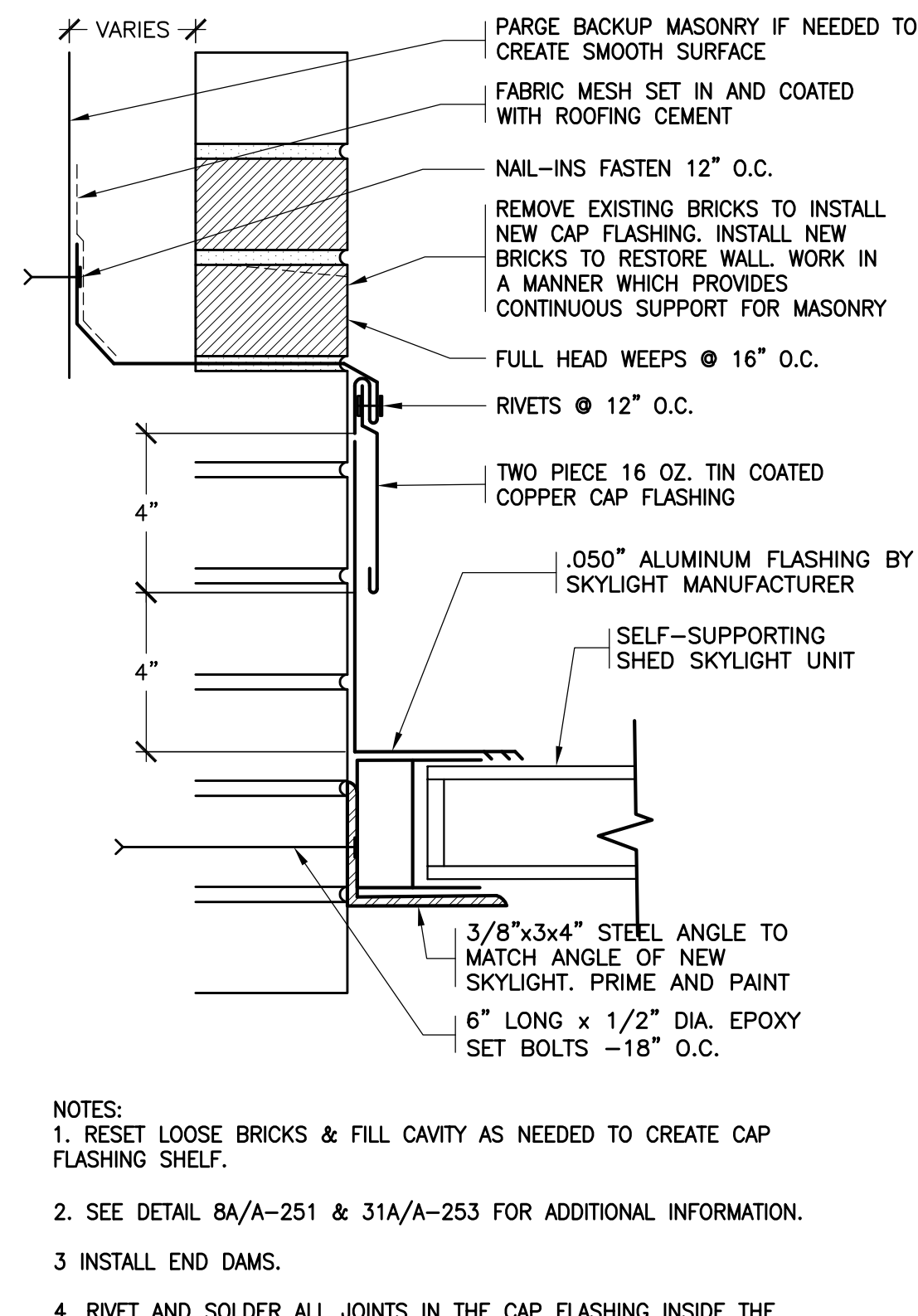
28 NEW EVECO VENTILATOR
NOT TO SCALE



