

# SUMMER 2022 ROOFING PROJECTS

## WESTERN ALBEMARLE H.S.

### PHASE 1 ROOF REPLACEMENT

### ALBEMARLE COUNTY PUBLIC SCHOOLS

5941 ROCKFISH GAP TURNPIKE  
CROZET, VA  
22932

IFB # 2022-IFB-7030230

#### DRAWING INDEX

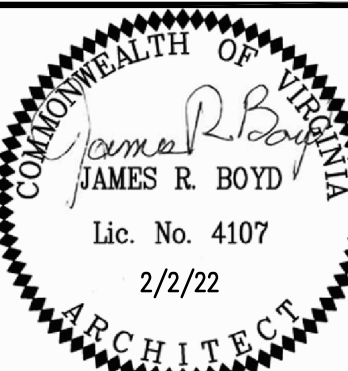
COV	COVER SHEET
A-1	PARTIAL ROOF PLAN (D1 & D2), NOTES & DETAILS
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#### PROJECT DIRECTORY

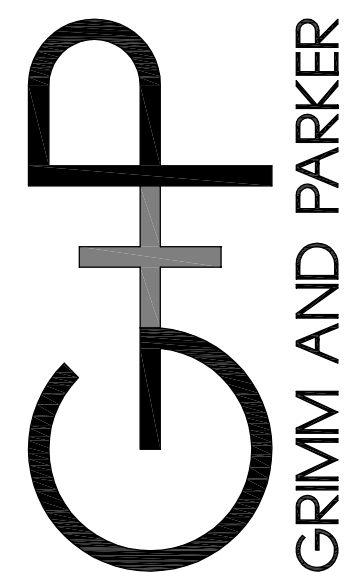
<b>OWNER REPRESENTATIVE</b> ALBEMARLE COUNTY PUBLIC SCHOOLS BUILDING SERVICES DEPARTMENT ATTN: JEFF ROHM ASSISTANT DIRECTOR OF OPERATIONS 434-975-9340	<b>ARCHITECT</b> GRIMM + PARKER ARCHITECTS JIM BOYD, AIA 123 EAST MAIN STREET, SECOND FLOOR CHARLOTTESVILLE, VA 22902 434-296-5353 FAX: 434-818-0917
<b>ALBEMARLE COUNTY</b> FACILITIES AND ENVIRONMENTAL SERVICES ATTN: STEVEN HOFFMANN SENIOR PROJECT MANAGER 434-872-4501 EXT. 3128	

#### APPLICABLE CODES

VIRGINIA UNIFORM STATEWIDE BUILDING CODE, 2018  
VIRGINIA PLUMBING CODE, 2018  
VIRGINIA EXISTING BUILDING CODE, 2018  
WORK CLASSIFICATION: ALTERATIONS, LEVEL 1; SECTION 602.3.2.1 2018 VBOC  
2010 ADA STANDARDS  
ASCE 7-16 MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES  
ASCE 7-16 RISK CATEGORY II, DESIGN WIND SPEED 118 MPH



123 East Main Street  
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Tel 434.296.5353  
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GP# 22030.02

COVER SHEET  
IFB # 2022-IFB-7030230  
WAS PHASE 1 ROOF REPLACEMENT  
5941 ROCKFISH GAP TURNPIKE CROZET, VA



COV  
FEBRUARY 2, 2022  
BID SET  
BOWEN AND PARKER P.C. 2022

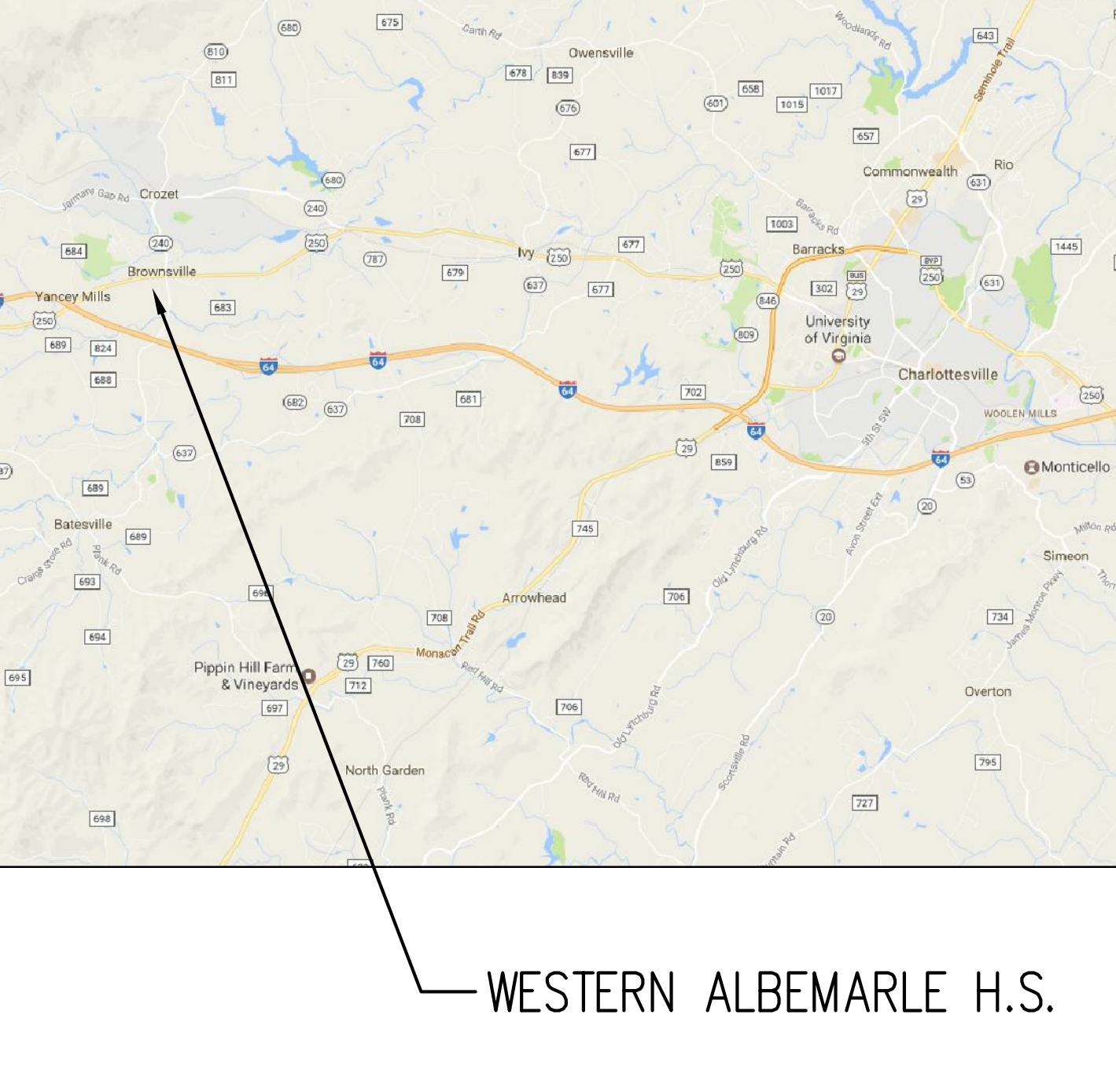
#### ABBREVIATIONS

ABV	ABOVE	KW	KILOWATT
ACT	ACOUSTIC CEILING TILE	LAM	LAMINATE
ADA	AMERICANS WITH DISABILITIES ACT	LCC	LEAD COATED COPPER
ADJ	ADJUSTABLE	LIN	LINEAR
AF	ADJUSTABLE	LT	LIGHT
AF	ADJUSTABLE	LVL	LAMINATED VENEER LUMBER
AHU	AIR HANDLING UNIT	MAS	MASONRY
ALT	ALTERNATE	MATL	MATERIAL
ALUM	ALUMINUM	MAX	MAXIMUM
AND	AND	MECH	MECHANICAL
A.P.	ACCESS PANEL	MFR	MANUFACTURER
APPROX.	APPROXIMATELY	MIN	MINIMUM
AV	AUDIO VISUAL	MISC	MISCELLANEOUS
BLDG	BUILDING	M.O.	MASONRY OPENING
BM	BENCHMARK	MTD	MOUNTED
B.O.C.	BOTTOM OF CURB	MTL	METAL
B.O.W.	BOTTOM OF WALL	N.L.C.	NOT IN CONTRACT
BRDC	BRIDGING	NO.	NUMBER
BTU	BRITISH THERMAL UNIT	NOM.	NOMINAL
C.F.	CUBIC FOOT	N.T.S.	NOT TO SCALE
CFM	CUBIC FEET PER MINUTE	O.A.	OVER ALL
CL	CAST IRON	O.C.	ON CENTER
C.I.	CAST IRON	O.D.	OUTSIDE DIAMETER
C.J.	CONTROL JOINT	O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
C.L.G.	CLEAR	O.F.O.I.	OWNER FURNISHED CONTRACTOR INSTALLED
CMP	CORRUGATED METAL PIPE	OPP.	OPPOSITE
CMU	CONCRETE MASONRY UNIT	OPP. HD	OPPOSITE HAND
C.O.	CLEAN OUT	OPV	OVERHEAD OPEN WEB
COL	COLUMN	O.W.	OPEN WEB
COND.	CONDENSER/CONDUIT	PAY.	PAVING
CONN.	CONNECTION	PCD.	PEDESTRIAN
CONSTR.	CONSTRUCTION	P.LAM	PLASTIC LAMINATE
CONT.	CONTINUOUS	PLYMD.	PLYWOOD
CPT.	CARPET	PROJ.	PROJECTION
C.TILE	CERAMIC TILE	P.S.F.	POUNDS PER SQUARE FOOT
CW	COLD WATER	P.T.	PRESSURE TREATED
DBL	DOUBLE	P.TD.	PAINTED
DET.	DETAIL(S)	P.TILE	PORCELAIN TILE
D.I.	DROP INLET	P.V.	POLY-VINYL CHLORIDE
DI	DIAMETER	Q.TILE	QUARRY TILE
DIAG.	DIAGONAL	RAD.	RADIUS
DIFF.	DIFFUSER(S)	R.C.P.	REFLECTED CEILING PLAN
DN	DOWN	R.D.	ROOF DRAIN
DS	DOWNSPOUT	REBAR	REINFORCING BAR
DWC	DRY WALL CHANNEL	REFRIG.	REFRIGERATION
DWG	DRAWING	REINFC.	REINFORCED
EA	EACH	REINFC.	REINFORCED
E.A.	ELECTRIC AL	RAL	ROUGH OPENING
ELEC.	ELEVATION	R.O.	ROUGH OPENING
EQ.	EQUIPMENT	R.TILE	RUBBER TILE
ESMT	EASEMENT	R.T.U.	ROOF TOP UNIT
EVAP	EVAPORATIVE(OR)	S.C.	SOLID CORE
E.W.C.	ELECTRIC WATER COOLER	SCHED.	SCHEDULE
EXG.	EXISTING	SHT.	SHEET
EXH.	EXHAUST	SM.	SIMILAR
EXP.	EXPANSION	SPC.	SPECIFICATIONS
EXP. ST.	EXPOSED STRUCTURE	SO.	SQUARE
EXT.	EXTERIOR	SS.	STAINLESS STEEL
F.A.I.	FRESH AIR INTAKE	STD.	STANDARD
F.B.	FACE BRICK	STL.	STEEL
F.C.	FIRE CODE	STOR.	STORAGE
F.C.O.	FLOOR CLEAN-OUT	STRUC.	STRUCTURE(AL)
F.D.	FLOOR DRAIN	SUSP.	SUSPENDED
F.F.	FLOOR FINISH	SYM.	SYMMETRIC(AL)
F.F.	FLOOR FINISH	TEL.	TELEPHONE
F.F.	FLOOR FINISH	THK.	THICKNESS
F.F.	FLOOR FINISH	THRU.	THROUGH
F.F.	FLOOR FINISH	T.O.C.	TOP OF CURB
F.F.	FLOOR FINISH	T.O.P.	TOP OF PAVEMENT
F.F.	FLOOR FINISH	T.O.S.	TOP OF STEP
F.F.	FLOOR FINISH	T.O.W.	TOP OF WALL
F.F.	FLOOR FINISH	TS.	TUBULAR STEEL
F.F.	FLOOR FINISH	TS.	THERMOSTAT
F.F.	FLOOR FINISH	TYP.	TYPICAL
F.F.	FLOOR FINISH	UFAS	UNIFORM FEDERAL ACCESSIBILITY STANDARDS
F.F.	FLOOR FINISH	UG	UNDERGROUND
F.F.	FLOOR FINISH	UL	UNDERLIES
F.F.	FLOOR FINISH	U.V.	ULTRAVIOLET
F.F.	FLOOR FINISH	VERT.	VERTICAL
F.F.	FLOOR FINISH	VIB.	VIBRATION
F.F.	FLOOR FINISH	VIR.	VIRGINIA
F.F.	FLOOR FINISH	VUSBC	VIRGINIA UNIFORM STATEWIDE BUILDING CODE
F.F.	FLOOR FINISH	VWC	VINYL WALL COVERING
F.F.	FLOOR FINISH	W/O	WITHOUT
F.F.	FLOOR FINISH	W/B	WET BULB
F.F.	FLOOR FINISH	WC	WATER CLOSET
F.F.	FLOOR FINISH	WD.	WOOD
F.F.	FLOOR FINISH	WOW	WINDOW
F.F.	FLOOR FINISH	WP	WEATHERPROOF
F.F.	FLOOR FINISH	WR.	WATER RESISTANT
F.F.	FLOOR FINISH	WT.	WEIGHT

