LAKESHORE PLAN

UBAOG MUTUAL SELF-HELP
HOUSING PROGRAM
UINTAH BASIN

OCTOBER 2021

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TIMBERLINE Engineering & Land Surveying
209 North 300 West Vernal, Utah
(435) 789-1365
UTAH - COLORADO - WYOMING

CLIENT INFO:
UBAOG
330 EAST 100 SOUTH
ROOSEVELT, UT 84066

435-722-4518

DRAWN BY:
TBH
PROJECT MANAGER:
CMM
CHECKED BY:
CMM

LAKESHORE PLAN
MUTUAL SELF-HELP
UBAOG - ROOSEVELT
UINTAH BASIN

COVER

CODE REQUIREMENTS:

1 - LOTS SHALL BE GRADED TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE SHALL FALL A MINIMUM OF 6 INCHES WITHIN THE FIRST 10 FEET. (IRC R401.3)
2 - FIRE STOP ALL CONCEALED SPACES SO NO FREE AIRFLOW EXISTS FROM HORIZONTAL TO VERTICAL AND AT EVERY 10 FEET BOTH HORIZONTAL AND VERTICAL. (IRC R302.11)
3 - ASSURE PROPER PROTECTION OF ALL PLUMBING AND WIRING. (IRC P2603 & TABLE IRC E3802.1)
4 - ASSURE PROPER SUPPORT OF ALL DUCT INSTALLATION. (IRC M1601.4.3)
5 - MAINTAIN PROPER CLEARANCES FROM COMBUSTIBLE MATERIAL AT COMBUSTION EXHAUST VENTS. (AS PER MANUFACTURERS LISTING AND LABELING)
6 - PROVIDE AN ELECTRICAL OUTLET WITHIN 25 FEET OF THE AIR CONDITIONING UNIT. (IRC E3901.11)
7 - EXTERIOR COVERING SHALL MEET THE REQUIREMENTS OF (IRC R703)
8 - FLASH ALL FOUNDATIONS AS REQUIRED FOR STONE AND STUCCO PER MANUFACTURERS REQUIREMENTS. (IRC R703)
9 - MAKE SURE ALL WATER PIPE IS PROPERLY SUPPORTED BOTH VERTICALLY AND HORIZONTALLY AS PER (IRC TABLE P2605.1)
10 - FLOOR DRAINS SHALL BE FITTED WITH A TRAP PRIMER OR SHALL BE OF THE DEEP SEAL DESIGN. (IRC P3201.2 EXCEPTION)
11 - MANUFACTURERS SPECIFICATIONS ARE REQUIRED FOR THE FIREPLACE AT 4-WAY.
12 - INSULATION DEPTH MARKERS ARE REQUIRED EVERY 300 SQ. FT. MAX (IRC N1101.4.1)
13 - ROOF COVERINGS SHALL MEET THE REQUIREMENTS OF (IRC R905)
14 - ROOF SHALL BE VENTILATED AS PER (IRC R806)
15 - ALL CONSTRUCTION DEBRIS SHALL BE CONTAINED ON SITE AND DISPOSED OF IN AN APPROVED LANDFILL.
16 - STAIRS HANDRAILS AND GUARDRAILS SHALL MEET THE REQUIREMENTS OF (IRC R311.7) ALL GUARDRAILS TO BE A MINIMUM HEIGHT OF 36" AND HAVE NO NET OPENINGS EXCEEDING 4".
17 - WINDOWS WITHIN 24 INCHES OF THE VERTICAL EDGES OF DOORS SHALL BE TEMPERED OR SAFETY GLASS. WINDOWS WITHIN A TUB OR SHOWER COMPARTMENT SHALL BE TEMPERED OR SAFETY GLASS. (IRC R308)
18 - BRICK VENEER SHALL HAVE WALL TIES, FLASHING, WEEP HOLES, REINFORCEMENT AS PER (IRC R703)
19 - ASSURE ELECTRICAL OUTLET SPACING AS REQUIRED. (IRC E3901)
20 - ALL BEDROOM OUTLETS SHALL BE ON A COMBINATION TYPE ARC FAULT CIRCUIT BREAKER (IRC E3902).
21 - TUBS AND SHOWERS WITH TILED WALLS AND WALL PANELS IN SHOWER AREAS SHALL MEET THE REQUIREMENTS OF (IRC R702.4.2). NOTE: THE BACKER BOARD CANNOT BE INSTALLED OVER GREEN BOARD. ALSO NOTE: UNLESS THE BACKER BOARD HAS BEEN EVALUATED AS A WATER PROOF MEMBRANE A MOISTURE BARRIER IS REQUIRED. THE MOISTURE BARRIER MUST BE INSTALLED OVER FRAMING AND MUST BE FREE FROM HOLES AND BREAKS.
22 - A PROGRAMMABLE THERMOSTAT IS REQUIRED WHERE THE PRIMARY HEATING SYSTEM IS A FORCED AIR FURNACE. (IRC N1103.1.1).
23 - ALL WASHERS FOR ANCHOR BOLTS SHALL BE 3 INCH BY 3 INCH BY 0.229 MINIMUM (IRC R602.11.1)
24 - WINDOW SILLS SHALL BE A MINIMUM OF 24 INCHES ABOVE THE FINISHED FLOOR WHERE THE OPENING OF AN OPERABLE WINDOW IS LOCATED MORE THAN 72 INCHES ABOVE THE FINISHED GRADE OR SURFACE BELOW (IRC R612.2)
25 - WHERE THE DRYER DUCT IS CONCEALED WITHIN THE BUILDING CONSTRUCTION, THE EQUIVALENT LENGTH OF THE DRYER DUCT SHALL BE IDENTIFIED ON A PERMANENT LABEL OR TAG. THE LABEL OR TAG SHALL BE LOCATED WITHIN 6 FEET OF THE DRYER DUCT CONNECTION. (IRC M1502.4.5).
26 - ALL RECEPTACLES SHALL BE TAMPERPROOF. (IRC E4002.14)
27 - ALL EXTERIOR RECEPTACLES SHALL BE WEATHERPROOF AND HAVE IN USE WEATHERPROOF COVERS. (IRC E4002.8, E4002.9, E4002.10 AND E4002.14)

CONSTRUCTION NOTES:

