From: Lowden, Joanne
To: Carla Cloud
Subject: Final plans for CCCHP-21-06 Galena Creek Schoolhouse for CCCHP Meeting Scheduled November 14, 2023
Date: Monday, October 9, 2023 10:34:52 AM
Attachments: image002.png
image003.png
image004.png
image005.png
image006.png
image007.png
MGA Signed Galena Creek Schoolhouse_2023-10-06.pdf

Hi Carla,

Washoe County Parks is required to go back to the CCCHP board with our final design plans for the Galena Creek Schoolhouse project (CCCHP-21-06). I attached a pdf of the final plans to this email, but let me know if I need to submit hard copies for review. We do not need to make any changes to the proposed budget at this time. The original budget we submitted from our Capital Projects team is still good based on the final design plans. Let me know if any additional documentation needs to be submitted to the CCCHP board.

We are hoping to put the construction portion of this project out for bid as soon as we receive all required SHPO approvals with the goal of getting the work completed this fall before winter weather. Do I need to submit the final plans separately to Kristen Brown with a review request or will this email work for all needed SHPO approvals?

Thanks,

Joanne Lowden
Natural Resource Planning Coordinator
Community Services Department | **Regional Parks and Open Space**
jlowden@washoecounty.us | Office: 775-328-2039
1001 E. Ninth St., Reno, NV 89512

From: Carla Cloud <ccloud@shpo.nv.gov>
Sent: Thursday, October 5, 2023 3:01 PM
To: Carla Cloud <ccloud@shpo.nv.gov>
Cc: Rebecca Palmer <rlpalmer@shpo.nv.gov>; Kristen Brown <knbrown@shpo.nv.gov>; Robin Reed <rreed@shpo.nv.gov>; Nicole N. Ting <NNTing@ag.nv.gov>
Subject: Commission for Cultural Centers and Historic Preservation Meeting Scheduled November 14, 2023
Importance: High

[**NOTICE:** This message originated outside of Washoe County -- **DO NOT CLICK** on **links** or open **attachments** unless you are sure the content is safe.]

Dear Grantees:
The Commission for Cultural Centers and Historic Preservation will be holding a meeting on **November 14, 2023**, from **1-2:30pm** via Zoom, to review and approve documents for the next upcoming grant cycle.

You are invited to attend this meeting if you need to address the Commission regarding your current 2021-2022 grant project.

If your project has run into complications or increased costs that are resulting in the need for additional funding, or if your project is contingent on funding that still needs to be approved by the Commission, please send me the information no later than **COB Friday, October 20th** so we can include it on the agenda.

If you have no requests of the Commission, you are not required to attend this meeting. Those who will be requesting additional funding will be required to attend.
The additional funding available for request is for your **already reviewed and approved scope of work and should not include any new activities**.

Please let me know if you have any questions or concerns, and I look forward to hearing from you.

Thank you,

Carla

Carla Cloud
Grants & Projects Analyst
Nevada State Historic Preservation Office
Department of Conservation & Natural Resources
901 S. Stewart Street, Suite 5004
Carson City, NV 89701
775-684-3441
ccloud@shpo.nv.gov

NEVADA
STATE HISTORIC
PRESERVATION OFFICE

Nevada Department of
CONSERVATION &
NATURAL RESOURCES
Connect with us:

GALENA CREEK SCHOOLHOUSE

RENO, NEVADA

ABBREVIATIONS

&	AND	INT.	INTERIOR
L	ANGLE	JT.	JOINT
@	AT	LAM.	LAMINATE
℄	CENTERLINE	LAV.	LAVATORY
∅	DIAMETER OR ROUND	LLH.	LONG LEG HORIZONTAL
(E)	EXISTING	LLV.	LONG LEG VERTICAL
(N)	NEW	LT.	LIGHT
#	POUND OR NUMBER	MAX.	MAXIMUM
⏤	PLATE	M.B.	MACHINE BOLT
A.B.	ANCHOR BOLT	MECH.	MECHANICAL
ACOUS.	ACOUSTICAL	MEMB.	MEMBRANE
ADD.	ADDITIONAL	MEZZ.	MEZZANINE
ADJ.	ADJUSTABLE	MFGR.	MANUFACTURER
AGGR.	AGGREGATE	MIN.	MINIMUM
AL.	ALUMINUM	MISC.	MISCELLANEOUS
ALT.	ALTERNATE	M.O.	MASONRY OPENING
APPROX.	APPROXIMATE	N.	NORTH
ARCH.	ARCHITECTURE	N.G.	NON GRADE
ASPH.	ASPHALT	N.I.C.	NOT IN CONTRACT
BD.	BOARD	NO.	NUMBER
BLDG.	BUILDING	NOM.	NOMINAL
BLKG.	BLOCKING	N.T.S.	NOT TO SCALE
BM.	BEAM	O.C.	ON CENTER
B.N.	BOUNDARY NAILING	O.D.	OUTSIDE DIAMETER (DIM.)
BOTT.	BOTTOM	OPNG.	OPENING
B.W.	BOTH WAYS	OPP.	OPPOSITE
C	CAMBER	PAR.	PARALLEL
C.J.	CEILING JOISTS	PC.	PIECE
CLG.	CEILING	P.C.	PIPE COLUMN (STEEL)
CLR.	CLEAR	PERF. S.W.	PERFORATED SHEAR WALL
COL.	COLUMN	PERP.	PERPENDICULAR
CONC.	CONCRETE	PL.	PLATE
CONN.	CONNECTION	PLAS.	PLASTER
CONSTR.	CONSTRUCTION	PLYWD.	PLYWOOD
CONT.	CONTINUOUS	PR.	PAIR
CTR.	CENTER	P.S.F.	POUNDS PER SQUARE FEET
d	PENNY (NAIL SIZE)	P.S.I.	POUNDS PER SQUARE INCH
DBL.	DOUBLE	P.T.	PRESSURE TREATED
DEPT.	DEPARTMENT	RAD.	RADIUS
DET.	DETAIL	R.D.	ROOF DRAIN
DIA.	DIAMETER	REF.	REFERENCE
DIAG.	DIAGONAL	REINF.	REINFORCED/REINFORCING
DIM.	DIMENSION	REQ.	REQUIRED
DN.	DOWN	RM.	ROOM
DO.	DITTO	R.O.	ROUGH OPENING
DR.	DOOR	R.R.	ROOF RAFTER
D.S.	DOWNSPOUT	RWD.	REDWOOD
DWG.	DRAWING	R.W.	RETAINING WALL
E.	EAST	S.	SOUTH
EA.	EACH	SAD	SEE ARCH. DRAWINGS
E.F.	EACH FACE	SCH.	SCHEDULE
EL.	ELEVATION	SECT.	SECTION
ELEV.	ELEVATOR	SHT.	SHEET
E.N.	EDGE NAILING	SHTG.	SHEATHING
EQ.	EQUAL	SIM.	SIMILAR
E.W.	EACH WAY	SPEC.	SPECIFICATION
EXP.	EXPANSION	SQ.	SQUARE
EXT.	EXTERIOR	STAGG.	STAGGERED
F.B.	FLAT BAR	STD.	STANDARD
FDN.	FOUNDATION	STL.	STEEL
F.F.	FINISH FLOOR	STOR.	STORAGE
FIN.	FINISH	STR.	STRAIGHT
F.J.	FLOOR JOIST	STRL.	STRUCTURAL
FLR.	FLOOR	SUSP.	SUSPENDED
FLASH.	FLASHING	SYM.	SYMMETRICAL
F.N.	FIELD NAILING	T&G	TONGUE AND GROOVE
F.O.C.	FACE OF CONCRETE	THK.	THICK
F.O.F	FACE OF FINISH	T.O.S.	TOP OF STEEL
F.O.S.	FACE OF STUD	T.P.	TOP OF PAVEMENT
F.P.	FULL PENETRATION	T.W.	TOP OF WALL
FT.	FOOT OR FEET	TYP.	TYPICAL
FTG.	FOOTING	UNF.	UNFINISHED
FURR.	FURRING	U.N.O.	UNLESS NOTED OTHERWISE
FUT.	FUTURE	URM.	UNREINFORCED MASONRY
GA.	GAUGE	VERT.	VERTICAL
GALV.	GALVANIZED	V.I.F.	VERIFY IN FIELD
GRD.	GRADE	W.	WEST
GYP.	GYPSUM	W/	WITH
H.C.	HOLLOW CORE	W.C.	WATER CLOSET
HDWD.	HARDWOOD	WD.	WOOD
HORIZ.	HORIZONTAL	WF.	WIDE FLANGE
HR.	HOUR	WIN.	WINDOW
HSS	HOLLOW STEEL SHAPE	W/O	WITHOUT
HT.	HEIGHT	WP.	WATERPROOF
I.D.	INSIDE DIAMETER	W.S.	WOOD SCREW
IN.	INCH	WSCT.	WAINSCOT
INSUL.	INSULATION	WT.	WEIGHT
		W.W.F.	WELDED WIRE FABRIC

SPECIAL ABBREVIATIONS

(E) EXISTING
(N) NEW

SYMBOLS

SECTION / ELEVATION

FIELD WELD

ELEVATION / TOP OF _ / BRG.

MOMENT CONNECTION

SLAB DEPRESSION

℄ CENTER LINE
⏤ PLATE
L ANGLE
[] SQUARE
∅ DIAMETER
$ STEPPED FOOTING

EXISTING CONDITION PHOTOGRAPHS

SITE PLAN

SCOPE OF WORK

WORK INCLUDES THE REMOVAL OF INTERIOR WALL FINISHES, INCLUDING STUDS AND WIRING; REMOVAL OF THE LOWEST LEVEL OF CEILING; REMOVAL OF FLOOR COVERING AS WELL AS FRAMING IN THE KITCHEN AREA; HISTORIC FLOOR SHEATHING TO REMAIN. REMOVAL OF THE EXISTING ROOF COVERING, INSTALLATION OF ADDITIONAL RAFTERS TO STRENGTHEN THE EXISTING, NEW PLYWOOD ROOF SHEATHING AND A NEW FIRE RATED WOOD SHINGLE COVERING ASSEMBLY. FIRST PHASE SEISMIC RETROFIT INCLUDING EPOXY ADHERED ANCHOR BOLTS, BLOCKING AND CONNECTORS AND SEISMIC COLLECTORS ALONG TWO LINES WITHIN THE ROOF AREA.

