

ELEVATION NOTES

CONFIRM WITH SITE CONDITIONS.

GRADE IS APPROXIMATE AND SHOWN FOR REFERENCE ONLY.

S503

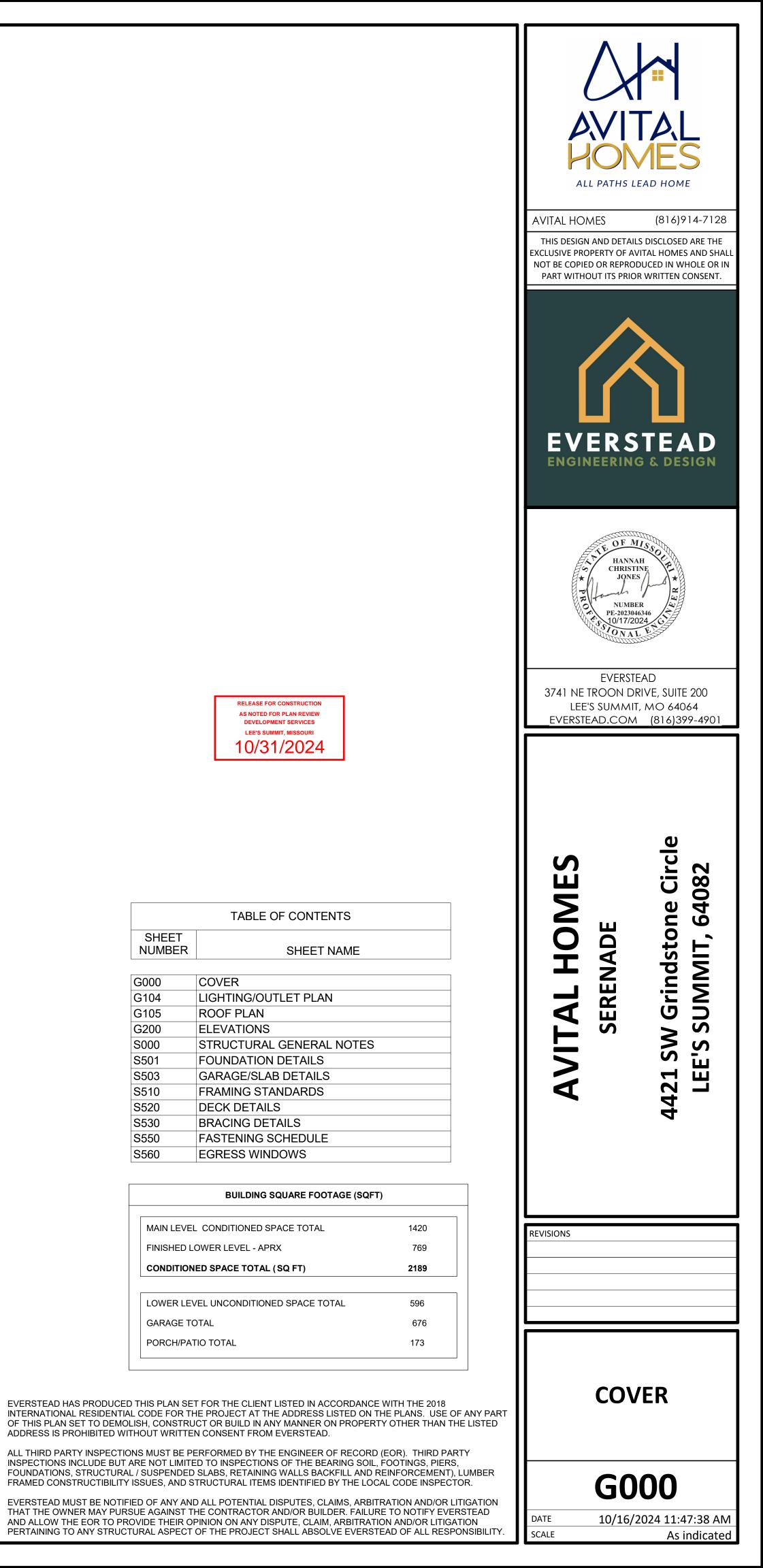
S510

S520

S530

S550

S560



#### 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. FOR NEW CONSTRUCTION, AN ACCESSIBLE CONNECTION POINT TO BE PROVIDED TO A 20 FOOT CONCRETE 11. 12. ENCASED ELECTRODE (FOOTING REBAR) FOR THE ELECTRICAL SERVICE GROUNDING ELECTRODE CONDUCTOR (UFER GROUND).

FOUNDATION WALL AND FOOTING TABLE (3000 PSI CONCRETE AND 40 KSI REBAR PLACED 2" FROM INSIDE TENSION FACE)							
WALL TYPE	NOMINAL WALL VERTICAL SPACING HORIZONTAL SPACING						
3'-6" TRENCH FOOTING	16"	#4 BARS @18" O.C.	(2) #4 BARS TOP & BOT. CONT.				
< 6'-0" WALL		#4 BARS @36" O.C.					
8'-0" WALL	8"	#4 BARS @16" O.C.	-	16" x 8" CONC. FTG. W/ (2) #4 BARS CONT.			
9'-0" WALL		#4 BARS @12" O.C.	#4 BARS @ 24" O.C.				
10'-0" WALL		#4 BARS @8" O.C.	-				
11'-0" WALL	10"	#4 BARS @9" O.C.		24" x 12" CONC. FTG.			
12'-0" WALL	10"	#4 BARS @6" O.C.		W/ (3) #4 BARS CONT.			

	ISC	OLATED	FO	OTINGS AND COLUMN PA	ADS		
SYM	PIER PAD SIZE	DEPTH	RE	MINIMUM EINFORCEMENT 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		
	ISC	OLATED	FO	OTINGS AND COLUMN PA	ADS		
SYM	PIER DIAMETE	R DEP	тн	MINIMUM REINFORCEMENT GRADE 40 KSI STEEL			
G	12"	3'-0	)"	(4) VERTICAL #4			
H	16"	3'-0	)"	(4) VERTICAL #4			
	18"	18" 3'-0"		(4) VERTICAL #4			
ĸ	24"	3'-0	)"	" (4) VERTICAL #4			

\*DENOTES STEEL COLUMN NOT REQUIRED 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.

#### WALL BRACING NOTES:

28"

3'-0"

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- 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

(4) VERTICAL #4

- CONDITIONS SHALL MEET THE REQUIREMENTS OF R602.10.7 AND DETAIL 9-S400. 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" 5.
- 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
E55555555555	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

#### **GENERAL PLAN NOTES**

1.	ALL CONSTRUCTION SHALL CONFO
	RESIDENTIAL CODE OR ATTACHED
	APPLICABLE.
2.	ALL DIMENSIONS ARE FROM FACE
3.	MINIMUM DOUBLE JOIST UNDER IN
4.	CANTILEVERS, OVER BEAMS, AND
5.	CEILING JOISTS SHALL BE 2x6 @ 16
6.	WALL CONSTRUCTION SHALL BE C
	LOADS IMPOSED ACCORDING TO IF
7.	EXTERIOR WALLS SHALL BE CONS
	602 & FIGURES R602.3(1) AND R602
8.	ANY WOOD MEMBERS IN CONTACT
	THE FURRING THEY ARE ATTACHE
	MATERIAL.
9.	INTERIOR NON-LOAD BEARING WA
	FLOOR FRAMING ABOVE UNLESS T
	WALL RESTS DIRECTLY ON A FOOT
10.	SOLID BLOCKING BETWEEN JOISTS
	ONE JOIST BAY PAST EACH SIDE O
11.	DOUBLE JOIST UNDER KITCHEN ISI

## INTERIOR LOAD BEARING WALL

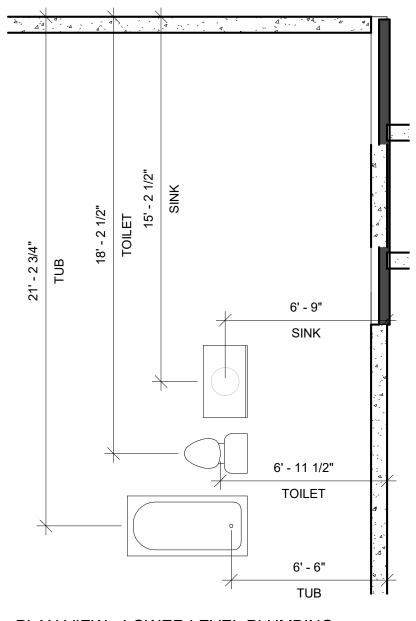
r							
LOWER LEVEL DOOR SCHEDULE							
Count Type Mark Locations							
2	2'4"/6'8"	<varies></varies>					
3	2'6"/6'8"	Bedrooms					
1	3'0"/6'8"	Storage/Mech					
1	3'0"/6'8"CO	Casements					
1	5'0"/6'8"PATIO	Patio Door					

	LOWER LEVEL WINDOW SCHE						
	Count	Type Mark	Comm				
3		5'0"/4'0"SL	Window-Slidi				
	WALL LEGE	END - NEW CON	STRUCTION				
		FOUNDATIC	ON WALL				
	NEW EXTERIOR WALL						

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

1.	ALL WALL DIMENSIONS ARE N
	FACE OF STUD U.N.O.
2.	ALL STRUCTURAL BEAMS AR
	THE CENTER OF THE MEMBE
3.	DOORS AND WINDOWS ARE
	AND INCHES.
4.	VANITIES ARE TAGGED IN INC
5.	ALL CRITICAL DIMENSIONS TO
	VERIFIED BY CONTRACTOR.
6.	ALL TOILETS TO BE INSTALLE
Ŭ.	OF 15" O.C. CLEARANCE ON E

- 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.



2 PLAN VIEW - LOWER LEVEL PLUMBING 1/4" = 1'-0"

FORM TO 2018 INTERNATIONAL D ENGINEER SPECIFICATIONS WHERE

E OF STUD U.N.O. NTERIOR NON-LOAD BEARING WALLS. DOOR JAMBS SHALL BE BLOCKED. 16" O.C. U.N.O. CAPABLE OF ACCOMMODATING ALL

IRC R301. STRUCTED IN ACCORDANCE WITH IRC 2.3(2). CT WITH CONCRETE OR MASONRY (OR

ED TO) SHALL BE OF DECAY RESISTANT ALLS SHALL BE ISOLATED FROM THE

THE INTERIOR NON-LOAD BEARING TS AT 48" O.C. AND EXTEND BLOCKING OF KITCHEN ISLAND

SLAND AND TUBS 12. ALL JOIST HANGERS TO BE SIMPSON LUS HANGERS UNO

SCHEDULE Comments

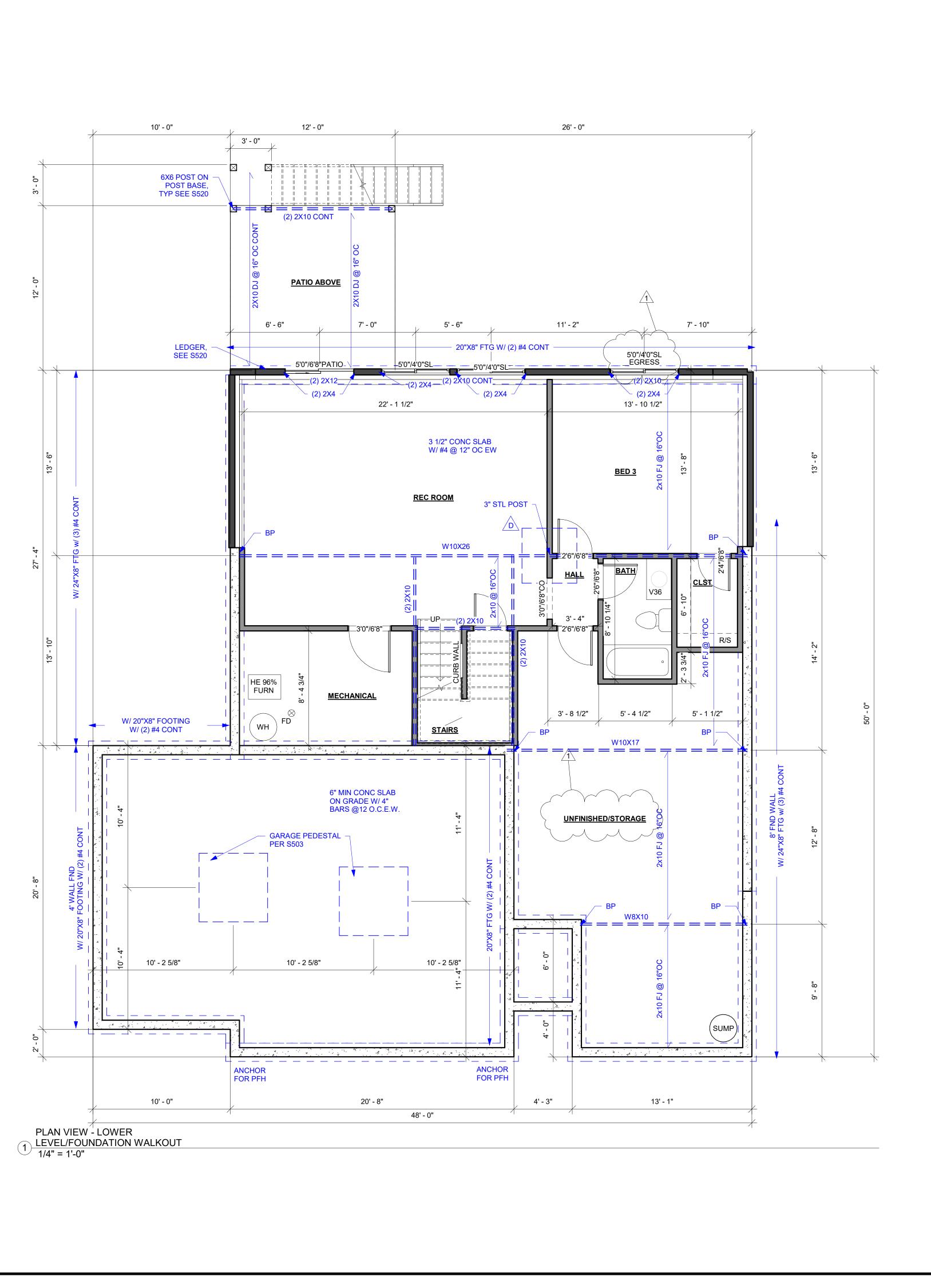
v-Sliding-Double

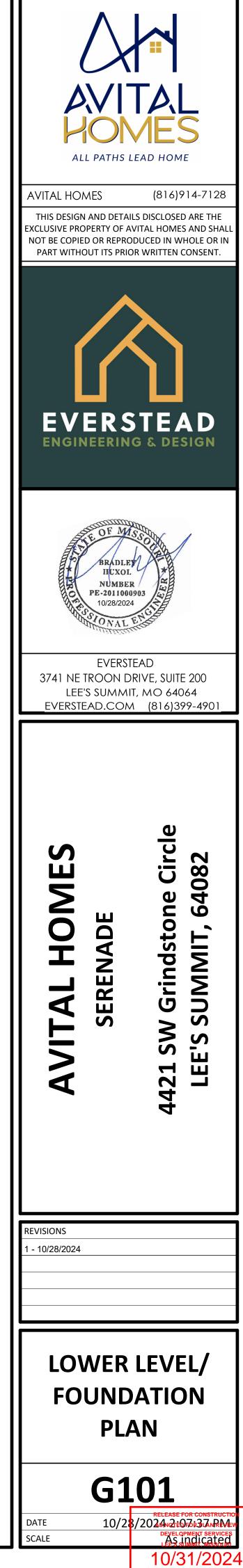
MEASURED TO THE RE MEASURED TO

ER. E TAGGED IN FEET

NCHES. TO BE FIELD

ED WITH A MINIMUM EACH SIDE OF





### **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 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.
- ALL JOIST HANGERS TO BE SIMPSON LUS HANGERS UNO 12.

