ABBREVIATIONS

/	Per	L	Length or Live Load
@	At	LB(S)	Pound(s)
		LL	Live Load
AB	Anchor Bolt	LOC(s)	Location(s) or Locate
ADDNL	Additional	Lr	Roof Live Load
AFF	Above Finished Floor	LSL	Laminated Strand Lumber
ALT	Alternate	LVL	Laminated Veneer Lumber
APA	American Plywood Association		
		MAX	Maximum
APPROX	Approximate	MECH	Mechanical
ARCH	Architect or Architectural	MEP	Mech/Elect/Plumb
		MIN	Minimum
B/ or BO	Bottom of	MISC	Miscellaneous
BAL	Balance	MNFR	Manufacturer
BLDG	Building		
BLKG	Blocking	N	North
BM	Beam	NO or #	Number
BN	Boundary Nail		
BOT or B	Bottom	NTS	Not To Scale
BRG	Bearing		
BTWN	Between	OC	On Center
		OH	Opposite Hand
CC	Center to Center		
CL	Centerline	PERP	Perpendicular
CLR	Clear	PLF	Pounds Per Lineal Foot
COL	Column	PSF	Pounds Per Square Foot
CONN	Connection	PSI	Pounds Per Square Inch
CONST	Construction		
CONT	Continue or Continuous	QTY	Quantity
COORD	Coordinate		
CTR(D)	Center(ed)	RE: or REF	Refer to (Reference)
d	Penny	REINF	Reinforce(ing)(d)(ment)
D or DL	Dead Load	REQD	Required
DBL	Double	REQT(s)	Requirement(s)
DIA or Ø	Diameter		
DIAG	Diagonal	S	South
DIM	Dimension	SCHED	Schedule
		SECT	Section
(E)	Existing	SIM	Similar
EA	Each	SL	Snow Load
EE	Each End	SP	Space(s)
EF	Each Face	SP @	Space at
ENGR	Engineer	STD	Standard
EOR	Engineer-of-Record		
EQ	Equal	T	Top
EQ SP	Equally Spaced	T&B	Top and Bottom
EQUIP	Equipment	T/ or T.O	Top of
ES	Each Side	TL	Total Load
EW	Each Way	TRANS	Transverse
		TYP	Typical
FT	Foot or Feet		
FV	Field Verify	ULT	Ultimate
		UNO	Unless Noted Otherwise
GC	General Contractor		
GR	Grade	Vasd	Service Level/ Nominal Design Wind Speed
HORIZ	Horizontal	VERT	Vertical
HT	Height	VIF	Verify in Field
HVAC	Heating-Ventilating and A/C	Vult	Ultimate Design Wind Speed
I.F.	Inside Face	W	Wind Load
IN	Inch	W/	With
		W/O	Without
JST	Joist	WT	Weight
		WxH	Width x Height

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
-	GRID LINES
X / XX	SECTION OR DETAIL CUT; SHEET NUMBER
X / XX	ELEVATION CUT; SHEET NUMBER
XXX'-XX"	ELEVATION CALLOUT
X	DRAWING REVISION NUMBER
	CURRENT REVISION CLOUD
	EXISTING STRUCTURE
(E) TEXT	EXISTING TEXT
X'-XX" *	DIMENSIONS TO EXISTING STRUCTURE, FIELD VERIFY (ASTERIC)
X'-XX"	DIMENSIONS TO NEW STRUCTURE
	EXISTING FRAMING (HALFTONE)

NOTES:
1. ITEMS NOT DESIGNED BY M/M WYOMING ARE SHOWN HALFTONED,
2. ITEMS INCLUDE:
   - EXISTING CONSTRUCTION
   - PERFORMANCE SPECIFIED ITEMS
   - CONSTRUCTION SHORING (TEMPORARY)

STRUCTURAL DRAWING LIST

SHEET NUMBER	SHEET TITLE
2.01	NOTES
2.14	ROOF FRAMING & ATTIC FRAMING
2.40	FRAMING DETAILS

QUALITY ASSURANCE GENERAL NOTES

STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING

1. **GENERAL:**
   A. SCOPE OF WORK
   - THE OWNER WILL ENGAGE A QUALIFIED INSPECTION AND TESTING AGENCY(S) TO PERFORM SPECIAL INSPECTIONS FOR ALL STRUCTURAL MEMBERS AND ASSEMBLIES AS NOTED HEREIN.
   - SPECIAL INSPECTIONS ARE IN ADDITION TO INSPECTIONS BY THE AUTHORITY HAVING JURISDICTION REQUIRED BY IBC 2024 SECTION 110.
   - REFER TO ARCH/MECH/ELEC/CIVIL SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL SPECIAL INSPECTION AND TESTING THAT MAY BE REQUIRED.