TABLE OF CONTENTS

PROFESSIONAL ENGINEER-STATE OF NEVADA
MELVYN GREEN
Exp: 08/31/25
No. 3385
CIVIL
STRUCTURAL

Date: 6/30/2025

SUBMITTAL SET

REVISIONS	BY

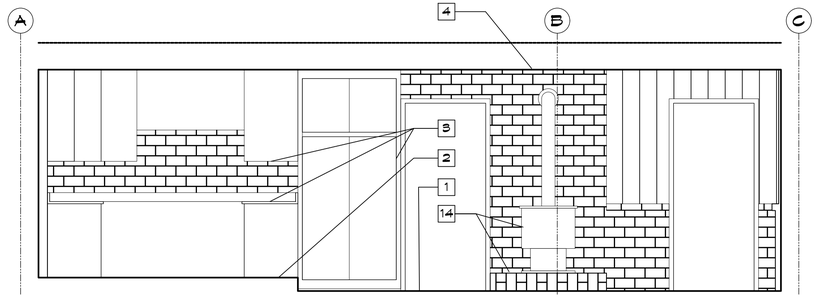
Title Sheet

Community Services Dept Regional Parks and Green Space,
1001 E 9th St Rm. D200
Reno, NV 89512

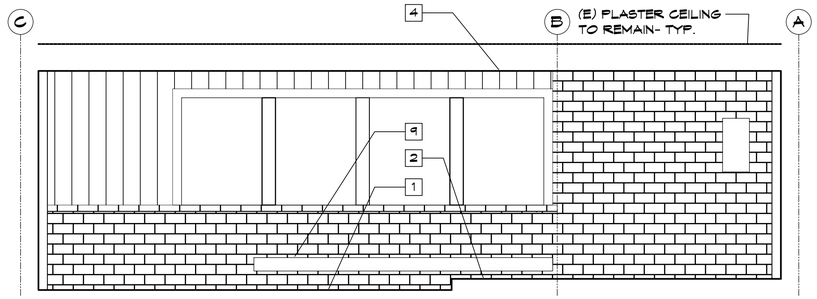
Galena Creek Schoolhouse
Phase 1 Removals and New Roof
1600 Callahan Rd
Reno, NV 89511

GREEN
Melvyn Green & Associates Inc
3965 Carson Street Suite 300
Torrance California 90503
Ph (310) 792-6092
Fax (310) 792-6092
Structural Engineers
Historic Preservation

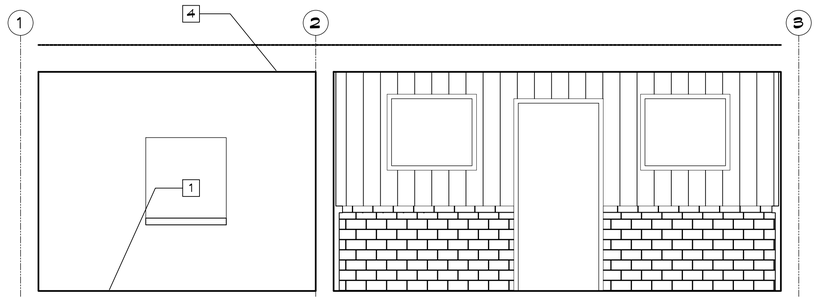
DATE	04/05/23
SCALE	AS NOTED
DRAWN	KGP
JOB	2023105
SHEET	A-1
	OF 7 SHEETS



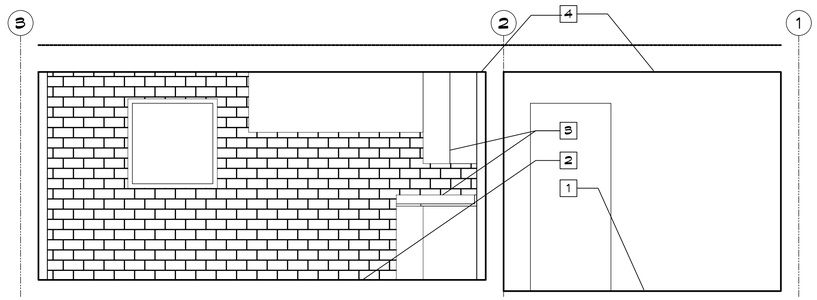
2 NORTH INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"



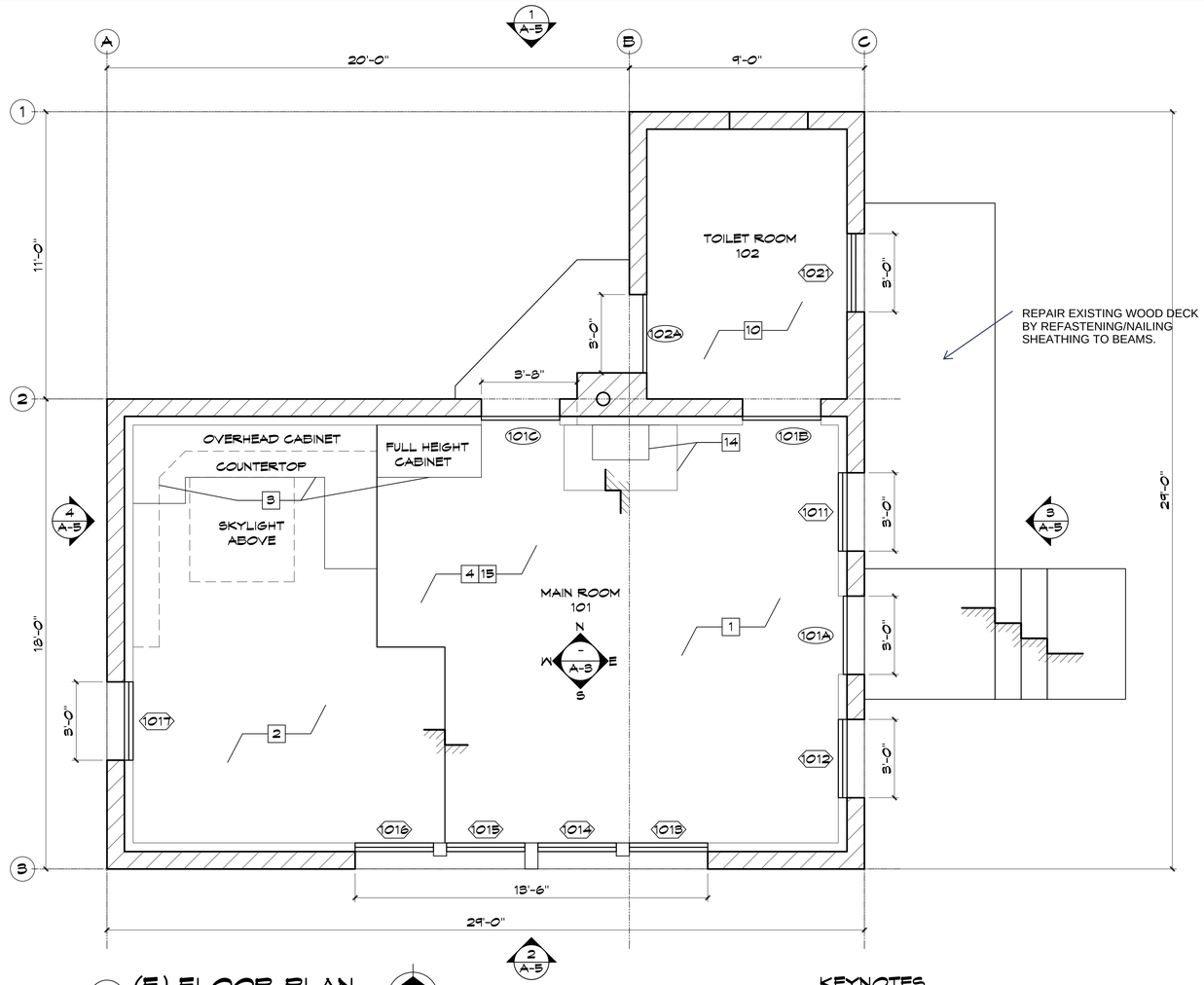
3 SOUTH INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



4 EAST INTERIOR ELEVATION



5 WEST INTERIOR ELEVATION



1 (E) FLOOR PLAN
SCALE: 3/8" = 1'-0"

NORTH

KEYNOTES

1. REMOVE (E) FINISHED FLOOR TO ORIGINAL FLOORING. (E) WOOD FLOOR OR SHEATHING TO REMAIN AND BE PROTECTED
2. REMOVE RAISED FLOOR ASSEMBLY AT KITCHEN AREA. PROTECT ORIGINAL WOOD FLOOR PER 1.
3. REMOVE AND SALVAGE (E) KITCHEN CABINETS AND FIXTURES.
4. ACOUSTICAL CEILING TILE AND SUPPORTS TO BE REMOVED IN ENTIRE BUILDING. ORIGINAL PLASTER CEILING TO REMAIN.
5. REMOVE (E) SKYLIGHT AND INFILL W/ RAFTERS TO MATCH (E)-SEE PLAN.
6. REMOVE (E) ROOF ROOFING AND SKIP SHEATHING. REPLACE SHEATHING W/ PLYWOOD. SHEATHING ON OVERHANG TO REMAIN.
7. REMOVE DETERIORATED ROOF AND CEILING JOISTS. RE-ROOF TO MATCH (E). SEE SPECIFICATIONS.
8. REMOVE ALL (E) FACIA BOARD AND TRIM. REPLACE W/ ALL (N) MATERIAL TO MATCH ORIGINAL.
9. REMOVE ALL (E) ELECTRICAL WIRING AND HEATERS WITHIN BUILDING.
10. REMOVE (E) PLUMBING LINES AND FIXTURES. CAP ALL UTILITIES AND INSTALL A YARD BOX AND HOSE BIB.
11. REPAIR AND STRAIGHTEN ELECTRICAL PANEL AND CONDUIT.
12. REPAIR WOOD GABLES AS NEEDED, SAND AND PAINT, MAKE ACCESS DOOR OPERATIONAL. INSTALL 1/8" GALVANIZED WIRE MESH ON INTERIOR OF (E) ATTIC VENTS.
13. REPAIR (E) WOOD DECK AND APPLY WOOD STAIN.
14. REMOVE (E) HEATER AND RAISED BRICKS.
15. REMOVE INTERIOR WALL FINISH, INCLUDING BRICK, PANELING AND WOOD STUDS TO ORIGINAL STONE.
16. ADD 1/8" GALVANIZED MESH SCREEN TO UNDERFLOOR VENTS

SUBMITTAL SET

REVISIONS	BY

Floor Plan and Interior Elevations Removals

Community Services Dept Regional Parks and Green Space,
1001 E 9th St Rm. D200
Reno, NV 89512

Galena Creek Schoolhouse
Phase 1 Removals and New Roof
1600 Callahan Rd
Reno, NV 89511

GREEN
Melvyn Green & Associates Inc
3868 Carson Street Suite 300
Torrance California 90503
Tel: (310) 792-8992
Fax: (310) 792-8992
Structural Engineers
Historic Preservation

DATE	09/05/23
SCALE	1/2"=1'-0"
DRAWN	KSP
JOB	2023105
SHEET	A-2
	OF 7 SHEETS

FIGURE 1—PRODUCT TREATMENT LABELS

FIGURE 2—PRODUCT TREATMENT LABELS FOR CHEMCO, INC.