INTERIOR LOAD BEARING WALL

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- GYPSUM BOARD INSTALLED ON THE INTERIOR SIDE.

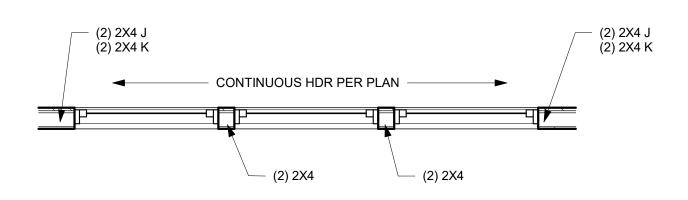
### BRACING METHODS

- 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 L	ENGTH 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



WALL LEGEND - NEW CONSTRUCTION					
	FOUNDATION WALL				
	NEW INTERIOR PARTITION				
	NEW EXTERIOR WALL				

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

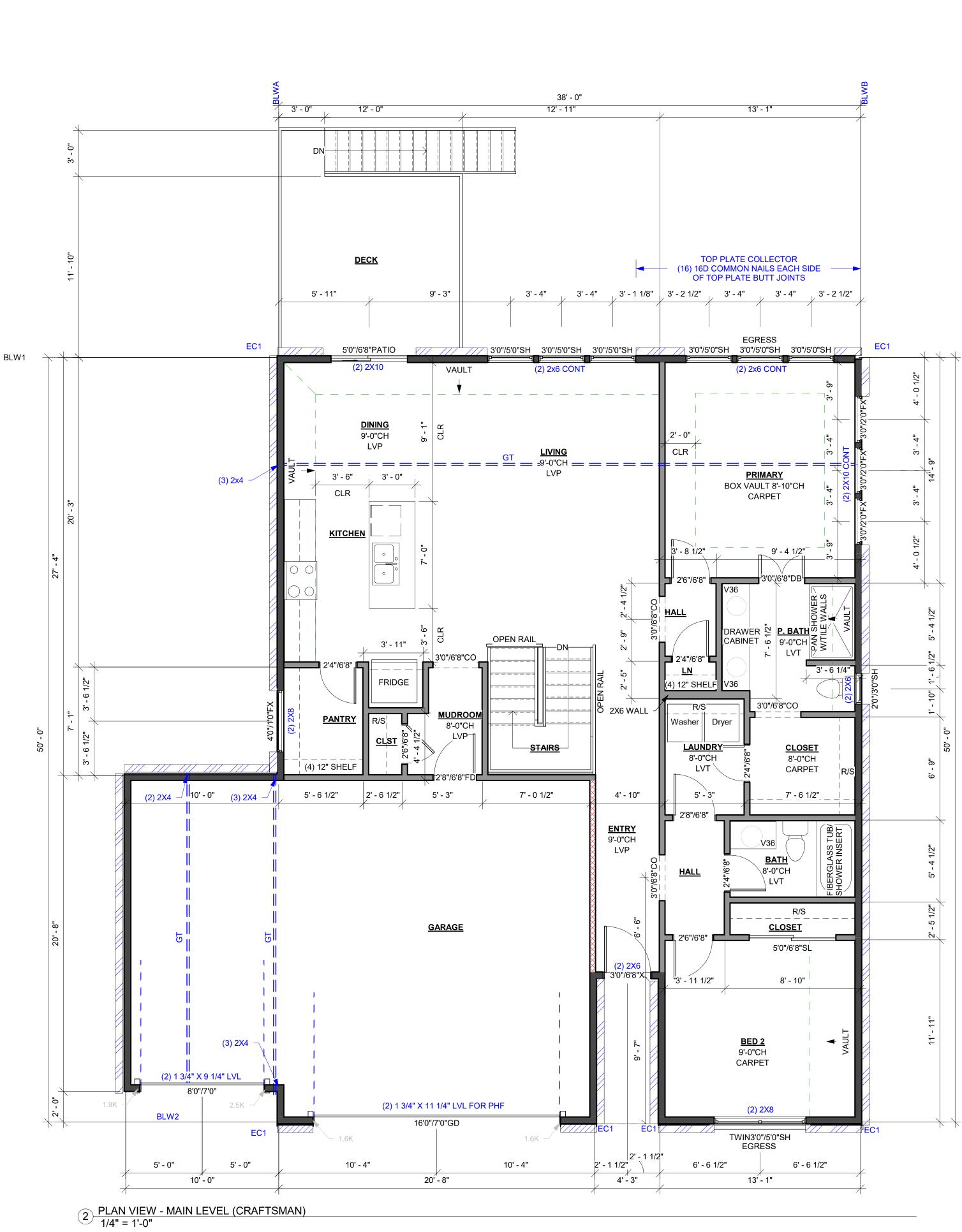
- ALL WALL DIMENSIONS ARE MEASURED TO THE
- FACE OF STUD U.N.O. ALL STRUCTURAL BEAMS ARE MEASURED TO
- THE CENTER OF THE MEMBER. DOORS AND WINDOWS ARE TAGGED IN FEET
- AND INCHES.
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- ALL TOILETS TO HAVE 21" CLEARANCE AT
- FRONT OF TOILET. ALL SINKS TO HAVE 21" CLEARANCE AT FRONT
- OF SINK. ALL SHOWERS TO HAVE 24" CLEARANCE AT OPENING.

MAIN LEVEL DOOR SCHEDULE							
Count	Type Mark	Locations					
4	2'4"/6'8"	<varies></varies>					
3	2'6"/6'8"	BEDROOMS					
1	2'8"/6'8"	LAUNDRY					
1	2'8"/6'8"FD	GARAGE ENTRY					
4	3'0"/6'8"CO	CASEMENTS					
1	3'0"/6'8"DB	P.BATH					
1	3'0"/6'8"X	FRONT ENTRY					
1	5'0"/6'8"PATIO	DINING EXTERIOR DOOR					
1	5'0"/6'8"SL	CLOSETS					

MAIN LEVEL WINDOW SCHEDULE						
Count	Type Mark	Туре	Head Height			
1	2'0"/3'0"SH	Window-Single-Hung	7' - 0"			
3	3'0"/2'0"FX		7' - 0"			
6	3'0"/5'0"SH	Window-Single-Hung	7' - 0"			
1	4'0"/1'0"FX	Window-Fixed	7' - 0"			
1	TWIN3'0"/5'0"SH	Window-Single-Hung	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
4 EXCEPT MARINE	.32	.55	.40	49	49	20 OR 13+5H	19	10/13	10, 2 FT	10/13

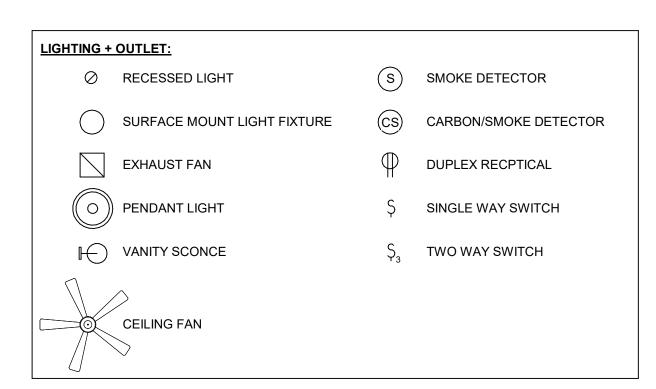


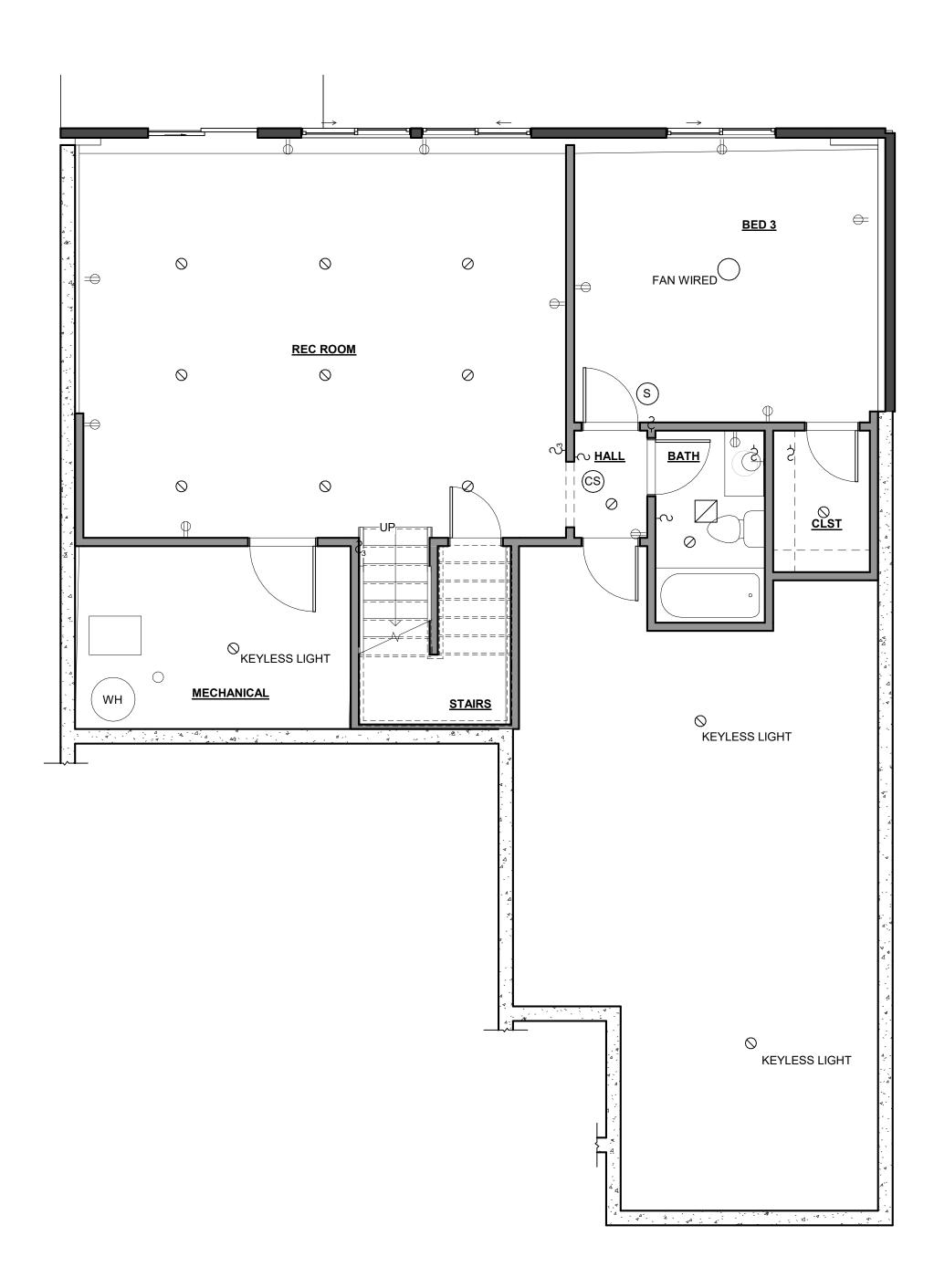












PLAN VIEW - LOWER LEVEL FINISHED
2 LIGHTING/OUTLET
1/4" = 1'-0"



#### TRUSS FRAMED ROOF NOTES

- ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APPLICABLE.
- DESIGNED FOR LIGHT ROOF COVERING, UNO. SEE G000 FOR MINIMUM LOADING. 2
- 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 4.
- BEARING ON APPROVED POINTS.
- PROVIDE 2X SOLID BLOCKING SUPPORT BELOW ALL POINT LOADS CONTINUOUS TO 5. BEARING STRUCTURE AND/OR FOUNDATION BELOW.
- WOOD TRUSSES SHALL BE IN ACCORDANCE WITH IRC 802.10.
- CONSULT ENGINEER IF TRUSSES BEAR ON INTERIOR WALLS SHOWN AS NON-LOAD BEARING ON APPROVED PRINTS.
- GIRDER TRUSSES MUST HAVE LOAD CARRIED DOWN TO THE FOUNDATION OR LOAD 8. SUPPORTING MEMBER. STUD PACK / COLUMN SHOWN ON PLANS.
- 9. ROOF COVERING SHALL BE ASPHALT SHINGLES AND SHALL COMPLY WITH IRC 2018
- SECT. R905.2 10. MINIMUM ROOF SLOPE FOR ASPHALT SHINGLES SHALL BE 2:12.
- ROOF SLOPES IN BETWEEN 4:12 AND 2:12 SHALL REQUIRE DOUBLE UNDERLAYMENT IN 11.
- ACCORDANCE WITH IRC 2018 TABLE R905.1.1(2). 12. EVERSTEAD STRUCTURAL SCOPE ENDS AT TOP PLATE FOR ROOF TRUSSES.

