

GENERAL NOTES

DESIGN STANDARD

CODE REQUIREMENTS: CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE.

DESIGN CRITERIA:

DESIGN WAS BASED ON THE STRENGTH AND DEFLECTION CRITERIA OF THE 2018 INTERNATIONAL BUILDING CODE. IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS WERE USED FOR DESIGN, WITH LIVE LOADS REDUCED PER IBC. FLOOR LIVE LOAD: LIVING: 50 PSF (OFFICE) / 100 PSF (CORRIDORS) TRUSS DEAD LOADS: 7 PSF T.C 8 PSF B.C. SNOW BUILDUP ASCE 7-16 (FLOOR L.L. DEFLECTION L/720 MAX.) ROOF SL: 40 PSF MIN. (NO DEDUCTIONS ALLOWED) WIND: EXPOSURE B PER 2018 IBC BASIC WIND SPEED: 103 MPH SEISMIC IMPORTANCE FACTOR IE: 1.0 SITE CLASS: D SDS = 0.343 SEISMIC DESIGN CATEGORY: C BASIC SEISMIC FORCE-RESISTING SYSTEM: PLYWOOD SHEAR WALLS RESPONSE MODIFICATION FACTOR R: 6.5 ANALYSIS PROCEDURE USED: ENGINEERED ALLOWABLE SOIL BEARING PRESSURE: 1,500 PSF

GENERAL

THIS STRUCTURE IS DESIGNED FOR THE ABOVE LOADS AND IS NOT STABLE UNTIL COMPLETE. THE CONTRACTOR SHALL ADEQUATELY BRACE ALL ELEMENTS FOR GRAVITY AND LATERAL LOADS AND UNTIL THE ENTIRE STRUCTURE IS ERECTED AND ALL CONNECTIONS ARE MADE. THESE STRUCTURAL NOTES ARE A SUPPLEMENT TO THE SPECIFICATIONS. SPECIFICATIONS AND CODES REFERENCED IN THESE NOTES ARE THE VERSIONS MOST RECENTLY ADOPTED BY THE PERMITTING AUTHORITY. VERIFY DIMENSIONS AND CONDITIONS WITH THE ARCHITECTURAL DRAWINGS. FIELD VERIFY DIMENSIONS AND ELEVATIONS RELATIVE TO THE EXISTING STRUCTURE PRIOR TO FABRICATION OF MATERIALS. FOR FEATURES OF CONSTRUCTION NOT FULLY SHOWN, PROVIDE THE SAME TYPE AND CHARACTER AS SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. APPLY, PLACE, ERECT, OR INSTALL ALL PRODUCTS AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ADEQUATELY BRACE STRUCTURE AND ALL STRUCTURAL COMPONENTS AGAINST WIND, LATERAL, EARTH, AND SEISMIC FORCES UNTIL THE PERMANENT LATERAL FORCE-RESISTING SYSTEMS HAVE BEEN INSTALLED. PROVIDE BLOCKING BETWEEN STUDS (OR OTHER MEANS OF BRACING) AT WOOD BEARING WALLS TO PREVENT STUD BUCKLING PRIOR TO INSTALLATION OF GYPSUM WALLBOARD. SUBMITTALS: SUBMIT SHOP DRAWINGS FOR: PRE-FABRICATED BEAMS GLUE LAMINATED MEMBERS, SUBMIT SHOP DRAWINGS, STAMPED BY A REGISTERED STRUCTURAL ENGINEER LICENSED IN THE STATE OF IDAHO FOR: PRE-FABRICATED JOISTS BIDDER DESIGN STRUCTURAL ITEMS, SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION OF MATERIAL

EXISTING CONDITIONS: THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT /ENGINEER OF ANY DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS PRIOR TO THE START OF THE WORK

TEMPORARY CONDITIONS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE NEW AND EXISTING STRUCTURES DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER THE FINAL CONFIGURATION ONLY.

EARTHWORK: ALL EARTHWORK SHALL BE IN CONFORMANCE WITH THE SOILS REPORT. IF A SOILS REPORT IS NOT AVAILABLE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROPERLY PREPARE THE SITE FOR THE NEW FOUNDATION. FOOTINGS SHALL BEAR ON UNDISTURBED NATIVE SOIL OR STRUCTURAL FILL IN ACCORDANCE WITH THE SOILS REPORT. GRADATION REQUIREMENTS FOR STRUCTURAL FILL:

Table with 3 columns: U.S. Standard Sieve Size, Percent Passing by Dry Weight, and values for 3 inch, 1/2 inch, No. 4, No. 10, No. 40, No. 200.

GRAVEL PLACED UNDER SLABS ON GRADE SHALL BE COMPACTED PER THE SOILS REPORT RECOMMENDATIONS. IF A SOILS REPORT IS NOT AVAILABLE, THE GRAVEL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE DRY DENSITY AS DETERMINED BY ASTM D 1557.

SITE PREPARATION: REMOVE VEGETATION, RUBBISH, AND EXISTING FILL WITHIN BUILDING FOOTPRINT AND 5' - 0" (MINIMUM) BEYOND THE FOOTPRINT. STRIP TOP 6" OF SOIL, MINIMUM.

PRE-ROLL AREA WITHIN BUILDING FOOTPRINT AND 5'-0" (MINIMUM) BEYOND WITH A HEAVY VIBRATORY ROLLER OR LOADED DUMP TRUCK. MAKE 3 PASSES (MINIMUM) OVER THE ENTIRE AREA.

REMOVE AREAS OF SOIL, AS REQUIRED, THAT EXHIBIT EXCESSIVE WEAVING OR DEFLECTION UNDER THE WEIGHT OF THE ROLLER OR DUMP TRUCK.

BACK-FILL EXCAVATED AREAS WITH STRUCTURAL FILL AS DESCRIBED BELOW.

CONSULT THE SOILS REPORT (IF AVAILABLE) FOR ADDITIONAL INFORMATION.

STRUCTURAL FILL OR BACK-FILL: STRUCTURAL FILL MATERIAL: SAND AND GRAVEL, MIXTURE OR CRUSHED ROCK.

WELL GRADED FROM COARSE TO FINE WITH LESS THAN 10% BY WEIGHT OF THE MINUS 4" FRACTION PASSING THE NO.200 SIEVE.

FREE OF ORGANICS, RUBBISH, CLAY BALLS OR ROCKS LARGER THAN 4"

PLACE STRUCTURAL FILL IN LOOSE LIFTS, MAXIMUM OF 8" IN THICKNESS

COMPACT STRUCTURAL FILL TO A MINIMUM DENSITY OF 95% OF MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM D 1557

VERIFY ADEQUACY OF STRUCTURAL FILL COMPACTION WITH RANDOM FIELD DENSITY TESTS.

COMPACT THE STRUCTURAL FILL WITH 5' - 0" OF RETAINING OR BASEMENT WALLS WITH LIGHTWEIGHT, HANDHELD EQUIPMENT. EXERCISE CARE TO AVOID DAMAGE TO WALLS.

CONSULT THE SOILS REPORT (IF AVAILABLE) FOR ADDITIONAL INFORMATION.

FOUNDATIONS: FOUNDATION SIZES BASED ON ALLOWABLE SOIL BEARING PRESSURE OF 1,500 PSF (DEAD + LIVE) WITH AN ALLOWABLE ONE-THIRD INCREASE FOR WIND AND SEISMIC.

PLACE FOOTINGS ON FIRM, UNDISTURBED NATIVE SOIL OR ON STRUCTURAL FILL (SEE "STRUCTURAL FILL" NOTES FOR ADDITIONAL INFORMATION)

LOCATE BOTTOM OF FOOTINGS A MINIMUM OF 2' - 0" BELOW FINISH GRADE OR 1' - 0" BELOW EXISTING GRADE, WHICHEVER IS LOWER.

PRIOR TO PLACEMENT OF CONCRETE, REMOVE ALL DISTURBED SOIL FROM FOOTING EXCAVATION.

STEP BOTTOM OF FOOTINGS AT ELEVATION CHANGES AT A SLOPE OF 1 VERTICAL TO 2 HORIZONTAL, WITH A MAXIMUM VERTICAL STEP OF 2' - 0"

CONSULT THE SOILS REPORT (IF AVAILABLE) FOR ADDITIONAL INFORMATION.

CAST-IN-PLACE CONCRETE: MIX DESIGN: PREPARE DESIGN MIXES FOR EACH TYPE OF CONCRETE. PROPORTION MIXES BY EITHER LABORATORY TRIAL BATCH OR FIELD EXPERIENCE METHODS, USING MATERIALS TO BE EMPLOYED ON THE PROJECT FOR EACH CLASS OF CONCRETE. FURNISH CERTIFIED REPORTS OF EACH PROPOSED MIX DESIGN. THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS, ALONG WITH TEST DATA AS REQUIRED BY ACI 318-99, A MINIMUM OF TWO WEEKS PRIOR TO PLACING CONCRETE.

ADMIXTURES: AIR ENTRAINING AGENT IN ACCORDANCE WITH ASTM C260 AND WATER-REDUCING ADMIXTURE CONFORMING TO ASTM 494, USED IN STRICT ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS, MAY BE INCORPORATED IN CONCRETE DESIGN MIXES. AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C260 SHALL BE USED IN

CONCRETE MIXES FOR EXTERIOR HORIZONTAL SURFACES EXPOSED TO WEATHER. THE MIX DESIGN SHALL COMPLY WITH ACI 318 SECTIONS 4.2.1 AND 4.2.2 FOR SEVERE EXPOSURE & AIR ENTRAINMENT. THE AMOUNT OF ENTRAINED AIR SHALL BE 5% - 7% BY VOLUME. FLY ASH SHALL NOT EXCEED 15% OF CEMENT CONTENT BY WEIGHT.

CONCRETE WORK SHALL CONFORM TO ACI 301. CONCRETE STRENGTHS SHALL BE VERIFIED BY STANDARD 28-DAY CYLINDER TESTS PER ASTM C39, AND SHALL BE AS FOLLOWS: FOOTINGS & WALLS: F'c=3,000 PSI AT 28 DAYS (DESIGNED FOR 2,500 PSI); MAXIMUM SLUMP 4" PLUS OR MINUS 1".

CONCRETE REINFORCING STEEL: REINFORCING STEEL SHALL BE ASTM A 615, GRADE 60.

WELDED REINFORCEMENT SHALL BE ASTM A 705, GRADE 60.

WELDED METAL INSERTS AND CONNECTIONS SHALL CONFORM TO AWS D1.4

DETAIL, FABRICATE, AND PLACE REINFORCING IN ACCORDANCE WITH ACI 315, "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"

TYPICAL REINFORCING (MINIMUM, UNLESS NOTED OTHERWISE ON DRAWINGS)

CORNERS AND INTERSECTIONS OF WALLS AND FOUNDATIONS, PRE-CAST PANEL CORNERS:

CORNER BARS EQUAL IN SIZE AND NUMBER TO HORIZONTAL REINFORCING. LEG LENGTH: 48 BAR DIAMETERS (2' - 0" MINIMUM)

SLAB OPENINGS: (2) #5 X OPENING DIMENSION + 4' - 0" EACH SIDE.

(2) #5 X 4' - 0" DIAGONAL BARS AT EACH CORNER

DO NOT FIELD BEND, DISPLACE, WELD, HEAT, OR CUT REINFORCING UNLESS INDICATED ON THE DRAWINGS, OR APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

MINIMUM COVER FROM CONCRETE SURFACE TO REINFORCING SHALL BE AS FOLLOWS:

3" TO BOTTOM OF FOOTING

1 1/2" WALL REINFORCING TO SURFACES EXPOSED TO EARTH OR WEATHER

2" TO MAIN STEEL BEAMS AND COLUMNS

REINFORCING LAP SPLICES TO CONFORM WITH ACI 318-08 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"

ANCHORS IN CONCRETE: INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

INSTALL WITH IBC SPECIAL INSPECTION ACCORDING TO SPECIAL INSPECTION PROGRAM.

