

SOUTH OGDEN 7, 8 WARD REROOF

SOUTH OGDEN, UTAH



333 24TH STREET
 OGDEN, UT 84401
 BP-ARCHITECTS.NET
 P 801.394.3033



PROJECT TEAM:

OWNER:
 THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS
 A UTAH CORPORATION SOLE
 50 EAST NORTH TEMPLE STREET
 SALT LAKE CITY, UTAH 84150

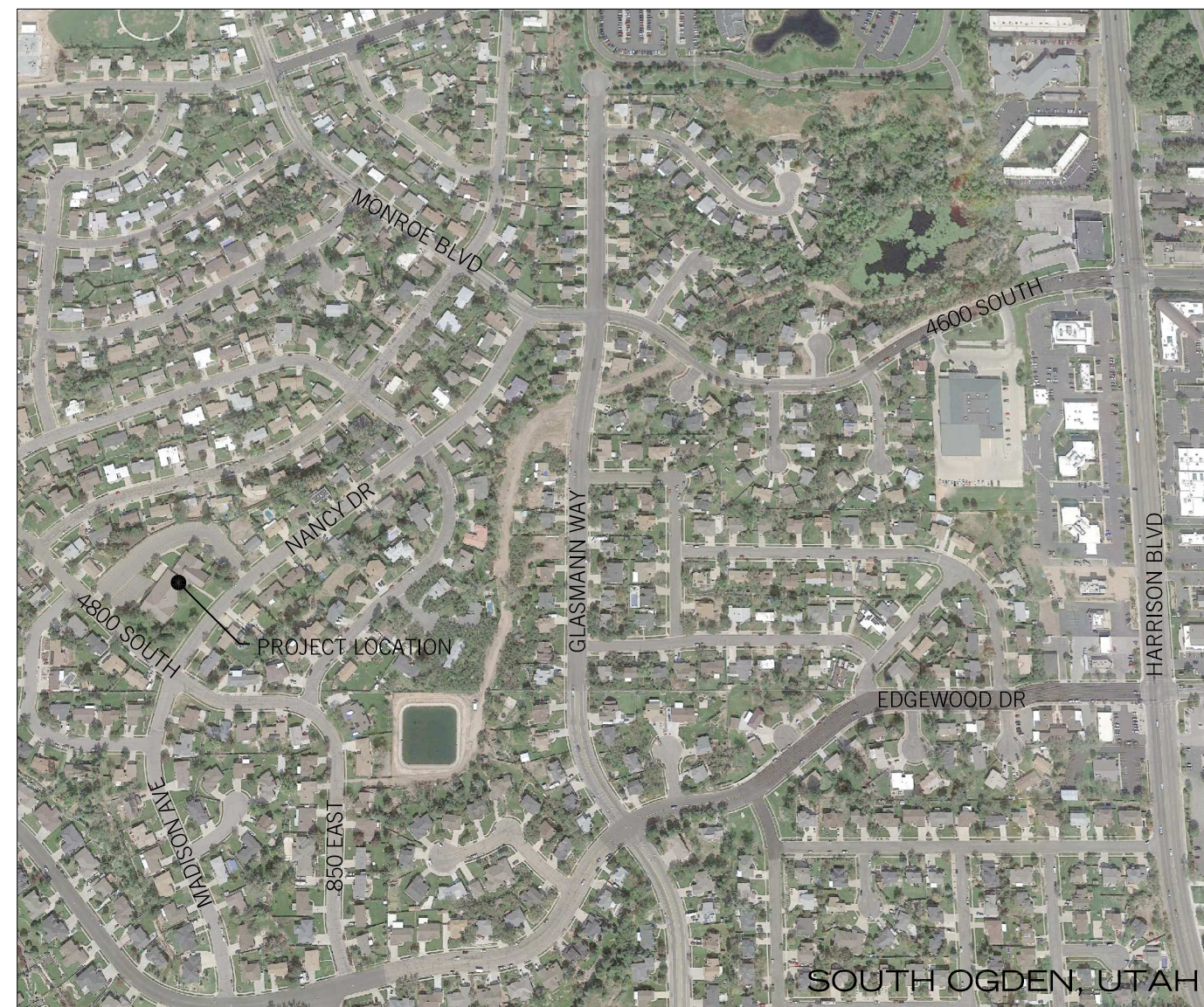
ARCHITECT:
 BOTT PANTONE ARCHITECTS
 620 24TH STREET
 OGDEN, UTAH 84401
 801.394.3033

STRUCTURAL:
 ARW ENGINEERS
 1594 WEST PARK CIRCLE
 OGDEN, UTAH 84404
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VICINITY MAP:



STANDARD SYMBOL LEGEND:

Building/Wall Section Reference Sheet Reference	
Detail Reference Sheet Reference	
Elevation Marker	
Elevation Reference Sheet Reference	
Room Number Door Designation	
Window Designation	
Reflected Ceiling Elevation	
Room Title Room Number	
Partition Type	
Keyed Note	

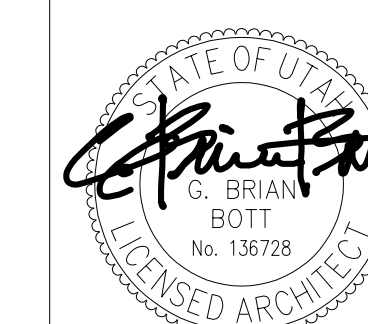
STANDARD SYMBOL LEGEND:

	Asphalt		Glass (in elevation)
	Ball Insulation		Gravel / Rock Fill
	Ceramic Tile (in elevation)		Gypsum Board
	Concrete		Particle Board
	Concrete & Plaster (in elevation)		Sand, Plaster, Stucco & Sand Setting Beds
	Concrete Masonry Units		Plywood
	Brick		Rigid Insulation
	Compacted Backfill		Steel
	Earth		Wood Framing (cont. member)
	Finish Lumber		Wood Framing (interrupted member)
	Glass		Metal Studs

ABBREVIATIONS:

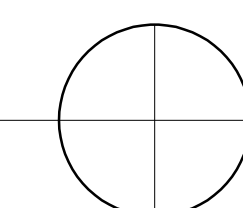
@	At	eb	Expansion Bolt	max	Maximum
Ø	Diameter	eifs	Exterior Insul Fin System	mech	Mechanical
#	Pound or Number	exp jt	Expansion Joint	mtf	Metal
ab	Anchor Bolt	elec	Electrical	mfr	Manufacturer
act	Acoustical Tile	elev	Elevation	min	Minimum
adj	Adjustable	eq	Equal	nic	Not In Contract
aff	Above Finish Floor	equip	Equipment	nts	Not To Scale
alum	Aluminum	ewc	Elec Water Cooler	o.c.	On Center
bd	Board	exist	Existing	pl	Plate
bldg	Building	ext	Exterior	pl	Property Line
bm	Beam	fd	Floor Drain	plyd	Plastic Larrinate Plywood
bot	Bottom	fdn	Foundation	rb	Resilient Base
brg	Bearing	fecb	Fire Extinguisher Cab	re	Reference
bur	Built Up Roofing	fin fl	Finish(ed) Floor	reint	Reinforce(d) (ing)
cab	Cabinet	ft	Foot or Feet	rfg	Roofing
cjt	Control Joint	fg	Footing	rm	Room
cl	Center Line	fur	Furring	sc	Solid Core
clg	Ceiling	ga	Gauge	sch	Schedule
cmu	Concrete Masonry Units	galv	Galvanized	sec	Section
col	Column	gc	General Contractor	sec	Section
conc	Concrete	gl	Glass	sim	Similar
const	Construction	gyp bd	Gypsum Board	spec	Specification
const jt	Construction Joint	hc	Hollow Case	sq	Square
cont	Continuous	hdwd	Hardwood	stl	Steel
contr	Contract(or)	hdwr	Hardware	temp gl	Tempered Glass
corr	Corridor	hdrl	Handrail	typ	Typical
ct	Ceramic Tile	hm	Hollow Metal	vct	Vinyl Composition Tile
det	Detail	id	Inside Diameter	w	With
dim	Dimension	incl	Include(d) (ing)	wd	Wood
dn	Down	insul	Insulation	wdw	Window
dr	Door	int	Interior	w/o	Without
ea	Each	jt	Joint	wsc	Wainscot

COVER SHEET / GENERAL INFORMATION

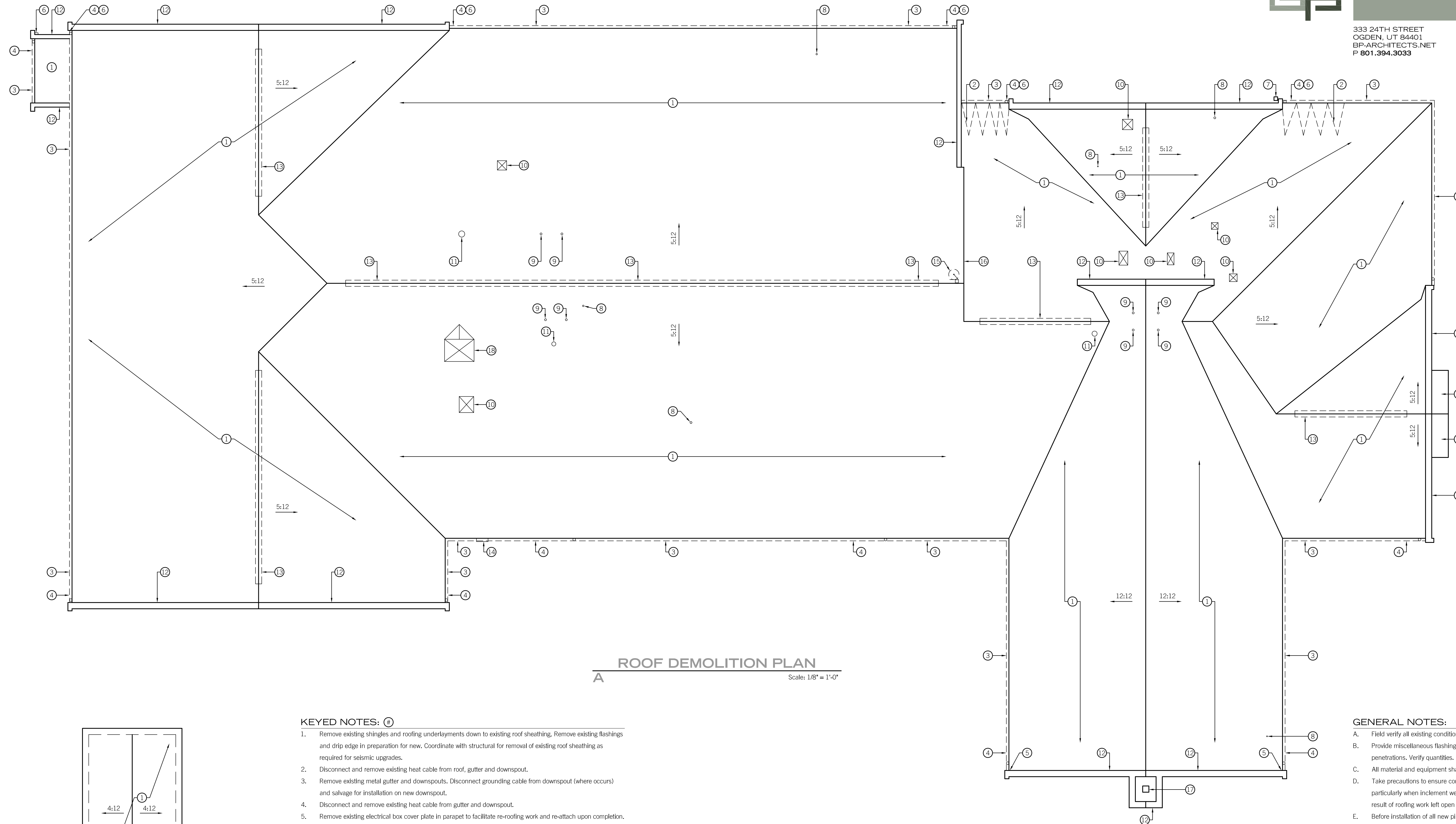


04.27.22
 Project Number: 2112
 Property Number: 512-7173

SOUTH OGDEN 7, 8 REROOF
 720 NANCY DRIVE
 SOUTH OGDEN, UTAH 84403



G101



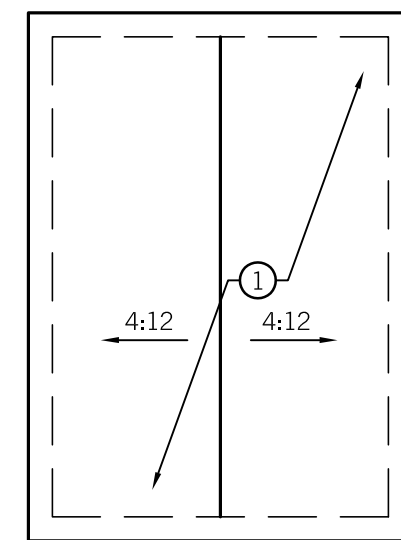
ROOF DEMOLITION PLAN
 A
 Scale: 1/8" = 1'-0"

KEYED NOTES: ①

1. Remove existing shingles and roofing underlaments down to existing roof sheathing. Remove existing flashings and drip edge in preparation for new. Coordinate with structural for removal of existing roof sheathing as required for seismic upgrades.
2. Disconnect and remove existing heat cable from roof, gutter and downspout.
3. Remove existing metal gutter and downspouts. Disconnect grounding cable from downspout (where occurs) and salvage for installation on new downspout.
4. Disconnect and remove existing heat cable from gutter and downspout.
5. Remove existing electrical box cover plate in parapet to facilitate re-roofing work and re-attach upon completion.
6. Retain and protect existing storm water pipe riser at downspout.
7. Disconnect and remove existing weather sensor (for irrigation system) to facilitate re-roofing work. Reinstall on finished parapet wall cap.
8. Remove existing base flashing from plumbing vent-thru-roof in preparation for new flashing.
9. Remove existing base flashing from furnace air/flue pipe in preparation for new flashing.
10. Remove existing base flashing from penthouse in preparation for new flashing.
11. Remove existing base flashing from metal flue in preparation for new flashing.
12. Remove existing metal parapet wall coping and flashing in preparation for new flashing and coping.
13. Remove existing ridge vent material.
14. Remove existing sheet metal cover between sections of rain gutters in preparation for new.
15. Remove existing obsolete communications dish and associated cabling.
16. Remove existing metal siding from wall between upper and lower roofs to facilitate re-roofing work. Salvage for reinstallation over new flashing. Remove existing metal fascia from upper roof.
17. Retain and protect existing metal spire.
18. Remove existing metal siding from base at penthouse.

GENERAL NOTES:

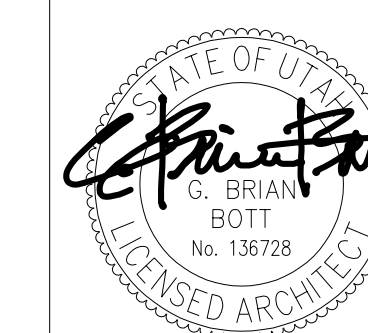
- A. Field verify all existing conditions and dimensions prior to bidding.
- B. Provide miscellaneous flashing and accessories required for a complete job. Provide new flashing on all roof penetrations. Verify quantities.
- C. All material and equipment shall be new except where noted otherwise.
- D. Take precautions to ensure compromised roofing is not left exposed to weather at the end of the workday, particularly when inclement weather is forecast. Any and all damage to interior finished and/or equipment as a result of roofing work left open or inadequately secured will be repaired or replaced at no cost to the Owner.
- E. Before installation of all new pipe jacks and flue flashings verify that flues and vents are properly strapped inside the building to prevent settlement or shifting into roof. Prior to completion of the work, Contractor shall verify that mechanical equipment venting has positive release flow to roof vent and flue is secured to original height and all connections are tight and secure.
- F. The existing free-standing on-site storage building will also be reroofed as part of this project.
- G. Existing sheathing removal: sawcut and remove existing roof sheathing as required to facilitate seismic upgrade work. Extent and locations of sheathing removal may vary with Contractor's approach to upgrade work. Replace removed sheathing upon completion of seismic work with sheathing to match existing in thickness. Existing sheathing removed in good condition may be used for replacement.



STORAGE BUILDING
ROOF DEMOLITION PLAN

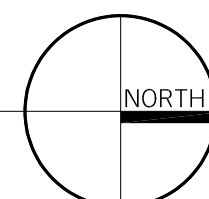
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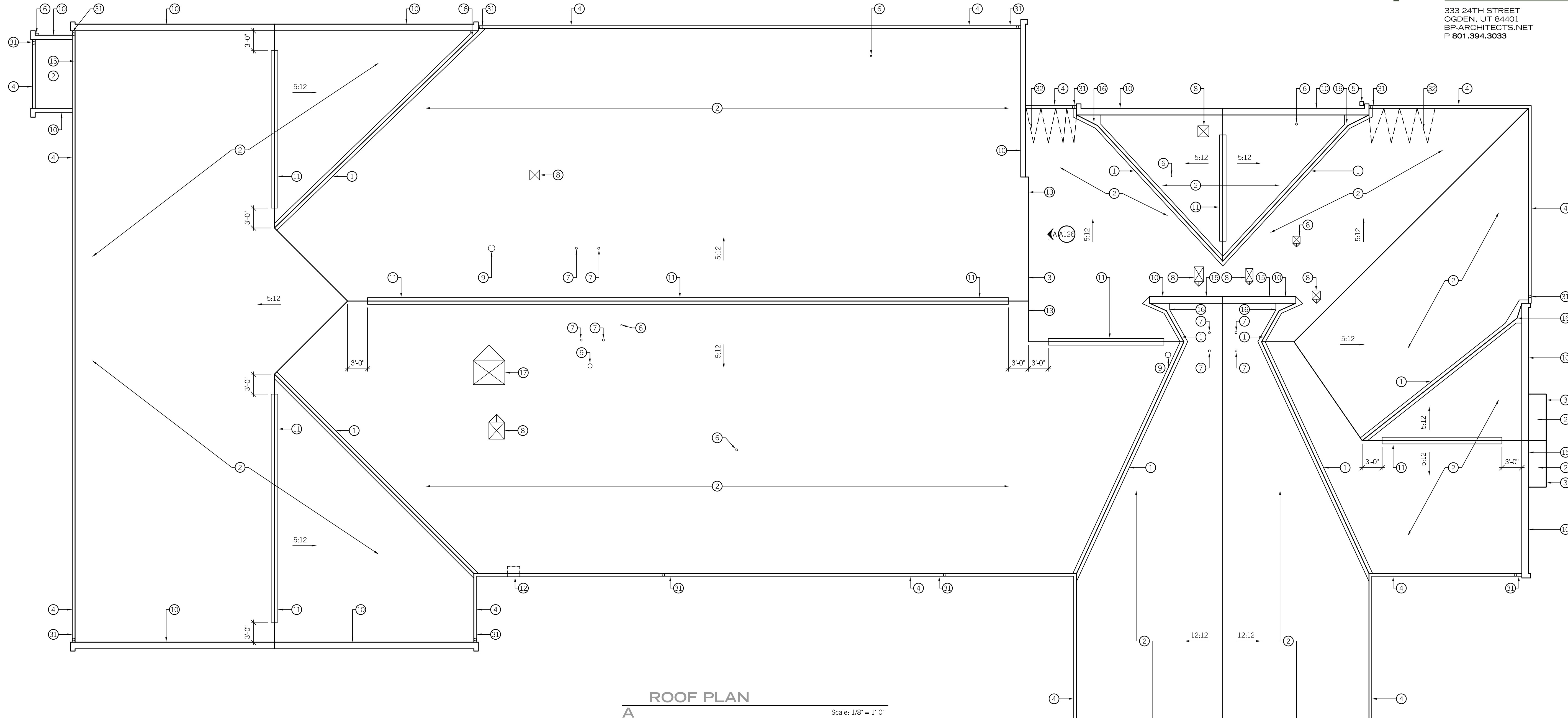
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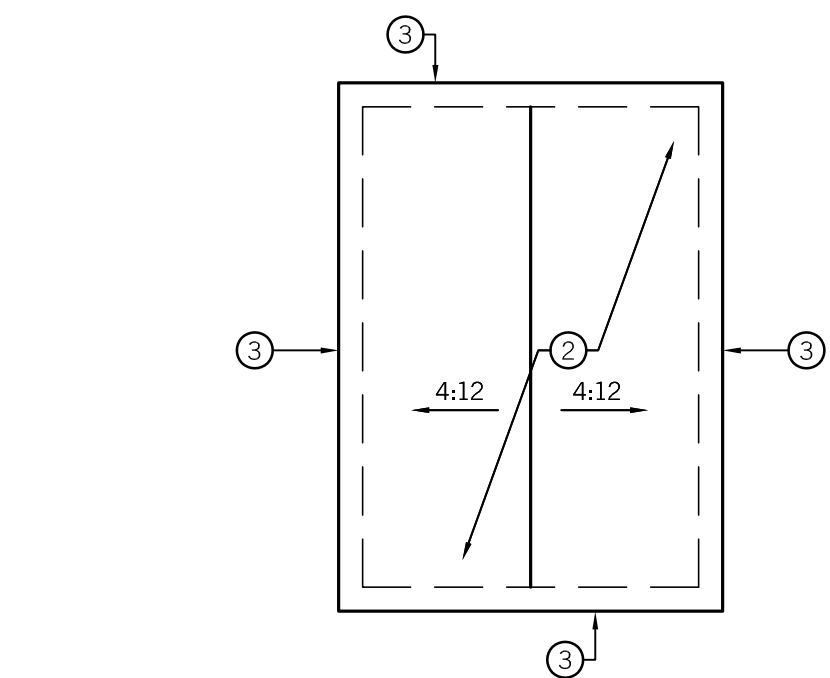
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 720 NANCY DRIVE
 SOUTH OGDEN, UTAH 84403





ROOF PLAN
 A Scale: 1/8" = 1'-0"



STORAGE BUILDING ROOF PLAN
 B Scale: 1/8" = 1'-0"

KEYED NOTES: ①

1. Pre-finished metal valley, see 5/A126.
2. Asphalt shingles on primary and secondary underlayments. Provide 2 courses of secondary underlayment at eaves and rakes, and one 36" course centered over ridge where new ridge installed. Secondary underlayment is not required at storage building.
3. Pre-finished metal drip edge.
4. Pre-finished metal rain gutter and downspout(s) as indicated, see 7/A125.
5. Reinstall existing irrigation system weather sensor on parapet upon completion of roofing work.
6. Provide base flashing at existing plumbing vent, see 5/A125.
7. Provide base flashing at existing furnace air/flue pipe, see 5/A125 (sim.).
8. Provide base flashing at existing penthouse, see 8/A125.
9. Provide base flashing at existing metal flue, see 3/A125 (sim.).
10. Pre-finished metal parapet wall coping and flashing, see 2 & 3/A126.
11. Drill 2" Ø holes at 16" o.c. on each side of ridge. If existing holes meet this requirement and are close enough to the ridge to function with the new ridge vent, new holes are not required. Provide pre-finished metal ridge vent over secondary underlayment. Cut out underlayments at vent holes. See 1, 2, 3 & 4/A125.
12. Pre-finished sheet metal cap over existing sheet metal enclosure on wall below. Extend cap under shingles 8" and secure to top of new rain gutters at each end. Bend edge down over rain gutter with hemmed drip edge.
13. Provide pre-finished metal siding at wall between upper and lower roofs over new flashings and air barrier, see A/A126.
14. Retain and protect existing metal spire.
15. Provide flashing and surface-mount reglet against wall, see 9/A125.
16. Provide pre-finished, formed, sheet metal diverter with soldered joints. Diverter to extend up to top of parapet and under roofing 12" minimum.
17. Provide pre-finished metal siding at base of existing penthouse, all four sides, over new base flashing and air barrier.