 TRUSS SCREWS

 1.
 TRUSS SCREWS MAY BE USED INSTEAD OF THE FASTENING NOTED IN TABLE R602.3(1)

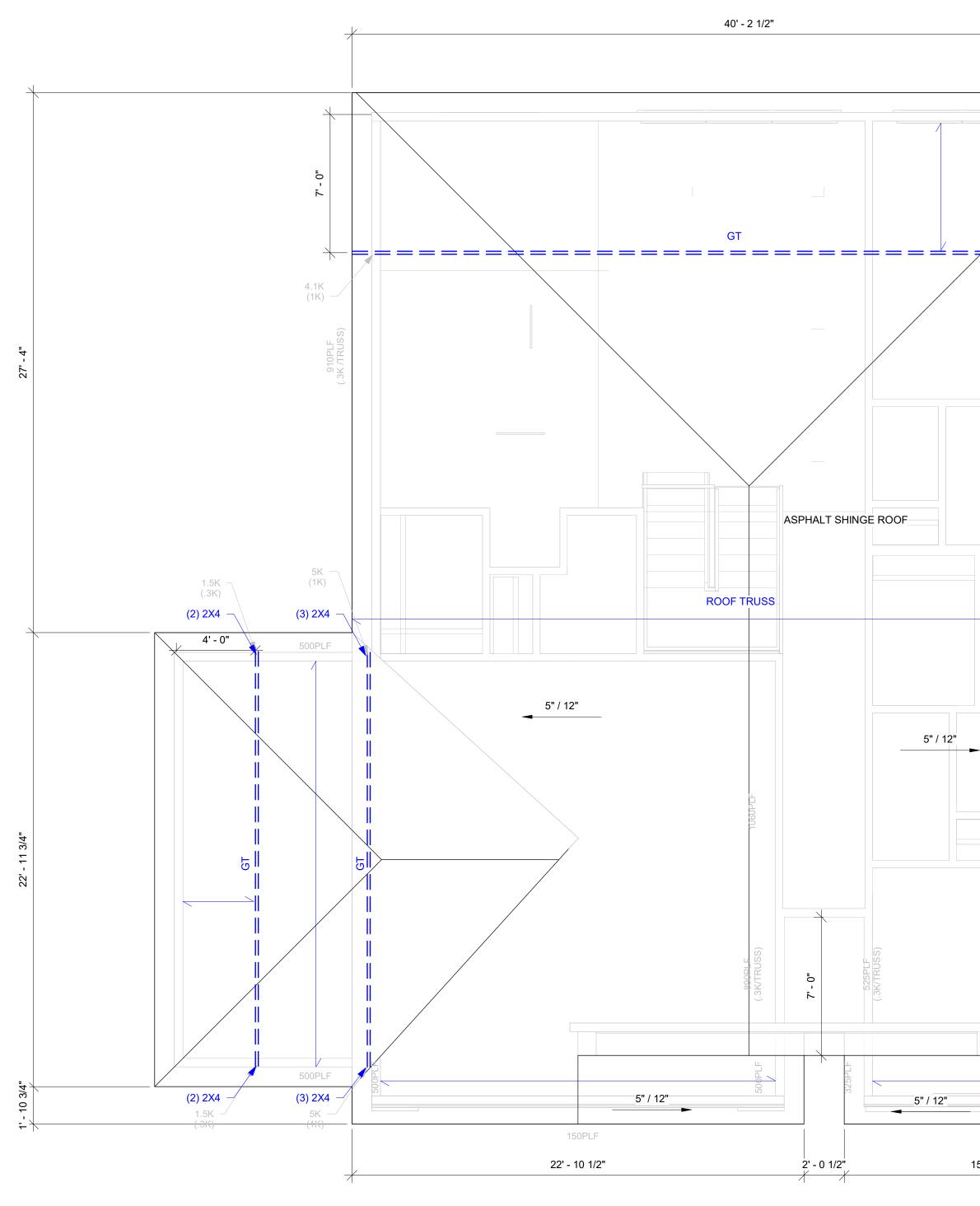
 1.
 TRUSS SCREWS MAY BE USED INSTEAD OF THE FASTENING NOTED IN TABLE R602.3(1)

 TRUSS SCREWS MUST BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. BASIS OF DESIGN SHOWN ON PLANS: 3.

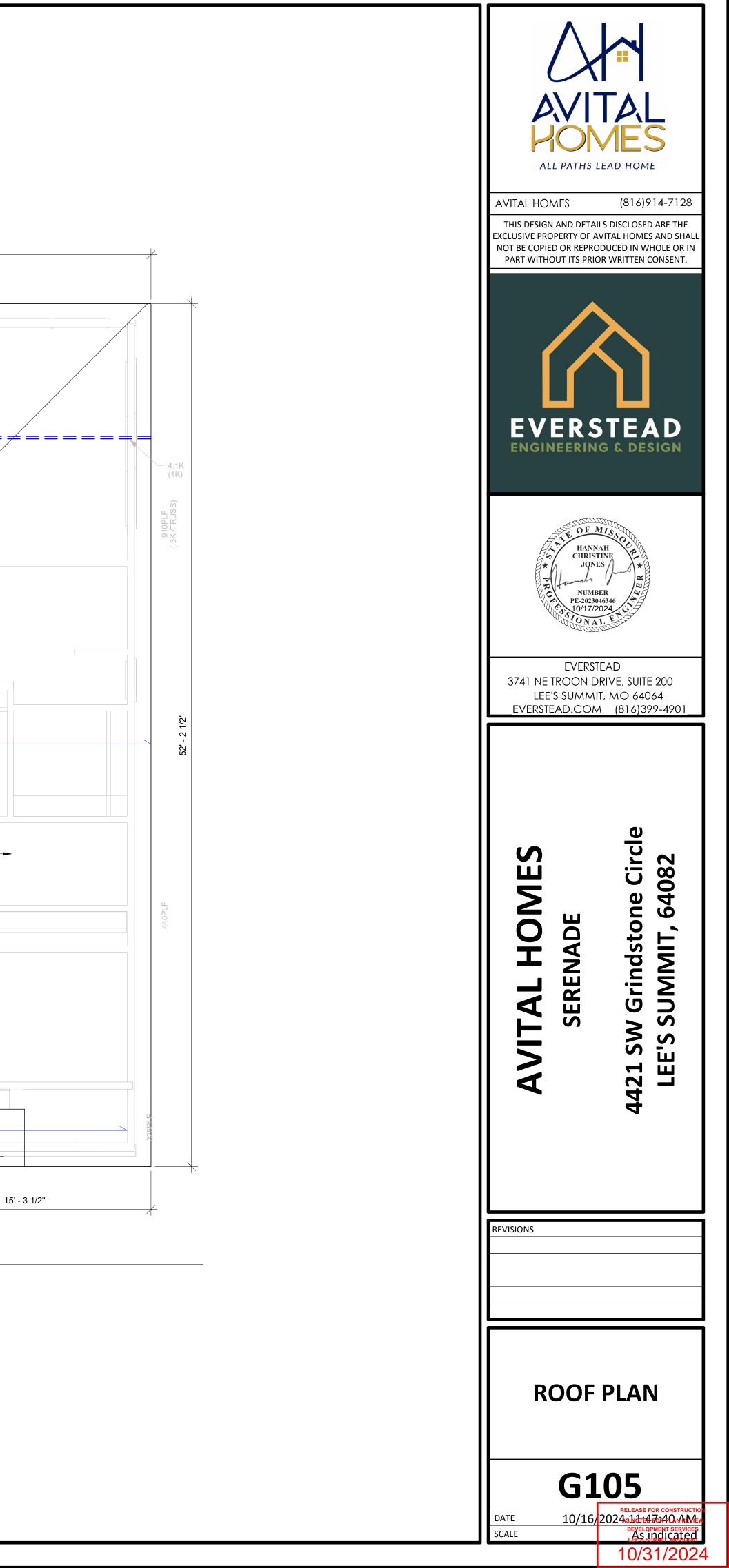
- SIMPSON STRONG DRIVE SDWC TRUSS SCREW Α.
- LENGTH: 6" В. FASTENED THROUGH THE BOTTOM SIDE OF A #2 DOUGLAS FIR - LARCH DOUBLE C.
  - TOP PLATE INTO THE BEARING END OF A TRUSS a. (1) 6" SCREW - MIN 835 LBS UPLIFT WHEN INSTALLED IN THE CENTER OF THE TOP PLATE ON A MAX 20 DEG. ANGLE FROM VERTICAL
  - (INSTALLATION TYPE 1) (2) 6" SCREWS - MIN 1195 LBS UPLIFT WHEN BOTH SCREWS ARE
  - b. INSTALLED VERTIALLY INTO TRUSS. (INSTALLATION CONF. B)
- TRUSS BEARING WITH UPLIFT THAT EXCEEDS THE TRUSS SCREW CAPACITY LISTED 4. ABOVE MUST HAVE ADDITIONAL FASTENING, AS SHOWN ON PLAN.
- TRUSS DIRECTION

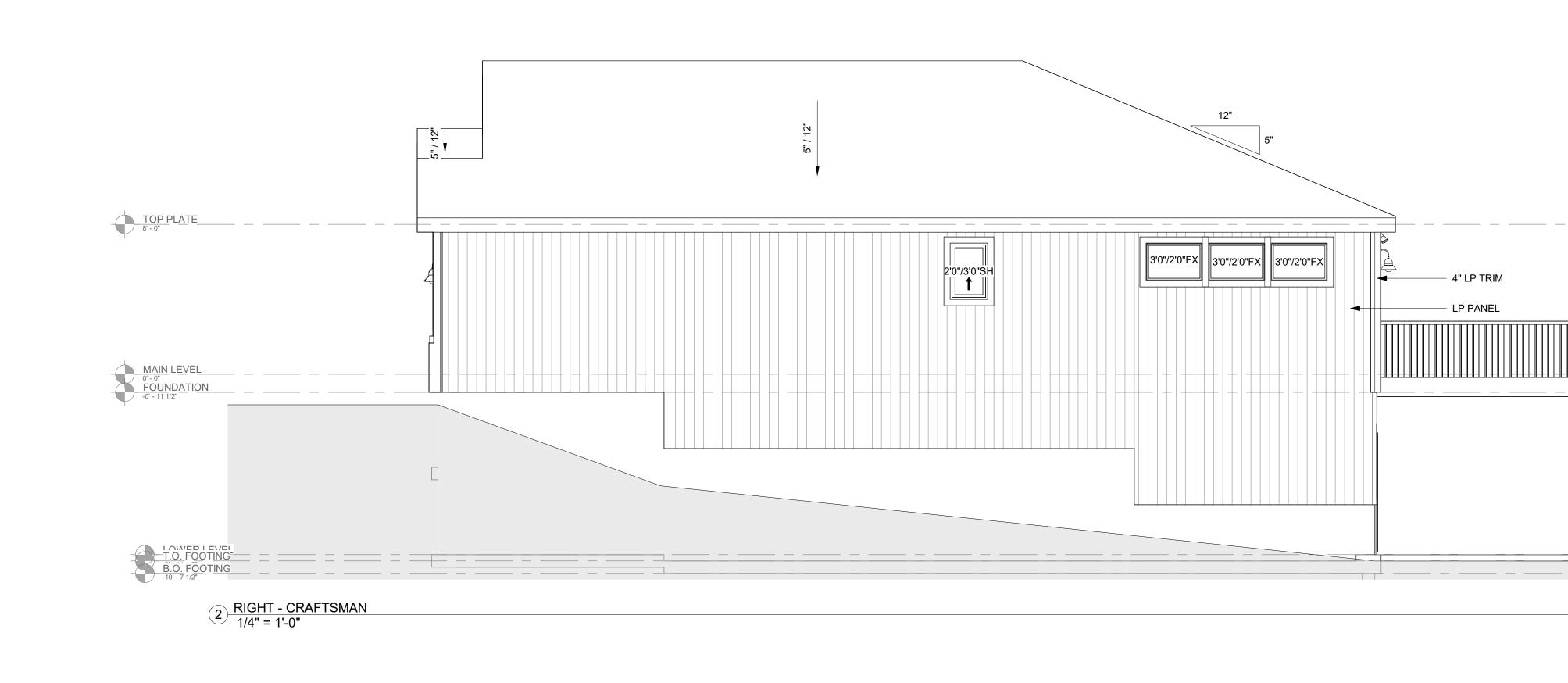
\_ \_ \_ \_ \_ \_ \_ GIRDER TRUSS LOCATION \_ \_ \_ \_ \_ \_ \_