   B. SPECIAL INSPECTIONS AND TESTING ARE APPLICABLE TO ALL REVISIONS AND/OR FUTURE WORK ADDED BY AMENDMENTS TO THESE DOCUMENTS.

   C. DEFINITIONS
   - SPECIAL INSPECTOR: THE AGENCY ENGAGED BY THE OWNER AND APPROVED BY THE AUTHORITY HAVING JURISDICTION TO ACT AS THE DESIGNATED REPRESENTATIVE TO PERFORM INSPECTIONS.
   - SPECIAL INSPECTION: INSPECTION PERFORMED BY THE SPECIAL INSPECTOR ACCORDING TO IBC 2024 SECTION 1704 TO ENSURE COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.
   - (P) PERIODIC INSPECTION: THE PART-TIME OR INTERMITTENT OBSERVATION BY THE SPECIAL INSPECTOR OF WORK BEING PERFORMED. SPECIAL INSPECTOR SHALL BE PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. OBSERVATION OF ALL WORK (100% VISUAL) SHALL BE MADE AT THE COMPLETION OF THE WORK.
   - (C) CONTINUOUS INSPECTION: THE FULL-TIME OBSERVATION BY THE SPECIAL INSPECTOR OF WORK BEING PERFORMED. SPECIAL INSPECTOR SHALL BE PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. OBSERVATION OF ALL WORK (100% VISUAL) SHALL BE MADE AT THE COMPLETION OF THE WORK.

   D. DEFICIENCIES IN WORK
   - CORRECT DEFICIENCIES IN WORK THAT TESTS AND INSPECTIONS INDICATE DO NOT COMPLY WITH THE CONTRACT DOCUMENTS AND REFERENCED STANDARDS.
   - ALL COST OF ADDITIONAL TESTING AND/OR INSPECTIONS FOR CORRECTIVE WORK SHALL BE BORNE BY THE CONTRACTOR.

2. **SHOP FABRICATIONS:**
   A. GENERAL
   - PERFORM INSPECTIONS AND TESTING FOR ALL SHOP FABRICATED STRUCTURAL MEMBERS AND ASSEMBLIES AS NOTED HEREIN. SPECIAL INSPECTOR SHALL PERFORM SPECIAL INSPECTIONS AND TESTING UNLESS THE FABRICATOR IS REGISTERED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION OR FABRICATION HAS A CURRENT ICC-ES EVALUATION REPORT.
   - AT THE COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE AUTHORITY HAVING JURISDICTION ACCORDING TO IBC 2024 SECTION 1704.2.5.1.

   B. SHOP FABRICATIONS INCLUDED
   - PRE-FABRICATED WOOD STRUCTURAL ELEMENTS

WOOD SPECIAL INSPECTIONS

ITEM	FREQUENCY	STANDARD	CRITERIA
FRAMING			
- MEMBERS AND CONNECTIONS	P	-	VERIFY SPECIES, GRADE, SIZE, LOCATION, SPACING, END BEARING AND END ATTACHMENT
- BRIDGING AND BLOCKING	P	-	VERIFY INSTALLATION AND LOCATION
- FIELD CUTS AND NOTCHES	P	-	NO CUTS OR NOTCHES PERMITTED UNLESS SPECIFIED ON THE CONSTRUCTION DOCUMENTS
- SPLICING	P	-	NO SPLICING OF STRUCTURAL MEMBERS PERMITTED UNLESS SPECIFIED ON THE CONSTRUCTION DOCUMENTS
- FLOOR/ROOF FRAMING	P	-	VERIFY FRAMING IS ALIGNED OVER A BEARING STUD WITHIN PERMITTED DIMENSION
SHEATHED DIAPHRAGM			
- PANEL SHEATHING	P	-	VERIFY TYPE, THICKNESS, PANEL SIZE AND ORIENTATION
- ATTACHMENT	P	-	VERIFY PANEL SHEATHING BOUNDARY, PANEL EDGE, AND FIELD FASTENERS AND ATTACHMENT AT ALL EDGES OF DIAPHRAGM
CONNECTIONS			
- FASTENER	P	-	VERIFY TYPE, DIAMETER, LENGTH, SPACING, EDGE DISTANCES, AND USE OF WASHERS. VERIFY HOLE DIAMETER FOR BOLTS
- MANUFACTURED WOOD CONNECTORS AND JOIST HANGERS	P	ICC-ES REPORT	VERIFY TYPE, ALL CONNECTOR HOLES FILLED WITH PROPER FASTENERS, AND INSTALLATION IN CONFORMANCE WITH ICC-ES REPORT