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

Page 1 of 1

LISTING No.	4150-1735:0101
CATEGORY:	4150 -- ROOF COVERING, WOOD SHAKES/SHINGLES
LISTEE:	FSR TREATMENT, INC.PO Box 3280, Mission, BC V2V 4J4 Canada Contact: Kris Watkins (604) 462-7116 Fax (604) 462-7116 Email: accountspayable@watkinsawmills.com
DESIGN:	Model FTX and *Thermex and FSR pressure treated, No. 1 Grade Western Red Cedar shakes *or shingles. Shakes and shingles, having a maximum moisture content of *20%, are pressured treated *by FSR Treatment, Inc. with FSR Treatment, Inc's proprietary fire retardant chemical. Refer to ICC Evaluation Services, Inc. ES Report No. ESR-1410 Reissued *June 1, 2008 for additional detailed product description and installation considerations.
RATING:	Class B and C
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction. Class B and C shakes and shingles are applied over 1/2" thick CDX plywood with exterior glue or spaced sheathing of 1" x 4" lumber, and a listed asphalt-saturated felt underlayment and interlayment. Spacing between shakes and shingles shall not be less than 3/8" nor more than 5/8". The roof valley flashing shall be fabricated of not less than No. 28 Ga. galvanized sheet corrosion-resistant metal applied over at least Type 15 felt. Hot-dipped zinc-coated fasteners shall be used. For Class A assemblies, Class B shakes and shingles shall be applied over ¼" Dens-Deck (a glass-faced gypsum roof board), or a minimum approved and listed 72- lb mineral surface fiberglass cap sheet, complying with ASTM D3909, installed over solid or spaced sheathing as described for Class B and C. The Dens-Deck shall be fastened with a minimum four fasteners per board and the cap sheet shall be installed with a 2-inch overlap on sides and ends. The use of the Class A assembly is subject to the final approval of the authority having jurisdiction.
MARKING:	Listee's name, model number, classification, and CSFM label.
APPROVAL:	Listed as Class B and C, pressure treated red cedar shakes and shingles when installed on minimum roof slopes of 4:12 and when used as part of a Class A assembly as described under Installation Section above. Class B shingles may be used on minimum roof slopes of 3:12 when at least listed Type 15 felt underlayment is used and the installation is approved by the authority having jurisdiction.
NOTE:	Formerly 4150-1450:100

* Rev. 08-04-10 fm

This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other

Date Issued: **July 01, 2020** *Listing Expires* **June 30, 2021**

Authorized By: ***DAVID CASTILLO,*** *M.E., F.P.E.*
Fire Engineering Division

ICC-ES Evaluation Service

ICC-ES Evaluation Report

ESR-1410
Reissued June 2022
This report is subject to renewal June 2024.

www.icc-es.org | (800) 423-6587 | (562) 699-0543 *A Subsidiary of the International Code Council®*

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 31 29—Wood Shingles and Shakes

REPORT HOLDER:

FSR TREATMENT, INC.

ADDITIONAL LISTEE:

CHEMCO, INC.

EVALUATION SUBJECT:

FSR, FTX, FIRE-RETARDANT-TREATED WOOD SHAKES AND SHINGLES

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2012, 2009 and 2006 *International Building Code®* (IBC)
- 2012, 2009 and 2006 *International Residential Code®* (IRC)
- 2013 *Abu Dhabi International Building Code* (ADIBC)[1]

[1]The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

- 1997 *Uniform Building Code™* (UBC)

Properties evaluated:

- Roof covering
- Fire classification

2.0 USES

The fire-retardant-treated wood shake and shingle roof coverings are for use where Class A, B or C wood roof coverings are permitted.

3.0 DESCRIPTION

The fire-retardant-treated wood shakes and shingles are produced from No. 1 grade western red cedar shakes complying with IBC Section 1507.9.6 (2012 and 2009 codes and 1507.9.5 (2006 code), IRC Section R905.8.5 or UBC Section 1507.12, or No. 1 western red cedar shingles complying with IBC Section 1507.8.5 (2012 and 2009 codes) and 1507.8.4 (2006 code), IRC Section R905.7.4 or UBC Section 1507.13. The shakes and shingles, having a maximum moisture content of 25 percent, are pressure-treated by FSR Treatment, Inc. or Chemco, Inc., with proprietary fire-retardant chemicals. Treated products are identified as "Class B" or "Class C." The "Class B" treated shakes and shingles have higher levels of chemical retention than the "Class C" treated shakes and shingles. Fire-retardant-treated starter course materials are supplied by FSR Treatment, Inc. or Chemco, Inc. and are produced from No. 2 grade taper sawn shakes or No. 2 grade shingles complying with the previously referenced code sections, and are also available in "Class B" and "Class C." Products are sold under the trade names FSR FTX.

4.0 DESIGN AND INSTALLATION

4.1 General:

The wood shakes and shingles must be installed on spaced or solid sheathing complying with the applicable code. The wood shakes must be installed in accordance with IBC Section 1507.9, IRC Section R905.8 or UBC Section 1507.12. The wood shingles must be installed in accordance with IBC Section 1507.8, IRC Section 905.7 or UBC Section 1507.13. Fasteners must be stainless steel complying with ASTM A580 Type 304 or 316. The wood shakes must be installed on roofs with a minimum slope of 4:12 (33%), while wood shingles may be installed on roofs with a minimum slope of 3:12 (25%).

Weather exposure of the hip and ridge shakes or shingles must not exceed those exposures permitted for the field of the roof.

Starter courses at the eave must be doubled, with the first course being full-size treated shakes or shingles or 15-inch (381 mm) treated starter-course shakes or shingles. Fifteen-inch (381 mm) or 18-inch (457 mm) treated shakes or shingles may be used for the final course at the ridge.

4.2 Class A Roof Covering:

Products labeled as "Class B" shakes or shingles must be installed in accordance with Section 4.1 of this report, over spaced or solid sheathing covered either with one layer of ¼-inch-thick (6.4 mm) Dens-Deck® Roof Board, manufactured by Georgia Pacific Corporation, or with one layer of mineral-surfaced cap sheet complying with ASTM D3909. Where underlayment is required, the underlayment shall be installed over the Dens-Deck® board or mineral-surfaced cap sheet. Fastener length for the shakes or shingles must be increased for the thickness of the Dens-Deck board or cap sheet. The Dens-Deck boards must be fastened to spaced or solid sheathing using a minimum of four fasteners per board to avoid panel shifting prior to installation of the shakes or shingles. The mineral-surfaced cap sheet must be installed with 2-inch (51 mm) overlaps on the sides and ends, and attached with a sufficient number of fasteners to hold the sheet in place prior to installation of the shakes.

4.3 Class B Roof Covering:

Products labeled as "Class B" shakes or shingles must be installed in accordance with Section 4.1 of this report, except that for shake installation a 36-inch-wide (914 mm), Type II underlayment, complying with ASTM D226, must be installed under the 15- or 18-inch-long (381 or 457 mm) starter course at the eave line.

4.4 Class C Roof Covering:

Products labeled as "Class C" shakes or shingles must be installed as described in Section 4.3 of this report for the Class B roof covering.

5.0 CONDITIONS OF USE

The FSR Treatment, Inc., FTX fire-retardant-treated shakes and shingles described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 The shakes and shingles are treated, identified and installed in accordance with this report.

5.2 The use of the Class B and C shakes and shingles is limited to use on roofs where the respective classification is permitted, except that the Class B shakes and shingles are permitted to be used on roofs required to have a Class A roof covering where they are installed as part of the assembly described in Section 4.2 of this report.

5.3 The shakes and shingles are pressure-treated by FSR Treatment, Inc., in Maple Ridge, British Columbia, Canada; and Chemco, Inc. in Ferndale, Washington under a quality control program with inspections by ICC-ES and Fire Tech Services, Inc. (AA-641).

6.0 EVIDENCE SUBMITTED

6.1 Data in accordance with the ICC-ES Acceptance Criteria for Classified Wood Roof Systems (AC107), dated September 2004 (editorially revised February 2014).

6.2 Treater's published installation instructions.

6.3 A quality control manual.

7.0 IDENTIFICATION

7.1 Bundles of treated wood shakes and shingles must bear a label noting the shingle or shake grading agency name and compliance with the grading standards noted in the applicable code. An additional label, affixed to each bundle, must bear the treater's name (FSR Treatment, Inc. or Chemco, Inc.), the product name, the name of the inspection agency (ICC-ES and Fire Tech Services, Inc.), the fire classification and the evaluation report number (ESR-1410). Labels for "Class B" shakes must be printed with red ink and labels for "Class C" shakes must be printed with blue ink. See Figure 1 and 2 of this report for product treatment labels.

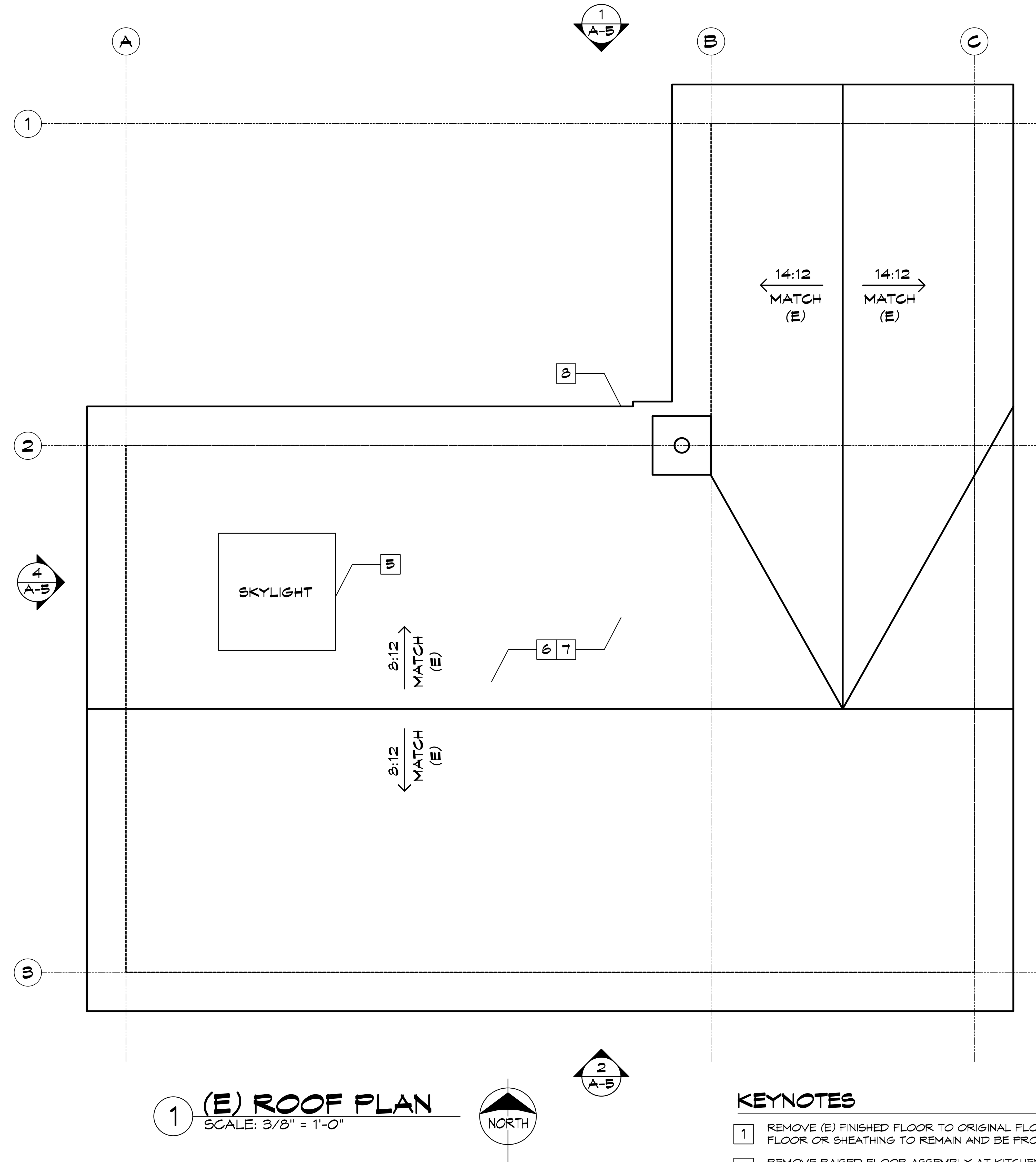
Starter-course shingles and shakes must be identified with a label bearing the treater's name (FSR Treatment, Inc. or Chemco, Inc.), the product name (Starter-Course), the name of the inspection agency (ICC-ES and Fire Tech Services, Inc.), the fire classification, the evaluation report number (ESR-1410) and the words "To be used as starter course only." Labels for "Class B" starter course materials must be printed with red ink and labels for "Class C" starter course materials must be printed with blue ink.