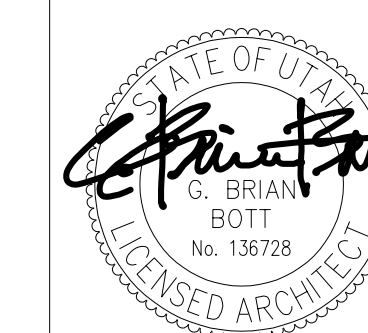
ELECTRICAL KEYED NOTES: ②

31. Existing junction box for heat cable located on building wall near downspout take-off from gutter. Provide new heat cable within gutter and downspout to grade. Size new heat cable system similar to existing and provide complete coverage within gutters and downspouts.
32. In addition to within gutter and downspout, provide heat cable on new roofing as indicated at this area.

GENERAL NOTES:

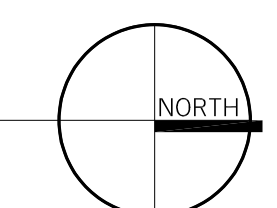
- A. Field verify all existing conditions and dimensions prior to bidding.
- B. Provide miscellaneous flashing and accessories required for a complete job. Provide new flashing on all roof penetrations. Verify quantities.
- C. All material and equipment shall be new except where noted otherwise.
- D. Take precautions to ensure compromised roofing is not left exposed to weather at the end of the workday, particularly when inclement weather is forecast. Any and all damage to interior finished and/or equipment as a result of roofing work left open or inadequately secured will be repaired or replaced at no cost to the Owner.
- E. Before installation of all new pipe jacks and flue flashings verify that flues and vents are properly strapped inside the building to prevent settlement or shifting into roof. Prior to completion of the work, Contractor shall verify that mechanical equipment venting has positive release flow to roof vent and flue is secured to original height and all connections are tight and secure.
- F. The existing free-standing on-site storage building will also be re-roofed as part of this project.
- G. Existing sheathing removal: sawcut and remove existing roof sheathing as required to facilitate seismic upgrade work. Extent and locations of sheathing removal may vary with Contractor's approach to upgrade work. Replace removed sheathing upon completion of seismic work with sheathing to match existing in thickness. Existing sheathing removed in good condition may be used for replacement.
- H. Paint exposed vent pipes, furnace air pipes, and flues to match shingle color.
- I. See structural for other work to be completed prior to new roofing.

NO.	DATE	DESCRIPTION

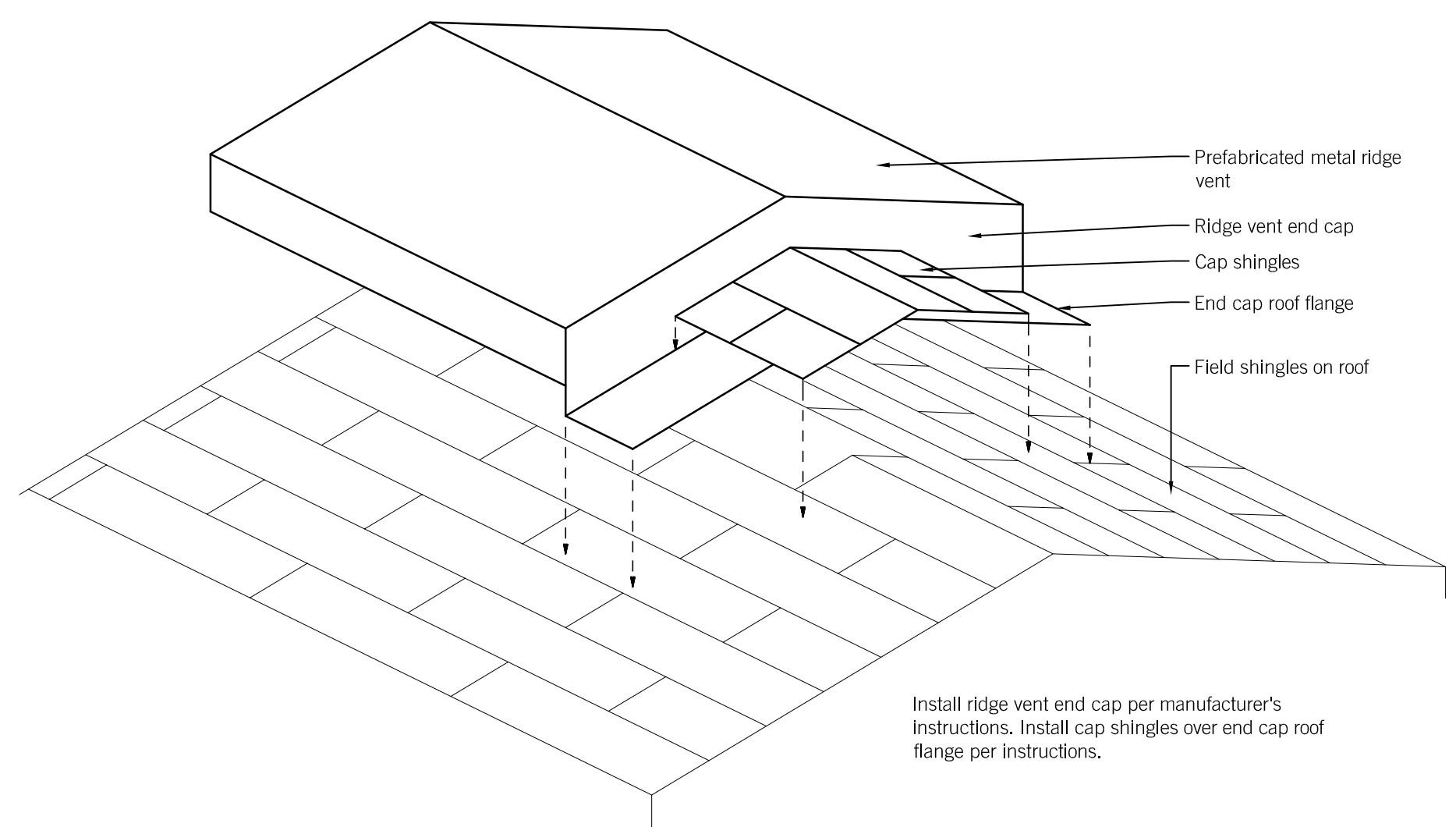


1/8" = 1'-0"
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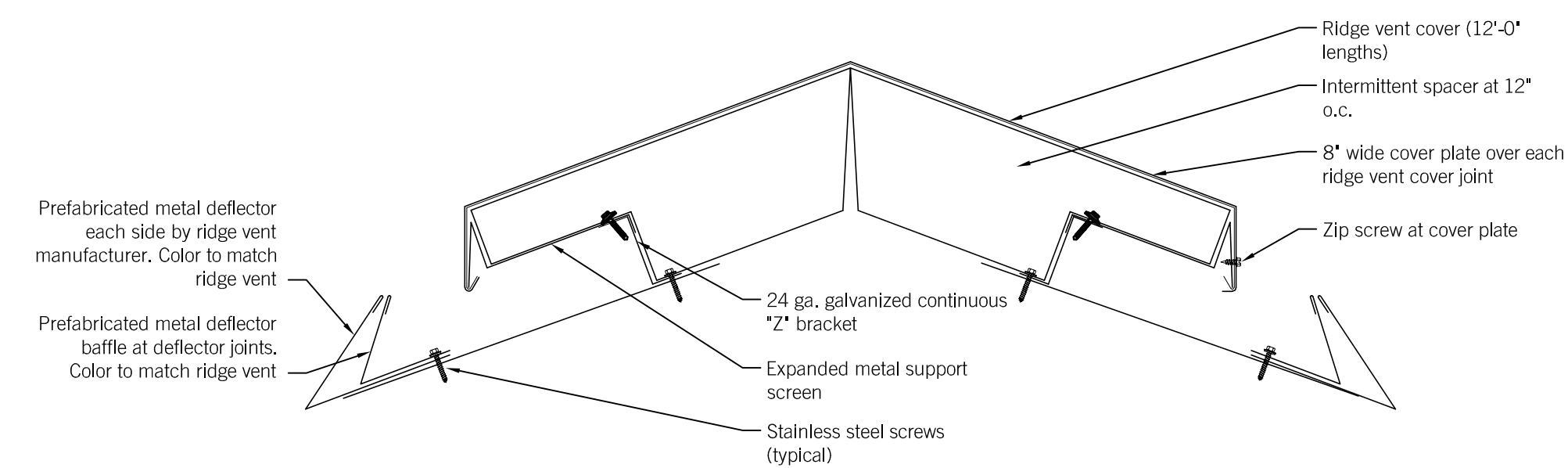


A121



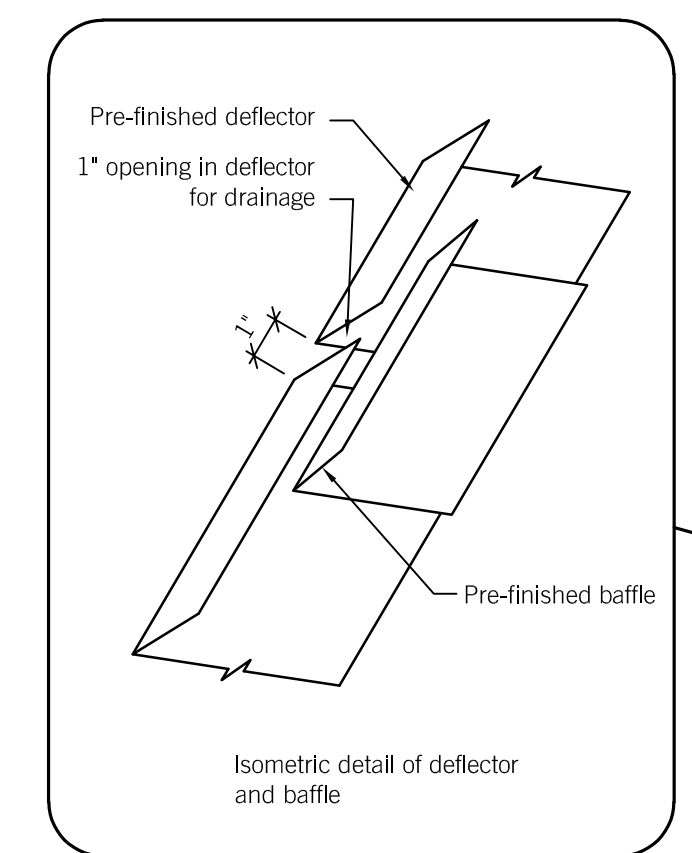
1 RIDGE VENT AND DETAIL

Scale: none

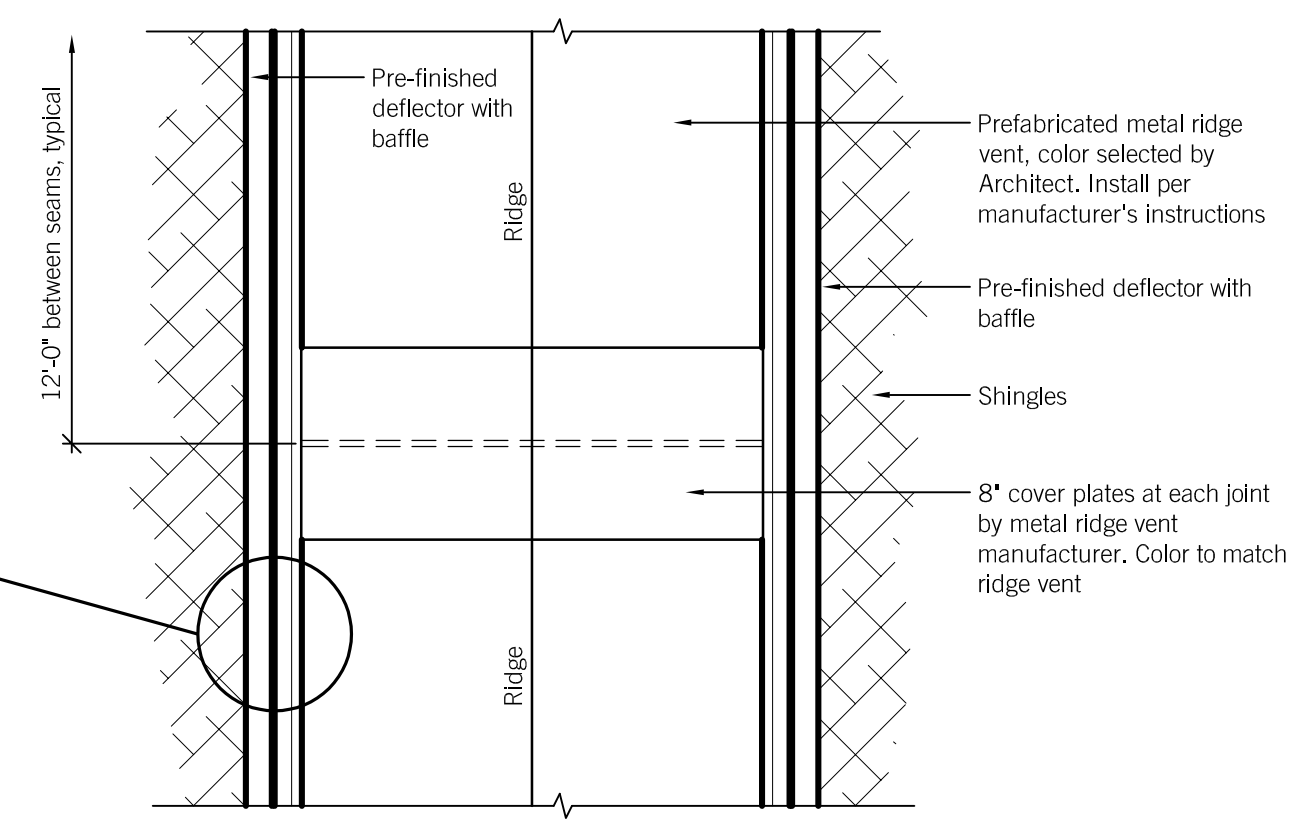


2 RIDGE VENT ENLARGED

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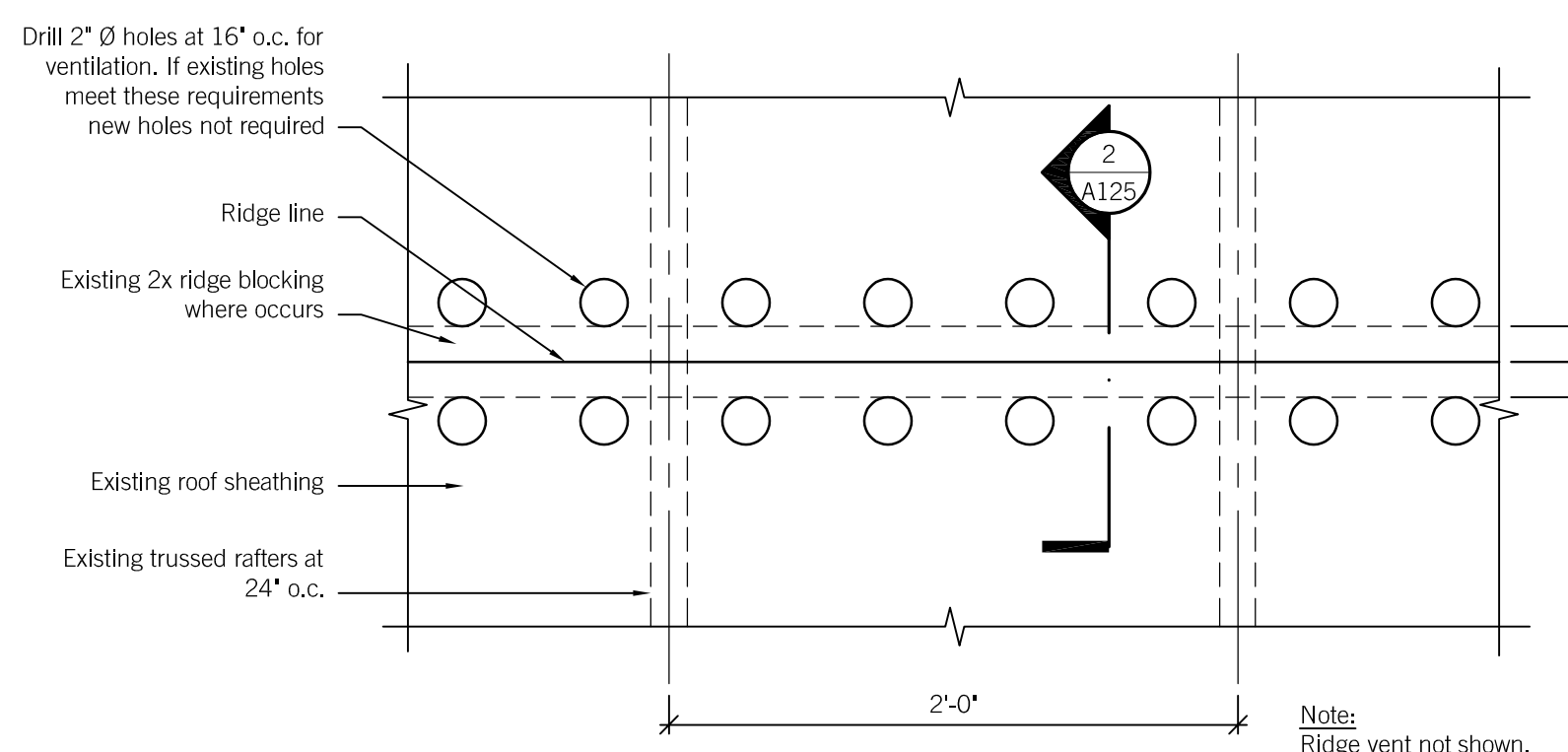


Isometric detail of deflector and baffle



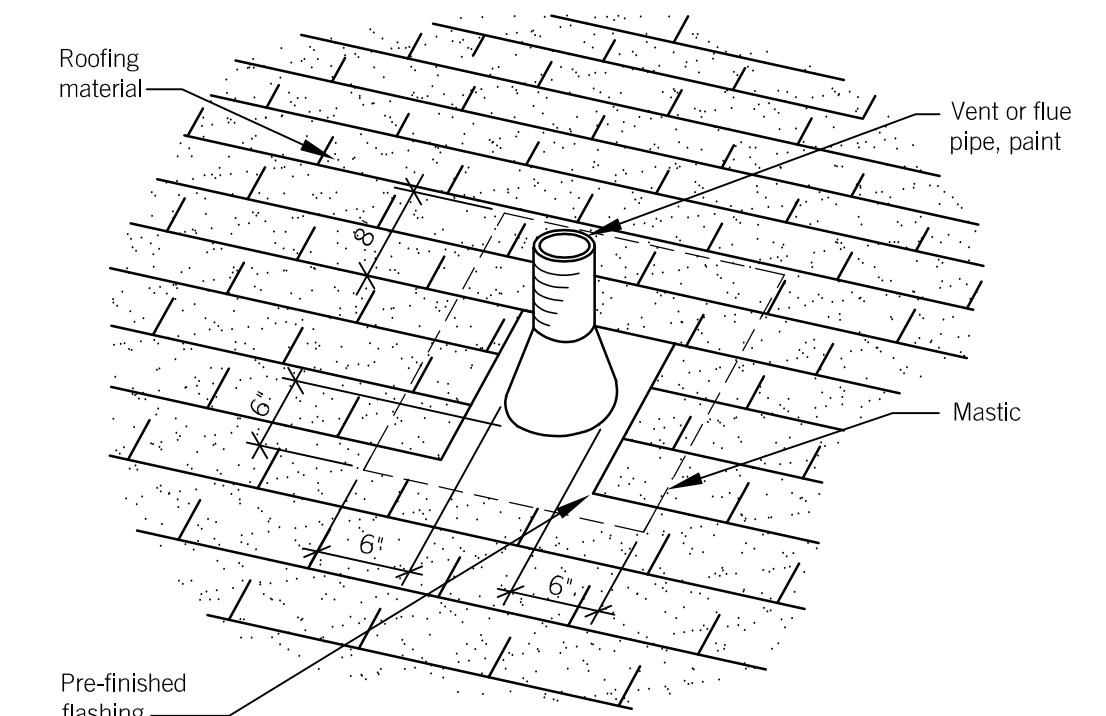
3 RIDGE CAP PLAN

Scale: 1 1/2" = 1'-0"



4 RIDGE PLAN (BELOW RIDGE CAP)

Scale: 1 1/2" = 1'-0"