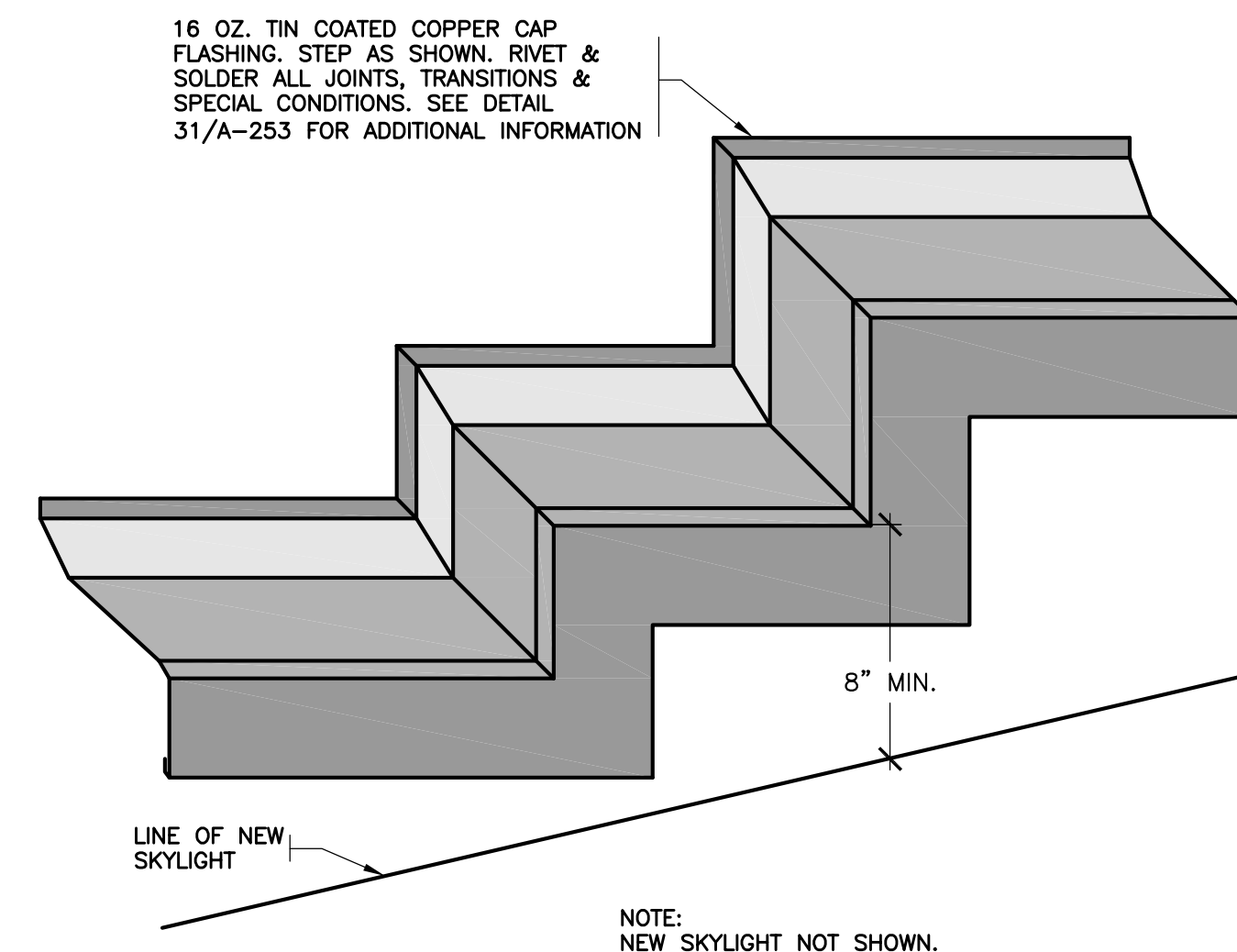
29 REVISED SLOPED SKYLIGHT CURB AND WALL TRANSITION
SCALE: 3"=1'-0"