WOOD TESTING

ITEM	FREQUENCY	STANDARD	CRITERIA
MOISTURE CONTENT			
- PRESSURE TREATED LUMBER	100%	ASTM D4444 HAND-HELD MOISTURE METER	-
- MEMBERS 5x AND LARGER	100%		
- ALL OTHER MEMBERS	10%		

DEFERRED SUBMITTALS

1) GENERAL:
1A) THE FOLLOWING PORTIONS OF THE STRUCTURAL DESIGN WILL NOT BE SUBMITTED AT THE TIME OF PERMIT APPLICATION. WHEN RECEIVED AND REVIEWED, THESE DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL BY THE CONTRACTOR:
- SHORING
- ANCHORAGE, BRACING AND ATTACHMENT OF REQUIRED ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE SPRINKLER, AND OTHER EQUIPMENT AND SYSTEMS.
- PERMANENT EARTH SHORING SYSTEMS

1B) LOADING AND LOCATION FOR ATTACHMENT OF DEFERRED SUBMITTAL ITEMS ARE NOTED ON DRAWINGS AND ARE NOT TO BE RE-LOCATED OR INCREASED WITHOUT WRITTEN APPROVAL.

1C) SUBMIT STAMPED STRUCTURAL CALCULATIONS FOR ALL DEFERRED SUBMITTAL ITEMS PRIOR TO OR CONCURRENTLY WITH DRAWINGS OR PRODUCT DATA. INCLUDE ANALYSIS OF ATTACHMENT TO PRIMARY STRUCTURE. INCLUDE CURRENT ICC REPORT WITH ALL PROPRIETARY STRUCTURAL ELEMENTS AND ANCHORS/FASTENERS.

WOOD NOTES

1) LAMINATED MEMBER SIZES:
1A) LVL, PSL, LSL AND OTHER FABRICATED MEMBERS (TJI) SIZES SHOWN ARE NET. OTHER MEMBER SIZES ARE NOMINAL.

2) FRAMING LUMBER:
2A) DRY (19% MAXIMUM MOISTURE CONTENT AT THE TIME OF INSTALLATION), HEM-FIR WITH MINIMUM DESIGN VALUES BASED ON THE 2012 NDS. SEE 'FRAMING LUMBER TABLE' FOR MINIMUM GRADES.

2B) BEAMS AND STRINGERS USED WITH CANTILEVERS OR CONTINUOUS SPANS SHALL BE GRADED TO PROVIDE THE SPECIFIED ALLOWABLE STRESSES OVER THE ENTIRE MEMBER LENGTH.

2C) ALL NEW NOMINAL LUMBER SHALL BE CONSIDERED HEM-FIR UNLESS NOTED OTHERWISE.

3) FABRICATED LUMBER:
3A) FABRICATED LUMBER DESIGNATIONS ARE THOSE MANUFACTURED BY WEYERHAEUSER COMPANY.

3B) FABRICATED LUMBER IS DESIGNATED ON THE DRAWINGS AS ONE OF THE FOLLOWING: TJI JOISTS, MICROLLAM (LVL), PARALLAM (PSL), TIMBERSTRAND (LSL) OR RIMBOARD.

3C) THE MANUFACTURER SHALL PROVIDE WEB STIFFENERS ON I-JOISTS, END BLOCKING, BRIDGING, AND ERECTION BRACING AS REQUIRED. SEE "DESIGN CRITERIA" FOR DESIGN DEAD AND LIVE LOADS.

3D) FABRICATED LUMBER SHALL BE DRY.

3E) SEE 'FABRICATED LUMBER TABLE' FOR MINIMUM PROPERTIES (AT NORMAL LOAD DURATIONS).

3F) FABRICATED RIMBOARD SHALL BE LAMINATED STRAND LUMBER.

3G) SEE 'RIMBOARD TABLE' FOR MINIMUM PROPERTIES.