EXPANSION ANCHORS (CONCRETE): ICC/CBO-APPROVED - CONFORM WITH FF-5-325, GROUP II, TYPE 4, CLASS I

MATERIAL: HOT DIPPED GALVANIZED ACCORDING TO ASTM A 153, OR AISI 304 STAINLESS STEEL WHEN IN CONTACT WITH PRESSURE TREATED LUMBER OR EXPOSED TO WEATHER.

ACCEPTABLE ANCHORS: "KWIK-BOLT" BY HELIX FASTENING SYSTEMS, INC.

"STRONG-BOLT" BY SIMPSON STRONG-TIE COMPANY, INC.

"TITEN-HD" BY SIMPSON STRONG-TIE COMPANY, INC.

ADHESIVE ANCHORS (CONCRETE OR GROUTED MASONRY) ICC/CBO APPROVED

ANCHOR COMPONENTS: ALL-THREAD ROD, NUT, WASHER, AND ADHESIVE INJECTION GEL SYSTEM

ANCHOR RODS: RODS WITH ROLLED THREADS

ANCHOR ROD NUTS TO CONFORM WITH ASTM A 194

ROD MATERIAL TO BE ASTM A 36 HOT-DIPPED GALVANIZED OR AISI 304 STAINLESS STEEL

WHEN IN CONTACT W/ PRESSURE TREATED LUMBER OR EXPOSED TO WEATHER.

ACCEPTABLE ADHESIVE INJECTION GEL SYSTEMS:

"HIT-HY-150" BY HELIX FASTENING SYSTEMS, INC.

"SET" BY SIMPSON STRONG-TIE COMPANY, INC.

NON-SHRINK GROUT: CONFORM WITH ASTM C 1107 AND C.R.D.-621, CORPS OF ENGINEERS "SPECIFICATIONS FOR NON-SHRINK GROUT."

SPECIFIED 28-DAY COMPRESSIVE STRENGTH: 5,000 PSI.

FRAMING LUMBER: LUMBER SPECIES: DOUGLAS FIR-LARCH OR HEMLOCK-FIR, GRADE LUMBER ACCORDING TO RULES OF WEST COAST LUMBER INSPECTION BUREAU (WCLIB).

LUMBER GRADES: SIZE CLASSIFICATION GRADE

A. EXTERIOR WALL STUDS NO. 2

B. INTERIOR NON-BEARING WALL STUDS/STANDARD OR BETTER OR STUD GRADE

C. INTERIOR BEARING WALL STUDS NO. 2

D. JOISTS NO. 2

E. BEAMS NO. 1 (U.N.O.)

F. POSTS NO. 1

G. BLOCKING, PLATES, BRIDGING STANDARD OR BETTER OR STUD GRADE

MAXIMUM MOISTURE CONTENT: 19% AT 3X OR LESS (LEAST DIMENSIONS) MEMBERS & ALL INTERIOR

PROVIDE SOLID BLOCKING (SAME DEPTH OF MEMBER) AT ALL POINTS OF BEARING (MAXIMUM SPACING OF 6'-0" O/C) AT JOISTS WITH A 5:1 OR GREATER DEPTH-TO-THICKNESS RATIO OR WHERE 1 EDGE OF JOIST IS NOT ATTACHED TO SHEATHING, WALLBOARD, BRACING, ETC.

PLATES AND LEDGERS: PLATES AND LEDGERS USED IN INTERIOR CONDITIONS (LUMBER AND FASTENERS ARE INSIDE OR CONCEALED BY MOISTURE BARRIER, ROOFING, ETC.) AND IN CONTACT WITH CONCRETE OR MASONRY ARE TO BE SEPARATED FROM CONCRETE OR MASONRY BY USE OF A MOISTURE BARRIER MEMBRANE SUCH AS W.R. GRACE-VYCOR, 45-LB. ROOFING PAPER, OR SIMILAR. USE STANDARD OR NON-PRESSURE TREATED LUMBER.

PLATES AND LEDGERS USED FOR EXTERIOR CONDITIONS (EXPOSED TO EXTERIOR ENVIRONMENT IN ANY CIRCUMSTANCE) TO BE PRESSURE TREATED.

DOUBLE ALL JOISTS UNDER ALL PARALLEL PARTITIONS.

SEE SCHEDULE AND DRAWINGS FOR NAILING.

EXTERIOR LUMBER AND LUMBER IN CONTACT WITH CONCRETE

LEDGERS: PRESSURE TREATED HEM FIR #2 OR PRESSURE TREATED DOUG FIR #2 (SEE PLAN)

JOISTS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 (SEE PLAN)

BEAMS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 OR GLULAM AC/AC 20F-V12 (SEE PLAN)

WOOD IN DIRECT CONTACT WITH CONCRETE OR MASONRY TO BE PRESSURE TREATED OR SEPARATED WITH A SELF-ADHERING "VYCOR" OR EQUAL WATER BARRIER

PLYWOOD SHEATHING: PLYWOOD MATERIAL: GRADE: C-D, UNLESS NOTED OTHERWISE.

MANUFACTURED WITH EXTERIOR GLUE ACCORDING TO UNITED STATES PRODUCT STANDARD PS 1-96.

SHALL BEAR THE AMERICAN PLYWOOD ASSOCIATION (APA) TRADEMARK.

NAILS IN CONTACT WITH PRESSURE-TREATED LUMBER SHALL BE STAINLESS STEEL OR APPROVED.

SUBSTITUTION OF ORIENTED STRAND BOARD (OSB) FOR PLYWOOD IS ACCEPTABLE IF THE OSB CONFORMS WITH APA PERFORMANCE STANDARDS FOR WOOD BASED STRUCTURAL PANELS PRP-105 AND UNITED STATES PRODUCT STANDARD PS 2-92.

IS MANUFACTURED WITH EXTERIOR GLUE.

HAS A LOAD/SPAN RATING INDEX EQUAL TO PLYWOOD.

BEARS THE APA TRADEMARK.

PROVIDE PRESSURE-TREATED PLYWOOD WHERE INDICATED ON DRAWINGS. CONFORM WITH AWPA STANDARD C-9. MARK SHEETS WITH AWBP.

SHEATHING TYPES: ROOF SHEATHING 15/32" INDEX 32/16

WALLS 7/16" INDEX 24/16

PLYWOOD LAYOUT AND INSTALLATION: LAY OUT PLYWOOD SHEATHING WITH END JOINTS STAGGERED, UNLESS NOTED OTHERWISE.

LAY OUT PLYWOOD TO ELIMINATE WIDTHS LESS THAN 1'-0" AT ROOFS, OR LESS THAN 2'-0" AT FLOORS, UNLESS ALL EDGES OF UNDERSIZED PIECES ARE SUPPORTED BY BLOCKING.

PROVIDE PANEL SPACING ACCORDING TO APA RECOMMENDATIONS.

BLOCK SHEAR WALL SHEATHING WITH 3x FLAT BLOCKING AT ALL EDGES.

NAIL ACCORDING TO SCHEDULE AND DRAWINGS.

PROTECT FLOOR AND ROOF SHEATHING FROM EXTREME WET CONDITIONS.

ENGINEERED WOOD PRODUCTS: CONFORM WITH ALL APPLICABLE PROVISIONS OF THE IBC.

MEMBER DESIGN CRITERIA: A. LIVE LOAD DEFLECTION: L/360 MAXIMUM

WOOD PRODUCT MANUFACTURER: TRUS JOIST CORPORATION, OR APPROVED.

TJI SERIES JOISTS: FURNISH ALL END AND INTERMEDIATE STIFFENERS, BLOCKING AND/OR SHEAR PANELS, METAL BRIDGING ASSEMBLIES AND HANGERS, AS REQUIRED TO PROVIDE A COMPLETE FLOOR OR

ROOF STRUCTURAL SYSTEM. TOP AND BOTTOM CHORDS OF TJI JOISTS SHALL BE MANUFACTURED FROM LVL MATERIAL AND SHALL BE EQUAL TO OR GREATER DIMENSION THAN THE TRUS JOIST SERIES INDICATED ON THE DRAWINGS. DEPTHS OF JOISTS OR JOIST SPACINGS MAY NOT BE CHANGED WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER OF RECORD.

CONCRETE WORK SHALL CONFORM TO ACI 301. CONCRETE STRENGTHS SHALL BE VERIFIED BY STANDARD 28-DAY CYLINDER TESTS PER ASTM C39, AND SHALL BE AS FOLLOWS: FOOTINGS & WALLS: F'c=3,000 PSI AT 28 DAYS (DESIGNED FOR 2,500 PSI); MAXIMUM SLUMP 4" PLUS OR MINUS 1".

CONCRETE REINFORCING STEEL: REINFORCING STEEL SHALL BE ASTM A 615, GRADE 60.

WELDED REINFORCEMENT SHALL BE ASTM A 705, GRADE 60.

WELDED METAL INSERTS AND CONNECTIONS SHALL CONFORM TO AWS D1.4

DETAIL, FABRICATE, AND PLACE REINFORCING IN ACCORDANCE WITH ACI 315, "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"

TYPICAL REINFORCING (MINIMUM, UNLESS NOTED OTHERWISE ON DRAWINGS)

CORNERS AND INTERSECTIONS OF WALLS AND FOUNDATIONS, PRE-CAST PANEL CORNERS:

CORNER BARS EQUAL IN SIZE AND NUMBER TO HORIZONTAL REINFORCING. LEG LENGTH: 48 BAR DIAMETERS (2' - 0" MINIMUM)

SLAB OPENINGS: (2) #5 X OPENING DIMENSION + 4' - 0" EACH SIDE.

(2) #5 X 4' - 0" DIAGONAL BARS AT EACH CORNER

DO NOT FIELD BEND, DISPLACE, WELD, HEAT, OR CUT REINFORCING UNLESS INDICATED ON THE DRAWINGS, OR APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

MINIMUM COVER FROM CONCRETE SURFACE TO REINFORCING SHALL BE AS FOLLOWS:

3" TO BOTTOM OF FOOTING

1 1/2" WALL REINFORCING TO SURFACES EXPOSED TO EARTH OR WEATHER

2" TO MAIN STEEL BEAMS AND COLUMNS

REINFORCING LAP SPLICES TO CONFORM WITH ACI 318-08 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"

ANCHORS IN CONCRETE: INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

INSTALL WITH IBC SPECIAL INSPECTION ACCORDING TO SPECIAL INSPECTION PROGRAM.

EXPANSION ANCHORS (CONCRETE): ICC/CBO-APPROVED - CONFORM WITH FF-5-325, GROUP II, TYPE 4, CLASS I

MATERIAL: HOT DIPPED GALVANIZED ACCORDING TO ASTM A 153, OR AISI 304 STAINLESS STEEL WHEN IN CONTACT WITH PRESSURE TREATED LUMBER OR EXPOSED TO WEATHER.

ACCEPTABLE ANCHORS: "KWIK-BOLT" BY HELIX FASTENING SYSTEMS, INC.

"STRONG-BOLT" BY SIMPSON STRONG-TIE COMPANY, INC.

"TITEN-HD" BY SIMPSON STRONG-TIE COMPANY, INC.

ADHESIVE ANCHORS (CONCRETE OR GROUTED MASONRY) ICC/CBO APPROVED

ANCHOR COMPONENTS: ALL-THREAD ROD, NUT, WASHER, AND ADHESIVE INJECTION GEL SYSTEM

ANCHOR RODS: RODS WITH ROLLED THREADS

ANCHOR ROD NUTS TO CONFORM WITH ASTM A 194

ROD MATERIAL TO BE ASTM A 36 HOT-DIPPED GALVANIZED OR AISI 304 STAINLESS STEEL

WHEN IN CONTACT W/ PRESSURE TREATED LUMBER OR EXPOSED TO WEATHER.