INTERIOR LOAD BEARING WALL

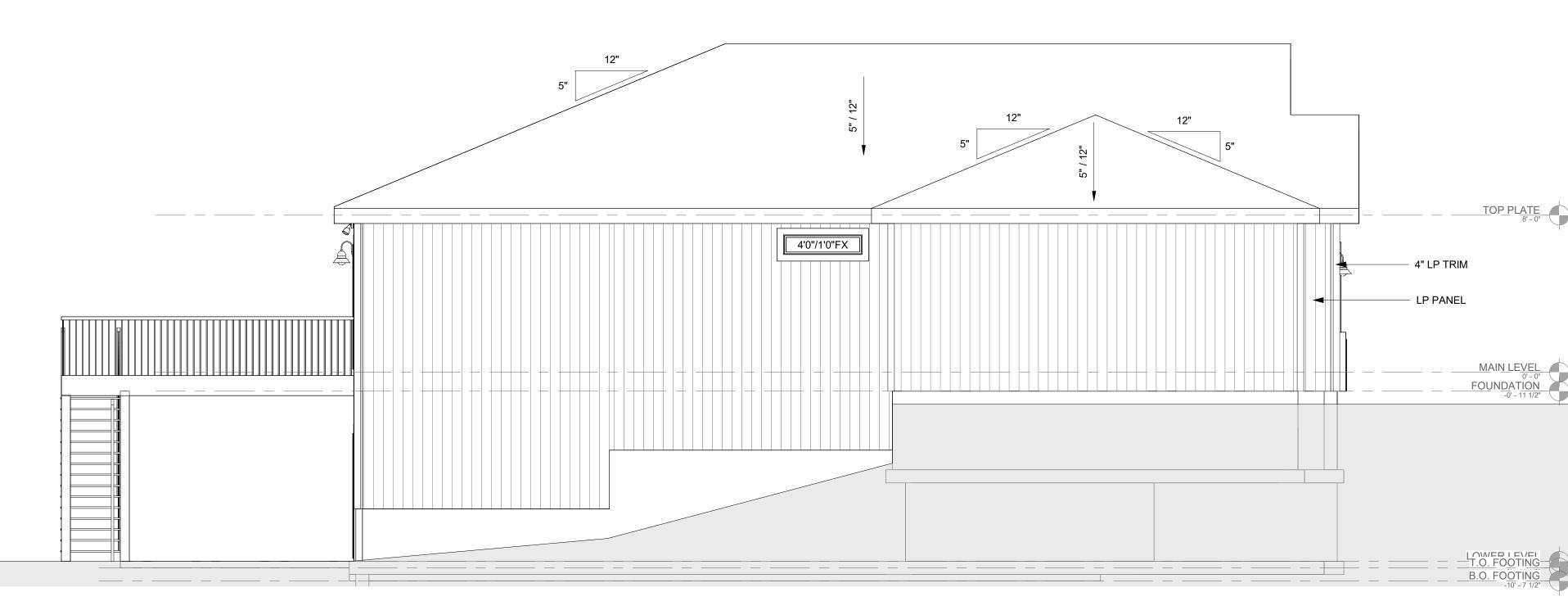


PLAN VIEW - ROOF PLAN (CRAFTSMAN 3 1 CAR) 1/4" = 1'-0"



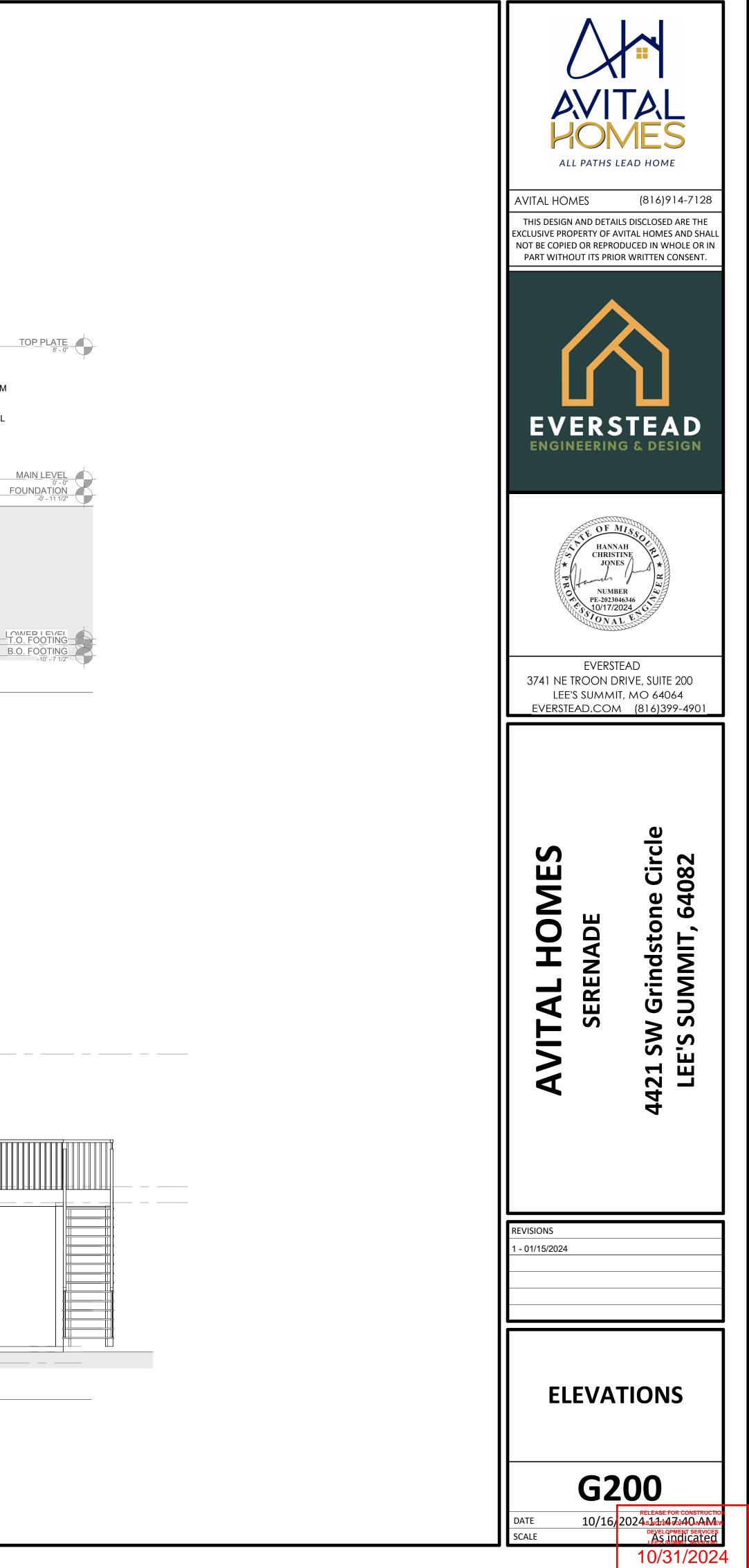






ELEVATION NOTES

GRADE IS APPROXIMATE AND SHOWN FOR REFERENCE ONLY. CONFIRM WITH SITE CONDITIONS.



Α.	GENERAL NOTES IRC 2018			CONCRETE (CONT.)	
A.1	PLANS SHALL COMPLY WITH 2018 INTE ADOPTED BY THE APPROPRIATE GOVE		CONCRETE MIX TO UTILIZE A MAXIMU     APPLICATIONS. ADMIXTURES SHALL N		
	ENGINEER OF RECORD IF ANY CHANG CONSTRUCTION. THE ENGINEER OF RE	ES OR DEVIATIONS FROM THE PLAN ARE MADE DURING ECORD MAY REQUIRE REVISED DRAWING OR CALCULATIONS		CONCRETE POURED AGAINST AN EXI	
	AT ITS DISCRETION. IF DISCREPANCIES SHALL APPLY.	SARE IDENTIFIED THE MOST CONSERVATIVE SPECIFICATION		OF 1/4 INCH AMPLITUDE.	
A.2	LOADING ASSUMPTIONS			REBAR PLACEMENT SHALL BE AS FOI     CONCRETE CAST AGAINST AN	
	DEAD ROOF ROOF + CEILING (NO STORAGE)	10 PSF UNO 15 PSF		<ul> <li>CONCRETE EXPOSED TO EAR</li> <li>NOT EXPOSED TO WEATHER</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%	
	INTERIOR FLOOR (MAIN FLOOR) INTERIOR FLOOR (UPPER FLOORS)	15 PSF 10 PSF		WALLS, OR FLATWORK EXPOSED TO     SHORING AND SUPPORTING FORMWO	
	8" THICK MASONRY WALL 6" THICK MASONRY WALL EXTERIOR LIGHT FRAMED WOOD WALI INTERIOR LIGHT FRAMED WOOD WALL	S 10 PSF		MEMBERS BEFORE CONCRETE STRE CYLINDERS OR 28 DAYS.	
	(INTERIOR WALLS INCLUDED IN 15 PSF	DEAD LOAD)		<ul> <li>ALL FOUNDATION WALLS ENCLOSING DAMPPROOFING SHALL EXTEND FRO (IRC R406.1)</li> </ul>	
	ROOF LIVE LOAD FLOOR LIVE LOAD	20 PSF 40 PSF (HABITABLE)	C.6	CONCRETE WALLS WITH REINFORCEMENT S	
	GARAGE STORAGE GUARDRAIL:	50 PSF WITH 2000 LB POINT LOAD 20 PSF (UNINHABITABLE)		REINFORCING STEEL SHALL CONFOR	
	CONTINUOUS LINEAR MAXIMUM POINT	50 PLF 200 LBS		SMOOTH BARS OR WELDED WIRE FAI	
	<u>SNOW</u> GROUND SNOW LOAD	20 PSF		90 DEG. HOOK SHOWN IN DRAWINGS     STRAIGHT EXTENSION LENGT	
	<u>WIND</u>			BEND DIAMETER = 12X BAR DI	
	VELOCITY EXPOSURE CATEGORY	115 MPH B		HOOKED DOWELS:     HOOKED DOWELS FROM FOU	
В.	SOIL AND SITE ASSUMPTIONS			VERTICAL WALL REINFORCING FOUNDATION.	
B.1	KANSAS CITY, MO) UNLESS OTHERWIS PROVIDE GEOTECHNICAL INVESTIGATI (SILTY CLAY) AS DEFINED BY 2018 IRC.	UM SOIL BEARING FOR THE SITE OF 1,500 PSF (2,000 PSF FOR E NOTED. CONTRACTOR TO VISUALLY INSPECT THE SITE OR ON TO VERIFY MINIMUM ACCEPTABLE SOIL CONDITIONS FOR CL THE CONTRACTOR IS RESPONSIBLE FOR ANY SOIL CONDITION		HOOKED DOWELS MATCH SLA FOUNDATION.	
	THAT DOES NOT MEET THE MINIMUM F RECORD.	EQUIREMENTS AND FOR CONTACTING THE ENGINEER OF		<ul> <li>PROVIDE (2) - #5 BARS AROUND PERI</li> <li>WHERE SPLICES ARE NECESSARY IN</li> </ul>	
B.2	MAT PROVIDE A MINIMUM SOIL COVER	AVE HEIGHT LESS THAN 10'-0" AND AN AREA LESS THAN 600 FT OF 12 INCHES MEASURED FROM THE BOTTOM OF CONCRETE.		IN ACCORDANCE WITH TABLE R608.5. BETWEEN NONCONTACT PARALLEL E OF ONE-FIFTH THE REQUIRED LAP LE	
B.3	LATERAL SOIL PRESSURES UNLESS OT ACTIVE 60 PSF AT REST 100 PSF	HERWISE NOTED		TOP HORIZONTAL REINFORCEMENT S     WALL.	
B.4	O.5% (6" IN THE FIRST 10'-0"). ALTERNA	VE DRAINAGE AWAY FROM THE STRUCTURE AT A MINIMUM OF TE APPROACHES MAY BE APPROVED IF THE ALTERNATE DESIGN D PERFORMANCE, AND PROVIDES FOR POSITIVE SITE		HORIZONTAL WALL REINFORCEMENT     STANDARD HOOK	
	DRAINAGE.	, ,	C.7	COLD WEATHER CONCRETE	
C. C.1	FOUNDATION NOTES FOUNDATION ANCHORAGE (IRC R403.1			COLD WEATHER IS DEFINED AS THRE     TEMPERATURE DROPS BELOW 40 DE	
0.1	SILL PLATES SHALL BE BOLTED	TO THE FOUNDATION WALL WITH A MINIMUM ½" DIAMETER		<ul> <li>FAHRENHEIT FOR MORE THAN HALF (</li> <li>COLD WEATHER CONCRETE WORK S</li> </ul>	
	ANCHOR BOLTS EMBEDDED AT     BOLTS SHALL BE SPACED NO G	LEAST 7" INTO THE CONCRETE.		ALL MATERIALS AND EQUIPMENT REC	
	THERE SHALL BE A MINIMUM O	F TWO BOLTS PER PLATE SECTION, WITH A BOLT PLACED		PROJECT SITE BEFORE COLD WEATH     THE CONCRETE MIX DESIGN PROVIDE	
		HAN 7 BOLT DIAMETERS OF THE END OF EACH PLATE SECTION.		AVERAGE 28 DAY MIX DESIGN COMPF WHICHEVER IS GREATER.	
		SILL PLATE + 3/4" FOR NUT AND WASHER EQUALS A 9-1/4" LONG		THE TEMPERATURE OF CONCRETE A     FAHRENHEIT .	
	WALL BRACING METHODS (IRC	R602) MAY REQUIRE ADDITIONAL ANCHORAGE.		THE MINIMUM CONCRETE TEMPERAT	
C.2				<ul> <li>DEGREES FAHRENHEIT.</li> <li>ALL SNOW, ICE AND FROST MUST BE</li> </ul>	
	UNIFORM SUPPORT OF THE SL MATERIAL (SAND OR GRAVEL)			THE CONTRACTOR SHALL PROVIDE A     FREEZING AND MAINTAIN A CONCRET     HOUR PERIOD AFTER CONCRETE PLA	
	<ul> <li>THIS MAY OCCUR AT G/ FLOOR SLABS.</li> </ul>	ARAGE FLOOR FILLS, OR OVER EXCAVATED AREAS UNDER		INSULATING BLANKETS AND/OR THE	
		LLATION DETAILS IN THIS DOCUMENT (WHERE APPLICABLE ACING LIMITATIONS) MAY BE USED IN LIEU OF PROVIDING A		<ul> <li>GROUND TEMPERATURE AT THE TIME LESS THAN 35 DEGREES FAHRENHEIT</li> <li>INSULATION, FORMS AND HEATERS M</li> </ul>	
		CEEDING THE SPANS AND CONDITIONS OF THE APPROVED IGNED BY A PROFESSIONAL ENGINEER.		MAINTAIN ADEQUATE PROTECTION O	
		ADJACENT TO FOUNDATION WALL:	C.8	EXPOSED CONCRETE ELEMENT TO P	
		ATED FOR A MAXIMUM DIMENSION OF 4'-0" HORIZONTALLY DATION WALL, THE STANDARD OVER-DIG DETAIL MAY BE USED IN TRUCTURAL SLAB.	0.0	VERTICAL REINFORCEMENT FOR CON REINFORCEMENT SPACED 24" O.C. M WALLS SHALL HAVE VERTICAL REINFORCEMENT	
	SEE "TYPICAL FOOTING     DETAIL.	/FOUNDATION WALL/STANDARD SLAB AT MAX 4'-0" OVER-DIG"		<ul> <li>8" WALL – MINIMUM 2" FROM T</li> <li>10" WALL – MINIMUM 6-3/4" FROM T</li> </ul>	
C.3	VAPOR RETARDER / BARRIER (IRC R50	6.2.3)		EXTEND BARS TO WITHIN 8" O	
	MINIMUM OF 6" IS REQUIRED BE	E OR APPROVED VAPOR RETARDER WITH JOINTS LAPPED A ETWEEN THE CONCRETE FLOOR SLAB AND THE BASE COURSE		HORIZONTAL REINFORCEMENT:     ONE BAR SHALL BE PLACED V	
	OR PREPARED SUBGRADE, (NO ACCESSORY BUILDINGS).	OT REQUIRED FOR GARAGE SLABS OR DETACHED UNHEATED		OTHER BARS SHALL BE EQUA     HORIZONTAL BARS SHOULD E	
C.4	FOOTINGS			<ul> <li>(INTERIOR); AND BEHIND THE</li> <li>SUPPLEMENTAL REINFORCEN DEGREE ANGLE AT CORNERS</li> </ul>	
	THE BOTTOM OF ALL FOOTING PROTECTION (IRC R403.1.4).	S SHALL EXTEND NOT LESS THAN 36" BELOW GRADE FOR FROST		THE EDGE OF INSIDE CORNER	
		G ACCESSORY STRUCTURES WITH AN AREA OF 600 SQ. FT. OR 10'-0" OR LESS SHALL EXTEND BELOW GRADE A MINIMUM OF		AT MASONRY LEDGES THE MINIMUM V EXCEED A DEPTH OF MORE THAN 24" LESS THAN 4". PROVIDE #4 BARS AT M	
	CONTINUOUS SOLID MASONRY SYSTEM TO SAFELY SUPPORT	ALLS, COLUMNS AND PIERS SHALL BE SUPPORTED ON OR CONCRETE FOOTINGS, OR APPROVED STRUCTURAL THE IMPOSED LOADS AND SHALL BE SIZED AND REINFORCED IN IDARD OR SHALL BE ENGINEERED DESIGN.		<ul> <li>STRAIGHT WALLS MORE THAN 5'-0" TA WITH EXTERIOR BRACED RETURN WA THE SHORTEST DIMENSION BETWEED SECTION).</li> </ul>	
	FOOTINGS UNDER FOUNDATIO     AND FROM ONE LEVEL TO THE	N WALLS SHALL BE CONTINUOUS AROUND THE STRUCTURE NEXT.		MINIMUM SPECIFIED CO	
	THE CONTINUOUS TRANSITION     USABLE SPACE SHALL BE MAD	S BETWEEN FOOTINGS AT DIFFERENT LEVELS ENCLOSING E BY APPROVED SOLID JUMPS OR SUPPORT SYSTEMS TO		TYPE OR LOCATION OF CONCRETE CONSTRUCTION	
	<ul> <li>PROVIDE SAFE SUPPORT OF TI</li> <li>SEE "TYPICAL FOOTING/FOUND "FOOTING JUMP" DETAILS.</li> </ul>	HE STRUCTURE. ATION WALLS/STANDARD SLAB AT MAXIMUM 4" OVER-DIG" AND		BASEMENT WALLS, FOUNDATIONS AND OTHER CONCRETE NOT EXPOSED TO THE WEATHER	
C.5	CONCRETE			BASEMENT SLABS AND INTERIOR SLABS ON GRADE, EXCEPT GARAGE FLOOR SLABS	
		N SHOULD CONFORM TO ACI 318-14 (OR ACI 332) OR 2018 IRC.		BASEMENT WALLS, FOUNDATION WALLS, EXT WALLS AND OTHER VERTICAL CONCRETE WC	
	THE MINIMUM CONCRETE 28 D/ TABLE R402.2.		EXPOSED TO THE WEATHER		