7.2 The report holder's contact information is the following:

FSR TREATMENT, INC.
9486 – 288TH STREET
MAPLE RIDGE, BRITISH COLUMBIA V2W 1L1
CANADA
(604) 462-0640
www.firesmartroofing.com

7.3 The Additional Listee's contact information is the following:

CHEMCO, INC
POST OFFICE BOX 875
FERNDALE, WASHINGTON 98248
(360) 366-3500
www.chemco.us



(E) ROOF PLAN

SCALE: 3/8" = 1'-0"

Date: 6/30/2025

KEYNOTES

1. REMOVE (E) FINISHED FLOOR TO ORIGINAL FLOORING. (E) WOOD FLOOR OR SHEATHING TO REMAIN AND BE PROTECTED
2. REMOVE RAISED FLOOR ASSEMBLY AT KITCHEN AREA. PROTECT ORIGINAL WOOD FLOOR PER 1.
3. REMOVE AND SALVAGE (E) KITCHEN CABINETS AND FIXTURES.
4. ACOUSTICAL CEILING TILE AND SUPPORTS TO BE REMOVED IN ENTIRE BUILDING. ORIGINAL PLASTER CEILING TO REMAIN.
5. REMOVE (E) SKYLIGHT AND INFILL W/ RAFTERS TO MATCH (E)-SEE PLAN.
6. REMOVE (E) ROOF ROOFING AND SKIP SHEATHING. REPLACE SHEATHING W/ PLYWOOD. SHEATHING ON OVERHANG TO REMAIN.
7. REMOVE DETERIORATED ROOF AND CEILING JOISTS. RE-ROOF TO MATCH (E). SEE SPECIFICATIONS.
8. REMOVE ALL (E) FACIA BOARD AND TRIM. REPLACE W/ ALL (N) MATERIAL TO MATCH ORIGINAL.
9. REMOVE ALL (E) ELECTRICAL WIRING AND HEATERS WITHIN BUILDING.
10. REMOVE (E) PLUMBING LINES AND FIXTURES. CAP ALL UTILITIES AND INSTALL A YARD BOX AND HOSE BIB.
11. REPAIR AND STRAIGHTEN ELECTRICAL PANEL AND CONDUIT.
12. REPAIR WOOD GABLES AS NEEDED, SAND AND PAINT, MAKE ACCESS DOOR OPERATIONAL. INSTALL 1/8" GALVANIZED WIRE MESH ON INTERIOR OF (E) ATTIC VENTS.
13. REPAIR (E) WOOD DECK AND APPLY WOOD STAIN.
14. REMOVE (E) HEATER AND RAISED BRICKS.
15. REMOVE INTERIOR WALL FINISH, INCLUDING BRICK, PANELING AND WOOD STUDS TO ORIGINAL STONE.
16. ADD 1/8" GALVANIZED MESH SCREEN TO UNDERFLOOR VENTS

SUBMITTAL SET

REVISIONS	BY

Roof Plan Removals and Roofing Specs

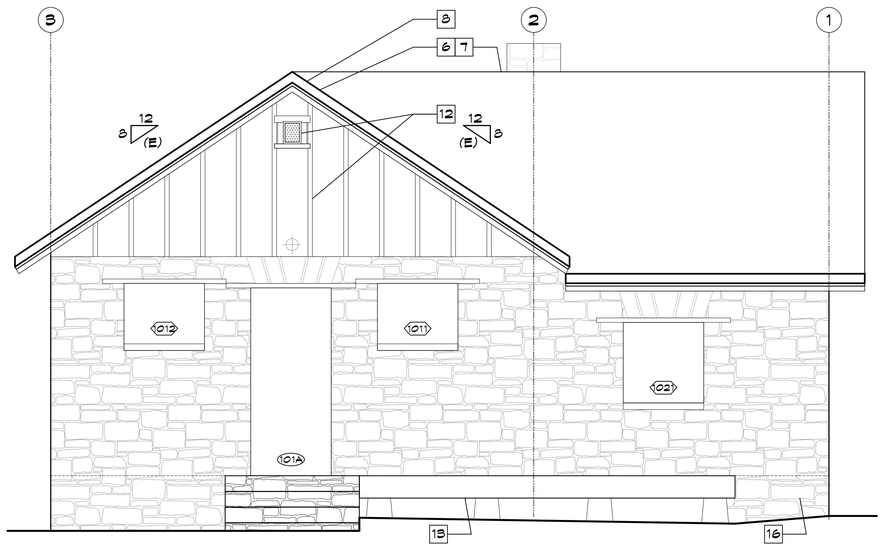
Community Services Dept Regional Parks and Green Space,
1001 E 9th St Rm. D200
Reno, NV 89512

Galena Creek Schoolhouse
Phase 1 Removals and New Roof
1600 Callahan Rd
Reno, NV 89511

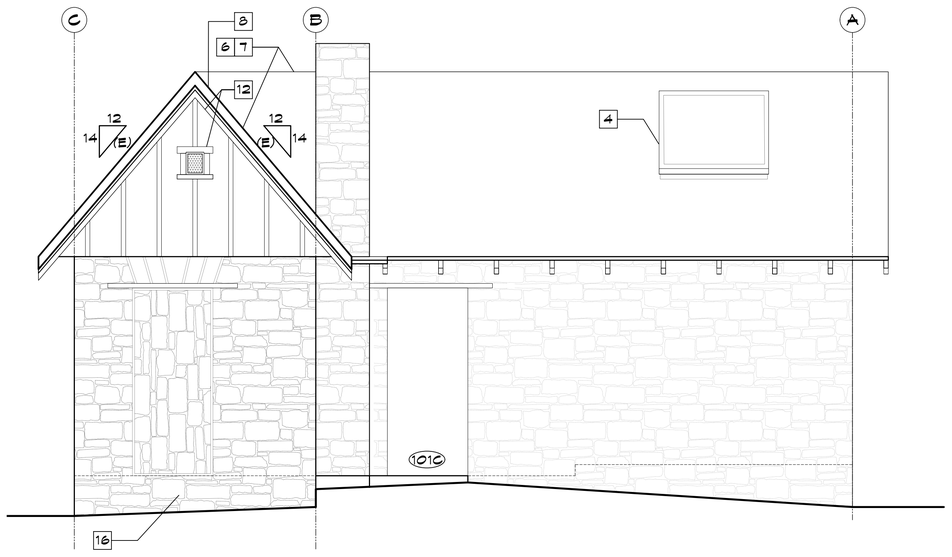
GREEN

DATE	09/05/23
SCALE	
DRAWN	KGP
JOB	2023105
SHEET	A-3

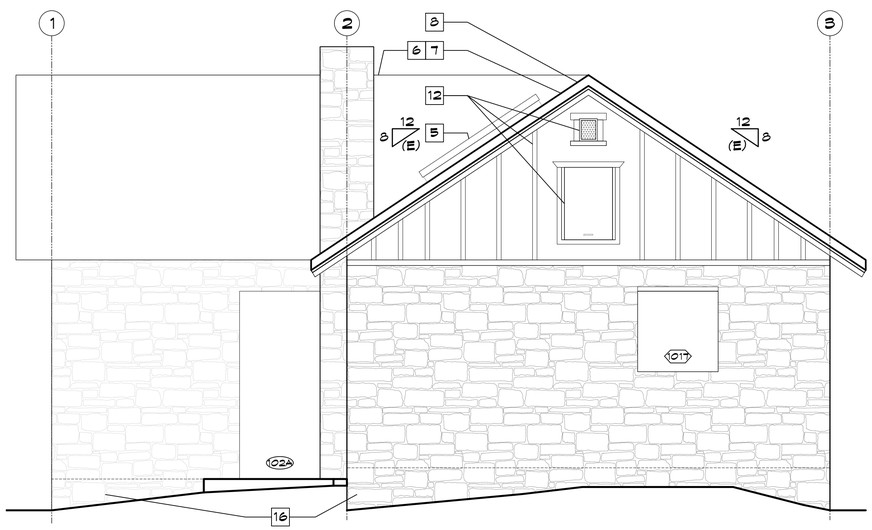
OF 7 SHEETS



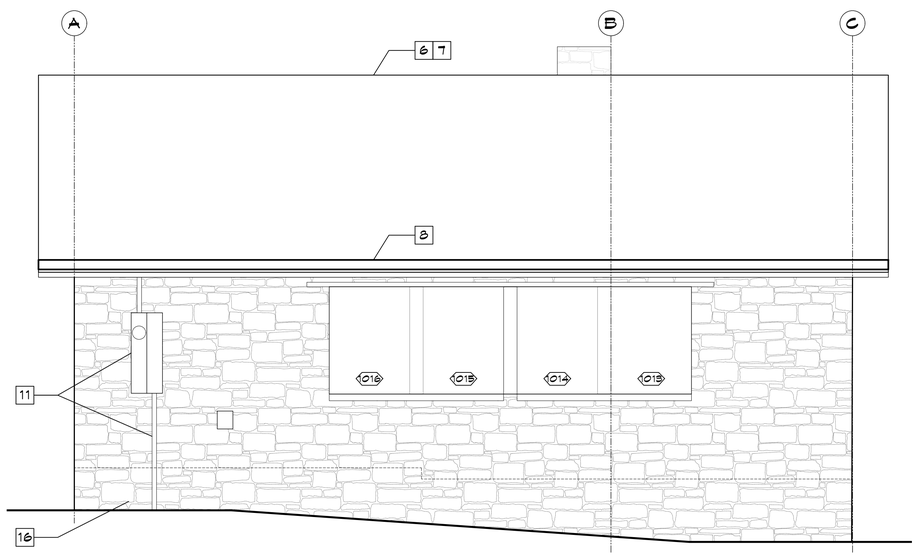
3 EAST ELEVATION
SCALE: 3/8" = 1'-0"



