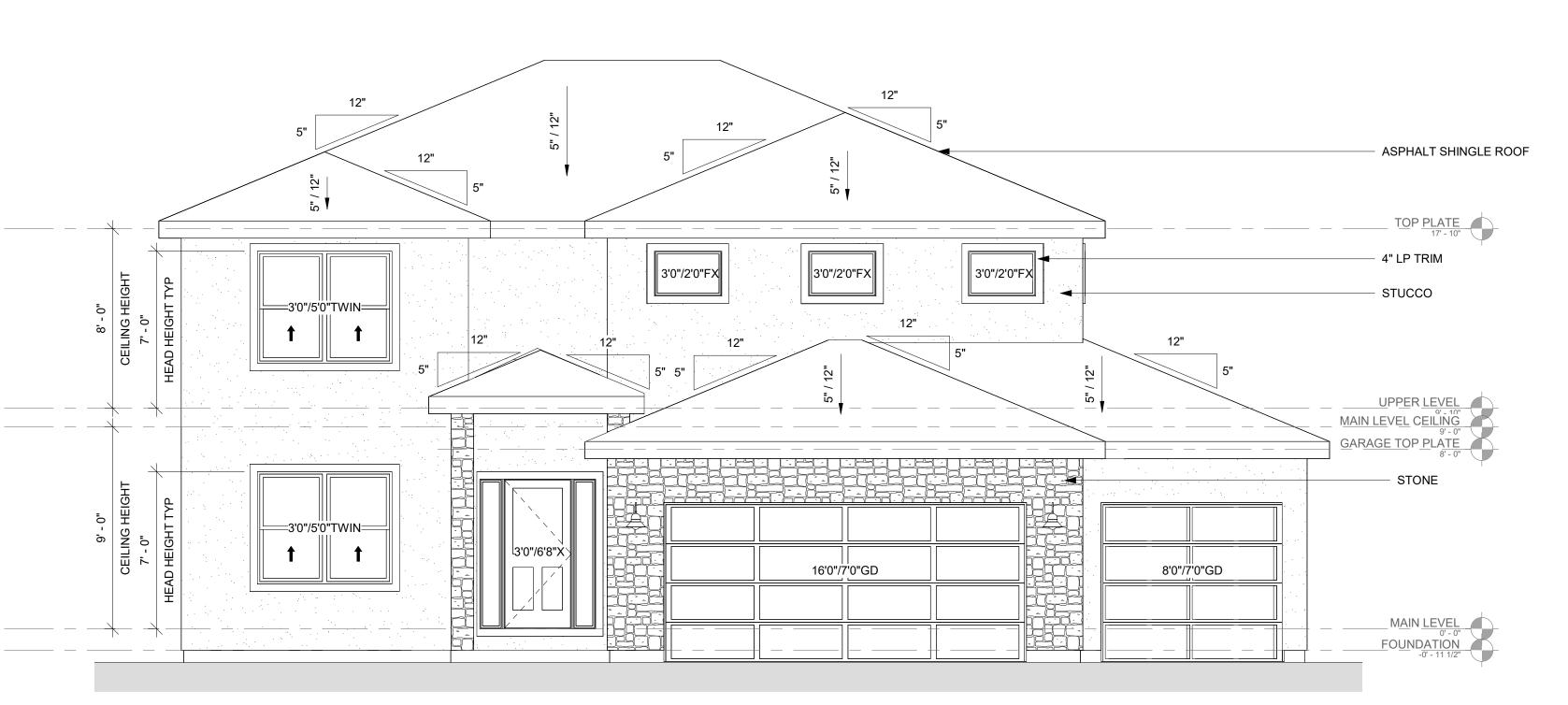
### ELEVATION NOTES

GRADE IS APPROXIMATE AND SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY SITE CONDITIONS.



2 C - FRONT - MODERN PRAIRIE 3RD BAY 1/4" = 1'-0"

**RELEASE FOR CONSTRUCTION** MAIN **AS NOTED ON PLANS REVIEW** UPPE **DEVELOPMENT SERVICES** LEE'S SUMMIT, MISSOURI OPT LC 05/23/2024 8:49:10

ALL THIRD PARTY INSPECTIONS MUST BE PERFORMED BY THE ENGINEER OF RECORD (EOR). THIRD PARTY INSPECTION INCLUDE BUT ARE NOT LIMITED TO INSPECTIONS OF THE BEARING SOIL, FOOTINGS, PIERS, FOUNDATIONS, STRUCTURAL / SUSPENDED SLABS, RETAINING WALLS BACKFILL AND REINFORCEMENT), LUMBER FRAMED CONTRACTIBILITY ISSUES, AND STRUCTURAL ITEMS IDENTIFIED BY THE LOCAL CODE INSPECTOR.

EVERSTEAD MUST BE NOTIFIED OF ANY AND ALL POTENTIAL DISPUTES, CLAIMS, ARBITRATION AND/OR LITIGATION THAT THE OWNER MAY PURSUE AGAINST THE CONTRACTOR AND/OR BUILDER. FAILURE TO NOTIFY EVERSTEAD AND ALLOW THE EOR TO PROVIDE THEIR OPINION ON ANY DISPUTE, CLAIM, ARBITRATION AND/OR LITIGATION PERTAINING TO ANY STRUCTURAL ASPECT OF THE PROJECT SHALL ABSOLVE EVERSTEAD OF ALL RESPONSIBILITY.

	TABLE OF CONTENTS C
SHEET NUMBER	SHEET NAME
NOMBER	OTTEL TO WE
0-CV C	COVER
G101	LOWER LEVEL / FOUNDATION PLAN
G102	MAIN LEVEL PLAN
G103	UPPER LEVEL PLAN
G104	LIGHTING/OUTLET LOCATIONS
G105 C	ROOF PLAN
G200 C	DESIGN ELEVATIONS
S000	STRUCTURAL GENERAL NOTES
S501	FOUNDATION DETAILS
S503	GARAGE/SLAB DETAILS
S510	FRAMING STANDARDS
S511	FRAMING STANDARDS
S520	DECK DETAILS
S530	BRACING DETAILS
S550	FASTENING SCHEDULE
S560	EGRESS WINDOWS

BUILDING SQUARE FOOTAGE (SQFT)		
	4457	
MAIN LEVEL CONDITIONED SPACE TOTAL	1157	
UPPER LEVEL CONDITIONED SPACE TOTAL	1294	
CONDITIONED SPACE TOTAL (SQ FT)	2451	
OPT LOWER LEVEL CONDITIONED SPACE TOTAL	758	
LOWER LEVEL UNCONDITIONED SPACE TOTAL	1078	
GARAGE TOTAL	456	
UNCONDITIONED SPACE TOTAL (SQ FT)	1534	
OPT LOWER LEVEL UNCONDITIONED SPACE TOTAL	320	

EVERSTEAD HAS PRODUCED THIS PLAN SET FOR THE CLIENT LISTED IN ACCORDANCE WITH THE 2018 INTERNATIONAL RESIDENTIAL CODE FOR THE PROJECT AT THE ADDRESS LISTED ON THE PLANS. USE OF ANY PART OF THIS PLAN SET TO DEMOLISH, CONSTRUCT OR BUILD IN ANY MANNER ON PROPERTY OTHER THAN THE LISTED ADDRESS IS PROHIBITED WITHOUT WRITTEN CONSENT FROM EVERSTEAD.

AVITAL HOMES (816)914-7	ΉE
EXCLUSIVE PROPERTY OF AVITAL HOMES AND S NOT BE COPIED OR REPRODUCED IN WHOLE OF PART WITHOUT ITS PRIOR WRITTEN CONSER INCLUSION OF A STATEMENT OF A STATEME	DR IN NT.
EVERSTEAD 3741 NE TROON DRIVE, SUITE 200 LEE'S SUMMIT, MO 64064 EVERSTEAD.COM (816)399-490	01
AVITAL HOMES BROOKSIDE - MODERN PRAIRIE 1809 SW HIGHTOWN DR LEES SUMMIT, MO 64082	
REVISIONS 1 - 04/12/2024	
COVER	
0-CV C	

As indicated

#### **GENERAL PLAN NOTES**

- ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL 1 RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APPLICABLE.
- ALL DIMENSIONS ARE FROM FACE OF STUD U.N.O.
- MINIMUM DOUBLE JOIST UNDER INTERIOR NON-LOAD BEARING WALLS. CANTILEVERS, OVER BEAMS, AND DOOR JAMBS SHALL BE BLOCKED.
- CEILING JOISTS SHALL BE 2x6 @ 16" O.C. U.N.O. WALL CONSTRUCTION SHALL BE CAPABLE OF ACCOMMODATING ALL
- LOADS IMPOSED ACCORDING TO IRC R301.
- EXTERIOR WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH IRC 602 & FIGURES R602.3(1) AND R602.3(2).
- ANY WOOD MEMBERS IN CONTACT WITH CONCRETE OR MASONRY (OR 8. THE FURRING THEY ARE ATTACHED TO) SHALL BE OF DECAY RESISTANT
- MATERIAL INTERIOR NON-LOAD BEARING WALLS SHALL BE ISOLATED FROM THE FLOOR FRAMING ABOVE UNLESS THE INTERIOR NON-LOAD BEARING
- WALL RESTS DIRECTLY ON A FOOTING. SOLID BLOCKING BETWEEN JOISTS AT 48" O.C. AND EXTEND BLOCKING 10.
- ONE JOIST BAY PAST EACH SIDE OF KITCHEN ISLAND DOUBLE JOIST UNDER KITCHEN ISLAND AND TUBS 11.
- 12. ALL JOIST HANGERS TO BE SIMPSON LUS HANGERS UNO

INTERIOR LOAD BEARING WALL

# FOUNDATION NOTES:

- ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE (IRC). FOOTING ELEVATION TO BE DETERMINED BASED ON FINAL GRADE: ALL FOOTINGS MEET OR EXCEED MINIMUM FROST DEPTH OF 36".
- SOIL BEARING CAPACITY SHALL BE MINIMUM 1500 PSF.
- REFER TO SHEET S000 FOR MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE. REQUIRED AIR ENTRAINMENT SHALL BE 5-7% AS SPECIFIED IN IRC TABLE R402.2.
- FOUNDATION WALLS SHALL BE DAMPPROOFED PER IRC R406.
- FOUNDATION DRAINAGE WILL BE IN ACCORDANCE WITH IRC R405. ALL INTERIOR FOOTINGS OF LOAD BEARING WALLS AND COLUMNS SHALL BE ISOLATED FROM THE
- BASEMENT FLOOR SLAB.
- STEEL COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40. ALL ANCHOR BOLTS SHALL NOT BE SPACED MORE THAN 3' O.C. AND BE EMBEDDED INTO THE CONCRETE A 10. MINIMUM OF 7".
- BASEMENT EGRESS SHALL COMPLY WITH IRC R310. 11. FOR NEW CONSTRUCTION, AN ACCESSIBLE CONNECTION POINT TO BE PROVIDED TO A 20 FOOT CONCRETE 12. ENCASED ELECTRODE (FOOTING REBAR) FOR THE ELECTRICAL SERVICE GROUNDING ELECTRODE
- CONDUCTOR (UFER GROUND). 13. SLAB ON GROUND SHALL BE CONTINUOUSLY SUPPORTED ON UNDISTURBED SOIL OR WITH FILL AND BASE AS DESCRIBED:
  - FILL THE FILL SHALL BE COMPACTED TO PROVIDE UNIFORM SUPPORT OF THE SLAB AND SHALL NOT CONTAIN DELETERIOUS QUANTITIES OF ORGANIC OR FOREIGN MATERIAL. FILL DEPTHS SHALL NOT EXCEED 24" FOR CLEAN SAND OR GRAVEL AND 8" FOR SUITABLE SOILS, UNLESS APPROVED BY THE BUILDING OFFICIAL.
  - BASE A 4" THICK BASE COURSE CONSISTING OF CLEAN GRADED SAND, GRAVEL, CRUSHED STONE, В. CRUSHED SLAG, OR RECYCLED CONCRETE PASSING A 2" SIEVE SHALL BE PLACED ON THE PREPARED SUBGRADE WHEN THE SLAB IS BELOW GRADE.

ISOLATED FOOTINGS AND COLUMN PADS							
SYM	PIER PAD SIZE	DEPTH	MINIMUM REINFORCEMENT GRADE 40 KSI STEEL	SCHEDULE 40 STEEL COLUMN, MIN FY = 35 KSI			
	30"x30"	1'-0"	(5) #4 BAR E.W.	3" DIAMETER			
B	36"x36"	1'-0"	(6) #4 BAR E.W.	3" DIAMETER			
Ċ	42"x42"	1'-2"	(7) #4 BAR E.W.	3" DIAMETER			
	48"x48"	1'-4"	(8) #4 BAR E.W.	3" DIAMETER			
E	54"x54"	1'-4"	(9) #4 BAR E.W.	3.5" DIAMETER			
F	60"x60"	1'-6"	(10) #4 BAR E.W.	3.5" DIAMETER			

#### ISOLATED FOOTINGS AND COLUMN PADS

SYM	PIER DIAMETER	DEPTH	MINIMUM REINFORCEMENT GRADE 40 KSI STEEL
G	12"	3'-0"	(4) VERTICAL #4
H	16"	3'-0"	(4) VERTICAL #4
	18"	3'-0"	(4) VERTICAL #4
K	24"	3'-0"	(4) VERTICAL #4
Ĺ	28"	3'-0"	(4) VERTICAL #4

**CONSTRUCTION NOTES - NEW CONSTRUCTION** 

- ALL INTERIOR WALL DIMENSIONS ARE MEASURED TO THE INSIDE FACE OF STUD
- U.N.O. ALL EXTERIOR WALL DIMENSIONS ARE MEASURED TO THE OUTSIDE FACE OF STUD
- U.N.O. ALL STRUCTURAL BEAMS ARE MEASURED TO
- THE CENTER OF THE MEMBER. NEW DOORS AND WINDOWS ARE TAGGED IN
- FEET AND INCHES.
- ALL CRITICAL DIMENSIONS TO BE FIELD VERIFIED BY CONTRACTOR.
- ALL TOILETS TO BE INSTALLED WITH A MINIMUM OF 15" O.C. CLEARANCE ON EACH SIDE OF TOILET.
- ALL TOILETS TO HAVE 21" CLEARANCE AT FRONT OF TOILET.
- ALL SINKS TO HAVE 21" CLEARANCE AT FRONT
- OF SINK. ALL SHOWERS TO HAVE 24" CLEARANCE AT OPENING.

COLUMN AND PAD SIZES ARE FOR A MAXIMUM COLUMN HEIGHT OF 10'. COLUMNS GREATER THAN 10' REQUIRE A SEPARATE ENGINEERED DESIGN. FOOTINGS A-F SPACING OF 6" O.C. WITH 3" CLEAR COVER.

\*DENOTES STEEL COLUMN NOT REQUIRED

FOUNDATION WALL AND FOOTING TABLE (3000 PSI CONCRETE AND 40 KSI REBAR PLACED 2" FROM INSIDE TENSION FACE)

		FROM INSIDE LENSIC	N FACE)	
WALL TYPE	NOMINAL WALL THICKNESS	VERTICAL SPACING AND SIZE	HORIZONTAL SPACING AND SIZE	FOOTING SPECIFICATION U.N.O. ON PLANS
3'-6" TRENCH FOOTING	16"	#4 BARS @18" O.C.	(2) #4 BARS TOP & BOT. CONT.	
< 6'-0" WALL		#4 BARS @36" O.C.		16" x 8" CONC. FTG. W/
8'-0" WALL	8"	#4 BARS @16" O.C.	#4 BARS @ 24" O.C.	(2) #4 BARS CONT.
9'-0" WALL		#4 BARS @12" O.C.		

IRC TABLE N1102.1.2 (R402.1.2) INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT (PARTIAL) AND ENERGY CONSERVATION CODE COMPLIANCE

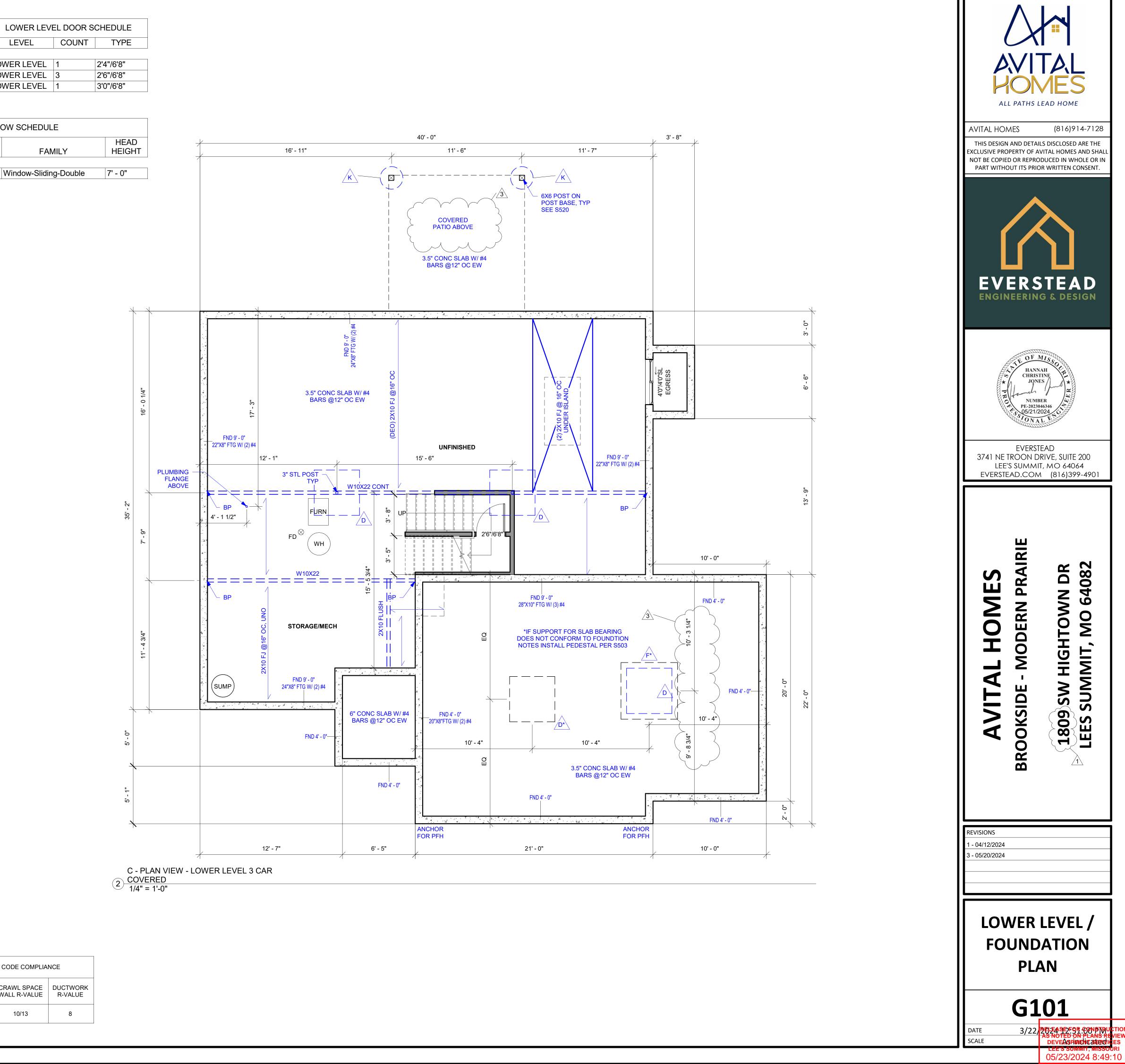
CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING AND ATTICS R-VALUE	VAULTS R-VALUE	WOOD FRAME WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE & DEPTH	CRAWL SPACE WALL R-VALUE	DUCT\ R-VA
4 EXCEPT MARINE	.32	.55	.40	49	49	20 OR 13+5H	19	10/13	10, 2 FT	10/13	8

FOUNDATION WALL
NEW INTERIOR PARTITION
NEW EXTERIOR WALL

LEVEL

LOWER LEVEL	1
LOWER LEVEL	3
LOWER LEVEL	1

	LOWE	R LEVEL WIND	OW SCHEDULE
LEVEL	COUNT	TYPE	FAMILY
LOWER LEVEL	1	4'0"/4'0"SL	Window-Sliding-Dou



#### **GENERAL PLAN NOTES**

- ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APPLICABLE.
- ALL DIMENSIONS ARE FROM FACE OF STUD U.N.O. MINIMUM DOUBLE JOIST UNDER INTERIOR NON-LOAD BEARING WALLS.
- CANTILEVERS, OVER BEAMS, AND DOOR JAMBS SHALL BE BLOCKED.
- CEILING JOISTS SHALL BE 2x6 @ 16" O.C. U.N.O. WALL CONSTRUCTION SHALL BE CAPABLE OF ACCOMMODATING ALL
- LOADS IMPOSED ACCORDING TO IRC R301.
- EXTERIOR WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH IRC 602 & FIGURES R602.3(1) AND R602.3(2).
- ANY WOOD MEMBERS IN CONTACT WITH CONCRETE OR MASONRY (OR THE FURRING THEY ARE ATTACHED TO) SHALL BE OF DECAY RESISTANT
- MATERIAL. INTERIOR NON-LOAD BEARING WALLS SHALL BE ISOLATED FROM THE 9. FLOOR FRAMING ABOVE UNLESS THE INTERIOR NON-LOAD BEARING WALL RESTS DIRECTLY ON A FOOTING.
- SOLID BLOCKING BETWEEN JOISTS AT 48" O.C. AND EXTEND BLOCKING 10. ONE JOIST BAY PAST EACH SIDE OF KITCHEN ISLAND
- DOUBLE JOIST UNDER KITCHEN ISLAND AND TUBS 11 12. ALL JOIST HANGERS TO BE SIMPSON LUS HANGERS UNO

INTERIOR LOAD BEARING WALL

#### WALL BRACING NOTES:

- WALL BRACING IS DESIGNED IN ACCORDANCE WITH IRC R602.10 BRACING METHODS SHALL BE PER PLAN AND SHALL BE
- CONSTRUCTED IN CONFORMANCE WITH 2018 IRC R602.10.4 AND R602.10.5 FOR METHOD CS-WSP STRUCTURAL PANEL SHEATHING SHALL BE INSTALLED ON ALL SHEATHABLE SURFACES ON ONE SIDE OF THE BRACED WALL LINE
- INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS. END CONDITIONS SHALL MEET THE REQUIREMENTS OF R602.10.7 AND DETAIL 9-S400. 4 ALL HORIZONTAL PANEL JOINTS SHALL OCCUR OVER AND BE NAILED TO COMMON FRAMING OR BLOCKING WITH AN
- APPROPRIATE PANEL EDGE-NAILING SCHEDULE IN ACCORDANCE WITH IRC R602.10.4.4 INTERIOR FINISH OF EXTERIOR WALLS SHALL BE MINIMUM 1/2"
- GYPSUM BOARD INSTALLED ON THE INTERIOR SIDE.

