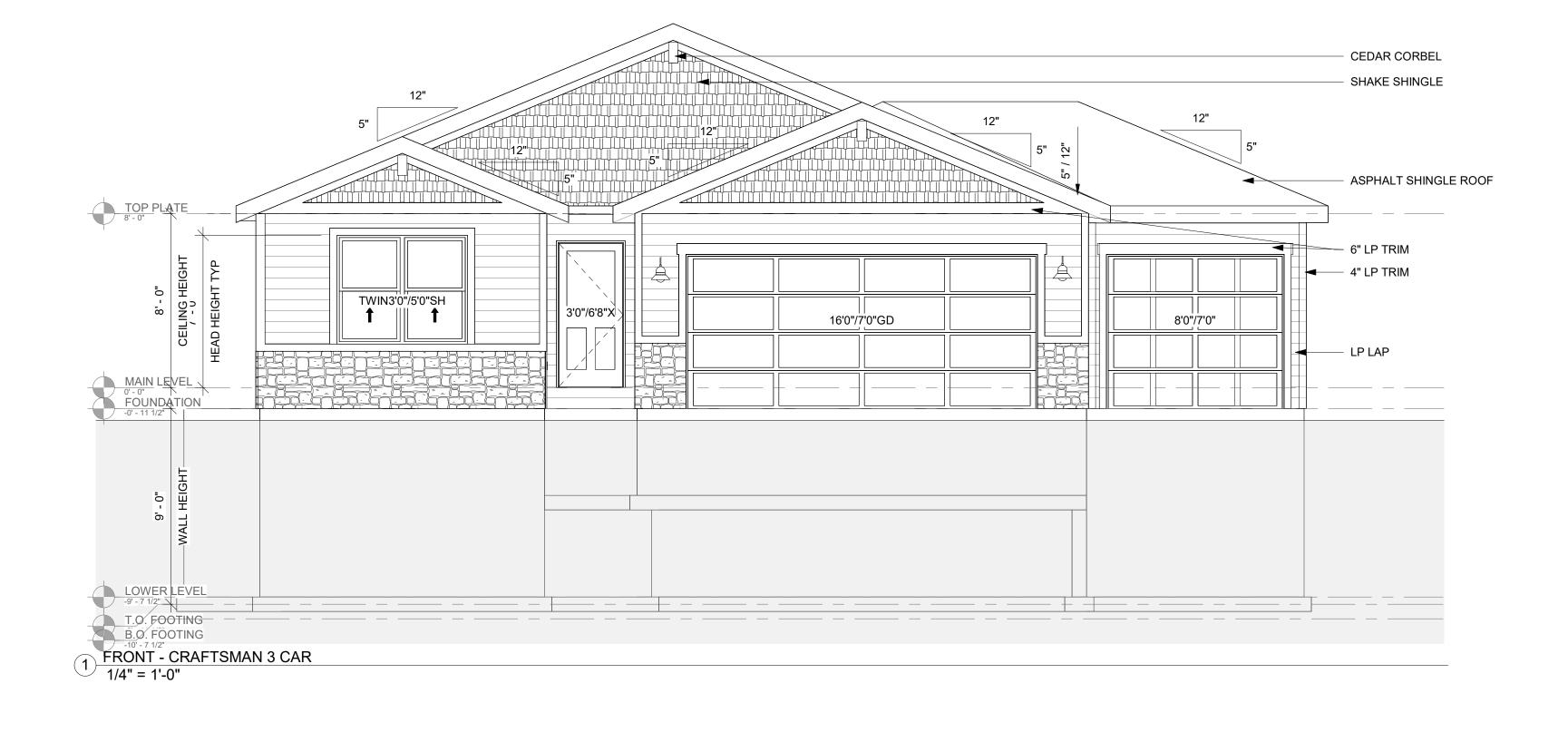


12"



12"

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

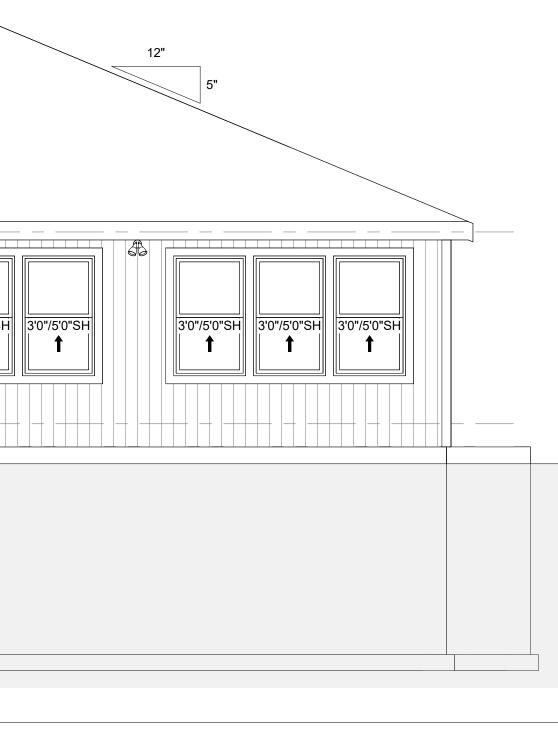




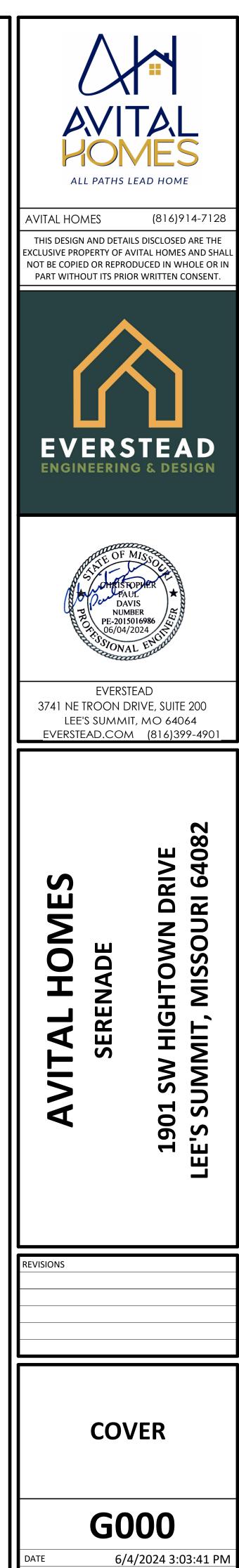
	TABLE OF CONTENTS		
SHEET NUMBER	SHEET NAME		
G000	COVER		
G104	LIGHTING/OUTLET PLAN		
G105	ROOF PLAN		
G200	ELEVATIONS		
S000	STRUCTURAL GENERAL NOTES		
S501	FOUNDATION DETAILS		
S503	GARAGE/SLAB DETAILS		
S510	FRAMING STANDARDS		
S520	DECK DETAILS		
S530	BRACING DETAILS		
S550	FASTENING SCHEDULE		
S560	EGRESS WINDOWS		

BUILDING SQUARE FOOTAGE (SQFT)	
MAIN LEVEL CONDITIONED SPACE TOTAL	1420
FINISHED LOWER LEVEL - APRX	769
CONDITIONED SPACE TOTAL (SQ FT)	2189
LOWER LEVEL UNCONDITIONED SPACE TOTAL	596
GARAGE TOTAL	676
PORCH/PATIO TOTAL	173

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.

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.

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.



DATE SCALE

As indicated

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 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 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	8"	#4 BARS @36" O.C.		
8'-0" WALL		#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.

ISOLATED FOOTINGS AND COLUMN PADS					
SYM	PIER PAD SIZE	DEPTH	RE	MINIMUM EINFORCEMENT GRADE 40 KSI STEEL	SCHEDULE 40 STEEL COLUMN MIN FY = 35 KS
Â	30"x30"	1'-0"		(5) #4 BAR E.W.	3" DIAMETER
B	36"x36"	1'-0"		(6) #4 BAR E.W.	3" DIAMETER
Ċ	42"x42"	1'-2"		(7) #4 BAR E.W.	3" DIAMETER
	48"x48"	1'-4"		(8) #4 BAR E.W.	3" DIAMETER
E	54"x54"	1'-4"		(9) #4 BAR E.W.	3.5" DIAMETER
F	60"x60"	1'-6"		(10) #4 BAR E.W.	3.5" DIAMETER
ISOLATED FOOTINGS AND COLUMN PADS					
SYM	PIER DIAMETE	R DEP	тн	MINIMUM REINFORCE 40 KSI STE	
G	12"	3'-0)"	(4) VERTICA	AL #4
^					

H	16"	3'-0"	(4) VERTICAL #4
	18"	3'-0"	(4) VERTICAL #4
ĸ	24"	3'-0"	(4) VERTICAL #4
	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.

WALL BRACING NOTES:

- WALL BRACING IS DESIGNED IN ACCORDANCE WITH IRC R602.10
- BRACING METHODS SHALL BE PER PLAN AND SHALL BE CONSTRUCTED IN CONFORMANCE WITH 2018 IRC R602.10.4 AND R602.10.5 FOR METHOD CS-WSP STRUCTURAL PANEL SHEATHING SHALL BE INSTALLED ON
- ALL SHEATHABLE SURFACES ON ONE SIDE OF THE BRACED WALL LINE INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS. END CONDITIONS SHALL MEET THE REQUIREMENTS OF R602.10.7 AND DETAIL 9-S400. ALL HORIZONTAL PANEL JOINTS SHALL OCCUR OVER AND BE
- 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

RELEASE FOR

AS NOTED FO

DEVELOF

LEE'S

06/10/2024

TRUCTION

AN REVIEW

RVICES

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

BRACING PFH PER IRC R602.10.6.2

GENERAL PLAN NOTES

1.	ALL CONSTRUCTION SHALL CONFC
	RESIDENTIAL CODE OR ATTACHED
	APPLICABLE.
2.	ALL DIMENSIONS ARE FROM FACE
3.	MINIMUM DOUBLE JOIST UNDER IN
4.	CANTILEVERS, OVER BEAMS, AND I
5.	CEILING JOISTS SHALL BE 2x6 @ 16
6.	WALL CONSTRUCTION SHALL BE C
	LOADS IMPOSED ACCORDING TO IF
7.	EXTERIOR WALLS SHALL BE CONST
	602 & FIGURES R602.3(1) AND R602.
8.	ANY WOOD MEMBERS IN CONTACT
	THE FURRING THEY ARE ATTACHE
	MATERIAL.
9.	INTERIOR NON-LOAD BEARING WAI
	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 ISL

INTERIOR LOAD BEARING WALL

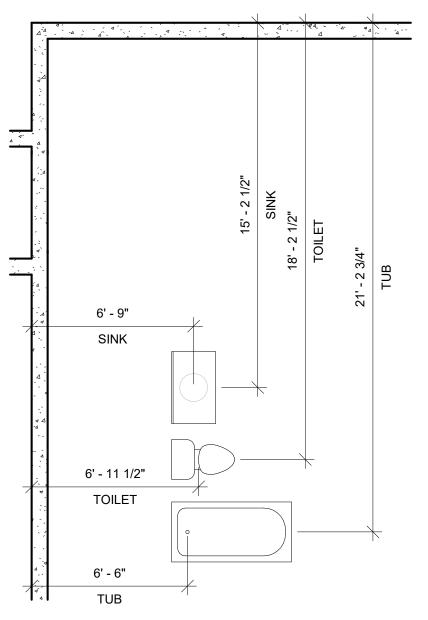
LOWER LEVEL DOOR SCH				
Count	Type Mark	L		
2	2'4"/6'8"	<va< td=""></va<>		
3	2'6"/6'8"	Bed		
1	3'0"/6'8"	Stor		
1	3'0"/6'8"CO	Cas		
1	5'0"/6'8"PATIO	Pati		

LOWER LEVEL WINDOW SCHEDULE					
Count	Count Type Mark Comm				
3	5'0"/4'0"SL	Window-Slidir	ng-Do		
WALL LEGEND - NEW CONSTRUCTION					
FOUNDATION WALL					
	NEW INTER	IOR PARTITION			
	NEW EXTER	RIOR 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
	OF 15" O.C. CLEARANCE ON E
	TOILET.
7.	ALL TOILETS TO HAVE 21" CLI
	FRONT OF TOILET.

- ALL SINKS TO HAVE 21" CLEARANCE AT FRONT 8. OF SINK.
- ALL SHOWERS TO HAVE 24" CLEARANCE AT OPENING.



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

ALL CONSTRUCTION SHALL CONFORM 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). 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

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

HEDULE Locations

aries> drooms orage/Mech sements tio Door

SCHEDULE

-Sliding-Double

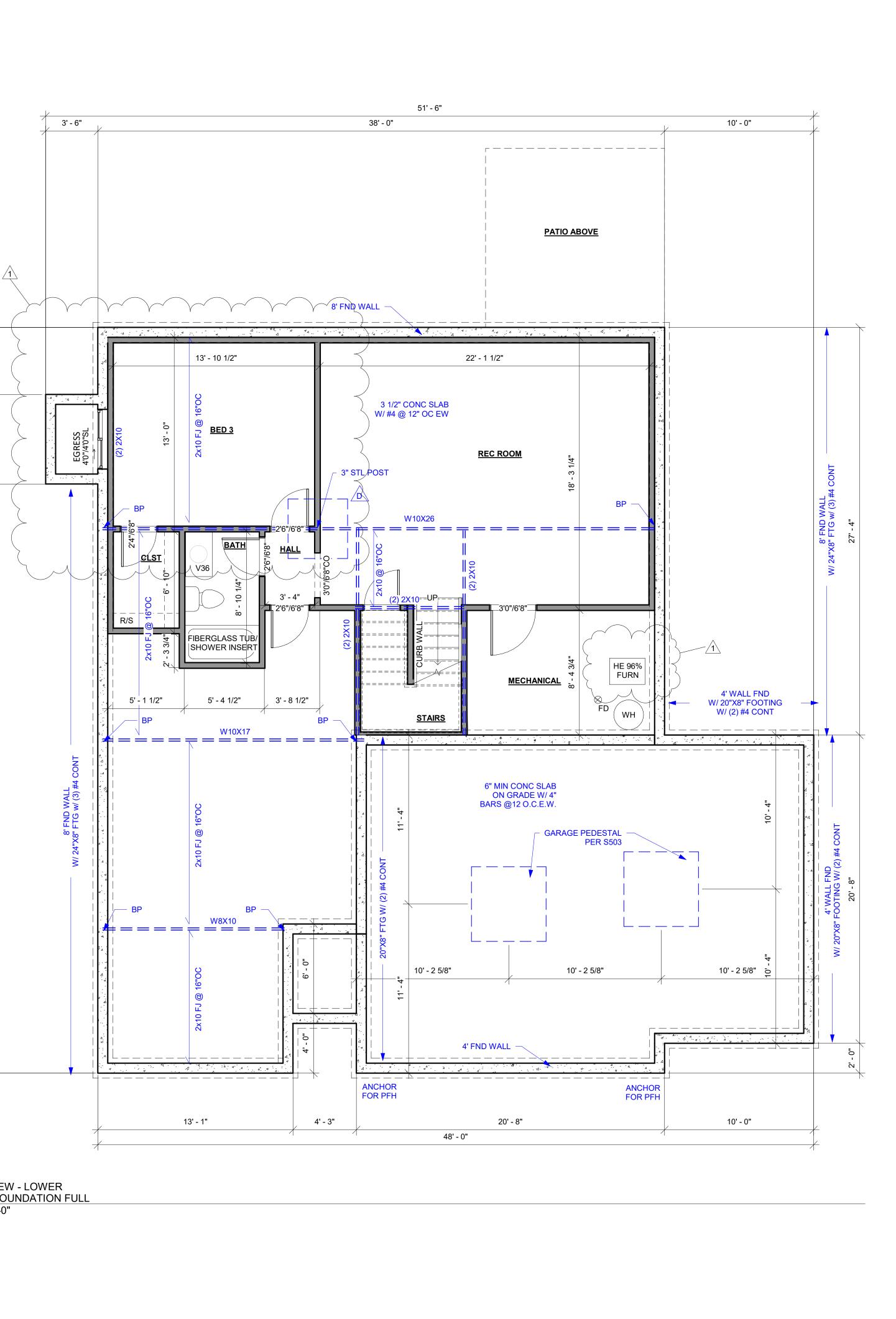
MEASURED TO THE RE MEASURED TO FR

E TAGGED IN FEET ICHES.

