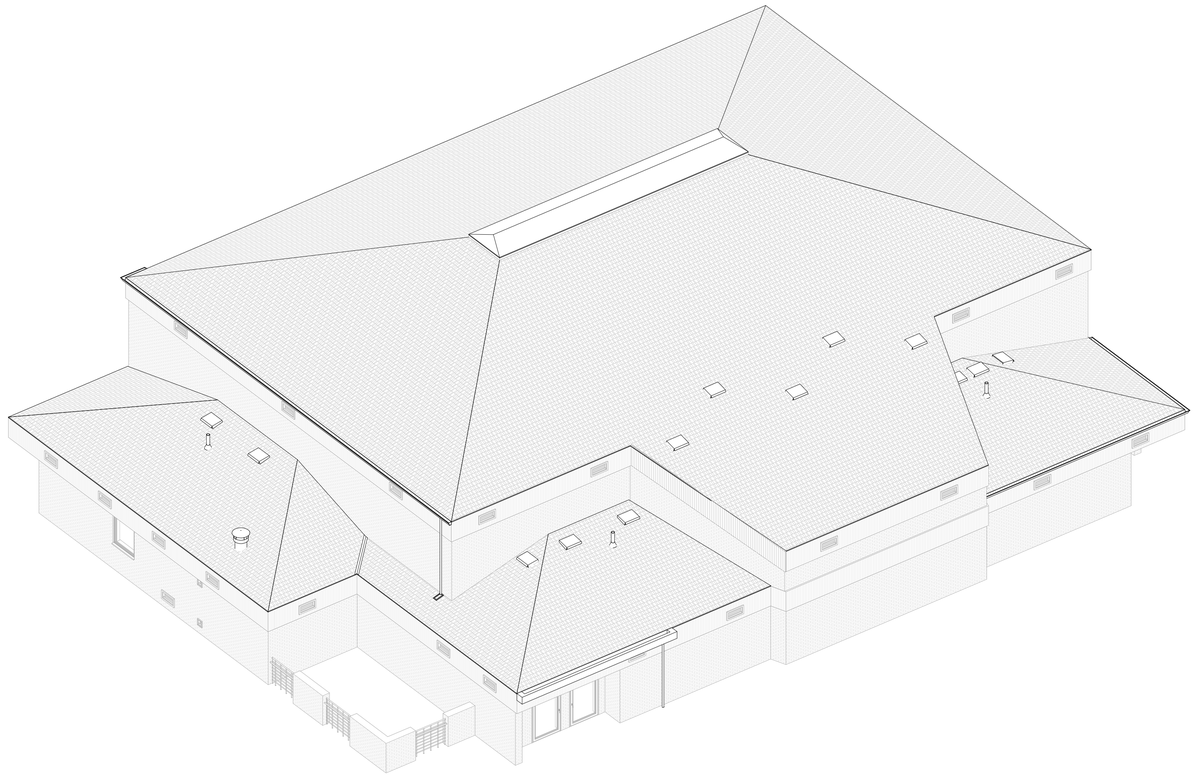
WEST WEBER CULTURAL CENTER

ROOF REPLACEMENT - APRIL, 2024



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4100 WEST 900 S
WEST WEBER, UTAH
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

REVISIONS :

#	DESCRIPTION	DATE

PROJECT NO. 23162
DRAWN BY: JL Architecture
CHECKED BY: ATW/CEG
ISSUE DATE: APRIL, 2024
CLIENT PROJECT/PROPERTY NO. 5022681

COVER SHEET

G001

ROOF REPLACEMENT

ABBREVIATIONS

ABBR	Definition
&	AND
@	AT
Ø	DIAMETER
(E), EXIST.	EXISTING
(N)	NEW
d	PENNY
#	POUND OR NUMBER
A	
A.F.F.	ABOVE FINISHED FLOOR
AC.	ACOUSTIC
ADD.	ADDENDUM
A/C.	AIR CONDITIONING
ALT.	ALTERNATE
AL/ALUM.	ALUMINUM
A.B.	ANCHOR BOLT
ARCH	ARCHITECT(URAL)
ASP.	ASPHALT
B	
BSMT.	BASEMENT
B.M.	BENCHMARK
BLKG.	BLOCKING
BD.	BOARD
B.O.	BOTTOM OF
BLDG.	BUILDING
C	
CABT.	CABINET
C.I.P.	CAST IN PLACE
C.B.	CATCH BASIN
CLG.	CEILING
CL.	CENTER LINE
C.T.	CERAMIC TILE
CH.	CHANNEL
C.O.	CLEAN OUT
CLR.	CLEAR
CL.	CLOSET
COL.	COLUMN
CONC.	CONCRETE
CMU	CONCRETE MASONRY UNIT
COND.	CONDITION
CONN.	CONNECTION
CONST.	CONSTRUCTION
CONT	CONTINUOUS
CJ	CONTROL JOINT
D	
D.P.	DAMP PROOFING
D.B.	DECK BEARING
DIAG.	DIAGONAL
DIA	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DWL.	DOWEL
DN.	DOWN
D.S.	DOWN SPOUT
D.W.V.	DRAINAGE WASTE VENT

ABBR	Definition
DWG.	DRAWING
E	
EA.	EACH
E.W.C.	ELEC. WATER COOLER
EL./ELEC.	ELECTRIC
ELEV.	ELEVATION
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXH.	EXHAUST
EXIST.	EXISTING
E.J.	EXPANSION JOINT
EXT.	EXTERIOR
F	
FT.	FEET
FV/F.V.	FIELD VERIFY
FIN.	FINISH(ED)
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
FIXT.	FIXTURE
FL.	FLASHING
FD	FLOOR DRAIN
FURN.	FURNACE
G	
GPF	GALLONS PER FLUSH
GALV.	GALVANIZED
GA.	GAUGE
G.C.	GENERAL CONTRACTOR
G.S.N.	GENERAL STRUCTURAL NOTES
GL.	GLASS
GD.	GRADE
GRL.	GRILLE
GRD.	GROUND
GYP.	GYPSUM
H	
H.C.	HANDI-CAP
HDW.	HARDWARE
HDWD.	HARDWOOD
HTR.	HEATER
HT.	HEIGHT
H.P.	HIGH POINT
H.S.	HIGH SLOPE
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
H.B.	HOSE BIB
H.W.	HOT WATER
HR.	HOUR
I	
IN.	INCH
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
J	
JAN.	JANITOR
JT.	JOINT

ABBR	Definition
JST.	JOIST
L	
LAM.	LAMINATED
LDG.	LANDING
LAV.	LAVATORY
LT.	LIGHT
L.W.C.	LIGHT WEIGHT CONCRETE
LVR.	LOUVER
L.S.	LOW SLOPE
M	
M.B.	MACHINE BOLT
MH.	MANHOLE
MFR.	MANUFACTURER
M.O.	MASONRY OPENING
MAT'L	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MTL.	METAL
MIN.	MINIMUM
MLDG.	MOLDING
MULL.	MULLION
N	
N.G.	NATURAL GRADE
NOM.	NOMINAL
N/A	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
N.O.	NUMBER
O	
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.R.D.	OVERFLOW ROOF DRAIN
O.F.S.	OVERFLOW SCUPPER
O.H.	OVERHANG
O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED, OWNER INSTALLED
P	
PT.	PAINT
PTD.	PAINTED
PR.	PAIR
PNL.	PANEL
P.	PENNY
P.L.	PLASTIC LAMINATE
PL.	PLATE
PLBG.	PLUMBING
P.S.I.	POUND PER SQUARE INCH
P.S.F.	POUNDS PER SQUARE FOOT
R	
RAD.	RADIUS
REC.	RECOMMENDATION
RE./REF.	REFERENCE
RCP.	REFLECTED CEILING PLAN
REG.	REGISTER
REQ'D	REQUIRED

