

Greenville
NORTH CAROLINA

CITY OF GREENVILLE

POLICE FIRE-RESCUE HEADQUARTERS

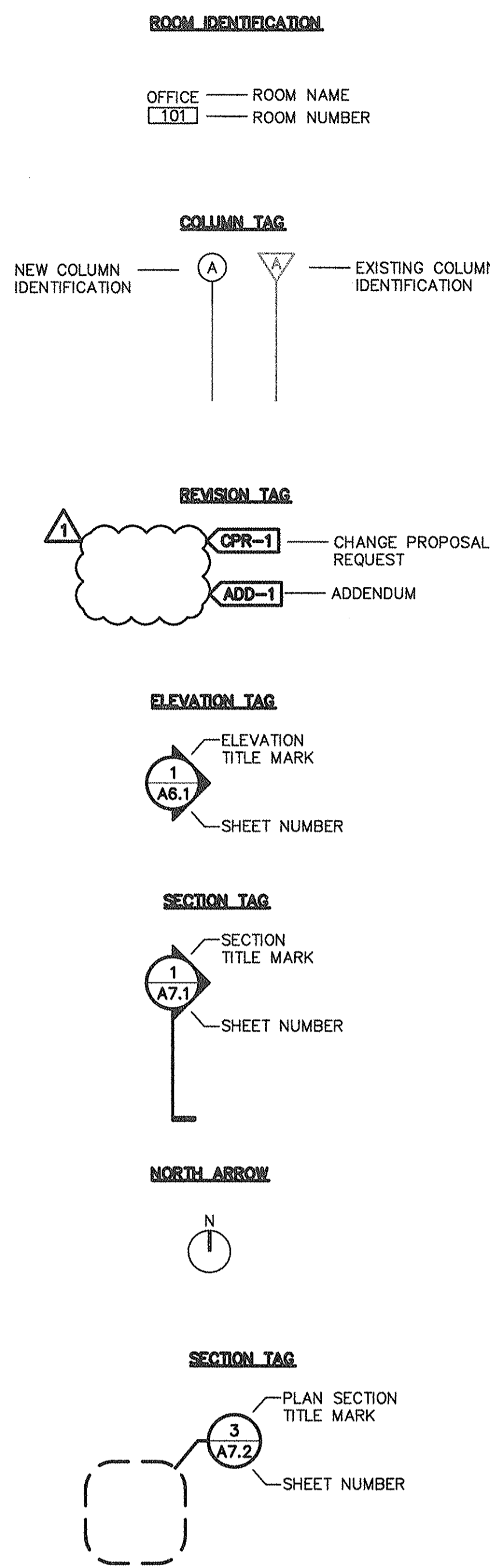
ROOF REPLACEMENT

TEG PROJECT NO. 20160182
CITY OF GREENVILLE WORK ORDER NO. 22

ISSUED FOR CONSTRUCTION

April 3, 2017

Architectural Symbols



Abbreviations

A	COMPRESSED AIR LINES	HB	HOSE BIBB	RET	RETAINING
A/C	AIR CONDITIONING	HC	HANDICAP	REV	REVISION(S), REVISED
AB	ANCHOR BOLT	HD	HEAVY DUTY, HUB DRAIN	RF	ROOF
ABV	ABOVE	HDW	HARDWARE	RFG	ROOFING
AC	ACOUSTICAL	HDWB	HARDWOOD	RH	ROOF HATCH
ACC	ACCESS, ACCESSORIES	HDWS	HARDWOOD	RL	ROOF LEADER
ACS DR	ACCESS DOOR	HGT	HEIGHT	RM	ROOM
ACS PNL	ACCESS PANEL	HW	HIGH-IMPACT WALL COVERING	RO	ROUGH OPENING
ACT	ACOUSTICAL CEILING TILE	HK	HOOK(S)	RST	RUBBER STAIR TREAD
AD	ADJUSTABLE	HM	HOLLOW METAL	RT	RUBBER TILE
ADJ	ADJUSTABLE	HO	HOLD OPENING	RTF	RESILIENT TEXTILE FLOORING
AFF	ABOVE FINISH FLOOR	HORIZ	HORIZONTAL	RTU	ROOF TOP UNIT
AFG	ABOVE FINISH GRADE	HP	HORSEPOWER, HIGH-PRESSURE, HEATPUMP	RWL	RAIN WATER LEADER
AHR	ANCHOR	HPR	HIGH PRESSURE STEAM RETURN 125PSI	S	SOUTH, SWITCH
AHU	AIR HANDLING UNIT	HPS	HIGH PRESSURE STEAM SUPPLY 125PSI	S&R	SHIELD AND ROD
ALT	ALTERNATE	HR	HANDRAIL/HOURLY RATING	SAD	SECURITY ACCESS DOOR
ALUM, AL	ALUMINUM	HRV	HVAC	SAP	SECURE ACCESS PANEL
APPROX	APPROXIMATE	HW	HOT WATER	SB	SPLASH BLOCK
ARCH	ARCHITECT(URAL)	HWF	HARDWOOD FLOORING	SC	SOLID CORE (DOORS)
BB	BULLETIN BOARD	HWR	HOT WATER RETURN	SCR	SHOWER CURTAIN ROD
BD	BOARD	HWS	HOT WATER SUPPLY	SD	STORM DRAIN
BFP	BACKFLOW PREVENTER	ID	INSIDE DIAMETER	SEC	SECTION
BFV	BUTTERFLY VALVE	IN	INCH	SFCS	STRETCHED FABRIC PANEL SYSTEM
BITUM	BITUMINOUS	INCL	INCLUDE(D), (NG)	SHM	SECURITY HOLLOW METAL
BLDG	BUILDING	INSUL	INSULATION	SHR	SHOWER
BLK	BLOCK	INT	INTERIOR	SHT	SHEET
BLKG	BLOCKING	INV	INVERT	SHTG	SHEATHING
BM	BENCH MARK	IP	IRON PIPE	SHV	SHIELD, SHELVING
BOR	BORDER	IPT	IRON PIPE TRAY	SIM	SIMILAR
BOT	BOTTOM	IWT	I.V. TRACK	SL	SOLID STAVE CORE
BOTM	BUMPER RAIL	JST	JOIST	SLC	SLAB ON GRADE
BR	BEARING	JT	JOINT	SOG	SOFTWOOD
BRK	BRICK	KEYBD	KEYBOARD	SP	SPECIFICATION(S) (SPECIFIED)
BRG	BRASS	KP	KEY PAD	SQ	SQUARE
BTU	BRITISH THERMAL UNIT	L	ANGLE	SR	SEAMLESS RESILIENT
BU	BUILT UP	LAD	LADDER	SS	SANITARY SEWER
BV	BALL VALVE	LAM	LAMINATED GLASS	SSM	SOLID SURFACE MATERIAL
C	CHANNEL	LAM GL	LAMINATED GLASS	SST	STAINLESS STEEL
C&G	CURB AND GUTTER	LAM	LAMINATED(D)	ST	STONE
C/HR	CRASH/HAND RAIL	LAV	LAVATORY	STC	SOUND TRANSMISSION COEFFICIENT
CAB	CABINET	LB (#)	POUND	STD	STANDARD
CB	CATCH BASIN	LBL	LABEL	STER	STERILIZER
CCT	CUBICLE CURTAIN TRACK	LF	LINEAR FOOT	STL	STEEL
CD	CONDENSATE DRAIN	LKR	LOCKER	STN	STAINED
CEM	CEMENT	LL	LIVE LOAD/LEAD LINED	STRUCT	STRUCTURAL
CF	CHEMICAL FEED	LPG	LIQUID PETROLEUM GAS	SUS	SUSPENDED
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	LPR	LOW PRESSURE STEAM RETURN 15PSI	SV	SHEET VINYL/ SAFETY RELIEF VALVE
CFLG	COUNTERFLASH(ING)	LPS	LOW PRESSURE STEAM SUPPLY 15PSI	SWG	SWITCHGEAR
CFM	CUBIC FEET PER MINUTE	LT WT	LIGHTWEIGHT	T&G	TONGUE & GROVE
CG	CORNER GUARD	LTD	LIGHTING	TB	TOWEL BAR
CHR	CHAIR RAIL	LTL	LAMINATED LUMBER	TEL	TELEPHONE
CHWR	CHILLED WATER RETURN	LVL	LAMINATED VENEER LUMBER	TEMP	TEMPORARY
CHWS	CHILLED WATER SUPPLY	LVR	LOUVER	TER	TERRAZZO
CI	CAST IRON	MAS	MASONRY	TF	TEXTURE FLOOR
CL	CONTROL JOINT	MATL	MATERIAL	THK	THICK(NESS)
CL	CENTER LINE	MAX	MAXIMUM	THRES	THRESHOLD
CLG	CEILING	MB	MARKER BOARD	THRU	THROUGH
CLD	CLEAR(ANCE)	MBR	MEMBER	TKBD	TACKBOARD
CLR	CROWN MOLDING	MC	MECHANICAL CONTRACTOR	TLT	TOILET
CMU	CONCRETE MASONRY UNIT	MCB	MEDICINE CABINET	TOC	TOP OF CURB
CNTR	COUNTER	MCD	MARKER/CHALK BOARD	TOM	TOP OF MASONRY
CO	CLEANOUT	MECH	MECHANICAL	TOS	TOP OF STEEL
COL	COLUMN	MEZ	MEZZANINE	TOW	TOP OF WALL
CONC	CONCRETE	MFR	MANUFACTURE(R)	TPD	TOILET PAPER DISPENSER
CONSTR	CONSTRUCTION	MH	MANHOLE	TPFN	TOILET PARTITION
CONT	CONTINUOUS OR CONTINUE	MHO	MANUAL HOLD OPEN	TRS	TOOL RESISTIVE STEEL
CONTR	CONTRACTOR	MIN	MINIMUM	TRD	TREATED
COORD	COORDINATE	MISC	MISCELLANEOUS	TS	TUBE STEEL
CP	CONDENSATE PUMP DISCHARGE	MO	MASONRY OPENING	TV	TELEVISION
CPT	CARPET(ED)	MOP	MEDIUM PRESSURE STEAM RETURN (60PSI)	TYP	TYPICAL
CR	CARD READER OR CRASH RAIL	MPS	MEDIUM PRESSURE STEAM SUPPLY (60PSI)	UC	UNDERCUT/UNDERCOUNTER
CRS	COURSE(S)	MRBL	MARBLE	UL	UNDERWRITER'S LABORATORIES
CSK	COUNTERSINK/SUNK	MTB	MARKER/TACK BOARD	UNO	UNLESS NOTED OTHERWISE
CT	CERAMIC TILE	MTD	MOUNTED	UR	URINAL
CJ	CUBIC FOOT (OR FEET)	MTG HT	MOUNTING HEIGHT	V	VENT
CJ FT	CUBIC FOOT (OR FEET)	MTG	MOUNTING	VAC	VACUUM
CJ	COPPER	MTL	METAL	VC	VARIEGATED COATING
CVR	COVER	MULL	MULLION	VCT	VINYL COMPOSITION TILE
CW	COLD WATER PIPING	N/A	NOT APPLICABLE	VERT	VERTICAL
CWR	CONDENSER SUPPLY RETURN	N2	NITROGEN LINE	VIF	VERIFY IN FIELD
CWS	CONDENSER SUPPLY WATER	N2O	NITROUS OXIDE LINE	VIN	VINYL
CY	CONTROL VALVE	NC	NON-COMBUSTIBLE	VR	VAPOR RETARDER
D	DRAIN	NIC	NOT IN CONTRACT	VT	VINYL TILE
DBL	DOUBLE	NO (#)	NUMBER	VTR	VENT THROUGH ROOF
DET	DETAIL	NOM	NOMINAL	VVC	VINYL WALL COVERING
DIA	DIAMETER	NTS	NOT TO SCALE	VWF	VINYL WALL FABRIC
DM	DIMENSION	O	OXYGEN	W	WIDE
DISP	DISPENSER	OA	OVERALL	W/	WITH
DIST	DISTRIBUTION	OC	ON CENTER(S)	W/O	WITHOUT
DM PF	DAMP PROOFING	OCBW	ON CENTER BOTH WAYS	WALG	WALL GUARD
DN	DOWN	OCH	ON CENTER HORIZONTALLY	WC	WATERCLOSET
DR	DOOR	OCV	ON CENTER VERTICALLY	WCJ	WALL CONTROL JOINT
DR OPNG	DOOR OPENING	OD	OUTSIDE DIAMETER, OVERFLOW DRAIN	WCO	WALL CLEANOUT
DR	DOWNSPOUT	OCFI	OWNER FURNISHED, CONTRACTOR INSTALLED	WD	WOOD
DS	DISPOSAL (DISPOSED)	OCFI	OWNER FURNISHED, CONTRACTOR INSTALLED	WDM	WATERPROOFING MEMBRANE
DSPL	DISPOSAL (DISPOSED)	OH	OVERHEAD	WG	WIRE GLASS
DTA	DRIP TRAP ASSEMBLY	OHS	OPEN HEARTH STEEL	WH	WATER HYDRANT
DW	DUMBWATER	OPNG	OPENING	WI	WROUGHT IRON
DWG	DRAWING(S)	OPP	OPPOSITE	WIN	WINDOW
DWR	DRAWER	ORD	OVERFLOW ROOF DRAIN	WO	WINDOW OPENING
DX	DIRECT EXPANSION	PC	PARTICLE CORE	WOM	WALK OFF MAT
E	EAST	PCF	PLUMBING CONTRACTOR	WP	WATERPROOFING
EA	EACH	PE	POUNDS PER CUBIC FOOT	WR	WATER RESISTANT
EC	ELECTRICAL CONTRACTOR	PED	PEDIMENT	WS	WALL SCOTCH
EG	EDGE GUARD	PF	PAINT FLAT	WSC	WAINSCOT
EIFS	EXTERIOR INSULATING FINISH SYSTEM	PL	PLATE	WSSV	WELDED SHEET VINYL
EHO	ELECTRIC HOLD OPEN	PLAM	PLASTIC LAMINATE	WWF	WELDED WIRE FABRIC
EJ	EXPANSION JOINT	PLAS	PLASTER	VFCI	VENDOR FURNISHED, CONTRACTOR INSTALLED
EL	ELEVATION	PLBG	PLUMBING	VFOI	VENDOR FURNISHED, OWNER INSTALLED
ELEC	ELECTRIC(AL)	PLYWD	PLYWOOD	V	VENT
EMER	EMERGENCY	PNL	PANEL	VAC	VACUUM
EP	EPOXY PAINT	PNT	PAINT(ED)	VC	VARIEGATED COATING
EQ	EQUAL	POR	PORCELAIN	VCT	VINYL COMPOSITION TILE
EQUIP	EQUIPMENT	PP	PUSH PLATE	VERT	VERTICAL
EWC	ELECTRIC WATER COOLER	PR CST	PRECAST	VIF	VERIFY IN FIELD
EWS	EYE WASH STATION	PR KG	PARKING	VIN	VINYL
EX/EXIST	EXISTING	PR	PAIR	VR	VAPOR RETARDER
EXH FN	EXHAUST FAN	PRV	PRESSURE REDUCING VALVE	VT	VINYL TILE
EXH	EXHAUST	PS	PAINT SEMI-GLOSS	VTR	VENT THROUGH ROOF
EXP BT	EXPANSION BOLT/S	PSF	POUNDS PER SQUARE FOOT	VVC	VINYL WALL COVERING
EXP	EXPOSED, EXPANSION	PSI	POUNDS PER SQUARE INCH	VWF	VINYL WALL FABRIC
EXT	EXTERIOR	PT	PRESSURE TREATED	W	WIDE
EXTR	EXTRUDED	PTD	PAPER TOWEL DISPENSER	W/	WITH
F&T	FLOAT & THERMOSTAT	PTH	PASS-THRU	W/O	WITHOUT
FACP	FIRE ALARM CABINET PANEL	PTN	PARTITION	WALG	WALL GUARD
FCO	FLOOR CLEANOUT	PTS	PNEUMATIC TUBE STATION	WC	WATERCLOSET
FD	FLOOR DRAIN	PV	PLUG VALVE	WCJ	WALL CONTROL JOINT
FDTH	FOUNDATION	PVC	POLYVINYL CHLORIDE	WCO	WALL CLEANOUT
FE	FIRE EXTINGUISHER	PVCB	PVC BASE	WD	WOOD
FEC	FIRE EXTINGUISHER CABINET	PVM	PVC MOUNTING	WDM	WATERPROOFING MEMBRANE
FF EL	FINISH FLOOR ELEVATION	PVR	PVC REINFORCED	WG	WIRE GLASS
FHC	FIRE HOSE CABINET	PW	POWER	WH	WATER HYDRANT
FHVC	FIRE HOSE VALVE CABINET	QT	QUARRY TILE	WI	WROUGHT IRON
FIN FL	FINISHED FLOOR	RAD	RADIUS	WIN	WINDOW
FIN	FINISH(ED)	RB	RUBBER BASE	WO	WINDOW OPENING
FIX	FIXTURE	RBR	RUBBER OR RADIUS	WOM	WALK OFF MAT
FLASH	FLASHING	ROP	REINFORCED CONCRETE PIPE	WP	WATERPROOFING
FLEX	FLEXIBLE	RD	ROOF DRAIN	WR	WATER RESISTANT
FLR SK	FLOOR SINK	RECP	RECEPTOR (AC/L)	WS	WALL SCOTCH
FLR	FLOOR(ING)	REF	REFERENCE, REFRIGERATOR	WSC	WAINSCOT
FLW	FLOOR SWITCH	REIN	REINFORCE(D), (NG), (MENT)	WSSV	WELDED SHEET VINYL
FLUOR	FLUORESCENT	REQD	REQUIRED	WWF	WELDED WIRE FABRIC
FMT	FLOOR MOUNTED TOILET	RES	RESILIENT	VFCI	VENDOR FURNISHED, CONTRACTOR INSTALLED
FOC	FACE OF CONCRETE			VFOI	VENDOR FURNISHED, OWNER INSTALLED
FOF	FACE OF FINISH			V	VENT
FOM	FACE OF MASONRY			VAC	VACUUM
FOS	FACE OF STUDS			VC	VARIEGATED COATING
FOW	FACE OF WALL			VCT	VINYL COMPOSITION TILE
FP	FIREPROOF(ING)			VERT	VERTICAL
FR	FIRE RATED			VIF	VERIFY IN FIELD
FRP	FIBERGLASS REINFORCED PLASTIC			VIN	VINYL
FT	FOOT			VR	VAPOR RETARDER
FTG	FOOTING			VT	VINYL TILE
FVB	FILM VIEW BOX			VTR	VENT THROUGH ROOF
FVC	FABRIC WALL COVERING			VVC	VINYL WALL COVERING
G	NATURAL GAS LINE			VWF	VINYL WALL FABRIC
GA	GAGE, GAUGE			W	WIDE
GALV	GALVANIZED			W/	WITH
GB	GRAB BAR			W/O	WITHOUT
GC	GENERAL CONTRACT(OR)			WALG	WALL GUARD
GFRC/GRC	GLASS FIBER REINFORCED CEMENT			WC	WATERCLOSET
GRG	GLASS FIBER REINFORCED GYPSUM			WCJ	WALL CONTROL JOINT
GL	GLASS, GLAZING			WCO	WALL CLEANOUT
GLZ CMU	GLAZED MASONRY UNIT			WD	WOOD
GND	GROUND			WDM	WATERPROOFING MEMBRANE
GSKT	GASKET(ED)			WG	WIRE GLASS
GSU	GLAZED STRUCTURAL UNIT			WH	WATER HYDRANT
GTV	GATE VALVE			WI	WROUGHT IRON
GW	GREASE WASTE			WIN	WINDOW
GYP BD	GYPSUM BOARD			WO	WINDOW OPENING