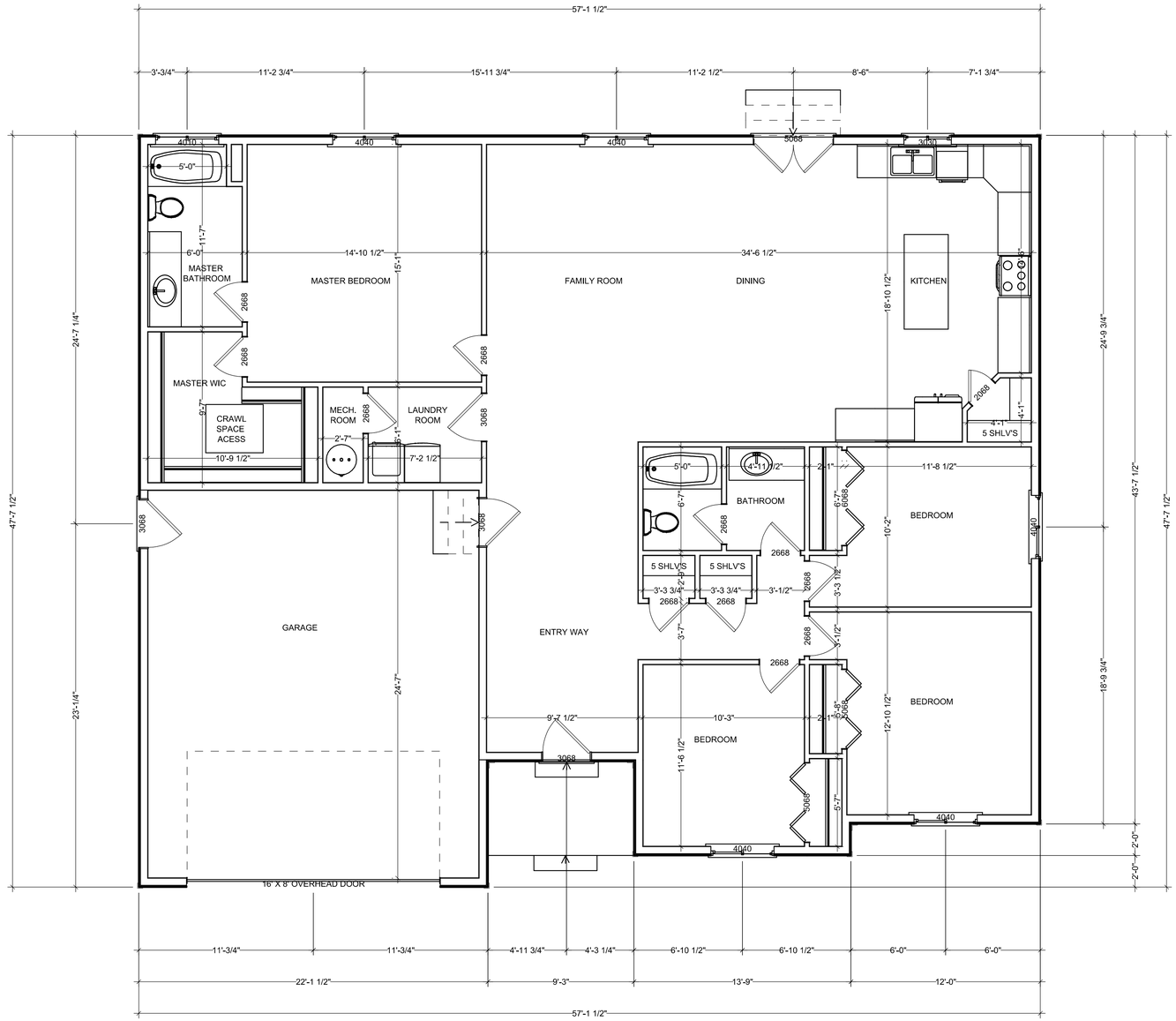
1 - TRUSS SPECIFICATIONS ARE REQUIRED AT 4-WAY INSPECTION.
2 - ADDRESS MUST BE POSTED DURING ALL PHASES OF CONSTRUCTION.
3 - PLANS SHALL BE AVAILABLE ON SITE FOR ALL INSPECTIONS.
4 - ENERGY COMPLIANCE CERTIFICATE MUST BE POSTED ON ELECTRICAL PANEL FOR FINAL INSPECTION. (IRC N1101.9)
5 - PROVIDE A CONCRETE ENCASED ELECTRODE AVAILABLE FOR USE AS A GROUNDING ELECTRODE FOR THE HOUSE. MUST BE IN PLACE AT FOOTING INSPECTION. (IRC E3608.1)
6 - SEWER, WATER-LINE AND SHOWER PAN INSPECTIONS REQUIRED.
7 - WATER LINE FROM METER TO HOUSE SHALL BE 1"(BASED ON 20.8 FIXTURE UNITS @ 49 PSI) TABLE (IRC AP201.1) THIS IS CALCULATED PER THE SUBMITTED PLOT PLAN FOR THE HOUSE.

NOTES:

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2015 I.R.C. AND ALL APPLICABLE LOCAL BUILDING CODES.

GREAT EFFORT HAS BEEN MADE TO VERIFY ALL EXISTNIG CONDITIONS AND DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. IT IS ANTICIPATED THAT SOME ELEMENTS MAY NEED TO BE ADJUSTED IN THE FIELD.

ALL EXTERIOR WALLS ARE 2"X6" STUDS @ 16" O.C., WITH FULL DEPTH BLOWN-IN INSULATION.



A FLOOR PLAN
A101 SCALE: 1/4" = 1'-0"

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FLOOR PLAN

A101

BACK ELEVATION

FRONT ELEVATION

A201 A EXTERIOR ELEVATIONS
SCALE: 1/4" = 1'-0"

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EXTERIOR ELEVATIONS

A201

RIGHT ELEVATION

LEFT ELEVATION

A201 EXTERIOR ELEVATIONS
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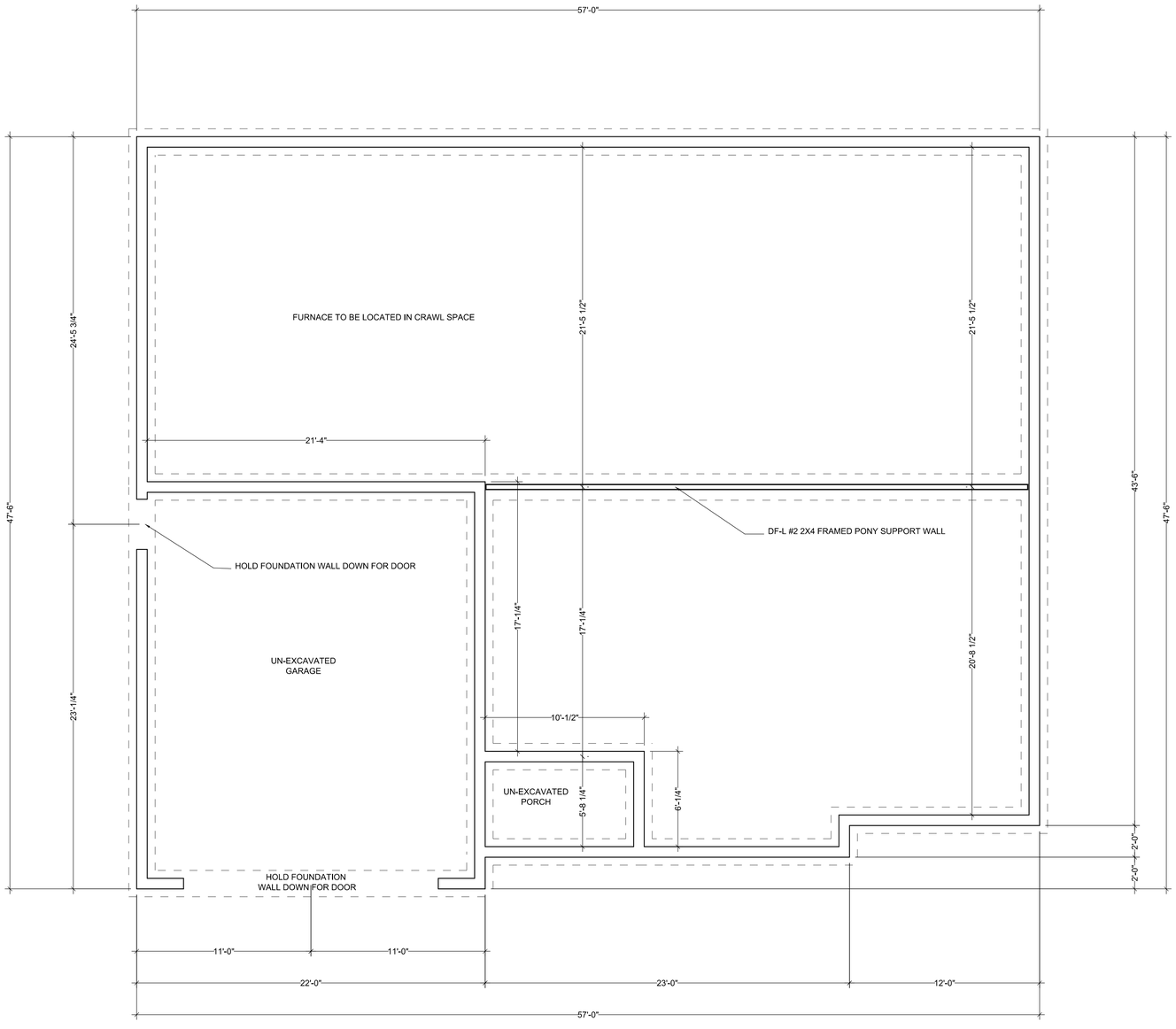
EXTERIOR ELEVATIONS