ABBR	Definition
R.A.	RETURN AIR
REV.	REVISION
R.D.	ROOF DRAIN
RFG.	ROOFING
RM.	ROOM
RGH.	ROUGH
RND.	ROUND
S	
SCR.	SCREW
SEC./SECT.	SECTION
SEL.	SELECT
SHT.	SHEET
SIM.	SIMILAR
SLDG.	SLIDING
SM.	SMOOTH
SPEC.	SPECIFICATION
SPL.	SPLASH
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STRUC.	STRUCTURE
S.A.	SUPPLY AIR
SUSP.	SUSPENDED
SW.BD.	SWITCHBOARD
T	
TELCO	TELEPHONE COMPANY
T.G.	TEMPERED GLASS
T&G	TONGUE & GROOVE
T&B	TOP & BOTTOM
T.O.	TOP OF
T.O.C.	TOP OF CURB
T.O.D.	TOP OF DECK
T.O.P.	TOP OF PARAPET
TYP.	TYPICAL
U	
U.N.O.	UNLESS NOTED OTHERWISE
V	
V.	VENT
V.T.R.	VENT THROUGH ROOF
VERT.	VERTICAL
V.G.	VERTICAL GRAIN
VEST.	VESTIBULE
V.C.T.	VINYL COMPOSITION TILE
V.C.P.	VITREOUS CLAY PIPE
W	
W.C.	WATER CLOSET
W.H.	WATER HEATER
W.R.	WATER RESISTANT
W.P.	WATERPROOF
WT.	WEIGHT
W.W.F.	WELDED WIRE FABRIC
W.F.	WIDE FLANGE
WDW.	WINDOW
W/	WITH
W/O	WITHOUT
WD.	WOOD

VICINITY MAP

CODE ANALYSIS

APPLICABLE CODES

International Building Code: _____ National Electrical Code: _____

International Mechanical Code: _____ Uniform Code for Building Conservation: _____

International Plumbing Code: _____

International Fire Code: _____ ADA Accessibility Guidelines: _____

International Energy Conservation Code: _____

A. Occupancy and Group:
Change in Use: YES _____ NO _____ Mixed Occupancy: YES _____ NO _____
Special Use and Occupancy (i.e. High Rise, Covered Mall): _____

B. Seismic Design Category: **?** Design Wind Speed: **?**

C. Type of Construction (circle one):

I	I	II	II	III	III	IV	IV	V	V
A	B	A	B	A	B	A	B	(A)	B

D. Fire Resistance Rating - Requirements for the Exterior Walls based on the fire separation distance (in hours):
North: **?** East: **?** South: **?** West: **?**

E. Mixed Occupancies: Non-separated Uses:

F. Sprinklers:
Required: Provided: Type of Sprinkler System:

G. Number of Stories: Building Height: **0"**

H. Actual Area per Floor (square feet):

J. Tabular Area: **25000**

K. Area Modifications -

a) Single Occupancy (multistory buildings):

$A_a = [A_t + (NS \times I_f)] \times S_a$ $I_f = [F/P - 0.25]$ W/30

b) Mixed Occupancy (multistory buildings):

$A_a = [A_t + (NS \times I_f)]$ $I_f = [F/P - 0.25]$ W/30

c) Sum of the Ratio Calculation for Mixed Occupancies

Actual Area/Allowable Area ≤ 1 **0 SF / 0 SF =**

d) Total Allowable Area for:
1) One Story:
2) Two Story: $A_a(2)$
2) Three Story: $A_a(3)$

e) Unlimited Area Building - Yes No Code Section:

L. Fire Resistance Rating Requirements for Building Elements (hours) -

ELEMENT	HOURS	ASSEMBLY LISTING
Primary Structural Frame		
Bearing Walls - Exterior		
Bearing Walls - Interior		
Nonbearing Walls/Partitions - Exterior		
Nonbearing Walls/Partitions - Interior		
Floor construction and associated secondary members		
Roof construction and associated secondary members		
Exterior Doors & Windows		
Shaft Enclosures		
Fire Barriers		
Fire Walls		
Fire Partitions		
Smoke Partitions		

M. Design Occupant Load:
Exit Width Required:
Exit Width Provided:

N. Minimum Number of Plumbing Fixtures (see tables within code plans for calculations and counts based on Occupancy Use Classification).

FOOTNOTES:

1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings, including, but not limited to -
a. High Rise Requirements
b. Atriums
c. Performance Base Criteria
d. Means or Egress Criteria
e. Fire Assembly Locator Sheet
f. Exterior and Interior Accessibility Route
g. Fire Stopping, including tested design number
h. Fire Penetration Details

3) See Code Plan sheets for Additional information.

THESE DOCUMENTS MEET ALL REQUIREMENTS OF DFCM STANDARDS FOUND AT www.dfcm.utah.gov

SPECIAL INSPECTIONS

SEE STRUCTURAL DRAWINGS FOR SPECIAL INSPECTIONS REQUIRED.

LEGEND - ROOF PLAN

BUILDING COMPONENTS (ROOF DRAINS, HATCH, ETC.) ARE DRAWN AT 1/4" = 1' - 0". ON PLANS DRAWN AT 1/8" = 1' - 0" SCALE, COMPONENTS SHALL APPEAR HALF THIS SIZE.

TAPERED INSULATION CRICKET WITH 1/8" PER FOOT SLOPE, MINIMUM, ALONG VALLEY AND 1/4" PER FOOT SLOPE, MINIMUM, ACROSS CRICKET.

ROOF DRAIN. SEE DETAIL

ROOF HATCH SEE DETAIL

SLOPE DOWN DIRECTION FOR WATER FLOW TOWARD ROOF DRAINS.

AS ROOF STRUCTURE IS LEVEL (FLAT WITH NO SLOPE) IN THIS AREA, USE TAPERED INSULATION (1/4" PER FOOT SLOPE) FOR DRAINAGE. PROVIDE CRICKETS AS REQUIRED ON THE TOP OF TAPERED INSULATION.

