

NG SQUARE FOOTAGE (SQFT)		
D SPACE TOTAL	1420	
TAL (SQ FT)	1420	
IONED SPACE TOTAL	1372	
	469	
	30	
TOTAL (SQ FT)	1050	

G/OUTLET PLAN
AN
TION DETAILS
/SLAB DETAILS
STANDARDS
TAILS
DETAILS
NG SCHEDULE
WINDOWS

SCALE

As indicated

#### **GENERAL PLAN NOTES**

- ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APPLICABLE.
- ALL DIMENSIONS ARE FROM FACE OF STUD U.N.O.
- MINIMUM DOUBLE JOIST UNDER INTERIOR NON-LOAD BEARING WALLS. CANTILEVERS, OVER BEAMS, AND DOOR JAMBS SHALL BE BLOCKED.
- CEILING JOISTS SHALL BE 2x6 @ 16" O.C. U.N.O.
- WALL CONSTRUCTION SHALL BE CAPABLE OF ACCOMMODATING ALL 6 LOADS IMPOSED ACCORDING TO IRC R301.
- EXTERIOR WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH IRC 7.
- 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. 10.
- SOLID BLOCKING BETWEEN JOISTS AT 48" O.C. AND EXTEND BLOCKING ONE JOIST BAY PAST EACH SIDE OF KITCHEN ISLAND 11 DOUBLE JOIST UNDER KITCHEN ISLAND AND TUBS
- 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-PF PER IRC R602.10.6.4
	BRACING CS-WSP PER IRC R602.10
E22222222222	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

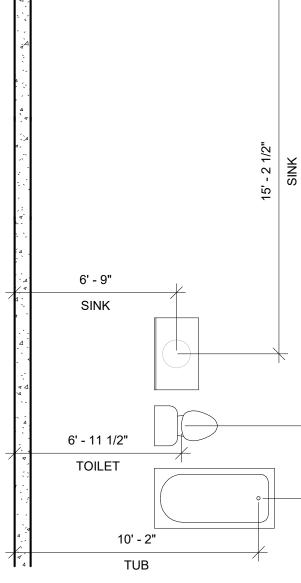
#### LOWER LEVEL DOOR SCHEDULE Type Mark Count Locations 2'4"/6'8" <varies> 2'6"/6'8" Bedrooms 3'0"/6'8" Storage/Mech Casements 3'0"/6'8"CO 5'0"/6'8"PATIO Patio Door

	LOWE	R LEVEL WII	NDOW SCHEDULE
(	Count	Type Mark	Comments
3		5'0"/4'0"SL	Window-Sliding-Double

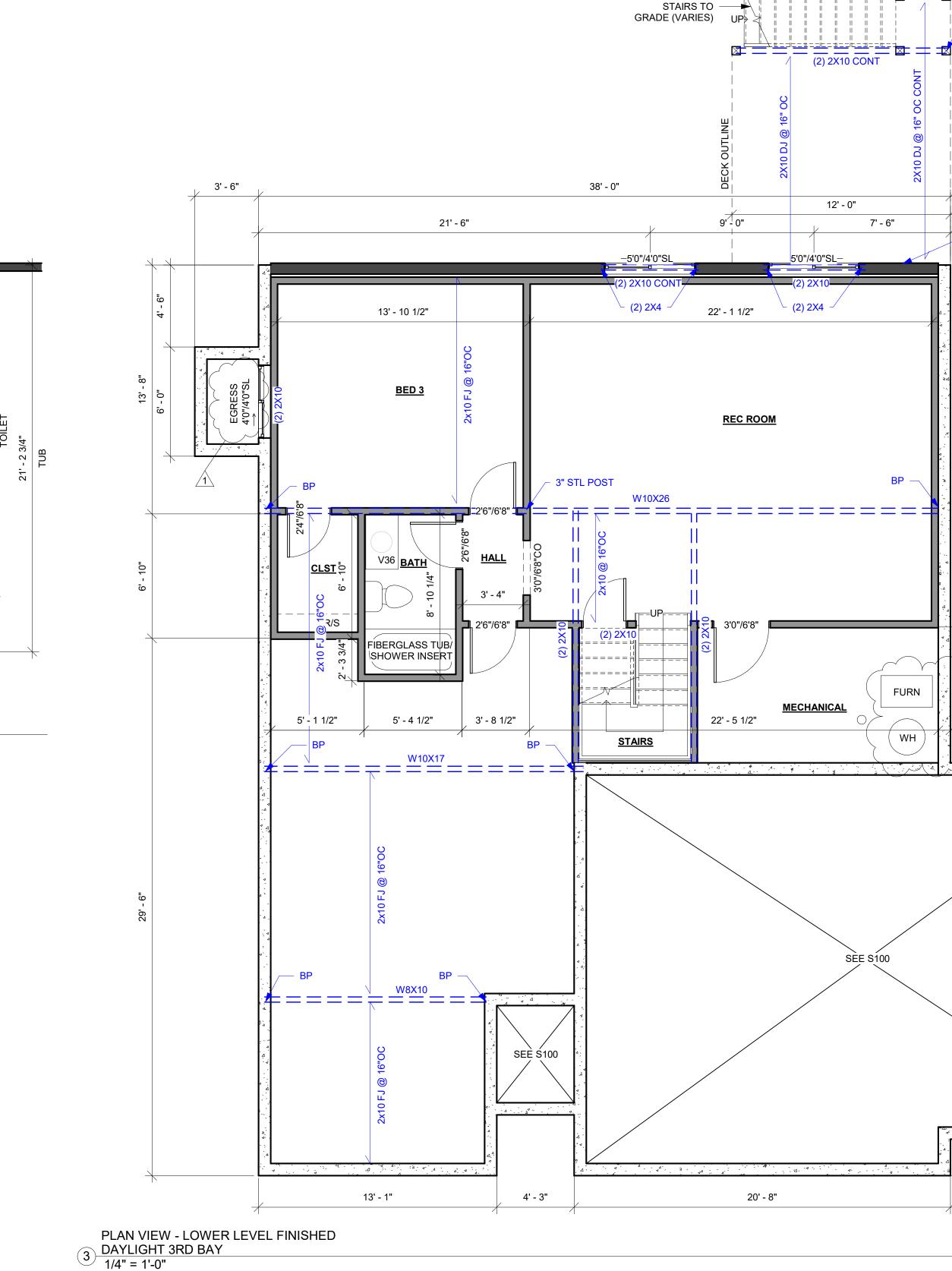
WALL LEGENI	D - NEW CONSTRUCTION
	FOUNDATION WALL
	NEW INTERIOR PARTITION
	NEW EXTERIOR WALL

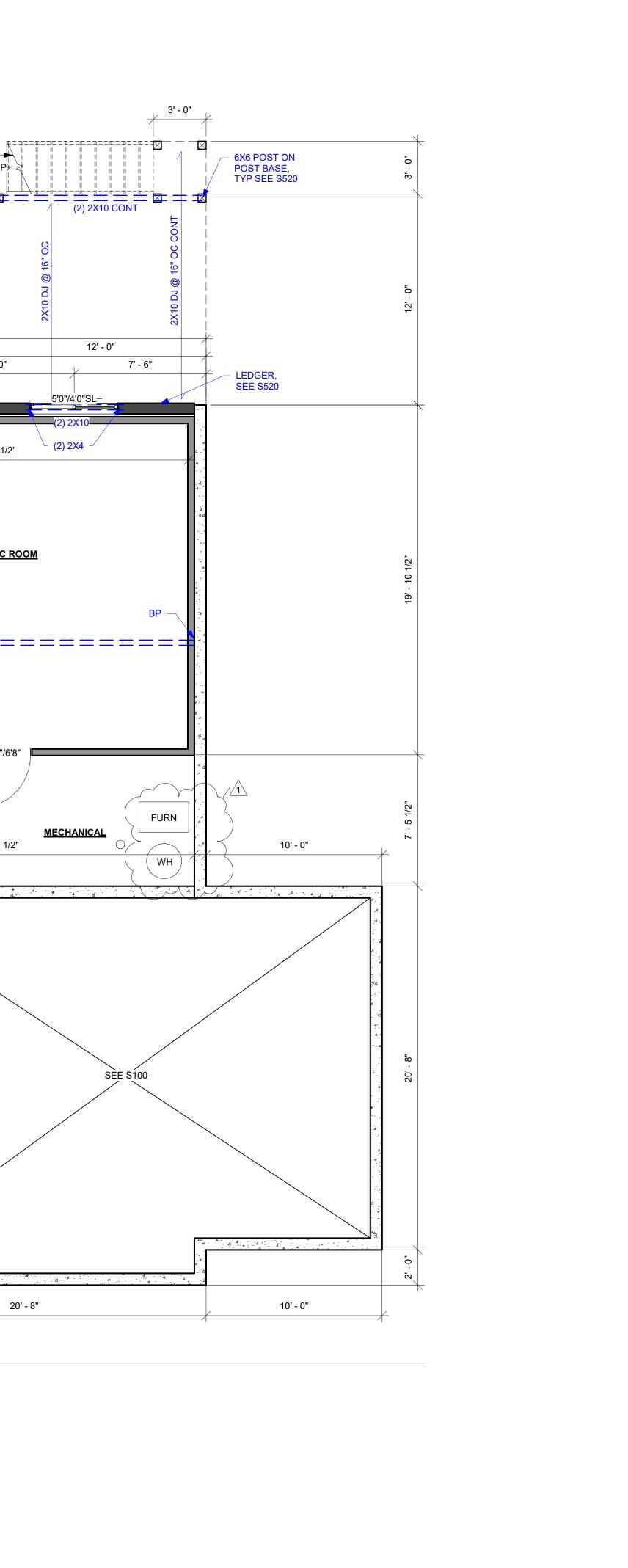
**CONSTRUCTION NOTES - NEW CONSTRUCTION** 

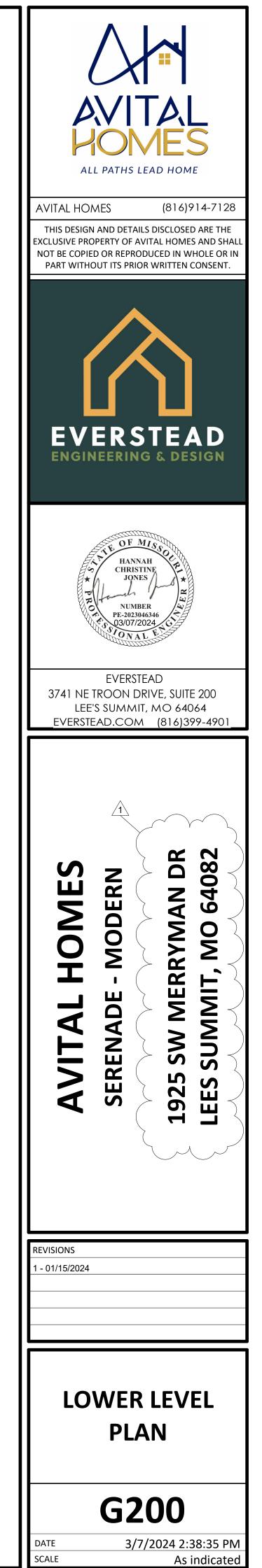
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- ALL STRUCTURAL BEAMS ARE MEASURED TO
- THE CENTER OF THE MEMBER. DOORS AND WINDOWS ARE TAGGED IN FEET
- AND INCHES.
- VANITIES ARE TAGGED IN INCHES. ALL CRITICAL DIMENSIONS TO BE FIELD
- VERIFIED BY CONTRACTOR.
- ALL TOILETS TO BE INSTALLED WITH 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.