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

SUSPENDED SLABS

# UM WATER-CEMENT MATERIALS RATIO OF 0.45 FOR ALL NOT CONTAIN ANY CHLORIDES.

ISTING SURFACE SHOULD BE ROUGHENED TO A MINIMUM

## LLOWS:

ND PERMANENTLY EXPOSED TO EARTH RTH OR WEATHER OR GROUND	3.0 IN CLF 1.5 IN CLF
S	3/4 IN CLF 1.5 IN CLF

6 (±1%) AIR-ENTRAINED FOR GARAGE SLABS, FOOTINGS, WEATHER

ORK SHALL NOT BE REMOVED FROM HORIZONTAL ENGTH REACHES 70% OF STRENGTH DETERMINED BY

G BELOW GRADE SPACE SHALL BE DAMPPROOFED. THE OM THE EDGE OF THE FOOTING TO THE FINISHED GRADE.

# STEEL

RM TO ASTM A615, GRADE 40.

BRIC SHALL CONFORM TO ASTM 185.

SHALL BE STANDARD PER ACI 318-14.

TH = 12X BAR DIA.

UNDATIONS TO WALL SHALL BE PROVIDED TO MATCH NG AND EXTENDED TO 3" CLEAR FROM BOTTOM OF

AB REINFORCING FROM SLAB TO WALLS OR SLAB TO

IMETER OF ALL SUSPENDED SLABS.

N 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 EGREES 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

FURE AT THE TIME OF MIXING SHALL NOT BE BELOW 65

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.

E OF PLACEMENT OF SLAB OR FOOTINGS SHALL NOT BE T.

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 MAY BE PLACED IN THE MIDDLE OF THE WALL. OTHER FORCEMENT 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 RS.

I WALL THICKNESS SHALL BE 3-1/2". LEDGES SHALL NOT I 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

FER TADLE R402.2					
	MINIMUM SPECIFIED COMPRESSIVE STRENGTH (f'c) FOR SEVER WEATHERING POTENTIAL				
	2,500				
	2,500				
(TERIOR ORK	3,000				
	3,500				
	4,000				

## D. FRAMING/STRUCTURE

D.1 FRAMING NOTES

ALL NON TREATED LUMBER SIZES ARE DOUGLAS FIR-LARCH #2 UNLESS OTHERWISE NOTED.

ALL TREATED/ROT RESISTANT LUMBER SIZES ARE #2 TREATED SOUTHERN YELLOW PINE, UNLESS OTHERWISE NOTED.

- ALL UNMARKED HEADERS SHALL BE A MINIMUM #2 DOUGLAS FIR-LARCH (2) 2X10 ON LOAD BEARING WALLS.
- ALL HEADERS/BEAMS TO BEAR ON A MINIMUM OF (2) 2X4 JACK STUDS UNO. KING STUDS SHALL BE PROVIDED AT ALL HEADERS IN ACCORDANCE WITH IRC TABLE R602.7.5.
- DOUBLE JOIST UNDER PARALLEL INTERIOR NON-LOAD BEARING WALLS.
- CANTILEVERS, OVER BEAMS AND DOOR JAMBS SHALL BE BLOCKED.
- ANY WOOD MEMBER IN CONTACT WITH CONCRETE OR MASONRY (OR THE FURRING THEY ARE ATTACHED TO) SHALL BE OF DECAY RESISTANT MATERIAL.
- IN BEARING WALLS, STUDS WHICH ARE NOT MORE THAN 10'-0" FEET IN LENGTH SHALL BE SPACED NOT MORE THAN IS SPECIFIED IN IRC TABLE R602.3(5) FOR THE CORRESPONDING STUD SIZE. THOSE STUDS GREATER THAN 10'-0" FEET IN LENGTH SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT.
- ALL WOOD STRUCTUAL PANELS SHALL CONFORM TO THE MOST CURRENT APPLICABLE SPECIFICATION AND SUPPLEMENTS OF THE APA OR EQUIVALENT. ALL PANEL END JOINTS SHALL OCCUR OVER SUPPORTS AND SHALL BE STAGGERED ONE HALF PANEL LENGTH FROM ADJACENT PANELS. PROVIDE 1/8" INCH SPACE AT PANEL ENDS. WOOD STRUCTURAL PANEL MOISTURE CONTENT SHALL BE LESS THEN OR EQUAL TO 16%.
- ALL STRUCTURAL FRAMING MEMBERS SHALL BE AS FOLLOWS UNO:
  - 2X4 OR 2X6 EXTERIOR WALLS AS PERMITTED BY CODE: DOUGLAS FIR-LARCH #2 (DF-L #2) OR BETTER.
     EXTERIOR WALLS TO BE CONTINUOUSLY SHEATHED WITH MIN. 7/16" OSB., UNLESS
  - BRACING IS SHOWN ON PLANS EXTERIOR OSB SHEATHING TO BE FASTENED WITH 8D COMMON NAILS; 6" O. C. AT PANEL EDGES, 12" O. C. IN THE FIELD.
  - 2X4 OR 2X6 INTERIOR LOAD BEARING WALLS DF-L #2 OR BETTER. LOAD BEARING, BRACED, AND SHEAR WALLS, REQUIRE A DOUBLE TOP PLATE. THE TOP
  - PLY BEING FIELD APPLIED WITH A MIN. 24" LAP SPLICE FIELD APPLIED LAP SPLICED TOP PLATE: DF-L #2 OR BETTER
  - LOAD BEARING HEADERS PER HEADER SCHEDULE OR AS SHOWN ON FRAMING PLANS. LOAD BEARING HEADERS TO BE FABRICATED WITH THE HEADER AT THE UNDER SIDE OF THE TOP PLATE WITH CRIPPLE FRAMING BELOW AS NEEDED UNO.
  - INTERIOR NON LOAD BEARING WALLS: DF-L #2 STUD GRADE OR BETTER DOUBLE TOP PLATE IS NOT REQUIRED FOR INTERIOR NON LOAD BEARING WALLS
  - HEADER CRIPPLE SPACING CAN BE 24" O. C. REGARDLESS OF WALL STUD SPACING FOR
  - NON LOAD BEARING WALLS CRIPPLE FRAMING NOT REQUIRED ABOVE OR BELOW OPENINGS WHERE THE VERTICAL CLEAR HEIGHT IS 22" OR LESS FOR NON-LOAD BEARING WALLS.
- ALL LUMBER IN CONTACT WITH MASONRY OR OTHERWISE EXPOSED TO WEATHERING TO BE PRESSURE TREATED (PT).
   FIELD APPLIED SILL PLATE: TREATED LUMBER
  - BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY: TREATED LUMBER
- ALL PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH WATER-BORNE PRESERVATIVES. PRESSURE TREATMENT SHALL COMPLY WITH THE REQUIREMENTS OF AWPB, C2, LP-22, AND IRC SECTION R317. ALL LUMBER < 8" ABOVE THE FINISHED GRADE SHALL BE PRESSURE TREATED.
- FASTENERS, INCLUDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE HOT-DIPPED, ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. COATING TYPES AND WEIGHTS FOR CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE IN ACCORDANCE WITH THE CONNECTOR MANUFACTURER'S RECOMMENDATIONS. IN THE ABSENCE OF MANUFACTURER'S RECOMMENDATIONS, A MIN. OF ASTM A653 TYPE G185 ZINC-COATED GALVANIZED STEEL, OR EQUIVALENT, SHALL BE USED. FOR EXCEPTIONS. REFER TO R317.3.1.

#### ENGINEERED LUMBER MIIMUM DESIGN REQUIREMENTS

F₅ (PSI)		E (PSI)	F <sub>v</sub> (PSI)		
LVL	3100	1.9X10 <sup>6</sup>	285		
DOUGLAS FIR-LARCH	900	1.6X10 <sup>6</sup>	180		
GLU-LAM	2400	1.8X10 <sup>6</sup>	230		

#### D.2 STRUCTURAL STEEL

- STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
- STEEL PIPE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40.
- STEEL GRADE AND SPECIFICATION SHALL BE AS FOLLOWS:
- HOLLOW STRUCTURAL SECTIONS:
  CHANNELS, PLATES, ANGLES, AND COLUMNS:
- WIDE FLANGES:
- STEEL PIPE COLUMN
  ANCHOR RODS:

BOLTS SHALL CONFORM TO ASTM A307

WELDING SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING SHALL BE PERFORMED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN AWS D1.1. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLISHED BY THE FILLER-METAL MANUFACTURER.

ASTM A500 ( $F_Y$  = 46 KSI)

ASTM A36 ( $F_Y$  = 36 KSI)

ASTM A992 (F<sub>Y</sub> = 50 KSI)

ASTM F1554 (F<sub>Y</sub> = 36 KSI)

ASTM A53 GR.B ( $F_Y$  = 35 KSI)

- WELDS SHALL USE E70XX ELECTRODES AND A MINIMUM OF 3/16" SIZE UNLESS NOTED OTHERWISE.
- ALL WELDS SPECIFIED AS FIELD WELDS MAY BE SHOP WELDED AT THE CONTRACTOR'S OPTION IF ERECTION CAN STILL BE EXECUTED.

#### E. <u>GLAZING</u>

GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC R308.4 SHALL BE OF APPROVED SAFETY GLAZING MATERIALS.

- GLASS IN STORM DOORS: INDIVIDUAL FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE OF THE GLAZING IS WITHIN A 24" ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE FLOOR.
- GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF THE STAIRWAY WHERE THE GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 60 IN HORIZONTAL ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING SHALL BE CONSIDERED A HAZARDOUS LOCATION.
- GLAZING IN WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS, AND INDOOR OR OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60" MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE.
- WINDOW FALL PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH IRC R312.2.

### 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**

G.

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).

#### ROOF

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1.2

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

 (THE FOLLOIWNG SHALL APPLY UNLESS "ECA" SHEETS HAVE BEEN INCLUDED IN THE PLAN SET)
 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

Κ.