GENERAL NOTES - ROOF

1. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND SHALL REPORT TO THE ARCHITECT ANY UNKNOWN CONDITIONS, ERRORS, OR CONFLICTS IN THE DRAWINGS BEFOREBEGINNING WORK.
2. CRICKET AT ALL MECHANICAL ITEMS, SKYLIGHTS, ROOF HATCHES; 1/4" PER FOO BACKSLOPEN MINIMUM.
3. ROOF/OVERFLOW DRAIN LOCATIONS SHOWN ARE APPROXIMATE; EXACT LOCATION SHALL BE DETERMINED IN FIELD. ROOF/OVERFLOW DRAINS TO BE PLACED TO ONE SIDE OF STRUCTURAL ELEMENT (IF EXISTS) AND INSTALLED AT LOWEST POINT.
4. PROVIDE ROOFTOP WALKING PAD PATHWAY TO ALL AIR HANDLER UNITS, EXHAUST FANS, AND SPLIT UNITS ON ROOF.
5. ALL DRAIN COVERS OR SCREENS ARE TO BE CAST IRON.
6. EXISTING ROOF PENETRATIONS WILL BE FLASHED AND PAINTED.
7. ALL EXISTING ROOF VENTS, MECHANICAL UNITS, ROOF HATCHES, ETC. WILL BE SET ON A CURB A MINIMUM OF 10" ABOVE THE FINISHED ROOF.
8. ALL NEW METAL WILL BE GALVANIZED OR PRE-FINISHED. CAULKING WILL BE SAME COLOR AS METAL.
9. BEFORE FABRICATION OF ANY SHEET METAL WORK, SUBMIT SHOP DRAWINGS TO CONSULTANT FOR REVIEW AND APPROVAL. ALL WORK TO CONFORM TO NRCA OR SMACNA DETAILS AND REQUIREMENTS WHERE NOT SPECIFICALLY DETAILED OTHERWISE.
10. CONTRACTOR TO CHECK ALL MECHANICAL EQUIPMENT BEFORE DISCONNECTING TO MAKE SURE THEY ARE OPERATING PROPERLY, CONTRACTOR IS ALSO RESPONSIBLE FOR UNITS TO BE IN COMPLETE OPERATING CONDITION AT THE COMPLETION OF THE PROJECT. COORDINATE SHUTDOWN WITH USERS.
11. RAIN GUTTERS & DOWNSPOUTS HEADS: RIVETS & SCREWS TO BE PAINTED SAME COLOR (NO SPRAY PAINT), USE POP RIVETS AT ALL CONNECTIONS FROM GUTTERS TO DOWNSPOUT, DOWNSPOUTS TO CONNECT TO EXISTING SUB-GRADE DRAINAGE SYSTEM, WHERE THERE IS EXISTING DRAINAGE SYSTEM, PROVIDE NEW CONNECTION FITTING, DOWNSPOUTS NOT CONNECTED TO DRAINAGE SYTEM WILL EMPTY ONTO A NEW 12"x30" PRE-CAST SPLASH BLOCK, AND ALL JOINTS TO BE SEALED WATER TIGHT.
12. BEFORE REMOVAL OF ROOFING SYSTEM(S) AND BEFORE INSTALLATION OF ALL NEW PIPE JACKS AND PIPE FLASHINGS, VERIFY THAT ALL MECHANICAL FLUES AND VENTS ARE STRAPPED TO PREVENT ANY SETTLEMENT OR SHIFTING INTO ROOF. PRIOR TO COMPLETION OF WORK, CONTRACTOR TO VERIFY THAT MECHANICAL EQUIPMENT VENTING TO HAVE POSITIVE RELEASE FLOW TO ROOF VENT AND FLUE IS SECURE TO ORIGINAL HEIGHT AND ALL CONNECTIONS ARE TIGHT AND SECURE.
13. ANY SIDING, FASCIA, ETC. THAT NEEDS TO BE REMOVED TO COMPLETE THIS JOB IS TO BE PART OF THE CONTRACT. CARE MUST BE TAKEN TO ENSURE THAT ALL ITEMS TO BE REINSTALLED ARE NOT DAMAGED DURING REMOVAL AND/OR INSTALLATION. ALL PIECES THAT ARE DAMAGED WILL BE REPLACED BY CONTRACTOR.
14. AT THE END OF CONSTRUCTION, CONTRACTOR IS TO CLEAN OUT AND FLUSH ALL RAIN GUTTERS & DOWNSPOUTS TO MAKE SURE THEY ARE NOT PLUGGED AND ARE IN WORKING CONDITION.
15. CONTRACTOR SHALL WORK WITH LOCAL REPRESENTATIVE ON SCHEDULING TO INSURE CONTINUED USE OF THE BUILDING. NEITHER THE CONTRACTOR NOR ANY OF HIS PEOPLE SHALL HAVE ACCESS TO THE BUILDING WITHOUT PRIOR AUTHORIZATION.
16. ALL SAFETY STANDARDS AND REQUIREMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ADEQUATE BARRICADES AND PROTECTIVE DEVICES SEPARATING CONSTRUCTION AREAS. TEMPORARY PASSAGES SHALL BE PROVIDED AS REQUIRED. PRIOR TO DELIVERY OF MATERIALS TO CONSTRUCTION ZONE AND REMOVAL OF WASTE FROM SITE, THE CONTRACTOR SHALL CHECK WITH THE OWNER FOR AN ACCEPTABLE ROUTE AND TIME.
17. CONTRACTOR TO COMPLY WITH ALL MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
18. CONTRACTOR RESPONSIBLE TO KEEP BUILDING WATERTIGHT AT ALL TIMES. STARTING FROM NOTICE TO PROCEED TO SUBSTANTIAL COMPLETION ANY DAMAGE TO THE BUILDING OR ITS CONTENTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
19. BEFORE ORDERING ANY MATERIALS, VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. DO NOT SCALE DRAWINGS FOR QUANTITIES.
20. CONTRACTOR TO SUPPLY AN ON SITE PORTABLE RESTROOM. FACILITY RESTROOMS ARE NOT TO BE USED BY CONTRACTOR OR CONTRACTOR'S EMPLOYEES. LOCATION OF PORTABLE RESTROOM TO BE DETERMINED DURING PRE-CONSTRUCTION MEETING.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LOCATION AND SIZE OF OPENINGS FOR ALL TRADES AND SHALL COORDINATE ALL CONSTRUCTION AS INDICATED BY THE CONTRACT DOCUMENTS, INCLUDING SHOP DRAWINGS REVIEWED BY THE ARCHITECT.
22. WHEN A DETAIL IS IDENTIFIED AS TYPICAL, THE CONTRACTOR IS TO APPLY THIS DETAIL IN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE.
23. ALL PENETRATIONS INTO SOUND OR FIRE RATED PARTITIONS, FLOORS OR CEILING ASSEMBLIES SHALL BE SEALED WITH APPROVED PERMANENT RESILIENT SEALANT. REFER TO IBC CURRENT VERSION FOR REQUIREMENTS FOR OPENINGS IN FIRE RATED WALLS. FOR OPENINGS LESS THAN 16 SQUARE INCHES, THE SPACE BETWEEN THE WALL AND ALLOWED PENETRATIONS MUST BE SEALED TO PREVENT THE MOVEMENT OF HOT FLAME OR GASES. ELECTRICAL DEVICES, RECESSED CABINETS, ETC. SHALL BE SEALED, LINED, INSULATED OR OTHERWISE TREATED TO MAINTAIN THE INTEGRITY
24. ABBREVIATIONS THROUGHOUT THE PLAN ARE THOSE IN COMMON USE. THE ARCHITECT SHALL DEFINE THE INTENT OF ANY IN QUESTION.
25. THE CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF WATER AND DRAIN INSTALLATIONS AND OTHER REQUIRED SERVICES WITH EQUIPMENT MANUFACTURERS.
26. CONTRACTOR SHALL REFER TO THE PROJECT MANUAL FOR A COMPLETE LIST OF GENERAL CONDITIONS, SPECIAL CONDITIONS AND OTHER NOTES.
27. ALL WOOD CANTS, NAILERS, CURBS, ETC. THROUGHOUT JOB SHALL BE FIRE RETARDANT PRESSURETREATED.
AS PER I.B.C. CURRENT VERSION. SEE RELEVANT DETAILS.

DRAWING INDEX

GENERAL

G001	COVER SHEET
G002	GENERAL INFO.

ARCHITECTURAL

A117C	ROOF PLAN
A201	EXTERIOR ELEVATIONS
A202	EXTERIOR ELEVATIONS
A501	ROOF DETAILS

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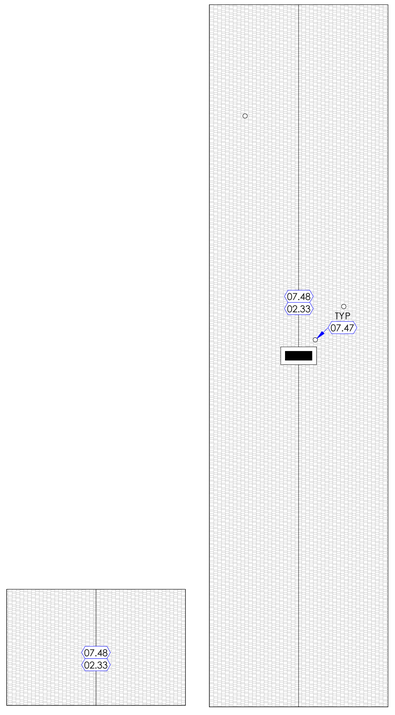
GENERAL INFO.