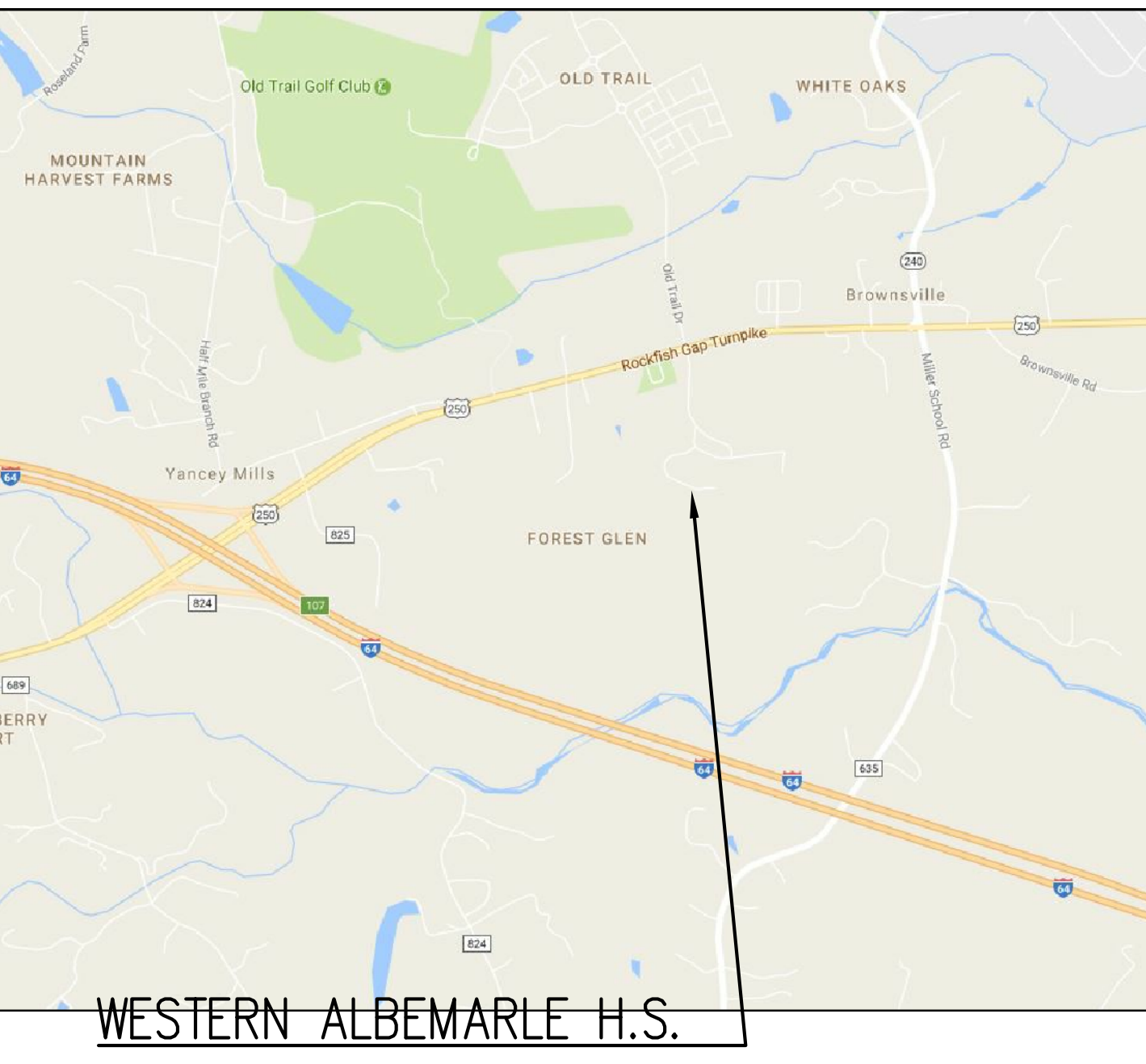
#### SYMBOLS

	CONCRETE BLOCK
	BRICK
	CONCRETE
	GYPSUM, CEMENT OR GROUT
	FINISH WOOD
	ROUGH WOOD
	RIGID INSULATION
	BATT INSULATION
	GRAVEL
	EARTH
	PLYWOOD
	STEEL
	DOOR DESIGNATION
	WALL TYPE DESIGNATION
	CONSTRUCTION NOTE
	ITEM NOTE/DEMOLITION NOTE
	ELEVATION CONNECTION
	LETTER INDICATES ELEVATION OR DETAIL
	DIRECTION IN WHICH SECTION OR DETAIL IS CUT
	SHEET NUMBER WHERE ELEVATION, SECTION OR DETAIL IS DRAWN
	BUILDING SECTION
	DETAIL
	INTERIOR ELEVATION
	EXTERIOR ELEVATION

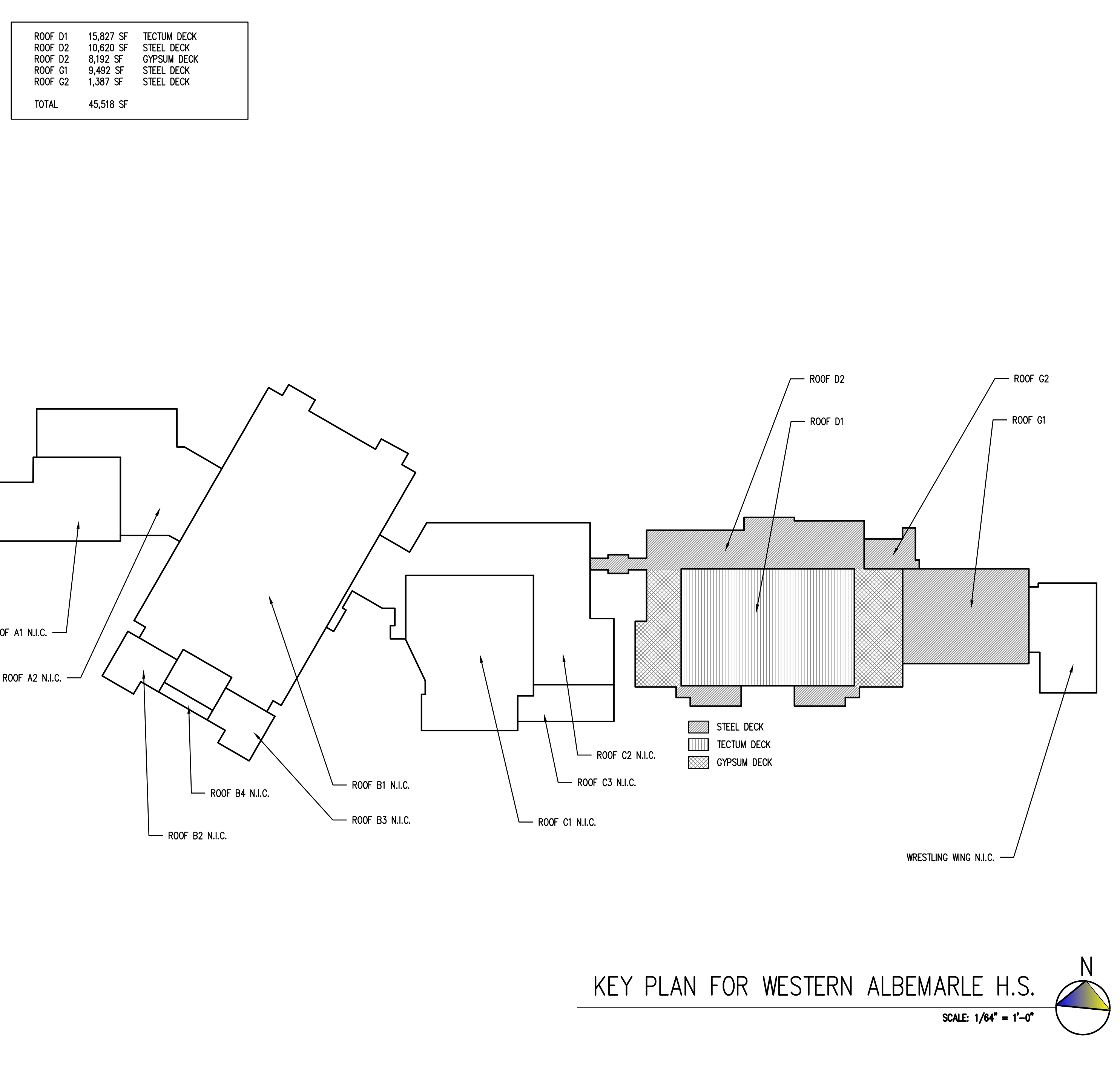
#### VICINITY MAP



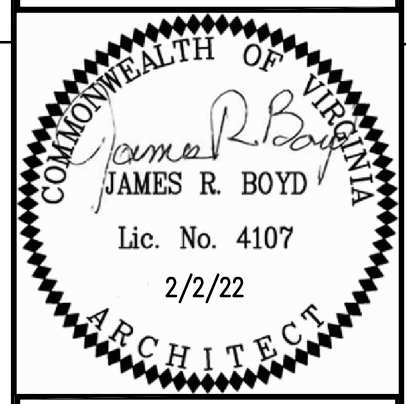
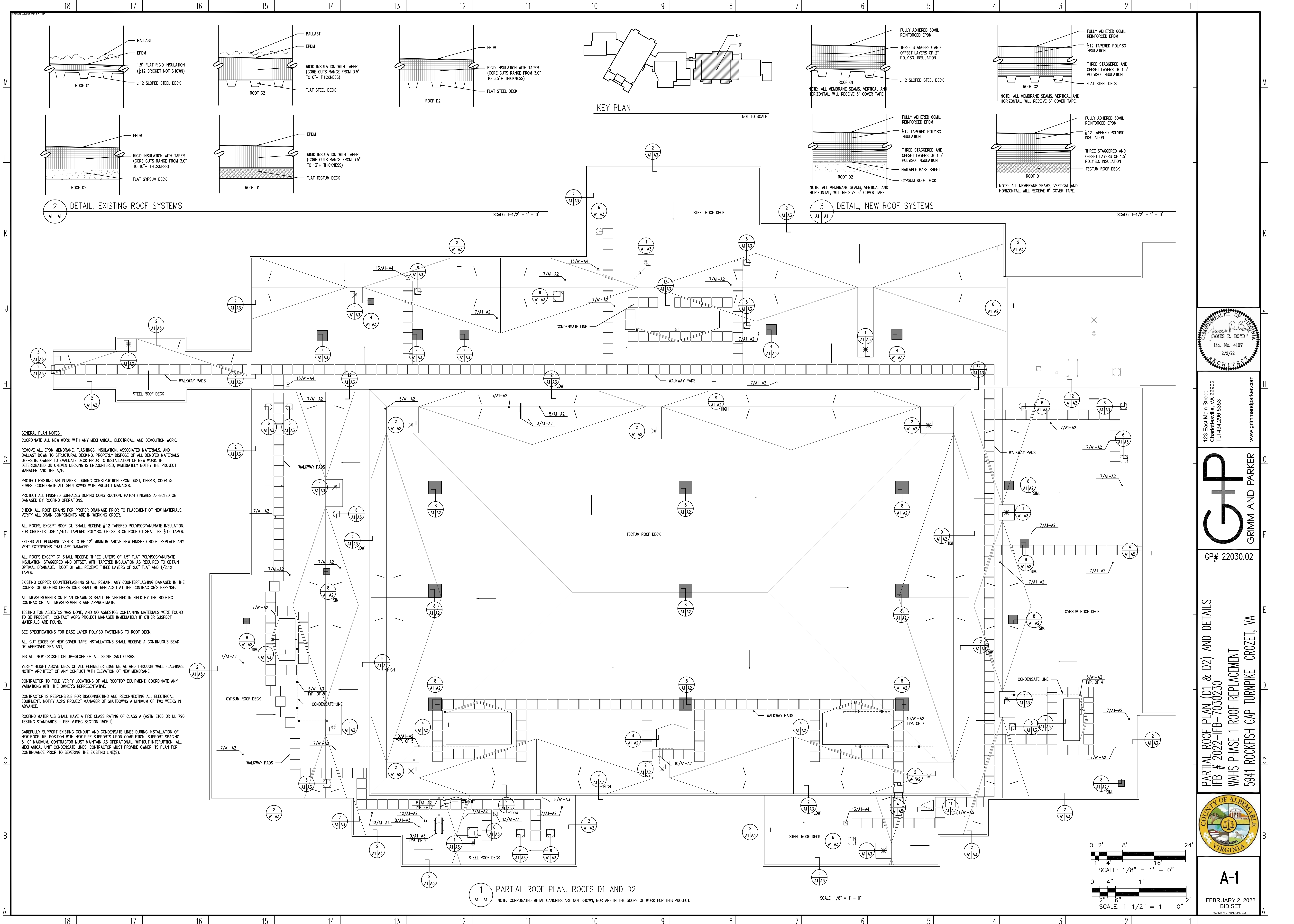
#### LOCATION MAP



