



- REMOVE ATTIC VENTILATORS, PATCH HOLES
- LIFT & RELAY CLAY TILE ROOF, REPAIR DECKING & INSTALL UNDERLAYMENT PER PLANS
- REPAIR BRONZE CORNICE, REOPEN GUTTER SYSTEM
- REMOVE & REPLACE PRE-FINISHED METAL COPING
- PROTECT THE BUILDING & SITE THROUGHOUT CONSTRUCTION
- PROVIDE CONSTRUCTION FENCE AND SIGNAGE FOR CLOSING THE SIDEWALK

P1 SOUTH FACADE
NO SCALE



- REPAIR BRONZE CORNICE, REOPEN GUTTER SYSTEM
- INSTALL NEW SOFFIT VENTS PER PLANS
- REMOVE & REPLACE EXISTING SOFFIT VENTS

P5 TYP. SOFFIT VENT
NO SCALE



- REPAIR BRONZE CORNICE, REOPEN GUTTER SYSTEM
- APPLY BACKER ROD & SEALANT AT JOINT BETWEEN CORNICE & CHIMNEY
- INSTALL NEW SOFFIT VENTS PER PLANS

P9 CHIMNEY AT CORNICE
NO SCALE



- REMOVE & DISCARD CRACKED OR DAMAGED TILES
- LIFT & RELAY CLAY TILE ROOF, REPAIR DECKING & INSTALL UNDERLAYMENT PER PLANS

P13 TYP. TILE CONDITION
NO SCALE



- REPAIR BRONZE CORNICE, REOPEN GUTTER SYSTEM
- INSTALL NEW SOFFIT VENTS PER PLANS
- REMOVE & REPLACE PRE-FINISHED METAL COPING
- ROOF LADDER TO REMAIN
- INSTALL NEW TERMINATION BAR & INSERT INTO REGLET, SEAL TOP EDGE
- REMOVE EPDM ROOF SYSTEM DOWN TO DECK, INSPECT FOR DETERIORATION & REPORT TO ARCHITECT, INSTALL NEW EPDM ROOF SYSTEM WITH POLYISO INSULATION (R-30 MIN.)

P17 ROOF LADDER
NO SCALE



- REMOVE ATTIC VENTILATORS, PATCH HOLES
- SALVAGE & REINSTALL RIDGE TERMINAL, RIDGE TILE, & HIP TILES
- LIFT & RELAY CLAY TILE ROOF, REPAIR DECKING & INSTALL UNDERLAYMENT PER PLANS

P2 ROOF VENTILATOR
NO SCALE



- REPAIR BRONZE CORNICE, REOPEN GUTTER SYSTEM
- RESET CORNICE PIECES TO GET TIGHT FITTING JOINTS
- INSTALL NEW BRONZE SCREWS, APPLY SEALANT TO JOINTS
- INSTALL NEW SOFFIT VENTS PER PLANS

P6 CORNICE SEAM
NO SCALE



- REMOVE ATTIC VENTILATORS, PATCH HOLES
- SALVAGE & REINSTALL RIDGE TERMINAL, RIDGE TILE, & HIP TILES
- NEW COPPER RIDGE VENT, INSTALL JUST BELOW RIDGE TILE
- TILES FROM THE NORTH FACE OF THE ROOF SHALL BE SALVAGED & INTEGRATED INTO THE OTHER THREE ROOF FACES, NORTH ROOF SHALL RECEIVE EITHER NEW TILE OR MATCHING SALVAGED TILE
- RETURN REPLACEMENT TILES TO THE OWNER, DO NOT MIX INTO TILE TO BE REUSED
- EXHAUST VENT TO REMAIN

P10 NORTH FACE OF ROOF
NO SCALE



- REMOVE ATTIC VENTILATORS, PATCH HOLES
- REPAIR BRONZE CORNICE, REOPEN GUTTER SYSTEM
- REMOVE & REPLACE PRE-FINISHED METAL COPING
- REOPEN OVERFLOW SCUPPERS, INSTALL NEW LINER
- PROTECT THE BUILDING & SITE THROUGHOUT CONSTRUCTION
- PROVIDE CONSTRUCTION FENCE AND SIGNAGE FOR CLOSING THE SIDEWALK

P14 WEST FACADE
NO SCALE



- LIFT & RELAY CLAY TILE ROOF, REPAIR DECKING & INSTALL UNDERLAYMENT PER PLANS
- REMOVE GUTTER COVER
- REMOVE HVAC EQUIPMENT, WOOD RAILS, CURBS, PADS, LINES, ETC.
- REMOVE & REPLACE TERMINATION BAR & FLASHING
- REMOVE EPDM ROOF SYSTEM DOWN TO DECK, INSPECT FOR DETERIORATION & REPORT TO ARCHITECT, INSTALL NEW EPDM ROOF SYSTEM WITH POLYISO INSULATION (R-30 MIN.)

P18 TYP. HVAC
NO SCALE



- LIFT & RELAY CLAY TILE ROOF, REPAIR DECKING & INSTALL UNDERLAYMENT PER PLANS
- REMOVE RAIN DIVERTER BAR
- SALVAGE & REINSTALL EDGE CLOSURE TILES
- REMOVE GUTTER COVER
- REPAIR BRONZE CORNICE, REOPEN GUTTER SYSTEM

P3 TYPICAL CORNICE
NO SCALE



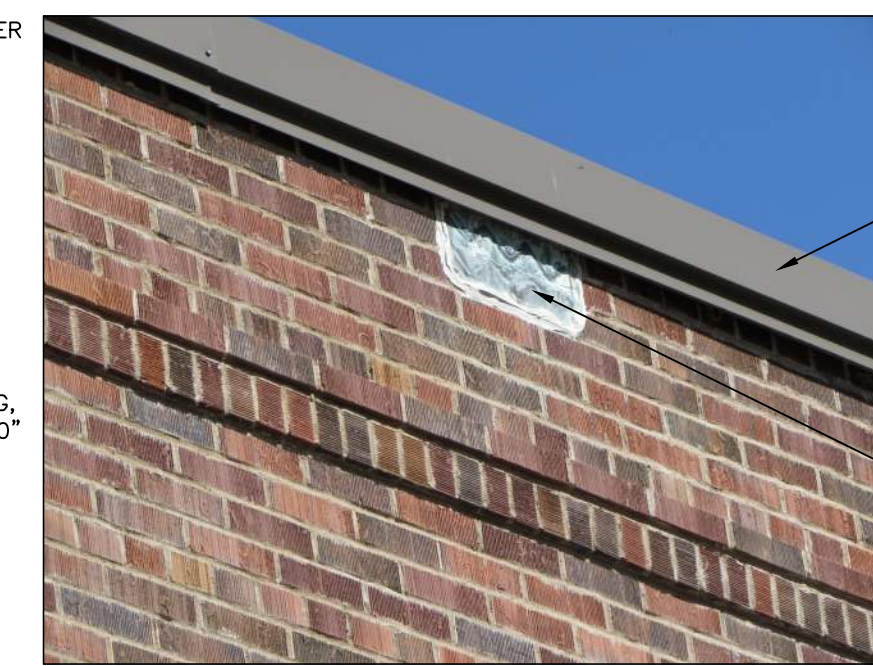
- LIFT & RELAY CLAY TILE ROOF, REPAIR DECKING & INSTALL UNDERLAYMENT PER PLANS
- SALVAGE & REINSTALL HIP TILES
- SALVAGE & REINSTALL EAVE CLOSURE TILES
- REMOVE GUTTER COVER

P7 TYP. HIP TILE
NO SCALE



- REBUILD CRICKET, COVER WITH NEW COPPER
- REMOVE & REPLACE COPPER STEP FLASHING, CUT IN NEW REGLET 10" MIN. ABOVE ROOF
- TURN STEP FLASHING OUT FROM CHIMNEY UNDER TILE ROOF

P11 FLASHING @ CHIMNEY
NO SCALE



- REMOVE & REPLACE PRE-FINISHED METAL COPING
- REOPEN OVERFLOW SCUPPERS, INSTALL NEW LINER

P15 WEST SCUPPER
NO SCALE



- REMOVE GUTTER COVER
- REMOVE HVAC EQUIPMENT, WOOD RAILS, CURBS, PADS, LINES, ETC.
- REMOVE & REPLACE ROOF DRAINS, SUMPS & LEADERS
- REMOVE EPDM ROOF SYSTEM DOWN TO DECK, INSPECT FOR DETERIORATION & REPORT TO ARCHITECT, INSTALL NEW EPDM ROOF SYSTEM WITH POLYISO INSULATION (R-30 MIN.)

P19 WEST FLAT ROOF
NO SCALE



- LIFT & RELAY CLAY TILE ROOF, REPAIR DECKING & INSTALL UNDERLAYMENT PER PLANS
- REMOVE GUTTER COVER
- REPAIR BRONZE CORNICE, REOPEN GUTTER SYSTEM
- INSTALL NEW SOFFIT VENTS PER PLANS
- REMOVE & REPLACE PRE-FINISHED METAL COPING

P4 TYP. ROOF CORNER
NO SCALE



- LIFT & RELAY CLAY TILE ROOF, REPAIR DECKING & INSTALL UNDERLAYMENT PER PLANS
- REMOVE GUTTER COVER
- REPAIR BRONZE CORNICE, REOPEN GUTTER SYSTEM

P8 TYP. GUTTER CONDITION
NO SCALE



- REMOVE ATTIC VENTILATORS, PATCH HOLES
- LIFT & RELAY CLAY TILE ROOF, REPAIR DECKING & INSTALL UNDERLAYMENT PER PLANS
- NEW COPPER RIDGE VENT, INSTALL JUST BELOW RIDGE TILE
- REMOVE HVAC PIPES, REPLACE THIS SECTION OF BRONZE CORNICE
- REMOVE EPDM ROOF SYSTEM DOWN TO DECK, INSPECT FOR DETERIORATION & REPORT TO ARCHITECT, INSTALL NEW EPDM ROOF SYSTEM WITH POLYISO INSULATION (R-30 MIN.)

P12 WEST FACE OF ROOF
NO SCALE



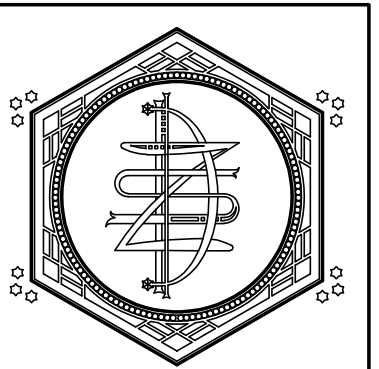
- REMOVE HVAC EQUIPMENT, WOOD RAILS, CURBS, PADS, LINES, ETC.
- REMOVE & REPLACE ROOF DRAINS, SUMPS & LEADERS
- REMOVE ABANDONED PLUMBING LINES, PATCH HOLES
- REMOVE EPDM ROOF SYSTEM DOWN TO DECK, INSPECT FOR DETERIORATION & REPORT TO ARCHITECT, INSTALL NEW EPDM ROOF SYSTEM WITH POLYISO INSULATION (R-30 MIN.)

P16 HVAC ON NORTH ROOF
NO SCALE



- REPLACE COPPER FLASHING ON ROOF CRICKET
- REMOVE HVAC EQUIPMENT, WOOD RAILS, CURBS, PADS, LINES, ETC.
- REMOVE & REPLACE ROOF DRAINS, SUMPS & LEADERS
- REMOVE GUTTER COVER
- LIFT & RELAY CLAY TILE ROOF, REPAIR DECKING & INSTALL UNDERLAYMENT PER PLANS
- REMOVE EPDM ROOF SYSTEM DOWN TO DECK, INSPECT FOR DETERIORATION & REPORT TO ARCHITECT, INSTALL NEW EPDM ROOF SYSTEM WITH POLYISO INSULATION (R-30 MIN.)

P20 HVAC @ NW CORNER
NO SCALE



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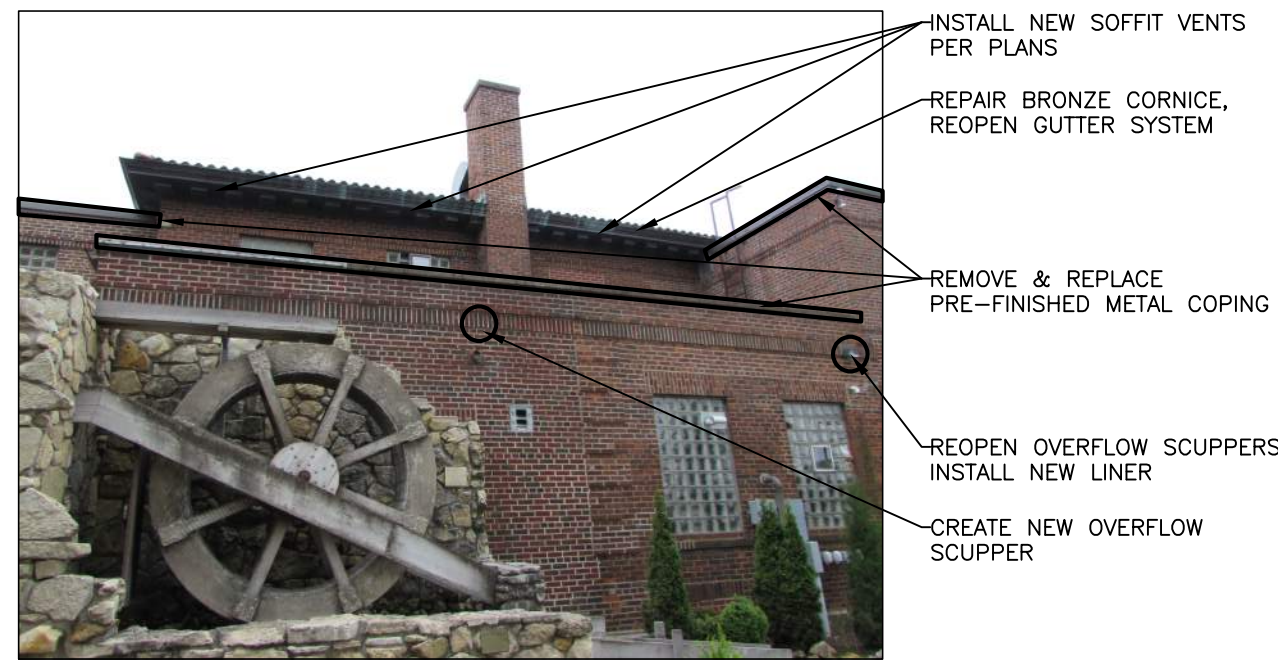
SHEET TITLE: EXTERIOR PHOTO DETAILS

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SHEET NO.:

A097



P1 NORTH FACADE
NO SCALE

- INSTALL NEW SOFFIT VENTS PER PLANS
- REPAIR BRONZE CORNICE, REOPEN GUTTER SYSTEM
- REMOVE & REPLACE PRE-FINISHED METAL COPING
- REOPEN OVERFLOW SCUPPERS, INSTALL NEW LINER
- CREATE NEW OVERFLOW SCUPPER



P5 HVAC @ NORTH ROOF
NO SCALE

- NEW METAL COPING OVER EXISTING CONCRETE COPING
- REMOVE HVAC EQUIPMENT, WOOD RAILS, CURBS, PADS, LINES, ETC.
- INSTALL NEW TERMINATION BAR INTO REGLET, SEAL EDGE
- REMOVE EPDM ROOF SYSTEM DOWN TO DECK, INSPECT FOR DETERIORATION & REPORT TO ARCHITECT, INSTALL NEW EPDM ROOF SYSTEM WITH POLYISO INSULATION (R-30 MIN.)
- THIS SECTION OF ROOF WILL BE RESTRUCTURED, SEE PLANS



P9 DUCTWORK IN ATTIC
NO SCALE

- ADD 2x4 FURRING STRIPS PERPENDICULAR TO EXISTING RAFTERS @ 16" O.C.
- INSTALL (2) LAYERS OF POLYISO INSULATION (R-30 MIN.) WITH STAGGERED JOINTS, COVER WITH 5/8" GYPSUM BOARD, LEVEL 1 FINISH
- STOP INSULATION @ FACE OF BRICK WALL, APPLY SEALANT AT JOINT BETWEEN BRICK & GYPSUM BOARD
- REMOVE ALL ABANDONED HVAC EQUIPMENT, DUCTWORK, PIPING & ELECTRICAL



P13 PARAPET @ NE ADDITION
NO SCALE

- NEW METAL COPING OVER EXISTING CONCRETE COPING, SLOPE TO DRAIN ONTO ROOF
- REMOVE ALUMINUM GUTTER



P14 LOWER NORTH ROOF
NO SCALE

- NEW METAL COPING OVER EXISTING CONCRETE COPING
- COVER BOXED OUT AREA WITH 2" RIGID INSULATION ON SIDES & TOP, COVER WITH NEW EPDM MEMBRANE
- REMOVE EPDM ROOF SYSTEM DOWN TO DECK, INSPECT FOR DETERIORATION & REPORT TO ARCHITECT, INSTALL NEW EPDM ROOF SYSTEM WITH POLYISO INSULATION (R-30 MIN.)
- THIS SECTION OF ROOF WILL BE RESTRUCTURED, SEE PLANS
- INSTALL NEW TERMINATION BAR INTO REGLET, SEAL EDGE
- REMOVE HVAC EQUIPMENT, WOOD RAILS, CURBS, PADS, LINES, ETC.



P2 PARAPET @ NE CORNER
NO SCALE

- REPAIR BRONZE CORNICE, REOPEN GUTTER SYSTEM
- REMOVE & REPLACE PRE-FINISHED METAL COPING
- REOPEN OVERFLOW SCUPPERS, INSTALL NEW LINER



P6 FLAT ROOF @ NE ADDITION
NO SCALE

- NEW METAL COPING OVER EXISTING CONCRETE COPING
- COVER BOXED OUT AREA WITH 2" RIGID INSULATION ON SIDES & TOP, COVER WITH NEW EPDM MEMBRANE
- REMOVE & REPLACE ROOF DRAINS, SUMPS & LEADERS, VERIFY VEGETATION HAS NOT DAMAGED ADJACENT STRUCTURE
- REMOVE EPDM ROOF SYSTEM DOWN TO DECK, INSPECT FOR DETERIORATION & REPORT TO ARCHITECT, INSTALL NEW EPDM ROOF SYSTEM WITH POLYISO INSULATION (R-30 MIN.)