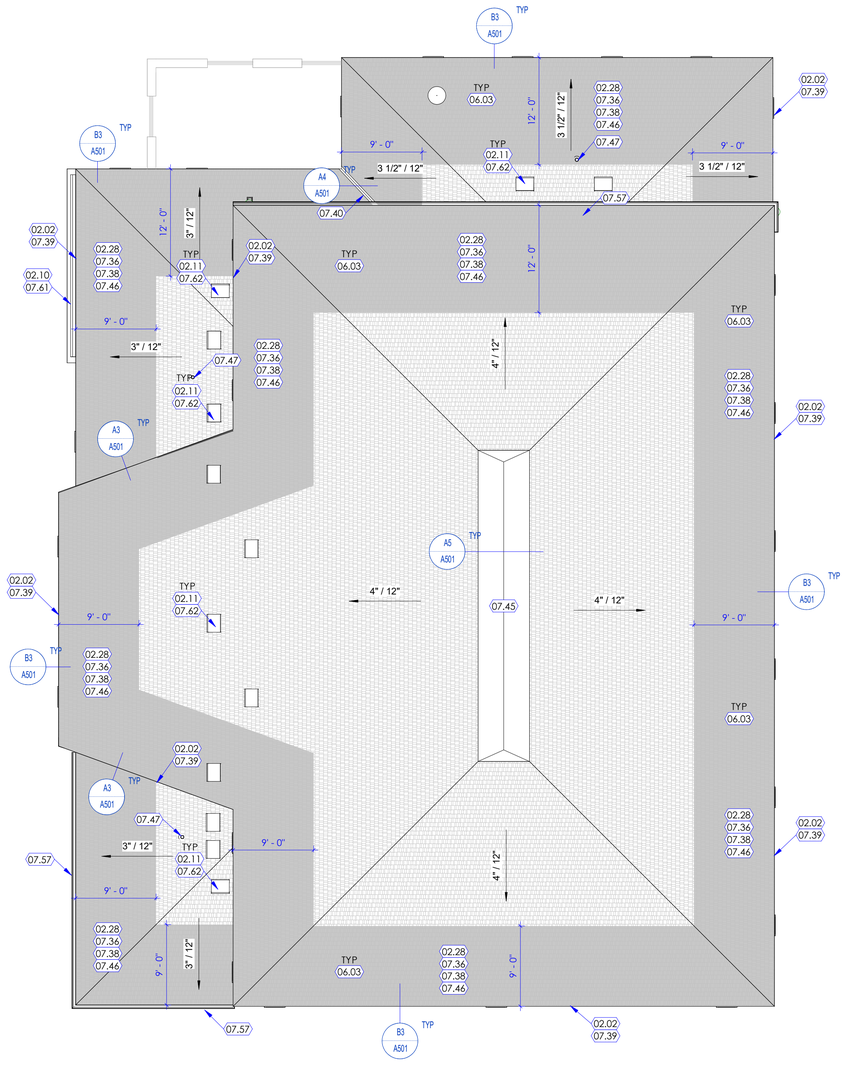
G002

ROOF REPLACEMENT



D5 ROOF PLAN SHED

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



D4 ROOF PLAN

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

NORTH

KEYED NOTES

02.02 REMOVE & RECYCLE EXISTING DRIP EDGE, PARAPET CAP, TERMINATION METAL, COUNTERFLASHING, ETC.

02.10 REMOVE EXISTING RAIN TROUGH METAL AND PATCHING. RECYCLE AND DISPOSE. REMOVE DRAIN AND DISPOSE

02.11 REMOVE EXISTING HOODED ROOF VENTS AND RECYCLE

02.28 REMOVE EXISTING SHINGLE ROOFING, DRIP EDGE, PENETRATION FLASHING, FELTS, ETC. DOWN TO WOOD SHEATING. AFTER REMOVAL & PRIOR TO ANY NEW INSTALLATION, VISUALLY INSPECT EXISTING DECKING FOR ANY IRREGULARITIES, DRY ROT, DEFORMATIONS, ETC. BRING ANY DEFICIENCIES TO THE ATTENTION OF CONSULTANT BEFORE PROCEEDING. CONTRACTOR IS TO PROVIDE AN ALLOWANCE OF 600 SQ. FT. OF WOOD PANEL SHEATHING TO REPLACE DAMAGED PIECES. DISPOSE OF ALL WASTE MATERIALS LAWFULLY

02.33 REMOVE SHINGLES, FELTS,AND FASCIA METAL ON SHED ROOF

06.03 PERFORM STRUCTURAL IMPROVEMENTS TO BUILDING STRUCTURE, SEE STRUCTURAL DRAWINGS. ANY SHEATHING REMOVED FOR THIS WORK IS TO BE REPLACED WITH NEW SHEATHING. MATCH EXISTING THICKNESS

07.36 INSTALL NEW SECONDARY UNDERLAYMENT PER PLANS AND SPECIFICATIONS

07.38 INSTALL NEW PRIMARY UNDERLAYMENT PER PLANS AND SPECIFICATIONS

07.39 INSTALL NEW 24 GA. PRE-FINISHED METAL DRIP EDGE. SEE DETAIL C5/A501

07.40 INSTALL NEW 24 ga. PRE-FINISHED METAL VALLEY METAL OVER SECONDARY UNDER LAYMENT PER PLANS AND SPECIFICATIONS

07.45 INSTALL NEW PRE-FINISHED METAL RIDGE VENT PER PLANS AND CODE. SEE DETAIL A5/A501

07.46 INSTALL NEW 40 YEAR ARCHITECTURAL PROFILE COMPOSITION SHINGLE SYSTEM PER MANUFACTURER'S LATEST SPECIFICATION, WITH ALL ASSOCIATED SHINGLES, UNDERLAYMENTS, FLASHINGS, DIVERTERS, ETC. AS REQUIRED FOR MANUFACTURER'S WARRANTY. SEE DETAIL B3/A501

07.47 INSTALL NEW ULTIMATE PIPE JACK FLASHINGS AT ALL MECHANICAL VENT PENETRATIONS PER SPECIFCATION CONTRACTOR MAY USE GALVANIZED METAL IN PLACE OF ULTIMATE FLASHING PROVIDED ALL JOINTS ARE SOLDERED SOLID. SEE DETAIL A2/A501

07.48 INSTALL NEW PRIMARY UNDERLAYMENTS, FASCIAMETAL, DRIP EDGE, AND SHINGLES AS WELL AS ANY OTHER ITEMS NEEDED TO COMPLETE NEW ROOFING SYSTEM

07.57 24 GA. PRE-FINISHED METAL RAIN GUTTER AND DOWNSPOUTS. INSTALL NEW DOWNSPOUTS AT THE SAME LOCATION AS EXISTING. SEE DETAIL C5/A501. RECONNECT DOWNSPOUTS INTO EXISTING DRAINAGE SYSTEM WHERE EXISTING. INSTALL ADDITIONAL SECTIONS OF RAIN GUTTER AND DOWNSPOUT WHERE SHOWN ON ROOF PLAN

07.61 WRAP EXISTING RAIN TROUGH WITH HIGH TEMPERATURE GRACE ICE & WATER SHIELD COMPLETELY AND EXTEND OVER EDGES PER DETAIL. SEE DETAIL C4/A501. INSTALL NEW PREFINISHED METAL TROUGH OVER UNDERLAYMENT SHAPED TO MARCH EXISTING WOOD FRAMED TROUGH OVER UNDERLAYMENT, SHAPED TO MATCH EXISTING WOOD FRAMED TROUGH. FLASH ROOF INTO SHINGLE SYSTEM PER DETAIL. NOT INSTALL FASTENERS THROUGH THE TOP OF THE METAL. INSTALL NEW METAL DRAIN TO MATCH DIAMETER OF EXISTING OPENING. PROVIDE SEPARATION SHEET IF DRAIN IS DISSIMILAR METAL FROM TROUGH METAL

07.62 INSTALL NEW ROOF LOUVER VENTS. SEE DETAIL A1/A501. ROOF LOUVERS ARE TO PROVIDE 144 SQ. IN. OF NET FREE AREA. MIN

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ROOF PLAN

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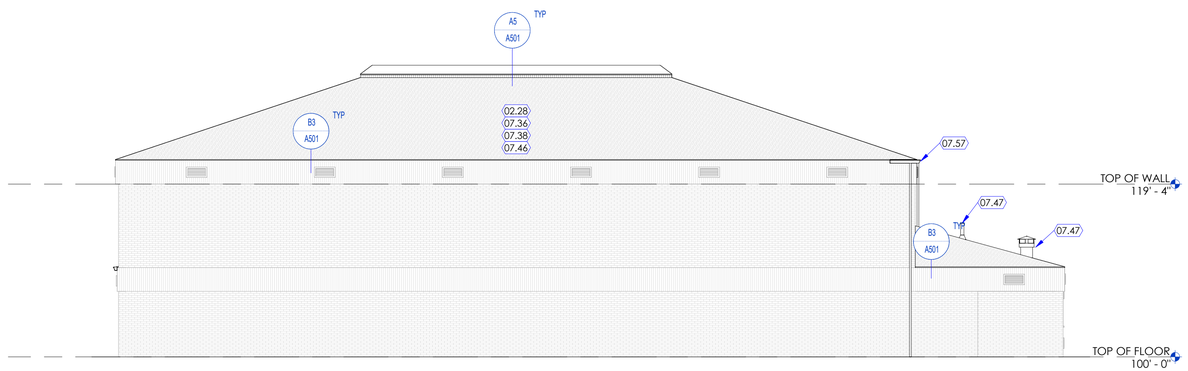
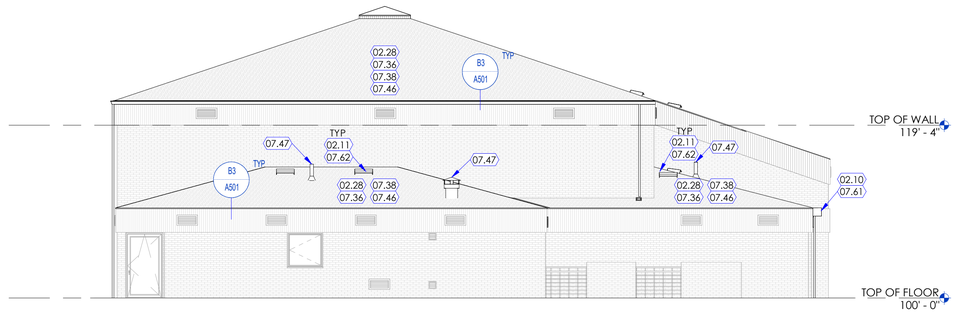


