GENERAL NOTES

A. CONSTRUCTION DOCUMENTS

- 1. THE CONTRACTOR SHALL REVIEW THE APPROVED CONSTRUCTION DOCUMENTS AND NOTIFY THE ENGINEER OF ANY ERRORS OR DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
- 2. THE CONTRACTOR SHALL REVIEW THE APPROVED CONSTRUCTION DOCUMENTS AND NOTIFY THE ENGINEER OF ANY ERRORS OR
- DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR USING QUALIFIED SUB CONTRACTORS EXPERIENCED IN THIS TYPE OF CONSTRUCTION.
 THE CONTRACTOR SHALL FURNISH AND INSTALL EVERYTHING REQUIRED TO PROVIDE A COMPLETE STRUCTURE AS SHOWN HEREIN. IF THERE IS AN OMISSION ON THE PLANS, SUCH OMISSION SHALL NOT BE CONSTRUED TO MEAN THAT THE CONTRACTOR IS NOT REQUIRED TO FURNISH OR PROVIDE EVERYTHING THAT IS NECESSARY TO COMPLETE THE PROJECT TO THE MINIMUM REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE AND ALL OT HER EPERFECTIONAL BUILDING CODE AND
- ALL OTHER SPECIFICATIONS, CODES AND STANDARDS NOTED ON THE APPROVED CONSTRUCTION DOCUMENTS.
 5. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IF ANY UNIDENTIFIED EXISTING UNDERGROUND UTILITIES ARE DISCOVERED. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES WHETHER OR
- CONSTRUCTION OF EXISTING UNDERGROUND UTILITIES WHETHER OF NOT SHOWN ON THE DRAWINGS.
 THE APPROVED STRUCTURAL DRAWINGS ARE PART OF THE OVERALL CONSTRUCTION DOCUMENT SET AND SHALL BE DEFENSION IN CONTINUE TO MAILTING THER ADDROVED.
- REFERENCED IN CONJUNCTION WITH OTHER APPROVED CONSTRUCTION DOCUMENTS INCLUDING, BUT NOT LIMITED TO, CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, DOCUMENTS. a. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
- HORIZONTAL AND VERTICAL DIMENSIONS NOT SHOWN ON THE STRUCTURAL PLANS. SIZE AND LOCATIONS OF DOOR AND WINDOW OPENINGS. SIZE AND LOCATIONS OF ROOF AND FLOOR OPENINGS. SIZE AND LOCATIONS OF INTERIOR NON-BEARING AND NON STRUCTURAL WALLS. CEILING ASSEMBLIES; WALL, FLOOR AND ROOF FINISHES; AND HANDRAILS.
- b. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR THE FOLLOWING: SIZE AND LOCATION OF PIPES, SLEEVES, AND DUCT PENETRATIONS. EQUIPMENT SIZES AND LOCATION. EQUIPMENT CURBS AND MOUNTING BRACKETS OR ANCHORS. THE STRUCTURAL DRAWINGS REPRESENT THE FINISHED
- THE STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, BRACING AND/OR SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. CONTRACTOR AT HIS/HER OWN EXPENSE SHALL ENGAGE PROPERLY QUALIFIED PERSONS TO DESIGN BRACING, SHORING, ETC. OBSERVATION VISITS TO THE SITE BY THE ENGINEER SHALL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.
- 8. UNDER NO CIRCUMSTANCES CAN STRUCTURAL COMPONENTS BE SUBSTITUTED, OMITTED, SPLICED, OR ALTERED FROM THE APPROVED SET OF CONSTRUCTION DOCUMENTS WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.
- B. DIMENSIONS AND NOTATIONS:
- WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS.
- 2. FOR ANY MISSING DIMENSIONS REFER TO THE ARCHITECTURAL DRAWINGS OR THE DRAWINGS OF APPLICABLE TRADE.
- ABBREVIATIONS USED ON THE APPROVED CONSTRUCTION DOCUMENTS SHALL BE CONSIDERED TYPICAL ABBREVIATIONS FOR THE INDUSTRY. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY ABBREVIATIONS THAT ARE UNKNOWN TO THE CONTRACTOR.
- C. TYPICAL NOTES AND DETAILS:
 1. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER STANDARD TYPICAL NOTES AND DETAILS.
- 2. STANDARD TYPICAL NOTES AND DETAILS ARE TO BE USED WHEN REFERRED TO OR WHEN NO OTHER MORE RESTRICTIVE OR DIFFERENT DETAILS ARE SHOWN ON THE DRAWINGS.
- WORK NOT PARTICULARLY SHOWN OR SPECIFIED SHALL BE THE SAME AS SIMILAR PARTS THAT ARE SHOWN OR SPECIFIED.
- D. SHOP DRAWINGS:
 1. SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER IN A TIMELY FASHION PRIOR TO FABRICATION AND CONSTRUCTION. UNLESS OTHERWISE STATED, A MINIMUM OF 5 WORKING DAYS AFTER RECEIPT OF SHOP DRAWINGS SHALL BE CONSIDERED AN ACCEPTABLE TIME PERIOD FOR THE STRUCTURAL ENGINEER REVIEW PROCESS.
- 2. A MINIMUM OF (2) HARD COPY SETS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. THE STRUCTURAL ENGINEER WILL MAINTAIN (1) SET FOR REFERENCE PURPOSES. THE CONTRACTOR SHALL MAINTAIN (1) SET AT THE JOB SITE DURING THE DURATION OF CONSTRUCTION.
- CONTRACTOR SHALL REVIEW AND STAMP SHOP DRAWINGS PRIOR TO SUBMISSION TO THE STRUCTURAL ENGINEER. CONTRACTOR SHALL REVIEW FOR COMPLETENESS AND COMPLIANCE WITH CONTRACT DOCUMENTS.
- SHOP DRAWINGS ARE NOT A PART OF THE CONSTRUCTION DOCUMENTS. THE STRUCTURAL ENGINEER REVIEW DOES NOT GIVE PERMISSION TO DEVIATE FROM THE APPROVED CONSTRUCTION DOCUMENTS. WHERE THE SHOP DRAWINGS AND THE CONSTRUCTION DOCUMENTS DIFFER, THE MORE STRICT OF THE TWO SHALL GOVERN UNLESS WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER PERMITS OTHERWISE.
 INSPECTIONS, SPECIAL INSPECTIONS, AND SITE VISITS (STRUCTURAL
- OBSERVATIONS): 1. INSPECTIONS BY THE BUILDING OFFICIAL ARE REQUIRED FOR CONSTRUCTION WORK FOR WHICH A PERMIT IS REQUIRED PER SECTION 110 OF THE IBC. CONTRACTOR IS REQUIRED TO COORDINATE AND SCHEDULE ALL REQUIRED INSPECTIONS WITH THE BUILDING OFFICIAL. INSPECTIONS PRESUMING TO GIVE AUTHORITY TO VIOLATE OR CANCEL PROVISIONS OF THE IBC OR OF
- OTHER ORDINANCES OF THE JURISDICTION SHALL NOT BE VALID.
 2. SPECIAL INSPECTIONS ARE IN ADDITION TO, AND DO NOT REPLACE, THE INSPECTIONS BY THE BUILDING OFFICIAL PER CHAPTER 17 OF THE IBC. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A QUALIFIED PERSON TO INSPECT AS REQUIRED ON THESE DOCUMENTS THE MATERIALS, INSTALLATION, FABRICATION, ERECTION OR PLACEMENT OF COMPONENTS AND CONNECTIONS REQUIRING SPECIAL EXPERTISE TO ENSURE COMPLIANCE WITH THE
- APPROVED CONSTRUCTION DOCUMENTS.
 3. SITE VISITS OR STRUCTURAL OBSERVATIONS BY THE STRUCTURAL ENGINEER DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY OF INSPECTIONS OR SPECIAL INSPECTIONS PER SECTION 110 AND CHAPTER 17 OF THE IBC. SITE VISITS ARE NOT CONTINUOUS OR DETAILED. SITE VISITS DO NOT VALIDATE CONTRACTORS PERFORMANCE, MEANS, OR METHODS. SITE VISITS ARE FOR VISUAL OBSERVATION FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS.
- F. CODE REQUIREMENTS:
 1. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:
- a. 2018 INTERNATIONAL BUILDING CODE (IBC)
- b. ANY OTHER REGULATING AGENCIES WHICH MAY HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF <u>IDAHO</u>.
 c. SPECIFICATIONS, CODES AND STANDARDS NOTED SHALL BE OF
- C. SPECIFICATIONS, CODES AND STANDARDS NOTED SHALL BE OF THE LATEST APPROVED ISSUE, INCLUDING SUPPLEMENTS, UNLESS NOTED OTHERWISE.
 CONTRACTOR SHALL BE PROPERLY RECISTERED IN THE STATE
- d. CONTRACTOR SHALL BE PROPERLY REGISTERED IN THE STATE OF **IDAHO** PER **IDAHO** STATE LAW.
 e. ALL STRUCTURAL MATERIAL MUST HAVE CURRENT ICC-ES
- REPORTS AVAILABLE UPON REQUEST TO PROVE CODE APPROVAL & INDUSTRY TOLERANCES.

DESIGN CRITERIA

- A. 2018 INTERNATIONAL BUILDING CODE (IBC)
- RISK CATEGORY: II
 NATURE OF OCCUPANCY: RESIDENTIAL
- B. DESIGN LOADS:
 1. ROOF:
 a. LIVE LOAD = 100 PSF (SNOW)
- b. DEAD LOAD = 18 PSF2. FLOOR- LIVE LOADS:
- a. RESIDENTIAL = 40 PSF C. IBC SEISMIC DESIGN:
- SEISMIC DESIGN CATEGORY: D
 IMPORTANCE FACTOR I/E = 1.0
- 2. IMPORTANCE FACTOR I/E = 1. 3. SOIL SITE CLASS: D
- 4. SEISMIC COEFFICIENTS:
 S_{DS} = 0.45
- $S_{D1} = 0.25$
- S₁ = 0.14
 T_L = 6s
- 5. RESPONSE MODIFICATION: R= 6.5
 SEISMIC FORCE RESISTING SYSTEM: SIMPLE DIAPHRAGM
- 6. DESIGN BASE SHEAR:
 V= 0.26W
- ANALYSIS PROCEDURE: EQUIV. LATERAL FORCE
- D. IBC WIND LOAD:1. BASIC DESIGN WIND SPEED = 103 MPH
- 2. EXPOSURE = B
- ANALYSIS METHOD = ENVELOPE
 DESIGN BASE PRESSURE:
- P = 16.0 PSF