TO BE FIELD

ED WITH A MINIMUM EACH SIDE OF

LEARANCE AT



PLAN VIEW - LOWER <u>LEVEL/FOUNDATION FULL</u> 1/4" = 1'-0"



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. ALL HORIZONTAL PANEL JOINTS SHALL OCCUR OVER AND BE 4 NAILED TO COMMON FRAMING OR BLOCKING WITH AN
- APPROPRIATE PANEL EDGE-NAILING SCHEDULE IN ACCORDANCE WITH IRC R602.10.4.4 INTERIOR FINISH OF EXTERIOR WALLS SHALL BE MINIMUM 1/2"
- GYPSUM BOARD INSTALLED ON THE INTERIOR SIDE.

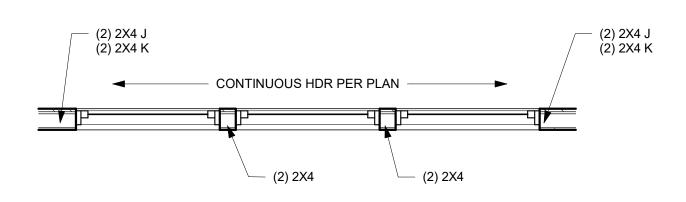
BRACING METHODS

- BRACING CS-PF PER IRC R602.10.6.4
- BRACING CS-WSP PER IRC R602.10

BRACING WSP PER IRC R602.10 (INCLUDES PARTIAL PANELS PER IRC R602.10.5.2)

BRACING LIB	PER IRC R602.10
MINIMUM LIB 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.
- VANITIES ARE TAGGED IN INCHES. ALL CRITICAL DIMENSIONS TO BE FIELD
- VERIFIED BY CONTRACTOR. ALL TOILETS TO BE INSTALLED WITH A MINIMUM OF 15" O.C. CLEARANCE ON EACH SIDE OF
- TOILET. ALL TOILETS TO HAVE 21" CLEARANCE AT
- FRONT OF TOILET. ALL SINKS TO HAVE 21" CLEARANCE AT FRONT
- OF SINK.
- ALL SHOWERS TO HAVE 24" CLEARANCE AT OPENING.

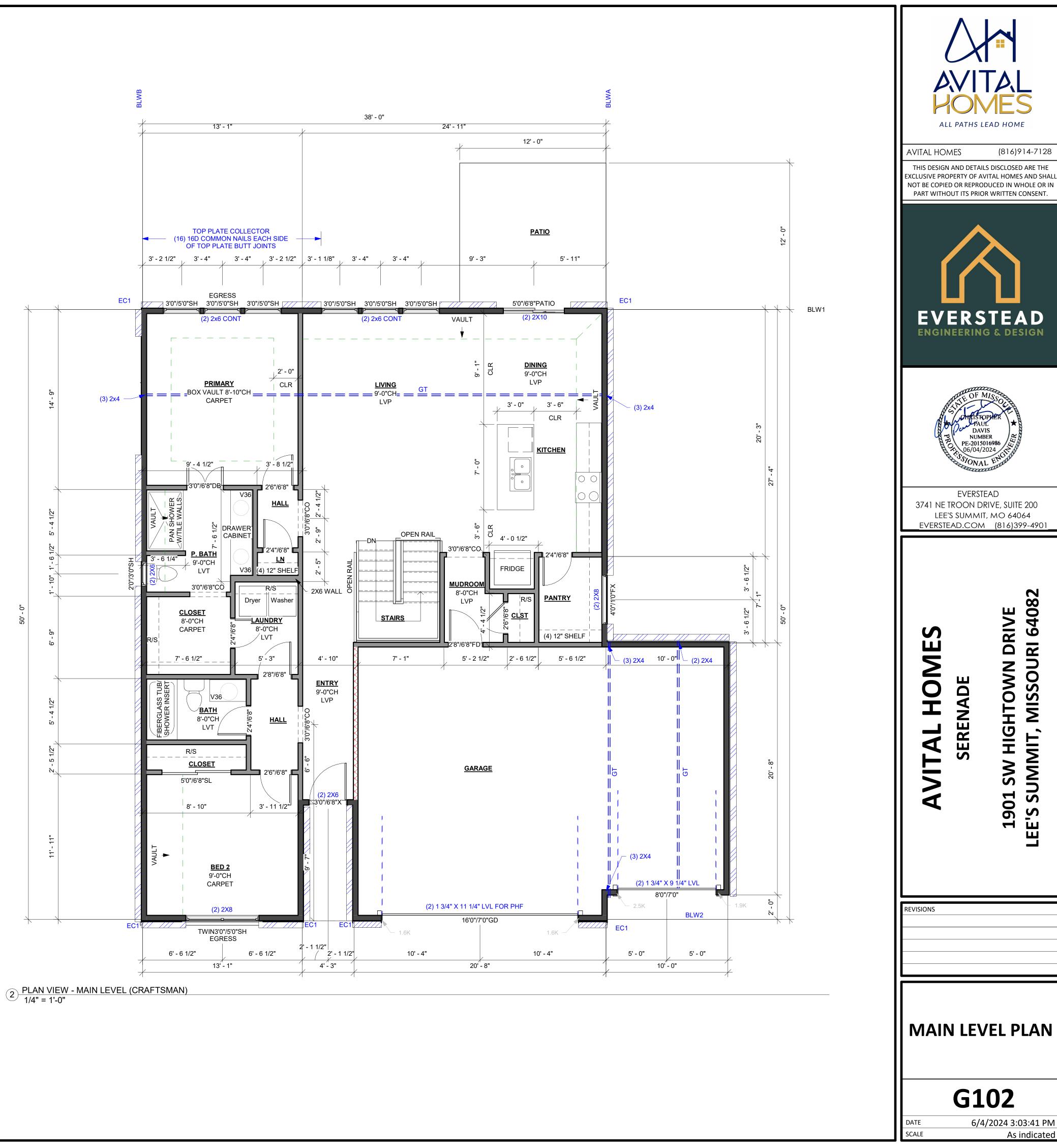
06/10/2024

MAIN LEVEL DOOR SCHEDULE							
Count	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"				
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	CEILING AND ATTICS	VAULTS R-VALUE	WOOD FRAME WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE & DEPTH	CRAWL SPACE WALL R-VALUE
				SHGC	R-VALUE		R-VALUE				
RELEASE FOR CONSTRUCTIO			.55	.40	49	49	20 OR 13+5H	19	10/13	10, 2 FT	10/13
DEVELOPMENT SERVICES LEE'S SUMM <mark>IT, MISSOURI</mark>			·				•				



 \mathbf{N}

408

Ò

URI

SO

MIS

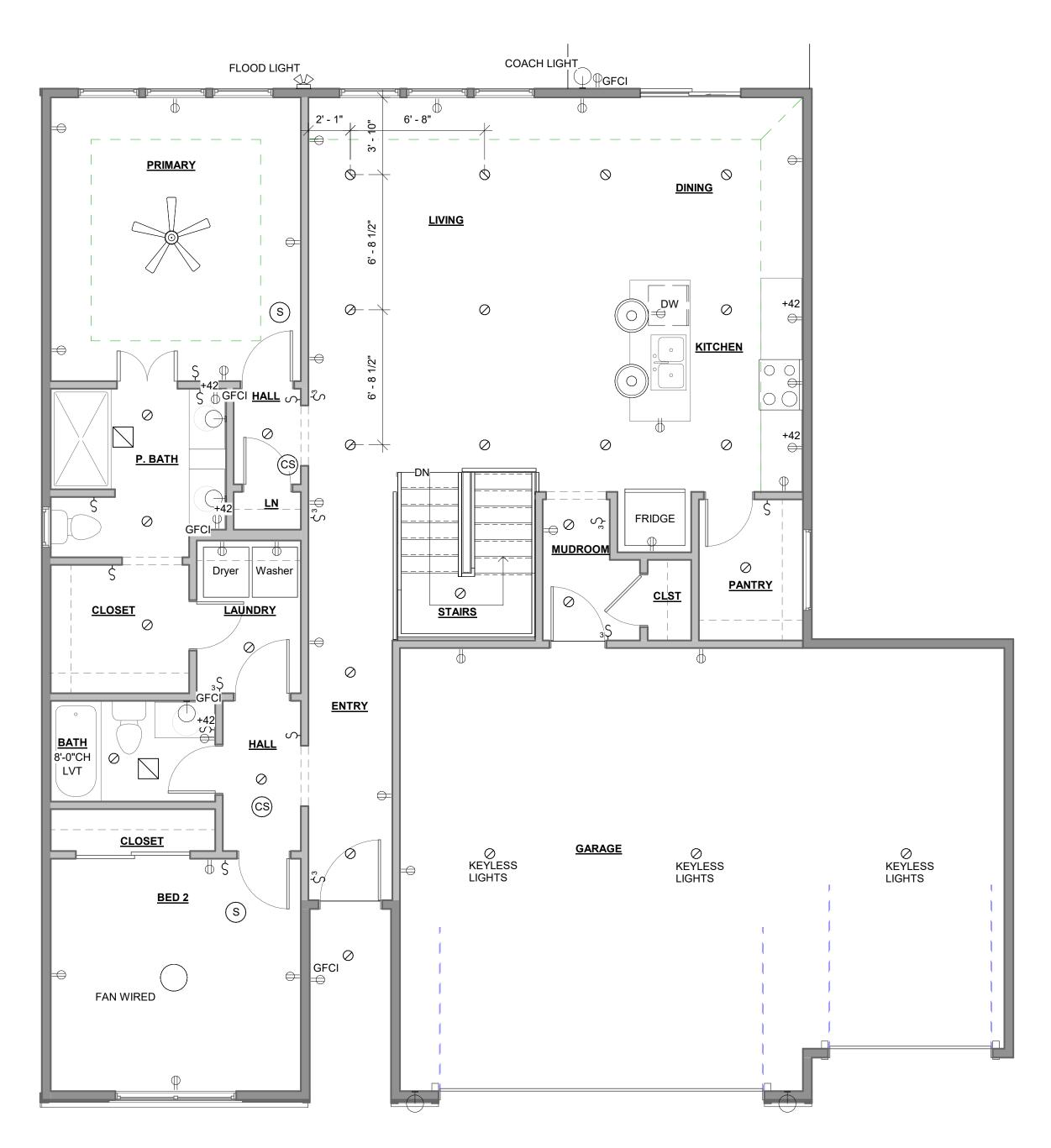
UMMIT

S

S

Ш





PLAN VIEW - MAIN LEVEL 3RD BAY

 1
 LIGHTING/OUTLET

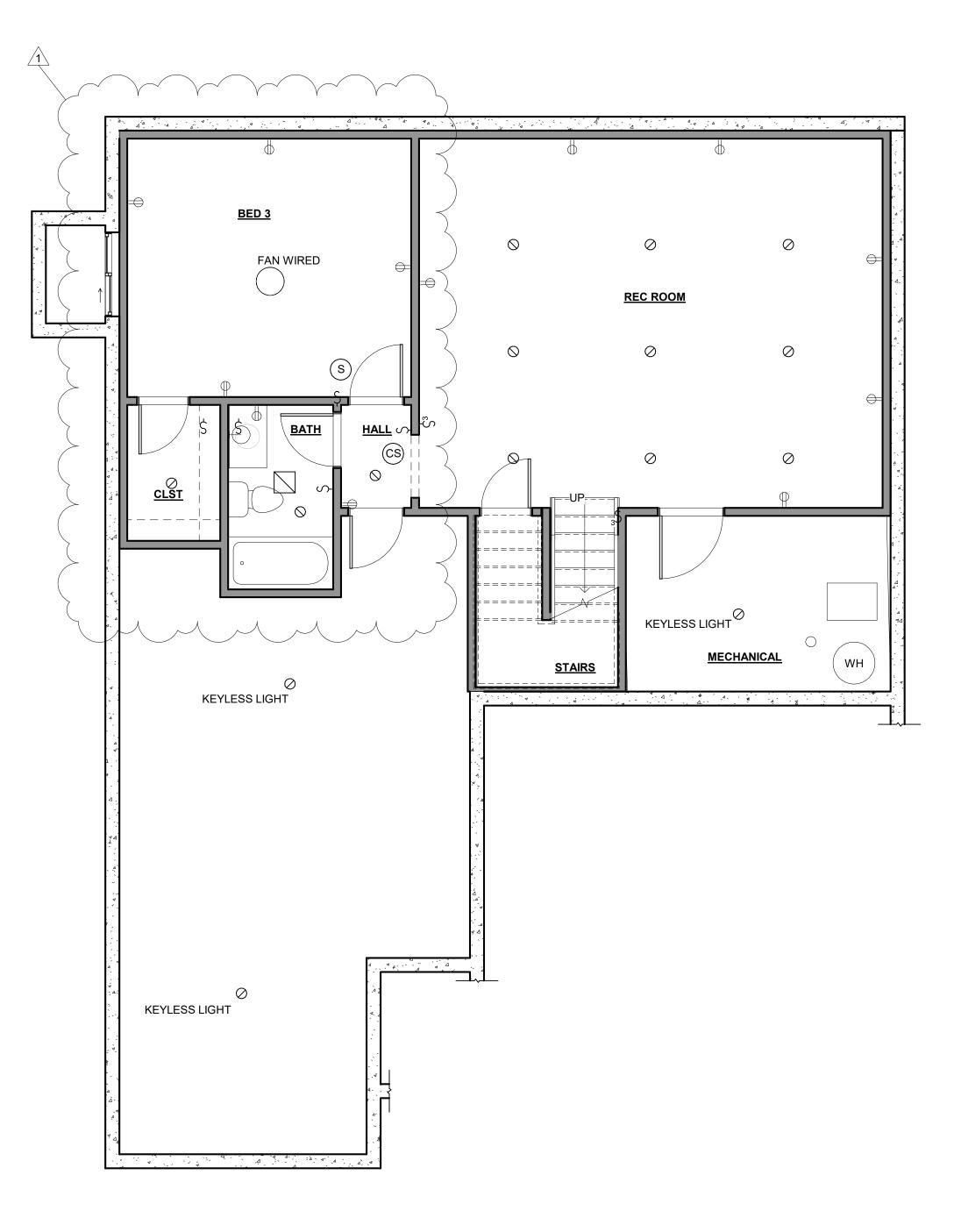
 1/4" = 1'-0"