ACCEPTABLE ADHESIVE INJECTION GEL SYSTEMS:

"HIT-HY-150" BY HELIX FASTENING SYSTEMS, INC.

"SET" BY SIMPSON STRONG-TIE COMPANY, INC.

NON-SHRINK GROUT: CONFORM WITH ASTM C 1107 AND C.R.D.-621, CORPS OF ENGINEERS "SPECIFICATIONS FOR NON-SHRINK GROUT."

SPECIFIED 28-DAY COMPRESSIVE STRENGTH: 5,000 PSI.

FRAMING LUMBER: LUMBER SPECIES: DOUGLAS FIR-LARCH OR HEMLOCK-FIR, GRADE LUMBER ACCORDING TO RULES OF WEST COAST LUMBER INSPECTION BUREAU (WCLIB).

LUMBER GRADES: SIZE CLASSIFICATION GRADE

A. EXTERIOR WALL STUDS NO. 2

B. INTERIOR NON-BEARING WALL STUDS/STANDARD OR BETTER OR STUD GRADE

C. INTERIOR BEARING WALL STUDS NO. 2

D. JOISTS NO. 2

E. BEAMS NO. 1 (U.N.O.)

F. POSTS NO. 1

G. BLOCKING, PLATES, BRIDGING STANDARD OR BETTER OR STUD GRADE

MAXIMUM MOISTURE CONTENT: 19% AT 3X OR LESS (LEAST DIMENSIONS) MEMBERS & ALL INTERIOR

PROVIDE SOLID BLOCKING (SAME DEPTH OF MEMBER) AT ALL POINTS OF BEARING (MAXIMUM SPACING OF 6'-0" O/C) AT JOISTS WITH A 5:1 OR GREATER DEPTH-TO-THICKNESS RATIO OR WHERE 1 EDGE OF JOIST IS NOT ATTACHED TO SHEATHING, WALLBOARD, BRACING, ETC.

PLATES AND LEDGERS: PLATES AND LEDGERS USED IN INTERIOR CONDITIONS (LUMBER AND FASTENERS ARE INSIDE OR CONCEALED BY MOISTURE BARRIER, ROOFING, ETC.) AND IN CONTACT WITH CONCRETE OR MASONRY ARE TO BE SEPARATED FROM CONCRETE OR MASONRY BY USE OF A MOISTURE BARRIER MEMBRANE SUCH AS W.R. GRACE-VYCOR, 45-LB. ROOFING PAPER, OR SIMILAR. USE STANDARD OR NON-PRESSURE TREATED LUMBER.

PLATES AND LEDGERS USED FOR EXTERIOR CONDITIONS (EXPOSED TO EXTERIOR ENVIRONMENT IN ANY CIRCUMSTANCE) TO BE PRESSURE TREATED.

DOUBLE ALL JOISTS UNDER ALL PARALLEL PARTITIONS.

SEE SCHEDULE AND DRAWINGS FOR NAILING.

EXTERIOR LUMBER AND LUMBER IN CONTACT WITH CONCRETE

LEDGERS: PRESSURE TREATED HEM FIR #2 OR PRESSURE TREATED DOUG FIR #2 (SEE PLAN)

JOISTS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 (SEE PLAN)

BEAMS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 OR GLULAM AC/AC 20F-V12 (SEE PLAN)

WOOD IN DIRECT CONTACT WITH CONCRETE OR MASONRY TO BE PRESSURE TREATED OR SEPARATED WITH A SELF-ADHERING "VYCOR" OR EQUAL WATER BARRIER

PLYWOOD SHEATHING: PLYWOOD MATERIAL: GRADE: C-D, UNLESS NOTED OTHERWISE.

MANUFACTURED WITH EXTERIOR GLUE ACCORDING TO UNITED STATES PRODUCT STANDARD PS 1-96.

SHALL BEAR THE AMERICAN PLYWOOD ASSOCIATION (APA) TRADEMARK.

NAILS IN CONTACT WITH PRESSURE-TREATED LUMBER SHALL BE STAINLESS STEEL OR APPROVED.

SUBSTITUTION OF ORIENTED STRAND BOARD (OSB) FOR PLYWOOD IS ACCEPTABLE IF THE OSB CONFORMS WITH APA PERFORMANCE STANDARDS FOR WOOD BASED STRUCTURAL PANELS PRP-105 AND UNITED STATES PRODUCT STANDARD PS 2-92.

IS MANUFACTURED WITH EXTERIOR GLUE.

HAS A LOAD/SPAN RATING INDEX EQUAL TO PLYWOOD.

BEARS THE APA TRADEMARK.

PROVIDE PRESSURE-TREATED PLYWOOD WHERE INDICATED ON DRAWINGS. CONFORM WITH AWPA STANDARD C-9. MARK SHEETS WITH AWBP.

SHEATHING TYPES: ROOF SHEATHING 15/32" INDEX 32/16

WALLS 7/16" INDEX 24/16

PLYWOOD LAYOUT AND INSTALLATION: LAY OUT PLYWOOD SHEATHING WITH END JOINTS STAGGERED, UNLESS NOTED OTHERWISE.

LAY OUT PLYWOOD TO ELIMINATE WIDTHS LESS THAN 1'-0" AT ROOFS, OR LESS THAN 2'-0" AT FLOORS, UNLESS ALL EDGES OF UNDERSIZED PIECES ARE SUPPORTED BY BLOCKING.

PROVIDE PANEL SPACING ACCORDING TO APA RECOMMENDATIONS.

BLOCK SHEAR WALL SHEATHING WITH 3x FLAT BLOCKING AT ALL EDGES.

NAIL ACCORDING TO SCHEDULE AND DRAWINGS.

PROTECT FLOOR AND ROOF SHEATHING FROM EXTREME WET CONDITIONS.

ENGINEERED WOOD PRODUCTS: CONFORM WITH ALL APPLICABLE PROVISIONS OF THE IBC.

MEMBER DESIGN CRITERIA: A. LIVE LOAD DEFLECTION: L/360 MAXIMUM

WOOD PRODUCT MANUFACTURER: TRUS JOIST CORPORATION, OR APPROVED.

TJI SERIES JOISTS: FURNISH ALL END AND INTERMEDIATE STIFFENERS, BLOCKING AND/OR SHEAR PANELS, METAL BRIDGING ASSEMBLIES AND HANGERS, AS REQUIRED TO PROVIDE A COMPLETE FLOOR OR

ROOF STRUCTURAL SYSTEM. TOP AND BOTTOM CHORDS OF TJI JOISTS SHALL BE MANUFACTURED FROM LVL MATERIAL AND SHALL BE EQUAL TO OR GREATER DIMENSION THAN THE TRUS JOIST SERIES INDICATED ON THE DRAWINGS.

LEGEND - SYMBOLS

INDICATES SPOT FOOTING OR THICKENED SLAB; 'F# INDICATES FOOTING NUMBER PER SCHEDULE

TURNDOWN FOOTING

INDICATES CONCRETE STEM WALL WITH CONTINUOUS FOOTING

INTERIOR WALL

EXTERIOR WALL

INTERIOR BEARING WALL

EXTERIOR SHEAR WALL

INTERIOR SHEAR & BEARING WALL

BEAM CENTERLINE - 'B# INDICATES BEAM NUMBER PER SCHEDULE

JOIST CENTER LINE

INTERIOR UNMARKED HEADER, CENTERLINE

EXTERIOR UNMARKED HEADER, CENTERLINE

'X' INDICATES SPECIFIC STRAP AND LENGTH. STRAP TIE CENTERED ON SPICE POINT. STRAP LENGTH PROVIDED AT COIL STRAPS. FILL ALL NAIL HOLES W/ 16d NAILS.

GIRDER TRUSS

ROOF OUTLINE, VALLEY, RIDGE

WALL EDGE ABOVE

LEDGER

ROOF OVERFRAMING. 2x OR PRE-MANUFACTURED TRUSSES

POST BELOW FRAMING LEVEL, U.N.O.

(●) INDICATES HOLDOWN LOCATION. ATTACH HOLDOWN TO KING STUD EXCEPT THRU BOLT KING AND JACK AT 'HD' HOLDOWNS

(-) INDICATES STRAP LOCATION

GRID

SHEAR WALL DESIGNATION

HOLD-DOWN DESIGNATION

NORTH ARROW

SHEET INDEX

SO: GENERAL NOTES
 S1: SCHEDULES & STANDARD DETAILS
 S1.1: STANDARD DETAILS
 S2: FOUNDATION PLAN
 S3: MAIN FLOOR FRAMING PLAN
 S4: SECOND FLOOR FRAMING PLAN
 S5: ROOF FRAMING PLAN
 S6: DETAILS

ABBREVIATIONS

O/C = ON CENTER
 U.N.O. = UNLESS NOTED OTHERWISE
 TYP. = TYPICAL
 MIN. = MINIMUM
 MAX. = MAXIMUM
 CONT. = CONTINUOUS
 FTG. = FOOTING
 EA. = EACH
 P.T. = PRESSURE TREATED
 (N) = NEW
 (E) = EXISTING
 PERP. = PERPENDICULAR
 PARA. = PARALLEL
 GL = GULUM
 LVL = LAMINATED VENER LUMBER
 DF/HF = DOUG FIR/HFEM FIR
 AC = ALASKAN YELLOW CEDAR
 W/ = WITH
 HORIZ. = HORIZONTAL
 LONG. = LONGITUDINAL
 TRANSV. = TRANSVERSE
 MANF. = MANUFACTURED
 STD. = STANDARD
 CLR. = CLEAR
 G.T. = GIRDER TRUSS
 CONC. = CONCRETE
 HD = HOLDOWN
 PERF. = PERFORATED
 A.B. = ANCHOR BOLT
 PLY. = PLYWOOD
 EXP. = EXPANSION
 ARCH. = ARCHITECT/ARCHITECTURAL
 REINF. = REINFORCING /REINFORCEMENT