1 NORTH ELEVATION
SCALE: 3/8" = 1'-0"



4 WEST ELEVATION
SCALE: 3/8" = 1'-0"



2 SOUTH ELEVATION
SCALE: 3/8" = 1'-0"

DOOR REPAIR SCHEDULE

DOOR #	HEIGHT	WIDTH	REPAIRS
101A			
101B			
101C			
102A			

WINDOW REPAIR SCHEDULE

WINDOW #	HEIGHT	WIDTH	REPAIRS
1011			1
1012			1
1013			1
1014			1
1015			1
1016			1
1017			1
1021			1

1- REMOVE LOOSE PAINT, SAND AND REPAINT PER SPECS
2- MAKE OPERATIONAL

KEYNOTES

1. REMOVE (E) FINISHED FLOOR TO ORIGINAL FLOORING. (E) WOOD FLOOR OR SHEATHING TO REMAIN AND BE PROTECTED
2. REMOVE RAISED FLOOR ASSEMBLY AT KITCHEN AREA. PROTECT ORIGINAL WOOD FLOOR PER 1.
3. REMOVE AND SALVAGE (E) KITCHEN CABINETS AND FIXTURES.
4. ACOUSTICAL CEILING TILE AND SUPPORTS TO BE REMOVED IN ENTIRE BUILDING. ORIGINAL PLASTER CEILING TO REMAIN.
5. REMOVE (E) SKYLIGHT AND INFILL W/ RAFTERS TO MATCH (E)-SEE PLAN.
6. REMOVE (E) ROOF ROOFING AND SKIP SHEATHING. REPLACE SHEATHING W/ PLYWOOD. SHEATHING ON OVERHANG TO REMAIN.
7. REMOVE DETERIORATED ROOF AND CEILING JOISTS. RE-ROOF TO MATCH (E). SEE SPECIFICATIONS.
8. REMOVE ALL (E) FACIA BOARD AND TRIM. REPLACE W/ ALL (N) MATERIAL TO MATCH ORIGINAL.
9. REMOVE ALL (E) ELECTRICAL WIRING AND HEATERS WITHIN BUILDING.
10. REMOVE (E) PLUMBING LINES AND FIXTURES. CAP ALL UTILITIES AND INSTALL A YARD BOX AND HOSE BIB.
11. REPAIR AND STRAIGHTEN ELECTRICAL PANEL AND CONDUIT.
12. REPAIR WOOD GABLES AS NEEDED. SAND AND PAINT. MAKE ACCESS DOOR OPERATIONAL. INSTALL 1/8" GALVANIZED WIRE MESH ON INTERIOR OF (E) ATTIC VENTS.
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SUBMITTAL SET

PROFESSIONAL ENGINEER · STATE OF NEVADA
MELVYN GREEN
Exp: 06/30/25
CIVIL / STRUCTURAL
No. 3385
Date: 6/30/2025

REVISIONS	BY

Elevations

Community Services Dept Regional Parks and Green Space,
1001 E 9th St Rm. D200
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Galena Creek Schoolhouse
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Structural Engineers
Historic Preservation

DATE	09/05/23
SCALE	3/8"=1'-0"
DRAWN	KGP
JOB	2023105
SHEET	A-4
	OF 7 SHEETS

GENERAL NOTES

1. CODES: ALL MATERIALS & WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 INTERNATIONAL BUILDING CODE, THE INTERNATIONAL EXISTING BUILDING CODE,AND ALL OTHER LOCAL, STATE AND FEDERAL REGULATIONS.
2. STANDARDS: A.S.T.M. DESIGNATIONS AND ALL STANDARDS REFER TO THE LATEST EDITIONS.
3. SITE LIMITATIONS: THE WORK, AS SHOWN ON THIS SET OF DRAWINGS, BUT NOT NECESSARILY LIMITED TO THE WORK AS DRAWN, INCLUDES EXAMINING THE SITE AND ALL CONDITIONS AND LIMITATIONS THEREABOUT. TAKE INTO ACCOUNT ALL SUCH CONDITIONS AND LIMITATIONS, WHETHER OR NOT THE SAME ARE SPECIFICALLY SHOWN OR MENTIONED AS TO BE PART OF THIS WORK, AND ATTAIN THE COMPLETED CONDITIONS AS INDICATED BY THE DRAWINGS.
4. EXISTING CONDITIONS: ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO THE ENGINEER SO THAT PROPER REVISIONS MAY BE MADE. MODIFICATIONS OF DETAILS OF CONSTRUCTION SHALL NOT BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
5. DIMENSIONS: DIMENSIONS INDICATED ARE THE DIMENSIONS TO BE USED FOR CONSTRUCTION. WORKING DIMENSIONS SHALL NOT BE SCALED FROM THE PLANS, SECTIONS, DETAILS, OR ANY OTHER PART OF THE DRAWINGS. DIMENSIONS SHOULD BE TAKEN AS NOTED ON THE PLANS.
6. VERIFICATION: VERIFY ALL DIMENSIONS, ELEVATIONS & SITE CONDITIONS BEFORE STARTING WORK. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
7. SIMILAR WORK: ALL DETAILS AS SHOWN ON THE DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER REFERENCED OR NOT. TYPICAL DETAILS AND NOTES SHALL APPLY UNLESS SHOWN OTHERWISE ON THE PLANS.
8. CONFLICTS: NOTES& DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER THE GENERAL NOTES & TYPICAL DETAILS IN CASE OF CONFLICT. OMISSIONS OR CONFLICT BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH ANY WORK INVOLVED.
9. PROBLEMS: SHOULD, THROUGH THE PROGRESS OF WORK, A PROBLEM DEVELOP, EITHER DUE TO SITE CONDITIONS OR DRAWING ERROR, THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY BEFORE ANY CONTINUANCE OF THE WORK SO THE PROBLEM MAY BE RESOLVED ACCORDING TO DESIGN.
10. CHANGES TO DRAWINGS: OBTAIN PRIOR WRITTEN APPROVAL.
11. CONSTRUCTION METHODS AND PROJECT SAFETY: THE CONTRACT DRAWINGS & SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE METHODS, PROCEDURES OR SEQUENCE OF CONSTRUCTION. TAKE NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE DURING CONSTRUCTION. NEITHER THE OWNER NOR ARCHITECT/ENGINEER WILL ENFORCE SAFETY MEASURES OR REGULATIONS. CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND BRACING. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.
12. TEMPORARY SUPPORTS: CONTRACTOR SHALL PROVIDE AND INSTALL ADEQUATE TEMPORARY SUPPORTS AND ERECTION BRACING TO SAFELY EXECUTE ALL WORK AND SHALL BE FULLY RESPONSIBLE FOR THE SAME.
13. EXCAVATIONS: LOCATE AND PROTECT UNDERGROUND OR CONCEALED CONDUIT, PLUMBING OR OTHER UTILITIES WHERE NEW WORK IS BEING PERFORMED.
14. COORDINATION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES & SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
15. SHOP DRAWINGS: AS A CONVENIENCE TO THE CONTRACTOR AND THE SUBCONTRACTORS, THE ENGINEER WILL REVIEW REQUIRED SHOP DRAWINGS AS TO THEIR GENERAL CONFORMANCE TO THE DESIGN CONCEPT. THE CONTRACTOR AND SUB-CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS PRIOR TO SUBMITTING THEM TO THE ENGINEER.
16. PERMITS: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN NECESSARY PERMITS.
17. OPTIONS: OPTIONS ARE FOR THE CONTRACTOR'S CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY IF HE CHOOSES AN OPTION AND SHALL COORDINATE ALL DETAILS. THE COST OF ADDITIONAL DESIGN WORK NECESSITATED BY THE SELECTION OF AN OPTION SHALL BE BORNE BY THE CONTRACTOR.
18. SUBSTITUTIONS: PROVIDE MANUFACTURER'S APPROVED PRODUCT EVALUATION REPORTS (ESR REPORTS) AND A LIST OF ALL PROPOSED SUBSTITUTIONS TO THE ENGINEER FOR REVIEW AND WRITTEN APPROVAL BEFORE FABRICATION.
19. UNFORESEEN CONDITIONS: INCLUDE AS PART OF THIS WORK MISCELLANEOUS CUTTING AND PATCHING NECESSITATED AS A RESULT OF UNFORESEEN CONDITIONS AND THE REWORKING OF ABUTTING SURFACES AS REQUIRED TO MAKE THE NEW WORK JOIN AND MATCH EXISTING SURFACES TO REMAIN, BOTH ON THE SITE AND ON ADJACENT PROPERTY.
20. PIPES, DUCTS, SLEEVES, CHASES, ETC.: SHALL NOT BE PLACED IN SLABS, BEAMS, OR WALLS UNLESS SPECIFICALLY SHOWN OR NOTED, NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR PIPES, DUCTS, ETC., UNLESS SPECIFICALLY SHOWN. OBTAIN PRIOR WRITTEN APPROVAL FOR INSTALLATION OF ANY ADDITIONAL PIPES, DUCTS, ETC.
21. CONSTRUCTION LOADS: MATERIALS SHALL BE EVENLY DISTRIBUTED IF PLACED ON FRAMED FLOORS OR ROOFS. LOADS SHALL NOT EXCEED THE ALLOWABLE LOADING FOR THE SUPPORTING MEMBERS AND THEIR CONNECTIONS.

ANCHOR BOLTS IN UNREINFORCED MASONRY (STONE)

1. ANCHOR BOLTS SHALL BE ALL-THREAD OR EQUAL TO A-615 STEEL. EMBED BOLTS PER PLAN.
2. EPOXY ANCHOR BOLTS SHALL BE SIMPSON SET XP OR HILTI (ICC ESR NO. 1702, OR APPROVED EQUAL.
3. CONTINUOUS INSPECTION BY A REGISTERED SPECIAL INSPECTOR PER SECTION 1701 OF THE INTERNATIONAL BUILDING CODE IS REQUIRED FOR ALL EPOXY ANCHORS EXCEPT AS NOTED.
4. FIVE PERCENT OF ALL TENSION OR COMBINATION ANCHORS SHALL BE TENSION TESTED TO A MINIMUM OF 3000 LBS FOR 5 MINUTES BY OWNER'S SPECIAL INSPECTOR.
5. 25% OF ALL EPOXY ANCHORS SHALL BE TORQUE TESTED BY A REGISTERED SPECIAL INSPECTOR.
6. ALL ANCHOR BOLTS EMBEDDED IN EXISTING WALLS SHALL CONFORM TO THE FOLLOWING:
   A. DRILLING SHALL BE DONE WITH ELECTRIC ROTARY DRILL.
   B. DRILLED HOLES SHALL BE CLEANED AS RECOMMENDED BY ANCHOR BOLT MANUFACTURER.
   C. BOLTS SHALL BE PLACED 6" AWAY FROM THE VERTICAL BOUNDARIES OF JOIST POCKETS.
   D. TEST BOLTS BY TORQUE TESTING AS FOLLOWS: 3/4" DIA. BOLTS - 60 FT-LBS.
6. IMPACT TYPE TOOLS SHALL NOT BE USED ON ANY EXISTING MASONRY BUILDINGS. WORKMANSHIP SHALL MINIMIZE DAMAGE TO EXISTING CONSTRUCTION.

CONCRETE

1. MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE, F'c. SHALL BE AS FOLLOWS AT 28 DAYS, UNLESS NOTED OTHERWISE:
   A. FOOTINGS 2,500 PSI
2. ALL CONCRETE SHALL BE REGULAR WEIGHT HARD ROCK TYPE CONCRETE UNLESS NOTED OTHERWISE. AGGREGATES SHALL CONFORM TO A.S.T.M. C-33.
3. CEMENT SHALL CONFORM TO A.S.T.M. C-150, TYPE II, LA.
4. CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF FIVE DAYS AFTER PLACEMENT. ALTERNATE METHODS OF CURING MAY BE ACCEPTED WITH PRIOR ENGINEER'S APPROVAL REQUIRED.
5. CONCRETE SLUMP SHALL NOT EXCEED 5 INCHES.
6. CONCRETE SHALL NOT FREE FALL MORE THAN 6 FEET. USE TREMIE OR PUMP.