A202



A S101 FOOTING & FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

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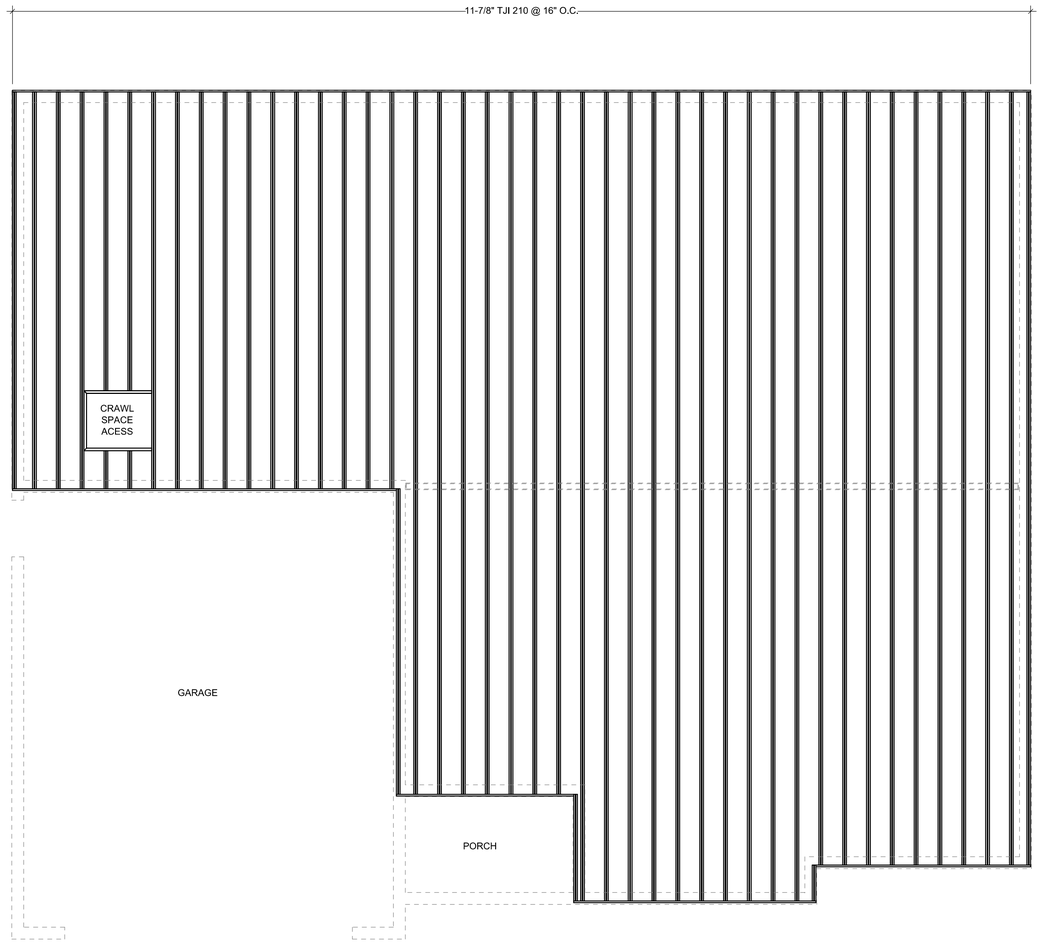
FOOTING & FOUNDATION PLAN

S101



A S102 FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

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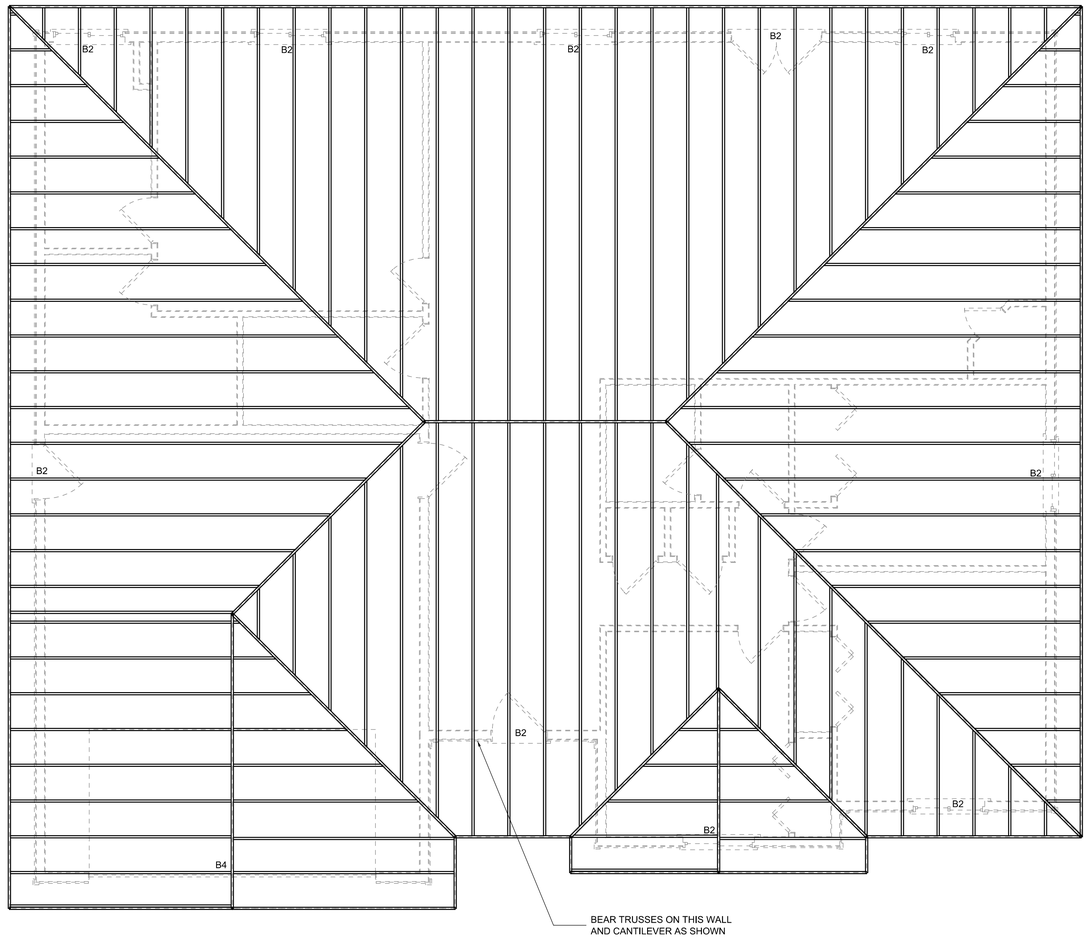
FLOOR FRAMING PLAN

S102



ROOF NOTES:
ROOF LAYOUT IS SCHEMATIC ONLY, FINAL TRUSS LAYOUT AND FRAMING TO BE DETERMINED BY TRUSS MANUFACTURER AND CONTRACTOR.

ROOF PITCH:
6:12 PITCH UNLESS NOTED OTHERWISE

LOADS:
DEAD - 15 PSF
LIVE - 20 PSF
SNOW - 30 PSF

VENTILATION:
R806.2: 1/300
ATTIC ROOF AREA: 2,571 SQ.FT.
NET FREE VENT AREA: 8.57 SQ.FT.