#### BRACING METHODS

	BRACING CS-PF PER IRC R602.10.6.4
	BRACING CS-WSP PER IRC R602.10
<u>E222222222</u>	BRACING WSP PER IRC R602.10 (INCLUDES PARTIAL PANELS PER IRC R602.10.5.2)
(1777)	BRACING LIB PER IRC R602.10 MINIMUM LIB LENGTH PER 2018 IRC TABLE R602.10.5: • 55" - 8' TALL WALL HEIGHT • 62" - 9' TALL WALL HEIGHT • 69" - 10' TALL WALL HEIGHT

BRACING PFH PER IRC R602.10.6.2

#### **CONSTRUCTION NOTES - NEW CONSTRUCTION**

- ALL INTERIOR WALL DIMENSIONS ARE MEASURED TO THE INSIDE FACE OF STUD
- U.N.O. ALL EXTERIOR WALL DIMENSIONS ARE
- 2. MEASURED TO THE OUTSIDE FACE OF STUD
- U.N.O. ALL STRUCTURAL BEAMS ARE MEASURED TO
- THE CENTER OF THE MEMBER.
- NEW DOORS AND WINDOWS ARE TAGGED IN FEET AND INCHES.
- ALL CRITICAL DIMENSIONS TO BE FIELD VERIFIED BY CONTRACTOR.
- ALL TOILETS TO BE INSTALLED WITH A MINIMUM OF 15" O.C. CLEARANCE ON EACH SIDE OF
- TOILET. ALL TOILETS TO HAVE 21" CLEARANCE AT
- FRONT OF TOILET.
- ALL SINKS TO HAVE 21" CLEARANCE AT FRONT OF SINK.
- ALL SHOWERS TO HAVE 24" CLEARANCE AT 9. OPENING.

# WALL LEGEND - NEW CONSTRUCTION

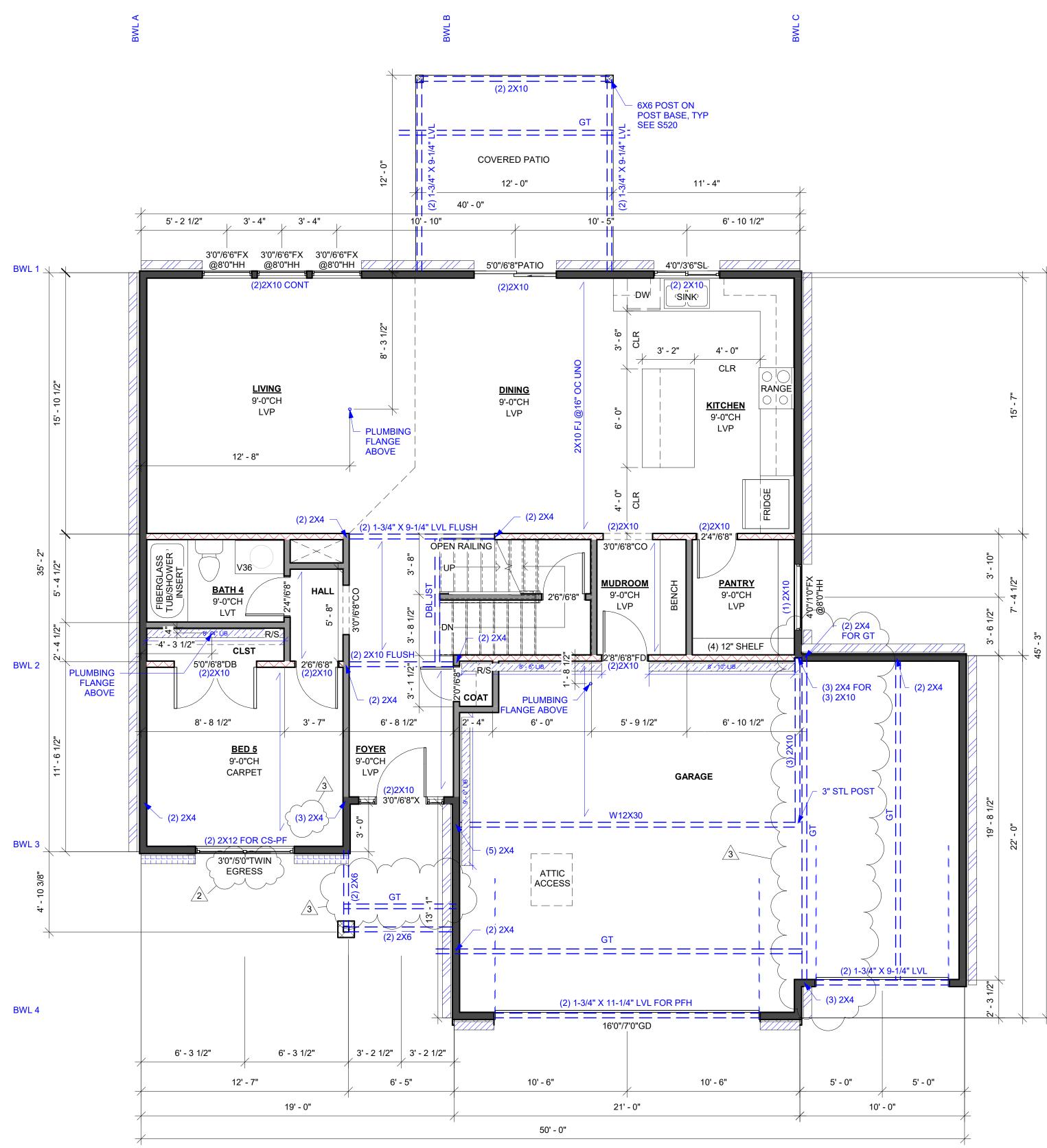
4	FOUNDATION WALL	
	NEW INTERIOR PARTITION	
	NEW EXTERIOR WALL	

MAIN LEVEL DOOR SCHEDULE						
LEVEL	COUNT	TYPE				
MAIN LEVEL	1	2'0"/6'8"				
MAIN LEVEL	2	2'4"/6'8"				
MAIN LEVEL	2	2'6"/6'8"				
MAIN LEVEL	1	2'8"/6'8"FD				
MAIN LEVEL	2	3'0"/6'8"CO				
MAIN LEVEL	1	3'0"/6'8"X				
MAIN LEVEL	1	5'0"/6'8"DB				
MAIN LEVEL	1	5'0"/6'8"PATIO				

	MAIN LEVEL WINDOW SCHEDULE							
LEVEL	COUNT	TYPE	FAMILY	HEAD HEIGHT				
MAIN LEVEL	1	3'0"/5'0"TWIN	Window-Single-Hung-Double	7' - 0"				
MAIN LEVEL	3	3'0"/6'6"FX @8'0"HH	Window-Fixed	8' - 0"				
MAIN LEVEL	1	4'0"/1'0"FX @8'0"HH	Window-Fixed	8' - 0"				
MAIN LEVEL	1	4'0"/3'6"SL	Window-Sliding-Double	7' - 0"				

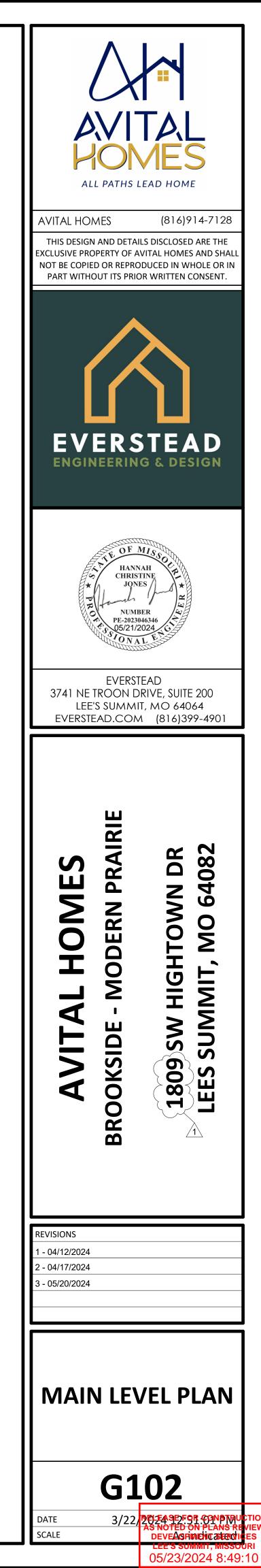
IRC TABLE N1102.1.2 (R402.1.2) INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT (PARTIAL) AND ENERGY CONSERVATION CODE COMPLIANCE

												-
С	CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING AND ATTICS R-VALUE	VAULTS R-VALUE	WOOD FRAME WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE & DEPTH	CRAWL SPACE WALL R-VALUE	DUCT R-V
	EXCEPT MARINE	.32	.55	.40	49	49	20 OR 13+5H	19	10/13	10, 2 FT	10/13	



C - PLAN VIEW - MAIN LEVEL 3 CAR 1 <u>COVERED</u> 1/4" = 1'-0"

JCTWORK R-VALUE 8



### **GENERAL PLAN NOTES**

- 1. ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APPLICABLE.
- ALL DIMENSIONS ARE FROM FACE OF STUD U.N.O.
- MINIMUM DOUBLE JOIST UNDER INTERIOR NON-LOAD BEARING WALLS. CANTILEVERS, OVER BEAMS, AND DOOR JAMBS SHALL BE BLOCKED. 4.
- CEILING JOISTS SHALL BE 2x6 @ 16" O.C. U.N.O.
- WALL CONSTRUCTION SHALL BE CAPABLE OF ACCOMMODATING ALL 6 LOADS IMPOSED ACCORDING TO IRC R301.
- EXTERIOR WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH IRC
- 602 & FIGURES R602.3(1) AND R602.3(2). ANY WOOD MEMBERS IN CONTACT WITH CONCRETE OR MASONRY (OR THE FURRING THEY ARE ATTACHED TO) SHALL BE OF DECAY RESISTANT
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- ONE JOIST BAY PAST EACH SIDE OF KITCHEN ISLAND DOUBLE JOIST UNDER KITCHEN ISLAND AND TUBS
- 12. ALL JOIST HANGERS TO BE SIMPSON LUS HANGERS UNO

INTERIOR LOAD BEARING WALL

#### WALL BRACING NOTES:

- WALL BRACING IS DESIGNED IN ACCORDANCE WITH IRC R602.10
- BRACING METHODS SHALL BE PER PLAN AND SHALL BE CONSTRUCTED IN CONFORMANCE WITH 2018 IRC R602.10.4 AND R602.10.5
- FOR METHOD CS-WSP STRUCTURAL PANEL SHEATHING SHALL BE INSTALLED ON ALL SHEATHABLE SURFACES ON ONE SIDE OF THE BRACED WALL LINE
- INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS. END CONDITIONS SHALL MEET THE REQUIREMENTS OF R602.10.7 AND DETAIL 9-S400. ALL HORIZONTAL PANEL JOINTS SHALL OCCUR OVER AND BE 4
- NAILED TO COMMON FRAMING OR BLOCKING WITH AN APPROPRIATE PANEL EDGE-NAILING SCHEDULE IN ACCORDANCE WITH IRC R602.10.4.4
- INTERIOR FINISH OF EXTERIOR WALLS SHALL BE MINIMUM 1/2" GYPSUM BOARD INSTALLED ON THE INTERIOR SIDE.

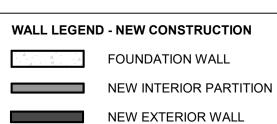
#### **BRACING METHODS**

BRACING CS-PF PER IRC R602.10.6.4
BRACING CS-WSP PER IRC R602.10
BRACING WSP PER IRC R602.10 (INCLUDES PARTIAL PANELS PER IRC R602.10.5.2)
BRACING LIB PER IRC R602.10 MINIMUM LIB LENGTH PER 2018 IRC TABLE R602.10.5: • 55" - 8' TALL WALL HEIGHT • 62" - 9' TALL WALL HEIGHT • 69" - 10' TALL WALL HEIGHT

BRACING PFH PER IRC R602.10.6.2

#### **CONSTRUCTION NOTES - NEW CONSTRUCTION**

- ALL INTERIOR WALL DIMENSIONS ARE MEASURED TO THE INSIDE FACE OF STUD
- U.N.O.
- ALL EXTERIOR WALL DIMENSIONS ARE MEASURED TO THE OUTSIDE FACE OF STUD
- U.N.O.
- ALL STRUCTURAL BEAMS ARE MEASURED TO THE CENTER OF THE MEMBER.
- NEW DOORS AND WINDOWS ARE TAGGED IN FEET AND INCHES.
- ALL CRITICAL DIMENSIONS TO BE FIELD
- VERIFIED BY CONTRACTOR. ALL TOILETS TO BE INSTALLED WITH A MINIMUM
- OF 15" O.C. CLEARANCE ON EACH SIDE OF TOILET.
- ALL TOILETS TO HAVE 21" CLEARANCE AT
- FRONT OF TOILET. ALL SINKS TO HAVE 21" CLEARANCE AT FRONT
- OF SINK.
- ALL SHOWERS TO HAVE 24" CLEARANCE AT OPENING.



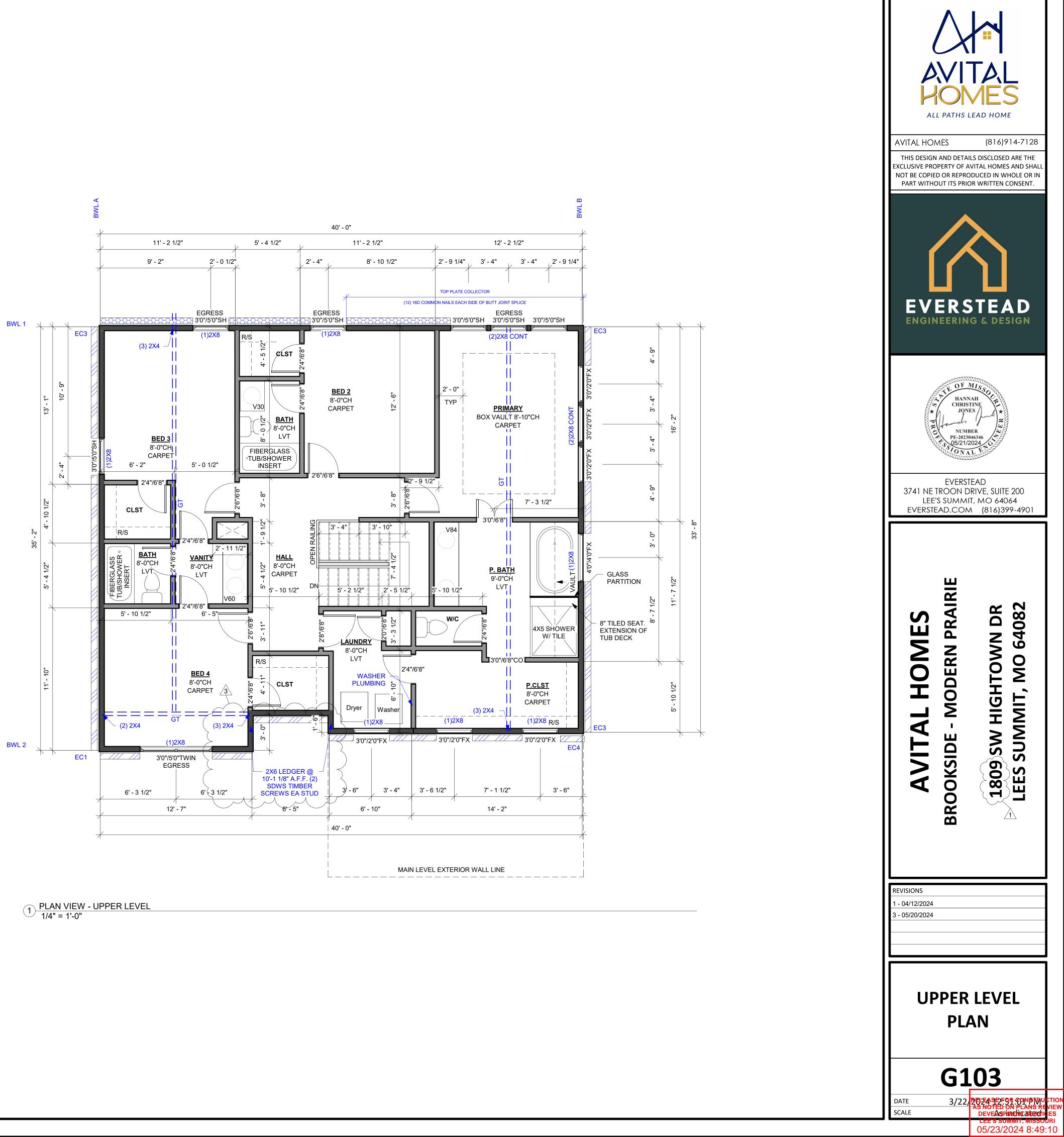
### UPPER LEVEL DOOR SCHEDULE COUNT TYPE LEVEL UPPER LEVEL 1 2'0"/6'8"