B5 EAST ELEVATION

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



D5 NORTH ELEVATION

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

KEYED NOTES

02.10 REMOVE EXISTING RAIN TROUGH METAL AND PATCHING. RECYCLE AND DISPOSE. REMOVE DRAIN AND DISPOSE

02.11 REMOVE EXISTING HOODED ROOF VENTS AND RECYCLE

02.28 REMOVE EXISTING SHINGLE ROOFING, DRIP EDGE, PENETRATION FLASHING, FELTS, ETC. DOWN TO WOOD SHEATING. AFTER REMOVAL & PRIOR TO ANY NEW INSTALLATION, VISUALLY INSPECT EXISTING DECKING FOR ANY IRREGULARITIES, DRY ROT, DEFORMATIONS, ETC. BRING ANY DEFICIENCIES TO THE ATTENTION OF CONSULTANT BEFORE PROCEEDING. CONTRACTOR IS TO PROVIDE AN ALLOWANCE OF 600 SQ. FT. OF WOOD PANEL SHEATHING TO REPLACE DAMAGED PIECES. DISPOSE OF ALL WASTE MATERIALS LAWFULLY

07.36 INSTALL NEW SECONDARY UNDERLAYMENT PER PLANS AND SPECIFICATIONS

07.38 INSTALL NEW PRIMARY UNDERLAYMENT PER PLANS AND SPECIFICATIONS

07.46 INSTALL NEW 40 YEAR ARCHITECTURAL PROFILE COMPOSITION SHINGLE SYSTEM PER MANUFACTURER'S LATEST SPECIFICATION. WITH ALL ASSOCIATED SHINGLES, UNDERLAYMENTS, FLASHINGS, DIVERTERS, ETC. AS REQUIRED FOR MANUFACTURER'S WARRANTY. SEE DETAIL B3/A501

07.47 INSTALL NEW ULTIMATE PIPE JACK FLASHINGS AT ALL MECHANICAL VENT PENETRATIONS PER SPECIFCATION CONTRACTOR MAY USE GALVANIZED METAL IN PLACE OF ULTIMATE FLASHING PROVIDED ALL JOINTS ARE SOLDERED SOLID. SEE DETAIL A2/A501

07.57 24 GA. PRE-FINISHED METAL RAIN GUTTER AND DOWNSPOUTS. INSTALL NEW DOWNSPOUTS AT THE SAME LOCATION AS EXISTING. SEE DETAIL C5/A501. RECONNECT DOWNSPOUTS INTO EXISTING DRAINAGE SYSTEM WHERE EXISTING. INSTALL ADDITIONAL SECTIONS OF RAIN GUTTER AND DOWNSPOUT WHERE SHOWN ON ROOF PLAN

07.61 WRAP EXISTING RAIN TROUGH WITH HIGH TEMPERATURE GRACE ICE & WATER SHIELD COMPLETELY AND EXTEND OVER EDGES PER DETAIL. SEE DETAIL C4/A501. INSTALL NEW PREFINISHED METAL TROUGH OVER UNDERLAYMENT SHAPED TO MARCH EXISTING WOOD FRAMED TROUGH OVER UNDERLAYMENT, SHAPED TO MATCH EXISTING WOOD FRAMED TROUGH. FLASH ROOF INTO SHINGLE SYSTEM PER DETAIL. NOT INSTALL FASTENERS THROUGH THE TOP OF THE METAL. INSTALL NEW METAL DRAIN TO MATCH DIAMETER OF EXISTING OPENING. PROVIDE SEPARATION SHEET IF DRAIN IS DISSIMILAR METAL FROM TROUGH METAL

07.62 INSTALL NEW ROOF LOUVER VENTS. SEE DETAIL A1/A501. ROOF LOUVERS ARE TO PROVIDE 144 SQ. IN. OF NET FREE AREA. MIN

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WEST WEBER, UTAH
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

REVISIONS :

#	DESCRIPTION	DATE

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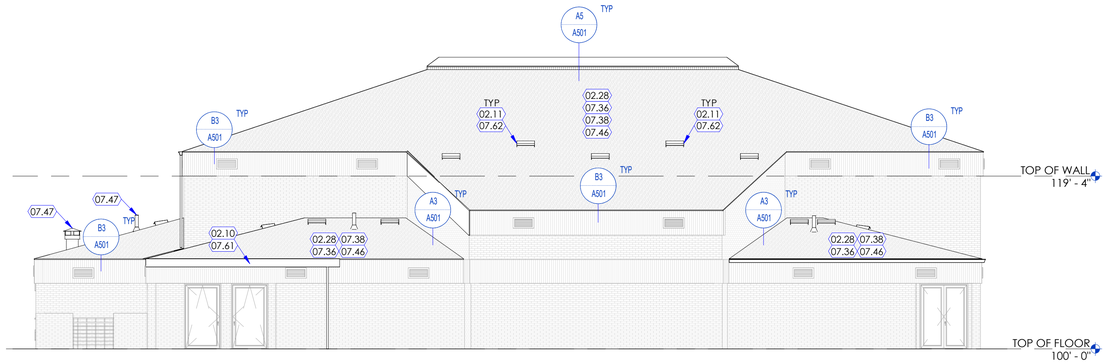
EXTERIOR ELEVATIONS

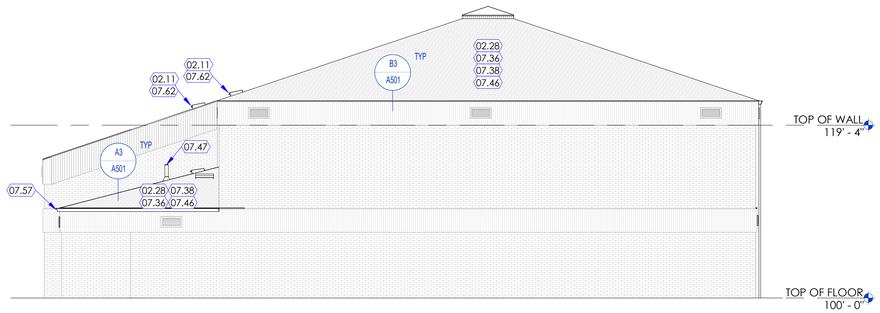
A201

ROOF REPLACEMENT



B5 WEST ELEVATION

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



D5 SOUTH ELEVATION

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

KEYED NOTES

02.10 REMOVE EXISTING RAIN TROUGH METAL AND PATCHING. RECYCLE AND DISPOSE. REMOVE DRAIN AND DISPOSE

02.11 REMOVE EXISTING HOODED ROOF VENTS AND RECYCLE

02.28 REMOVE EXISTING SHINGLE ROOFING, DRIP EDGE, PENETRATION FLASHING, FELTS, ETC. DOWN TO WOOD SHEATING. AFTER REMOVAL & PRIOR TO ANY NEW INSTALLATION, VISUALLY INSPECT EXISTING DECKING FOR ANY IRREGULARITIES, DRY ROT, DEFORMATIONS, ETC. BRING ANY DEFICIENCIES TO THE ATTENTION OF CONSULTANT BEFORE PROCEEDING. CONTRACTOR IS TO PROVIDE AN ALLOWANCE OF 600 SQ. FT. OF WOOD PANEL SHEATHING TO REPLACE DAMAGED PIECES. DISPOSE OF ALL WASTE MATERIALS LAWFULLY

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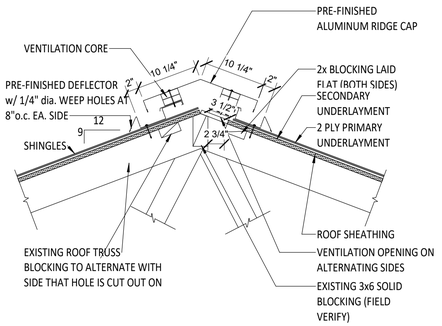
EXTERIOR ELEVATIONS