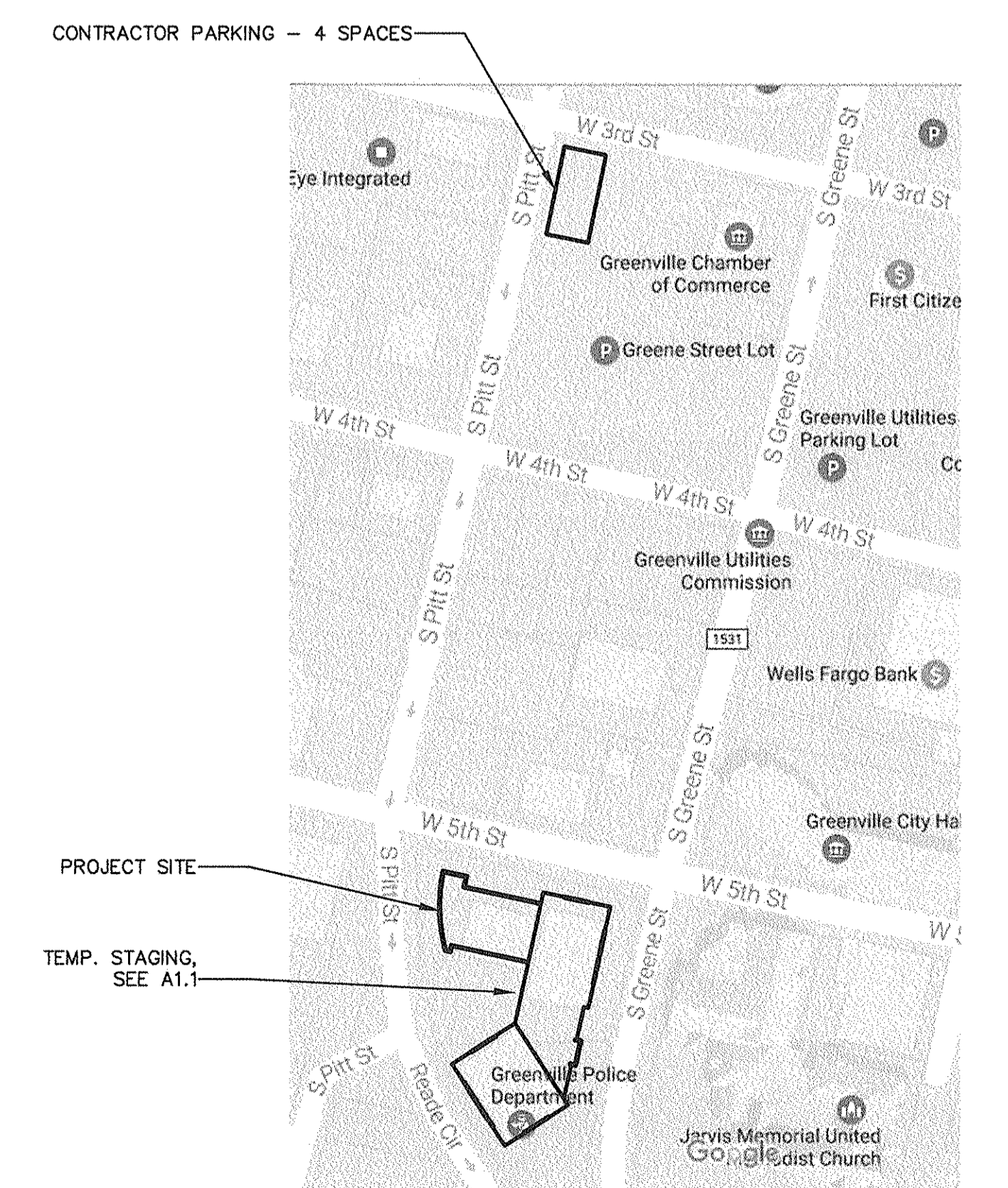
Construction Notes

- GENERAL CONSTRUCTION NOTES:**
- ALL CUTTING AND PATCHING SHALL BE DONE BY THE GENERAL CONTRACTOR AS OUTLINED IN THE SUPPLEMENTARY GENERAL CONDITIONS OF THE SPECIFICATIONS. PATCHES IN FINISH SURFACES SHALL MATCH THE ADJACENT SURFACES IN MATERIAL, FINISH AND QUALITY.
 - NEW WORK EXTENDING EXISTING CONDITIONS SHALL ALIGN WITH AND MATCH EXISTING WORK EXCEPT WHERE OTHERWISE DIMENSIONED OR DETAILED.
 - CONTRACTOR SHALL VERIFY THE OWNER'S REQUIREMENTS FOR INTERIM LIFE SAFETY MEASURES TO BE ENFORCED DURING CONSTRUCTION PRIOR TO THE START OF CONSTRUCTION. ADDITIONAL INTERIM LIFE SAFETY REQUIREMENTS MAY BE INCLUDED IN THE CONSTRUCTION DOCUMENTS.
 - THE OWNER'S SAFETY PERSONNEL HAVE THE AUTHORITY TO ORDER WORK TO BE STOPPED IF, IN THEIR OPINION, VISITORS OR STAFF MEMBERS ARE BEING PLACED AT UNNECESSARY OR UNACCEPTABLE RISK OF CONSTRUCTION HAZARDS.
 - ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH THE NFPA 241 STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, LATEST EDITION, UNLESS A MORE STRINGENT REQUIREMENT IS INCLUDED IN THE LOCAL CODES AND/OR CONTRACT DOCUMENTS.
 - SEE SHEET A1.1 FOR TEMPORARY STAGING AREA NEXT TO BUILDING.
 - SEE VICINITY MAP, THIS SHEET, FOR CONTRACTOR PARKING.

- DEMOLITION NOTES:**
- ALL DEMOLITION WORK SHALL BE PERFORMED WITH "DUE CARE AND DILIGENCE" SO AS TO PREVENT THE ARBITRARY DESTRUCTION OR INTERRUPTION OF CONCEALED UTILITIES WHICH ARE INTENDED TO REMAIN IN USE AND THE ROUTING OF WHICH COULD NOT BE PREDETERMINED UNTIL DEMOLITION WAS STARTED. ALL SUCH DISCOVERIES OF UTILITIES DURING THE DEMOLITION PROCESS WHICH ARE IN A LOCATION DIFFERENT FROM THAT INDICATED, OR ARE UNIDENTIFIED SHALL BE REPORTED TO THE ARCHITECT BEFORE REMOVAL.
 - CONCEALED OR UNKNOWN CONDITIONS ENCOUNTERED WHICH DIFFER MATERIALLY FROM THOSE INDICATED OR REASONABLY IMPLIED BY THE CONTRACT DOCUMENTS.
 - CONCEALED PHYSICAL CONDITIONS IN THE EXISTING STRUCTURE OF AN UNUSUAL NATURE.
 - EXISTING CONSTRUCTION TO BE REMOVED:
 - THE GENERAL CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DESIGNATED AND/OR SHOWN TO BE REMOVED TO RECEIVE NEW WORK AS HEREIN INDICATED.
 - EXISTING AREAS, WHETHER WITHIN OR OUTSIDE THE LIMITS OF THE CONTRACT, SHALL BE REPAIRED WHERE ANY DAMAGE HAS OCCURRED DUE TO CONSTRUCTION.

Drawing Index

- GENERAL:**
- G1.1 COVER SHEET
 - G1.2 DRAWING INDEX, CONSTRUCTION NOTES, ARCHITECTURAL SYMBOLS & ABBREVIATIONS
 - G1.2 NORTH CAROLINA BUILDING CODE SUMMARY
- ARCHITECTURAL:**
- A1.1 DEMOLITION ROOF PLAN
 - A3.1 NEW WORK ROOF PLAN
 - A7.1 DETAILS
 - A7.2 DETAILS
 - A7.3 TYPICAL TPO ROOFING DETAILS



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REV	DATE	DESCRIPTION	BY	CHK	REL
0	4/23/17	ISSUED FOR CONSTRUCTION			

EG PROJECT NO. 20160182

CLIENT PROJECT NO. WORK ORDER NO. 22

PROJECT TITLE

**CITY OF GREENVILLE
POLICE FIRE-RESCUE
HEADQUARTERS
ROOF REPLACEMENT**

DRAWING TITLE

**DRAWING INDEX,
CONSTRUCTION
NOTES,
ARCHITECTURAL
SYMBOLS &
ABBREVIATIONS**

DRAWING NO.

G1.1

BUILDING CODE SUMMARY

NORTH CAROLINA ADMINISTRATIVE CODE AND POLICIES, 2012 - APPENDIX B

NAME OF PROJECT: CITY OF GREENVILLE - POLICE FIRE-RESCUE HEADQUARTERS ROOF REPLACEMENT
ADDRESS: 500 S. GREENE ST., GREENVILLE, NC ZIP CODE: 27834
PROPOSED USE: UNCHANGED
OWNER/AUTHORIZED AGENT: ROSS PETERSON PHONE #: (252) 329-4921
OWNED BY: CITY/COUNTY PRIVATE STATE
CODE ENFORCEMENT JURISDICTION: CITY GREENVILLE, NC COUNTY N/A STATE

Table with columns: DESIGNER, FIRM, NAME, LICENSE #, TELEPHONE #. Rows include Architectural, Civil, Electrical, Fire Alarm, Plumbing, Mechanical, Sprinkler-Standpipe, Structural, RTG. Walls >5' High, Landscape.

2012 EDITION OF NC CODE FOR: NEW CONSTRUCTION ADDITION UPFIT
EXISTING: RECONSTRUCTION ALTERATION REPAIR RENOVATION
CONSTRUCTED (DATE): ORIGINAL USE(S) (CH. 3):
RENOVATED (DATE): CURRENT USE(S) (CH. 3):
PROPOSED USE(S) (CH. 3):

BUILDING DATA table with columns: FLOOR, EXISTING (SQ FT), RENOVATION (SQ FT), NEW (SQ FT), SUB-TOTAL. Rows for 7th, 6th, 5th, 4th, 3rd, 2nd, 1st floors and BASEMENT, TOTAL.

ALLOWABLE AREA
OCCUPANCY: ASSEMBLY, BUSINESS, FACTORY, HAZARDOUS, INSTITUTIONAL, I-3 CONDITION, MERCANTILE, RESIDENTIAL, STORAGE
ACCESSORY OCCUPANCIES: FURNACE ROOM, ROOMS WITH BOILERS, REFRIGERANT MACHINE ROOM, HYDROGEN CUTOFF ROOMS, INCINERATOR ROOMS, PAINT SHOPS, LABORATORIES, LAUNDRY ROOMS, GROUP I-3 CELLS, GROUP I-2 WASTE AND LINEN COLLECTION ROOMS, WASTE AND LINEN COLLECTION ROOMS OVER 100 SQUARE FEET

ALLOWABLE AREA (CONTINUED)
STATIONARY STORAGE BATTERY SYSTEMS HAVING A LIQUID ELECTROLYTE CAPACITY OF MORE THAN 50 GALLONS...
ROOMS CONTAINING FIRE PUMPS
GROUP 1-2 STORAGE ROOMS OVER 100 SQUARE FEET
GROUP 1-2 COMMERCIAL KITCHENS
GROUP 1-2 LAUNDRIES EQUAL TO OR LESS THAN 100 SQUARE FEET
GROUP 1-2 ROOMS OR SPACES THAT CONTAIN FUEL-FIRED HEATING EQUIPMENT
SPECIAL USES: 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427
SPECIAL PROVISIONS: 509.2, 509.3, 509.4, 509.5, 509.6, 509.7, 509.8, 509.9
MIXED OCCUPANCY: NO YES SEPARATION: 0 HR. EXCEPTION:
INCIDENTAL USE SEPARATION (508.2.5)
NONSEPARATED USE (508.3.2)
SEPARATED USE (508.3.3)
ACTUAL AREA OF OCCUPANCY A + ACTUAL AREA OF OCCUPANCY B / ALLOWABLE AREA OF OCCUPANCY A - ALLOWABLE AREA OF OCCUPANCY B <= 1.00

Table with columns: STORY NO., DESCRIPTION AND USE, (A) BLDG AREA PER STORY (ACTUAL), (B) TABLE 503.1 AREA, (C) AREA FOR FRONTAGE INCREASE, (D) AREA FOR SPRINKLER INCREASE, (E) ALLOWABLE AREA OR UNLIMITED, (F) MAXIMUM BUILDING AREA.

1. FRONTAGE AREA INCREASES FROM SECTION 506.2 ARE COMPUTED THUS:
a. PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = (P)
b. TOTAL BUILDING PERIMETER = (P)
c. RATIO (F/P) = (F/P)
d. W = MINIMUM WIDTH OF PUBLIC WAY = (W)
e. PERCENTAGE OF FRONTAGE INCREASE I = 100[F/P - 0.25] x W/30 = (%)
2. THE SPRINKLER INCREASE PER SECTION 506.3 IS AS FOLLOWS:
a. MULTI-STORY BUILDING I = 200 PERCENT
b. SINGLE STORY BUILDING I = 300 PERCENT
3. UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507.
4. MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES IN THE BUILDING x E (506.4).
5. THE MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.3.5. THE MAXIMUM AREA OF AIR TRAFFIC CONTROL TOWERS MUST COMPLY WITH TABLE 412.1.2.

ALLOWABLE HEIGHT table with columns: TYPE OF CONSTRUCTION, TYPE, ALLOWABLE HEIGHT IN FEET, BUILDING HEIGHT IN STORIES, INCREASE FOR SPRINKLERS, SHOWN ON PLANS, CODE REFERENCE.

FIRE PROTECTION REQUIREMENTS table with columns: BUILDING ELEMENT, FIRE SEPARATION DISTANCE (FEET), RATING PROVIDED, DETAIL # AND SHEET #, DESIGN # FOR RATED ASSEMBLY, DESIGN # FOR RATED PENETRATION, DESIGN # FOR RATED JOINTS.

LIFE SAFETY SYSTEM REQUIREMENTS
EMERGENCY LIGHTING: NO YES
EXIT SIGNS: NO YES
FIRE ALARM: NO YES
SMOKE DETECTION SYSTEMS: NO YES PARTIAL
PANIC HARDWARE: NO YES

LIFE SAFETY PLAN REQUIREMENTS
LIFE SAFETY PLAN SHEET #: N/A
FIRE AND/OR SMOKE RATED WALL LOCATIONS (CHAPTER 7)
ASSUMED AND REAL PROPERTY LINE LOCATIONS
EXTERIOR WALL OPENING AREA WITH RESPECT TO DISTANCE TO ASSUMED PROPERTY LINES (705.8)
EXISTING STRUCTURES WITHIN 30 FEET OF THE PROPOSED BUILDING
OCCUPANCY TYPES FOR EACH AREA AS IT RELATES TO OCCUPANT LOAD CALCULATION (TABLE 1004.1.1)
OCCUPANT LOADS FOR EACH AREA
EXIT ACCESS TRAVEL DISTANCES (1016)
COMMON PATH OF TRAVEL DISTANCES (1014.3 & 1028.8)
DEAD END LENGTHS (1018.4)
CLEAR EXIT WIDTHS FOR EACH EXIT DOOR
MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (1005.1)
ACTUAL OCCUPANT LOAD FOR EACH EXIT DOOR
A SEPARATE SCHEMATIC PLAN INDICATING WHERE FIRE RATED FLOOR/CEILING AND/OR ROOF STRUCTURE IS PROVIDED FOR PURPOSES OF OCCUPANCY SEPARATION
LOCATION OF DOORS WITH PANIC HARDWARE (1008.1.10)
LOCATION OF DOORS WITH DELAYED EGRESS LOOKS AND THE AMOUNT OF DELAY (1008.1.9.7)
LOCATION OF DOORS WITH ELECTROMAGNETIC EGRESS LOCKS (1008.1.9.8)
LOCATION OF DOORS EQUIPPED WITH HOLD-OPEN DEVICES
LOCATION OF EMERGENCY ESCAPE WINDOWS (1029)
THE SQUARE FOOTAGE OF EACH FIRE AREA (902)
THE SQUARE FOOTAGE OF EACH SMOKE COMPARTMENT (407.4)
NOTE ANY CODE EXCEPTIONS OR TABLE NOTES THAT MAY HAVE BEEN UTILIZED REGARDING THE ITEMS ABOVE

ACCESSIBILITY PARKING (SECTION 1106) table with columns: LOT OR PARKING AREA, TOTAL # OF PARKING SPACES REQUIRED, PROVIDED, # OF ACCESSIBLE SPACES PROVIDED (REGULAR WITH 5' ACCESS AISLE, VAN SPACES WITH 132" AISLE, 8' AISLE), TOTAL # ACCESSIBLE PROVIDED.

STRUCTURAL DESIGN
DESIGN LOADS: IMPORTANCE FACTORS: WIND (I_w), SNOW (I_s), SEISMIC (I_e)
LIVE LOADS: ROOF, MEZZANINE, FLOOR
GROUND SNOW LOAD: PSF
WIND LOAD: BASIC WIND SPEED, EXPOSURE CATEGORY, WIND BASE SHEARS (FOR MWFRS)
SEISMIC DESIGN CATEGORY: A, B, C, D
OCCUPANCY CATEGORY (TABLE 1604.5): I, II, III, IV
SPECTRAL RESPONSE ACCELERATION: S_a, S_1, %g
SITE CLASSIFICATION (TABLE 1613.5.2): A, B, C, D, E, F
DATA SOURCE: FIELD TEST, PRESUMPTIVE, HISTORICAL DATA
BASIC STRUCTURAL SYSTEM (CHECK ONE): BEARING WALL, BUILDING FRAME, MOMENT FRAME
SEISMIC BASE SHEAR: V_u =
ANALYSIS PROCEDURE: SIMPLIFIED, EQUIVALENT LATERAL FORCE, DYNAMIC
ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED? YES NO
LATERAL DESIGN CONTROL: EARTHQUAKE, WIND
SOIL BEARING CAPACITIES: FIELD TEST, PRESUMPTIVE BEARING CAPACITY, PILE SIZE, TYPE, AND CAPACITY
SPECIAL INSPECTIONS REQUIRED: YES NO

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1) table with columns: USE, WATER CLOSETS (MALE, FEMALE), URINALS, LAVATORIES (MALE, FEMALE), SHOWERS/TUBS, DRINKING FOUNTAINS (REGULAR, ACCESSIBLE).

SPECIAL APPROVALS
(Local Jurisdiction, DOI, OSC, DPI, DHHS, ICC, ETC., DESCRIBE BELOW)

ENERGY SUMMARY
ENERGY REQUIREMENTS: CLIMATE ZONE: 3, 4, 5
METHOD OF COMPLIANCE: ENERGY CODE: PRESCRIPTIVE PERFORMANCE, ASHRAE 90.1: PRESCRIPTIVE PERFORMANCE
THERMAL ENVELOPE: ROOF/CEILING ASSEMBLY (EACH ASSEMBLY): DESCRIPTION OF ASSEMBLY, U-VALUE OF TOTAL ASSEMBLY, R-VALUE OF INSULATION, SKYLIGHTS IN EACH ASSEMBLY, U-VALUE OF SKYLIGHT, TOTAL SQUARE FOOTAGE OF SKYLIGHTS IN EACH ASSEMBLY
EXTERIOR WALLS (EACH ASSEMBLY): DESCRIPTION OF ASSEMBLY, U-VALUE OF TOTAL ASSEMBLY, R-VALUE OF INSULATION, OPENINGS (WINDOWS OR DOORS WITH GLAZING), U-VALUE OF ASSEMBLY, SOLAR HEAT GAIN COEFFICIENT, PROJECTION FACTOR, DOOR R-VALUES
WALLS BELOW GRADE (EACH ASSEMBLY): DESCRIPTION OF ASSEMBLY, U-VALUE OF TOTAL ASSEMBLY, R-VALUE OF INSULATION
FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY): DESCRIPTION OF ASSEMBLY, U-VALUE OF TOTAL ASSEMBLY, R-VALUE OF INSULATION
FLOORS SLAB ON GRADE: DESCRIPTION OF ASSEMBLY, U-VALUE OF TOTAL ASSEMBLY, R-VALUE OF INSULATION, HORIZONTAL/VERTICAL REQUIREMENT, SLAB HEATED

MECHANICAL SUMMARY
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT: METHOD OF COMPLIANCE: ENERGY CODE: PRESCRIPTIVE PERFORMANCE, ASHRAE 90.1: PRESCRIPTIVE PERFORMANCE
THERMAL ZONE: WINTER DRY BULB, SUMMER DRY BULB
INTERIOR DESIGN CONDITIONS: WINTER DRY BULB, SUMMER DRY BULB, RELATIVE HUMIDITY
BUILDING HEATING LOAD:
BUILDING COOLING LOAD:
MECHANICAL SPACE CONDITIONING SYSTEM: UNITARY: DESCRIPTION OF UNIT, HEATING EFFICIENCY, COOLING EFFICIENCY, SIZE CATEGORY OF UNIT
BOILER: SIZE CATEGORY, IF OVERSIZED, STATE REASON
CHILLER: SIZE CATEGORY, IF OVERSIZED, STATE REASON
LIST EQUIPMENT EFFICIENCIES:

ELECTRICAL SUMMARY
ELECTRICAL SYSTEM AND EQUIPMENT: METHOD OF COMPLIANCE: ENERGY CODE: PRESCRIPTIVE PERFORMANCE, ASHRAE 90.1: PRESCRIPTIVE PERFORMANCE
LIGHTING SCHEDULE (EACH FIXTURE TYPE): LAMP TYPE REQUIRED IN FIXTURE, NUMBER OF LAMPS IN FIXTURE, BALLAST TYPE USED IN FIXTURE, NUMBER OF BALLASTS IN FIXTURE, TOTAL WATTAGE PER FIXTURE, TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED, TOTAL EXTERIOR WATTAGE SPECIFIED VS ALLOWED
ADDITIONAL PRESCRIPTIVE COMPLIANCE: 506.2.1 MORE EFFICIENT MECHANICAL EQUIPMENT, 506.2.2 REDUCED LIGHTING POWER DENSITY, 506.2.3 ENERGY RECOVERY VENTILATION SYSTEMS, 506.2.4 HIGHER EFFICIENCY SERVICE WATER HEATING, 506.2.5 ON-SITE SUPPLY OF RENEWABLE ENERGY, 506.2.6 AUTOMATIC DAYLIGHTING CONTROL SYSTEMS



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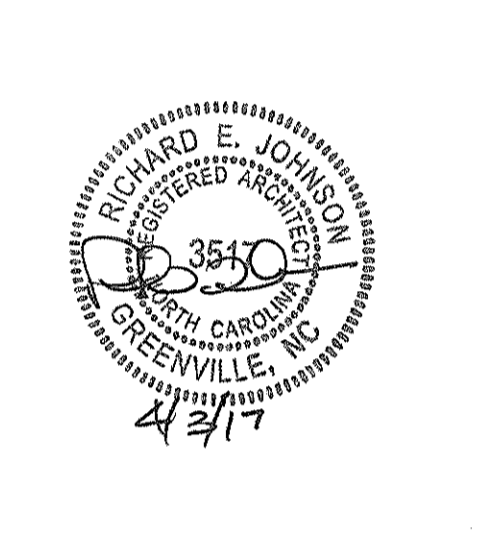


Table with columns: REV, DATE, DESCRIPTION, ISSUED FOR CONSTRUCTION. Rows for 0, 4/23/17.

