

# 05/06/2025 9:19:21

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.

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.

SHEET	
NUMBER	SHEET NAME
000	COVER
101	LOWER LEVEL/ FOUNDATION PLAN
G102	MAIN LEVEL PLAN
G103	UPPER LEVEL PLAN
G104	LIGHTING/OUTLET LOCATIONS
G105	ROOF PLAN
G200	ELEVATIONS
5000	STRUCTURAL GENERAL NOTES
6501	FOUNDATION DETAILS
503	GARAGE/SLAB DETAILS
\$510	FRAMING STANDARDS
\$520	DECK DETAILS
\$530	BRACING DETAILS
550	FASTENING SCHEDULE
560	EGRESS WINDOWS



9'-0" FOUNDATION WALL EXCEPT AT STEP DOWNS TO BE LOCATED IN THE FIELD

UNBALANCED FILL NOT TO EXCEED 4'-0" AT UNRESTRAINED WALLS

ALL FOOTING TO BE BELOW FROST LINE (3'-0") AS REQUIRED PER SITE

BUILDING SQUARE FOOTAGE (SQFT)					
MAIN LEVEL CONDITIONED SPACE TOTAL	1066				
UPPER LEVEL CONDITIONED SPACE TOTAL	1230				
CONDITIONED SPACE TOTAL (SQ FT)	2296				
OPT LOWER LEVEL CONDITIONED SPACE TOTAL	704				
MAIN/LOWER LEVEL STAIR SPACE	38				
LOWER LEVEL UNCONDITIONED SPACE TOTAL	1003				
GARAGE TOTAL	678				
PORCHES AND DECKS TOTAL	222				
UNCONDITIONED SPACE TOTAL (SQ FT)	1903				

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



DATE SCALE 4/18/2025 4:10:42 PM

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 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

#### 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 3 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" 5
- GYPSUM BOARD INSTALLED ON THE INTERIOR SIDE.

#### BRACING METHODS

BRACING CS-WSP PER IRC R602.10

	B PER IRC R602.10 B 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

	ISOLATED FOOTINGS AND COLUMN PADS						
SYM	PIER PAD SIZE	DEPTH	MINIMUM REINFORCEMENT GRADE 40 KSI STEEL	SCHEDULE 40 STEEL COLUMN, MIN FY = 35 KSI			
Â	30"x30"	1'-0"	(5) #4 BAR E.W.	3" DIAMETER			
B	36"x36"	1'-0"	(6) #4 BAR E.W.	3" DIAMETER			
c	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

\*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.

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

#### FOUNDATION NOTES:

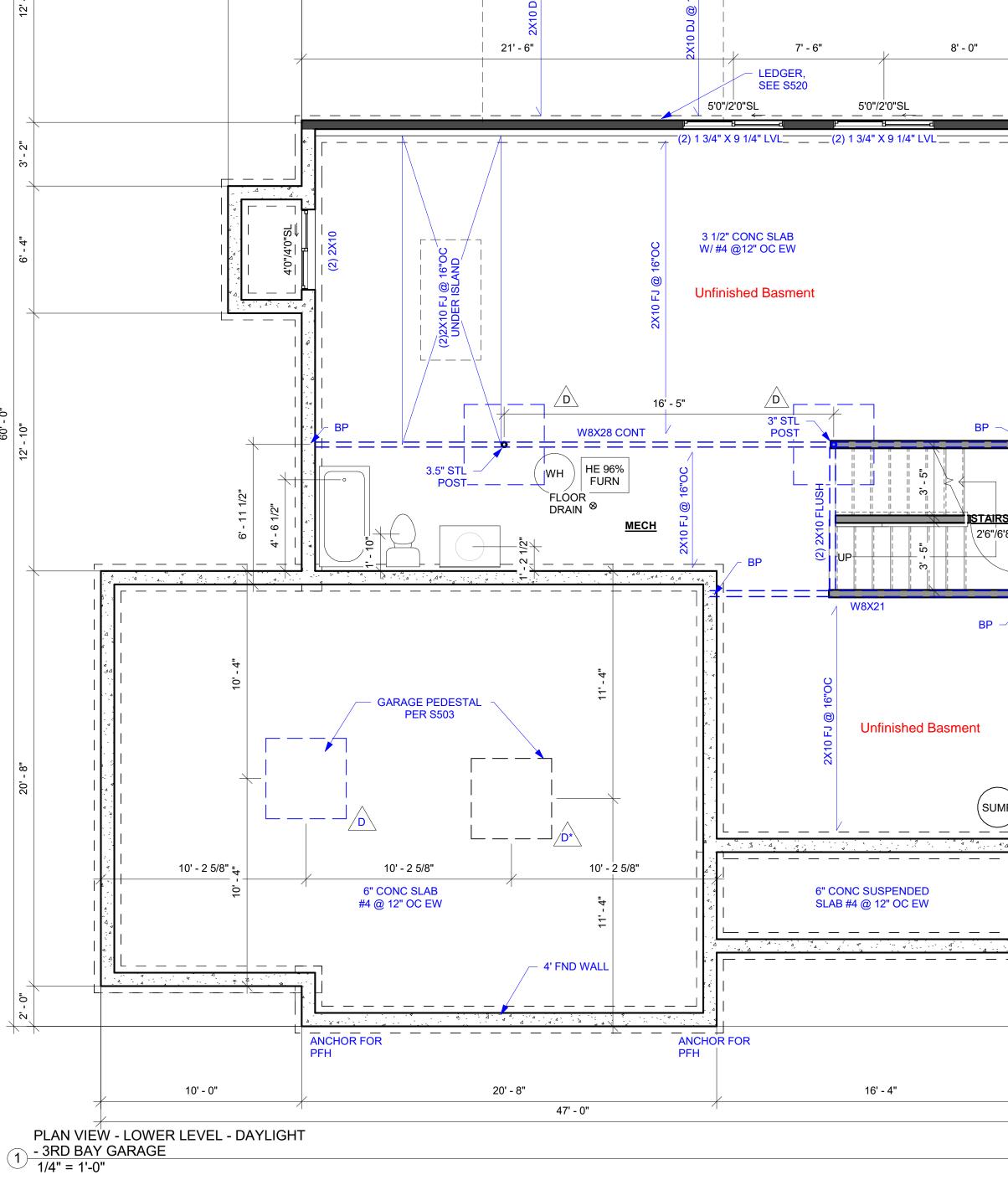
- ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE (IRC). FOOTING ELEVATION TO BE DETERMINED BASED ON FINAL GRADE: ALL FOOTINGS MEET OR EXCEED MINIMUM FROST DEPTH OF 36".
- SOIL BEARING CAPACITY SHALL BE MINIMUM 1500 PSF.
- REFER TO SHEET S000 FOR MINIMUM SPECIFIED COMPRESSIVE STRENGTH 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 MINIMUM OF 7". 11.
- BASEMENT EGRESS SHALL COMPLY WITH IRC R310. 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).

9'-0" FOUNDATION WALL EXCEPT AT STEP DOWNS TO BE LOCATED IN THE FIELD

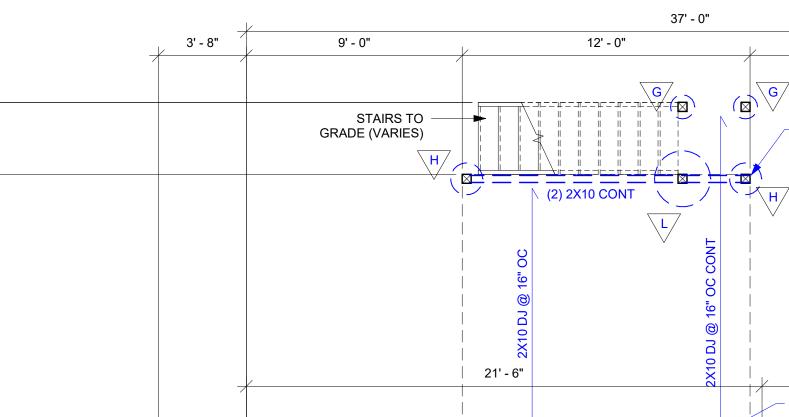
UNBALANCED FILL NOT TO EXCEED 4'-0" AT UNRESTRAINED WALLS

ALL FOOTING TO BE BELOW FROST LINE (3'-0") AS REQUIRED PER SITE

ALL LOWER LEVEL FRAMED EXTERIOR WALLS TO BE BRACED USING CS-WSP FOR THEIR ENTIRE LENGTH.







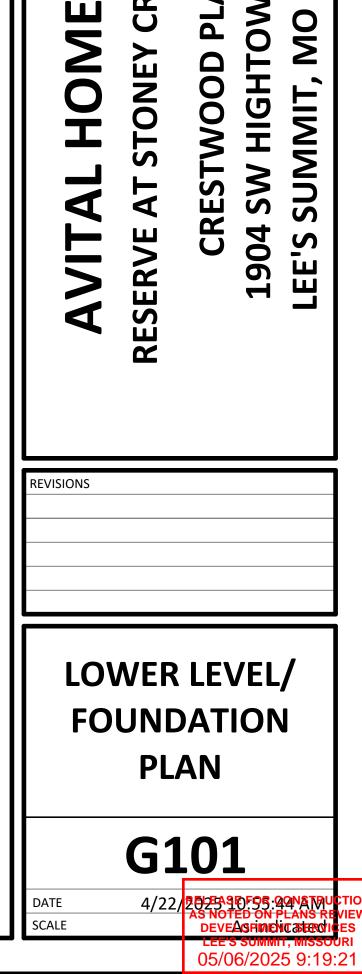
16' - 0"

6X6 POST ON

POST BASE,

TYP SEE S520

CONSTRUC	TION NOTES - N	EW CONSTRUC	<u>FION</u>		
		ONS ARE MEASU	RED TO THE		
. ALL	FACE OF STUD U.N.O. ALL STRUCTURAL BEAMS ARE MEASURED TO				
. NEW		E MEMBER. VINDOWS ARE TA	AGGED IN		$P_{V}   P_{L}$
. ALL		AGGED IN INCH			LOVES
VER	IFIED BY CONTR				
ARC	HITECTURAL PL	IS ARE SHOWN ( _ANS FOR REFE	RENCE		ALL PATHS LEAD HOME
SPE	CIFICATION.	FURAL PLANS FO			AVITAL HOMES (816)914-7128
		INSTALLED WITH			
TOIL 3. ALL		VE 21" CLEARAN	CE AT		THIS DESIGN AND DETAILS DISCLOSED ARE THE EXCLUSIVE PROPERTY OF AVITAL HOMES AND SHALL
	NT OF TOILET. SINKS TO HAVE	21" CLEARANCE	AT FRONT		NOT BE COPIED OR REPRODUCED IN WHOLE OR IN PART WITHOUT ITS PRIOR WRITTEN CONSENT.
	SINK. SHOWERS TO F	AVE 24" CLEAR	ANCE AT		
OPE	NING.				
			1		
	WALL LEGEN	ID - NEW CONST	RUCTION		
		FOUNDATION	WALL		
		NEW INTERIO	R PARTITION		
		NEW EXTERIO	RWALL		
					EVERSTEAD
					ENGINEERING & DESIGN
			]		
	LOWER	R LEVEL WIN	DOW		
	Count	Type Mark	Head		
	Count		Height		
	1	4'0"/4'0"SL	7' - 0"		HANNAH
	2	5'0"/2'0"SL	7' - 0"		CHRISTINE JONES
					Floren (ma)
					NUMBER PE-2023046346
			]		STONAL CONTRACTOR
	LOWER LE	VEL DOOR S	CHEDULE		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	Count	Type Mark	Locations		EVERSTEAD
	1	2'6"/6'8"			3741 NE TROON DRIVE, SUITE 200
		20/00			LEE'S SUMMIT, MO 64064 EVERSTEAD.COM (816)399-4901



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INTERIOR LOAD BEARING WALL

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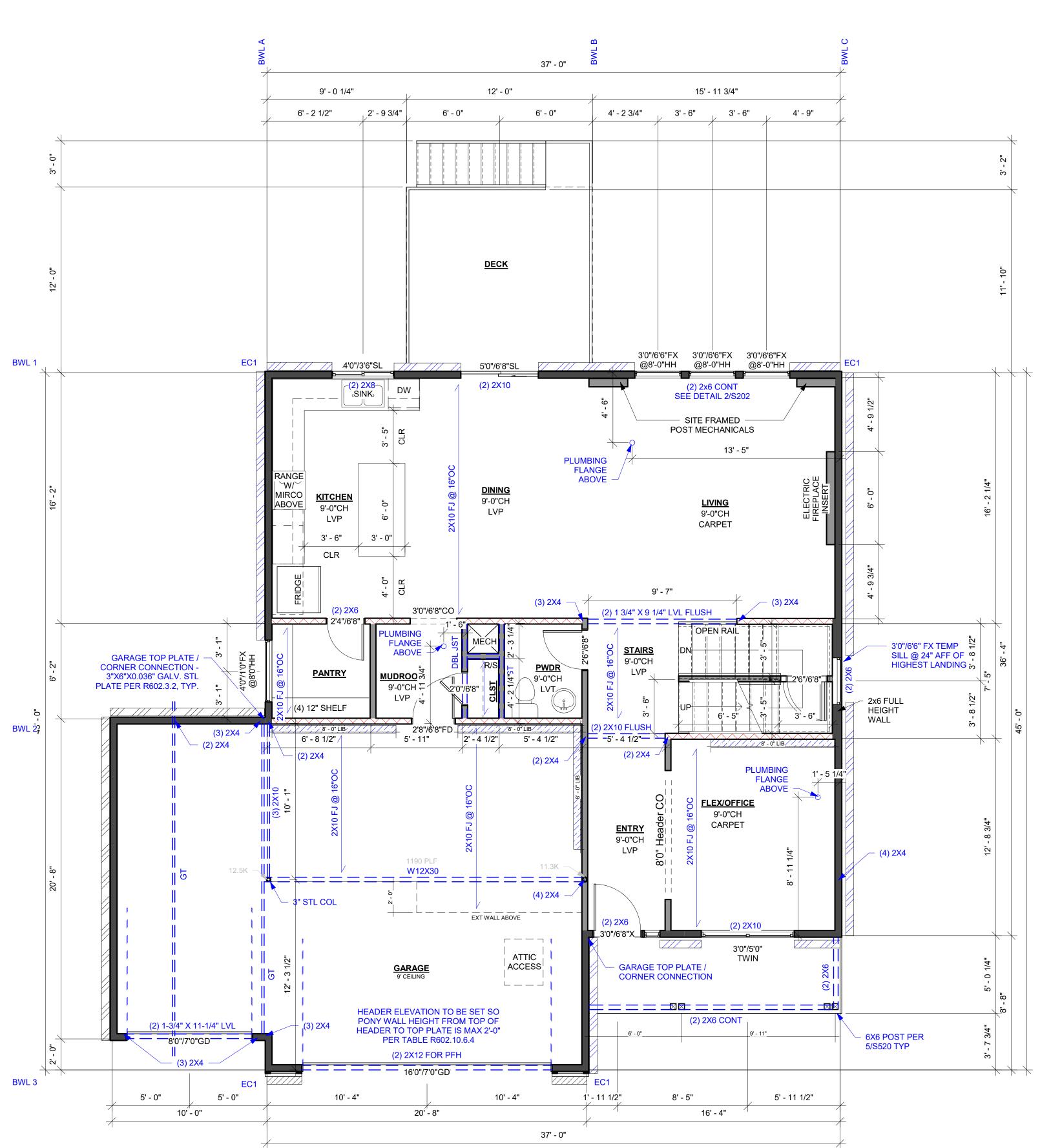
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- INTERIOR FINISH OF EXTERIOR WALLS SHALL BE MINIMUM 1/2" 5 GYPSUM BOARD INSTALLED ON THE INTERIOR SIDE.