CONCRETE

A. REFERENCE STANDARDS:

- ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF ACI 301
 ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE
 CONCRETE MIX DESIGN SHALL BE ESTABLISHED IN ACCORDANCE WITH
- CONCRETE MIX DESIGN SHALL BE ESTABLISHED IN ACCORDANCE WITH CHAPTER 5 OF ACI 318
 USE LATEST EDITION OF ACI 306R WHEN CONCRETING DURING COLD WEATH
- 4. USE LATEST EDITION OF ACI 306R WHEN CONCRETING DURING COLD WEATHERB. SUBMITTALS:1. SUPPLY PRODUCT DATA FOR PROPRIETARY MATERIALS AND ITEMS, INCLUDING
- REINFORCEMENT AND FORMING ACCESSORIES, ADMIXTURES, PATCHING COMPOUNDS, JOINT SYSTEMS, CURING COMPOUNDS AND OTHERS.
 SHOP DRAWINGS FOR REINFORCEMENT DETAILING, FABRICATING, FOR BENDING, AND PLACING OF CONCRETE REINFORCEMENT SHALL COMPLY WITH ACI 315, MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES. BAR SCHEDULES, STIRRUP SPACING, BENT BAR
- CONCRETE STRUCTURES. BAR SCHEDULES, STIRRUP SPACING, BENT BAR DIAGRAMS, AND ARRANGEMENT OF CONCRETE REINFORCEMENT SHALL BE SHOWN. INCLUDE SPECIAL REINFORCING REQUIRED FOR OPENINGS THROUGH CONCRETE STRUCTURES. C. FORMWORK AND FINISHES:
- 1. FORMWORK: DESIGN, ERECT, SUPPORT, BRACE AND MAINTAIN FORMWORK TO SUPPORT VERTICAL, LATERAL, STATIC AND DYNAMIC LOADS THAT MIGHT BE APPLIED UNTIL STRUCTURE CAN SUPPORT SUCH LOADS.
- FINAL SLAB SURFACES SHALL RECEIVE A MACHINED STEEL TROWEL FINISH.
 ANY PROJECTING CORNERS OF COLUMNS, BEAMS, WALLS, PEDESTALS, ETC SHALL BE FORMED WITH A 3/4 INCH CHAMFER.
- DRY PACK, OR USE NON-SHRINK GROUT, UNDER BASE PLATES, BEARING PLATES, OR SILL PLATES AS REQUIRED FOR A LEVEL AND UNIFORM BEARING SURFACE. MINIMUM GROUT STRENGTH SHALL BE fc = 7000 PSI, U.N.O.
 SEPARATE SLABS-ON-GRADE FROM VERTICAL SURFACES WITH JOINT FILLER.
- D. MIX DESIGN, STRENGTH, AND ADMIXTURES:
- 28-DAY COMPRESSIVE STRENGTHS (fc):
 a. FOUNDATION STEM WALLS = 3500 PSI
- b. FOOTINGS = 3500 PSIc. INTERIOR SLABS-ON-GRADE = 4000 PSI
- 2. CEMENT II OR I/II PER ASTM C-150
- 3. MAXIMUM SLUMP: a. PRIOR TO ADDITION OF WATER-REDUCING ADMIXTURE = 4"
- b. WITH ADDITION OF WATER-REDUCING ADMIXTURE= 10"
- 4. MAXIMUM SIZE COARSE AGGREGATE: 3/4 INCHES (PER ASTM C-33)
- 5. APPROVED ADMIXTURES: a. FLYASH PER ASTM C-618
- b. AIR ENTRAINING PER ASTM C-260
- c. WATER REDUCING PER ASTM C-494 E. REINFORCEMENT:
- 1. REINFORCEMENT: 1. REINFORCEMENT FOR CONCRETE:
- a. ALL REINFORCING SHALL BE SUPPORTED IN FORMS SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER IN ACCORDANCE WITH THE LATEST EDITION OF THE CRSI "MANUAL OF STANDARD PRACTICE"
- b. DEFORMED BARS ASTM A615, GRADE 60c. WELDED WIRE REINFORCEMENT (WWR):
- SMOOTH WIRE ASTM A185
- DEFORMED WIRE ASTM A497
 USE FLAT MATS ONLY. NO ROLLED WWR IS PERMITTED.
- 2. MINIMUM REINFORCEMENT LAP = 40 BAR DIAMETERS
- MINIMUM WWR LAP = GRID SPACING PLUS 2 INCHES
 MINIMUM CONCRETE COVER OVER REINFORCEMENT
- a. CONCRETE CAST AGAINST EARTH = 3"
- b. CONCRETE EXPOSED TO EARTH OR WEATHER = 1 1/2"
 c. CONCRETE NOT EXPOSED TO EARTH OR WEATHER = 3/4"
- SLAB-ON-GRADE REINFORCEMENT SHALL BE PLACED AT THE MID-DEPTH OF THE SLAB.
 F. COORDINATION:
- 1. COORDINATE ALL UNDER-SLAB MATERIAL SUCH AS VAPOR BARRIER, INSULATION, AND SUB-BASE WITH ARCHITECTURAL CONSTRUCTION
- DOCUMENTS. 2. COORDINATE CONCRETE SURFACE FINISHING WITH ARCHITECTURAL FINISH
- MATERIALS. 3. REPAIR OR REPLACE DEFECTIVE CONCRETE AS DIRECTED BY THE ARCHITECT, ENGINEER, OR TESTING AGENCY.
- 4. COORDINATE ALL JOINT SPACING, LAYOUT, FILLER AND SEALANTS.
- 5. COORDINATE WITH ARCHITECTURAL ANY FINISH SURFACES THAT REQUIRE MOCK-UPS AND ACCEPTANCE PRIOR TO CONSTRUCTION.
- COORDINATE WITH REQUIRED INSPECTORS, SPECIAL INSPECTORS, AND STRUCTURAL OBSERVERS FOR FIELD QUALITY CONTROL ITEMS AND SCHEDULE NOTIFICATIONS IN A TIMELY FASHION.
- G. DEFINITIONS:
 1. PERFORMANCE DESIGN A SET OF INSTRUCTIONS THAT OUTLINES THE FUNCTIONAL REQUIREMENTS FOR HARDENED CONCRETE DEPENDING ON THE APPLICATION. PERFORMANCE DESIGN DOES NOT INCLUDE REQUIREMENTS FOR MEANS AND METHODS AND DOES NOT PROVIDE LIMITATIONS ON THE INGREDIENTS OR PROPORTIONS OF THE CONCRETE MIXTURE. SUBMITTALS FOR PERFORMANCE DESIGN WOULD NOT BE A DETAILS LIST OF MIXTURE INGREDIENTS BUT RATHER A CERTIFICATION THAT THE MIX WILL MEET THE SPECIFICATION REQUIREMENTS, INCLUDING PRE-QUALIFICATION TEST RESULTS.
- DURABILITY DESIGN DURABILITY IS THE ABILITY OF CONCRETE TO RESIST WEATHERING ACTION, CHEMICAL ATTACK, AND ABRASION WHILE MAINTAINING IT'S DESIRED ENGINEERING PROPERTIES.
- 3. STRENGTH DESIGN- BASED ON THE ULTIMATE COMPRESSIVE STRENGTH OF THE CONCRETE NEEDED TO RESIST THE CALCULATED DESIGN LOADS. ANY ADDITIONAL STRENGTH THAT MAY BE PRESENT DUE TO STEEL REINFORCING IS NOT PERMITTED TO BE INCLUDED IN THE CONCRETE STRENGTH DESIGN.

WOOD

- A. REFERENCE STANDARDS AND GOVERNING AGENCIES:
- NDS FOR WOOD CONSTRUCTION
 APA PANEL DESIGN SPECIFICATION
- AWPA U1 USE CATEGORY SYSTEM: USER SPECIFICATION FOR TREATED WOOD
 TPI 1 NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION
- 5. WWPA WESTERN WOOD PRODUCTS ASSOCIATION
- B. SUBMITTALS: 1. ENGINEERED WOOD PRODUCTS:
- a. ANY ALTERNATE PROPRIETARY FRAMING SYSTEM(S) SHALL BE OF THE SAME
- DEPTH AND LOAD CARRYING CAPACITY AS THE TRUS-JOIST SYSTEM(S) SHOWN ON THE DRAWINGS. ICC REPORTS FOR THE ALTERNATE PROPRIETARY FRAMING SYSTEM(S) SHALL BE SUBMITTED SHOWING TESTING APPROVAL AND
- MATERIAL STRENGTH EQUIVALENCY.
 b. ALL SUBMITTED ENGINEERED WOOD PRODUCTS CALCULATIONS SHALL BE STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE
- STATE OF <u>IDAHO</u>. 2. FABRICATED WOOD TRUSSES:
- a. ALL ROOF TRUSSES SHALL BE DESIGNED, STAMPED, AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF IDAHO.
- b. TRUSS MANUFACTURER SHALL PROVIDE PROOF OF APPROVED THIRD PARTY INSPECTION AS REQUIRED BY THE 2018 IBC, SECTION 1704.2.5.
 c. SUBMIT SHOP DRAWINGS OF PRE MANUFACTURED WOOD TRUSS LAYOUT FOR
- REVIEW BY THE ENGINEER PRIOR TO FABRICATION. TRUSS DESIGN DRAWINGS AND CALCULATIONS SHALL CONFORM TO THE REQUIREMENTS FROM SECTION 2303.4 OF THE IBC.
- C. CARPENTRY
 1. WOOD FRAMING MEMBERS SHALL HAVE THE FOLLOWING GRADES, OR BETTER, UNLESS NOTED OTHERWISE (U.N.O.):
 - a. BLOCKING: DOUGLAS FIR LARCH NO. 2, OR BETTERb. BRIDGING: DOUGLAS FIR LARCH NO. 2, OR BETTER
 - c. STUD FRAMING: DOUGLAS FIR LARCH NO. 2, OR BETTER
 - d. BEAMS/HEADERS/JOISTS: DOUGLAS FIR LARCH NO. 2, OR BETTER e. BUILT-UP COLUMNS: DOUGLAS FIR LARCH NO. 2, OR BETTER
 - f. SOLID COLUMNS: DOUGLAS FIR LARCH NO. 1, OR BETTER
- g. TOP AND BOTTOM PLATES: DOUGLAS FIR LARCH NO. 2, OR BETTER
 2. MAXIMUM MOISTURE CONTENT OF ALL LUMBER AT THE TIME OF CLOSURE SHALL BE 19%.
- 3. SPLICING OF WOOD MEMBERS, UNLESS SHOWN ON THE DRAWINGS, IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE PROJECT ENGINEER.
- HOLES MAY BE DRILLED IN JOIST/BEAM IF SPECIFICALLY INDICATED ON THESE
- DRAWINGS. ANY OTHER HOLES OR NOTCHES ARE NOT ALLOWED.
 5. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED OR REDWOOD.
 D. ENGINEERED OR COMPOSITE WOOD PRODUCTS
- 1. ALL ENGINEERED WOOD PRODUCTS SHALL BE TRUSS-JOIST PRODUCTS OR APPROVED EQUAL.
- 2. ALL ENGINEERED WOOD PRODUCTS SHALL BE DESIGNED FOR THE LOADS SPECIFIED AND SHALL CONFORM TO THE LATEST SPECIFICATIONS.
- ALL ENGINEERED WOOD PRODUCTS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 SPLICING OF ENGINEERED WOOD MEMBERS, UNLESS SHOWN ON THE DRAWINGS,
- IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE PROJECT ENGINEER. E. MANUFACTURED OR FABRICATED WOOD TRUSSES
- ALL TRUSS LOADING SHALL SATISFY DEAD AND LIVE LOADS SHOW UNDER DESIGN LOADS IN THE DESIGN CRITERIA, ABOVE.
 MEMBER PROPERTIES: NO EXCEPTIONS OR SUBSTITUTIONS WITHOUT A WRITTEN REQUEST PRIOR TO FABRICATION.
- a. CHORDS: DOUGLAS FIR LARCH NO. 2, OR BETTER
- b. WEBS: DOUGLAS FIR LARCH NO. 2, OR BETTER, OR STUD GRADE
 c. UTILITY, CONSTRUCTION, OR #3 GRADE WOOD IS NOT ACCEPTABLE FOR ANY
- TRUSS MEMBER 3. EACH TRUSS SHALL BE MARKED WITH THE FOLLOWING INFORMATION:
- MANUFACTURER'S IDENTIFICATION
 DESIGN LOAD(S)
- c. TRUSS SPACING AND CONFIGURATION.
- ALL TRUSS BLOCKING PANELS SHALL BE DESIGNED AND PROVIDED BY THE TRUSS MANUFACTURER AND CONSTRUCTED WITH APPROVED PLATES.
 TRUSS PROFILES SHOWN ARE REPRESENTATIONS OF POSSIBLE
- TRUSS PROFILES SHOWN ARE REPRESENTATIONS OF POSSIBLE CONFIGURATIONS OF WEB LOCATIONS, MEMBER SIZES, AND NUMBER OF PLAYS.
 TRUSS MANUFACTURER SHALL VERIFY ALL TRUSS DIMENSIONS, ACCOUNTING
- FOR TOLERANCES, CONNECTIONS AND SPLICE REQUIREMENTS.
 7. TRUSS ORIENTATION DIRECTLY IMPACTS THE STRUCTURAL INTEGRITY OF THE FOUNDATION, AND WALL SYSTEM DESIGNS. ANY MODIFICATIONS TO THE TRUSS ORIENTATION MUST BE MADE IN WRITING AND SUBMITTED TO THE CONTRACTOR
- AND ENGINEER PRIOR TO THE CONSTRUCTION OF THE ABOVE SYSTEMS.
 8. THE TRUSS MANUFACTURER IS RESPONSIBLE FOR COORDINATION BETWEEN STRUCTURAL, ARCHITECTURAL, AND MECHANICAL LAYOUT REQUIREMENTS PRIOR
- TO FABRICATION. F. PANEL SHEATHING:
- STRUCTURAL WOOD SHEATHING AS SPECIFIED ON THESE DRAWINGS AT ROOF/FLOOR DIAPHRAGMS, SHEAR WALLS, AND BUILT-UP BLOCKING LOCATIONS SHALL BE STAMPED WITH THE SPECIFIED APA RATING.
- 2. STRUCTURAL WOOD SHEATHING MAY BE EITHER PLYWOOD OR ORIENTED STRAND BOARD (OSB) AS LONG AS THE PANEL MEETS OR EXCEEDS THE CRITERIA LISTED BELOW.