REG PROJECT NO: 20160182
CLIENT PROJECT NO: WORK ORDER NO. 22
PROJECT TITLE: CITY OF GREENVILLE POLICE FIRE-RESCUE HEADQUARTERS ROOF REPLACEMENT

DRAWING TITLE: NORTH CAROLINA BUILDING CODE SUMMARY

DRAWING NO: G1.2

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REV	DATE	DESCRIPTION
0	4/23/17	ISSUED FOR CONSTRUCTION

REG PROJECT NO.	20160182
CLIENT PROJECT NO.	WORK ORDER NO. 22
PROJECT TITLE	CITY OF GREENVILLE POLICE FIRE-RESCUE HEADQUARTERS ROOF REPLACEMENT

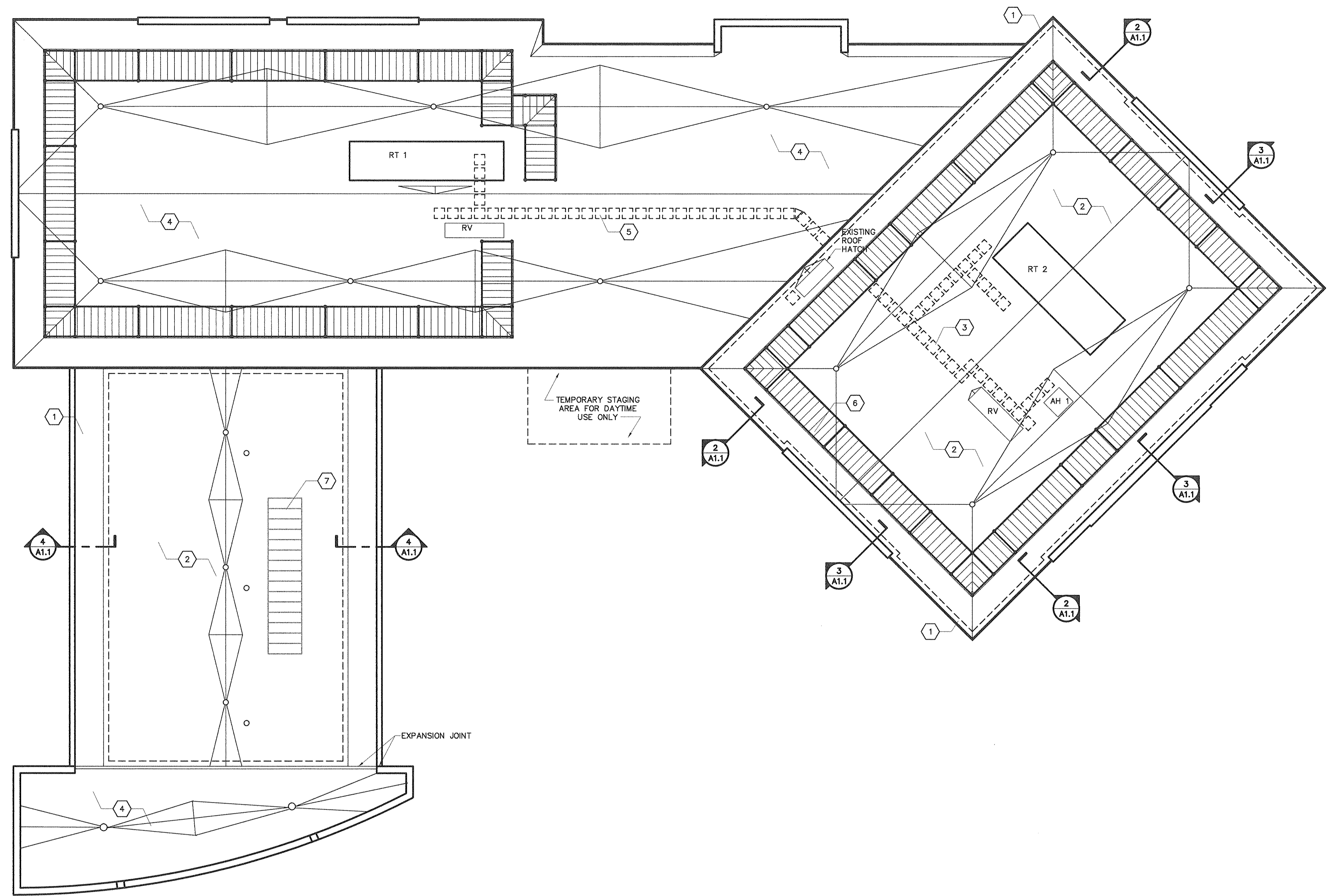
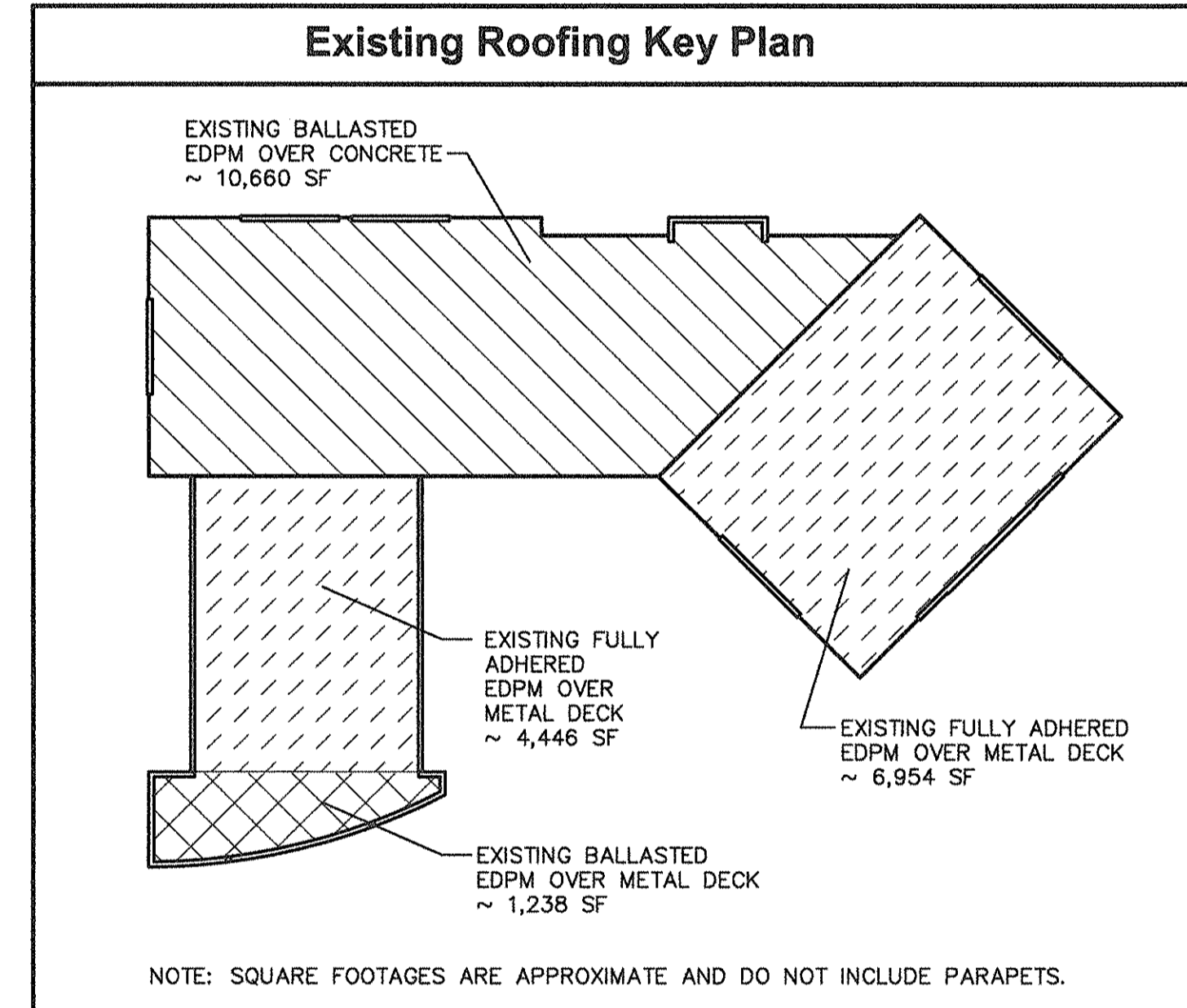
DRAWING TITLE
DEMOLITION ROOF PLAN

DRAWING NO.
A1.1

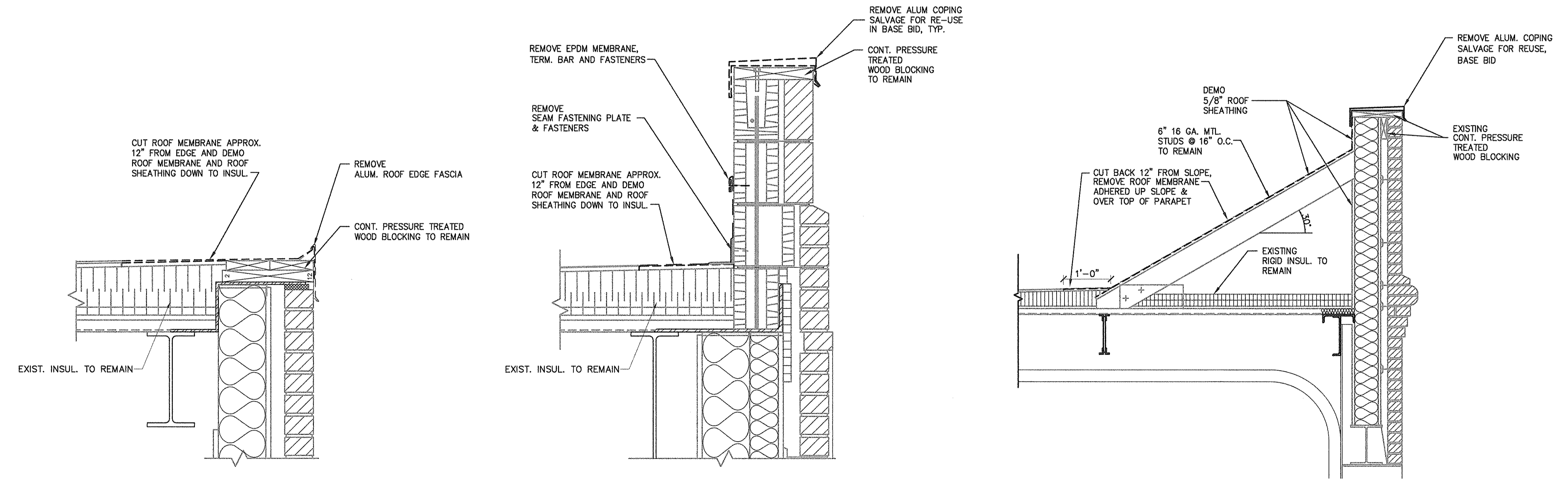
- General Notes**
- REPAIR DAMAGE AND HOLES LEFT AFTER REMOVAL OF COMPONENTS AND DEMOLITION ACTIVITY. MATCH EXISTING ADJACENT FINISH OR PREPARE FOR NEW FINISH.
 - DEMOLITION ACTIVITIES THAT CAUSE NOISE OR VIBRATION DETRIMENTAL TO OWNER ACTIVITY SHALL BE CONDUCTED AT TIMES COORDINATED WITH THE OWNER.
 - IN AREAS WHERE EXISTING ROOFING MEMBRANE, WATERPROOFING MEMBRANES, AND FLASHING ARE TO BE REPLACED WITH NEW ROOFING, WATERPROOFING MEMBRANES AND FLASHING, FULLY PREPARE SUBSTRATE TO RECEIVE NEW ROOFING MEMBRANE, WATERPROOFING MEMBRANES, & FLASHING IN ACCORDANCE WITH MANUFACTURERS' REQUIREMENTS.
 - THE OWNER HAS THE RIGHT OF FIRST REFUSAL ON ALL SYSTEM COMPONENTS REMOVED DURING DEMOLITION. SYSTEM COMPONENTS REJECTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROJECT SITE ON A DAILY BASIS.
 - EXISTING ROOF MOUNTED MECH. EQUIPMENT AND SCREENS TO REMAIN.

- Keyed Notes**
- AT FULLY ADHERED ROOFING: CUT AND DEMO ROOF MEMBRANE & SHEATHING DOWN TO INSULATION 12" AROUND PERIMETER. TYP. REMOVE MEMBRANE FROM PARAPETS, TYP. REMOVE COPING & SALVAGE FOR RE-USE, TYP.
 - AT REMAINING FULLY ADHERED ROOFING FIELD, CUT EVERY 10" FOR FULL WIDTH OF ROOF.
 - REMOVE MOLDED WALKWAY PADS, TYP.
 - AT BALLASTED ROOFING: REMOVE BALLAST, LOOSE LAID EPDM MEMBRANE, INSULATION, SEAM PLATES, TERMINATION BARS, AND FASTENERS. REMOVE COPING & SALVAGE FOR RE-USE. GO TO DELIVER BALLAST TO PUBLIC WORKS.
 - REMOVE 2' X 2' CONCRETE PAVERS, AND DISPOSE, TYP.
 - EXISTING REMOVABLE PANEL IN SCREEN WALL TO REMAIN.
 - EXISTING SOLAR PANELS TO REMAIN.

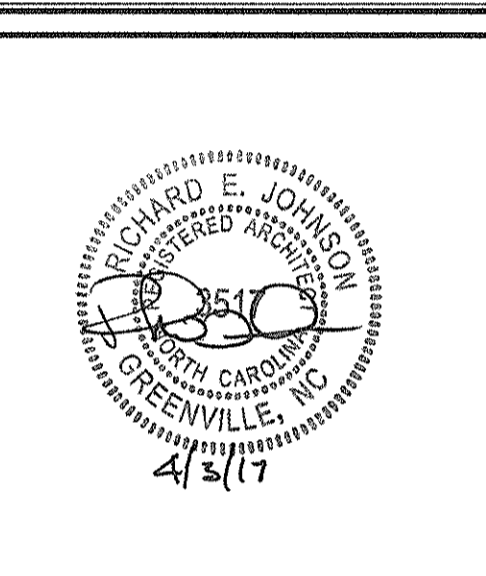
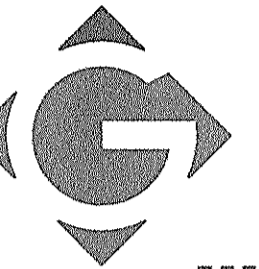
- Alternates**
- ALTERNATE NO. 1 - PROVIDE NEW COPING THROUGHOUT TO MATCH EXISTING AND AS SPECIFIED.
- ALTERNATE NO. 2 - PROVIDE NEW 60 MIL FULLY ADHERED BLACK EPDM MEMBRANE AS MANUFACTURED BY FIRESTONE OR CARLISLE IN LIEU OF TPO MEMBRANE INDICATED FOR BASE BID.



1 ROOF DEMOLITION PLAN
 SCALE: 3/32" = 1'-0"



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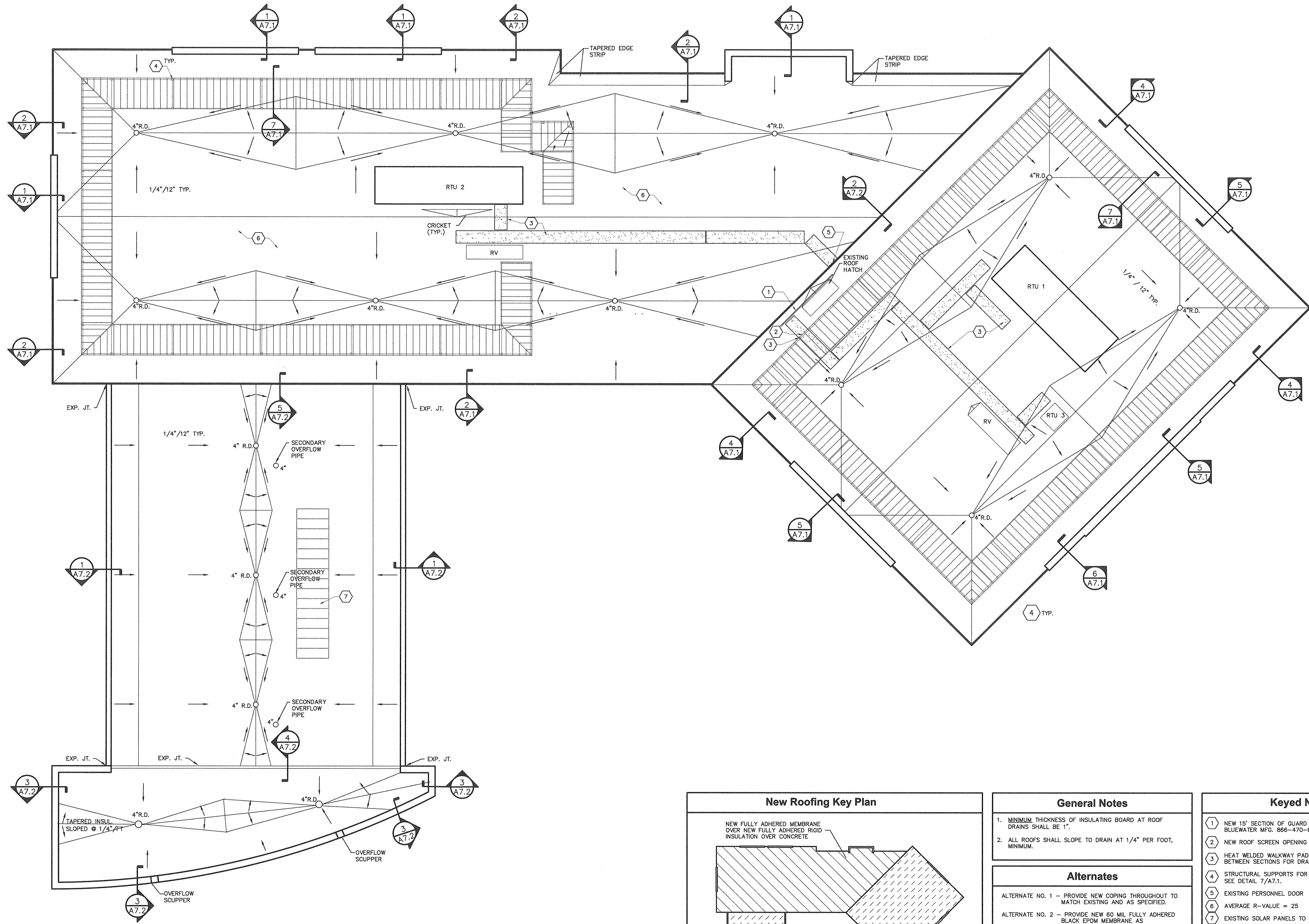


REV	DATE	DESCRIPTION
0	4/23/17	ISSUED FOR CONSTRUCTION

PROJECT NO.	20160182
CLIENT PROJECT NO.	WORK ORDER NO. 22
PROJECT TITLE	CITY OF GREENVILLE POLICE FIRE-RESCUE HEADQUARTERS ROOF REPLACEMENT

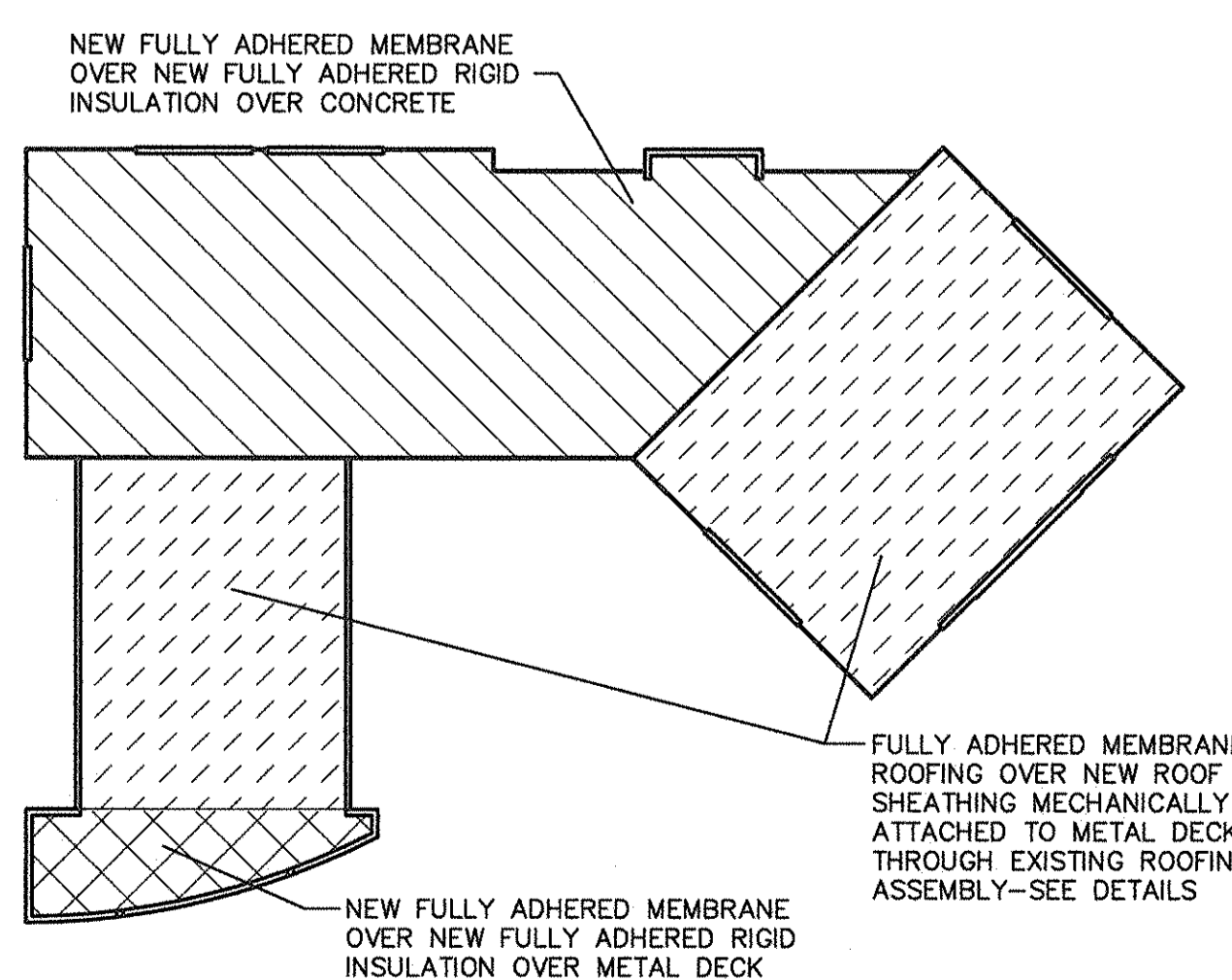
DRAWING TITLE	NEW WORK ROOF PLAN
---------------	-------------------------------