P10 PLUMBING @ ATTIC
NO SCALE

- ADD 2x4 FURRING STRIPS PERPENDICULAR TO EXISTING RAFTERS @ 16" O.C.
- INSTALL (2) LAYERS OF POLYISO INSULATION (R-30 MIN.) WITH STAGGERED JOINTS, COVER WITH 5/8" GYPSUM BOARD, LEVEL 1 FINISH
- STOP INSULATION @ FACE OF BRICK WALL, APPLY SEALANT AT JOINT BETWEEN BRICK & GYPSUM BOARD
- REPLACE CAST IRON WITH NEW PVC VENT STACK
- CAP OLD DOWNSPOUT LINES, INSTALL NEW PVC DOWNSPOUT LINES



P15 ATTIC ACCESS
NO SCALE

- ADD 2x4 FURRING STRIPS PERPENDICULAR TO EXISTING RAFTERS @ 16" O.C.
- INSTALL (2) LAYERS OF POLYISO INSULATION (R-30 MIN.) WITH STAGGERED JOINTS, COVER WITH 5/8" GYPSUM BOARD, LEVEL 1 FINISH
- STOP INSULATION @ FACE OF BRICK WALL, APPLY SEALANT AT JOINT BETWEEN BRICK & GYPSUM BOARD
- REMOVE ALL ABANDONED HVAC EQUIPMENT, DUCTWORK, PIPING & ELECTRICAL
- PULL-DOWN ATTIC STAIR TO REMAIN



P3 TYP. SCUPPER
NO SCALE

- NEW METAL COPING OVER EXISTING CONCRETE COPING
- REOPEN OVERFLOW SCUPPERS, INSTALL NEW LINER



P7 TYP. ATTIC FRAMING
NO SCALE

- ADD 2x4 FURRING STRIPS PERPENDICULAR TO EXISTING RAFTERS @ 16" O.C.
- INSTALL (2) LAYERS OF POLYISO INSULATION (R-30 MIN.) WITH STAGGERED JOINTS, COVER WITH 5/8" GYPSUM BOARD, LEVEL 1 FINISH
- INSULATE RAFTERS UP TO COLLAR TIES, THEN INSTALL INSULATION TO UNDERSIDE OF COLLAR TIES



P11 ATTIC FRAMING @ NE CORNER
NO SCALE

- ADD 2x4 FURRING STRIPS PERPENDICULAR TO EXISTING RAFTERS @ 16" O.C.
- INSTALL (2) LAYERS OF POLYISO INSULATION (R-30 MIN.) WITH STAGGERED JOINTS, COVER WITH 5/8" GYPSUM BOARD, LEVEL 1 FINISH
- STOP INSULATION @ FACE OF BRICK WALL, APPLY SEALANT AT JOINT BETWEEN BRICK & GYPSUM BOARD
- MID-SPAN BRACING TO REMAIN



P4 NORTH FLAT ROOF
NO SCALE

- NEW METAL COPING OVER EXISTING CONCRETE COPING
- REOPEN OVERFLOW SCUPPERS, INSTALL NEW LINER
- REMOVE HVAC EQUIPMENT, WOOD RAILS, CURBS, PADS, LINES, ETC.
- REMOVE & REPLACE ROOF DRAINS, SUMPS & LEADERS, VERIFY VEGETATION HAS NOT DAMAGED ADJACENT STRUCTURE
- REMOVE EPDM ROOF SYSTEM DOWN TO DECK, INSPECT FOR DETERIORATION & REPORT TO ARCHITECT, INSTALL NEW EPDM ROOF SYSTEM WITH POLYISO INSULATION (R-30 MIN.)
- THIS SECTION OF ROOF WILL BE RESTRUCTURED, SEE PLANS



P8 TYP. RAFTER BEARING
NO SCALE

- ADD 2x4 FURRING STRIPS PERPENDICULAR TO EXISTING RAFTERS @ 16" O.C.
- INSTALL (2) LAYERS OF POLYISO INSULATION (R-30 MIN.) WITH STAGGERED JOINTS, COVER WITH 5/8" GYPSUM BOARD, LEVEL 1 FINISH
- STOP INSULATION @ FACE OF BRICK WALL, APPLY SEALANT AT JOINT BETWEEN BRICK & GYPSUM BOARD



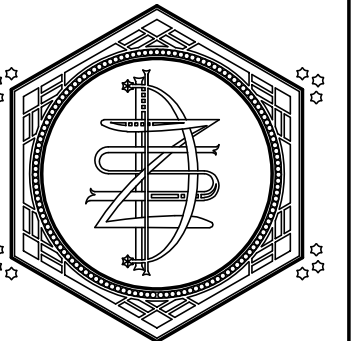
P12 TYP. RIDGE FRAMING
NO SCALE

- REMOVE PLANK ROOF SHEATHING AS NEEDED FOR NEW RIDGE VENT
- REMOVE ROOF VENTILATORS, PATCH HOLES
- INSTALL (1) 2" LAYER OF POLYISO INSULATION (R-11.4 MIN.) TO UNDERSIDE OF COLLAR TIES, COVER WITH 5/8" GYPSUM BOARD, LEVEL 1 FINISH, INSTALL R-38 BATT INSULATION BETWEEN COLLAR TIES, DO NOT OBSTRUCT AIR FLOW IN RAFTER CAVITIES



P16 TYP. ATTIC FRAMING
NO SCALE

- REMOVE ROOF VENTILATORS, PATCH HOLES
- REMOVE PLANK ROOF SHEATHING AS NEEDED FOR NEW RIDGE VENT, INSTALL METAL SCREEN ON UNDERSIDE OF SHEATHING
- INSTALL (1) 2" LAYER OF POLYISO INSULATION (R-11.4 MIN.) TO UNDERSIDE OF COLLAR TIES, COVER WITH 5/8" GYPSUM BOARD, LEVEL 1 FINISH, INSTALL R-38 BATT INSULATION BETWEEN COLLAR TIES, DO NOT OBSTRUCT AIR FLOW IN RAFTER CAVITIES
- 2x4 FURRING STARTS AT THE RAFTERS BELOW THE COLLAR TIES



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HISTORIC U.S. FISH CONTROL LAB BUILDING REHABILITATION - PHASE II
410 E. Veterans Memorial Drive
La Crosse, WI 54601

PROJECT NUMBER:
19009B

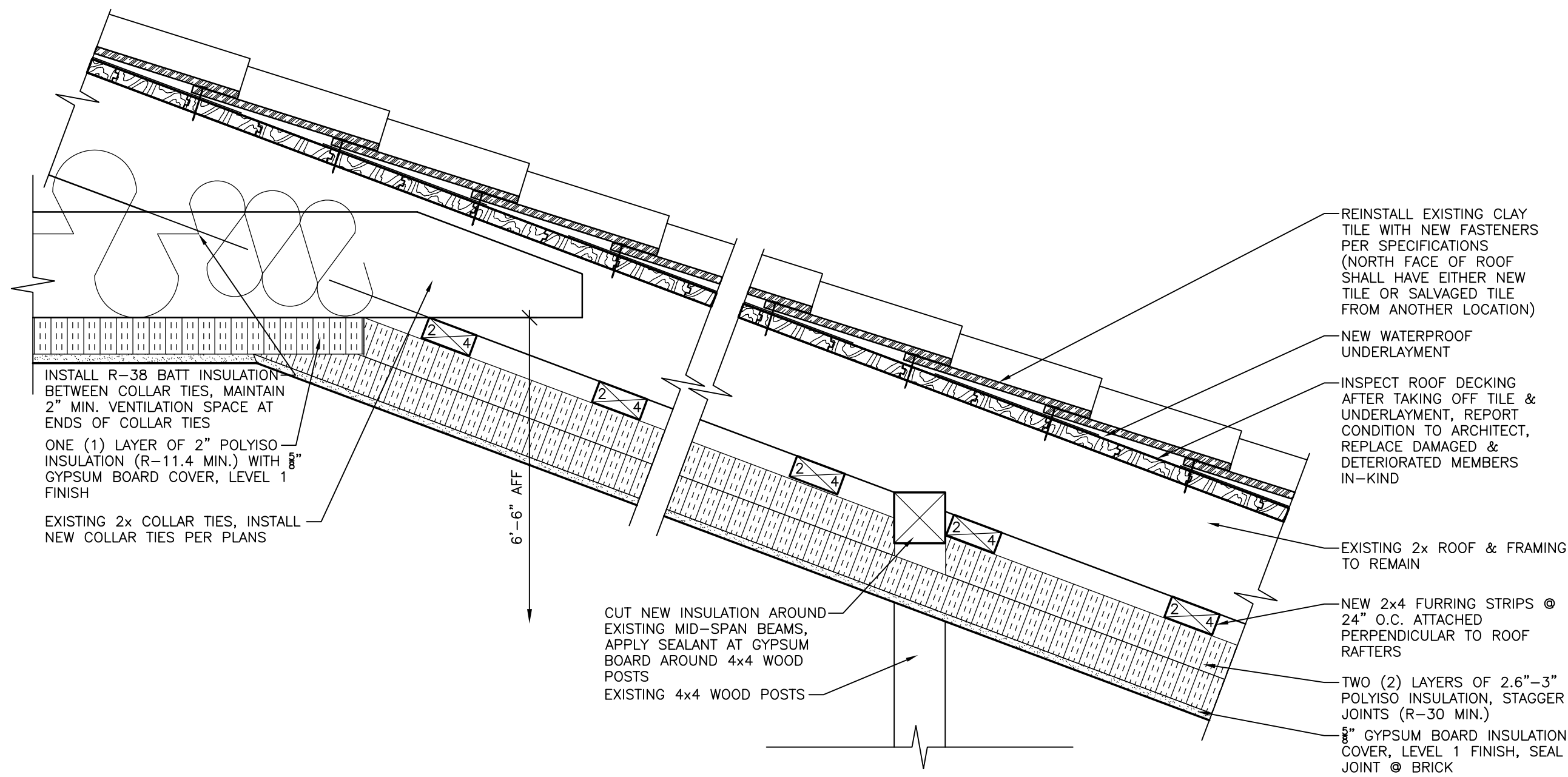
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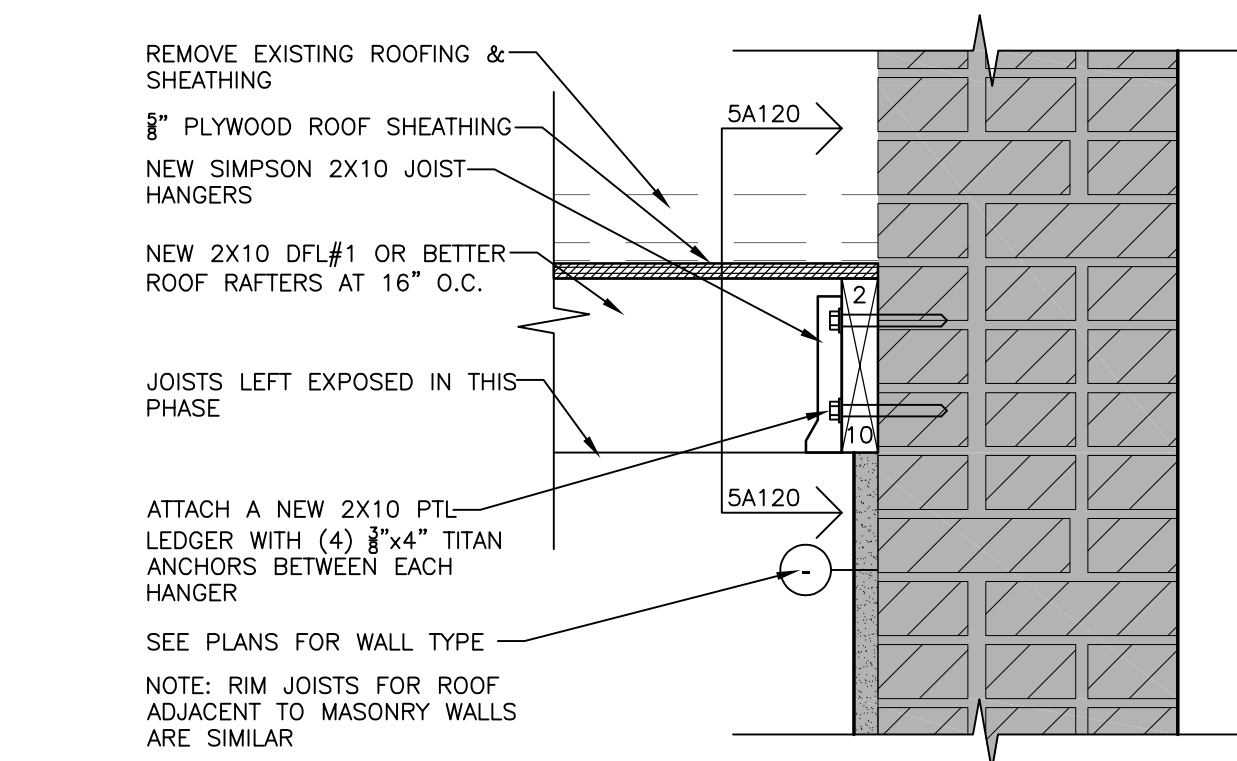
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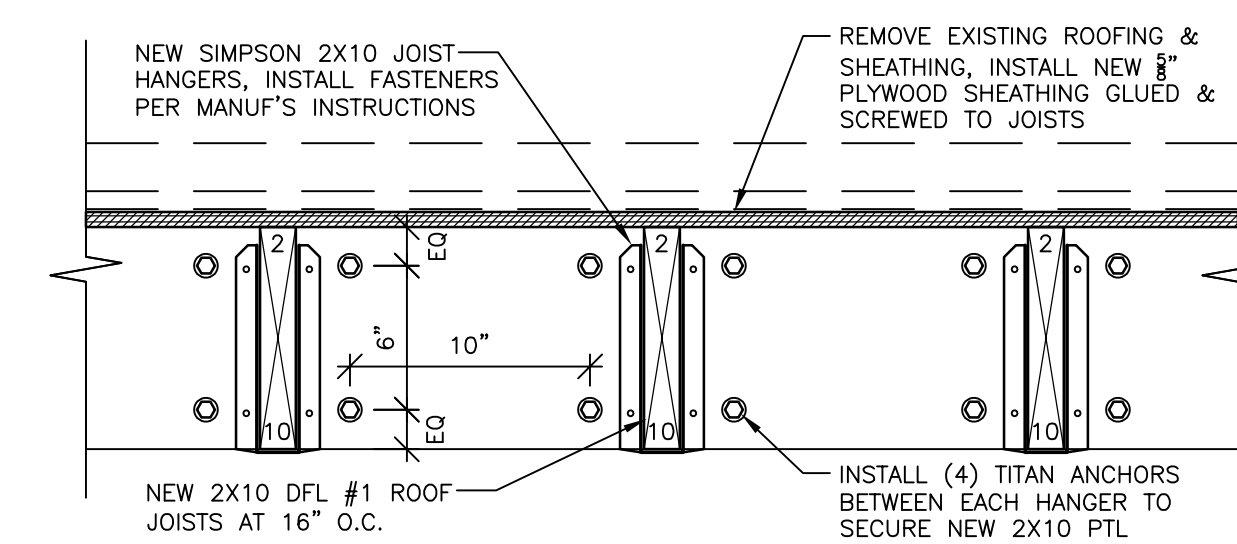
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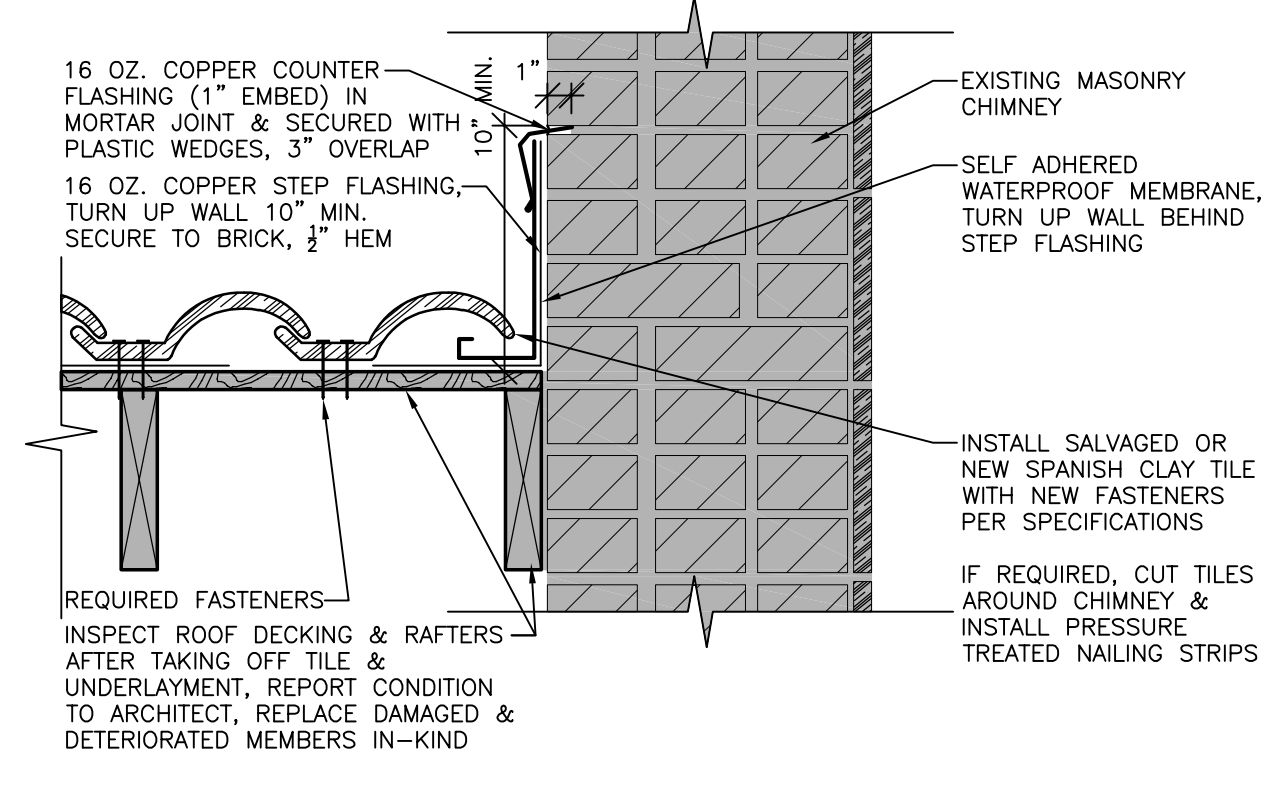
3 ATTIC INSULATION DETAIL
1 1/2" = 1'-0"