G. ACCESSORIES AND FASTENERS:

- ALL WOOD CONNECTORS SHALL BE SIMPSON STRONG-TIE OR APPROVED EQUAL AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 a. POST TO CONCRETE CONNECTIONS SHALL BE SIMPSON 'AB' POST BASES, U.N.O.
- b. POST TO BEAM CONNECTIONS SHALL BE SIMPSON 'LPCZ' POST CAPS, U.N.O.
- c. SAWN LUMBER JOIST HANGERS SHALL BE SIMPSON 'LU' HANGERS, U.N.O. d. I-JOIST HANGERS SHALL BE SIMPSON 'ITS' HANGERS, U.N.O.
- NAILING SHALL BE IN ACCORDANCE WITH THE 2018 IBC TABLE 2304.10.2, UNLESS NOTED OTHERWISE.
- 3. NAILS SHALL BE COMMON WIRE NAILS (EXCEPT 16d NAILS MAY BE BOX WIRE NAILS)
- 4. METAL FINISH MATERIAL:

a. HIGH HUMIDITY AND PRESERVATIVE TREATED WOOD LOCATIONS: HOT DIPPED GALVANIZED STEEL PER ASTM A 153. b. INTERIOR AND DRY LOCATIONS: STANDARD PAINTED OR ZINC GALVANIZED

COATING. H. TRUSSES:

- SUBMIT SHOP DRAWINGS SHOWING FULL DIMENSIONS FOR EACH MEMBER AND LAYOUTS OF THE ENTIRE HEAVY TIMBER TRUSSES. SHOW DETAILS OF TRUSS CONNECTIONS, CONNECTORS AND OTHER ACCESSORIES. INDICATE SPECIES AND GRADE OF TIMBER.
- FABRICATE CONNECTIONS CONSIDERING STRICT QUALITY STANDARDS ESTABLISHED BY THE TIMBER FRAME'S GUILD OF NORTH AMERICA, INCLUDING TFEC 1.7 UNLESS SPECIFICALLY DETAILED OTHERWISE. ALL CONNECTIONS SHALL BE DETAILED AND CONSTRCTUED ACCORDING TO THESE DRAWINGS UNLESS SPECIIFCALLY APPROVED BY THE ENGINEER OF RECORD. CONNECTIONS SHALL BE DESIGNED TO MINIMIZE VISIBLE JOINT SEPARATION DUE TO SHRINKAGE.
 THE GENERAL CONTRACTOR SHALL FULLY COORDINATE THE SITE CONDITIONS,
- WORK, SCHEDULE, ERECTION PLATFORM, AND ALL OTHER ITEMS PERTINENT TO THE TIMBER FRAME ERECTION PROCESS.
 I. DEFINITIONS:
 1. ADA BATED SHEATHING: A COMMON TRADE NAME THAT ADDI IES TO A CRADE OR
- APA RATED SHEATHING: A COMMON TRADE NAME THAT APPLIES TO A GRADE OR PANEL FOR USE AS SUBFLOORING, WALL SHEATHING, AND ROOF SHEATHING. PANELS ARE MADE WITH RESIN ADHESIVES THAT PROVIDE A MOISTURE RESISTANT BOND AND ARE DESIGNATED AS: EXPOSURE 1. PANELS CAN BE MANUFACTURED AS EITHER: PLYWOOD OR OSB.
- 2. APA STRUCTURAL 1 RATED SHEATHING: A SPECIAL SHEATHING GRADE DESIGNED FOR USE WHERE SHEAR AND/OR CROSS PANEL STRENGTH PROPERTIES ARE OF MAXIMUM IMPORTANCE. PANELS ARE MADE WITH RESIN ADHESIVES THAT PROVIDE A MOISTURE RESISTANT BOND AND ARE DESIGNATED AS: EXPOSURE 1. PANELS CAN BE MANUFACTURED AS EITHER: PLYWOOD OR OSB.

STRUCTURAL OBSERVATIONS

- A. STRUCTURAL OBSERVATION IS THE VISUAL OBSERVATION OF THE
- STRUCTURAL SYSTEMS BY A REGISTERED DESIGN PROFESSIONAL FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS. B. THE STRUCTURAL OBSERVER SHALL BE EITHER THE ENGINEER OF RECORD
- OR A REGISTERED DESIGN PROFESSIONAL APPROVED BY THE ENGINEER OF RECORD.C. THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR STRUCTURAL
- OBSERVATION, THE CONTRACTOR, AND APPROPRIATE SUBCONTRACTORS SHALL HOLD A PRE-CONSTRUCTION MEETING TO REVIEW THE DETAILS OF THE STRUCTURAL SYSTEMS TO BE STRUCTURALLY OBSERVED.
- D. THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR STRUCTURAL OBSERVATION SHALL SUBMIT SEPARATE WRITTEN OBSERVATION REPORTS FOR EACH REQUIRED SIGNIFICANT CONSTRUCTION STAGE TO BE OBSERVED. THIS WRITTEN REPORT, INCLUDING ANY OBSERVED DEFICIENCIES, SHALL BE SUBMITTED TO THE ENGINEER OF RECORD, THE OWNER'S REPRESENTATIVE, THE CONTRACTOR, AND THE BUILDING OFFICIAL.

SPECIAL INSPECTION

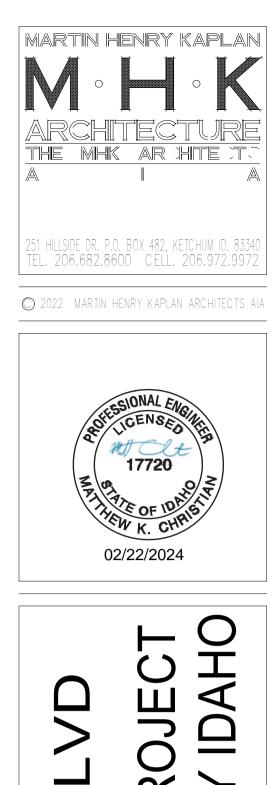
- A. SPECIAL INSPECTION AS HEREIN REQUIRED OF THE FOLLOWING MATERIALS, INSTALLATION, FABRICATION, ERECTION OR PLACEMENT OF COMPONENTS AND CONNECTIONS REQUIRING SPECIAL EXPERTISE TO ENSURE COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.
- B. STRUCTURAL OBSERVATION OF THE STRUCTURAL SYSTEM BY THE ENGINEER OF RECORD DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE SPECIAL INSPECTION REQUIRED BY SECTION 110, 1704, OR OTHER SECTIONS OF THE INTERNATIONAL BUILDING CODE.
- C. THE SPECIAL INSPECTION STATEMENT ON THIS SHEET LISTS THE ITEMS THAT REQUIRE SPECIAL INSPECTION AND VERIFICATION, THE CODE SECTION-REFERENCE FOR ADDITIONAL INFORMATION, AND THE REQUIRED FREQUENCY OF INSPECTION.

SPECIAL INSPECTION PROGRAM

- A. THE OWNER SHALL EMPLOY AN APPROVED AGENCY FOR SPECIAL INSPECTION SERVICES TO PERFORM SPECIAL INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF THE IBC.
- B. AN APPROVED AGENCY SHALL BE AN ESTABLISHED AND RECOGNIZED AGENCY REGULARLY ENGAGED IN CONDUCTING TESTS OR FURNISHING INSPECTION SERVICES.
- C. A SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL SHOW COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL FOR THE INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. A SPECIAL INSPECTOR SHALL ALSO DEMONSTRATE A THOROUGH WORKING KNOWLEDGE OF CHAPTER 17 OF THE IBC AS SUMMARIZED BELOW. IF THERE IS ANY OMISSION ON THE SUMMARIZED LIST BELOW, SUCH OMISSION SHALL NOT BE CONSTRUED TO MEAN THAT THE SPECIAL INSPECTOR IS NOT REQUIRED TO INSPECT EVERYTHING THAT IS NECESSARY TO MEET THE MINIMUM REQUIREMENTS OF THE IBC.
- D. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS TO THE BUILDING OFFICIAL AND THE ENGINEER FOR REVIEW IN A TIMELY FASHION.
- E. SPECIAL INSPECTION REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE BUILDING OFFICIAL AND THE ENGINEER.