FRAMING LUMBER

- EACH PIECE OF STRUCTURAL LUMBER, SHEATHING, AND TIMBER SHALL BE MARKED WITH THE GRADE BY SUCH COMPETENT AND RELIABLE ORGANIZATION WHOSE REGULAR BUSINESS IS TO ESTABLISH LUMBER GRADES.

1. ALL STRUCTURAL LUMBER SHALL BE DOUGLAS FIR-LARCH OF THE FOLLOWING MINIMUM GRADES:
   A. 2X FRAMING AND PLATES.....#1 OR BETTER
   B. BEAMS, HEADERS, POSTS AND ALL OTHER 4X AND LARGER MEMBERS - U.N.O.....#1
2. STRUCTURAL PLYWOOD SHALL BE DOUGLAS FIR CONFORMING TO PRODUCT STANDARD PS-1-09 WITH EXTERIOR GLUE AND SHALL BE STAMPED BY AN APPROVED FABRICATOR. OSB SHALL NOT BE USED.
3. INSTALLATION OF VERTICAL AND HORIZONTAL SHEATHING SHALL BE APPROVED BY THE INSPECTOR PRIOR TO COVERING.
4. FRAMING HANGERS, CAPS, HOLDOWNS, BASES, ANCHORS, CONNECTORS AND OTHER ELEMENTS SHALL BE AS MANUFACTURED BY SIMPSON COMPANY OR AN APPROVED EQUAL.
5. CUT WASHERS SHALL BE PLACED UNDER HEADS AND NUTS OR ALL BOLTS AND UNDER HEADS OF LAG BOLTS.
6. COMMON NAILS SHALL BE USED. BOX NAILS MAY NOT BE USED FOR DIAPHRAGM NAILING.
7. SAWN LUMBER SHALL HAVE A MAXIMUM 19% MOISTURE CONTENT

STRUCTURAL & MISC. STEEL

1. ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE A.I.S.C. SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, LATEST EDITION.
2. CHANNELS, ANGLES AND MISC. STEEL SHALL CONFORM TO A.S.T.M. A-36, UNLESS NOTED OTHERWISE.
3. ALL BOLTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS NOTED OTHERWISE.
4. ALL WELDING IS TO COMPLY WITH A.W.S. STANDARDS AND IS TO BE DONE BY WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED AS REQUIRED BY THE BUILDING DEPARTMENT.
5. ALL WELDING IS TO BE DONE BY ELECTRIC ARC PROCESS WITH E70XX ELECTRODES. E70-T4 ELECTRODE IS NOT ALLOWED.
6. ALL WELDING SHALL BE DONE IN A SHOP OF A LICENSED FABRICATOR OR WITH CONTINUOUS INSPECTION BY A REGISTERED BUILDING INSPECTOR. FILLET WELDS MAY BE FIELD WELDED BY CERTIFIED WELDERS WITH PERIODIC INSPECTION BY OWNER'S SPECIAL INSPECTOR.
7. A CERTIFICATE OR FABRICATION FROM THE SHOP PERFORMING THE WELDING OR A REPORT FROM THE SPECIAL INSPECTOR MUST BE FURNISHED TO THE JOB INSPECTOR PRIOR TO FRAMING APPROVAL.
8. ALL FABRICATION SHALL BE DONE IN THE SHOP OF A LICENSED FABRICATOR.

REPAIR OF STONE & BRICK MASONRY

1. MORTAR MIX TO BE 1 PART CEMENT, 1/4 TO 1/2 PART HYDRATED LIME, OR LIME PUTTY, 10 PARTS SAND (BY VOLUME). MORTAR COLOR TO BE APPROVED BY OWNER.

ROOF COVERING AND FLASHING

1. CLASS A ROOF COVERING SHALL BE PROVIDED USING MATERIALS/ INSTALLATION PER CAL FIRE LISTING NO. 4150-1735:0101, DATED JULY 1, 2020 AND PER ICC-ESR-1410, DATED JUNE 2020
2. WOOD SHINGLES SHALL BE PRESSURE TREATED, FIRE RETARDANT NO.1 GRADE WESTERN RED CEDAR SHINGLES, 24" LONG, LAID W/ 7-1/2" EXPOSURE.
3. ROOFING UNDERLAYMENT SHALL BE 72-LB MINERAL SURFACE FIBERGLASS CAP SHEET, ASTM D3909, JOHNS-MANVILLE GLASKAP OR EQUIVALENT.

STATEMENT OF SPECIAL INSPECTIONS

1. THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION.
2. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
3. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS.
4. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
5. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS.
6. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK.
7. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
8. CONTINUOUS SPECIAL INSPECTION MEANS THAT THE SPECIAL INPECTOR IS ON THE SITE AT ALL TIMES OBSERVING THE WORK REQUIRING SPECIAL INSPECTION.
9. SOME INSPECTIONS MAY BE MADE ON A PERIODIC BASIS AND SATISFY THE REQUIREMENTS OF CONTINUOUS INSPECTION, PROVIDED THIS PERIODIC SCHEDULED INSPECTION IS PERFORMED AS APPROVED BY THE ENGINEER.

DESIGN CRITERIA

- GOVERNING CODES

1. 2022 INTERNATIONAL BUILDING CODE AND REFERENCED STANDARDS

2. ASCE 7-10

SEISMIC:

ANALYSIS PROCEDURE: EQUIVALENT STATIC METHOD

1. MAPPED SPECTRAL RESPONSE ACCELERATIONS	S_S	=
	S_1	=
2. SITE CLASS - ASSUMED		= D
3. RESPONSE COEFFICIENTS	S_{DS}	= 0.667
	S_{D1}	= 0.214
4. SEISMIC DESIGN CATEGORY		= D
5. RESPONSE MODIFICATION FACTOR (R)		= 1.5
6. IMPORTANCE FACTOR (I)		= 1.0
7. RISK CATEGORY		= II
8. BASIC SEISMIC-FORCE-RESISTING SYSTEM		= ELF
9. SEISMIC RESPONSE COEFFICIENT, C_s		=

WIND

1. IMPORTANCE FACTOR (I)	= 1.0
2. BASIC WIND SPEED (3 - SECOND GUST)	= 120 mph
3. WIND PRESSURE	=
4. WIND EXPOSURE	= C

GRAVITY LOADS:

1. ROOF DEAD LOAD	= 20 PSF
2. ROOF LIVE LOAD	= 16 PSF 8:12
3. FLOOR DEAD LOAD	= 10 PSF
4. FLOOR LIVE LOAD	= EXISTING

SNOW LOADS:

GROUND SNOW LOAD = 83 PSF

INSPECTION REQUIREMENTS

1. SPECIAL INSPECTION SHALL BE PROVIDED FOR THE FOLLOWING:
   a) INSTALLATION OF ALL EPOXY ANCHORS (IN ADOBE AND IN CONCRETE)
   b) DURING FIELD WELDING OF STRUCTURAL STEEL

PROFESSIONAL ENGINEER - STATE OF NEVADA
MELVYN GREEN
Exp. 06/30/25
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General Notes

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Structural Engineers
Historic Preservation

04/05/23

KGP

202305

SUBMITTAL SET

S-1

OF 7 SHEETS

SECTION 076200 - SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:
1. FORMED STEEP-SLOPE ROOF SHEET METAL FABRICATIONS.

1.2 SHEET METALS

A. METALLIC-COATED STEEL SHEET: PROVIDE ZINC-COATED (GALVANIZED) STEEL SHEET IN ACCORDANCE WITH ASTM A653/A653M, G90 COATING DESIGNATION.
1. SURFACE: SMOOTH, FLAT

1.3 MISCELLANEOUS MATERIALS

A. GENERAL: PROVIDE MATERIALS AND TYPES OF FASTENERS, , PROTECTIVE COATINGS, SEALANTS, AND OTHER MISCELLANEOUS ITEMS AS REQUIRED FOR COMPLETE SHEET METAL FLASHING AND TRIM INSTALLATION AND AS RECOMMENDED BY MANUFACTURER OF PRIMARY SHEET METAL UNLESS OTHERWISE INDICATED.

B. FASTENERS: WOOD SCREWS, ANNULAR THREADED NAILS, SELF-TAPPING SCREWS, SELF-LOCKING RIVETS AND BOLTS, AND OTHER SUITABLE FASTENERS DESIGNED TO WITHSTAND DESIGN LOADS AND RECOMMENDED BY MANUFACTURER OF PRIMARY SHEET METAL OR MANUFACTURED ITEM.
1. FASTENERS FOR ZINC-COATED (GALVANIZED) STEEL SHEET: SERIES 300 STAINLESS STEEL OR HOT-DIP GALVANIZED STEEL IN ACCORDANCE WITH ASTM A153/A153M OR ASTM F2329.

C. SEALANT TAPE: PRESSURE-SENSITIVE, 100 PERCENT SOLIDS, POLYISOBUTYLENE COMPOUND SEALANT TAPE WITH RELEASE-PAPER BACKING. PROVIDE PERMANENTLY ELASTIC, NONSAG, NONTOXIC, NONSTAINING TAPE 1/2 INCH WIDE AND 1/8 INCH THICK.

D. REGLETS: UNITS OF TYPE, MATERIAL, AND PROFILE REQUIRED, FORMED TO PROVIDE SECURE INTERLOCKING OF SEPARATE REGLET AND COUNTERFLASHING PIECES, AND COMPATIBLE WITH FLASHING INDICATED WITH FACTORY-MITERED AND -WELDED CORNERS AND JUNCTIONS AND WITH INTERLOCKING COUNTERFLASHING ON EXTERIOR FACE, OF SAME METAL AS REGLET.
1. MATERIAL: GALVANIZED STEEL, 0.022 INCH THICK.

1.4 FABRICATION, GENERAL

A. CUSTOM FABRICATE SHEET METAL FLASHING AND TRIM TO COMPLY WITH DETAILS INDICATED AND RECOMMENDATIONS IN CITED SHEET METAL STANDARD THAT APPLY TO DESIGN, DIMENSIONS, GEOMETRY, METAL THICKNESS, AND OTHER CHARACTERISTICS OF ITEM REQUIRED.
1. FABRICATE SHEET METAL FLASHING AND TRIM IN SHOP TO GREATEST EXTENT POSSIBLE.
2. FORM SHEET METAL FLASHING AND TRIM TO FIT SUBSTRATES WITHOUT EXCESSIVE OIL-CANNING, BUCKLING, AND TOOL MARKS; TRUE TO LINE, LEVELS, AND SLOPES; AND WITH EXPOSED EDGES FOLDED BACK TO FORM HEMS.

B. FABRICATE CLEATS AND ATTACHMENT DEVICES FROM SAME MATERIAL AS ACCESSORY BEING ANCHORED OR FROM COMPATIBLE, NONCORROSIVE METAL.