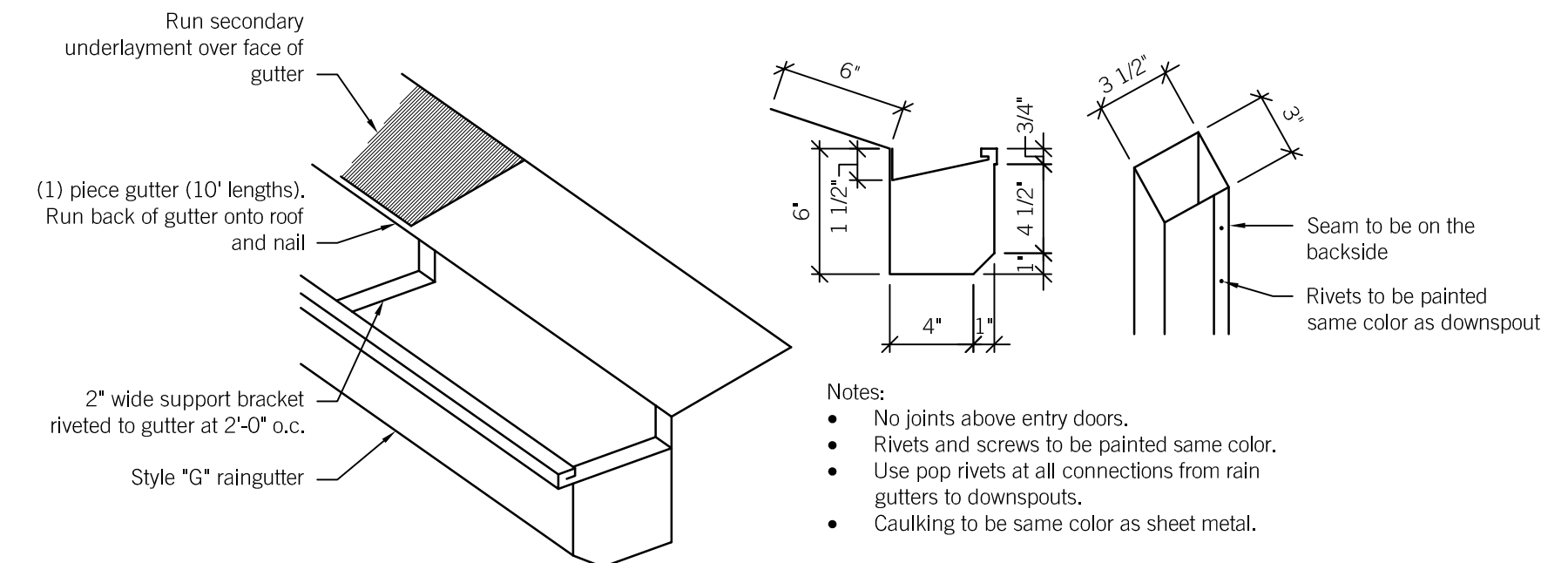


5 FLASHING DETAIL

Scale: 1/4" = 1'-0"

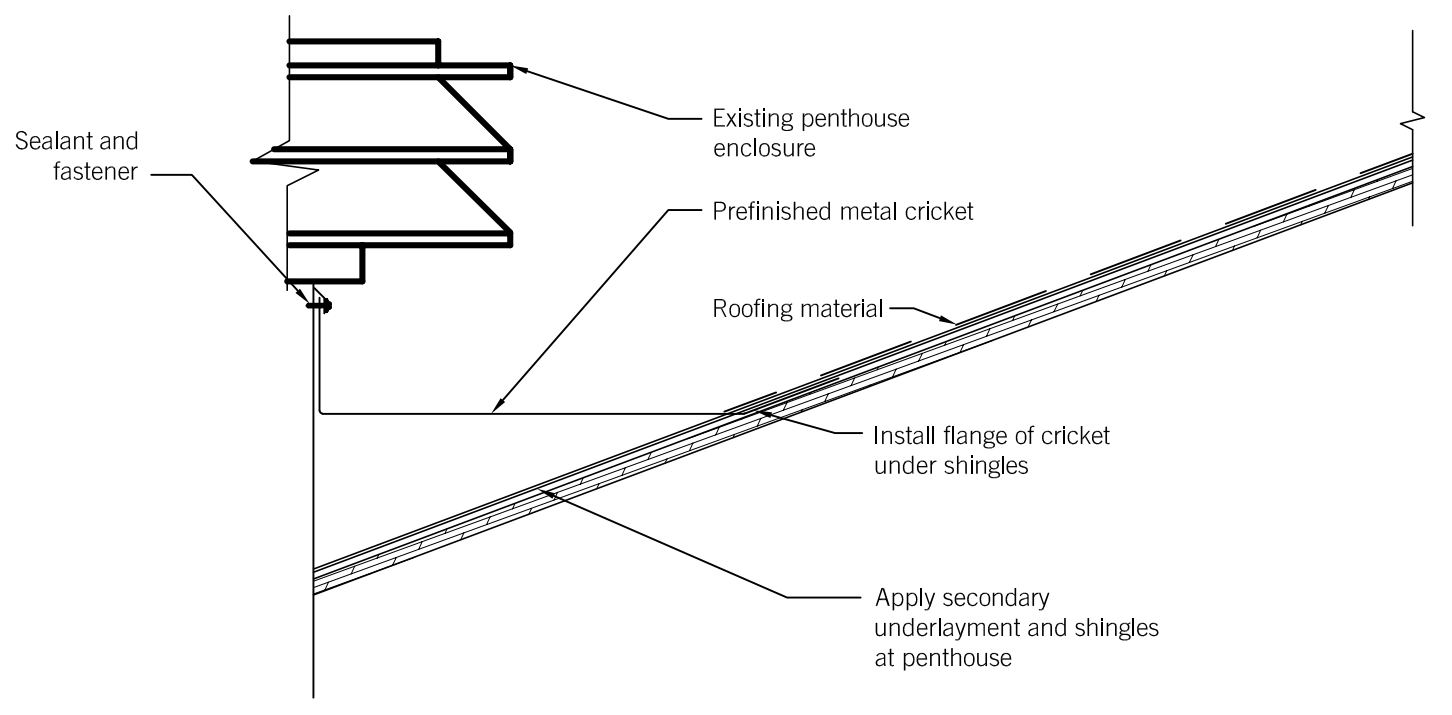
6 NOT USED

Scale: 1/4" = 1'-0"



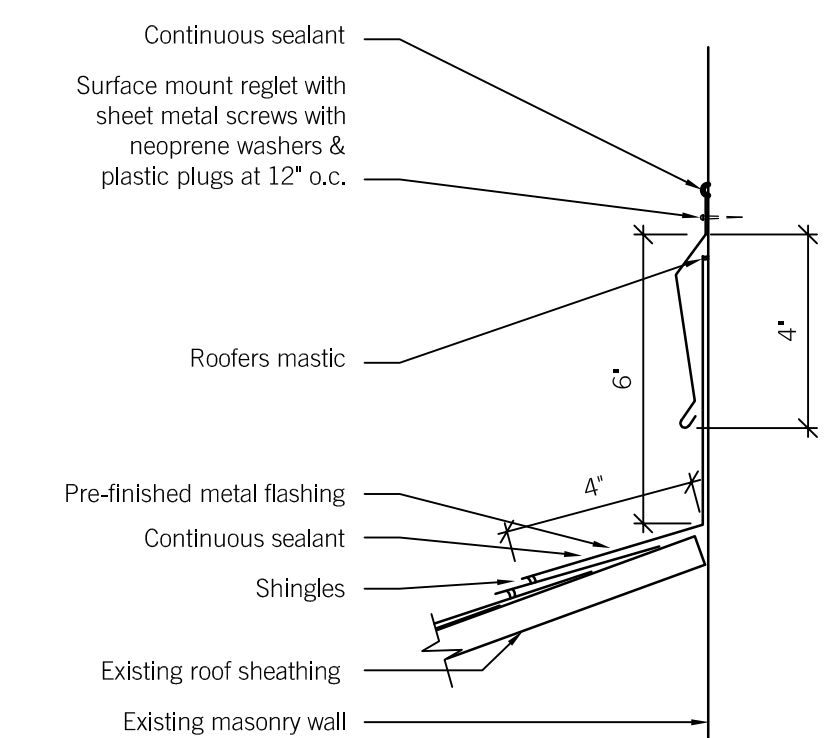
7 SLOPED ROOF RAINGUTTER AND DOWNSPOUT DETAIL

Scale: 1 1/2" = 1'-0"



8 ROOF PENTHOUSE DETAIL

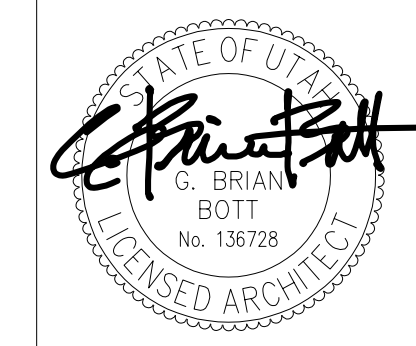
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9 REGLET DETAIL

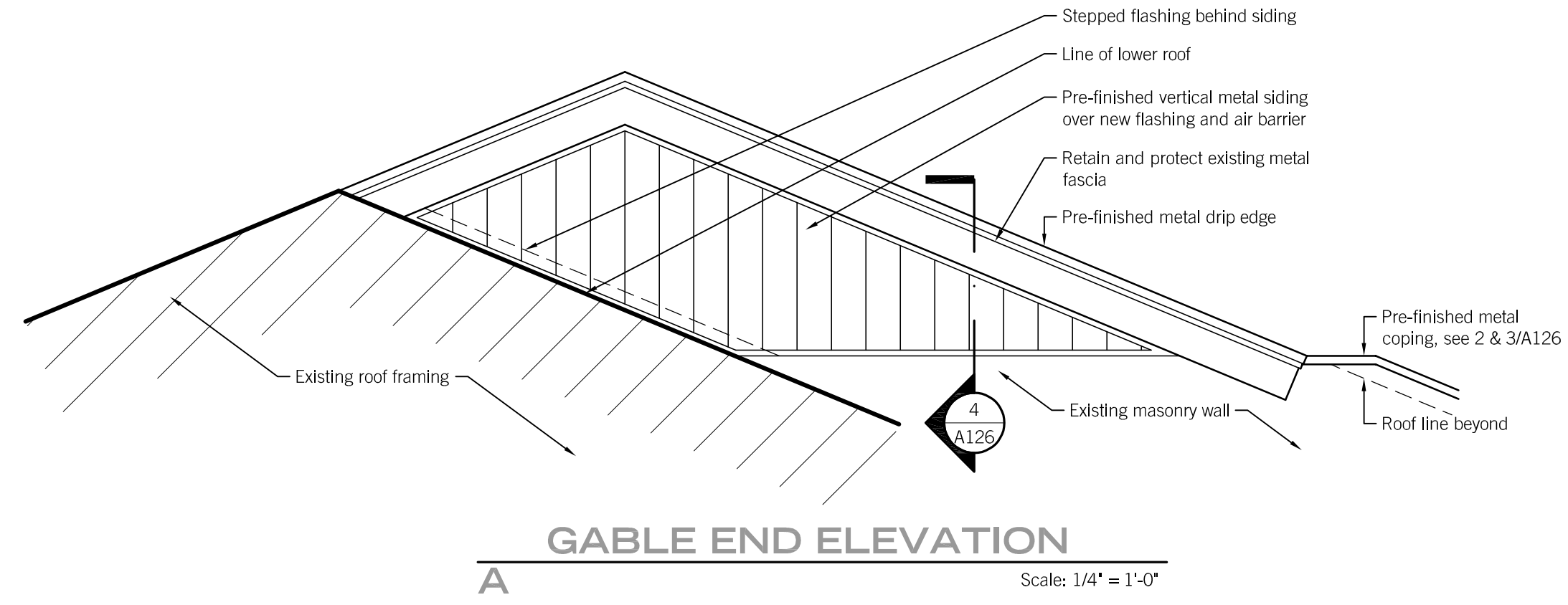
Scale: 3" = 1'-0"

ROOFING DETAILS

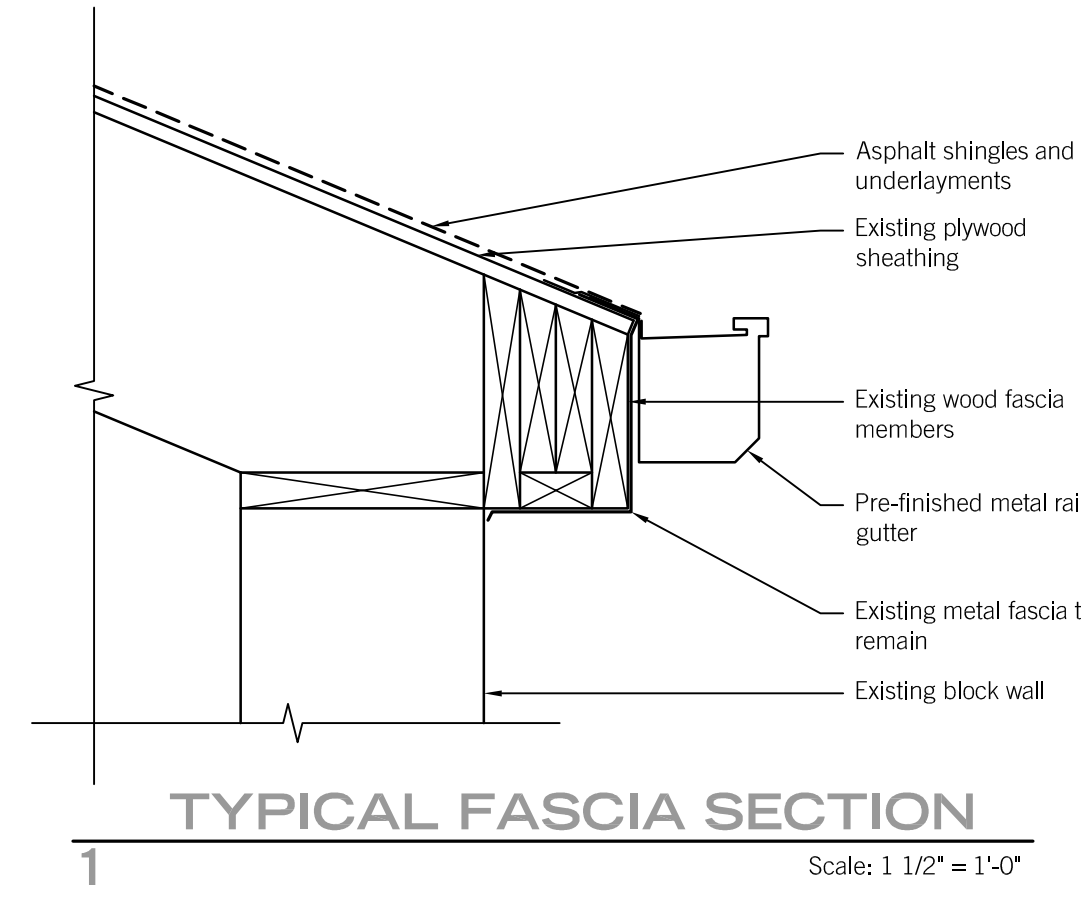


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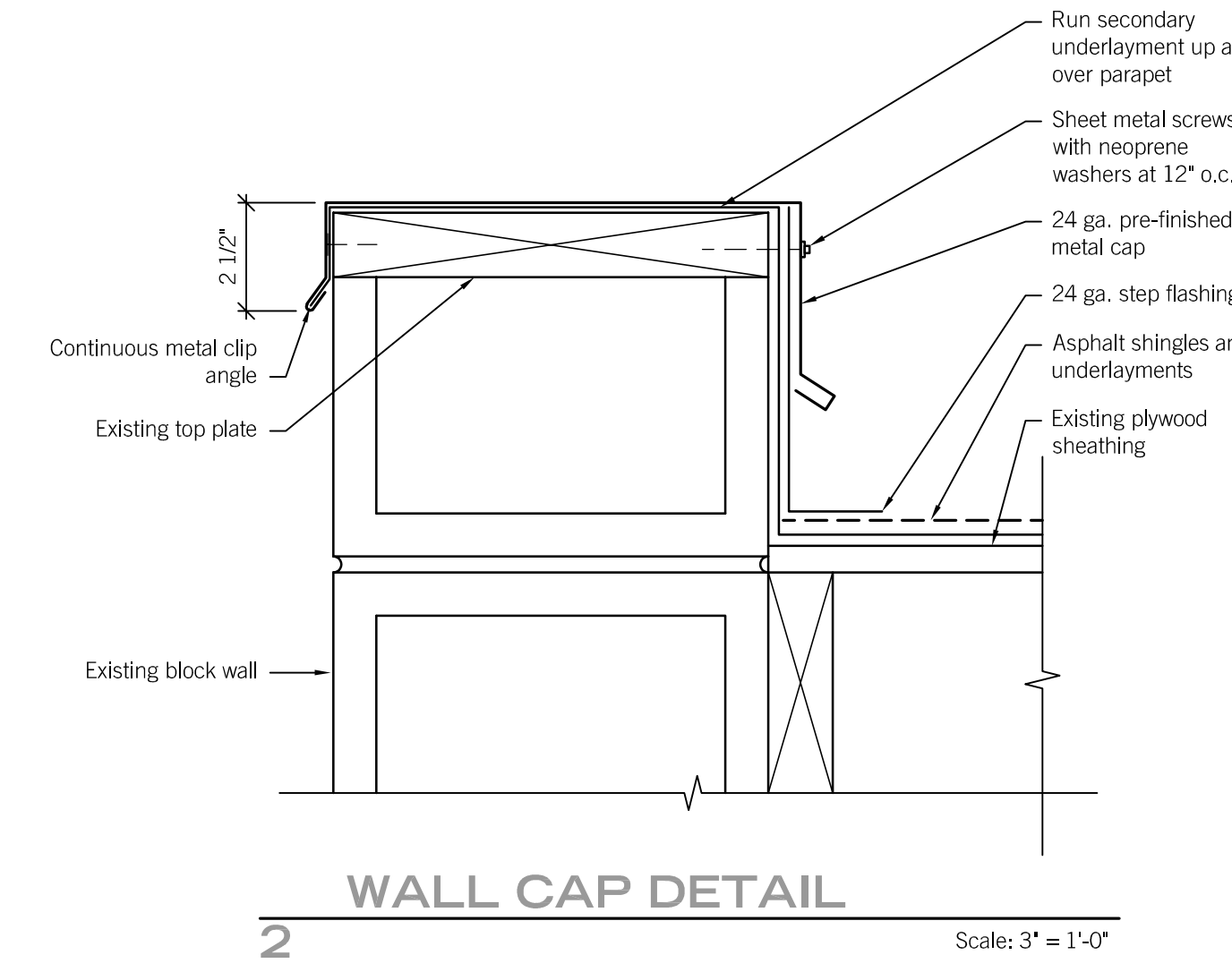
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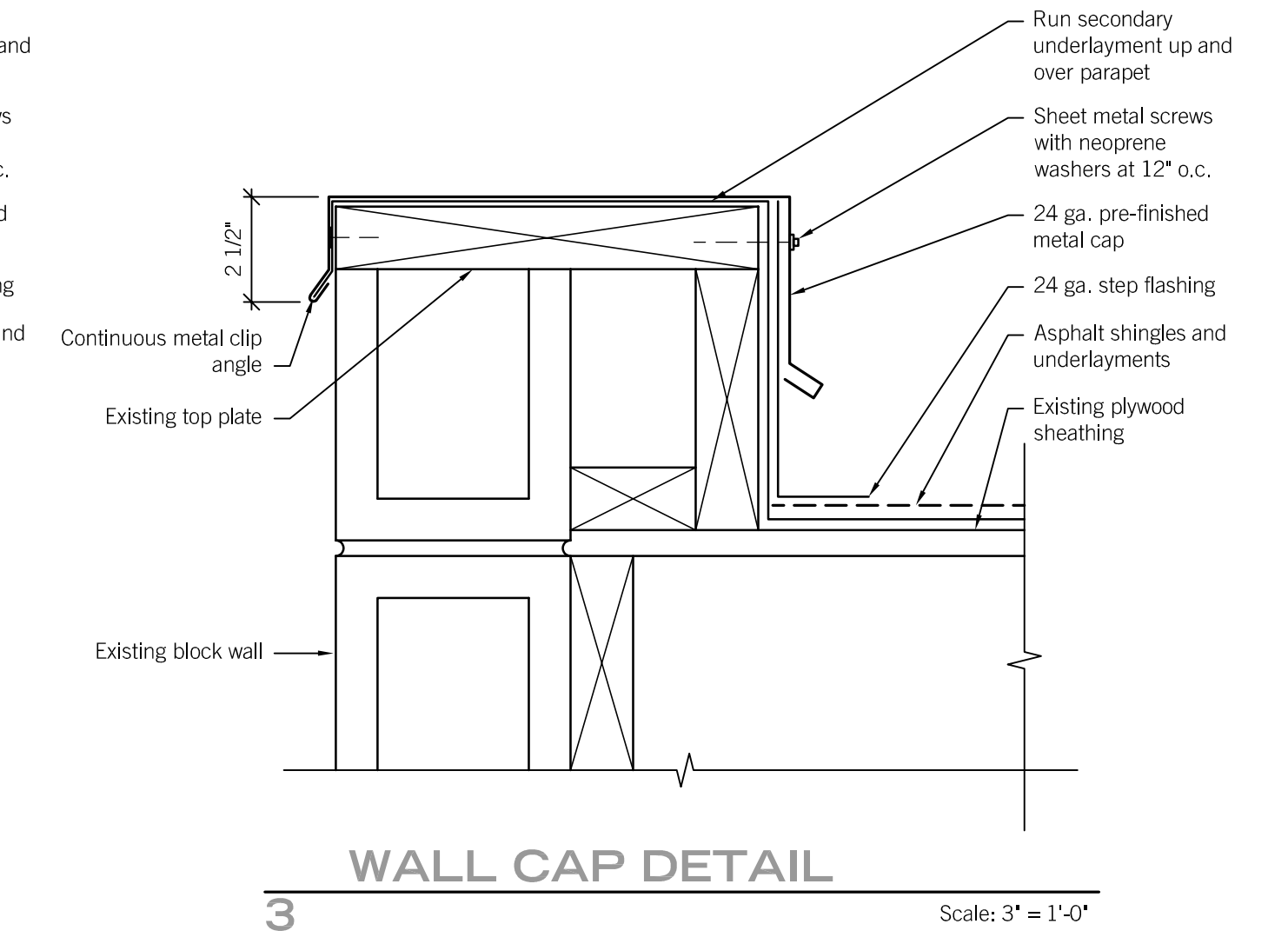
GABLE END ELEVATION
 A Scale: 1/4" = 1'-0"



TYPICAL FASCIA SECTION
 1 Scale: 1 1/2" = 1'-0"