 LIGHTING + OUTLET:

 Image: Recessed light
 Image: Smoke detector

 Image: Surface mount light fixture
 Image: Smoke detector

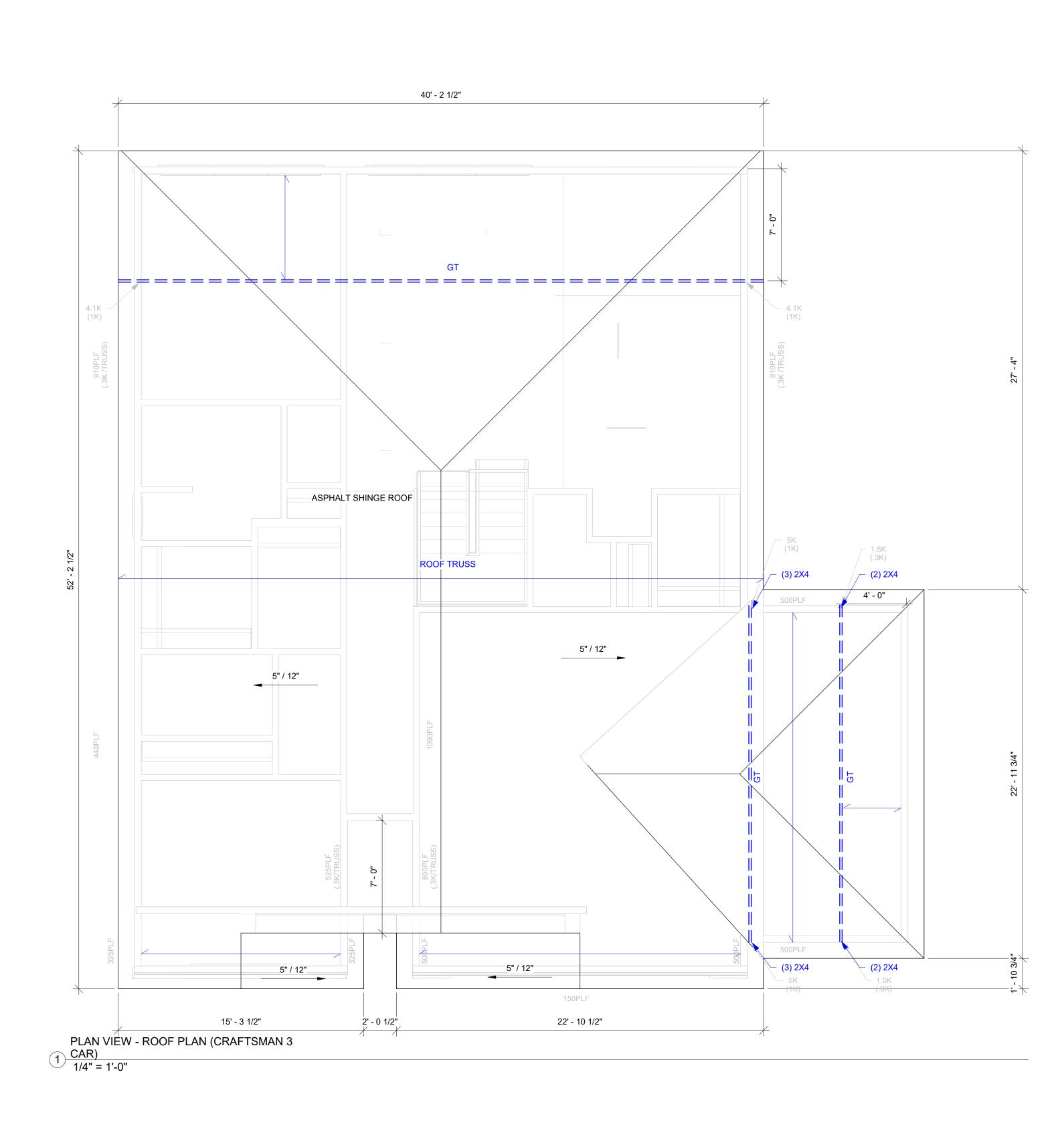
 Image: Surface mount light
 Image: Smoke detector</



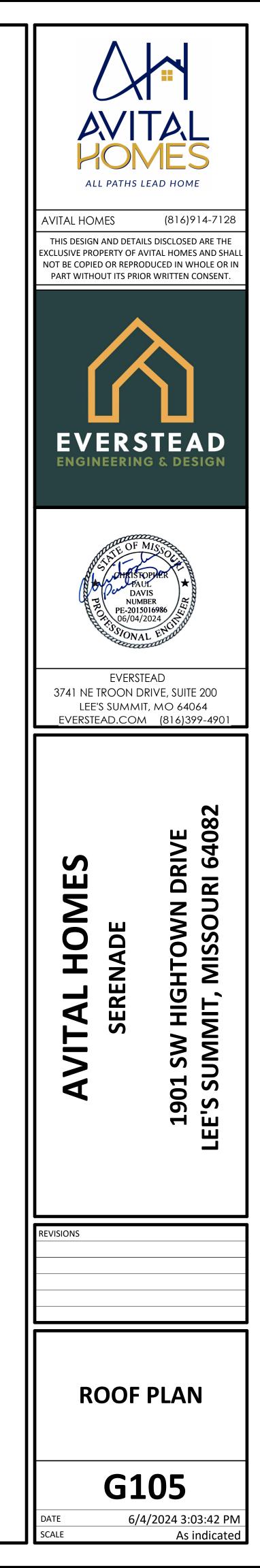
PLAN VIEW - LOWER LEVEL FINISHED
2 LIGHTING/OUTLET
1/4" = 1'-0"



- **TRUSS FRAMED ROOF NOTES**1.ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APPLICABLE.
- PROVIDE 2X SOLID BLOCKING SUPPORT BELOW ALL POINT LOADS CONTINUOUS TO 2.
- 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 4.
- BEARING ON APPROVED PRINTS. MIN. (6) 2x4 OR (6) 2x6 (TO MATCH WALL) BELOW EACH BEARING POINT OF EACH GIRDER
- TRUSS, UNLESS OTHERWISE NOTED. ROOF COVERING SHALL BE ASPHALT SHINGLES AND SHALL COMPLY WITH IRC 2018
- SECT. R905.2
- MINIMUM ROOF SLOPE FOR ASPHALT SHINGLES SHALL BE 2:12. ROOF SLOPES IN BETWEEN 4:12 AND 2:12 SHALL REQUIRE DOUBLE UNDERLAYMENT IN 8. ACCORDANCE WITH IRC 2018 TABLE R905.1.1(2)