#### BRACING METHODS

BRACING CS-WSP PER IRC R602.10

	PER IRC R602.10 LENGTH PER 2018 IRC TABLE R602.10.5:
•	55" - 8' TALL WALL HEIGHT
•	62" - 9' TALL WALL HEIGHT
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BRACING PFH PER IRC R602.10.6.2



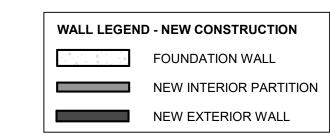
# PLAN VIEW - MAIN LEVEL - FARMHOUSE 1 <u>- 3RD BAY</u> 1/4" = 1'-0"

	IRC TABLE N1102.1.	.2 (R402.1.2) I	NSULATION AND F	ENESTRATION	REQUIREM	ENTS BY COMPO	ONENT (PAR	TIAL) AND ENERG	GY CONSERVATIO	ON CODE COMPLIA	NCE
CLIMAT ZONE		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	DUCTV R-VAI
4 EXCER MARINI	37	.55	.40	49	49	20 OR 13+5H	19	10/13	10, 2 FT	10/13	8

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- ALL CRITICAL DIMENSIONS TO BE FIELD VERIFIED BY CONTRACTOR.
- STRUCTURAL BEAMS ARE SHOWN ON ARCHITECTURAL PLANS FOR REFERENCE ONLY. SEE STRUCTURAL PLANS FOR SPECIFICATION.
- 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. 10. ALL SHOWERS TO HAVE 24" CLEARANCE AT OPENING.

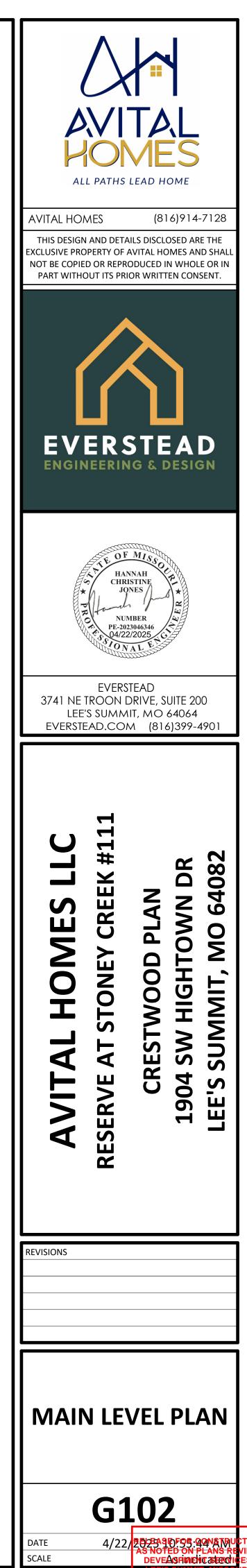


# MAINTEVEL WINDOW SCHEDUIE

MAIN LEVEL WINDOW SCHEDULE						
Count	Type Mark		Head Height			
1	3'0"/5'0" TWIN	1	7' - 0"			
3	3'0"/6'6"FX @8'-0"HH		8' - 0"			
1	3'0"/6'6"FX TEN	lΡ	13' - 4 1/2"			
1	4'0"/1'0"FX @8'0"HH		4' - 0"			
1	4'0"/3'6"SL		7' - 0"			
MAIN	LEVEL DOOR S	CH	EDULE			
Count	Type Mark	Locations				
1	2'0"/6'8"					
1	2'4"/6'8"	Pa	Pantry			
2	2'6"/6'8"	<v< td=""><td>aries&gt;</td></v<>	aries>			
1	2'8"/6'8"FD	Ga	arage Entry			
1	3'0"/6'8"CO	Ca	sements			

3'0"/6'8"X

5'0"/6'8"SLDining Door16'0"/7'0"GDGarage Door



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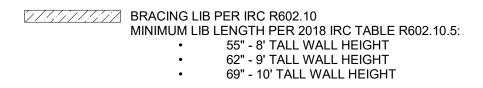
INTERIOR LOAD BEARING WALL

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#### BRACING METHODS

BRACING CS-WSP PER IRC R602.10



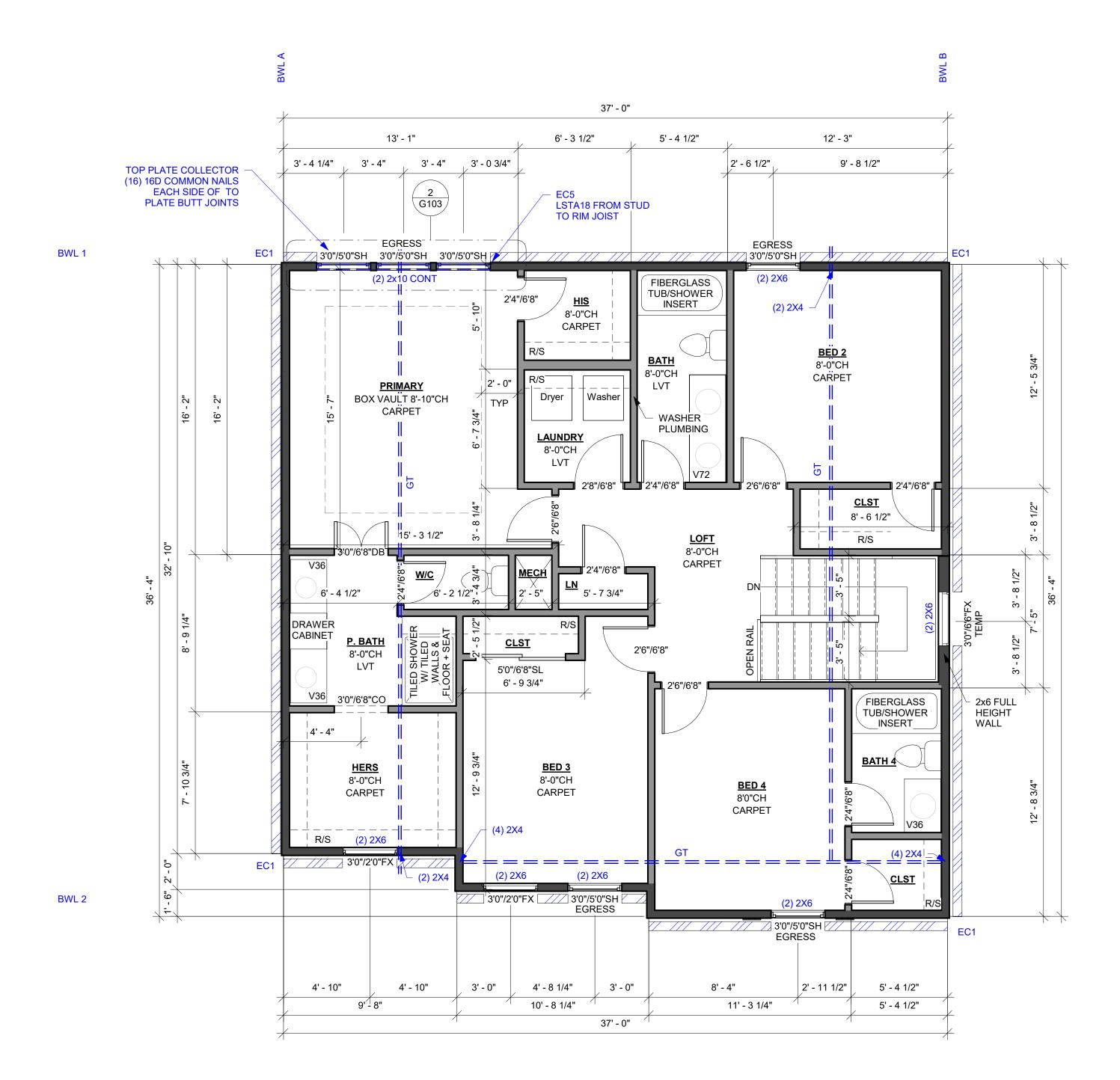
BRACING PFH PER IRC R602.10.6.2



2 TYP 3-WINDOW FRAMING 3/8" = 1'-0"

1 <u>PLAN VIEW - UPPER LEVEL</u> 1/4" = 1'-0"

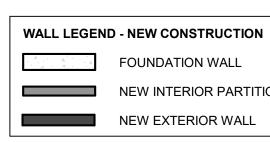
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4 EXCEP <sup>-</sup> MARINE	32	.55	.40	49	49	20 OR 13+5H	19	10/13	10, 2 FT	10/13	8



\_\_\_\_\_ WORK ALUE 

## **CONSTRUCTION NOTES - NEW CONSTRUCTION**

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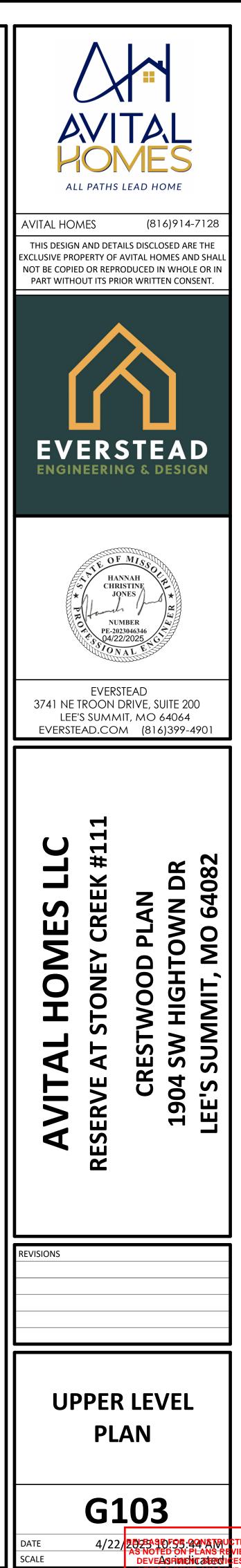
FOUNDATION WALL NEW INTERIOR PARTITION NEW EXTERIOR WALL

UPPER LE	VEL WINDOW	SCHEDULE			
Count Type Mark Head Heigh					

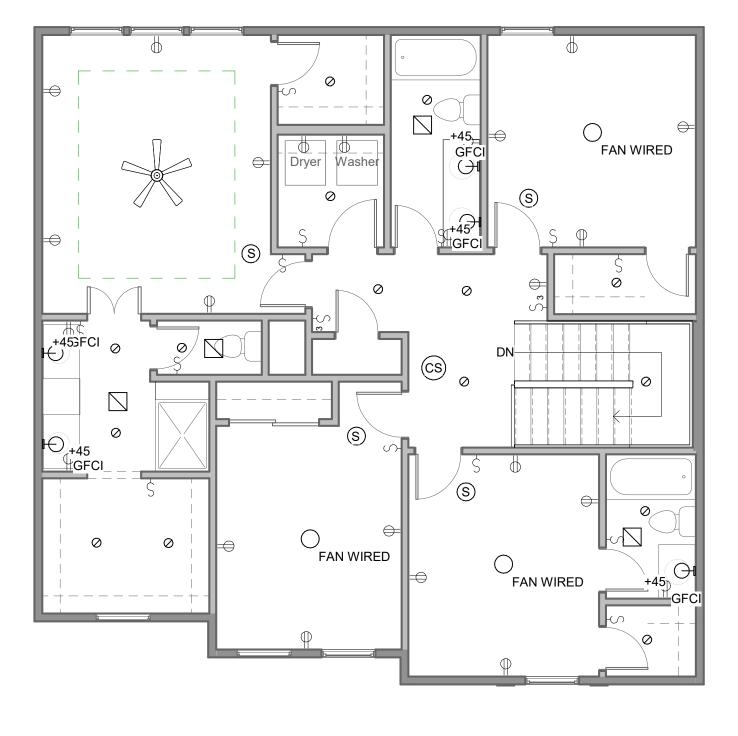
3'0"/2'0"FX	7' - 0"
3'0"/5'0"SH	7' - 0"

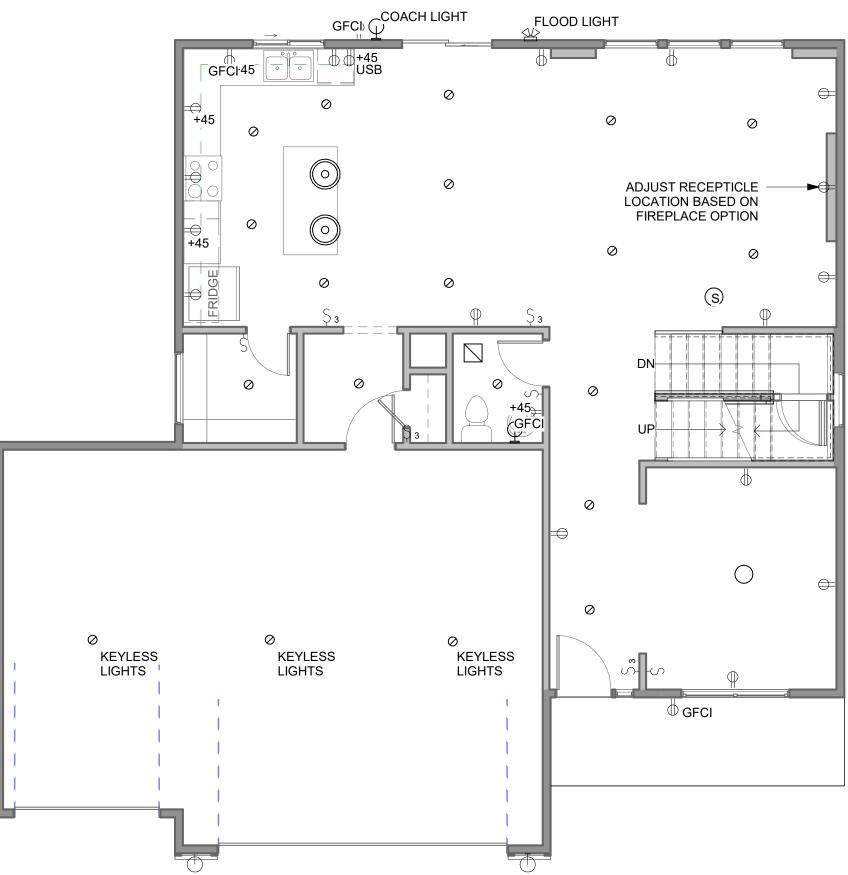
UPPER LEVEL DOOR SCHEDULE				
Count	Type Mark	Locations		
7	2'4"/6'8"	<varies></varies>		
4	2'6"/6'8"	<varies></varies>		
1	2'8"/6'8"	Laundry		

1	2'8"/6'8"	Laundry
1	3'0"/6'8"CO	Casements
1	3'0"/6'8"DB	P.Bath
1	5'0"/6'8"SL	Closet



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PLAN VIEW - UPPER LEVEL 1 LIGHTING/OUTLET 3/16" = 1'-0"