4 RIM JOIST CONNECTION DETAIL
1 1/2" = 1'-0"



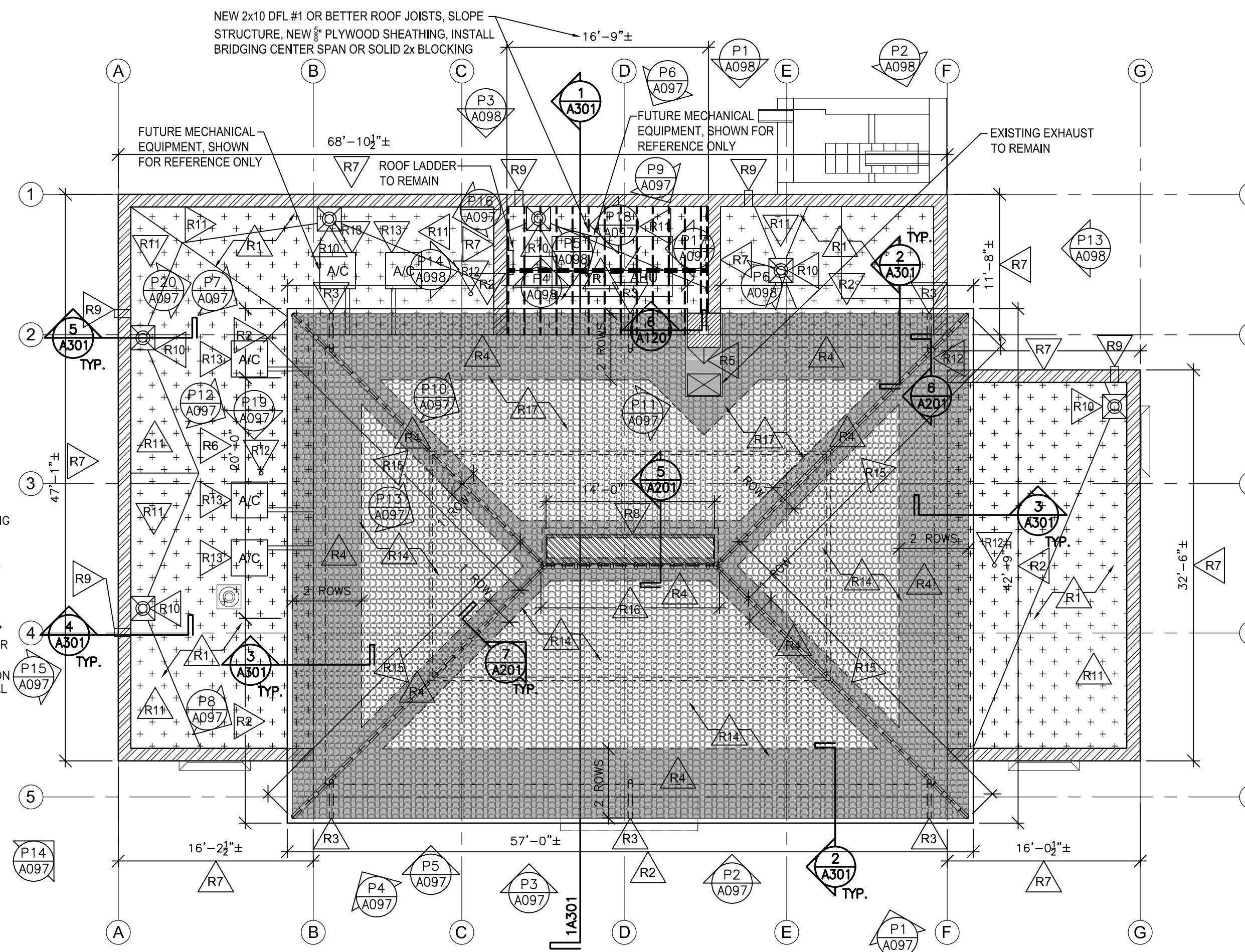
5 RIM JOIST ELEVATION DETAIL
1 1/2" = 1'-0"



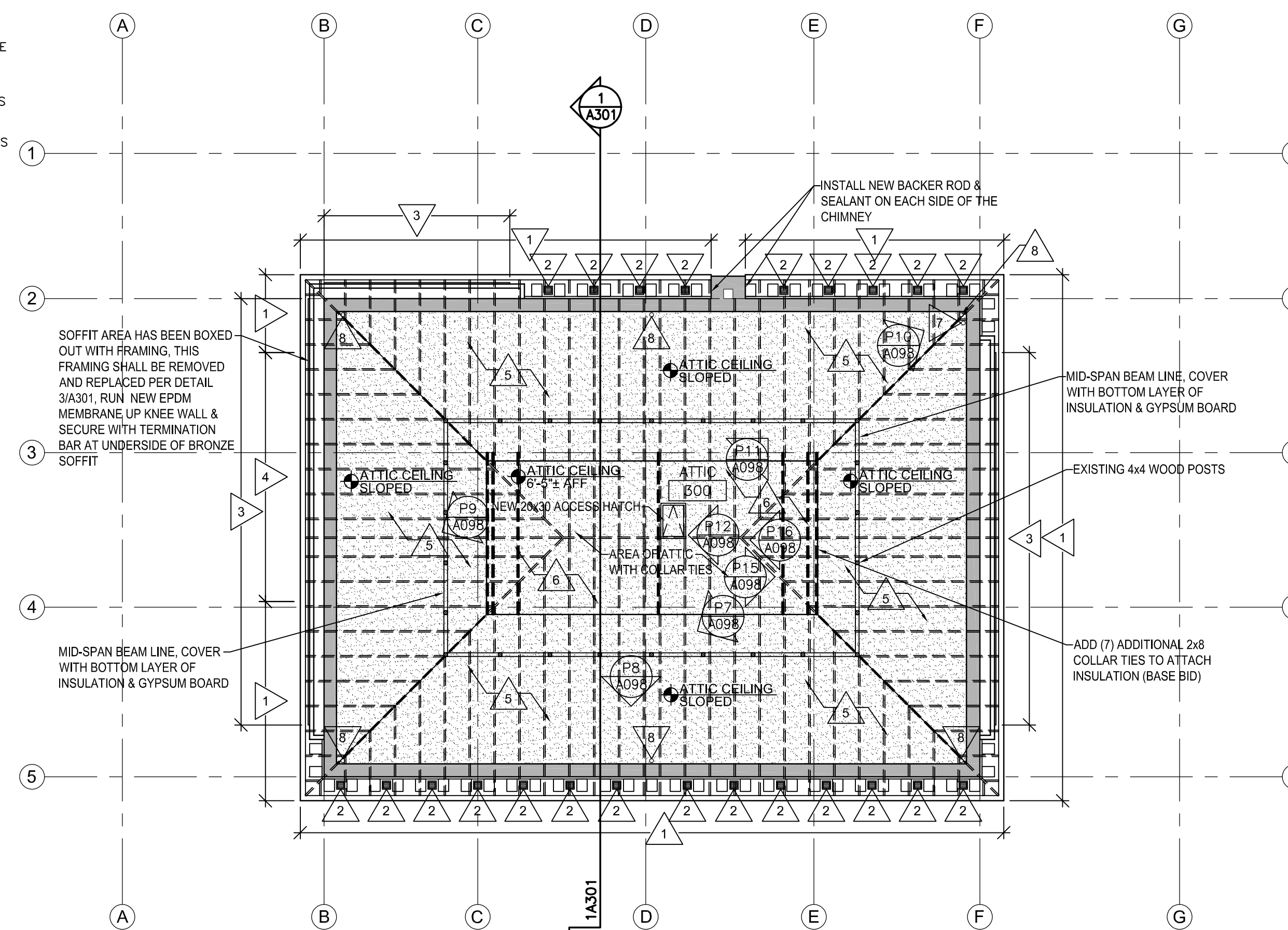
6 CHIMNEY FLASHING DETAIL
1 1/2" = 1'-0"

REF. CEILING PLAN KEY NOTES:

- RESTORE BRONZE CORNICE, REATTACH LOOSE PIECES, APPLY SEALANT TO SEAMS, REPLACE DAMAGED PIECES IN-KIND.
- CUT IN NEW SOFFIT VENT, SEAL PERIMETER
- NEW CONTINUOUS STRIP VENT CUT INTO UNDERSIDE OF BRONZE CORNICE
- REPLACE SECTION OF BRONZE CORNICE IN-KIND, NO DENTILS IN THIS AREA.
- APPLY 2x4 FURRING STRIPS @ 16" O.C. PERPENDICULAR TO WOOD RAFTERS, INSTALL (2) LAYERS OF POLYISO INSULATION OVER FURRING STRIPS (R-30 MIN.) STAGGER JOINTS, FINISH WITH 1/2" GYPSUM BOARD WITH A LEVEL 1 FINISH. (SLOPED CEILING)
- INSTALL (1) 2" LAYER OF POLYISO INSULATION DIRECTLY TO BOTTOM OF COLLAR TIES (R-11.4) WITH R-38 BATT INSULATION BETWEEN RAFTERS, FINISH WITH 1/2" GYPSUM BOARD WITH A LEVEL 1 FINISH. (FLAT CEILING)
- NEW 4" PVC PLUMBING VENT, SEE PLUMBING DRAWINGS.
- NEW 3" PVC INTERIOR DOWNSPOUTS, CONNECT TO BRONZE GUTTERS THROUGH CORNICE, SEE DETAILS & PLUMBING.



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



2 REFLECTED CEILING & SOFFIT PLAN
1/8" = 1'-0"

ROOF PLAN GENERAL NOTES:

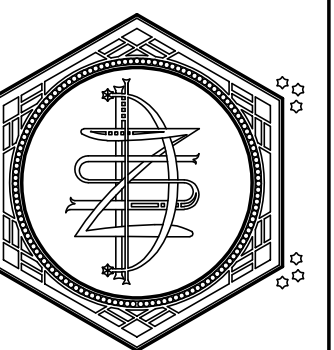
- VERIFY CONDITION OF ROOF DECK, STRUCTURE, FLASHING, ETC. REPORT CONDITION TO ARCHITECT & OWNER PRIOR TO PROCEEDING WITH REROOFING.
- GENERAL CONTRACTOR TO PROVIDE EQUIPMENT PADS & CURBS AS REQUIRED FOR M/E/P WORK. VERIFY SIZES W/ SUBCONTRACTORS.
- VERIFY SIZE & LOCATION OF ALL M/E/P OPENINGS. SEAL ALL PENETRATIONS & LOUVER PERIMETERS.
- SEE THIS SHEET FOR RAFTER/JOIST REINFORCEMENT SCHEDULE AND DETAILS.
- INSTALL 43# SYNTHETIC UNDERLAYMENT ON ALL AREAS OF TILE ROOF AREA NOT RECEIVING ICE & WATER SHIELD.
- ALL SALVAGED CLAY TILE SHALL BE CULLED. SALVAGED TILE (NOTE #4 ON REMOVAL PLAN) FROM THE NORTH SIDE OF THE ROOF SHALL BE INCORPORATED INTO THE TILE TO BE REINSTALLED ON THE SOUTH, WEST, & EAST FACES OF THE ROOF.

PLAN MATERIAL LEGEND:

- REINSTALLED SALVAGED CLAY TILE
- AREAS OF NEW ICE & WATER SHIELD UNDER CLAY TILE
- NEW COPPER RIDGE VENT, SEE DETAILS
- NEW PRE-FINISHED METAL COPING WITH DRIP EDGE
- NEW EPDM ROOF SYSTEM, 2 LAYERS OF POLYISO INSULATION, R-30 MINIMUM
- NEW 1/2" TYPE-X GYPSUM BOARD, LEVEL 1 FINISH

ROOF PLAN KEY NOTES:

- NEW EPDM ROOF SYSTEM ON EXISTING ROOF STRUCTURE. (2) LAYERS POLYISO INSULATION (R-30 MIN) STAGGER JOINTS
- NEW BRONZE GUTTER LINER & W/ HEAT TRACE
- NEW PVC DOWNSPOUTS, RUN THROUGH CORNICE & BRICK EXTERIOR WALL. SEE PLUMBING FOR DOWNSPOUT ROUTING
- NEW SELF-ADHERED WATERPROOF UNDERLAYMENT
- APPLY NEW BRONZE STEP FLASHING TO CHIMNEY & SHEET BRONZE TO EXISTING ROOF CRICKET
- AREA OF NEW BRONZE CORNICE & GUTTER SYSTEM TO MATCH EXISTING
- NEW PRE-FINISHED METAL ROOF COPING WITH CONTINUOUS CLEAT & DRIP
- NEW COPPER RIDGE VENT, CUT OUT EXISTING DECKING AS REQUIRED
- NEW PRE-FINISHED SCUPPER LINER WITH DRIP
- NEW ROOF DRAIN WITH 2'x2' METAL SUMP PAN, SEE PLUMBING FOR LEADER SIZE & DRAINAGE
- AREA WITH NEW TAPERED INSULATION PITCHED TO ROOF DRAIN
- NEW PVC PLUMBING VENT WITH FLASHING/PIPE BOOT
- FUTURE HVAC EQUIPMENT - FOR REFERENCE ONLY, NOT IN THIS PHASE OF THE PROJECT
- REINSTALLED CLAY ROOF TILE INSTALLED OVER NEW UNDERLAYMENT
- REINSTALLED CLAY HIP TILE, SET IN CONTINUOUS BED OF COLORED MORTAR
- NEW #206 CLAY RIDGE TILE, COLOR MATCHED TO EXISTING TILE, SET IN CONTINUOUS BED OF COLORED MORTAR
- INSTALL MATCHING CLAY TILE (NEW OR SALVAGED FROM ANOTHER LOCATION) TO ENTIRE NORTH FACE OF ROOF



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HISTORIC U.S. FISH CONTROL LAB BUILDING REHABILITATION - PHASE II

PROJECT NUMBER:
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DRAWN BY:
M. ZETTLER