4) BLOCKING AND BRIDGING:
4A) PROVIDE 1" X 4" SIMPSON NC/NCA CROSS-BRIDGING AT 8' O.C. MAXIMUM SPACING FOR ALL SOLID SAWN WOOD JOISTS AND RAFTERS. PROVIDE FULL HEIGHT SOLID BLOCKING (MINIMUM WIDTH TO MATCH WIDTH OF FRAMING) BETWEEN ALL FRAMING MEMBERS (SOLID SAWN JOISTS AND RAFTERS, FABRICATED JOISTS AND RAFTERS AND TRUSSES) AT SUPPORTS.

5) NAILING:
5A) UNLESS NOTED OTHERWISE ON THE DRAWINGS, PROVIDE COMMON NAILS WITH SIZES SHOWN IN THE TYPICAL WOOD MEMBER FASTENING SCHEDULE ON X2.36. MINIMUM NAILING SHALL BE IN ACCORDANCE WITH THE TYPICAL WOOD CONNECTION SCHEDULE AND IBC 2024 TABLE 2304.10.2.

5B) WHERE COMMON NAILS ARE SPECIFIED, BOX NAILS OF EQUAL LENGTH MAY BE SUBSTITUTED PROVIDED ONE BOX NAIL IS ADDED FOR EVERY THREE COMMON NAILS SPECIFIED.

6) METAL CONNECTORS:
6A) FRAMING CONNECTORS SHALL CONFORM TO IBC 2015 SECTIONS 2304.10 AND 2304.11. FRAMING CONNECTOR DESIGNATIONS ARE THOSE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, SAN LEANDRO, CALIFORNIA. OTHER MANUFACTURER'S PRODUCTS MAY BE USED IF APPROVED BY THE ENGINEER. FURNISH NAILS AND/OR BOLTS OF DIAMETER, LENGTH, AND NUMBER SPECIFIED BY THE MANUFACTURER FOR EACH CONNECTOR.

6B) ALL CONNECTOR HOLES SHALL BE FILLED WITH PROPER NAILS/BOLTS INCLUDING OPTIONAL NAIL LOCATIONS FOR UPLIFT. ALL BOLT HOLES SHALL BE DRILLED INTO FRAMING MEMBERS. MAXIMUM HOLE DIAMETER IS 1/16" LARGER THAN THE BOLT DIAMETER.

7) OPENINGS:
7A) OPENING, POCKETS, ETC., SHALL NOT BE PLACED IN BEAMS, JOISTS, RAFTERS, STUDS, POSTS, COLUMNS, TIMBER AND OTHER STRUCTURAL MEMBERS UNLESS DETAILED ON THE STRUCTURAL DRAWINGS.

FRAMING LUMBER SCHEDULE

TYPE OF USE	GRADE	Fb (PSI)	Fv (PSI)	E (PSI)	REMARKS
LOAD BEARING STUDS (AND COLUMNS ASSEMBLED FROM STUDS)	NO. 2	850	150	1,300,000	UNLESS NOTED OTHERWISE IN THE WOOD AND COLUMN SCHEDULE
NON-LOAD BEARING STUDS	STUD	675	150	1,200,000	-
FLOOR-JOIST	NO. 2	850	150	1,300,000	-
ROOF JOIST & RAFTERS	NO. 2	850	150	1,300,000	-
DECKING	SELECT DX				-
ALL OTHER	NO. 1	975	150	1,500,000	-

FABRICATED LUMBER TABLE

PRODUCT	SIZE	TYPE	Fb (PSI)	Fv (PSI)	Ft (PSI)	E (KSI)	REMARKS
PARALLEL STRAND BEAM	--	PSL	2900	290	2025	2200	-
LAMINATED STRAND BEAM	--	LSL	2325	310	1070	1550	--
LAMINATED VENEER BEAM	--	LVL	2600	285	1555	2000	--

FABRICATED RIMBOARD TABLE

t(IN)	H(LB/FT) d ≤ 24"	W (LB/FT) d ≤ 16" / 16"< d ≤ 24"	Z (LB) d ≤ 24"	P (LB) d ≤ 24"
1	180	3300/1650	300	3500
1 1/8	180	4400/3000	350	3500

GENERAL NOTES

1) GENERAL:
1A) ENGINEER: REFERENCES ON THE STRUCTURAL DRAWINGS TO 'ENGINEER' MEAN THE STRUCTURAL ENGINEER OF RECORD. OTHER ENTITIES ARE SPECIFICALLY NOTED AS "CONTRACTOR'S ENGINEER", "MECHANICAL ENGINEER", ETC.

1B) THESE NOTES SUPPLEMENT THE SPECIFICATIONS, WHICH SHALL BE REFERENCED FOR ADDITIONAL REQUIREMENTS.