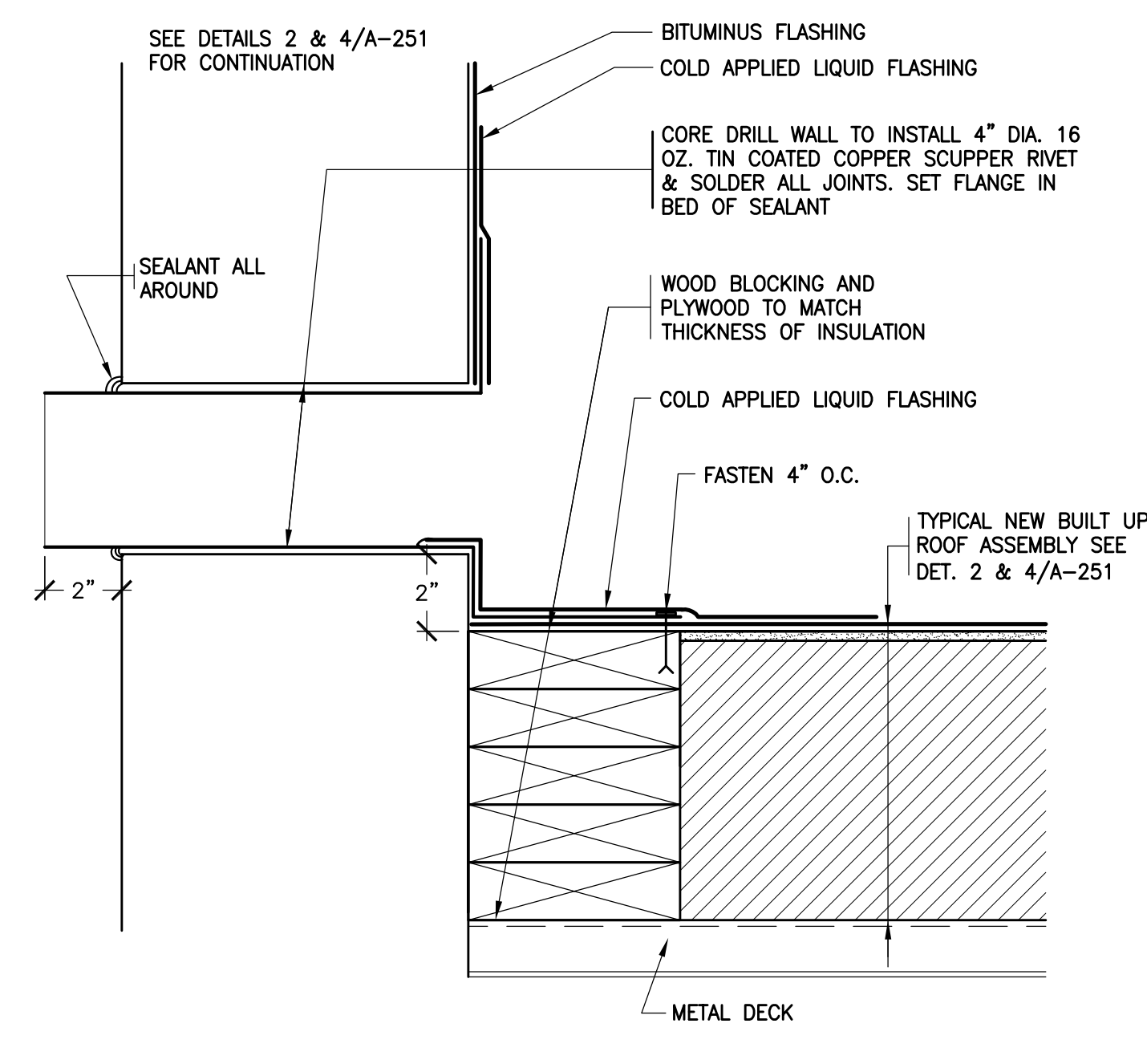
30 REVISED SLOPED SKYLIGHT END WALL
SCALE: 3"=1'-0"