ABBREVIATIONS

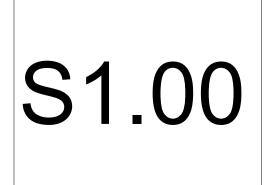
A.B.	ANCHOR BOLT	MANUF	MANUFACTURER
ADD'L	ADDITIONAL	MAX	MAXIMUM
ALT	ALTERNATE	MB	MACHINE BOLT
APPROX	APPROXIMATE	MECH	MECHANICAL
ARCH	ARCHITECT	MIN	MINIMUM
ARCH'L	ARCHITECTURAL	MISC	MISCELLANEOUS
BOT	BOTTOM	NO	NUMBER
BRG.	BEARING	N.T.S.	NOT TO SCALE
BLDG.	BUILDING		
BM	BEAM	O.C.	ON CENTER
		O.H.	OPPOSITE HAND
С	CHANNEL	OPNG	OPENING
CJ	CONTROL JOINT	OPP	OPPOSITE
		OSB	ORIENTED STRAND BOARD
CL	CENTER LINE		
CLG.	CEILING	OWSJ	OPEN WEB STEEL JOIST
CMU	CONCRETE MASONRY UNIT		
COM	COMMON	PEMB	PRE-ENGINEERED METAL
CONC.	CONCRETE	BUILDING	
COND.	CONDITION	PERP	PERPENDICULAR
CONN.	CONNECTION	PL	PLATE
COORD.	COORDINATE	PLY	PLYWOOD
COORD.	COORDINATE		
(=)		PSL	PARALLEL STRAND LUMBER
(D)	DEPTH	PSI	POUNDS PER SQUARE INCH
DET	DETIAL	P.T.	PRESSURE TREATED
D.F-L	DOUGLAS FIR-LARCH		
DIAG	DIAGONAL	REF	REFERENCE
DIAM	DAIMETER	REINF	REINFORCEMENT
DIM	DIMENSION	REQ'D	REQUIRED
DWG	DRAWING	REV	REVISION
DWG	DRAWING	RTU	ROOF TOP UNIT
	EVICTING	RIU	ROOF TOP UNIT
(E)	EXISTING	001155	
EA.	EACH	SCHED	SCHEDULE
E.B.	EXPANSION BOLT/ANCHOR	SHTG	SHEATHING
E.J.	EXPANSION JOINT	SIM	SIMILAR
ELEV	ELEVATION	SK	SKETCH
E.N.	EDGE NAIL	SPECS	SPECIFICATIONS
EQ	EQUAL	SS	STAINLESS STEEL
EQUIP	EQUIPMENT	STAG	STAGGERED
LGOII		STD	STANDARD
FDN	FOUNDATION		STRUCTURAL
		STRUCT	STRUCTURAL
FIN	FINISH	T A O	
FLR	FLOOR	T.A.S.	THREADED ANCHOR STUD
FRMG	FRAMING	T&G	TOUNGE AND GROOVE
FTG	FOOTING	T&B	TOP AND BOTTOM
(F.V.)	FIELD VERIFY	THRU	THROUGH
. ,		TJI	TRUSS JOIST T-JOIST
GA	GAUGE	Т.О.	TOP OF
GALV	GALVANIZE	TRANSV	TRANSVERSE
GLB	GLULAM BEAM	TYP	TYPICAL
GYP	GYPSUM WALL BOARD	TTE	TIFICAL
GIP	GTPSUM WALL BOARD		
		UNO	UNLESS NOTED OTHERWISE
H.A.S.	HEADER ANCHOR STUD		
H.D.	HOLD DOWN	V.I.F.	VERIFY IN FIELD
HDR	HEADER	VERT	VERTICAL
HORIZ	HORIZONTAL		
		(W)	WIDTH
IN	INCHES	ŴÉ	WIDE FLANGE
		WD	WOOD
(L)	LENGTH	W.P.	WORK POINT
LB	POUND	WT	WEIGHT
20			
11 H			
	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL	WWR	WELDED WIRE REINFORCEMENT
		WWR	



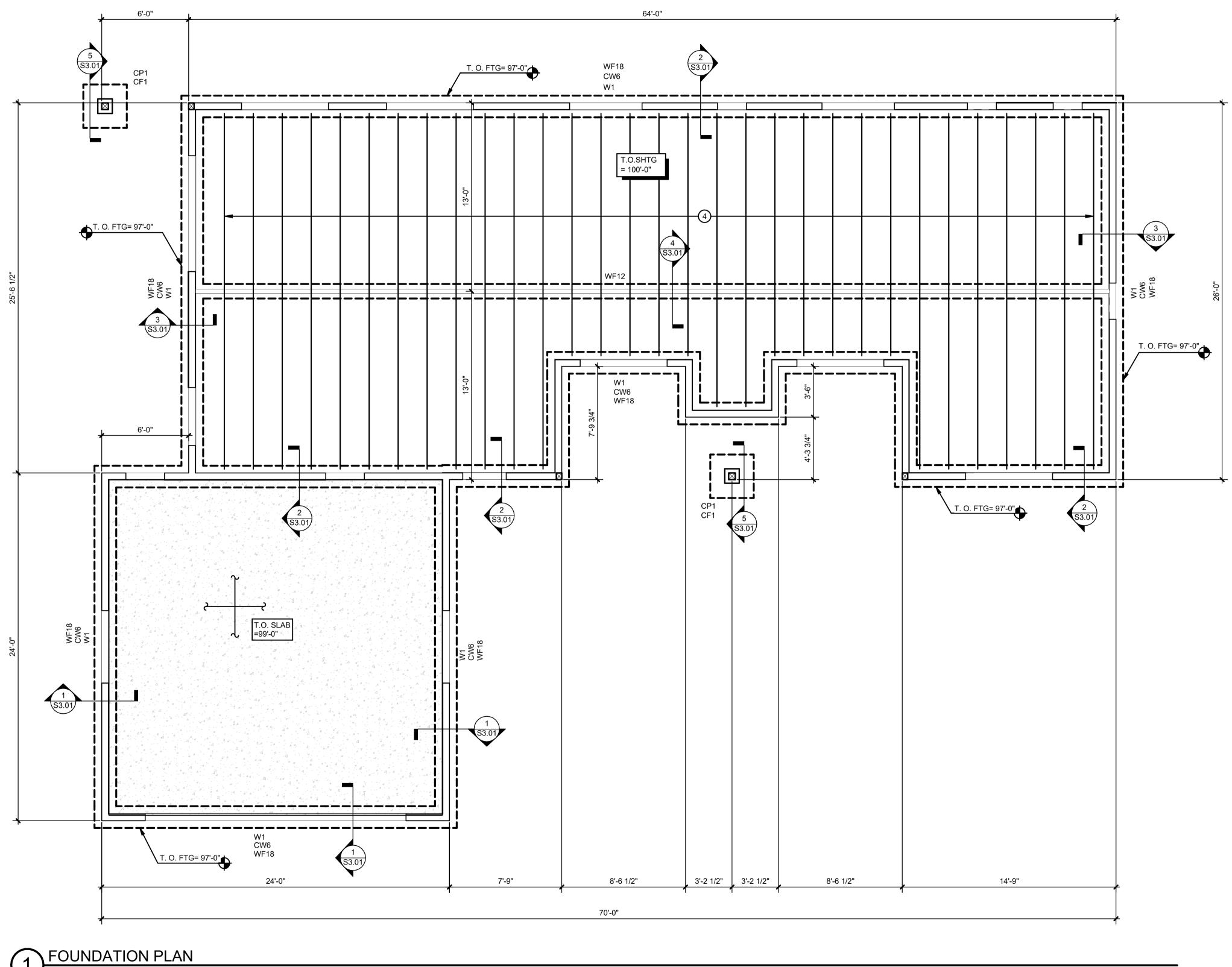
ARCH -MCKERCHER BLVD AN AFFORDABLE HOUSING PROJEC 421 MCKERCHER BLVD, HAILEY IDAH



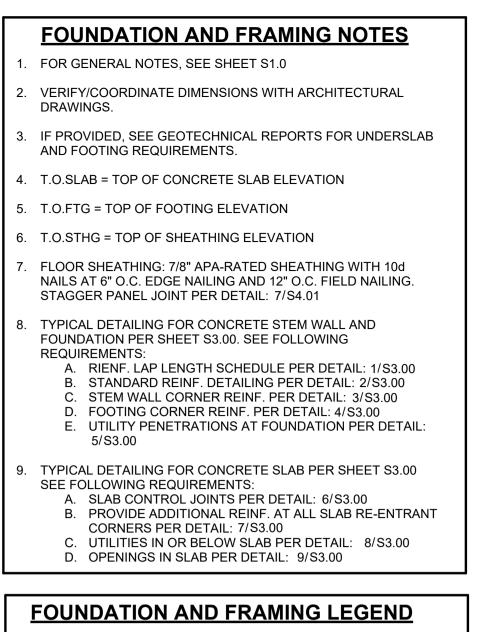
DRAWN BY: NK SCALE: 3/4" = 1'-0"



	SHEET INDEX		
SHEET NUMBER	SHEET NAME	REVISION NUMBER	REVISION DESCRIPTION
S1.00	STRUCTURAL NOTES		
S2.00	FOUNDATION PLAN		
S2.01	1ST FLOOR SHEAR WALL PLAN		
S2.02	ROOF FRAMING PLAN		
S3.00	TYP FOUNDATION AND SLAB DETAILS		
S3.01	FOUNDATION DETAILS		
S4.00	WOOD SHEAR WALL AND HOLDOWN DETAILS		
S4.01	TYP WOOD FRAMING DETAILS		
S4.02	FRAMING DETAILS		

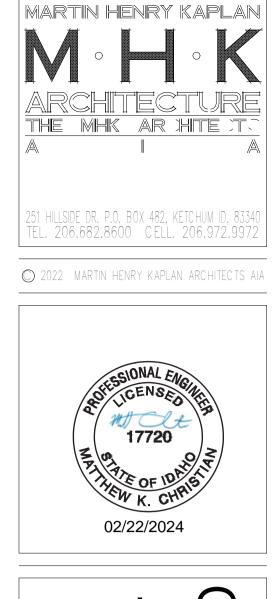


SCALE: 1/4" = 1'-0"