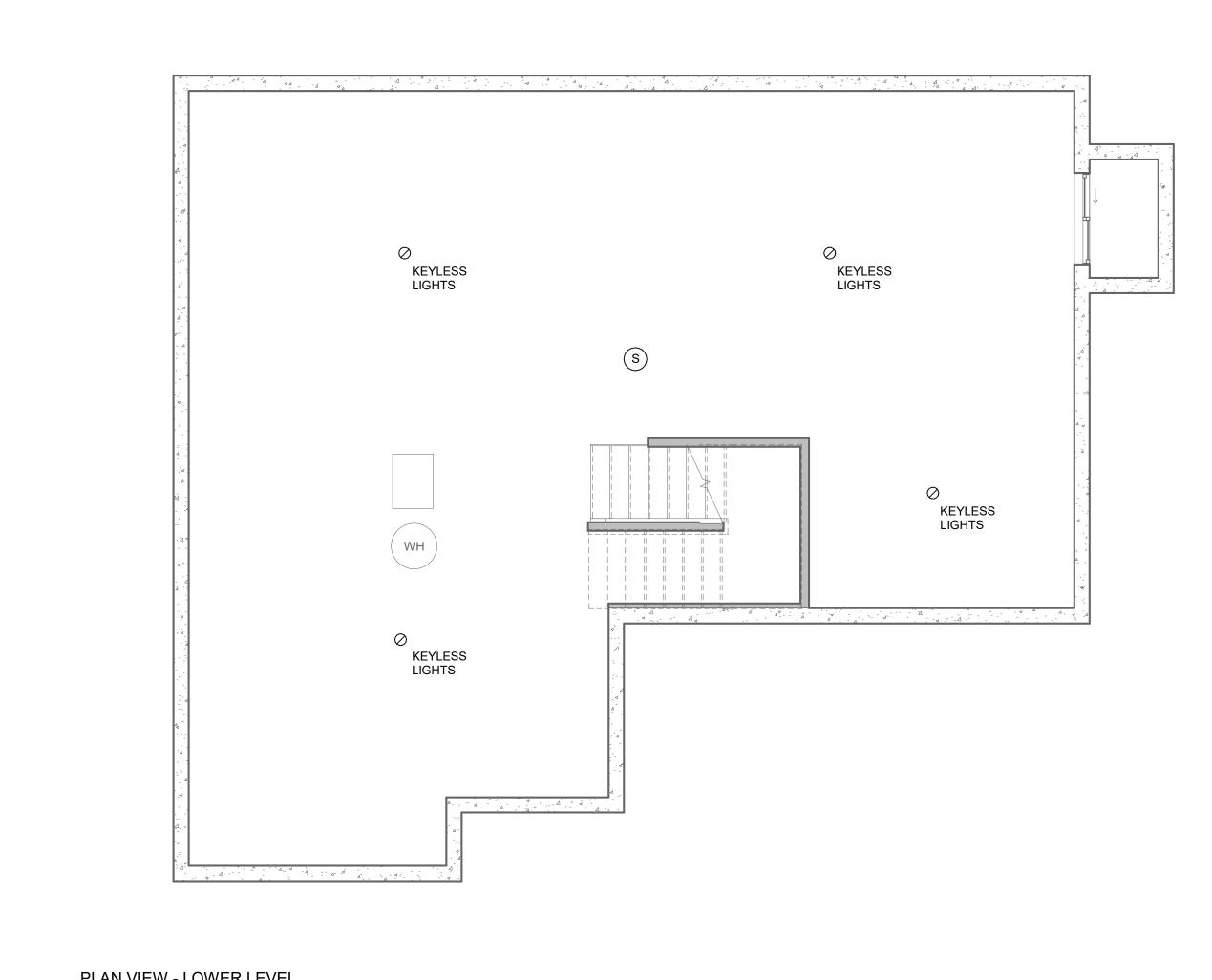
UPPER LEVEL	9	2'4"/6'8"
UPPER LEVEL	4	2'6"/6'8"
UPPER LEVEL	1	2'8"/6'8"
UPPER LEVEL	1	3'0"/6'8"
UPPER LEVEL	1	3'0"/6'8"CO

UPPER LEVEL WINDOW SCHEDULE								
LEVEL	LEVEL COUNT TYPE FAMILY							
UPPER LEVEL	6	3'0"/2'0"FX	Window-Fixed	7' - 0"				
UPPER LEVEL	6	3'0"/5'0"SH	Window-Single-Hung	7' - 0"				
UPPER LEVEL	UPPER LEVEL 1 3'0"/5'0"TWIN Window-Single-Hung-Double 7' - 0"							
UPPER LEVEL	1	4'0"/4'0"FX	Window-Fixed	7' - 0"				

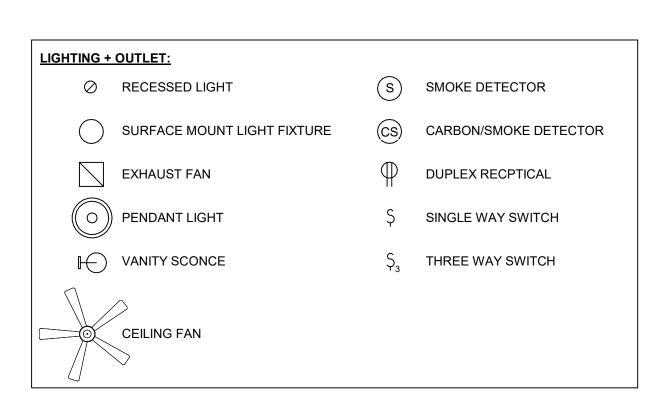
IRC TABLE N1102.1.2 (R402.1.2) INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT (PARTIAL) AND ENERGY CONSERVATION CODE COMPLIANCE

CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING AND ATTICS R-VALUE	VAULTS R-VALUE	WOOD FRAME WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE & DEPTH	CRAWL SPACE WALL R-VALUE	DUCTWORK R-VALUE
4 EXCEPT MARINE	.32	.55	.40	49	49	20 OR 13+5H	19	10/13	10, 2 FT	10/13	8

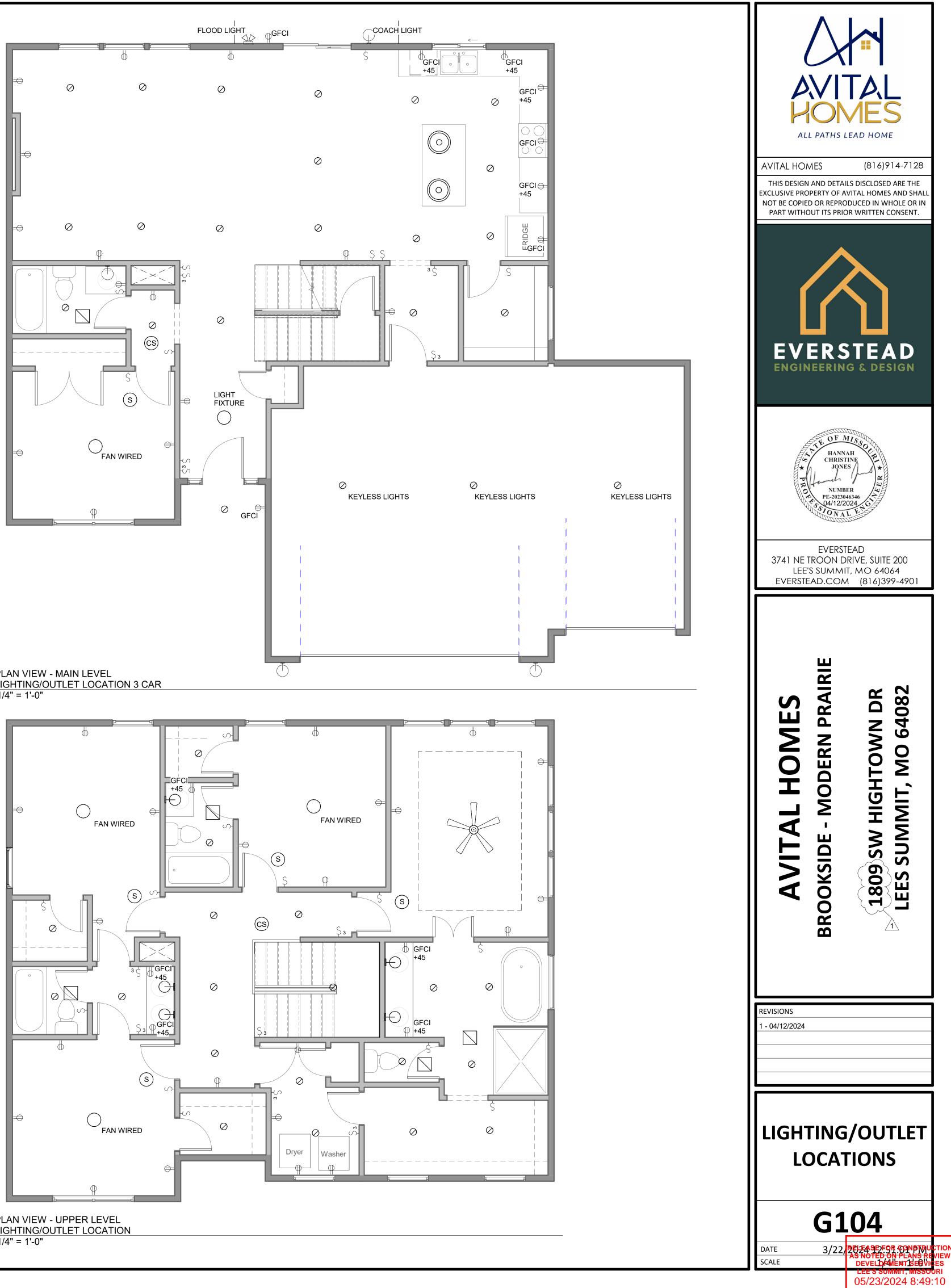


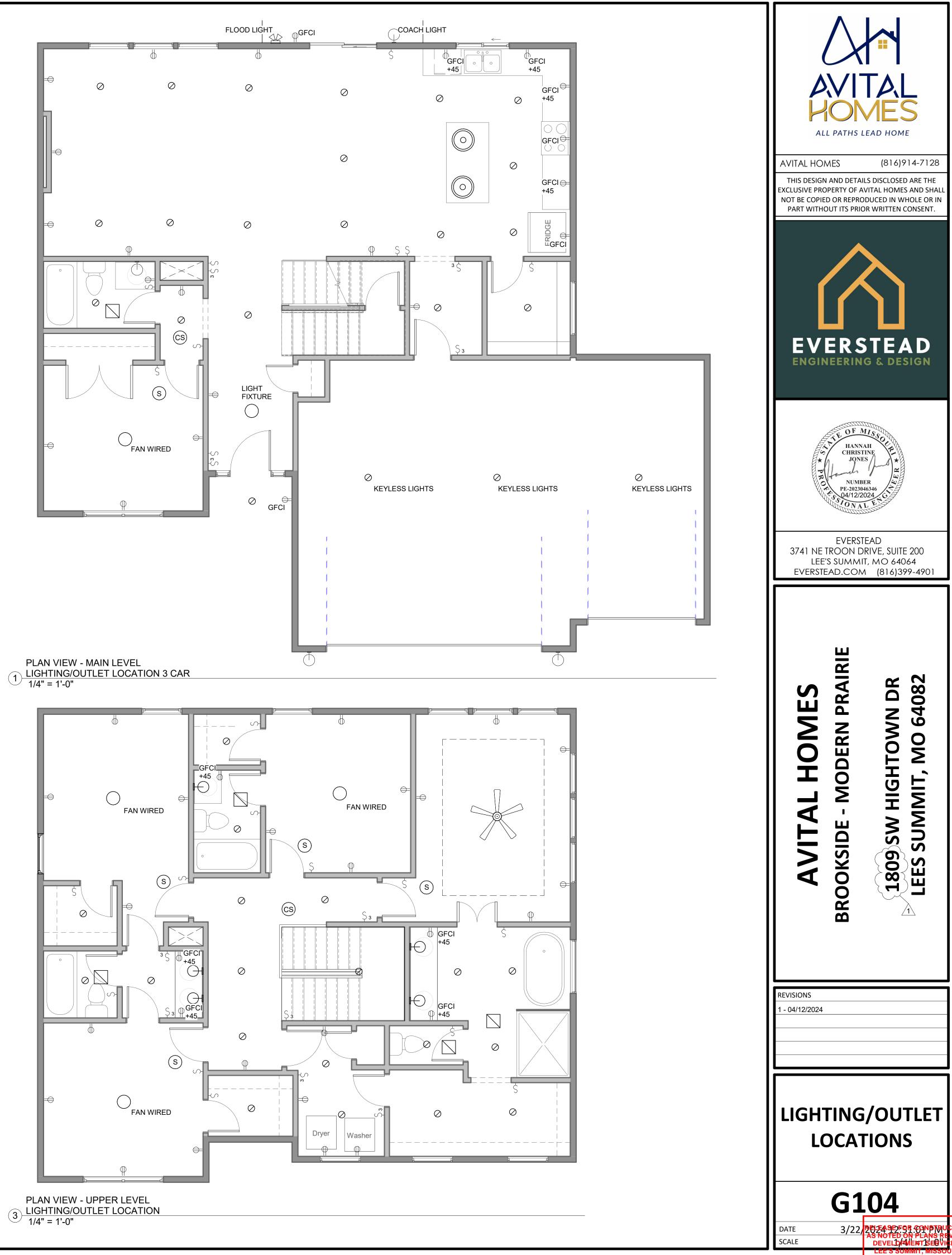


PLAN VIEW - LOWER LEVEL LIGHTING/OUTLET LOCATION 4 <u>UNFINISHED</u> 1/4" = 1'-0"







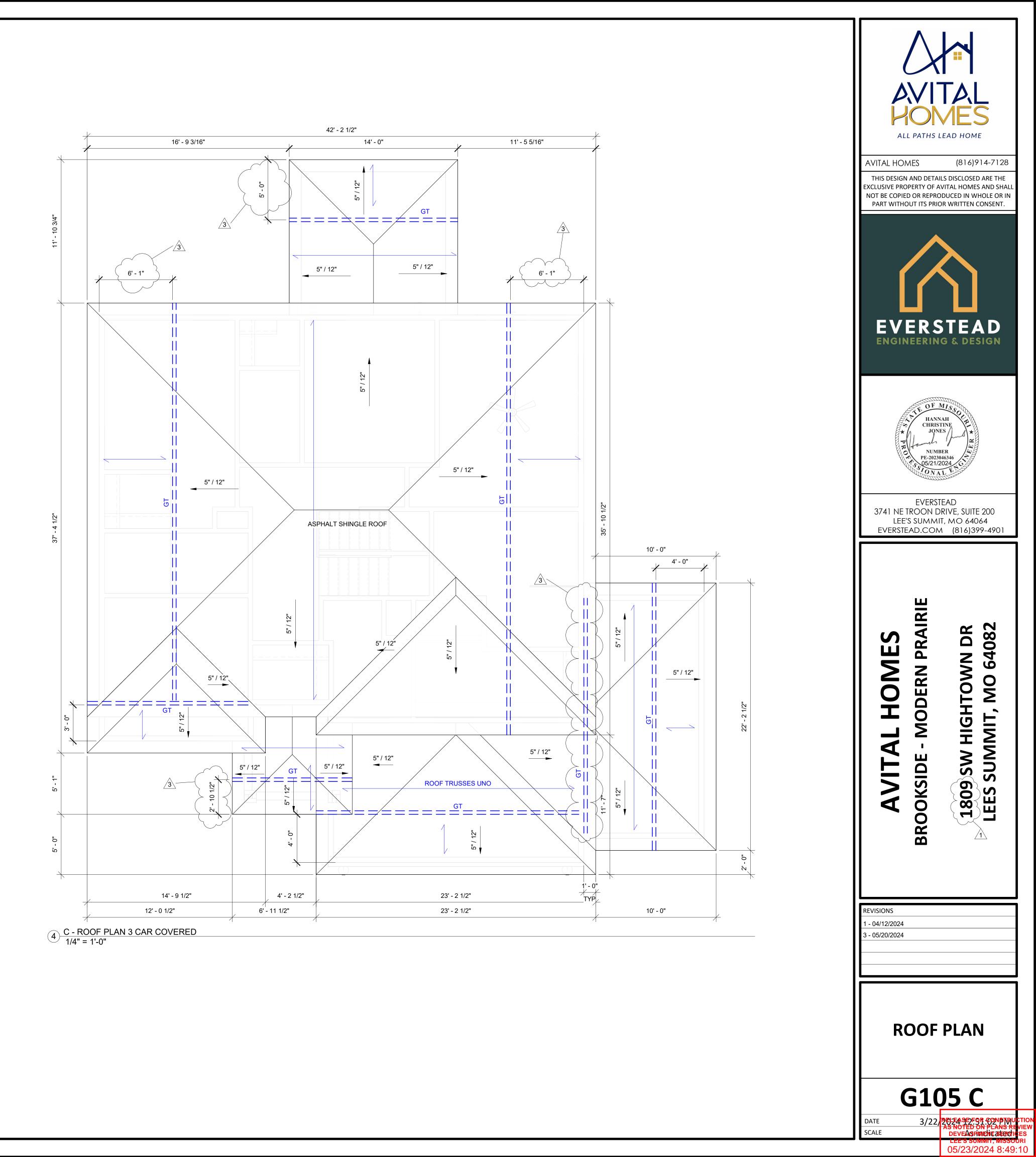


#### TRUSS FRAMED ROOF NOTES

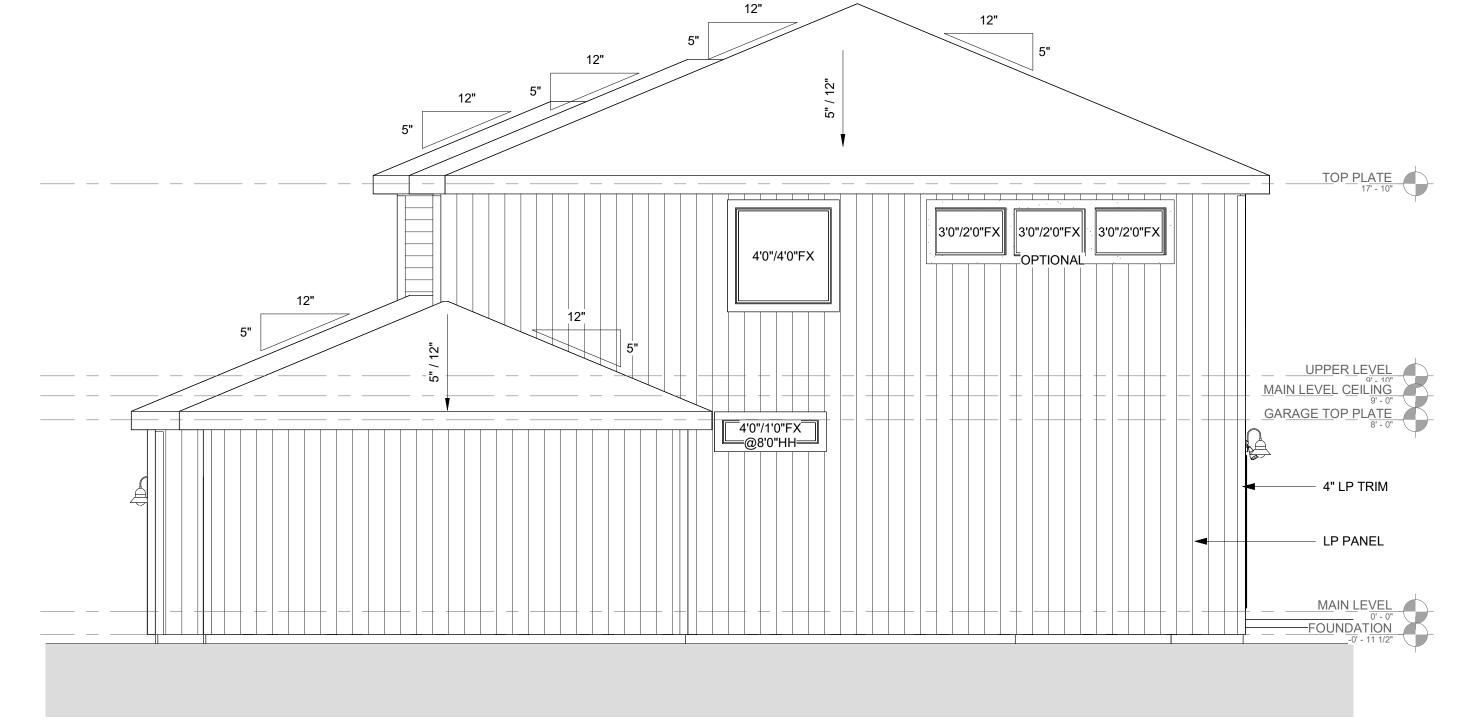
- 1. ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APPLICABLE.
- 2. DESIGNED FOR LIGHT ROOF COVERING, UNO. SEE G000 FOR MINIMUM LOADING.
- ALL EXTERIOR AND/OR LOAD BEARING WALL HEADERS SHALL BE MIN. (2) #2 2X10 UNO.
   CONSULT ENGINEER IF TRUSSES BEAR ON INTERIOR WALLS SHOWN AS NON-LOAD
- BEARING ON APPROVED POINTS.5. PROVIDE 2X SOLID BLOCKING SUPPORT BELOW ALL POINT LOADS CONTINUOUS TO
- 5. PROVIDE 2X SOLID BLOCKING SUPPORT BELOW ALL POINT LOADS BEARING STRUCTURE AND/OR FOUNDATION BELOW.
- 6. WOOD TRUSSES SHALL BE IN ACCORDANCE WITH IRC 802.10.
- 7. CONSULT ENGINEER IF TRUSSES BEAR ON INTERIOR WALLS SHOWN AS NON-LOAD BEARING ON APPROVED PRINTS.
- 8. GIRDER TRUSSES MUST HAVE LOAD CARRIED DOWN TO THE FOUNDATION OR LOAD SUPPORTING MEMBER. STUD PACK / COLUMN SHOWN ON PLANS.
- 9. ROOF COVERING SHALL BE ASPHALT SHINGLES AND SHALL COMPLY WITH IRC 2018
- SECT. R905.2
- MINIMUM ROOF SLOPE FOR ASPHALT SHINGLES SHALL BE 2:12.
   ROOF SLOPES IN BETWEEN 4:12 AND 2:12 SHALL REQUIRE DOUBLE UNDERLAYMENT IN
- ACCORDANCE WITH IRC 2018 TABLE R905.1.1(2). 12. EVERSTEAD STRUCTURAL SCOPE ENDS AT TOP PLATE FOR ROOF TRUSSES.