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INTERIOR LOAD BEARING WALL

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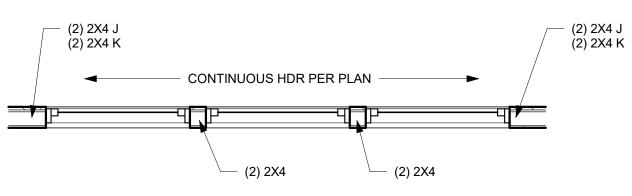
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### **BRACING METHODS**

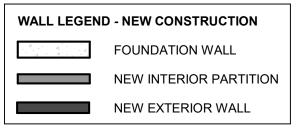
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- BRACING CS-WSP PER IRC R602.10

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

BRACING PFH PER IRC R602.10.6.2



3 <u>TYP 3-WINDOW FRAMING</u> 1/2" = 1'-0"



**CONSTRUCTION NOTES - NEW CONSTRUCTION** 

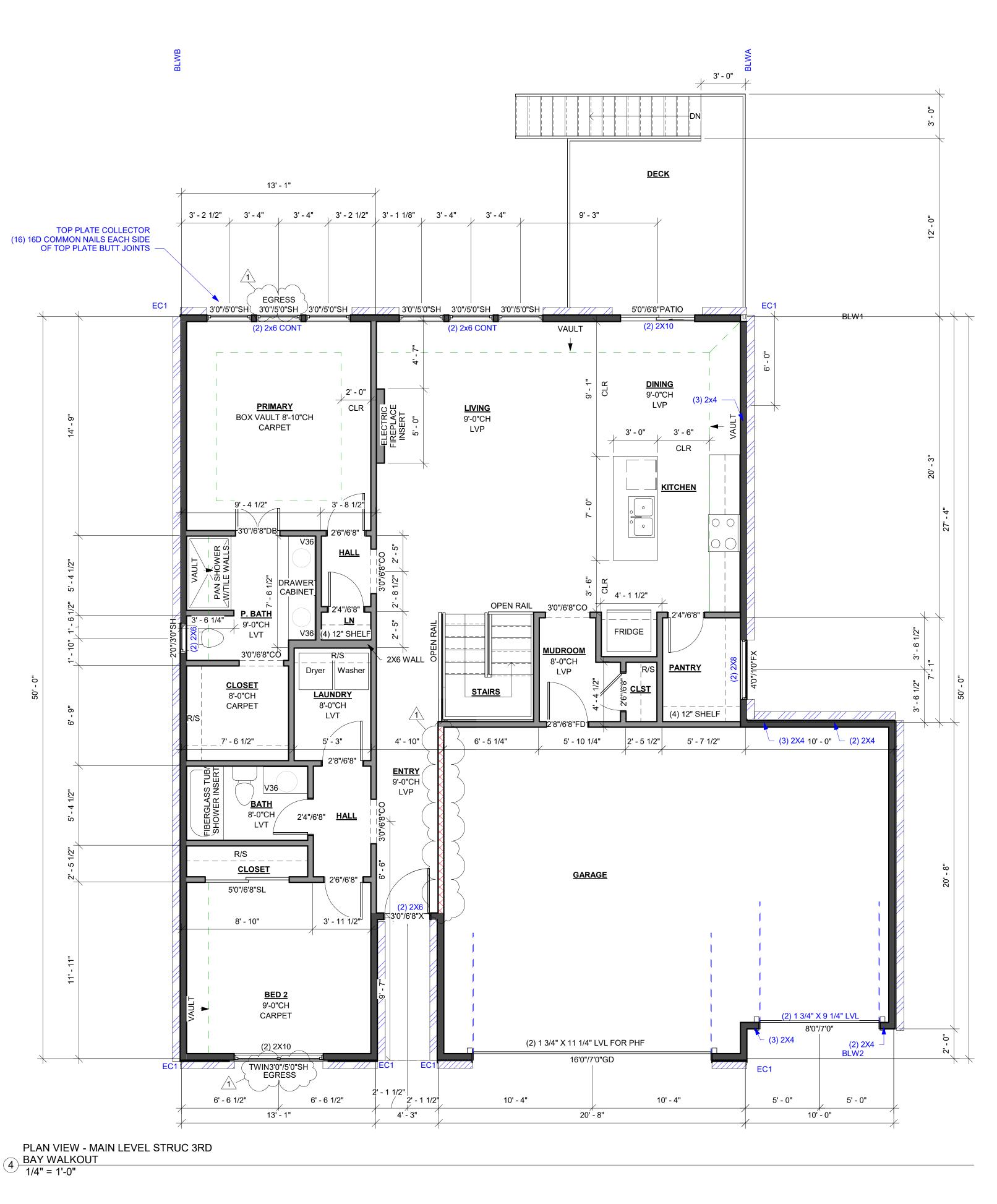
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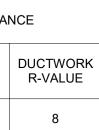
	MAIN LEVEL DC	OR SCHEDULE
Count	Type Mark	Locations
3	2'4"/6'8"	<varies></varies>
3	2'6"/6'8"	BEDROOMS
1	2'8"/6'8"	LAUNDRY
1	2'8"/6'8"FD	GARAGE ENTRY
4	3'0"/6'8"CO	CASEMENTS
1	3'0"/6'8"DB	P.BATH
1	3'0"/6'8"X	FRONT ENTRY
1	5'0"/6'8"PATIO	DINING EXTERIOR DOOR
1	5'0"/6'8"SL	CLOSETS

		MAIN LEVEL W	INDOW 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 SHGC	CEILING AND ATTICS R-VALUE	VAULTS R-VALUE	WOOD FRAME WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE & DEPTH	CRAWL SPACE WALL R-VALUE
4 EXCEPT MARINE	.32	.55	.40	49	49	20 OR 13+5H	19	10/13	10, 2 FT	10/13

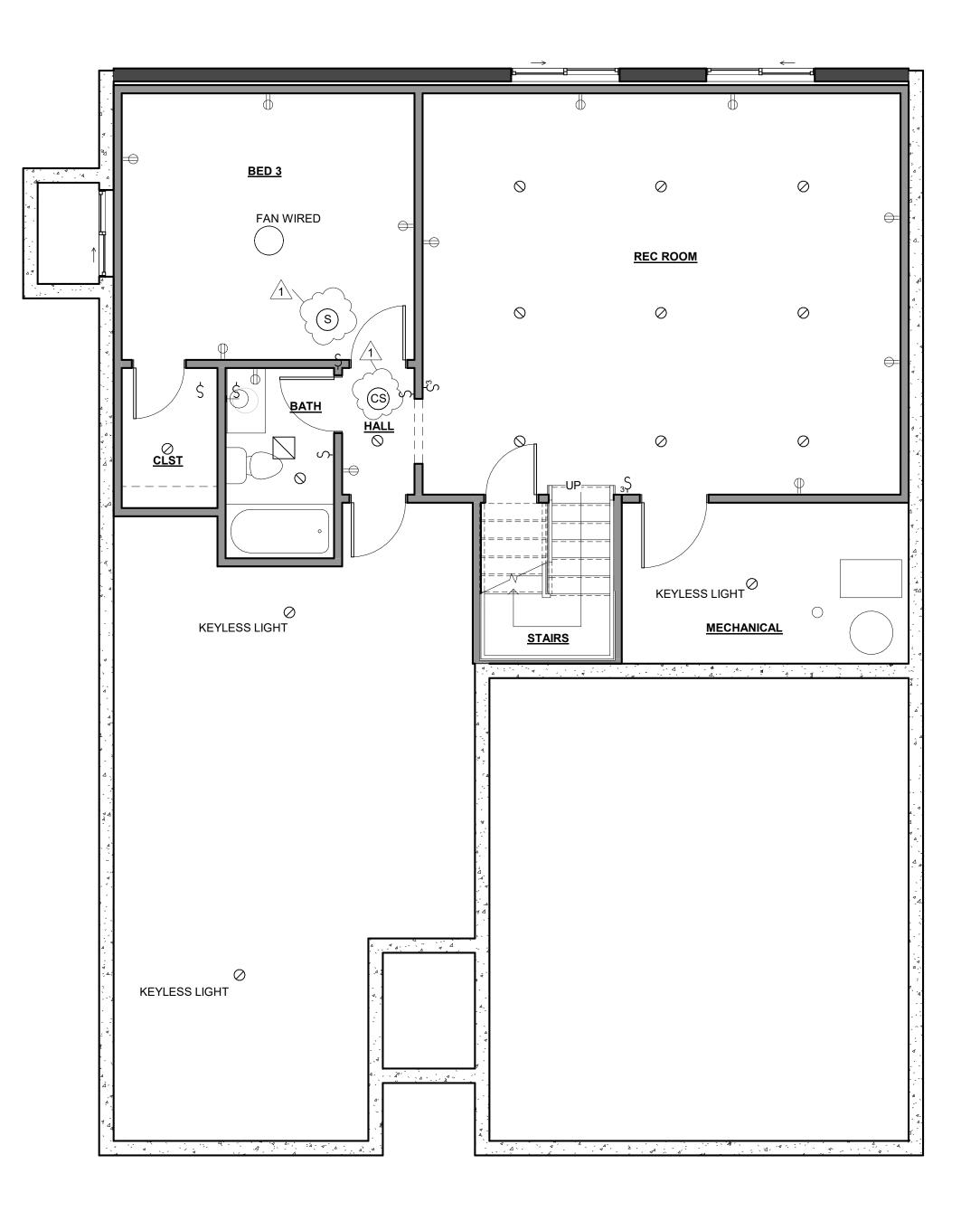




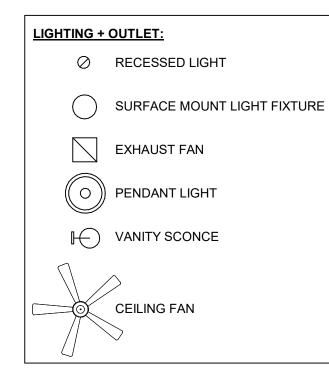


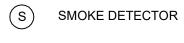


PLAN VIEW - MAIN LEVEL 3RD BAY 1 LIGHTING/OUTLET 1/4" = 1'-0"

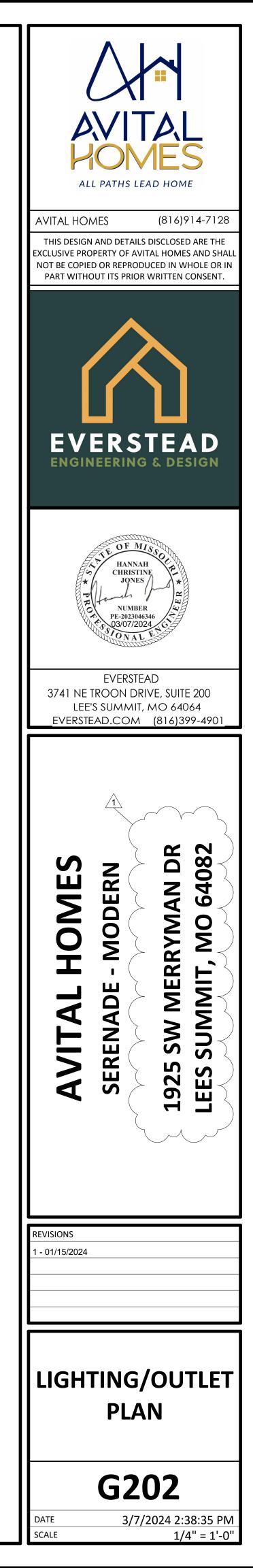


PLAN VIEW - OPT LOWER LEVEL 3 FINISHED WALKOUT LIGHTING/OUTLET 1/4" = 1'-0"