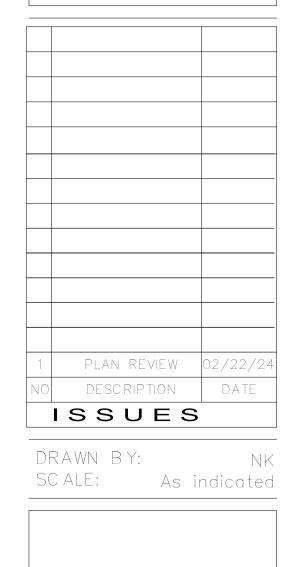


- WF# INDICATES CONCRETE CONTINUOUS WALL FOOTING, FOR SIZE AND REINF, SEE SCHEDULE BELOW.
 CF# INDICATES CONCRETE SPREAD FOOTING, FOR SIZE AND REINF SEE SCHEDULE BELOW.
- CW# INDICATES CONCRETE WALL, FOR SIZE AND REINF SEE SCHEDULE BELOW
 CP# INDICATES CONCRETE PIER, FOR SIZE AND REINF SEE SCHEDULE AND DETAIL: 6/S3.01
- W#INDICATES WOOD WALL STUD FRAMING, FOR SIZE AND
DETAILING SEE DETAIL: 1/S4.01INDICATES 4" CONCRETE SLAB W/ #3 REBAR AT 18" O.C. EA
- WAY (OR 4x4 2.9W x 2.9W WWR) OVER 10 MIL VAPOR BARRIER OVER 4" COMPACTED 3/4" MINUS GRAVEL.
- INDICATES FRAMING MEMBER, SEE SCHEDULE BELOW.
 INDICATES CONCRETE SLAB CONTROL JOINT. LOCATIONS TO BE COORDINATED BY CONTRACTOR PER DETAIL: 6/S3.00

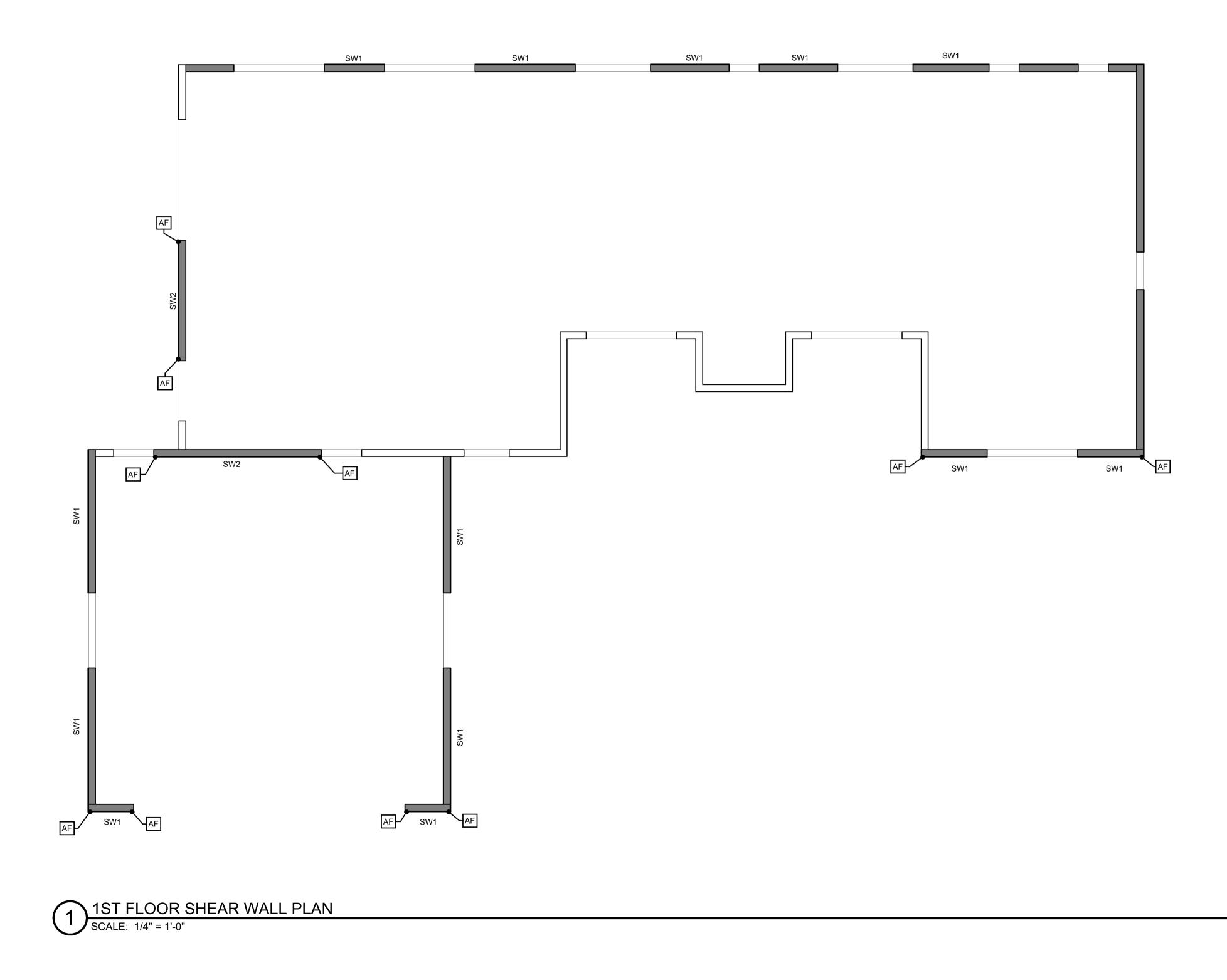
	CONT	INUOU	IS FOO	TING	SCHE	DULE
	SI	ZE	IG			
MARK	WIDTH	DEPTH	то	P		воттом
WF12	12"	8"	N/	4		(2) #4 (L)
WF18	18"	8"	N/	4		(2) #4 (L)
	<u>C0</u>	NCRE	TE WA	LL S	CHEDI	JLE
MARK				REINFO	RCING	
			ERTICAL			ORIZONTAL
CW6	6"	#4 @ 18" (D.C. (CENTE	ERED)	#4 @ 12"	O.C. (CENTERED)
CONCRETE SPREAD FOOTING SC					CHEDULE DRCING	
	WIDTH	LENGTH		Г	ГОР	BOTTOM
CF1	3'-0"	3'-0" 3'-0" 10" NA				(4) #4 EACH WAY
wo	OD S	TUD W	ALL SC	CHEC	DULE]
MARK		TYPE			PACING	4
W1		(1) 2x6 DF-L #2 16" O.C.				J
	FRA	MING	SCHED	ULE]
MARK			TYPE			_
1	PRE-MA	RE-MANUFACTURED SLOPED ROOF TRUSSES @ 24" O.C.			s	
2			UTLOOKEF			
2 3		. (OR SIMI DF-L #2 F	OUTLOOKEF LAR WEATH RAFTERS A JI 110 @ 16	HER PR T 24" O.	OTECTED)	



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S2.00



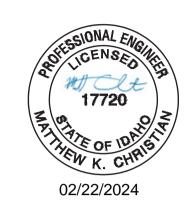
WOOD SHEAR WALL NOTES

- 1. FOR GENERAL NOTES, SEE SHEET S1.0.
- 2. FOR EXTERIOR WALLS NOT LABELED, USE SHEAR WALL TYPE 1 PER SHEAR WALL SCHEDULE.
- 3. FRAME AND SHEATH SHEAR WALL CONTINUOUS BEHIND WALL BUMPOUT OR INTERSECTING WALLS W.A.
- 4. FOR DRAG LOCATIONS, REFER TO FRAMING PLANS.
- 5. SEE FOUNDATION AND FRAMING PLANS FOR INFORMATION NOT SHOWN.
- TYPICAL DETAILING FOR SHEAR WALLS PER THE FOLLOWING REQUIRMENTS.
 A. SHEAR WALL DETAILING PER DETAIL: 1/S4.00
 B. FOUNDATION HOLDOWN PER DETAIL: 3/S4.00

WOOD SHEAR WALL LEGEND

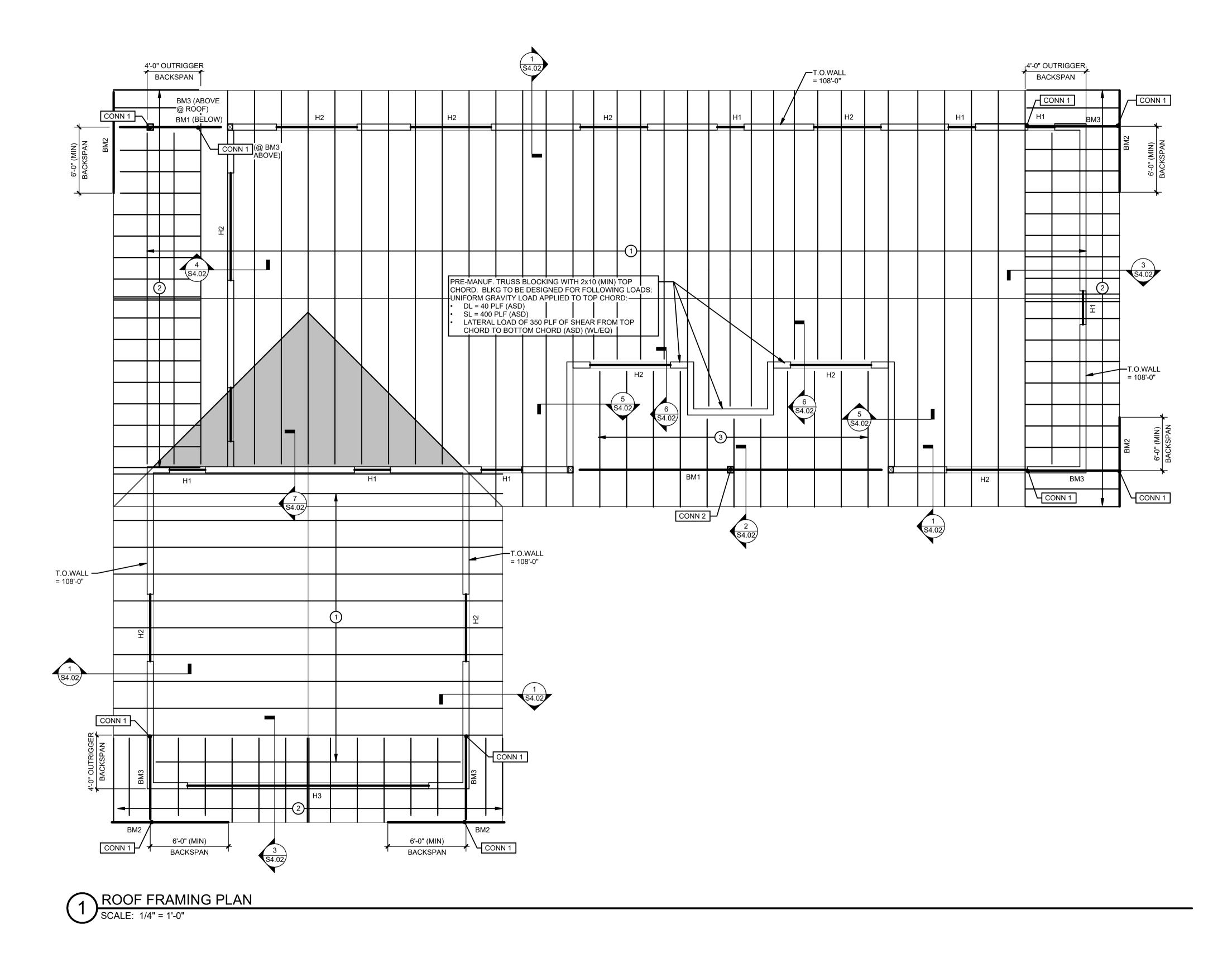
- SW# INDICATES WOOD SHEAR WALL TYPE, SEE SCHEDULE AND DETAIL: 1/S4.00
- AF INDICATES FOUNDATION HOLDOWN, SEE SCHEDULE AND DETAIL:3/S4.00