AFFABOVE FINISHED FLOORABANCHOR BOLTBMBEAMBRGBEARINGBFFBELOW FINISHED FLOORBOTBOTTOMBWLBRACED WALL LINECJCEILING JOISTCLRCLEARCOLCOLUMNCONCCONCRETECMUCONCRETE MASONRY UNITCXNCONNECTIONCONTCONTINUOUSDBLDOUBLEDIADIAMETEREWEACH WAYEFFEFFECTIVEELELEVATIONEORENGINEER OF RECORDEQEQUAL		MAX MIN NTS OC PED PCF PSF PSI PT RAF SIP STL	EXISTING FIELD VERIFY FINISHED FLOOR FLOOR JOIST FOOTING FOUNDATION HEADER HORIZONTAL MAXIMUM MINIMUM NOT TO SCALE ON CENTER PEDESTAL POUNDS PER CUBIC FOOT POUNDS PER CUBIC FOOT POUNDS PER SQUARE FOOT
	• •	TYP	





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REVISIONS

# STRUCTURAL GENERAL NOTES

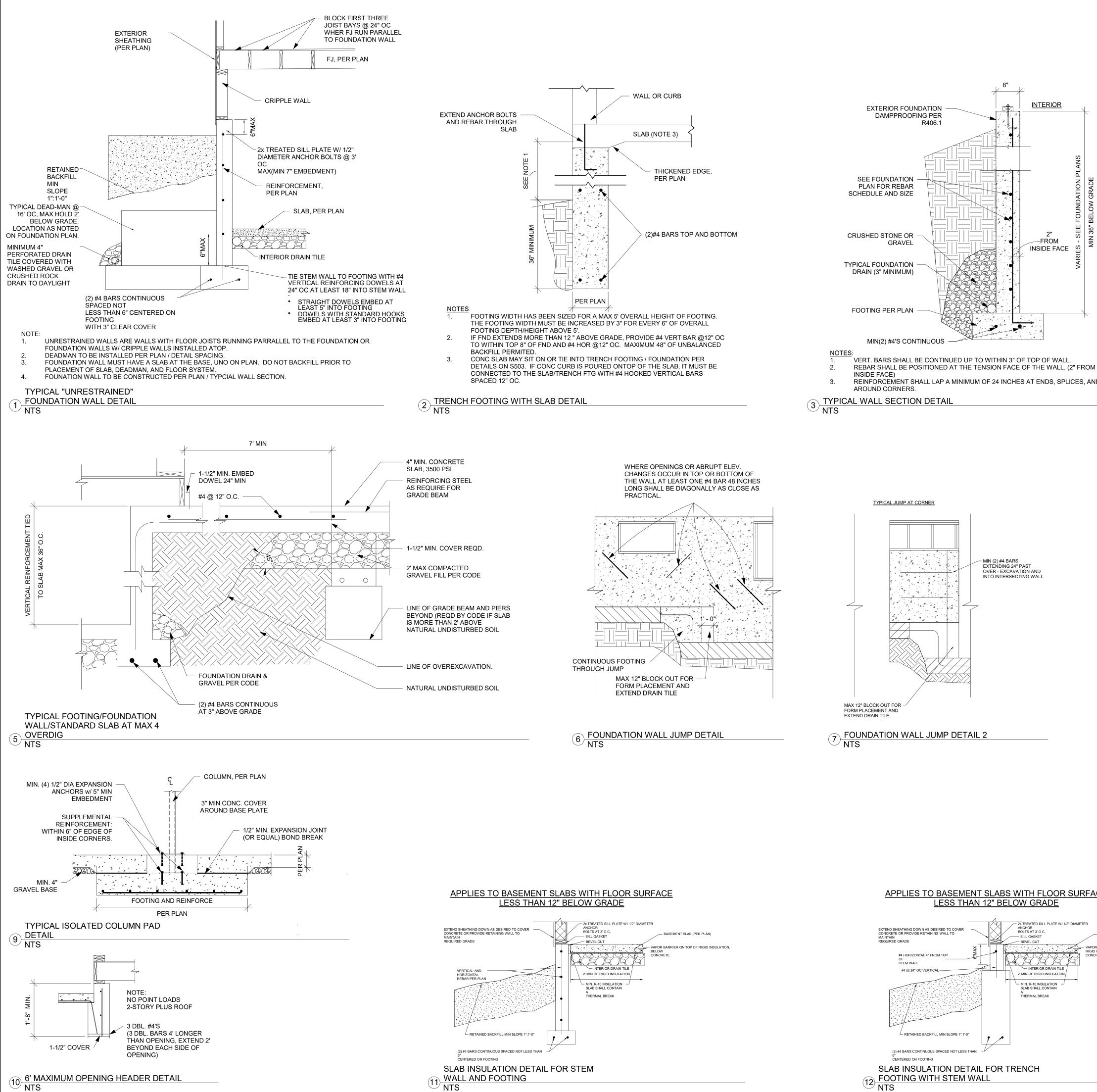
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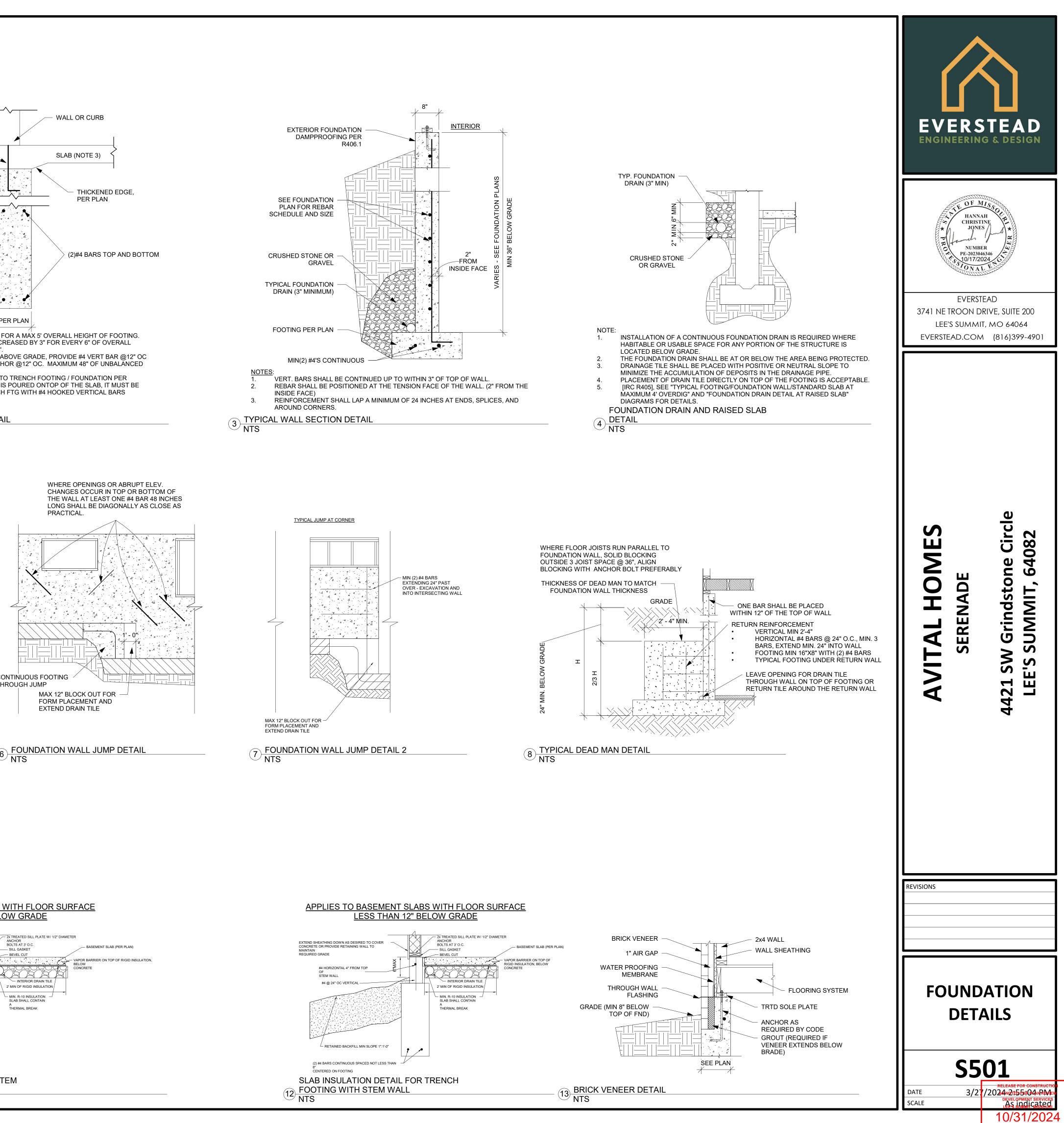
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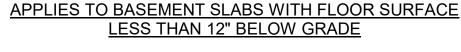
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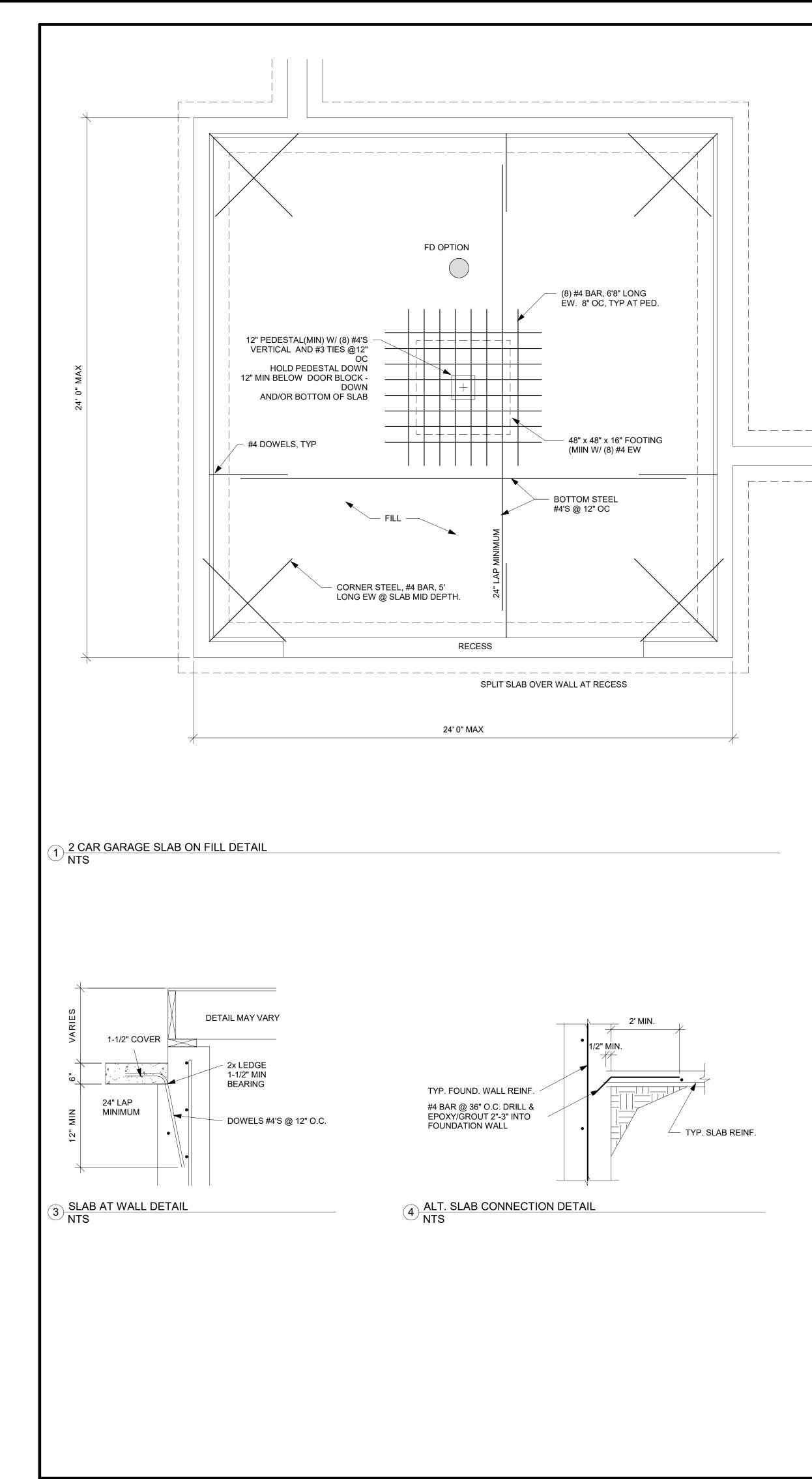
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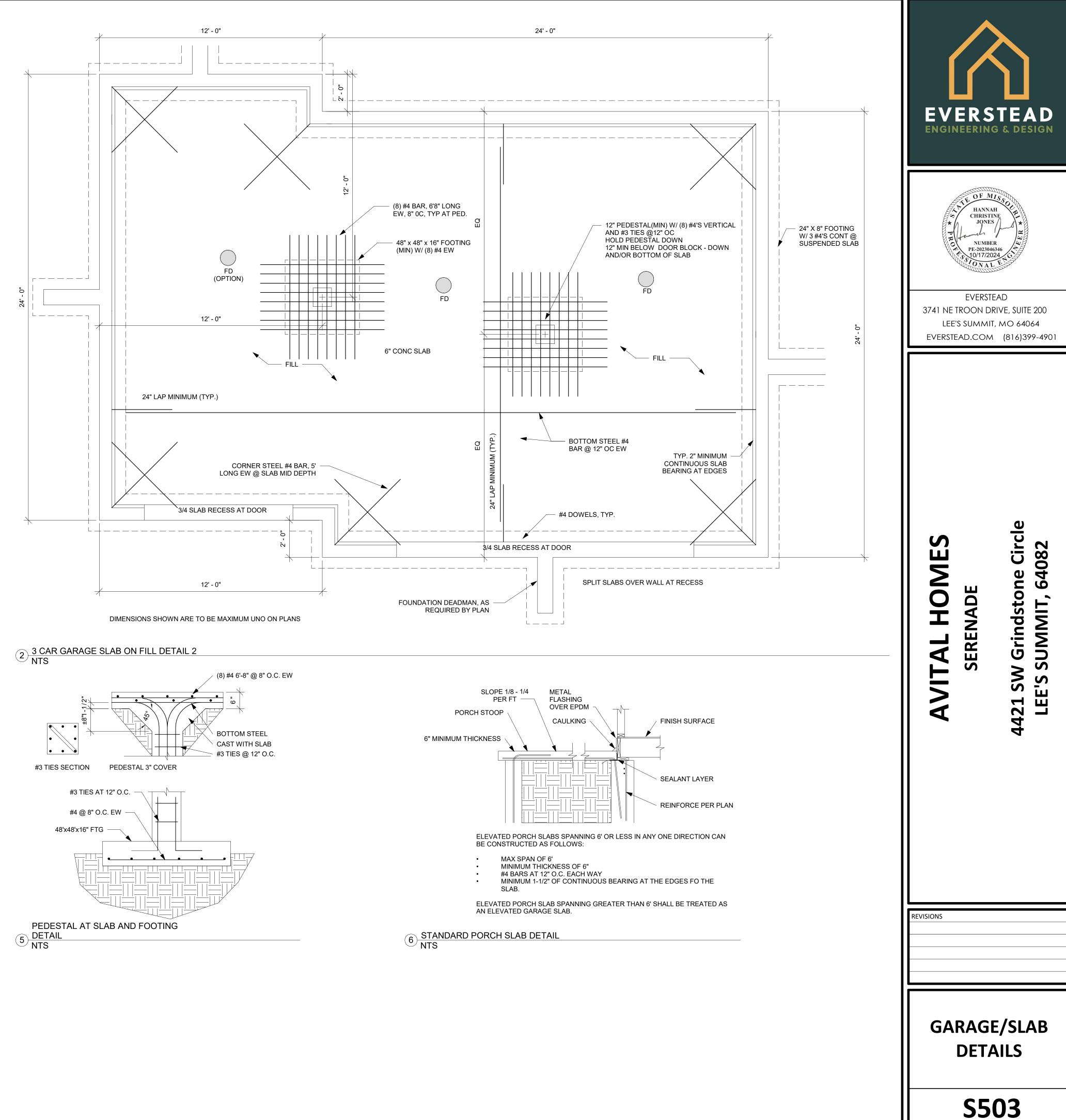
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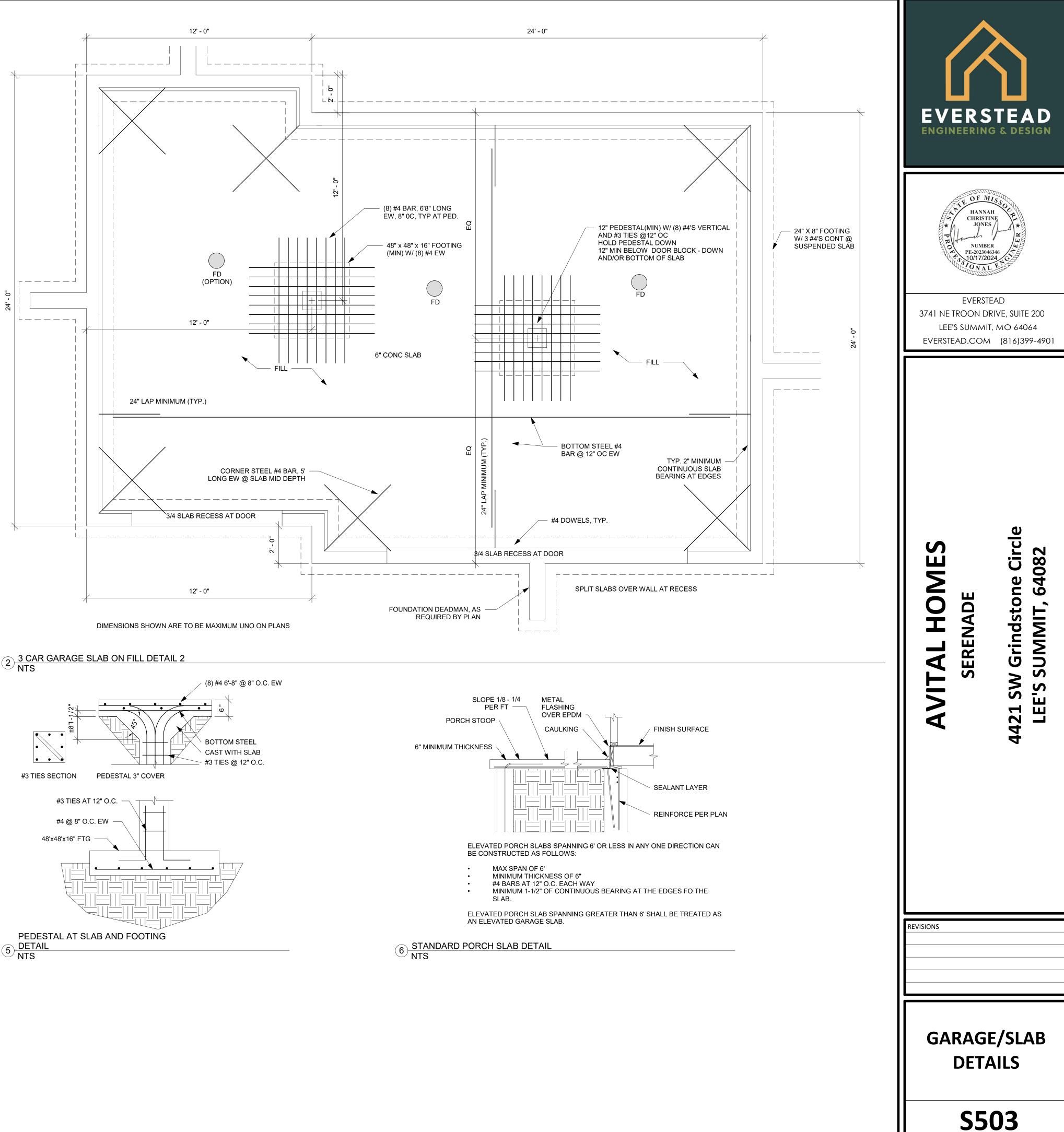