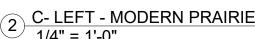
GIRDER TRUSS LOCATION

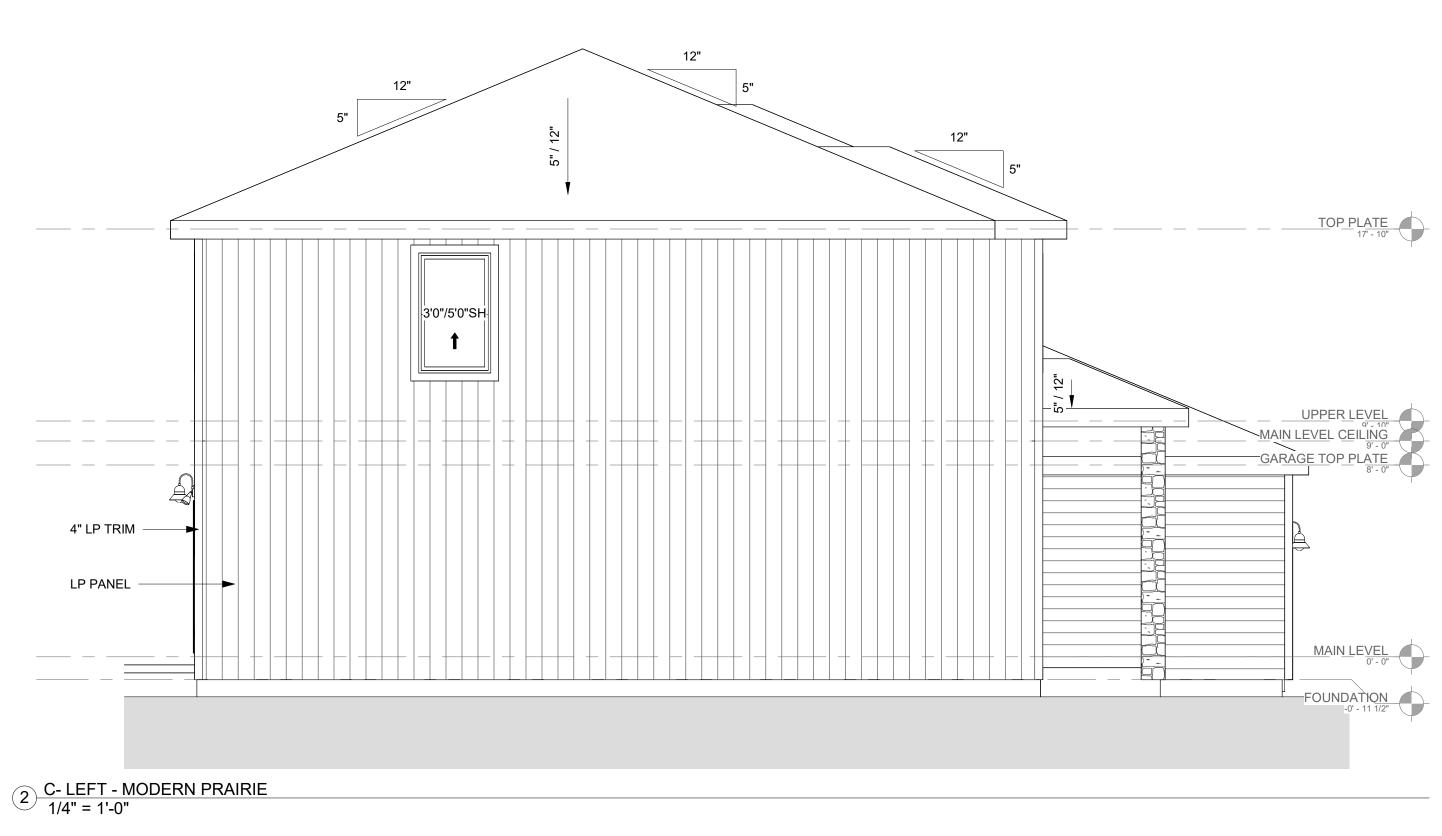
INTERIOR LOAD BEARING WALL

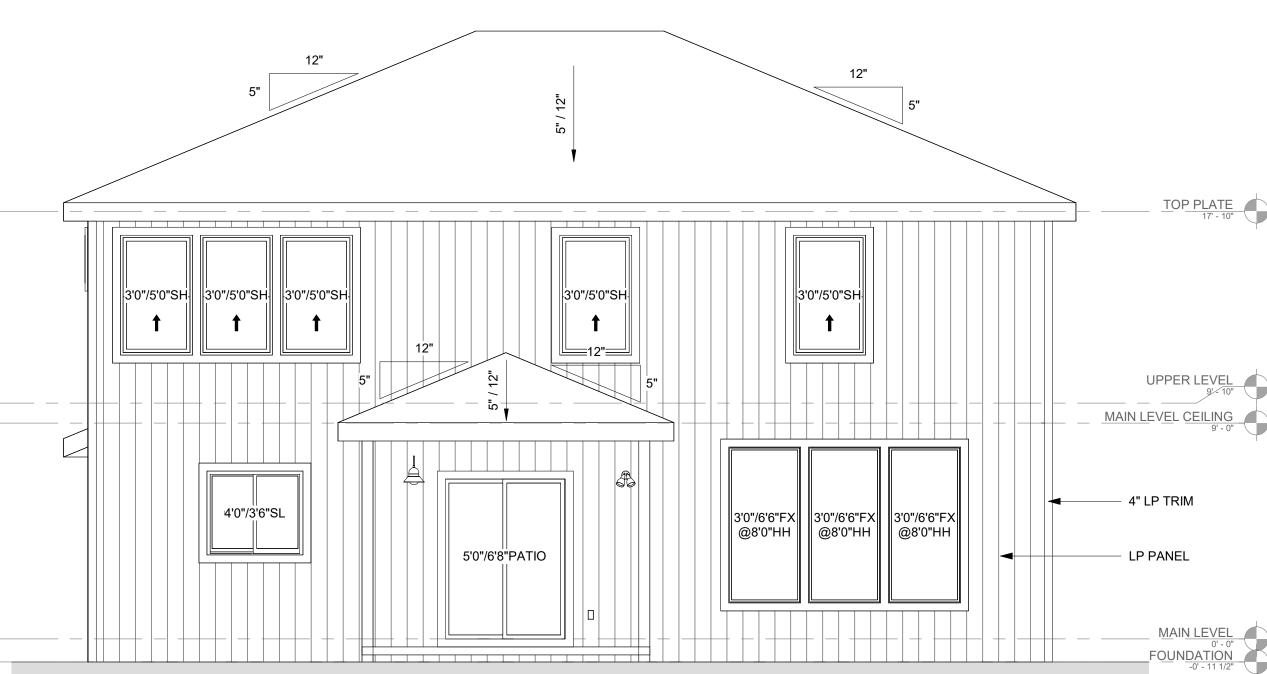




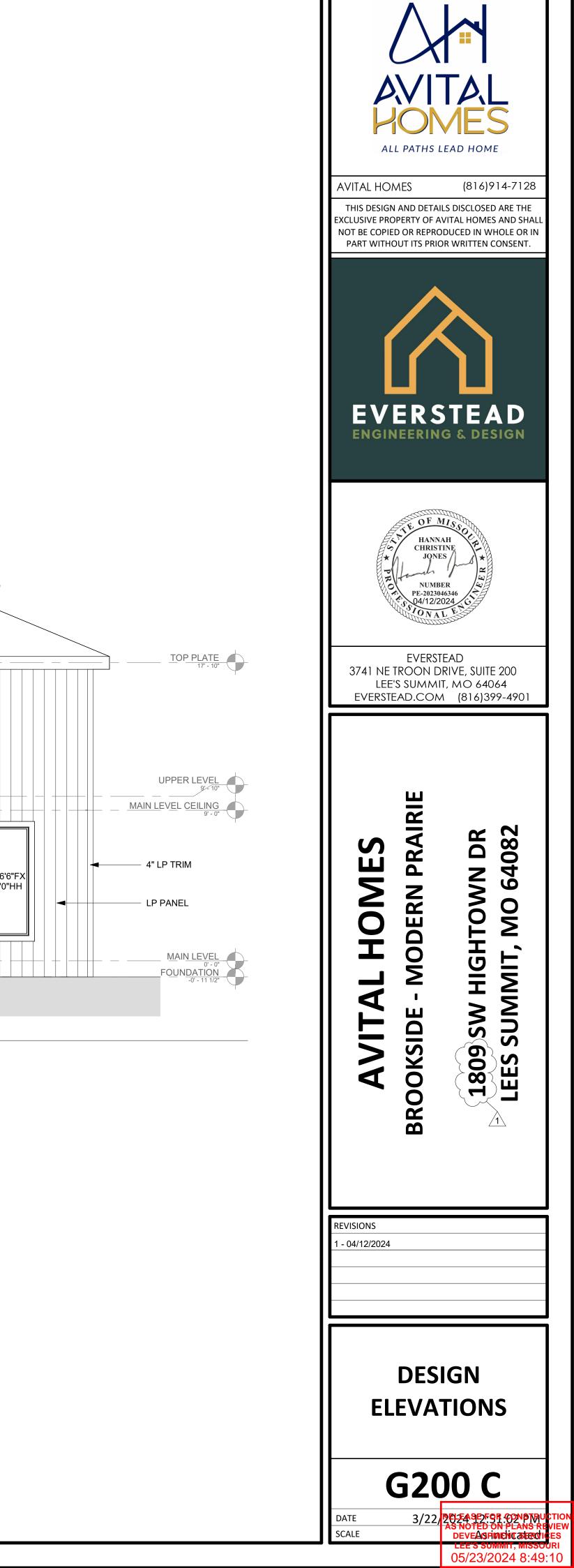








C- BACK - MODERN PRAIRIE FULL 3 COVERED 1/4" = 1'-0"



Α.	GENERAL NOTES IRC 2018		C.5	CONCRETE (CONT.)
A.1		TIONAL RESIDENTIAL CODE (IRC) WITH AMENDMENTS AS		CONCRETE MIX TO UTILIZE A MAXIMUM WA
	ENGINEER OF RECORD IF ANY CHANGES O	NG JURISDICTION. THE CONTRACTOR SHALL NOTIFY THE R DEVIATIONS FROM THE PLAN ARE MADE DURING RD MAY REQUIRE REVISED DRAWING OR CALCULATIONS		APPLICATIONS. ADMIXTURES SHALL NOT C     CONCRETE POURED AGAINST AN EXISTING
		E IDENTIFIED THE MOST CONSERVATIVE SPECIFICATION		OF 1/4 INCH AMPLITUDE.
A.2				REBAR PLACEMENT SHALL BE AS FOLLOW
	DEAD			CONCRETE CAST AGAINST AND PE     CONCRETE EXPOSED TO EARTH OF
	ROOF ROOF + CEILING (NO STORAGE)	10 PSF UNO 15 PSF 20 PSF		<ul> <li>NOT EXPOSED TO WEATHER OR GF</li> <li>1) SLABS, WALLS, JOISTS</li> <li>2) BEAMS, COLUMNS</li> </ul>
	ROOF + CEILING (STORAGE) CEILING JOISTS (STORAGE) EXTERIOR BALCONY / DECK	20 PSF 10 PSF 10 PSF		CONCRETE MIX DESIGN SHALL BE 6% (±1%
	INTERIOR FLOOR (MAIN FLOOR) INTERIOR FLOOR (UPPER FLOORS)	15 PSF 10 PSF		WALLS, OR FLATWORK EXPOSED TO WEAT
	8" THICK MASONRY WALL 6" THICK MASONRY WALL EXTERIOR LIGHT FRAMED WOOD WALLS INTERIOR LIGHT FRAMED WOOD WALLS	96 PSF 72 PSF 15 PSF 10 PSF		<ul> <li>SHORING AND SUPPORTING FORMWORK S MEMBERS BEFORE CONCRETE STRENGTH CYLINDERS OR 28 DAYS.</li> </ul>
	(INTERIOR WALLS INCLUDED IN 15 PSF DEA	D LOAD)		<ul> <li>ALL FOUNDATION WALLS ENCLOSING BELC DAMPPROOFING SHALL EXTEND FROM THE (IRC R406.1)</li> </ul>
	ROOF LIVE LOAD FLOOR LIVE LOAD	20 PSF 40 PSF (HABITABLE)	C.6	CONCRETE WALLS WITH REINFORCEMENT STEEL
	GARAGE STORAGE GUARDRAIL:	50 PSF WITH 2000 LB POINT LOAD 20 PSF (UNINHABITABLE)		REINFORCING STEEL SHALL CONFORM TO
	CONTINUOUS LINEAR MAXIMUM POINT	50 PLF 200 LBS		SMOOTH BARS OR WELDED WIRE FABRIC
	SNOW			<ul> <li>90 DEG. HOOK SHOWN IN DRAWINGS SHAL</li> <li>STRAIGHT EXTENSION LENGTH = 12</li> </ul>
	GROUND SNOW LOAD	20 PSF		<ul> <li>BEND DIAMETER = 12X BAR DIA.</li> </ul>
	VELOCITY EXPOSURE CATEGORY	115 MPH B		HOOKED DOWELS:
В.	SOIL AND SITE ASSUMPTIONS			<ul> <li>HOOKED DOWELS FROM FOUNDAT VERTICAL WALL REINFORCING AND FOUNDATION.</li> </ul>
B.1	KANSAS CITY, MO) UNLESS OTHERWISE NO	SOIL BEARING FOR THE SITE OF 1,500 PSF (2,000 PSF FOR DTED. CONTRACTOR TO VISUALLY INSPECT THE SITE OR		<ul> <li>HOOKED DOWELS MATCH SLAB RE FOUNDATION.</li> </ul>
	(SILTY CLAY) AS DEFINED BY 2018 IRC. THE	O VERIFY MINIMUM ACCEPTABLE SOIL CONDITIONS FOR CL CONTRACTOR IS RESPONSIBLE FOR ANY SOIL CONDITION IREMENTS AND FOR CONTACTING THE ENGINEER OF		PROVIDE (2) - #5 BARS AROUND PERIMETE
	RECORD.			WHERE SPLICES ARE NECESSARY IN REINI
B.2	MAT PROVIDE A MINIMUM SOIL COVER OF 1	HEIGHT LESS THAN 10'-0" AND AN AREA LESS THAN 600 FT 12 INCHES MEASURED FROM THE BOTTOM OF CONCRETE.		IN ACCORDANCE WITH TABLE R608.5.4(1) A BETWEEN NONCONTACT PARALLEL BARS / OF ONE-FIFTH THE REQUIRED LAP LENGTH
B.3	LATERAL SOIL PRESSURES UNLESS OTHER ACTIVE 60 PSF AT REST 100 PSF	RWISE NOTED		TOP HORIZONTAL REINFORCEMENT SHALL WALL.
B.4	O.5% (6" IN THE FIRST 10'-0"). ALTERNATE A	RAINAGE AWAY FROM THE STRUCTURE AT A MINIMUM OF PPROACHES MAY BE APPROVED IF THE ALTERNATE DESIGN RFORMANCE, AND PROVIDES FOR POSITIVE SITE		HORIZONTAL WALL REINFORCEMENT SHAL STANDARD HOOK
	DRAINAGE.	N ONWANCE, AND FROMDESTOR FOSTIVE SHE	C.7	COLD WEATHER CONCRETE
C.	FOUNDATION NOTES			COLD WEATHER IS DEFINED AS THREE CO TEMPERATURE DROPS BELOW 40 DEGREE
C.1	FOUNDATION ANCHORAGE (IRC R403.1.6)			FAHRENHEIT FOR MORE THAN HALF OF AN
	SILL PLATES SHALL BE BOLTED TO     ANCHOR BOLTS EMBEDDED AT LEA	THE FOUNDATION WALL WITH A MINIMUM ½" DIAMETER ST 7" INTO THE CONCRETE.		COLD WEATHER CONCRETE WORK SHALL
	BOLTS SHALL BE SPACED NO GREA	TER THAN 6'-0" O.C.		ALL MATERIALS AND EQUIPMENT REQUIRE     PROJECT SITE BEFORE COLD WEATHER CO
	WITHIN 12" AND NOT CLOSER THAN	O BOLTS PER PLATE SECTION, WITH A BOLT PLACED 7 BOLT DIAMETERS OF THE END OF EACH PLATE SECTION.		<ul> <li>THE CONCRETE MIX DESIGN PROVIDED BY AVERAGE 28 DAY MIX DESIGN COMPRESSI WHICHEVER IS GREATER.</li> </ul>
		IER SHALL BE TIGHTENED ON EACH BOLT TO THE PLATE, PLATE + 3/4" FOR NUT AND WASHER EQUALS A 9-1/4" LONG		THE TEMPERATURE OF CONCRETE AT PLA FAHRENHEIT .
C.2	WALL BRACING METHODS (IRC R602 CONCRETE SLABS	2) MAY REQUIRE ADDITIONAL ANCHORAGE.		THE MINIMUM CONCRETE TEMPERATURE A     DEGREES FAHRENHEIT.
		MATERIAL WHICH SHALL BE COMPARED TO ENSURE		ALL SNOW, ICE AND FROST MUST BE REMO
	MATERIAL (SAND OR GRAVEL) OR 8	ND SHALL NOT EXCEED 24" OF COMPACTED GRANULATED " OF EARTH: GE FLOOR FILLS, OR OVER EXCAVATED AREAS UNDER		THE CONTRACTOR SHALL PROVIDE ADEQU FREEZING AND MAINTAIN A CONCRETE TEN HOUR PERIOD AFTER CONCRETE PLACEM
	FLOOR SLABS.	SET ECONTILLO, ON OVEN EXOAVATED ANEAG UNDEN		<ul> <li>INSULATING BLANKETS AND/OR THE USE C</li> <li>GROUND TEMPERATURE AT THE TIME OF F</li> </ul>
		FION DETAILS IN THIS DOCUMENT (WHERE APPLICABLE IG LIMITATIONS) MAY BE USED IN LIEU OF PROVIDING A		<ul> <li>GROUND TEMPERATURE AT THE TIME OF PLESS THAN 35 DEGREES FAHRENHEIT.</li> <li>INSULATION, FORMS AND HEATERS MAY BID</li> </ul>
		DING THE SPANS AND CONDITIONS OF THE APPROVED D BY A PROFESSIONAL ENGINEER.		MAINTAIN ADEQUATE PROTECTION OF SUE EXPOSED CONCRETE ELEMENT TO PREVE
	SLABS AT MAX 4'-0" OVER-DIG ADJA	CENT TO FOUNDATION WALL:	C.8	FOOTNOTES
		FOR A MAXIMUM DIMENSION OF 4'-0" HORIZONTALLY DN WALL, THE STANDARD OVER-DIG DETAIL MAY BE USED IN CTURAL SLAB.		VERTICAL REINFORCEMENT FOR CONCRE- REINFORCEMENT SPACED 24" O.C. MAY BE     VERTICAL DEVICEMENT SPACED 24" O.
	SEE "TYPICAL FOOTING/FOU DETAIL.	INDATION WALL/STANDARD SLAB AT MAX 4'-0" OVER-DIG"		<ul> <li>WALLS SHALL HAVE VERTICAL REINFORCE</li> <li>8" WALL – MINIMUM 2" FROM TENSION</li> <li>10" WALL – MINIMUM 6-3/4" FROM THE</li> </ul>
C.3	VAPOR RETARDER / BARRIER (IRC R506.2.3	)		EXTEND BARS TO WITHIN 8" OF THE
		APPROVED VAPOR RETARDER WITH JOINTS LAPPED A EN THE CONCRETE FLOOR SLAB AND THE BASE COURSE		HORIZONTAL REINFORCEMENT:
		EQUIRED FOR GARAGE SLABS OR DETACHED UNHEATED		<ul> <li>ONE BAR SHALL BE PLACED WITHIN</li> <li>OTHER BARS SHALL BE EQUALLY S</li> <li>HORIZONTAL BARS SHOULD BE AS</li> </ul>
C.4	FOOTINGS			<ul> <li>(INTERIOR); AND BEHIND THE VERT</li> <li>SUPPLEMENTAL REINFORCEMENT</li> </ul>
	THE BOTTOM OF ALL FOOTINGS SH     PROTECTION (IRC R403.1.4).	ALL EXTEND NOT LESS THAN 36" BELOW GRADE FOR FROST		DEGREE ANGLE AT CORNERS OF C THE EDGE OF INSIDE CORNERS.
	FOOTINGS FOR FREESTANDING AC     LESS AND AN EAVE HEIGHT OF 10'-0	CESSORY STRUCTURES WITH AN AREA OF 600 SQ. FT. OR )" OR LESS SHALL EXTEND BELOW GRADE A MINIMUM OF		AT MASONRY LEDGES THE MINIMUM WALL     EXCEED A DEPTH OF MORE THAN 24" BELC     LESS THAN 4". PROVIDE #4 BARS AT MAXIM
				• STRAIGHT WALLS MORE THAN 5'-0" TALL AI
	CONTINUOUS SOLID MASONRY OR SYSTEM TO SAFELY SUPPORT THE	, COLUMNS AND PIERS SHALL BE SUPPORTED ON CONCRETE FOOTINGS, OR APPROVED STRUCTURAL IMPOSED LOADS AND SHALL BE SIZED AND REINFORCED IN D OR SHALL BE ENGINEERED DESIGN.		WITH EXTERIOR BRACED RETURN WALLS. THE SHORTEST DIMENSION BETWEEN INTE SECTION).
		ALLS SHALL BE CONTINUOUS AROUND THE STRUCTURE		MINIMUM SPECIFIED COMPRE PER TA
	USABLE SPACE SHALL BE MADE BY	TWEEN FOOTINGS AT DIFFERENT LEVELS ENCLOSING APPROVED SOLID JUMPS OR SUPPORT SYSTEMS TO	-	TYPE OR LOCATION OF CONCRETE CONSTRUCTION
		TRUCTURE. ON WALLS/STANDARD SLAB AT MAXIMUM 4" OVER-DIG" AND		BASEMENT WALLS, FOUNDATIONS AND OTHER CONCRETE NOT EXPOSED TO THE WEATHER
C.5	"FOOTING JUMP" DETAILS.		-	BASEMENT SLABS AND INTERIOR SLABS ON
		IOULD CONFORM TO ACI 318-14 (OR ACI 332) OR 2018 IRC.	-	GRADE, EXCEPT GARAGE FLOOR SLABS BASEMENT WALLS, FOUNDATION WALLS, EXTERIO
	• THE MINIMUM CONCRETE 28 DAY C TABLE R402.2.	OMPRESSIVE STRENGTH SHALL BE AS SPECIFIED IN IRC	F	WALLS AND OTHER VERTICAL CONCRETE WORK EXPOSED TO THE WEATHER