DRAWING NO.
A3.1



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

New Roofing Key Plan



General Notes

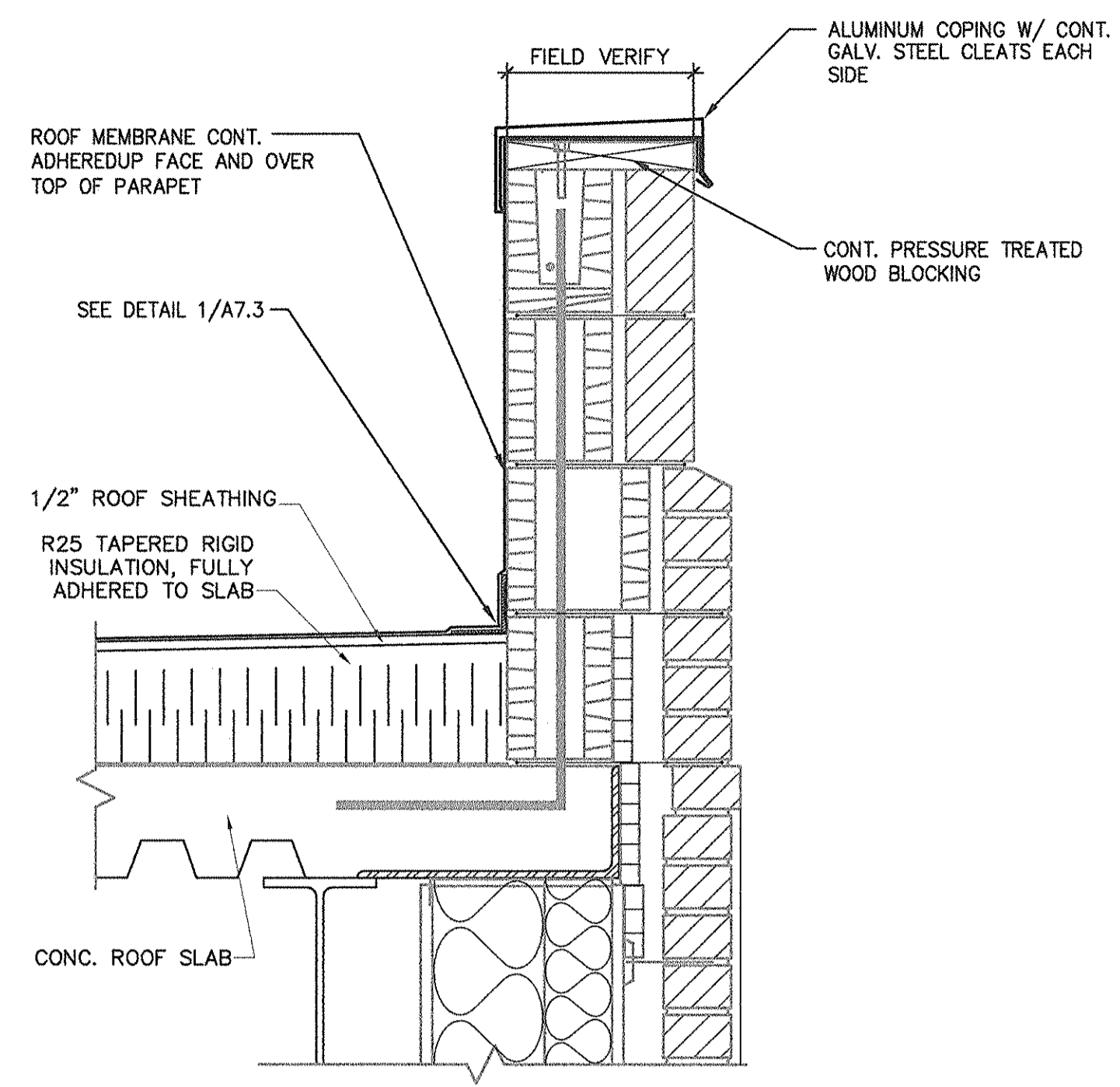
- MINIMUM THICKNESS OF INSULATING BOARD AT ROOF DRAINS SHALL BE 1".
- ALL ROOFS SHALL SLOPE TO DRAIN AT 1/4" PER FOOT, MINIMUM.

Alternates

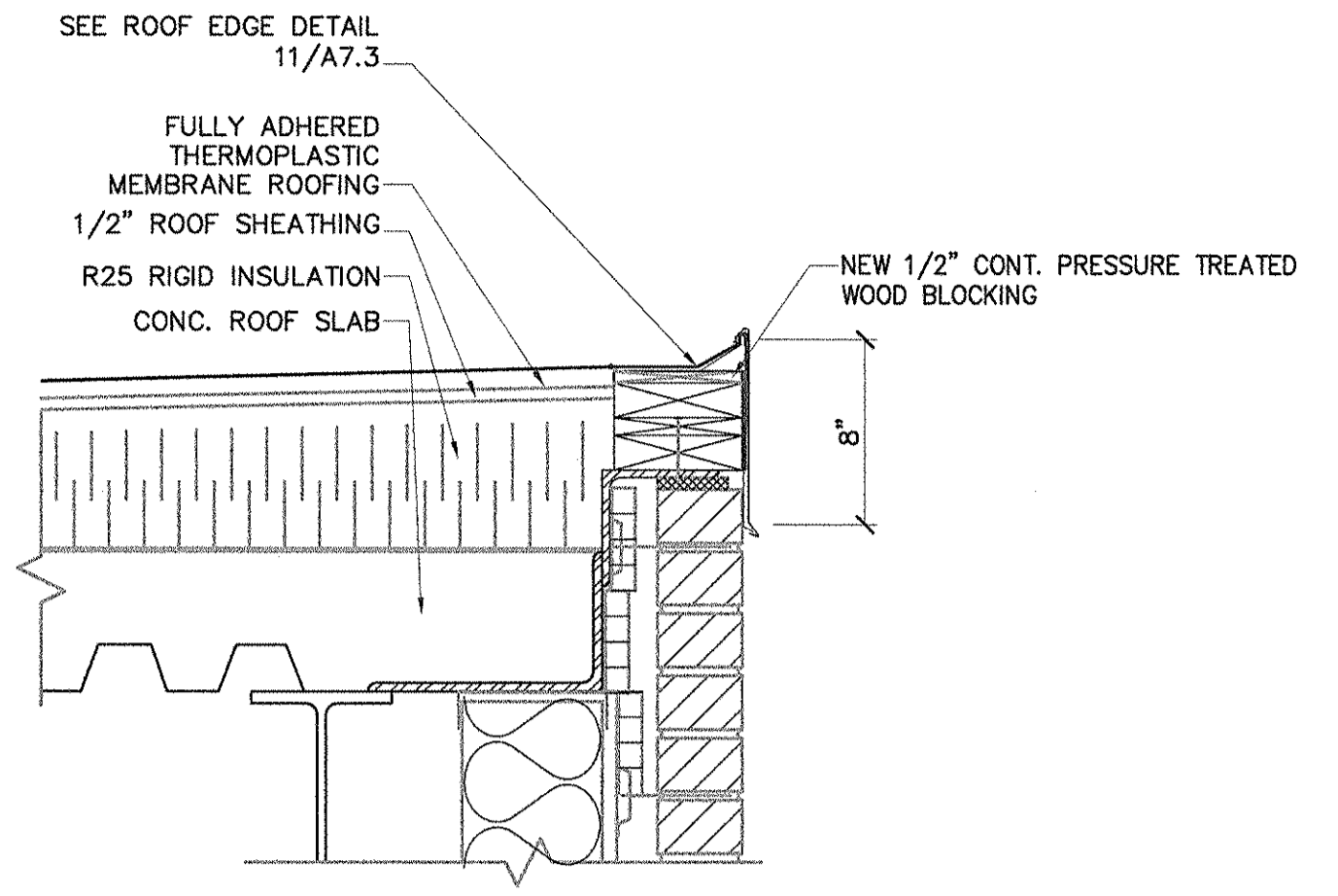
- ALTERNATE NO. 1 - PROVIDE NEW COPING THROUGHOUT TO MATCH EXISTING AND AS SPECIFIED.
- ALTERNATE NO. 2 - PROVIDE NEW 60 MIL FULLY ADHERED BLACK EPDM MEMBRANE AS MANUFACTURED BY FIRESTONE OR CARLSLE IN LIEU OF TPO MEMBRANE INDICATED FOR BASE BID.

Keyed Notes

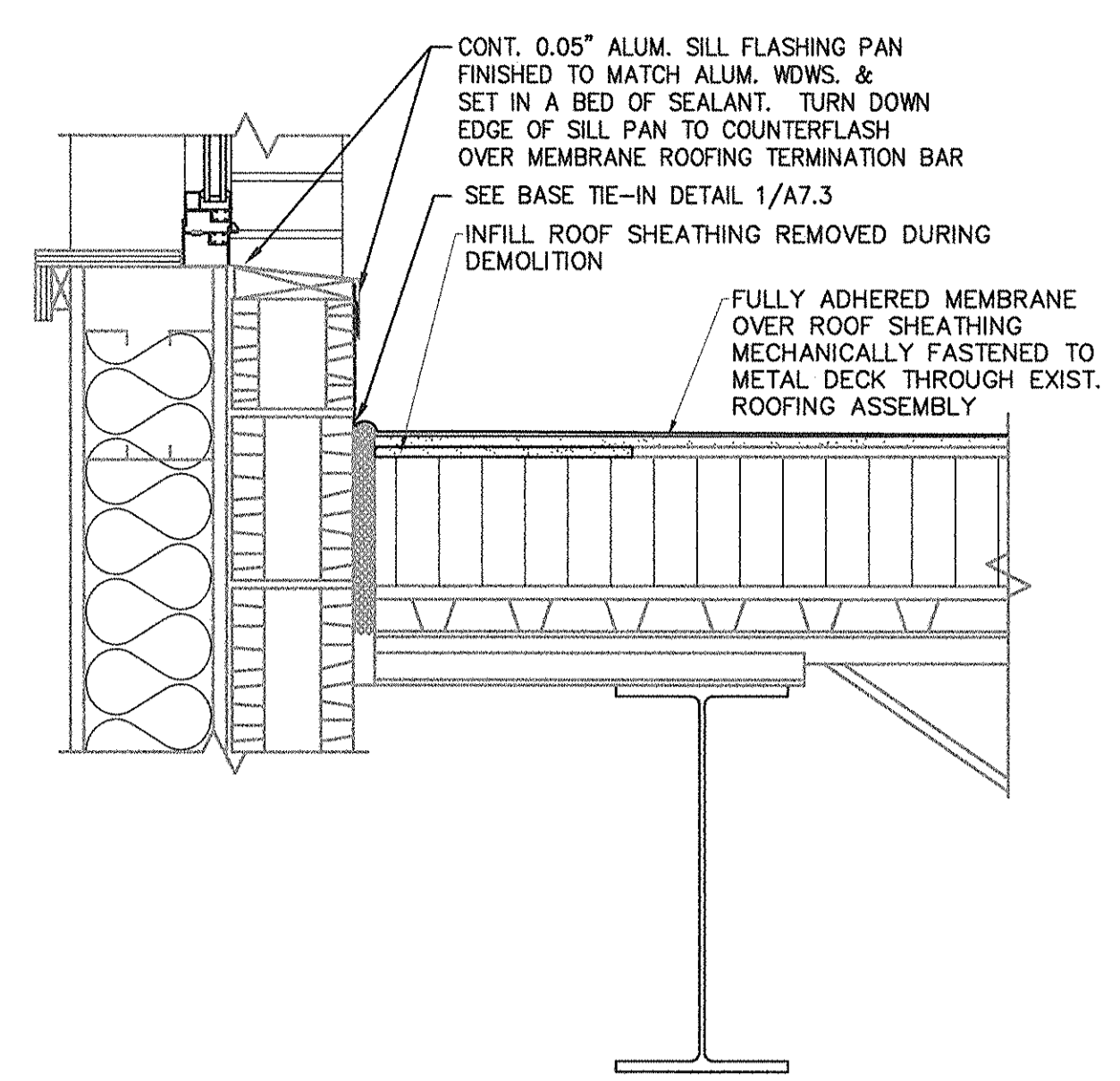
- NEW 15' SECTION OF GUARD RAIL SAFETYRAIL 2000 BY BLUEWATER MFG. 866-470-6258 OR APPROVED EQUAL.
- NEW ROOF SCREEN OPENING BY OTHERS.
- HEAT WELDED WALKWAY PAD, MAINTAIN 2" SPACE BETWEEN SECTIONS FOR DRAINAGE.
- STRUCTURAL SUPPORTS FOR EXISTING ROOF SCREEN - SEE DETAIL 7/A7.1.
- EXISTING PERSONNEL DOOR
- AVERAGE R-VALUE = 25
- EXISTING SOLAR PANELS TO REMAIN



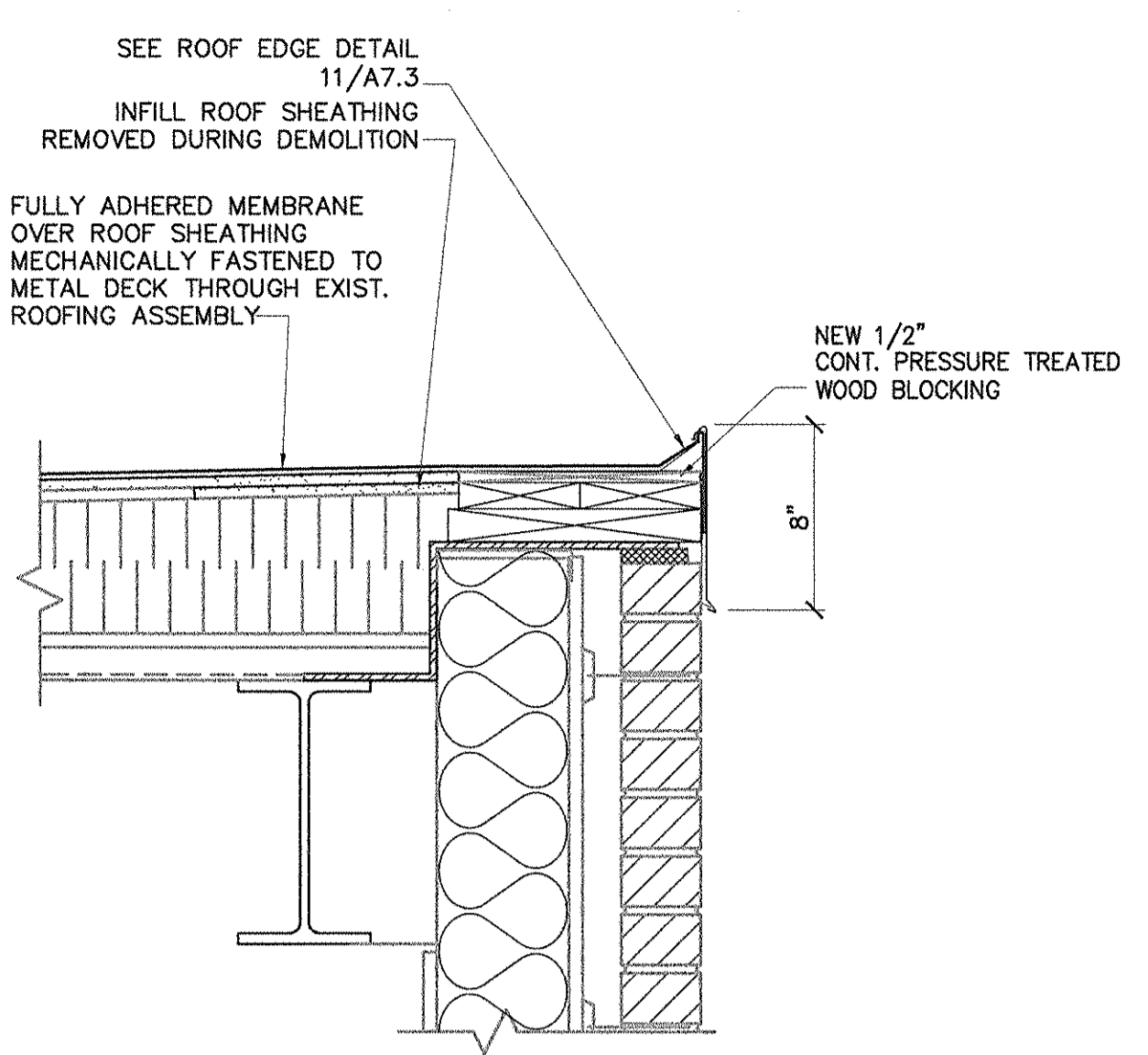
1 PARAPET
SCALE: 1 1/2" = 1'-0"



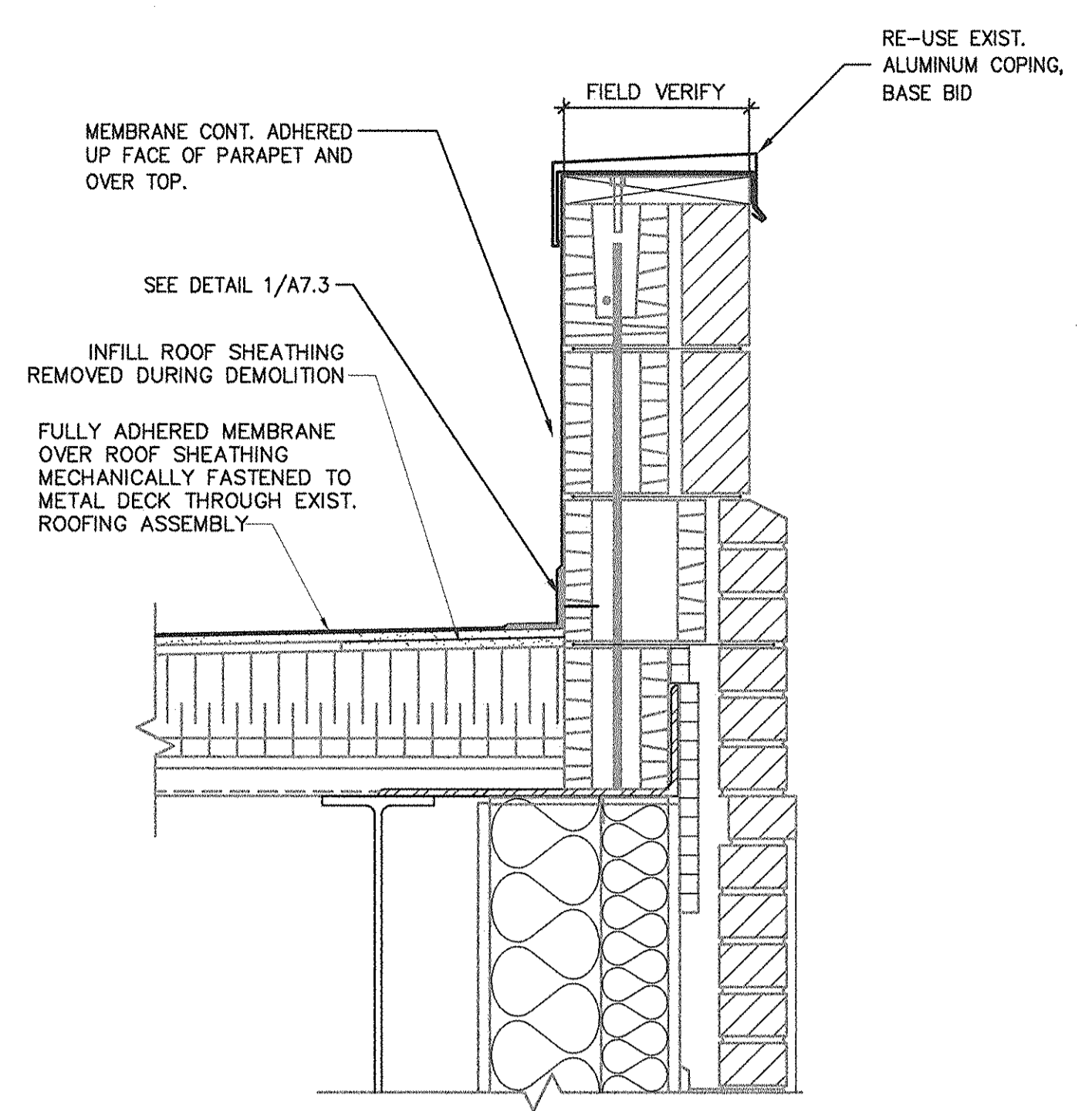
2 DETAIL
SCALE: 1 1/2" = 1'-0"