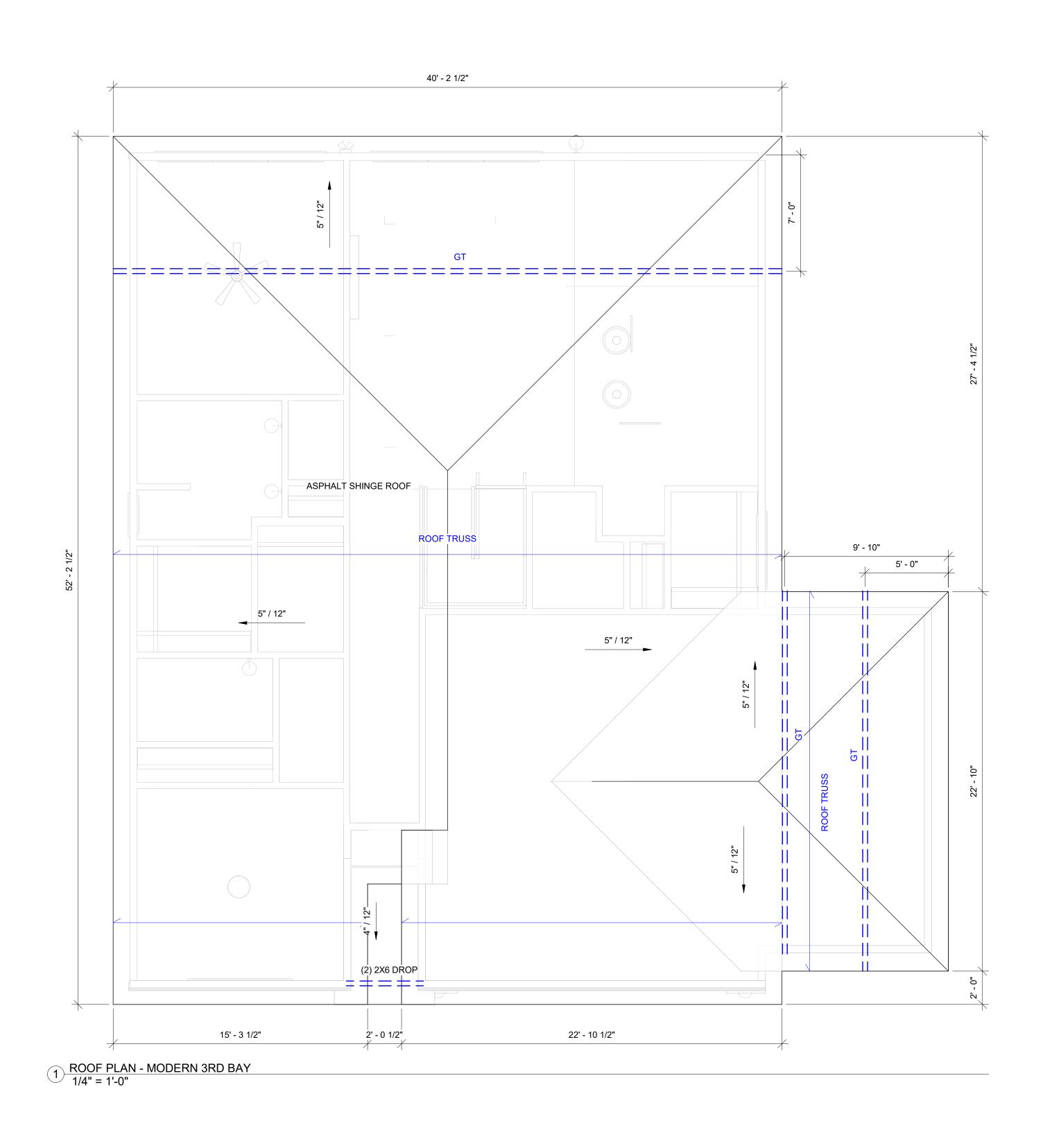


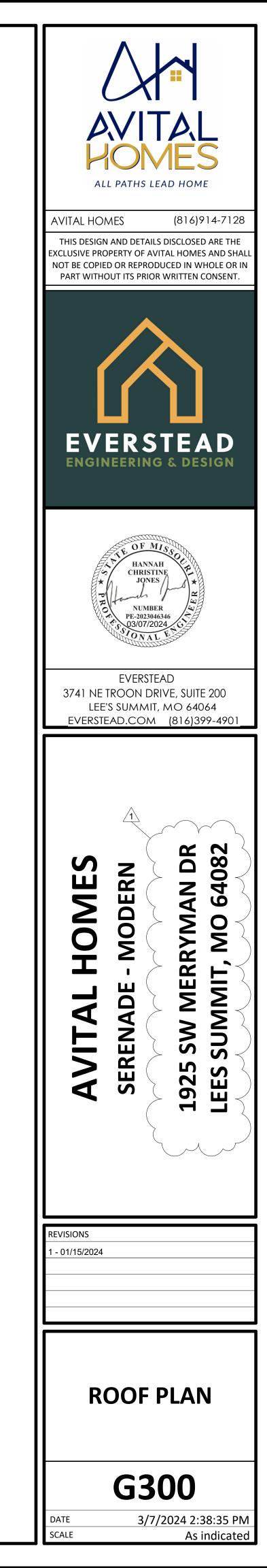


- CS CARBON/SMOKE DETECTOR
- $\bigoplus$  DUPLEX RECPTICAL
- Single way switch
- $S_{3}$  TWO WAY SWITCH



- **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
- TRUŜŚ, UNLESŜ ÓTHERWISE NOTED.
- ROOF COVERING SHALL BE ASPHALT SHINGLES AND SHALL COMPLY WITH IRC 2018 6. 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)