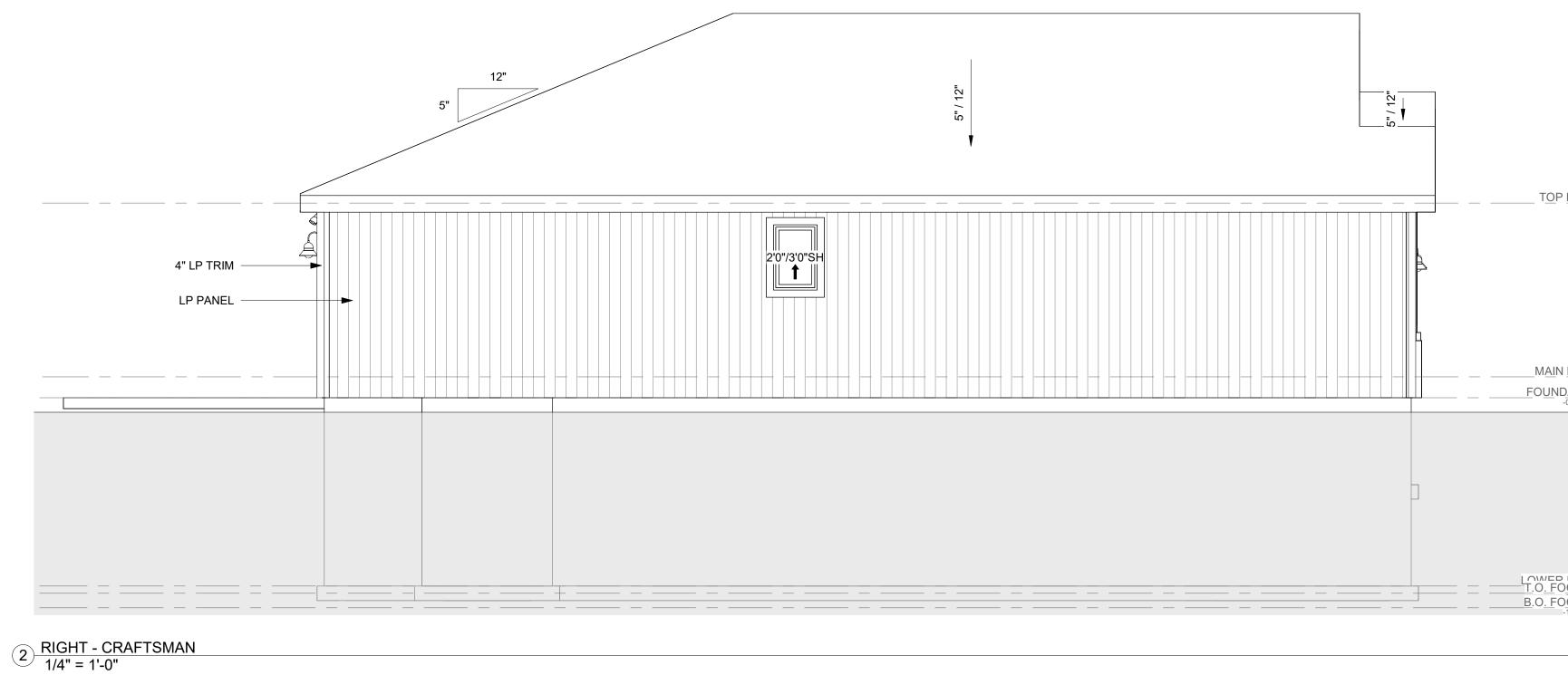


RELEASE FOR	ONSTRUCTION	
AS NOTED FOR	PLAN REVIEW	
DEVELOPME	T SERVICES	
LEE'S SUMM	T, MISSOURI	
06/10	/2024	

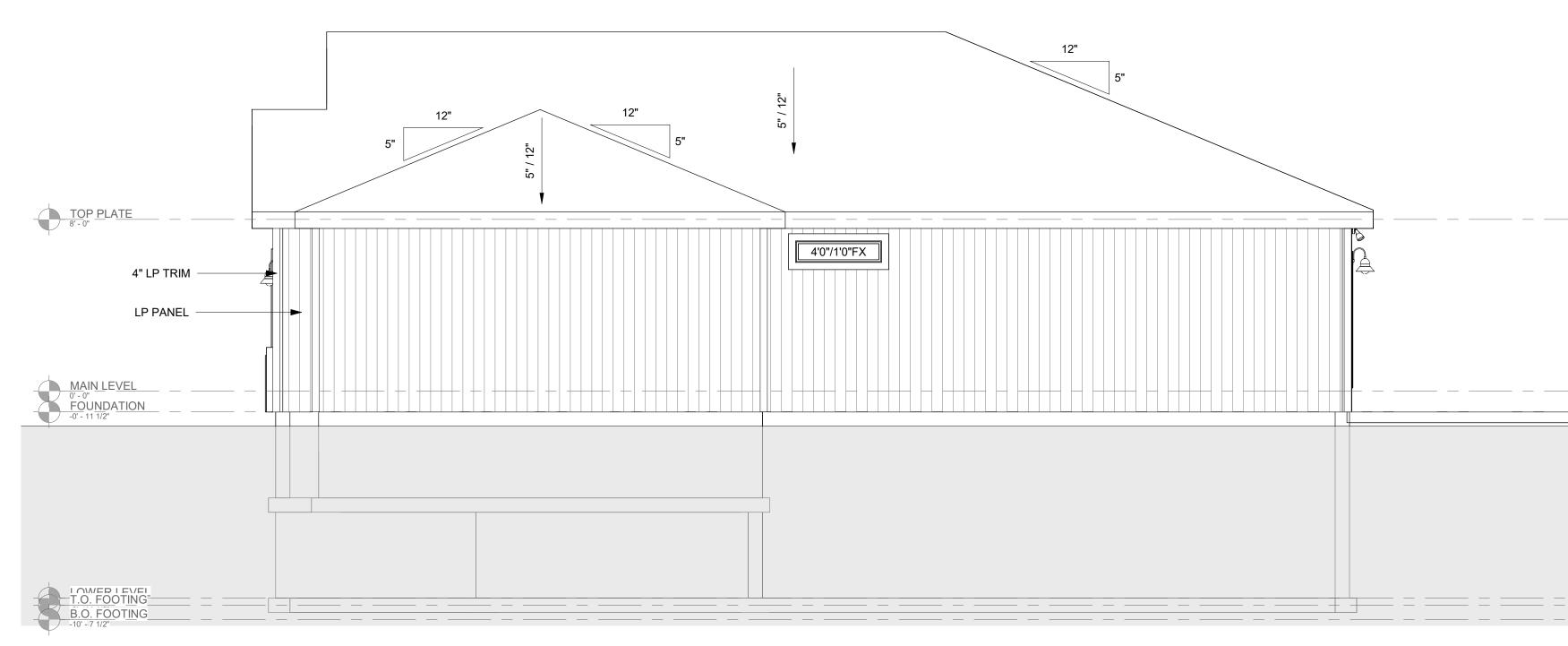


ELEVATION NOTES

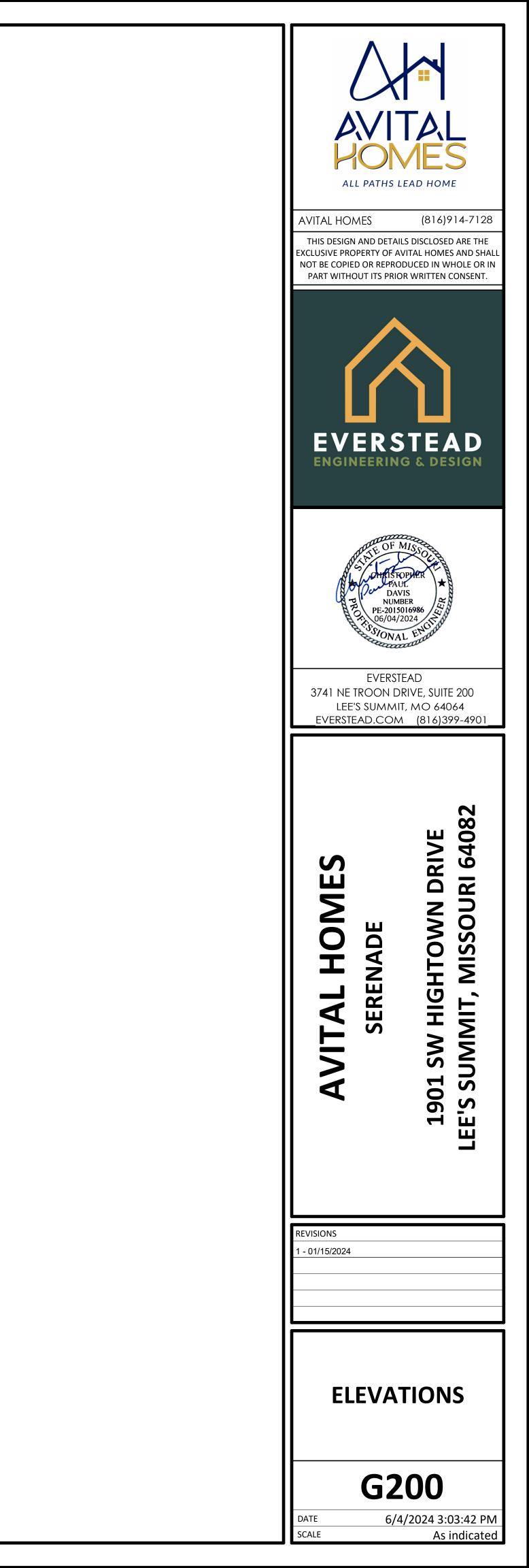
GRADE IS APPROXIMATE AND SHOWN FOR REFERENCE ONLY. CONFIRM WITH SITE CONDITIONS.



1) LEF - CRAFTSMAN 3 CAR 1/4" = 1'-0"







T<u>OP</u> <u>PLATE</u> 8' - 0"

MAIN LEVEL 0' - 0" FOUNDATION -0' - 11 1/2"

LOWED I EVEL T.O. FOOTING B.O. FOOTING

Α.	GENERAL NOTES IRC 2018		C.5	CONCRETE (CONT.)
A.1		ONAL RESIDENTIAL CODE (IRC) WITH AMENDMENTS AS JURISDICTION. THE CONTRACTOR SHALL NOTIFY THE		CONCRETE MIX TO UTILIZE A MAXIMI APPLICATIONS. ADMIXTURES SHALL
	CONSTRUCTION. THE ENGINEER OF RECORD AT ITS DISCRETION. IF DISCREPANCIES ARE ID	DEVIATIONS FROM THE PLAN ARE MADE DURING MAY REQUIRE REVISED DRAWING OR CALCULATIONS DENTIFIED THE MOST CONSERVATIVE SPECIFICATION		CONCRETE POURED AGAINST AN EX OF 1/4 INCH AMPLITUDE.
A 0	SHALL APPLY.			REBAR PLACEMENT SHALL BE AS FC
A.2	DEAD			 CONCRETE CAST AGAINST A CONCRETE EXPOSED TO EAI
	ROOF ROOF + CEILING (NO STORAGE)	10 PSF UNO 15 PSF		 NOT EXPOSED TO WEATHER 1) SLABS, WALLS, JOIST
	CEILING JOISTS (STORAGE)	20 PSF 10 PSF		2) BEAMS, COLUMNS
	INTERIOR FLOOR (MAIN FLOOR)	10 PSF 15 PSF 10 PSF		CONCRETE MIX DESIGN SHALL BE 69 WALLS, OR FLATWORK EXPOSED TO
	8" THICK MASONRY WALL 6" THICK MASONRY WALL	96 PSF 72 PSF		 SHORING AND SUPPORTING FORMW MEMBERS BEFORE CONCRETE STRE CYLINDERS OR 28 DAYS.
		15 PSF 10 PSF LOAD)		ALL FOUNDATION WALLS ENCLOSING DAMPPROOFING SHALL EXTEND FRO
	<u>LIVE</u> ROOF LIVE LOAD	20 PSF		(IRC R406.1)
	FLOOR LIVE LOAD GARAGE	40 PSF (HABITABLE) 50 PSF WITH 2000 LB POINT LOAD	C.6	CONCRETE WALLS WITH REINFORCEMENT
	GUARDRAIL:	20 PSF (UNINHABITABLE)		REINFORCING STEEL SHALL CONFOR
		50 PLF 200 LBS		 SMOOTH BARS OR WELDED WIRE FA 90 DEG. HOOK SHOWN IN DRAWINGS
	<u>SNOW</u> GROUND SNOW LOAD	20 PSF		STRAIGHT EXTENSION LENG
	WIND			BEND DIAMETER = 12X BAR D
		115 MPH B		HOOKED DOWELS: HOOKED DOWELS FROM FOU
В.	SOIL AND SITE ASSUMPTIONS			VERTICAL WALL REINFORCIN FOUNDATION.
B.1		IL BEARING FOR THE SITE OF 1,500 PSF (2,000 PSF FOR ED. CONTRACTOR TO VISUALLY INSPECT THE SITE OR		HOOKED DOWELS MATCH SL
	PROVIDE GEOTECHNICAL INVESTIGATION TO (SILTY CLAY) AS DEFINED BY 2018 IRC. THE CO	VERIFY MINIMUM ACCEPTABLE SOIL CONDITIONS FOR CL DNTRACTOR IS RESPONSIBLE FOR ANY SOIL CONDITION		
	THAT DOES NOT MEET THE MINIMUM REQUIR RECORD.	EMENTS AND FOR CONTACTING THE ENGINEER OF		 PROVIDE (2) - #5 BARS AROUND PER WHERE SPLICES ARE NECESSARY IN
B.2		IGHT 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
B.3	LATERAL SOIL PRESSURES UNLESS OTHERW			OF ONE-FIFTH THE REQUIRED LAP LI
2.0	ACTIVE 60 PSF AT REST 100 PSF			TOP HORIZONTAL REINFORCEMENT WALL.
В.4		INAGE AWAY FROM THE STRUCTURE AT A MINIMUM OF		HORIZONTAL WALL REINFORCEMEN STANDARD HOOK
		ROACHES MAY BE APPROVED IF THE ALTERNATE DESIGN ORMANCE, AND PROVIDES FOR POSITIVE SITE		STANDARD HOOK
C.	FOUNDATION NOTES		C.7	
C.1	FOUNDATION ANCHORAGE (IRC R403.1.6)			COLD WEATHER IS DEFINED AS THR TEMPERATURE DROPS BELOW 40 DE FAHRENHEIT FOR MORE THAN HALF
		E FOUNDATION WALL WITH A MINIMUM 1/2" DIAMETER		COLD WEATHER CONCRETE WORK \$
	 ANCHOR BOLTS EMBEDDED AT LEAST BOLTS SHALL BE SPACED NO GREATE 			ALL MATERIALS AND EQUIPMENT RE
		BOLTS PER PLATE SECTION, WITH A BOLT PLACED		PROJECT SITE BEFORE COLD WEAT
	WITHIN 12" AND NOT CLOSER THAN 7 I	BOLT DIAMETERS OF THE END OF EACH PLATE SECTION.		THE CONCRETE MIX DESIGN PROVID AVERAGE 28 DAY MIX DESIGN COMP WHICHEVER IS GREATER.
	(NOTE: 7" EMBEDMENT + 1-1/2" SILL PL	R SHALL BE TIGHTENED ON EACH BOLT TO THE PLATE, ATE + 3/4" FOR NUT AND WASHER EQUALS A 9-1/4" LONG		THE TEMPERATURE OF CONCRETE A
	BOLT). WALL BRACING METHODS (IRC R602) M	MAY REQUIRE ADDITIONAL ANCHORAGE.		FAHRENHEIT .
C.2	CONCRETE SLABS	NAT NEQUINE ADDITIONAL ANOTONAGE.		THE MINIMUM CONCRETE TEMPERA DEGREES FAHRENHEIT.
		ATERIAL WHICH SHALL BE COMPARED TO ENSURE		ALL SNOW, ICE AND FROST MUST BE
	UNIFORM SUPPORT OF THE SLAB AND MATERIAL (SAND OR GRAVEL) OR 8" O) SHALL NOT EXCEED 24" OF COMPACTED GRANULATED OF EARTH:		THE CONTRACTOR SHALL PROVIDE FREEZING AND MAINTAIN A CONCRE
	THIS MAY OCCUR AT GARAGE FLOOR SLABS.	FLOOR FILLS, OR OVER EXCAVATED AREAS UNDER		HOUR PERIOD AFTER CONCRETE PL INSULATING BLANKETS AND/OR THE
	THE DESIGN AND INSTALLATIC	ON DETAILS IN THIS DOCUMENT (WHERE APPLICABLE		GROUND TEMPERATURE AT THE TIM LESS THAN 35 DEGREES FAHRENHE
	BASED ON SIZE AND SPACING SEPARATE DESIGN.	LIMITATIONS) MAY BE USED IN LIEU OF PROVIDING A		INSULATION, FORMS AND HEATERS I
		NG THE SPANS AND CONDITIONS OF THE APPROVED BY A PROFESSIONAL ENGINEER.		MAINTAIN ADEQUATE PROTECTION (
	SLABS AT MAX 4'-0" OVER-DIG ADJACE		• •	EXPOSED CONCRETE ELEMENT TO F
	WHERE SOIL IS EXCAVATED FOR	OR A MAXIMUM DIMENSION OF 4'-0" HORIZONTALLY	C.8	FOOTNOTES VERTICAL REINFORCEMENT FOR CO
	ADJACENT TO A FOUNDATION LIEU OF A COMPLETE STRUCT	WALL, THE STANDARD OVER-DIG DETAIL MAY BE USED IN URAL SLAB.		REINFORCEMENT SPACED 24" O.C. M WALLS SHALL HAVE VERTICAL REINF
	SEE "TYPICAL FOOTING/FOUNI DETAIL.	DATION WALL/STANDARD SLAB AT MAX 4'-0" OVER-DIG"		• 8" WALL – MINIMUM 2" FROM
C.3	VAPOR RETARDER / BARRIER (IRC R506.2.3)			 10" WALL – MINIMUM 6-3/4" FF EXTEND BARS TO WITHIN 8" (
	A 6 MILLIMETER POLYETHYLENE OR A	PPROVED VAPOR RETARDER WITH JOINTS LAPPED A		HORIZONTAL REINFORCEMENT:
	OR PREPARED SUBGRADE, (NOT REQ	N THE CONCRETE FLOOR SLAB AND THE BASE COURSE UIRED FOR GARAGE SLABS OR DETACHED UNHEATED		 ONE BAR SHALL BE PLACED OTHER BARS SHALL BE EQU/
C.4	ACCESSORY BUILDINGS).			 HORIZONTAL BARS SHOULD (INTERIOR); AND BEHIND THE
		L EXTEND NOT LESS THAN 36" BELOW GRADE FOR FROST		SUPPLEMENTAL REINFORCE DEGREE ANGLE AT CORNER THE EDGE OF INSIDE CORNE
	PROTECTION (IRC R403.1.4).			AT MASONRY LEDGES THE MINIMUM
		SSORY STRUCTURES WITH AN AREA OF 600 SQ. FT. OR OR LESS SHALL EXTEND BELOW GRADE A MINIMUM OF		EXCEED A DEPTH OF MORE THAN 24 LESS THAN 4". PROVIDE #4 BARS AT
	• EXTERIOR WALLS, BEARING WALLS, C	OLUMNS AND PIERS SHALL BE SUPPORTED ON		STRAIGHT WALLS MORE THAN 5'-0" T WITH EXTERIOR BRACED RETURN W
	SYSTEM TO SAFELY SUPPORT THE IM	NCRETE FOOTINGS, OR APPROVED STRUCTURAL POSED LOADS AND SHALL BE SIZED AND REINFORCED IN OR SHALL BE ENGINEERED DESIGN		THE SHORTEST DIMENSION BETWEE SECTION).
	ACCORDANCE WITH THIS STANDARD FOOTINGS UNDER FOUNDATION WALL	OR SHALL BE ENGINEERED DESIGN. _S SHALL BE CONTINUOUS AROUND THE STRUCTURE		
	AND FROM ONE LEVEL TO THE NEXT.			F TYPE OR LOCATION OF CONCRETE
		VEEN FOOTINGS AT DIFFERENT LEVELS ENCLOSING PPROVED SOLID JUMPS OR SUPPORT SYSTEMS TO UCTURE.		CONSTRUCTION
	SEE "TYPICAL FOOTING/FOUNDATION	WALLS/STANDARD SLAB AT MAXIMUM 4" OVER-DIG" AND		BASEMENT WALLS, FOUNDATIONS AND OTHER CONCRETE NOT EXPOSED TO THE WEATHER
C.5	"FOOTING JUMP" DETAILS.			BASEMENT SLABS AND INTERIOR SLABS ON
-		JLD CONFORM TO ACI 318-14 (OR ACI 332) OR 2018 IRC.		GRADE, EXCEPT GARAGE FLOOR SLABS BASEMENT WALLS, FOUNDATION WALLS, EX
	THE MINIMUM CONCRETE 28 DAY COM TABLE R402.2.	IPRESSIVE STRENGTH SHALL BE AS SPECIFIED IN IRC		WALLS AND OTHER VERTICAL CONCRETE W EXPOSED TO THE WEATHER
				PORCHES, CARPORT SLABS AND STEPS EXPOSED TO THE WEATHER,AND GARAGE
				FLOOR SLABS
ON W				SUSPENDED SLABS

RELEASE

AS NOTE

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

(ISTING SURFACE SHOULD BE ROUGHENED TO A MINIMUM

DLLOWS:

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

% (±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.

ABRIC SHALL CONFORM TO ASTM 185.

S SHALL BE STANDARD PER ACI 318-14.

TH = 12X BAR DIA. DIA

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

AB REINFORCING FROM SLAB TO WALLS OR SLAB TO

IMETER OF ALL SUSPENDED SLABS.

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

T 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.

DED BY THE SUPPLIER SHALL AT A MINIMUM REACH THE RESSIVE STRENGTH IN MINIMUM 72 HOURS OR 2000 PSI –

AT PLACEMENT SHALL BE A MINIMUM OF 55 DEGREES

TURE AT THE TIME OF MIXING SHALL NOT BE BELOW 65

E REMOVED PRIOR TO PLACING CONCRETE.