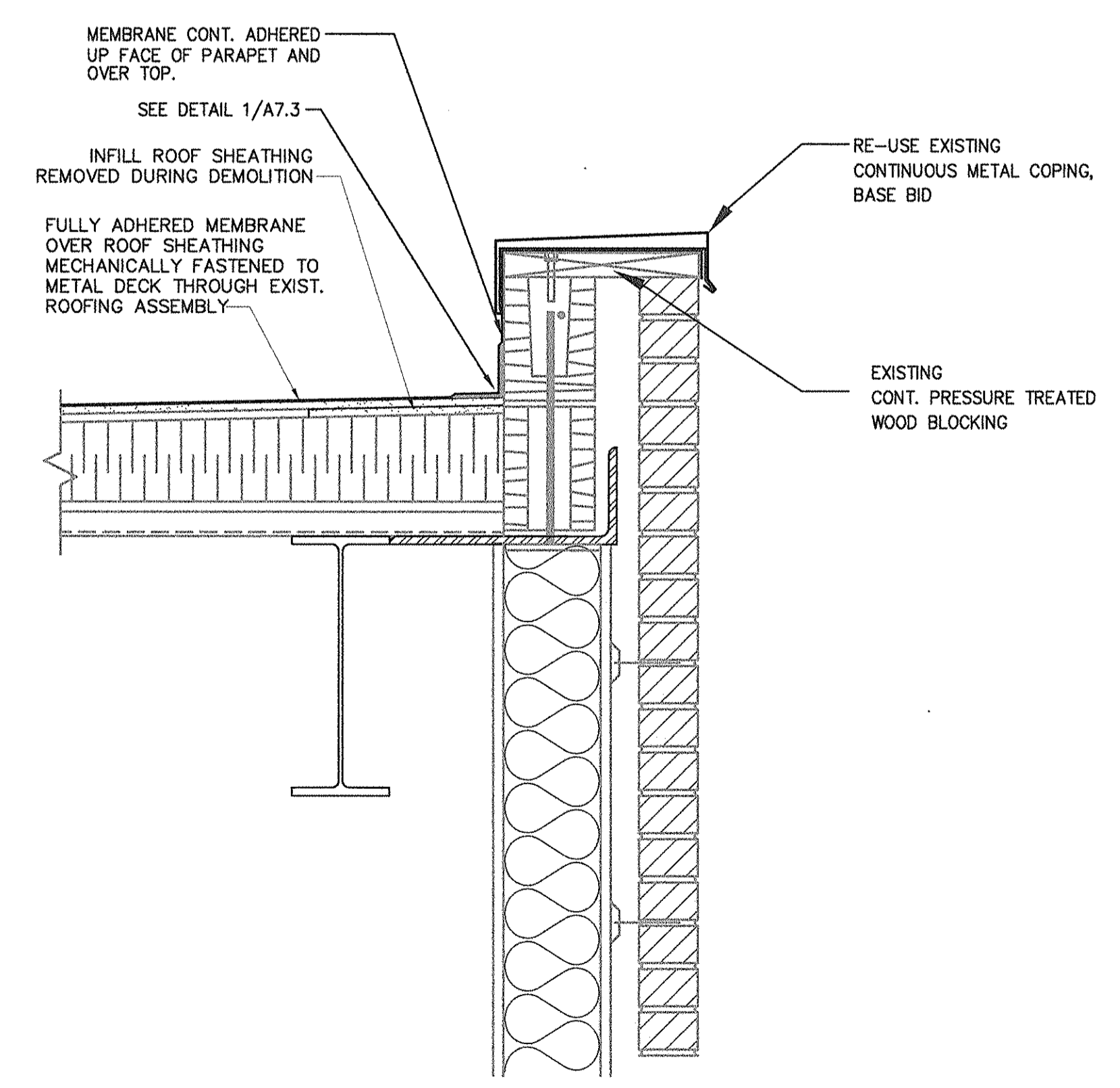
3 DETAIL
SCALE: 1 1/2" = 1'-0"



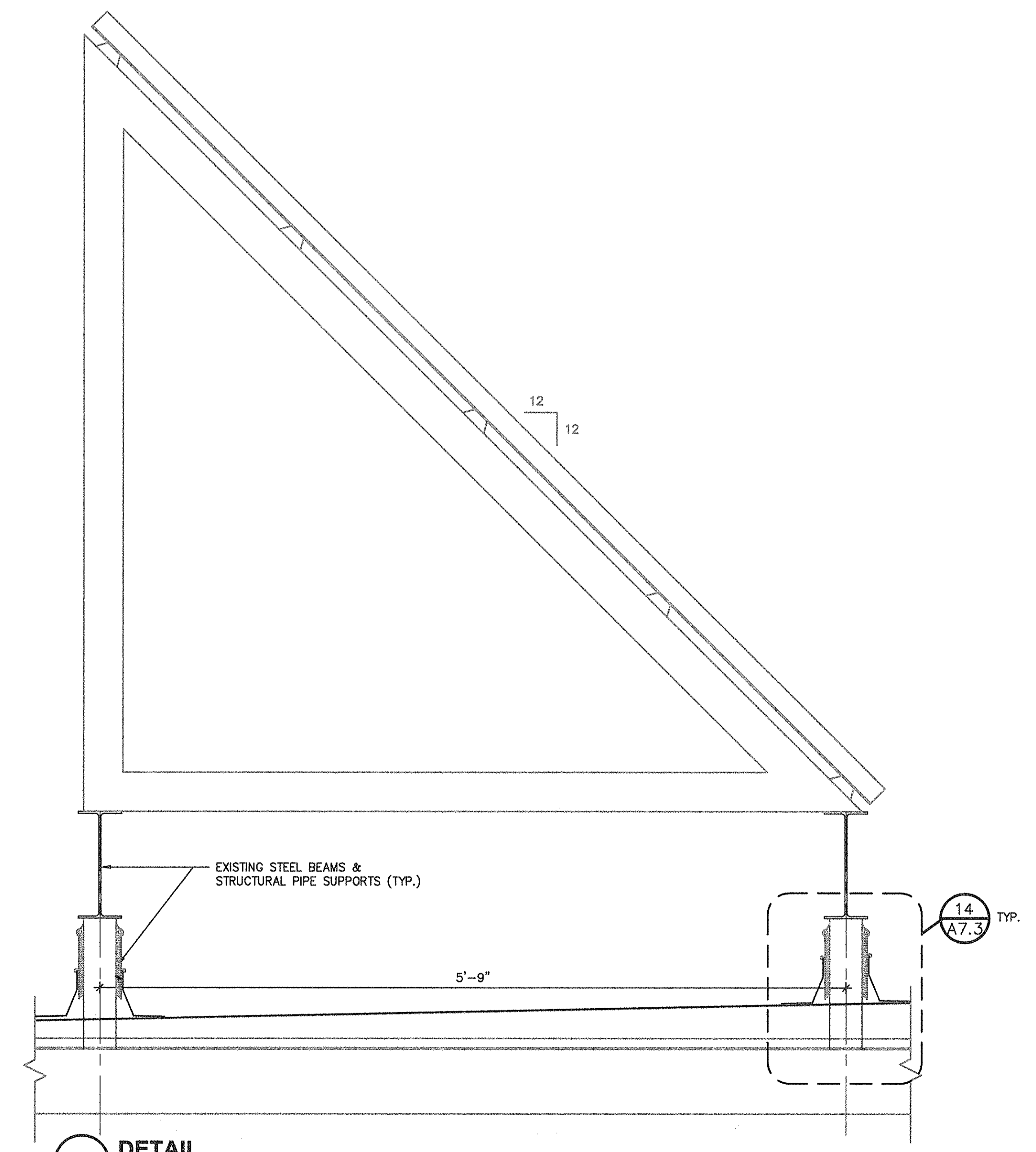
4 DETAIL
SCALE: 1 1/2" = 1'-0"



5 PARAPET
SCALE: 1 1/2" = 1'-0"



6 DETAIL
SCALE: 1 1/2" = 1'-0"



7 DETAIL
SCALE: 1 1/2" = 1'-0"

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 3517
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 4/3/17

REV.	DATE	DESCRIPTION
0	4/23/17	ISSUED FOR CONSTRUCTION

REG PROJECT NO.	20160182
CLIENT PROJECT NO.	WORK ORDER NO. 22
PROJECT TITLE	CITY OF GREENVILLE POLICE FIRE-RESCUE HEADQUARTERS ROOF REPLACEMENT

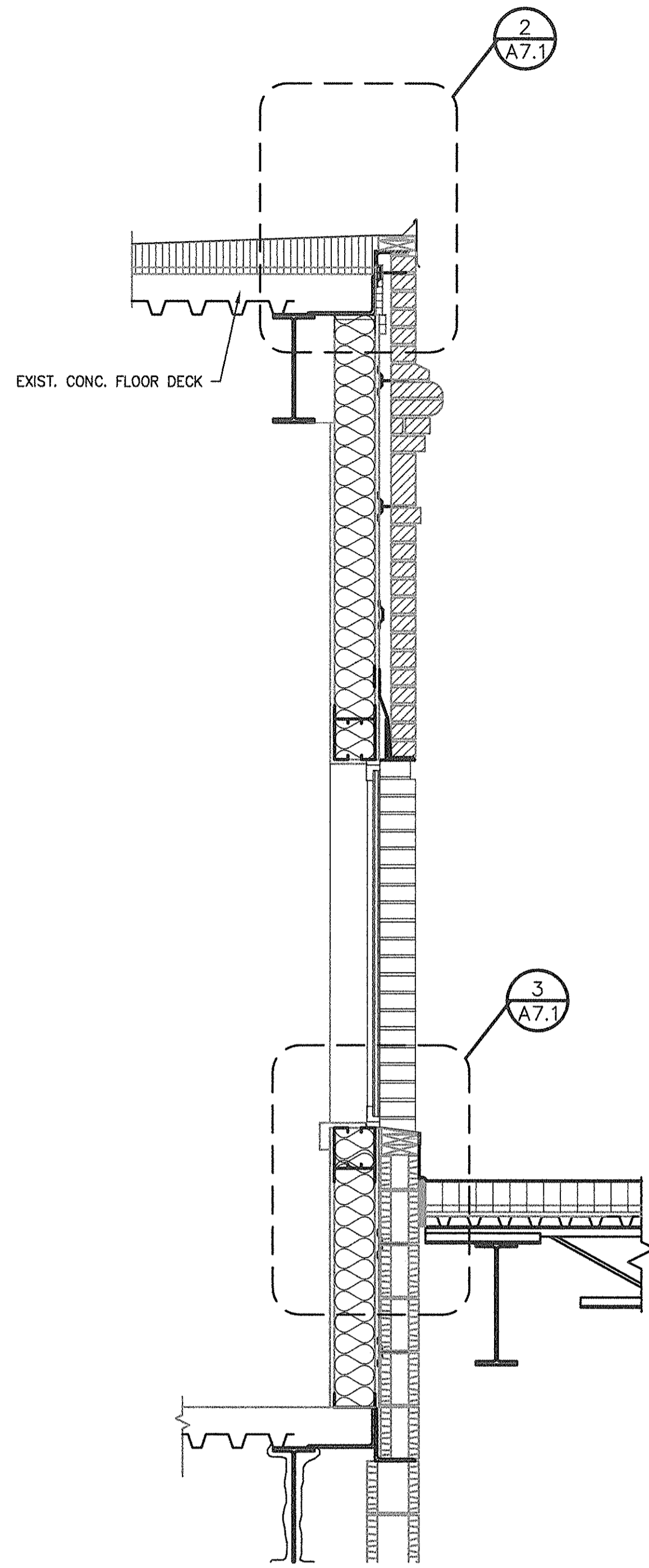
DRAWING TITLE

DETAILS

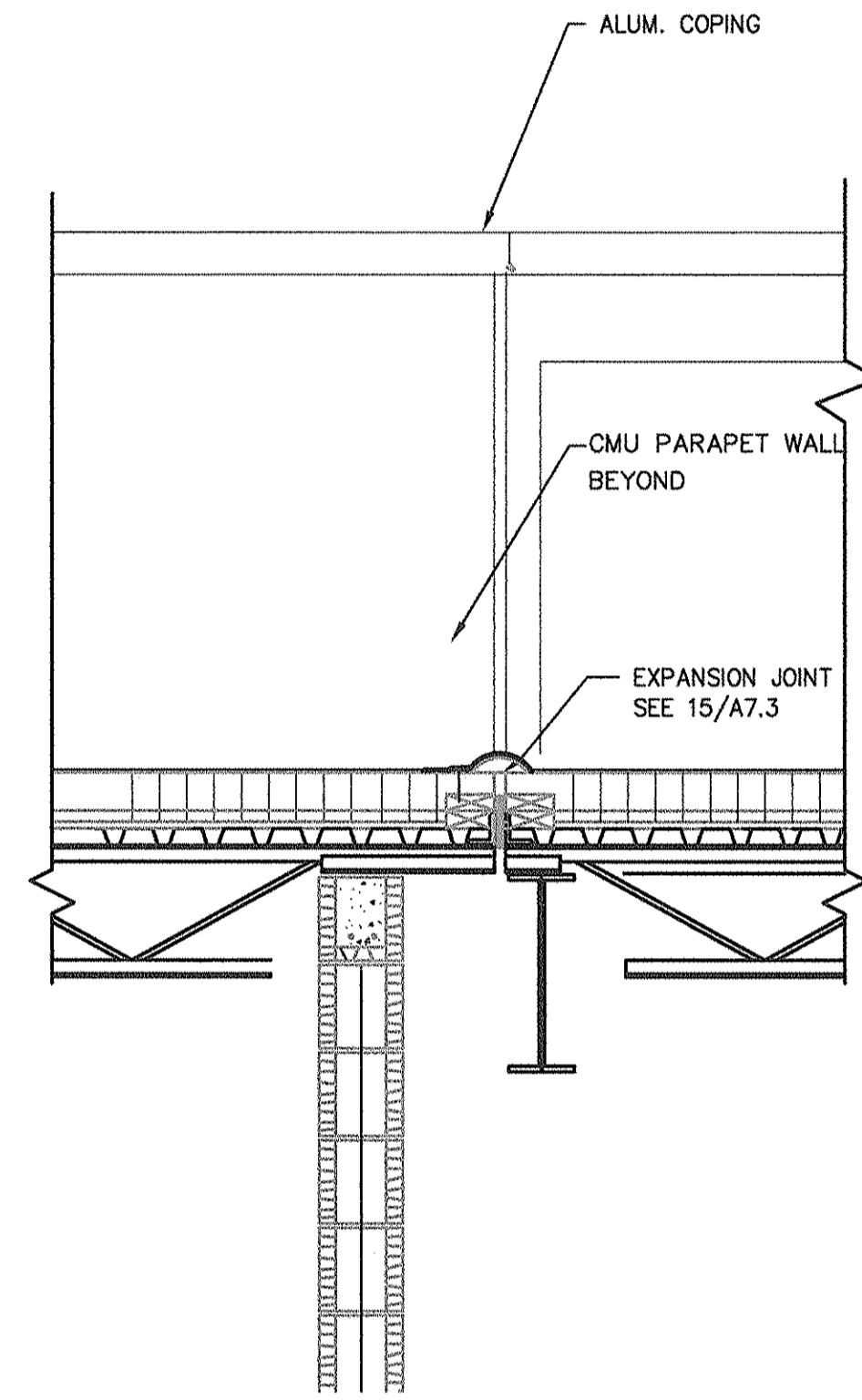
DRAWING NO.

A7.1

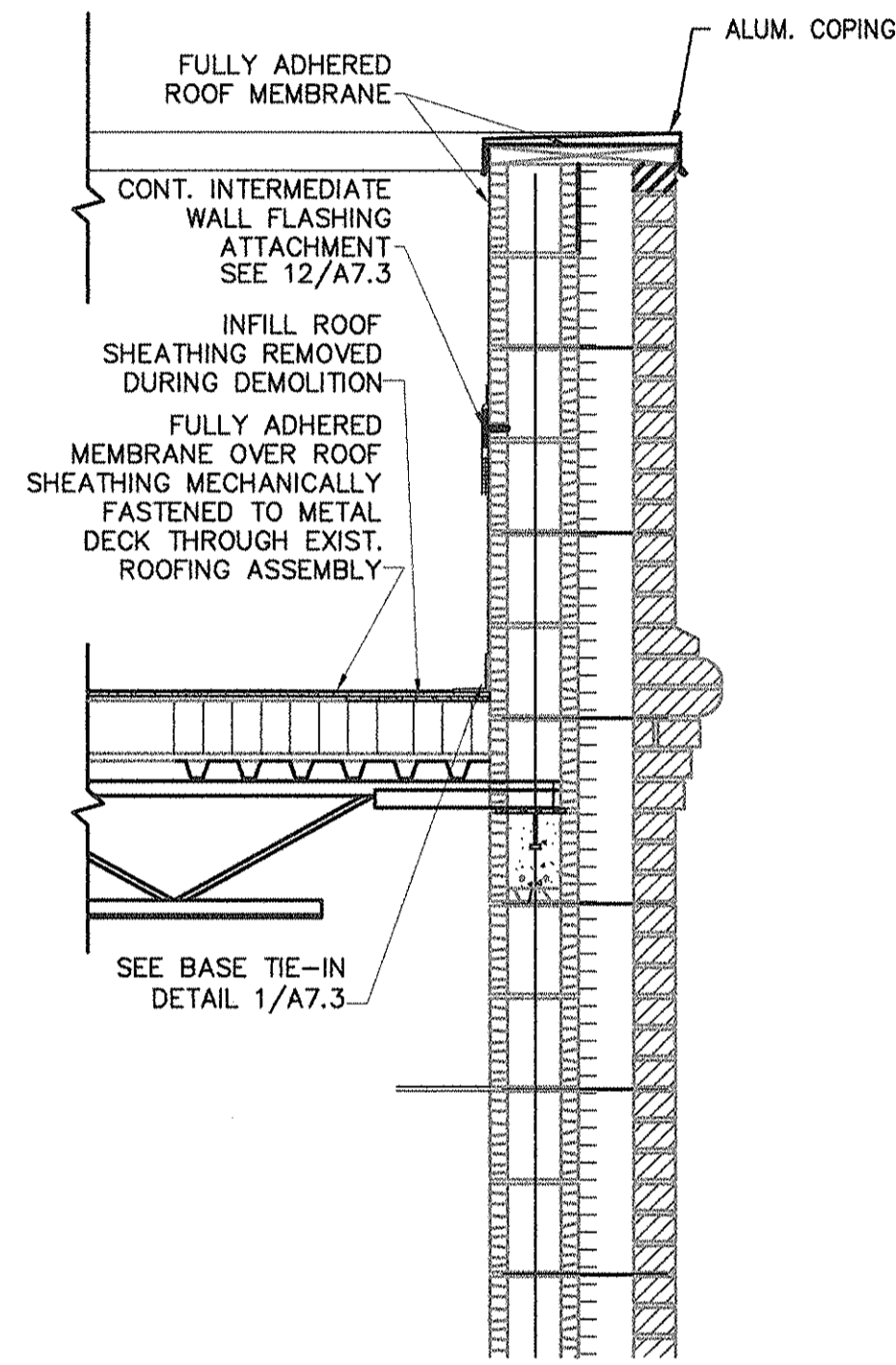
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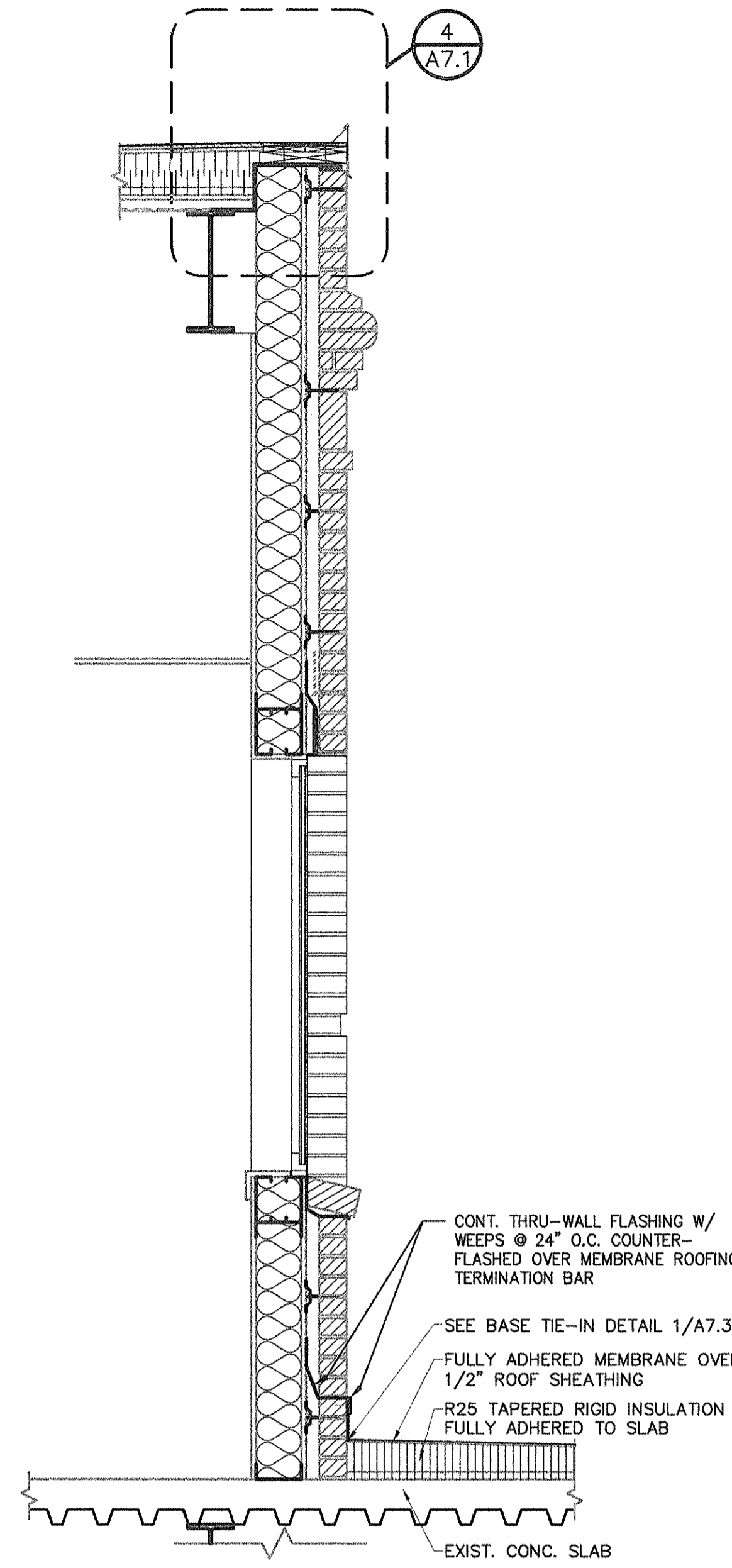
5 WALL SECTION
SCALE: 3/4" = 1'-0"