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

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

SUSPENDED SLABS

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

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

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

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

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

ALL TEACHED LUMBER SIZES ARE DOUGLAS FIRELARCH 2 UNLESS OTHERWISE NOTE:     ALL UNARRED HEADERS SHALL BE A MINIMUM OF 2253 ARE 27 TREATED SOUTHERN YELLOY     PRAFTINGED AND ALL READERS SHALL BE A MINIMUM AZ DOUGLAS FIRELARCH (2) 2010 ON LOAD     BEARING YALLS     ALL HEADERRED HEADERS ON ALL READERS IN ACCORDANCE WITHING YALLS REAZES     DOUGLE JOST UNDER PARALLEL INTERON RON-LOAD BEARING WALLS.     DOUGLE JOST UNDER PARALLEL INTERON RON-LOAD BEARING WALLS.     DOUGLE JOST UNDER PARALLEL INTERON RON-LOAD BEARING WALLS.     CAMTLEYERS, OVER BEARING NON DOOR JAMBS SHALL BE DOCKED.     ANY WOOD MEMBER IN CONTACT WITH CONCINETE ON MACONY (OR THE FURRING THEY A     MISAGINA WALLS STUDY WHEN ARE NOT MORE THAN 100.07 FEET IN LENGTH SHALL BE     SECONTON AND SHALL BE OF BEARING THE ARA ROL OF HEAD IN THE FURRING THEY A     MISAGINAL INSINGER OR REGISTRET AT ALTIVO     SECONTON AND SHALL BE DOCKED.     ALL WOOD STRUCTURAL PARES SHALL CONFORM TO THE MUST CORRECT IN AND OFFICIAL ROL     SECONTON AND SHALL BE STRUCTURAL PARES SHALL CONFORM TO HEAD IN THE FURRING THEY A     PROFESSIONAL INNERSES OF BEAR ROL ROLL TO INSIT OFFICIAL PARES IN THAN 100.000 STRUCTURAL INVESSION OF THE AND OFFICIAL ROLE IN THE RULE OF THE ARAMETER THAN 100.000 STRUCTURAL INVESSION OF THE RULE OFFICIAL PARES SHALL BE STRUCTURAL INFORMATION OF THE RULE OFFICIAL PARES SHALL SHALL ON THE RULE OF THE RULE OFFICIAL PARES INTO THE ARAMETER INFORMATION OF THE RULE OFFICIAL PARES SHALL SHALL ON THE RULE OFFICIAL INFORMATION OF THE RULE OFFICIAL PARES SHALL SHALL ON THE RULE OFFICIAL PARES SHALL SHA		MING NOTES			
<ul> <li>PALL LUMMED PEADERS SHALLE AMMINUM 12 DOUGLAS TRU-LARCH (2) 2X10 ON LOAD BEARING WALLS.</li> <li>ALL LERENGENDAS TO DER YOM A LUMMINUM OF (2) XM LARCK CTUDE INFO. KING STUDS SHALL BE PROVIDED AT ALL HEADERS IN ACCORDANCE WITH HIG TABLE ROLZ 7.8.</li> <li>DOUBLE JOST LINGER PARALLEL, INTERON NON-LOAD BEARING WALLS.</li> <li>CAMILEYEN, OVER BEARD AND DOORL ANDES SHALLE BELCEDED.</li> <li>ANY WOOD MEMBERS IN CONTACT WITH CONDERTE ON MACONINY (OR THE FURRING THEY A MAY WOOD MEMBERS IN CONTACT WITH CONDERTE ON ARCONNY (OR THE FURRING THEY A MAY WOOD MEMBERS IN CONTACT WITH CONDERTE ON ARCONNY (OR THE FURRING THEY A MAY WOOD MEMBERS IN CONTACT WITH CONDERTE ON ARCONNY (OR THE FURRING THEY A MAY WOOD MEMBERS IN CONTACT WITH CONDERTE ON ARCONNY (OR THE FURRING THEY A MAY WOOD MEMBERS IN CONTACT WITH CONDERTE ON ARCONNY (OR THE FURRING THEY A MAY WOOD STRUCTURAL PARELS SHALL CONTONN TO THE MAY THE PART HAPUCABLE SPECTRO YA A MAY WOOD STRUCTURAL PARELS SHALL CONTONN TO THE MAY THE PAREL LIFE OTH FURRING THEY A MAY WOOD STRUCTURAL PARELS SHALL BE STRUCTURAL CONTONN TO THE MAY THAT THEY ARE LIFE OTH FURRING AND STRUCTURAL PARELS SHALL CONTONN TO THE MAY THAT THEY ARE ALL WOOD STRUCTURAL PARELS SHALL DEST HEND ON PAREL PAREL ARCH 120 (DR MAY THAT THAT THEY AND AND SHALL BE STRUCTURAL DATA CONTACT WITH MAY THEY GRAD THAT THAT THAT THAT THAT THAT THAT TH</li></ul>	•				
BERNING WALLS.           ALL HEADERBEARD TO BEAR ON A MINIHUM OF CJ 2X4 JACK STUDS INNO, KING STUDS           SHALL BE PROVIDED AT ALL HEADERS IN ACCORDANCE WITH HIGT TABLE RESTS.           DOUBLE JOIST UNDER PRANLLEL INTERIOR NON-LOAD BEARING WALLS.           CANTLEVERS. OVER BEARS AND DOOR JAMES SHALL BE BLOCK.           ANY WOOD MEMBERIN CONTACT WITH CONCRETE ON NASONIY (OR THE FURHING THEY ATT ANY WOOD MEMBERIN CONTACT WITH CONCRETE ON NASONIY (OR THE FURHING THEY ATT ANY WOOD MEMBERIN CONTACT WITH CONCRETE ON NASONIY (OR THE FURHING THEY ATT ANY WOOD MEMBERIN CONTACT WITH ACCORDER TO STUDE AND STUDE THAN TO THE CONTREPORT ON STUDE TABLE RESP. 38() OTHER CONTACT WITH ACCORDER TO STUDE AND STUDE THAN TO THE CONTREPORT ON THE ANY THE SHALL BE DESIGNED BY A THREE STADDER TO STUDE AND RELEASED AND AND STUDE TO STUDE AND STUDE TO STUDE AND RELEASED AND AND STRUCTURE. FURTHER AND AND STRUCTURE AND AND STRUCTURE AND AND STRUCTURE AND AND STRUCTURE AND	•	PINE UNLESS OTHERWISE	NOTED.		
<ul> <li>SHALL BE PROVIDED AT ALL PRACESS IN ACCORDANCE WITH INC TABLE RB327.5.</li> <li>DOUBLE JOST UNDER PARALLEL INTERIOR NON-LOAD BEARING WALLS.</li> <li>CANTLEVERS, OVER BEAMS AND DOOR JAMBS SHALL BE BLOCKED.</li> <li>ANY WOOD MEMBER IN CONTACT WITH CONCRETE OR MASONRY (OR THE FURRING THEY A TACKED TO SHALL BE OF DECAY RESISTANT MATERIAL.</li> <li>IN AFADINA WALLS, STUDIA WINEN AND TWORP THAN 10.0" FETT IN LENGTH THE CORREPORTING SIZE. THOSE STUDIA SECTION OF STRUCTURAL PANELS SHALL CONTORN TO THE MAST THE ORDER DOWN OF SUEE THOSE STUDIA SECTION AND SUPPL DEVENTS OF THE ARACHTECT.</li> <li>ALL WOOD STRUCTURAL PANELS SHALL CONTORN TO THE MOST CURRENT APPLICABLE SECTION AND SUPPL DEVENTS OF THE ARACHTECT.</li> <li>ALL WOOD STRUCTURAL PANELS SHALL CONTORN TO THE MOST CURRENT APPLICABLE SECTION AND SUPPL DEVENTS OF THE ARACHTECT.</li> <li>ALL WOOD STRUCTURAL PANELS SHALL ESTAGOSERED ON HALF PAREL LENDT FROM WEDGES TO BE CONTINUOUS STRUCTURAL PANELS.</li> <li>ALL STRUCTURAL FRANKE HEARTRS SHALL BE ARACHTECT.</li> <li>ALL WOOD STRUCTURAL FRANKE HEARTRS SHALL BE ARACHTECT.</li> <li>ALL STRUCTURAL FRANKE HEARTRS SHALL BE ARACHTECT.</li> <li>DATE BOOT DOBE SUPPLIES THE DOBE CONDEL DOUGLES OF PLATE THE THE THE THE THE THE PLATE THE PLATE THE THE THE PLATE THE PLA</li></ul>	•	BEARING WALLS.			
<ul> <li>CANTILEVERS. OVER BEAMS AND DOOR JAMES SHALL BE BLOCKED.</li> <li>ANY WOOD MEMBERIN CONTROL WITH CONCRETE OR MASONRY (OR THE PURRING THEY A ATTACHED IN SHALL BE OLEGAN RESISTANT MATERIAL.</li> <li>IN INFARING WALLS STUDIES WINCH ARE NOT MORE THAN 100° FEET IN LENGT THE CORRESPONDED IS SUCE TO SUCE STUDIES STUDIES AND RESOLUTION OF THAN 100° FEET IN LENGT THE ANALON AND SUPERIES OF THE ANALON OF FEET IN LENGT THE ANALON AND SUPERIES OF THE ANALON OF FEET IN LENGT THE ANALON AND SUPERIES OF THE ANALON OF FEET IN LENGT THE ANALON AND SUPERIES OF THE ANALON OF THE CORRESPONDED IS SUPERIES AND THE ANALON OF THE CORRESPONDED IS SUPERIES OF THE ANALON OF THE CORRESPONDED IS SUPERIES AND THE ANALON OF THE CORRESPONDED IS TRUCTURAL PAREL ENSTRUMENT OF THE ANALON AND SUPERIES OF THE ANALON AND SUPERIES OF THE ANALON AND SUPERIES AND AND AND AND AND AND AND AND AND AND</li></ul>	•				
<ul> <li>ANY WOOD MEMBER IN CONTACT WITH CONCRETE ON MASCHARY (OR THE FURRING THEY A TATACHED TO SHALL BE CONCRESSION THAT MATTRAIN.</li> <li>IN BEARING WALLS, STOLED WITCH ARESISTANT MATTRAIN.</li> <li>IN BEARING WALLS, STOLED WITCH ARESISTANT MATTRAIN.</li> <li>AL WOOD STRUCTULE INVESTIGATION TO THE ROUZING FOR THE CORRESPONDING STORE THE CORRESPONDING STALE STORE THE CORRESPONDING STORE THE CORRESPONDING STORE THE C</li></ul>	•				
<ul> <li>IN BEGRING WALLS, STUDE VINED AND AGE NOT MORE THAN ITY FEET IN LENGTH SHALL BE SPECIFICORE STUDE CREATER THAN 10-07 FEET IN LENGTH SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER OR REGISTERED ADARCHECT.</li> <li>ALL WOOD STUDUTUL PARES SHALL CONFORM TO THE MOST CURRENT APPLICABLE SPECIFICATION AND SHPUENTS OF THE APP AO RE GUIVAENT. ALL PAREL DUNITS S OCCUR OVER SUPPORTS AND SHALL DE STAGGERED ONE HALF PAREL LENGTH FROM ADACEMPT SHALL BE LESS THEN OR EQUAL TO 15%.</li> <li>ALL STRUCTURAL FRAMEN BEMERS SHIEN OR EQUAL TO 15%.</li> <li>ALL STRUCTURAL FRAMEN BEMERS SHIEN OR EQUAL TO 15%.</li> <li>ALL STRUCTURAL FRAMEN BEMERS SHIEN OR EQUATO 15%.</li> <li>TO STRUCTURAL FRAMEN BEMERS SHIEN OR EXAMPLE ON THAIN 770° CB</li> <li>EXTERIOR OS SHEATHING TO BE FASTENED WITH 80 COMMON NALLS; 0° C. A.T.P. EDUS STRUCTURAL TRANEN SHIEND AND XALLS OF AUX COMMON NALLS; 0° C. A.T.P. EDUS STRUCTURAL TRANEN SHIEND XALLS SHIEND THAIN 770° CB</li> <li>THE TOP FLATE WITH CREPTE FRAMEN SHIEND AND LODG BEARING VIALS THE TOP THATE WITH CREPTE FRAMEN XALLS SHIEND WITH MIN 700° FRAMING PLU THE TOP FLATE SHIEND TREAD TOP PLATE DATE DATE AND THE DATE AND THE THE THE DAPPLIED AP SHIEND TOP PLATE DATE DATE AND THE DATE AND THE THE THE DAPPLIED AP SHIEND TOP PLATE DATE DATE AND THE THE THE THE DAPPLIED AP SHIEND TOP PLATE FRAMENO BELOW AS NEEDED UND.</li> <li>THETOR NON LOAD BEARING WALLS DATE AND THE THE THE THE DAPPLIED AP SHIEND TOP PLATE TOP THE THE THE THE DAPPLIED AP SHIEND TOP PLATE DATE DATE THE THE THE TOP PLATE IS NOT REQUIRE DATE TO THE TOP THE THE THE TOP PLATE</li></ul>	•	ANY WOOD MEMBER IN C	ONTACT WITH CONCRE	TE OR MASONRY (OR TH	IE FURRING THEY A
<ul> <li>BLE: THOSE STUDS GREATER THAN 10-9" FEET IN LENCTH SHALL BE DESIGNED BY A PROFESSIONAL ENGINEE NO REGISTRED ANOTHER AND AND AND AND AND AND AND AND AND AND</li></ul>	•	IN BEARING WALLS, STUD	S WHICH ARE NOT MOF	RE THAN 10'-0" FEET IN LI	
SPECIFICATION AND SUPPLEMENTS OF THE APA OR BOUNALENT. ALL PANEL END JOINTS S OCCUR OVER SUPPORTS AND SHALL BE STACCHED ONE HAR PANEL END JOINTS S OCCUR OVER SUPPORTS AND SHALL BE STACHED ONE OF MALE PANEL END WITH AND PANEL MOSTURE CONTENT SHALL BE LSS THEN BOUND BOUND. 2 MAIL STRUCTURAL FRAMING MEMBERS SHALL BE AS FOLLOWS UNO. 2 MAIL STRUCTURAL FRAMING MAILS ARE PARELINED BY LODG COMMON NAILS, SPECIFIC ON THE APAREL END WITH AND THE APAREL END WITH AND THE APAREL END WITH AND AND THE OR ONE OF AND THE PELLO. 2 MAILS TO BE CONTINUOUSLY SPECTREE OWTH AND THE OR ONE OF AND THE PELLO. 2 MAILS TO BE CONTINUOUSLY SPECTREE OWTH AND THE OR ONE OF AND THE PELLO. 2 MAILS TO BE CONTINUOUSLY SPECTREE OWTH AND THE OR ONE ON ONE PRANT PARELINE THE THE PELLO DEL 20 OR BETTER 3 HAR AND THE PELLO DEL 20 OR BETTER 3 HAR AND THE DIA PANEL WITH ANN 27 LAP SPUCE 3 FELLO APPLIED APPLIED AND THAN AND 27 LAP SPUCE 3 FELLO APPLIED APPLIED AND THAN AND 27 LAP SPUCE 3 FELLO APPLIED AND THAN AND 27 LAP SPUCE 3 FELLO APPLIED AND THAN AND 27 LAP SPUCE 3 FELLO APPLIED AND THAN AND 27 LAP SPUCE 3 FELLO APPLIED AND THAN AND 27 LAP SPUCE 3 FELLO APPLIED AND THAN AND 27 LAP SPUCE 3 FELLO APPLIED AND THAN AND 27 LAP SPUCE 3 FELLO APPLIED AND THAN AND 27 LAP SPUCE 3 FELLO APPLIED AND THAN AND 27 LAP SPUCE 3 FELLO APPLIED AND THAN AND 27 LAP SPUCE 3 FELLO APPLIED AND THAN AND 27 LAP SPUCE 3 FELLO APPLIED AND THAN AND 27 LAP SPUCE 3 FELLO APPLIED AND THAN AND 27 LAP SPUCE 3 FELLO APPLIED AND THAN AND AND SPUCE THE FINAL COMPANY AND 10 APPLIED AND 20 APPLIED AND		SIZE. THOSE STUDS GREA	TER THAN 10'-0" FEET	IN LENGTH SHALL BE DE	CORRESPONDING S SIGNED BY A
<ul> <li>2XX OR 2XX EXTERIOR WALLS AS PERMITED BY CODE: DOUGLAS FR-LARCH 42 (DF-OR ETTER.</li> <li>EXTERIOR WALLS TO BE CONTINUOUSLY SHEATHED WITH MIN. 7167 OS B</li> <li>EXTERIOR WALLS TO BE CONTINUOUSLY SHEATHED WITH AND. 7167 OS B</li> <li>EXTERIOR WALLS TO BE CONTINUOUSLY SHEATHED WITH AND. 7167 OS B</li> <li>EXTERIOR IND BEARDED AND SHEAR WALLS RECOMMON NAULS, 97 O. C. AT P. 120 OR BERTER.</li> <li>LOAD BEARING SHEACED AND SHARM WALLS ARE OR BERTER.</li> <li>LOAD BEARING HEADERS TO BE FABRICATED WITH A MAR 37 LAP SPLICE</li> <li>FIELD APPLIED UNTH ANN 37 LAP SPLICE.</li> <li>FIELD APPLIED UNTH ANN 37 LAP SPLICE.</li> <li>FIELD APPLIED UNTH ANN 37 LAP SPLICE.</li> <li>CODE TOP LATE THE SIN OT RECURRED TOR INTER ONE ADOR NOT NO TRANING PLAN.</li> <li>LOAD BEARING HEADERS TO BE FABRICATED WITH THE HEADER AT THE UNDER SID THE POPLIES IN OT NEOLINEE TO WITH ANN 37 LAP SPLICE.</li> <li>OLOBE TOP PLATE TIS NOT RECURRED FOR INTERON NOL AD BEARING WALLS TO BEARING WALLS.</li> <li>INTERIOR NOL LAD BEARING WALLS OF LAP STUD GRADE OR BETTER.</li> <li>DODELE TOP THE IS NOT TRECURRED ADVE ON BELOW OPENINGS WHERE THE VERT CLEAR HEIGHT IS 27 OR LESS FOR NONLOAD BEARING WALLS.</li> <li>REID APPLIE FRAINNEN NOT RECURRED ADVE OR BUTHER THE VERT CLEAR HEIGHT IS 27 OR LESS FOR NONLOAD BEARING WALLS.</li> <li>ALL LUMBER IN CONTACT WITH MASONRY OR OTHERWISE EXPOSED TO WEATHERING TO B MEESSURE TREATED.</li> <li>FEELD APPLIE DONG OS SHALL ENATE: PT DF-L #2</li> <li>BOTTOM (SOLE) FLATE IN CONTACT WITH MASONRY. PT DF-L #2</li> <li>BOTTOM (SOLE) FLATE IN CONTACT WITH MASONRY. PT DF-L #2</li> <li>CALLAW WALLS AND WASHERS, FOR PRESUMET REATED WOOD SHALL BE ADTOD.</li> <li>FASTENERS, INCLUDING NUTS AND WASHERS, FOR PRESUME TREATED WOOD SHALL BE ADTOD.</li> <li>FASTENERS, INCLUDING NUTS AND WASHERS, FOR CREATED WOOD SHALL BE AN ADD FF.*6 (SOLE)</li> <li>FASTENERS, INCLUDING NUTS AND WASHERS, FOR CREATED WITH AMERICAN INSTITUTE STREEMEMENDATION</li></ul>	•	SPECIFICATION AND SUPF OCCUR OVER SUPPORTS ADJACENT PANELS. PROV	PLEMENTS OF THE APA AND SHALL BE STAGGI (IDE 1/8" INCH SPACE A	OR EQUIVALENT. ALL PA ERED ONE HALF PANEL I T PANEL ENDS. WOOD S	ANEL END JOINTS SH LENGTH FROM