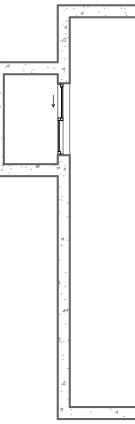
PLAN VIEW - MAIN LEVEL 2 LIGHTING/OUTLET 3RD BAY 3/16" = 1'-0"



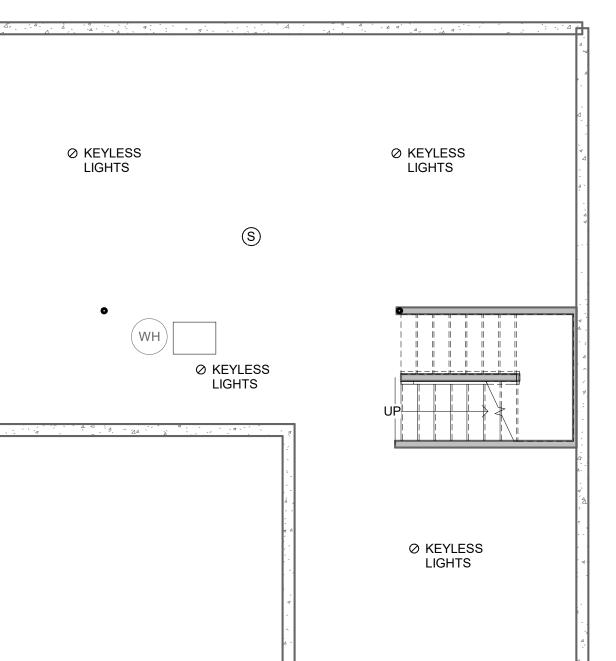
PLAN VIEW - LOWER LEVEL UNFINISHED LIGHTING/OUTLET 3/16" = 1'-0"

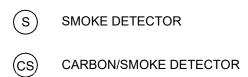
LIGHTING + OUTLET: Ø RECESSED LIGHT SURFACE MOUNT LIGHT FIXTURE EXHAUST FAN O PENDANT LIGHT 

CEILING FAN  $\rightarrow$ 









- $\bigoplus$  DUPLEX RECPTICAL
- SINGLE WAY SWITCH
- $S_3$  TWO WAY SWITCH

#### 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 2.
- LOADING.
- ALL EXTERIOR AND/OR LOAD BEARING WALL HEADERS SHALL BE MIN. (2) #2 3. 2X10 UNO.
- CONSULT ENGINEER IF TRUSSES BEAR ON INTERIOR WALLS SHOWN AS NON-4.
- LOAD BEARING ON APPROVED POINTS.
- PROVIDE 2X SOLID BLOCKING SUPPORT BELOW ALL POINT LOADS CONTINUOUS 5. TO 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 8. LOAD SUPPORTING MEMBER. STUD PACK / COLUMN SHOWN ON PLANS.
- ROOF COVERING SHALL BE ASPHALT SHINGLES AND SHALL COMPLY WITH IRC 9. 2018 SECT. R905.2
- MINIMUM ROOF SLOPE FOR ASPHALT SHINGLES SHALL BE 2:12. 10.
- ROOF SLOPES IN BETWEEN 4:12 AND 2:12 SHALL REQUIRE DOUBLE 11. UNDERLAYMENT IN ACCORDANCE WITH IRC 2018 TABLE R905.1.1(2).
- 12. EVERSTEAD STRUCTURAL SCOPE ENDS AT TOP PLATE FOR ROOF TRUSSES.

<u>\_\_\_\_\_</u> TRUSS DIRECTION

\_ \_ \_ \_ \_ \_ \_

\_ \_ \_ \_ \_ \_ \_

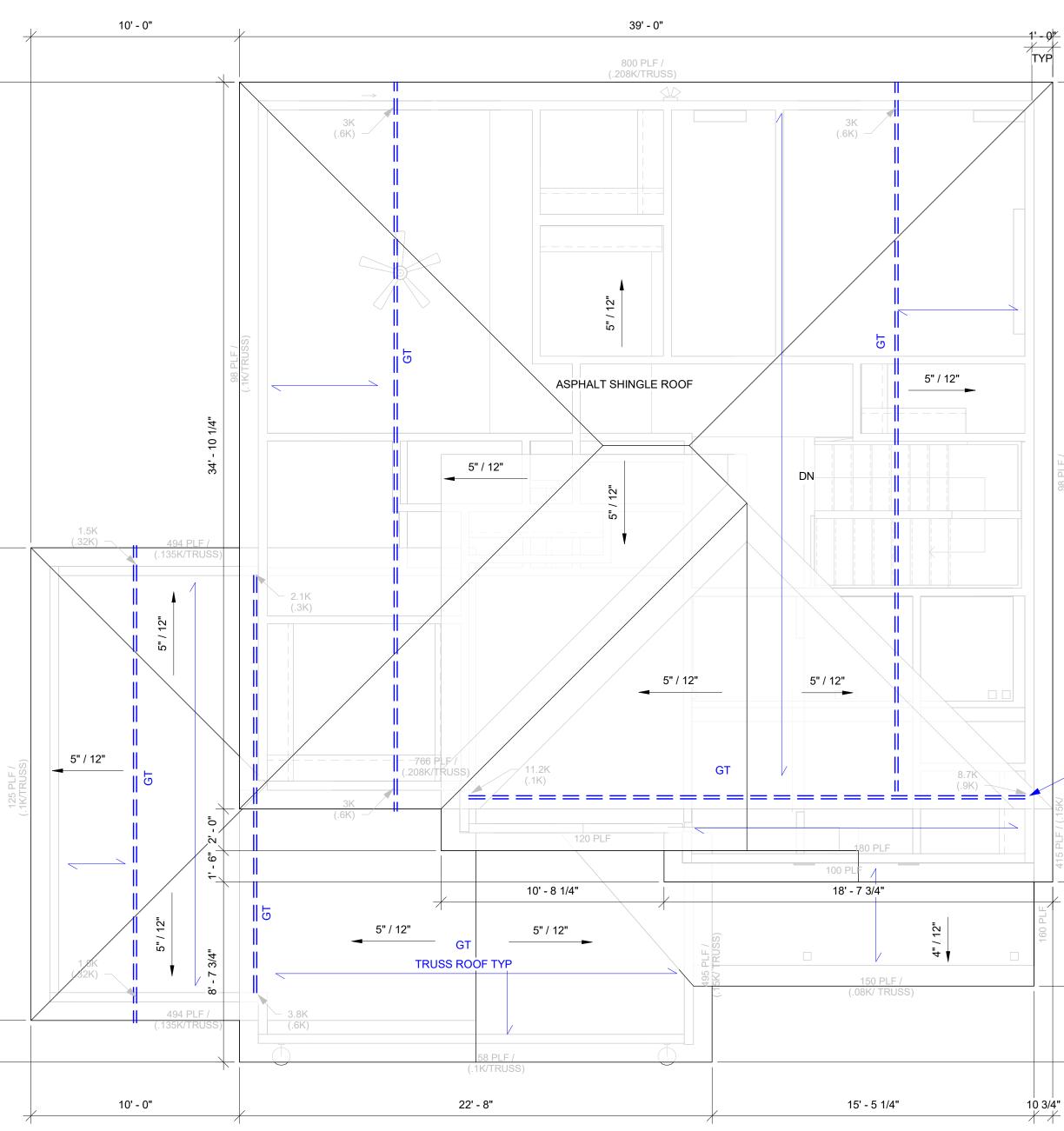
GIRDER TRUSS LOCATION

INTERIOR LOAD BEARING WALL

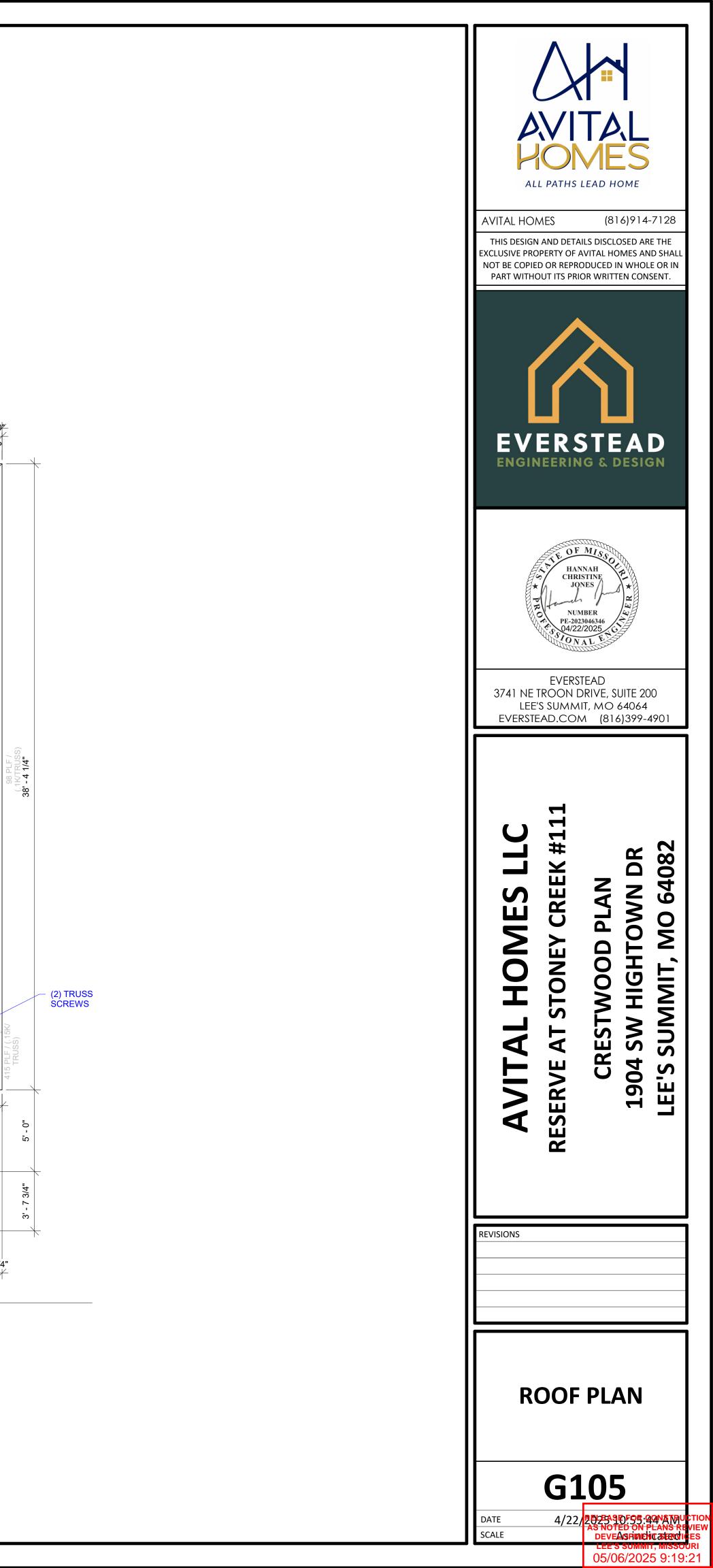
TRUSS SCREWS

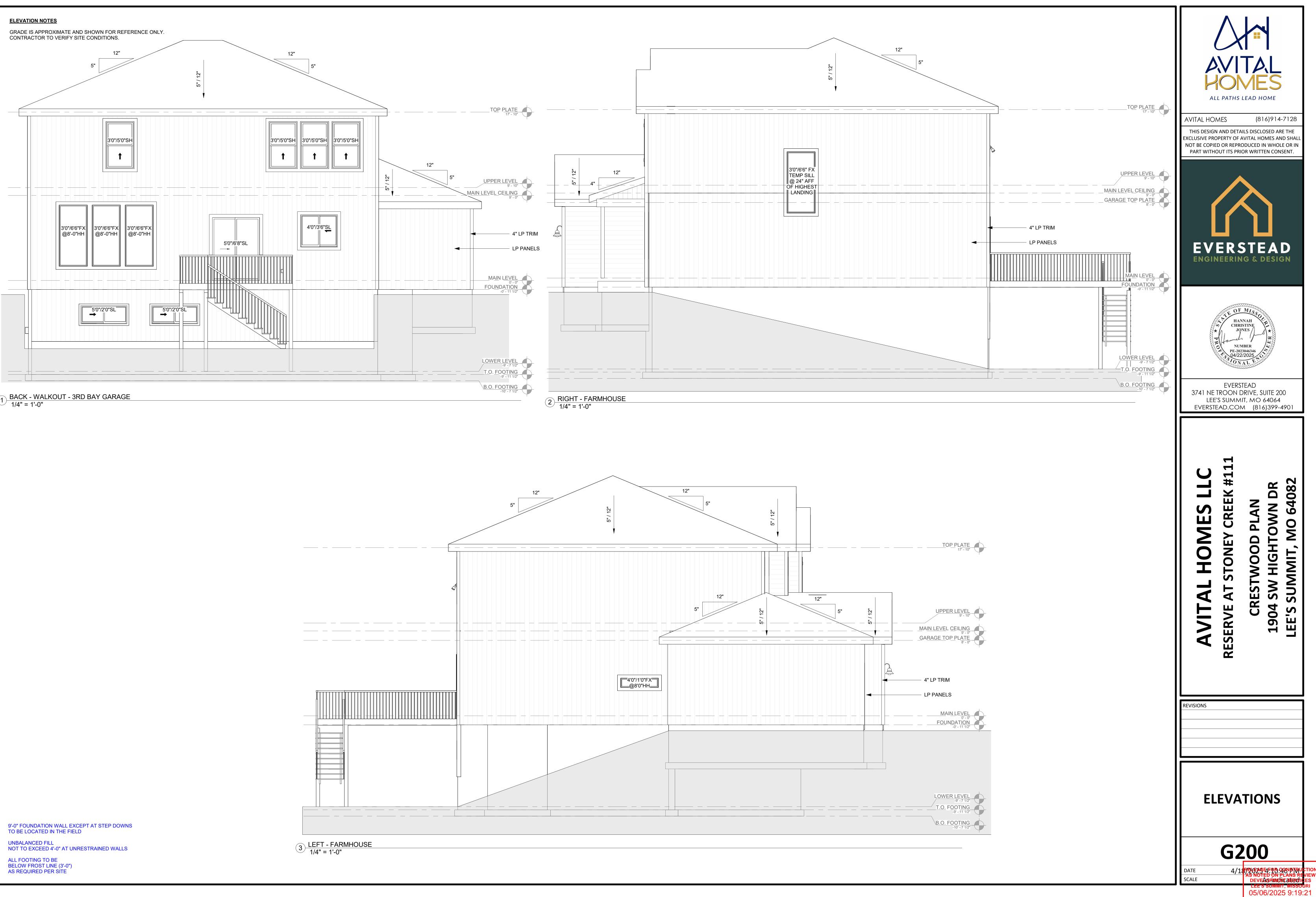
4.