C. SEAMS:
1. FABRICATE NONMOVING SEAMS WITH FLAT-LOCK SEAMS. TIN EDGES TO BE SEAMED, FORM SEAMS, AND SOLDER.

1.5 STEEP-SLOPE ROOF SHEET METAL FABRICATIONS

RETAIN PARAGRAPHS IN THIS ARTICLE TO SUIT PROJECT. ALTHOUGH THE MOST COMMON FABRICATIONS ARE INCLUDED, INSERT DESCRIPTIONS OF OTHERS IF REQUIRED.

A. APRON, STEP, CRICKET, AND BACKER FLASHING: FABRICATE FROM THE FOLLOWING MATERIALS:
1. GALVANIZED STEEL: 0.022 INCH THICK.

B. VALLEY FLASHING: FABRICATE FROM THE FOLLOWING MATERIALS:
1. GALVANIZED STEEL: 0.028 INCH THICK.

PART 2 - EXECUTION

2.1 INSTALLATION, GENERAL

A. INSTALL SHEET METAL FLASHING AND TRIM TO COMPLY WITH DETAILS INDICATED AND RECOMMENDATIONS OF CITED SHEET METAL STANDARD THAT APPLY TO INSTALLATION CHARACTERISTICS REQUIRED UNLESS OTHERWISE INDICATED ON DRAWINGS.
1. INSTALL FASTENERS, , PROTECTIVE COATINGS, SEPARATORS, SEALANTS, AND OTHER MISCELLANEOUS ITEMS AS REQUIRED TO COMPLETE SHEET METAL FLASHING AND TRIM SYSTEM.
2. INSTALL SHEET METAL FLASHING AND TRIM TRUE TO LINE, LEVELS, AND SLOPES. PROVIDE UNIFORM, NEAT SEAMS WITH MINIMUM EXPOSURE OF SOLDER WELDS SEALANT.
3. ANCHOR SHEET METAL FLASHING AND TRIM AND OTHER COMPONENTS OF THE WORK SECURELY IN PLACE, WITH PROVISIONS FOR THERMAL AND STRUCTURAL MOVEMENT.
4. INSTALL SHEET METAL FLASHING AND TRIM TO FIT SUBSTRATES AND TO RESULT IN WATERTIGHT PERFORMANCE.

RETAIN ONE OR BOTH OF FIRST TWO SUBPARAGRAPHS TO SUIT PROJECT.
5. INSTALL CONTINUOUS CLEATS WITH FASTENERS SPACED NOT MORE THAN 12 INCHES O.C.
6. SPACE INDIVIDUAL CLEATS NOT MORE THAN 12 INCHES APART. ATTACH EACH CLEAT WITH AT LEAST TWO FASTENERS. BEND TABS OVER FASTENERS.

REVISE BOTH SUBPARAGRAPHS BELOW TO SUIT PROJECT.

B. FASTENERS: USE FASTENER SIZES THAT PENETRATE SUBSTRATE NOT LESS THAN RECOMMENDED BY FASTENER MANUFACTURER TO ACHIEVE MAXIMUM PULL-OUT RESISTANCE.

C. SEAL JOINTS AS REQUIRED FOR WATERTIGHT CONSTRUCTION.
1. USE SEALANT-FILLED JOINTS UNLESS OTHERWISE INDICATED.

RETAIN FIRST SUBPARAGRAPH BELOW WHEN FABRICATIONS WITH HOOKED FLANGES ARE SPECIFIED.

a. EMBED HOOKED FLANGES OF JOINT MEMBERS NOT LESS THAN 1 INCH INTO SEALANT.

b. FORM JOINTS TO COMPLETELY CONCEAL SEALANT.

c. WHEN AMBIENT TEMPERATURE AT TIME OF INSTALLATION IS BETWEEN 40 AND 70 DEG F, SET JOINT MEMBERS FOR 50 PERCENT MOVEMENT EACH WAY.

d. ADJUST SETTING PROPORTIONATELY FOR INSTALLATION AT HIGHER AMBIENT TEMPERATURES.

1) DO NOT INSTALL SEALANT-TYPE JOINTS AT TEMPERATURES BELOW 40 DEG F .

RETAIN "SPLASH PANS" PARAGRAPH BELOW FOR METAL SPLASH PANS.

2.2 INSTALLATION OF ROOF FLASHINGS

RETAIN OPTION IN FIRST PARAGRAPH BELOW IF MANUFACTURED REGLETS ARE REQUIRED.

A. COUNTERFLASHING: COORDINATE INSTALLATION OF COUNTERFLASHING WITH INSTALLATION OF BASE FLASHING.
1. INSERT COUNTERFLASHING IN REGLETS OR RECEIVERS AND FIT TIGHTLY TO BASE FLASHING.
2. EXTEND COUNTERFLASHING 4 INCHES OVER BASE FLASHING.
3. LAP COUNTERFLASHING JOINTS MINIMUM OF 4 INCHES.

2.3 INSTALLATION TOLERANCES

A. INSTALLATION TOLERANCES: SHIM AND ALIGN SHEET METAL FLASHING AND TRIM WITHIN INSTALLED TOLERANCE OF 1/4 INCH IN 20 FEET ON SLOPE AND WITHIN 1/8-INCH OFFSET OF ADJOINING FACES AND OF ALIGNMENT OF MATCHING PROFILES.

2.4 CLEANING

A. CLEAN EXPOSED METAL SURFACES OF SUBSTANCES THAT INTERFERE WITH UNIFORM OXIDATION AND WEATHERING. CLEAN OFF EXCESS SEALANTS.

2.5 PROTECTION

A. REMOVE TEMPORARY PROTECTIVE COVERINGS AND STRIPPABLE FILMS AS SHEET METAL FLASHING AND TRIM ARE INSTALLED UNLESS OTHERWISE INDICATED IN MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

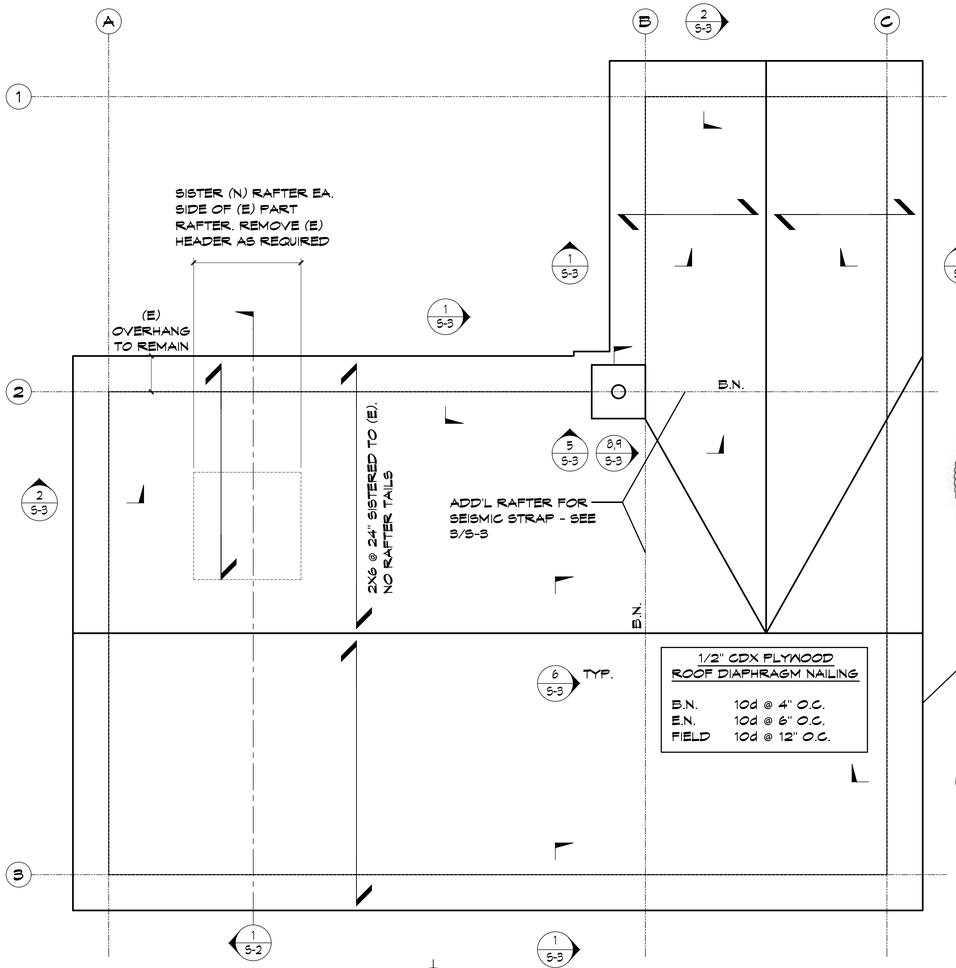
END OF SECTION 076200

ROOFING MATERIAL / INSTALLATION NOTES

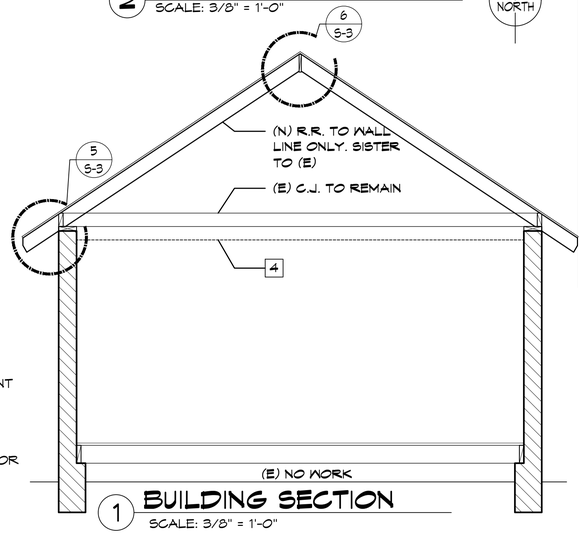
CLASS A ROOF COVERING SHALL BE PROVIDED USING MATERIALS/INSTALLATION
PER CAL FIRE LISTING NO. 4150-1735:0101, DATED JULY 1, 2020 and
PER ICC-ESR-1410, DATED JUNE 2022 - SEE A-3

(N) WOOD SHINGLES SHALL BE PRESSURE TREATED, FIRE RETARDANT NO.1 GRADE WESTERN RED CEDAR SHINGLES, 16" LONG, LAID W/ 5" EXPOSURE.

(N) ROOFING UNDERLAYMENT SHALL BE 72-LB MINERAL SURFACE FIBERGLASS CAP SHEET, ASTM D3909, JOHNS-MANVILLE GLASKAP OR EQUIVALENT.



2 ROOF FRAMING PLAN
SCALE: 3/8" = 1'-0"



1 BUILDING SECTION
SCALE: 3/8" = 1'-0"

NORTH

ANCHOR BOLT SCHEDULE		
GRIDLINE	BOLT SPACING O.C.	REFERENCE DETAIL
A	16	
B	24	1/S-3
C	16	1/S-3 FROM 1 - 2
1	16	
2	16	1/S-3
3	24	1/S-3

NOTES:

1. FIRST BOLT SHALL BE INSTALLED @ MAX OF 24" FROM INSIDE EDGE OF ADJACENT WALL.

2. ** SEE ROOF PLAN FOR ADDITIONAL BOLTS @ CORNERS..