DATE:
01/12/2022

SHEET TITLE:
ROOF & REFLECTED CEILING PLANS, DETAILS

PROJECT NUMBER:
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CHECKED BY:
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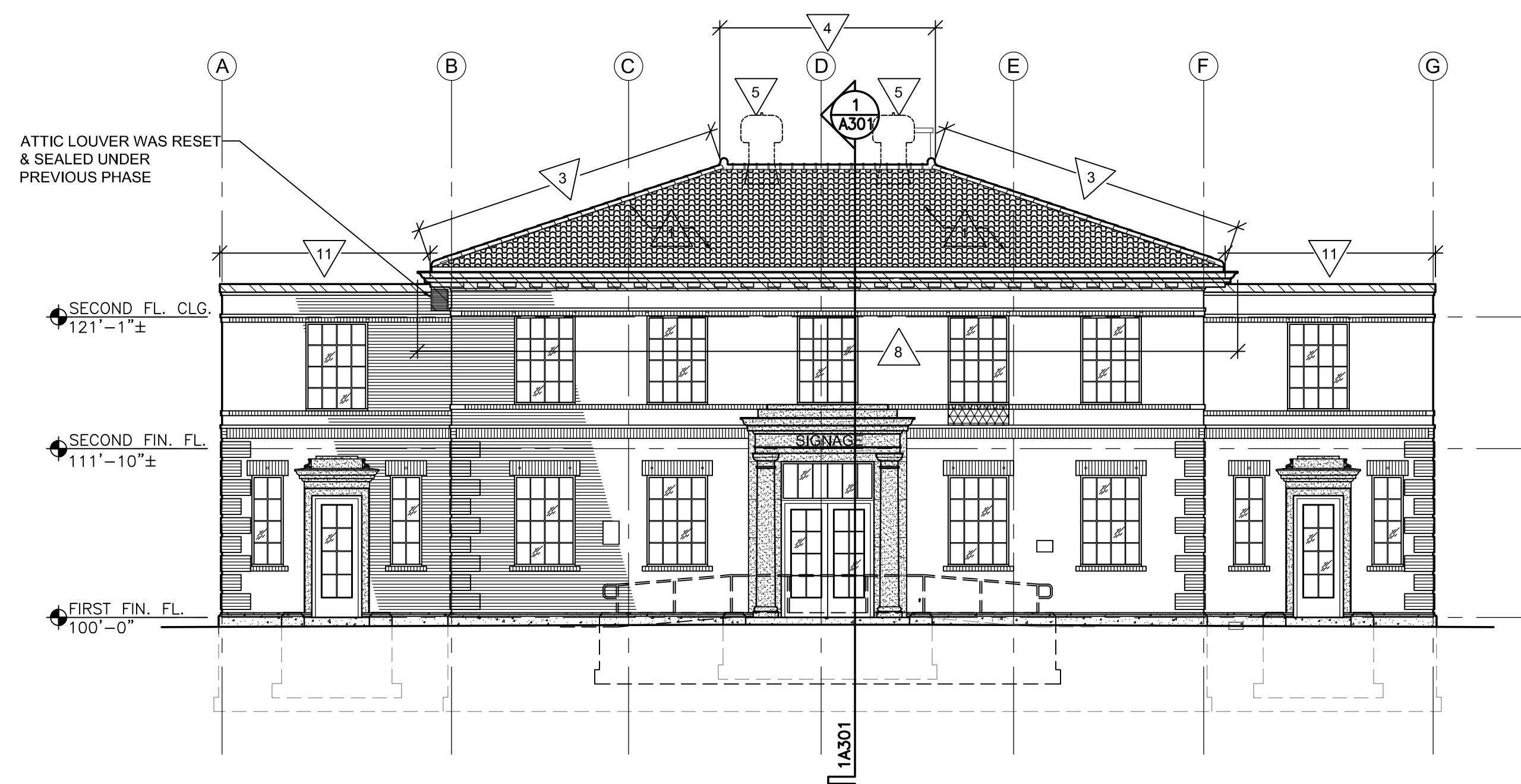
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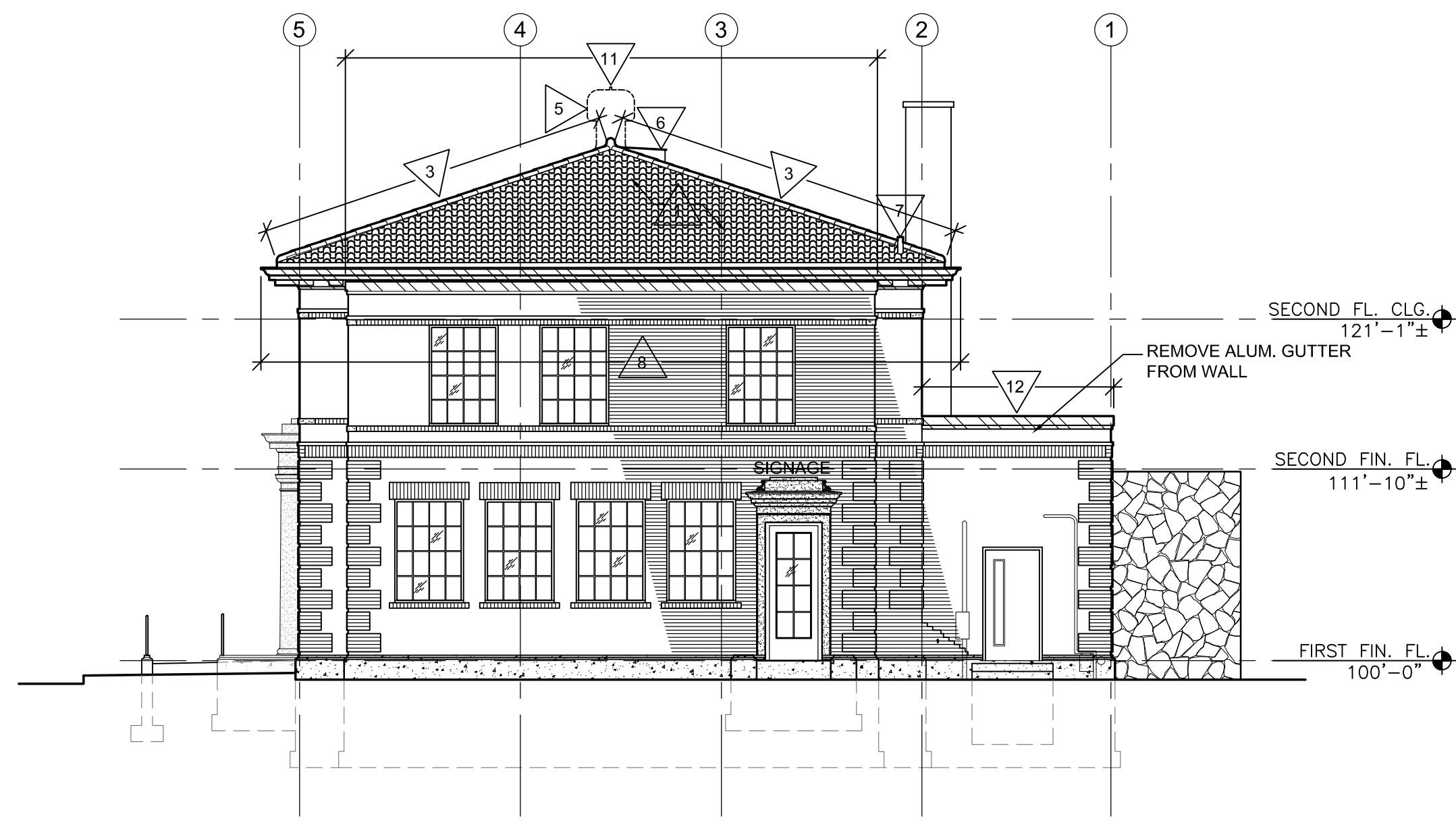
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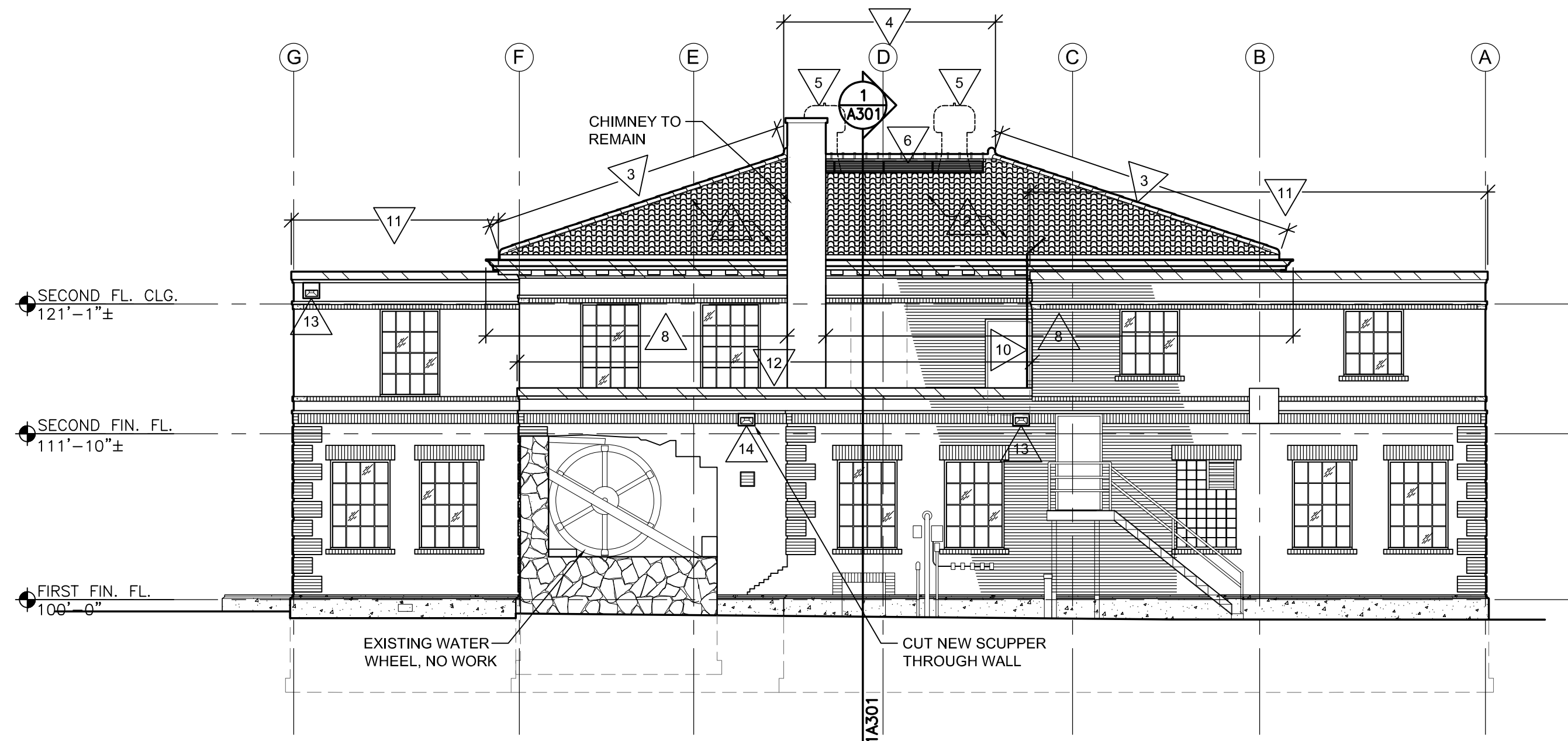
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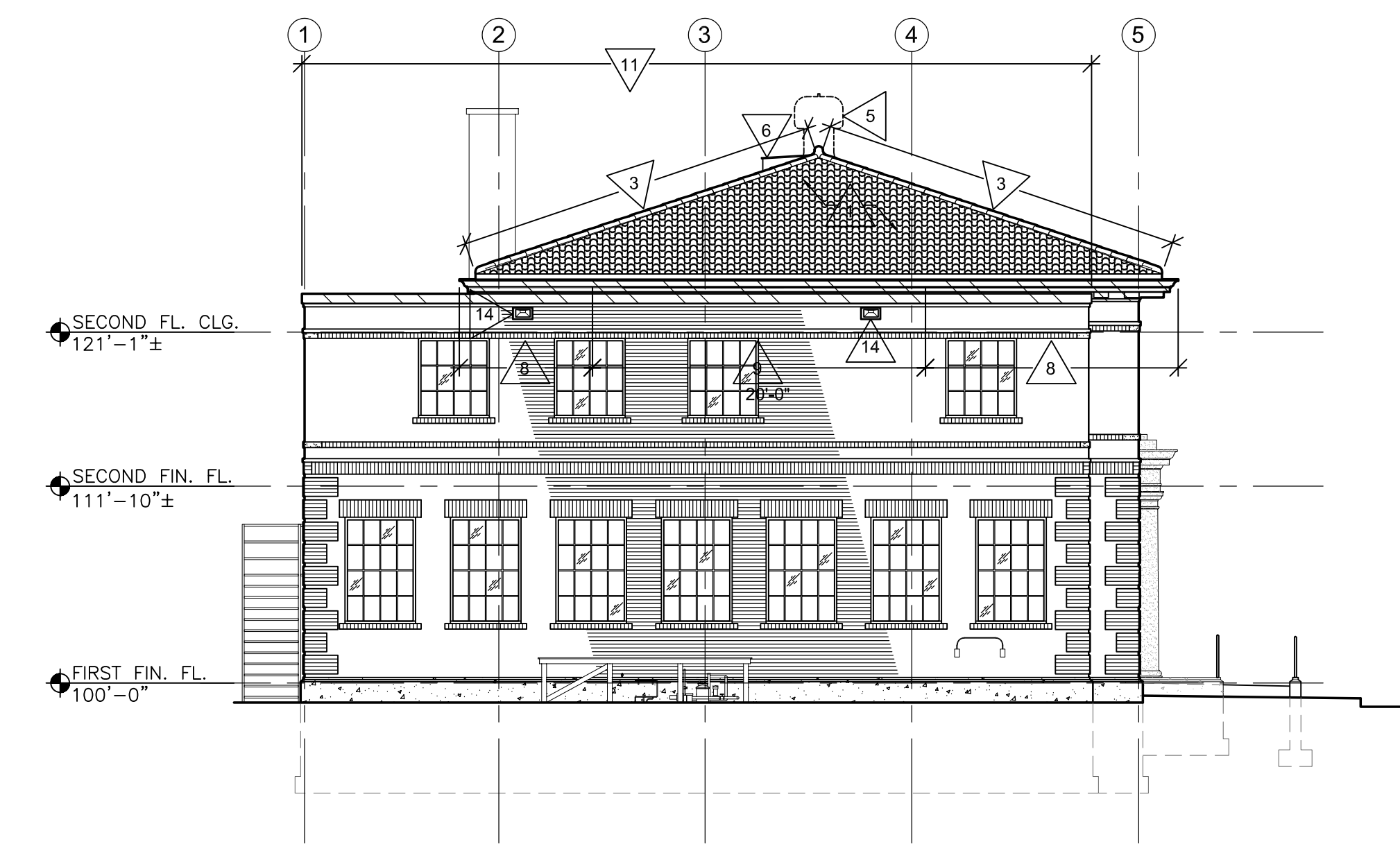
1 SOUTH (FRONT) ELEVATION
1/8" = 1'-0"



3 EAST ELEVATION
1/8" = 1'-0"



2 NORTH ELEVATION
1/8" = 1'-0"



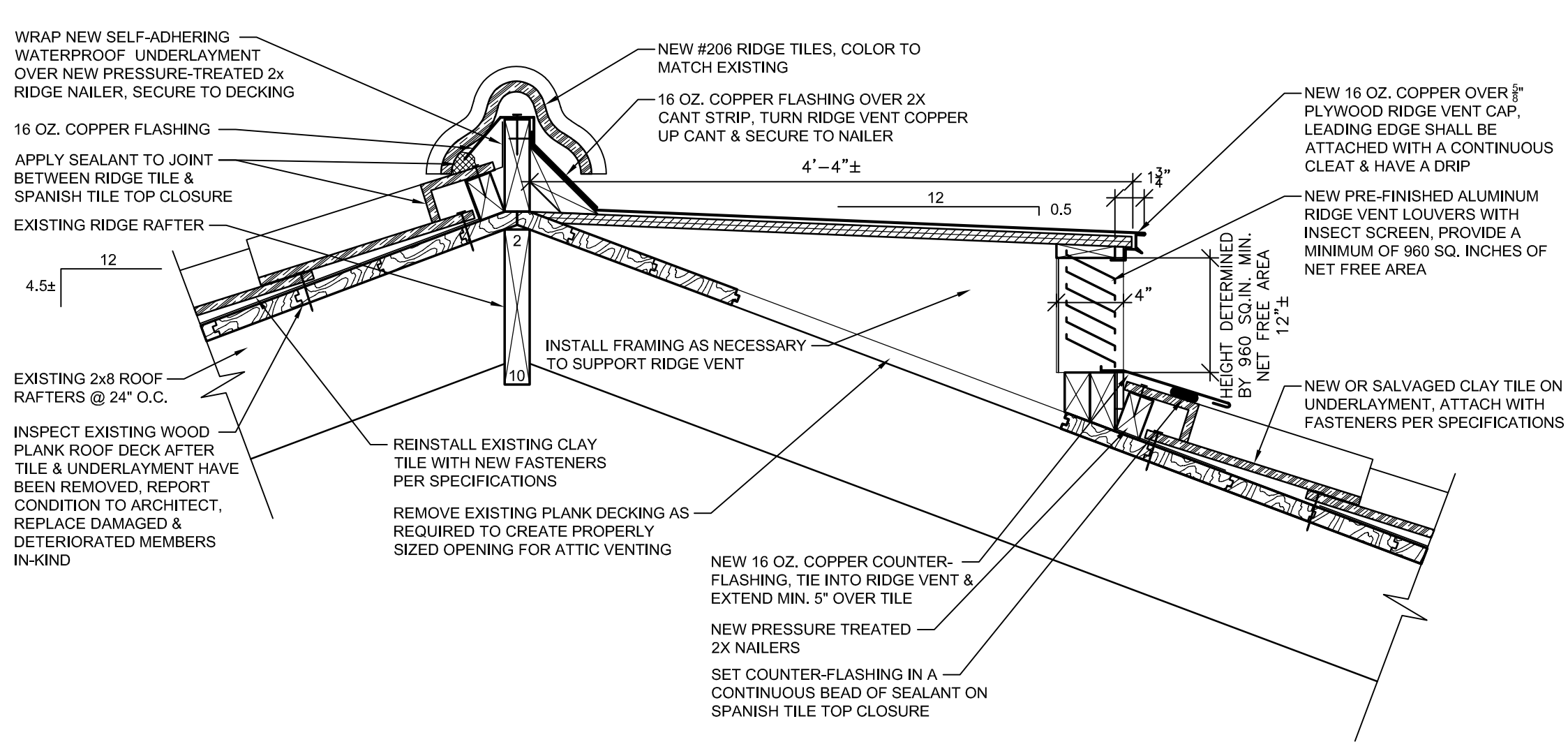
4 WEST ELEVATION
1/8" = 1'-0"

- ELEVATION GENERAL NOTES:**
- VERIFY SIZE AND LOCATIONS OF ALL MECH. & PLUMBING OPENINGS. ROOFING CONTRACTOR TO SEAL LOUVER PERIMETER AND PAINT - TYPICAL.
 - EACH CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS FOR THEIR RESPECTIVE DISCIPLINES PRIOR TO BEGINNING WORK AND SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES BETWEEN ACTUAL AND CALLED DIMENSIONS.
 - EACH CONTRACTOR SHALL PROVIDE CONC EQUIPMENT PADS/CURBS AS REQUIRED FOR MECH/ELECTRICAL EQUIP. VERIFY SIZE/PROFILE/ LOCATION W/ MECH/ELEC. FOR HVAC UNIT. SEE MECH/ELEC. PLANS
 - ALL EXTERIOR WALLS SHALL HAVE A 2 HOUR FIRE RATING