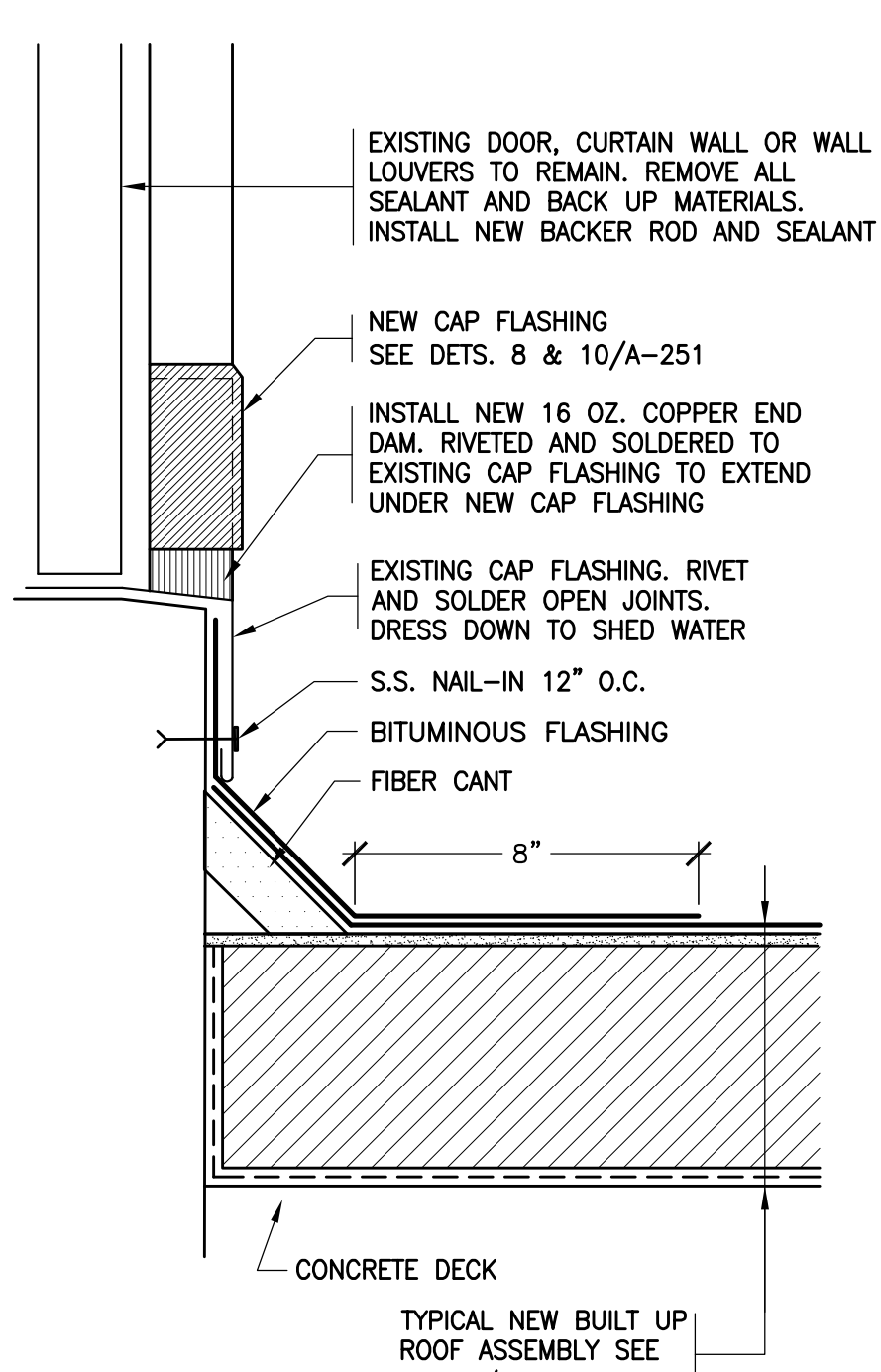
31 REVISED SLOPED SKYLIGHT TRANSITION AT WALL
SCALE: 3"=1'-0"