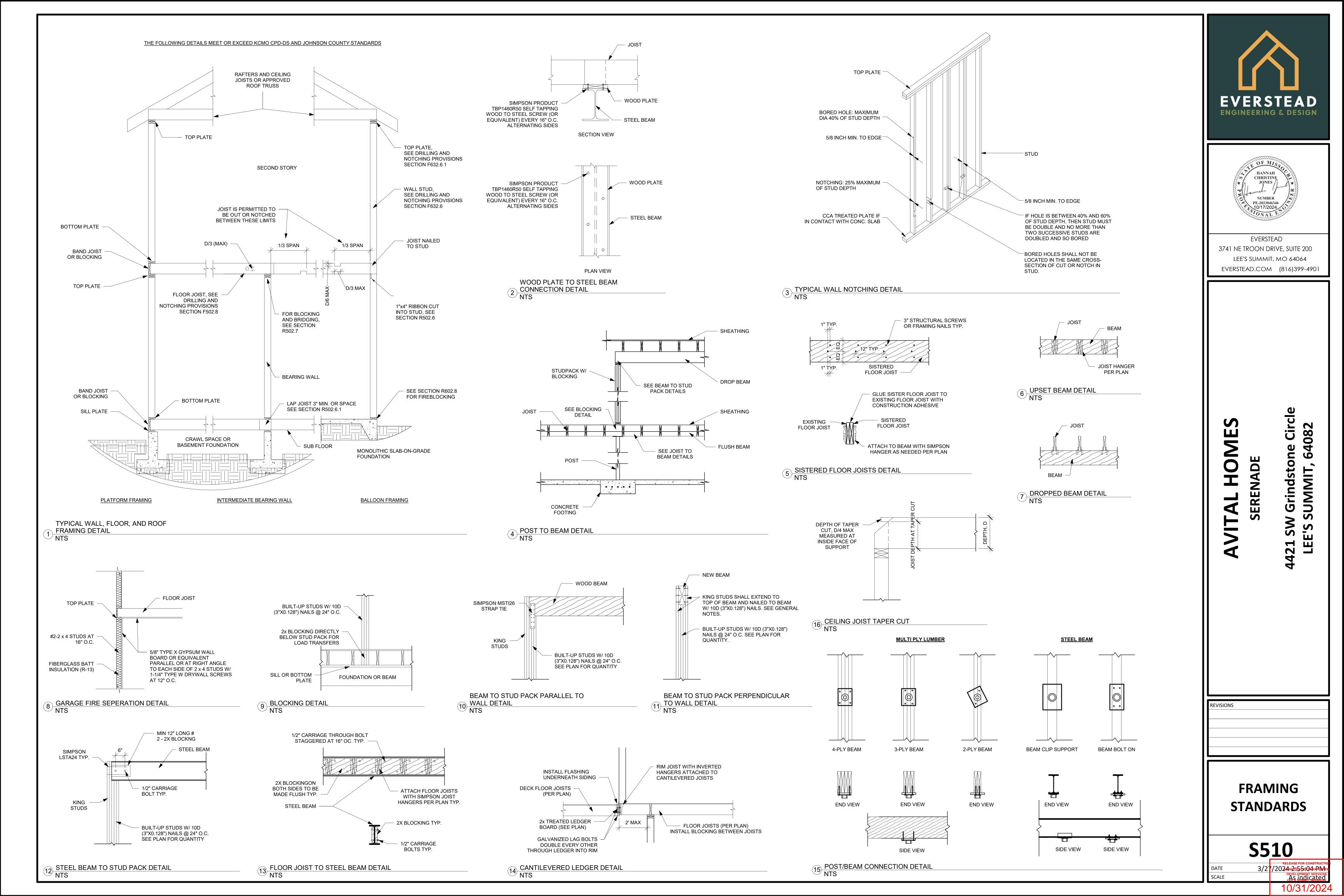


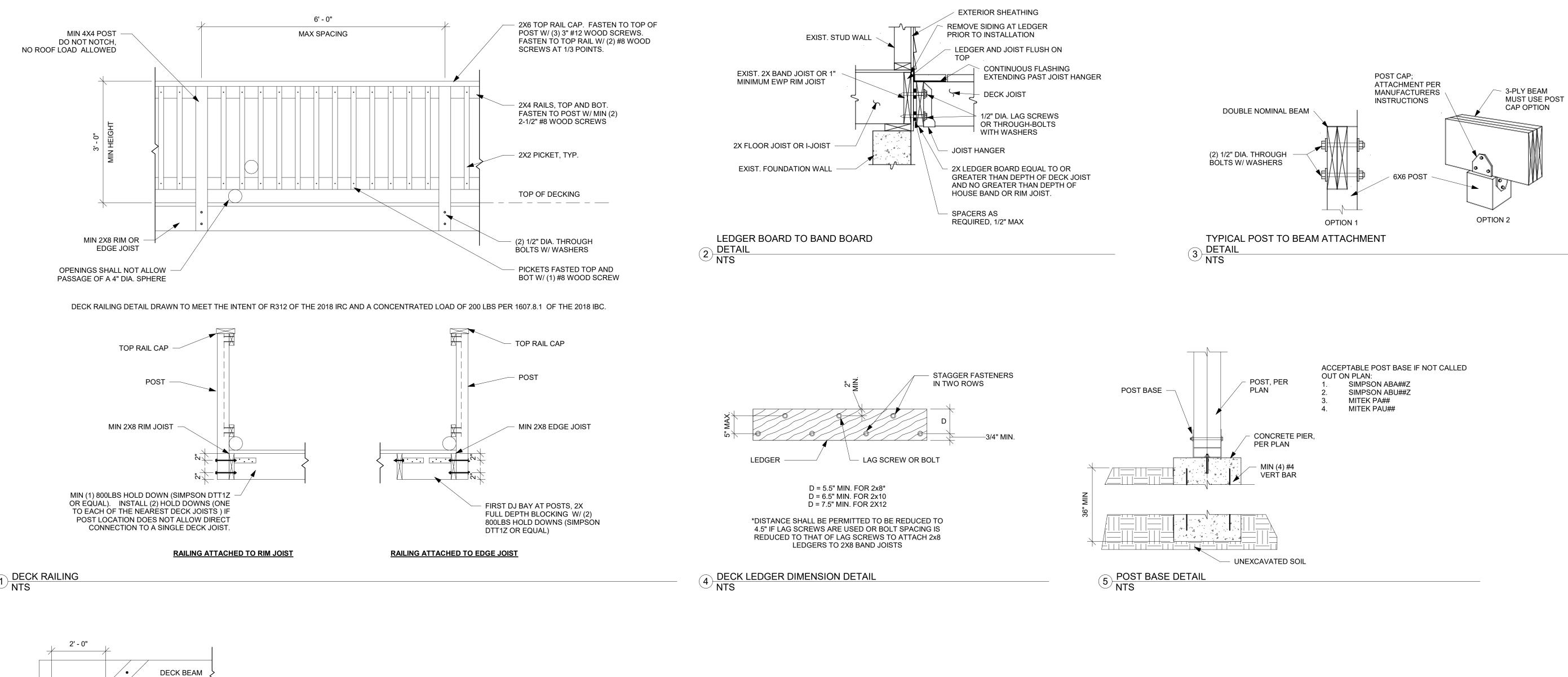


RELEASE FOR CONSTRUCTIO

DATE SCALE

AS INDICATED 10/31/2024





KNEE BRACING DETAIL NTS

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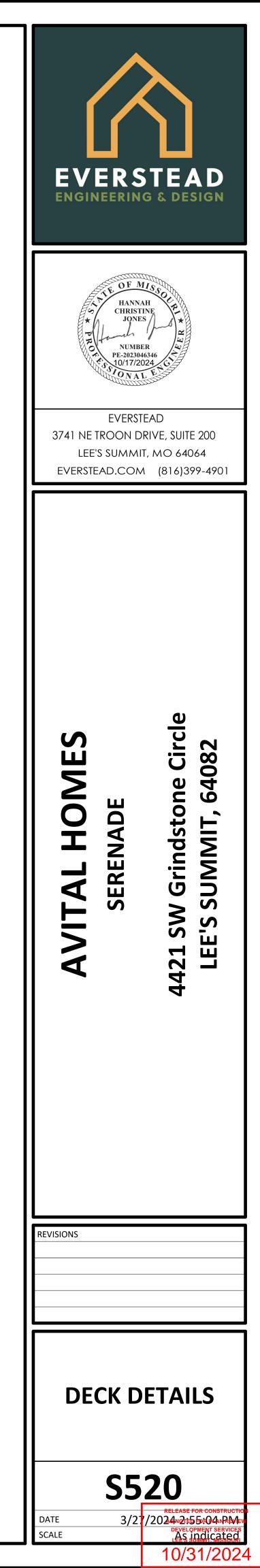
2X6 KNEE BRACE, MIN