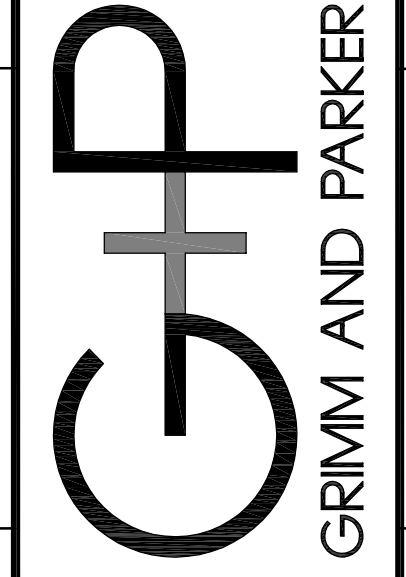
#### KEY PLANS





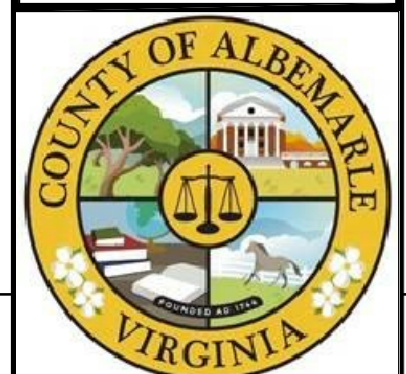


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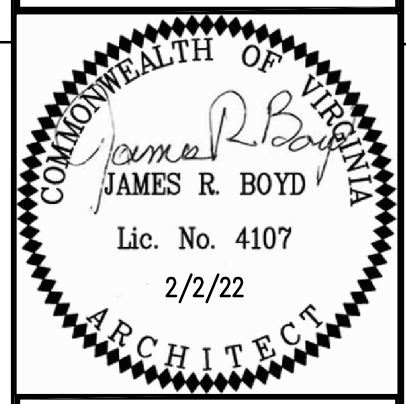
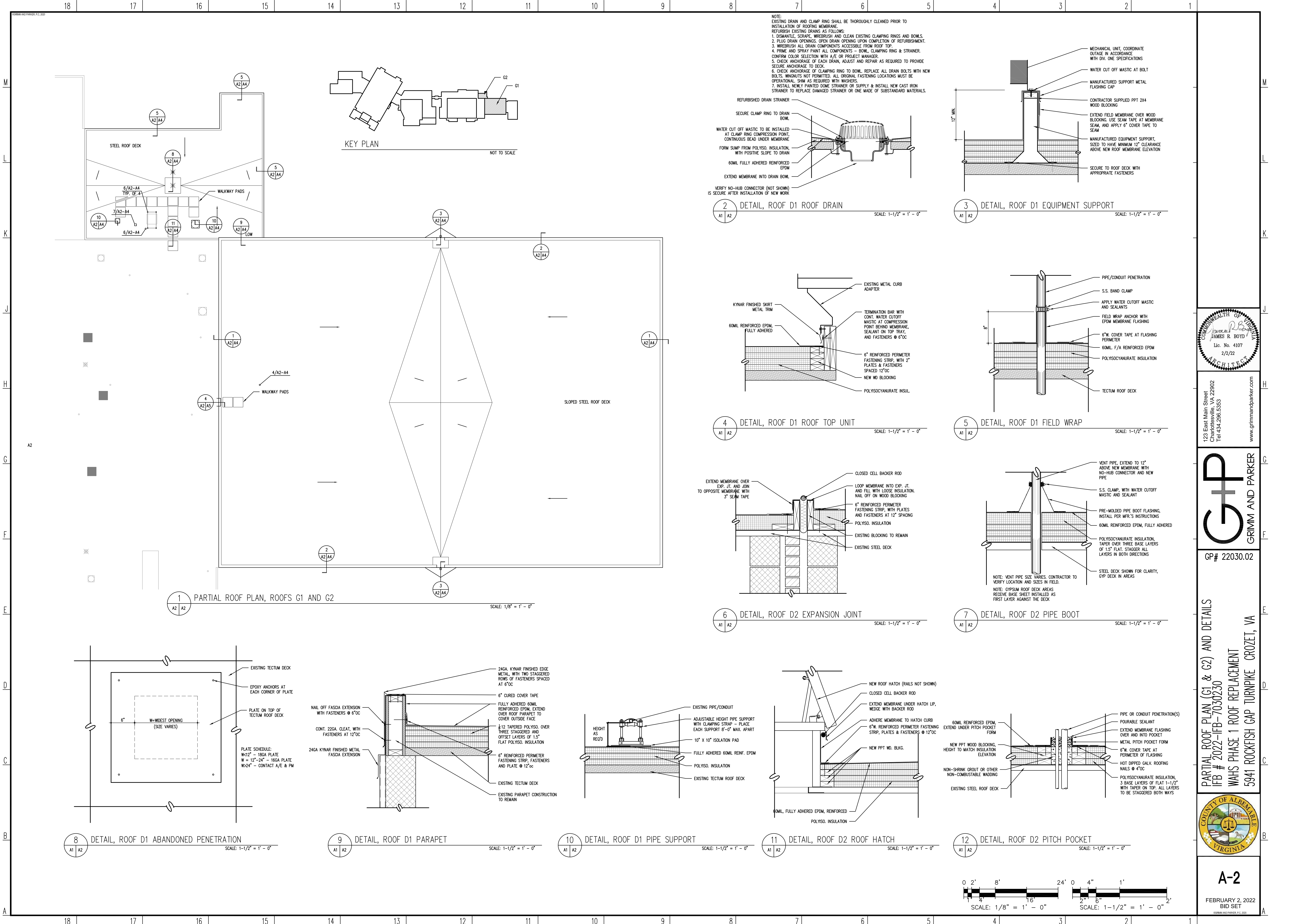
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PARTIAL ROOF PLAN (D1 & D2) AND DETAILS  
IFB # 2022-IFB-7030230  
WAHS PHASE 1 ROOF REPLACEMENT  
5941 ROCKFISH GAP TURNPIKE CROZET, VA

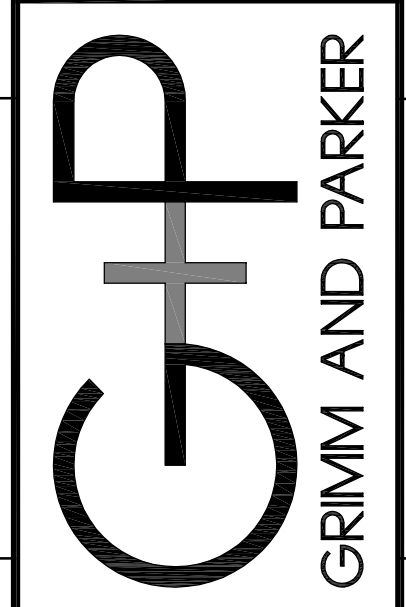


**A-1**  
FEBRUARY 2, 2022  
BID SET  
GSDM AND PARKER P.C. 2020



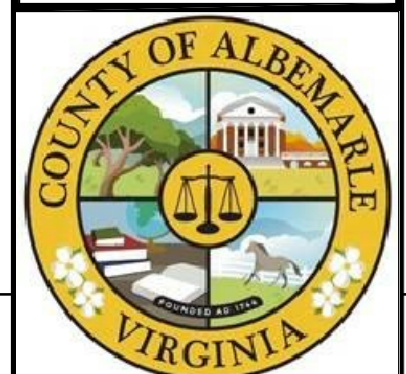


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PARTIAL ROOF PLAN (G1 & G2) AND DETAILS  
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**A-2**  
FEBRUARY 2, 2022  
BID SET  
ISSUED FOR PRELIMINARY REVIEW