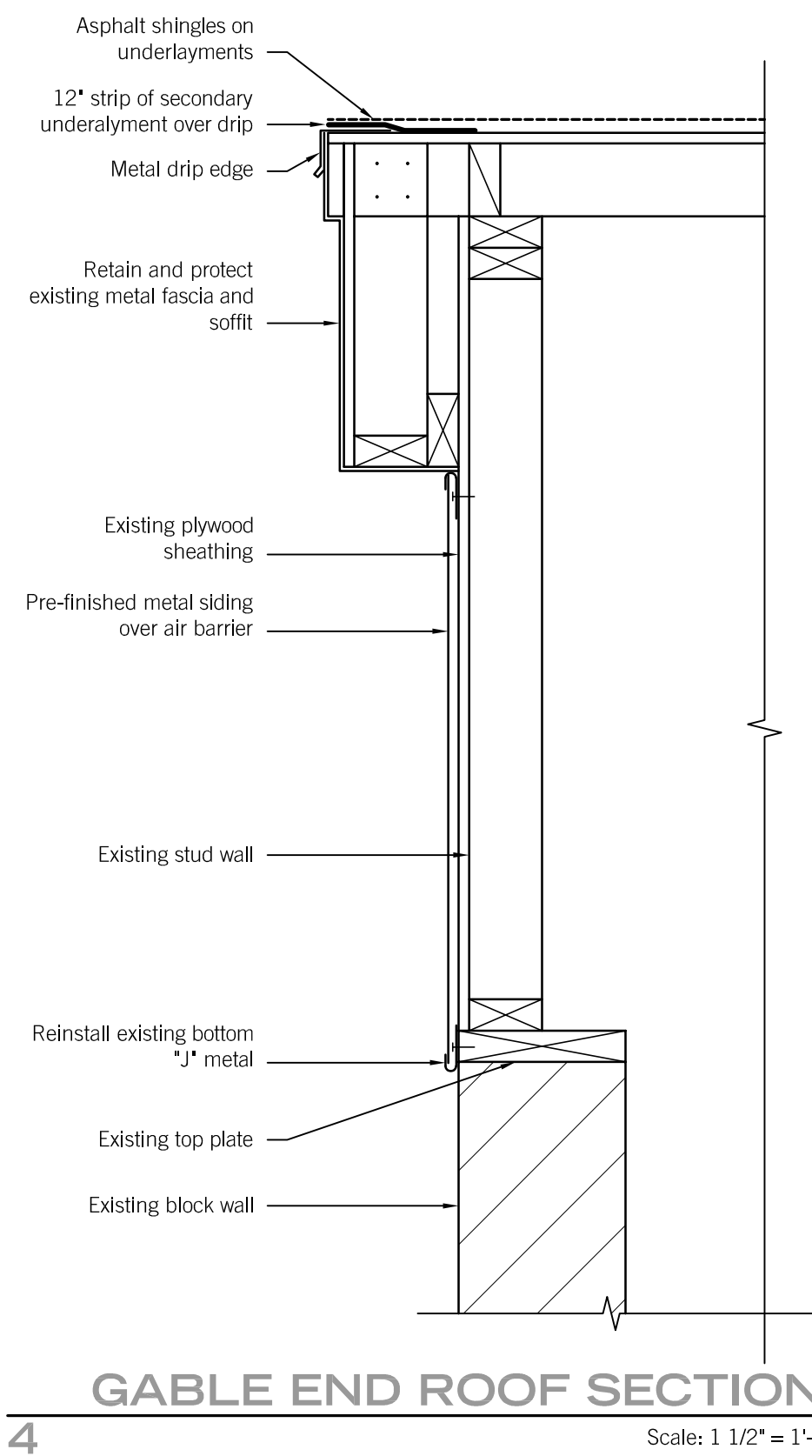


WALL CAP DETAIL
 2 Scale: 3" = 1'-0"

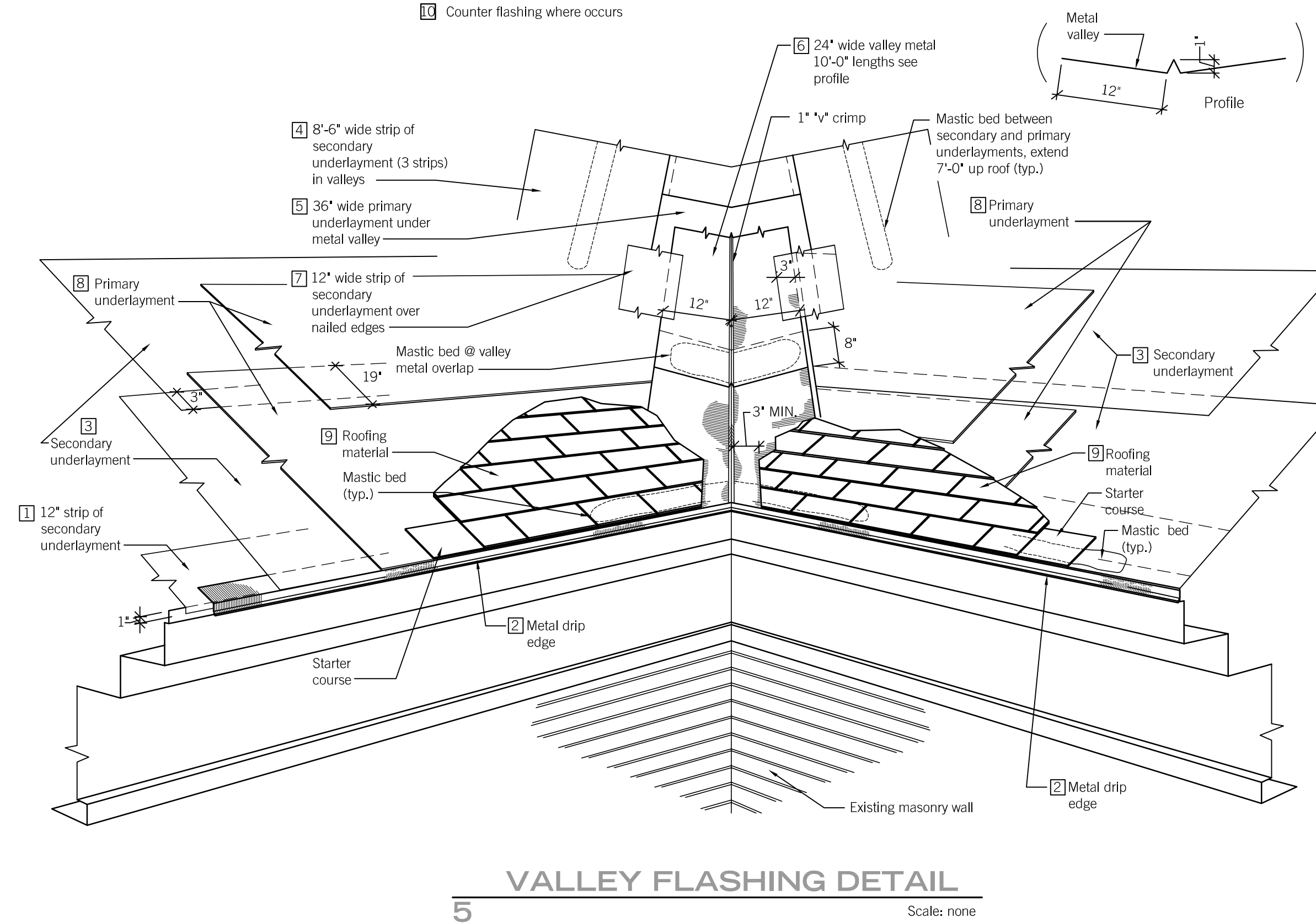


WALL CAP DETAIL
 3 Scale: 3" = 1'-0"

- SEQUENCE OF ROOFING MATERIALS**
- 1 12" strip of secondary underlayment at eave, down over fascia 1'
 - 2 Metal drip edge (rain gutter where occurs)
 - 3 General secondary underlayment (2 courses)
 - 4 Valley secondary underlayment and secondary underlayment at ridge vents
 - 5 Valley primary underlayment
 - 6 Valley metal
 - 7 12" strip of secondary underlayment over nailed valley edges
 - 8 Primary underlayment over entire roof
 - 9 Asphalt shingles, step flashings where occurs
 - 10 Counter flashing where occurs

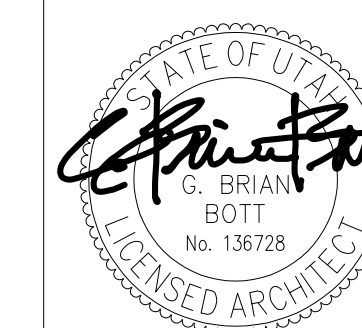


GABLE END ROOF SECTION
 4 Scale: 1 1/2" = 1'-0"



VALLEY FLASHING DETAIL
 5 Scale: none

ROOFING DETAILS



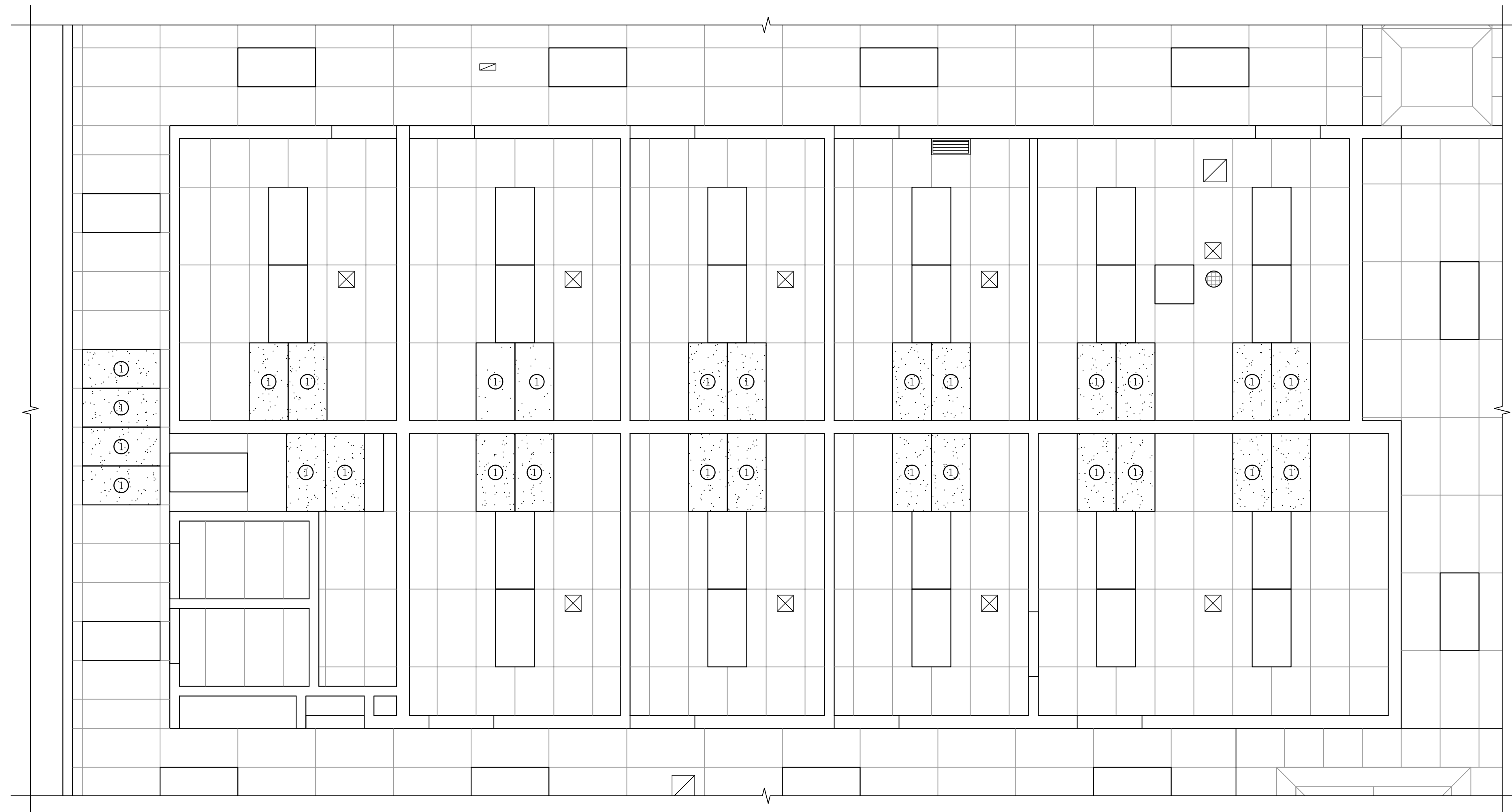
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BOTT PANTONE ARCHITECTS

333 24TH STREET
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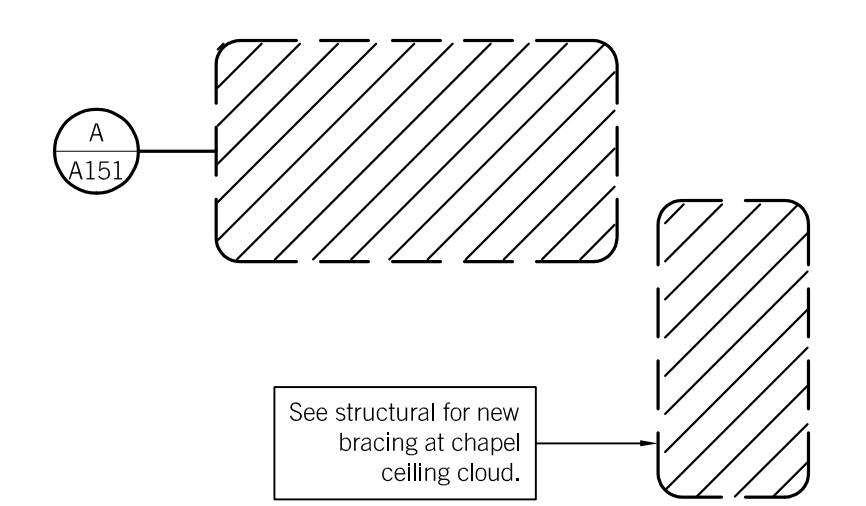


PARTIAL REFLECTED CEILING PLAN
A
Scale: 1/4" = 1'-0"

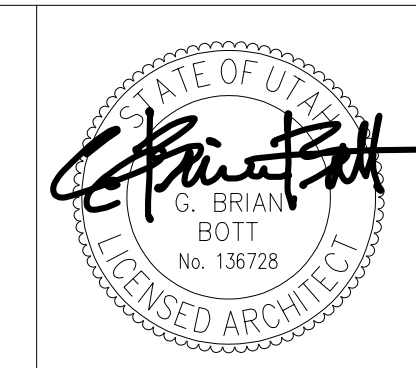
GENERAL NOTES:
A. Field verify existing conditions.

KEYED NOTES: ①
1. Remove existing lay-in plastic panel and provide acoustical panel to match existing. Cut to size where required.

KEY PLAN



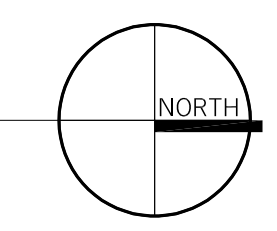
NO.	DATE	DESCRIPTION



REFLECTED CEILING PLAN

04.27.22
Project Number: 2112
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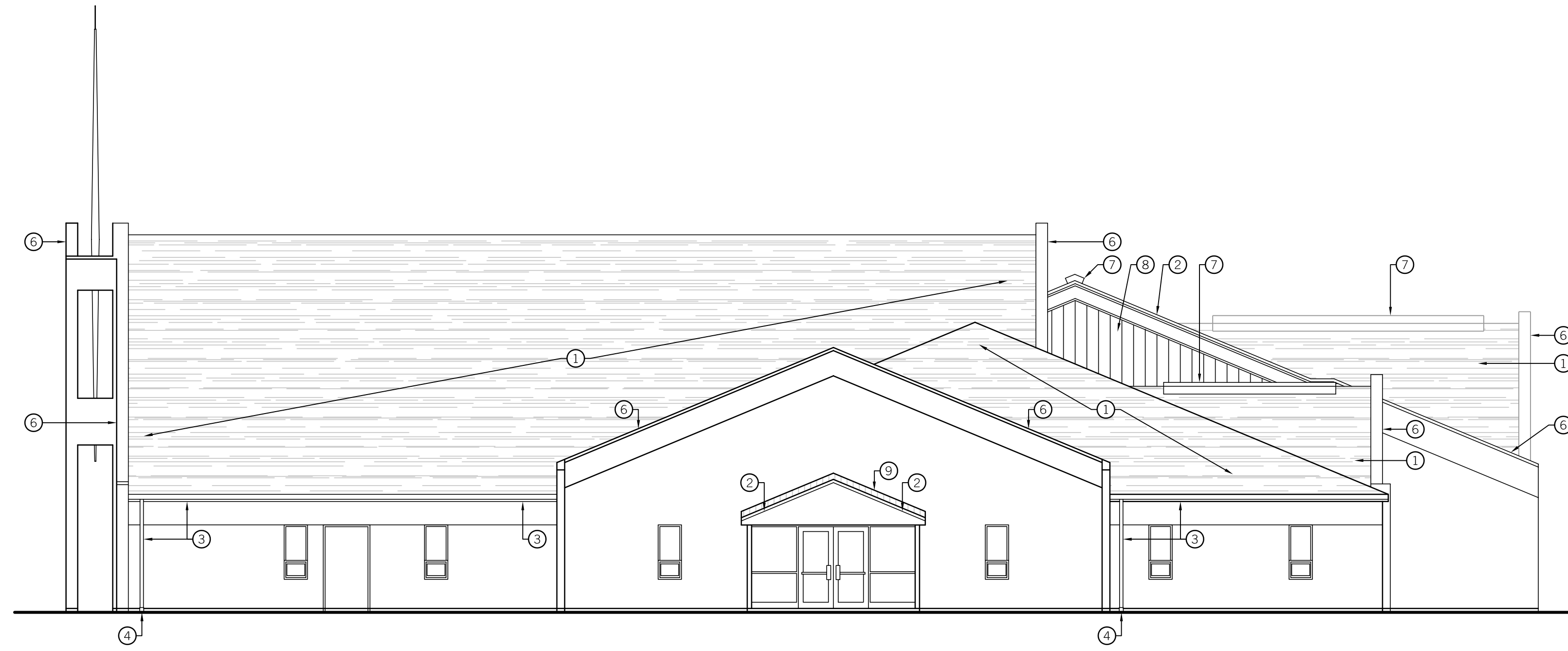
A151

GENERAL NOTES:

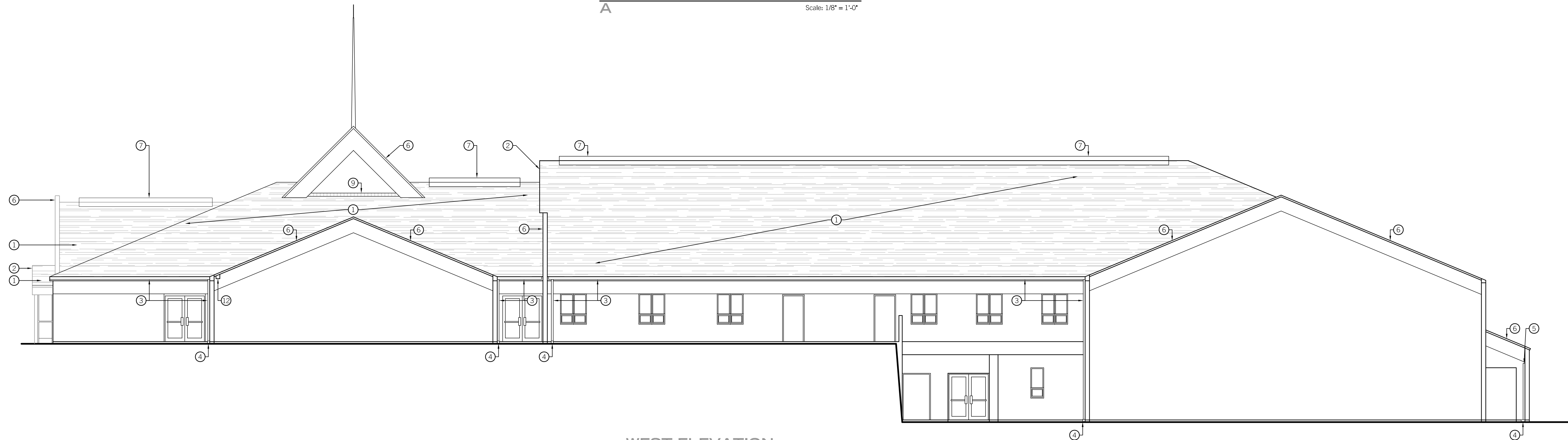
- A. Field verify existing conditions.
- B. Provide miscellaneous demolition required for new construction, whether specifically called out or not. See engineering sheets for additional notes on demolition.
- C. See roof plan sheet A121 for roof penetrations and flashing requirements.
- D. Paint roof penetrations to match roofing color.
- E. See roof plan sheet A121 for heat cable requirements.

KEYED NOTES: ④

- 1. Asphalt shingles on primary and secondary underlayments. Provide 2 courses of secondary underlayment at eaves and rakes, and one 36" course centered over ridge where new ridge vent to be installed.
- 2. Pre-finished metal drip edge.
- 3. Pre-finished metal rain gutter and downspout as shown, see 7/A125.
- 4. Connect new downspout to existing storm drain pipe riser at grade or angle downspout to discharge into existing storm drain pipe as required by location. Also, reattach existing grounding cable where occurs.
- 5. Seal between downspout and masonry at downspout penetration.
- 6. Pre-finished metal parapet wall coping and flashing, see 2 & 3/A126.
- 7. Pre-finished metal ridge vent, see 1, 2, 3 & 4/A125.
- 8. Pre-finished metal siding over new flashing and air barrier, see A/A126.
- 9. Pre-finished flashing and surface-mount reglet, see 9/A125.
- 10. Pre-finished sheet metal cap over existing sheet metal enclosure on wall below. Extend cap under shingles 8" and secure to top of new rain gutters at each end. Bend edge down over rain gutter with hemmed drip edge.
- 11. Retain and protect existing sheet metal cover at wall.
- 12. Reinstall existing weather sensor on parapet upon completion of roofing work.