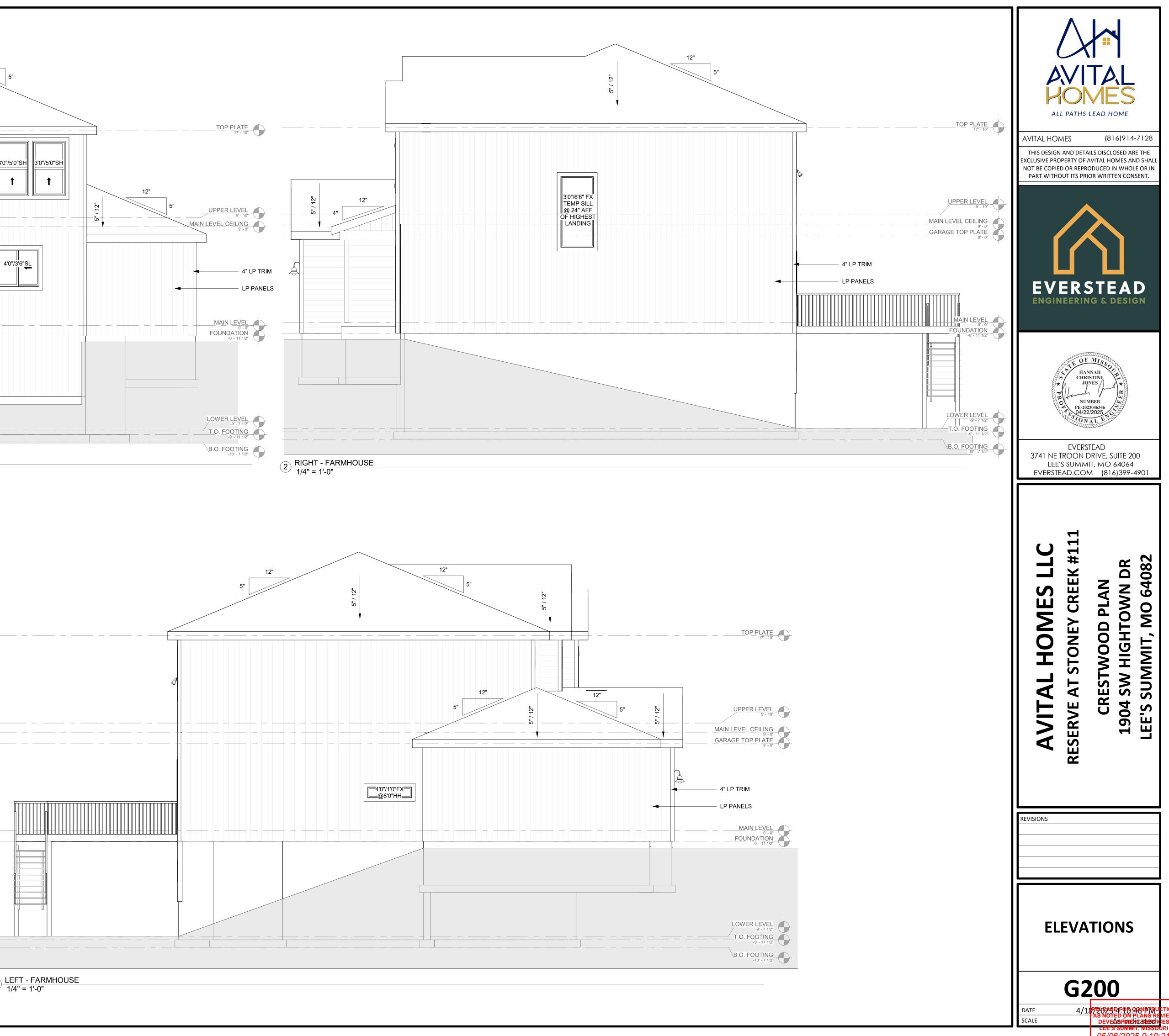
- TRUSS SCREWS MAY BE USED INSTEAD OF THE 1.
- FASTENING NOTED IN TABLE R602.3(1) TRUSS SCREWS MUST BE INSTALLED PER 2.
- MANUFACTURER'S INSTRUCTIONS.
- 3. BASIS OF DESIGN SHOWN ON PLANS:
  - A. SIMPSON STRONG DRIVE SDWC TRUSS SCREW LENGTH: 6" В. FASTENED THROUGH THE BOTTOM SIDE OF A # C. 2 DOUGLAS FIR - LARCH DOUBLE 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 b. WHEN BOTH SCREWS ARE INSTALLED VERTIALLY INTO TRUSS.
  - (INSTALLATION CONF. B) TRUSS BEARING WITH UPLIFT THAT EXCEEDS THE
- TRUSS SCREW CAPACITY LISTED ABOVE MUST HAVE ADDITIONAL FASTENING, AS SHOWN ON PLAN.



 $1 \frac{\text{ROOF PLAN - FARMHOUSE 3 CAR}}{1/4" = 1'-0"}$ 







Α.	GENERAL NOTES IRC 2018		C.5	CONCRETE (CONT.)
A.1		ONAL RESIDENTIAL CODE (IRC) WITH AMENDMENTS AS G JURISDICTION. THE CONTRACTOR SHALL NOTIFY THE		CONCRETE MIX TO UTILIZE A MAXIMU     APPLICATIONS. ADMIXTURES SHALL
	EVERSTEAD IF ANY CHANGES OR DEVIATION EVERSTEAD MAY REQUIRE REVISED DRAWIN	IS FROM THE PLAN ARE MADE DURING CONSTRUCTION. NG OR CALCULATIONS AT ITS DISCRETION. IF CONSERVATIVE SPECIFICATION SHALL APPLY.		CONCRETE POURED AGAINST AN EXI OF 1/4 INCH AMPLITUDE.
A.2	LOADING ASSUMPTIONS			REBAR PLACEMENT SHALL BE AS FOI
	DEAD ROOF	10 PSF UNO		CONCRETE CAST AGAINST AN     CONCRETE EXPOSED TO EAR
	ROOF + CEILING (NO STORAGE) ROOF + CEILING (STORAGE)	15 PSF 20 PSF		NOT EXPOSED TO WEATHER     1) SLABS, WALLS, JOISTS
	CEILING JOISTS (STORAGE) EXTERIOR BALCONY / DECK	10 PSF 10 PSF		2) BEAMS, COLUMNS
	INTERIOR FLOOR (MAIN FLOOR) INTERIOR FLOOR (UPPER FLOORS) 8" THICK MASONRY WALL	15 PSF 10 PSF 96 PSF		CONCRETE MIX DESIGN SHALL BE 6%     WALLS, OR FLATWORK EXPOSED TO
	6" THICK MASONRY WALL EXTERIOR LIGHT FRAMED WOOD WALLS INTERIOR LIGHT FRAMED WOOD WALLS	72 PSF 15 PSF 10 PSF		<ul> <li>SHORING AND SUPPORTING FORMWO MEMBERS BEFORE CONCRETE STRE CYLINDERS OR 28 DAYS.</li> </ul>
	(INTERIOR WALLS INCLUDED IN 15 PSF DEAD LIVE ROOF LIVE LOAD	20 PSF		<ul> <li>ALL FOUNDATION WALLS ENCLOSING DAMPPROOFING SHALL EXTEND FRO (IRC R406.1)</li> </ul>
	FLOOR LIVE LOAD GARAGE	40 PSF (HABITABLE) 50 PSF WITH 2000 LB POINT LOAD	C.6	CONCRETE WALLS WITH REINFORCEMENT S
	STORAGE GUARDRAIL: CONTINUOUS LINEAR	20 PSF (UNINHABITABLE) 50 PLF		REINFORCING STEEL SHALL CONFOR
	MAXIMUM POINT	200 LBS		SMOOTH BARS OR WELDED WIRE FAI
	<u>SNOW</u> GROUND SNOW LOAD	20 PSF		90 DEG. HOOK SHOWN IN DRAWINGS
	<u>wind</u> Velocity			<ul> <li>STRAIGHT EXTENSION LENGT</li> <li>BEND DIAMETER = 12X BAR DI</li> </ul>
	EXPOSURE CATEGORY	115 MPH B		HOOKED DOWELS:
В.	SOIL AND SITE ASSUMPTIONS			HOOKED DOWELS FROM FOU VERTICAL WALL REINFORCING
B.1	KANSAS CITY, MO) UNLESS OTHERWISE NOT PROVIDE GEOTECHNICAL INVESTIGATION TO	DIL BEARING FOR THE SITE OF 1,500 PSF (2,000 PSF FOR ED. CONTRACTOR TO VISUALLY INSPECT THE SITE OR VERIFY MINIMUM ACCEPTABLE SOIL CONDITIONS FOR CL CONTRACTOR IS RESPONSIBLE FOR ANY SOIL CONDITION		<ul> <li>FOUNDATION.</li> <li>HOOKED DOWELS MATCH SLA FOUNDATION.</li> </ul>
		REMENTS AND FOR CONTACTING EVERSTEAD.		PROVIDE (2) - #5 BARS AROUND PERI
B.2		EIGHT LESS THAN 10'-0" AND AN AREA LESS THAN 600 FT INCHES MEASURED FROM THE BOTTOM OF CONCRETE.		WHERE SPLICES ARE NECESSARY IN     IN ACCORDANCE WITH TABLE R608.5.     BETWEEN NONCONTACT PARALLEL E
B.3	ACTIVE 60 PSF AT REST 100 PSF	VISE NOTED		OF ONE-FIFTH THE REQUIRED LAP LE
В.4	SITE GRADING SHALL PROVIDE POSITIVE DR	AINAGE AWAY FROM THE STRUCTURE AT A MINIMUM OF		TOP HORIZONTAL REINFORCEMENT S     WALL.
		PROACHES MAY BE APPROVED IF THE ALTERNATE DESIGN FORMANCE, AND PROVIDES FOR POSITIVE SITE		HORIZONTAL WALL REINFORCEMENT     STANDARD HOOK
C.	FOUNDATION NOTES		C.7	COLD WEATHER CONCRETE
C.1	FOUNDATION ANCHORAGE (IRC R403.1.6)			COLD WEATHER IS DEFINED AS THRE     TEMPERATURE DROPS BELOW 40 DE
	SILL PLATES SHALL BE BOLTED TO T ANCHOR BOLTS EMBEDDED AT LEAS	HE FOUNDATION WALL WITH A MINIMUM ½" DIAMETER T 7" INTO THE CONCRETE.		FAHRENHEIT FOR MORE THAN HALF
	BOLTS SHALL BE SPACED NO GREAT	ER THAN 6'-0" O.C.		COLD WEATHER CONCRETE WORK S
		BOLTS PER PLATE SECTION, WITH A BOLT PLACED BOLT DIAMETERS OF THE END OF EACH PLATE SECTION.		ALL MATERIALS AND EQUIPMENT REC PROJECT SITE BEFORE COLD WEATH
		R SHALL BE TIGHTENED ON EACH BOLT TO THE PLATE, LATE + 3/4" FOR NUT AND WASHER EQUALS A 9-1/4" LONG		<ul> <li>THE CONCRETE MIX DESIGN PROVIDE AVERAGE 28 DAY MIX DESIGN COMPE WHICHEVER IS GREATER.</li> </ul>
	WALL BRACING METHODS (IRC R602)	MAY REQUIRE ADDITIONAL ANCHORAGE.		THE TEMPERATURE OF CONCRETE A     FAHRENHEIT .
C.2	CONCRETE SLABS			THE MINIMUM CONCRETE TEMPERAT
		IATERIAL WHICH SHALL BE COMPARED TO ENSURE D SHALL NOT EXCEED 24" OF COMPACTED GRANULATED OF EARTH:		<ul><li>DEGREES FAHRENHEIT.</li><li>ALL SNOW, ICE AND FROST MUST BE</li></ul>
	FLOOR SLABS.	E FLOOR FILLS, OR OVER EXCAVATED AREAS UNDER		THE CONTRACTOR SHALL PROVIDE A     FREEZING AND MAINTAIN A CONCRET     HOUR PERIOD AFTER CONCRETE PLA     INSULATING BLANKETS AND/OR THE
	BASED ON SIZE AND SPACING SEPARATE DESIGN.	ON DETAILS IN THIS DOCUMENT (WHERE APPLICABLE G LIMITATIONS) MAY BE USED IN LIEU OF PROVIDING A		GROUND TEMPERATURE AT THE TIME LESS THAN 35 DEGREES FAHRENHEI
		DING THE SPANS AND CONDITIONS OF THE APPROVED BY A PROFESSIONAL ENGINEER.		INSULATION, FORMS AND HEATERS M
	SLABS AT MAX 4'-0" OVER-DIG ADJAC	ENT TO FOUNDATION WALL:		MAINTAIN ADEQUATE PROTECTION O     EXPOSED CONCRETE ELEMENT TO P
		FOR A MAXIMUM DIMENSION OF 4'-0" HORIZONTALLY N WALL, THE STANDARD OVER-DIG DETAIL MAY BE USED IN TURAL SLAB.	C.8	• VERTICAL REINFORCEMENT FOR CON
	DETAIL.	IDATION WALL/STANDARD SLAB AT MAX 4'-0" OVER-DIG"		<ul> <li>REINFORCEMENT SPACED 24" O.C. M.</li> <li>WALLS SHALL HAVE VERTICAL REINFORMATICS</li> <li>8" WALL – MINIMUM 2" FROM T</li> </ul>
C.3	• A 6 MILLIMETER POLYETHYLENE OR	APPROVED VAPOR RETARDER WITH JOINTS LAPPED A		<ul> <li>10" WALL – MINIMUM 6-3/4" FR</li> <li>EXTEND BARS TO WITHIN 8" C</li> </ul>
	MINIMUM OF 6" IS REQUIRED BETWEI	EN THE CONCRETE FLOOR SLAB AND THE BASE COURSE QUIRED FOR GARAGE SLABS OR DETACHED UNHEATED		HORIZONTAL REINFORCEMENT:
	ACCESSORY BUILDINGS).			<ul> <li>ONE BAR SHALL BE PLACED V</li> <li>OTHER BARS SHALL BE EQUA</li> </ul>
C.4	FOOTINGS			HORIZONTAL BARS SHOULD E     (INTERIOR); AND BEHIND THE
	THE BOTTOM OF ALL FOOTINGS SHA     PROTECTION (IRC R403.1.4).	LL EXTEND NOT LESS THAN 36" BELOW GRADE FOR FROST		SUPPLEMENTAL REINFORCEN     DEGREE ANGLE AT CORNERS
		ESSORY STRUCTURES WITH AN AREA OF 600 SQ. FT. OR OR LESS SHALL EXTEND BELOW GRADE A MINIMUM OF		<ul> <li>THE EDGE OF INSIDE CORNEF</li> <li>AT MASONRY LEDGES THE MINIMUM EXCEED A DEPTH OF MORE THAN 24"</li> </ul>
	CONTINUOUS SOLID MASONRY OR C	COLUMNS AND PIERS SHALL BE SUPPORTED ON ONCRETE FOOTINGS, OR APPROVED STRUCTURAL IPOSED LOADS AND SHALL BE SIZED AND REINFORCED IN		<ul> <li>LESS THAN 4". PROVIDE #4 BARS AT M</li> <li>STRAIGHT WALLS MORE THAN 5'-0" TA WITH EXTERIOR BRACED RETURN WA</li> </ul>
		LS SHALL BE CONTINUOUS AROUND THE STRUCTURE		THE SHORTEST DIMENSION BETWEEN SECTION). MINIMUM SPECIFIED CO
		WEEN FOOTINGS AT DIFFERENT LEVELS ENCLOSING PPROVED SOLID JUMPS OR SUPPORT SYSTEMS TO RUCTURE.		P TYPE OR LOCATION OF CONCRETE
	SEE "TYPICAL FOOTING/FOUNDATION	I WALLS/STANDARD SLAB AT MAXIMUM 4" OVER-DIG" AND		CONSTRUCTION BASEMENT WALLS, FOUNDATIONS AND
C.5	"FOOTING JUMP" DETAILS.			OTHER CONCRETE NOT EXPOSED TO THE WEATHER
0.9		OULD CONFORM TO ACI 318-14 (OR ACI 332) OR 2018 IRC.		BASEMENT SLABS AND INTERIOR SLABS ON
		MPRESSIVE STRENGTH SHALL BE AS SPECIFIED IN IRC		GRADE, EXCEPT GARAGE FLOOR SLABS BASEMENT WALLS, FOUNDATION WALLS, EXT WALLS AND OTHER VERTICAL CONCRETE WC EXPOSED TO THE WEATHER

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

SUSPENDED SLABS

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

AN EXISTING SURFACE SHOULD BE ROUGHENED TO A MINIMUM

### AS FOLLOWS:

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

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

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

OSING BELOW GRADE SPACE SHALL BE DAMPPROOFED. THE D FROM THE EDGE OF THE FOOTING TO THE FINISHED GRADE.