1C) UNDERGROUND UTILITIES: LOCATE EXISTING UTILITIES AND NOTIFY ARCHITECT OF EXISTING UTILITIES OR SUBGRADE CONDITIONS WHICH INTERFERE WITH WORK.

1D) STRUCTURAL ELEMENTS ARE CENTERED ON GRID LINES AND GRID LINE INTERSECTIONS UNLESS DIMENSIONED OTHERWISE.

2) EXISTING STRUCTURES:
2A) CONTRACT DOCUMENTS HAVE BEEN PREPARED USING AVAILABLE DRAWINGS AND SITE OBSERVATION AS PERMITTED BY ACCESS RESTRICTIONS DURING DESIGN.

2B) DURING CONSTRUCTION, THE CONTRACTOR MAY ENCOUNTER EXISTING CONDITIONS WHICH ARE NOT NOW KNOWN OR ARE AT VARIANCE WITH PROJECT DOCUMENTATION. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL CONDITIONS NOT PER THE CONTRACT DOCUMENTS. EXAMPLES INCLUDE:
- SIZES OR DIMENSIONS OTHER THAN THOSE SHOWN
- DAMAGE OR DETERIORATION TO MATERIALS AND COMPONENTS
- CONDITIONS OF INSTABILITY OR LACK OF SUPPORT
- ITEMS NOTED AS EXISTING ON THE DRAWINGS BUT NOT FOUND IN THE FIELD

2C) PREPARE DIMENSIONAL DRAWINGS OF ALL DISCOVERED ITEMS.

2D) CONTRACTOR SHALL FIELD VERIFY ALL EXISTING STRUCTURAL CONDITIONS PRIOR TO SUBMITTING SHOP DRAWINGS.

2E) CONTRACTOR SHALL MAKE ALLOWANCE FOR THE RESOLUTION OF SUCH DISCOVERIES IN THE CONSTRUCTION SCHEDULE.

2F) SUBMIT A DIMENSIONED DRAWING OF ALL NEW OPENINGS THROUGH EXISTING STRUCTURE AND SECURE APPROVAL PRIOR TO CUTTING. DRAWING SHALL SHOW VERTICAL & HORIZONTAL LOCATION AND SIZE OF PROPOSED OPENING.

3) USE OF DRAWINGS:
3A) DO NOT SCALE DRAWINGS.

3B) WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. DETAILS NOTED TYPICAL APPLY TO ALL SIMILAR CONDITIONS. WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ELSEWHERE ON THE PROJECT.

4) TEMPORARY CONDITIONS:
4A) THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.

4B) TEMPORARY SHORING LOADS ARE BASED ON ESTIMATED SELF WEIGHTS OF 10 PSF, CONSTRUCTION LIVE LOADS OF 20 PSF, AND GROUND SNOW LOADS OF 30 PSF. IF THESE LOADS ARE EXCEEDED, SHORING SHALL BE DESIGNED TO ACCOMODATE ACCORDINGLY.

5) SUBMITTALS AND SUBSTITUTIONS:
5A) SUBMITTALS: REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.
- IF THE CONTRACTOR REQUESTS A CHANGE FROM THE STRUCTURAL DRAWINGS, IT SHALL BE APPROVED BY THE ARCHITECT AND DESIGNED BY MARTIN/MARTIN WYOMING, INC. PRIOR TO SUBMITTING SHOP DRAWINGS. VARIATION SHALL BE INDICATED ON THE SHOP DRAWINGS. CONTRACTOR SHALL COMPENSATE MARTIN/MARTIN WYOMING, INC. FOR MAKING THE CHANGE.
- CONSTRUCTION DOCUMENTS SHALL NOT BE REPRODUCED FOR USE IN SUBMITTALS
- ALL SHOP DRAWINGS SHALL REFERENCE THE STRUCTURAL DRAWING NUMBER AND DETAIL USED TO PREPARE THE SUBMITTAL.

5B) SUBSTITUTIONS: ARCHITECTS APPROVAL SHALL BE SECURED FOR ALL SUBSTITUTIONS

5C) NONCONFORMANCE: NOTIFY ARCHITECT OF CONDITIONS NOT CONSTRUCTED PER THE CONTRACT DOCUMENTS PRIOR TO PROCEEDING WITH CORRECTIVE WORK. SUBMIT PROPOSED REPAIR TO THE ARCHITECT FOR ACCEPTANCE. CONTRACTOR SHALL COMPENSATE MARTIN/MARTIN WYOMING, INC. FOR DESIGNING THE REPAIR.