PORCHES, CARPORT SLABS AND STEPS EXPOSED TO THE WEATHER, AND GARAGE FLOOR SLABS

SUSPENDED SLABS

## FRAMING/STRUCTURE UM WATER-CEMENT MATERIALS RATIO OF 0.45 FOR ALL D.1 FRAMING NOTES NOT CONTAIN ANY CHLORIDES. (ISTING SURFACE SHOULD BE ROUGHENED TO A MINIMUM DLLOWS: ND PERMANENTLY EXPOSED TO EARTH 3.0 IN CLR RTH OR WEATHER 1.5 IN CLR OR GROUND 3/4 IN CLR 1.5 IN CLR (±1%) AIR-ENTRAINED FOR GARAGE SLABS, FOOTINGS, WEATHER ORK SHALL NOT BE REMOVED FROM HORIZONTAL ENGTH REACHES 70% OF STRENGTH DETERMINED BY BELOW GRADE SPACE SHALL BE DAMPPROOFED. THE OM THE EDGE OF THE FOOTING TO THE FINISHED GRADE. RM TO ASTM A615, GRADE 40. ABRIC SHALL CONFORM TO ASTM 185. S SHALL BE STANDARD PER ACI 318-14. TH = 12X BAR DIA. JNDATIONS TO WALL SHALL BE PROVIDED TO MATCH IG AND EXTENDED TO 3" CLEAR FROM BOTTOM OF AB REINFORCING FROM SLAB TO WALLS OR SLAB TO IMETER OF ALL SUSPENDED SLABS. I REINFORCEMENT, THE LENGTH OF LAP SPLICE SHALL BE 5.4(1) AND FIGURE R608.5.4(1). THE MAXIMUM GAP BARS AT A LAP SPLICE SHALL NOT EXCEED THE SMALLER ENGTH AND 6 INCHES (152MM) [SEE FIGURE R608.5.4.(1)]. SHALL BE PLACED WITHIN 12" FROM THE TOP OF THE SHALL TERMINATE AT THE END OF THE WALL WITH A EE CONSECUTIVE DAYS WHERE THE AVERAGE DAILY GREES FAHRENHEIT AND NOT ABOVE 50 DEGREES OF ANY ONE OF THOSE THREE DAYS. SHALL CONFORM TO ACI 306. QUIRED FOR PROTECTION SHALL BE AVAILABLE AT THE HER CONCRETING BEGINS. ED BY THE SUPPLIER SHALL AT A MINIMUM REACH THE RESSIVE STRENGTH IN MINIMUM 72 HOURS OR 2000 PSI – AT PLACEMENT SHALL BE A MINIMUM OF 55 DEGREES TURE AT THE TIME OF MIXING SHALL NOT BE BELOW 65 E REMOVED PRIOR TO PLACING CONCRETE. ADEQUATE PROTECTION FOR CONCRETE AGAINST TE TEMPERATURE OF 55 DEGREES FAHRENHEIT FOR A 72 ACEMENT. THIS MAY BE ACHIEVED WITH THE USE OF USE OF TEMPORARY HEATERS. IE OF PLACEMENT OF SLAB OR FOOTINGS SHALL NOT BE MAY BE REMOVED AFTER 72 HOURS . OF SUB GRADE AND ADEQUATE DRAINAGE AWAY FROM PREVENT FREEZING. NCRETE WALLS THAT ARE NOT FULL HEIGHT AND FOR AY BE PLACED IN THE MIDDLE OF THE WALL. OTHER ORCEMENT PLACED AS FOLLOWS: TENSION FACE ROM THE OUTSIDE FACE OF THE TOP OF THE WALL WITHIN 12" OF THE TOP OF THE WALL ALLY SPACED WITH SPACING NOT TO EXCEED 24" O.C. BE AS CLOSE TO THE TENSION FACE AS POSSIBLE E VERTICAL REINFORCEMENT (I.E. 2" FROM INSIDE FACE) MENT AT CORNERS – PLACE 1 #4 REBAR 48" LONG AT 45 S OF OPENINGS. PLACE REINFORCEMENT WITHIN 6" OF

WALL THICKNESS SHALL BE 3-1/2". LEDGES SHALL NOT " BELOW THE TOP OF THE WALL FOR WALL THICKNESS MAXIMUM 24" O.C. TO WITHIN 8" OF THE TOP OF THE WALL.

TALL AND MORE THAN 16-0" LONG SHALL BE PROVIDED ALLS. WALL LENGTH SHALL BE MEASURED USING INSIDE EN INTERSECTING WALLS (SEE TYPICAL DEAD MAN

#### OMPRESSIVE STRENGTH OF CONCRETE PER TABLE R402.2

	MINIMUM SPECIFIED COMPRESSIVE STRENGTH (f'c) FOR SEVER WEATHERING POTENTIAL
	2,500
	2,500
(TERIOR /ORK	3,000
	3,500
	4,000

•				
	ALL TREATED LUMBER SIZE	R OR ROT RESISTANT S		
•	PINE UNLESS OTHERWISE		2 DOUGLAS FIR-LARCH (:	2) 2X10 ON LOAD
	BEARING WALLS. ALL HEADERS/BEAMS TO B			
	SHALL BE PROVIDED AT AL	L HEADERS IN ACCORD	ANCE WITH IRC TABLE F	
•				
•	CANTILEVERS, OVER BEAM			E FURRING THEY AF
	ATTACHED TO) SHALL BE C	OF DECAY RESISTANT M	ATERIAL.	
•	IN BEARING WALLS, STUDS SPACED NOT MORE THAN SIZE. THOSE STUDS GREA <sup>-</sup> PROFESSIONAL ENGINEER	IS SPECIFIED IN IRC TAE TER THAN 10'-0" FEET IN	BLE R602.3(5) FOR THE C I LENGTH SHALL BE DES	ORRESPONDING S
•	ALL WOOD STRUCTUAL PA SPECIFICATION AND SUPPI OCCUR OVER SUPPORTS A ADJACENT PANELS. PROVI MOISTURE CONTENT SHAL	LEMENTS OF THE APA C AND SHALL BE STAGGEF DE 1/8" INCH SPACE AT	OR EQUIVALENT. ALL PAN RED ONE HALF PANEL LE PANEL ENDS. WOOD ST	NEL END JOINTS SH ENGTH FROM
•	ALL STRUCTURAL FRAMINO		AS FOLLOWS UNO: ED BY CODE: DOUGLAS	FIR-I ARCH #2 (DF-I
	• OR BETTER. • EXTERIOR WALLS T	O BE CONTINUOUSLY S	HEATHED WITH MIN. 7/1	6" OSB
	EDGES, 12" O. C. IN			AILS; 6" O. C. AT PA
	LOAD BEARING, BR		LS, REQUIRE A DOUBLE	TOP PLATE. THE TO
	FIELD APPLIED LAP	SPLICED TOP PLATE: D		ON FRAMING PLAN
	LOAD BEARING HEA	ADERS TO BE FABRICAT	ED WITH THE HEADER A ELOW AS NEEDED UNO.	T THE UNDER SIDE
	INTERIOR NON LOA	D BEARING WALLS: DF-	L #2 STUD GRADE OR BE R INTERIOR NON LOAD B	ETTER
	HEADER CRIPPLE S	SPACING CAN BE 24" O.	C. REGARDLESS OF WAL	
		NOT REQUIRED ABOVE	OR BELOW OPENINGS V	VHERE THE VERTIC
		2" OR LESS FOR NON-LO		
•	ALL LUMBER IN CONTACT V PRESSURE TREATED (PT).	WITH MASONRY OR OTH	IERWISE EXPOSED TO V	VEATHERING TO BE
	FIELD APPLIED SILL	PLATE: PT DF-L #2	MASONRY: PT DF-L #2	
•	ALL PRESSURE TREATED V			TER-BORNE
	PRESERVATIVES. PRESSUI C2, LP-22, AND IRC SECTIO	RE TREATMENT SHALL (	COMPLY WITH THE REQU	JIREMENTS OF AW
	PRESSURE TREATED.	N RSTT. ALL LUMBER S C	ABOVE THE FINISHED	GRADE SHALL BE
	RECOMMENDATIONS. IN TH ASTM A653 TYPE G185 ZINC EXCEPTIONS, REFER TO R3	C-COATED GALVANIZED		
	ENGINEE	RED LUMBER MIIMUM DI	ESIGN REQUIREMENTS	
		RED LUMBER MIIMUM DI F₀ (PSI)	ESIGN REQUIREMENTS E (PSI)	F <sub>v</sub> (PSI)
	LVL	F <sub>b</sub> (PSI) 3100	E (PSI) 1.9X10 <sup>6</sup>	F <sub>v</sub> (PSI) 285
	LVL DOUGLAS FIR-LARCH	F <sub>b</sub> (PSI) 3100 900	E (PSI) 1.9X10 <sup>6</sup> 1.6X10 <sup>6</sup>	
STR	LVL	F <sub>b</sub> (PSI) 3100	E (PSI) 1.9X10 <sup>6</sup>	285
•	LVL DOUGLAS FIR-LARCH GLU-LAM UCTURAL STEEL STEEL DESIGN, FABRICATIO STEEL CONSTRUCTION. STEEL PIPE COLUMNS SHA STEEL GRADE AND SPECIF • HOLLOW STRUCTU • CHANNELS, PLATES • WIDE FLANGES:	F₀ (PSI)         3100         900         2400         ON, AND ERECTION SHA         ALL BE A MINIMUM OF SO         FICATION SHALL BE AS F         RAL SECTIONS:         S, ANGLES, AND COLUM	E (PSI) 1.9X10 <sup>6</sup> 1.6X10 <sup>6</sup> 1.8X10 <sup>6</sup> ALL CONFORM WITH AME CHEDULE 40. COLLOWS: AST AST AST AST	285 180 230 ERICAN INSTITUTE ( M A500 (F <sub>Y</sub> = 46 KSI) M A36 (F <sub>Y</sub> = 36 KSI) M A992 (F <sub>Y</sub> = 50 KSI)
•	LVL DOUGLAS FIR-LARCH GLU-LAM UCTURAL STEEL STEEL DESIGN, FABRICATIO STEEL CONSTRUCTION. STEEL PIPE COLUMNS SHA STEEL GRADE AND SPECIF • HOLLOW STRUCTU • CHANNELS, PLATES	F₀ (PSI)         3100         900         2400         ON, AND ERECTION SHA         ALL BE A MINIMUM OF SO         FICATION SHALL BE AS F         RAL SECTIONS:         S, ANGLES, AND COLUM	E (PSI) 1.9X10 <sup>6</sup> 1.6X10 <sup>6</sup> 1.8X10 <sup>6</sup> ALL CONFORM WITH AME CHEDULE 40. COLLOWS: AST AST AST AST AST	285 180 230 ERICAN INSTITUTE ( M A500 (F <sub>Y</sub> = 46 KSI) M A36 (F <sub>Y</sub> = 36 KSI) M A992 (F <sub>Y</sub> = 50 KSI) M A53 GR.B (F <sub>Y</sub> = 35
•	LVL DOUGLAS FIR-LARCH GLU-LAM UCTURAL STEEL STEEL DESIGN, FABRICATIO STEEL CONSTRUCTION. STEEL PIPE COLUMNS SHA STEEL GRADE AND SPECIF • HOLLOW STRUCTU • CHANNELS, PLATES • WIDE FLANGES: • STEEL PIPE COLUM	F₀ (PSI)         3100         900         2400         ON, AND ERECTION SHA         ALL BE A MINIMUM OF SO         FICATION SHALL BE AS F         RAL SECTIONS:         S, ANGLES, AND COLUM         IN	E (PSI) 1.9X10 <sup>6</sup> 1.6X10 <sup>6</sup> 1.8X10 <sup>6</sup> ALL CONFORM WITH AME CHEDULE 40. COLLOWS: AST AST AST AST AST	285 180 230 ERICAN INSTITUTE ( M A500 (F <sub>Y</sub> = 46 KSI) M A36 (F <sub>Y</sub> = 36 KSI) M A992 (F <sub>Y</sub> = 50 KSI) M A53 GR.B (F <sub>Y</sub> = 35
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•	LVL DOUGLAS FIR-LARCH GLU-LAM UCTURAL STEEL STEEL DESIGN, FABRICATIO STEEL CONSTRUCTION. STEEL PIPE COLUMNS SHA STEEL GRADE AND SPECIF • HOLLOW STRUCTU • CHANNELS, PLATES • WIDE FLANGES: • STEEL PIPE COLUM • ANCHOR RODS: BOLTS SHALL CONFORM TO WELDING SHALL CONFORM	Fb (PSI)         3100         900         2400         ON, AND ERECTION SHAP         ALL BE A MINIMUM OF SO         CICATION SHALL BE AS F         RAL SECTIONS:         S, ANGLES, AND COLUM         IN         O ASTM A307         ATO THE AWS CODES F         DANCE TO WELDING PR         IE WPS VARIABLES SHAP         JUFACTURER.	E (PSI) 1.9X10 <sup>6</sup> 1.6X10 <sup>6</sup> 1.8X10 <sup>6</sup> ALL CONFORM WITH AME CHEDULE 40. OLLOWS: NS: AST AST AST AST AST AST AST COR BUILDING CONSTRU ROCEDURE SPECIFICATION LL BE WITHIN THE PARA	285 180 230 ERICAN INSTITUTE ( M A500 (F <sub>Y</sub> = 46 KSI) M A36 (F <sub>Y</sub> = 36 KSI) M A992 (F <sub>Y</sub> = 50 KSI) M A53 GR.B (F <sub>Y</sub> = 35 M F1554 (F <sub>Y</sub> = 36 KS ONS (WPS) AS METERS ESTABLIS
•	LVL DOUGLAS FIR-LARCH GLU-LAM UCTURAL STEEL STEEL DESIGN, FABRICATIO STEEL DESIGN, FABRICATIO STEEL CONSTRUCTION. STEEL PIPE COLUMNS SHA STEEL GRADE AND SPECIF • HOLLOW STRUCTU • CHANNELS, PLATES • WIDE FLANGES: • STEEL PIPE COLUM • ANCHOR RODS: BOLTS SHALL CONFORM TO WELDING SHALL CONFORM BE PERFORMED IN ACCOR REQUIRED IN AWS D1.1. TH BY THE FILLER-METAL MAN WELDS SHALL USE E70XX F	Fb (PSI)         3100         900         2400         ON, AND ERECTION SHA         ALL BE A MINIMUM OF SO         CICATION SHALL BE AS F         RAL SECTIONS:         S, ANGLES, AND COLUM         IN         O ASTM A307         A TO THE AWS CODES F         DANCE TO WELDING PF         IE WPS VARIABLES SHA         JUFACTURER.         ELECTRODES AND A MIN         FIELD WELDS MAY BE S	E (PSI) 1.9X10 <sup>6</sup> 1.6X10 <sup>6</sup> 1.8X10 <sup>6</sup> ALL CONFORM WITH AME CHEDULE 40. OLLOWS: NS: AST AST AST AST COR BUILDING CONSTRU ROCEDURE SPECIFICATION LL BE WITHIN THE PARA NIMUM OF 3/16" SIZE UNI	285 180 230 ERICAN INSTITUTE ( M A500 (F <sub>Y</sub> = 46 KSI) M A36 (F <sub>Y</sub> = 36 KSI) M A992 (F <sub>Y</sub> = 50 KSI) M A53 GR.B (F <sub>Y</sub> = 35 M F1554 (F <sub>Y</sub> = 36 KS) CTION, WELDING S ONS (WPS) AS METERS ESTABLIS LESS NOTED
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### F. <u>STAIRWAYS</u>

STAIRWAYS SHALL PROVIDE A MAXIMUM 7-3/4" RISE AND A MINIMUM 10" RUN.

REQUIRED GUARD RAILS AT OPEN-SIDED WALKING SURFACES, INCLUDING STAIRS, PORCHES, BALCONIES, OR LANDINGS, SHALL NOT BE LESS THAN 36" HIGH MEASURED VERTICALLY ABOVE THE ADJACENT WALKING SURFACE.

- EXCEPTION (1): GUARD RAILS ON THE OPEN SIDES OF STAIRS SHALL HAVE A HEIGHT NOT LESS THAN 34" MEASURED VERTICALLY FROM A LINE CONNECTING THE LEADING EDGES OF THE TREADS.
- EXCEPTION (2): WHERE THE TOP OF THE GUARD ALSO SERVES AS A HANDRAIL ON THE • OPEN SIDES OF STAIRS, THE TOP OF THE GUARD SHALL NOT BE LESS THAN 34" AND NOT MORE THAN 38" MEASURED VERTICALLY FROM A LINE CONNECTING THE LEADING EDGES OF THE TREADS.

GUARD RAIL ENCLOSURES SHALL HAVE INTERMEDIATE RAILS OF ORNAMENTAL PATTERNS THAT DO NOT ALLOW PASSAGE OF A SPHERE 4" IN DIAMETER.

EACH STAIRWAY OF FOUR OR MORE RISERS SHALL PROVIDE A CONTINUOUS HANDRAIL ON AT LEAST ONE SIDE BETWEEN 34" AND 38" ABOVE THE NOSING OF THE TREADS.

HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION OF 1-1/4" TO 2" OR OTHER APPROVED GRASPABLE SHAPE PER IRC R311.7.8.5.

MINIMUM 6'-8" OF HEADROOM CLEARANCE IS REQUIRED IN STAIRWAYS.

ENCLOSED ACCESSIBLE SPACE UNDER STAIRWAYS SHALL HAVE WALLS AND THE UNDERSIDE OF THE STAIR AND LANDING PROTECTED WITH 1/2" GYPSUM BOARD ON ENCLOSURE PER IRC R302.7.

#### **GARAGES**

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THE GARAGE FLOOR SHALL SLOPE 1/8" PER 12" TO DRAIN OR VEHICLE ENTRY DOORWAYS.

DOORS BETWEEN THE GARAGE AND THE DWELLING TO BE: SELF CLOSING, MINIMUM 1-3/8" SOLID CORE OR HONEYCOMBED STEEL DOOR, AND AT LEAST 20 MINUTE FIRE RATED.

THE GARAGE SHALL BE SEPARATED FROM THE DWELLING AND ITS ATTIC AREAS BY A MINIMUM 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE WHERE A FLOOR/CEILING SPACE IS PROVIDED ABOVE.

THE GARAGE COLUMNS AND BEAMS SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED WITH 1/2" GYPSUM BOARD OR EQUIVALENT.

WHERE HABITABLE SPACE OCCURS ABOVE THE GARAGE FLOOR/CEILING ASSEMBLY SHALL BE PROTECTED WITH A MINIMUM 5/8" TYPE "X" GYPSUM BOARD ON THE GARAGE CEILING.

GARAGE DOOR AND FRAME – THE "H" FRAME FOR THE ATTACHMENT OF THE TRACK AND COUNTER BALANCE SHALL CONSIST OF THE FOLLOWING: 2X6 VERTICAL JAMBS RUNNING FROM THE FLOOR TO CEILINGS, ATTACHED WITH 1-3/4" X 0.120" NAILS AT 7" O.C. STAGGERED WITH (7) 3-1/4" X 0.120" NAILS THROUGH THE JAMB INTO THE HEADER, 2X8 HEADER (MINIMUM) FOR ATTACHMENT OF COUNTER BALANCE SYSTEM.