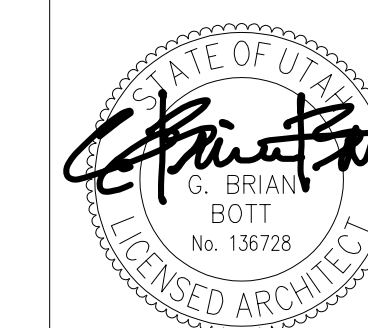
NORTH ELEVATION
 A Scale: 1/8" = 1'-0"



WEST ELEVATION
 B Scale: 1/8" = 1'-0"

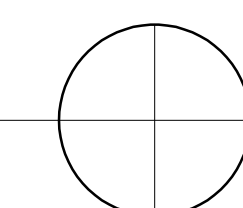
NO.	DATE	DESCRIPTION

EXTERIOR ELEVATIONS



1/8" = 1'-0"
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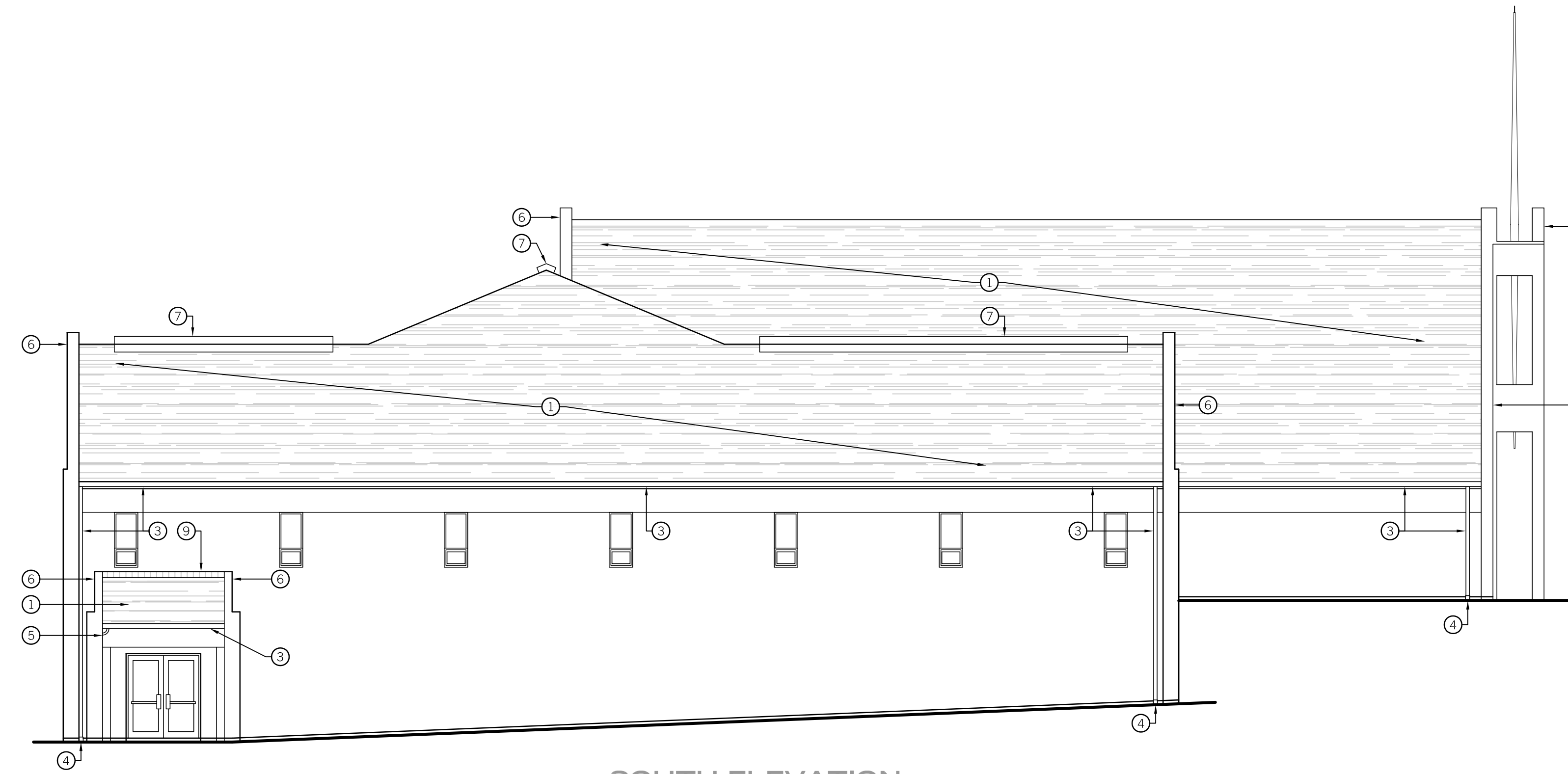


GENERAL NOTES:

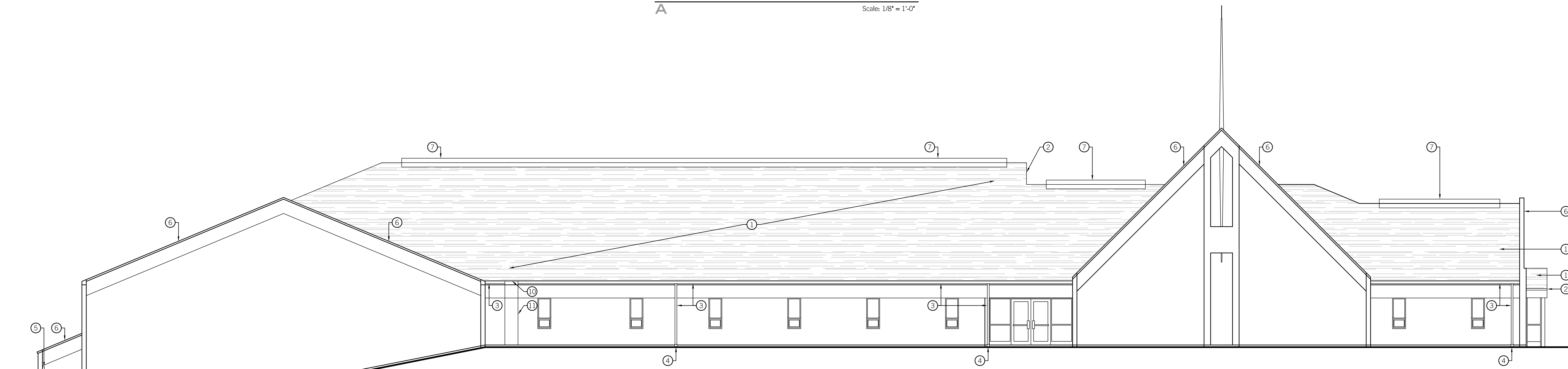
- A. Field verify existing conditions.
- B. Provide miscellaneous demolition required for new construction, whether specifically called out or not. See engineering sheets for additional notes on demolition.
- C. See roof plan sheet A121 for roof penetrations and flashing requirements.
- D. Paint roof penetrations to match roofing color.
- E. See roof plan sheet A121 for heat cable requirements.

KEYED NOTES: ①

- 1. Asphalt shingles on primary and secondary underlayments. Provide 2 courses of secondary underlayment at eaves and rakes, and one 36" course centered over ridge where new ridge vent to be installed.
- 2. Pre-finished metal drip edge.
- 3. Pre-finished metal rain gutter and downspout as shown, see 7/A125.
- 4. Connect new downspout to existing storm drain pipe riser at grade or angle downspout to discharge into existing storm drain pipe as required by location. Also, reattach existing grounding cable where occurs.
- 5. Seal between downspout and masonry at downspout penetration.
- 6. Pre-finished metal parapet wall coping and flashing, see 2 & 3/A126.
- 7. Pre-finished metal ridge vent, see 1, 2, 3 & 4/A125.
- 8. Pre-finished metal siding over new flashing and air barrier, see A/A126.
- 9. Pre-finished flashing and surface-mount reglet, see 9/A125.
- 10. Pre-finished sheet metal cap over existing sheet metal enclosure on wall below. Extend cap under shingles 8" and secure to top of new rain gutters at each end. Bend edge down over rain gutter with hemmed drip edge.
- 11. Retain and protect existing sheet metal cover at wall.
- 12. Reinstall existing weather sensor on parapet upon completion of roofing work.



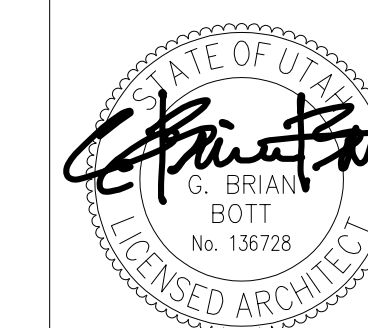
SOUTH ELEVATION
 A Scale: 1/8" = 1'-0"



EAST ELEVATION
 B Scale: 1/8" = 1'-0"

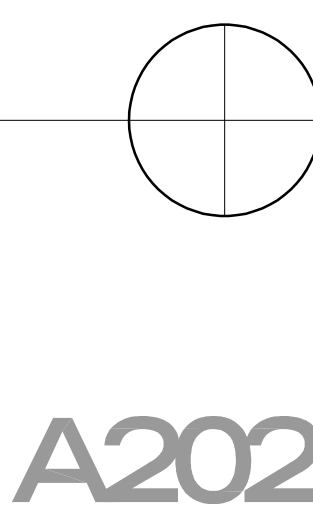
NO.	DATE	DESCRIPTION

EXTERIOR ELEVATIONS



1/8" = 1'-0"
 04.27.22
 Project Number: 2112
 Property Number: 512-7173

SOUTH OGDEN 7, 8 REROOF
 720 NANCY DRIVE
 SOUTH OGDEN, UTAH 84403



STRUCTURAL NOTES :

A. GENERAL

1. THE STRUCTURAL NOTES ARE INTENDED TO COMPLEMENT THE PROJECT SPECIFICATIONS WHICH ARE PART OF THE CONSTRUCTION DOCUMENTS. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS SHALL GOVERN OVER THE STRUCTURAL NOTES AND TYPICAL DETAILS.
 2. THESE DRAWINGS (AND, WHERE APPLICABLE, ACCOMPANYING WRITTEN SPECIFICATIONS) ARE THE ONLY CONTRACT DOCUMENTS PROVIDED BY ARW ENGINEERS FOR THE PROJECT REPRESENTED HEREIN. NOTHING IN ANY DIGITAL MODEL OR DIGITAL FILE RELATED TO THIS PROJECT SHALL BE TAKEN TO SUPERSEDE ANY INFORMATION SHOWN IN THESE DRAWINGS (INCLUDING, BUT NOT LIMITED TO DIMENSIONS, SIZES, ETC.).
 3. THE ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. THE STRUCTURAL DRAWINGS ARE SUPPLEMENTARY TO AND MUST BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND OTHER CONSULTANTS DRAWINGS. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN CASE OF CONFLICT, FOLLOW THE MOST STRINGENT REQUIREMENT AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
 4. SEE SPECIFICATIONS FOR REQUIRED SUBMITTALS. SUBMITTALS SHALL BE MADE IN A TIMELY MANNER AS INDICATED IN SPECIFICATIONS. REVIEW OF SUBMITTALS BY ARW ENGINEERS IS FOR GENERAL COMPLIANCE ONLY AND IS NOT INTENDED AS APPROVAL. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SIZES, DIMENSIONS, AND ELEVATIONS ON SUBMITTALS AS RELATED TO DESIGN DOCUMENTS. PREPARATION OF SHOP DRAWINGS FOR STRUCTURAL ELEMENTS WILL REQUIRE INFORMATION (I.E. DIMENSIONS, ETC.) FOUND IN THE ARCHITECTURAL, STRUCTURAL, AND OTHER CONSULTANTS DRAWINGS.
 5. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE. IF ACTUAL CONDITIONS DIFFER FROM THOSE SHOWN ON CONTRACT DOCUMENTS, CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO FABRICATION OR CONSTRUCTION OF ANY AFFECTED ELEMENTS.
 6. THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL LOCATIONS AND SIZES OF MECHANICAL EQUIPMENT OR OTHER EQUIPMENT BEFORE FABRICATING AND ERECTING STRUCTURAL ELEMENTS. SIZES AND LOCATIONS THAT DIFFER FROM THOSE SHOWN ON THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT.
 7. THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST TO THE ARCHITECT FOR ARCHITECT AND/OR ENGINEER APPROVAL BEFORE PROCEEDING WITH ANY CHANGES, MODIFICATIONS, OR SUBSTITUTIONS.
 8. OBSERVATION VISITS TO THE SITE BY ARW ENGINEERS FIELD REPRESENTATIVES SHALL NEITHER BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.
 9. DURING AND AFTER CONSTRUCTION, BUILDER AND/OR OWNER SHALL KEEP LOADS ON STRUCTURE WITHIN THE LIMITS OF DESIGN LOADS AS NOTED IN THESE DOCUMENTS.
 10. TYPICAL OR SIMILAR DETAILS AND SECTIONS SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN. TYPICAL OR SIMILAR DETAILS REFER TO THE CONDITION ADDRESSED AND ARE NOT NECESSARILY DETAILS LABELED "TYPICAL" OR "SIMILAR" IN THE PLANS AND DOCUMENTS.
 11. DRAWINGS AND DETAILS HAVE BEEN PREPARED WITH THE INTENT TO VISUALLY REPRESENT INFORMATION PROVIDED IN SCALED FORM; HOWEVER CONTRACTOR/SUPPLIERS SHOULD NOT SCALE PLANS OR DETAILS FOR DIMENSIONAL INFORMATION.
 12. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SHORING AND BRACING FOR ALL STRUCTURAL ELEMENTS UNTIL THE ENTIRE STRUCTURAL SYSTEM IS COMPLETED. DESIGN OF ALL SHORING AND BRACING IS BY OTHERS AT NO ADDITIONAL COST TO THE OWNER.
 13. ENGINEER SHALL NOT BE RESPONSIBLE FOR ACTIVITIES UNDER CONTROL OF THE CONTRACTOR SUCH AS CONSTRUCTION SITE SAFETY, MEANS, METHODS AND SEQUENCING OF CONSTRUCTION. ENGINEER SHALL NOT BE RESPONSIBLE FOR FABRICATION, ERECTION AND CONSTRUCTION REQUIREMENTS AS PRESCRIBED BY OSHA OR OTHER REGULATORY AGENCIES REGARDLESS OF INDICATIONS IN THESE DOCUMENTS.
 14. NOTICE OF COPYRIGHT: THESE STRUCTURAL DRAWINGS ARE HEREBY COPYRIGHTED BY ARW ENGINEERS. ALL RIGHTS RESERVED. THESE DOCUMENTS DEFINE A STRUCTURE AND ARE INSTRUMENTS OF SERVICE. FOR ONE USE ONLY. REPRODUCTION AND DISTRIBUTION OF THESE DRAWINGS IS ONLY ALLOWED AS REQUIRED FOR REGULATORY AGENCIES AND FOR CONVEYANCE OF INFORMATION TO PARTIES INVOLVED IN THE CONSTRUCTION OF THIS PROJECT. THESE DOCUMENTS SHALL NOT BE REPRODUCED OR COPIED, IN PART OR WHOLE BY ANY PARTY FOR USE IN PREPARATION OF SHOP DRAWINGS OR OTHER SUBMITTALS.
 15. WHERE THE WORD "SHALL" OCCURS IN THESE DRAWINGS AND ANY ACCOMPANYING SPECIFICATIONS, IT IS CONSIDERED A MANDATORY OBLIGATION AND SYNONYMOUS WITH THE PHRASE "HAS DUTY TO".
- B. STATEMENT OF SPECIAL INSPECTIONS AND SPECIAL INSPECTIONS**
1. THE DESIGNATED SEISMIC/WIND SYSTEMS AND SEISMIC/WIND-FORCE-RESISTING SYSTEMS THAT ARE SUBJECT TO SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.11 AND 1705.12 ARE IDENTIFIED ON THESE DOCUMENTS WITH A CIRCLE "L". ALL OTHER ITEMS REQUIRING SPECIAL INSPECTION ARE IDENTIFIED IN THE SPECIAL INSPECTION SCHEDULE ON SHEET X.XX.
 2. SPECIAL INSPECTIONS AND TESTING ARE TO BE PROVIDED AS REQUIRED BY IBC SECTIONS 1704 THROUGH 1705 AND OTHER APPLICABLE SECTIONS OF THE IBC. THE TYPE AND FREQUENCY OF TESTING AND SPECIAL INSPECTIONS SHALL BE AS NOTED IN THE SPECIAL INSPECTION SCHEDULE, JOB SPECIFICATIONS, AND ACCORDANCE WITH IBC SECTION 110 AND CHAPTER 17. CONTRACTOR SHALL COORDINATE AND COOPERATE WITH REQUIRED INSPECTIONS.
 3. ALL TESTING AND SPECIAL INSPECTION SHALL BE PROVIDED BY A QUALIFIED INDEPENDENT SPECIAL INSPECTION AGENCY IN ACCORDANCE WITH IBC 1704 AND AS OUTLINED IN THE JOB SPECIFICATIONS. REPORTS OF FINDINGS OR DISCREPANCIES SHALL BE NOTED AND FORWARDED TO THE CONTRACTOR, ARCHITECT, ENGINEERS, AND BUILDING OFFICIAL IN A TIMELY MANNER.
 4. STRUCTURAL OBSERVATION VISITS SHALL BE PERFORMED BY A REPRESENTATIVE FROM ARW ENGINEERS IN ACCORDANCE WITH THE CONTRACT AS NEEDED TO OBSERVE THE CONSTRUCTION OF CRITICAL BUILDING ELEMENTS (I.E. FOOTINGS, BRACED FRAMES, MOMENT FRAMES, DRAG STRUTS AND THEIR CONNECTIONS, COLLECTORS, AND ROOF AND FLOOR DIAPHRAGMS). STRUCTURAL OBSERVATION REPORTS FOR EACH VISIT SHALL BE SENT DIRECTLY TO THE ARCHITECT FOR DISTRIBUTION TO THE CONTRACTOR AND BUILDING OFFICIAL. STRUCTURAL OBSERVATION VISITS SHALL NEITHER BE CONSTRUED AS SPECIAL INSPECTION NOR APPROVAL OF COMPLETED CONSTRUCTION.
 5. IN ACCORDANCE WITH IBC 1704.4, THE CONTRACTOR SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER. THE STATEMENT SHALL BE SUBMITTED PRIOR TO THE CONSTRUCTION OF ANY SEISMIC/WIND-FORCE-RESISTING SYSTEM DESIGNATED SEISMIC/WIND SYSTEM, OR COMPONENT IDENTIFIED IN THESE DOCUMENTS WITH A CIRCLE "L".

C. BASIS OF DESIGN

1. GOVERNING BUILDING CODE : INTERNATIONAL BUILDING CODE (IBC) 2018 & ASCE 41-17
RISK CATEGORY : III
2. ROOF LOADS
 - a. FLAT-ROOF SNOW LOAD, P_f : 34 PSF
 1. GROUND SNOW LOAD, P_g : 43 PSF
 2. SNOW EXPOSURE FACTOR, C_e : 1.0
 3. SNOW LOAD IMPORTANCE FACTOR, I_s : 1.10
 4. THERMAL FACTOR, C_t : 1.0
 5. SLOPE FACTOR, C_s : 1.0
 6. SNOW DRIFT : SHOWN ON PLANS WHERE APPLICABLE.
 - b. LIVE LOAD = 20 PSF
 - c. DEAD LOAD = 25 PSF
3. WIND DESIGN
 - a. BASIC WIND SPEED (3 SECOND GUST) : 109 MPH
 - b. WIND EXPOSURE : C
 - c. INTERNAL PRESSURE COEFFICIENT, G_{CPI} : 0.18
 - d. COMPONENT AND CLADDING DESIGN WIND PRESSURE SHALL BE AS REQUIRED PER ASCE 7-16.
4. SEISMIC DESIGN :
 - a. SEISMIC IMPORTANCE FACTOR, I_e : 1.0
 - b. SITE CLASS : D
 - c. MAPPED SPECTRAL RESPONSE ACCELERATIONS : $S_s = 1.359$, $S_1 = 0.494$
 - d. SEISMIC DESIGN CATEGORY : D
 - e. BASIC SEISMIC-FORCE-RESISTING SYSTEM : SPECIAL REINFORCED MASONRY SHEAR WALL
 - f. ANALYSIS PROCEDURE : PSEUDO LATERAL FORCE (STATIC)

D. ADHESIVE/MECHANICAL ANCHORS

1. WITHOUT WRITTEN APPROVAL OF THE ENGINEER, CONTRACTOR SHALL NOT SUBSTITUTE POST-INSTALLED ANCHORS WHERE CAST-IN-PLACE ANCHORS ARE SPECIFIED IN THE DRAWINGS.
2. WHERE STRUCTURAL DETAILS SPECIFY SPECIFIC BRANDS AND/OR TYPES OF ADHESIVES OR ANCHORS, SUBSTITUTIONS OF OTHER BRANDS AND/OR TYPES IS NOT ALLOWED, WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
3. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. SUBSTITUTION REQUESTS SHALL INCLUDE AN ICC ESR OR IP/MO REPORT AND SUPPORTING CALCULATIONS INDICATING COMPLIANCE WITH DESIGN INTENT.
4. ALL ADHESIVE/MECHANICAL ANCHORS SHALL BE INSTALLED, INCLUDING HOLE DRILLING AND PREPARATION, IN ACCORDANCE WITH AN APPROVED INDEPENDENT EVALUATION REPORT (ICC-ES, IP/MO, OR APPROVED EQUAL), AS INDICATED BELOW, AND IN ACCORDANCE WITH ALL MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPI).
5. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT TIME OF ANCHOR INSTALLATION. ADHESIVE ANCHORS SHALL NOT BE FULLY LOADED UNTIL CONCRETE HAS REACHED DESIGN STRENGTH.
6. UNLESS APPROVED BY THE ENGINEER OF RECORD, CONCRETE AND DRILLED ANCHOR HOLES SHALL BE DRY AND FREE OF WATER FOR 24 HOURS PRIOR TO ADHESIVE INSTALLATION. CONTACT THE ENGINEER OF RECORD FOR GUIDANCE IF THE CONTRACTOR CHOOSES TO INSTALL IN WET OR DAMP HOLES.
7. CONCRETE TEMPERATURE AT THE TIME OF INSTALLATION SHALL BE MONITORED BY THE CONTRACTOR. CONTRACTOR SHALL COMPLY WITH ALL MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPI) RELATIVE TO SUBSTRATE TEMPERATURE.
8. INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFICATION PROGRAM. CERTIFICATION SHALL INCLUDE WRITTEN AND PERFORMANCE TESTS IN ACCORDANCE WITH THE AC108/RS ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT IN ACCORDANCE WITH ACI 318-11 9.2.2. PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. CONTINUOUS SPECIAL INSPECTION SHALL BE PROVIDED FOR THESE ANCHORS.
9. UNLESS NOTED OTHERWISE, ALL ADHESIVE ANCHORS INTO CONCRETE SHALL BE:
 - a. HILTI HIT-RE 500V3 (ESR-3814), OR HILTI HIT-HY 200-A (ESR-3187),
 - b. SIMPSON SET-3G (ESR-4057), OR AT-XP (ER-0283),
 - c. DEWALT PURE 110+ (ESR-3238), OR AC208+ GOLD (ESR-4027-COLD WEATHER).
10. UNLESS NOTED OTHERWISE, ALL ADHESIVE ANCHORS INTO MASONRY SHALL BE:
 - a. HILTI HIT-HY 270 (ESR-4143),
 - b. SIMPSON SET-XP (ER-0285), OR AT-XP (ER-0281),
 - c. DEWALT AC100+ GOLD (ESR-3200).
11. UNLESS NOTED OTHERWISE, ALL MECHANICAL ANCHORS INTO CONCRETE SHALL BE:
 - a. HILTI KWIK BOLT-TZ2 (ESR-4266),
 - b. SIMPSON STRONG-BOLT 2 (ESR-3037).
12. UNLESS NOTED OTHERWISE, ALL MECHANICAL ANCHORS INTO MASONRY SHALL BE:
 - a. HILTI KWIK BOLT-TZ2 (ESR-4561),
 - b. SIMPSON STRONG BOLT 2 WEDGE ANCHOR (ER-0240),
 - c. DEWALT SCREWBOLT+ (ESR-4042).
13. UNLESS NOTED OTHERWISE, ALL SCREW ANCHORS INTO CONCRETE SHALL BE:
 - a. SIMPSON TITEN HD (ESR-2713),
 - b. DEWALT SCREWBOLT+ (ESR-3889),
 - c. HILTI KWIK HUS-EZ (ESR-3027).
14. UNLESS NOTED OTHERWISE, ALL SCREW ANCHORS INTO MASONRY SHALL BE:
 - a. SIMPSON TITEN HD (ESR-1056),
 - b. DEWALT SCREWBOLT+ (ESR-1678),
 - c. HILTI KWIK HUS E2 (ESR-3056).
15. ALL MASONRY CELLS WITHIN 8" OF THE ANCHOR SHALL BE SOLID GROUTED.
16. THE TESTING LABORATORY WILL PERFORM VISUAL INSPECTION OF ANCHORS AND DOWELS AS SPECIFIED IN THE SPECIAL INSPECTION SCHEDULE AND THE APPROVED INDEPENDENT EVALUATION REPORT. TENSION TESTING CAN BE REQUIRED AT THE DIRECTION OF THE STRUCTURAL ENGINEER OF RECORD OR THE SPECIAL INSPECTOR.
17. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON THAT HOLE AND SHIFT THE ANCHOR LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM SPACE OF (2) ANCHOR HOLE DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE/MASONRY BETWEEN THE ANCHOR AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. AT CONTRACTORS OPTION, LOCATE EXISTING REINFORCEMENT PRIOR TO DRILLING/CORING. IF THE ANCHOR OR DOWEL CANNOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER WILL DETERMINE A NEW LOCATION.
18. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.