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

IE OF PLACEMENT OF SLAB OR FOOTINGS SHALL NOT BE

MAY BE REMOVED AFTER 72 HOURS .

OF SUB GRADE AND ADEQUATE DRAINAGE AWAY FROM PREVENT FREEZING.

NCRETE WALLS THAT ARE NOT FULL HEIGHT AND FOR AY BE PLACED IN THE MIDDLE OF THE WALL. OTHER 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

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

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

OMPRESSIVE STRENGTH OF CONCRETE PER TABLE R402.2

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

FRAMING/STRUCTURE

D.1

FRAM	ING 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

	F₀ (PSI)	E (PSI)	F _v (PSI)		
LVL	3100	1.9X10 ⁶	285		
DOUGLAS FIR-LARCH	900	1.6X10 ⁶	180		
GLU-LAM	2400	1.8X10 ⁶	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_Y = 50 KSI)

ASTM F1554 (F_Y = 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.

<u>GLAZING</u> Ε.

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).

<u>R00F</u>

•

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 FLOOREXEXISTINGABANCHOR BOLTFVFIELD VERIFYBMBEAMFFFINISHED FLOORBRGBEARINGFJFLOOR JOISTBFFBELOW FINISHED FLOORFTGFOOTINGBOTBOTTOMFNDFOUNDATIONBWLBRACED WALL LINEHDRHEADERCJCEILING JOISTHORZHORIZONTALCLRCLEARMAXMAXIMUMCOLCOLUMNMINMINIMIUMCONCCONCRETENTSNOT TO SCALECMUCONCRETE MASONRY UNITOCON CENTER	
BMBEAMFFFINISHED FLOORBRGBEARINGFJFLOOR JOISTBFFBELOW FINISHED FLOORFTGFOOTINGBOTBOTTOMFNDFOUNDATIONBWLBRACED WALL LINEHDRHEADERCJCEILING JOISTHORZHORIZONTALCLRCLEARMAXMAXIMUMCOLCOLUMNMINMINIMIMUMCONCCONCRETENTSNOT TO SCALECMUCONCRETE MASONRY UNITOCON CENTER	
BRG BEARING FJ FLOOR JOIST BFF BELOW FINISHED FLOOR FTG FOOTING BOT BOTTOM FND FOUNDATION BWL BRACED WALL LINE HDR HEADER CJ CEILING JOIST HORZ HORIZONTAL CLR CLEAR MAX MAXIMUM COL COLUMN MIN MINIMUM CONC CONCRETE NTS NOT TO SCALE CMU CONCRETE MASONRY UNIT OC ON CENTER	
BFFBELOW FINISHED FLOORFTGFOOTINGBOTBOTTOMFNDFOUNDATIONBWLBRACED WALL LINEHDRHEADERCJCEILING JOISTHORZHORIZONTALCLRCLEARMAXMAXIMUMCOLCOLUMNMINMINIMUMCONCCONCRETENTSNOT TO SCALECMUCONCRETE MASONRY UNITOCON CENTER	
BFFBELOW FINISHED FLOORFTGFOOTINGBOTBOTTOMFNDFOUNDATIONBWLBRACED WALL LINEHDRHEADERCJCEILING JOISTHORZHORIZONTALCLRCLEARMAXMAXIMUMCOLCOLUMNMINMINIMUMCONCCONCRETENTSNOT TO SCALECMUCONCRETE MASONRY UNITOCON CENTER	
BWL BRACED WALL LINE HDR HEADER CJ CEILING JOIST HORZ HORIZONTAL CLR CLEAR MAX MAXIMUM COL COLUMN MIN MINIMUM CONC CONCRETE NTS NOT TO SCALE CMU CONCRETE MASONRY UNIT OC ON CENTER	
CJ CEILING JOIST HORZ HORIZONTAL CLR CLEAR COL COLUMN CONC CONCRETE CMU CONCRETE MASONRY UNIT HORZ HORZONTAL HORZ HORIZONTAL HORZ HOR	
CLR CLEAR • MAX MAXIMUM COL COLUMN • MIN MINIMUM CONC CONCRETE • NTS NOT TO SCALE CMU CONCRETE MASONRY UNIT • OC ON CENTER	
COLCOLUMNMINMINIMUMCONCCONCRETE•NTSNOT TO SCALECMUCONCRETE MASONRY UNIT•OCON CENTER	
CONC CONCRETE • NTS NOT TO SCALE CMU CONCRETE MASONRY UNIT • OC ON CENTER	
CMU CONCRETE MASONRY UNIT • OC ON CENTER	
CXN CONNECTION • PED PEDESTAL	
CONT CONTINUOUS • PCF POUNDS PER CUBIC FOOT	
DBL DOUBLE • PLF POUNDS PER LINEAR FOOT	
DIA DIAMETER • PSF POUNDS PER SQUARE FOOT	
EW EACH WAY • PSI POUNDS PER SQURE INCH	
EFF EFFECTIVE • PT PRESSURE TREATED	
EL ELEVATION • RAF RAFTER	
EC END CONDITION • SIP STRUCTURAL INSULATED PAN	NEL
EOR ENGINEER OF RECORD • STL STEEL	
EQ EQUAL • TYP TYPICAL	
EQUIV EQUIVALENT • UNO UNLESS NOTED OTHERWISE	
EFP EQUIVALENT FLUID PRESSURE • VERT VERTICAL	