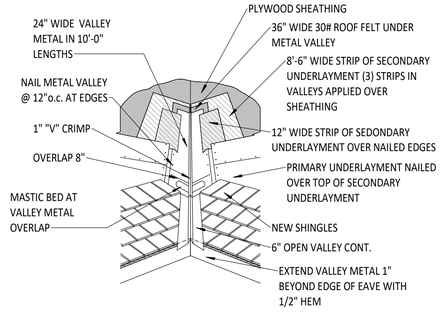
A202

ROOF REPLACEMENT



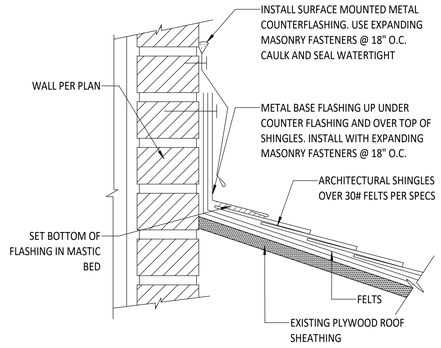
A5 RIDGE VENT SECTION

SCALE: 1" = 1'-0"



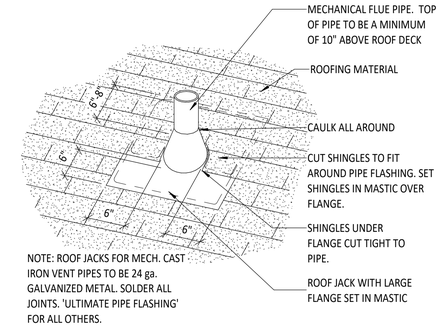
A4 VALLEY FLASHING DETAIL

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



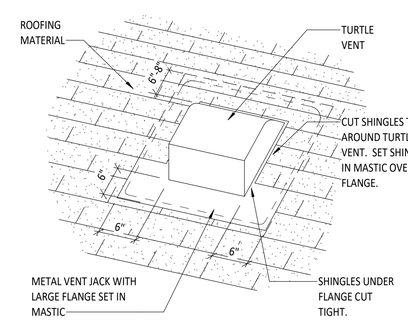
A3 COUNTER FLASHING DETAIL

SCALE: 3" = 1'-0"



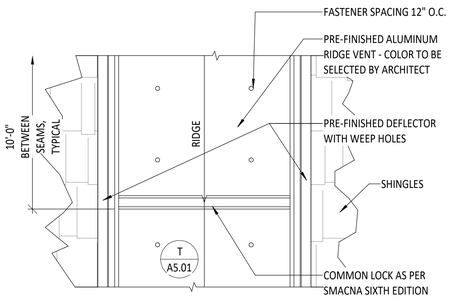
A2 PIPE JACK FLASHING

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



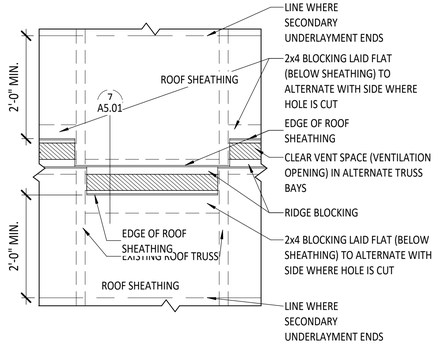
A1 TURTLE VENT

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



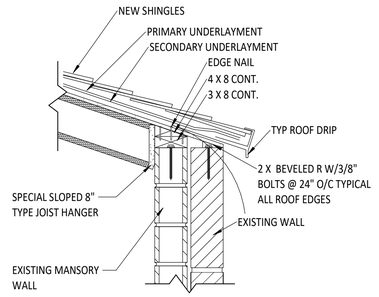
B5 RIDGE VENT PLAN

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



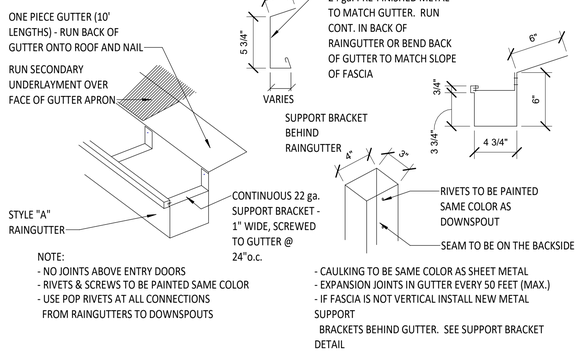
B4 RIDGE VENT PLAN (BELOW CAP)

SCALE: 1" = 1'-0"



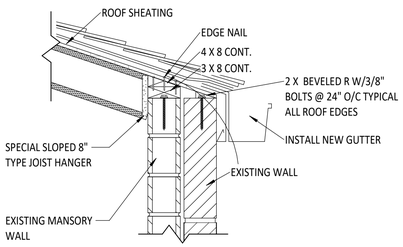
B3 COUNTER FLASHING DETAIL

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



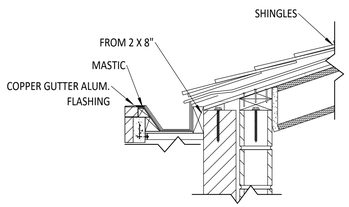
B2 GUTTER & DOWNSPOUT DETAIL

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



C5 COUNTER FLASHING - GUTTER

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



C4 COPPER GUTTER DETAIL

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

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ROOF DETAILS

A501

ROOF REPLACEMENT

GENERAL:

UNLESS NOTED OTHERWISE, ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2021 INTERNATIONAL BUILDING CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING CONDITIONS AT THE JOB SITE, AND TO FULLY COORDINATE ALL DIMENSIONS AND CONDITIONS OF DETAILS WITH OTHER DISCIPLINES. ANY FIELD CONDITIONS REQUIRING CONSTRUCTION THAT IS DIFFERENT FROM THAT SHOWN ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. ANY CONFLICTING DETAILS SHOWN IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE CONSTRUCTION OF SAID DETAIL. DO NOT SCALE DRAWINGS. ANY QUESTIONS REGARDING THE CONSTRUCTION DOCUMENTS SHALL BE SUBMITTED TO THE ARCHITECT IN THE FORM OF A WRITTEN REQUEST FOR INFORMATION. IF ANY CONTRADICTIONS BETWEEN PLANS DETAILS OR SPECIFICATIONS ARE FOUND, THE CONTRACTOR SHALL PROCEED WITH THE MOST STRINGENT SCENARIO UNLESS DIRECTED OTHERWISE IN WRITING BY THE ARCHITECT OR ENGINEER.

THESE STRUCTURAL DRAWINGS ARE AN INTEGRAL PART OF THE ENTIRE CONSTRUCTION PROJECT AND MUST BE COORDINATED WITH ALL TRADES INVOLVED. IT IS CRUCIAL TO ENSURE PROPER COORDINATION AND COMMUNICATION BETWEEN THE STRUCTURAL DESIGN AND OTHER DISCIPLINES SUCH AS ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING. ANY CONFLICTS OR DISCREPANCIES BETWEEN THESE DRAWINGS AND OTHER TRADE-SPECIFIC DRAWINGS SHOULD BE PROMPTLY ADDRESSED AND RESOLVED BY THE PROJECT TEAM. COORDINATION MEETINGS AND REGULAR COMMUNICATION AMONG ALL PARTIES INVOLVED ARE ESSENTIAL TO ACHIEVE A SUCCESSFUL AND WELL-COORDINATED CONSTRUCTION PROJECT. ANY MODIFICATIONS OR CHANGES TO THE STRUCTURAL DESIGN SHOULD BE COMMUNICATED AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD TO MAINTAIN THE INTEGRITY AND SAFETY OF THE STRUCTURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND ALL TRADES TO REVIEW AND COORDINATE THESE STRUCTURAL DRAWINGS WITH OTHER DISCIPLINES TO ENSURE A COHESIVE AND HARMONIOUS CONSTRUCTION PROCESS.