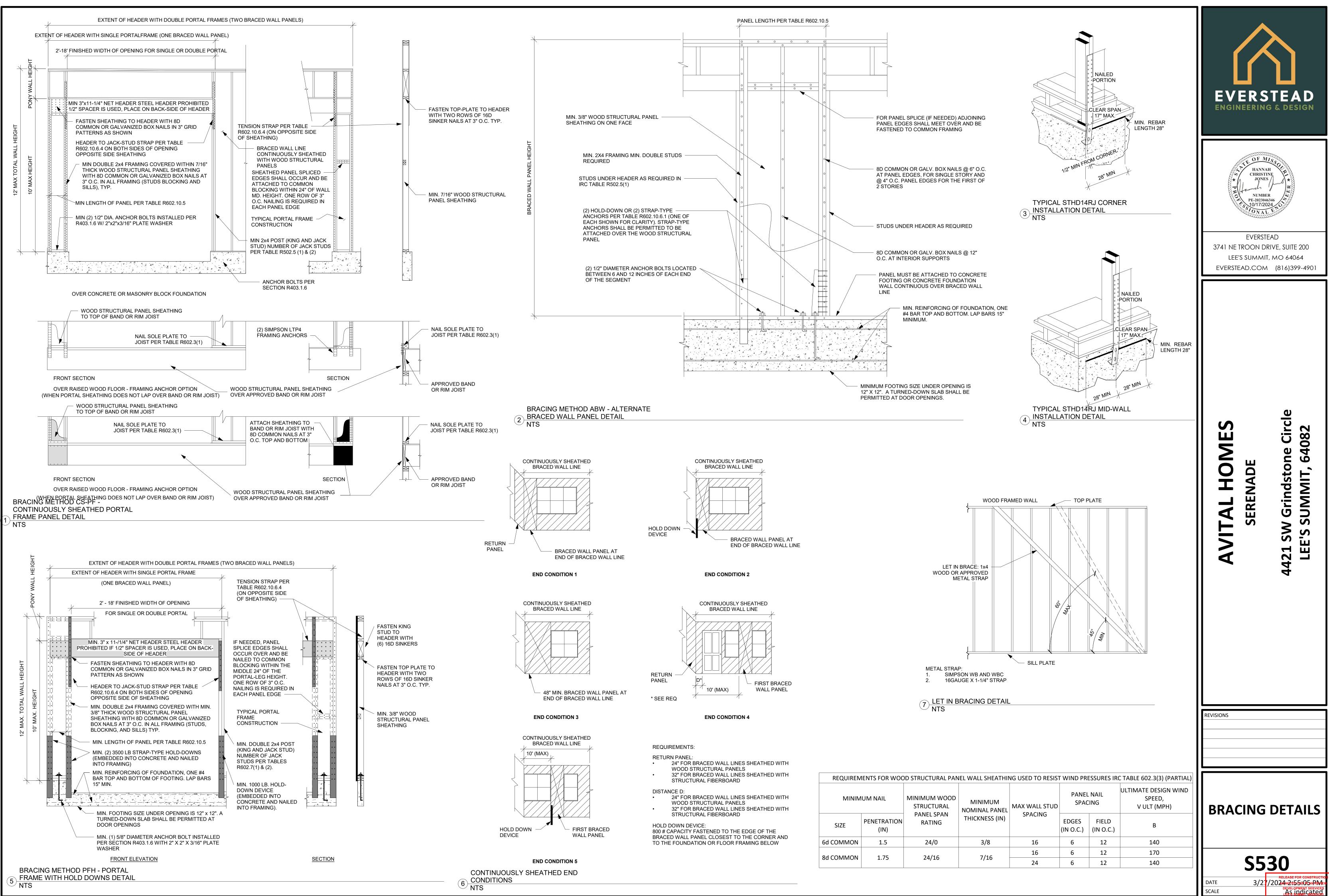
- 1/2" LAG SCEW W/ WASHER, TYP.

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TABLE R507/2 FASTENER SPACING F	FOR A SOUTHERN PINE OR HEM-FIR DECK LEDGER 2" NOMINAL SOLID SAWN SPRUCE-PINE-FIR BAND JOIST (DECK 40PSF, DECK DEAD LOAD = 10 PSF)					
JOIST SPAN	6' AND LESS	6'1 TO 8'	8'1 TO 10'	10'1 TO 12'	12'1 TO 14'	14'1 TO 16'
CONNECTION DETAILS	ON CENTER SPACING OF FASTENERS					
1/2" DIAMETER LAG SCREW WITH 15/32" MAX SHEATHING	30	23	18	15	13	11
1/2" DIAMETER BOLT WITH 15/32" MAX SHEATHING	36	36	34	29	24	21
1/2" DIAMETER BOLT WITH 15/32" MAX SHEATHING AND 1/2" STACKED WASHERS	36	36	29	24	21	18







	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 STO 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 AND 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 BRACE WALL PANEL LOCATIONS: 7 EDGES (INCLUDING TC AND BOTTOM PLATES) 7" FIEL	
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		RIM JOIST, BAND JOIST OR	8d BOX (2-1/2"x0.113")	4" O.C.	TOE NAIL
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	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	FAC	E 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 BEA	RING FACE NAIL
ROOF RAFTERS TO RIDGE, VALLEY	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
OR HIP RAFTERS	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")	O.C AT TOP END	ER AS FOLLOWS: 32 O AND BOTTOM AND GGERED.
	WALL		BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS	10d BOX (3"x0.128") OR		NAIL AT TOP AND
	16d COMMON (3-1/2"x0.162")	24" O.C. FACE NAIL		3"x0.131" NAIL		SIDES
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	FACE NAIL AT ENDS AND AT EACH SPLICE	
STUD TO STUD AND ABUTTING STUDS AT	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 EACH END, TOE NAIL	
INTERSECTION WALL CORNERS (AT BRACED WALL PANELS)	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")	16" O.C. EACH EDGE FACE NAIL	BRIDGING OR BLOCKING TO	2-10d BOX (3"x0.128") OR 2-8d COMMON (2-1/2"x0.131") OR		
	16d BOX (3-1/2"x0.135")	12" O.C. EACH EDGE FACE NAIL	JOIST	2-3"x0.131" NAILS		
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 I PARTICLEBOARD WALL SHEA [SEE TABLE R602.3(3) FOR WOOD STRUCTURAL PANEL E		NG	
	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,	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
BAND JOIST, OR BLOCKING (NOT BRACED WALL PANELS)	-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	I
	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	16d BOX (3-1/2"x0.135") OR         COMMON (2-1/2"x0.131") OR         4-10d BOX (3"x0.128") OR         4-3"x0.131" NAILS	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
TOP OR BOTTOM PLATE TO STUD	4-3"x0.131" NAILS 3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162") OR		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
	3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS 3-10d BOX (3"x0.128") OR	END NAIL	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
	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		7/8" - 1"	8d COMMON (2-1/2"x0.131") NAIL OR 8d DEFORMED (2-1/2"x0.120") NAIL	6	12
1"x8" AND WIDER SHEATHINGTO EACH BEARING	WIDER THAN 1"x8":       FACE NAIL         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**

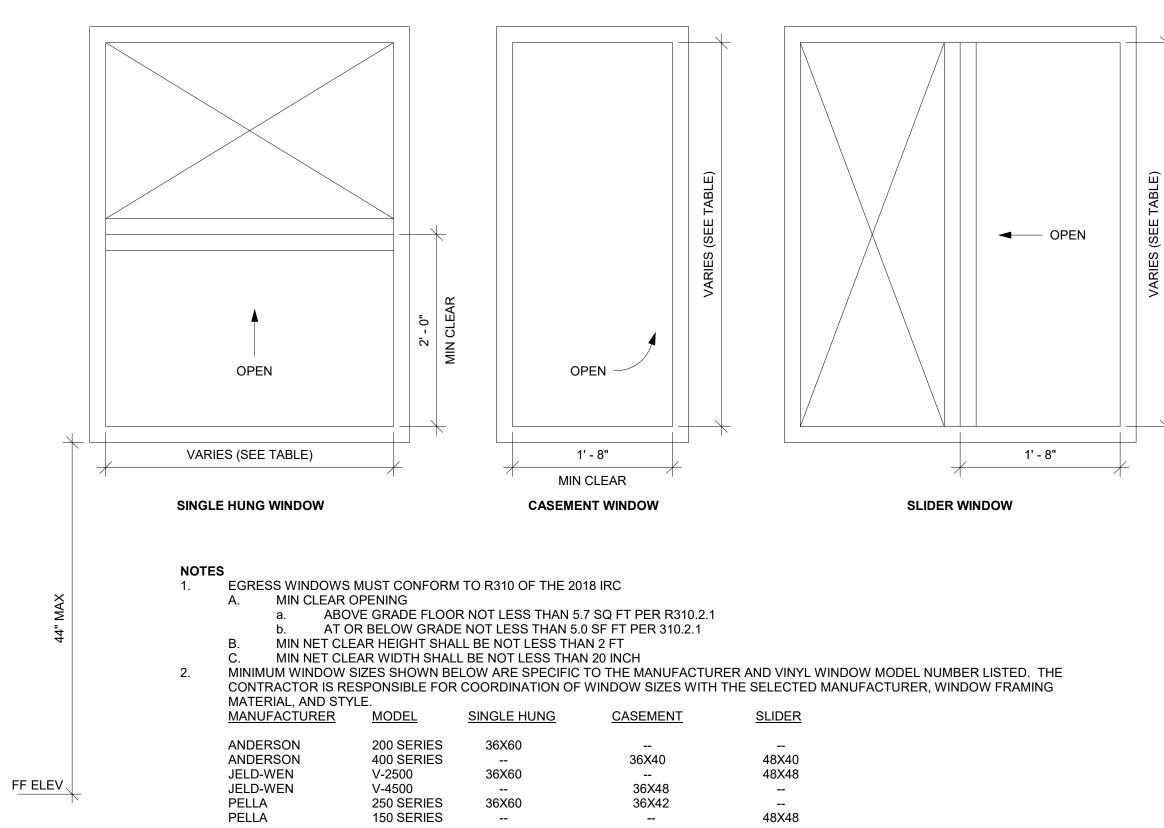
Α.

- 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 9.
- STEEL POST COLUMNS SHALL BE MINIMUM SCHEDULE 40, Fy=35KSI. 10. MINIMUM HEADERS 11.

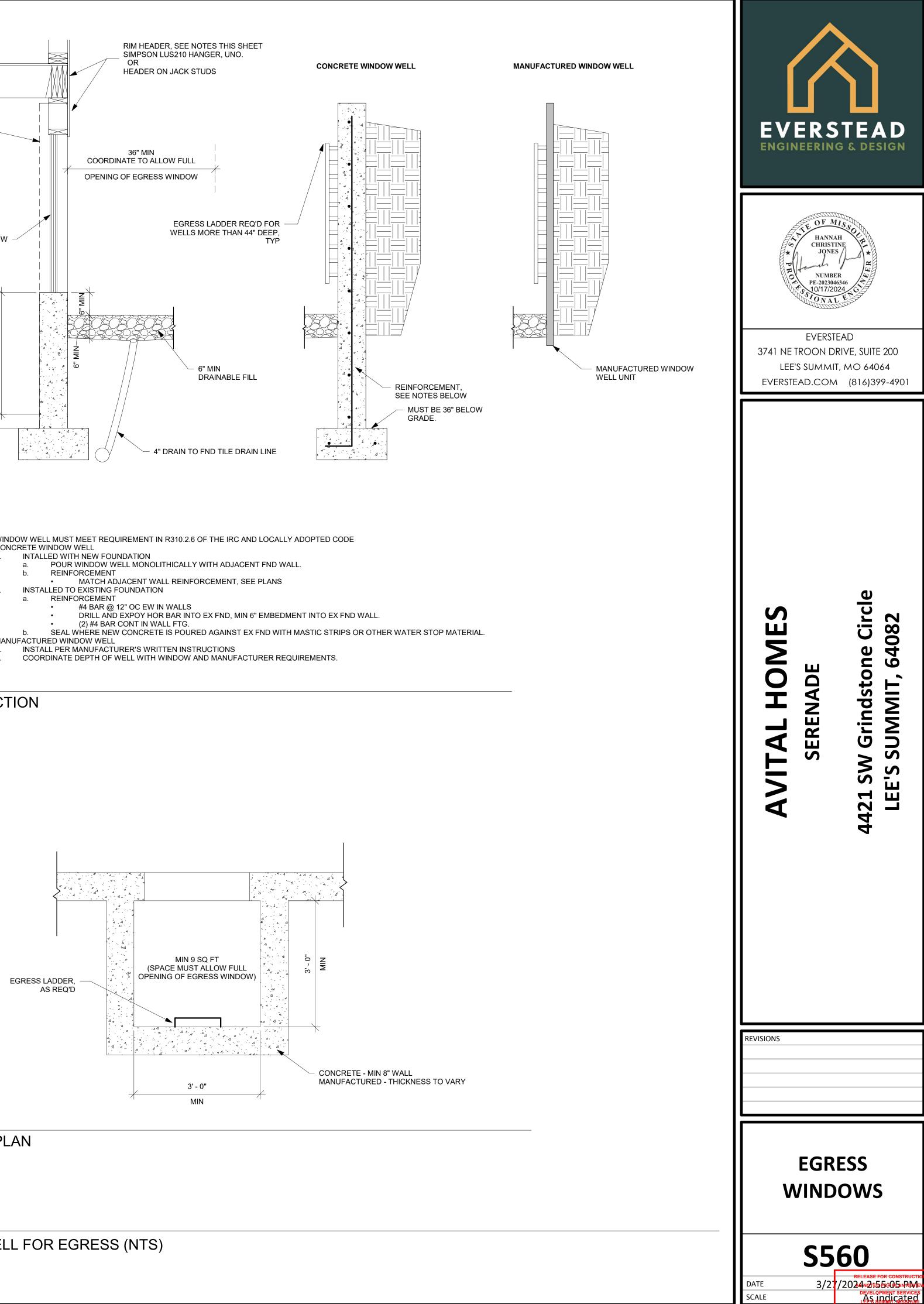
WINDOW EGRESS (NTS)

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)



DATE SCALE

10/31/2024

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