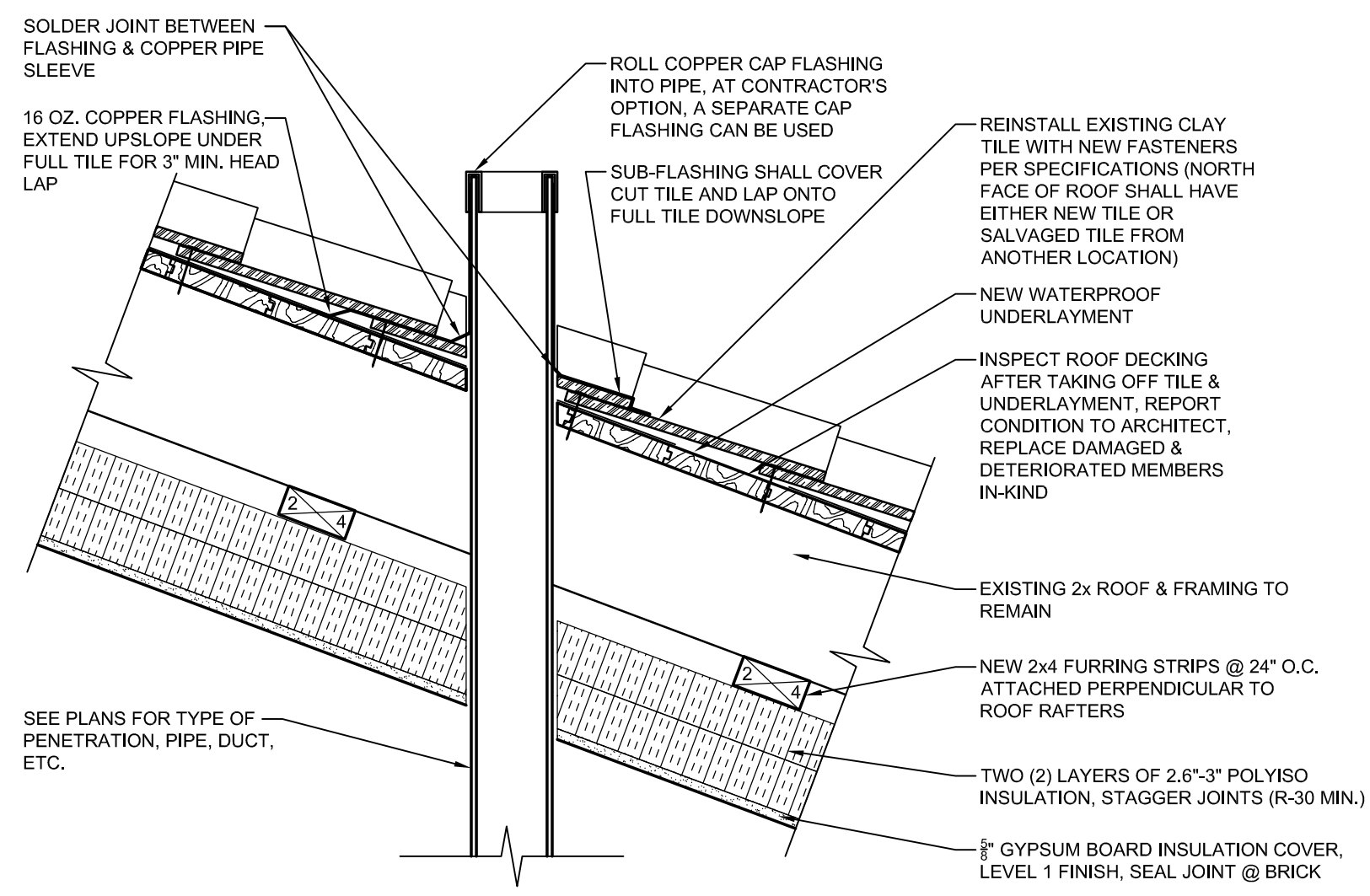
MATERIAL LEGEND:

	BRICK		CLAY TILE ROOF
	STONE		CONCRETE
	GLASS		METAL

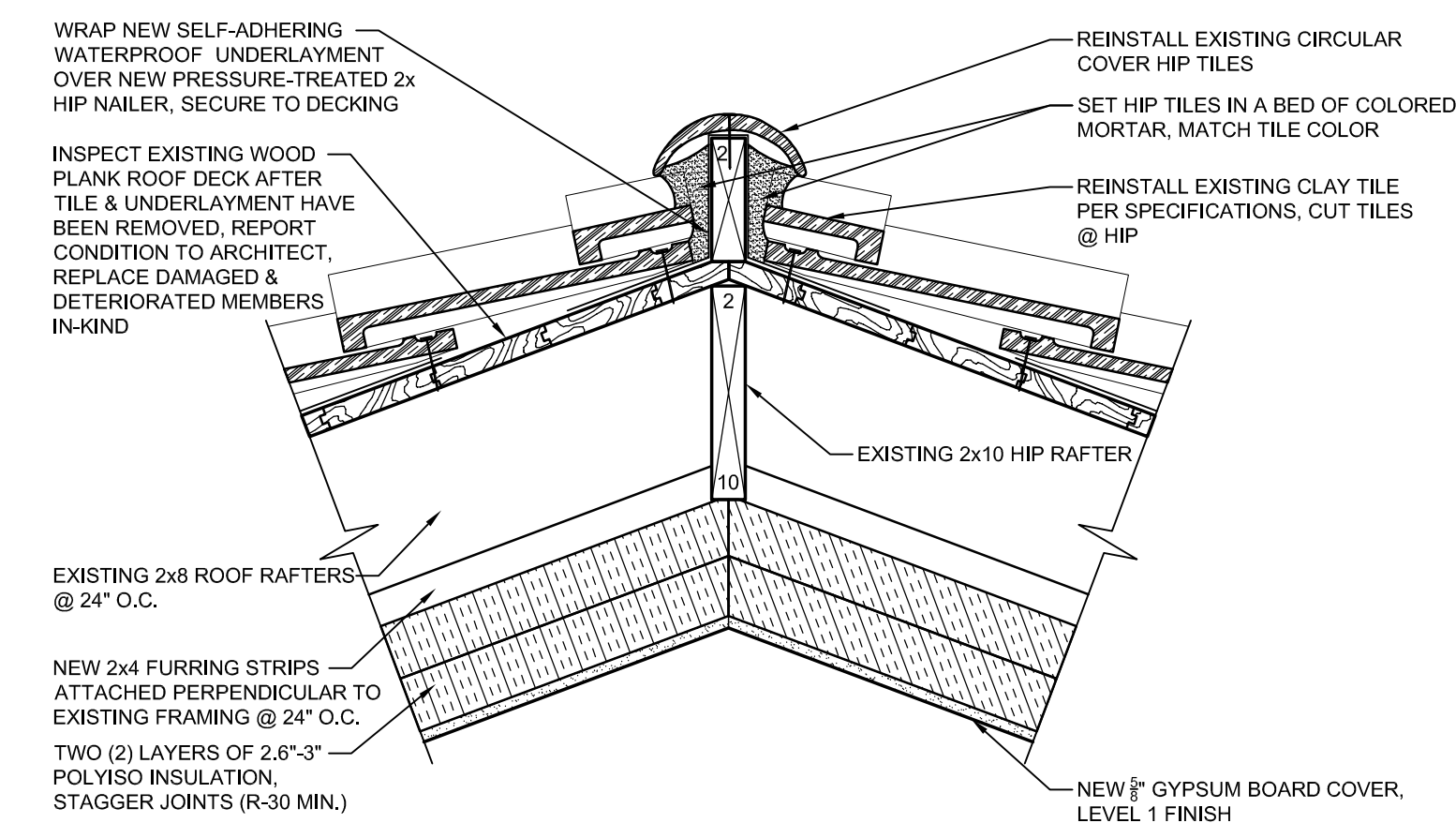
- ELEVATION KEY NOTES:**
- REINSTALL SALVAGED CLAY TILE ON NEW UNDERLAYMENT & FLASHING (CONSOLIDATE ENTIRE ROOF & REINSTALL ON SOUTH, WEST, & EAST SIDES)
 - INSTALL NEW OR SALVAGED TILE (FROM ANOTHER LOCATION) ON NEW UNDERLAYMENT & FLASHING ON NORTH SIDE
 - REINSTALL HIP TILE. SET IN A BED OF COLORED MORTAR (PROVIDE 30 ADDITIONAL MATCHING HIP TILES)
 - NEW RIDGE TILE (COLOR SHALL MATCH EXISTING). SALVAGE & REINSTALL TWO LOW-BALL HIP/RIDGE TERMINAL PIECES
 - REMOVE ATTIC VENTILATORS & PATCH HOLES
 - NEW COPPER RIDGE VENT WITH ALUM. LOUVER
 - NEW PLUMBING VENT
 - REPAIR BRONZE CORNICE & GUTTER. RESET SEAMS, APPLY SEALANT & INSTALL SOFFIT & GUTTER IN-KIND
 - REPLACE SECTION OF BRONZE CORNICE & GUTTER IN-KIND
 - EXISTING STEEL ROOF LADDER TO REMAIN
 - REMOVE & REPLACE PRE-FINISHED METAL ROOF COPING WITH NEW PRE-FINISHED METAL
 - COVER EXISTING CONCRETE COPING WITH NEW PRE-FINISHED METAL COPING TO MATCH OTHER PARAPETS
 - INSTALL NEW PRE-FINISHED METAL LINER & DRIP INTO EXISTING SCUPPER OPENING
 - REOPEN CLOSED SCUPPERS. INSTALL NEW PRE-FINISHED METAL LINER & DRIP



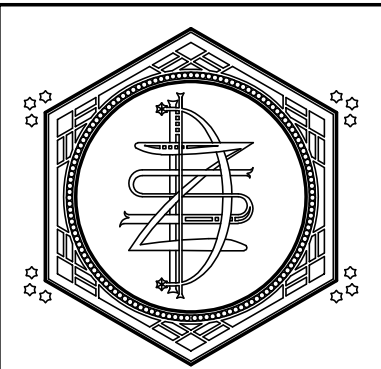
5 TYP. RIDGE DETAIL
1 1/2" = 1'-0"



6 TYP. PENETRATION DETAIL
1 1/2" = 1'-0"



7 TYP. HIP DETAIL
1 1/2" = 1'-0"



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PROJECT:
A PROJECT FOR THE CITY OF LA CROSSE
HISTORIC U.S. FISH CONTROL LAB BUILDING REHABILITATION - PHASE II
410 E. Veterans Memorial Drive
La Crosse, WI 54601

SHEET TITLE:
BUILDING ELEVATIONS & DETAILS

PROJECT NUMBER:
19009B

CHECKED BY:
M. ZETTLER

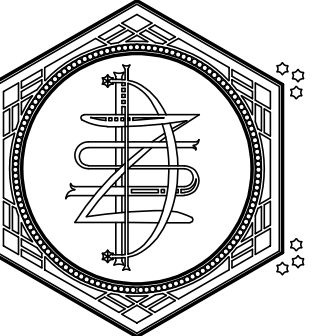
DRAWN BY:
M. ZETTLER

DATE:
01/12/2022

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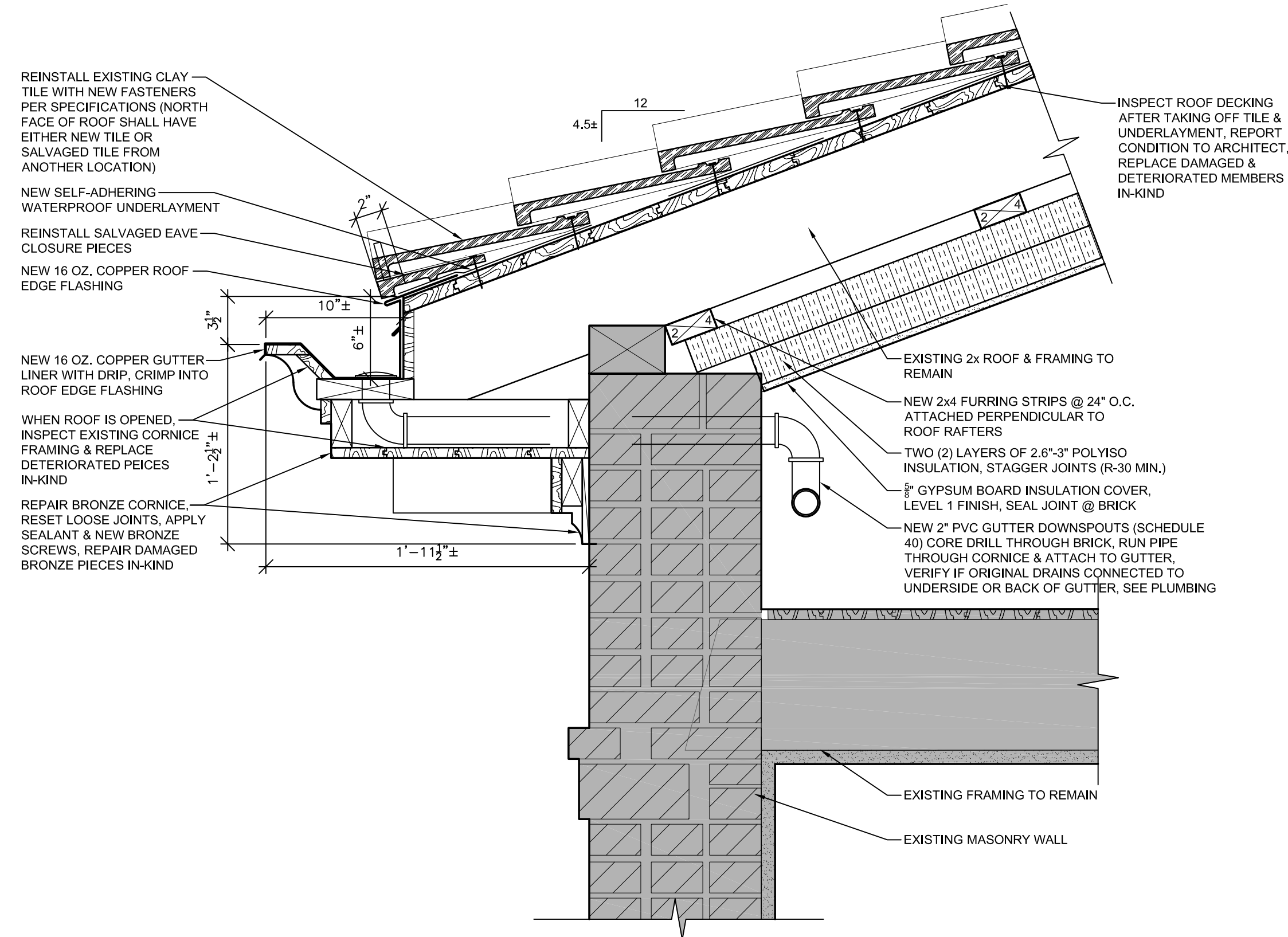
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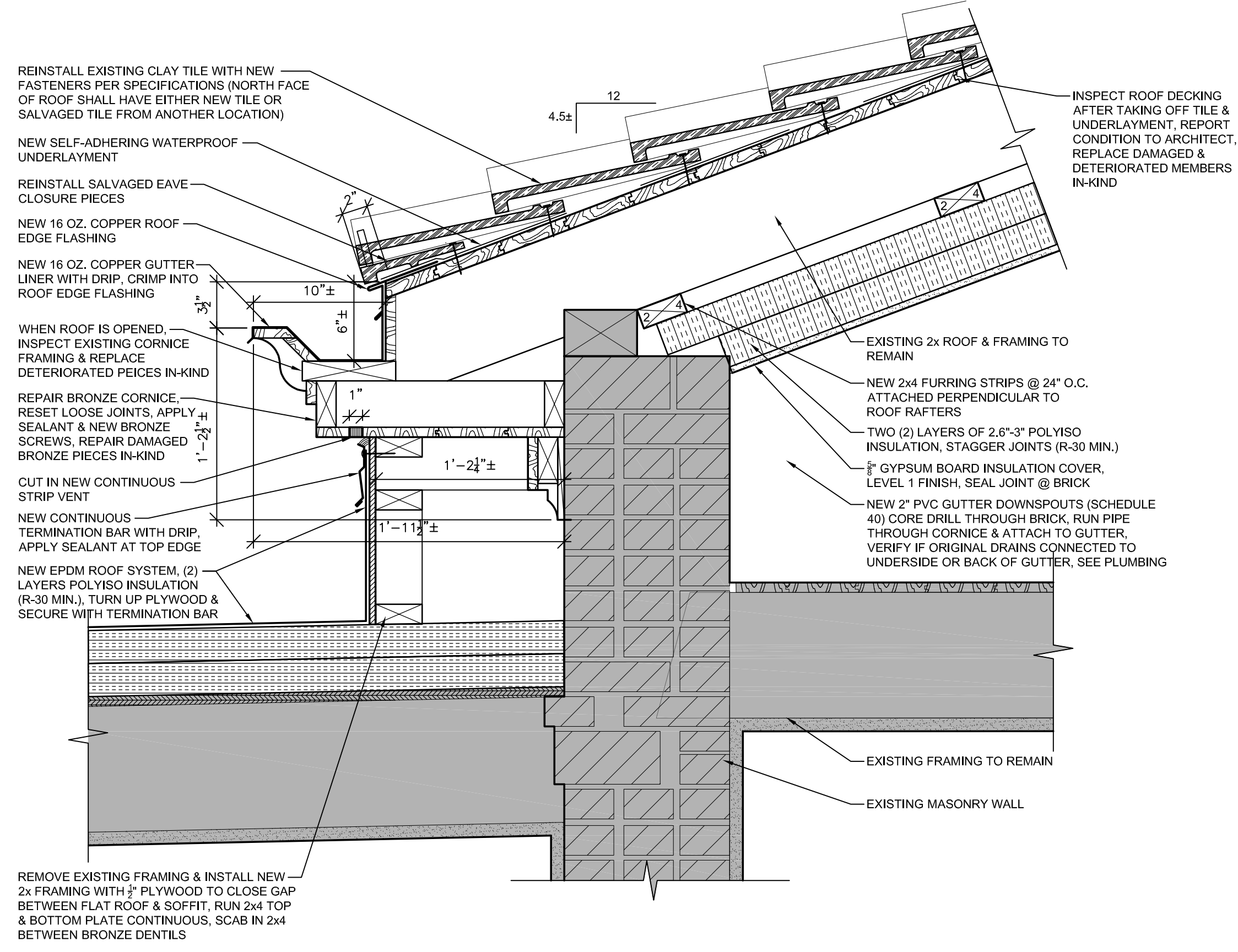
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SECTION GENERAL NOTES:

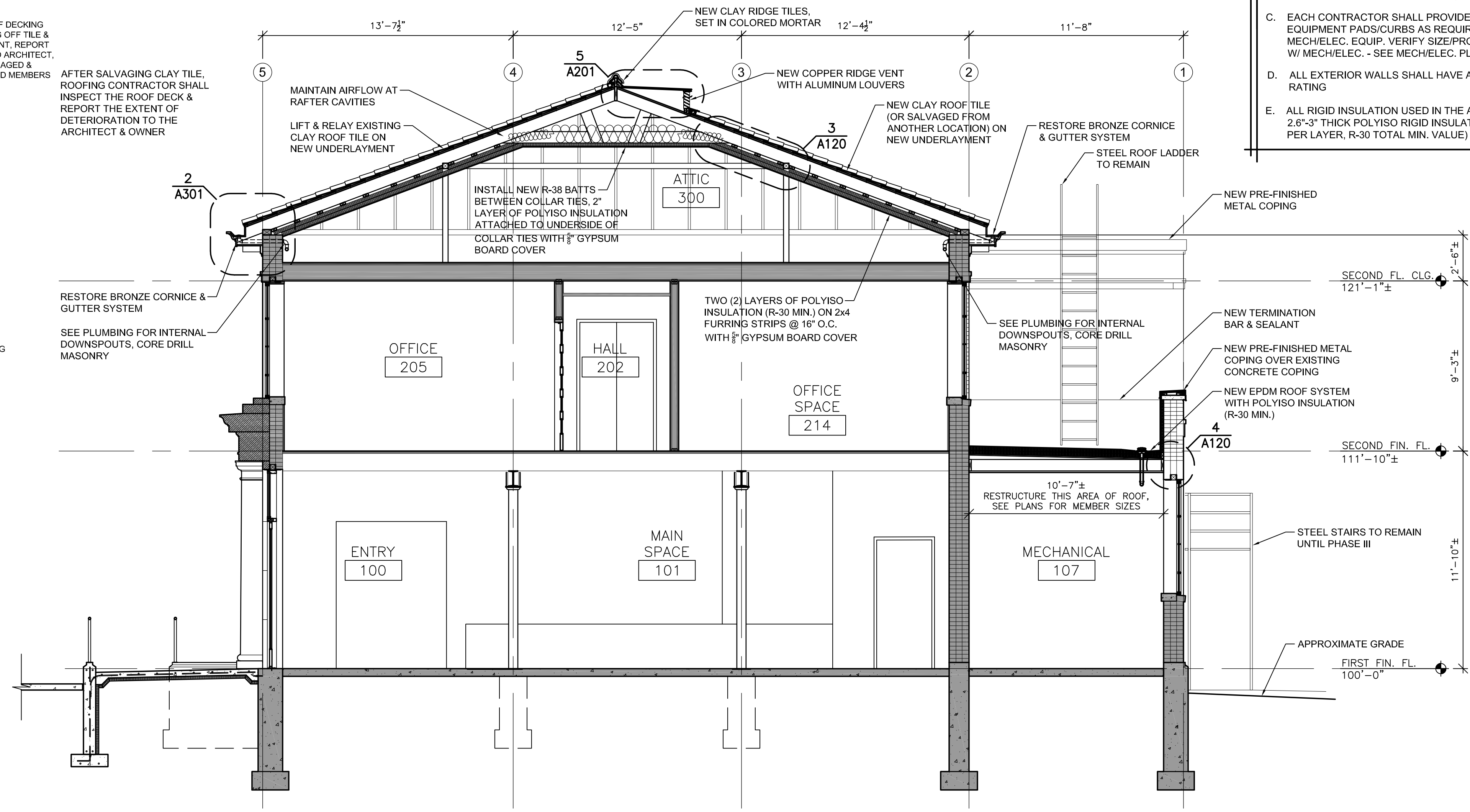
- A. VERIFY SIZE AND LOCATIONS OF ALL MECH. & PLUMBING OPENINGS. ROOFING CONTRACTOR TO SEAL LOUVER PERIMETER AND PAINT - TYPICAL.
- B. EACH CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS FOR THEIR RESPECTIVE DISCIPLINES PRIOR TO BEGINNING WORK AND SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES BETWEEN ACTUAL AND CALLED DIMENSIONS.
- C. EACH CONTRACTOR SHALL PROVIDE CONCRETE EQUIPMENT PADS/CURBS AS REQUIRED FOR MECH/ELEC. EQUIP. VERIFY SIZE/PROFILE/LOCATION W/ MECH/ELEC. - SEE MECH/ELEC. PLANS
- D. ALL EXTERIOR WALLS SHALL HAVE A 2 HOUR FIRE RATING
- E. ALL RIGID INSULATION USED IN THE ATTIC SHALL BE 2.6"-3" THICK POLYISO RIGID INSULATION. (R-15 MIN. PER LAYER, R-30 TOTAL MIN. VALUE)



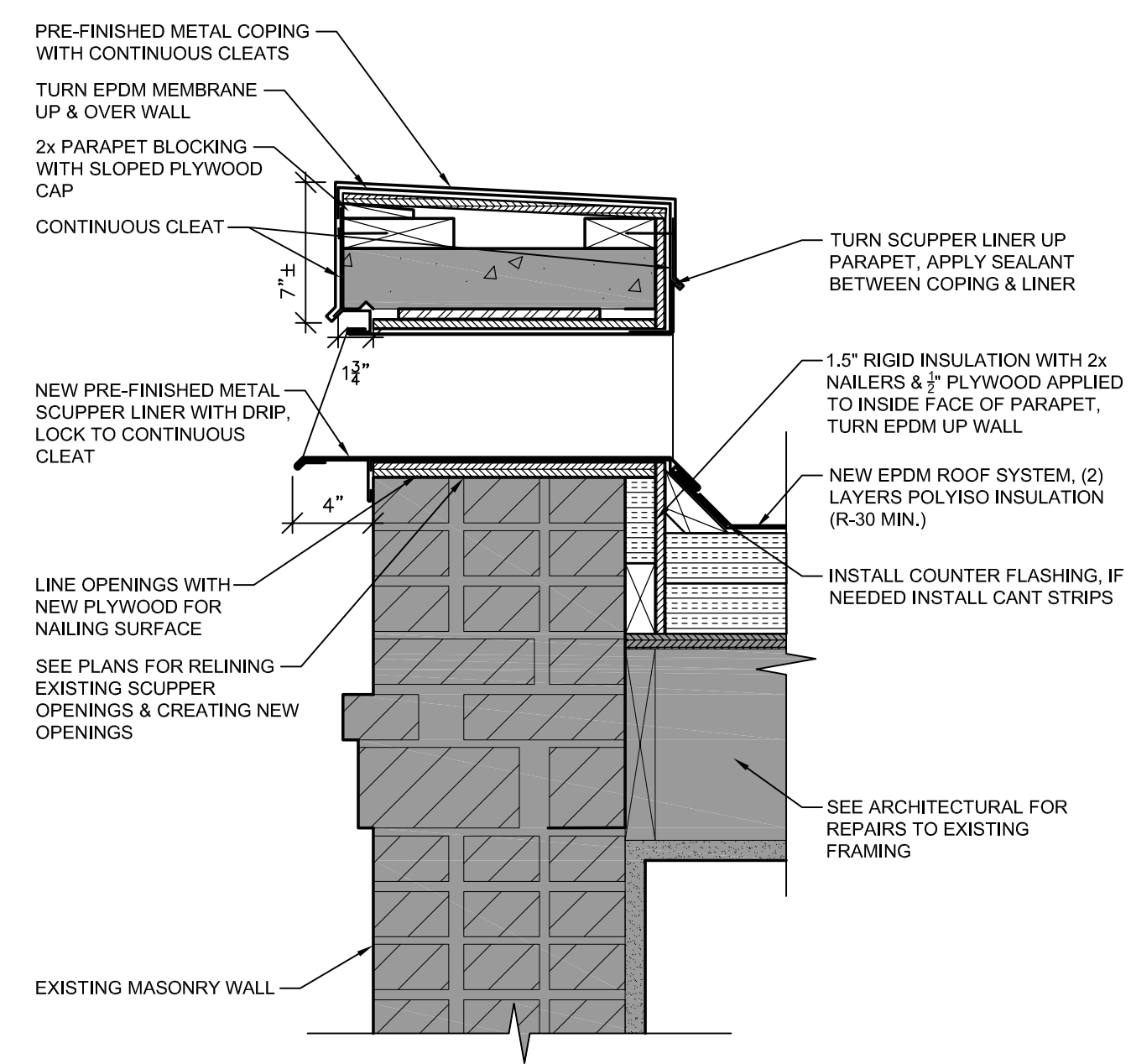
2 TYP. ROOF EDGE DETAIL
1 1/2" = 1'-0"



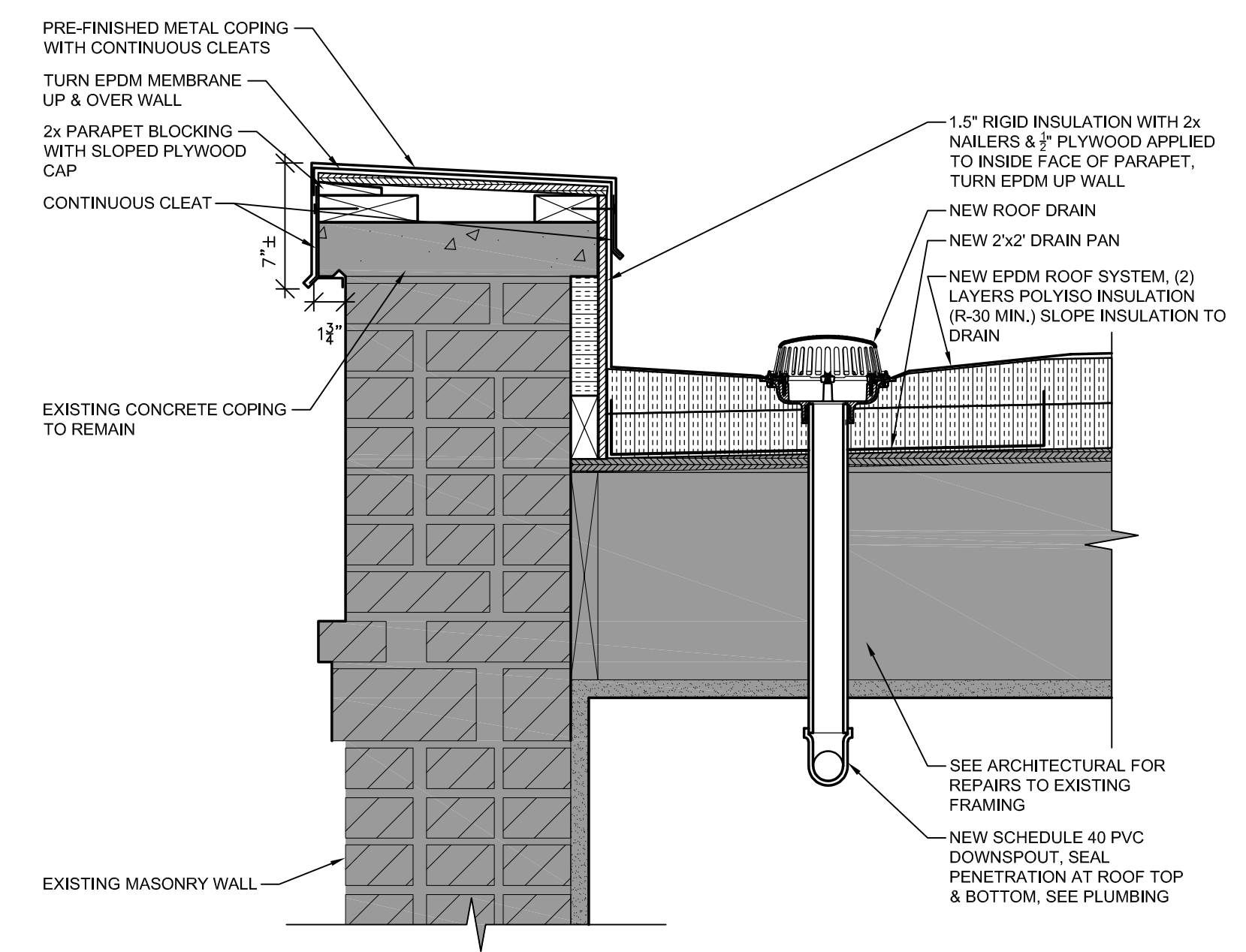
3 TILE-FLAT ROOF TRANSITION
1 1/2" = 1'-0"



1 TRANSVERSE SECTION
1/4" = 1'-0"



4 TYP. SCUPPER DETAIL
1 1/2" = 1'-0"



5 TYP. ROOF DRAIN DETAIL
1 1/2" = 1'-0"

PROJECT: A PROJECT FOR THE CITY OF LA CROSSE
HISTORIC U.S. FISH CONTROL LAB BUILDING REHABILITATION - PHASE II
410 E. Veterans Memorial Drive
La Crosse, WI 54601

PROJECT NUMBER: 19009B

CHECKED BY: M. ZETTLER

DRAWN BY: M. ZETTLER

DATE: 01/12/2022

SHEET TITLE: BUILDING SECTION & DETAILS

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SHEET NO.: A301

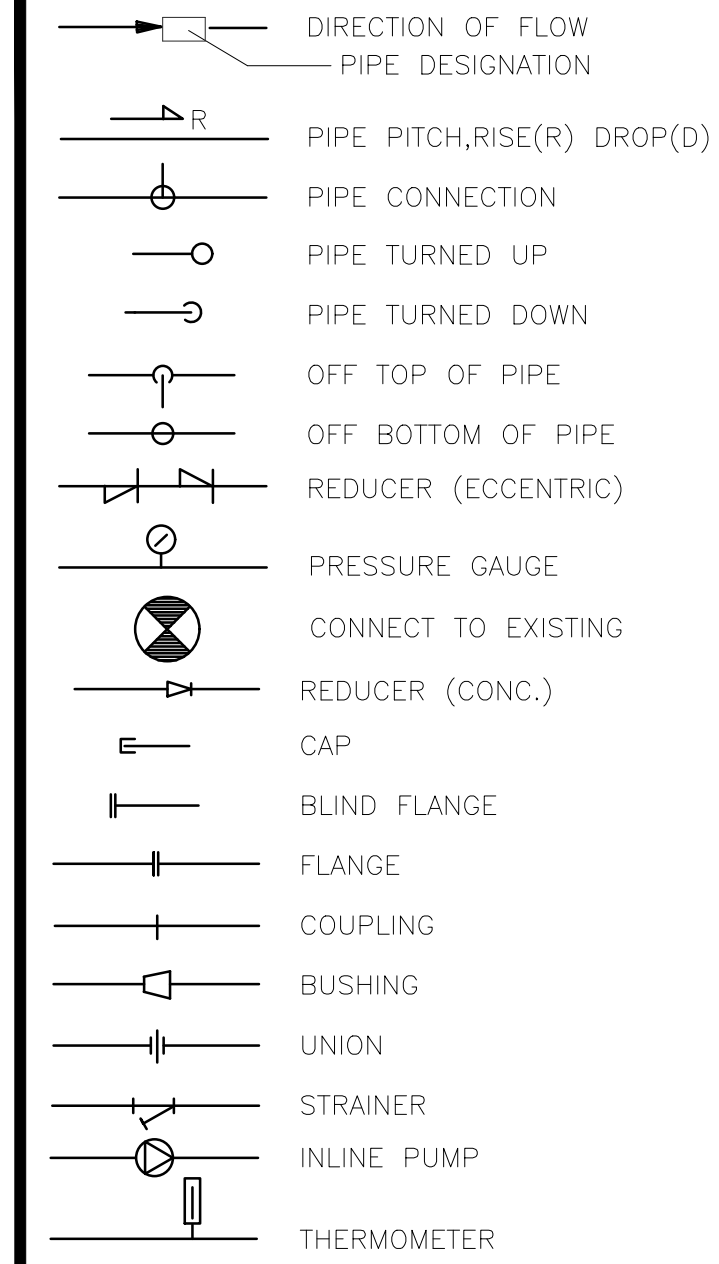
ROOF DRAINS							
MARK	GENERAL DESCRIPTION	ROOF DRAIN	FINISH	INSULATION THICKNESS	OUTLET CONNECTION	ACCESSORIES	REMARKS
RD-3	ROOF DRAIN (3" OUTLET)	Wade 3012-42-3TY-53 Small Area cast iron roof drain with flashing ring, underdeck clamp, gravel stop and locking dome.	Cast Iron "Mushroom" Shape (Standard finish and color)	Varies upto 5.5 inches thick.	No-Hub Cast Iron or PVC	1	
		Wade 3943 Cast bronze downspout nozzle suitable for terminating storm water piping on a vertical exterior surface. Provide with round trim ring and matching bronze fasteners.	Standard Cast Bronze		3" threaded		
DN-3	DOWNSPOUT NOZZLE (3" OUTLET)	Wade 3944 Cast bronze downspout nozzle suitable for terminating storm water piping on a vertical exterior surface. Provide with round trim ring and matching bronze fasteners.	Standard Cast Bronze		4" threaded		

- ACCESSORIES:**
- Deck Clamp
 - Extension Flange
 - Perforated Extension
 - Perforated Gravel Stop
 - 2 Inch High Dam
 - Flow Control Assembly
 - Standpipe Assembly

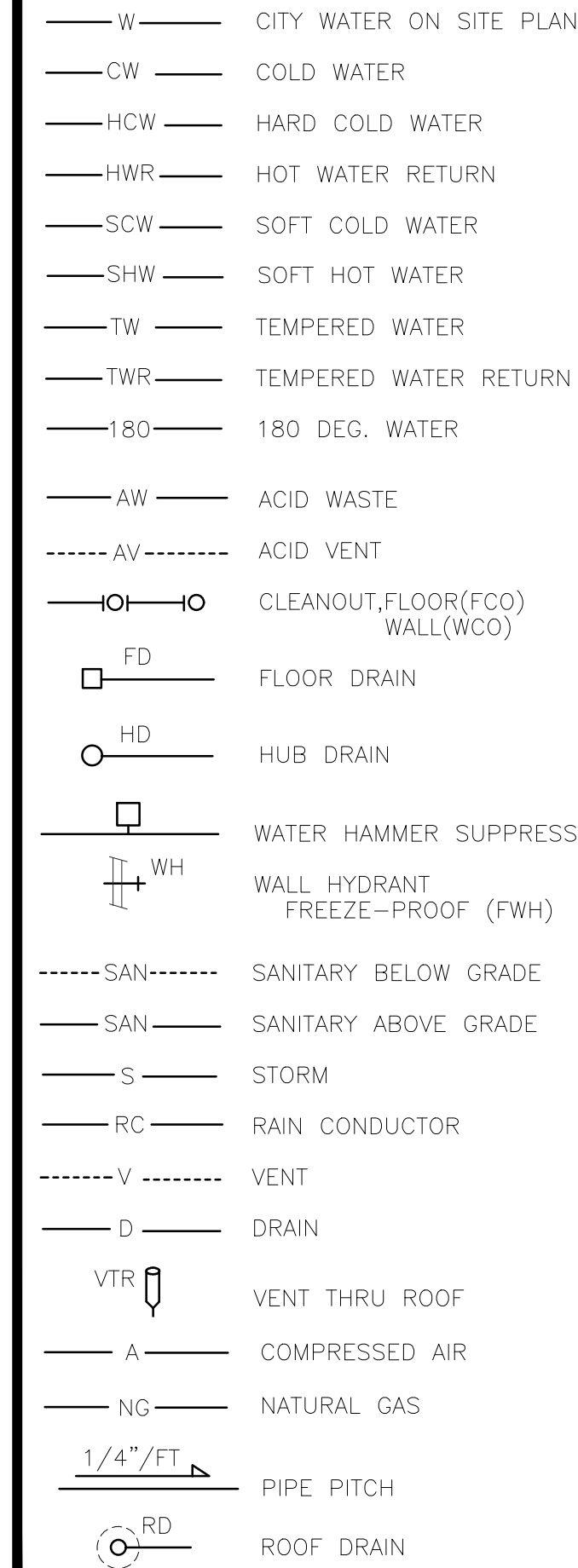
REMARKS:

A.