GARAGE VEHICLE DOORS AND FRAMES SHALL BE DESIGNED AND INSTALLED TO MEET THE 115 MPH WIND LOAD REQUIREMENT OF DASMA 108 AND ASTM E330-96 (IRC R301.2.1).

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THE ROOF IS DESIGNED FOR 20 PSF GROUND SNOW LOAD (MINIMUM).

PROVIDE 2X SOLID BLOCKING SUPPORT BELOW ALL POINT LOADS CONTINUOUS TO BEARING STRUCTURE AND/OR FOUNDATION BELOW.

ROOF IS ENGINEERED TO COMPLY WITH IRC R802.

ROOF TO BE ASPHALT SHINGLES UNO AND SHALL COMPLY WITH IRC 2018 SECT. R905.2

MINIMUM ROOF SLOPE FOR ASPHALT SHINGLES SHALL BE 2:12.

ROOF SLOPES IN BETWEEN 2:12 AND 4:12 SHALL REQUIRE DOUBLE UNDERLAYMENT IN ACCORDANCE WITH IRC 2018 SECTION R905.2.2:

"APPLY A 19-INCH (483MM) STRIP OF UNDERLAYMENT FELT PARALLEL TO AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT THE EAVE, APPLY 36-INCH-WIDE (914 MM) SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS 19 INCHES (483MM), AND FASTENED SUFFICIENTLY TO HOLD IN PLACE, END LAPS SHALL BE 4-INCH (102MM) AND SHALL BE OFFSET BY 6 FEET (1829 MM). DISTORTIONS IN THE UNDERLAYMENT SHALL NOT INTERFERE WITH THE ABILITY OF THE SHINGLES TO SEAL."

#### SAFETY REQUIREMENTS

#### I.1 EMERGENCY EGRESS AND RESCUE

PROVIDE ONE WINDOW FROM EACH BEDROOM THAT HAS A MINIMUM OPENABLE AREA OF 5.7 SQ. FT. WITH A MINIMUM OPENABLE HEIGHT OF 24" AND WIDTH OF 20".

SMOKE AND CARBON MONOXIDE SAFETY (PER IRC R314)

BASEMENT EGRESS TO MEET THE REQUIREMENTS OF IRC R310.

PROVIDE SMOKE ALARMS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING AREA AND ON EACH FLOOR INCLUDING BASEMENTS.

SMOKE ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE DWELLING.

CARBON MONOXIDE DETECTORS SHALL BE INSTALLED AS REQUIRED PER IRC R315.

#### ENERGY REQUIREMENTS

LIGHTING FIXTURES PENETRATING THE THERMAL ENVELOPE SHALL BE IC-RATED, LEAKAGE RATED AND SEALED TO THE GYPSUM WALLBOARD AS REQUIRED PER IRC N1102.4.5.

PROGRAMMABLE THERMOSTATS SHALL BE INSTALLED AS REQUIRED PER IRC N1103.1.1.

AIR HANDLERS SHALL BE RATED FOR MAXIMUM 2% AIR LEAKAGE RATE PER IRC N1103.3.2.1. BUILDING FRAMING CAVITIES SHALL NOT BE USED AS DUCTS OR PLENUMS.

HOT WATER PIPES SHALL BE INSULATED AS REQUIRED PER IRC N1103.4.

ALL EXHAUST FANS SHALL TERMINATE TO THE BUILDING EXTERIOR AS REQUIRED PER IRC M1504.3.

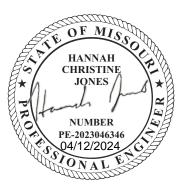
MAKEUP AIR SYSTEMS SHALL BE INSTALLED FOR KITCHEN EXHAUST HOODS THAT EXCEED 400 CFM AS REQUIRED PER IRC M1503.6.

AN AIR HANDLING SYSTEM SHALL NOT SERVE BOTH THE LIVING SPACE AND THE GARAGE PER IRC M1601.6 ENERGY CONSERVATION.

#### ABBREVIATIONS

CMU CXN CONT DBL DIA EW EFF EL EC EOR EQ EQUIV	CONNECTION CONTINUOUS DOUBLE DIAMETER EACH WAY EFFECTIVE ELEVATION END CONDITION ENGINEER OF RECORD EQUAL EQUIVALENT		EX FV FF FJ FTG FND HDR HORZ MIN NTS OC PED PCF PLF PSI PT RAF SIP STL TYP UNO	FOOTING FOUNDATION HEADER HORIZONTAL MAXIMUM MINIMUM NOT TO SCALE ON CENTER PEDESTAL POUNDS PER CUBIC FOOT POUNDS PER LINEAR FOOT POUNDS PER SQUARE FOOT POUNDS PER SQUARE FOOT POUNDS PER SQURE INCH PRESSURE TREATED RAFTER
EQUIV EFP	EQUIVALENT EQUIVALENT FLUID PRESSURE	•	UNO VERT	





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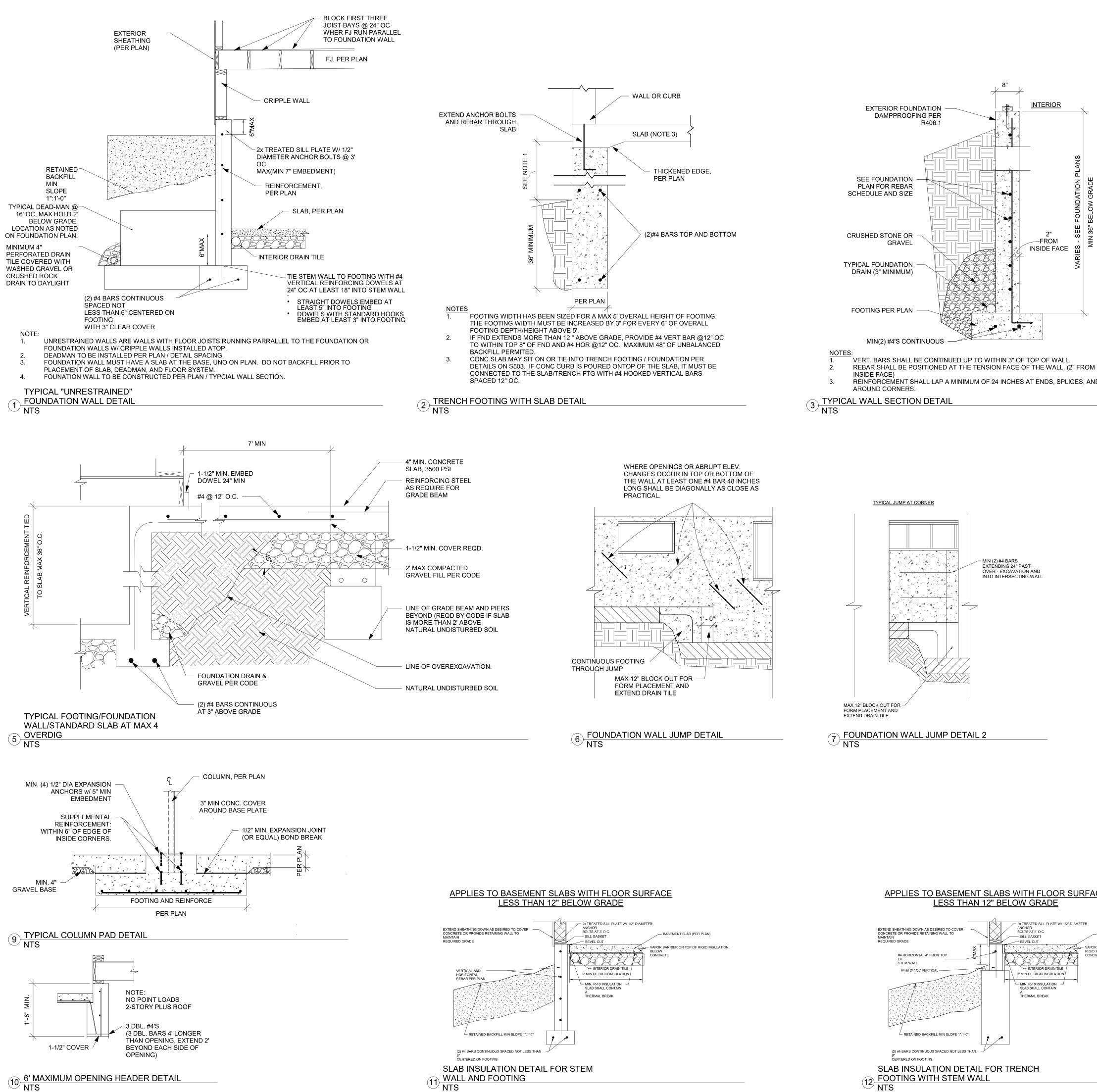
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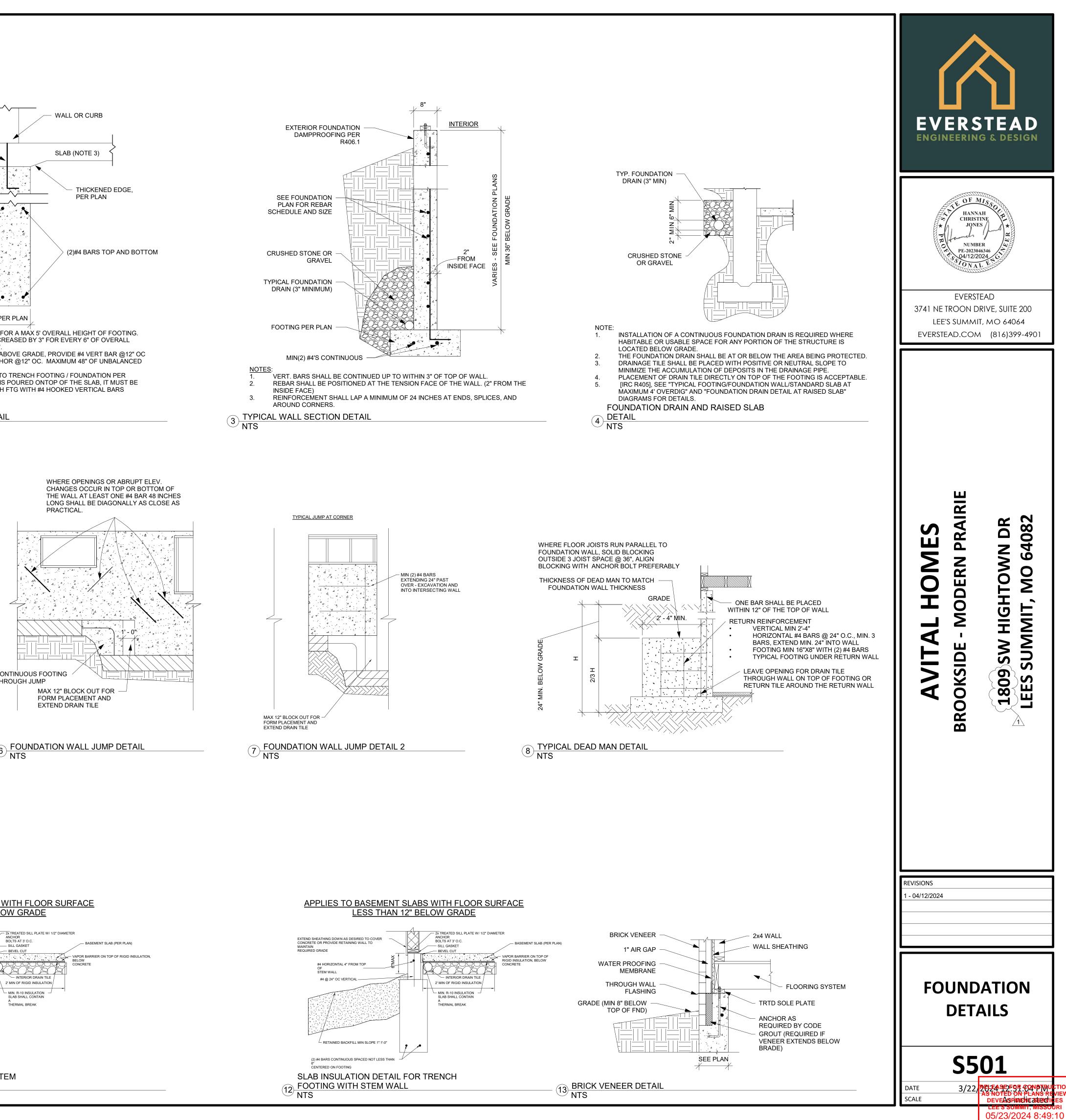
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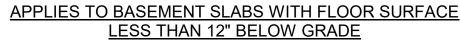
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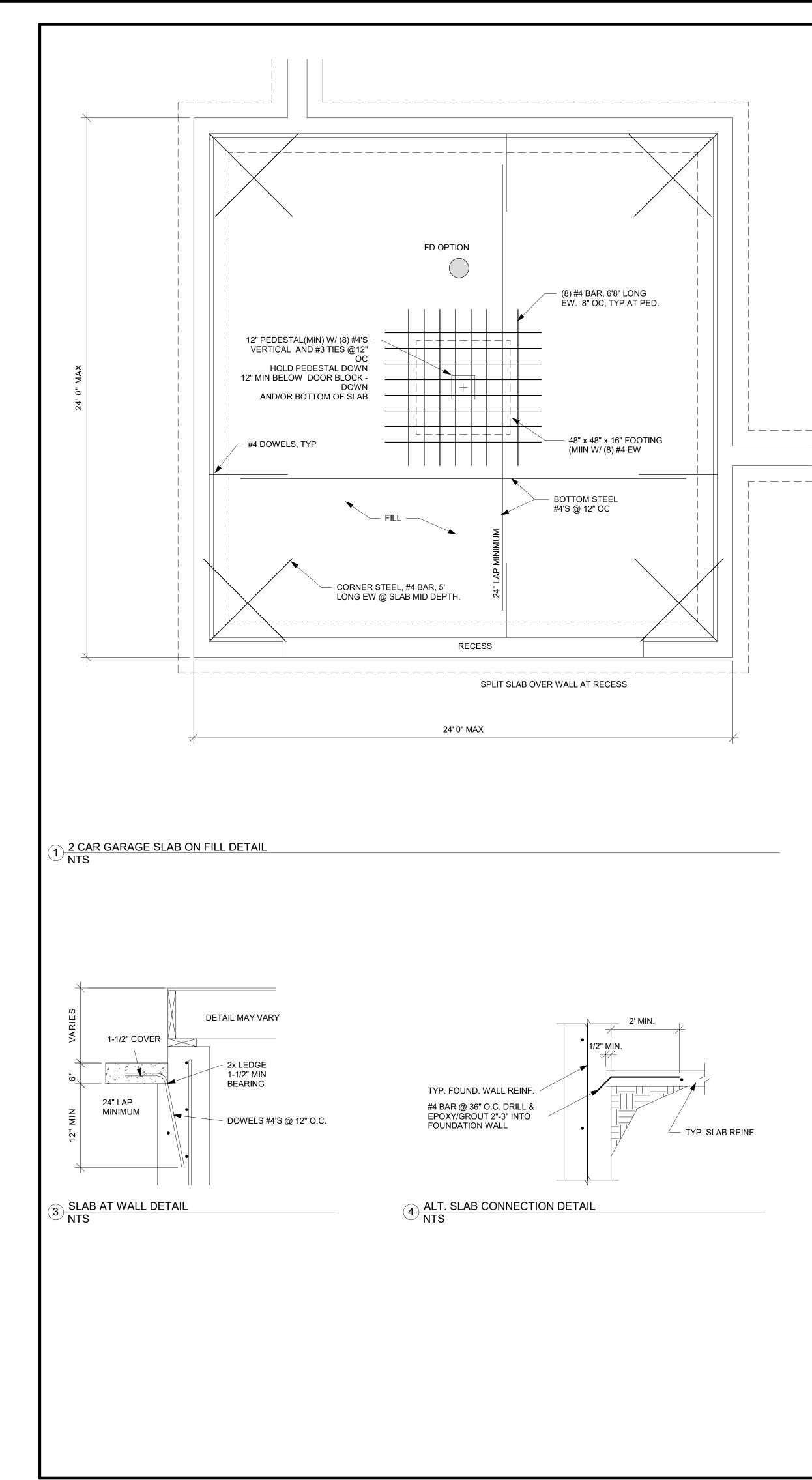
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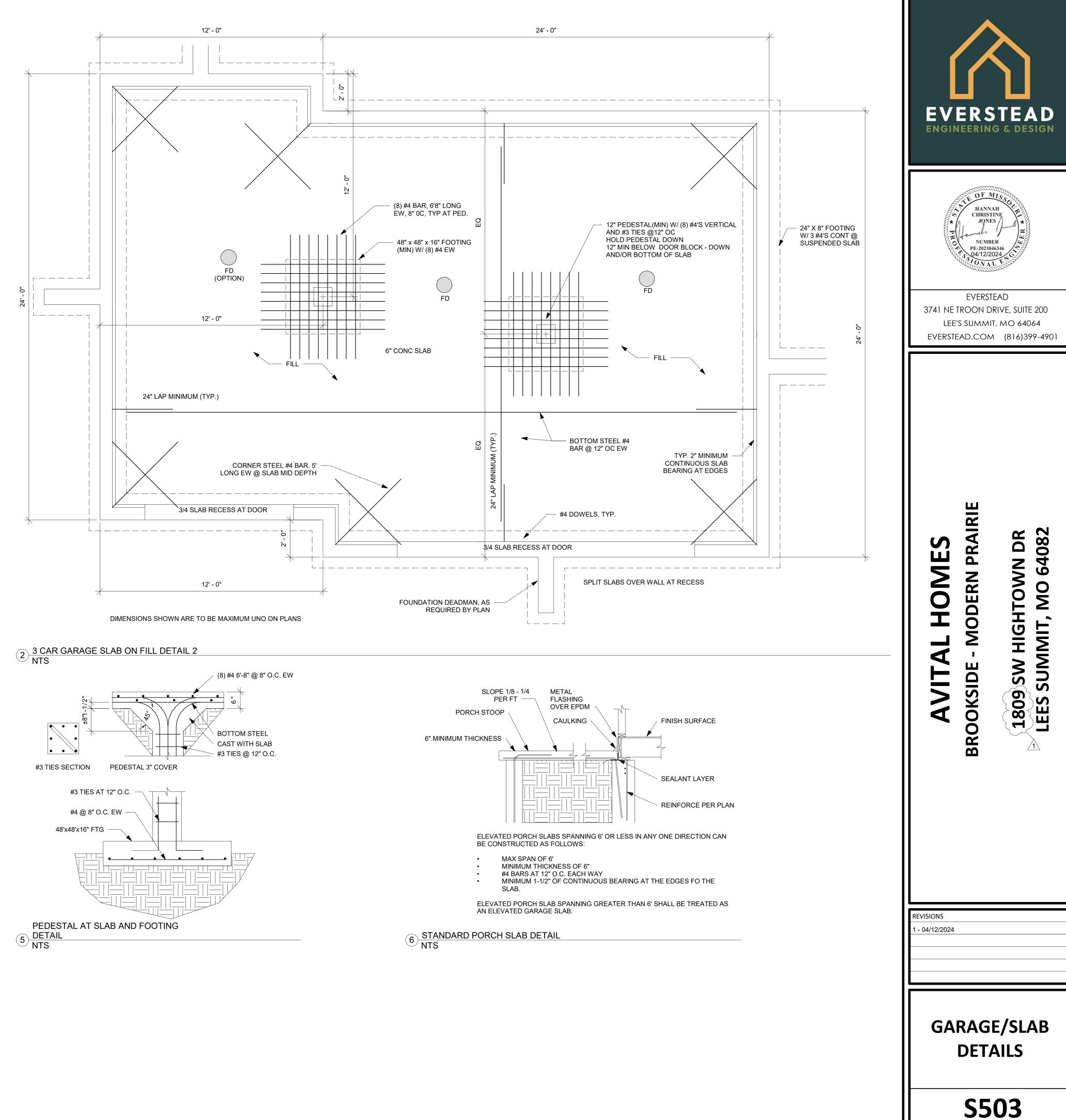
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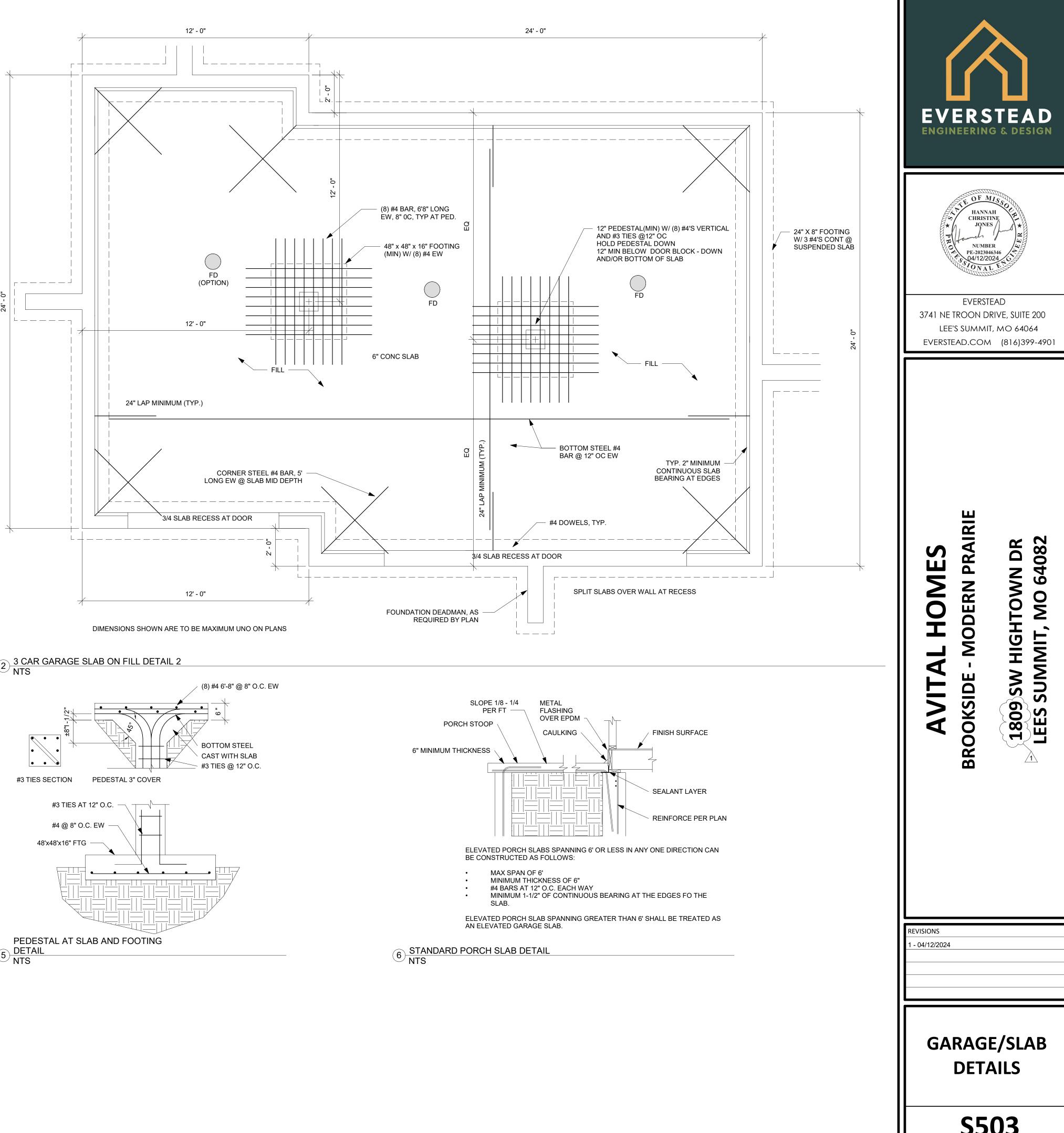