BLK'G = BLOCKING
 REQ'D = REQUIRED
 N.T.S. = NOT TO SCALE
 GA = GAUGE
 BM = BEAM

SHEAR WALL SCHEDULE

MARK	WALL SHEATHING, FASTENER	EDGE	FIELD	SOLE PLATE	BLOCKING/RIM JOIST	2"x10" A.B.	SEE NOTES:
AA	O.S.B. OR 1/2" PLY. UNBLK'D, 8d - 0.131"x2 1/2"	6" O/C	12" O/C	16d @ 8" O/C	A35 @ 32" O/C	48" O/C	3
A	O.S.B. OR 1/2" PLY. BLK'D, 8d - 0.131"x2 1/2"	6" O/C	12" O/C	16d @ 6" O/C	A35 @ 16" O/C	48" O/C	2,5
B	O.S.B. OR 1/2" PLY. BLK'D, 8d - 0.131"x2 1/2"	4" O/C	12" O/C	16d @ 4" O/C	A35 @ 16" O/C	32" O/C	2,5,6
C	O.S.B. OR 1/2" PLY. BLK'D, 8d - 0.131"x2 1/2"	3" O/C	12" O/C	16d @ 3" O/C	A35 @ 12" O/C	24" O/C	2,5,6
D	O.S.B. OR 1/2" PLY. BLK'D, 8d - 0.131"x2 1/2"	2" O/C	12" O/C	16d @ 2.5" O/C	A35 @ 8" O/C	18" O/C	1,2,5
E	O.S.B. OR 1/2" PLY. (2) FACES, BLK'D, 8d - 0.131"x2 1/2"	6" O/C	12" O/C	(2) ROWS 16d @ 6" O/C	A35 @ 8" O/C	24" O/C	2,5,6
F	O.S.B. OR 1/2" PLY. (2) FACES, BLK'D, 8d - 0.131"x2 1/2"	4" O/C	12" O/C	(2) ROWS 16d @ 4" O/C	A35 @ 6" O/C	16" O/C	2,4,5,6
G	O.S.B. OR 1/2" PLY. (2) FACES, BLK'D, 8d - 0.131"x2 1/2"	3" O/C	12" O/C	(2) ROWS 16d @ 3" O/C	A35 @ 6" O/C	12" O/C	2,4,5,6
H	O.S.B. OR 1/2" PLY. (2) FACES, BLK'D, 8d - 0.131"x2 1/2"	2" O/C	12" O/C	(2) ROWS 16d @ 2 1/2" O/C	LPT4 @ 8" O/C EA. SIDE	9" O/C	1,2,4,5
I	O.S.B. OR 1/2" PLY. BLK'D, 10d - 0.148"x3"	3" O/C	12" O/C	16d @ 2.5" O/C	A35 @ 8" O/C	12" O/C	2,5,6
J	GYP. UNBLK'D, 5d COOLER OR #6-1 1/2" SCREW	7" O/C	7" O/C	16d @ 8" O/C	16d TOENAIL @ 6" O/C	48" O/C	3
K	GYP. BLK'D, 6d COOLER OR #6-1 1/2" SCREW	7" O/C	7" O/C	16d @ 8" O/C	16d TOENAIL @ 6" O/C	48" O/C	3
L	GYP. BLK'D, 6d COOLER OR #6-1 1/2" SCREW	4" O/C	4" O/C	16d @ 8" O/C	16d TOENAIL @ 6" O/C	48" O/C	3
M	GYP. (2) SIDES, UNBLK'D, 5d COOLER OR #6-1 1/2" SCREW	7" O/C	7" O/C	16d @ 8" O/C	16d TOENAIL @ 6" O/C	48" O/C	3
N	GYP. (2) SIDES, UNBLK'D, 5d COOLER OR #6-1 1/2" SCREW	7" O/C	7" O/C	16d @ 8" O/C	A35 @ 32" O/C	48" O/C	3
O	GYP. (2) SIDES, BLK'D, 6d COOLER OR #6-1 1/2" SCREW	7" O/C	7" O/C	16d @ 6" O/C	A35 @ 32" O/C	48" O/C	3
P	GYP. (2) SIDES, BLK'D, 6d COOLER OR #6-1 1/2" SCREW	4" O/C	4" O/C	16d @ 6" O/C	A35 @ 16" O/C	32" O/C	3

PERF. SPECIFIED SHEARWALL CONSTRUCTION ALSO APPLIES ABOVE AND BELOW ALL OPENINGS BETWEEN THE FIRST AND LAST HATCHED WALL SEGMENTS
 F.T. SPECIFIED SHEARWALL CONSTRUCTION APPLIES TO HATCHED WALL SEGMENT BESIDE OPENING, FOR THE FULL HEIGHT OF THE OPENING.

GENERAL NOTES:

- SOLE PLATES ARE TO BE 2x MIN. THICKNESS.
- PANELS SHALL BE BACKED W/ 2x OR WIDER FRAMING.
- HOT DIPPED OR TUMBLED GALVANIZED NAILS ONLY, BOX NAILS MAY BE USED FOR PANELS, COMMON NAILS ONLY ELSEWHERE

FRAMING SPECIFIC NOTES:

- FRAMING AT ADJOINING PANEL EDGES SHALL BE 3x OR WIDER AND PANEL EDGE NAILING SHALL BE STAGGERED.
- MAXIMUM STUD SPACING FOR SHEARWALL IS 16" O/C
- MAXIMUM STUD SPACING FOR SHEARWALL IS 16" O/C
- MIN. .229x3x3" STEEL PLATE WASHERS REQ'D @ EACH ANCHOR BOLT
- FRAMING AT ADJOINING PANEL EDGES SHALL BE 3x OR WIDER AND PANEL EDGE NAILING SHALL BE STAGGERED, UNLESS SDC IS NOTED AS A, B, OR C UNDER PROJECT DESIGN CRITERIA IN THE GENERAL NOTES

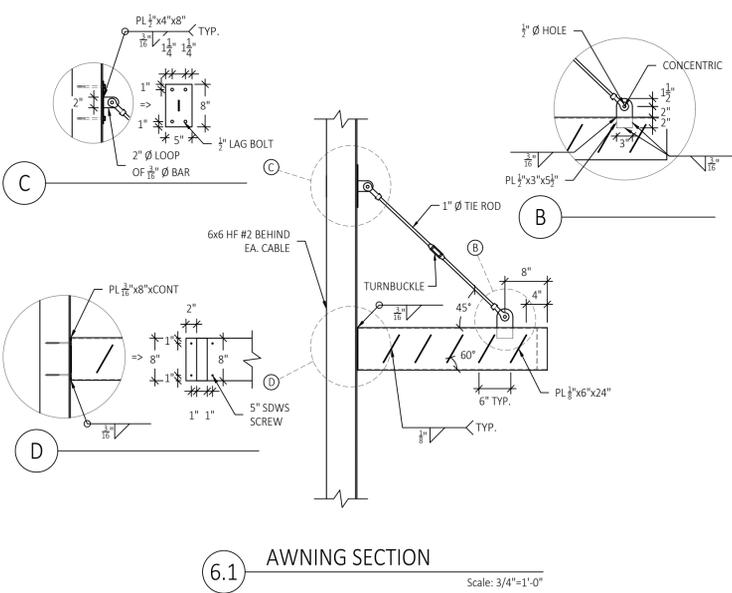
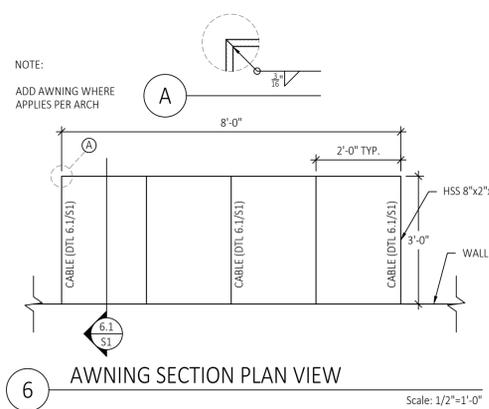
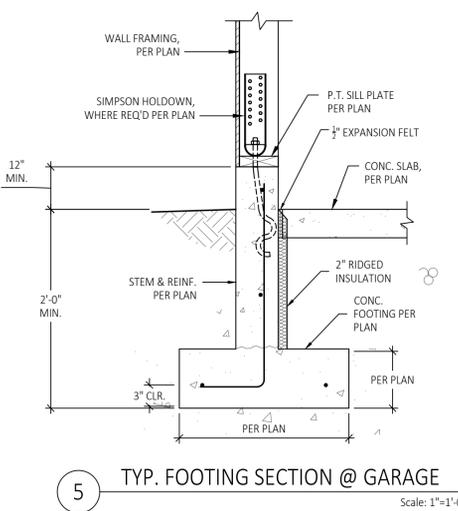
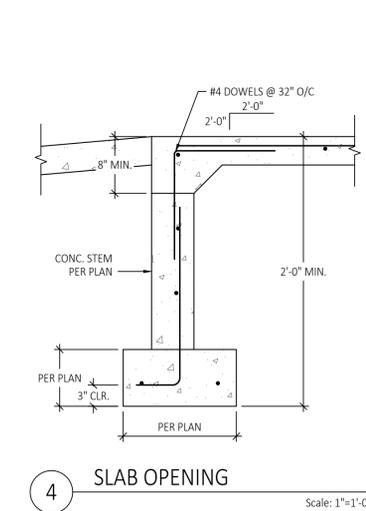
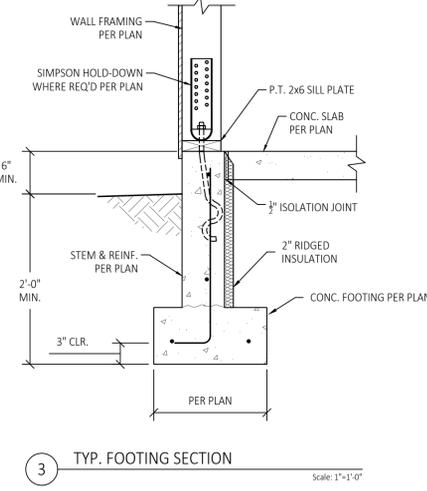
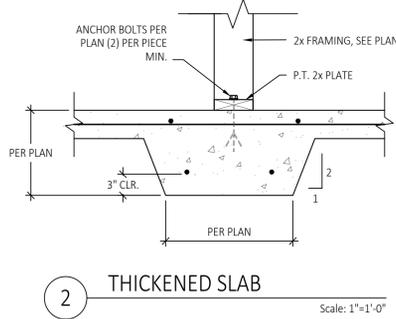
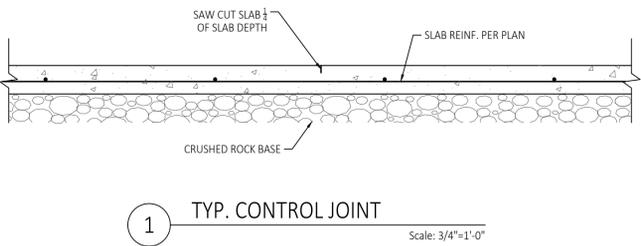
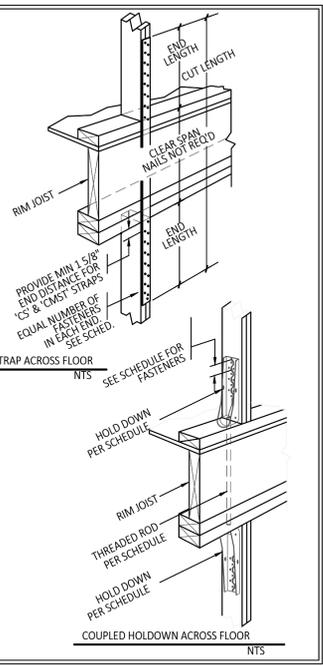
HOLDOWN SCHEDULE

MARK	HD, ANCHOR	HD STUD	FASTENERS, NOTES
0	NOT REQ'D	N/A	N/A
1	'HDU2' W/ 'SSTB16' (6"Ø)	(2) 2x	6'-SDS 1/2"Øx2 1/2" SCREWS
2	'HDU4' W/ 'SSTB16' (6"Ø)	(2) 2x	10'-SDS 1/2"Øx2 1/2" SCREWS
3	'HDU4' W/ 'SSTB20' (6"Ø)	(2) 2x	10'-SDS 1/2"Øx2 1/2" SCREWS
4	'HDU5' W/ 'SSTB24' (6"Ø)	(2) 2x	14'-SDS 1/2"Øx2 1/2" SCREWS
5	'HDU8' W/ 'SSTB28' (6"Ø)	(2) 2x	20'-SDS 1/2"Øx2 1/2" SCREWS
6	'HDU8' W/ 'SSTB28' (6"Ø)	(3) 2x	20'-SDS 1/2"Øx2 1/2" SCREWS
7	'HDU11' W/ 'SB1x30' (1"Ø)	6x OR (4) 2x	30'-SDS 1/2"Øx2 1/2" SCREWS
8	'HDU11' W/ 'SB1x30' (1"Ø)	8x OR (5) 2x	30'-SDS 1/2"Øx2 1/2" SCREWS
9	'HDU14' W/ 'PAB8' (1 1/2"Ø) OR ALTERNATE PER NOTE 8	6x OR (4) 2x	36'-SDS 1/2"Øx2 1/2" SCREWS 1 1/2" EMBED. W/ 1 1/2" COVER HORIZ. ALL SIDES
10	'HD19' W/ 'PAB9' (1 1/2"Ø) OR ALTERNATE PER NOTE 8	6x OR (4) 2x	5-1" A307 BOLTS 12 1/2" EMBED. W/ 19" COVER HORIZ. ALL SIDES
11	'MSTC28'	(2) 2x	16-16d - 0.148"x3 1/2"
12	'MSTC40'	(2) 2x	32-16d - 0.148"x3 1/2"
13	'MSTC52'	(2) 2x	48-16d - 0.148"x3 1/2"
14	'MSTC66'	(2) 2x	68-16d - 0.148"x3 1/2"