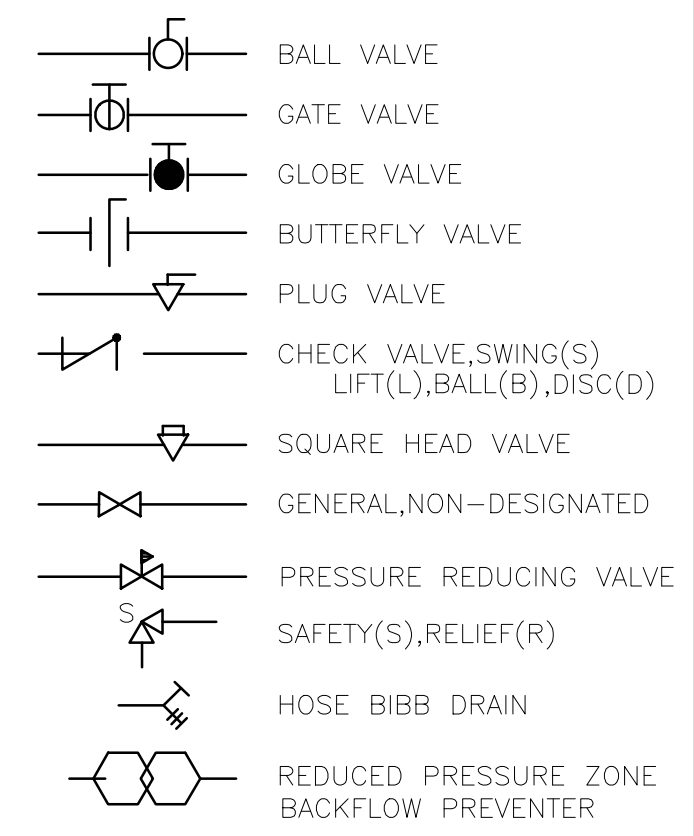
GENERAL PIPING



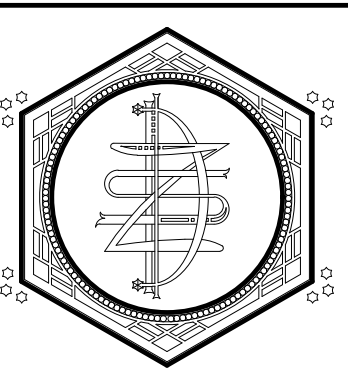
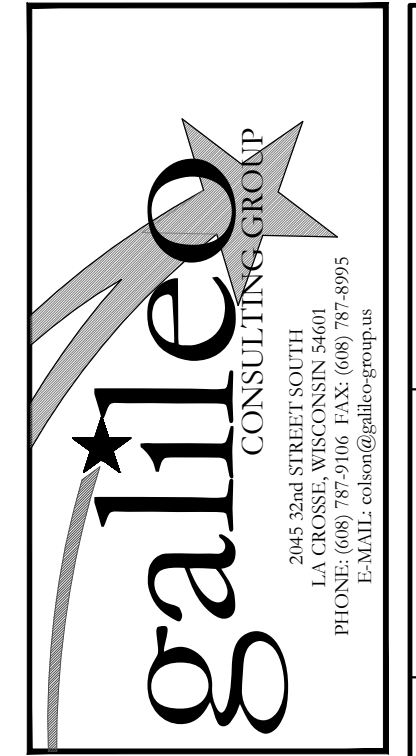
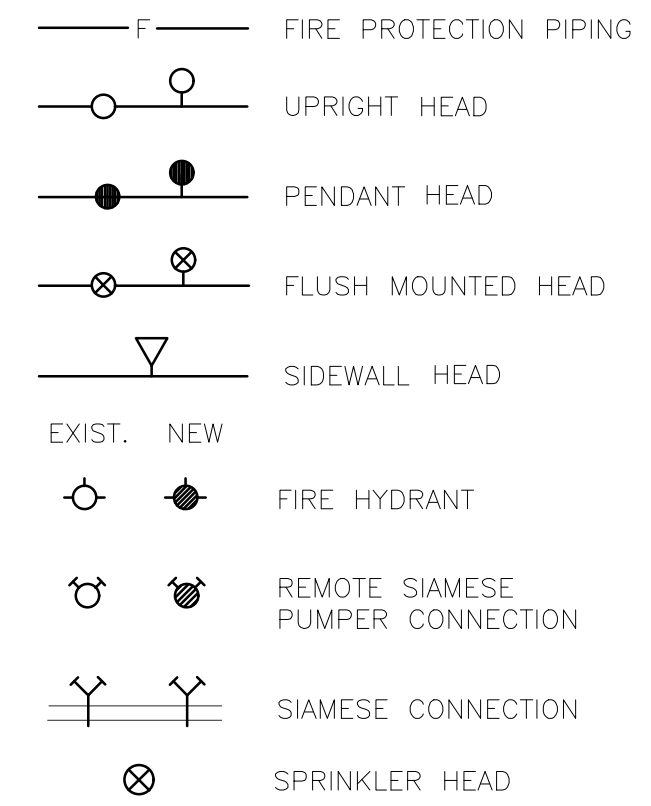
PLUMBING



VALVES



FIRE PROTECTION



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PROJECT:
**A PROJECT FOR THE CITY OF LA CROSSE
 HISTORIC U.S. FISH CONTROL LAB BUILDING REHABILITATION - PHASE 2**
 410 E. Veterans Memorial Drive
 La Crosse, WI 54601

PROJECT NUMBER:
 19009A

CHECKED BY:
 GALILEO

DRAWN BY:
 GALILEO

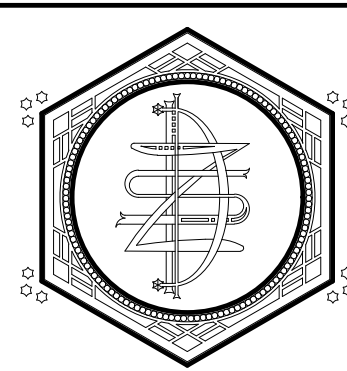
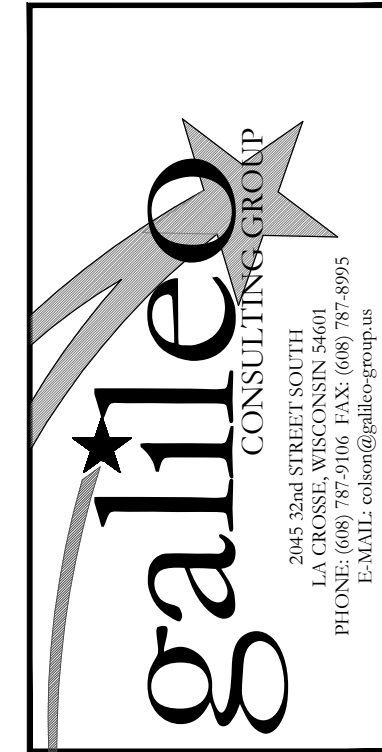
DATE:
 01/12/2022

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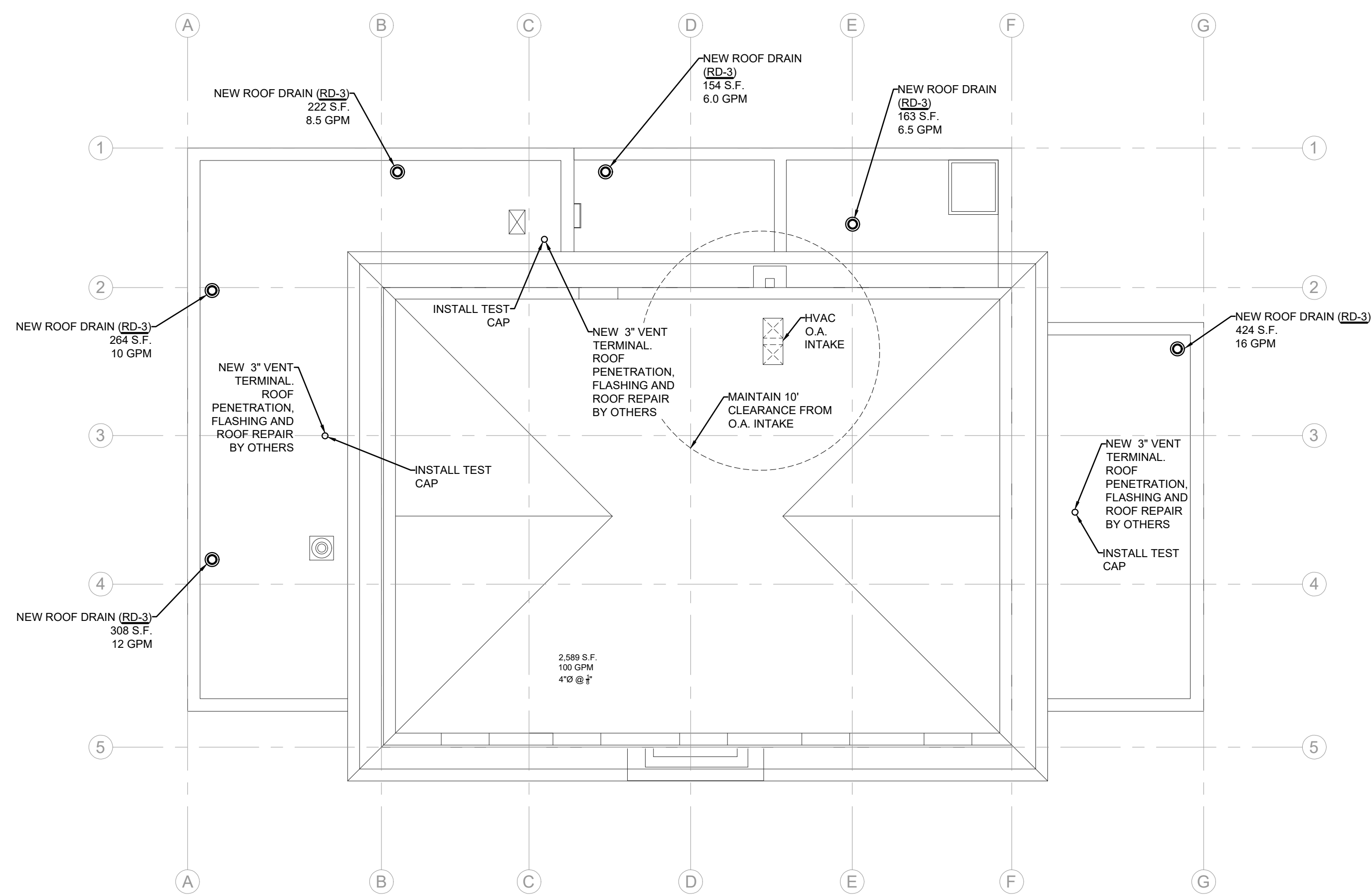
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P001