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

U O 7 ш ш

40 DRIV Ò R Ζ S ≥ N D Ī I IMMIT, DIH 3 S J Η S 0 90 S

ш

 \mathbf{N}

REVISIONS

DATE

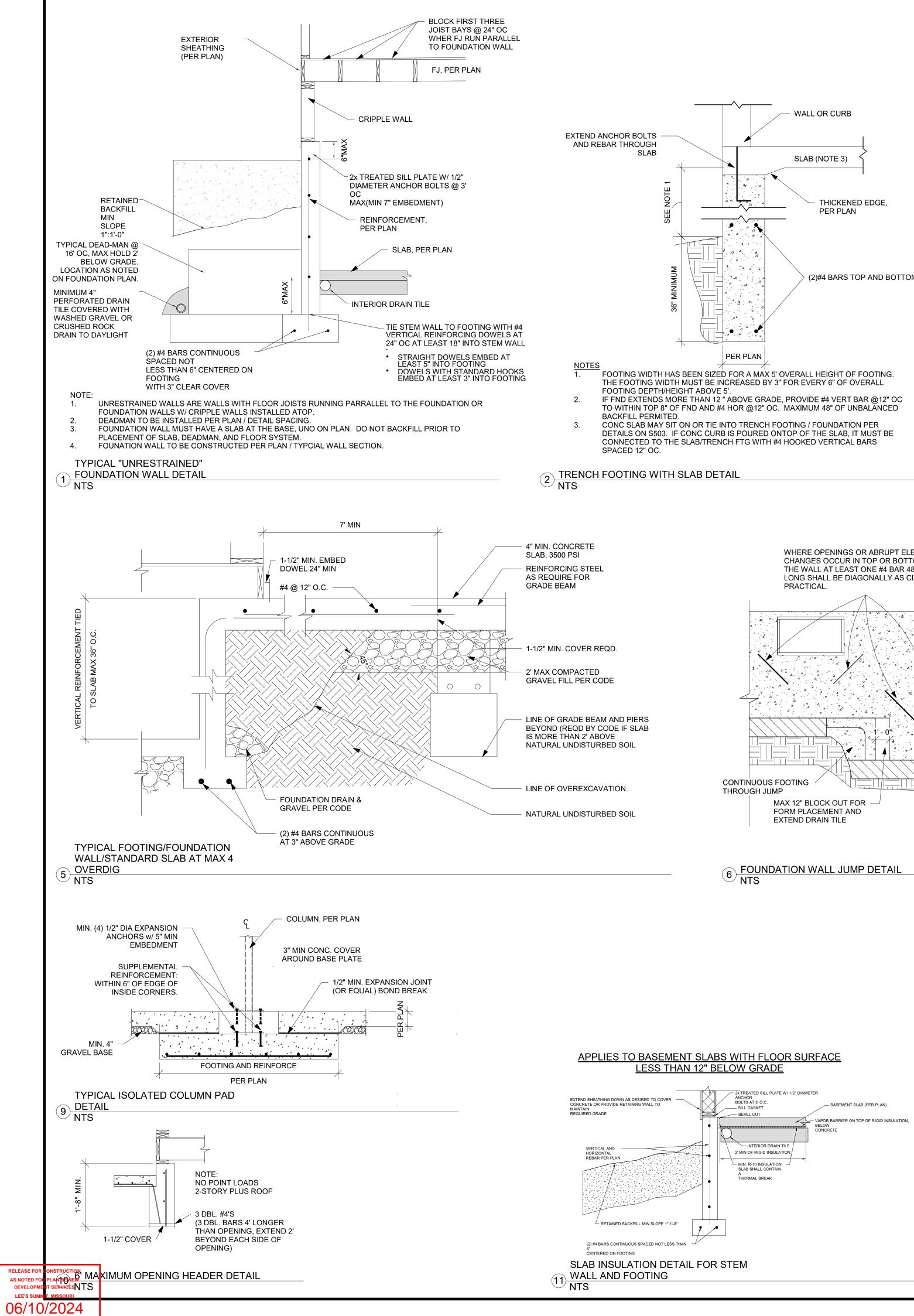
SCALE

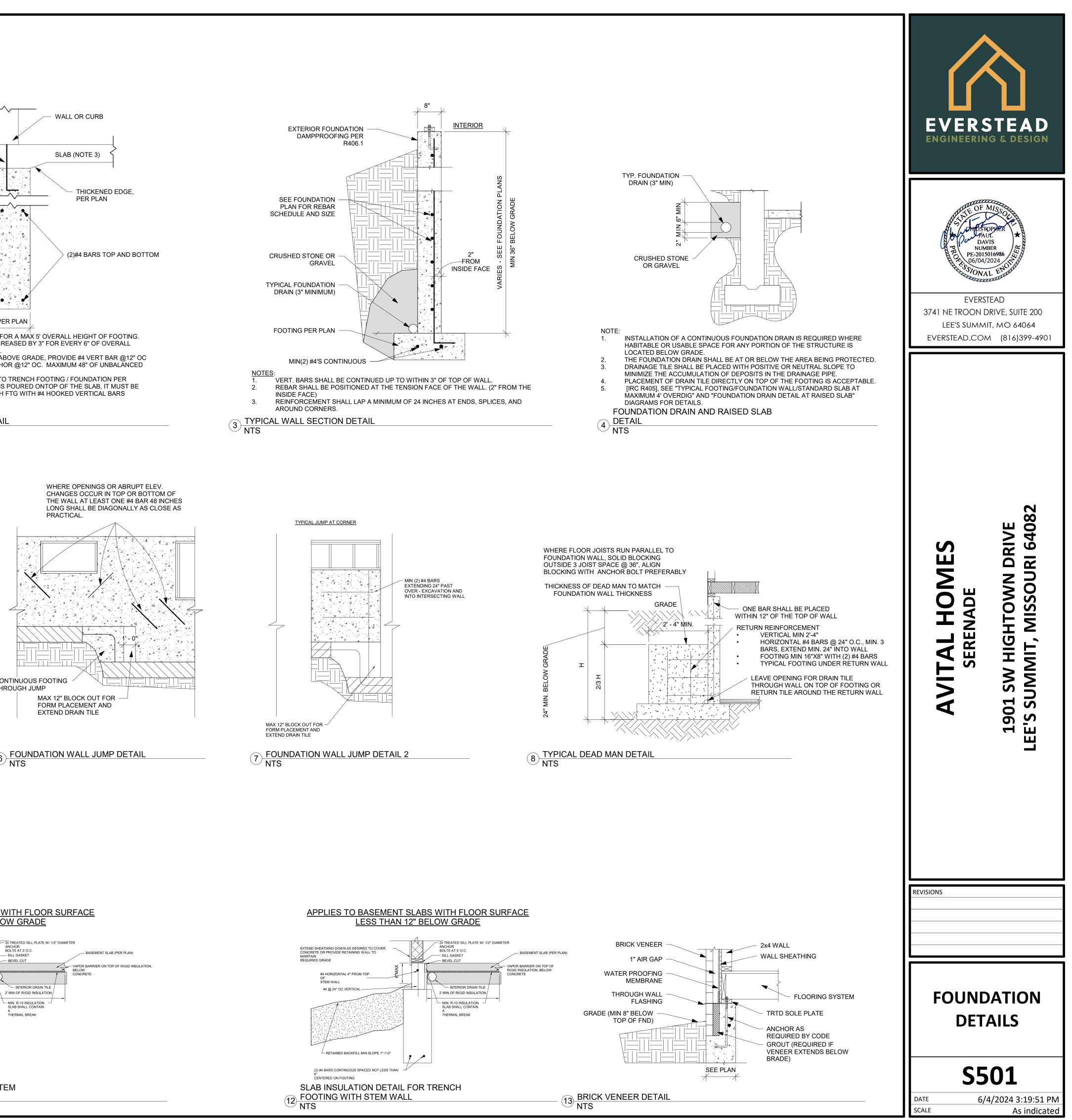
STRUCTURAL **GENERAL NOTES**

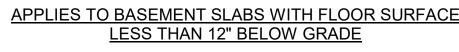
SOOO

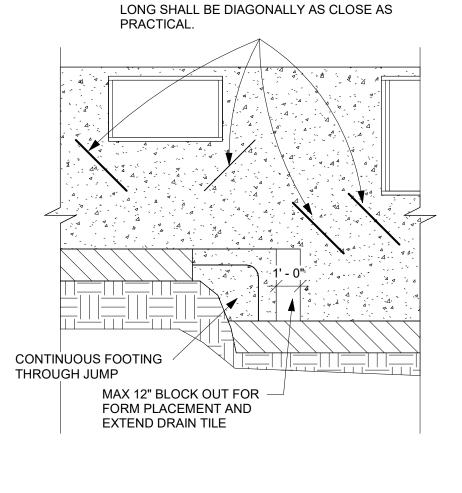
6/4/2024 3:19:50 PM

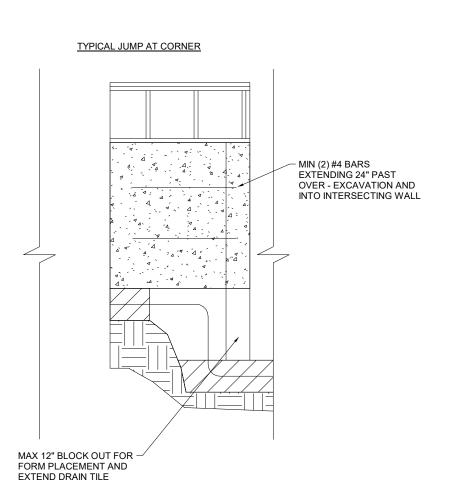
As indicated

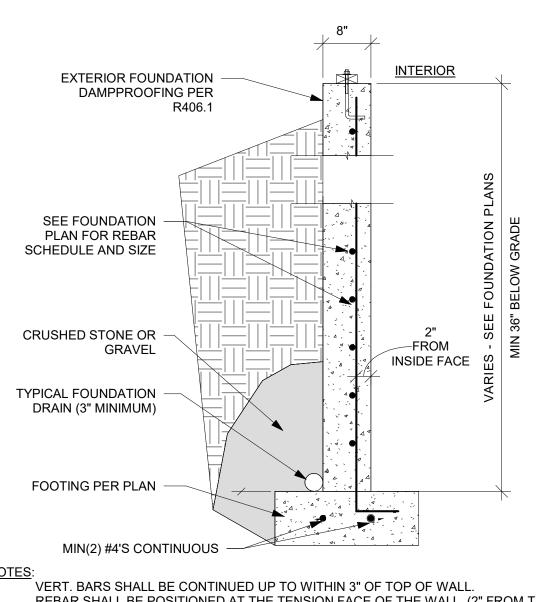


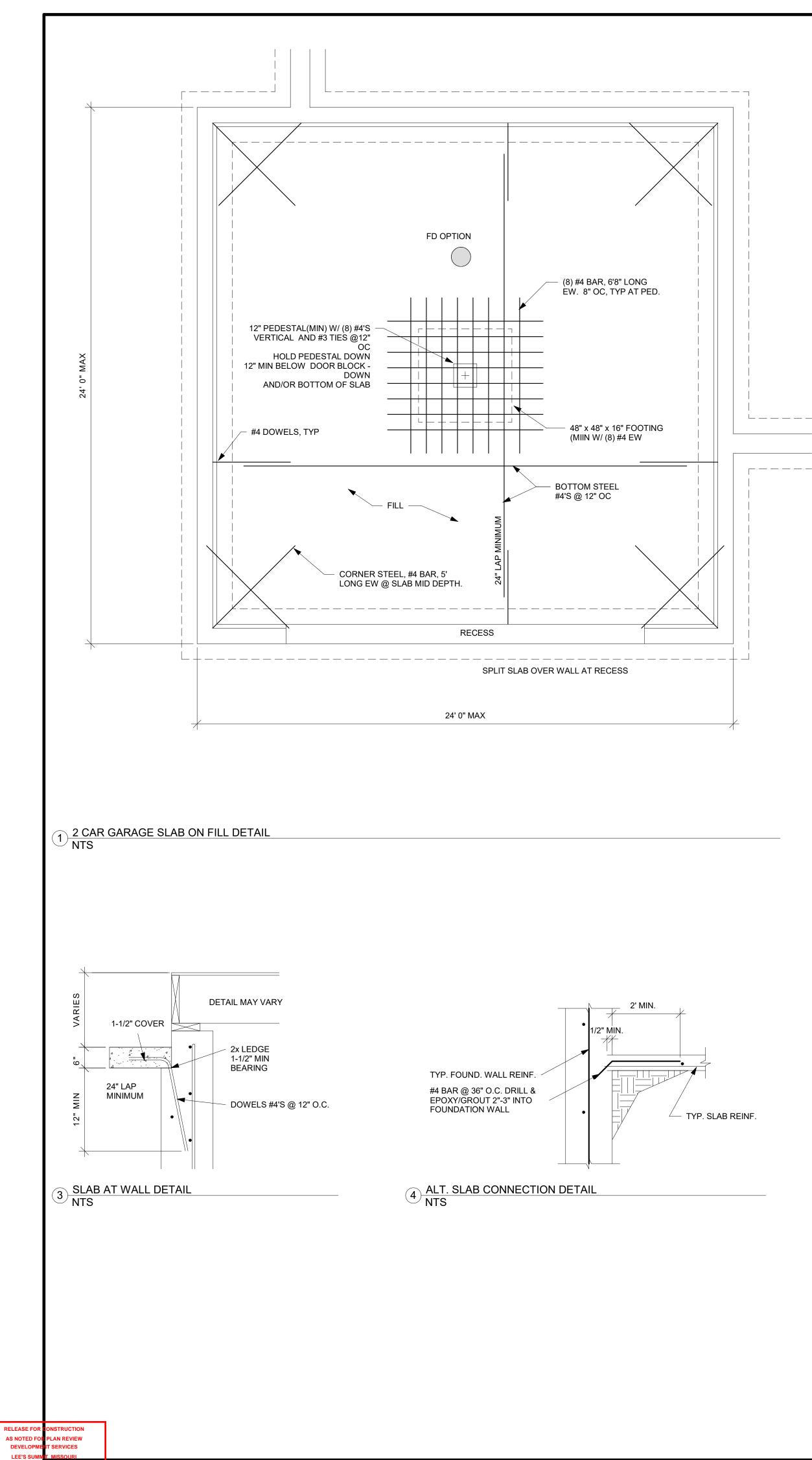




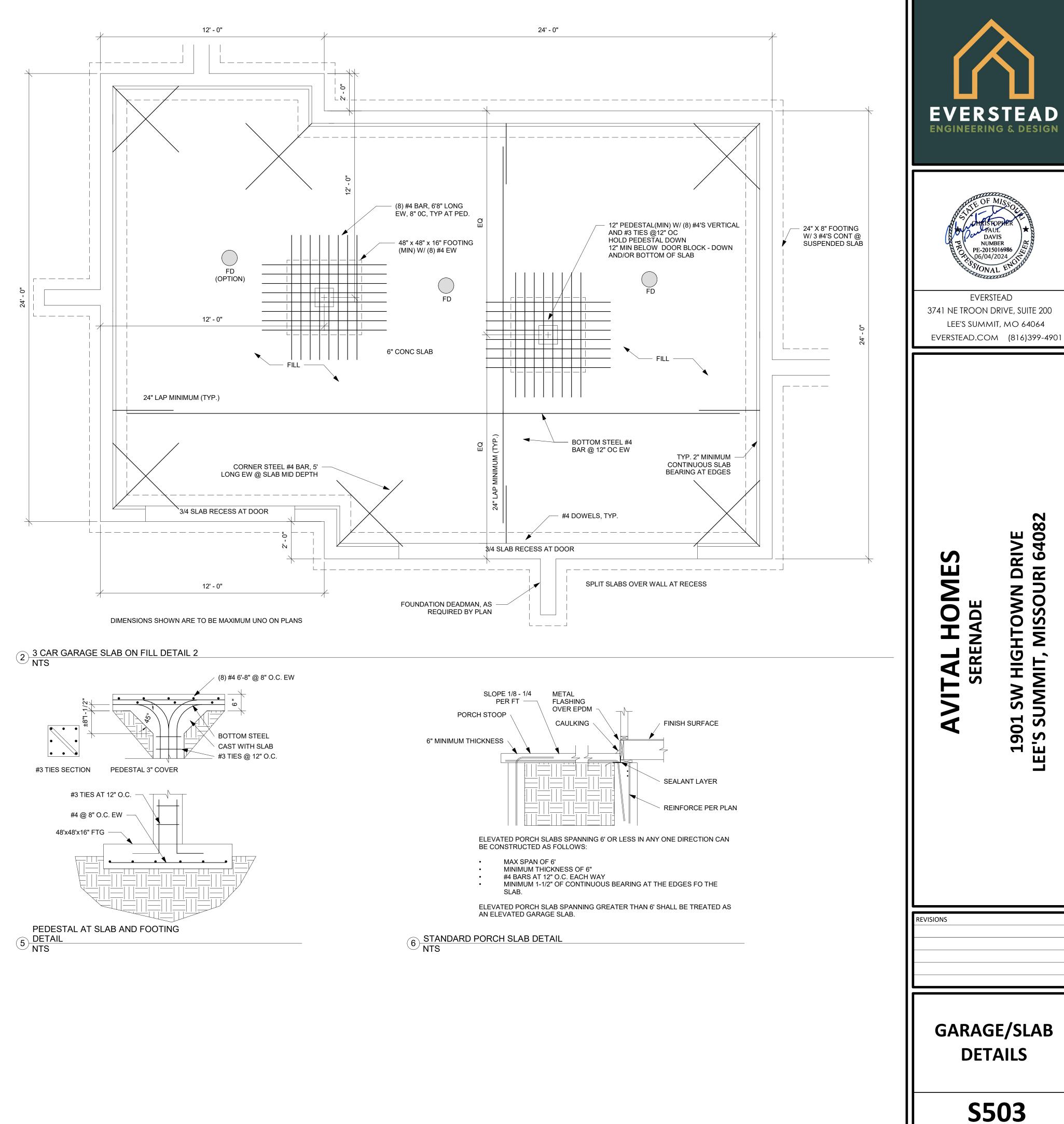


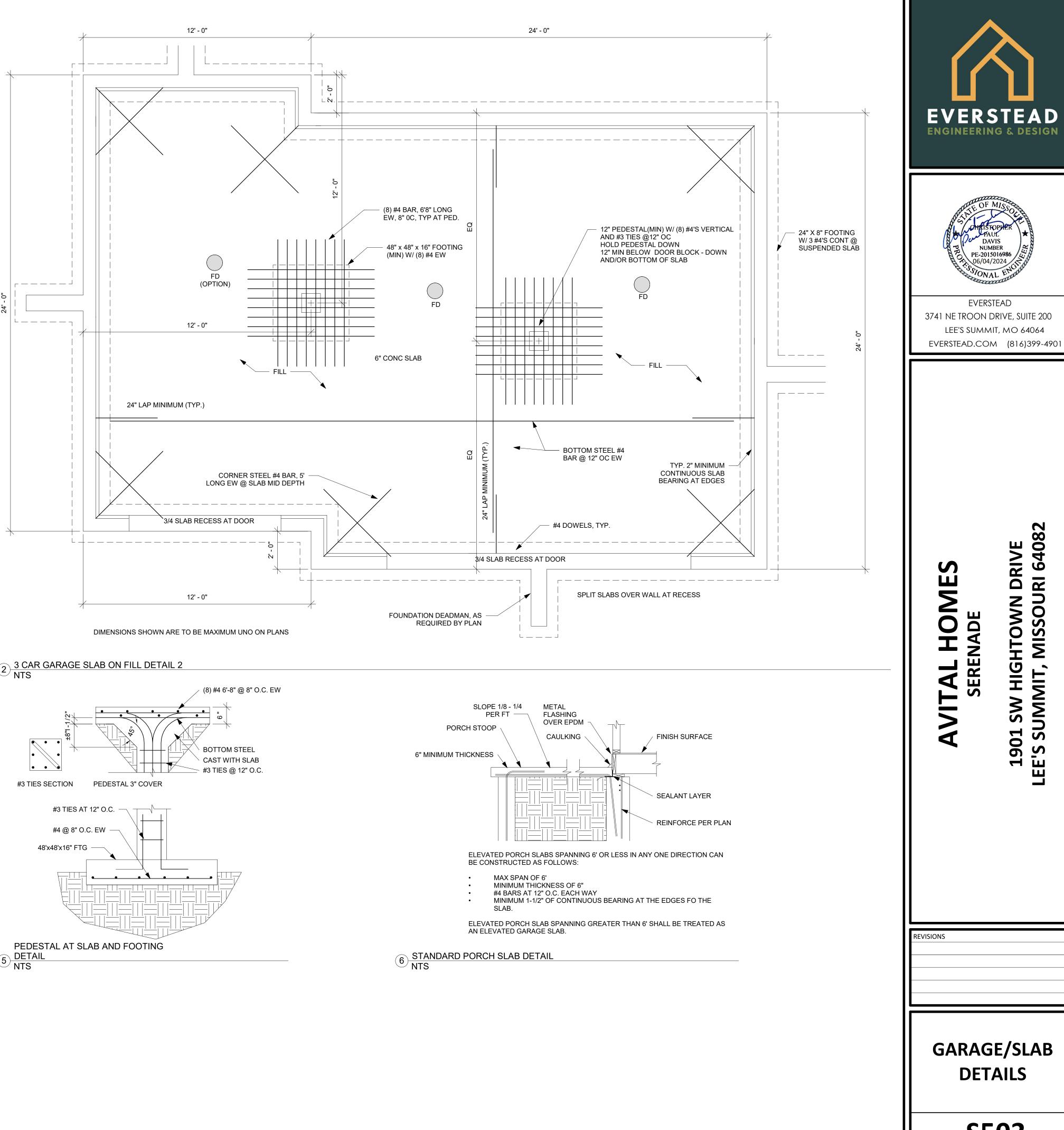






LEE'S S 06/10/2024

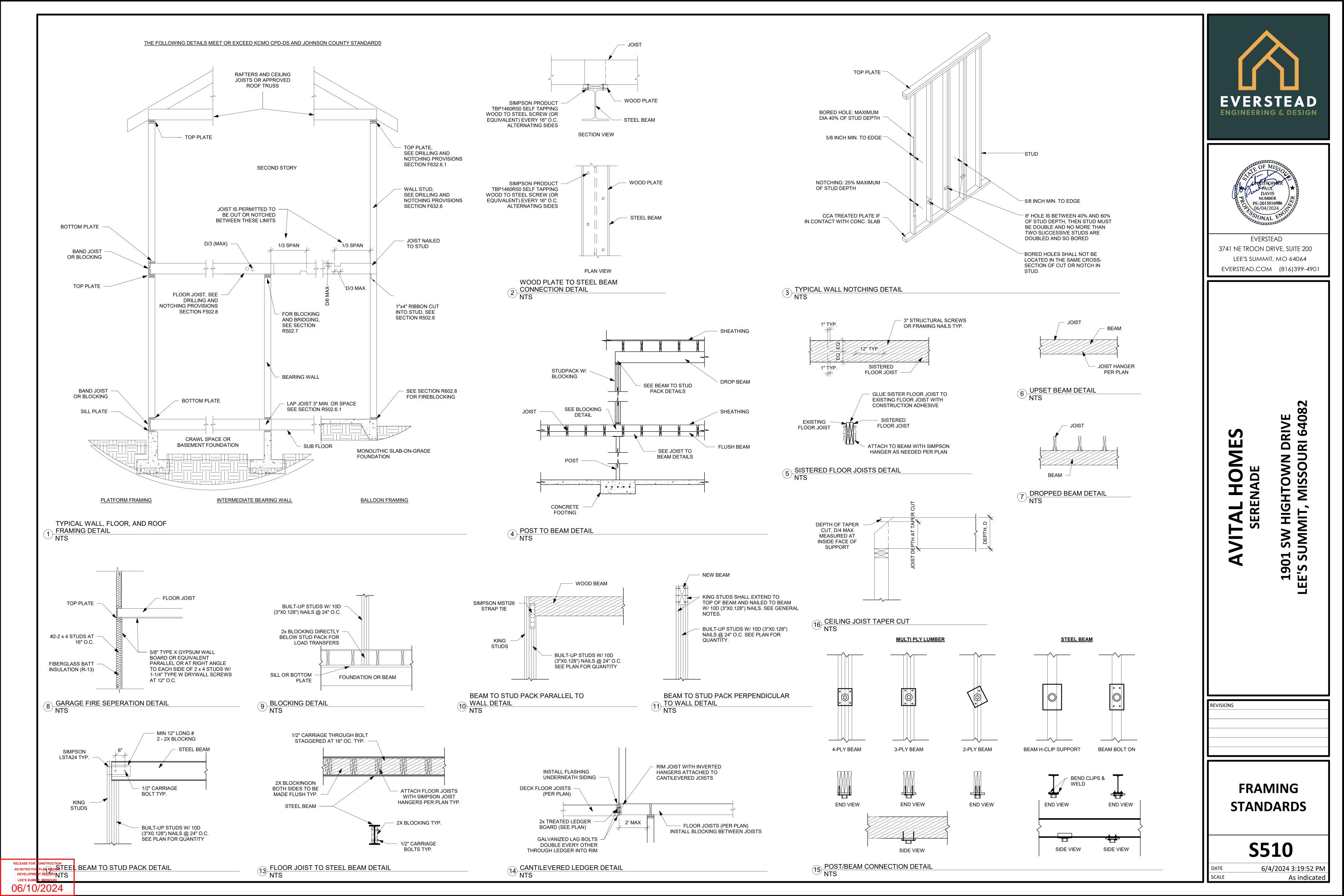


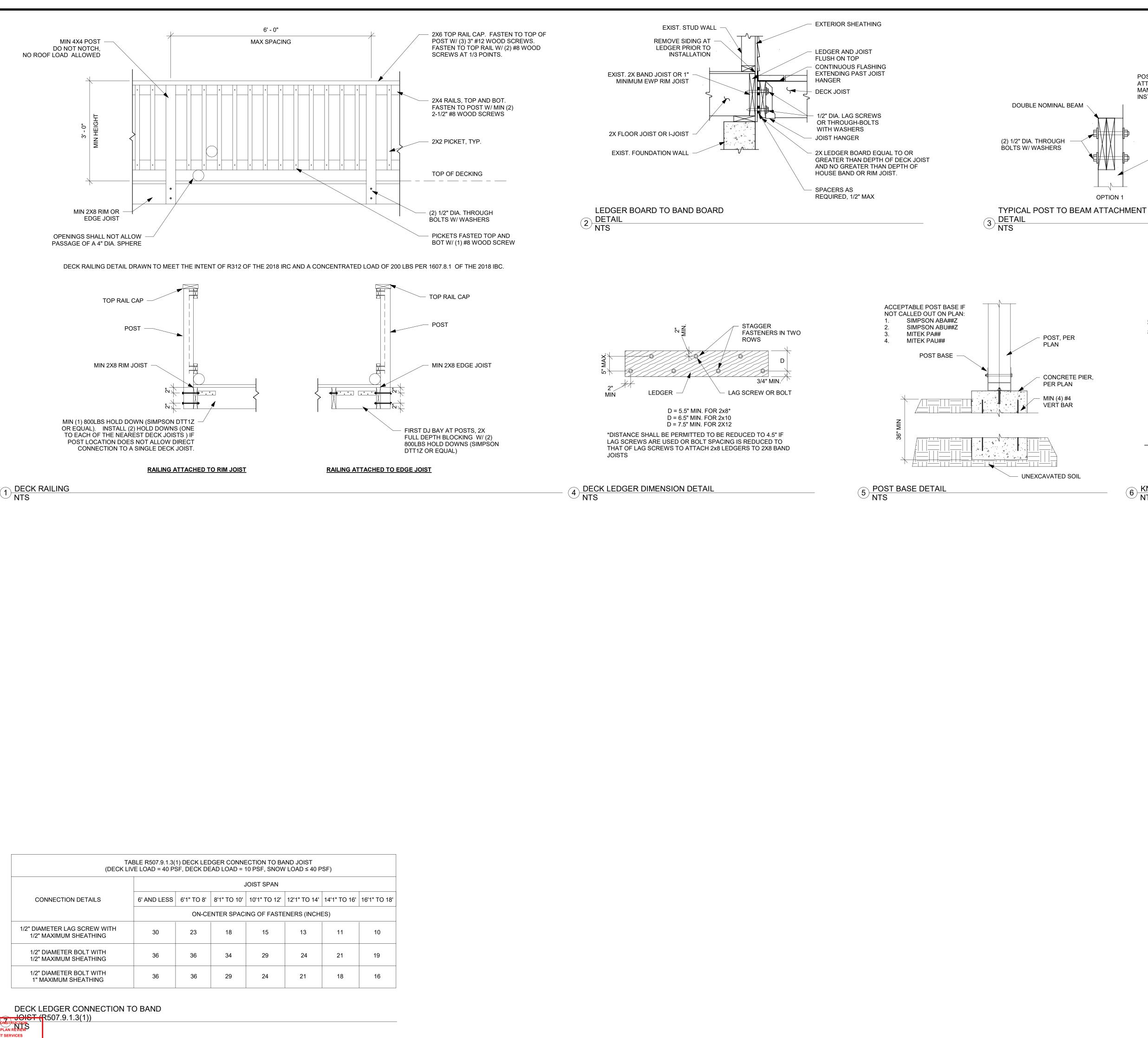


DATE

SCALE

As indicated



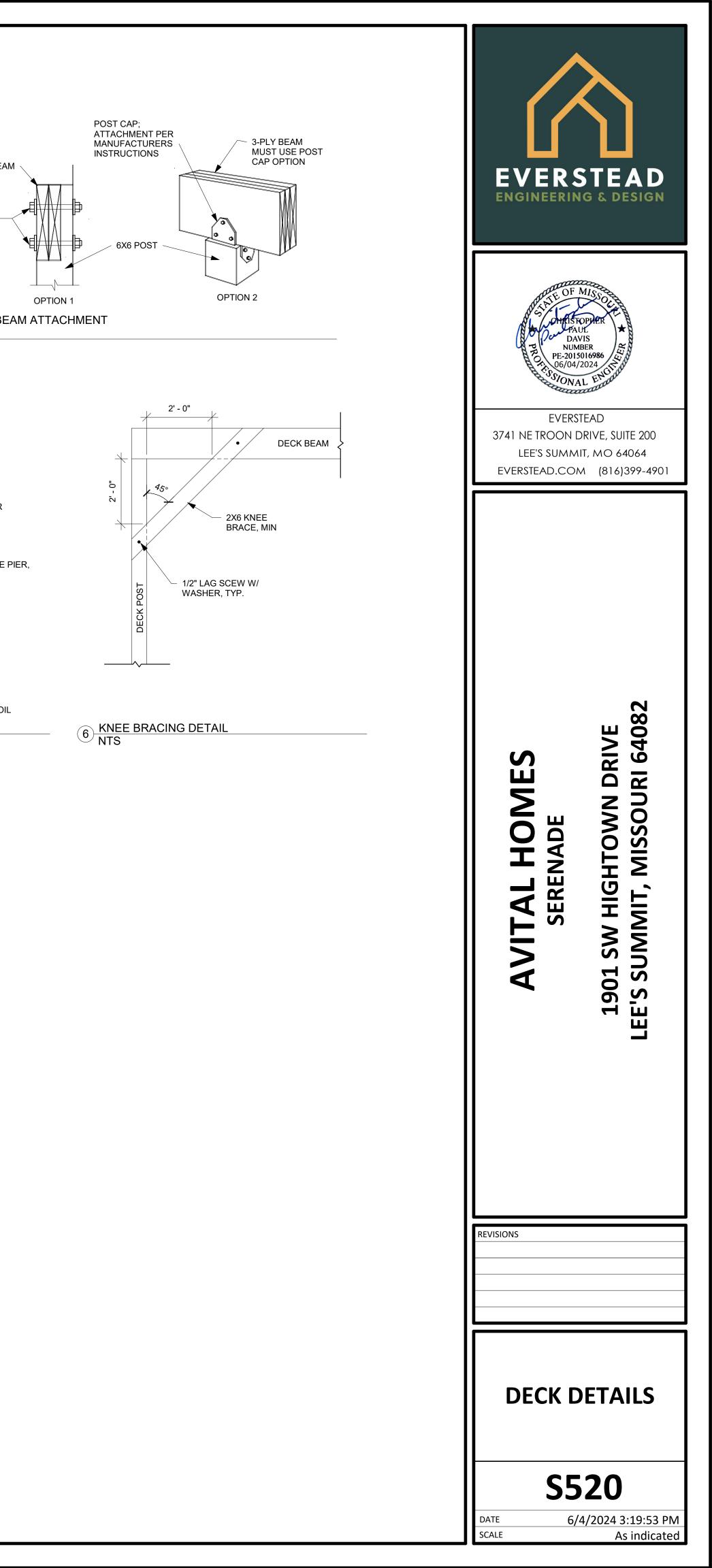


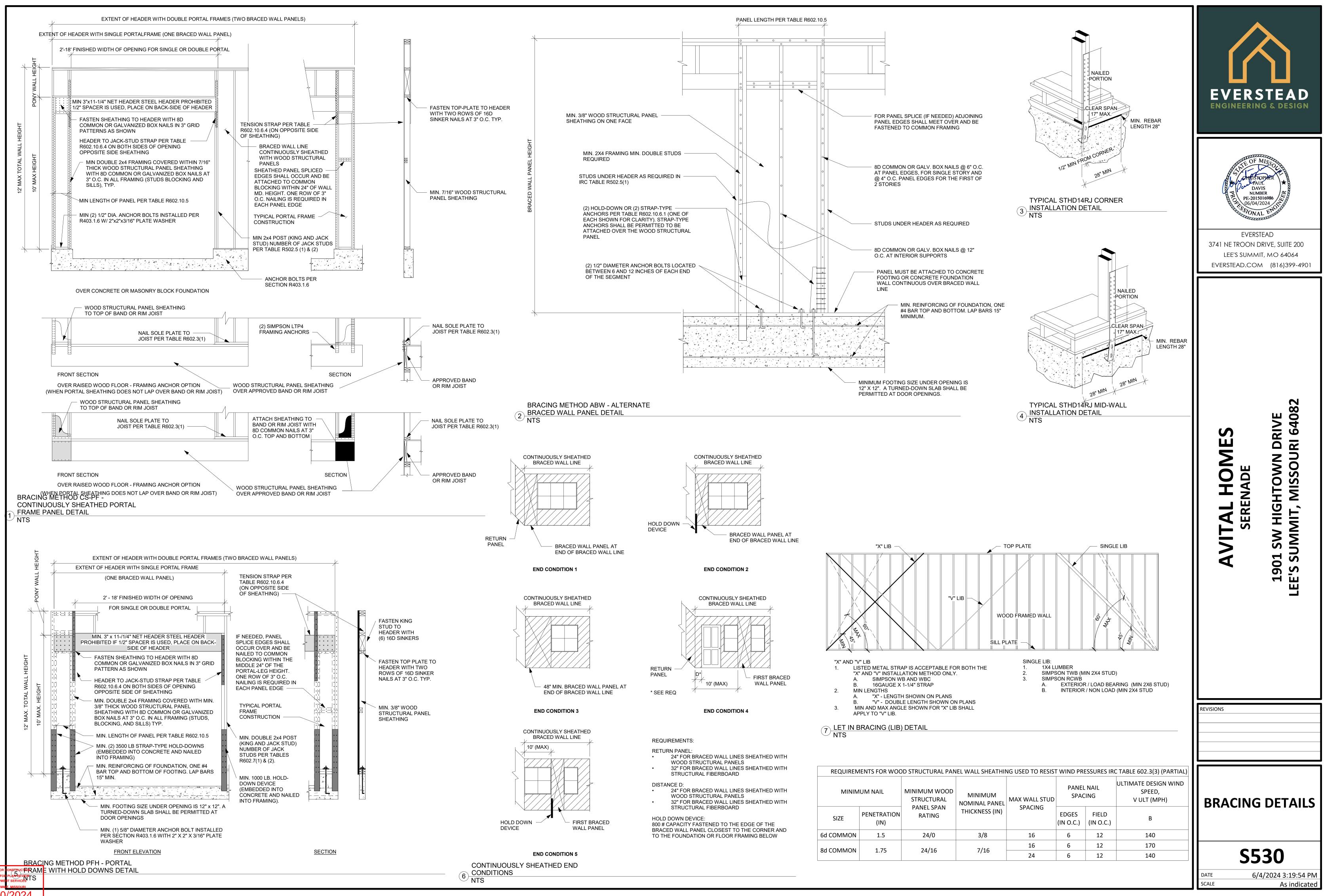
DEVELO LEE'S S

06/10/2024

RELEASE FO

AS NOTED





06/10/2024

RELEASE

AS NOTE DEVEL

		CONNECTION CRI	TERIA	
METHODS, MATERIAL	MINIMUM 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 (THIS PAGE	
PFG - PORTAL FRAME AT GARAGE	3/8"	SEE IRC SECTION R602.10.6.3	SEE IRC SECTIO R602.10.6.3	
LIB LET-IN-BRACING	1x4 WOOD OR APPROVED METAL	WOOD: 2-8d COMMON NAILS OR 3-8d (2-1/2" LONG x .113" DIA.) NAILS	WOOD: PER ST AND TOP AND BOTTOM PLATE	
	STRAPS AT 45 TO 60 DEGREE ANGLES FOR MAX 16" STUD SPACING	SIMPSON WB/WBC INSTALLED IN "X" PAIRS OR IN OPPOSING "V" FASHION AND FASTENED W/ (2) 16d COMMON NAILS FOR PLATE AND (1) 8d COMMON NAIL FOR STUDS	METAL: PER ST AND TOP ANE BOTTOM PLATE	
		1/2" INTERIOR SHEATHING W/ STUDS AT 16" O.C.: 13 GAGE, 1-3/8" LONG, 19/64" HEAD; .098" DIA., 1-1/4" LONG, ANNULAR-RINGED; 5d COOLER NAIL, .086" DIA., 1-5/8" LONG, 15/64" HEAD; OR GYPSUM BOARD NAIL, .086" DIA. 1-5/8" LONG, 9/32" HEAD PER TABLE R702.3.5 (SEE TABLE FOR OTHER PANEL THICKNESS OPTIONS)	FOR ALL BRACI WALL PANEL	
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: EDGES (INCLUDING T AND BOTTO PLATES) 7" FIE	