CP1'D COUPLE HOLDOWNS ACROSS FLOOR, GRADE A36 THD'D ROD OF SAME Ø IN LIEU OF ANCHOR

NOTES:

- HOLDOWN MARKS ON PLAN APPLY THE BASE OF FRAMED WALLS ON THAT PLAN, OR TO TOP OF CONC. U.N.O.
- PANELS FROM INTERSECTING SHEAR WALLS SHALL BE EDGE NAILED TO ALL HOLDOWN MEMBERS TO SHARE CORNER HOLDOWNS. THE LARGER OF THE HOLDOWNS SPECIFIED SHALL BE USED, U.N.O.
- EDGE NAIL SHEATHING TO THE FOUNDATION MAUD-SILL PLATE
- HOLDOWNS OCCUR AT EACH END OF EACH SHEARWALL SEGMENT
- HOLDOWN LOCATION AS SHOWN ON THE PLAN SUPERCEDES NOTE #4
- PANEL EDGE NAILING SHALL BE EVENLY DISTRIBUTED AMONG MEMBERS IN HOLDOWN STUDS, WHICH SHALL BE LAMINATED TOGETHER WITH 12d @ 6" O/C U.N.O.
- GRADE A36 THD'D ROD OF SAME Ø MAY BE USED IN LIEU OF 'PAB'. A 1/2"x2 1/2"x3 1/2" PL WASHER SHALL BE INSTALLED AT THE BASE, NUTTED BOTH SIDES WITH A HEAVY HEX NUT AT THE BOTTOM SIDE



bcengineers
 STRUCTURAL-FORENSIC

11917 N. WARREN ST., HAYDEN, ID. 83835
 PHONE: 208-772-8424

These documents are property of BC Engineers Inc. It is prohibited and unlawful to reproduce any part of these documents without written permission of BC Engineers Inc. and is subject to criminal prosecution.

Revisions:

PROFESSIONAL ENGINEER
19248
 STATE OF IDAHO
 ELIAS B. APODACA
 01/15/2024

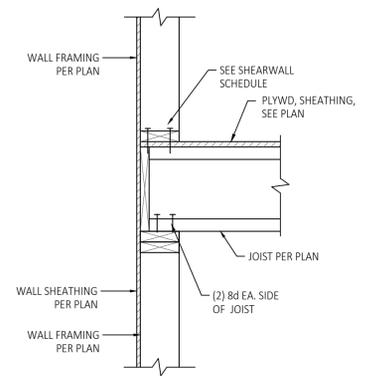
Project: **95 PROJECT**
 9878 N KIRKPATRICK ST.
 HAYDEN, ID 83835

Sheet Content: **SCHEDULES & STANDARD DETAILS**

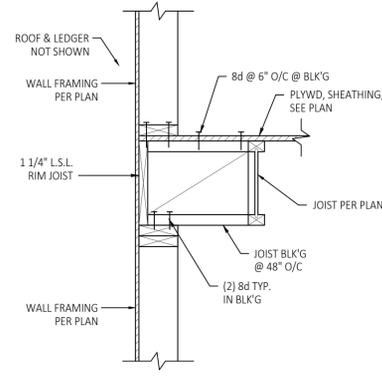
Drafter: **GA** Engineer: **BJ** Job No.: **230429.01**

Stamped by: **EA** Sheet: **S1** OF **9**

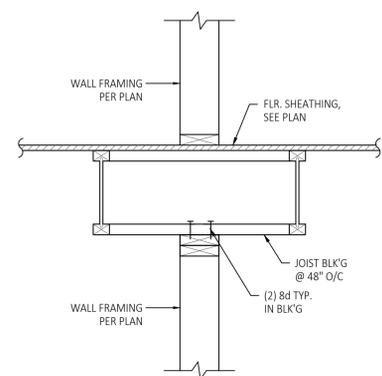
Date: **01/11/2024**



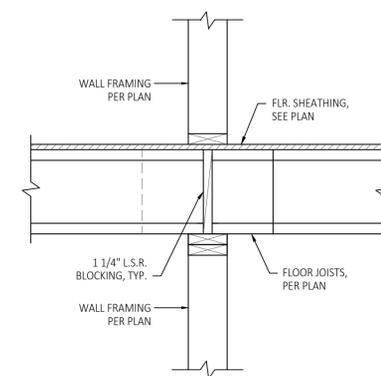
1 FLOOR SECTION (PERP) Scale: 1"=1'-0"



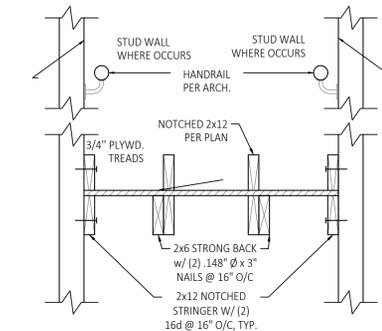
2 FLOOR SECTION (PARA) Scale: 1"=1'-0"



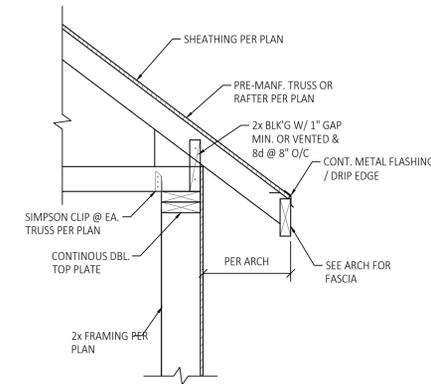
3 NON-BEARING WALL SECTION Scale: 1"=1'-0"



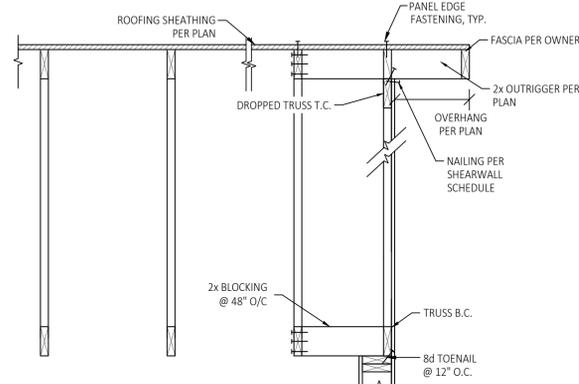
4 BEARING WALL SECTION Scale: 1"=1'-0"



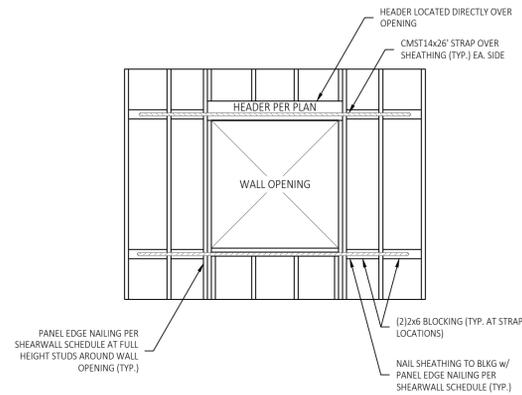
5 STAIR SECTION Scale: 1"=1'-0"



6 EAVE SECTION (TRUSSES) Scale: 1"=1'-0"



7 GABLE END SECTION Scale: 3/4"=1'-0"



8 FORCE TRANSFER AROUND OPENING Scale: 3/8"=1'-0"



11917 N. WARREN ST., HAYDEN, ID. 83835
PHONE: 208-772-8424

These documents are property of BC Engineers Inc. It is prohibited and unlawful to reproduce any part of these documents without written permission of BC Engineers Inc. and is subject to criminal prosecution.



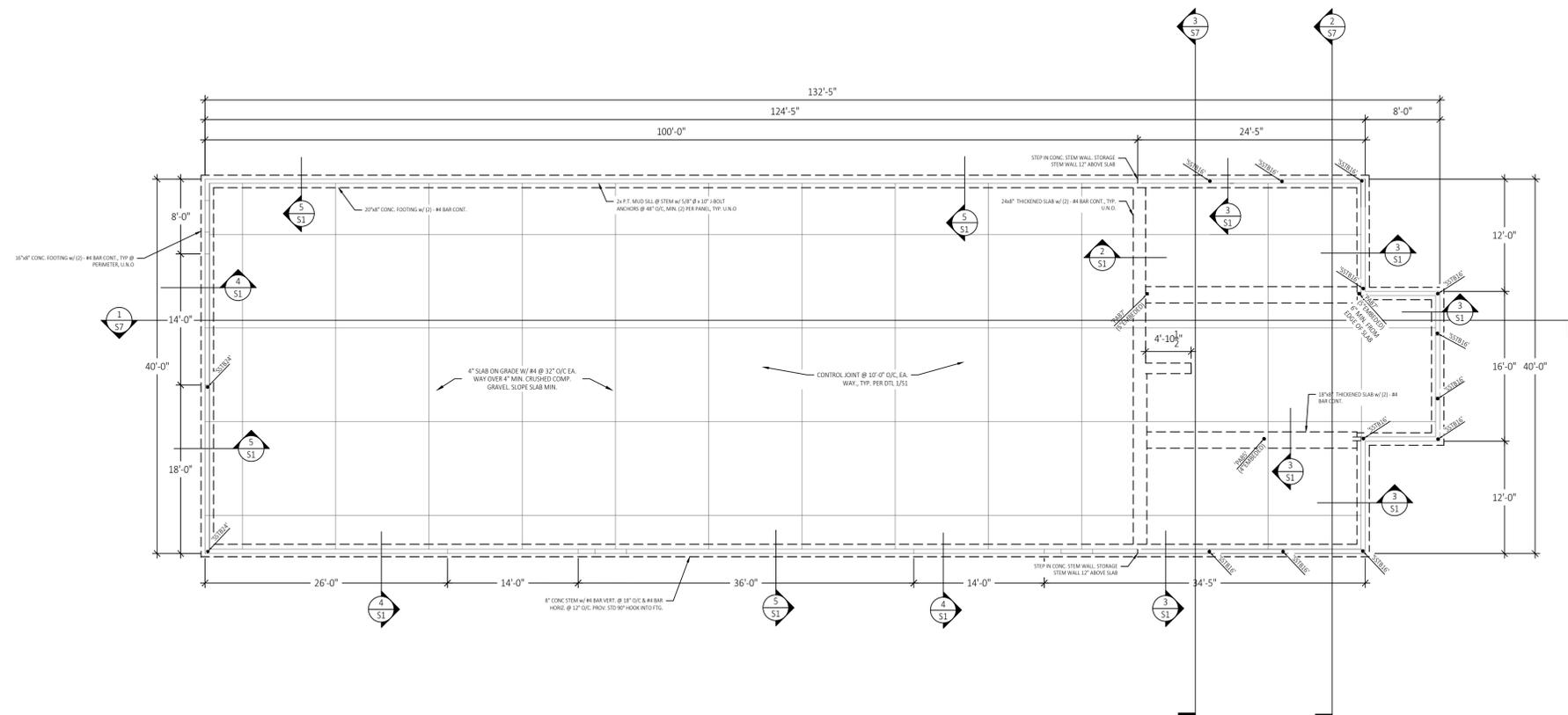
Revisions:

Project: 95 PROJECT
9878 N KIRKPATRICK ST.
HAYDEN, ID 83835

Sheet Content: STANDARD DETAILS

Drafter: GA Engineer: BJ Job No.: 230429.01

Stamped by: EA Date: 01/11/2024 Sheet: S1.1 OF 9



1 FOUNDATION PLAN Scale: 1/8"=1'-0"

FOOTING SCHEDULE	
F1	30" x 30" x 8" W/ (3) #4 BARS EA. WAY
F2	20" x 30" THICKENED SLAB W/ (2) #4 CONT. BARS
F3	16" x 12" THICKENED SLAB W/ (2) #4 CONT. BARS

- * ANY VERTICAL BARS WET SET INTO FOOTING, CONTINUOUS SPECIAL INSPECTION REQUIRED
- * ANY EPOXY INSTALLED BAR OR ANCHOR, CONTINUOUS SPECIAL INSPECTION REQUIRED

● = HOLD-DOWN PER SCHEDULE, SEE INSTALLATION REQUIREMENTS ON S1

FOUNDATION NOTES:

- CONTRACTOR TO VERIFY ALL DIMENSIONS W/ ARCH. PRIOR TO POUR. ANY DIMENSIONS ARE PROVIDED FOR CONVENIENCE ONLY
- PROVIDE P.T. 2x6 SILL PLATE @ FND. PERIMETER, FASTENED W/ 3"x10" A.B. @ 48" O/C MAX. REFER TO SHEAR AND HOLD-DOWN SCHEDULE ON SHEET S1 FOR OTHER SPACINGS.