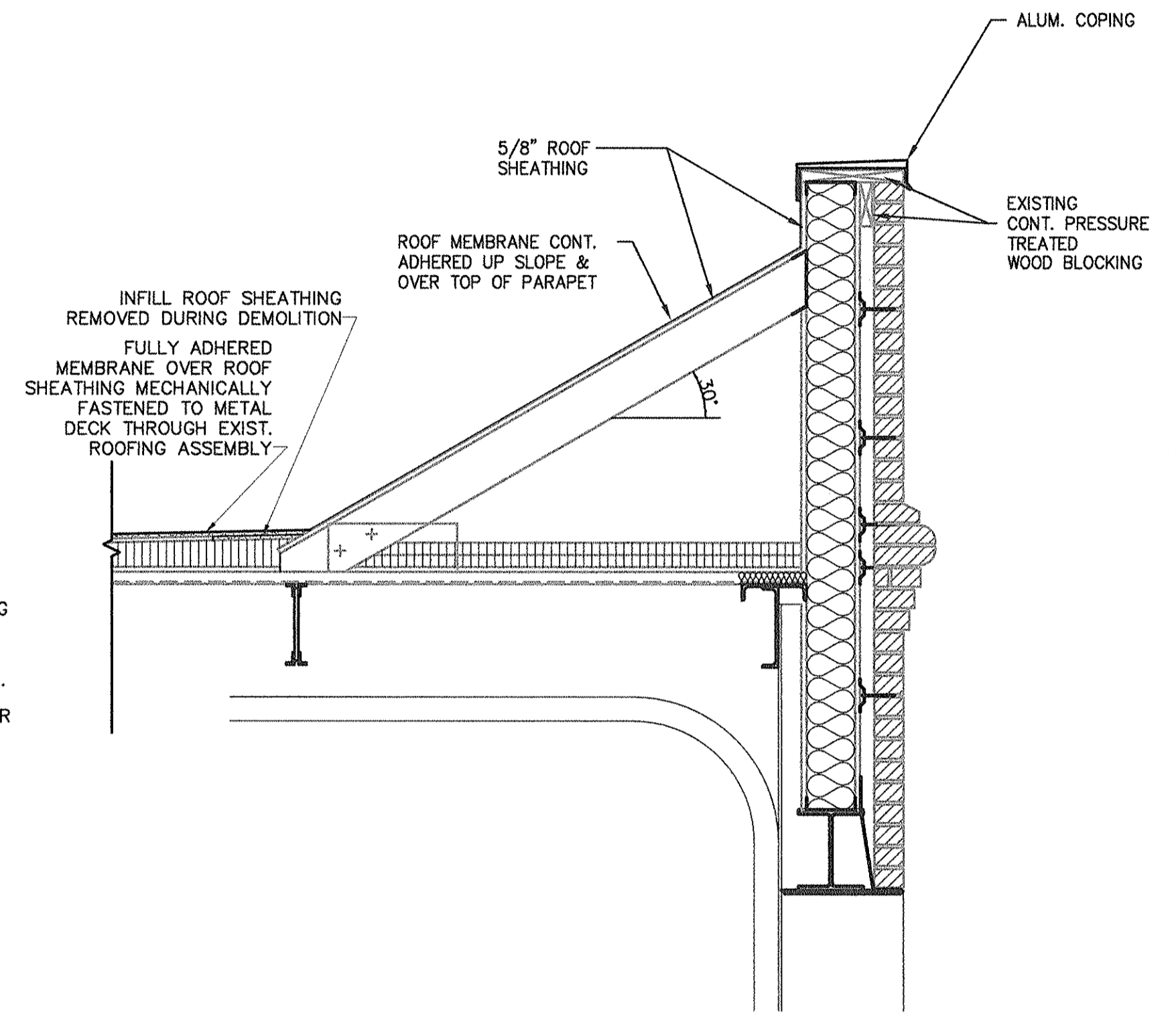
4 WALL SECTION
SCALE: 3/4" = 1'-0"



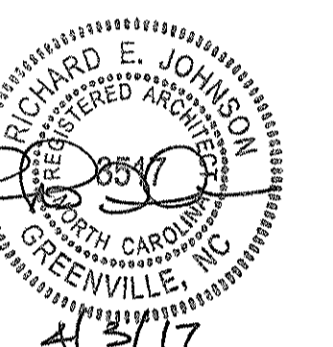
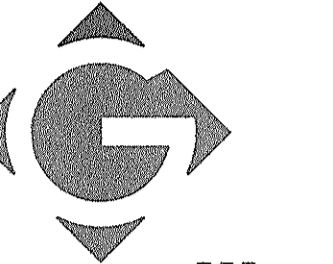
3 WALL SECTION
SCALE: 3/4" = 1'-0"



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



1 DETAIL
SCALE: 3/4" = 1'-0"



BY	CHK	REV
DHB		

REV	DATE	DESCRIPTION
0	4/23/17	ISSUED FOR CONSTRUCTION

REG PROJECT NO. 20160162

CLIENT PROJECT NO. WORK ORDER NO. 22

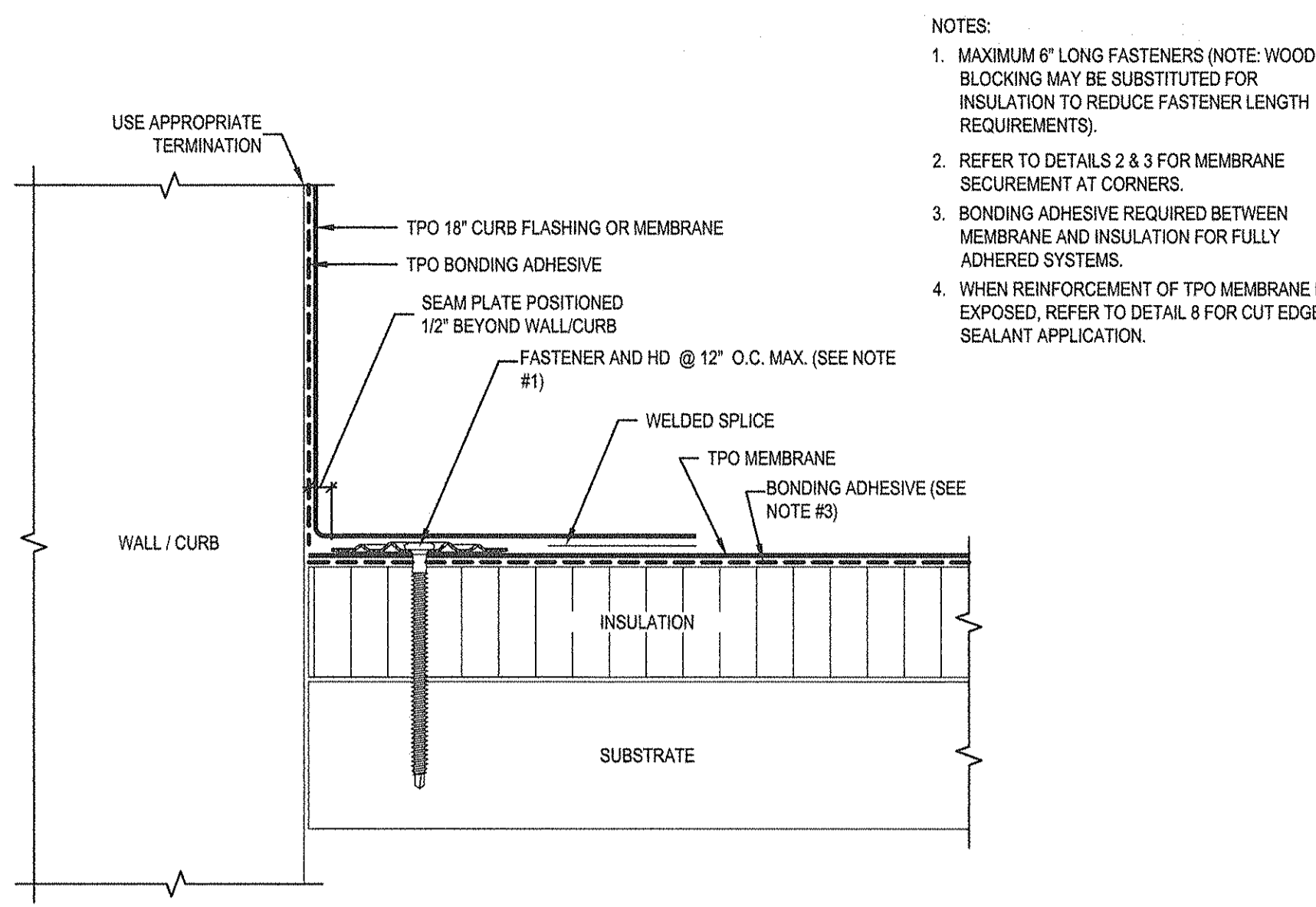
PROJECT TITLE
**CITY OF GREENVILLE
POLICE FIRE-RESCUE
HEADQUARTERS
ROOF REPLACEMENT**

DRAWING TITLE

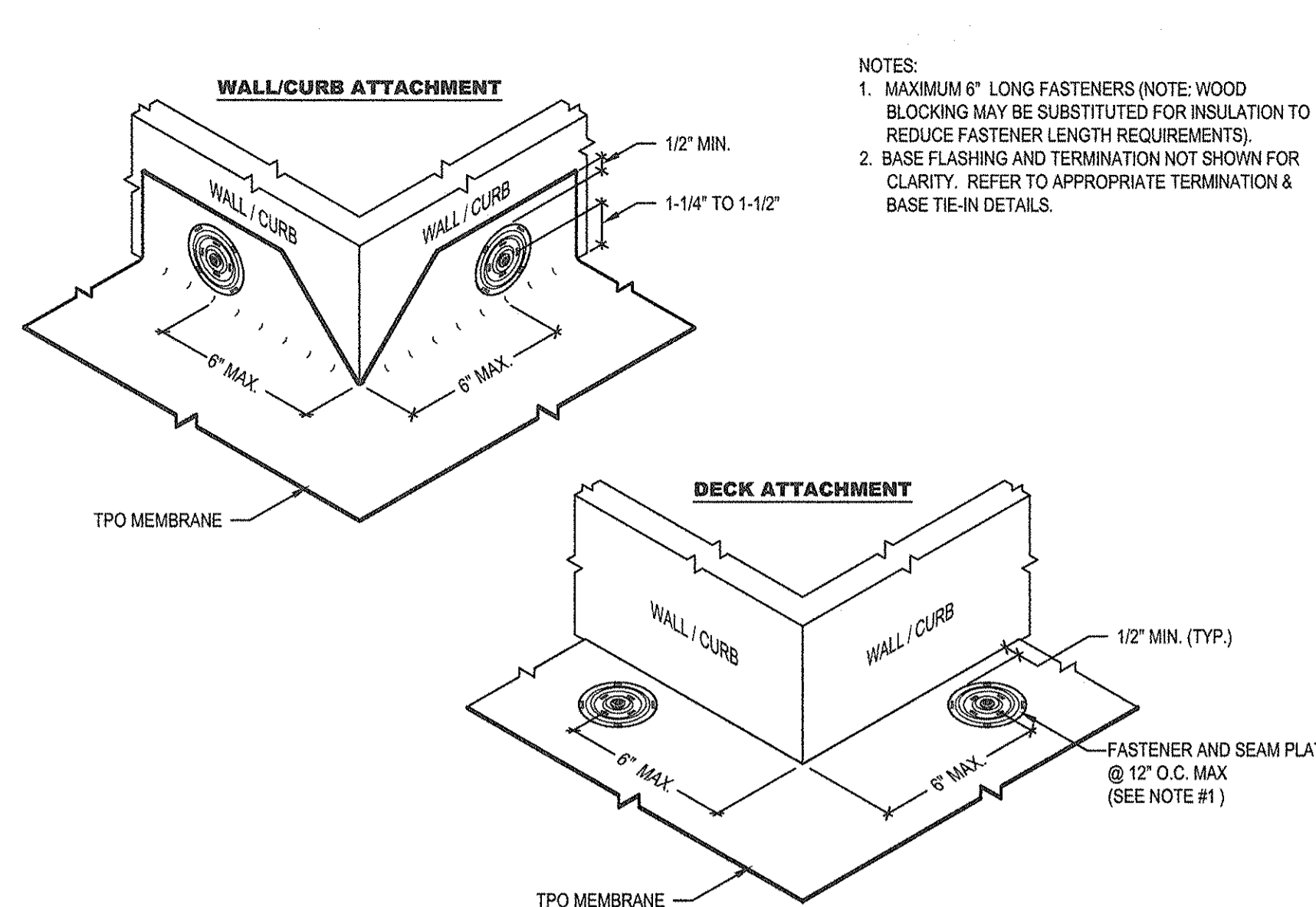
DETAILS

DRAWING NO.

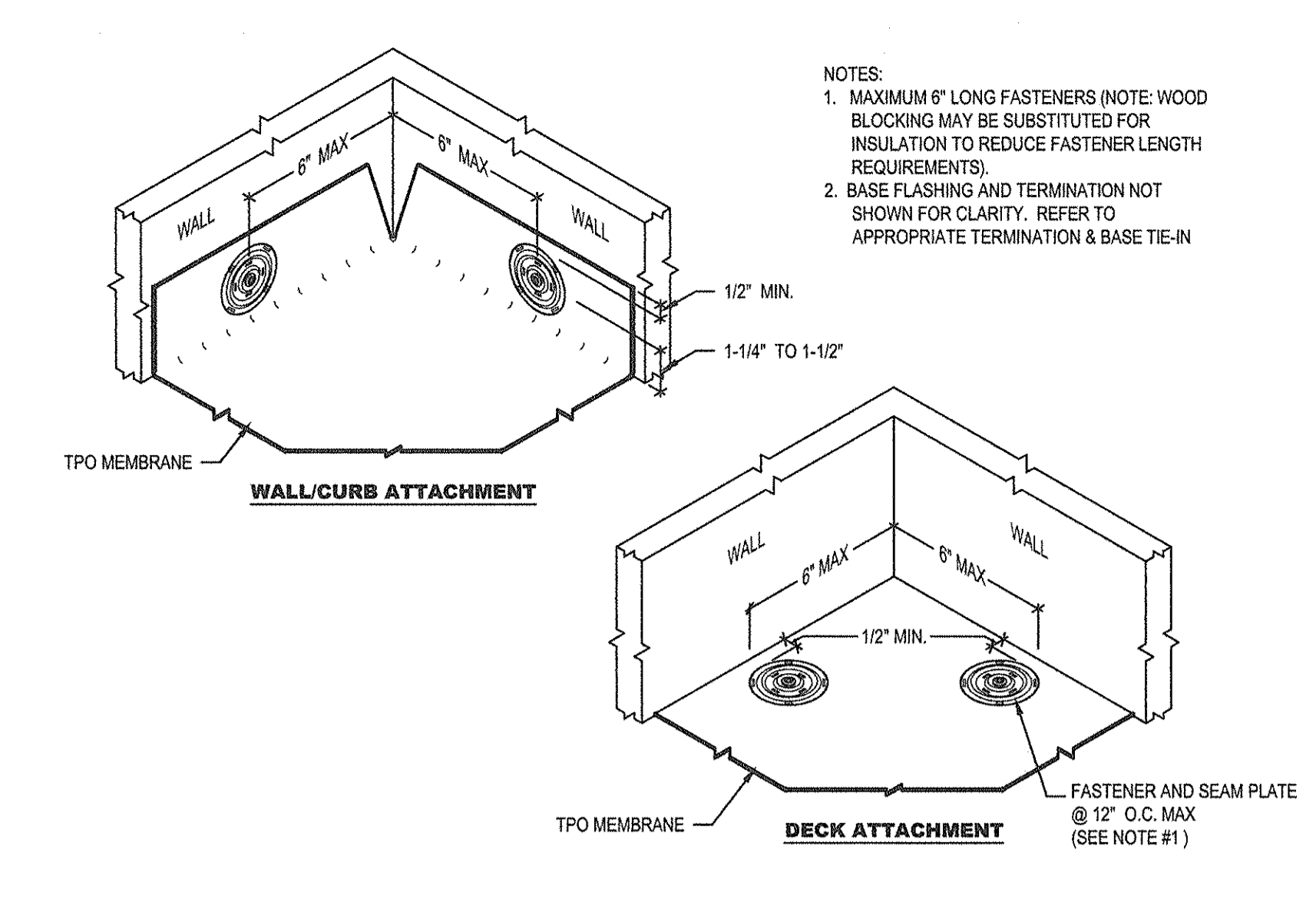
A7.2



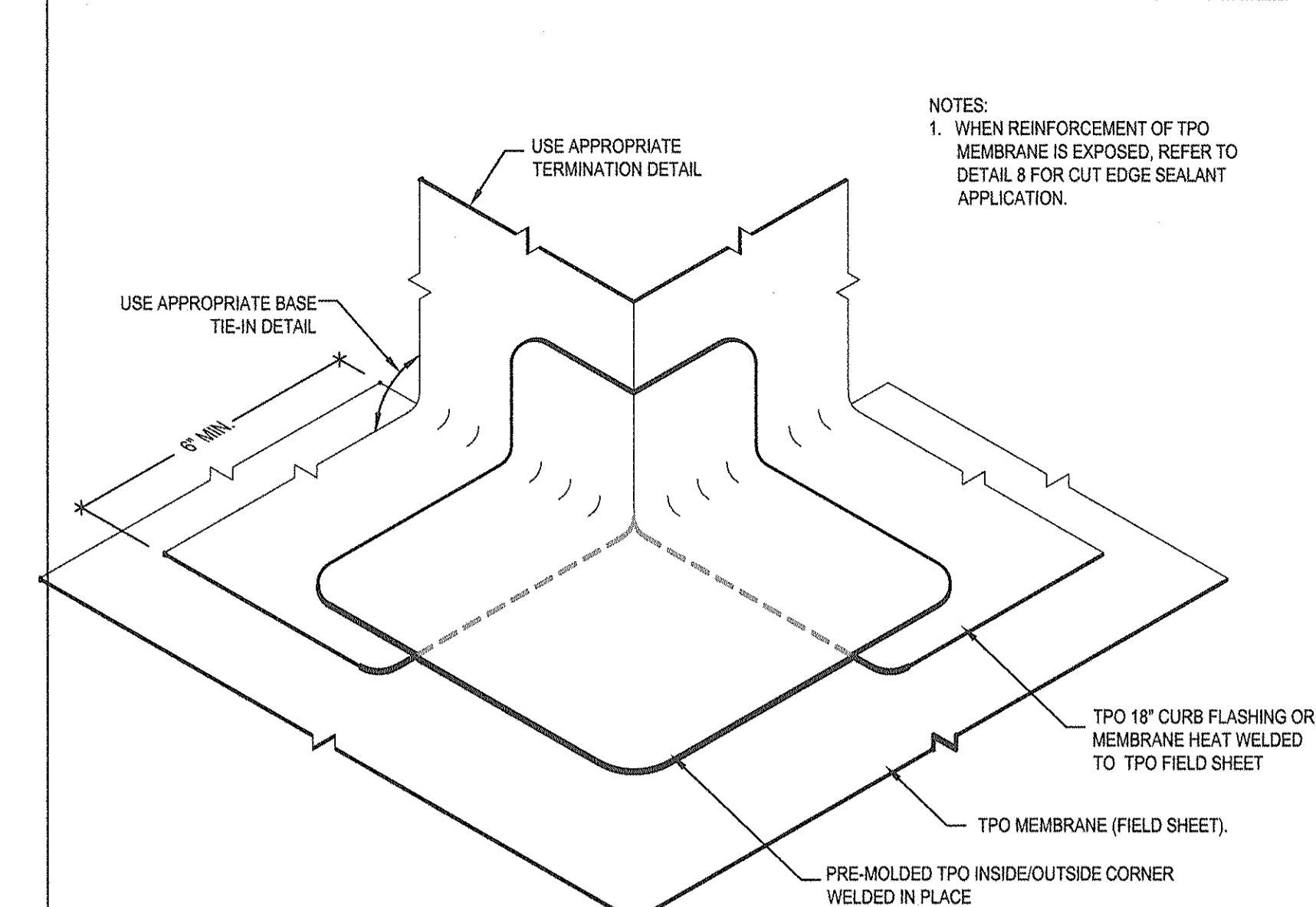
1 BASE TIE IN WITH SEAM PLATES FASTENED TO DECK
SCALE: 6" = 1'-0"