E. TIMBER

1. WOOD GRADES (UNLESS NOTED OTHERWISE)
 - a. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR/LARCH CLEARLY MARKED WITH A STAMP BY WWPA APPROVED AGENCY AND SHALL BE GRADED AS FOLLOWS:
 1. HORIZONTAL MEMBERS: JOISTS & RAFTERS: NO. 2, BEAMS & STRINGERS: NO. 2.
 2. VERTICAL MEMBERS: POST & TRIMMERS: NO. 1, STUDS: NO. 2.
 - b. ALL FRAMING IN CONTACT WITH FOOTINGS, FOUNDATIONS OR SLABS ON GRADE SHALL BE PRESSURE TREATED OR TIMBERSTRAND LSL TREATED LUMBER WITH EQUIVALENT STRESS GRADES TO TYPICAL FRAMING MEMBERS.
 - c. UNLESS NOTED OTHERWISE, ALL ENGINEERED LUMBER SHALL BE FURNISHED BY TRUS-JOIST CORPORATION OR APPROVED EQUAL AND SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES :

MODULUS OF ELASTICITY	FLEXURAL STRESS RATING
LVL : 2,000,000 PSI	2,600 PSI
PSL : 2,000,000 PSI	2,900 PSI
LSL : 1,500,000 PSI	2,250 PSI
 - d. ALL WOOD "I" JOISTS AND BRIDGING SHALL BE FURNISHED BY TRUS-JOIST CORPORATION OR APPROVED EQUAL.
2. SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE I, EXTERIOR GLUE AND PANEL INDEX RATING AS NOTED BELOW UNLESS NOTED OTHERWISE.

LOCATION	THICKNESS	PANEL INDEX
WALLS :	7/16"	24/0
FLOORS :	23/32"	48/24
ROOFS :	19/32"	32/16
3. INDIVIDUAL PIECES OF SHEATHING AT ROOF, FLOOR, AND SHEAR WALLS SHALL NOT BE SMALLER THAN 24" IN EITHER DIRECTION AND SHALL SPAN A MINIMUM OF TWO FRAMING SPACES, UNO.
4. ALL 23/32" FLOOR SHEATHING SHALL BE TONGUE AND GROOVE UNLESS NOTED OTHERWISE.
5. CONNECTIONS, FASTENERS, AND ADHESIVE
 - a. ALL BOLTS THRU WOOD SHALL BE ASTM A307 AND SHALL HAVE HARDENED WASHERS UNDER ASTM A563 HEAVY HEX NUT AND BOLT HEADS.
 - b. UNLESS NOTED OTHERWISE, 100 COMMON (0.148) NAILS SHALL BE USED TO FASTEN ALL PLYWOOD FLOOR AND ROOF SHEATHING TO SUPPORTING TRUSSES, JOISTS, LEDGERS OR BLOCKING AS FOLLOWS:
 1. BOUNDARY NAILING "BN": 4"O.C. AT ALL BEARING WALLS, SHEAR WALLS, BLOCKING, AND WHERE OTHERWISE INDICATED IN THE STRUCTURAL DRAWINGS.
 2. PANEL EDGE NAILING "EN": 6"O.C. AT ALL OTHER PLYWOOD PANEL EDGES.
 3. PANEL FIELD NAILING "FN": 12"O.C. AT INTERIOR SUPPORTS IN FIELD OF PANEL.
 - c. NAILS SHALL BE GALVANIZED OR STAINLESS STEEL AT EXPOSED LOCATIONS OR IN TREATED WOOD (SEE NOTE BELOW FOR FASTENERS CONNECTED TO OR IN CONTACT WITH TREATED WOOD). THE HEAD OF ALL NAILS SHALL BE DRIVEN FLUSH WITH THE SURFACE OF THE SHEATHING.
 - d. UNLESS NOTED OTHERWISE, ALL NAILS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES :

COMMON NAIL SIZE	SHANK DIAMETER	HEAD DIAMETER	LENGTH	MIN. PENETRATION INTO SUPPORT MEMBER
6d	0.113"	0.266"	2"	1.25"
8d	0.131"	0.281"	2-1/2"	1.375"
10d	0.148"	0.312"	3"	1.50"
12d	0.148"	0.312"	3-1/4"	1.50"
16d	0.162"	0.344"	3-1/2"	1.62"
6. ALL FRAMING ANCHORS, POST CAPS, HOLD DOWNS, COLUMN BASES ETC. TO BE PROVIDED BY SIMPSON OR APPROVED EQUAL AND SHALL BE ATTACHED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED DATA, UNLESS NOTED OTHERWISE.
7. EXCEPT WHERE NOTED OTHERWISE, THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THAT SET FORTH IN IBC TABLE 2304.10.1. CONNECTIONS FOR MULTIPLE PIECES OF ENGINEERED LUMBER SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
8. ALL METAL-PLATE-CONNECTED WOOD TRUSSED RAFTERS SHALL BE FABRICATED IN COMPLIANCE WITH THE RESEARCH COMMITTEE RECOMMENDATIONS OF THE ICC FOR THE CONNECTOR PLATES USED. SUBMIT DESIGN CALCULATIONS WITH ENGINEERS SEAL FOR REVIEW WITH SHOP DRAWINGS. PROVIDE CALCULATIONS AND DETAILS FOR ALL TRUSS TO TRUSS CONNECTIONS INCLUDING CONNECTION HARDWARE. ALL NECESSARY TRUSS BRIDGING AND CONNECTION DESIGN OF TRUSS BRIDGING SHALL BE PROVIDED BY THE TRUSS DESIGNER AND SHALL BE INCLUDED IN THE DESIGN CALCULATIONS FOR REVIEW.

F. EXISTING BUILDING NOTES

1. ARW ENGINEERS EXPRESSLY DISCLAIMS RESPONSIBILITY FOR ANY PORTION OF THE EXISTING BUILDING NOT SPECIFICALLY ADDRESSED IN THESE DRAWINGS.
2. DRAWINGS AND DETAILS HAVE BEEN PREPARED TO REFLECT THE EXISTING CONDITIONS AND CONFIGURATIONS OF STRUCTURAL ELEMENTS. HOWEVER, THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND ALERTING THE ENGINEER OF ANY DISCREPANCIES FOUND PRIOR TO FABRICATING OR INSTALLING STRUCTURAL ELEMENTS.
3. THE CONTRACTOR IS RESPONSIBLE FOR MAKING SURE THAT THE BUILDING AND ELEMENTS WITHIN THE BUILDING REMAIN STABLE UNTIL CONSTRUCTION IS COMPLETE. AT NO ADDITIONAL COST TO THE OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SHORING OR OTHER TEMPORARY SUPPORT OF STRUCTURAL MEMBERS UNTIL THE FINAL CONFIGURATION HAS BEEN COMPLETED.

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Structural Sheet Index	
SHEET NUMBER	SHEET NAME
S001	STRUCTURAL NOTES
S002	SCHEDULES
S103	ROOF FRAMING PLAN
S201	DETAILS
S202	DETAILS

STRUCTURAL NOTES

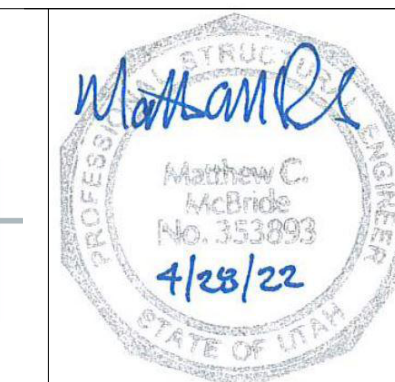
04.28.22
ARW Project Number: 21706.A
Project Number: 2112
Property Number: 512-7173

SOUTH OGDEN 7, 8 REROOF
720 NANCY DRIVE
SOUTH OGDEN, UTAH 84403

S001

ID	REVISION NAME	DATE
1	Revised Set	01/21/2022

ARW ENGINEERS
structural consultants
1594 W. Park Cir. Ogden, Utah 84404
ph. 801.782.6008 fx. 801.782.4656



SPECIAL INSPECTION SCHEDULE 1, 2				
ESTABLISHED PER 2018 IBC SECTION 110 AND CHAPTER 17				
ITEM	CONTINUOUS ³	PERIODIC ³	REFERENCE	COMMENTS
PRE-FAB CONSTRUCTION (IBC 1704.2)			REFERENCE NOTES P1 & P2	P1. SPECIAL INSPECTION IS NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION, PROVIDED THE FABRICATOR COMPLIES WITH IBC. P2. INSPECTION FOR PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS IF THE MATERIAL USED IN THE CONSTRUCTION TOOK PLACE ON SITE. SPECIAL INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE. (SEE NOTE 2).
WOOD (IBC 1705.5 & 1705.11.1 & 1705.12.2)				
HIGH LOAD DIAPHRAGMS (ROOF / FLOOR)		●	REFERENCE NOTE W1	W1. WOOD STRUCTURAL PANEL SHEATHING SHALL BE INSPECTED TO ASCERTAIN THAT GRADE AND THICKNESS ARE IN COMPLIANCE WITH APPROVED BUILDING PLANS. NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, THE NAIL OR STAPLE DIAMETER AND LENGTH, THE NUMBER OF FASTENER LINES, AND SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS SHALL ALSO BE INSPECTED AND VERIFIED FOR COMPLIANCE WITH APPROVED BUILDING PLANS.
SITE-BUILT ASSEMBLIES		●		
SHEAR WALL & DIAPHRAGM NAILING		●	REFERENCE NOTE W2	W2. SPECIAL INSPECTION IS NOT REQUIRED FOR WOOD SHEAR WALLS, WOOD DIAPHRAGMS, INCLUDING NAILING, & BOLTING, AND OTHER FASTENING TO OTHER COMPONENTS WHERE THE SPACING OF THE SHEATHING FASTENERS IS GREATER THAN 4% C.
DRAG STRUTS		●		W3. SPECIAL INSPECTION SHALL BE PERFORMED TO VERIFY THAT THE INSTALLATION OF TEMPORARY AND PERMANENT RESTRAINT/BRACING IS INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.
BRACES & SHEAR PANELS		●		
HOLDOWNS		●		
GLUING OPERATIONS	●			
METAL-PLATE-CONNECTED WOOD TRUSSES WITH HEIGHTS GREATER THAN OR EQUAL TO 60"		●	REFERENCE NOTE W2	
METAL-PLATE-CONNECTED WOOD TRUSSES WITH SPANS GREATER THAN OR EQUAL TO 60 FEET		●	REFERENCE NOTE W3	

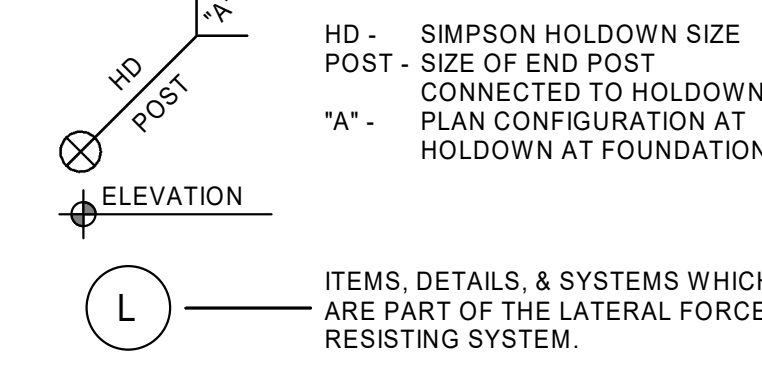
GENERAL SPECIAL INSPECTION NOTES :

- THE ITEMS MARKED WITH A ● IN THE SPECIAL INSPECTION SCHEDULE SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO THE MATERIAL SAMPLING AND TESTING SECTION, THE PROJECT SPECIFICATIONS, AND THE SPECIFIC GENERAL NOTES SECTIONS. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ARCHITECT, ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL. ANY ITEMS WHICH FAIL TO COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, ARCHITECT, AND ENGINEER PRIOR TO COMPLETION OF THAT PHASE OF WORK. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.
- ANY CONSTRUCTION OR MATERIAL THAT HAS FAILED INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT.
- CONTINUOUS SPECIAL INSPECTION MEANS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. PERIODIC SPECIAL INSPECTION MEANS THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK. (IBC SECTION 202)

TABLE OF EQUIVALENT FASTENERS						
STAPLES, NAILS AND T-NAILS (VALID FOR LATERAL LOADS ONLY)						
COMMON NAIL SPACING	EQUIVALENT SPACING OF APPROVED FASTENERS					
	GAUGE PENETRATION	STAPLES			NAILS & T-NAILS	
6d AT:	4"	16	15	14	.113	.131
	6"	1"	1"	1"	1 1/4"	1 1/2"
	8"	3 1/2"	4"	5"	4"	5"
	10"	6 1/2"	6"	7"	6"	7 1/2"
	12"	8 1/2"	8"	9 1/2"	8"	10"
8d AT:	4"	8 1/2"	10"	12"	10"	12"
	6"	10"	12"	14 1/2"	12"	14 1/2"
	8"	4"	3 1/2"	4"	3 1/2"	4"
	10"	6"	5"	6"	5"	6"
	12"	8"	6 1/2"	8"	6 1/2"	8"
10d AT:	4"	6 1/2"	8"	10"	8"	10"
	6"	8"	10"	12"	9 1/2"	12"
	8"	4"	2 1/2"	3"	2 1/2"	3 1/2"
	10"	6"	3 1/2"	4"	4"	5"
	12"	8"	4 1/2"	5 1/2"	5 1/2"	7"

NOTES:
 PENETRATION IS THE DEPTH OF EMBEDMENT OF THE STAPLE OR NAIL INTO THE MAIN MEMBER REQUIRED TO ATTAIN ITS FULL CAPACITY (SHEAR VALUE) FOR LATERAL LOADING.

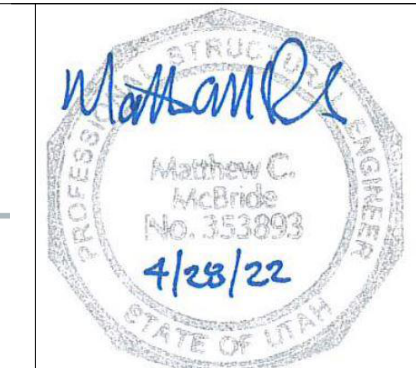
LEGEND OF SYMBOLS AND ABBREVIATIONS			
AB	= ANCHOR BOLT		FOOTING MARK
ABV	= ABOVE		TOP OF FOOTING ELEVATION
ARCH	= ARCHITECT		SECTION MARK
BLW	= BELOW		SHEET NUMBER
BN	= BOUNDARY NAILING		TOP OF FOUNDATION WALL OR COLUMN PIER ELEVATION
BS	= BOUNDARY SCREW		CENTERLINE
BRB	= BUCKLING RESTRAINED BRACE		SHEAR WALL - SEE SCHEDULE
BRBF	= BUCKLING RESTRAINED BRACE FRAME		MIN. LENGTH OF SHEAR WALL
CJP	= COMPLETE JOINT PENETRATION		FOOTING STEP
CL	= CENTERLINE		MASONRY WALL
CMU	= CONCRETE MASONRY UNIT		DEPRESS FDN./WALL AND POUR FLOOR SLAB OVER AT MASONRY FOUNDATION WALL
COL	= COLUMN		DEPRESS FDN./WALL AND POUR FLOOR SLAB OVER AT CONCRETE FOUNDATION WALL
CONC	= CONCRETE		MASONRY BEAM
CP	= CONCRETE PIER		CONCRETE BEAM
DC	= DEMAND CRITICAL		
DIA / Ø	= DIAMETER		
DBA	= DEFORMED BAR ANCHOR		
DBE	= DECK BEARING ELEVATION		
ELEV	= ELEVATION		
EN	= EDGE NAILING		
EOD	= EDGE OF DECK		
FDN	= FOUNDATION		
FTG	= FOOTING		
FFE	= FINISHED FLOOR ELEVATION		
GB	= CONCRETE GRADE BEAM		
HSA	= HEADED STUD ANCHOR		
JBE	= JOIST BEARING ELEVATION		
KB	= KICKER BRACE		
MAX	= MAXIMUM		
MB	= MASONRY BEAM		
MC	= MASONRY COLUMN		
MECH	= MECHANICAL		
MEZZ	= MEZZANINE		
MIN	= MINIMUM		
MJ	= MASONRY JAMB		
MW	= MASONRY WALL		
NS, FS	= NEAR SIDE, FAR SIDE OR APPROVED EQUAL		
OAE	= OPPOSITE		
OPP	= OPPOSITE		
PAF	= POWDER ACTUATED FASTENER		
PL	= PLATE		
REINF	= REINFORCING		
REQD	= REQUIRED		
SIM	= SIMILAR		
SSH	= STEEL STUD HEADER		
SSJ	= STEEL STUD JAMB		
SSS	= STEEL STUD SILL		
SSW	= STEEL STUD WALL		
TOB	= TOP OF BEAM ELEVATION		
TOC	= TOP OF CONCRETE SLAB		
TOF	= TOP OF FOOTING		
TOG	= TOP OF GIRDER ELEVATION		
TOM	= TOP OF MASONRY		
TOS	= TOP OF STEEL ELEVATION		
TYP	= TYPICAL		
UNO	= UNLESS NOTED OTHERWISE		



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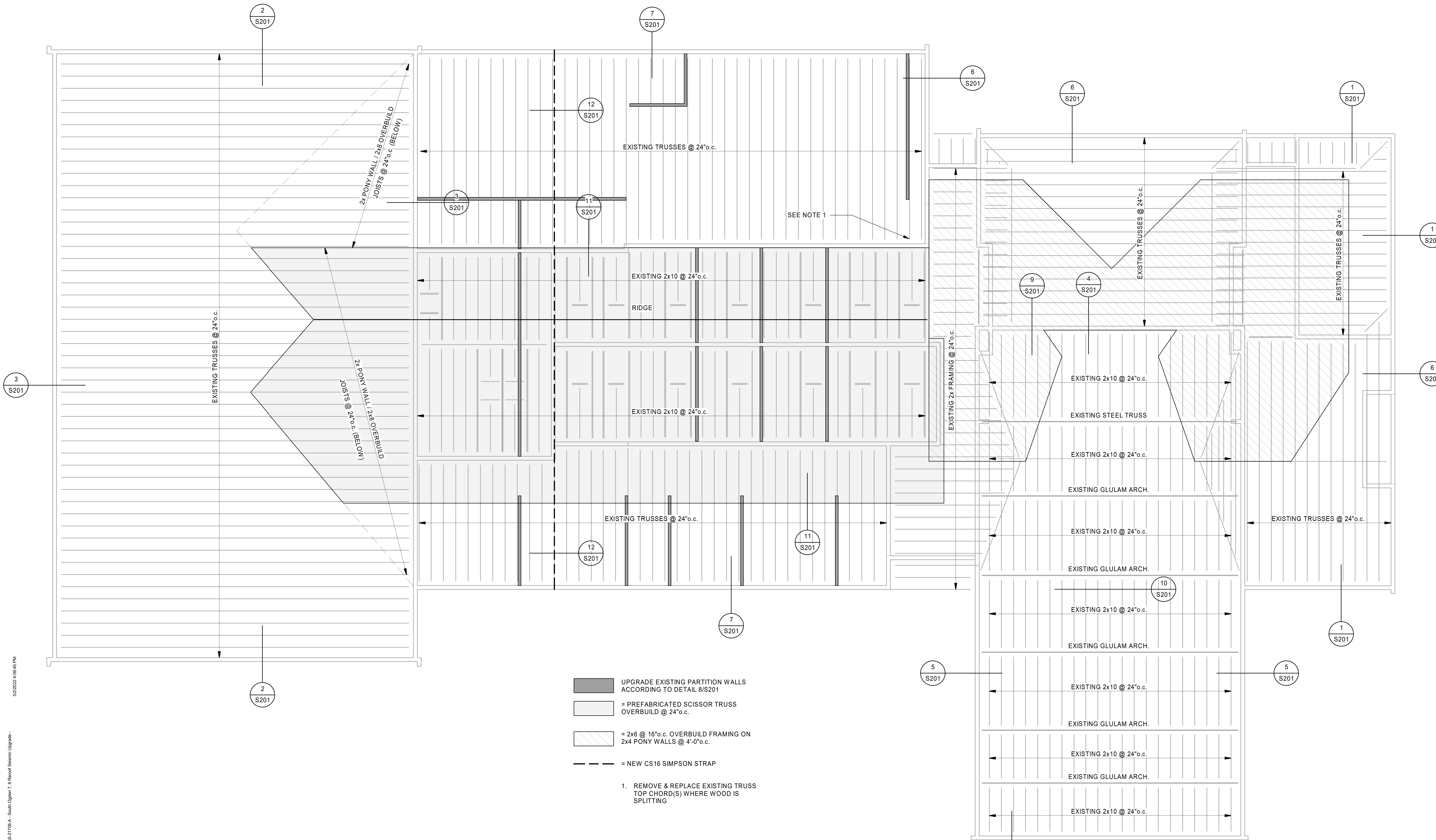
ID	REVISION NAME	DATE
1	Review Set	01/21/2022