11917 N. WARREN ST., HAYDEN, ID. 83835
PHONE: 208-772-8424

These documents are property of BC Engineers Inc. It is prohibited and unlawful to reproduce any part of these documents without written permission of BC Engineers Inc. and is subject to criminal prosecution.



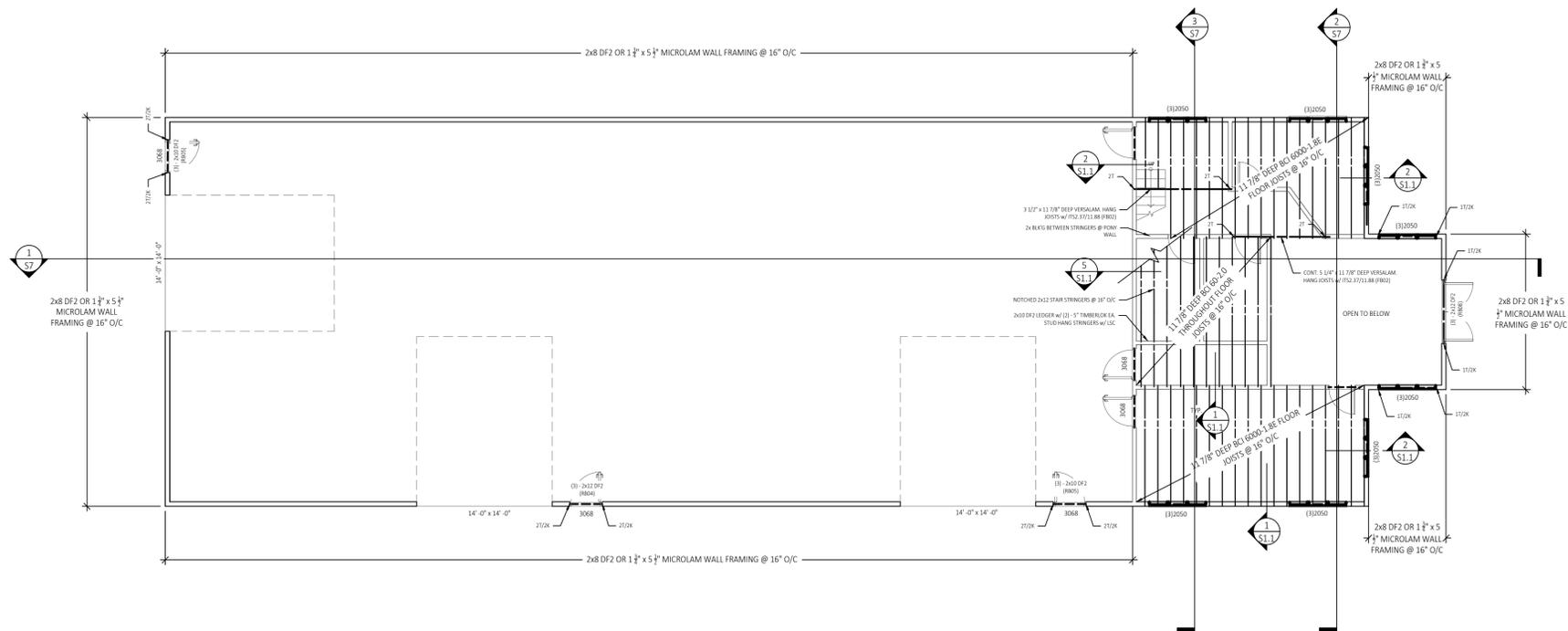
Revisions:

Project: 95 PROJECT
9878 N KIRKPATRICK ST.
HAYDEN, ID 83835

Sheet Content: FOUNDATION PLAN

Drafter: GA	Engineer: BJ	Job No.: 230429.01
Stamped by: EA	Date: 01/11/2024	Sheet: S2 OF 9

NOTE:
 ANY AND ALL CANOPY ROOFS OVER WINDOWS/DOORS TO BE PRE-MANUF.
 BY OTHER. (3) - 2x STUD TRIM PACK AT ALL DIAGONAL CONNECTION POINTS
 AT THE WALL



- #T/#K = # OF STUD TRIM / # OF KING STUDS
- = TYP. @ ALL EXTERIOR WALLS U.N.O.
 - = ROOF OVER FRAMING PER PLAN
 - = SHEAR WALL PER PLAN, SEE SCHEDULE ON S1
 - = STRAP PER PLAN, SEE SCHEDULE ON S1
 - = HOLD-DOWN PER PER PLAN, SEE SCHEDULE ON S1

FRAMING NOTES:

1. CONTRACTOR TO VERIFY ALL DIMENSIONS W/ ARCH. PRIOR TO POUR. ANY DIMENSIONS ARE PROVIDED FOR CONVENIENCE ONLY
2. PROVIDE P.T. 2x6 SILL PLATE @ FND. PERIMETER, FASTENED W/ $\frac{3}{4}$ "x10" A.B. @ 48" O/C MAX. REFER TO SHEAR AND HOLDDOWN SCHEDULE ON SHEET S1 FOR OTHER SPACINGS
3. TYPICAL WALL STUDS: EXTERIOR 2x6 @ 16" O/C U.N.O.
 INTERIOR 2x4 @ 24" O/C U.N.O.
4. FLOOR SHEATHING: $\frac{3}{4}$ " PLYWOOD T&G FLOOR SHEATHING GLUED AND SCREWED W/ #8 x 3" WOOD SCREWS @ 6" O/C EDGE & 12" O/C FIELD
5. ALL EXTERIOR/UNMARKED HEADERS TO BE (2) 2x10 DF #2 W/ (1) 2x6 TRIMMER AND (1) 2x6 KING STUD, U.N.O.
6. EXTERIOR LUMBER AND LUMBER IN CONTACT WITH CONCRETE LEDGERS: PRESSURE TREATED HEM FIR #2 OR PRESSURE TREATED DOUG FIR #2 (SEE PLAN)
 JOISTS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 (SEE PLAN)
 BEAMS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 OR GLULAM AC/AC 20F-V12 (SEE PLAN)
7. ROOF SHEATHING: $\frac{1}{2}$ " OSB #2 APA SPAN RATED NAILED W/ .131" \emptyset x 2 $\frac{1}{2}$ " NAILS @ 6" O/C, ALL SUPPORTED PANEL EDGES, 12" O/C FIELD, TYP.



11917 N. WARREN ST., HAYDEN, ID. 83835
 PHONE: 208-772-8424

These documents are property of BC Engineers Inc. It is prohibited and unlawful to reproduce any part of these documents without written permission of BC Engineers Inc. and is subject to criminal prosecution.



Revisions:

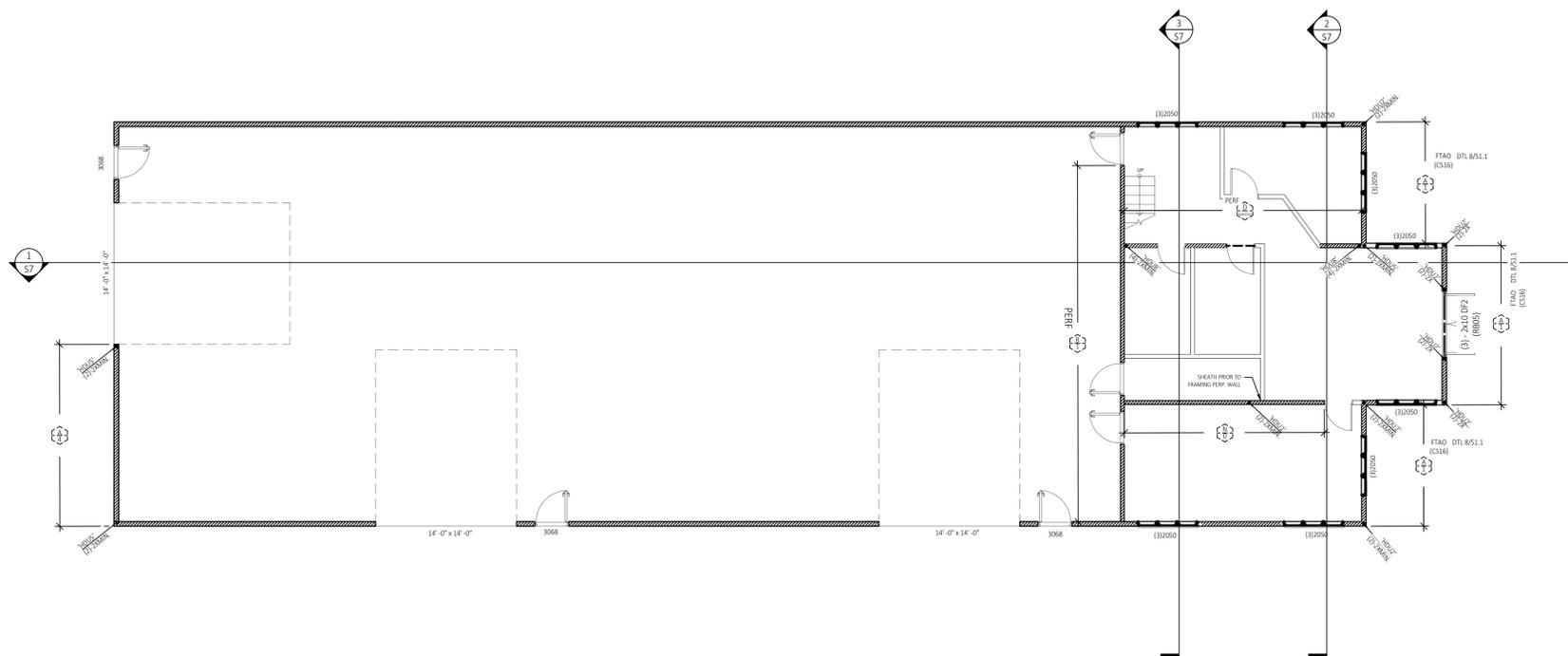
Project: **95 PROJECT**
 9878 N KIRKPATRICK ST.
 HAYDEN, ID 83835

Sheet Content: **UPPER FLOOR FRAMING PLAN**

Drafter: GA Engineer: BJ Job No.: 230429.01

Stamped by: EA Sheet: **S3**

Date: 01/11/2024 OF 9



#T/#K = # OF STUD TRIM / # OF KING STUDS

= TYP. @ ALL EXTERIOR WALLS U.N.O.
 = ROOF OVER FRAMING PER PLAN
 = SHEAR WALL PER PLAN, SEE SCHEDULE ON S1
 = STRAP PER PLAN, SEE SCHEDULE ON S1
 = HOLD-DOWN PER PLAN, SEE SCHEDULE ON S1

- FRAMING NOTES:**
- CONTRACTOR TO VERIFY ALL DIMENSIONS W/ ARCH. PRIOR TO POUR. ANY DIMENSIONS ARE PROVIDED FOR CONVENIENCE ONLY
 - PROVIDE P.T. 2x6 SILL PLATE @ FND. PERIMETER, FASTENED W/ $\frac{3}{4}$ "x10" A.B. @ 48" O/C MAX. REFER TO SHEAR AND HOLDDOWN SCHEDULE ON SHEET S1 FOR OTHER SPACINGS.
 - TYPICAL WALL STUDS: EXTERIOR 2x6 @ 16" O/C U.N.O.
INTERIOR 2x4 @ 24" O/C U.N.O.
 - FLOOR SHEATHING: $\frac{3}{4}$ " PLYWOOD T&G FLOOR SHEATHING GLUED AND NAILED W/ 8d NAILS @ 6" O/C, ALL SUPPORTED PANEL EDGES, 12" O/C FIELD, TYP.
 - ALL EXTERIOR/UNMARKED HEADERS TO BE (2) 2x10 DF #2 W/ (1) 2x6 TRIMMER AND (1) 2x6 KING STUD, U.N.O.
 - EXTERIOR LUMBER AND LUMBER IN CONTACT WITH CONCRETE
LEDGERS: PRESSURE TREATED HEM FIR #2 OR PRESSURE TREATED DOUG FIR #2 (SEE PLAN)
JOISTS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 (SEE PLAN)
BEAMS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 OR GLULAM AC/AC 20F-V12 (SEE PLAN)
 - ROOF SHEATHING: $\frac{1}{2}$ " OSB APA SPAN RATED NAILED W/ .131" ϕ X 2 $\frac{3}{4}$ " NAILS @ 6" O/C, ALL SUPPORTED PANEL EDGES, 12" O/C FIELD, TYP.