<ul> <li>EXTERIOR WALLS TO BE CONTINUOUSLY SHEATHED WITH MIN. THE OSB</li> <li>EXTERIOR OSB SHEATHING OD BE FASTENED WITH A BE COMMON ANALS, 9° O. C. AT P. EDGES, 1° O. C. IN THE FIELD.</li> <li>EDGES, 1° O. C. IN THE FIELD.</li> <li>EDGA PERAND, RARCED, AND DEFAR WALLS, REQUERE A DUBLE TOP PLATE. THE T. P. VA COM BERAND, AND PLATE DEFA. 90 CHEAT DEFAR.</li> <li>LOAD BEARING, HEADERS PER HEADER SOLFEDULE OR AS SHOWN ON FRAMING PLAT.</li> <li>LOAD BEARING, HEADERS PER HEADER SOLFEDULE OR AS SHOWN ON FRAMING PLAT.</li> <li>LOAD BEARING HEADERS PER HEADER SOLFEDULE OR AS SHOWN ON FRAMING PLAT.</li> <li>LOAD BEARING HEADERS PER HEADER SOLFEDULE OR AS SHOWN ON FRAMING PLAT.</li> <li>LOAD BEARING HEADERS PER HEADER SOLFEDULE OR AS SHOWN ON FRAMING PLAT.</li> <li>LOAD BEARING HEADERS PER HEADER SOLFEDULE OR AS SHOWN ON FRAMING PLAT.</li> <li>LOAD BEARING HEADERS PER HEADER SOLFEDULE OR AN EXTEND CONSTRUCTION ON THE MEMORY ON THE HEADER SOLFED TO WEATHER THE VERT OUTLOAD BEARING WALLS.</li> <li>MULLOAD BEARING WALLS.</li> <li>MULLOAD BEARING WALLS.</li> <li>MULLOAD BEARING WALLS.</li> <li>MULLOAD BEARING WALLS.</li> <li>MULLUMBER IN CONTACT WITH MASONRY OR OTHERWISE EXPOSED TO WEATHERING TO B PRESSURE TREATED WOOD SHALL BE PRE</li></ul>	•	<ul> <li>2X4 OR 2X6 EXTER</li> </ul>			S FIR-LARCH #2 (DF-L
<ul> <li>2X4 OR 2X8 INTERIOR LOAD BEARING WALLS OF-L 20 OR BETTER.</li> <li>LOAD BEARING, BARCED, MAD SHAR WALLS, REQUIRE A DOUBLE TOP PLATE. THE T PLY BEING FIELD APPLIED WITH A MIN. 24: 24: 98 PLCE</li> <li>FEED BEARING HEADERS TO BE FABRICATED WITH FIEL FRADER AT THE UNDER SID THE TOP PLATE WITH CRIPPLE FRAMING BELOW AS REEDED LING.</li> <li>LOAD BEARING, HEADERS TO BE FABRICATED WITH THE HEADER AT THE UNDER SID THE TOP PLATE WITH CRIPPLE FRAMING BELOW AS REEDED LING.</li> <li>INTERIOR NON LOAD BEARING WALLS IF-L 25 STUD GRADE OR BEARING WALLS THE TOP PLATE TIS NOT REQUIRED FOR INTERIOR NON LOAD BEARING WALLS HEADER COMPLE SPACING NOT REQUIRED ADVO CO BELOTION ON LOAD BEARING WALLS.</li> <li>ALL LUMBER IN CONTACT WITH MASORY OF ON THERWISE EXPOSED TO WEATHERING TO B PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH HEADER OR THE PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH HEADER OR THE PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH HEADER OR THE PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH HEADER OR THE PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH HEADER OR THE PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WOOD SHALL BE DEFEDE LIMENTS THE CONNECTOR OF CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE IN ACCORDANCE WITH THE CONNECTOR RECOMMENDATIONS AND AND AND AND AND AND AND AND AND AND</li></ul>		EXTERIOR WALLS     EXTERIOR OSB SH	IEATHING TO BE FASTE	SHEATHED WITH MIN. 7/ NED WITH 8D COMMON	'16" OSB NAILS; 6" O. C. AT PA
<ul> <li>FIELD APPLIED LAP SPLICED TOP PLATE: DF-L #2 OR BETTER</li> <li>LOAD BEARING HEADERS FOR HEADER SCHULLE OR AS SHOWN ON FRAMING PLAI LOAD BEARING HEADERS TO BE FABRICATED WITH THE HEADER AT THE UNDER SD THE TOP PLATE WITH CRIPPLE HEADER SCHULLE ON AS NEEDED UNDETTER DOUBLE TOP PLATE: SNOT HEQUIRED FOR INTERIOR NON LOAD BEARING WALLS</li> <li>HEADER CRIPPLE FARAING CALL ON AS NEEDED UNDETTER NEW PLATE: SNOT HEQUIRED FOR INTERIOR NON LOAD BEARING WALLS</li> <li>HEADER CRIPPLE FARAING CALL SNOT HEQUIRED FOR INTERIOR NON LOAD BEARING WALLS</li> <li>CRIPPLE FRAMING NOT REQUIRED ABOVE OR BELOW OPENNOS WHERE THE VERT CLEAR HEGHT IS 22 OR LESS FOR NON-LOAD BEARING WALLS.</li> <li>ALL LUMBER IN CONTACT WITH MASONRY OR OTHERWISE EXPOSED TO WEATHERING TO B PRESSURE TREATED (PT).</li> <li>FIELD APPLIED SULL PLATE: IT DF-L #2</li> <li>BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY. PT DF-L #2</li> <li>BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY. PT DF-L #2</li> <li>BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY. PT DF-L #2</li> <li>ALL LUMBER IN CONTACT SULL PATE: TD F-L #2</li> <li>BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY. PT DF-L #2</li> <li>FASTENERS, INCLUDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED.</li> <li>FASTENERS, INCLUDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED.</li> <li>FASTENERS, INCLUDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE IN ACCORDACE WITH HE CONSISTENT TREATED WOOD SHALL BE IN ACCORDACE WITH HE CONSISTEL CON BROADER ON TREATE WOOD SHALL BE IN ACCORDACE WITH HE CONSISTEL AND RESSURE RECOMMENDATIONS. IN THE ASSENCE OF MANUFACTURERS SCHEMENDATIONS A. MILL ASTM 4803 (FF) 4824 WITH FLATER, MARKEN Y SAND WASHERS, HOR REQUIREMENTS RECOMMENDATIONS. THE ASSENCE OF MANUFACTURERS SCHEMENDATIONS A. MILL SCHEPTPORED IN A</li></ul>		<ul> <li>2X4 OR 2X6 INTER</li> <li>LOAD BEARING, BI</li> </ul>	IOR LOAD BEARING WA RACED, AND SHEAR WA	LLS, REQUIRE A DOUBL	
THE TOP PLATE IN WITH CRIPPLE FRAMING BELOW AS INCEDED UND. INTERIOR NON LOAD BEARING WALLS: DE-LYSTUD GRADE ONE BETTER DOUBLE TOP PLATE IS NOT REQUIRED FOR INTERIOR NON LOAD BEARING WALLS GRADERS CERPTLE SPACING CAN WALLS: DE-LYSTUD GRADE ONE BETTER CORRECT PLATE IS NOT REQUIRED ASOVE OR BELOW OPENINGS WHERE THE VERT CLEAR HEIGHT IS 22' OR LESIS FOR NON-LOAD BEARING WALLS: ALLUMBER IN CONTACT WITH MASONRY OR OTHERWISE EXPOSED TO WEATHERING TO B PRESSURE TREATED (PT).  ALLUMBER IN CONTACT WITH MASONRY OR OTHERWISE EXPOSED TO WEATHERING TO B PRESSURE TREATED (PT).  FASTENESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH WATER-BORNE PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH WATER-BORNE PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH WATER-BORNE PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH WATER-BORNE PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WOOD SHALL BE IN ACCORDANCE WITH THE CONTECTOR IN CONTACT WITH PRESSURE TREATED FORTHERS INCLUDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE IN ACCORDANCE WITH THE CONTECTOR IN ANUFACTURERS RECOMMENDATIONS. IN THE ABSENCE OF MAUFACTURERS RECOMMENDATIONS. A WINC ASTIN ABSI TYPES AND WEIGHTS FOR CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE IN ACCORDANCE WITH THE CONTECTOR IN ANUFACTURERS RECOMMENDATIONS. IN THE ABSENCE OF MAUFACTURERS RECOMMENDATIONS. A WINC ASTIN ABSI TYPE ABSING TO RAIL 1.  FORINEED LENCOPTION ON THAN AD EXCENTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL DESIGN FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL DESIGN FABRICATION, SHALL BE A MINIMUM OF SCHEDULE 40.  STRUCTURAL STEEL STEEL DESIGN FABRICATION, SHALL BE AS FOLLOWS:     THE DIFFORMENT TO ASTIN ABSIC.  STRUCTURAL STEEL STEEL DESIGN FABRICATION, SHALL BE AS FOLLOWS:     STEEL DESIGN FOR RECTION SHALL BE AS FOLLOWS:     STEEL DESIGN FOR ROLL AND SCHEDULE 40.  STRUCTURAL STEEL STEEL DESIGN FABRICATION, SHALL BE AS FOLLOWS:     STRAD BOOR STAUL CONFORM TO THE AST ASSO (FF- 45K ST ASTIN A530 (FF-		<ul> <li>FIELD APPLIED LA</li> <li>LOAD BEARING HE</li> </ul>	P SPLICED TOP PLATE: EADERS PER HEADER S	DF-L #2 OR BETTER CHEDULE OR AS SHOWI	
HEADER CRIPPLE SPACING CAN BE 24' O. C. REGARDLESS OF WALL STUD SPACING     NOI LODD BEARING WALLS     CRIPPLE FRAMING NOT REQUIRED ABOVE OR BELOW OPENINGS WHERE THE VERTI     CLEAR HEIGHT 52' CON LESS FOR NON-LODD BEARING WALLS.     ALL LUMBER IN CONTACT WITH MASONRY OR OTHERWISE EXPOSED TO WEATHERING TO B     PRESSIVE TREATED (TT)     FEID APPLIED SILL PLATE: PT DF1. #2     BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY. PT DF1. #2     BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY. PT DF1. #2     BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY. PT DF1. #2     BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY. PT DF1. #2     BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY. PT DF1. #2     BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY. PT DF1. #2     BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY. PT DF1. #2     BOTTOM (SOLE) PLATE IN CONTACT WITH HECOUREWENTS OF MAUL 22     PRESSURE TREATED     SOLED ALL DUMBER VIENT SOLED THE FINISHED GRADE SHALL BE     PRESSURE TREATED.     SATEMERS. INCLUDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE     PRESSURE TREATED.     SATEMENS. INCLUDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE     MAGORDAUXED STEEL, STANLESS STEEL, SULCON BROXZE OR COPPER     COATING TYPES AND WEIGHTS FOR CONNECTORS IN CONTACT WITH PRESSURE TREATED     WOOD SHALL BE N ACCORDANCE WITH THE CONNECTOR MAUUFACTURERS     RECOMMENDATIONS. IN THE ABSENCE OF MAULFACTURERS RECOMMENDATIONS, A MIN. C     ASTM A53 TYPE G IS ZINC-COATED GALVANIZED STEEL, OR EQUIVALENT, SHALL BE USED     EXCEPTIONS. REFER TO R317.3.1      ENGINEERED LUMBER MIIMUM DESIGN REQUIREMENTS     TEL DESIGN. FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE     STEEL DESIGN. FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE     STEEL DESIGN. FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE     STEEL DESIGN. FABRICATION, SAUE BEACTIONS     MODILAS FF4.8 KSS     DOUGLAS FF4.4 ARCH    900     1.6X10 <sup>4</sup> 180     GLULAM     2400      1.6X10 <sup>4</sup> 180     GLULAS MAD SCORDS: A STM A50 (F, = 46 KS		THE TOP PLATE W     INTERIOR NON LO	ITH CRIPPLE FRAMING AD BEARING WALLS: DF	BELOW AS NEEDED UNC L #2 STUD GRADE OR E	). BETTER
<ul> <li>CRIPPLE FRAMING NOT REQUIRED ABOVE OR BELOW OPENINGS WHERE THE VERTICLEAR HEIGHT 52 27 OR LESS FOR NON-LOAD BEARING WALLS.</li> <li>ALL LUMBER IN CONTACT WITH MASONRY OR OTHERWISE EXPOSED TO WEATHERING TO B PRESSURE TREATED (PT).</li> <li>IELD AFRIED (JELLATE: PT DF.L #)</li> <li>BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY: PT DF.L #2.</li> <li>ALL PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH WATER-BORNE PRESERVATIVES. PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH THE REQUIREMENTS OF AM (2), LP-22, AND IRG SECTION R37. ALL LUMBER &lt; 8° ABOVE THE FINISHED GRADE SHALL BE PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED.</li> <li>FASTENERS, INCLIDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE IN ACCOMPLY WITH THE REQUIREMENTS OF AM (2), LP-22, AND IRG SECTION R37. ALL LUMBER &lt; 8° ABOVE THE FINISHED GRADE SHALL BE PRESSURE TREATED.</li> <li>FASTENERS, INCLIDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE IN ACCOMPLY ON WITH AMPERSURE TREATED WOOD SHALL BE IN ACCOMPLEX OF MANUFACTURERS'S RECOMMENDATIONS, A MIN. OR ASTM A633 TYPE G185 ZINC-COATED GAL VANIZED STEEL, OR EQUIVALENT, SHALL BE USED EXCEPTIONS, REFER TO R317.3.1.</li> <li><b>ENGUMERDATIONS</b>, IN THE ASSENCE OF MANUFACTURERS'S RECOMMENDATIONS, A MIN. OR ASTM A633 TYPE G185 ZINC-COATED GAL VANIZED STEEL, OR EQUIVALENT, SHALL BE USED EXCEPTIONS, REFER TO R317.3.1.</li> <li><b>STEEL DESIGN</b>, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL CONSTRUCTION.</li> <li>STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL CONSTRUCTION.</li> <li>STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL CONSTRUCTION.</li> <li>STEEL PIPE COLLINN SHALL BE A MINIMUM OF SCHEDULE 40.</li> <li>STEEL PIPE COLLINN SHALL BE A MINIMUM OF SCHEDULE 40.</li> <li>STEEL PIPE COLLINN SHALL BE A STOLLOWS: ASTM A530 (F) = 50KS</li> <li>MENDERLY AND SCHETTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL PIPE COLLINN S</li></ul>		HEADER CRIPPLE	SPACING CAN BE 24" O		