SCHEDULES

04.28.22
 ARW Project Number: 21706.A
 Project Number: 2112
 Property Number: 512-7173

SOUTH OGDEN 7, 8 REROOF
 720 NANCY DRIVE
 SOUTH OGDEN, UTAH 84403



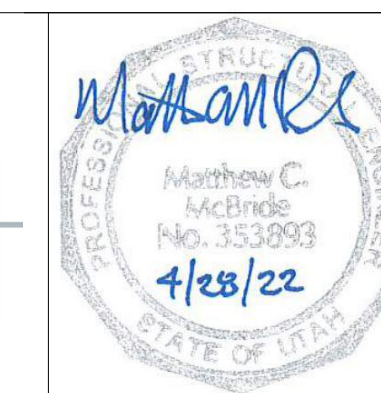
ROOF FRAMING PLAN

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

A
S103

- UPGRADE EXISTING PARTITION WALLS ACCORDING TO DETAIL 8/S201
 - = PREFABRICATED SCISSOR TRUSS OVERBUILD @ 24" o.c.
 - = 2x6 @ 16" o.c. OVERBUILD FRAMING ON 2x4 PONY WALLS @ 4'-0" o.c.
 - = NEW CS16 SIMPSON STRAP
1. REMOVE & REPLACE EXISTING TRUSS TOP CHORD(S) WHERE WOOD IS SPLITTING

ID	REVISION NAME	DATE
1	Review Set	01/21/2022



ROOF FRAMING PLAN

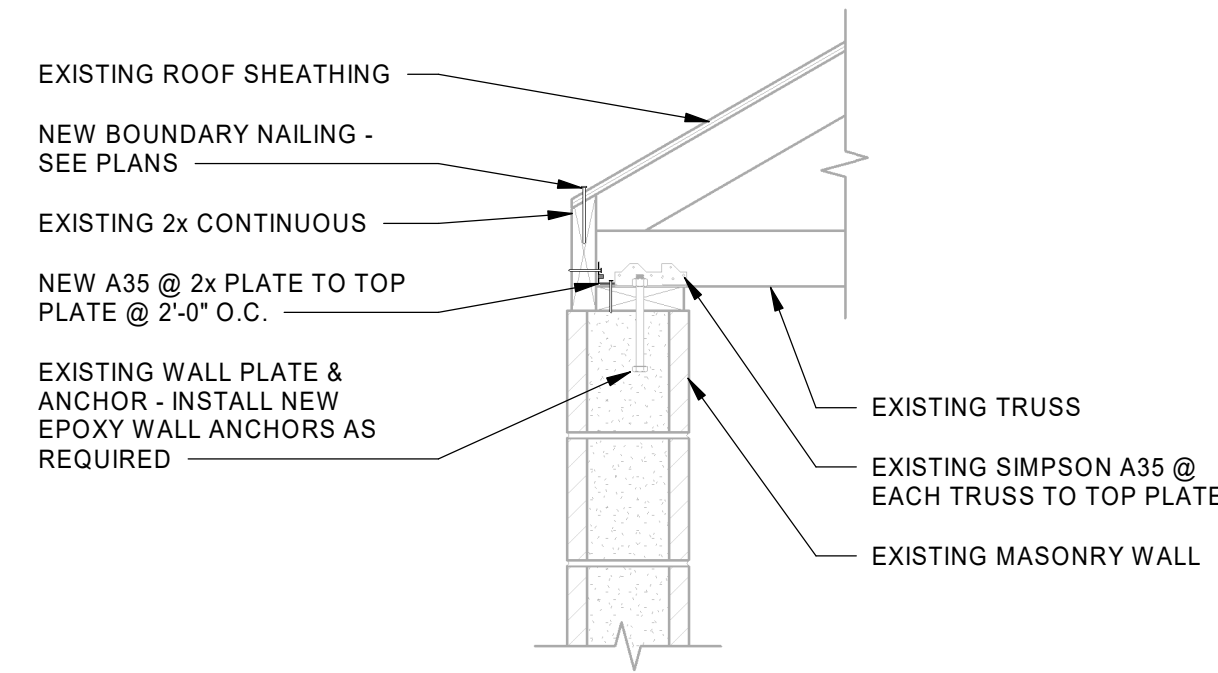
04.28.22
ARW Project Number: 21706.A
Project Number: 2112
Property Number: 512-7173

SOUTH OGDEN 7, 8 REROOF
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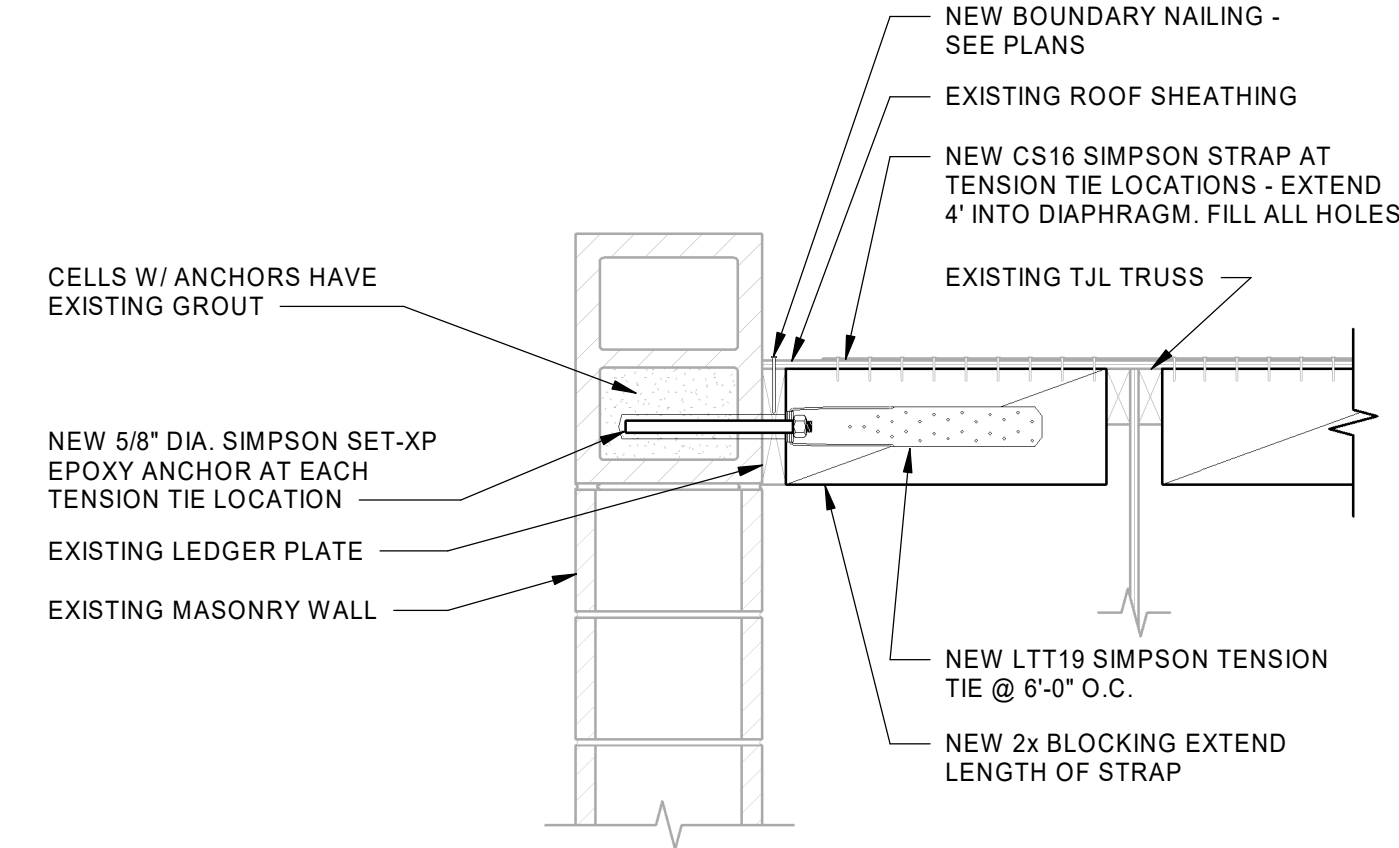
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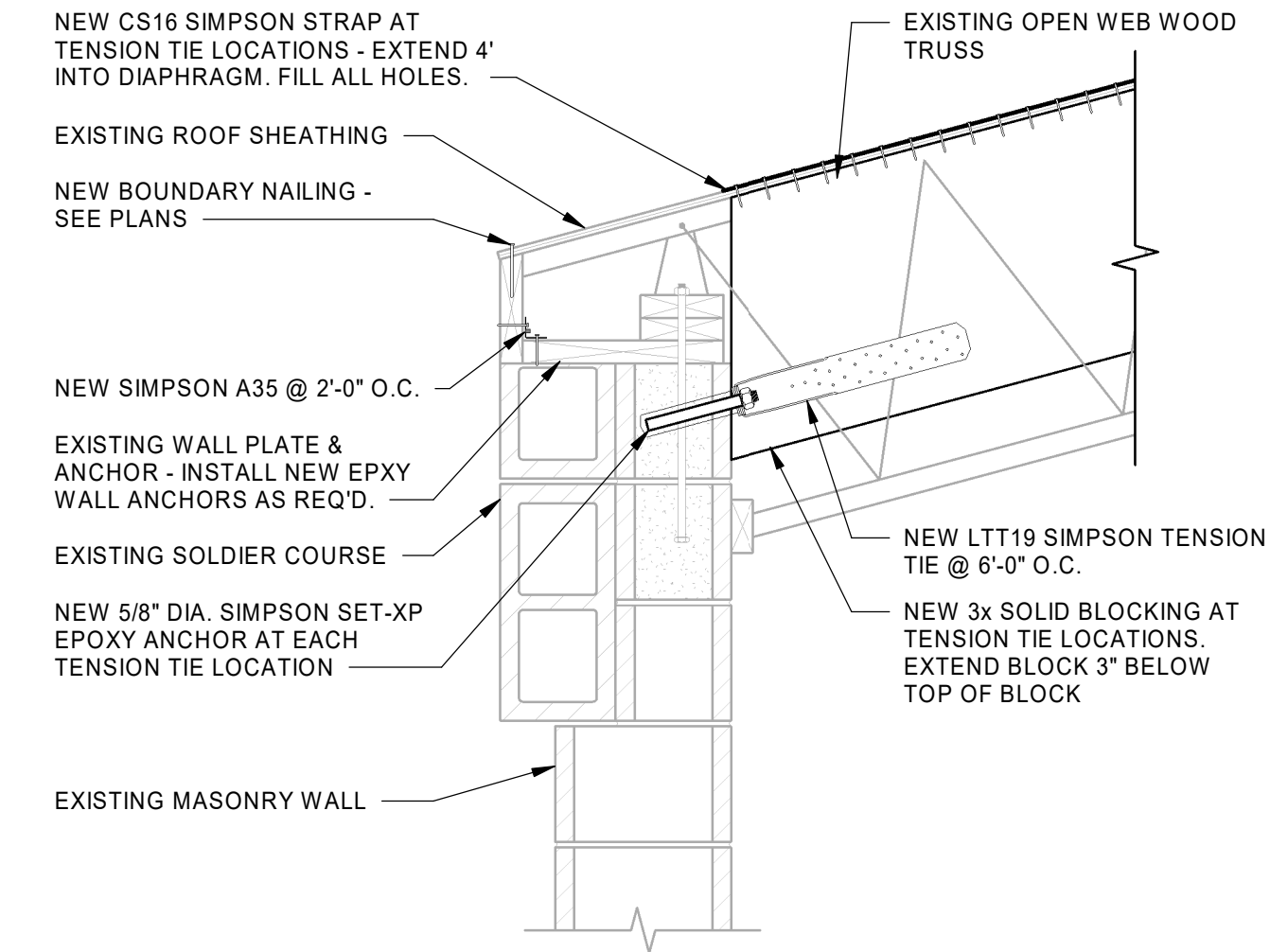
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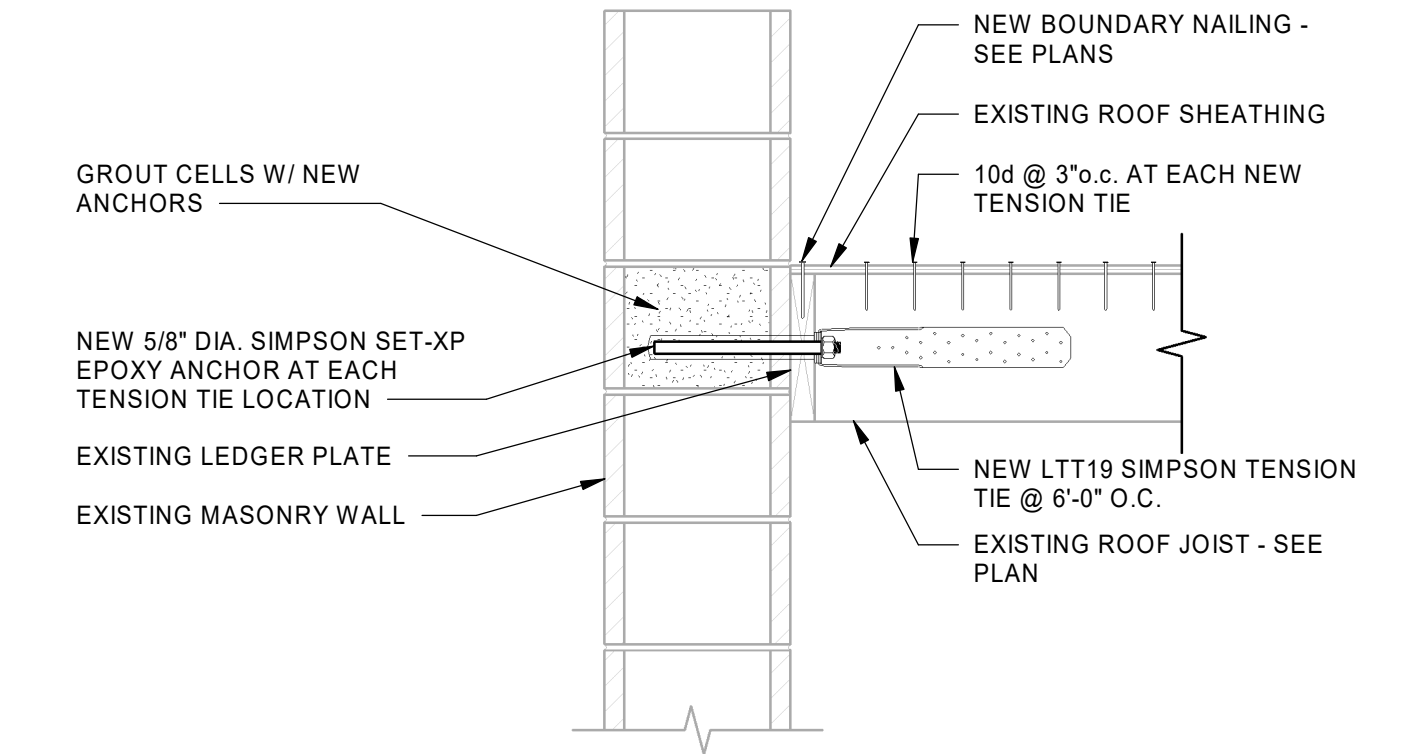
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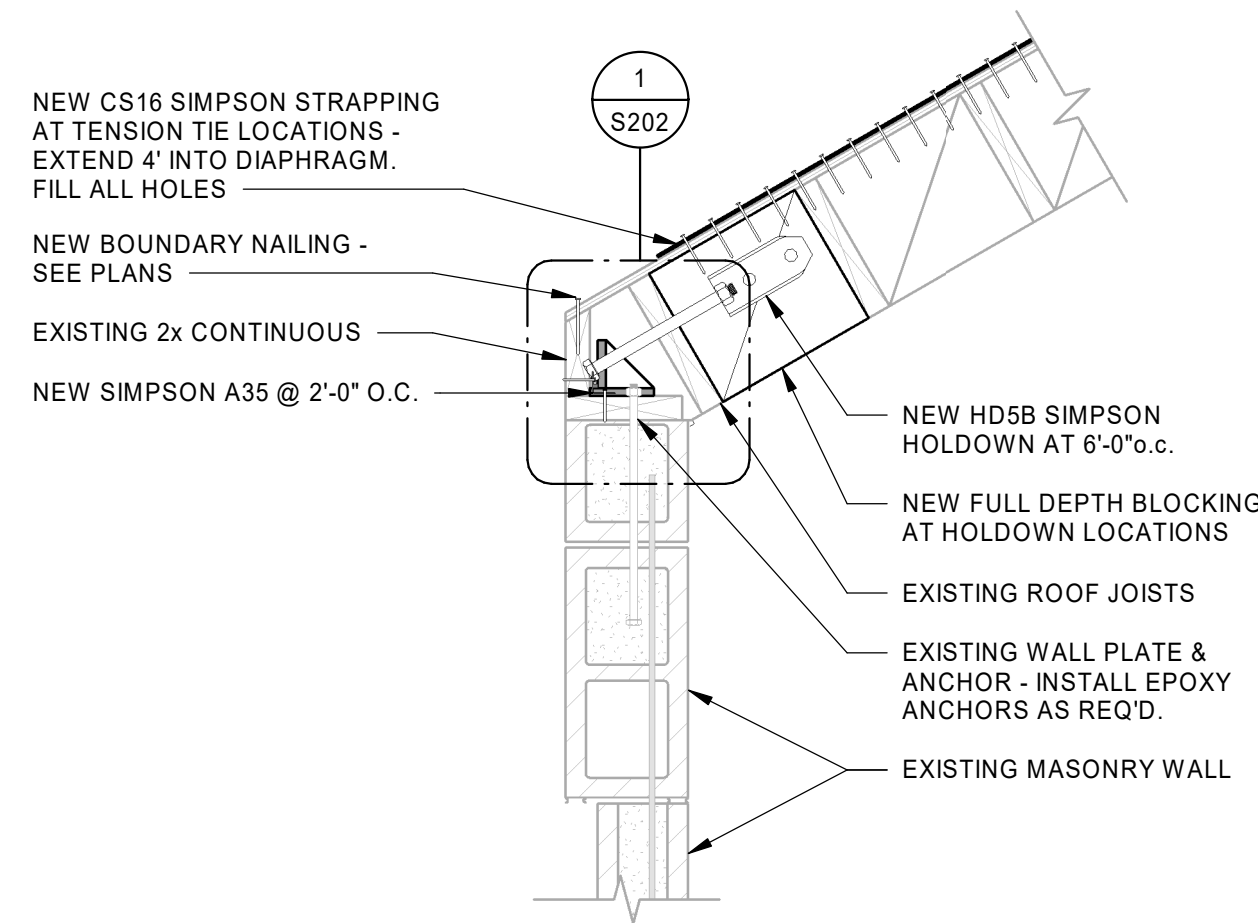
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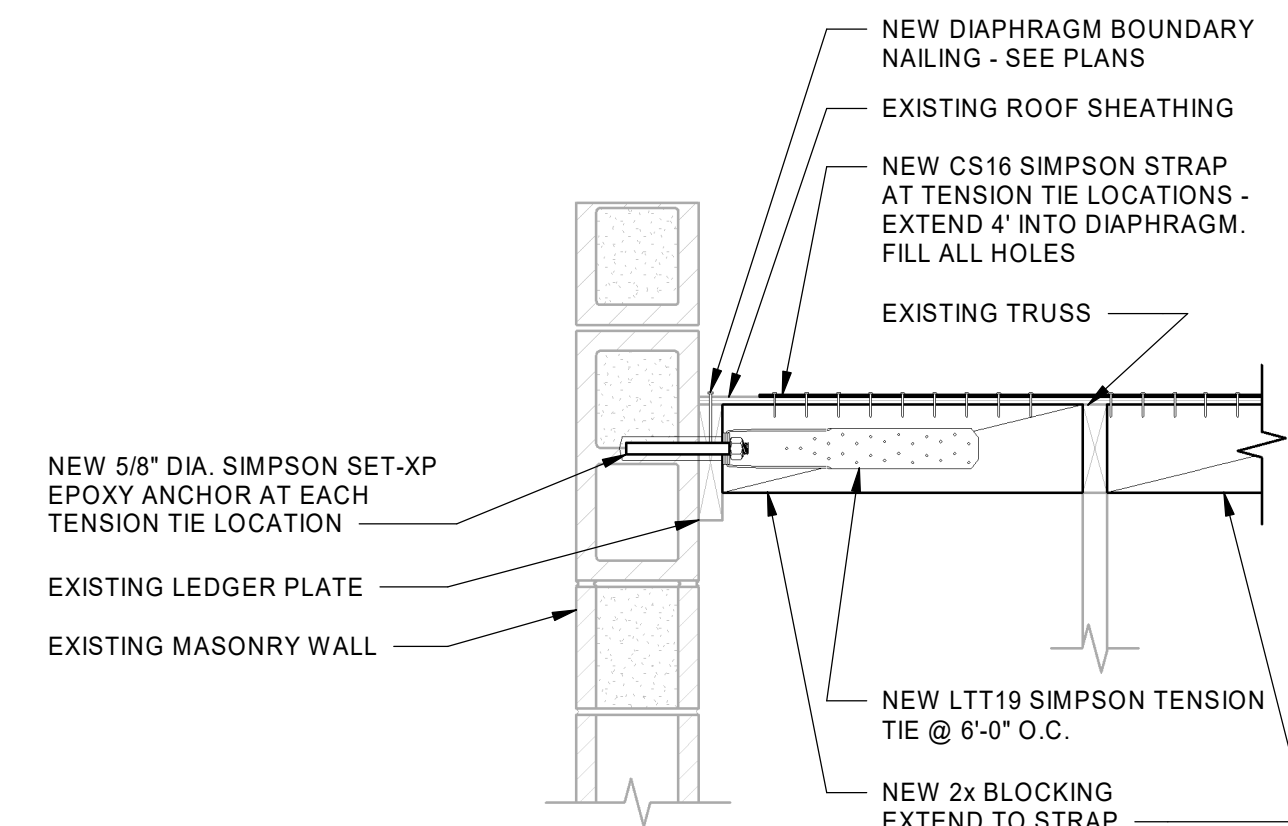
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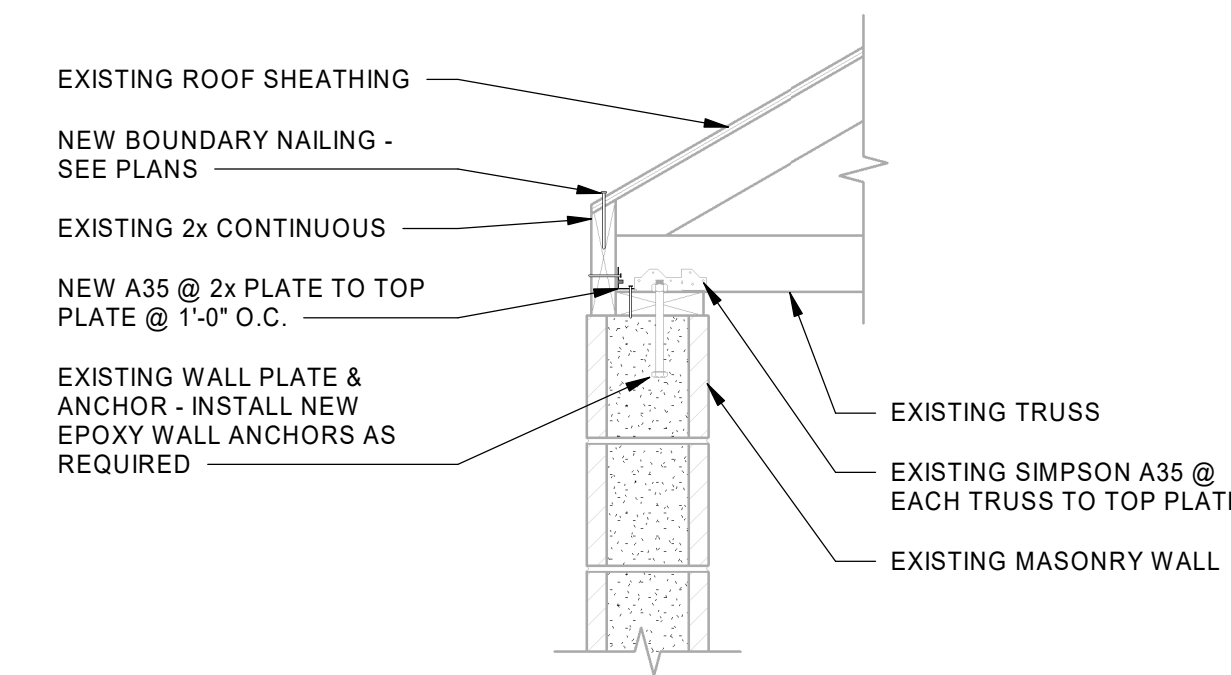
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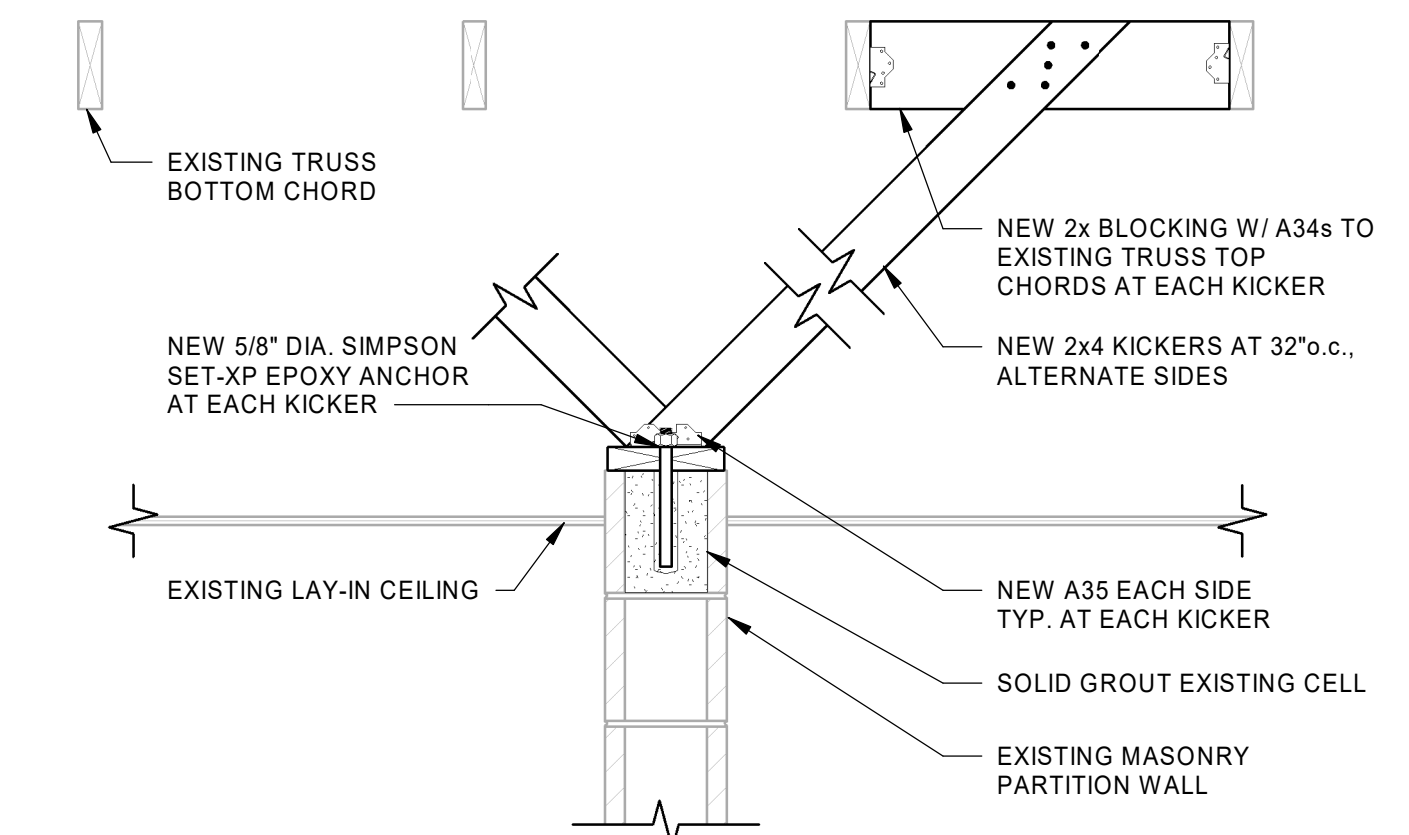
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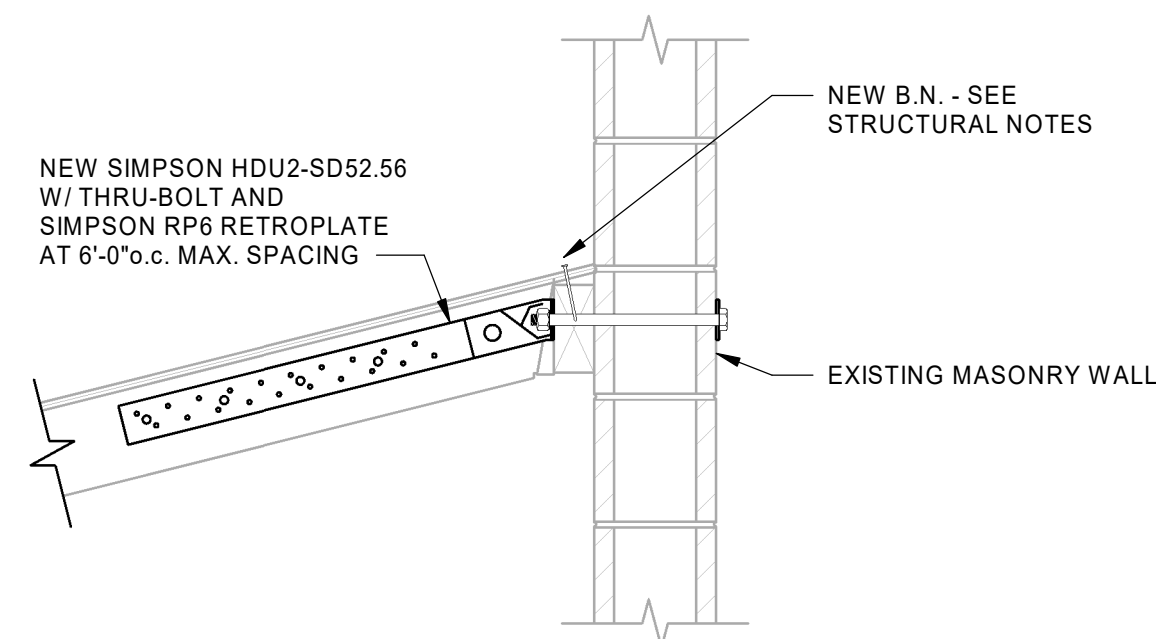
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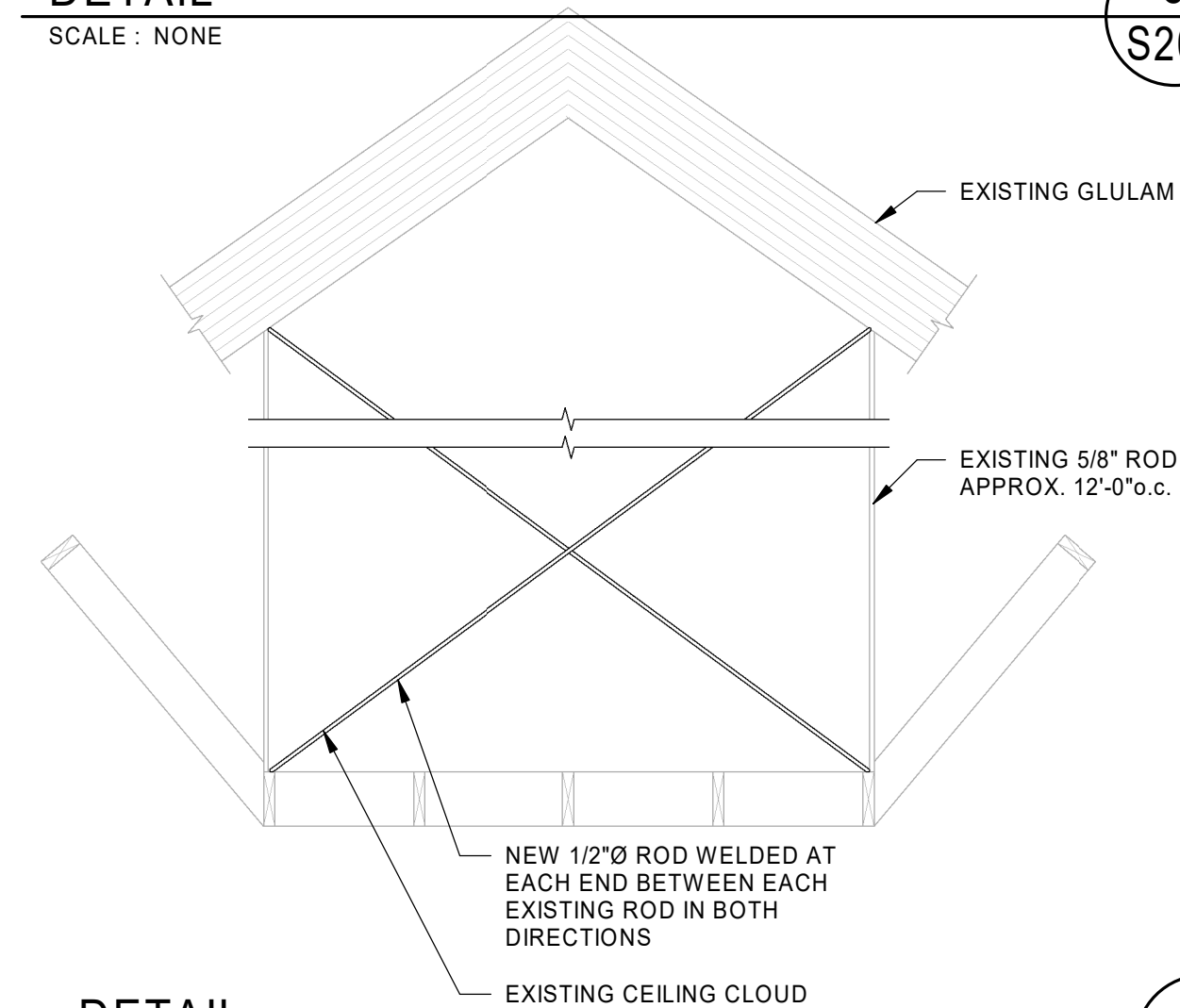
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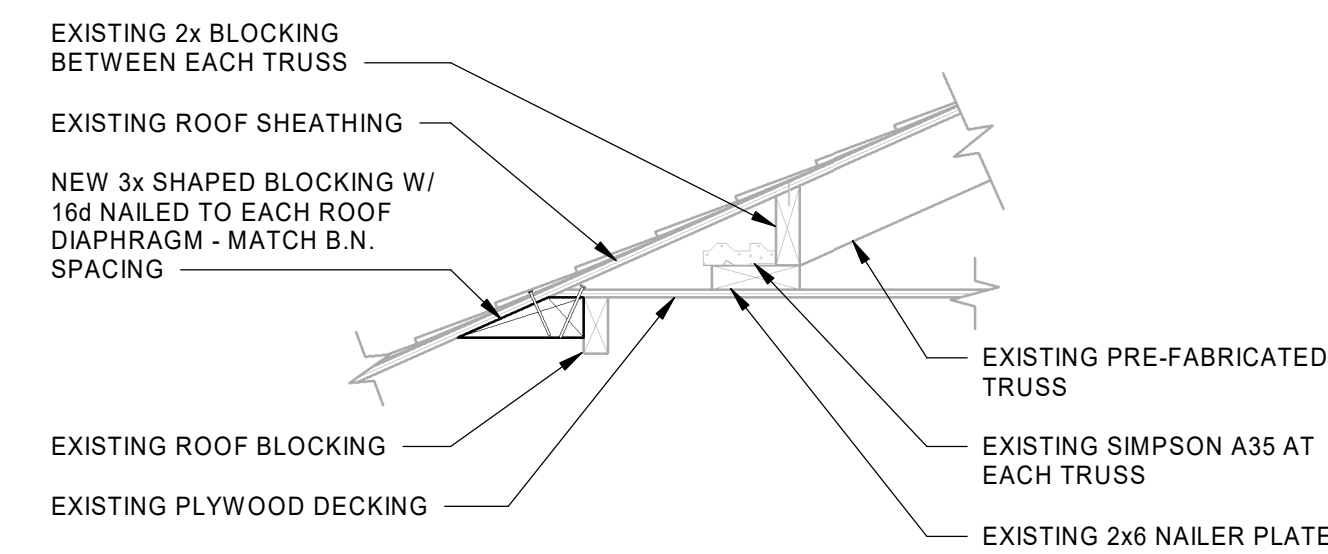
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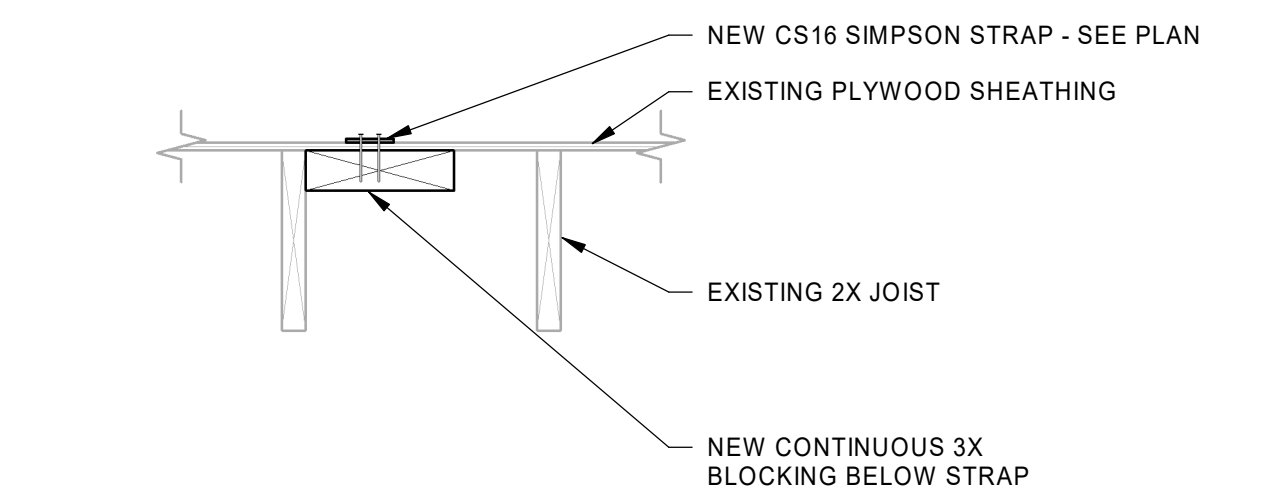
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 S201