M

L

K

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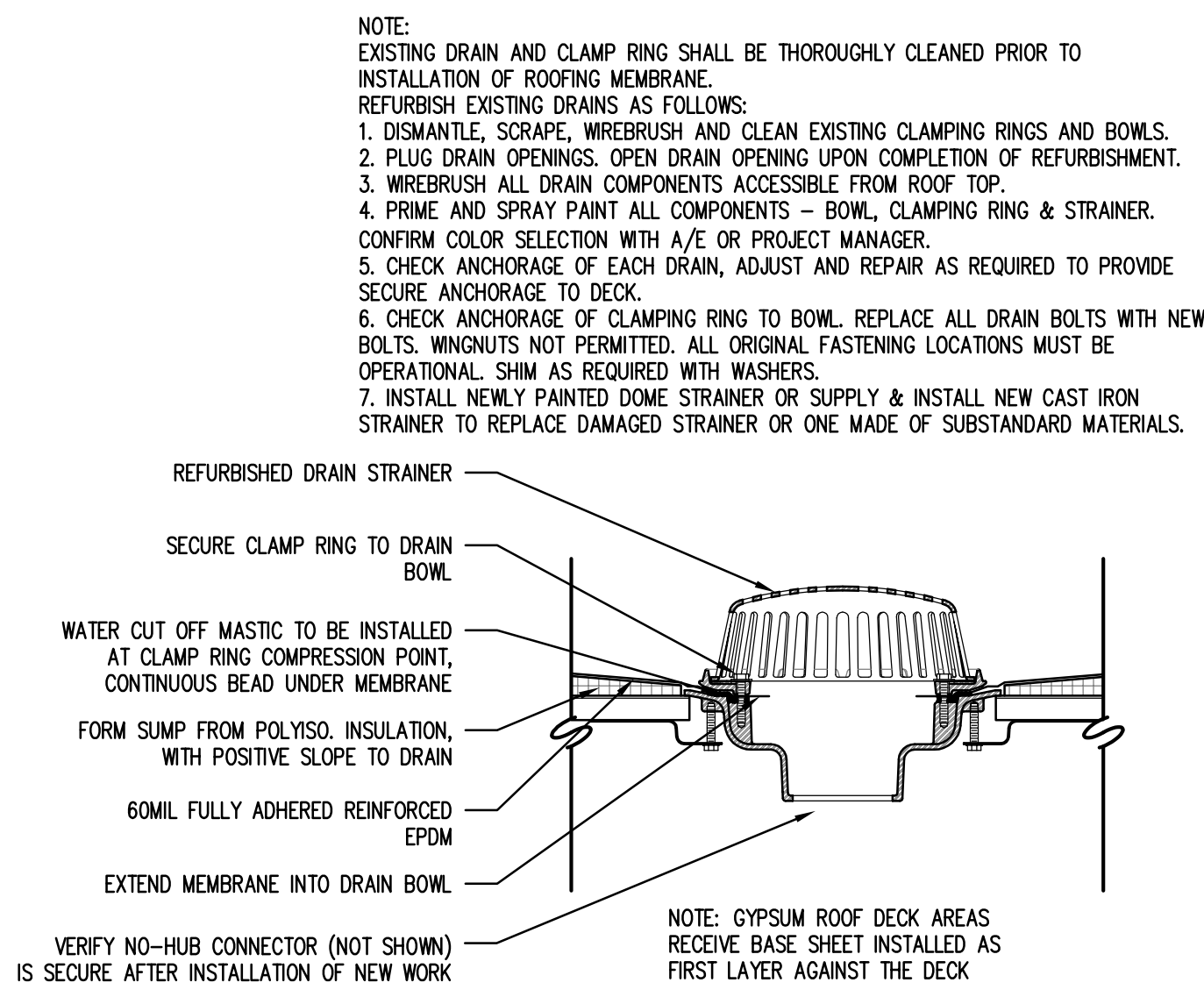
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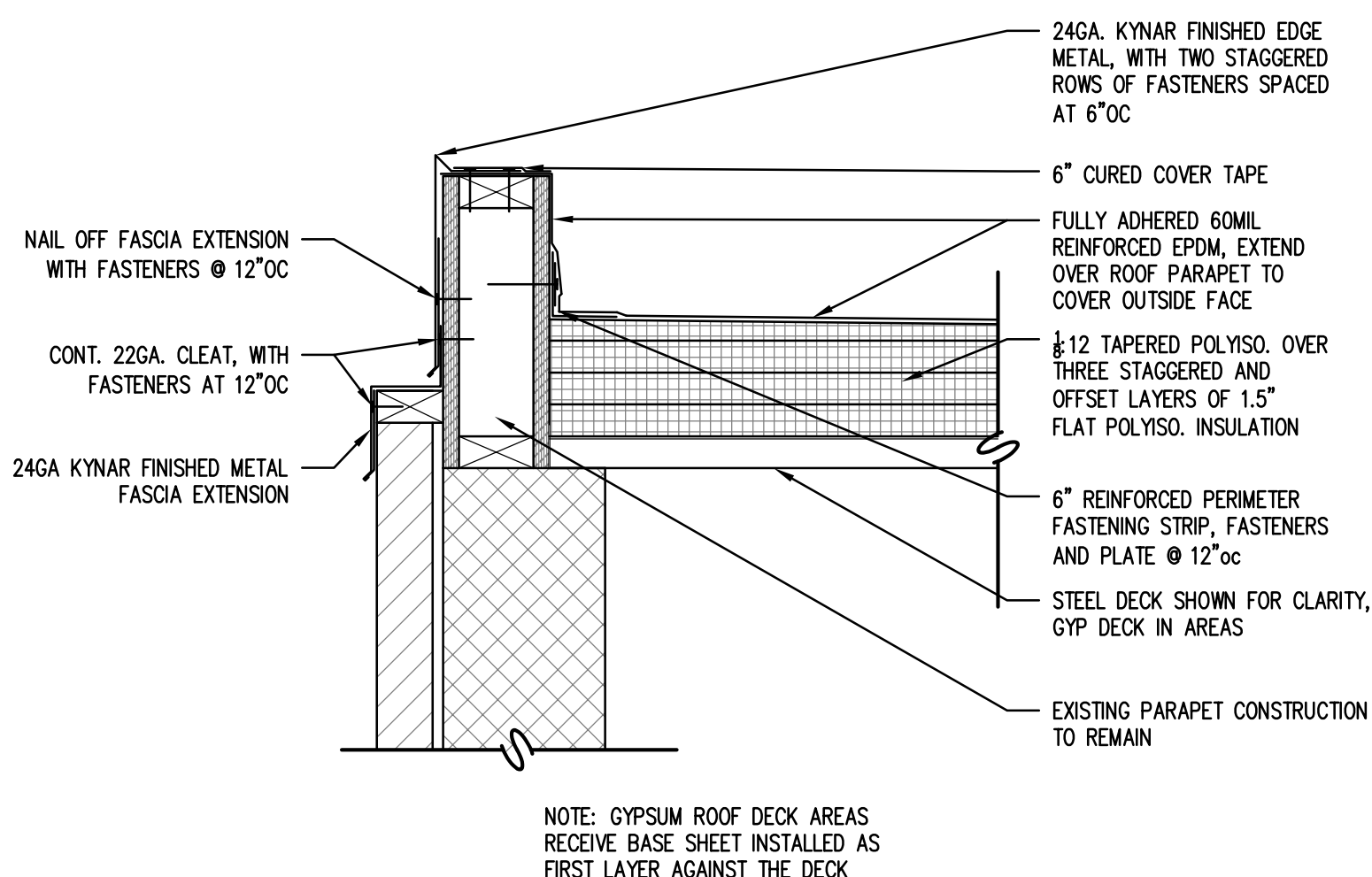
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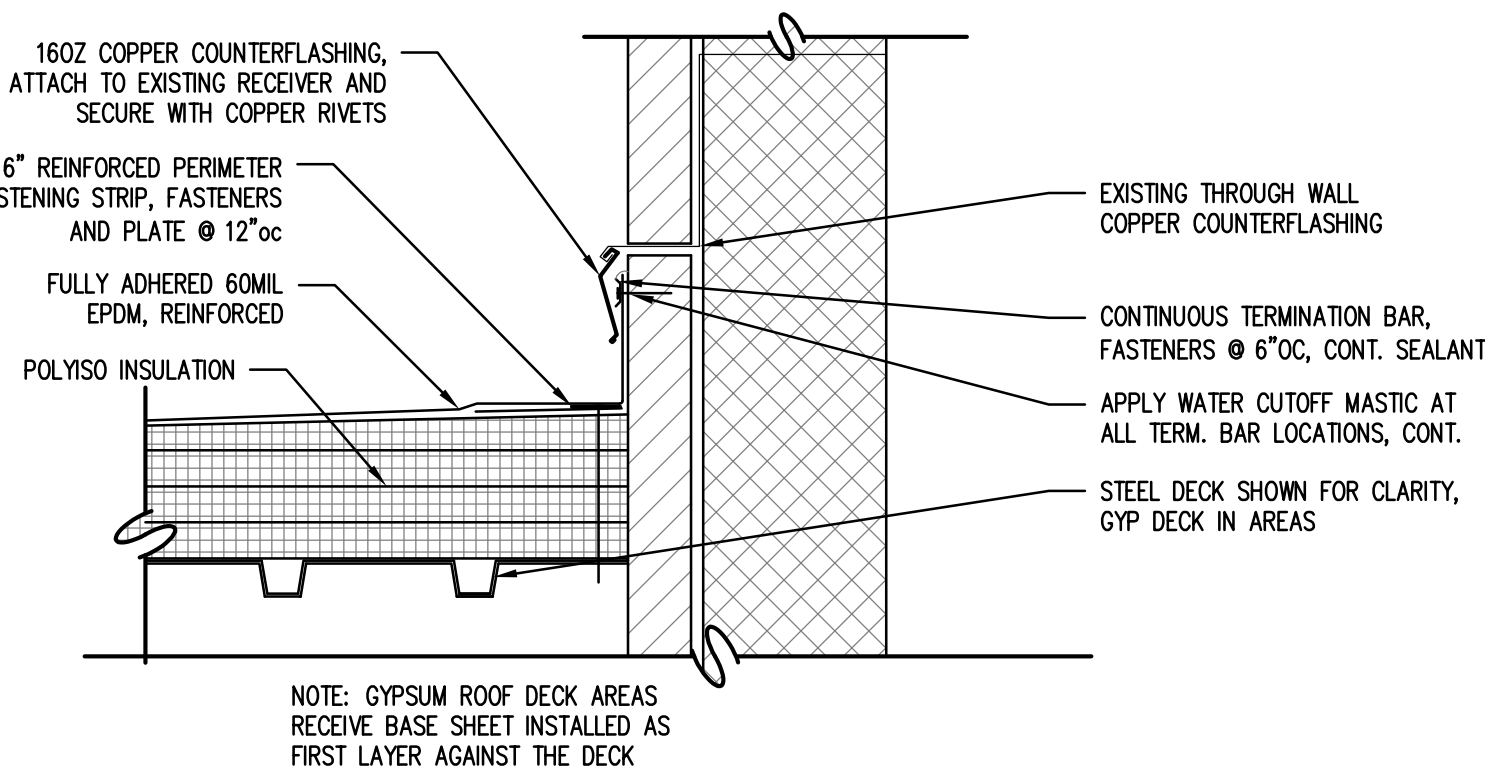
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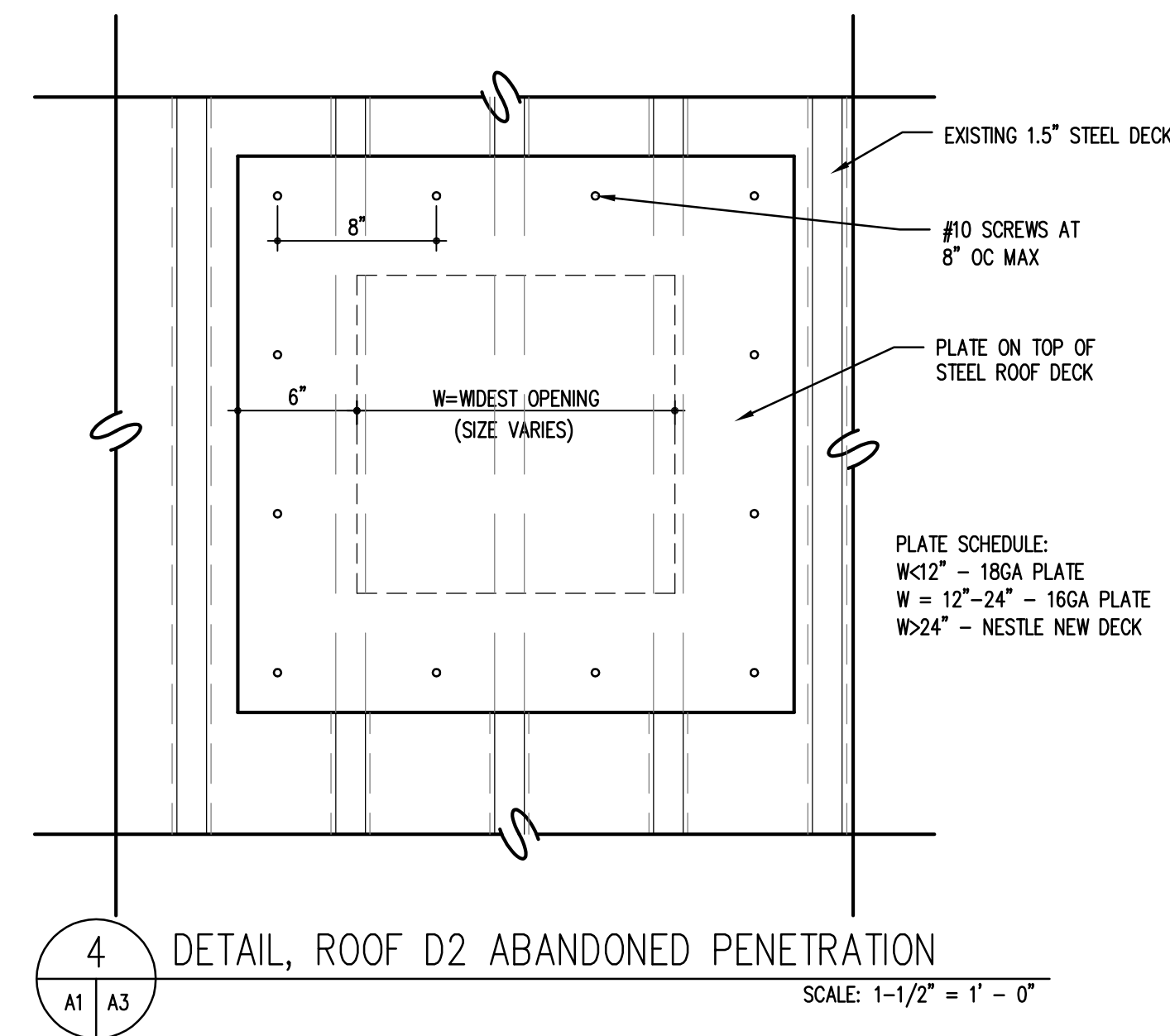
1 DETAIL, ROOF D2 ROOF DRAIN  
SCALE: 1-1/2" = 1' - 0"



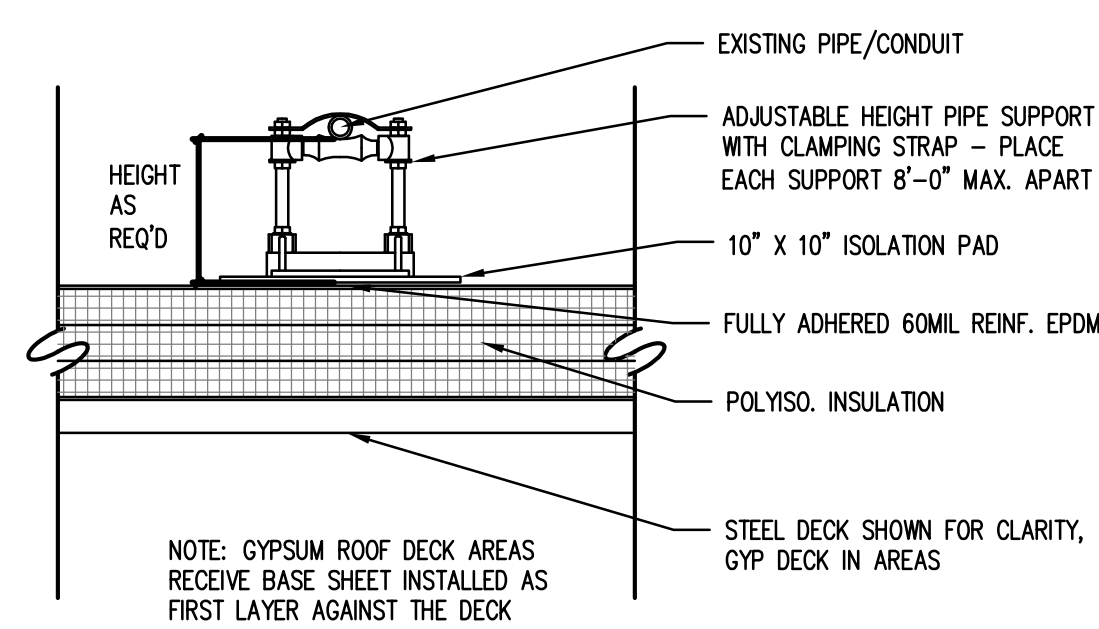
2 DETAIL, ROOF D2 PARAPET  
SCALE: 1-1/2" = 1' - 0"



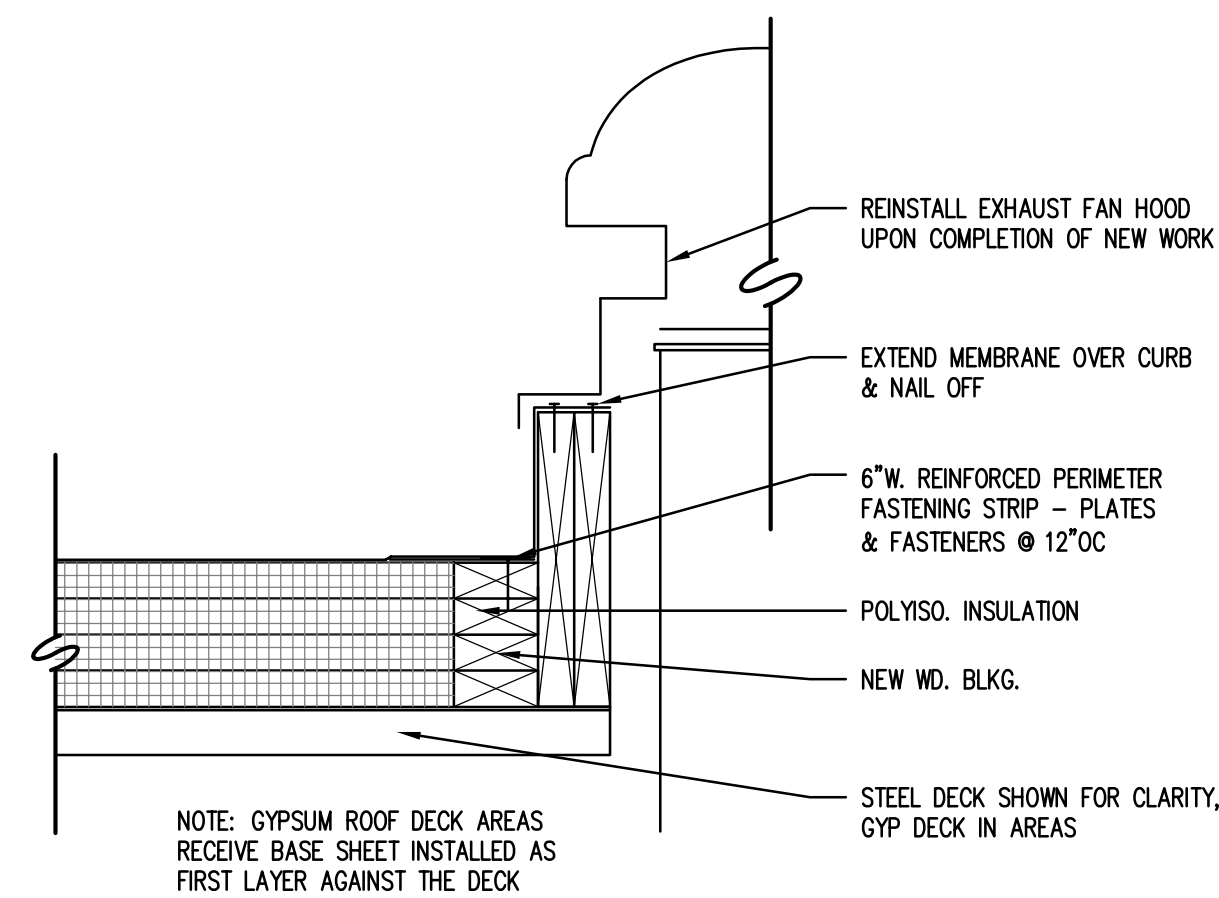
3 DETAIL, ROOF D2 RISING WALL  
SCALE: 1-1/2" = 1' - 0"