## IENT STEEL

ONFORM TO ASTM A615, GRADE 40.

IRE FABRIC SHALL CONFORM TO ASTM 185.

VINGS SHALL BE STANDARD PER ACI 318-14.

ENGTH = 12X BAR DIA. BAR DIA.

#### I FOUNDATIONS TO WALL SHALL BE PROVIDED TO MATCH DRCING AND EXTENDED TO 3" CLEAR FROM BOTTOM OF

CH SLAB REINFORCING FROM SLAB TO WALLS OR SLAB TO

PERIMETER OF ALL SUSPENDED SLABS.

ARY IN REINFORCEMENT, THE LENGTH OF LAP SPLICE SHALL BE R608.5.4(1) AND FIGURE R608.5.4(1). THE MAXIMUM GAP LLEL BARS AT A LAP SPLICE SHALL NOT EXCEED THE SMALLER \_AP LENGTH AND 6 INCHES (152MM) [SEE FIGURE R608.5.4.(1)].

MENT SHALL BE PLACED WITHIN 12" FROM THE TOP OF THE

MENT SHALL TERMINATE AT THE END OF THE WALL WITH A

#### THREE CONSECUTIVE DAYS WHERE THE AVERAGE DAILY 40 DEGREES FAHRENHEIT AND NOT ABOVE 50 DEGREES HALF OF ANY ONE OF THOSE THREE DAYS.

ORK SHALL CONFORM TO ACI 306.

IT REQUIRED FOR PROTECTION SHALL BE AVAILABLE AT THE VEATHER CONCRETING BEGINS.

OVIDED BY THE SUPPLIER SHALL AT A MINIMUM REACH THE OMPRESSIVE STRENGTH IN MINIMUM 72 HOURS OR 2000 PSI -

ETE AT PLACEMENT SHALL BE A MINIMUM OF 55 DEGREES

PERATURE AT THE TIME OF MIXING SHALL NOT BE BELOW 65

IST BE REMOVED PRIOR TO PLACING CONCRETE.

VIDE ADEQUATE PROTECTION FOR CONCRETE AGAINST CRETE TEMPERATURE OF 55 DEGREES FAHRENHEIT FOR A 72 TE PLACEMENT. THIS MAY BE ACHIEVED WITH THE USE OF THE USE OF TEMPORARY HEATERS.

E TIME OF PLACEMENT OF SLAB OR FOOTINGS SHALL NOT BE NHEIT.

ERS MAY BE REMOVED AFTER 72 HOURS .

TION OF SUB GRADE AND ADEQUATE DRAINAGE AWAY FROM TO PREVENT FREEZING.

#### R CONCRETE WALLS THAT ARE NOT FULL HEIGHT AND FOR .C. MAY BE PLACED IN THE MIDDLE OF THE WALL. OTHER REINFORCEMENT PLACED AS FOLLOWS:

ROM TENSION FACE 3/4" FROM THE OUTSIDE FACE

IN 8" OF THE TOP OF THE WALL

CED WITHIN 12" OF THE TOP OF THE WALL EQUALLY SPACED WITH SPACING NOT TO EXCEED 24" O.C. ULD BE AS CLOSE TO THE TENSION FACE AS POSSIBLE

THE VERTICAL REINFORCEMENT (I.E. 2" FROM INSIDE FACE) DRCEMENT AT CORNERS – PLACE 1 #4 REBAR 48" LONG AT 45 RNERS OF OPENINGS. PLACE REINFORCEMENT WITHIN 6" OF RNERS

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

5'-0" TALL AND MORE THAN 16-0" LONG SHALL BE PROVIDED RN WALLS. WALL LENGTH SHALL BE MEASURED USING INSIDE TWEEN INTERSECTING WALLS (SEE TYPICAL DEAD MAN

#### ED COMPRESSIVE STRENGTH OF CONCRETE PER TABLE R402.2

I EN IADE	
RETE	MINIMUM SPECIFIED COMPRESSIVE STRENGTH (f'c) FOR SEVER WEATHERING POTENTIAL
	2,500
S ON S	2,500
S, EXTERIOR TE WORK	3,000
S GE	3,500
	4,000

## FRAMING/STRUCTURE

D.1

FRAN	AING NOTES
•	ALL NON TREATED LUMBER SIZES ARE DOUGLAS FIR-LARCH #2 OR SOUTHERN YELLOW PINE #1 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 OR SOUTHERN YELLOW PINE #1 (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).
  - SOUTHERN YELLOW PINE #1 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				
	F₀ (PSI)	E (PSI)	F <sub>v</sub> (PSI)	
LVL	3100	1.9X10 <sup>6</sup>	285	

1.8X10<sup>6</sup>

#### D.2 STRUCTURAL STEEL

•

STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE OF STEEL CONSTRUCTION.

2400

- 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

GLU-LAM

ANCHOR RODS:

ASTM A500 ( $F_Y = 46$  KSI) ASTM A36 (F<sub>Y</sub> = 36 KSI) ASTM A992 (F<sub>Y</sub> = 50 KSI) ASTM A53 GR.B ( $F_Y$  = 35 KSI) ASTM F1554 (F<sub>Y</sub> = 36 KSI)

230

- 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.
- 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

#### <u>GARAGES</u>

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).

#### <u>ROOF</u>

Н.

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".

I.2 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 FOLLOWING 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.

CONCCONCRETENTSNOT TO SCALECMUCONCRETE MASONRY UNITOCON CENTERCXNCONNECTIONPEDPEDESTALCONTCONTINUOUSPCFPOUNDS PER CUBIC FOOTDBLDOUBLEPLFPOUNDS PER SQUARE FOCDIADIAMETERPSFPOUNDS PER SQUARE FOCEWEACH WAYPSIPOUNDS PER SQURE INCHEFFEFFECTIVEPTPRESSURE TREATEDELELEVATIONRAFRAFTERECEND CONDITIONSIPSTRUCTURAL INSULATEDEORENGINEER OF RECORDSTLSTEELEQEQUALTYPTYPICALEQUIV EQUIVALENTUNOUNI ESS NOTED OTHERWING	OT DOT H PANEL
EQ EQUAL • TYP TYPICAL EQUIV EQUIVALENT • UNO UNLESS NOTED OTHERWI EFP EQUIVALENT FLUID PRESSURE • VERT VERTICAL	ISE





everstead 3741 NE TROON DRIVE, SUITE 200 LEE'S SUMMIT, MO 64064 everstead.com (816)399-4901

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REVISIONS

# STRUCTURAL **GENERAL NOTES**

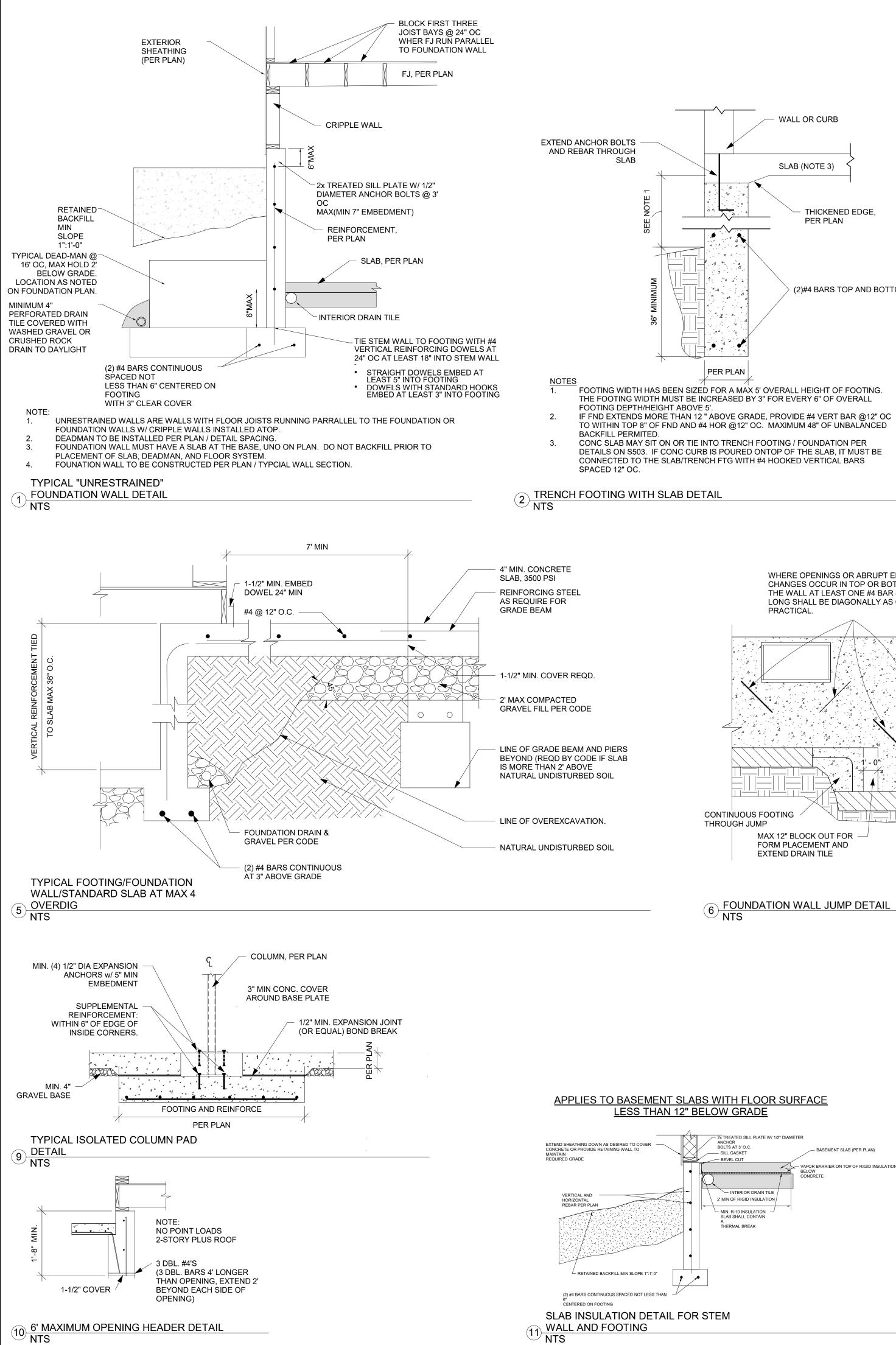
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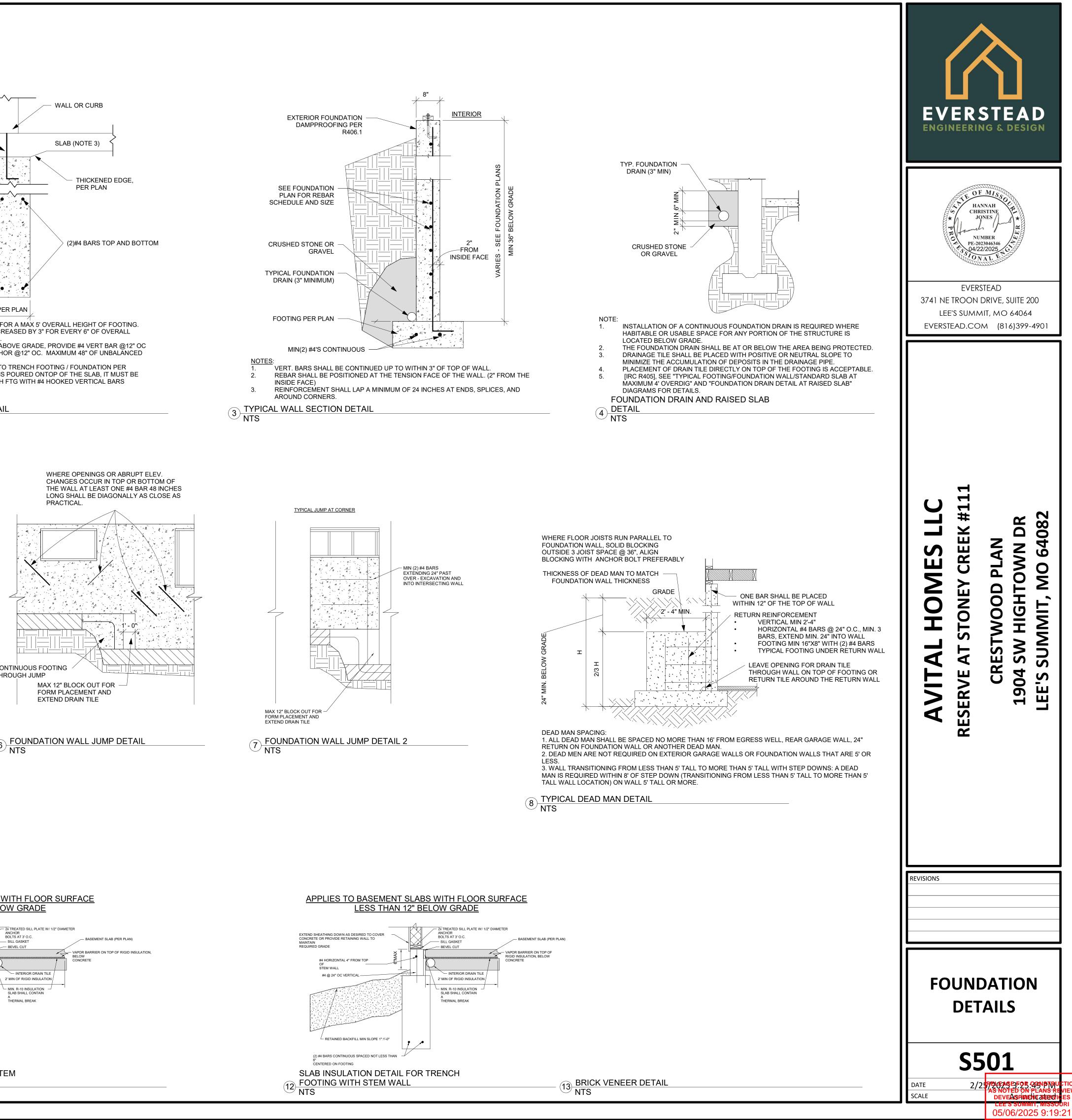
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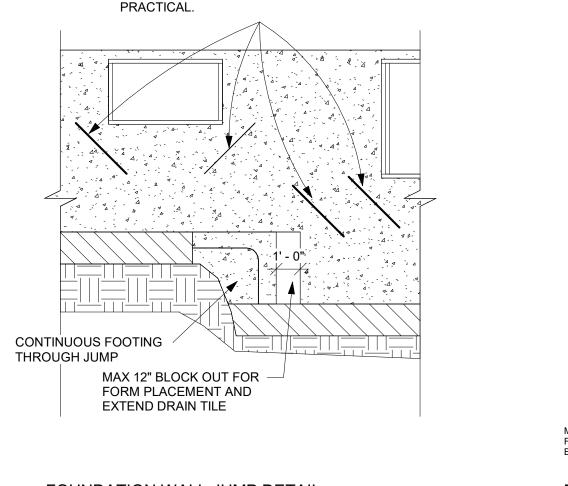
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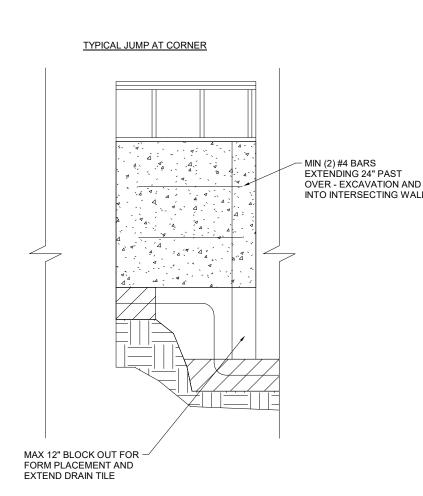
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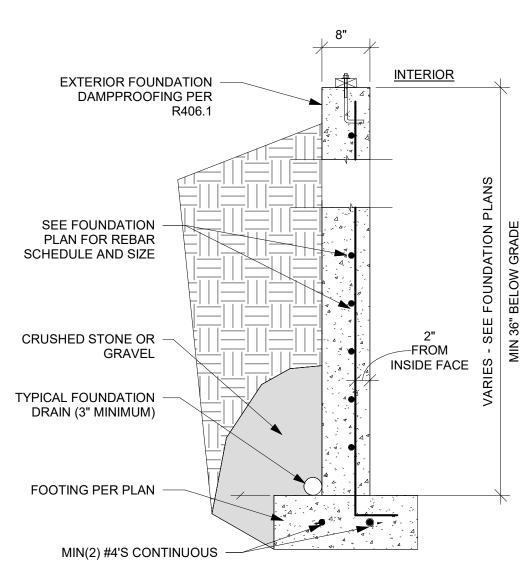
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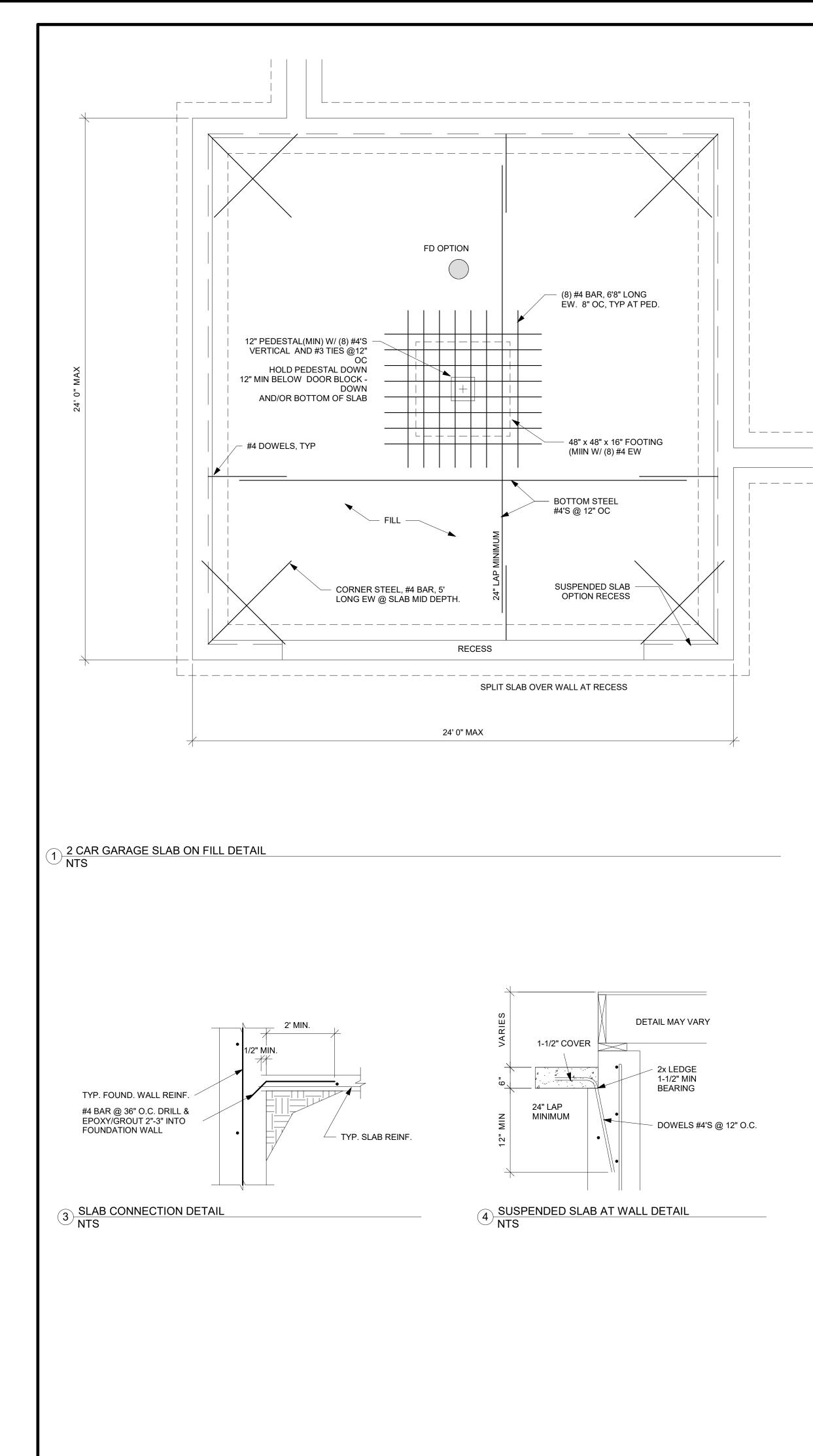