ALL SUPPORT OF CONSTRUCTION LOADS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL SHORING AND BRACING REQUIRED FOR THE PROTECTION OF LIFE AND PROPERTY DURING THE CONSTRUCTION PROCESS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL PROCEDURES OF SOIL EXCAVATION, BACK FILL, AND SUPPORT OF ADJACENT PROPERTY DURING EARTHWORK SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

ALTERNATES:

ALTERNATE PRODUCTS OF SIMILAR STRENGTH, NATURE AND FORM FOR SPECIFIED ITEMS MAY BE SUBMITTED WITH ADEQUATE TECHNICAL DOCUMENTATION TO THE ARCHITECT/ENGINEER FOR REVIEW. ALTERNATE MATERIALS THAT ARE SUBMITTED WITHOUT ADEQUATE TECHNICAL DOCUMENTATION OR THAT SIGNIFICANTLY DEVIATE FROM THE DESIGN INTENT OF MATERIALS SPECIFIED MAY BE RETURNED WITHOUT REVIEW. ALTERNATES THAT REQUIRE SUBSTANTIAL EFFORT TO REVIEW WILL NOT BE REVIEWED UNLESS AUTHORIZED BY THE OWNER.

SHEATHING:

SHEATHING SHALL BE A.P.A. RATED, SEE PLAN FOR SPAN RATING AND THICKNESS.
SHEATHING INSTALLATION:
ROOF AND FLOOR SHEATHING SHALL BE LAID WITH THE FACE GRAIN PERPENDICULAR TO THE FRAMING MEMBERS U.N.O. AND END JOINTS SHALL BE STAGGERED. WALL SHEATHING MAY BE APPLIED HORIZONTALLY OR VERTICALLY.
ALL NAILS SHALL BE COMMON WIRE NAILS U.N.O. EQUIVALENT PNEUMATIC DRIVEN NAILS MAY BE USED IF FASTENER MANUFACTURER HAS CURRENT I.C.C. APPROVAL. FASTENERS TO BE USED SHALL BE EQUIVALENT IN LATERAL AND WITHDRAWAL STRENGTH TO THE SIZE COMMON NAIL SPECIFIED. TYPICAL NON-SHEAR WALL NAILING SHALL BE 8d @ 6" O.C. AT SUPPORTED EDGES AND 8d AT 12" O.C. AT INTERMEDIATE SUPPORTS, U.N.O.

ROOF SHEATHING:

EDGE BLOCKING OF UNSUPPORTED EDGES OF SHEATHING AS NOTED ON PLANS. PLY CLIPS OR APPROVED EQUAL CONNECTOR SHALL BE INSTALLED AT MID SPAN BETWEEN EACH SUPPORT WHEN RAFTER SPACING EXCEEDS 16" AND EDGE BLOCKING IS NOT SPECIFIED.

TYPICAL NAILING SHALL BE 8d @ 6" O.C. AT SUPPORTED EDGES AND OVER SHEAR WALLS AND 8d AT 12" O.C. AT INTERMEDIATE SUPPORTS, U.N.O.

ROUGH CARPENTRY:

FRAMING LUMBER SHALL MEET THE FOLLOWING MINIMUM STANDARD U.N.O.

USE	SPECIES	GRADE
SILL PLATES 2 x 4	D.F.	STANDARD OR BETTER.
2 x 6, 2 x 8	D.F	NO. 2 OR BETTER.

ALL SILL PLATES IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED OR CALIFORNIA REDWOOD.

HORIZONTAL FRAMING LUMBER: (UNO)

4x4 AND SMALLER	D.F.	NO. 2
2x ROOF JOISTS & RAFTERS	D.F.	NO. 2
2x FLOOR JOISTS	D.F.	NO. 2
3x LEDGERS	D.F.	NO. 1
4x HEADERS & BEAMS	D.F.	NO. 1
6x6 & LARGER BEAMS	D.F.	NO. 1

VERTICAL FRAMING LUMBER: (U.N.O.)

ALL STUDS	D.F.	NO. 2
ALL POSTS	D.F.	NO. 1
ALL OTHER LUMBER U.N.O	D.F.	STANDARD OR BETTER.

PROVIDE THE FOLLOWING AT ALL BEARING LOCATIONS U.N.O.:

OPENING UP TO 3'-0" - ONE TRIMMMER ONE KING STUD
OPENING FROM 3'-1" TO 6'-0" - ONE TRIMMER TWO KING STUDS
OPENING FROM 6'-1" TO 8'-0" - TWO TRIMMERS AND TWO KING STUDS

PROVIDE A MINIMUM OF (3) STUDS UNDER ALL GIRDER TRUSS BEARING LOCATIONS UNO. WHERE POSTS OR MULTIPLE STUDS UNDER BEAMS OR HEADERS ARE IDENTIFIED ON DRAWINGS, THOSE POSTS OR MULTIPLE STUDS SHALL BE CARRIED TO THE FOUNDATION. BLOCK JOISTS AT ALL SUPPORTS. DOUBLE JOISTS UNDER PARALLEL PARTITIONS. BLOCK UNDER PERPENDICULAR PARTITIONS AT 32" O.C.

JOISTS HANGERS AND OTHER METAL FRAMING ACCESSORIES ARE REFFERD TO ON PLANS BY PARTICULAR TYPE AS MANUFACTURED BY SIMPSON COMPANY, SAN LEANDRO CALIFORNIA. ACCESSORIES OF OTHER MANUFACTURER WITH EQUIVALENT LOAD CARRYING CHARACTERISTICS MAY BE USED, WHEN APPROVED BY ENGINEER.

BOLTS: HOLES IN WOOD 1/16" OVERSIZE MAX. USE WASHERS AGAINST WOOD. RETIGHTEN ALL BOLTS BEFORE CLOSING IN. PRE-DRILL HOLES FOR LAG BOLTS AND TURN BOLTS INTO HOLES, DO NOT DRIVE-IN. FIRE STOPPING, BACKING FOR INTERIOR FINISHES, NON-BEARING WALLS AND OTHER NON-STRUCTURAL FRAMING IS NOT NECESSARILY SHOWN ON THE STRUCTURAL DRAWINGS.
SEE FASTENING SCHEDULE (U.N.O.) PER IBC 2021 TABLE 2304.91.

POST INSTALLED ANCHORS:

ADHESIVE ANCHORS IN GROUTED MASONRY SHALL BE: HILTI HIT HY-150 (ESR-1967); SIMPSON SET (ESR-1772) OR DEWALT AC100+ GOLD (ESR-3200). ADHESIVE ANCHORS IN CONCRETE SHALL BE: HILTI HIT RE-500 SD (ESR-2322); SIMPSON SET-XP (ESR-2508); OR DEWALT PURE 110+ (ESR-3298).