STRUCTURAL-FORENSIC

11917 N. WARREN ST., HAYDEN, ID. 83835
PHONE: 208-772-8424

These documents are property of BC Engineers Inc. It is prohibited and unlawful to reproduce any part of these documents without written permission of BC Engineers Inc. and is subject to criminal prosecution.

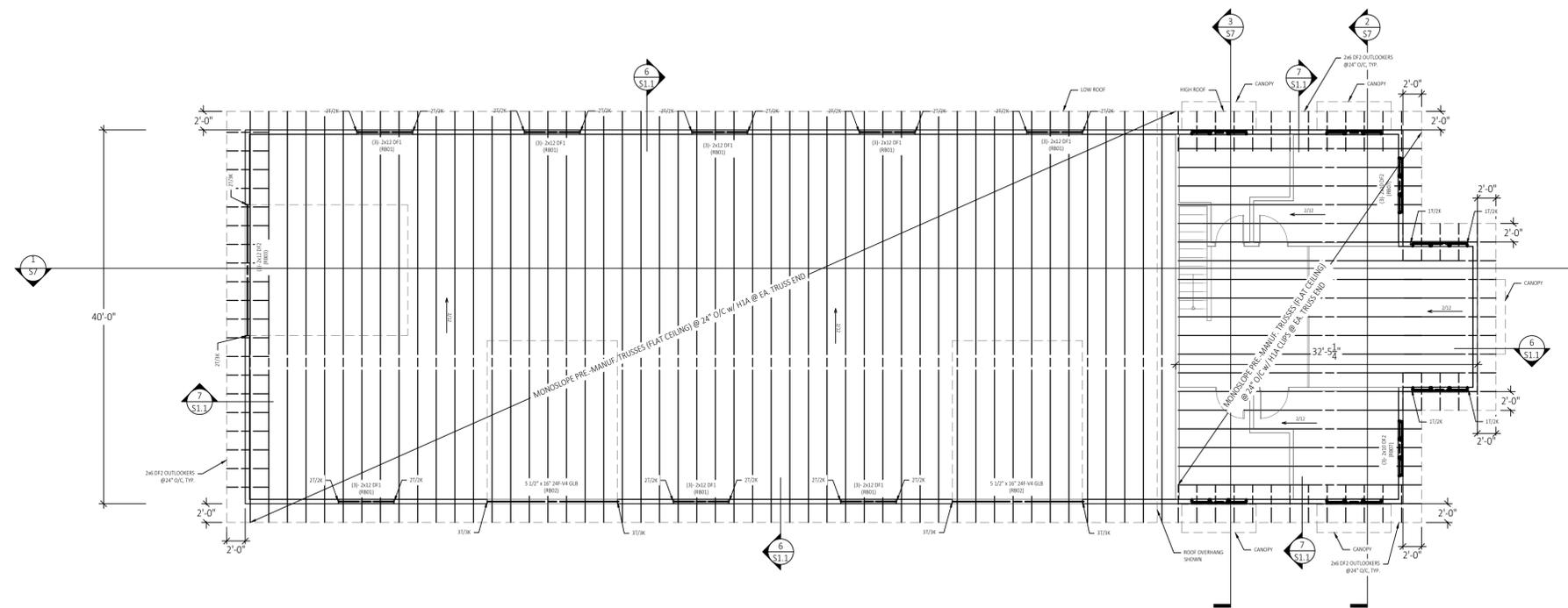
Revisions:

Project: **95 PROJECT**
9878 N KIRKPATRICK ST.
HAYDEN, ID 83835

Sheet Content: **MAIN FLOOR BRACING PLAN**

Drafter: GA Engineer: BJ Job No.: 230429.01

Stamped by: EA Sheet: **S4**
Date: 01/11/2024 OF 9



- #T/#K = # OF STUD TRIM / # OF KING STUDS
- = TYP. @ ALL EXTERIOR WALLS U.N.O.
 - = ROOF OVER FRAMING PER PLAN
 - = SHEAR WALL PER PLAN, SEE SCHEDULE ON S1
 - = STRAP PER PLAN, SEE SCHEDULE ON S1
 - = HOLD-DOWN PER PLAN, SEE SCHEDULE ON S1

- FRAMING NOTES:**
- CONTRACTOR TO VERIFY ALL DIMENSIONS W/ ARCH. PRIOR TO POUR. ANY DIMENSIONS ARE PROVIDED FOR CONVENIENCE ONLY
 - PROVIDE P.T. 2x6 SILL PLATE @ FND. PERIMETER, FASTENED W/ #8x10" A.B. @ 48" O/C MAX. REFER TO SHEAR AND HOLD-DOWN SCHEDULE ON SHEET S1 FOR OTHER SPACINGS
 - TYPICAL WALL STUDS: EXTERIOR 2x6 @ 16" O/C U.N.O. INTERIOR 2x4 @ 24" O/C U.N.O.
 - FLOOR SHEATHING: 3/4" PLYWOOD T&G FLOOR SHEATHING GLUED AND SCREWED W/ #8x3" WOOD SCREWS @ 6" O/C EDGE & 12" O/C FIELD. ALL EXTERIOR/UNMARKED HEADERS TO BE (2) 2x10 DF #2 W/ (1) 2x6 TRIMMER AND (1) 2x6 KING STUD, U.N.O.
 - EXTERIOR LUMBER AND LUMBER IN CONTACT WITH CONCRETE LEDGERS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 (SEE PLAN)
JOISTS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 (SEE PLAN)
BEAMS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 OR GLULAM AC/AC 20F-V12 (SEE PLAN)
 - ROOF SHEATHING: 3/4" CDX PLYWOOD APA SPAN RATED NAILED W/ .131" Ø x 2 1/2" NAILS @ 6" O/C, ALL SUPPORTED PANEL EDGES, 12" O/C FIELD, TYP.



11917 N. WARREN ST., HAYDEN, ID. 83835
PHONE: 208-772-8424

These documents are property of BC Engineers Inc. It is prohibited and unlawful to reproduce any part of these documents without written permission of BC Engineers Inc. and is subject to criminal prosecution.

	Revisions:

Project: **95 PROJECT**
9878 N KIRKPATRICK ST.
HAYDEN, ID 83835

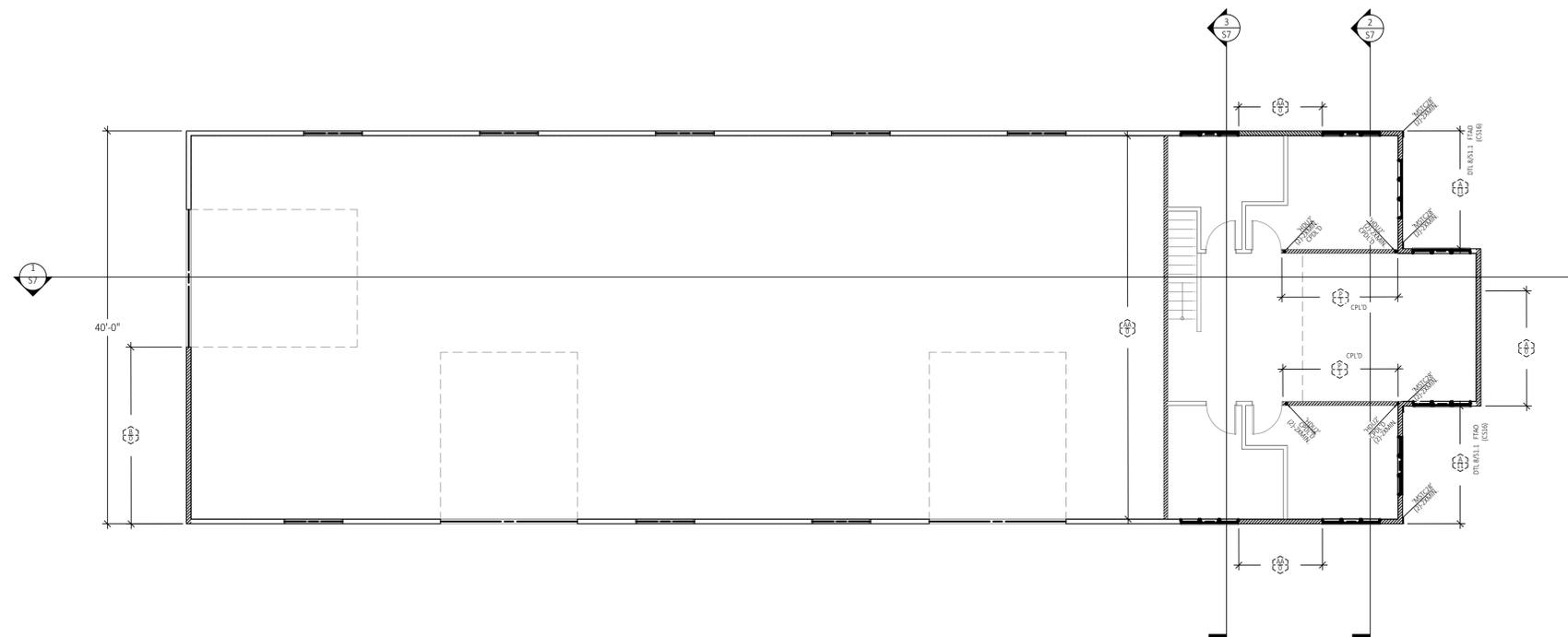
Sheet Content: **ROOF FRAMING PLAN**

Drafter: GA	Engineer: BJ	Job No.: 230429.01
-------------	--------------	--------------------

Stamped by: EA	Date: 01/11/2024	Sheet: S5 OF 9
----------------	------------------	-----------------------

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

NOTE:
2x6 DF2 OUTLOOKERS @ 24" O/C



BEAM SCHEDULE	
B1	GL 6 ³ / ₈ "x21" 20F-V12 AC/AC
B2	GL 5 ¹ / ₂ "x18" 20F-V12 AC/AC (DECORATIVE)
B3	GL 3 ¹ / ₂ "x10 ³ / ₄ "
B4	GL 3 ¹ / ₂ "x12"

* ALL BEAMS DF #2 U.N.O.
 * EXTERIOR LUMBER AND LUMBER IN CONTACT WITH CONCRETE
 LEDGERS: PRESSURE TREATED HEM FIR #2 OR PRESSURE TREATED DOUG FIR #2 (SEE PLAN)
 JOISTS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 (SEE PLAN)
 BEAMS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 OR GLULAM AC/AC 20F-V12 (SEE PLAN)

COLUMN SCHEDULE	
C1	6x6 DF #2

* ALL COLUMNS DF #2 U.N.O.