5D) ALL SHOP DRAWINGS SHALL BE SUBMITTED IN ELECTRONIC FORMAT ONLY.

6) OSHA STANDARDS:
6A) THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. NOTHING SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE CONSTRUED AS ELIMINATING THE NEED FOR THE CONTRACTOR TO COMPLY WITH ALL OSHA REQUIREMENTS.

6B) WHERE THE STRUCTURAL DRAWINGS APPEAR TO CONFLICT WITH OSHA REQUIREMENTS, THE STRUCTURAL DRAWINGS REPRESENT FINAL CONDITIONS ONLY. THE CONTRACTOR SHALL ADD ALL ERECTION FRAMING NECESSARY TO COMPLY WITH OSHA.

7) CONSTRUCTION ENGINEERING:
7A) THE STRUCTURE DEFINED ON THE CONTRACT DOCUMENTS HAS BEEN DESIGNED ONLY FOR LOADS ANTICIPATED ON THE STRUCTURE DURING ITS SERVICE LIFE. PROVIDE ALL REQUIRED ENGINEERING AND OTHER MEASURES TO ACHIEVE THE MEANS, METHODS, AND SEQUENCES OF WORK. SUCH ENGINEERING MAY INCLUDE, BUT IS NOT LIMITED TO:
- LAYOUT
- DESIGN FOR FORMWORK, SHORING, AND RESHORING
- SURVEYING TO VERIFY CONSTRUCTION TOLERANCES
- EVALUATION OF TEMPORARY CONSTRUCTION LOADS ON STRUCTURE DUE TO EQUIPMENT AND MATERIALS
- STRUCTURAL ENGINEERING TO RESIST ANY OTHER LOADS NOT IDENTIFIED ON DESIGN DRAWINGS

8) COORDINATION:
8A) STRUCTURAL DRAWINGS ARE NOT STAND-ALONE DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND DRAWINGS FROM OTHER DISCIPLINES. THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS INTO SHOP DRAWINGS AND WORK.

8B) COORDINATE DIMENSIONS OF ALL OPENINGS, BLOCKOUTS, DEPRESSIONS, ETC., WITH ARCHITECTURAL DRAWINGS, DRAWINGS FROM OTHER DISCIPLINES, AND FIELD CONDITIONS PRIOR TO SHOP DRAWING SUBMITTAL.

DESIGN CRITERIA

1) CODES AND STANDARDS:
1A) GENERAL DESIGN
- INTERNATIONAL BUILDING CODE 2024

1B) LOADS
- ASCE/SEI 7-22 "MINIMUM DESIGN LOAD FOR BUILDINGS AND OTHER STRUCTURES" WHERE INDICATED ON DRAWINGS INDIVIDUAL UNFACTORED LOAD COMPONENTS (D, Di, L, Lr, R, S, H, F, Fa, E, W, Wi, T) ARE AS DEFINED AND DETERMINED BY THE BUILDING CODES AND STANDARDS INDICATED. LOAD COMPONENTS SHALL BE COMBINED USING THE LOAD COMBINATIONS OF THE BUILDING CODE FOR SPECIALTY DESIGN BY OTHERS.

1C) WOOD
-ANSI/AWC NDS-2024 "NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION - WITH 2018 NDS SUPPLEMENT"

2) SEISMIC LOADS
- SEISMIC DESIGN CATEGORY = B
- RISK CATEGORY = II
- EARTHQUAKE IMPORTANCE FACTOR, I_e = 1.00
- MAPPED SPECTRAL RESPONSE ACCELERATION, S_s = 17.80 %g
- MAPPED SPECTRAL RESPONSE ACCELERATION, S_1 = 7.40 %g
- DESIGN SPECTRAL RESPONSE COEFFICIENT, S_{Ds} = 0.190
- DESIGN SPECTRAL RESPONSE COEFFICIENT, S_{D1} = 0.118
- SOIL SITE CLASS = D

3) GRAVITY LOADS
3A) ATTIC LOADING DESIGNED FOR 20 PSF; NOT TO BE USED FOR STORAGE.

Professional Engineer (Structural)
AMANDA N. MILLER
12591
Date 6/30/2025
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PROJECT NUMBER
25-016

DATE
6/30/2025

DRAWN
MMW

DISK

SHEET TITLE
NOTES

SHEET NUMBER
2.01