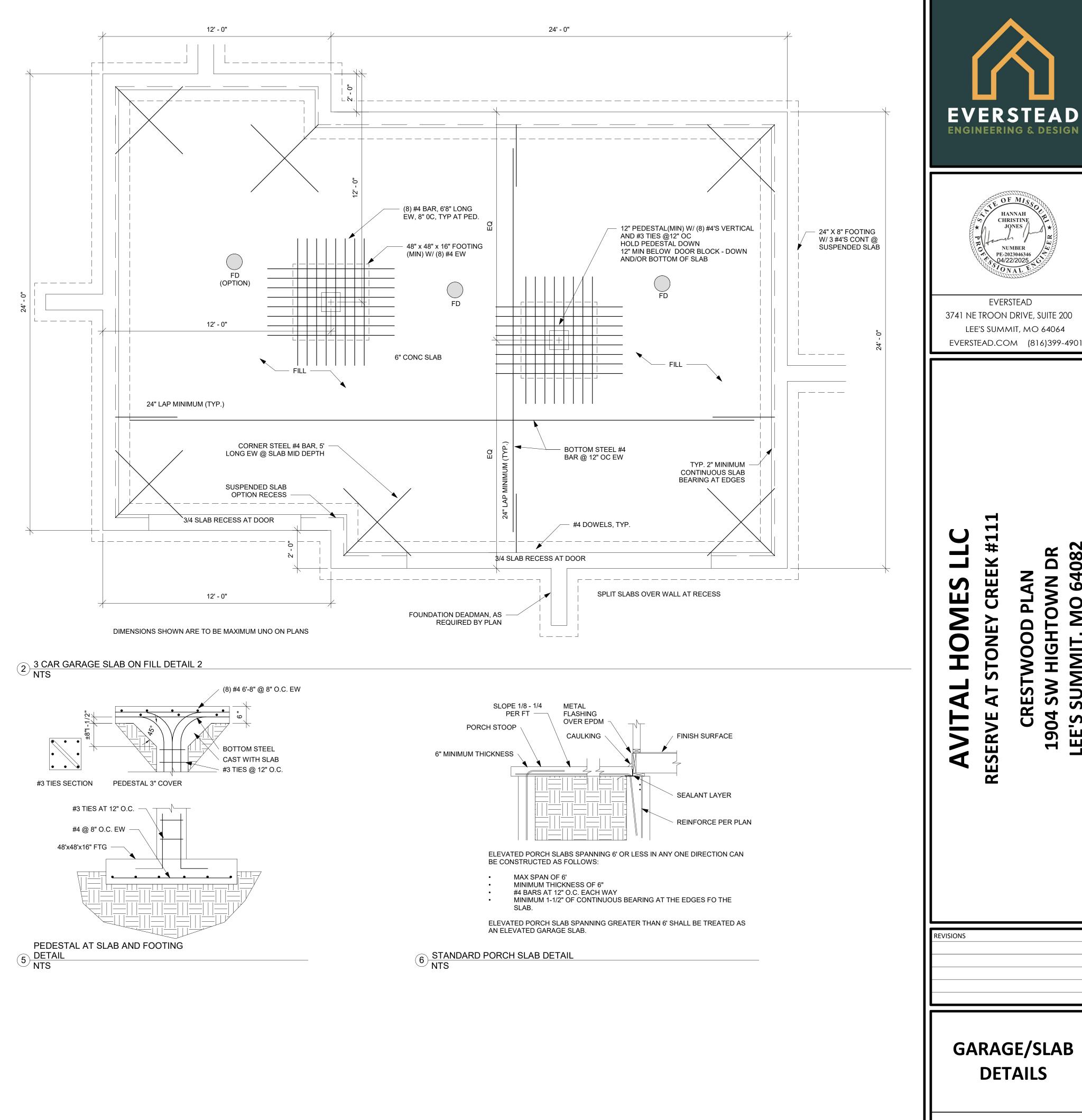


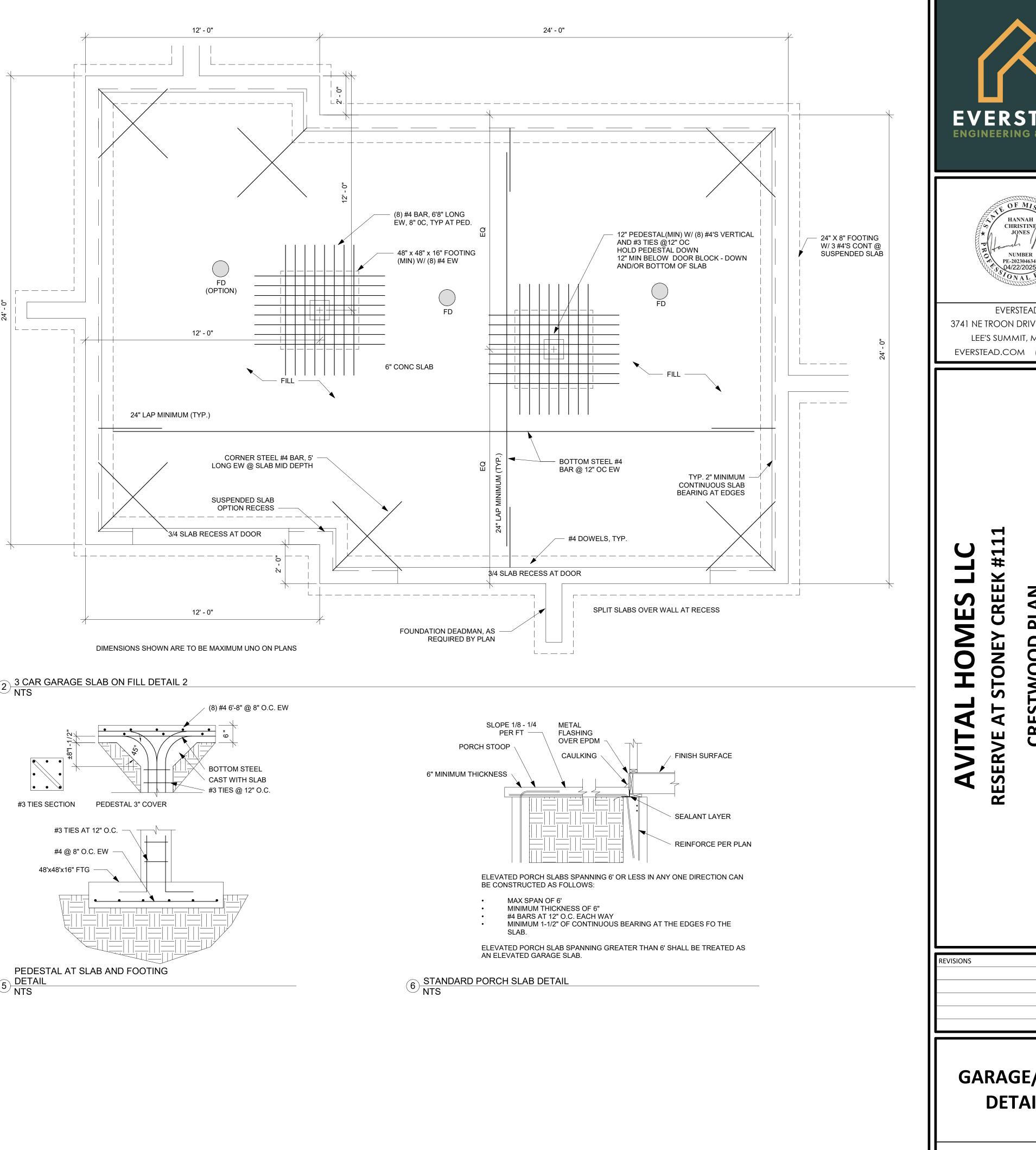












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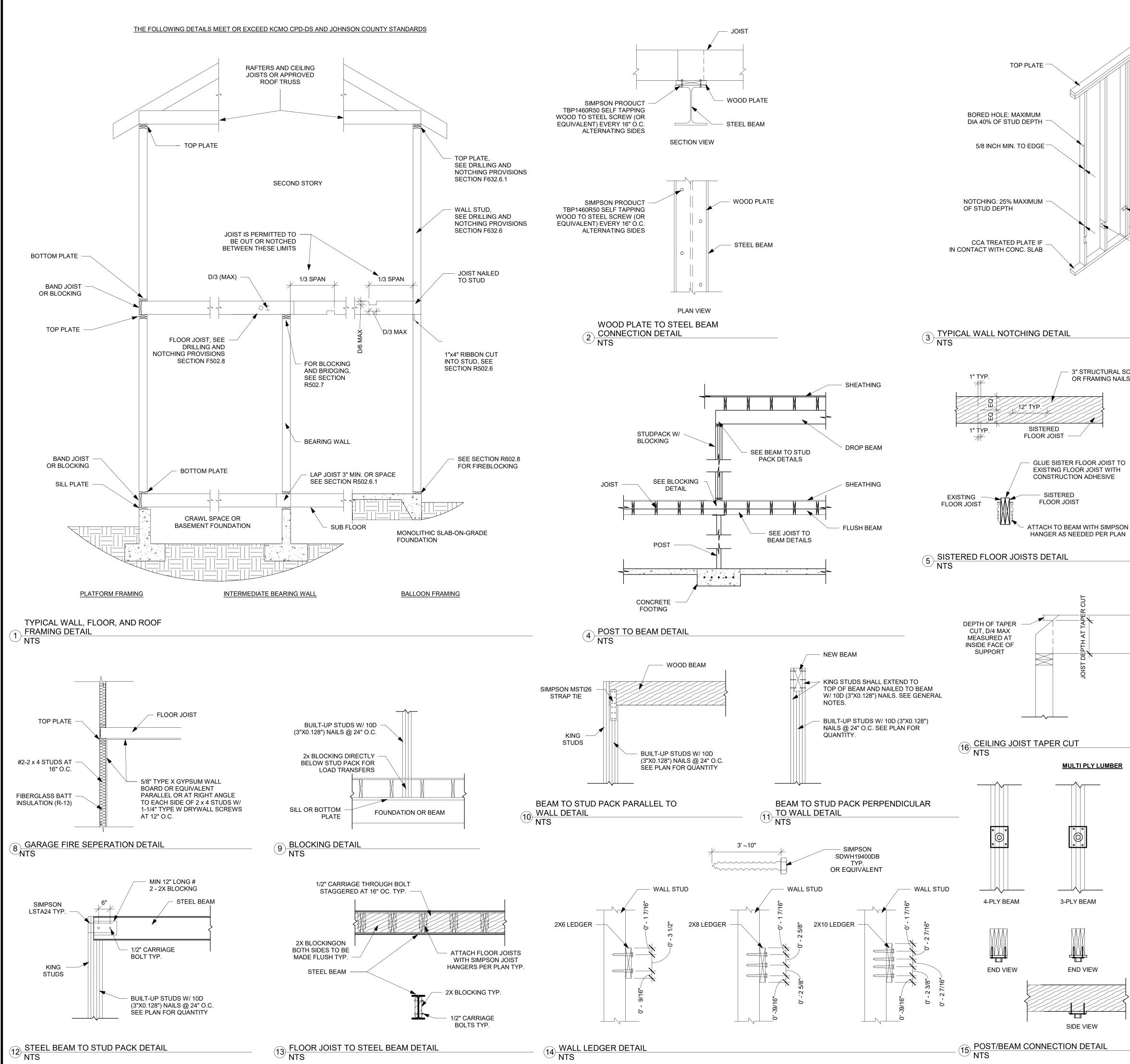
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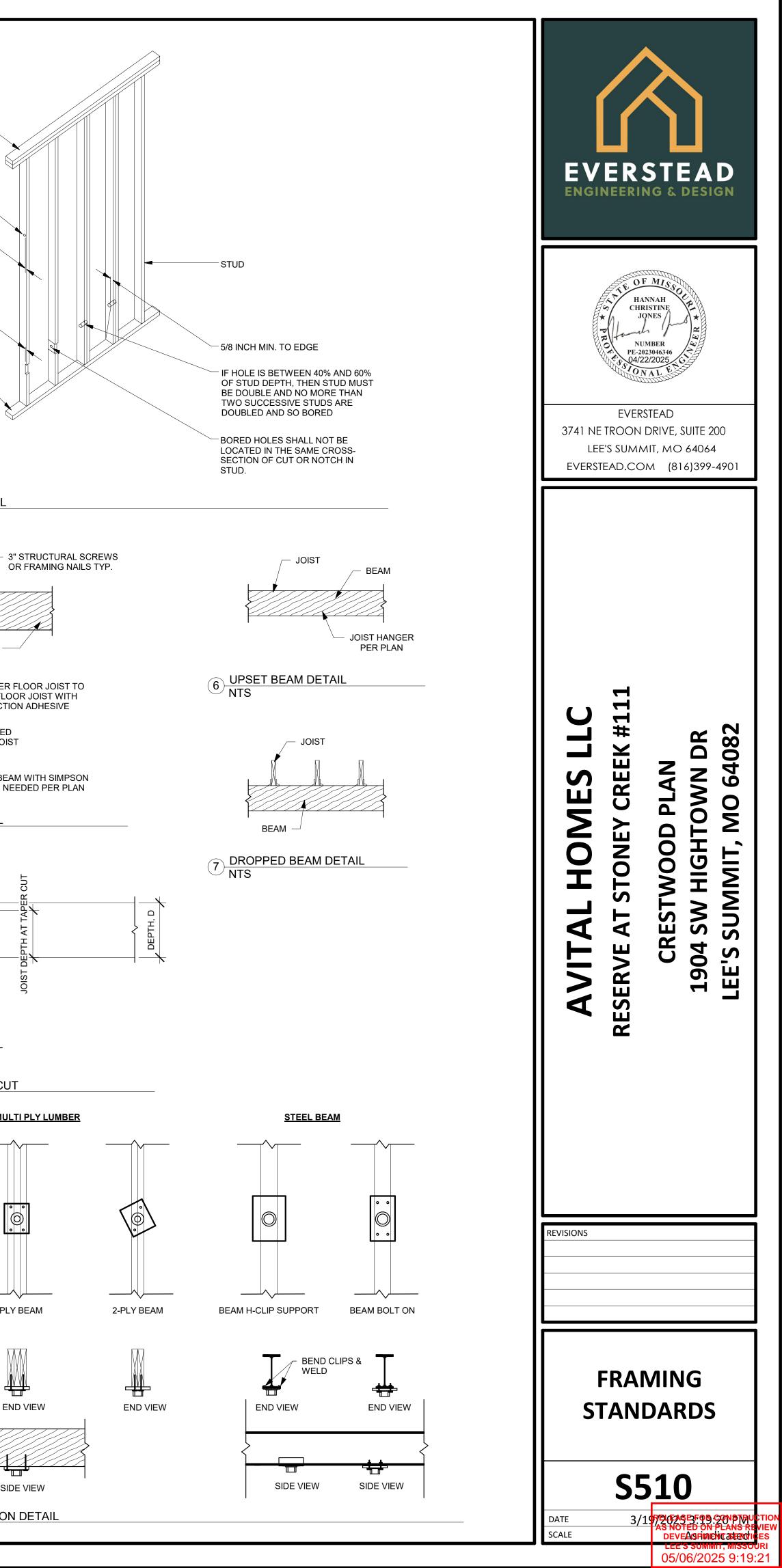