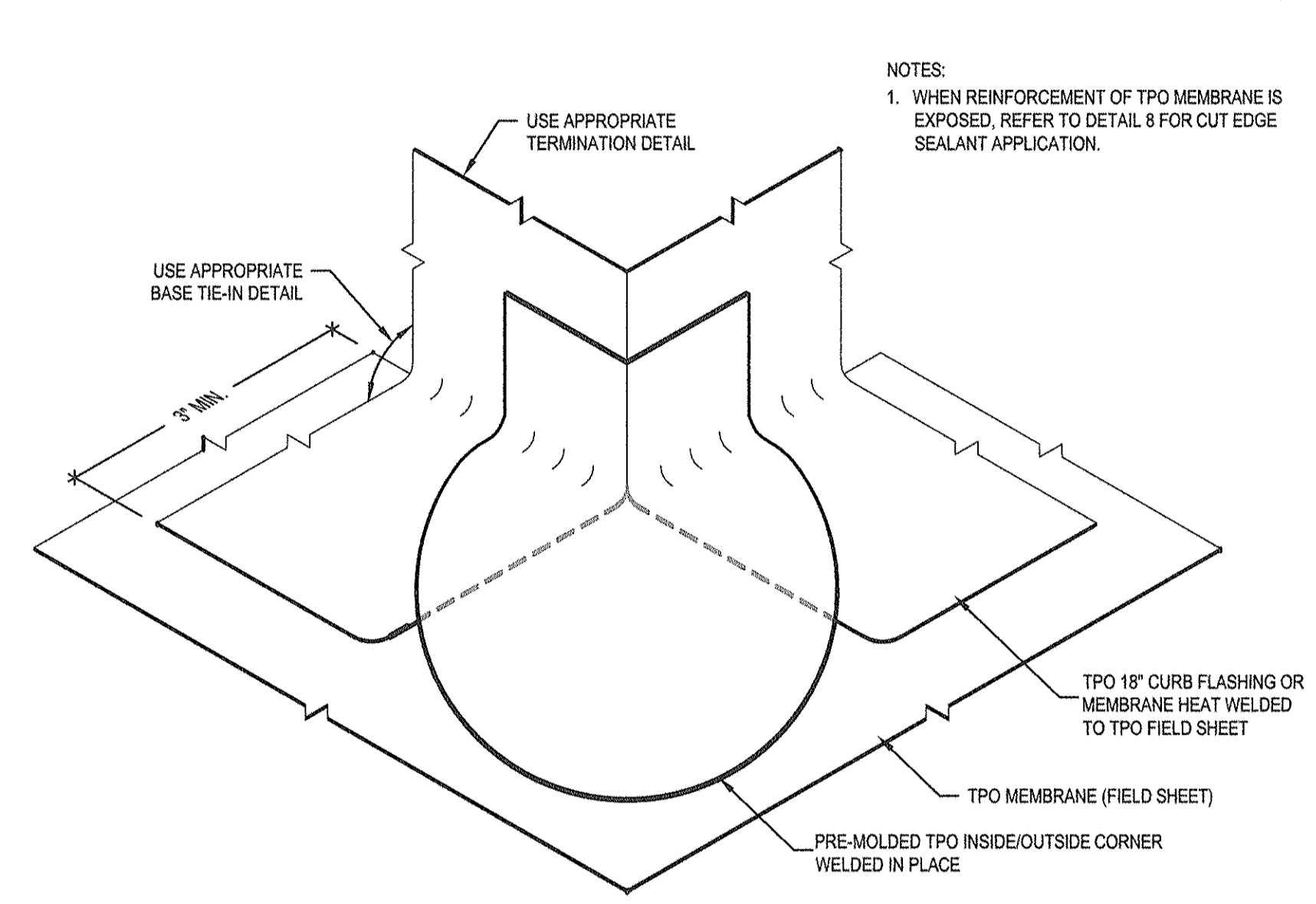
2 MEMBRANE SECUREMENT AT OUTSIDE CORNER
SCALE: 6" = 1'-0"



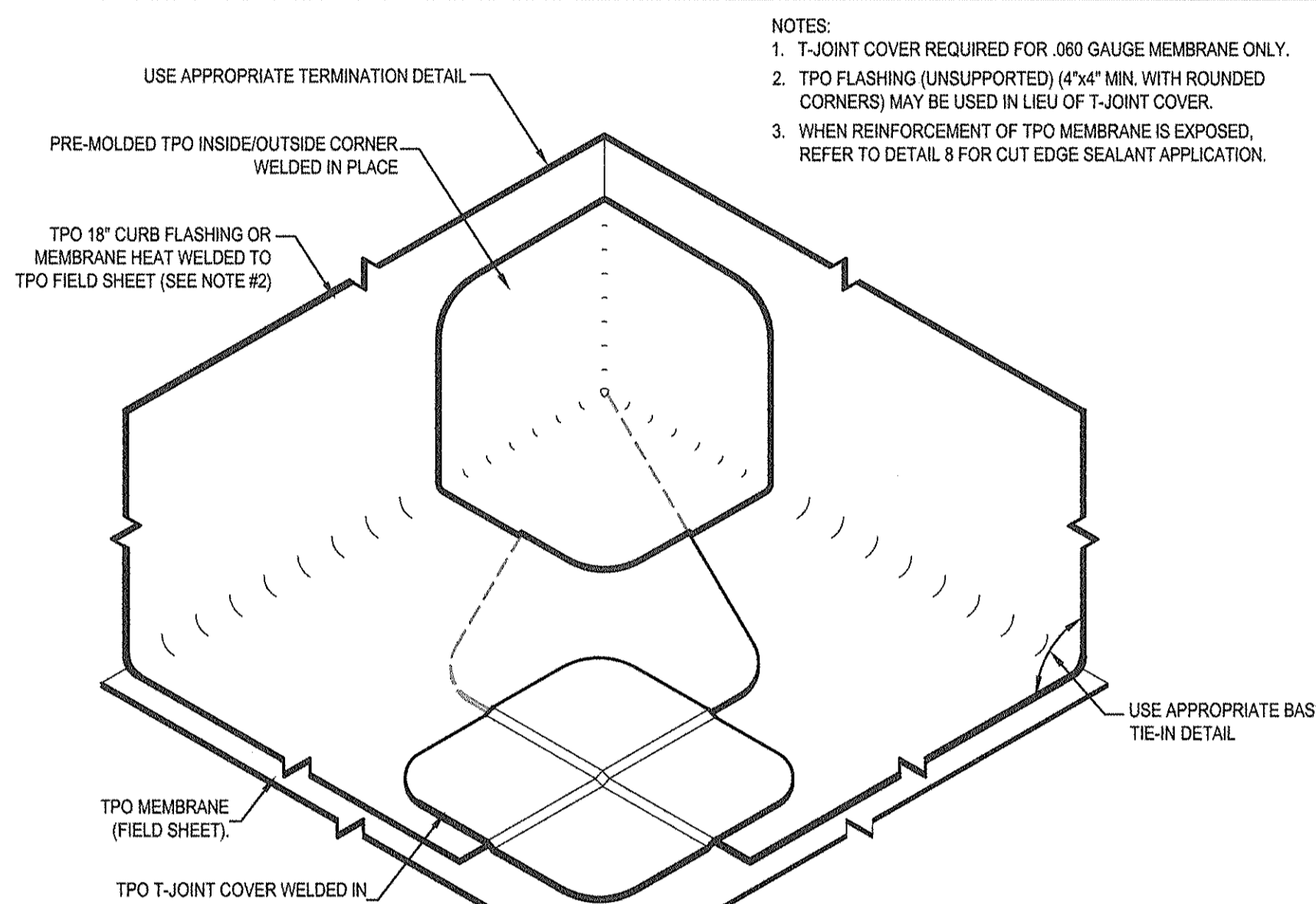
3 MEMBRANE SECUREMENT AT INSIDE CORNER
SCALE: 6" = 1'-0"



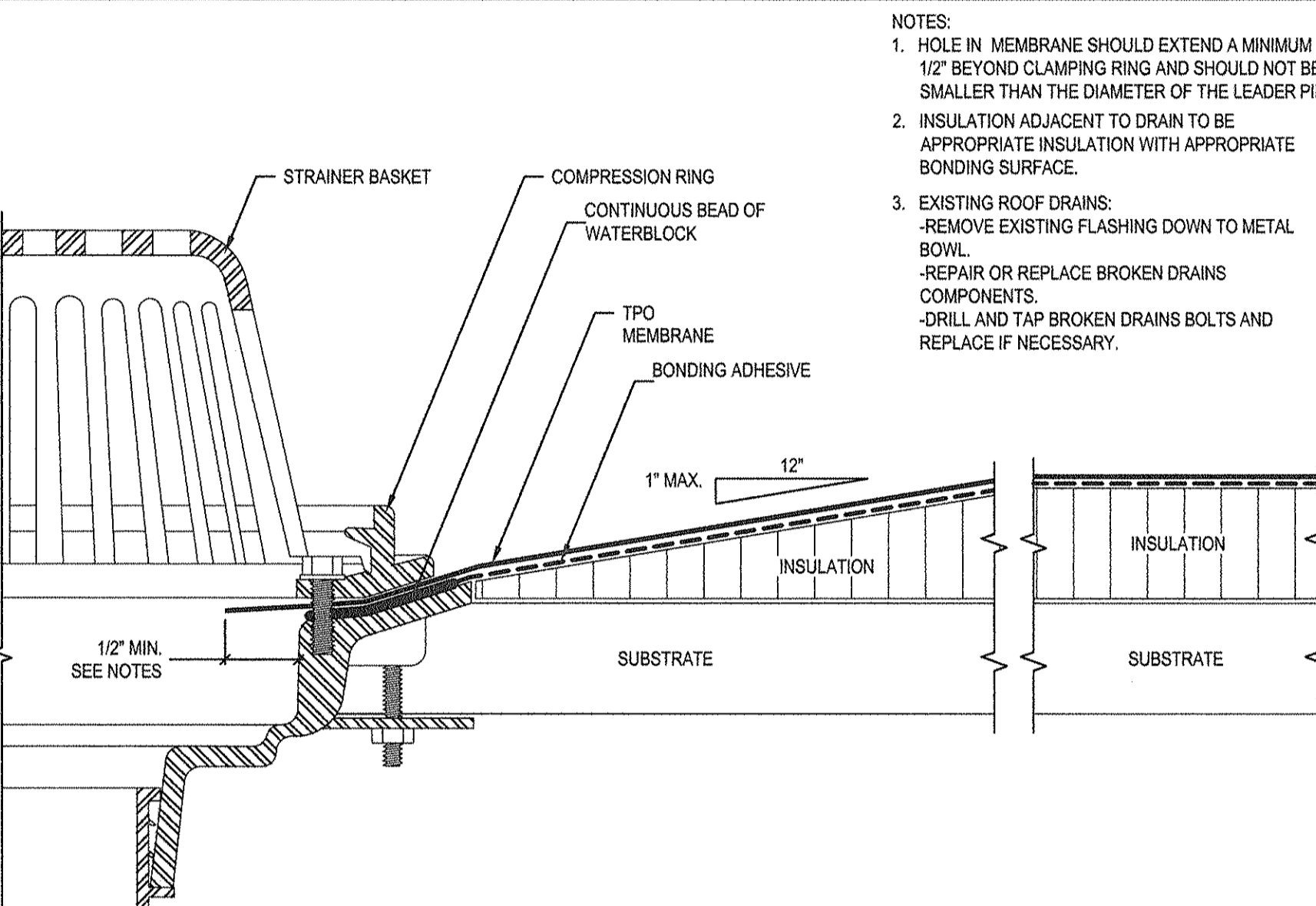
4 OUTSIDE CORNER DETAIL
SCALE: 6" = 1'-0"



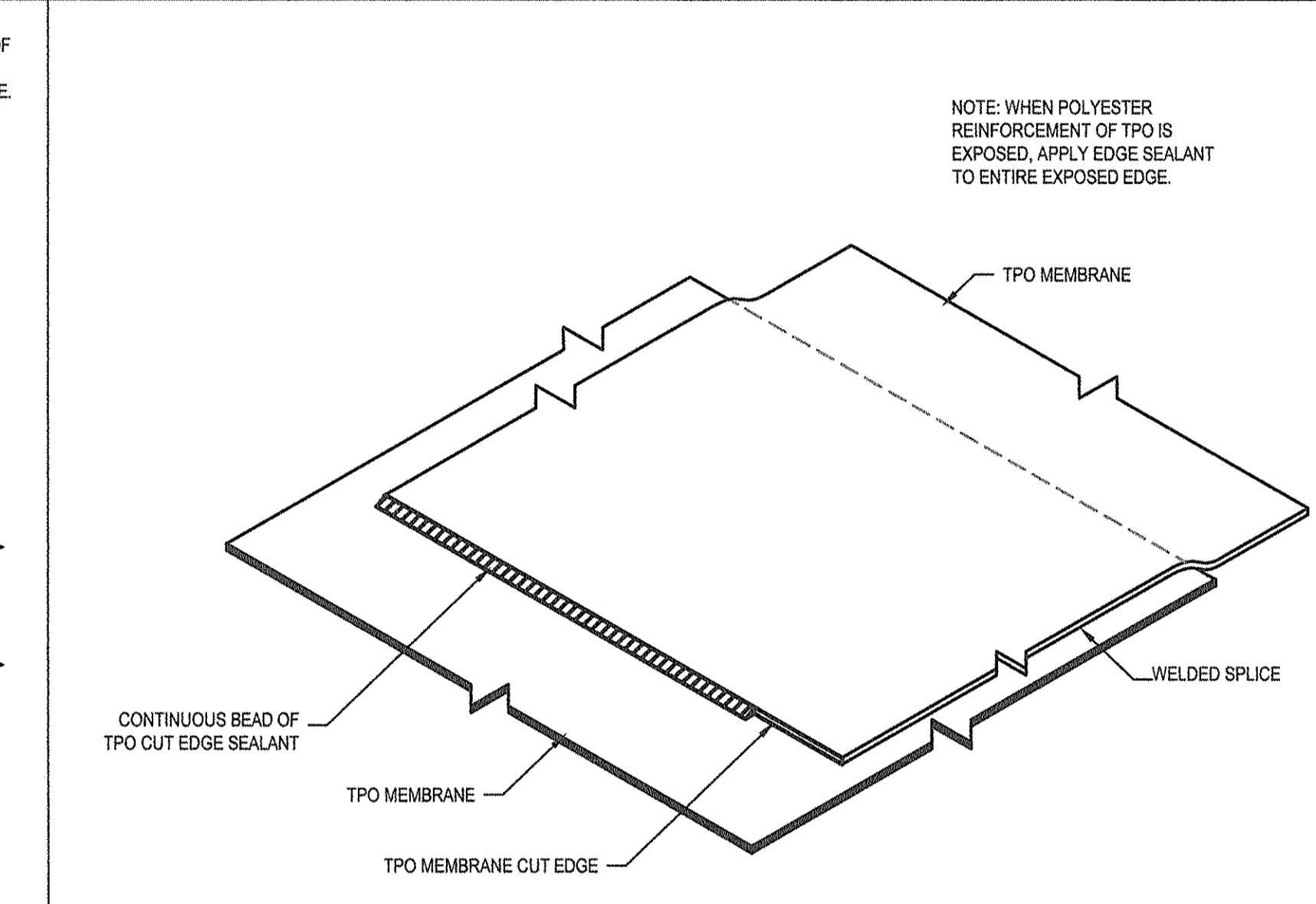
5 OUTSIDE CORNER DETAIL
SCALE: 6" = 1'-0"



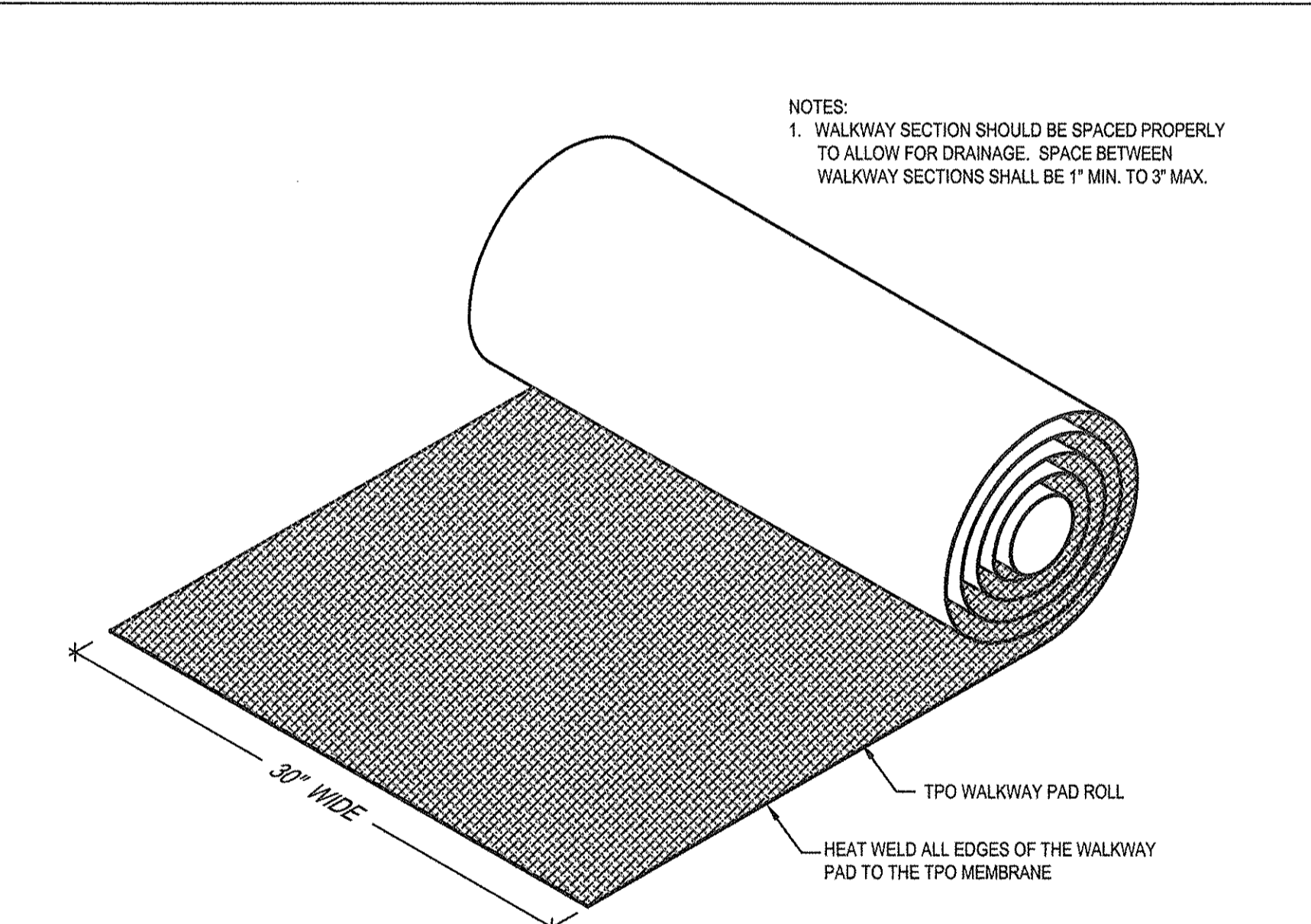
6 INSIDE CORNER WITH CONTINUOUS WALL FLASHING
SCALE: 6" = 1'-0"



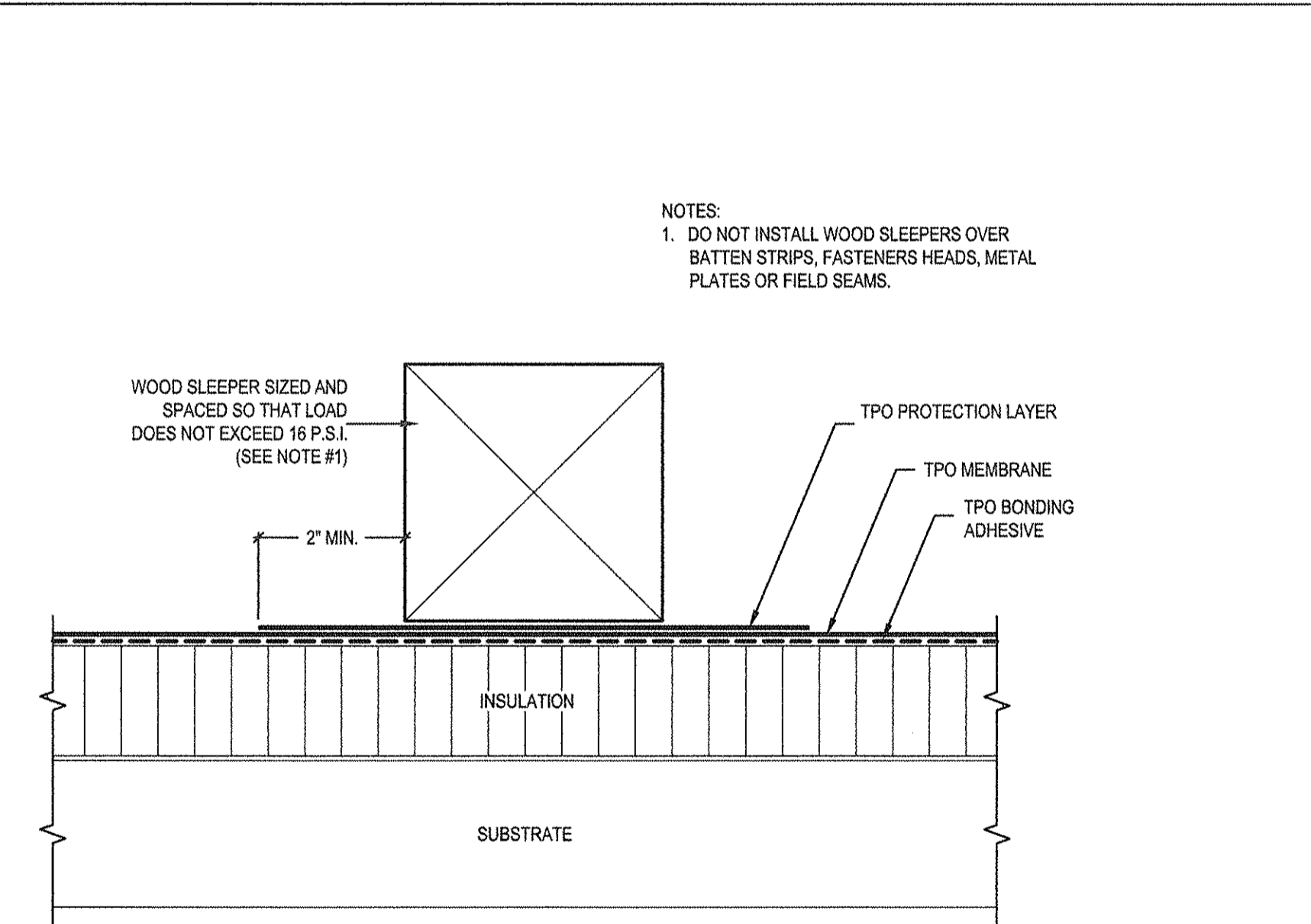
7 ROOF DRAIN DETAIL
SCALE: 6" = 1'-0"