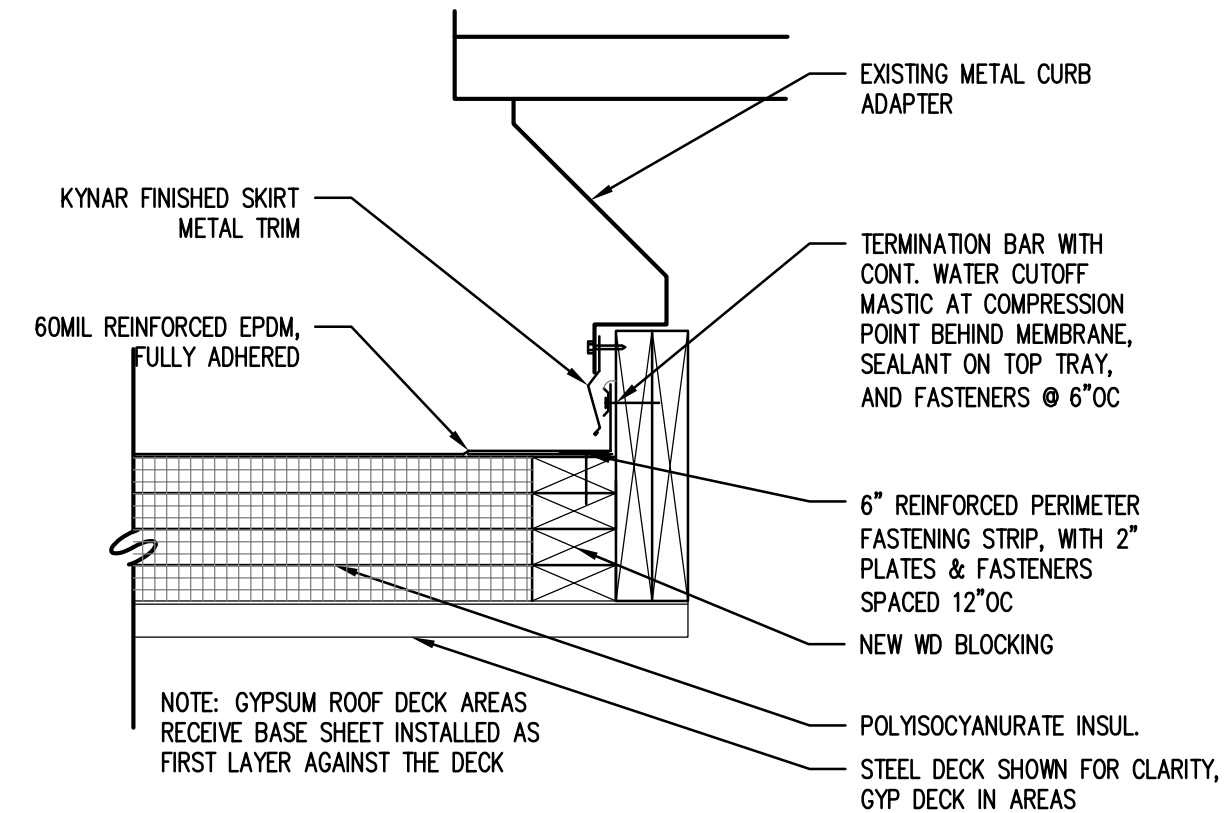
4 DETAIL, ROOF D2 ABANDONED PENETRATION  
SCALE: 1-1/2" = 1' - 0"



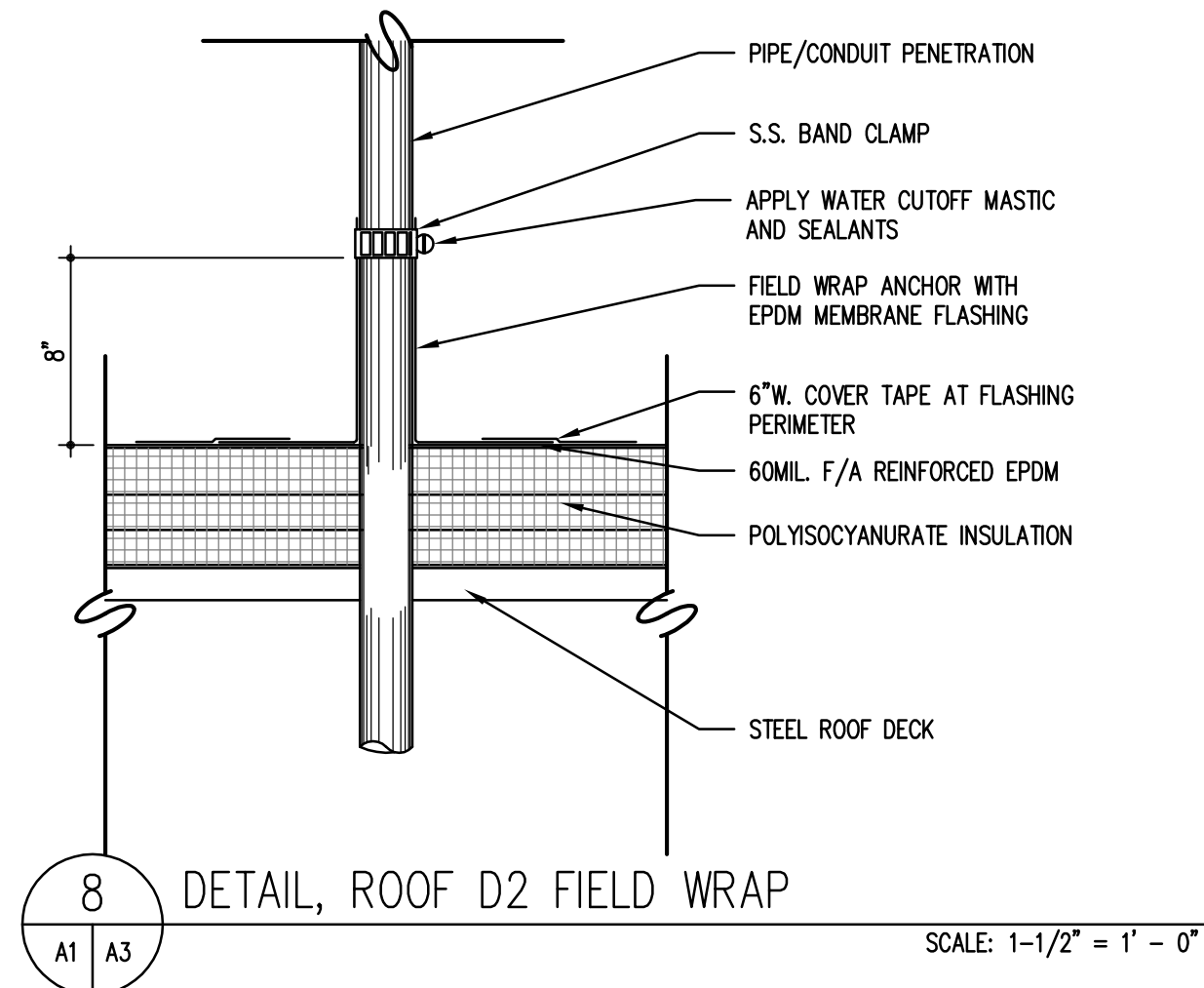
5 DETAIL, ROOF D2 PIPE SUPPORT  
SCALE: 1-1/2" = 1' - 0"



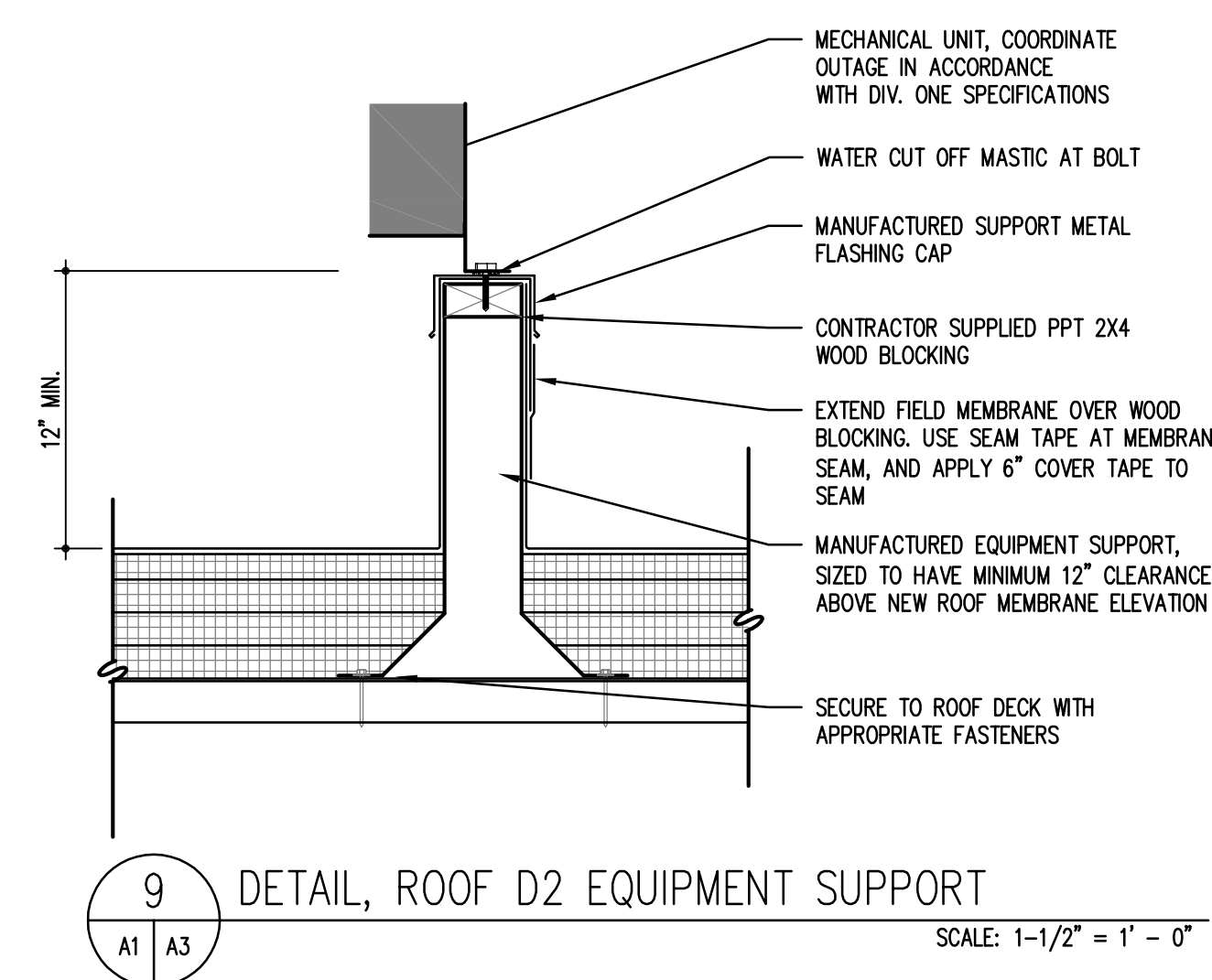
6 DETAIL, ROOF D2 EXHAUST FAN  
SCALE: 1-1/2" = 1' - 0"



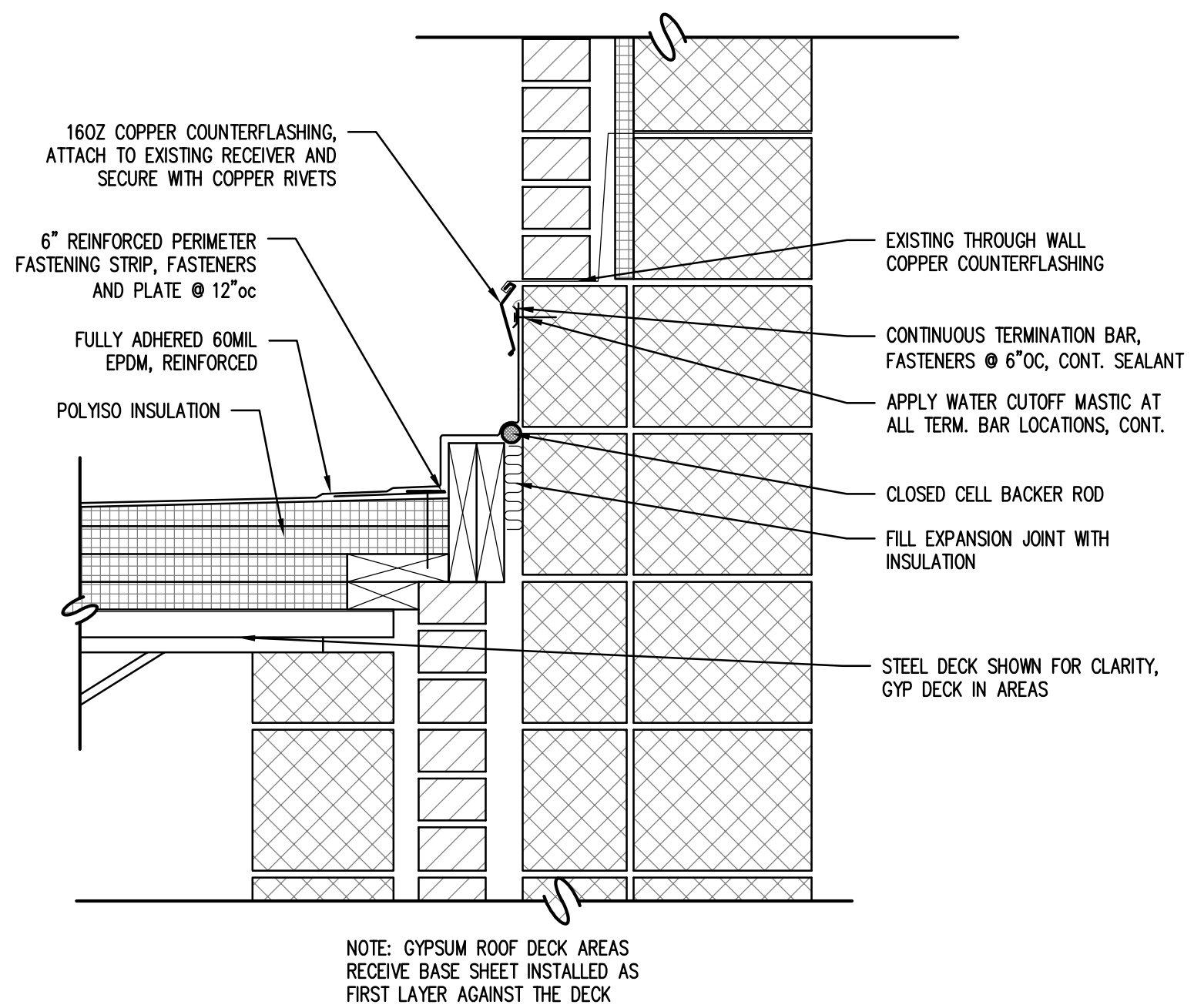
7 DETAIL, ROOF D2 ROOF TOP UNIT  
SCALE: 1-1/2" = 1' - 0"