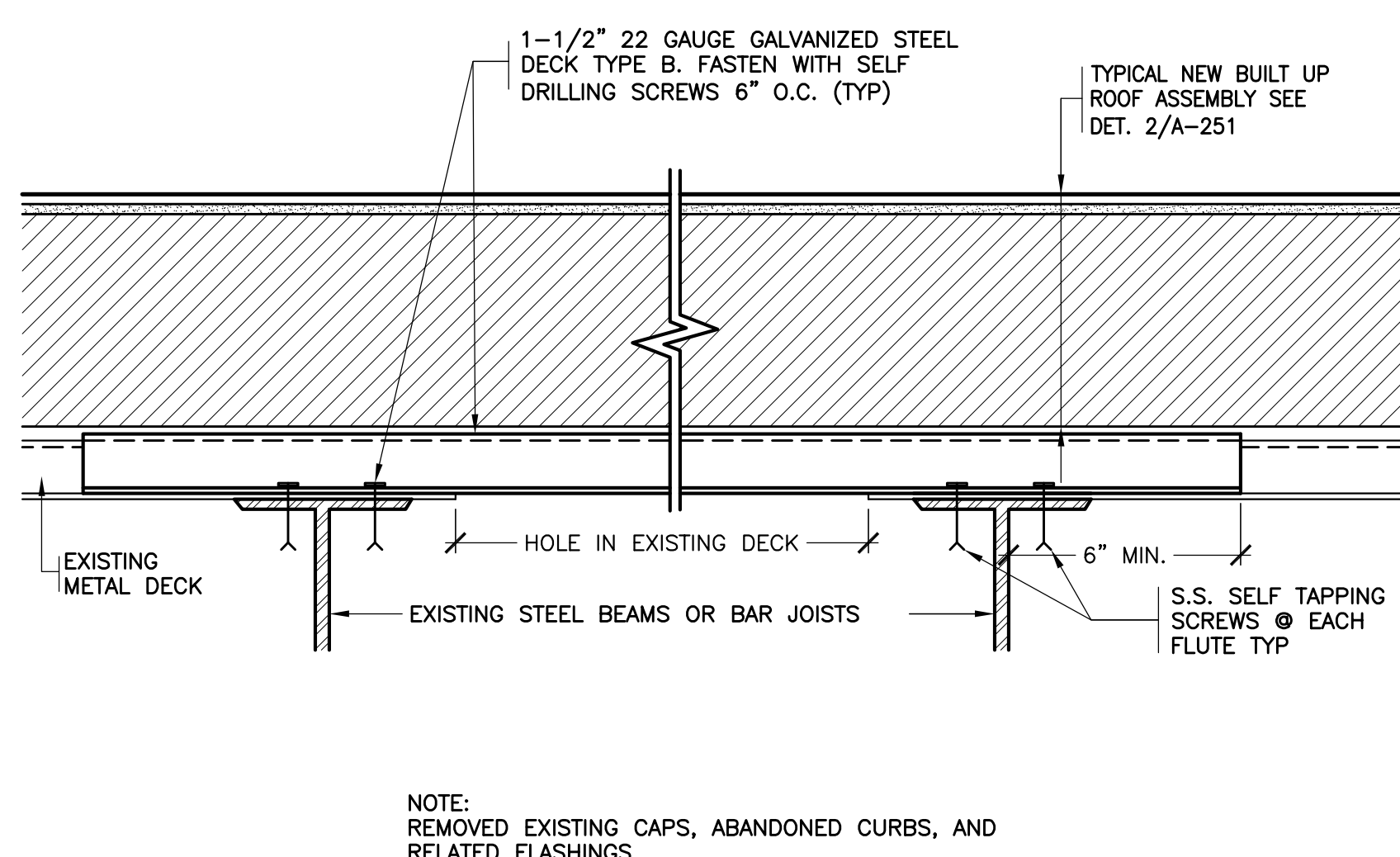
31A NEW CAP FLASHING AXON.
NOT TO SCALE



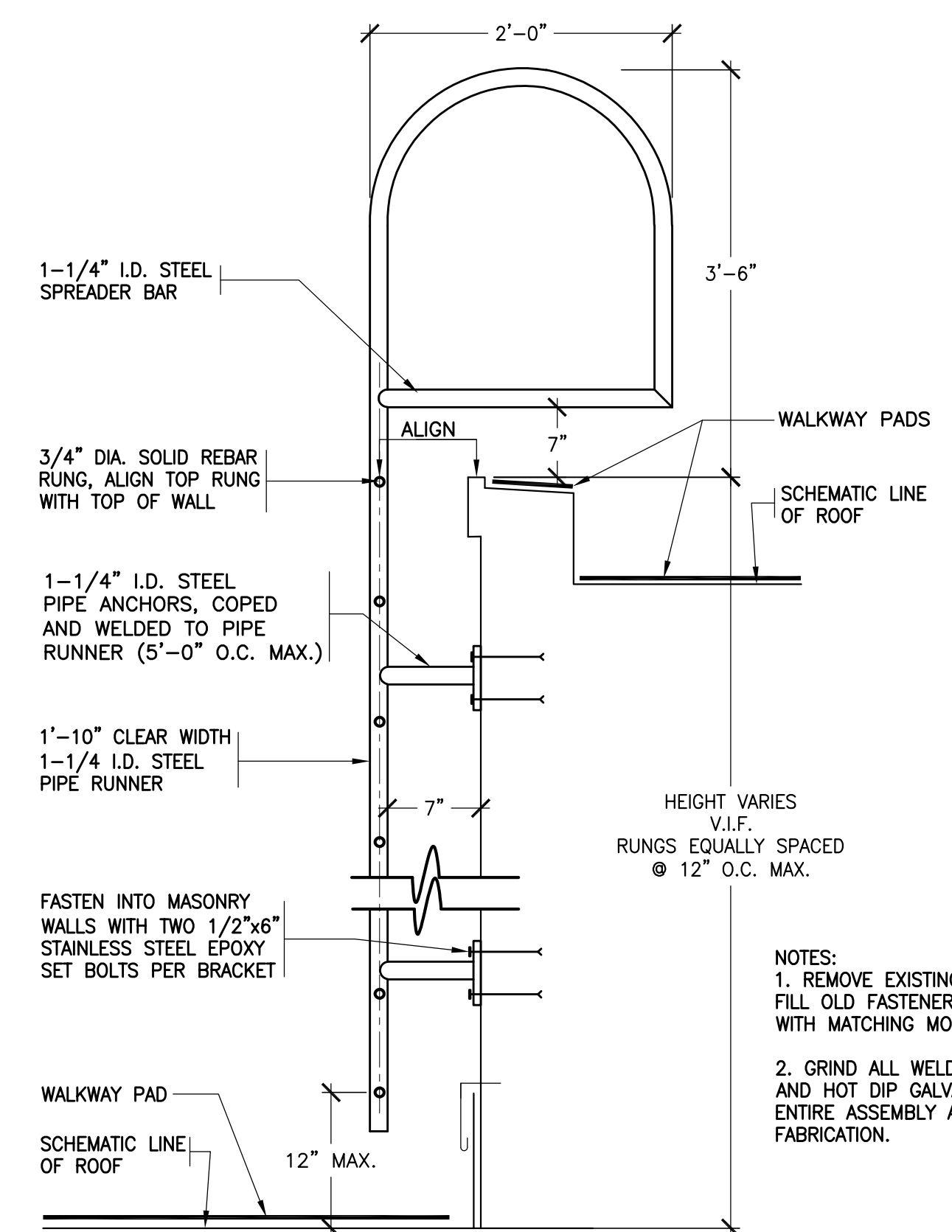
32 REVISED OVERFLOW SCUPPER
SCALE: 3"=1'-0"



33 REVISED DOOR / WINDOW / LOUVER FLASHING
SCALE: 3"=1'-0"



34 CURB INFILL
SCALE: 3"=1'-0"



35 NEW ROOF ACCESS LADDER
SCALE: 3"=1'-0"

ROOF REPLACEMENT AT WESTORCHARD ELEMENTARY SCHOOL CHAPPAQUA CENTRAL SCHOOL DISTRICT 25 Granite Road Chappaqua, NY 10514

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CONSTRUCTION DOCUMENTS

SED Control No. 66-10-04-06-0-013-013

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No.	Date	Issue
2	07/22/2021	ISSUED FOR BID
1	06/22/2021	SED ISSUE

Sheet Title

ROOF DETAILS

Job No. 2021-1039 Sheet No.

Date 06/22/2021

Scale AS NOTED

Drawn/Checked A-253