		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	
BLOCKING BETWEEN JOISTS	ROOF 4-8d BOX (2-1/2"x0.113") OR 3-8d COMMON (2-1/2"x0.131") OR	TOE NAIL	JOIST TO SILL, TOP PLATE, OR	FLOOR 4-8d BOX (2-1/2"x0.113") OR 3-8d COMMON (2-1/2"x0.131") OR			
OR RAFTERS TO TOP PLATE	3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS		GIRDER	3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS		TOE NAIL	
CEILING JOISTS TO PLATE	4-8d BOX (2-1/2"x0.131") OR 3-8d COMMON (2-1/2"x0.131") OR	TOE NAIL	RIM JOIST, BAND JOIST OR BLOCKING TO SILL OR TOP PLATE	8d BOX (2-1/2"x0.113")	4" O.C.	TOE NAIL	
	3-10 BOX (3"x0.128") OR 3-3"x0.131" NAILS		(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 ANI	D 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	ENI) 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 ENI	ER AS FOLLOWS: 32 D AND BOTTOM AND GGERED.	
	WALL		BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS	10d BOX (3"x0.128") OR 3"x0.131" NAIL	BOTTOM STAGE	NAIL AT TOP AND ERED ON OPPOSITI	
STUD TO STUD (NOT	16d COMMON (3-1/2"x0.162")	24" O.C. FACE NAIL		AND:		SIDES	
AT BRACED WALL PANELS) STUD TO STUD AND ABUTTING	10d BOX (3"x0.128") OR 3"x0.131" NAIL	16" O.C. FACE NAIL		2-20d COMMON (4"x0.192") OR 3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS		ENDS AND AT EACH PLICE	
STUDS AT INTERSECTION WALL CORNERS	16d BOX (3-1/2"x0.135") OR 3"x0.131" NAIL	12" O.C. FACE NAIL	LEDGER STRIP SUPPORTING	4-16d BOX (3-1/2"x0.135") OR 3-16d COMMON (3-1/2"x0.162") OR	AT EACH JOIST OR RAFTER, FACE		
(AT BRACED WALL PANELS)	16d COMMON (3-1/2"x0.162")	16" O.C. FACE NAIL	JOISTS OR RAFTERS	4-10d BOX (3"x0.128") OR 4-3"x0.131" NAILS	EACH END, TOE NAIL		
BUILT-UP HEADER, TWO PIECES WITH 1/2" SPACER	16d COMMON (3-1/2"x0.162")		BRIDGING OR BLOCKING TO JOIST	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		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)	