<ul> <li>PRESSURE TREATED (PT).</li> <li>FIELD APPLIED SILP LATE: PT DF-L #2</li> <li>BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY: PT DF-L #2</li> <li>ALL PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH WATER-BORNE PRESSURE TREATED.</li> <li>ALL PRESSURE TREATED.</li> <li>FASTENERS, INCLUDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED.</li> <li>FASTENERS, INCLUDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED.</li> <li>FASTENERS, INCLUDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE DIPPED, DIX-COATE OGAL VANIZED STEEL, STAILESS STEEL, SLICON BRONZE OR COOPEE COATING TYPES AND WEIGHTS FOR CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE IN ACCORDANCE WITH THE CONNECTION RANUPACTURERS' RECOMMENDATIONS, IN THE ABSENCE OF MANUFACTURERS'S RECOMMENDATIONS, A NIN, O ASTM AGE TYPE GT82 INC:COATED GALVANIZED STEEL, OR EQUIVALENT, SHALL BE USED. EXCEPTIONS, REFER TO R317.3.1.</li> </ul> <b>ENDOUGLAS FIR-LARCH</b> 900 1.4X10 <sup>6</sup> 285 DOUGLAS FIR-LARCH 900 1.4X10 <sup>6</sup> 1800 GLU-LAM 2400 1.8X10 <sup>6</sup> 230 <b>STRUCTURAL STEEL</b> STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL CONSTRUCTION. STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL CONSTRUCTION. STEEL DIPE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40. STEEL DIPE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40. STEEL DIPE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40. STEEL OPTE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40. STEEL DIPE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40. STEEL OPTE COLUMNS AND AGE SCHEDULE 40. STEEL DIPE COLUMN ASTRUCTURAL SECTIONS AND COLUMNS: ASTM A500 (F; = 46 KS CHANCHOR RODS: ANTRUCTURAL SECTIONS ASTRUCTION. WEIDING THE STEEL SCHED SCHEDE SCHEDE SCHEDE SCHEDE SCHED SCHE		CRIPPLE FRAMING	NOT REQUIRED ABOV		WHERE THE VERTIC
FIELD APPLIED SILL PLATE: PT DF-L #2     BOTTOM (SOLD PLATE: NOTACT WITH MASORY: PT DF-L #2     ALL PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH THE REQUIREMENTS OF AW     CL P-22. AND IRC SECTION R37.A.L. LUMBER < PADOUT THE FINISHED GRADE SHALL BE     PRESSURE TREATED.     FASTERERS, INCLUDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE H     PRESSURE TREATED.     FASTERERS, INCLUDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE H     DIPPED, ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILCON BRONZE OR COPPET     COATING TYPES AND WEIGHTS FOR CONNECTOR MANUFACTURERS     RECOMMENDATIONS, IN THE ABSENCE OF MANUFACTURERS RECOMMENDATIONS, A MIN.C     ASTM A653 TYPE G185 ZINC-COATED GALVANIZED STEEL, OR EQUIVALENT, SHALL BE USED.     EXCEPTIONS, REFER TO R317.3.1.      ENGINEERED LUMBER MIMUM DESIGN RECUIREMENTS     ILVL 3100	•			HERWISE EXPOSED TO	WEATHERING TO BE
PRESERVATIVES, PRESSURE TREATMENT SHALL COMPLY WITH THE REQUIREMENTS OF AM 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 IN DEVELOT TAINLESS STELL, SILCOM BRONZE OR COPPER COATING TYPES AND WEIGHTS FOR CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE IN ACCORDANCE WITH THE CONNECTOR MANUFACTURERS RECOMMENDATIONS, IN THE ASSENCE OF MANUFACTURERS RECOMMENDATIONS, AND WEIGHTS FOR CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE IN ACCORDANCE WITH THE CONNECTOR MANUFACTURERS RECOMMENDATIONS, IN THE ASSENCE OF MANUFACTURERS RECOMMENDATIONS, AND (C ASTM AGCORDATIONS, REFER TO R317.3.1         ENGINEERED LUMBER MIMUM DESIGN REQUIREMENTS       Fr (PSI)         EVALUATIONS, REFER TO R317.3.1       ENGINEERED CONSTRUCTIONS, REFER TO R317.3.1         STRUCTURAL STEEL       SIGNATIONS, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL CONSTRUCTION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL CONSTRUCTION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL CONSTRUCTION, SHALL BE A MINIMUM OF SCHEDULE 40.         STEEL PIPE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40.       STEEL PIPE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40.         STEEL PIPE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40.       STEEL PIPE COLUMN SHALL BE AS FOLLOWS: - HOLLOW STRUCTURAL SECTIONS: - ASTM AS3 (Fr = 38 KS] - WOE FLANCES: - MOLLON STRUCTURAL SECTIONS - ASTM AS3 (Fr = 38 KS] - MOLLON CONFORM TO ASTM A307         • BOLTS SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING 5 BE PERPORMED IN ACCORDANCE TO WELDING PROCEDURE SECHCICATIONS (WPS) AS REQUIRED. NAMES UNCLOSARDA				I MASONRY: PT DF-L #2	
DIPPED, ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER COATING TYPES AND WIEIGHTS 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 O ASTM A653 TYPE G185 ZINC-COATED GALVANIZED STEEL, OR EQUIVALENT, SHALL BE USED EXCEPTIONS, REFER TO R317.3.1.	•	PRESERVATIVES. PRESSU C2, LP-22, AND IRC SECTION	JRE TREATMENT SHALL	COMPLY WITH THE REC	QUIREMENTS OF AW
LVL         3100         1.9X10 <sup>6</sup> 285           DOUGLAS FIR-LARCH         900         1.6X10 <sup>6</sup> 180           GLU-LAM         2400         1.8X10 <sup>6</sup> 230           STRUCTURAL STEEL         STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL CONSTRUCTION.         STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40.           STEEL GRADE AND SPECIFICATION SHALL BE AS FOLLOWS:         ASTM A30 (Fv=36 KS)           •         HOLLOW STRUCTURAL SECTIONS:         ASTM A30 (Fv=36 KS)           •         CHANNELS, PLATES, ANGLES, AND COLUMNS:         ASTM A38 (Fv=36 KS)           •         MEDE FLANGES:         ASTM A33 (Fv=36 KS)           •         STEEL PIPE COLUMN         ASTM A33 (Fv=36 KS)           •         STEEL PIPE COLUMN         ASTM A33 (Fv=36 KS)           •         STEEL PIPE COLUMN         ASTM A30 (Fv=36 KS)           •         STEEL PIPE COLUMN TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING S           •         SHALL CONFORM TO ASTM A307           •         WELDING SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING SYDANG BY D1.1 THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLIS BY THE FILLER-METAL MANUFACTURER.           •         WELDS SHALL USE E70XX ELECTRODES AND A MINIMUM OF 3/16" SIZE UNLESS NOTED OTHERWISE.		ASTM A653 TYPE G185 ZIN	C-COATED GALVANIZE		
DOUGLAS FIR-LARCH         900         1.6X10 <sup>6</sup> 180           GLU-LAM         2400         1.8X10 <sup>6</sup> 230           STRUCTURAL STEEL         .         STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL CONSTRUCTION.           .         STEEL PIPE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40.           .         STEEL GRADE AND SPECIFICATION SHALL BE AS FOLLOWS:           .         HOLLOW STRUCTURAL SECTIONS:         ASTM A500 (Fy= 46 KS)           .         HOLDIN STRUCTURAL SECTIONS:         ASTM A360 (Fy= 36 KS)           .         WIDE FLANGES:         ASTM A500 (Fy= 36 KS)           .         WIDE FLANGES:         ASTM A500 (Fy= 36 KS)           .         STEEL PIPE COLUMN         ASTM A500 (Fy= 36 KS)           .         WIDE FLANGES:         ASTM A500 (Fy= 36 KS)           .         STEEL PIPE COLUMN         ASTM A500 (Fy= 36 KS)           .         STEEL PIPE COLUMN         ASTM A507           .         BOLTS SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING SIGN (Fy= 36 KS)           .         BUTHS FILLER-METAL MANUFACTURER.           .         WELDING SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING SIGN (Fy= 36 KS)           .         MULDING SHALL CONFORM TO THE AWS CODES SHAL BE WITHIN THE PARAMETERS ESTABLS	ſ	ENGINEE		DESIGN REQUIREMENTS	
GLU-LAM         2400         1.8X10 <sup>6</sup> 230           STRUCTURAL STEEL         .         STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL CONSTRUCTION.           .         STEEL PIPE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40.           .         STELE, GRADE AND SPECIFICATION SHALL BE AS FOLLOWS: <ul> <li>HOLLOW STRUCTURAL SECTIONS:</li></ul>	_	ENGINEE	RED LUMBER MIIMUM I		
<ul> <li>STRUCTURAL STEEL</li> <li>STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL CONSTRUCTION.</li> <li>STEEL PIPE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40.</li> <li>STEEL GRADE AND SPECIFICATION SHALL BE AS FOLLOWS: <ul> <li>HOLLOW STRUCTURAL SECTIONS:</li> <li>ASTM A530 (Fy=36 KS)</li> <li>CHANNELS, PLATES, ANGLES, AND COLUMNS:</li> <li>ASTM A530 (Fy=50 KS)</li> <li>WIDE FLANGES:</li> <li>ASTM A530 (Fy=56 KS)</li> <li>WIDE FLANGES:</li> <li>STEEL PIPE COLUMN</li> <li>ASTM A530 (Fy=56 KS)</li> <li>WIDE FLANGES:</li> <li>ASTM A530 (Fy=56 KS)</li> <li>WELDING SHALL CONFORM TO ASTM A307</li> </ul> </li> <li>WELDING SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING S BE PERFORMED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN AWS D1.1. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLIS BY THE FILLER-METAL MANUFACTURER.</li> <li>WELDS SHALL USE E70XX ELECTRODES AND A MINIMUM OF 3/16" SIZE UNLESS NOTED OTHERWISE.</li> <li>ALL WELDS SPECIFIED AS FIELD WELDS MAY BE SHOP WELDED AT THE CONTRACTOR'S OP' IF ERECTION CAN STILL BE EXECUTED.</li> </ul> <li>GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC R308.4 SHALL BE OF APPROVED SAFETY GLAZING MATERIALS.</li> <li>GLAZING MATERIALS.</li> <li>GLAZING MATERIALS.</li> <li>GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF THE STAIRWAY WHERE THE GLAZING IS LESS THAN 360 INCHES AROVE THE LANDING AND WHERE THE BOT EDGE OF THE GLAZING IS LESS THAN 360 INCHES AROVE THE LANDING AND WHERE THE BOT CONSIDERED AND A MINIMUM OF ARCI MERCHT TO THE LANDING AT THE BOTTOM TREAD NOSING SHALL BE CONSIDERED A HAZARDOUS LOCATION.</li> <li>GLAZING IN WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, S WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS, AND INDOOR OR OUTDOOR SWIMING POOLS WHERE THE BOTTOM TREAD NOSING SHALL BE CONSIDERED A HAZARDOUS LOCATION.</li>	-	LVL	ERED LUMBER MIIMUM I F♭ (PSI) 3100	E (PSI) 1.9X10 <sup>6</sup>	F <sub>v</sub> (PSI) 285
<ul> <li>STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE STEEL CONSTRUCTION.</li> <li>STEEL PIPE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40.</li> <li>STEEL GRADE AND SPECIFICATION SHALL BE AS FOLLOWS:         <ul> <li>HOLLOW STRUCTURAL SECTIONS:</li> <li>ASTM A500 (Fy= 46 KS)</li> <li>CHANNELS, PLATES, ANGLES, AND COLUMNS:</li> <li>ASTM A592 (Fy= 36 KS)</li> <li>STEEL PIPE COLUMN</li> <li>ASTM A533 GR B (Fy= 36 KS)</li> <li>STEEL PIPE COLUMN</li> <li>ASTM A53 GR B (Fy= 36 KS)</li> <li>STEEL PIPE COLUMN</li> <li>ASTM A53 GR B (Fy= 36 KS)</li> <li>STEEL PIPE COLUMN</li> <li>ASTM A53 GR B (Fy= 36 KS)</li> <li>STEEL PIPE COLUMN</li> <li>ASTM A53 GR B (Fy= 36 KS)</li> <li>STEEL PIPE COLUMN</li> <li>ASTM A53 GR B (Fy= 36 KS)</li> <li>BOLTS SHALL CONFORM TO ASTM A307</li> </ul> </li> <li>WELDING SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING S</li> <li>BE PERFORMED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN AWS D1.1. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLIS BY THE FILLER-METAL MANUFACTURER.</li> <li>WELDS SHALL USE FOXX ELECTRODES AND A MINIMUM OF 3/16" SIZE UNLESS NOTED OTHERWISE.</li> <li>ALL WELDS SPECIFIED AS FIELD WELDS MAY BE SHOP WELDED AT THE CONTRACTOR'S OP' IF ERECTION CAN STILL BE EXECUTED.</li> </ul> <li>GLAZING MATERIALS.</li> <li>GLAZING MATERIALS.</li> <li>GLAZING MATERIALS.</li> <li>GLAZING MATERIALS.</li> <li>GLAZING MATERIALS.</li> <li>GLAZING ADACENT TO THE LANDING AT THE BOTTOM AT HEAD THE BOT EDGE OF THE GLAZING IS WITHIN A 24' ARO' DO CHE WERE THE DOGR IN A ALL SES THAN 36 INCHES ABOVE THE FLOOR.</li> <li>GLAZING ADJACENT TO THE LANDING AT THE BOTTOM THEAD NOSING SHALL BE CONSIDERED A HAZARDOUS LOCATION.</li> <li>GLA</li>	-	LVL DOUGLAS FIR-LARCH	ERED LUMBER MIIMUM I F♭ (PSI) 3100 900	E (PSI) 1.9X10 <sup>6</sup> 1.6X10 <sup>6</sup>	F <sub>v</sub> (PSI) 285 180
<ul> <li>STEEL PIPE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40.</li> <li>STEEL GRADE AND SPECIFICATION SHALL BE AS FOLLOWS:         <ul> <li>HOLLOW STRUCTURAL SECTIONS:</li> <li>ASTM A500 (F<sub>Y</sub>= 46 KS)</li> <li>CHANNELS, PLATES, ANGLES, AND COLUMNS:</li> <li>ASTM A36 (F<sub>Y</sub>= 36 KS)</li> <li>WIDE FLANGES:</li> <li>ASTM A53 GRB (F<sub>Y</sub>= 3</li> </ul> </li> <li>ANCHOR RODS:</li> <li>ANCHOR RODS:</li> <li>ANCHOR RODS:</li> <li>BOLTS SHALL CONFORM TO ASTM A307</li> <li>WELDING SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING S BE PERFORMED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN AWS D1.1. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLIS BY THE FILLER-METAL MANUFACTURER.</li> <li>WELDS SHALL USE E70XX ELECTRODES AND A MINIMUM OF 3/16" SIZE UNLESS NOTED OTHERWISE.</li> <li>ALL WELDS SPECIFIED AS FIELD WELDS MAY BE SHOP WELDED AT THE CONTRACTOR'S OP IF ERECTION CAN STILL BE EXECUTED.</li> <li>GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC R308.4 SHALL BE OF APPROVED SAFETY GLAZING MATERIALS.</li> <li>GLAZING MATERIALS.</li> <li>GLASS IN STORM DOORS: INDIVIDUAL FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE LARARST VERTICAL EDGE OF THE GLAZING IS WITHIN A 24" ARC 1 EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTE EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE FLOOR.</li> <li>GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF THE STAIRWAY WHERE THE BOT EDGE OF THE GLAZING IS LESS THAN 60 TABOVE THE FLOOR.</li> <li>GLAZING IS LESS THAN 36 IDENTIFIES ADVE THE LANDING AND WITHIN A 60 IN HORIZOD ARC LESS THAN 180 DEGREES FROM THE BOTTO</li></ul>	-	LVL DOUGLAS FIR-LARCH GLU-LAM	ERED LUMBER MIIMUM I F♭ (PSI) 3100 900	E (PSI) 1.9X10 <sup>6</sup> 1.6X10 <sup>6</sup>	F <sub>v</sub> (PSI) 285 180