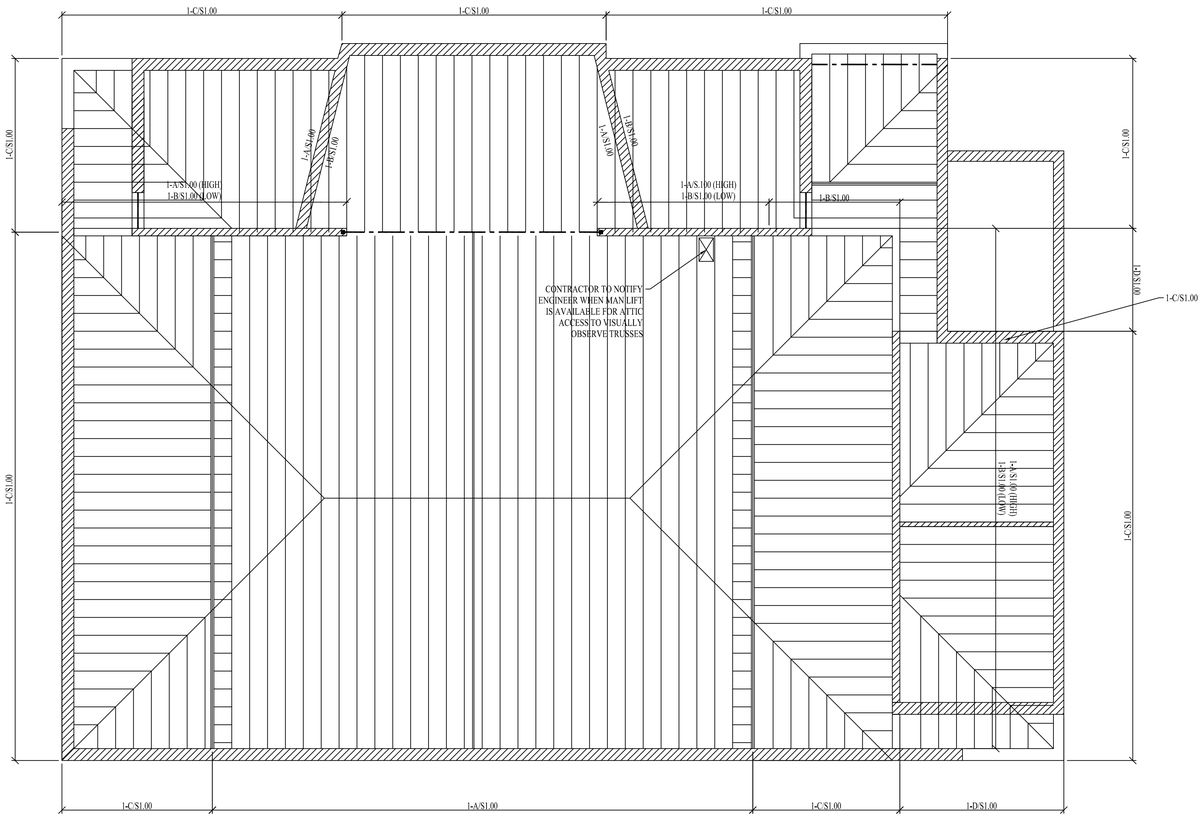
ANCHORS MUST HAVE BEEN TESTED AND QUALIFIED, BY A THIRD PARTY, SPECIFICALLY FOR PERFORMANCE IN FILLED CONCRETE MASONRY TO MATCH THE PROJECT'S ACTUAL BASE MATERIAL. ADHESIVES MUST BE MOISTURE INSENSITIVE, LOW CREEP, STRUCTURAL ADHESIVE. THREADED RODS MUST MEET THE REQUIREMENTS OF ASTM F1554 GRADE 36

PROVIDE ANCHORS OF THE TYPE, EFFECTIVE EMBEDMENT, AND DIAMETER INDICATED ON CONTRACT DRAWINGS. DESIGN VALUES LISTED IN THE PRODUCT BEING USED MUST BE AS TESTED ACCORDING TO ASTM E488/E488M FOR THE SUBSTRATE TYPE, SUBSTRATE MOISTURE CONDITION, CONCRETE AGGREGATE TYPE (NORMAL WEIGHT OR LIGHTWEIGHT CONCRETE), AND CONCRETE/MASONRY STRENGTH.

EACH WORKER ENGAGED IN THE INSTALLATION OF POST-INSTALLED ANCHORS MUST HAVE SATISFACTORILY COMPLETED AN APPLICABLE CERTIFICATION PROGRAM OR EQUIVALENT INSTRUCTION PROGRAM THROUGH THE MANUFACTURER OR MANUFACTURER'S REPRESENTATIVE FOR ALL ANCHORING PRODUCTS THEY WILL INSTALL. A MANUFACTURER'S REPRESENTATIVE MUST TRAIN ALL INSTALLERS PER THE INSTALLATION INSTRUCTIONS AS LISTED IN THE ICC-ES EVALUATION REPORT FOR THE ANCHOR BEING INSTALLED. TRAINING MUST CONSIST OF A REVIEW AND PERFORMANCE TEST OF THE COMPLETE INSTALLATION PROCESS, INCLUDING BUT NOT LIMITED TO:
(1) HOLE DRILLING PROCEDURE
(2) HOLE PREPARATION & CLEANING TECHNIQUE
(3) ADHESIVE INJECTION TECHNIQUE & DISPENSER TRAINING / MAINTENANCE
(4) ANCHOR/THREADED ROD PREPARATION AND INSTALLATION
(5) REBAR DOWEL PREPARATION AND INSTALLATION
(6) PROOF LOADING/TORQUING
(7) INSTALLATION IN HORIZONTAL AND UPWARD ORIENTATIONS
SUBMIT CERTIFICATION FOR EACH WORKER SHOWING THAT THEY HAVE COMPLETED THE ABOVE TRAINING WITHIN THREE YEARS PRIOR TO ONSITE WORK. CERTIFICATION MUST INCLUDE ORGANIZATION OR MANUFACTURER'S NAME, INSTRUCTOR'S NAME AND QUALIFICATIONS, TRAINEES NAME, LIST OF INSTRUCTION RECEIVED, DATE OF INSTRUCTION, AND CONFIRMATION OF SUCCESSFUL PERFORMANCE TESTS.

THE CONTRACTOR MUST RETAIN THE SERVICES OF A THIRD-PARTY SPECIAL INSPECTOR INDEPENDENT OF THE INSTALLING CONTRACTOR AND MANUFACTURER. THE INDIVIDUAL(S) WHO PERFORM SPECIAL INSPECTIONS FOR POST-INSTALLED ANCHORS MUST MEET ALL INSTALLER QUALIFICATION REQUIREMENTS AND HAVE A MINIMUM OF 5 YEARS OF EXPERIENCE AS A SPECIAL INSPECTOR ON PREVIOUS PROJECTS INVOLVING SIMILAR SCOPE OF WORK. SUBMIT RESUMES, PERTINENT INFORMATION, PAST EXPERIENCE, AND TRAINING.

SPECIAL INSPECTION AND TESTING SHALL BE PERFORMED ACCORDING TO THE REQUIREMENTS OF THE ICC EVALUATION REPORT, PER SECTION 1704.13 OF THE IBC. PERIODIC INSPECTION IS ALLOWED FOR MECHANICAL ANCHORS PER SECTION 6.6 OF ICC-ES AC193.

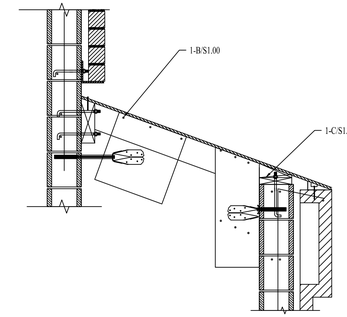


EXISTING ROOF FRAMING PLAN

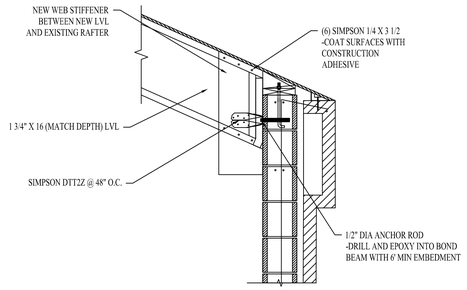
SCALE: 1/8"=1'-0"

0' 5' 10' 20' 40'

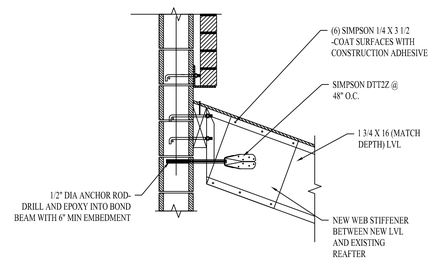
NOTE: DO NOT SCALE PLAN. USE AS REFERENCE ONLY
VERIFY ALL DIMENSIONS ON ARCHITECTURAL PLANS



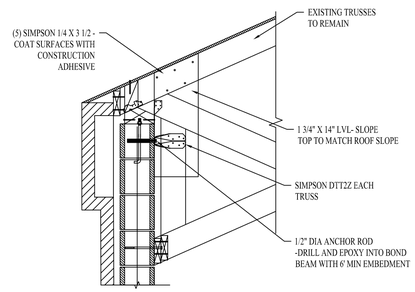
1-D S1.00 ROOF FRAMING DETAIL
3/4"=1'-0"



1-C S1.00 TJI BEARING DETAIL
3/4"=1'-0"



1-B S1.00 TJI BEARING DEATIL
3/4"=1'-0"



1-A S1.00 TRUSS BEARING DETAIL
3/4"=1'-0"

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03/15/2024
STATE OF UTAH

WEST WEBER 1,2,3

4000 WEST 900 SOUTH, OGDEN,UTAH

REV	DATE	DESCRIPTION

REVISIONS

PROJECT NO:	23162
DRAWN BY:	RSJ
CHECKED BY:	MR
DATE:	03/15/14
SHEET:	1 OF 1

STRUCTURAL RETROFIT PLAN

S1.00