A S103 ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

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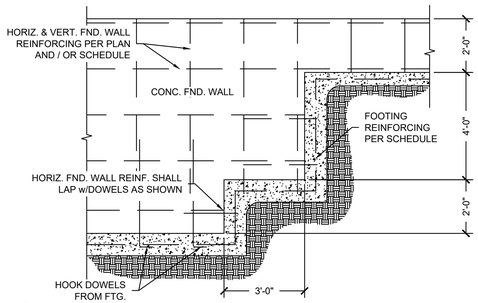
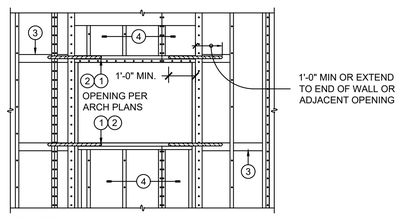
ROOF FRAMING PLAN

S103

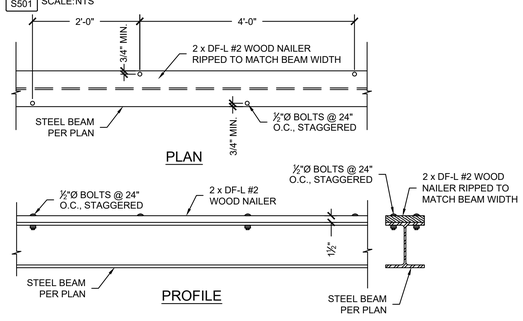


Q S501 STEPPED FOOTING DETAIL
SCALE:NTS

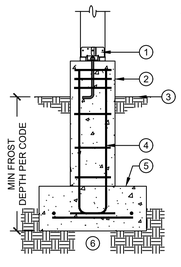


KEYNOTES
1. SIMPSON CS16 STRAP w/ 10d NAILS ABOVE AND BELOW ALL OPENINGS INDICATED - NOT REQ'D AT BOTTOM OF DOORS
2. ONE PIECE STRAP MAY BE USED
3. 2x FLAT OR 4x BLOCKING BTWN STUDS FOR STRAP NAILING
4. SHEATH ABOVE AND BELOW OPENINGS w/ SAME REQMNTS AS SIDE PANELS
5. HEADER MAY BE SET AT TOP OF OPENING AS ALTERNATE

P S501 STRAPPED OPENING - F.T.A.O.
SCALE:NTS



N S501 STEEL BEAM WITH NAILER
SCALE:NTS



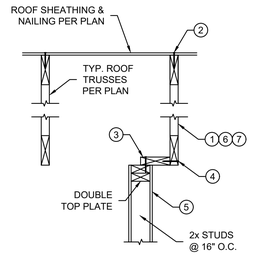
KEYNOTES
1. POST & POST BASE PER PLAN (SIMPSON ABU w/ 5/8" DIA THRD ROD x 8" EPOXY EMBEDMENT UNO)
2. CONCRETE PIER SIZE AND TYPE PER PLAN (14" DIA SONOTUBE UNO)
3. FINISH GRADE. PLACE TOP OF PIER 6" ABOVE (MIN).
4. VERTICAL REBAR (4) #4 U.N.O. w/ CLOSED LOOP #3 TIES @ 8" O.C. w/ 3 IN THE TOP 8"
5. CONCRETE FOOTING SIZE AND REINFORCING PER PLAN
6. UNDISTURBED NATURAL SOIL OR STRUCTURAL FILL

M S501 PIER FOOTING DETAIL
SCALE:NTS

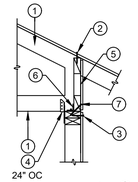
KEYNOTES
1. DRAG TRUSS PER FRAMING PLAN
2. EDGE NAIL & SPACING PER ROOF SHEATHING REQUIREMENTS (UNO)
3. CONTINUOUS 2x BLOCKING OVER SHEAR WALL, w/ 16d @ 4" O.C.
4. 16d @ 4" OC (UNO)
5. SHEAR WALL SHEATHING PER PLAN
6. SHEATH TRUSS PER SW2 REQUIREMENTS UNO
7. OMIT SHEATHING IF DRAG TRUSS IS ADEQUATE FOR DESIGN FORCE (REFER TO TRUSS MANUF DESIGN)

NOTE:
INSTALL BLOCKING AND ANCHORS AFTER TRUSSES ARE LOADED

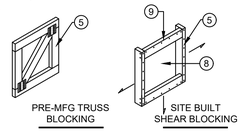
IF TRUSS IS IN LINE w/ WALL, PROVIDE SIMPSON STRONG-TIE A35 CLIP TO DBL. TOP PLATE @ 24" O.C.



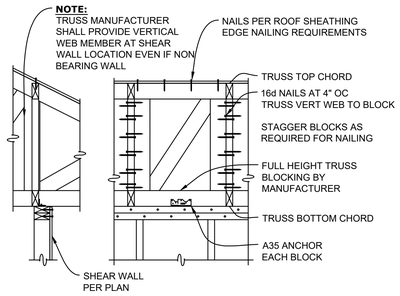
L S501 SHEAR WALL / ROOF CONNECTION
SCALE:NTS



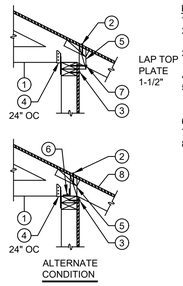
KEYNOTES
1. PRE-ENGINEERED TRUSS PER FRAMING PLAN
2. EDGE NAILING PER ROOF SHEATHING REQUIREMENTS
3. EDGE NAILING PER SHEAR WALL REQUIREMENTS WHERE REQUIRED
4. SIMPSON H1 AT SPACING SHOWN UNO
5. PRE-MFG OR SITE BUILT TRUSS BLOCKING EA SPACE PER DETAILS BELOW, NAIL THROUGH TRUSS WEB TO BLKNG w/ 16d NAILS AT 8" OC
6. SIMPSON A35 ANCHOR EACH BLOCK
7. (4) 16d TOENAILS EA BLOCK AS ALTERNATE TO A35 ANCHOR
8. 7/16" OSB w/ 8d NAILS AT 4" OC OVER 2x4 PERIMETER BLOCKING (SHEATHING MAY APPLIED CONTINUOUS OVER BLOCKING AND TRUSSES AND SHEAR WALL BELOW)
9. HOLD DOWN EVERY FOURTH BLOCK 1-1/2" FOR VENTILATION



RAISED HEEL TRUSS CONNECTION



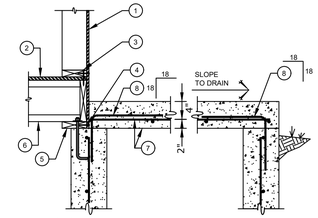
K S501 TRUSS BLOCKING DETAIL
SCALE:NTS



KEYNOTES
1. PRE-ENGINEERED TRUSS PER FRAMING PLAN
2. EDGE NAILING PER ROOF SHEATHING REQUIREMENTS UNO
3. EDGE NAILING PER SHEAR WALL REQUIREMENTS WHERE REQUIRED
4. SIMPSON H1 AT SPACING SHOWN UNO
5. 2x BLOCKING EA SPACE, TIP UP EVERY 4TH BLOCK FOR VENTILATION OR MODIFY BLOCK FOR VENT PER OPTIONS BELOW
6. SIMPSON A35 ANCHOR EA BLOCK OR (3) 16d TOE NAILS
7. (3) 16d NAILS EACH BLOCK
8. 1x STARTER BOARD AT EXPOSED EAVE CONDITION