<ul> <li>STEEL GRADE AND SPECIFICATION SHALL BE AS FOLLOWS:         <ul> <li>HOLLOW STRUCTURAL SECTIONS:</li> <li>ASTM A500 (F<sub>Y</sub> = 46 KS</li> <li>CHANNELS, PLATES, ANGLES, AND COLUMNS:</li> <li>ASTM A503 (F<sub>Y</sub> = 36 KS)</li> <li>WIDE FLANGES:</li> <li>STEEL PIPE COLUMN</li> <li>ASTM A53 (F<sub>Y</sub> = 36 KS)</li> </ul> </li> <li>BOLTS SHALL CONFORM TO ASTM A307</li> <li>WELDING SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING S BE PERFORMED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN AWS D1.1. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLIS BY THE FILLER-METAL MANUFACTURER.</li> <li>WELDS SHALL USE E70XX ELECTRODES AND A MINIMUM OF 3/16° SIZE UNLESS NOTED OTHERWISE.</li> <li>ALL WELDS SPECIFIED AS FIELD WELDS MAY BE SHOP WELDED AT THE CONTRACTOR'S OP' IF ERECTION CAN STILL BE EXECUTED.</li> <li>GLAZING</li> <li>GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC R308.4 SHALL BE OF APPROVED SAFETY GLAZING MATERIALS.</li> <li>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 4 EITHER VERTICAL EDGE OF THE LANDING AND WHERE THE BOT EDGE OF THE GLAZING IS LESS THAN 80° ABOVE THE FLOOR.</li> <li>GLAZING IS LESS THAN 36 INCHES ABOVE THE FLOOR.</li> <li>GLAZING IS LESS THAN 36 INCHES AROUT THE ADDITION AND WHERE THE BOT EDGE OF THE GLAZING IS LESS THAN 80 INCHES ABOVE THE FLOOR.</li> <li>GLAZING IS LESS THAN 36 INCHES ARD THE BOTTOM OF THE STAIRWAY WHERE TH GLAZING IS LESS THAN 80 INCHES ABOVE THE LANDING AND WITHIN A 60 IN HORIZOU ARC LESS THAN 180 INCHES ARD THE BOTTOM TREAD NOSING SHALL BE CONSIDERED A HAZARDOUS LOCATION.</li> <li>GLAZING IN WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, S W</li></ul>	STRU.	LVL DOUGLAS FIR-LARCH GLU-LAM JCTURAL STEEL STEEL DESIGN, FABRICAT	ERED LUMBER MIIMUM I F₀ (PSI) 3100 900 2400	E (PSI) 1.9X10 <sup>6</sup> 1.6X10 <sup>6</sup> 1.8X10 <sup>6</sup>	F <sub>v</sub> (PSI) 285 180 230
<ul> <li>HOLLOW STRUCTURAL SECTIONS: ASTM A500 (Fy = 46 KS CHANNELS, PLATES, ANGLES, AND COLUMNS: ASTM A500 (Fy = 36 KS) WIDE FLANGES: ASTM A336 (Fy = 36 KS) STEEL PIPE COLUMN ASTM A53 GR.B (Fy = 3 ANCHOR RODS: ASTM A53 GR.B (Fy = 3 ASTM 51554 (Fy = 36 KS) ASTM 51554 (Fy = 36 KS)</li> <li>BOLTS SHALL CONFORM TO ASTM A307</li> <li>WELDING SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING S BE PERFORMED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN AWS D1.1. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLIS BY THE FILLER-METAL MANUFACTURER.</li> <li>WELDS SHALL USE E70XX ELECTRODES AND A MINIMUM OF 3/16" SIZE UNLESS NOTED OTHERWISE.</li> <li>ALL WELDS SPECIFIED AS FIELD WELDS MAY BE SHOP WELDED AT THE CONTRACTOR'S OP' IF ERECTION CAN STILL BE EXECUTED.</li> <li>GLAZING</li> <li>GLAZING MATERIALS.</li> <li>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 ( ETHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOT EDGE OF THE GLAZING IS LESS THAN 80" ABOVE THE FLOOR.</li> <li>GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF THE STAIRWAY WHERE TH GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 24" ARC ( ETHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOT EDGE OF THE GLAZING IS LESS THAN 80" ABOVE THE FLOOR.</li> <li>GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF THE STAIRWAY WHERE TH GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 60 IN HORIZOJ ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING SHALL BE CONSIDERED A HAZARDOUS LOCATION.</li> <li>GLAZING IN WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, S WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS, AND INDOOR OR OUTDOOR SWIMMING POOLS WHERE THE BOTTOM STANDING OR WALKING SURFAC</li></ul>	STRU	LVL DOUGLAS FIR-LARCH GLU-LAM JCTURAL STEEL STEEL DESIGN, FABRICAT STEEL CONSTRUCTION.	ERED LUMBER MIIMUM I F <sub>b</sub> (PSI) 3100 900 2400 ION, AND ERECTION SH	E (PSI) 1.9X10 <sup>6</sup> 1.6X10 <sup>6</sup> 1.8X10 <sup>6</sup> IALL CONFORM WITH AM	F <sub>v</sub> (PSI) 285 180 230
<ul> <li>STEEL PIPE COLUMN ANCHOR RODS:</li> <li>ANCHOR RODS:</li> <li>BOLTS SHALL CONFORM TO ASTM A307</li> <li>WELDING SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING S BE PERFORMED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN AWS D1.1. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLIS BY THE FILLER-METAL MANUFACTURER.</li> <li>WELDS SHALL USE E70XX ELECTRODES AND A MINIMUM OF 3/16" SIZE UNLESS NOTED OTHERWISE.</li> <li>ALL WELDS SPECIFIED AS FIELD WELDS MAY BE SHOP WELDED AT THE CONTRACTOR'S OP IF ERECTION CAN STILL BE EXECUTED.</li> <li>GLAZING</li> <li>GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC R308.4 SHALL BE OF APPROVED SAFETY GLAZING MATERIALS.</li> <li>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 4 EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOT EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE FLOOR.</li> <li>GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF THE STAIRWAY WHERE TH GLAZING IS LESS THAN 38 INCHES ABOVE THE LANDING AND WITHIN A 60 IN HORIZOU ARC LESS THAN 180 DEGREES FROM THE BOTTOM OF THE STAIRWAY WHERE TH GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 60 IN HORIZOU ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING SHALL BE CONSIDERED A HAZARDOUS LOCATION.</li> <li>GLAZING IN WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, S WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS, AND INDOOR OR OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING LESS THAN 60" MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFAC</li></ul>	•	LVL DOUGLAS FIR-LARCH GLU-LAM JCTURAL STEEL STEEL DESIGN, FABRICAT STEEL CONSTRUCTION. STEEL PIPE COLUMNS SH	ERED LUMBER MIIMUM I F <sub>b</sub> (PSI) 3100 900 2400 ION, AND ERECTION SH ALL BE A MINIMUM OF S	E (PSI) 1.9X10 <sup>6</sup> 1.6X10 <sup>6</sup> 1.8X10 <sup>6</sup> IALL CONFORM WITH AM SCHEDULE 40.	F <sub>v</sub> (PSI) 285 180 230
<ul> <li>BOLTS SHALL CONFORM TO ASTM A307</li> <li>WELDING SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING S BE PERFORMED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN AWS 01.1. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLIS BY THE FILLER-METAL MANUFACTURER.</li> <li>WELDS SHALL USE E70XX ELECTRODES AND A MINIMUM OF 3/16" SIZE UNLESS NOTED OTHERWISE.</li> <li>ALL WELDS SPECIFIED AS FIELD WELDS MAY BE SHOP WELDED AT THE CONTRACTOR'S OP IF ERECTION CAN STILL BE EXECUTED.</li> <li>GLAZING</li> <li>GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC R308.4 SHALL BE OF APPROVED SAFETY GLAZING MATERIALS.</li> <li>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 O EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOT EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE FLOOR.</li> <li>GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF THE STAIRWAY WHERE TH GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 60 IN HORIZOI ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING SHALL BE CONSIDERED A HAZARDOUS LOCATION.</li> <li>GLAZING IN WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, S WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS, AND INDOOR OR OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING</li> </ul>	•	LVL DOUGLAS FIR-LARCH GLU-LAM JCTURAL STEEL STEEL DESIGN, FABRICAT STEEL CONSTRUCTION. STEEL PIPE COLUMNS SH STEEL GRADE AND SPECI • HOLLOW STRUCT	ERED LUMBER MIIMUM I F <sub>b</sub> (PSI) 3100 900 2400 ION, AND ERECTION SH ALL BE A MINIMUM OF S FICATION SHALL BE AS JRAL SECTIONS:	E (PSI) 1.9X10 <sup>6</sup> 1.6X10 <sup>6</sup> 1.8X10 <sup>6</sup> IALL CONFORM WITH AM SCHEDULE 40. FOLLOWS: AS	F <sub>v</sub> (PSI) 285 180 230
<ul> <li>WELDING SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING S BE PERFORMED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN AWS D1.1. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLIS BY THE FILLER-METAL MANUFACTURER.</li> <li>WELDS SHALL USE E70XX ELECTRODES AND A MINIMUM OF 3/16" SIZE UNLESS NOTED OTHERWISE.</li> <li>ALL WELDS SPECIFIED AS FIELD WELDS MAY BE SHOP WELDED AT THE CONTRACTOR'S OP IF ERECTION CAN STILL BE EXECUTED.</li> <li>GLAZING</li> <li>GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC R308.4 SHALL BE OF APPROVED SAFETY GLAZING MATERIALS.</li> <li>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 O EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOT EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE FLOOR.</li> <li>GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF AND WITHIN A 60 IN HORIZOI ARC LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 60 IN HORIZOI ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING SHALL BE CONSIDERED A HAZARDOUS LOCATION.</li> <li>GLAZING IN WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, S WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS, AND INDOOR OR OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING LESS THAN 60" MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACTION</li> </ul>	•	LVL DOUGLAS FIR-LARCH GLU-LAM JCTURAL STEEL STEEL DESIGN, FABRICAT STEEL CONSTRUCTION. STEEL PIPE COLUMNS SH STEEL GRADE AND SPECI • HOLLOW STRUCTI • CHANNELS, PLATE • WIDE FLANGES: • STEEL PIPE COLU	ERED LUMBER MIIMUM I Fb (PSI) 3100 900 2400 ION, AND ERECTION SH ALL BE A MINIMUM OF S FICATION SHALL BE AS JRAL SECTIONS: ES, ANGLES, AND COLU	E (PSI) 1.9X10 <sup>6</sup> 1.6X10 <sup>6</sup> 1.8X10 <sup>6</sup> HALL CONFORM WITH AM SCHEDULE 40. FOLLOWS: AS MNS: AS AS	F <sub>v</sub> (PSI) 285 180 230 ERICAN INSTITUTE ( TM A500 (F <sub>Y</sub> = 46 KSI) TM A36 (F <sub>Y</sub> = 36 KSI) TM A992 (F <sub>Y</sub> = 50 KSI) TM A53 GR.B (F <sub>Y</sub> = 35
<ul> <li>BY THE FILLER-METAL MANUFACTURER.</li> <li>WELDS SHALL USE E70XX ELECTRODES AND A MINIMUM OF 3/16" SIZE UNLESS NOTED OTHERWISE.</li> <li>ALL WELDS SPECIFIED AS FIELD WELDS MAY BE SHOP WELDED AT THE CONTRACTOR'S OP IF ERECTION CAN STILL BE EXECUTED.</li> <li>GLAZING</li> <li>GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC R308.4 SHALL BE OF APPROVED SAFETY GLAZING MATERIALS.</li> <li>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 4 EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOT EDGE OF THE GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF THE STAIRWAY WHERE TH GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 60 IN HORIZOI ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING SHALL BE CONSIDERED A HAZARDOUS LOCATION.</li> <li>GLAZING IN WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, S WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS, AND INDOOR OR OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IN GALLS ADJACENT TO THE LANDING AND THE BOTTOM TREAD NOSING SHALL BE CONSIDERED A HAZARDOUS LOCATION.</li> </ul>	•	LVL DOUGLAS FIR-LARCH GLU-LAM JCTURAL STEEL STEEL DESIGN, FABRICAT STEEL CONSTRUCTION. STEEL PIPE COLUMNS SH STEEL GRADE AND SPECI • HOLLOW STRUCTI • CHANNELS, PLATE • WIDE FLANGES: • STEEL PIPE COLUI • ANCHOR RODS:	ERED LUMBER MIIMUM I Fb (PSI) 3100 900 2400 ION, AND ERECTION SH ALL BE A MINIMUM OF S FICATION SHALL BE AS JRAL SECTIONS: ES, ANGLES, AND COLU MN	E (PSI) 1.9X10 <sup>6</sup> 1.6X10 <sup>6</sup> 1.8X10 <sup>6</sup> HALL CONFORM WITH AM SCHEDULE 40. FOLLOWS: AS MNS: AS AS	F <sub>v</sub> (PSI) 285 180 230 ERICAN INSTITUTE ( TM A500 (F <sub>Y</sub> = 46 KSI) TM A36 (F <sub>Y</sub> = 36 KSI) TM A992 (F <sub>Y</sub> = 50 KSI) TM A53 GR.B (F <sub>Y</sub> = 35
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### F. <u>STAIRWAYS</u>