	16d COMMON (3-1/2"x0.162")	16" O.C. FACE NAIL	F	ELS, SUBFLOOR, ROOF AND INTERIOR WALL SH PARTICLEBOARD WALL SHEATHING TO FRAMIN OOD STRUCTURAL PANEL EXTERIOR WALL SH	NG		
TOP PLATE TO TOP PLATE	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 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 4-3"x0.131" NAILS	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 EACH 16" O.C. FACE NAIL		OTHER WALL SHEATHING 1-1/2" GALVANIZED ROOFING NAIL, 7/16"			
	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 4-3"x0.131" NAILS	TOE NAIL	1/2" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	HEAD DIAMETER OR 1-1/4" LONG 16 GA. STAPLE WITH 7/16" OR 1" CROWN	3	6	
TOP OR BOTTOM PLATE TO STUD	3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162") OR	END NAIL	25/32" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	1-3/4" GALVANIZED ROOFING NAIL, 7/16" HEAD DIAMETER OR 1-1/2" LONG 16 GA. STAPLE WITH 7/16" OR 1" CROWN	3	6	
	3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS 3-10d BOX (3"x0.128") OR		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, TYPE "W" OR "S"	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	PANELS, COMBINATION SUBFLOOR UNDERLA	YMENT TO FRAMIN	G	
1"x6" SHEATHING TO EACH BEARING	3-8d BOX (2-1/2"x0.113") OR 2-8d COMMON (2-1/2"x0.131") OR 2-10d BOX (3"x0.128") OR 2 STAPLES, 1" CROWN, 16 GA., 1-3/4" LONG	FACE NAIL	3/4" AND LESS	6d DEFORMED (2"x0.120") NAIL OR 8d COMMON (2-1/2"x0.131") NAIL	6	12	
1"x8" AND WIDER SHEATHINGTO	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	



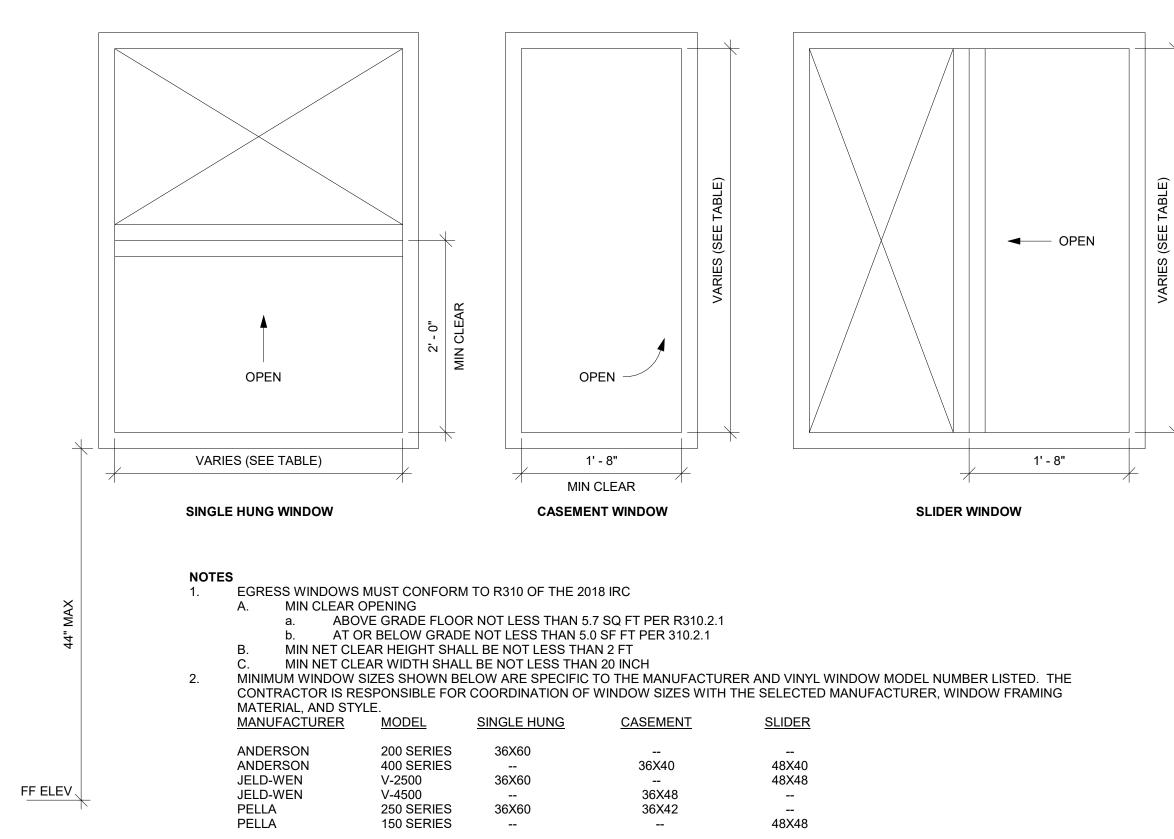
GENERAL NOTES

Α.

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

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
. ,		

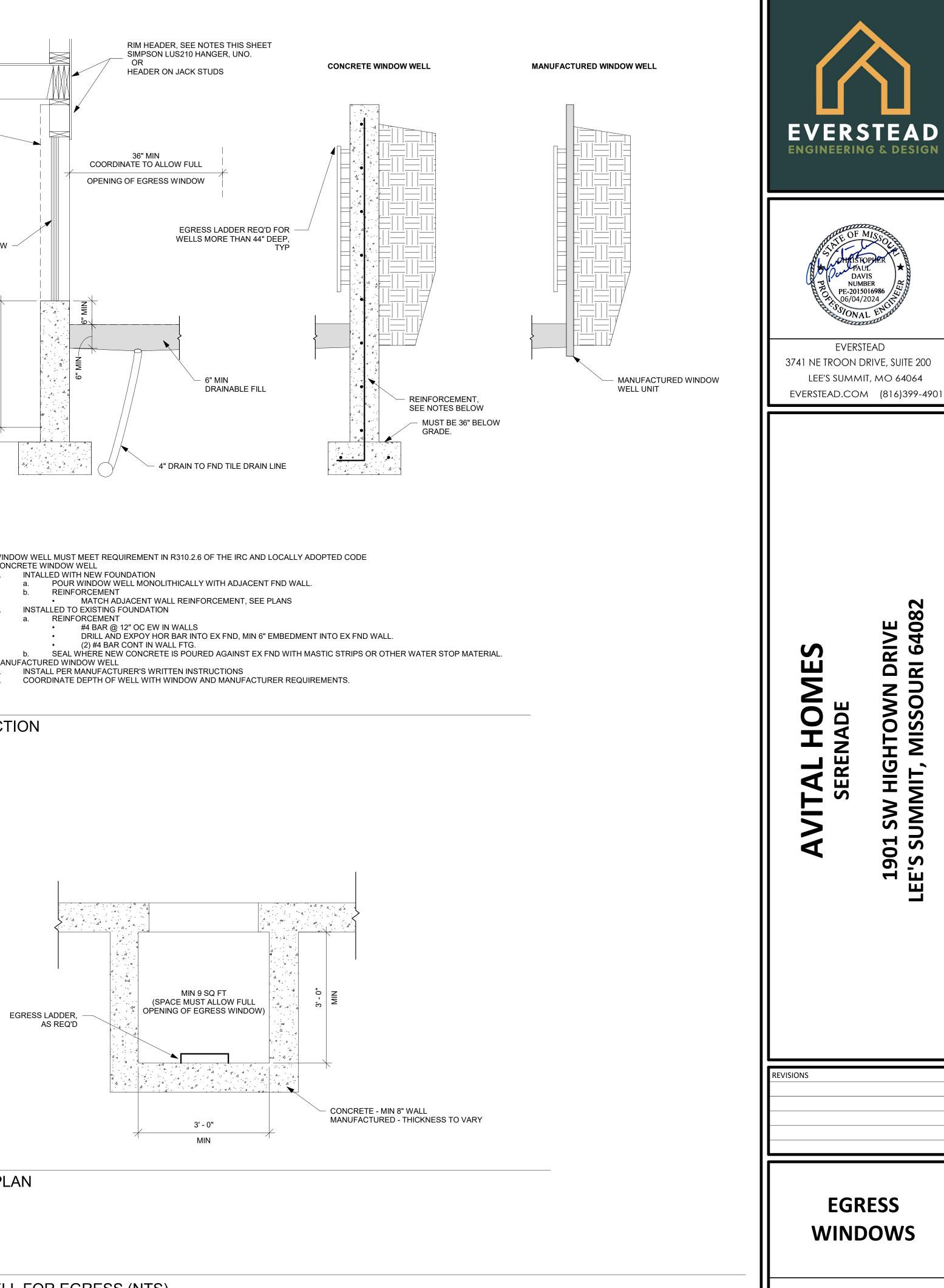


WINDOW EGRESS (NTS)

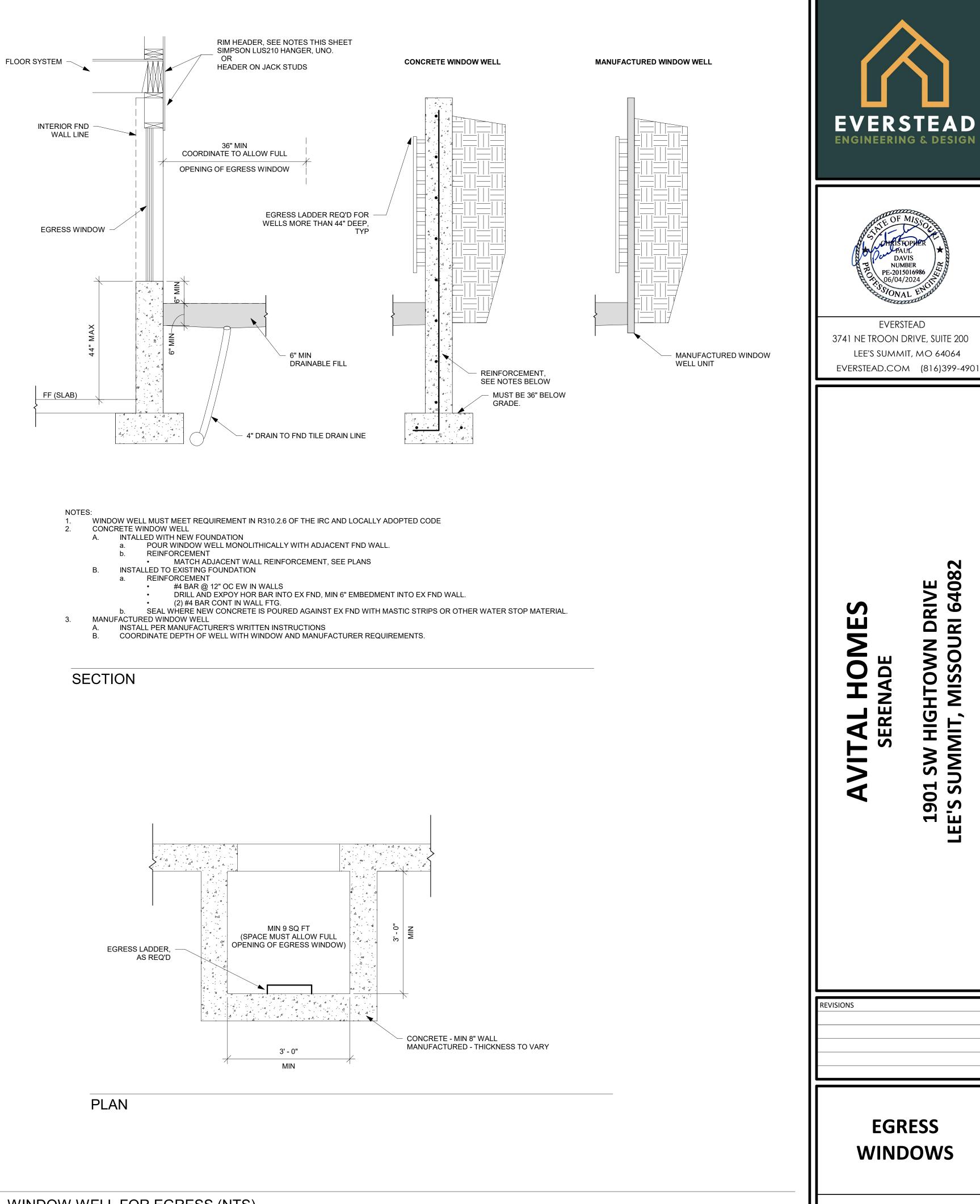
RELEASE FOR ISTRUCTION AS NOTED FOR LAN REVIEW DEVELOP ERVICES LEE'S SU 06/10/2024

WINDOW WELL FOR EGRESS (NTS)





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



DATE

SCALE

6/4/2024 3:19:54 PM As indicated