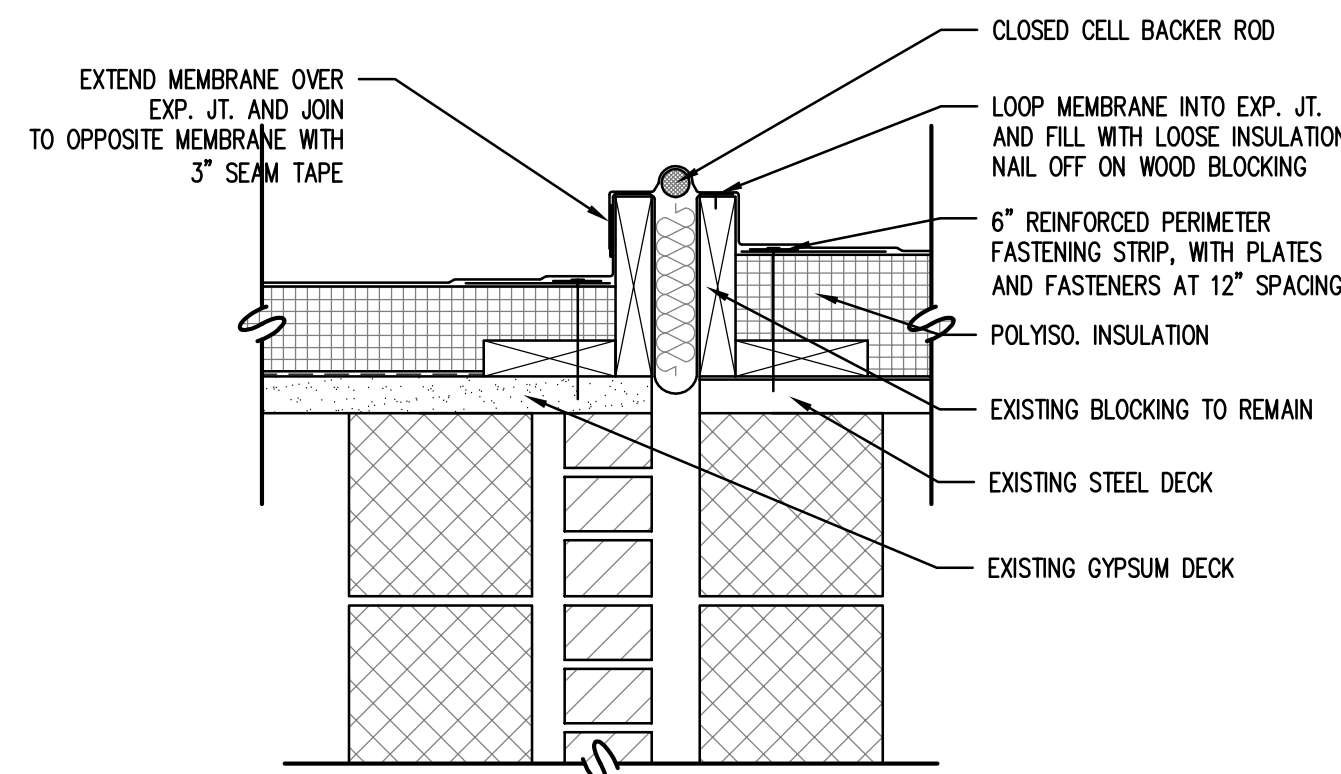
8 DETAIL, ROOF D2 FIELD WRAP  
SCALE: 1-1/2" = 1' - 0"



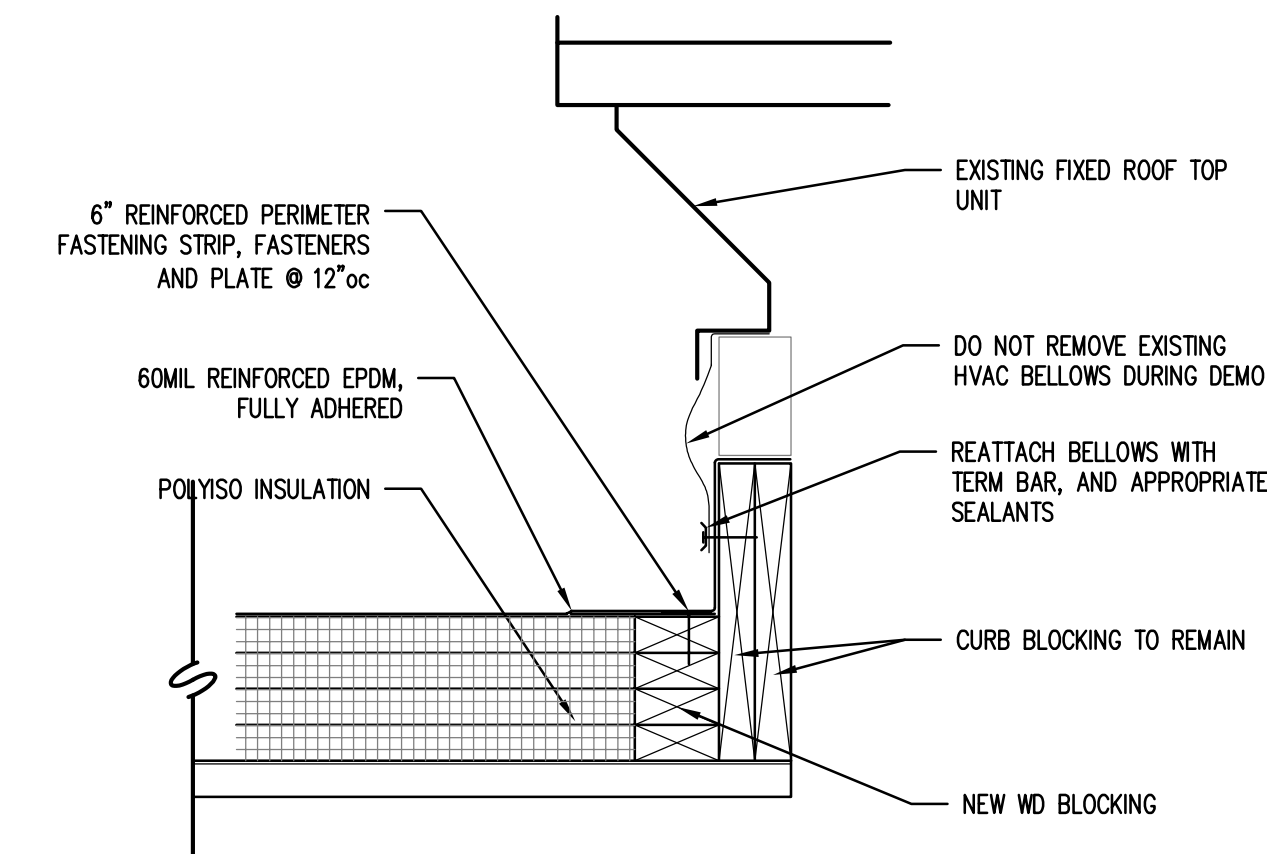
9 DETAIL, ROOF D2 EQUIPMENT SUPPORT  
SCALE: 1-1/2" = 1' - 0"



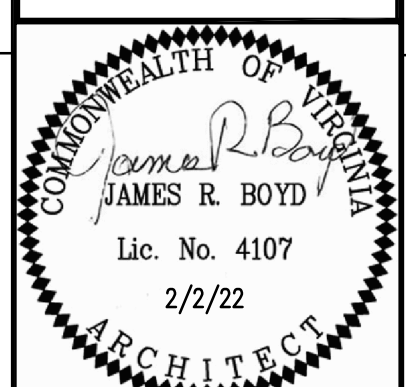
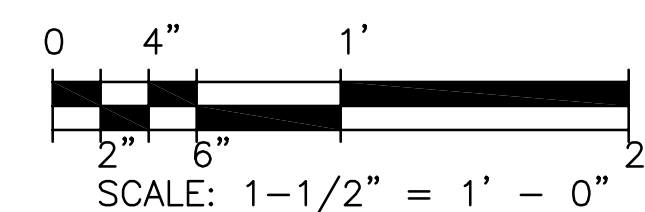
11 DETAIL, ROOF D2 RISING WALL EXP. JT.  
SCALE: 1-1/2" = 1' - 0"



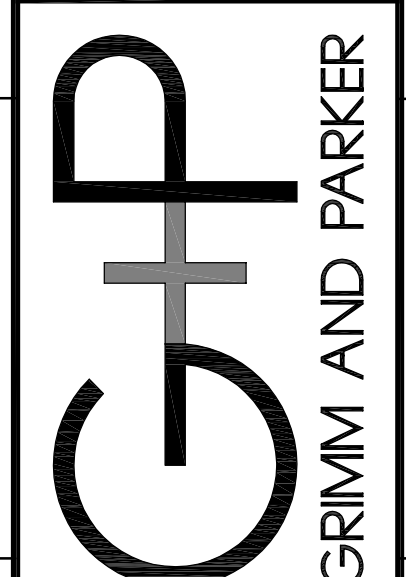
12 DETAIL, ROOF D2 EXPANSION JOINT  
SCALE: 1-1/2" = 1' - 0"



13 DETAIL, ROOF D2 ROOF TOP UNIT  
SCALE: 1-1/2" = 1' - 0"

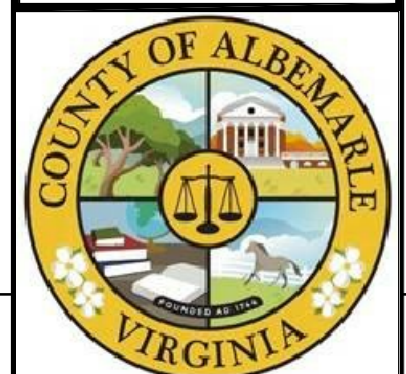


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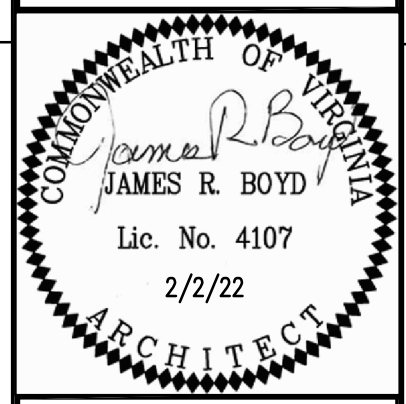
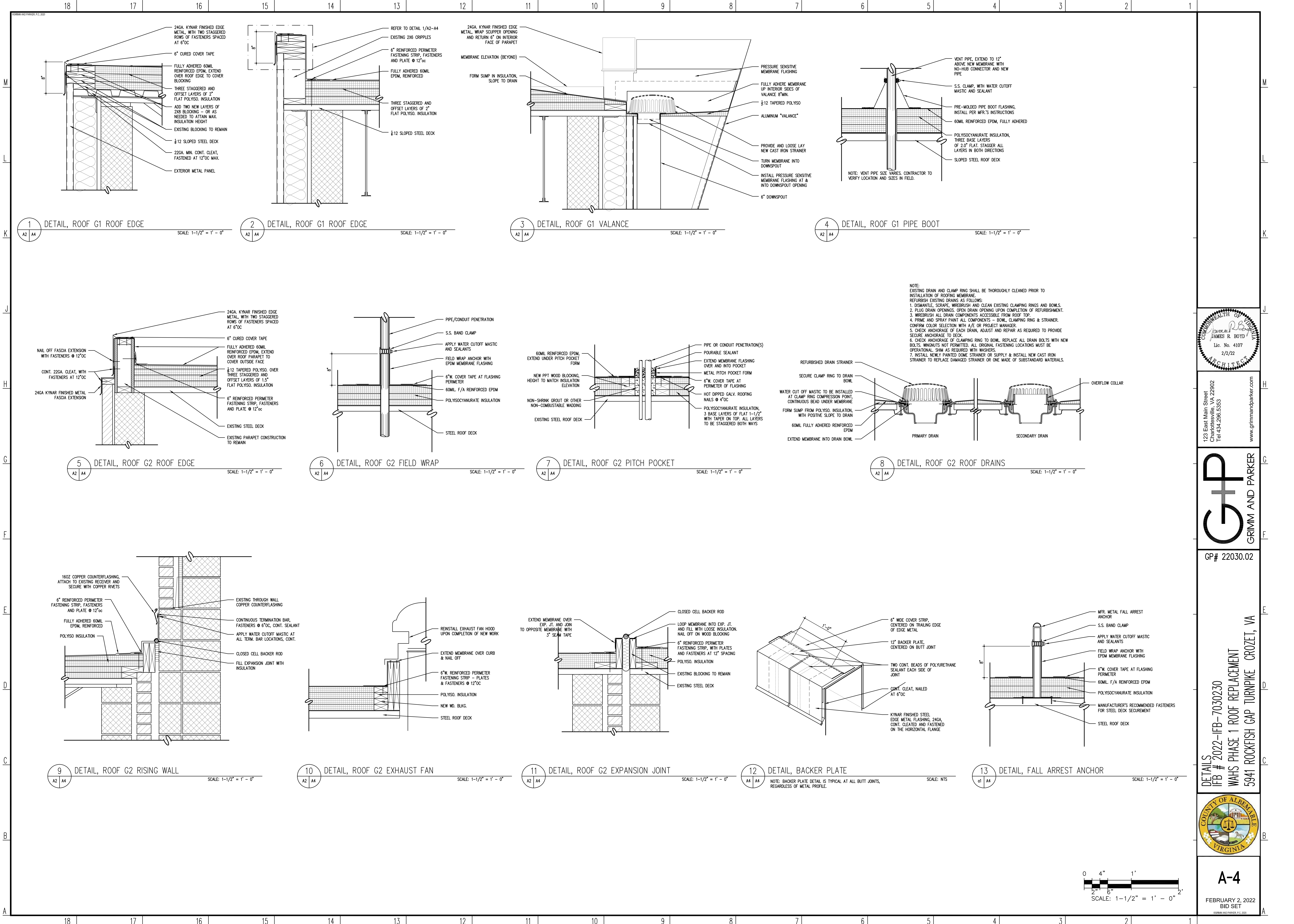
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DETAILS  
IFB # 2022-IFB-7030230  
WAHS PHASE 1 ROOF REPLACEMENT  
5941 ROCKFISH GAP TURNPIKE CROZET, VA