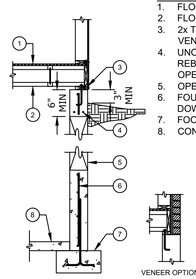
DRILL
V-CUT
DOG EAR CUT
ACCEPTABLE VENTILATION METHODS AT SHEAR BLOCKING

J S501 TRUSS TO WALL
SCALE:NTS



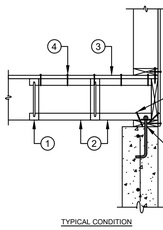
KEYNOTES
1. APA RATED WALL SHEATHING PER SHEAR WALL SCHEDULE
2. APA RATED FLOOR SHEATHING GLUED AND NAILED PER FRAMING PLAN
3. (3) 16d NAILS PER 16" BTWN STUDS
4. EDGE NAILING PER SHEAR WALL REQUIREMENTS TYP
5. SILL PLATE & ANCHOR BOLT SIZE AND SPACING PER SHEAR WALL REQUIREMENTS, ADJUST LOCATION FOR VENEER WHERE REQUIRED
6. FLOOR JOIST PER PLAN
7. 6" MIN THICK SUSPENDED CONCRETE SLAB W/ #4 BARS AT 14" OC EA WAY
8. #4 DOWELS (18" x 18") AT 24" OC

H S501 CONCRETE PORCH CAP FULL FOUNDATION
SCALE:NTS



KEYNOTES
1. FLOOR SHEATHING PER PLAN
2. FLOOR FRAMING PER PLAN - DIRECTION MAY VARY
3. 2x TREATED SILL PLATE - ADJUST LOCATION FOR VENEER WHERE REQUIRED
4. UNO (2) #4 REBAR ABOVE OPENING AND (1) #4 REBAR ON REMAINING SIDES - EXTEND 24" BEYOND OPENING
5. OPENING WHERE OCCURS PER PLAN
6. FOUNDATION REINFORCING PER PLAN - FOOTING DOWEL TO MATCH WALL VERTICAL BARS
7. FOOTING PER PLAN
8. CONCRETE SLAB ON GRADE PER PLAN

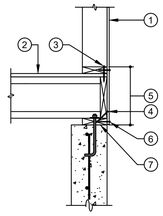
G S501 TYP. FOOTING AND BASEMENT FOUNDATION
SCALE:NTS



KEYNOTES
1. FLOOR JOIST PARALLEL TO FOUNDATION WALL
2. FULL HEIGHT JOIST BLOCKING IN FIRST (2) BAYS AT 24" OC UNO
3. FLOOR SHEATHING PER PLAN
4. 10d NAILS AT 4" OC TO BLOCKING
5. ANCHOR BLOCK TO SILL PLATE W/ (4) 16d NAILS
6. ANCHOR BOLT AND SILL PLATE PER PLAN

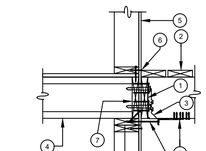
BLOCKING NOT REQUIRED:
- OUTSIDE SOIL BACKFILL ON FOUNDATION IS 4'-0" OR LESS
- WITHIN 6'-0" OF FOUNDATION WALL CORNERS

F S501 JOIST PARALLEL FOUNDATION
SCALE:NTS



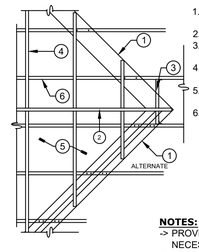
KEYNOTES
1. 2x WALL PER PLAN
2. FLOOR SHEATHING PER PLAN
3. (3) 16d NAILS PER 16" BETWEEN STUDS
4. 10d TOE NAIL AT 6" OC RIM TO PLATE
5. NO HORIZONTAL SHEATHING JOINTS ALLOWED IN THIS AREA
6. EDGE NAILING PER SHEAR WALL REQUIREMENTS - 8d AT 6" OC UNO
7. 2x6 TREATED SILL PLATE & ANCHOR BOLTS PER PLAN

E S501 JOIST PERPENDICULAR
SCALE:NTS



KEYNOTES
1. 2x10 NAILER (MIN) w/ (4) 16d @ 16" O.C. AND FASTEN MASTER Ledger/LOK 3⅝" (OR EQAUL) BETWEEN EA JOIST STAGGERED
2. DECKING PER ARCH PLAN
3. DECK JOIST AND HANGER PER FRAMING PLAN
4. FLOOR JOIST SIZE TYPE AND ORIENTATION PER FRAMING PLAN
5. APA RATED WALL SHEATHING PER SHEAR WALL SCHEDULE
6. EDGE NAILING PER SHEAR WALL REQUIREMENTS TYP
7. 1-1/8" MIN THICKNESS LSL RIM BOARD
8. SIMPSON DTT1Z ANCHORS AT 4'-0" OC MAX (MIN 4 PER DECK). ANCHOR w/ SDWH TIMBER-HEX TO STRUCTURE, SD #9x1½ TO JOIST

D S501 DECK CONNECTION
SCALE:NTS

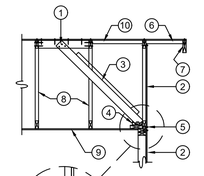


KEYNOTES
1. SINGLE or DBL VALLEY NAILER LAID FLAT w/ (2) 16d AT EA FRAMING MEMBER
1. ALTERNATE: (2) 2x4 VALLEY MEMBERS LAID FLAT w/ (2) 16d EA FRAMING MEMBER BELOW
2. RIDGE BOARD BRACED AT 6'-0" OC TO FRAMING BELOW
3. 2x BLOCK BETWEEN TRUSS TOP CHORDS (MATCH SIZE)w/ A35 or U HANGER EA END AT TAIL OF RIDGE BOARD
4. OVERBUILD RAFTERS BRACED TO FRAMING BELOW AT 6'-0" OC MAXIMUM
5. SHEATHING SHALL BE CONTINUOUS BELOW ALL OVERBUILD ON FRAMING BELOW
6. ROOF FRAMING BELOW

SNOW LOAD	RIDGE	VALLEY		RAFTERS
		SINGLE	DBL	
30	2x8	2x10	2-2x4	2x4 @ 24" OC
30-60	2x10	2x12	2-2x6	2x6 @ 24" OC
60-100	2x12	2x14	2-2x8	2x8 @ 24" OC
-	-	-	-	-

NOTES:
-> PROVIDE VENTILATION AND ACCESS TO OVERBUILD AREAS AS NECESSARY
-> BRACE OVERBUILD FRAMING AS NOTED SUCH THAT LOADS ARE DISTRIBUTED UNIFORMLY TO FRAMING BELOW

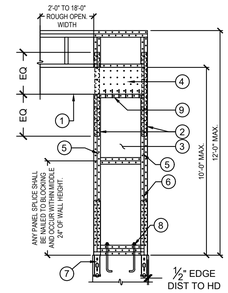
C S501 OVERBUILD FRAMING DETAIL
SCALE:NTS



KEYNOTES
1. 2x BLOCK BETWEEN TRUSSES AT UPPER END OF BRACE. END NAIL INTO BLOCK W/ (2) 16d. LAP BRACE ONTO BLOCK & NAIL W/ (3) 16d
2. APA RATED SHEATHING PER SHEAR WALL REQUIREMENTS
3. 2x4 DIAGONAL BRACE AT 6'-0" OC MAX, BRACES OVER 6'-0" LONG USE (2) 2x4 T-BRACE (SEE DTL BELOW)
4. ATTACH BRACE TO 2x6 NAILER W/ SIMPSON A35
5. BOUNDARY NAILING PER SHEAR WALL REQ'MNTS
6. OUTLOOKERS
7. EAVE BOARD
8. TRUSSES PER PLAN
9. CEILING SHEATHING
10 ROOF SHEATHING PER PLAN
11.16d NAILS AT 8" OC
12.16d NAILS AT 12" OC

T-BRACE DETAIL

B S501 GABLE TRUSS BRACING
SCALE:NTS



KEYNOTES
1. BEAM PER PLAN - EXTEND OVER SHEAR WALL - PLACE HEADER AT TOP OF GARAGE OPENING
2. (2) SIMPSON MST37 OR EQUIVALENT STRAPS FASTENED TO FRAMING OPPOSITE THE SHEATHING.
3. SHEAR WALL SHEATHING PER PLAN & SCHEDULE
4. LAP SHEATHING OVER HEADER & NAIL w/ 8d NAILS AT 3" O.C. IN ROWS SPACED NO MORE THAN 3" O.C.
5. FASTEN SHEATHING TO ALL FRAMING w/ 8d NAILS AT 3" O.C., TYP.
6. MIN. (2) 2x POST OR TRIMMERS PER PLAN AT HOLDOWNS
7. SIMPSON STHD14 OR EQUIVALENT.
8. (2) 5/8" DIA ANCHOR BOLTS w/ 7" MIN. EMBED., 3"x3"x5/16" PLATE WASHERS & 2x TREATED SILL PLATE
9. FASTEN TOP PLATE TO HEADER w/ TWO ROWS OF 16d SINKER NAILS @ 16" O.C., TYP.