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1	PLAN F	REVIEW	02/22/24
	DESCR SSL WN BY	JES	DATE 5 Author indicated



FRAMING PLAN NOTES

- 1. FOR GENERAL NOTES, SEE SHEET S1.0
- 2. ALL DIMENSIONS AND ELEVATIONS ON THE STRUCTURAL PLANS SHALL BE VERIFIED BY THE CONTRACTOR WITH THE LATEST ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IMMEDIATELY.
- 3. ATTACH NON-BEARING INTERIOR WALLS PER DETAIL: 4/S4.01
- 4. T.O.WALL = TOP OF WALL ELEVATION.
- . <u>ROOF SHEATHING:</u> 5/8" APA-RATED SHEATHING WITH 10d NAILS AT 6" O.C. EDGE NAILING AND 12" O.C. FIELD NAILING. STAGGER PANEL JOINTS PER DETAIL: 7/S4.01
- 6. TYPICAL DETAILING FOR WOOD FRAMING PER SHEET S4.0. SEE FOLLOWING REQUIREMENTS: A. TYPICAL SHEAR WALL DETAILING PER DETAIL: 1/S4.00 B. TYPICAL WALL FRAMING PER DETAIL: 1/S4.01 C. (20) 16d NAIL WALL TOP PLATE SPLICE REQ'D PER DETAIL: 2/S4.01

FRAMING LEGEND						
H#	INDICATES WOOD HEADER, SEE SCHEDULE BELOW AND DETAIL: 1/S4.01					
BM#	INDICATES WOOD/STEEL BEAM, SEE SCHEDULE BELOW AND DETAIL: 1/S4.01					
	INDICATES OVERBUILD PER TRUSS MANUFACTURER					
(#)	INDICATES FRAMING MEMBER, SEE SCHEDULE BELOW.					
CONN. #	INDICATES STRUCTURAL CONNECTION, SEE SCHEDULE BELOW.					

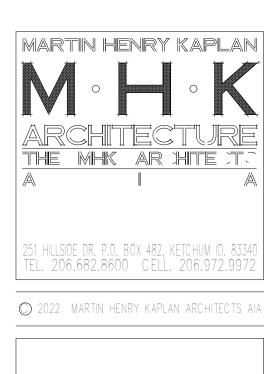
WOOD HEADER SCHEDULE

MARK	ТҮРЕ	TRIM STUD(S)	KING STUD(S)
H1	(2) 2x8 DF-L #2	(2) 2x	(1) 2x
H2	(2) 1-3/4" x 9-1/2" 2.0E LVL	(2) 2x	(2) 2x
H3	(3) 1-3/4" x 14" 2.0E LVL	(2) 2x	(4) 2x

	BEAM SCHEDULE						
MARK	ТҮРЕ	COLUMN IN WALL	FREE STANDING COLUMN				
BM1	5-1/2" x 10.5" 24F-V4 DF GLULAM	(3) 2x6 DF-L #2	6x6 DF-1 #1				
BM2	(2) 2x6 DF-L #2	NA	NA				
BM3	(3) 2x6 DF-L #2	(3) 2x6 DF-L #2	NA				

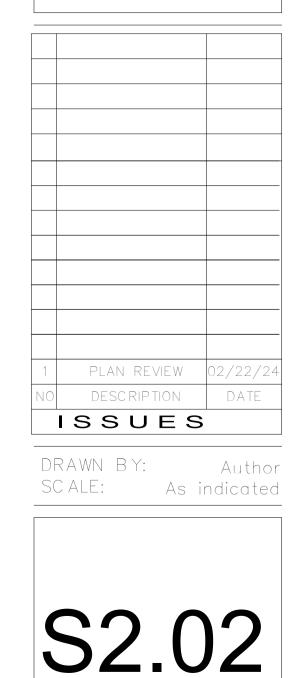
1PRE-MANUFACTURED SLOPED ROOF TRUSSES @ 24" O.C.22x6 DF-L #2 OUTLOOKERS AT 24" O.C.34x8 P.T. (OR SIMILAR WEATHER PROTECTED) DF-L #2 RAFTERS AT 24" O.C.49.5" TJI 110 @ 16" O.C.	MARK TYPE				
22x6 DF-L #2 OUTLOOKERS AT 24" O.C.34x8 P.T. (OR SIMILAR WEATHER PROTECTED) DF-L #2 RAFTERS AT 24" O.C.	1	PRE-MANUFACTURED SLOPED ROOF TRUSSES			
3 4x8 P.T. (OR SIMILAR WEATHER PROTECTED) DF-L #2 RAFTERS AT 24" O.C.	I	@ 24" O.C.			
³ DF-L #2 RAFTERS AT 24" O.C.	2 2x6 DF-L #2 OUTLOOKERS AT 24" O.C.				
DF-L #2 RAFTERS AT 24" O.C.	4x8 P.T. (OR SIMILAR WEATHER PROTECTE				
4 9.5" TJI 110 @ 16" O.C.	3	DF-L #2 RAFTERS AT 24" O.C.			
	4	9.5" TJI 110 @ 16" O.C.			
CONNECTION SCHEDULE					