#T/#K = # OF STUD TRIM / # OF KING STUDS

- = TYP. @ ALL EXTERIOR WALLS U.N.O.
- = ROOF OVER FRAMING PER PLAN
- = SHEAR WALL PER PLAN, SEE SCHEDULE ON S1
- = STRAP PER PLAN, SEE SCHEDULE ON S1
- = HOLD-DOWN PER PLAN, SEE SCHEDULE ON S1

FRAMING NOTES:

1. CONTRACTOR TO VERIFY ALL DIMENSIONS W/ ARCH. PRIOR TO POUR. ANY DIMENSIONS ARE PROVIDED FOR CONVENIENCE ONLY
2. PROVIDE P.T. 2x6 SILL PLATE @ FND. PERIMETER, FASTENED W/ 2"x10" A.B. @ 48" O/C MAX. REFER TO SHEAR AND HOLD-DOWN SCHEDULE ON SHEET S1 FOR OTHER SPACINGS
3. TYPICAL WALL STUDS: EXTERIOR 2x6 @ 16" O/C U.N.O. INTERIOR 2x4 @ 24" O/C U.N.O.
4. FLOOR SHEATHING: 3/4" PLYWOOD T&G FLOOR SHEATHING GLUED AND SCREWED W/ #8 X3" WOOD SCREWS @ 6" O/C EDGE & 12" O/C FIELD. ALL EXTERIOR/UNMARKED HEADERS TO BE (2) 2x10 DF #2 W/ (1) 2x6 TRIMMER AND (1) 2x6 KING STUD, U.N.O.
6. EXTERIOR LUMBER AND LUMBER IN CONTACT WITH CONCRETE
 LEDGERS: PRESSURE TREATED HEM FIR #2 OR PRESSURE TREATED DOUG FIR #2 (SEE PLAN)
 JOISTS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 (SEE PLAN)
 BEAMS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 OR GLULAM AC/AC 20F-V12 (SEE PLAN)
6. ROOF SHEATHING: 1/2" OSB APA SPAN RATED NAILED W/ .131" Ø X 2 1/2" NAILS @ 6" O/C, ALL SUPPORTED PANEL EDGES, 12" O/C FIELD, TYP.

11917 N. WARREN ST., HAYDEN, ID. 83835
 PHONE: 208-772-8424

These documents are property of BC Engineers Inc. It is prohibited and unlawful to reproduce any part of these documents without written permission of BC Engineers Inc. and is subject to criminal prosecution.

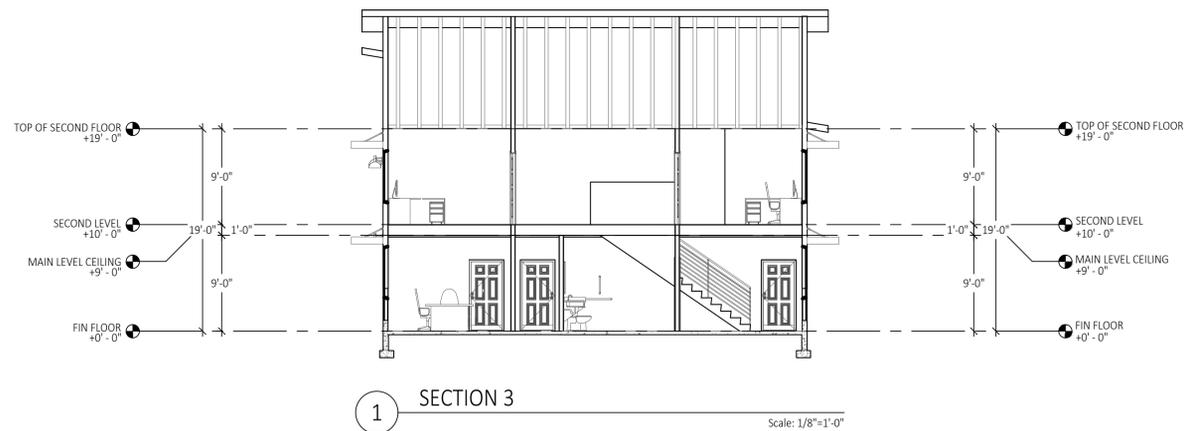
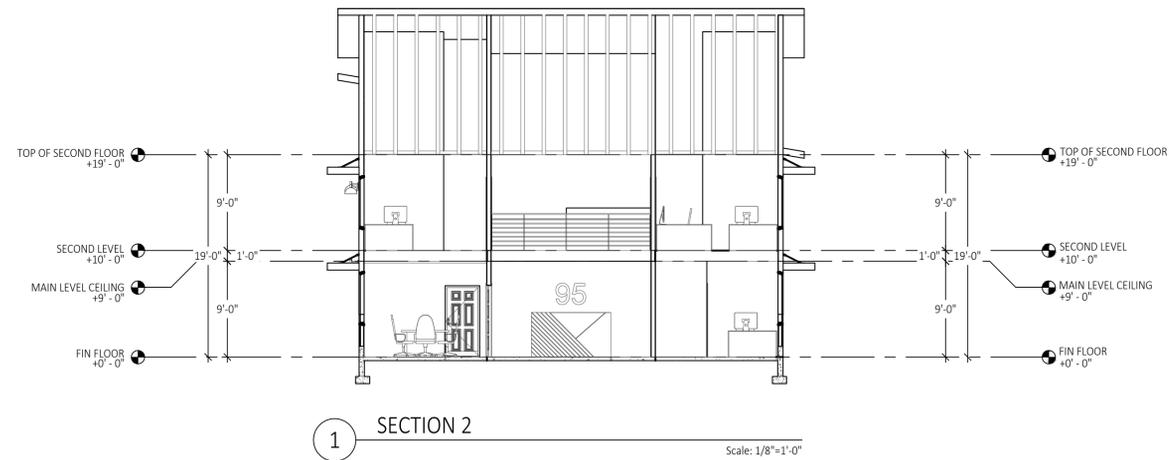
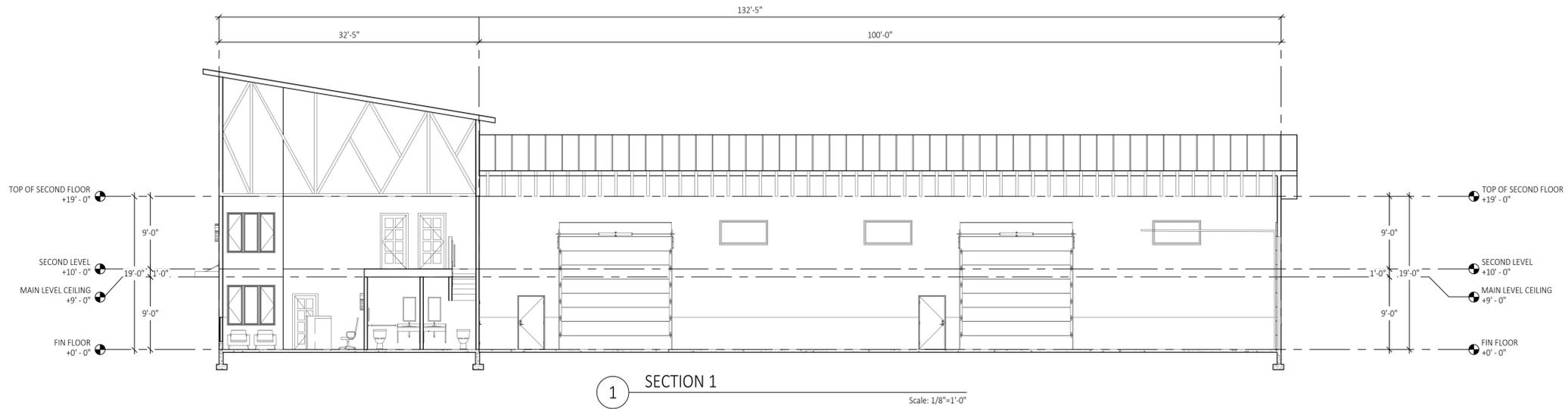
	Revisions:

Project: **95 PROJECT**
 9878 N KIRKPATRICK ST.
 HAYDEN, ID 83835

Sheet Content: **UPPER FLOOR BRACING PLAN**

Drafter: GA	Engineer: BJ	Job No.: 230429.01
Stamped by: EA	Date: 01/11/2024	Sheet: S6 OF 9

1 UPPER FLOOR BRACING PLAN Scale: 1/8"=1'-0"



BEAM SCHEDULE	
B1	GL 6" x 21" 20F-V12 AC/AC
B2	GL 5 1/2" x 18" 20F-V12 AC/AC (DECORATIVE)
B3	GL 3 1/2" x 10 1/2"
B4	GL 3 1/2" x 12"

* ALL BEAMS DF #2 U.N.O.
 * EXTERIOR LUMBER AND LUMBER IN CONTACT WITH CONCRETE LEDGERS: PRESSURE TREATED HEM FIR #2 OR PRESSURE TREATED DOUG FIR #2 (SEE PLAN)
 JOISTS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 (SEE PLAN)
 BEAMS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 OR GLULAM AC/AC 20F-V12 (SEE PLAN)

COLUMN SCHEDULE	
C1	6x6 DF #2

* ALL COLUMNS DF #2 U.N.O.

FRAMING NOTES:

- CONTRACTOR TO VERIFY ALL DIMENSIONS W/ ARCH. PRIOR TO POUR. ANY DIMENSIONS ARE PROVIDED FOR CONVENIENCE ONLY
- PROVIDE P.T. 2x6 SILL PLATE @ FND. PERIMETER, FASTENED W/ 2"x10" A.B. @ 48" O/C MAX. REFER TO SHEAR AND HOLDDOWN SCHEDULE ON SHEET S1 FOR OTHER SPACINGS
- TYPICAL WALL STUDS: EXTERIOR 2x6 @ 16" O/C U.N.O. INTERIOR 2x4 @ 24" O/C U.N.O.
- FLOOR SHEATHING: 3/4" PLYWOOD T&G FLOOR SHEATHING GLUED AND NAILED W/ 8d NAILS @ 6" O/C, ALL SUPPORTED PANEL EDGES, 12" O/C FIELD, TYP.
- ALL EXTERIOR/UNMARKED HEADERS TO BE (2) 2x10 DF #2 W/ (1) 2x6 TRIMMER AND (1) 2x6 KING STUD, U.N.O.
- EXTERIOR LUMBER AND LUMBER IN CONTACT WITH CONCRETE LEDGERS: PRESSURE TREATED HEM FIR #2 OR PRESSURE TREATED DOUG FIR #2 (SEE PLAN)
 JOISTS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 (SEE PLAN)
 BEAMS: PRESSURE TREATED HEM FIR #2 OR UN-TREATED DOUG FIR #2 OR GLULAM AC/AC 20F-V12 (SEE PLAN)
- ROOF SHEATHING: 1/2" OSB APA SPAN RATED NAILED W/ 8d NAILS @ 6" O/C, ALL SUPPORTED PANEL EDGES, 12" O/C FIELD, TYP.



11917 N. WARREN ST., HAYDEN, ID. 83835
 PHONE: 208-772-8424

These documents are property of BC Engineers Inc. It is prohibited and unlawful to reproduce any part of these documents without written permission of BC Engineers Inc. and is subject to criminal prosecution.



Revisions:

Project: **95 PROJECT**
 9878 N KIRKPATRICK ST.
 HAYDEN, ID 83835

Sheet Content: **SECTIONS**

Drafter: GA Engineer: BJ Job No.: 230429.01

Stamped by: EA Sheet: **S7**

Date: 01/11/2024 OF 9