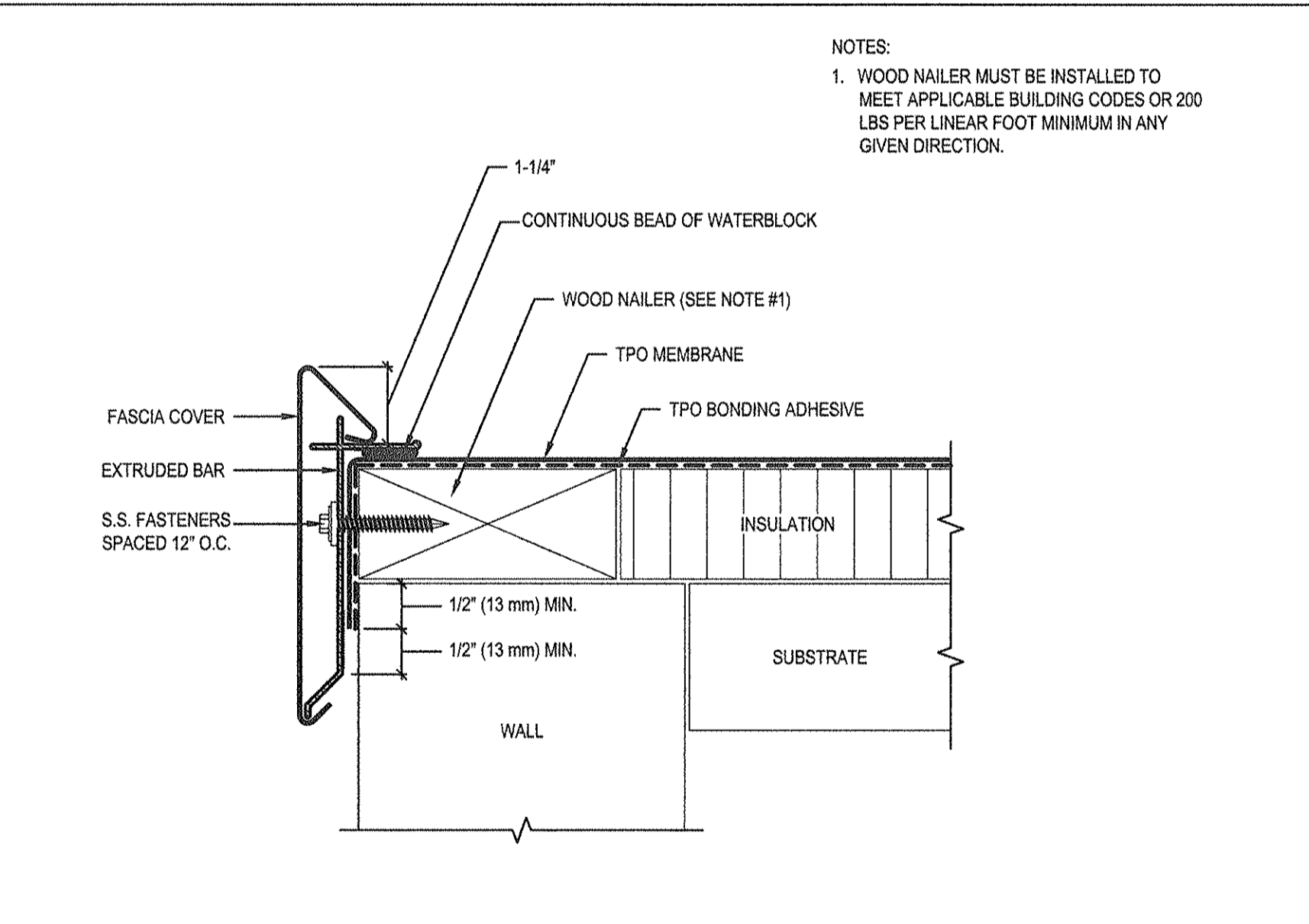
8 CUT EDGE TREATMENT
SCALE: 6" = 1'-0"



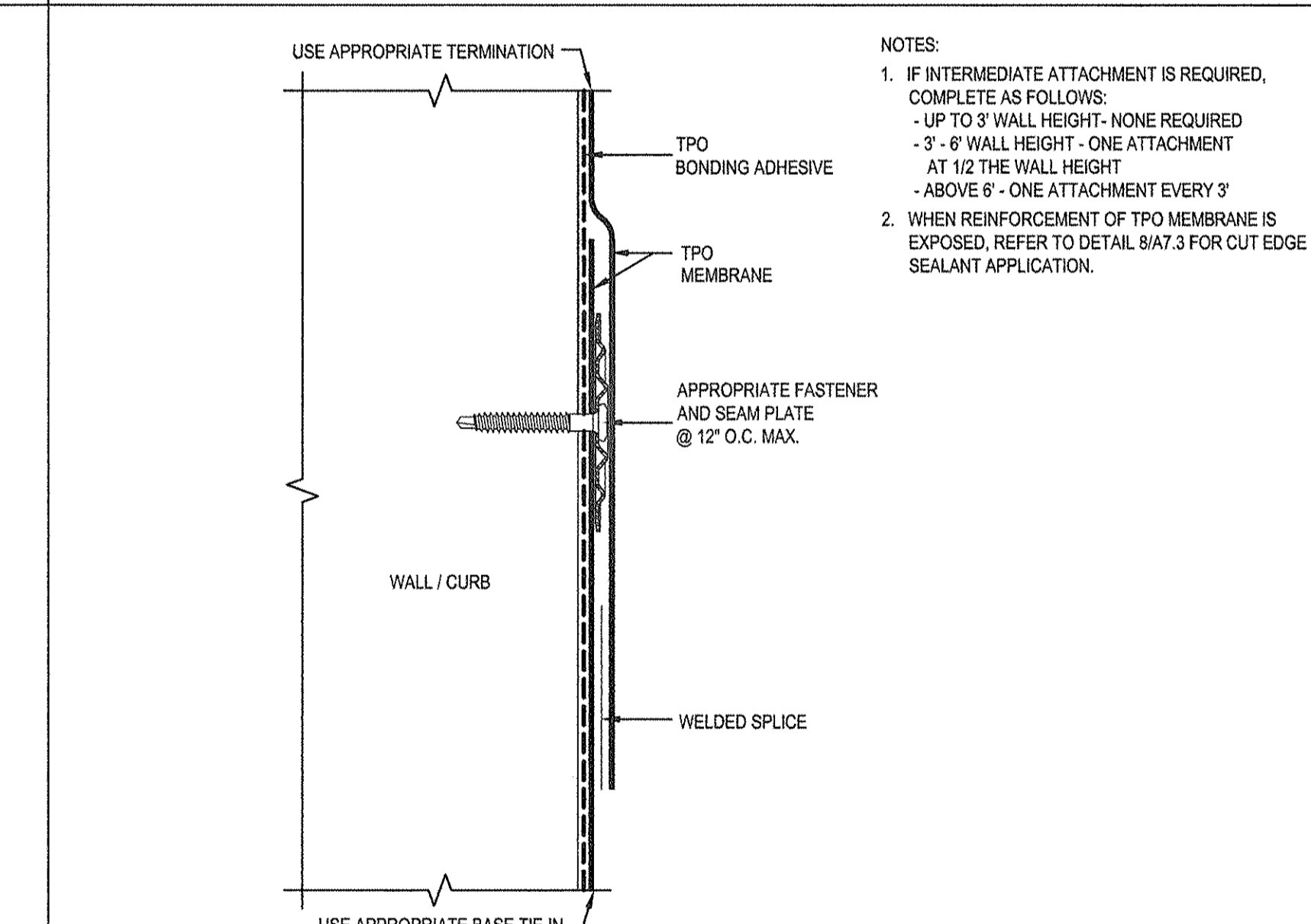
9 WALKWAY PAD
SCALE: 6" = 1'-0"



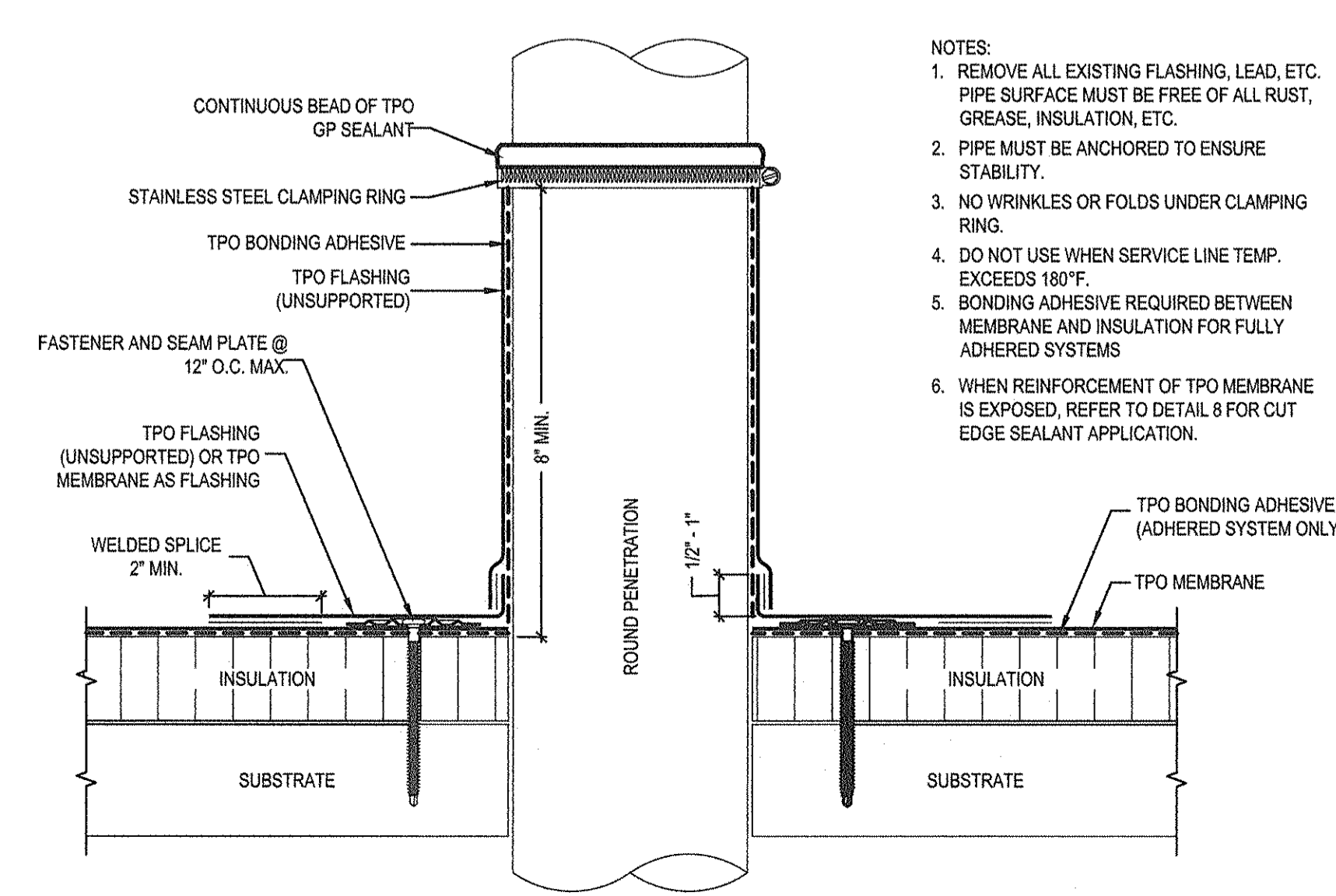
10 WOOD SLEEPER DETAIL
SCALE: 6" = 1'-0"



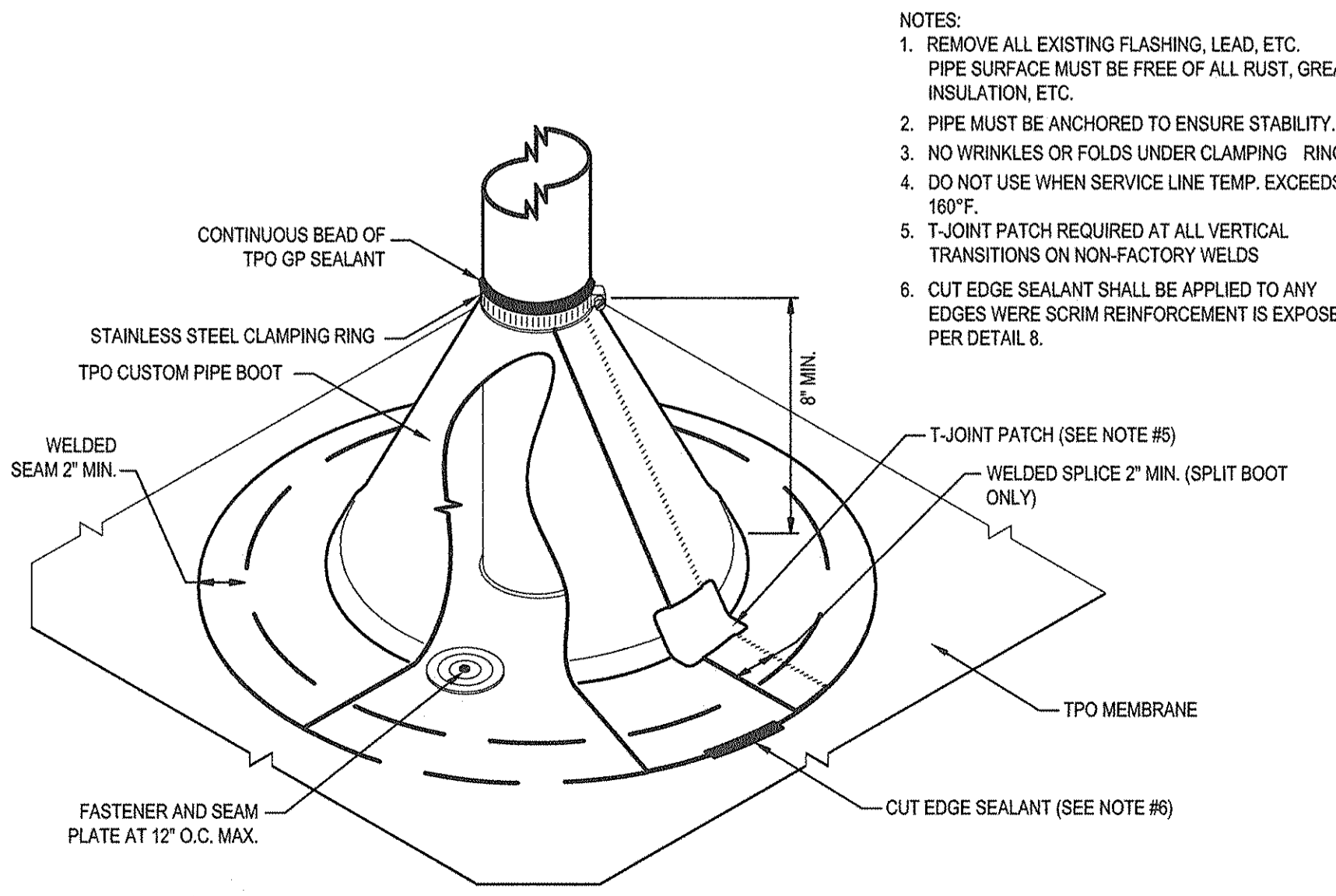
11 ROOF EDGE DETAIL
SCALE: 6" = 1'-0"



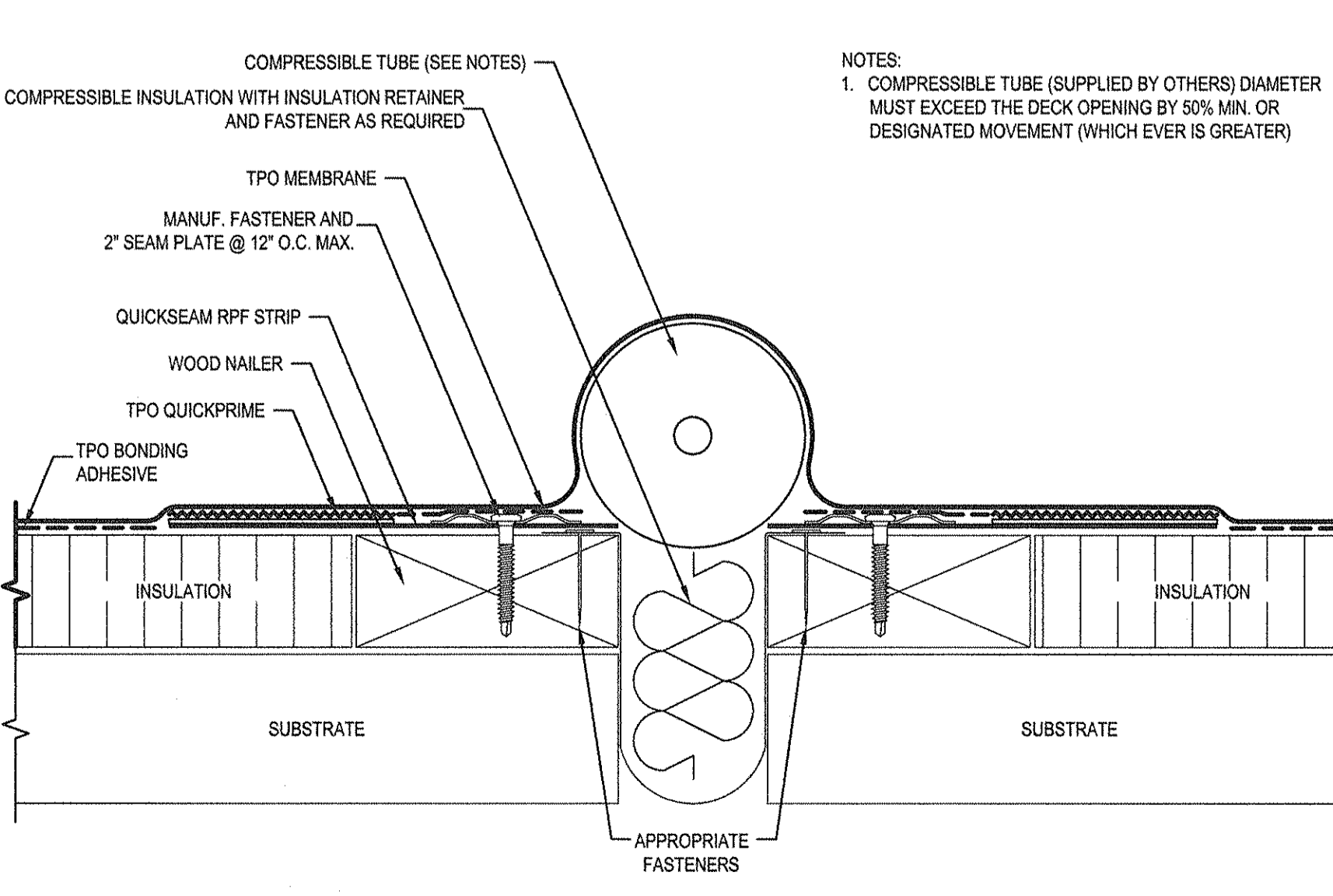
12 INTERMEDIATE WALL FLASHING ATTACHMENT
SCALE: 6" = 1'-0"



13 PENETRATION W/ TPO MEMBRANE
SCALE: 6" = 1'-0"



14 PENETRATION W/ CONICAL TPO CUSTOM PIPE BOOT
SCALE: 1-1/2\"/>



15 EXPANSION JOINT DETAIL
SCALE: 1-1/2\"/>

NOTE: THE TYPICAL DETAILS ON THIS SHEET ARE REPRODUCED FROM DETAILS PROVIDED BY FIRESTONE BUILDING PRODUCTS TO ILLUSTRATE THE BASIS OF DESIGN. SIMILAR DETAILS CONSISTENT WITH OTHER ROOF MEMBRANE MANUFACTURERS LISTED IN SPECIFICATIONS AND EQUAL TO THE BASIS OF DESIGN ARE ACCEPTABLE.

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SOUTH CAROLINA
GREENVILLE, NC

REV.	DATE	DESCRIPTION	BY	CHK	REJ.
0	4/23/17	ISSUED FOR CONSTRUCTION	DHB		

PROJECT NO. 20160182
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**CITY OF GREENVILLE
POLICE FIRE-RESCUE
HEADQUARTERS
ROOF REPLACEMENT**
DRAWING TITLE
**TYPICAL TPO
ROOFING DETAILS**
DRAWING NO.
A7.3

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