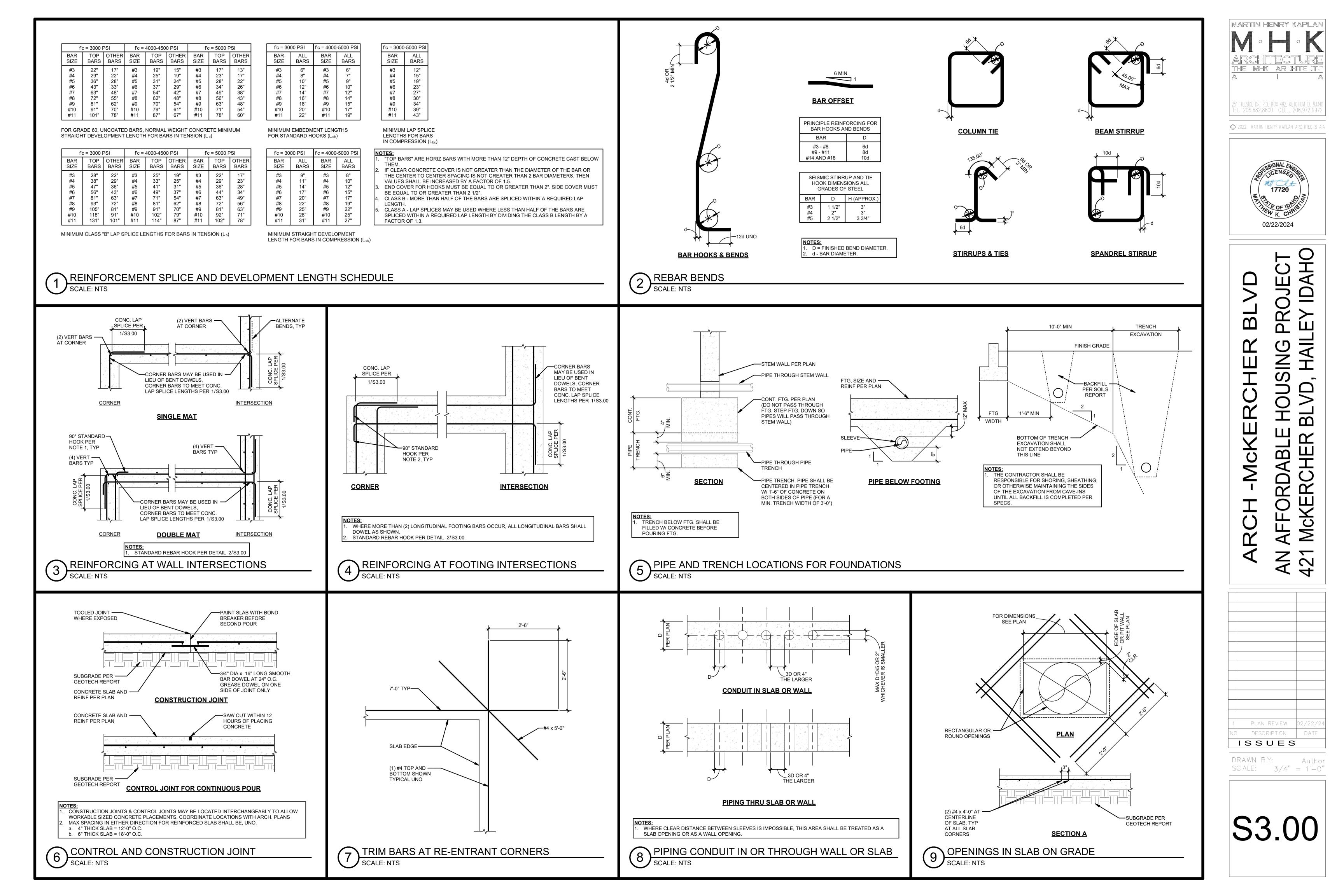
ТҮРЕ					
INVERTED 'HU26-3' HANGER					
SIMPSON BC6 POST CAP					

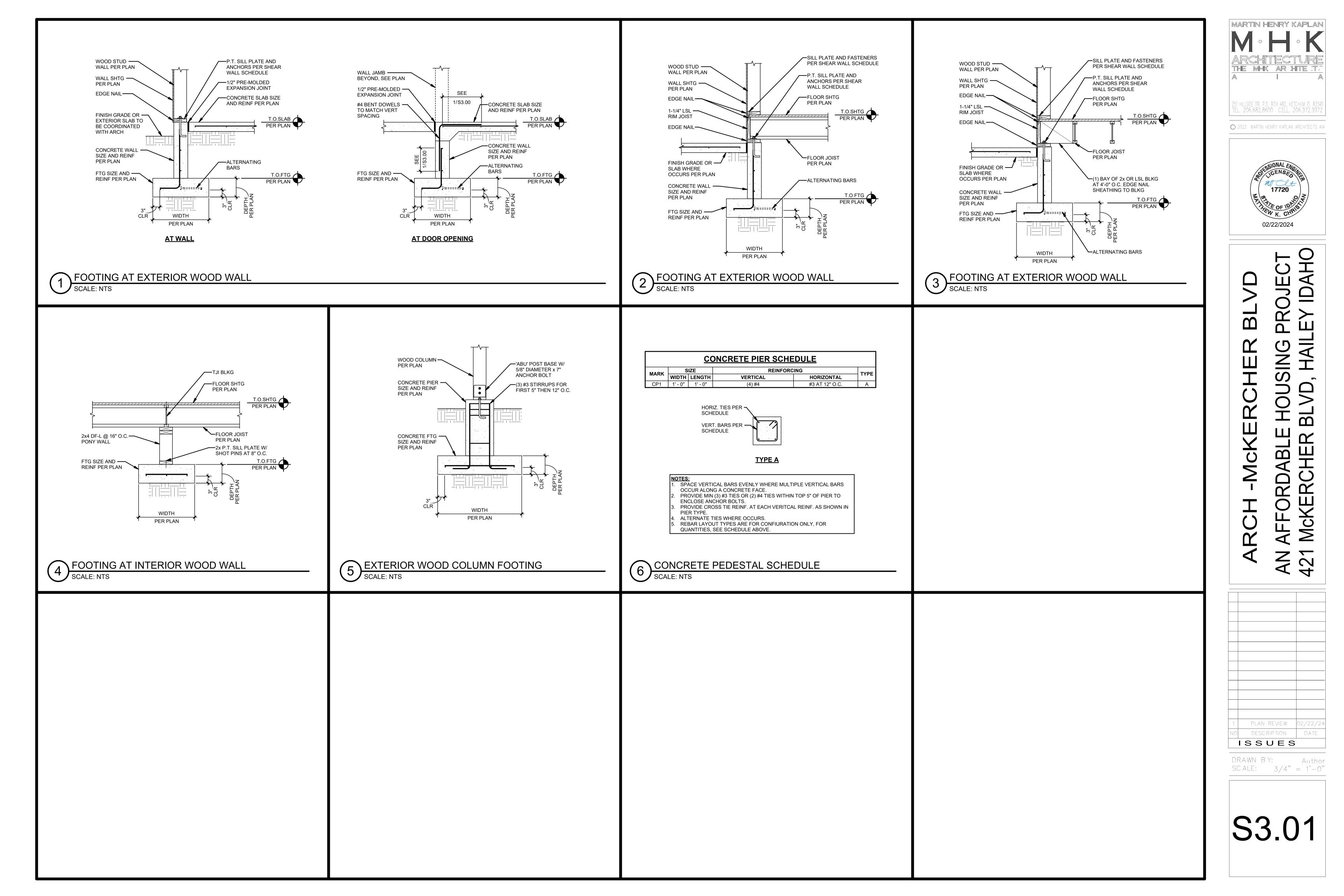




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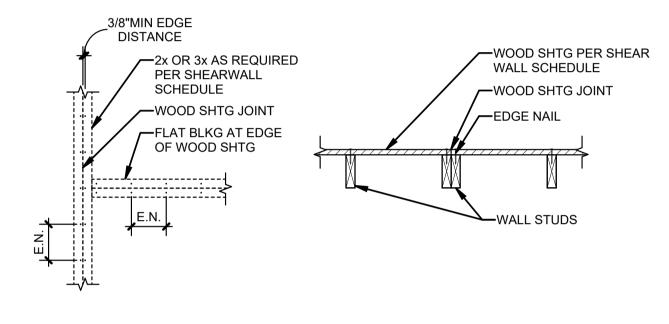




	WOOD SHEAR WALL SCHEDULE						
MARK	MARK SHEATHING TYPE PANEL EDGE PANEL FIELD PANEL EDGE BOTTOM PLATE ATTACHMENT NAILING NAILING MEMBERS SILL PLATE FOUNDATION BLK				BLKG CLIP		
SW1	7/16" APA (1) SIDE	8d AT 6" O.C.	8d AT 12" O.C.	2x	16d AT 6" O.C.	5/8" ANCHOR BOLTS AT 48" O.C.	A35 OR LTP4 AT 24" O.C.
SW2	7/16" APA (1) SIDE	8d AT 4" O.C.	8d AT 12" O.C.	2x	16d AT 4" O.C.	5/8" ANCHOR BOLTS AT 48" O.C.	A35 OR LTP4 AT 18" O.C.

NOTES: INDIVIDUAL PIECES OF WOOD STRUCTURAL PANEL SHALL NOT BE LESS THAN 2'-0" IN LEAST DIMENSION OR 8 SQ FT IN AREA. RE-TIGHTEN HOLDOWN BOLTS BEFORE CLOSING IN WALL FRAMING.

- FOR ADDITIONAL INFORMATION SEE
- PROVIDE SHEATHING ON ENTIRE EXTERIOR SURFACE OF ALL STUD WALLS, UNO IN ARCH DRAWINGS. THE SHEATHING THICKNESS SHALL BE AS REQUIRED TO MAINTAIN A COMMON WALL PLANE, 7/16" MINIMUM. PROVIDE FURRING OR BACKING AT ALL INTERIOR WOOD STUD WALL SURFACES WHICH ARE ONLY PARTIALLY SHEATHED WITH WOOD SHEATHING. THE FURRING OR BACKING SHALL BE OF THICKNESS TO MAINTAIN A COMMON WALL PLANE. COORDINATE AND ADJUST HEADER, JAMB, AND SILL DETAILS AS REQUIRED FOR PROPER OVERALL WALL THICKNESS.
- UNO ON SHEARWALL SCHEDULE, PROVIDE THE MINIMUM NAIL SIZE AND SPACING OF 8d NAILS AT 6" O.C. AT PANEL EDGES, AT SILL AND SOLE PLATES, AND 12" O.C. AT INTERMEDIATE SUPPORTS.
- PROVIDE 1/4"x3"x3" PLATE WASHERS AT ALL SILL PLATE ANCHOR BOLTS. EACH SHEARWALL LENGTH SHALL HAVE A MINIMUM OF (2) BOLTS. PROVIDE A 1/8" GAP BETWEEN PANELS AT ALL PANEL EDGE JOINTS.
- INSTALL SHEATHING EITHER HORIZONTALLY OR VERTICALLY FOR THE ENTIRE LENGTH OF THE SHEAR WALL PER PLAN. WHERE STUDS ARE SPACED AT 24" O.C. SHEATHING MUST BE INSTALLED PERPENDICULAR TO THE WALL STUDS.
- 8d NAILS SHALL BE 0.131" DIA x 2-1/2" COMMON OR 0.113" DIA x 2-1/2" GALVANIZED BOX. GALVANIZED NAILS SHALL BE HOT DIPPED OR TUMBLED. 10. "E.N." INDICATES EDGE NAILING AT SHEAR WALLS
- 11. "F.N." INDICATES FIELD NAILING AT SHEAR WALLS