A S501 GARAGE PORTAL FRAME
SCALE:NTS

NOTE:
ALL OF THESE DETAILS MAY OR MAY NOT BE USED FOR THIS SPECIFIC PROJECT.

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DRAWN BY: TBH
PROJECT MANAGER: CMM
CHECKED BY: CMM

LAKESHORE PLAN
MUTUAL SELF-HELP
UBAOG - ROOSEVELT
UINTAH BASIN

NO.	DATE	REVISION	BY
1		FOR REVIEW	
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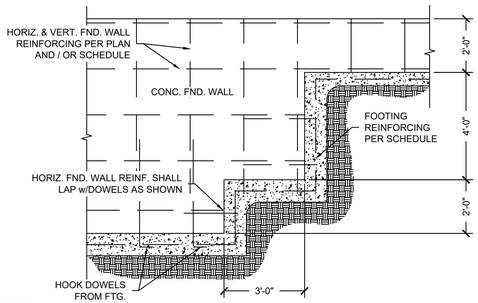
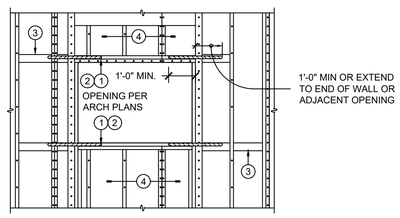
TYPICAL STRUCTURAL DETAILS

S501

Monday, October 25, 2021 7:29:52 PM S:\ENGINEERING PROJECTS\21-0308 UBAOG SELF HELP HOUSING 2021\DWG\LAKE SHORE\STANDARD RESIDENTIAL DETAILS.DWG

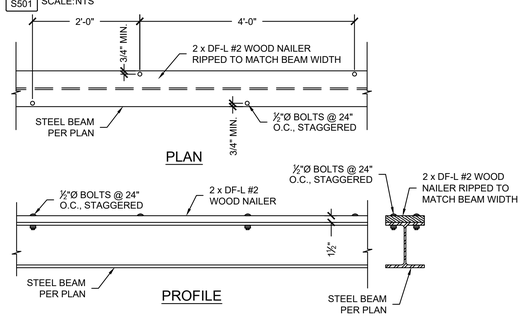


Q S501 STEPPED FOOTING DETAIL
SCALE:NTS

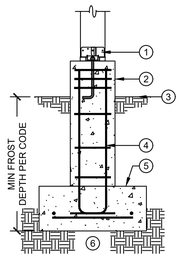


KEYNOTES
1. SIMPSON CS16 STRAP w/ 10d NAILS ABOVE AND BELOW ALL OPENINGS INDICATED - NOT REQ'D AT BOTTOM OF DOORS
2. ONE PIECE STRAP MAY BE USED
3. 2x FLAT OR 4x BLOCKING BTWN STUDS FOR STRAP NAILING
4. SHEATH ABOVE AND BELOW OPENINGS w/ SAME REQMNTS AS SIDE PANELS
5. HEADER MAY BE SET AT TOP OF OPENING AS ALTERNATE

P S501 STRAPPED OPENING - F.T.A.O.
SCALE:NTS



N S501 STEEL BEAM WITH NAILER
SCALE:NTS



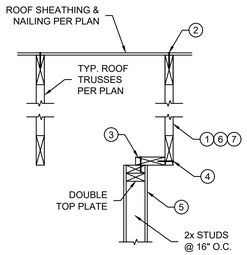
KEYNOTES
1. POST & POST BASE PER PLAN (SIMPSON ABU w/ 5/8" DIA THRD ROD x 8" EPOXY EMBEDMENT UNO)
2. CONCRETE PIER SIZE AND TYPE PER PLAN (14" DIA SONOTUBE UNO)
3. FINISH GRADE. PLACE TOP OF PIER 6" ABOVE (MIN).
4. VERTICAL REBAR (4) #4 U.N.O. w/ CLOSED LOOP #3 TIES @ 8" O.C. w/ 3 IN THE TOP 8"
5. CONCRETE FOOTING SIZE AND REINFORCING PER PLAN
6. UNDISTURBED NATURAL SOIL OR STRUCTURAL FILL

M S501 PIER FOOTING DETAIL
SCALE:NTS

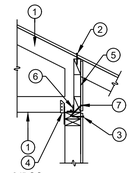
KEYNOTES
1. DRAG TRUSS PER FRAMING PLAN
2. EDGE NAIL & SPACING PER ROOF SHEATHING REQUIREMENTS (UNO)
3. CONTINUOUS 2x BLOCKING OVER SHEAR WALL, w/ 16d @ 4" O.C.
4. 16d @ 4" OC (UNO)
5. SHEAR WALL SHEATHING PER PLAN
6. SHEATH TRUSS PER SW2 REQUIREMENTS UNO
7. OMIT SHEATHING IF DRAG TRUSS IS ADEQUATE FOR DESIGN FORCE (REFER TO TRUSS MANUF DESIGN)

NOTE:
INSTALL BLOCKING AND ANCHORS AFTER TRUSSES ARE LOADED

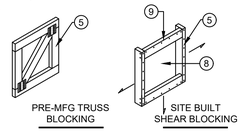
IF TRUSS IS IN LINE w/ WALL, PROVIDE SIMPSON STRONG-TIE A35 CLIP TO DBL. TOP PLATE @ 24" O.C.



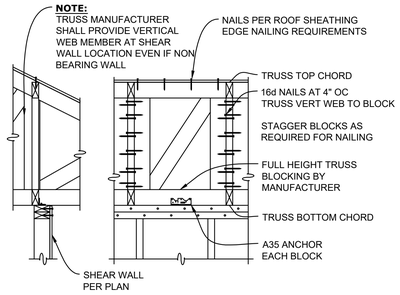
L S501 SHEAR WALL / ROOF CONNECTION
SCALE:NTS



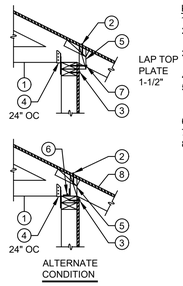
KEYNOTES
1. PRE-ENGINEERED TRUSS PER FRAMING PLAN
2. EDGE NAILING PER ROOF SHEATHING REQUIREMENTS
3. EDGE NAILING PER SHEAR WALL REQUIREMENTS WHERE REQUIRED
4. SIMPSON H1 AT SPACING SHOWN UNO
5. PRE-MFG OR SITE BUILT TRUSS BLOCKING EA SPACE PER DETAILS BELOW, NAIL THROUGH TRUSS WEB TO BLKNG w/ 16d NAILS AT 8" OC
6. SIMPSON A35 ANCHOR EACH BLOCK
7. (4) 16d TOENAILS EA BLOCK AS ALTERNATE TO A35 ANCHOR
8. 7/16" OSB w/ 8d NAILS AT 4" OC OVER 2x4 PERIMETER BLOCKING (SHEATHING MAY APPLIED CONTINUOUS OVER BLOCKING AND TRUSSES AND SHEAR WALL BELOW)
9. HOLD DOWN EVERY FOURTH BLOCK 1-1/2" FOR VENTILATION