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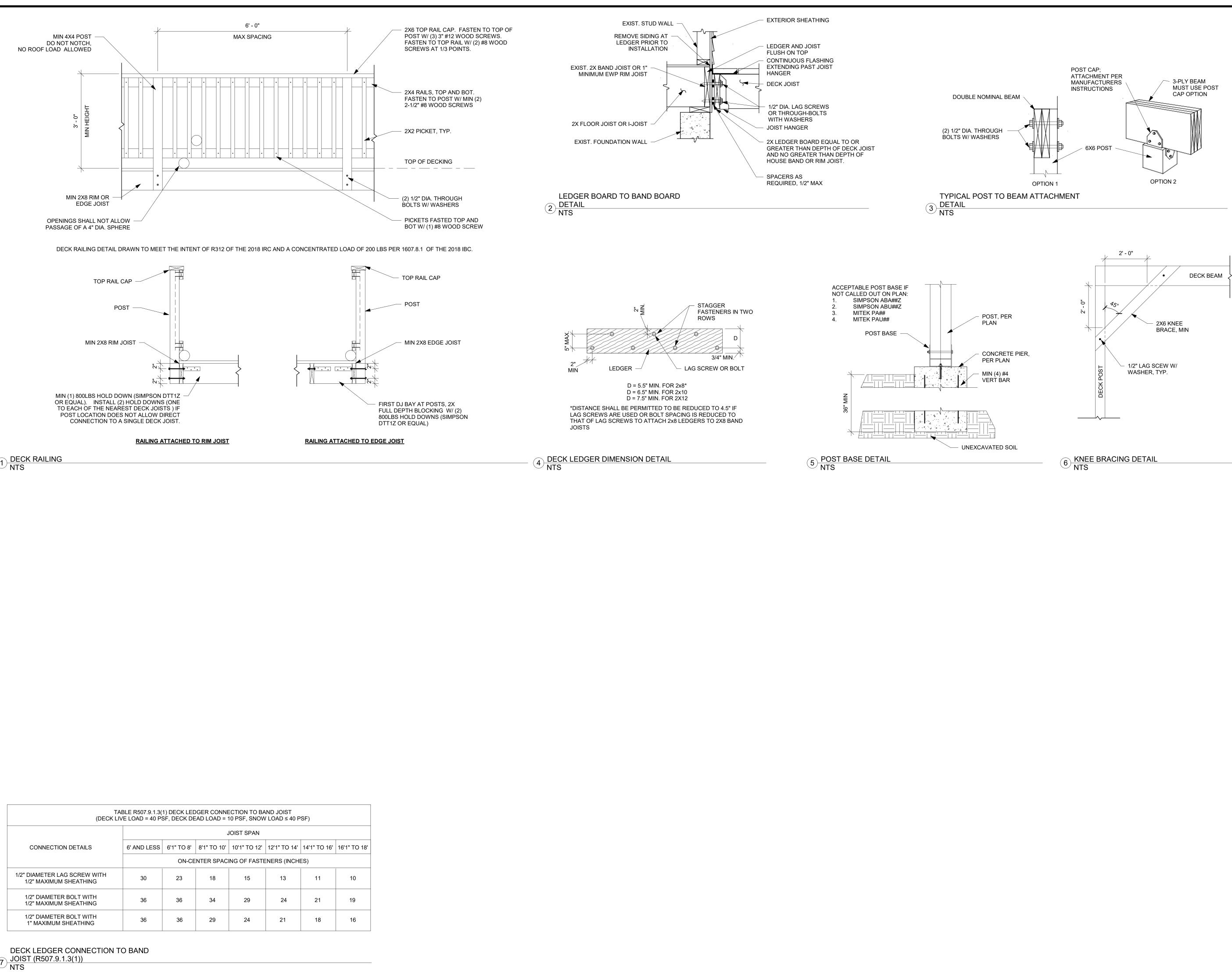
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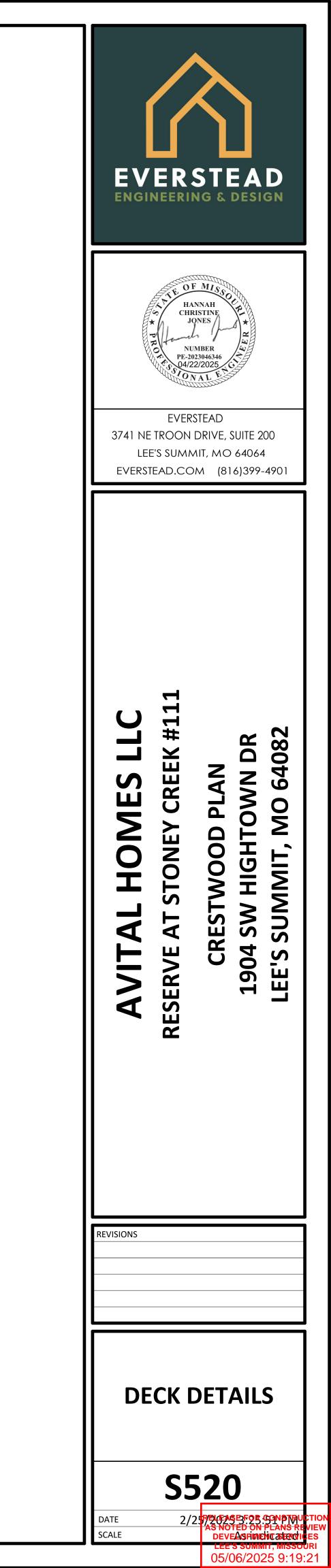
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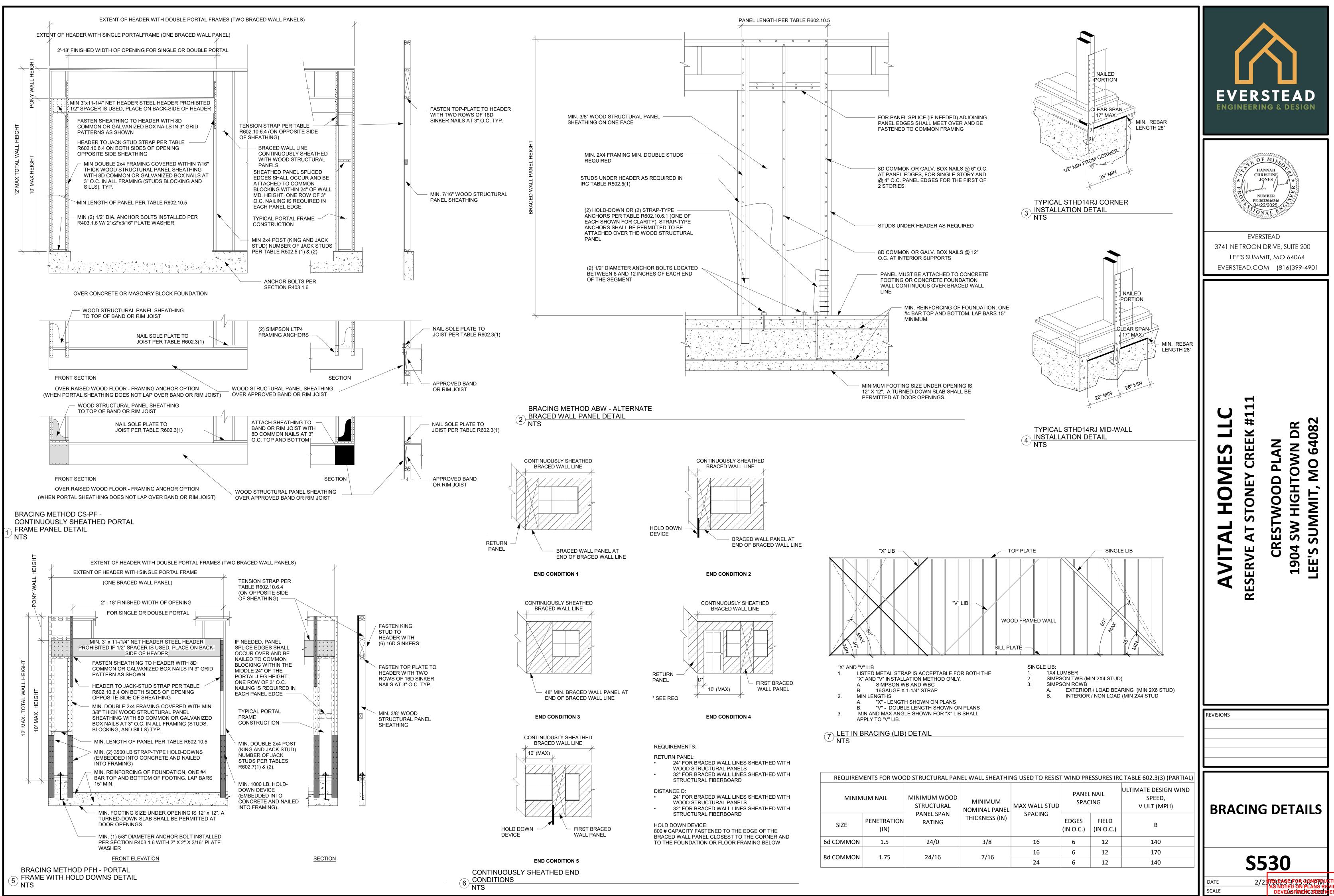