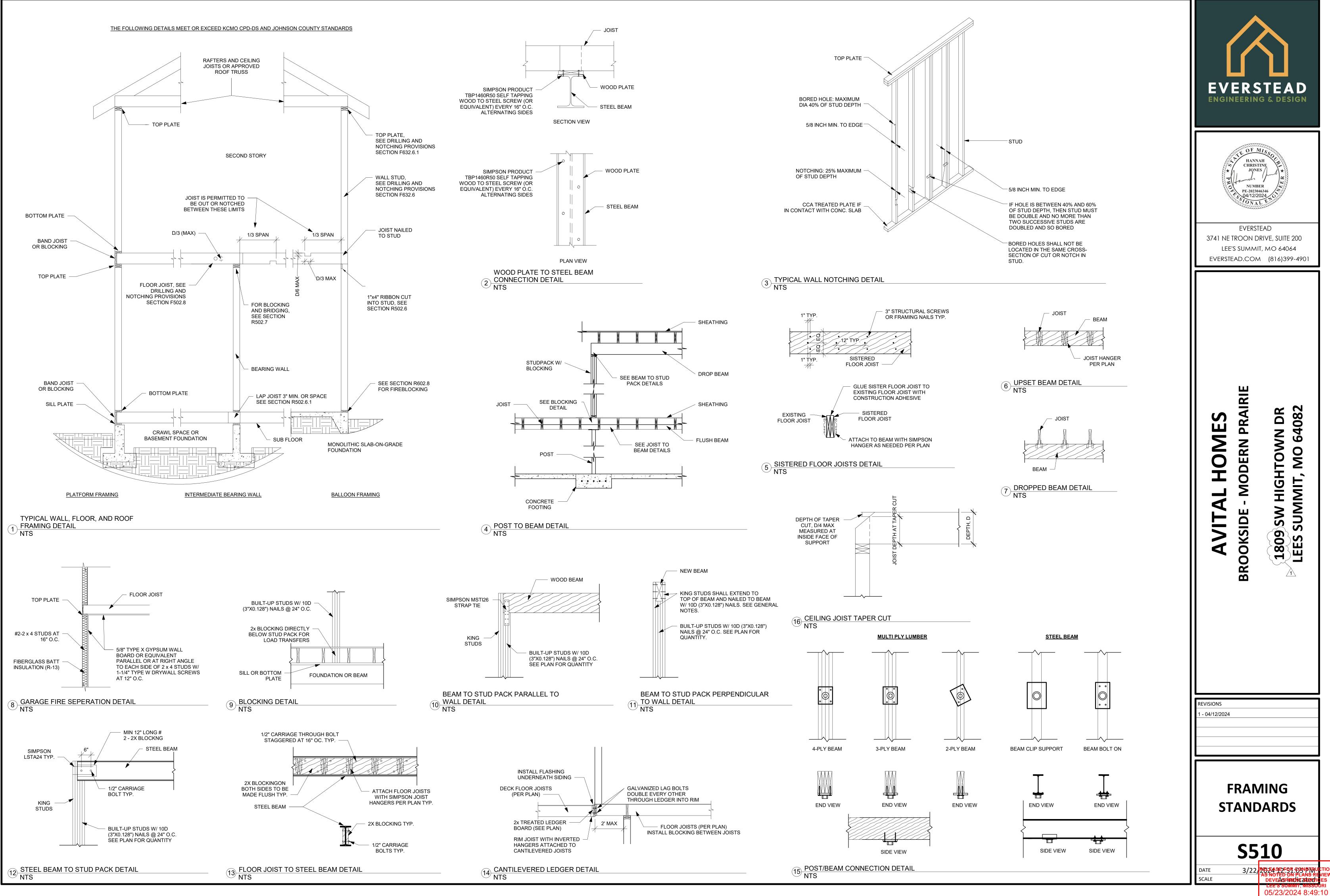


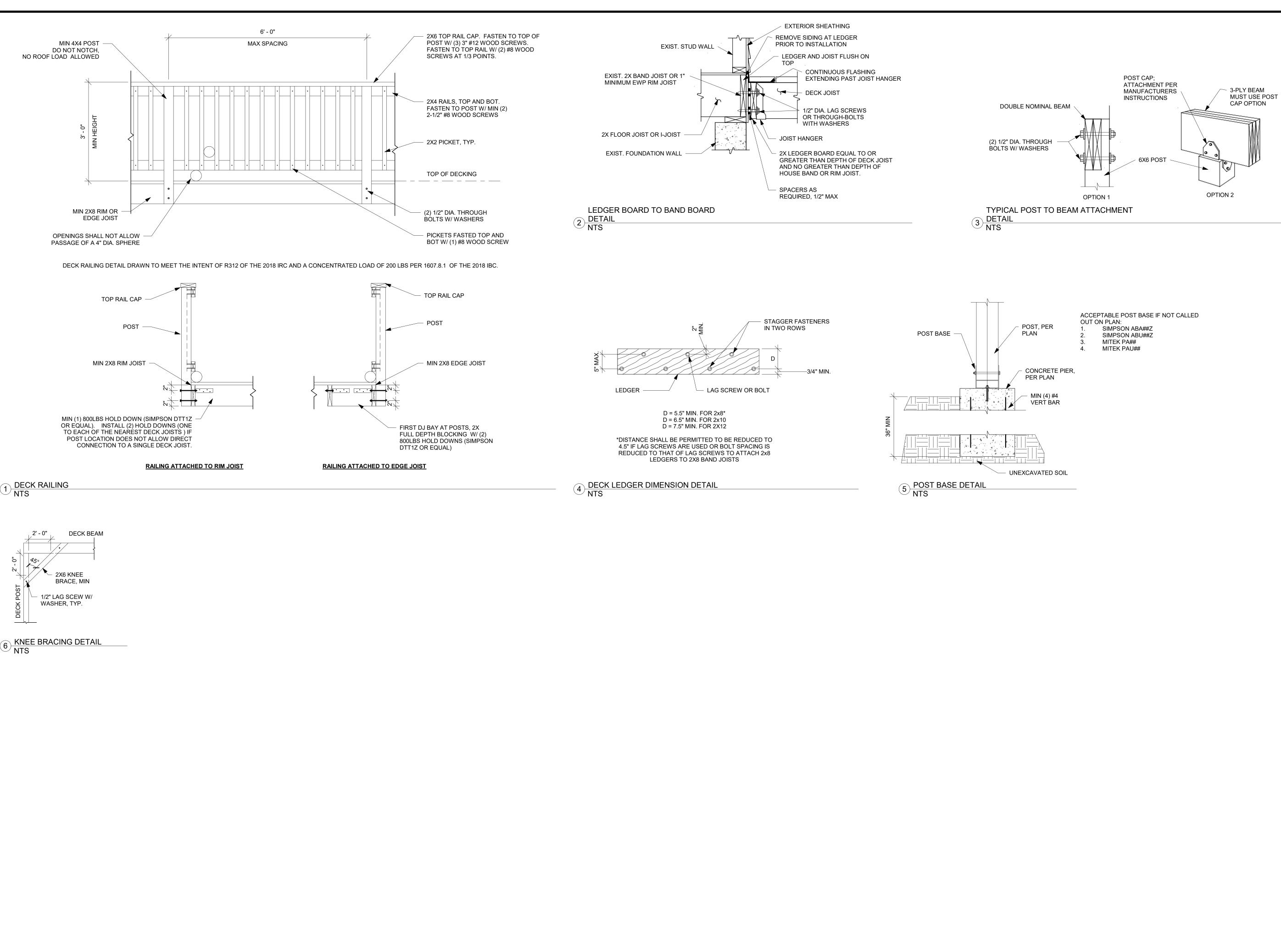


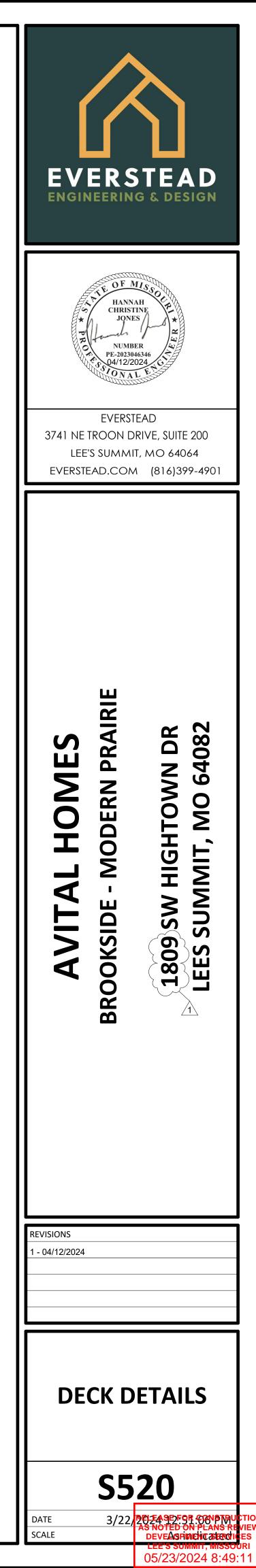


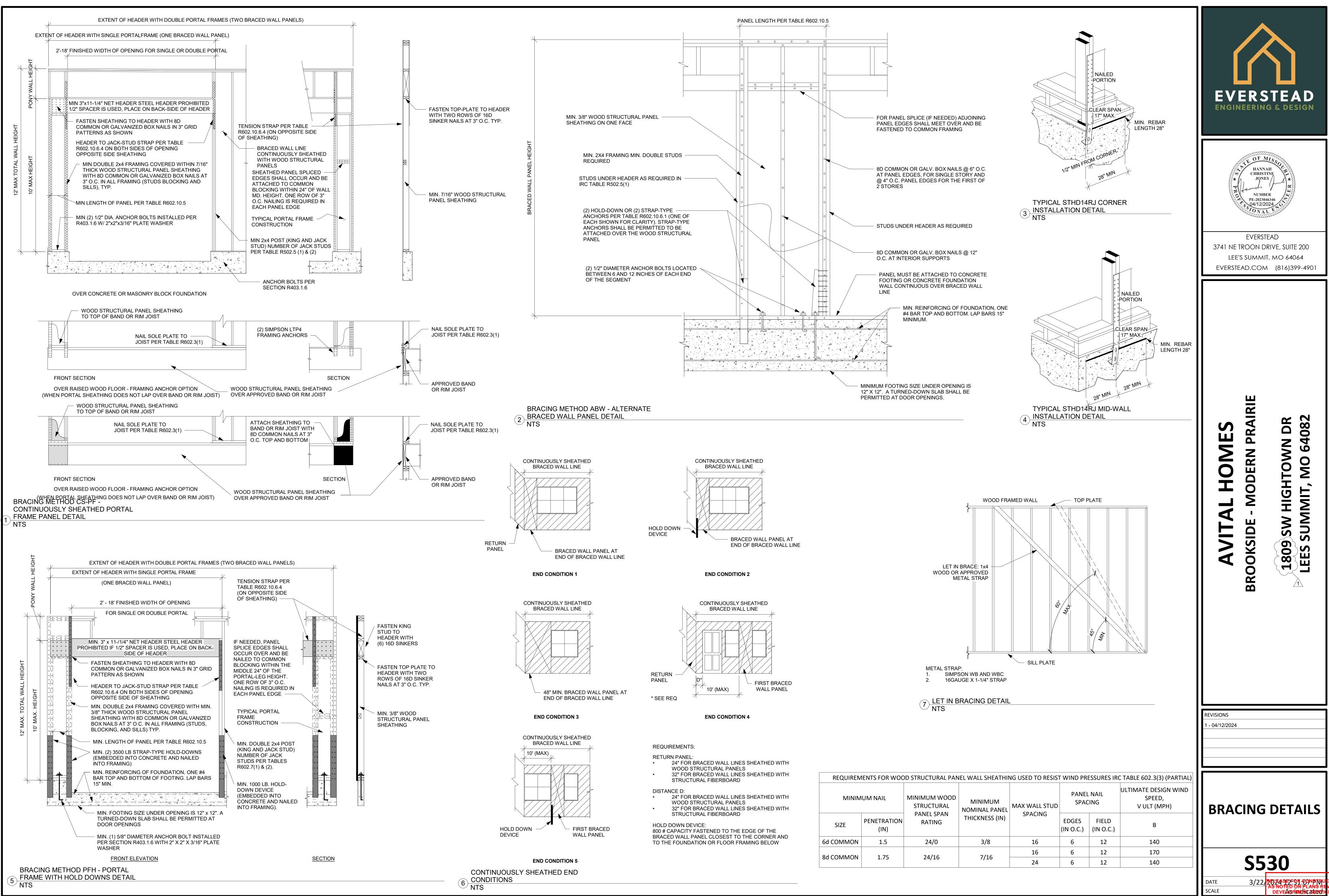


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	MINIMUM	CONNECTION CRITERIA			
METHODS, MATERIAL	THICKNESS	FASTENERS	SPACING		
WSP - WOOD STRUCTURAL PANEL AND CS-WSP CONTINUOUSLY SHEATHED	3/8" PANEL W/ MINIMUM 24/0 STRUCTURAL PANEL SPAN RATING	6d COMMON NAILS (2.0" x .113") W/ MINIMUM 1.5" PENETRATION	6" EDGES, 12 FIELD		
WOOD STRUCTURAL PANEL	7/16" PANEL W/ MINIMUM 24/16 STRUCTURAL PANEL SPAN RATING	8d COMMON NAILS (2.5" x .131") W/ MINIMUM 1.75" PENETRATION	6" EDGES, 12' FIELD		
PFH - PORTAL FRAME WITH HOLD-DOWNS	3/8"	SEE DETAIL ON THIS PAGE	SEE DETAIL C THIS PAGE		
PFG - PORTAL FRAME AT GARAGE	3/8"	SEE IRC SECTION R602.10.6.3	SEE IRC SECTIO R602.10.6.3		
LIB LET-IN-BRACING	1x4 WOOD OR APPROVED METAL	WOOD: 2-8d COMMON NAILS OR 3-8d (2-1/2" LONG x .113" DIA.) NAILS	WOOD: PER ST AND TOP AND BOTTOM PLATE		
	STRAPS AT 45 TO 60 DEGREE ANGLES FOR MAX 16" STUD SPACING	SIMPSON WB/WBC INSTALLED IN "X" PAIRS OR IN OPPOSING "V" FASHION AND FASTENED W/ (2) 16d COMMON NAILS FOR PLATE AND (1) 8d COMMON NAIL FOR STUDS	METAL: PER ST AND TOP ANE BOTTOM PLATE		
		1/2" INTERIOR SHEATHING W/ STUDS AT 16" O.C.: 13 GAGE, 1-3/8" LONG, 19/64" HEAD; .098" DIA., 1-1/4" LONG, ANNULAR-RINGED; 5d COOLER NAIL, .086" DIA., 1-5/8" LONG, 15/64" HEAD; OR GYPSUM BOARD NAIL, .086" DIA. 1-5/8" LONG, 9/32" HEAD PER TABLE R702.3.5 (SEE TABLE FOR OTHER PANEL THICKNESS OPTIONS)	FOR ALL BRAC WALL PANEL LOCATIONS: EDGES (INCLUDING TO AND BOTTOM PLATES) 7" FIE		
GB-GYPSUM BOARD	1/2"	EXTERIOR 1/2" SHEATHING: 1-1/2" GALVANIZED ROOFING NAIL; STAPLE GALVANIZED, 1-1/2" LONG; 1-1/4" SCREWS, TYPE W OR S PER TABLE R602.3(1)			
		EXTERIOR 5/8" SHEATHING: 1-3/4" GALVANIZED ROOFING NAIL; STAPLE GALVANIZED, 1-5/8" LONG; 1-5/8" SCREWS, TYPE W OR S PER TABLE R602.3(1)			