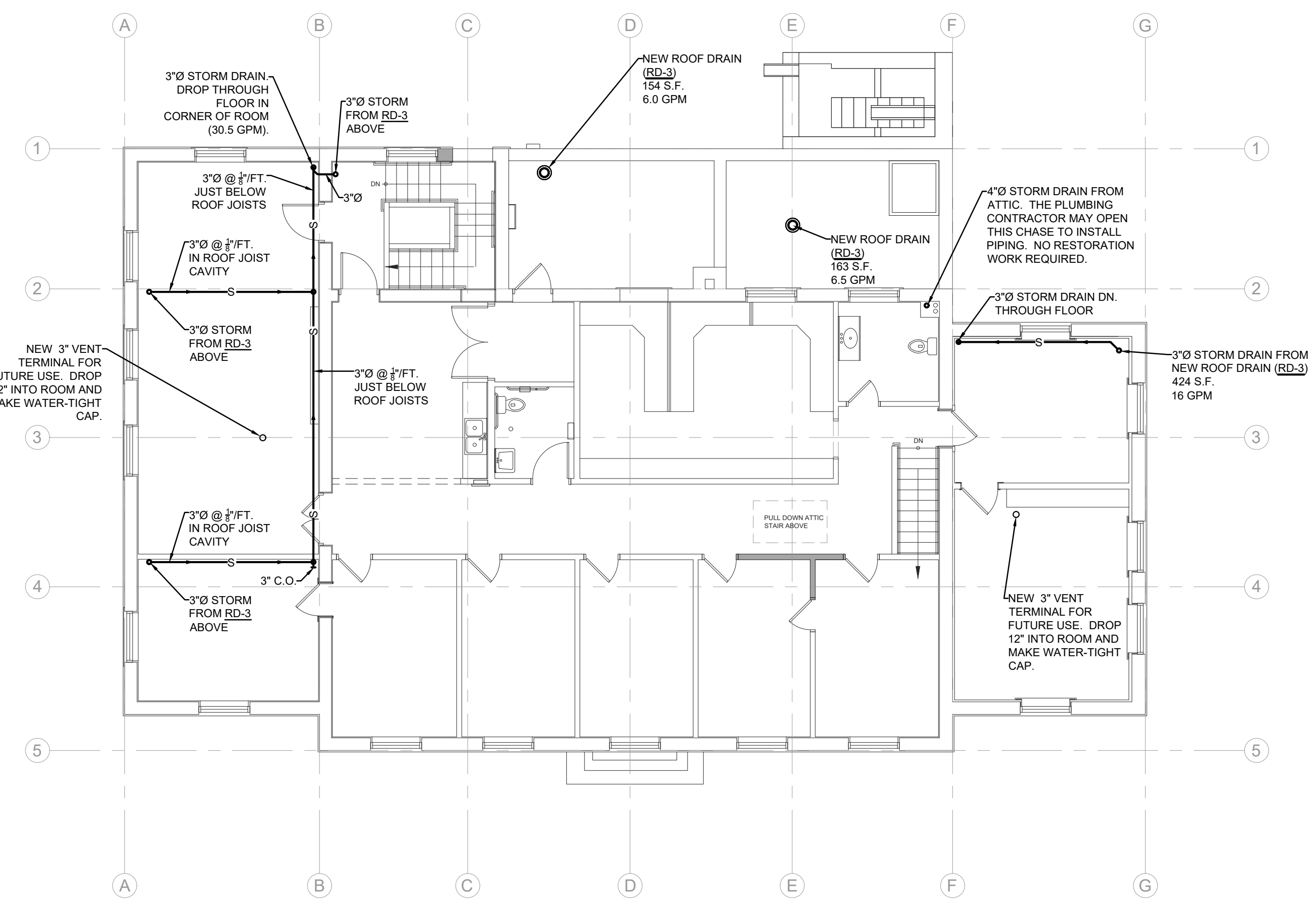
SHEET TITLE:
PLUMBING SYMBOLS & SCHEDULES



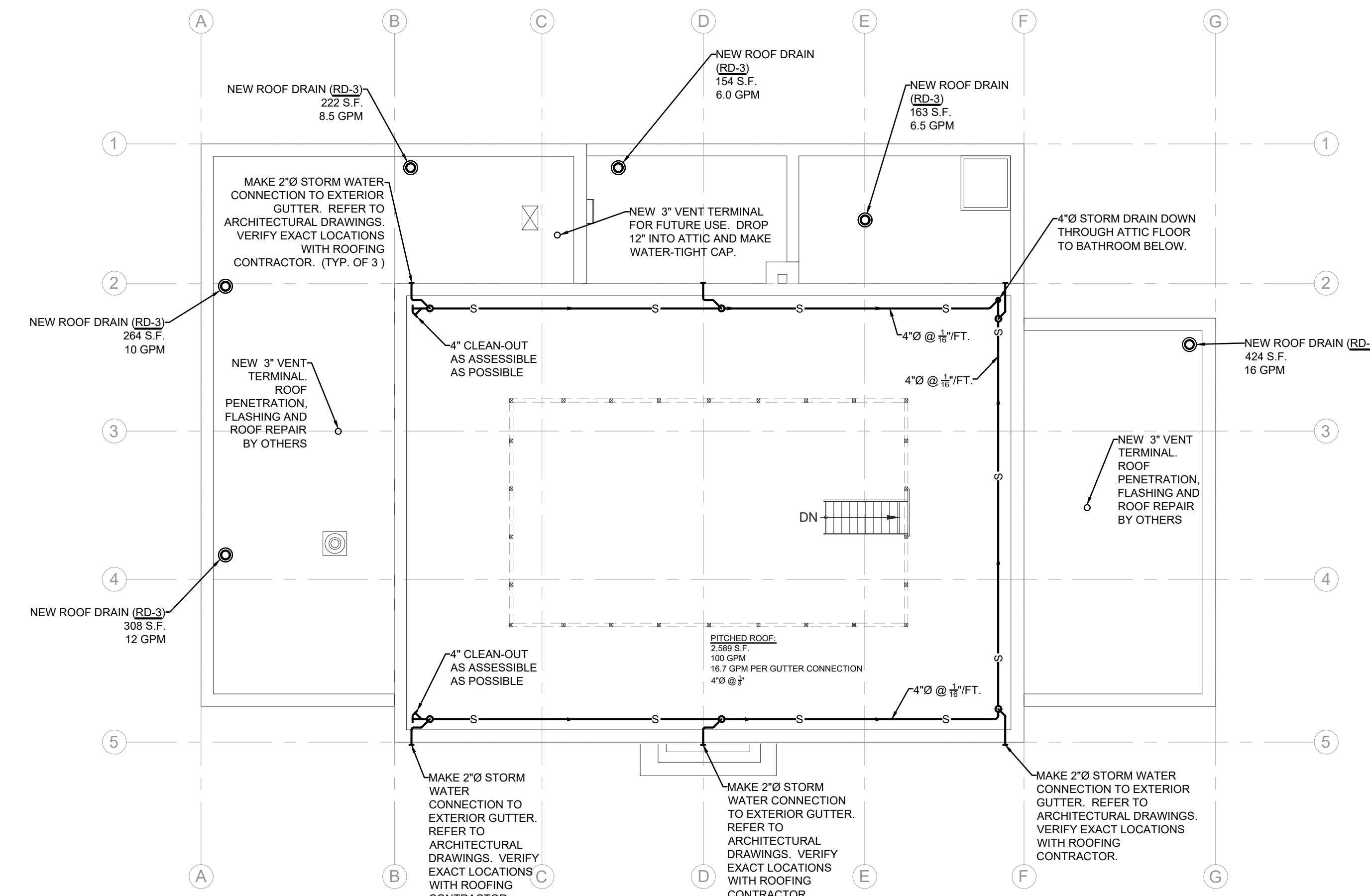
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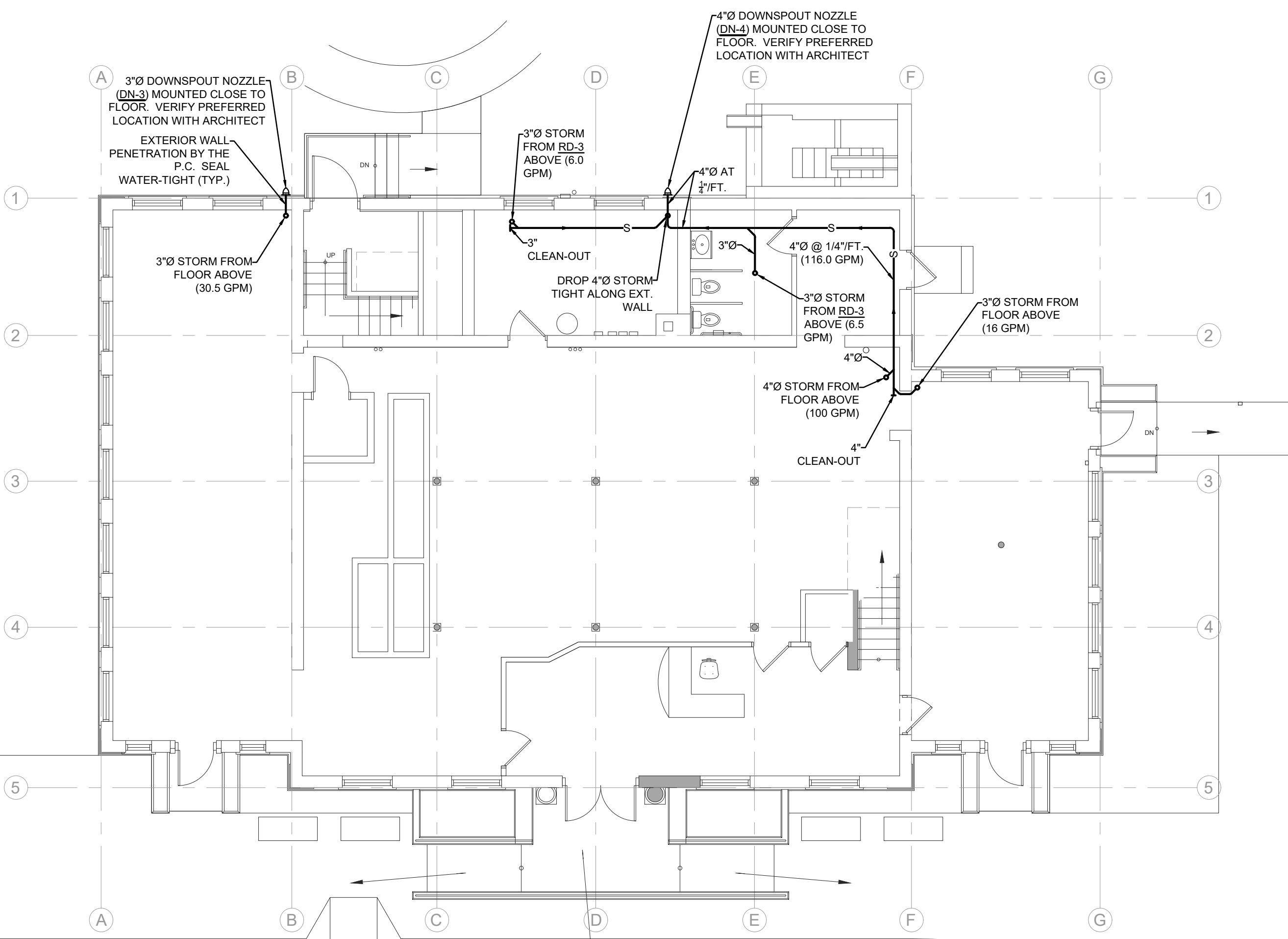
4 ROOF NEW CONSTRUCTION PLAN
SCALE 1/8" = 1'-0"



2 SECOND FLOOR NEW CONSTRUCTION PLAN
SCALE 1/8" = 1'-0"



3 ATTIC NEW CONSTRUCTION PLAN
SCALE 1/8" = 1'-0"



1 FIRST FLOOR NEW CONSTRUCTION PLAN
SCALE 1/8" = 1'-0"

PROJECT: A PROJECT FOR THE CITY OF LA CROSSE
HISTORIC U.S. FISH CONTROL LAB BUILDING REHABILITATION - PHASE 2
410 E. Veterans Memorial Drive
La Crosse, WI 54601
SHEET TITLE: PLUMBING NEW CONSTRUCTION PLANS

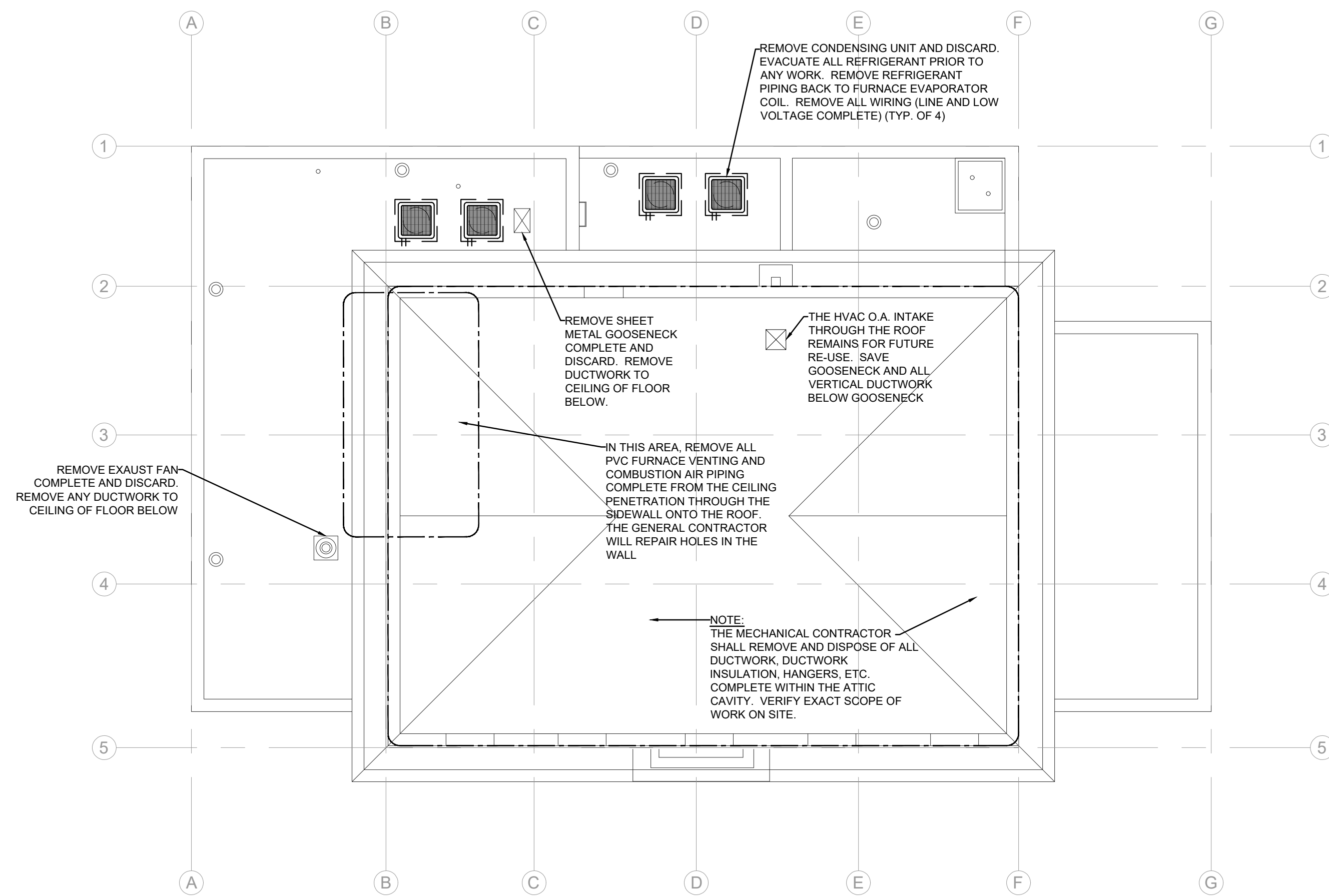
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SHEET NO.: **P100**

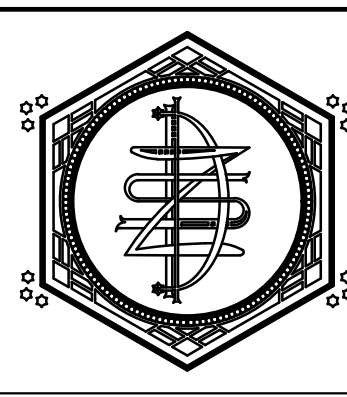
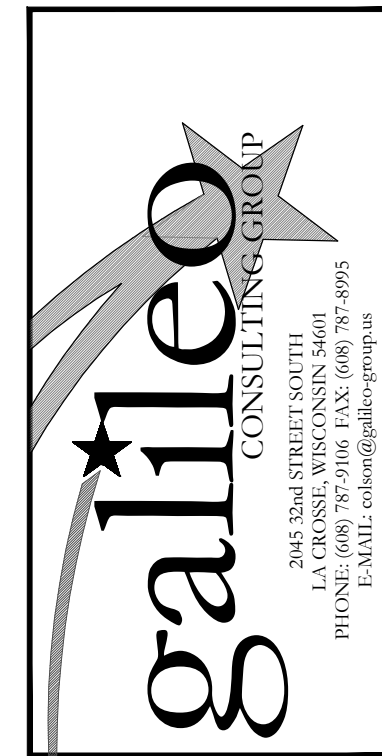


2 ATTIC PHOTOGRAPHS
SCALE NONE



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

DUCTWORK	GENERAL PIPING	EQUIPMENT
<ul style="list-style-type: none"> 24X12 RECTANGULAR DUCT 24"WIDE X 12"DEEP CLEAR INSIDE DIMENSION ROUND RIGID DUCT 12"DIA. ROUND FLEXIBLE DUCT DUCT TURNED UP DUCT TURNED DOWN SUPPLY / FRESH AIR RETURN AIR EXHAUST AIR TRANSITION, 30" MAX. RECTANGULAR TO ROUND TRANSITION 45 DEG. ENTRY TAP AIR EXTRACTOR 90 DEG. ELBOW W/ TURNING VANES OPPOSED BLADE DAMPER PARALLEL BLADE DAMPER BUTTERFLY DAMPER DUCT COVERING THERMAL INSULATION DUCT LINER ACOUSTICAL INSULATION ACCESS PANEL (AP) ACCESS DOOR (AD) HORIZONTAL FIRE DAMPER (N VERTICAL DUCT) VERTICAL FIRE DAMPER (N HORIZONTAL DUCT) DIFFUSER TYPE ,CFM UNDERCUT DOOR DOOR GRILLE 18"WX12"H THERMOSTAT HUMIDISTAT TEMPERATURE SENSOR AIRFLOW INDICATOR MOTOR OPERATOR PNEUMATIC OPERATOR STEAM DISTRIBUTION TUBE HUMIDIFIER CENTRIFUGAL ROOF EXHAUSTER ROOF FRESH AIR INTAKE 	<ul style="list-style-type: none"> DIRECTION OF FLOW PIPE DESIGNATION PIPE PITCH,RISE(R) DROP(D) PIPE CONNECTION PIPE TURNED UP PIPE TURNED DOWN OFF TOP OF PIPE OFF BOTTOM OF PIPE REDUCER (ECCENTRIC) REDUCER (CONCENTRIC) DOOR GRILLE CAP BLIND FLANGE FLANGE COUPLING BUSHING UNION STRAINER INLINE PUMP THERMOMETER PRESSURE GAUGE CONNECT TO EXISTING 	<ul style="list-style-type: none"> ACC - Air Cooled Chiller ACU - Air Cooled Condensing Unit AFM - Air Flow Measuring Station AHU - Air Handling Unit AP - Access Panel ATU - Air Terminal Unit B - Blower Coil BC - Boiler BV - Brick Vent CC - Ceiling Diffuser CD - Ceiling Diffuser CF - Combustion Air Fan CH - Cabinet Heater CP - Condensate Pump CT - Cooling Tower CU - Condensing Unit CV - Convectors DC - Duct Coil DD - Door Grille DLC - Dry Liquid Coolers EBB - Electric Base Board ECH - Electric Cabinet Heater EDH - Electric Duct Heater EH - Exhaust Fan EG - Exhaust Grille EH - Exhaust Hood ELC - Evaporative Liquid Coolers ER - Exhaust Register ETS - Expansion Tank System EUH - Electric Unit Heater EWI - Electric Wall Heater F - Fan FC - Fan Coil Unit FG - Floor Grille FH - Filter Housing FT - Fin Tube Radiation HC - Heating Coil HCC - Heat Coil Coils HP - Heat Pump HUM - Humidifier HX - Heat Exchanger IH - Intake Hood IL - Intake Louver IPH - Infrared Panel Heater ITH - Infrared Tube Heater L - Louver LG - Linear Grille LS - Linear Slot MUA - Make-Up Air Unit P - Pump PAC - Packaged Air Conditioners RG - Return Grille RH - Return Panel RR - Return Register RTU - Rooftop Unit SD - Slot Diffuser SF - Supply Fan SG - Supply Grille TG - Transfer Grille UH - Unit Heater VAC - Unit Air Conditioner VAV - Variable Air Volume Box WCH - Water Cooled Chiller
<ul style="list-style-type: none"> —RL— REFRIGERANT LIQUID —RS— REFRIGERANT SUCTION —RHG— REFRIGERANT HOT GAS —CHWS— CHILLED WATER SUPPLY —CHWR— CHILLED WATER RETURN COMBINATION TEMPERATURE/PRESSURE GAGE 	<ul style="list-style-type: none"> —HS— HEATING WATER SUPPLY —HR— HEATING WATER RETURN AUTOMATIC AIR VENT MANUAL AIR VENT BALANCING VALVE FLOW INDICATOR BASEBOARD RADIATION (SHOWING ACTIVE LENGTH) 	<p>ABBREVIATIONS</p> <ul style="list-style-type: none"> AFF - Above Finish Floor BD - Back Draft Damper BOF - Bottom Of Footing CLG - Ceiling C/C - Center To Center CW - Cold Water COMP - Compressor CR - Condenser Return CS - Condenser Supply CONN - Connection DIFF - Diffuser DF - Drinking Fountain DTR - Dual - Temp Return DTS - Dual - Temp Supply DF - Duct Furnace DH - Duct Heater EWC - Electrical Water Cooler EWI - Electrical Water Heater E.C. - Electrical Contractor EXH - Exhaust EF - Exhaust Fan EG - Exhaust Grille FD - Fire Damper FLD - Floor Drain FS - Flow Switch G.C. - General Contractor HP - Horse Power HT - Hot Water I.E. - Invert Elevation MAV - Manual Air Vent M.C. - Mechanical Contractor MOD - Motor Operated Damper P.C. - Plumbing Contractor RD - Roof Drain SAN - Sanitary SM - Sheet Metal SD - Smoke Damper T'STAT - Thermostat UR - Urinal V - Vent VTR - Vent Thru Roof WH - Wall Hydrant WTR - Water WC - Water Closet WP - Water Proof
<ul style="list-style-type: none"> —NG— NATURAL GAS —PG— PROPANE GAS —LP— LIQUID PROPANE —PA— PROPANE/AIR MIX —FOS— FUEL OIL SUPPLY —FOR— FUEL OIL RETURN —GAS COCK 	<ul style="list-style-type: none"> BALL VALVE GATE VALVE GLOBE VALVE BUTTERFLY VALVE PLUG VALVE CHECK VALVE,SWING(S) LIFT(L),BALL(B),DISC(D) SQUARE HEAD VALVE GENERAL_NON-DESIGNATED PRESSURE REDUCING VALVE SAFETY(S),RELIEF(R) HOSE BIBB DRAIN REDUCED PRESSURE ZONE BACKFLOW PREVENTER 	



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PROJECT: A PROJECT FOR THE CITY OF LA CROSSE
HISTORIC U.S. FISH CONTROL LAB BUILDING REHABILITATION - PHASE 2
410 E. Veterans Memorial Drive
La Crosse, WI 54601
SHEET TITLE: MECHANICAL DEMOLITION PLAN & SYMBOLS

PROJECT NUMBER: 19009A
CHECKED BY: GALILEO
DRAWN BY: GALILEO
DATE: 01/12/2022

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