- 15 POST/BEAM CONNECTION DETAIL NTS





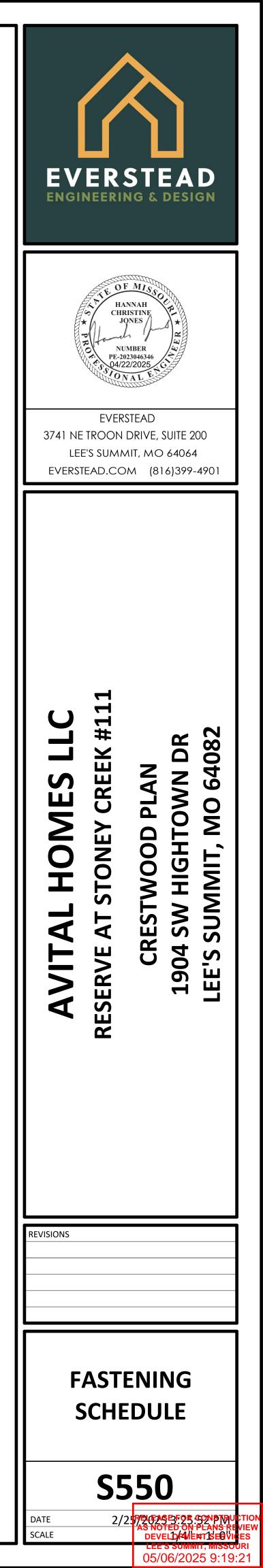




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	MINIMUM	CONNECTION CRITERIA		
METHODS, MATERIAL	THICKNESS	FASTENERS	SPACING	
VSP - WOOD STRUCTURAL PANEL AND CS-WSP CONTINUOUSLY SHEATHED	3/8" PANEL W/ MINIMUM 24/0 STRUCTURAL PANEL SPAN RATING	6d COMMON NAILS (2.0" x .113") W/ MINIMUM 1.5" PENETRATION	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 STU 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 STI 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 BRACI	
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)	LOCATIONS: 7 EDGES (INCLUDING TC AND BOTTOM PLATES) 7" FIEL	
		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	SPACING AND LOCATION OF FASTENERS
	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	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	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")	NAIL EACH LAYER AS FOLLOWS: 32 O.C AT TOP END AND BOTTOM ANE 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
	16d COMMON (3-1/2"x0.162")	24" O.C. FACE NAIL	LOWIDER LATERS	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	
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	AT EACH JOIST OR RAFTER, FACE NAIL
BUILT-UP HEADER, TWO PIECES	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	EACH END, TOE NAIL
WITH 1/2" SPACER	16d BOX (3-1/2"x0.135")	12" O.C. EACH EDGE FACE NAIL	JOIST	2-3"x0.131" NAILS	EACH END, 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	P	ELS, SUBFLOOR, ROOF AND INTERIOR WALL SH PARTICLEBOARD WALL SHEATHING TO FRAMIN OOD STRUCTURAL PANEL EXTERIOR WALL SH	G
	10d BOX (3"x0.128") OR 3"x0.131" NAIL	12" O.C. FACE NAIL	0/01 4/01	6d COMMON (2"x0.113") NAIL (SUBFLOOR, WALL) OR	
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"	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 3"x0.131" NAIL	12" O.C. FACE NAIL			
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST, OR BLOCKING (AT	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	
	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
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 FRAMING
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	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
EACH BEARING	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	FACE NAIL	1-1/8" - 1-1/4"	10d COMMON (3"x0.148") NAIL OR 8d DEFORMED (2-1/2"x0.120") NAIL	6 12
L	1				



#### **GENERAL NOTES**

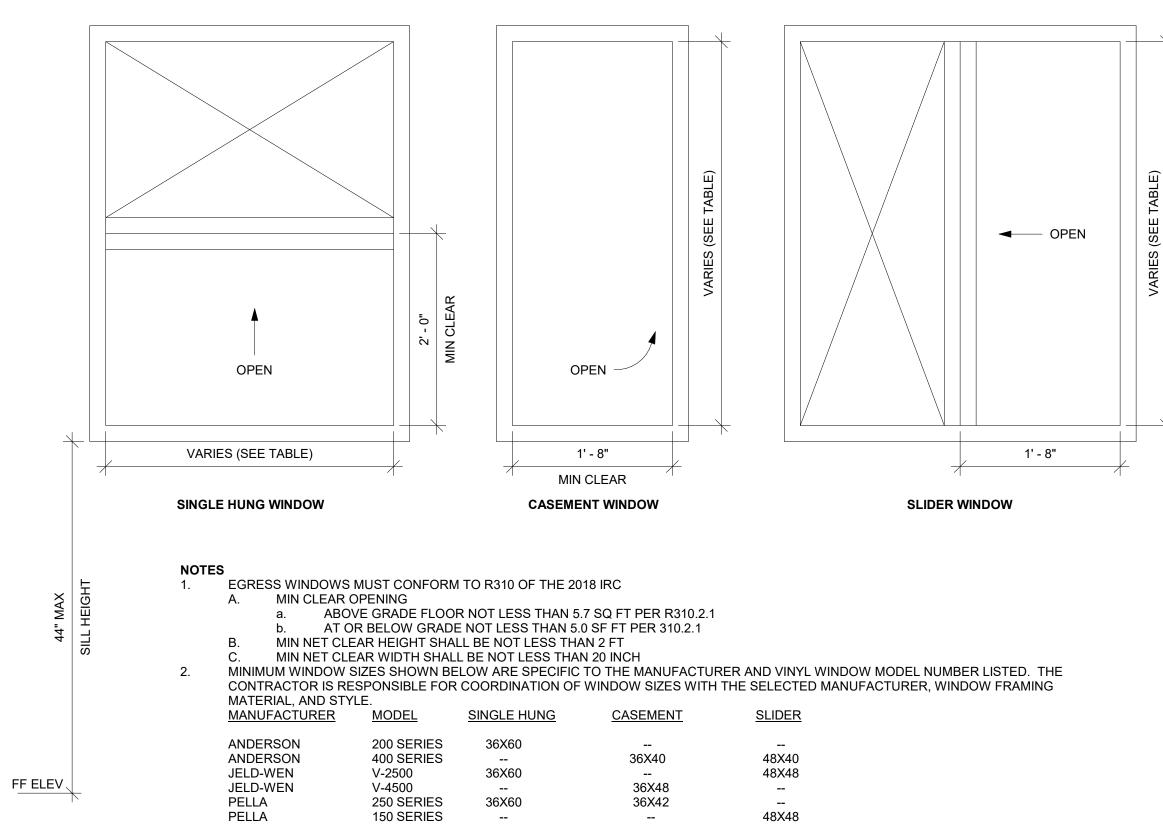
Α.

- 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 OR SOUTHERN YELLOW PINE #1. LVL BEAMS SHALL HAVE MINIMUM 2.0E AND 3100Fb
- STEEL POST COLUMNS SHALL BE MINIMUM SCHEDULE 40, Fy=35KSI. 10. MINIMUM HEADERS 11.

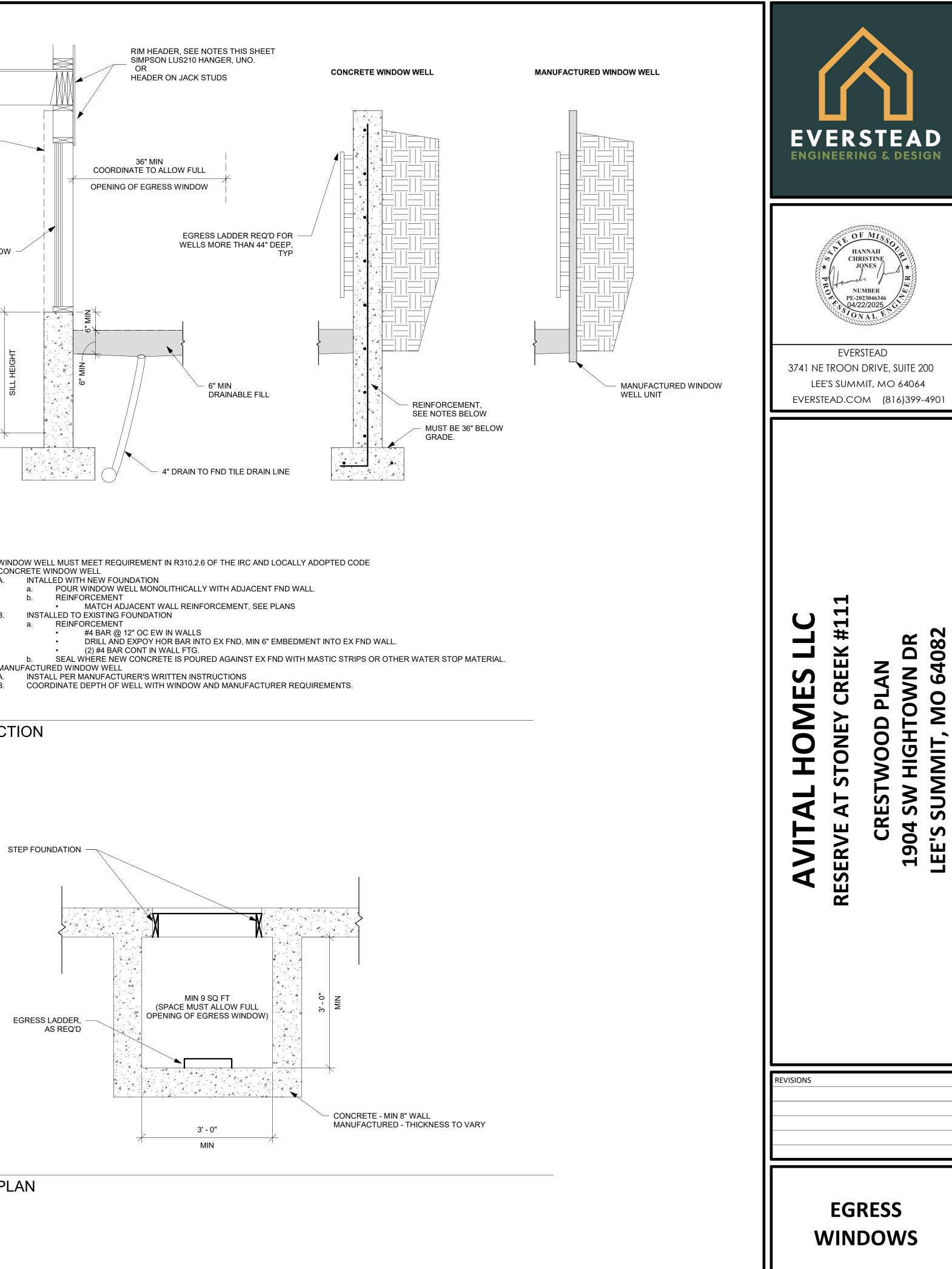
WINDOW EGRESS (NTS)

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)

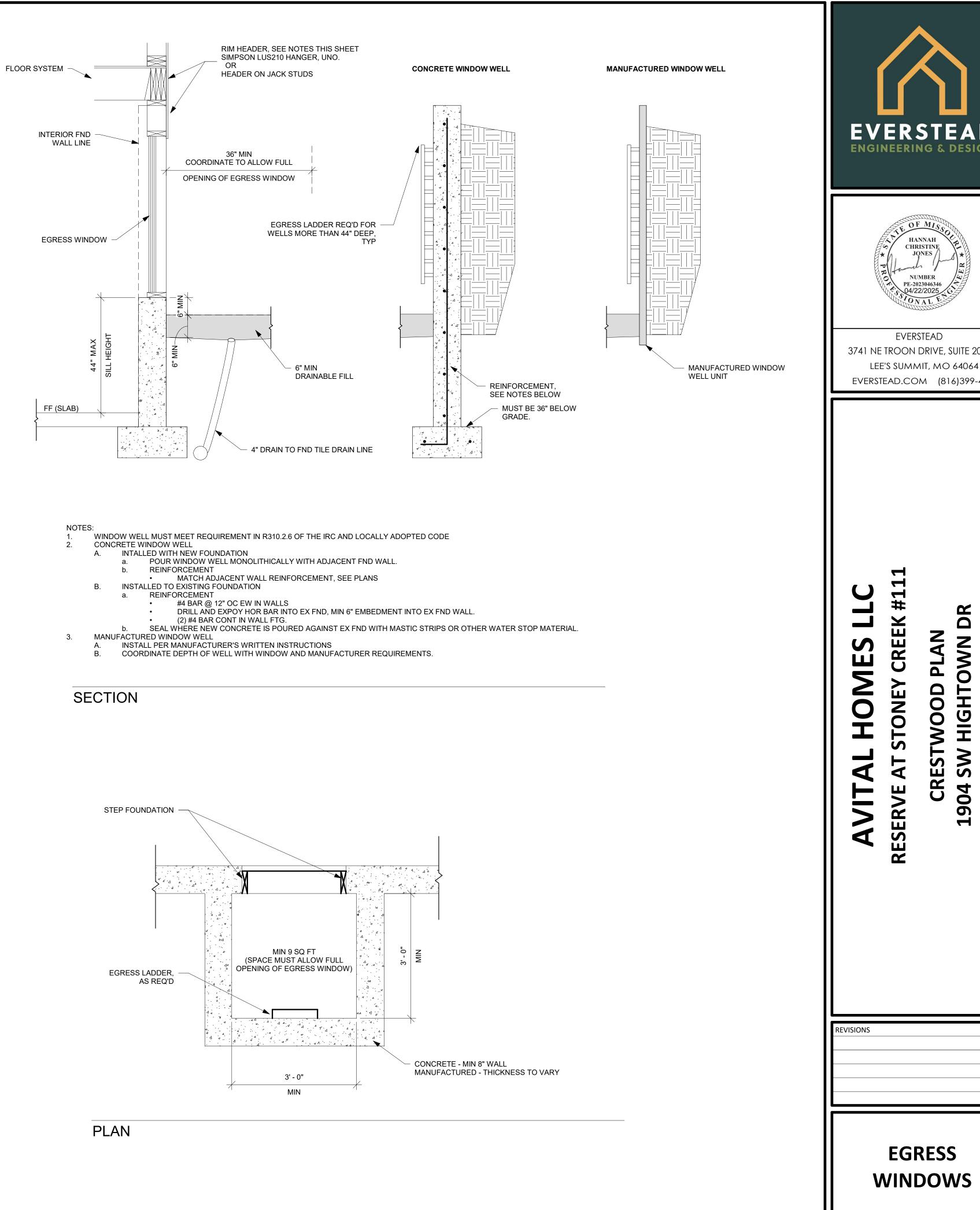
FLIN TADLE NOUZ. (1)		
HEADER	MAX CLEAR SPAN	MIN JACK STUDS
(2) 2X10	4'-0"	2
(3) 2X10	5'-1"	2
(2) 2X12	4'-9"	3
(3) 2X12	5'-11"	2
(2) 1.75X9.25 LVL	7'-6"	3
(2) 1.75X11.25 LVL	9'-3"	3



# WINDOW WELL FOR EGRESS (NTS)



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



**S560** 2/2: 7267555725 G3NPTRU AS NOTED ON PLANS RE DEVEASHINENIC STEROIL

DATE SCALE

LEE S SUMM 05/06/2025 9:19:22