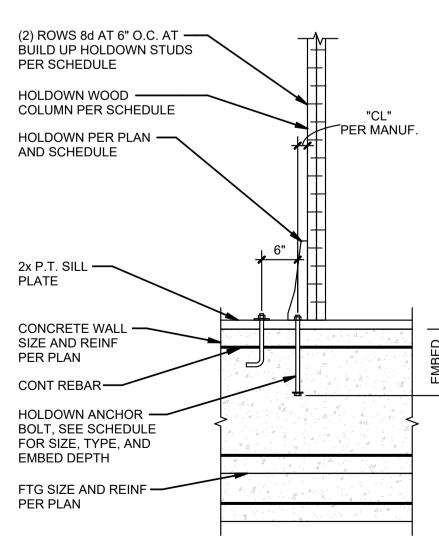
WOOD SHTG NAILING AT JOINT

PLAN VIEW WOOD SHTG ON ONE SIDE

DETAIL A

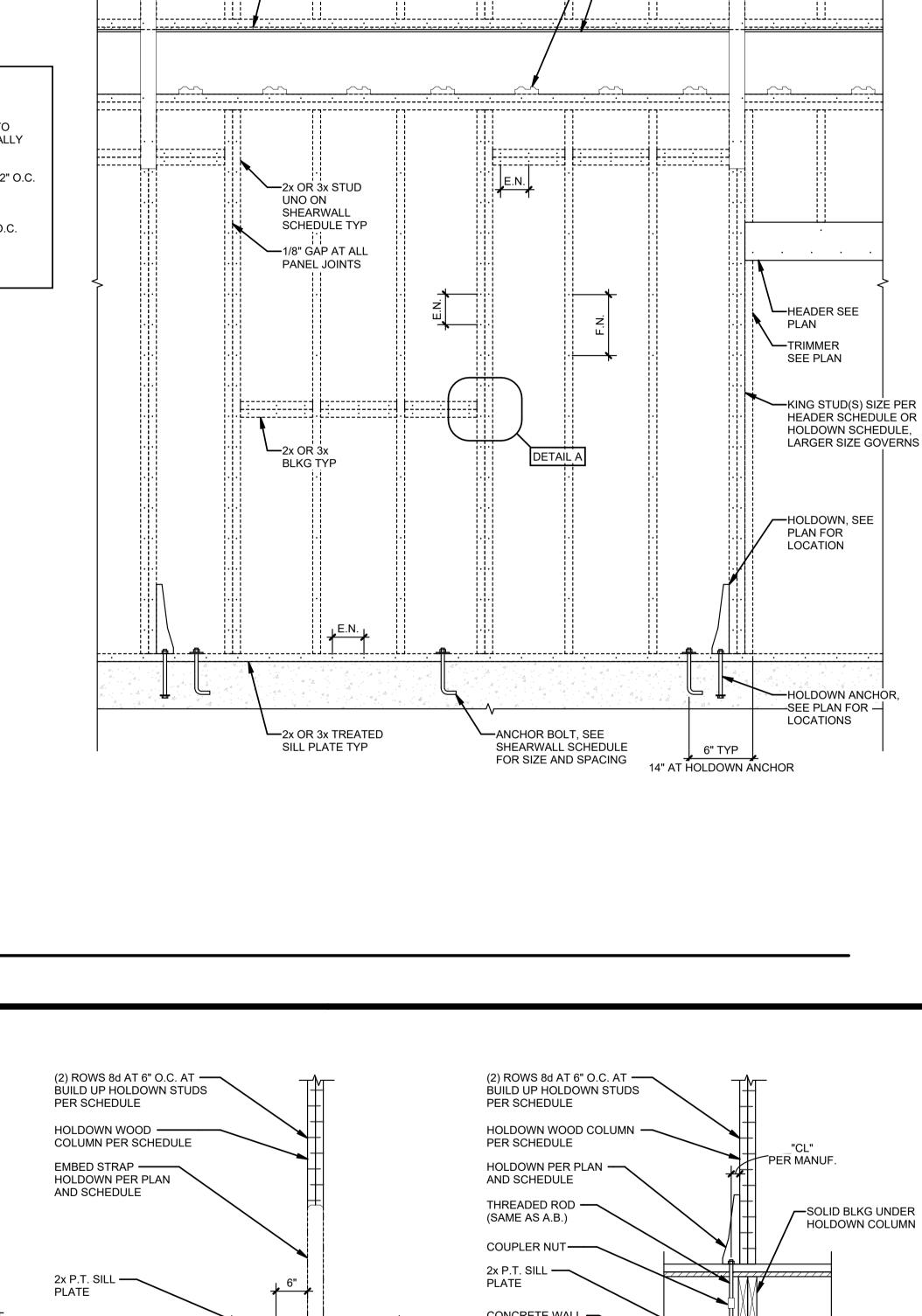
WOOD SHEAR WALL ELEVATION SCALE: NTS

FOUNDATION HOLDOWN SCHEDULE STUD NAILS/SCREWS ANCHOR BOLT STUD/POST MARK TYPE COMMENTS USE 'RJ' (RIM JOIST) VERSION OF STRAP WHERE AF STHD10 (28) 10d (2) 2x NA CRAWL SPACE OCCURS NOTES: HOLDOWNS SHALL BE SIMPSON OR EQUAL WITH ICC APPROVAL. ALL SUBSTITUTES SHALL BE REVIEWED BY THE ENGINEER OF RECORD BEFORE INSTALLATION. COMPARE HOLDOWN STUD/POST (PER HOLDOWN SCHEDULE) TO KING STUD(S) (PER HEADER SCHEDULE). LARGER SIZE GOVERNS. CONTRACTOR TO COORDINATE ANCHOR BOLT PLACEMENT. DEEPEN FOUNDATION AND STEM WALL AT FOOTING WHERE REQUIRED. CONTRACTOR'S OPTION TO USE STRAP HOLDOWN OR SCREW HOLDOWN PER SCHEDULE. STRAP HOLDOWN MUST BE INSTALLED WITH SIMPSON 'SM1' BRACKETS, TYP. STRAP HOLDOWN MAY BE BENT HORIZONTAL THEN VERTICAL, ONE TIME ONLY. ANCHOR BOLT EMBED IS MINIMUM CONCRETE STEM WALL EMBED U.N.O.



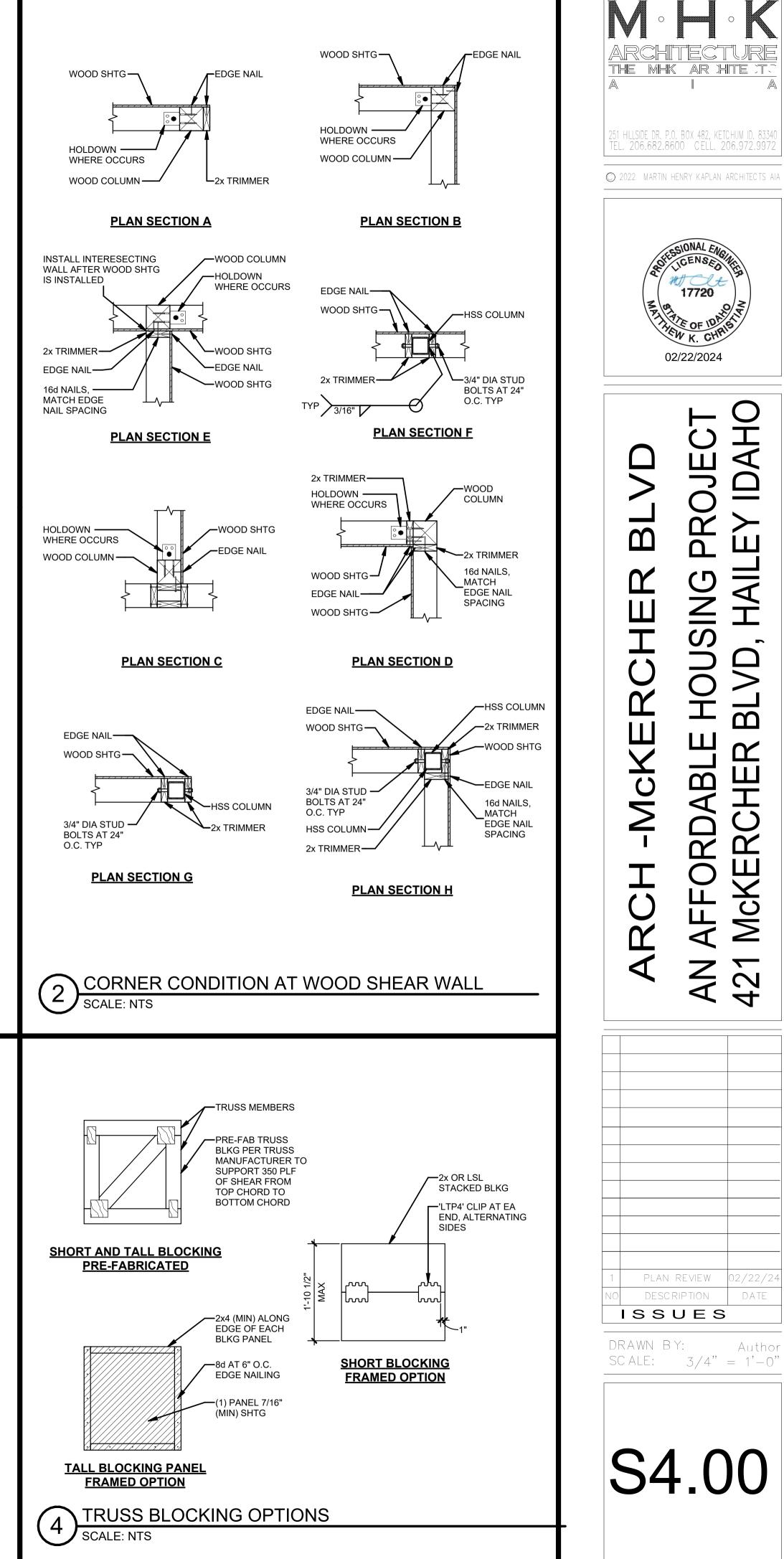
SCREW HOLDOWN

HOLDOWN AT FOUNDATION 3 SCALE: NTS



-ROOF/FLOOR

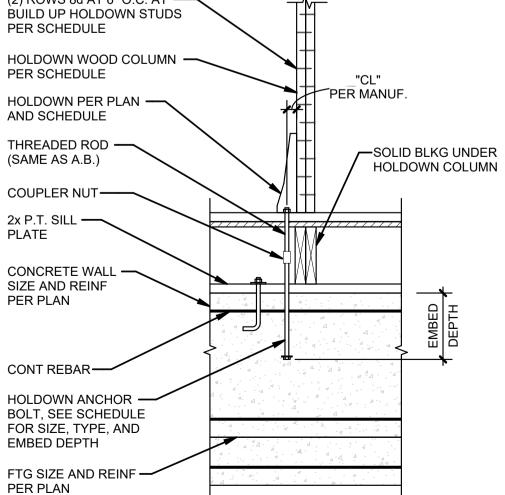
SHTG PER PLAN



MARTIN HENRY KAPLAN

CONCRETE WALL -SIZE AND REINF PER PLAN CONT REBAR HOLDOWN ANCHOR -BOLT, SEE SCHEDULE FOR SIZE, TYPE, AND EMBED DEPTH FTG SIZE AND REINF PER PLAN

STRAP HOLDOWN



BLKG CLIP SPACED

PER SHEAR WALL

SCHEDULE

RIM JOIST

PER PLAN

-HOLDOWN STRAP

SEE PLAN FOR

LOCATIONS

SCREW HOLDOWN AT WOOD FLOOR

WOC MARK W1	D STUD WALL SCH TYPE (1) 2x6 DF-L #2	EDULE SPACING 16" O.C.		TRUSSES/JOISTS THAT BEAN ON TOP PLATE MUST ALIGN OVER EACH STUD WHEN STUD SPACING IS 24" O.C.	4'-0" MIN	N BETWEEN SPLIC DETAIL 2/S4.01
 WOOE ON SH BEAR ALL W SHALL MINIM WALL MINIM WALL CONT WHER PROV IN ARG REQU FURR WHICI FURR COMM AND S THICK FOR C 	AMING NOTES:) STUD WALLS ARE TO BE CONS IEARWALL SCHEDULE. SEE ARC NG WALLS. OOD FRAMING AND SHEATHING BE PRESSURE TREATED. UM (1) ANCHOR BOLT 6" AWAY F INUE POST/BUILT-UP STUD FRANCE IDE SHEATHING ON ENTIRE EXT CH DRAWINGS. THE SHEATHING IRED TO MAINTAIN A COMMON N ING OR BACKING AT ALL INTERIO H ARE ONLY PARTIALLY SHEATHING OR BACKING SHALL BE OF T ION WALL PLANE. COORDINATE SULL DETAILS AS REQUIRED FOR INESS. CONNECTION INFORMATION NOT DULE PER IBC TABLE 2304.10.1.	CH FOR ALL INTERIOR NON- G IN CONTACT WITH CONCRETE FROM EACH CORNER AND END MING DOWN TO FOUNDATION ERIOR OF ALL STUD WALLS, U G THICKNESS SHALL BE AS WALL PLANE, 7/16" MIN. PROVIE OR WOOD STUD WALL SURFAC HED WITH WOOD SHEATHING. T FHICKNESS TO MAINTAIN A AND ADJUST HEADER, JAMB, PROPER OVERALL WALL		MAX OFFSET FOR TRUSS/JOIST ALIGNED OVER STUD 'A35' CLIP AT EACH SIDE OF KING STUD AT OPENINGS WIDER THAN 7'-0", (3) 10d AT ALL OTHER SIZES 2x CRIPPLES TO MATCH STUD SPACING		(2) 16d TOEH TYP (6) 16d END (4) 16d REQ HEADERS L THAN 8" DEI
MARK H1 H2	WOOD HEADER S TYPE (2) 2x8 DF-L #2 (2) 1-3/4" x 9-1/2" 2.0E LVL	TRIM STUD(S) KING STUD(S) (2) 2x (1) 2x (2) 2x (2) 2x		HEADER PER PLAN TRIM STUD(S) PER HEADER SCHEDULE KING STUD(S) SIZE PER		
2. TRIM LOWE	(3) 1-3/4" x 14" 2.0E LVL NOTES: ARE KING STUDS W/ HOLDOWN PANEL EDGE FRAMING. LARGER STUDS MUST EXTEND TO FOUN R FLOORS TO HEADER SCHEDU KING AT FLOOR.	R SIZE GOVERNS DATION. MATCH TRIM STUDS F	DR	HEADER SCHEDULE OR HOLDOWN SCHEDULE. LARGER SIZE GOVERNS, CONNECT STUDS WITH (2) ROWS OF 10d NAILS AT 12" O.C. AT EACH PLY		(2) 10d NAIL EA SIDE

PER IBC TABLE 2304.10.1.

BEAM SCHEDULE						
MARK	ТҮРЕ	COLUMN IN WALL	FREE STANDING COLUMN			
BM1	5-1/2" x 10.5" 24F-V4 DF GLULAM	(3) 2x6 DF-L #2	6x6 DF-1 #1			
BM2	(2) 2x6 DF-L #2	NA	NA			
BM3	(3) 2x6 DF-L #2	(3) 2x6 DF-L #2	NA			