DETAIL
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 10
 S201



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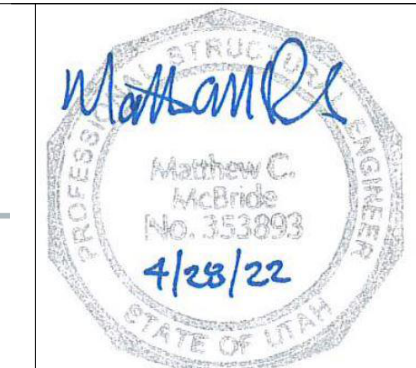


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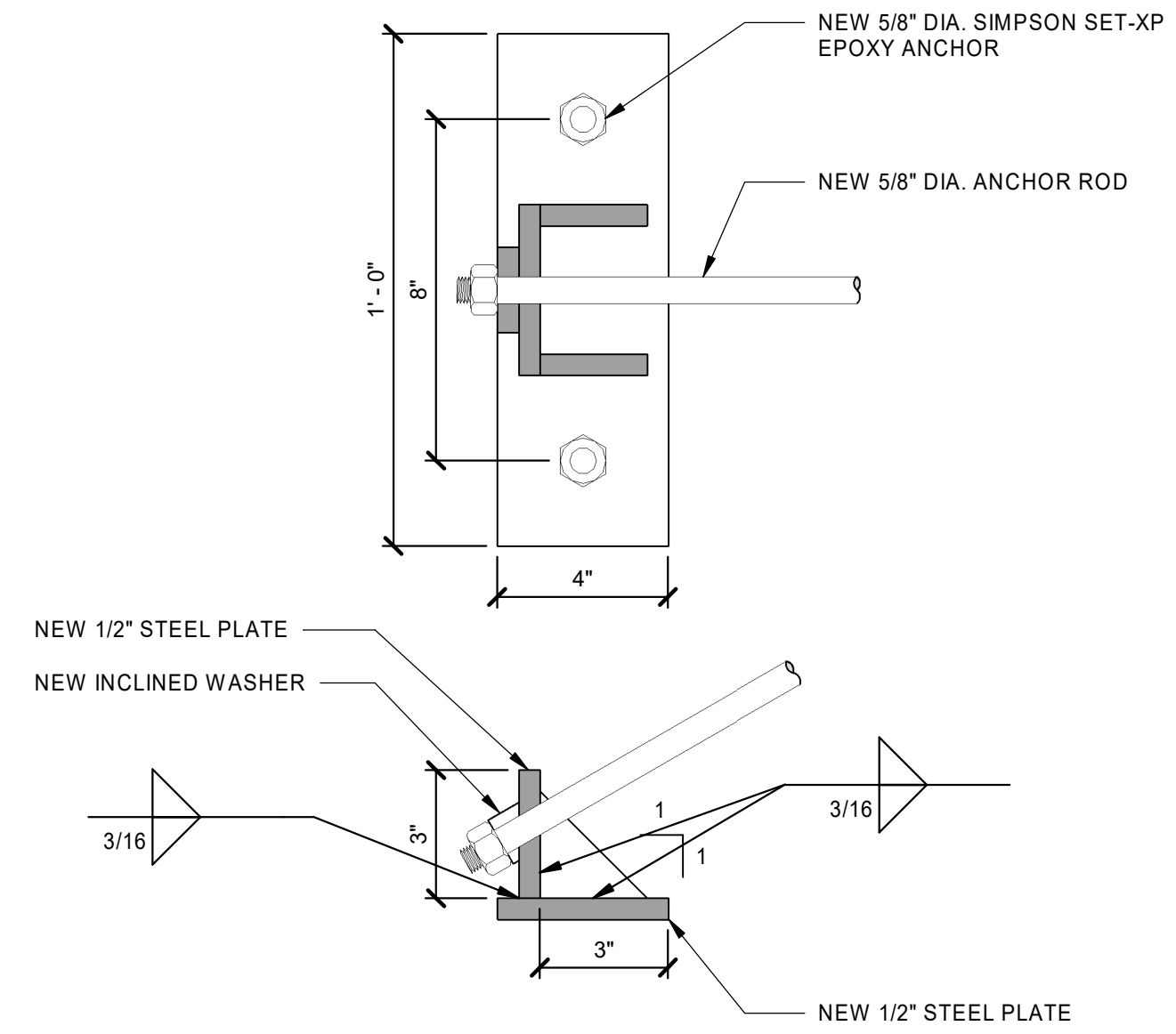
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ID	REVISION NAME	DATE
1	Review Set	01/21/2022

ARW ENGINEERS
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 1594 W. Park Cir. Ogden, Utah 84404
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04.28.22
 ARW Project Number: 21706.A
 Project Number: 2112
 Property Number: 512-7173
 SOUTH OGDEN 7, 8 REROOF
 720 NANCY DRIVE
 SOUTH OGDEN, UTAH 84403



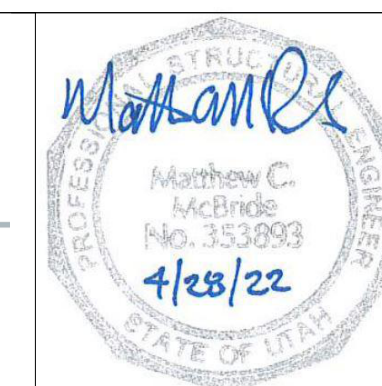
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ID	REVISION NAME	DATE



DETAILS
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