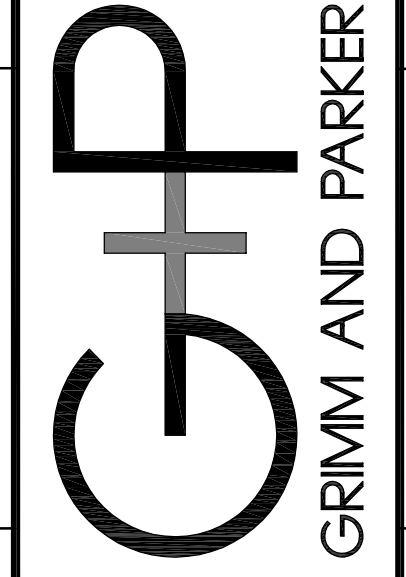


A-3  
FEBRUARY 2, 2022  
BID SET  
ISSUED FOR PHASE 1, P. 202





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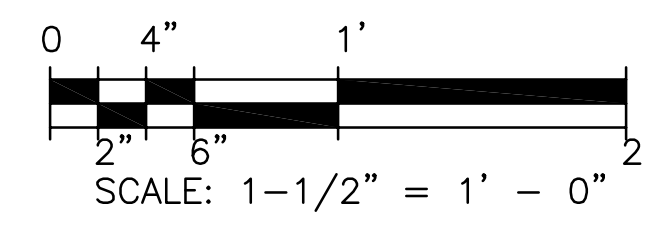


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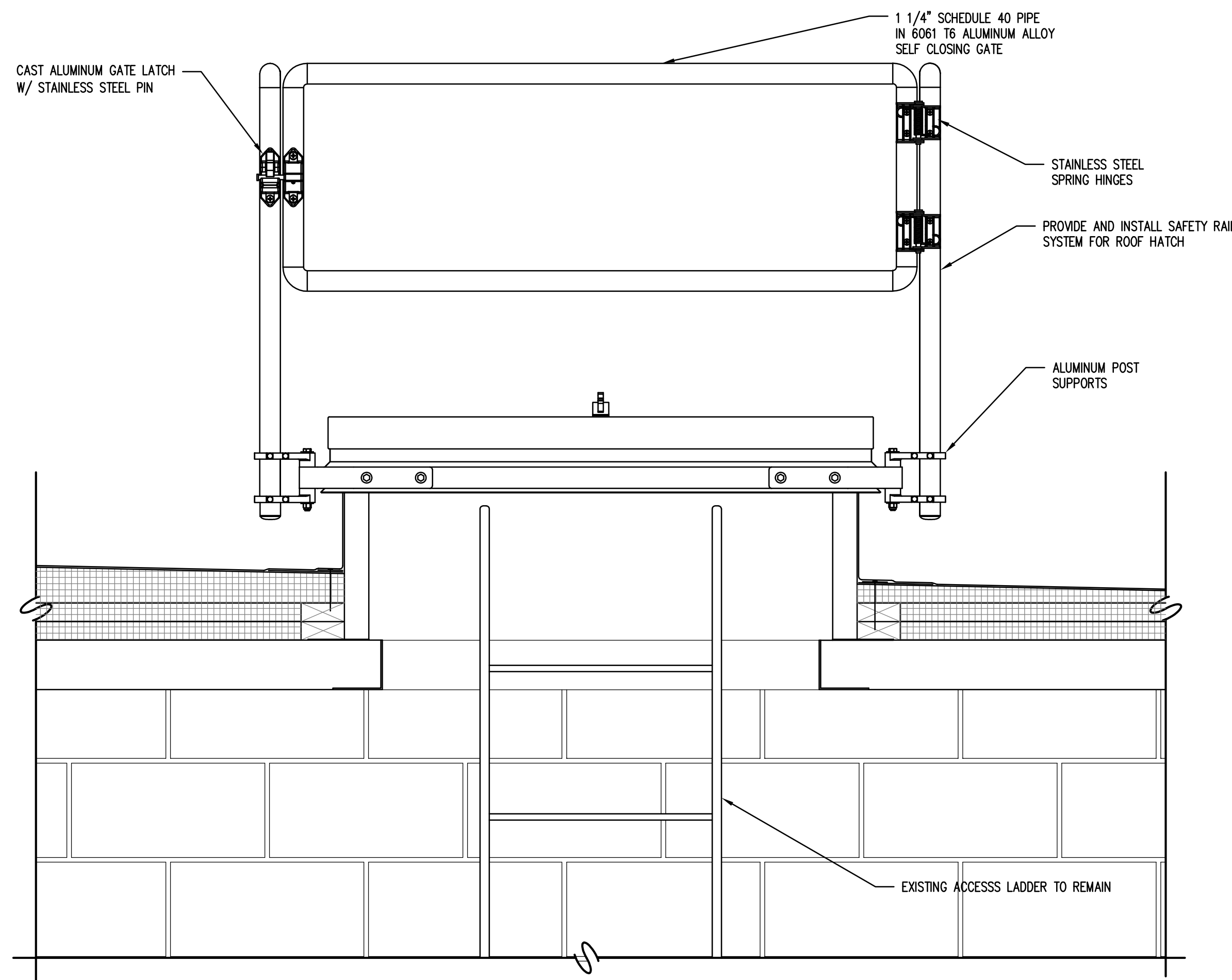
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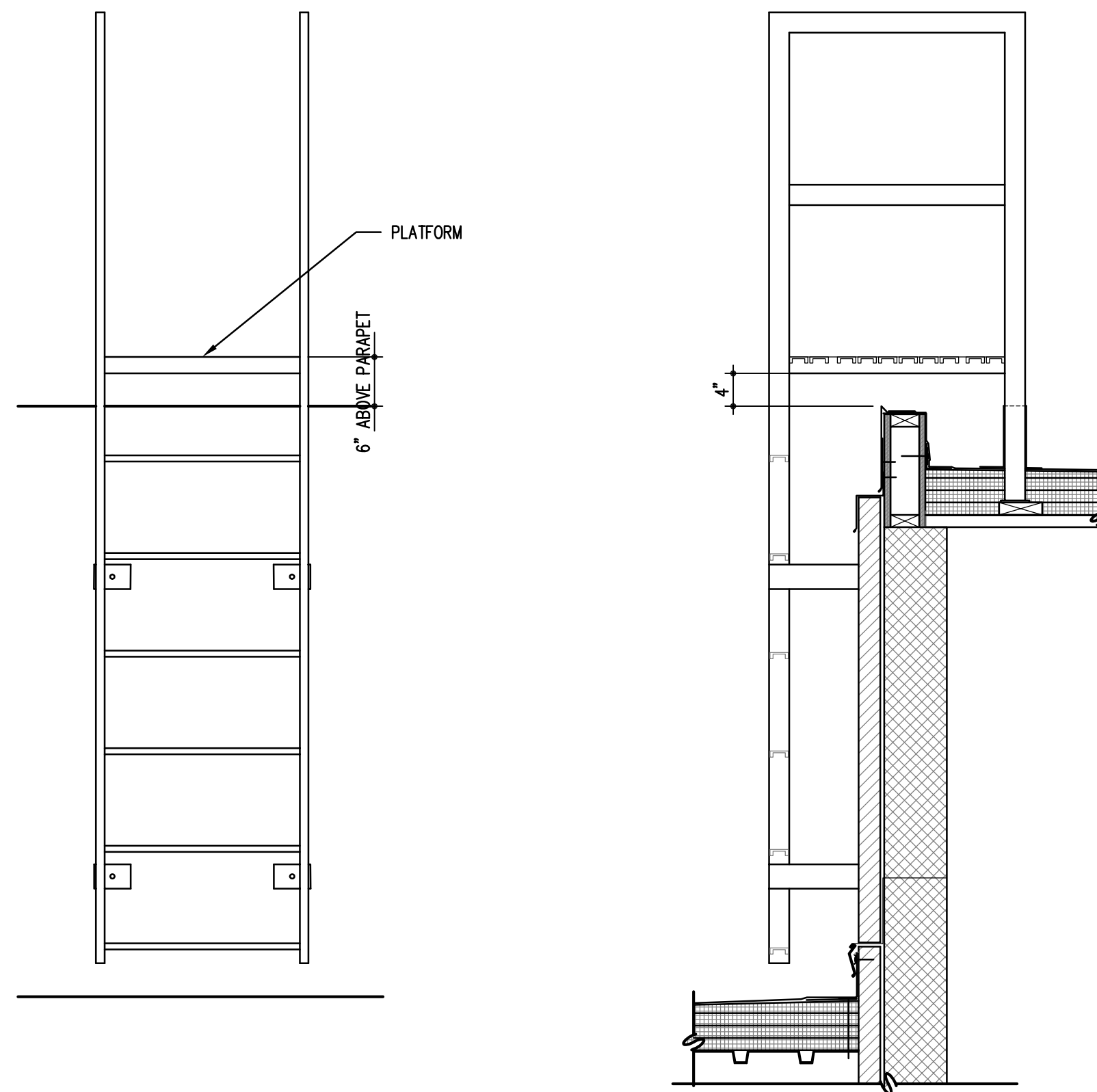
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FEBRUARY 2, 2022  
BID SET  
SC0044-160-PR0001 P.C. 2020