RAISED HEEL TRUSS CONNECTION



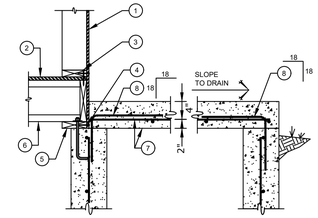
K S501 TRUSS BLOCKING DETAIL
SCALE:NTS



KEYNOTES
1. PRE-ENGINEERED TRUSS PER FRAMING PLAN
2. EDGE NAILING PER ROOF SHEATHING REQUIREMENTS UNO
3. EDGE NAILING PER SHEAR WALL REQUIREMENTS WHERE REQUIRED
4. SIMPSON H1 AT SPACING SHOWN UNO
5. 2x BLOCKING EA SPACE, TIP UP EVERY 4TH BLOCK FOR VENTILATION OR MODIFY BLOCK FOR VENT PER OPTIONS BELOW
6. SIMPSON A35 ANCHOR EA BLOCK OR (3) 16d TOE NAILS
7. (3) 16d NAILS EACH BLOCK
8. 1x STARTER BOARD AT EXPOSED EAVE CONDITION

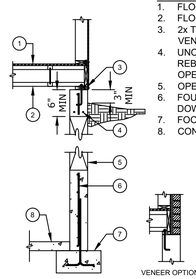
DRILL
V-CUT
DOG EAR CUT
ACCEPTABLE VENTILATION METHODS AT SHEAR BLOCKING

J S501 TRUSS TO WALL
SCALE:NTS



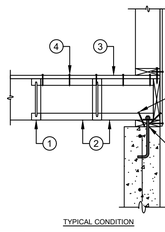
KEYNOTES
1. APA RATED WALL SHEATHING PER SHEAR WALL SCHEDULE
2. APA RATED FLOOR SHEATHING GLUED AND NAILED PER FRAMING PLAN
3. (3) 16d NAILS PER 16" BTWN STUDS
4. EDGE NAILING PER SHEAR WALL REQUIREMENTS TYP
5. SILL PLATE & ANCHOR BOLT SIZE AND SPACING PER SHEAR WALL REQUIREMENTS, ADJUST LOCATION FOR VENEER WHERE REQUIRED
6. FLOOR JOIST PER PLAN
7. 6" MIN THICK SUSPENDED CONCRETE SLAB W/ #4 BARS AT 14" OC EA WAY
8. #4 DOWELS (18" x 18") AT 24" OC

H S501 CONCRETE PORCH CAP FULL FOUNDATION
SCALE:NTS



KEYNOTES
1. FLOOR SHEATHING PER PLAN
2. FLOOR FRAMING PER PLAN - DIRECTION MAY VARY
3. 2x TREATED SILL PLATE - ADJUST LOCATION FOR VENEER WHERE REQUIRED
4. UNO (2) #4 REBAR ABOVE OPENING AND (1) #4 REBAR ON REMAINING SIDES - EXTEND 24" BEYOND OPENING
5. OPENING WHERE OCCURS PER PLAN
6. FOUNDATION REINFORCING PER PLAN - FOOTING DOWEL TO MATCH WALL VERTICAL BARS
7. FOOTING PER PLAN
8. CONCRETE SLAB ON GRADE PER PLAN

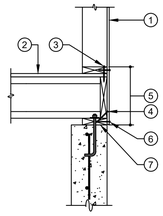
G S501 TYP. FOOTING AND BASEMENT FOUNDATION
SCALE:NTS



KEYNOTES
1. FLOOR JOIST PARALLEL TO FOUNDATION WALL
2. FULL HEIGHT JOIST BLOCKING IN FIRST (2) BAYS AT 24" OC UNO
3. FLOOR SHEATHING PER PLAN
4. 10d NAILS AT 4" OC TO BLOCKING
5. ANCHOR BLOCK TO SILL PLATE W/ (4) 16d NAILS
6. ANCHOR BOLT AND SILL PLATE PER PLAN

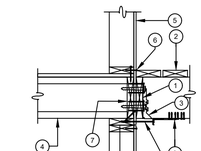
BLOCKING NOT REQUIRED:
- OUTSIDE SOIL BACKFILL ON FOUNDATION IS 4'-0" OR LESS
- WITHIN 6'-0" OF FOUNDATION WALL CORNERS

F S501 JOIST PARALLEL FOUNDATION
SCALE:NTS



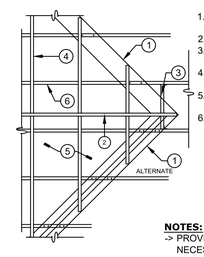
KEYNOTES
1. 2x WALL PER PLAN
2. FLOOR SHEATHING PER PLAN
3. (3) 16d NAILS PER 16" BETWEEN STUDS
4. 10d TOE NAIL AT 6" OC RIM TO PLATE
5. NO HORIZONTAL SHEATHING JOINTS ALLOWED IN THIS AREA
6. EDGE NAILING PER SHEAR WALL REQUIREMENTS - 8d AT 6" OC UNO
7. 2x6 TREATED SILL PLATE & ANCHOR BOLTS PER PLAN

E S501 JOIST PERPENDICULAR
SCALE:NTS



KEYNOTES
1. 2x10 NAILER (MIN) w/ (4) 16d @ 16" O.C. AND FASTEN MASTER Ledger/LOK 3⅝" (OR EQAUL) BETWEEN EA JOIST STAGGERED
2. DECKING PER ARCH PLAN
3. DECK JOIST AND HANGER PER FRAMING PLAN
4. FLOOR JOIST SIZE TYPE AND ORIENTATION PER FRAMING PLAN
5. APA RATED WALL SHEATHING PER SHEAR WALL SCHEDULE
6. EDGE NAILING PER SHEAR WALL REQUIREMENTS TYP
7. 1-1/8" MIN THICKNESS LSL RIM BOARD
8. SIMPSON DTT1Z ANCHORS AT 4'-0" OC MAX (MIN 4 PER DECK). ANCHOR w/ SDWH TIMBER-HEX TO STRUCTURE, SD #9x1½ TO JOIST

D S501 DECK CONNECTION
SCALE:NTS



KEYNOTES
1. SINGLE or DBL VALLEY NAILER LAID FLAT w/ (2) 16d AT EA FRAMING MEMBER
1. ALTERNATE: (2) 2x4 VALLEY MEMBERS LAID FLAT w/ (2) 16d EA FRAMING MEMBER BELOW
2. RIDGE BOARD BRACED AT 6'-0" OC TO FRAMING BELOW
3. 2x BLOCK BETWEEN TRUSS TOP CHORDS (MATCH SIZE)w/ A35 or U HANGER EA END AT TAIL OF RIDGE BOARD
4. OVERBUILD RAFTERS BRACED TO FRAMING BELOW AT 6'-0" OC MAXIMUM
5. SHEATHING SHALL BE CONTINUOUS BELOW ALL OVERBUILD ON FRAMING BELOW
6. ROOF FRAMING BELOW

SNOW LOAD	RIDGE	VALLEY		RAFTERS
		SINGLE	DBL	
30	2x8	2x10	2-2x4	2x4 @ 24" OC
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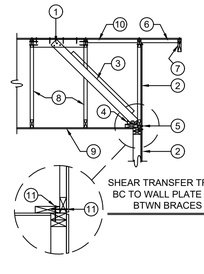
60-100	2x12	2x14	2-2x8	2x8 @ 24" OC
-	-	-	-	-