CONNECTION MATERIALS

EPOXY - SIMPSON SET XP W/ 5/8Ø THREADED ROD CONCRETE WALL MIN. EMBED. 5-5/8"
W/ 5/8Ø THREADED ROD W/ SCREEN AT HOLLOW CONCRETE BLOCK WALL
(GRIDLINE__)

SUBMITTAL SET

REVISIONS	BY

Roof Framing Plan and Building Section

PROFESSIONAL ENGINEER - STATE OF NEVADA
MELVYN GREEN
Exp. 08/30/2026
CIVIL / STRUCTURAL
No. 3385

Date: 6/30/2025

Community Se
Parks and Gree
1001 E 9th St Rm. D200
Reno, NV 89512

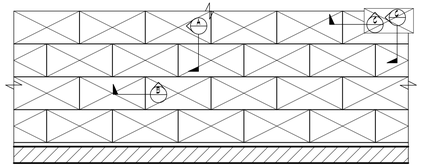
Galena Creek Schoolhouse
Phase 1 Removals and New Roof
1600 Callahan Rd
Reno, NV 89511

GREEN
Melvyn Green & Associates Inc
3868 Carson Street Suite 300
Torrance California 90503
Tel: (310) 792-8992
Fax: (310) 792-8992
Structural Engineers
Historic Preservation

DATE	09/05/23
SCALE	3/8"=1'-0"
DRAWN	KGP
JOB	2023105
SHEET	S-2
	OF 7 SHEETS

PROVIDE BOUNDARY NAILING AROUND THE PERIMETER OF ALL ROOF OPENINGS, THE BOUNDARY OF THE ROOF DIAPHRAGM, AND CONTINUOUS PANEL EDGES.

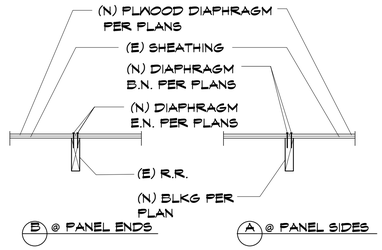
PROVIDE A NEW CLASS "A" ROOF

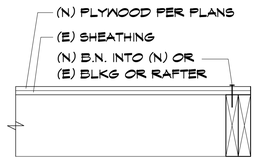


TYP. ROOF PLAN

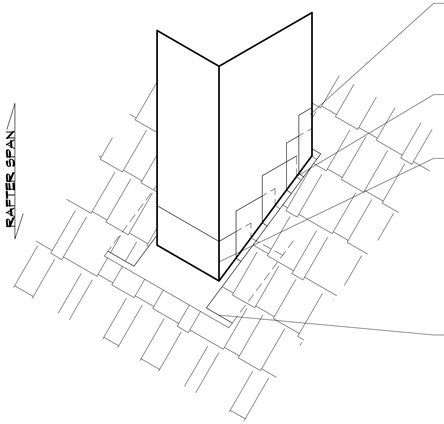
NEW PLYWOOD ROOF SHEATHING

PLYWOOD SHALL BE LAYED LENGTH WISE PERPENDICULAR TO RAFTERS. PANEL ENDS (ñ4' EDGE) SHALL BE ENTERED OVER RAFTER, SO THAT PANEL END AND THE ADJACENT PANEL END NAIL INTO THE SAME RAFTER.





8 NEW ROOF DIAPHRAGM
SCALE: NTS



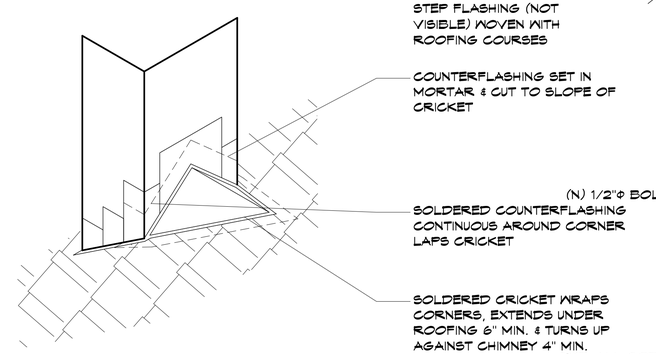
COUNTERFLASHING SET IN MORTAR 1" MIN. @ TOP EDGE, LAPS ITSELF 2" MIN. & LAPS STEP OR SIDE FLASHING 4" MIN.

STEP FLASHING WOVEN WITH ROOFING COURSES

SOLDERED BASE FLASHING WRAPS CORNERS, IS SET IN MORTAR 2" MIN. AT TOP EDGE, EXTENDS UNDER SHINGLES @ SIDES 4" MIN. & LAPS SHINGLES @ BASE 4" MIN. THIS CAN ALSO BE MADE WITH TWO PIECES - A BASE FLASHING WITH COUNTERFLASHING SET IN MORTAR.

ROOFING LAPS BASE FLASHING 4" MIN,

9 MASONRY CHIMNEY FLASHING - SIDE & BASE
SCALE: NTS



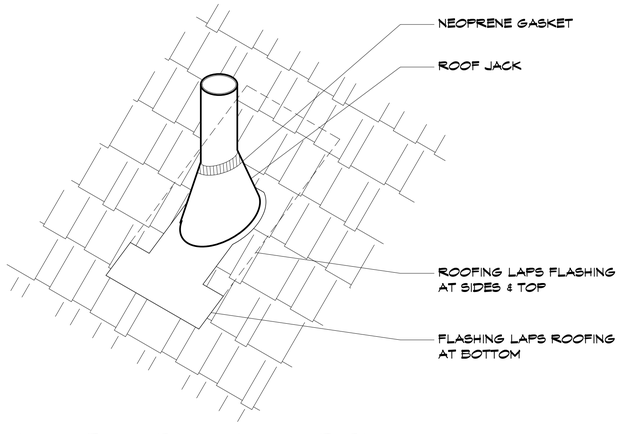
STEP FLASHING (NOT VISIBLE) WOVEN WITH ROOFING COURSES

COUNTERFLASHING SET IN MORTAR & CUT TO SLOPE OF CRICKET

SOLDERED COUNTERFLASHING CONTINUOUS AROUND CORNER LAPS CRICKET

SOLDERED CRICKET WRAPS CORNERS, EXTENDS UNDER ROOFING 6" MIN. & TURNS UP AGAINST CHIMNEY 4" MIN. TYP. ALL CORNERS

8 MASONRY CHIMNEY FLASHING - SIDE & CRICKET
SCALE: NTS



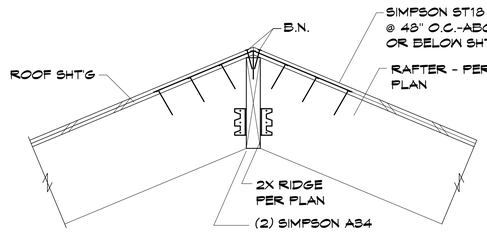
NEOPRENE GASKET

ROOF JACK

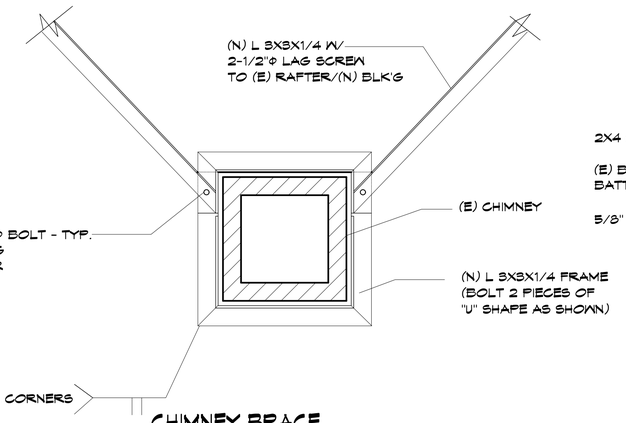
ROOFING LAPS FLASHING AT SIDES & TOP

FLASHING LAPS ROOFING AT BOTTOM

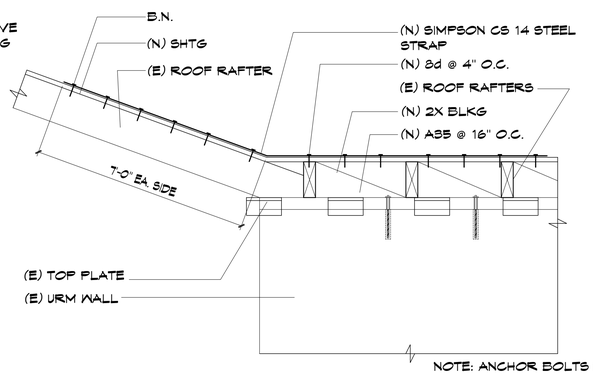
7 SHINGLE ROOF JACKS AND VENTS
SCALE: NTS



6 DETAIL @ RIDGE - WHERE APPLIES
SCALE: NTS

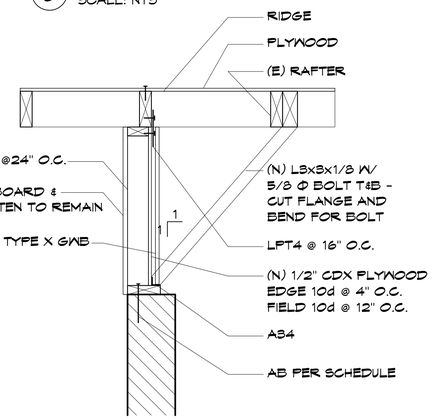


5 CHIMNEY BRACE
SCALE: NTS

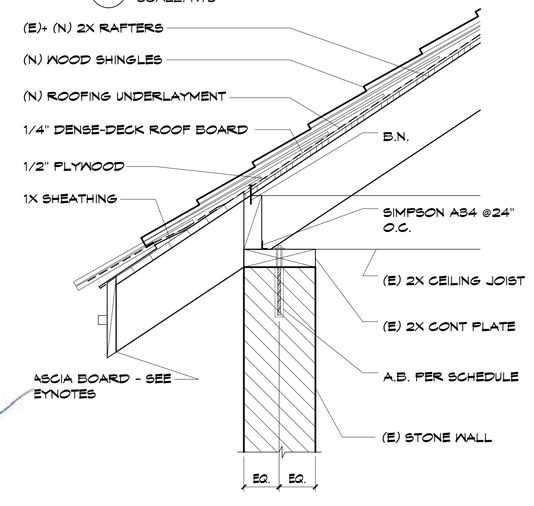


NOTE: ANCHOR BOLTS NOT SHOWN FOR CLARITY

3 DRAG STRUT DETAIL
SCALE: NTS



2 GABLE END
SCALE: NTS



1 OVERHANG/ ROOF ASSEMBLY
SCALE: NTS

PROFESSIONAL ENGINEER - STATE OF NEVADA
MELVYN GREEN
Exp: 06/30/13
CIVIL
STRUCTURAL
No. 3385
Date: 6/30/2025

SUBMITTAL SET

REVISIONS	BY

Details

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1001 E 9th St Rm. D200
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Galena Creek Schoolhouse
Phase 1 Removals and New Roof
1600 Callahan Rd
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Structural Engineers
Historic Preservation

DATE	09/05/23
SCALE	AS NOTED
DRAWN	KGP
JOB	2023105
SHEET	S-3
	OF 7 SHEETS