DESCRIPTION OF BUILDING MATERIALS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION OF FASTENERS	DESCRIPTION OF BUILDING MATERIALS	NUMBER AND TYPE OF FASTENER		ND LOCATION STENERS
	ROOF			FLOOR		
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	4-8d BOX (2-1/2"x0.113") OR 3-8d COMMON (2-1/2"x0.131") OR 3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS	TOE NAIL	JOIST TO SILL, TOP PLATE, OR GIRDER	4-8d BOX (2-1/2"x0.113") OR 3-8d COMMON (2-1/2"x0.131") OR 3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS	TOE NAIL	
	4-8d BOX (2-1/2"x0.131") OR			8d BOX (2-1/2"x0.113")		
CEILING JOISTS TO PLATE	3-8d COMMON (2-1/2"x0.131") OR 3-10 BOX (3"x0.128") OR 3-3"x0.131" NAILS	TOE NAIL	RIM JOIST, BAND JOIST OR BLOCKING TO SILL OR TOP PLATE (ROOF APPLICATIONS ALSO)	8d COMMON (2-1/2"x0.131") OR 10d BOX (3"x0.128") OR 3"x0.131" NAIL	6" O.C. TOE NAIL	
CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTER LAPS OVER PARTITIONS	4-10d BOX (3"x0.128") OR 3-16d COMMON (3-1/2"x0.162") OR 4-3"x0.131" NAILS	FACE NAIL	1"x6" SUBFLOOR OR LESS TO EACH JOIST	3-8d BOX (2-1/2"x0.113") OR 2-8d COMMON (2-1/2"x0.131") OR 3-10d BOX (3"x0.128") OR 2 STAPLES, 1" CROWN, 16 GA., 1-3/4" LONG	FACE NAIL	
COLLAR TIE TO RAFTER, FACE NAIL OR 1-1/4"x20 GAGE RIDGE STRAP	4-10d BOX (3"x0.128") OR 3-10d COMMON (3"x0.148") OR 4-3"x0.131" NAILS	FACE NAIL EACH RAFTER	2" SUBFLOOR TO JOIST OR GIRDER	3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162")	BLIND AND FACE NAIL	
RAFTER OR ROOF TRUSS TO TOP PLATE, TOE NAIL	4-16d BOX (3-1/2"x0.135") OR 3-10d COMMON (3"x0.148") OR 4-10d BOX (3"x0.128") OR 4-3"x0.131" NAILS	2 TOE NAILS ON ONE SIDE AND 1 TOE NAIL ON OPPOSITE SIDE OF EACH RAFTER OR TRUSS	2" PLANKS (PLANK & BEAM-FLOOR & ROOF)	3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162")	AT EACH BEARING FACE NAIL	
ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS	4-16d BOX (3-1/2"x0.135") OR 3-10d COMMON (3"x0.148") OR 4-10d BOX (3"x0.128") OR 4-3"x0.131" NAILS	TOE NAIL	BAND OR RIM JOIST TO JOIST	3-16d COMMON (3-1/2"x0.162") OR 4-10d BOX (3"x0.128") OR 4-3"x0.131" NAILS OR 4 3"x14 GA. STAPLES, 7/16" CROWN	END NAIL	
	3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162") OR 3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS	END NAIL		20d COMMON (3"x0.128")	NAIL EACH LAYER AS FOLLOWS: 32 O.C AT TOP END AND BOTTOM AND STAGGERED.	
	WALL		BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS	10d BOX (3"x0.128") OR	24" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSIT SIDES FACE NAIL AT ENDS AND AT EACH SPLICE	
	16d COMMON (3-1/2"x0.162")	24" O.C. FACE NAIL	LUMBER LATERS	3"x0.131" NAIL		
STUD TO STUD (NOT AT BRACED WALL PANELS)	10d BOX (3"x0.128") OR 3"x0.131" NAIL	16" O.C. FACE NAIL		AND: 2-20d COMMON (4"x0.192") OR 3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS		
STUD TO STUD AND ABUTTING STUDS AT INTERSECTION WALL CORNERS (AT BRACED WALL PANELS)	16d BOX (3-1/2"x0.135") OR 3"x0.131" NAIL	12" O.C. FACE NAIL		4-16d BOX (3-1/2"x0.135") OR	AT EACH JOIST OR RAFTER, FACE NAIL	
	16d COMMON (3-1/2"x0.162")	16" O.C. FACE NAIL	LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	3-16d COMMON (3-1/2"x0.162") OR 4-10d BOX (3"x0.128") OR 4-3"x0.131" NAILS		
BUILT-UP HEADER, TWO PIECES WITH 1/2" SPACER	16d COMMON (3-1/2"x0.162") 16d BOX (3-1/2"x0.135")	16" O.C. EACH EDGE FACE NAIL	BRIDGING OR BLOCKING TO JOIST	2-10d BOX (3"x0.128") OR 2-8d COMMON (2-1/2"x0.131") OR 2-3"x0.131" NAILS	EACH EI	ND, TOE NAIL
CONTINUOUS HEADER TO STUD	5-8d BOX (2-1/2"x0.113") OR 4-8d COMMON (2-1/2"x0.131") OR 4-10d BOX (3"x0.128")	TOE NAIL	DESCRIPTION OF BUILDING MATERIALS	NUMBER AND TYPE OF FASTENER	EDGES (IN)	INTERMEDIATE SUPPORTS (IN)
TOP PLATE TO TOP PLATE	16d COMMON (3-1/2"x0.162")	16" O.C. FACE NAIL		WOOD STRUCTURAL PANELS, SUBFLOOR, ROOF AND INTERIOR WALL SHEATHING TO FRAMING PARTICLEBOARD WALL SHEATHING TO FRAMING [SEE TABLE R602.3(3) FOR WOOD STRUCTURAL PANEL EXTERIOR WALL SHEATHING TO WALL FR		
	10d BOX (3"x0.128") OR 3"x0.131" NAIL	12" O.C. FACE NAIL		6d COMMON (2"x0.113") NAIL (SUBFLOOR,		
DOUBLE TOP PLATE SPLICE	8-16d COMMON (3-1/2"x0.162") OR 12-16d BOX (3-1/2"x0.135") OR 12-10d BOX (3"x0.128") OR 12-3"x0.131" NAILS	FACE NAIL ON EACH SIDE OF END JOINT (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)	3/8" - 1/2"	WALL) OR 8d COMMON (2-1/2"x0.131") NAILS (ROOF) OR RSRS-01 (2-3/8"x0.113") NAIL (ROOF)	6	12
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST, OR BLOCKING (NOT BRACED WALL PANELS)	16d COMMON (3-1/2"x0.162")	16" O.C. FACE NAIL	19/32" - 1"	8d COMMON NAIL (2-1/2"x0.131") OR RSRS-01 (2-3/8"x0.113") NAIL (ROOF)	6	12
	-16d BOX (3-1/2"x0.135") OR	12" O.C. FACE NAIL			++	
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST, OR BLOCKING (AT	3"x0.131" NAIL 3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162") OR	3 EACH 16" O.C. FACE NAIL 2 EACH 16" O.C. FACE NAIL	1-1/8" - 1-1.4"	10d COMMON (3"x0.148") NAIL OR 8d (2-1/2"x0.131") DEFORMED NAIL	6	12
BRACED WALL PANELS)	4-3"x0.131" NAILS	4 EACH 16" O.C. FACE NAIL		OTHER WALL SHEATHING	1	1
TOP OR BOTTOM PLATE TO STUD	4-8d BOX (2-1/2"x0.113") OR 3-16d BOX (3-1/2"x0.135") OR 4-8d COMMON (2-1/2"x0.131") OR 4-10d BOX (3"x0.128") OR	TOE NAIL	1/2" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	1-1/2" GALVANIZED ROOFING NAIL, 7/16" HEAD DIAMETER OR 1-1/4" LONG 16 GA. STAPLE WITH 7/16" OR 1" CROWN	3	6
	4-3"x0.131" NAILS 3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162") OR 3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS 3-10d BOX (3"x0.128") OR	END NAIL	25/32" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	1-3/4" GALVANIZED ROOFING NAIL, 7/16" HEAD DIAMETER OR 1-1/2" LONG 16 GA. STAPLE WITH 7/16" OR 1" CROWN	3	6
			1/2" GYPSUM INTERIOR COVERING (R702.3.5)	1-1/2" GALVANIZED ROOFING NAIL: STAPLE GALVANIZED, 1-1/2" LONG; 1-1/4" SCREWS, TYPE "W" OR "S"	7	7
TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	2-16d COMMON (3-1/2"x0.162") OR 3-3"x0.131" NAILS	FACE NAIL	5/8" GYPSUM INTERIOR COVERING (R702.3.5)	1-3/4" GALVANIZED ROOFING NAIL: STAPLE GALVANIZED, 1-5/8" LONG; 1-5/8" SCREWS,	7	7
1" BRACE TO EACH STUD AND PLATE	3-8d BOX (2-1/2"x0.113") OR 2-8d COMMON (2-1/2"x0.131") OR 2-10d BOX (3"x0.128") OR 2 STAPLES 1-3/4"	FACE NAIL	WOOD STRUCTURAL	TYPE "W" OR "S" PANELS, COMBINATION SUBFLOOR UNDERLA	YMENT TO FRAMIN	G
1"x6" SHEATHING TO EACH BEARING	3-8d BOX (2-1/2"x0.113") OR 2-8d COMMON (2-1/2"x0.131") OR 2-10d BOX (3"x0.128") OR 2 STAPLES, 1" CROWN, 16 GA., 1-3/4" LONG	FACE NAIL	3/4" AND LESS	6d DEFORMED (2"x0.120") NAIL OR 8d COMMON (2-1/2"x0.131") NAIL	6	12
1"x8" AND WIDER SHEATHINGTO EACH BEARING	3-8d BOX (2-1/2"x0.113") OR 3-8d COMMON (2-1/2"x0.131") OR 3-10d BOX (3"x0.128") OR 3 STAPLES, 1" CROWN, 16 GA., 1-3/4" LONG	FACE NAIL	7/8" - 1"	8d COMMON (2-1/2"x0.131") NAIL OR 8d DEFORMED (2-1/2"x0.120") NAIL	6	12
	WIDER THAN 1"x8": 4-8d BOX (2-1/2"x0.113") OR 3-8d COMMON (2-1/2"x0.131") OR 3-10d BOX (3"x0.128") OR 4 STAPLES, 1" CROWN, 16 GA., 1-3/4" LONG		1-1/8" - 1-1/4"	10d COMMON (3"x0.148") NAIL OR 8d DEFORMED (2-1/2"x0.120") NAIL	6	12



### **GENERAL NOTES**

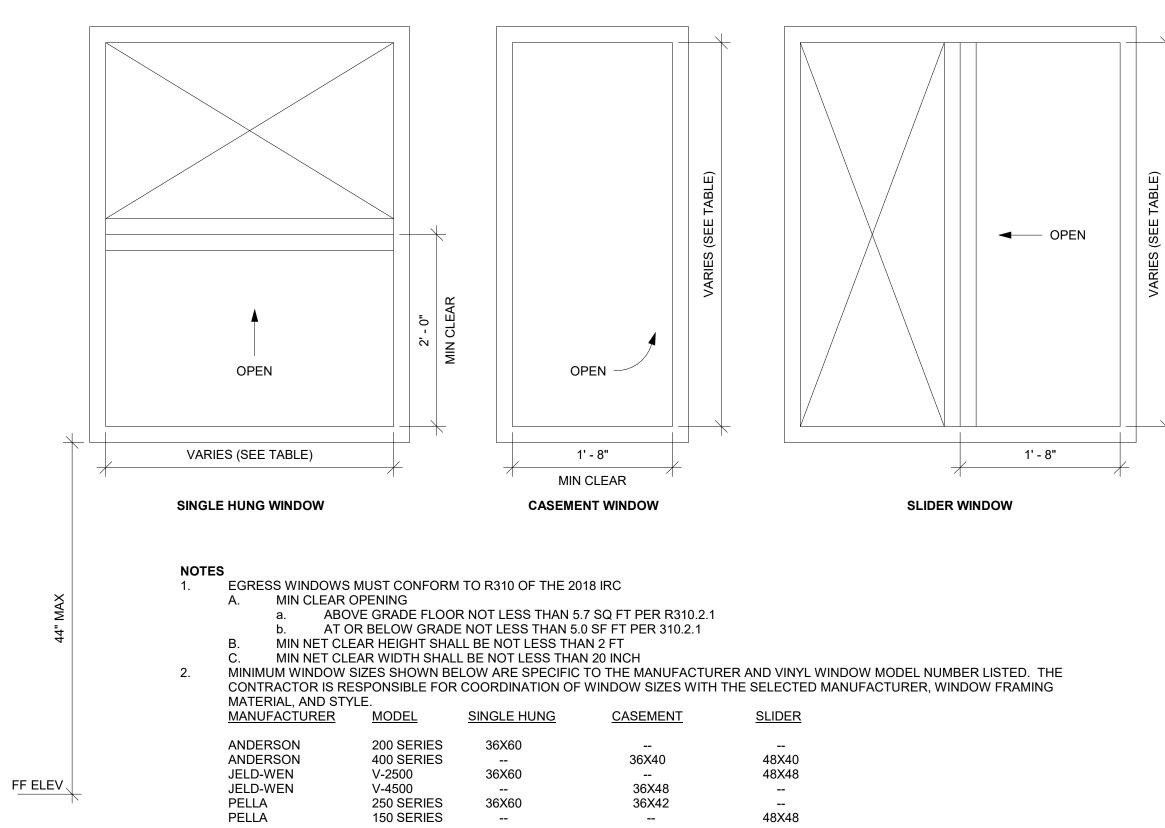
Α.

- ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APPLICABLE. THE INFORMATION PROVIDED ON THIS PLAN SHEET IS DESIGNED AND REVIEWED IN ACCORDANCE WITH THE IRC.
- CONCRETE WINDOW WELLS SHALL BE MINIMUM 3000 PSI COMPRESSIVE STRENGTH. ASSUMED SOIL MINIMUM BEARING CAPACITY 1500 PSF.
- CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS AND DIMENSIONS CRITICAL FOR CONSTRUCTION OF NEW WORK.
- MEANS AND METHODS OF CONTRUCTION ARE OUT OF SCOPE OF THE DESIGN PROVIDED. TEMPORARY SUPPORTS SHALL BE INSTALLED BEFORE REMOVAL OF LOAD BEARING STRUCTURES.
- DIMENSIONAL LUMBER SHALL BE MINIMUM DOUGLAS FIR LARCH NO. 2. LVL BEAMS SHALL HAVE MINIMUM 2.0E AND 3100Fb
- STEEL POST COLUMNS SHALL BE MINIMUM SCHEDULE 40, Fy=35KSI. 10. MINIMUM HEADERS 11.

WINDOW EGRESS (NTS)

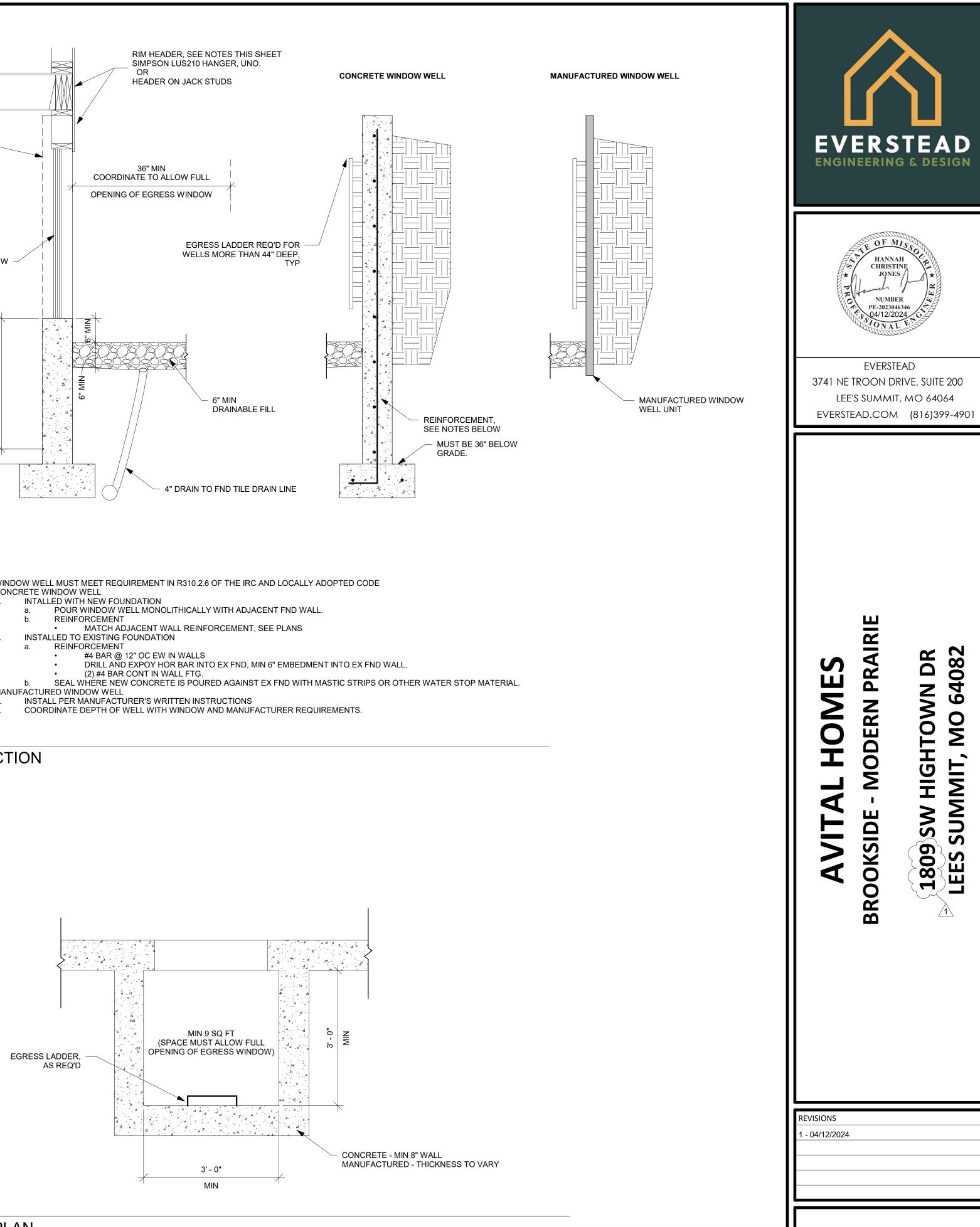
ASSUMES LOADING FOR BUILDING WITH MAXIMIMUM WIDTH OF 36 FT (ROOF WITH 30PSF SNOW LOADS, CEILING, AND TWO FLOORS W/ CENTER BEARING) PER TABLE R602.7(1)

HEADER	MAX CLEAR SPAN	MIN JACK STUDS
(2) 2X10	4'-0"	2
(3) 2X10	5'-1"	2
(2) 2X12	4'-9"	3
(3) 2X12	5'-11"	2
(2) 1.75X9.25 LVL	7'-6"	3
(2) 1.75X11.25 LVL	9'-3"	3

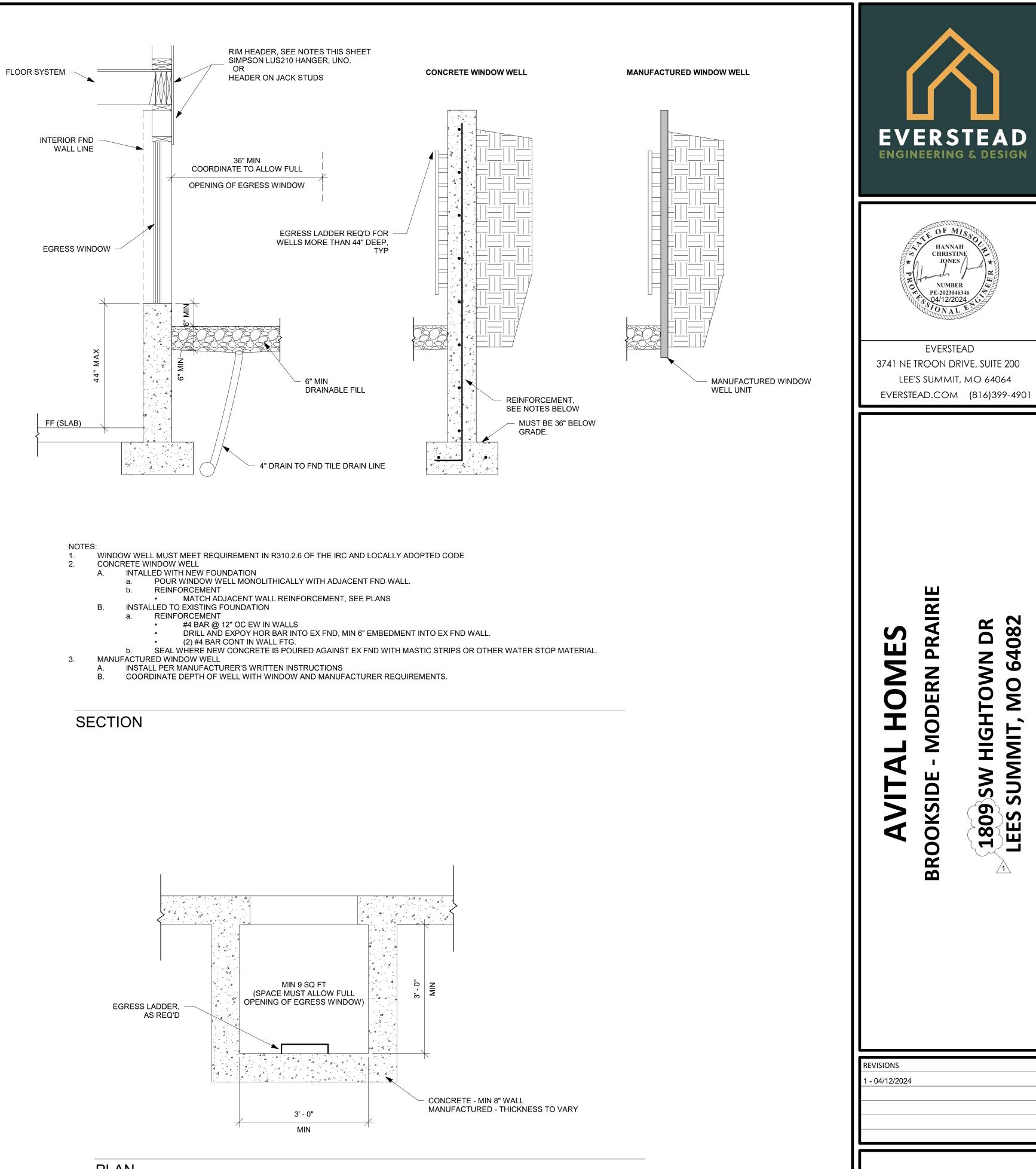


# WINDOW WELL FOR EGRESS (NTS)





- A. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS В.
- MANUFACTURED WINDOW WELL
- B. INSTALLED TO EXISTING FOUNDATION
- Α.
- CONCRETE WINDOW WELL



3/22/2022495597 0805700 AS NOTED ON PLANS RE DEVEASTINE TO STERIOU LEE S SUMM

EGRESS

WINDOWS

**S560** 

DATE SCALE

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