NOTES:
-> PROVIDE VENTILATION AND ACCESS TO OVERBUILD AREAS AS NECESSARY
-> BRACE OVERBUILD FRAMING AS NOTED SUCH THAT LOADS ARE DISTRIBUTED UNIFORMLY TO FRAMING BELOW

C S501 OVERBUILD FRAMING DETAIL
SCALE:NTS



KEYNOTES
1. 2x BLOCK BETWEEN TRUSSES AT UPPER END OF BRACE. END NAIL INTO BLOCK W/ (2) 16d. LAP BRACE ONTO BLOCK & NAIL W/ (3) 16d
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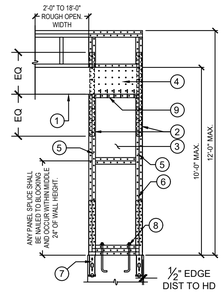
3. 2x4 DIAGONAL BRACE AT 6'-0" OC MAX, BRACES OVER 6'-0" LONG USE (2) 2x4 T-BRACE (SEE DTL BELOW)
4. ATTACH BRACE TO 2x6 NAILER W/ SIMPSON A35
5. BOUNDARY NAILING PER SHEAR WALL REQ'MNTS
6. OUTLOOKERS
7. EAVE BOARD
8. TRUSSES PER PLAN
9. CEILING SHEATHING
10. ROOF SHEATHING PER PLAN
11. 16d NAILS AT 8" OC
12. 16d NAILS AT 12" OC

T-BRACE DETAIL

B S501 GABLE TRUSS BRACING
SCALE:NTS



KEYNOTES
1. BEAM PER PLAN - EXTEND OVER SHEAR WALL - PLACE HEADER AT TOP OF GARAGE OPENING
2. (2) SIMPSON MST37 OR EQUIVALENT STRAPS FASTENED TO FRAMING OPPOSITE THE SHEATHING.
3. SHEAR WALL SHEATHING PER PLAN & SCHEDULE
4. LAP SHEATHING OVER HEADER & NAIL w/ 8d NAILS AT 3" O.C. IN ROWS SPACED NO MORE THAN 3" O.C.
5. FASTEN SHEATHING TO ALL FRAMING w/ 8d NAILS AT 3" O.C., TYP.
6. MIN. (2) 2x POST OR TRIMMERS PER PLAN AT HOLDOWNS
7. SIMPSON STHD14 OR EQUIVALENT.
8. (2) 5/8" DIA ANCHOR BOLTS w/ 7" MIN. EMBED., 3"x3"x5/16" PLATE WASHERS & 2x TREATED SILL PLATE
9. FASTEN TOP PLATE TO HEADER w/ TWO ROWS OF 16d SINKER NAILS @ 16" O.C., TYP.

A S501 GARAGE PORTAL FRAME
SCALE:NTS

NOTE:
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LAKESHORE PLAN
MUTUAL SELF-HELP
UBAOG - ROOSEVELT
UINTAH BASIN

NO.	DATE	REVISION	BY
1		FOR REVIEW	
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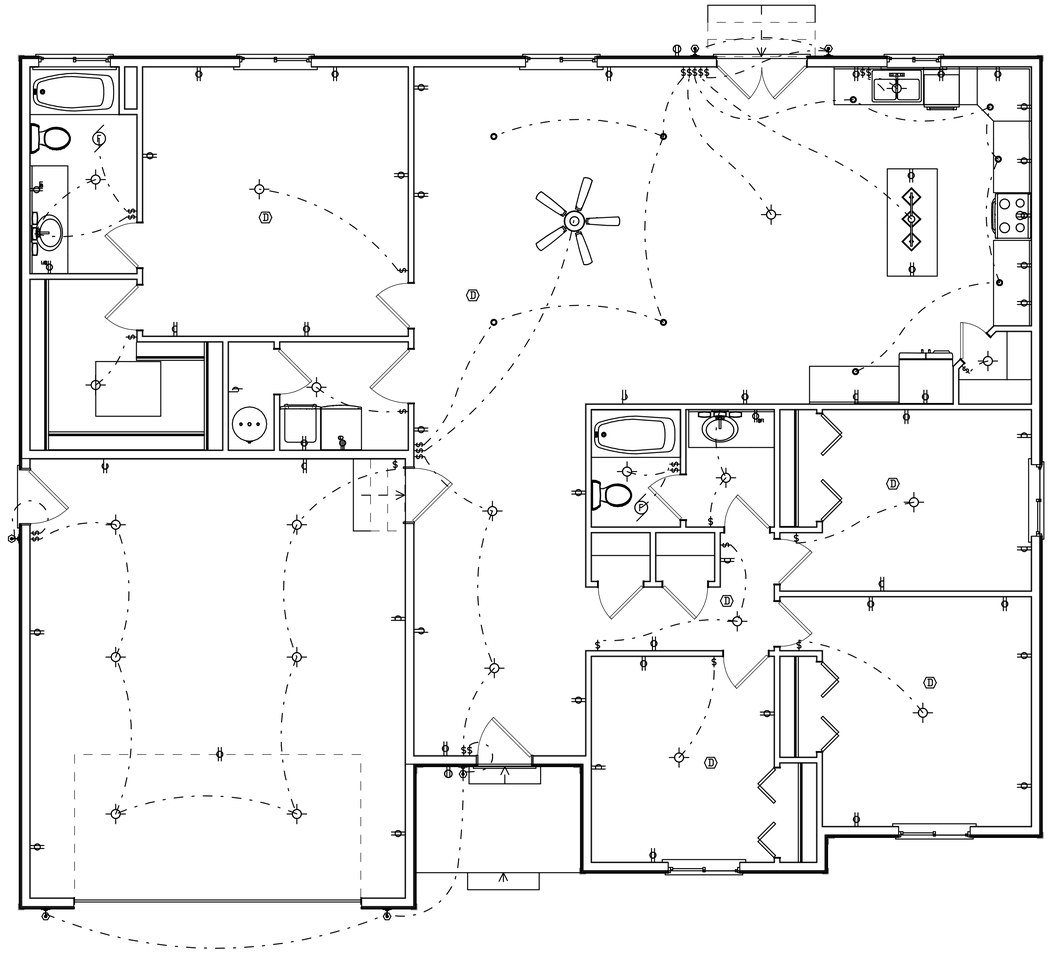
TYPICAL STRUCTURAL DETAILS

S501

Monday, October 25, 2021 7:30:11 PM S:\ENGINEERING PROJECTS\21-0308 UBAOG SELF HELP HOUSING 2021\DWG\LAKE SHORE\STANDARD RESIDENTIAL DETAILS.DWG



Electrical Legend

Symbol	Description
	120 VOLT OULET
	120 VOLT OUTLET GFI
	220 VOLT OUTLET
$	SWITCH
F	EXHAUST FAN
D	SMOKE DETECTOR
C	CARBON MONOXIDE DETECTOR
	RECESSED CEILING LIGHT
	TYP. LIGHT FIXTURES PER OWNER AS SHOWN

ELECTRICAL NOTES:

ALL BEDROOM CIRCUITS SHALL BE ARC FAULT PROTECTED

ALL RECEPTACLES SHALL BE TAMPER RESISTANT

EXTERIOR RECEPTACLES SHALL BE IN A WATER RESISTANT COVER

75% OF ALL LIGHTING FIXTURES SHALL BE CFL OR LED

A E101 ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

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DRAWN BY:
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PROJECT MANAGER:
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CHECKED BY:
CMM

LAKESHORE PLAN
MUTUAL SELF-HELP
UBAOG - ROOSEVELT
UINTAH BASIN

ELECTRICAL PLAN

E101