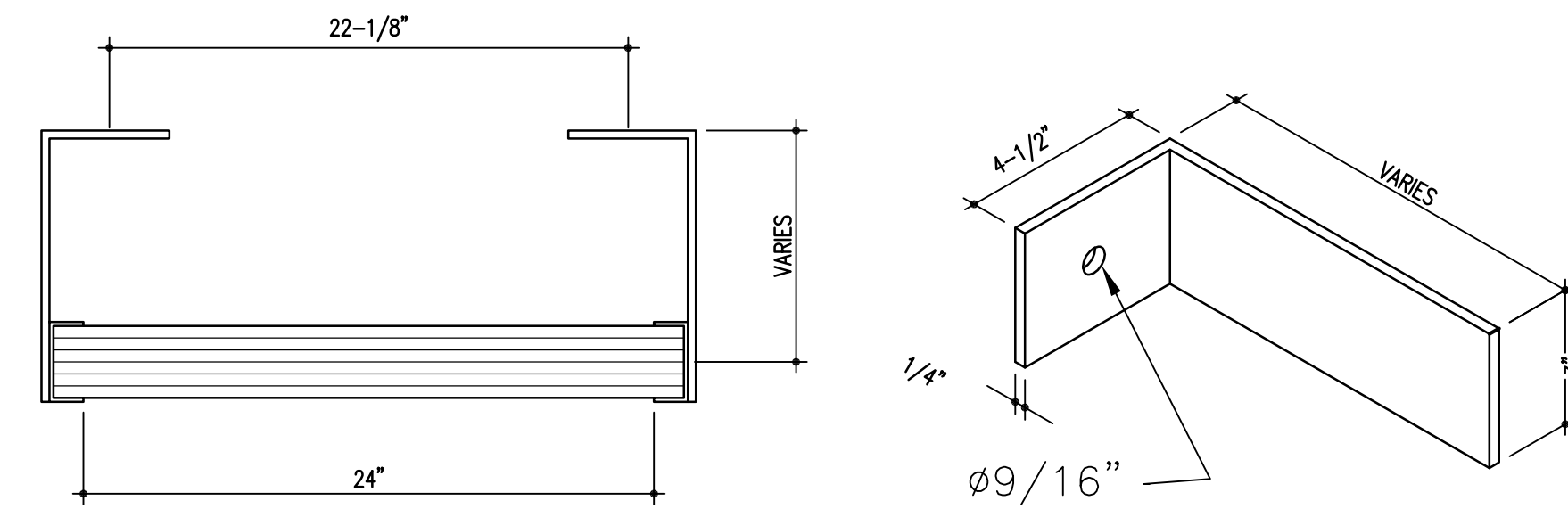




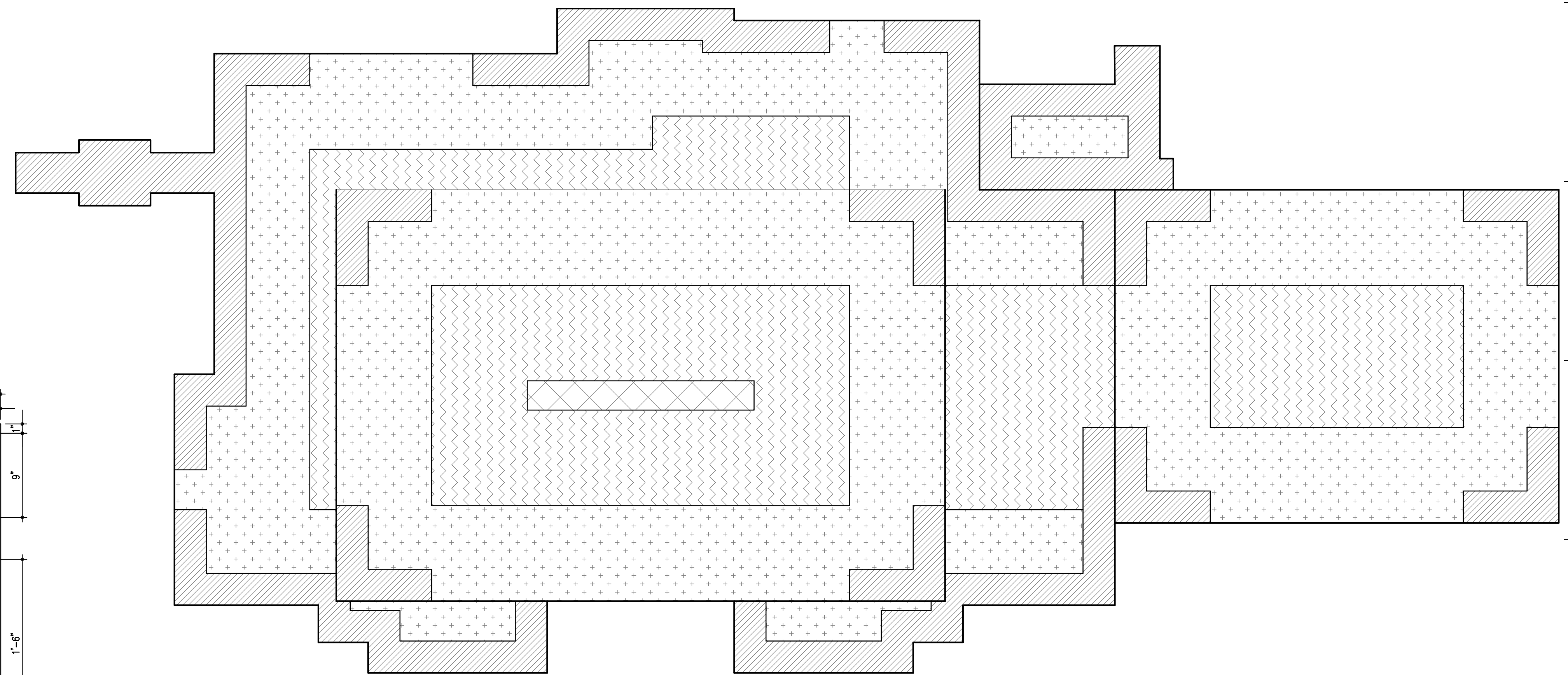
1 DETAIL, ROOF D2 HATCH SAFETY RAILS  
SCALE: 1-1/2" = 1' - 0"



2 DETAIL, ROOF D2 LADDER TO PHASE 2 ROOF  
SCALE: 3/4" = 1' - 0"



3 DETAIL, TYPICAL LADDER RUNG & BRACKET  
SCALE: N.T.S.

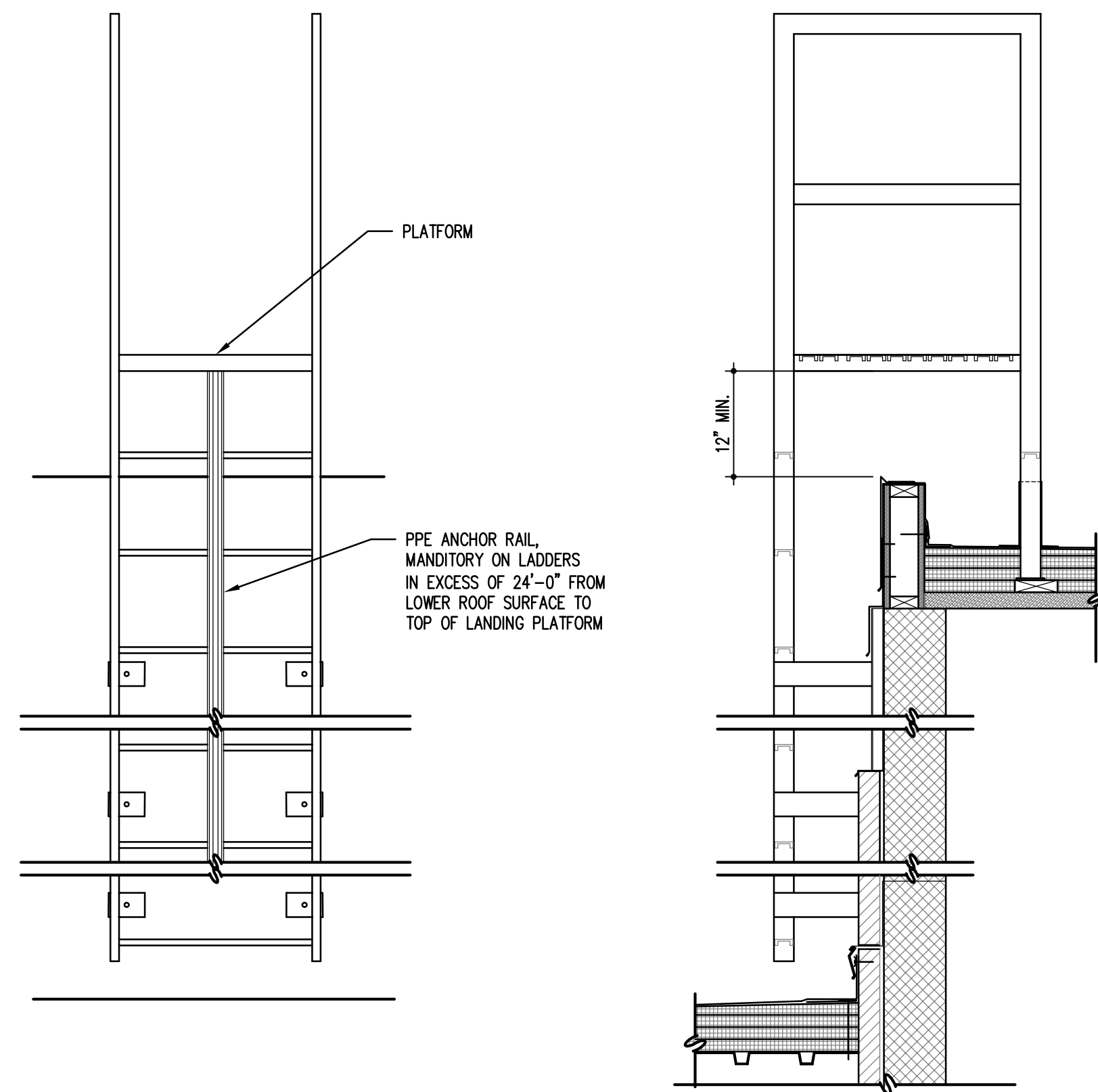


CORNER WIND ZONE - 24'-0" EACH DIRECTION FROM CORNER, 8'-0" FROM ROOF EDGE  
-88.46 PSF UPLIFT PRESSURE (USD); 90 PSF TESTED ASSEMBLY

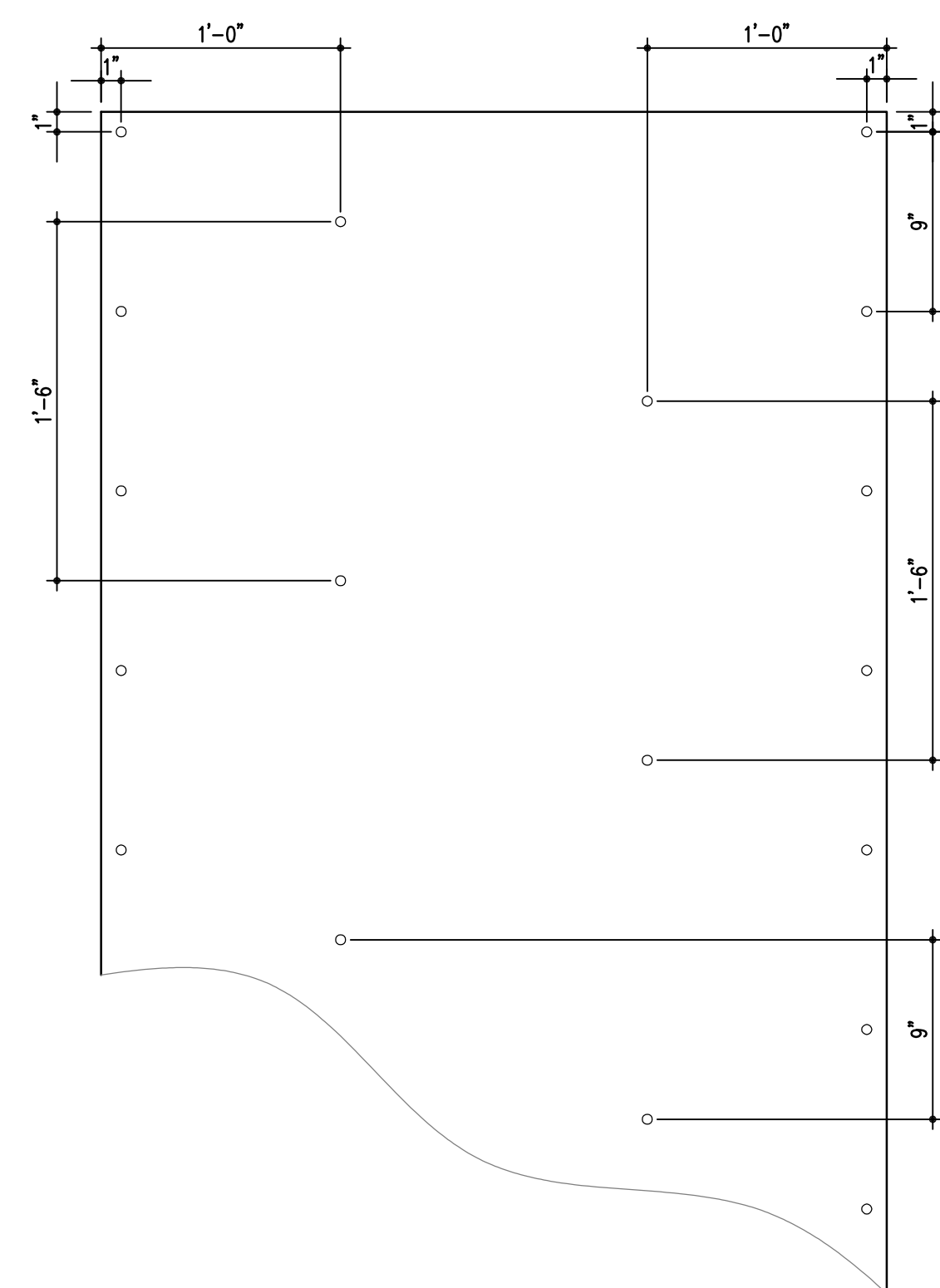
PERIMETER WIND ZONE - 0 TO 24'-0" FROM ROOF EDGE  
-64.92 PSF UPLIFT PRESSURE (USD); 75 PSF TESTED ASSEMBLY

FIELD WIND ZONE - 24'-0" TO 48'-0" FROM ROOF EDGE  
-49.21 PSF UPLIFT PRESSURE (USD); 60 PSF TESTED ASSEMBLY

FIELD PRIME WIND ZONE - EVERYTHING BEYOND 48'-0" FROM ROOF EDGE  
-28.27 PSF UPLIFT PRESSURE (USD); 60 PSF TESTED ASSEMBLY



4 DETAIL, ROOF D2 LADDERS TO BOTH D1 & G1  
SCALE: 3/4" = 1' - 0"

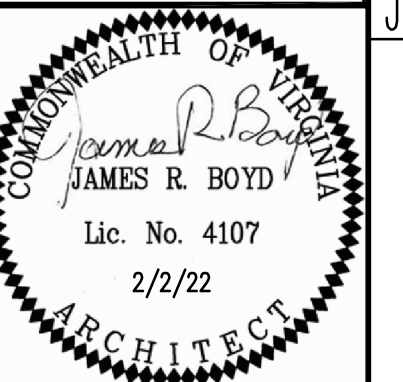


5 DETAIL, ROOF D2 BASE SHEET FASTENING PATTERN  
SCALE: 3/4" = 1' - 0"

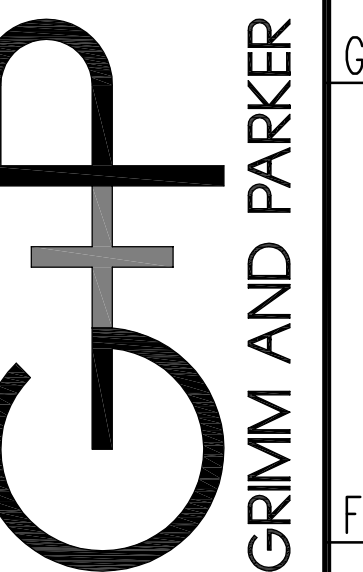
6 WIND UPLIFT ZONES ROOF PLAN  
N.T.S.

0 8" 2'  
4" 12" 4"  
SCALE: 3/4" = 1' - 0"

0 4" 1'  
2" 6" 2"  
SCALE: 1-1/2" = 1' - 0"

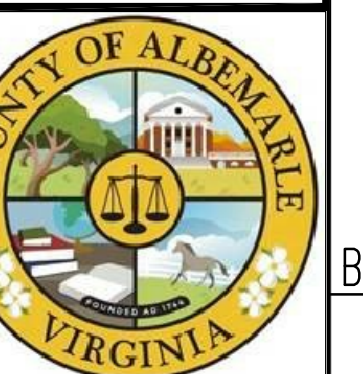


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DETAILS  
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5941 ROCKFISH GAP TURNPIKE CROZET, VA



A-5

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