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

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

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

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

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

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

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

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

#### <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).

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

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

ROOF IS ENGINEERED TO COMPLY WITH IRC R802.

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

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

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

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

#### SAFETY REQUIREMENTS

#### I.1 EMERGENCY EGRESS AND RESCUE

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

SMOKE AND CARBON MONOXIDE SAFETY (PER IRC R314)

BASEMENT EGRESS TO MEET THE REQUIREMENTS OF IRC R310.

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

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

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

#### J. <u>ENERGY REQUIREMENTS</u>

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**

AB BM BRG BFF BOT BWL CJ CLR COL CONC CMU CXN CONT DBL DIA EW EFF EL EC EOR EQ	BEAM BEARING BELOW FINISHED FLOOR BOTTOM BRACED WALL LINE CEILING JOIST CLEAR COLUMN CONCRETE CONCRETE MASONRY UNIT CONNECTION CONTINUOUS DOUBLE DIAMETER EACH WAY EFFECTIVE ELEVATION END CONDITION	FF FJ FTG FND HDR HORZ MAX MIN NTS OC PED PCF PLF PSI PSI PT RAF SIP STL TYP	EXISTING FIELD VERIFY FINISHED FLOOR FLOOR JOIST FOOTING FOUNDATION HEADER HORIZONTAL MAXIMUM MINIMUM NOT TO SCALE ON CENTER PEDESTAL POUNDS PER CUBIC FOOT POUNDS PER CUBIC FOOT POUNDS PER SQUARE INCH PRESSURE TREATED RAFTER STRUCTURAL INSULATED PANEL STEEL TYPICAL UNI ESS NOTED OTHERWISE
EQUIV	EQUIVALENT	UNO	UNLESS NOTED OTHERWISE
EFP	EQUIVALENT FLUID PRESSURE	VERT	VERTICAL





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- FOUNDATION NOTES:1.ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE (IRC). FOOTING ELEVATION TO BE DETERMINED BASED ON FINAL GRADE: ALL FOOTINGS MEET OR EXCEED
- MINIMUM FROST DEPTH OF 36".
- SOIL BEARING CAPACITY SHALL BE MINIMUM 1500 PSF. REFER TO SHEET S000 FOR MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE.
- REQUIRED AIR ENTRAINMENT SHALL BE 5-7% AS SPECIFIED IN IRC TABLE R402.2.
- FOUNDATION WALLS SHALL BE DAMPPROOFED PER IRC R406. FOUNDATION DRAINAGE WILL BE IN ACCORDANCE WITH IRC R405.
- ALL INTERIOR FOOTINGS OF LOAD BEARING WALLS AND COLUMNS SHALL BE ISOLATED FROM THE
- BASEMENT FLOOR SLAB. STEEL COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40.
- ALL ANCHOR BOLTS SHALL NOT BE SPACED MORE THAN 3' O.C. AND BE EMBEDDED INTO THE CONCRETE A 10. MINIMUM OF 7".
- BASEMENT EGRESS SHALL COMPLY WITH IRC R310. 11 FOR NEW CONSTRUCTION, AN ACCESSIBLE CONNECTION POINT TO BE PROVIDED TO A 20 FOOT CONCRETE 12. ENCASED ELECTRODE (FOOTING REBAR) FOR THE ELECTRICAL SERVICE GROUNDING ELECTRODE CONDUCTOR (UFER GROUND).

CRAWL SPACE NOTES:

- UNDER-FLOOR SPACE SHALL CONFORM TO 2018 IRC SECTION R408
- PER 2018 IRC R408.3 UNDER-FLOOR VENTILATION IS NOT REQUIRED WHERE: · EXPOSED EARTH IS COVERED W/ CONTINUOUS CLASS 1 VAPER RETARDER.
- · JOINTS SHALL OVERLAP 6" AND SHALL BE SEALED OR TAPED.
- · EDGES OF VAPER RETARDER SHALL EXTEND 6" UP STEM WALL AND PERIMETER WALL INSULATED IN ACCORDANCE WITH SECT N1103.3.1 · CONTINUOUSLY OPERATED MECHANICAL EXHAUST VENTILATION AT A RATE EQUAL TO 1 CUBIC FOOT PER
- MINUTE (0.47 L/s) FOR EACH 50 SQUARE FEET OF CRAWL SPACE FLOOR AREA.
- UNDER-FLOOR ACCESS SHALL BE PROVIDED AND SHALL BE A MINIMUM OF 18"x24" OPENING. ALL WALLS OVER 10' SHALL BE DOUGLAS FIR-LARCH #2 2x4 STUDS FULL HEIGHT CONTINUOUS UNO.
- 4. ALL WALLS OVER 12' SHALL BE DOUGLAS FIR-LARCH #2 (M-12) LUMBER 2x6 STUDS FULL HEIGHT CONTINUOUS. 5.

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.	#4 BARS @ 24" O.C.	16" x 8" CONC. FTG. W/ (2) #4 BARS CONT.		
9'-0" WALL		#4 BARS @12" 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.		

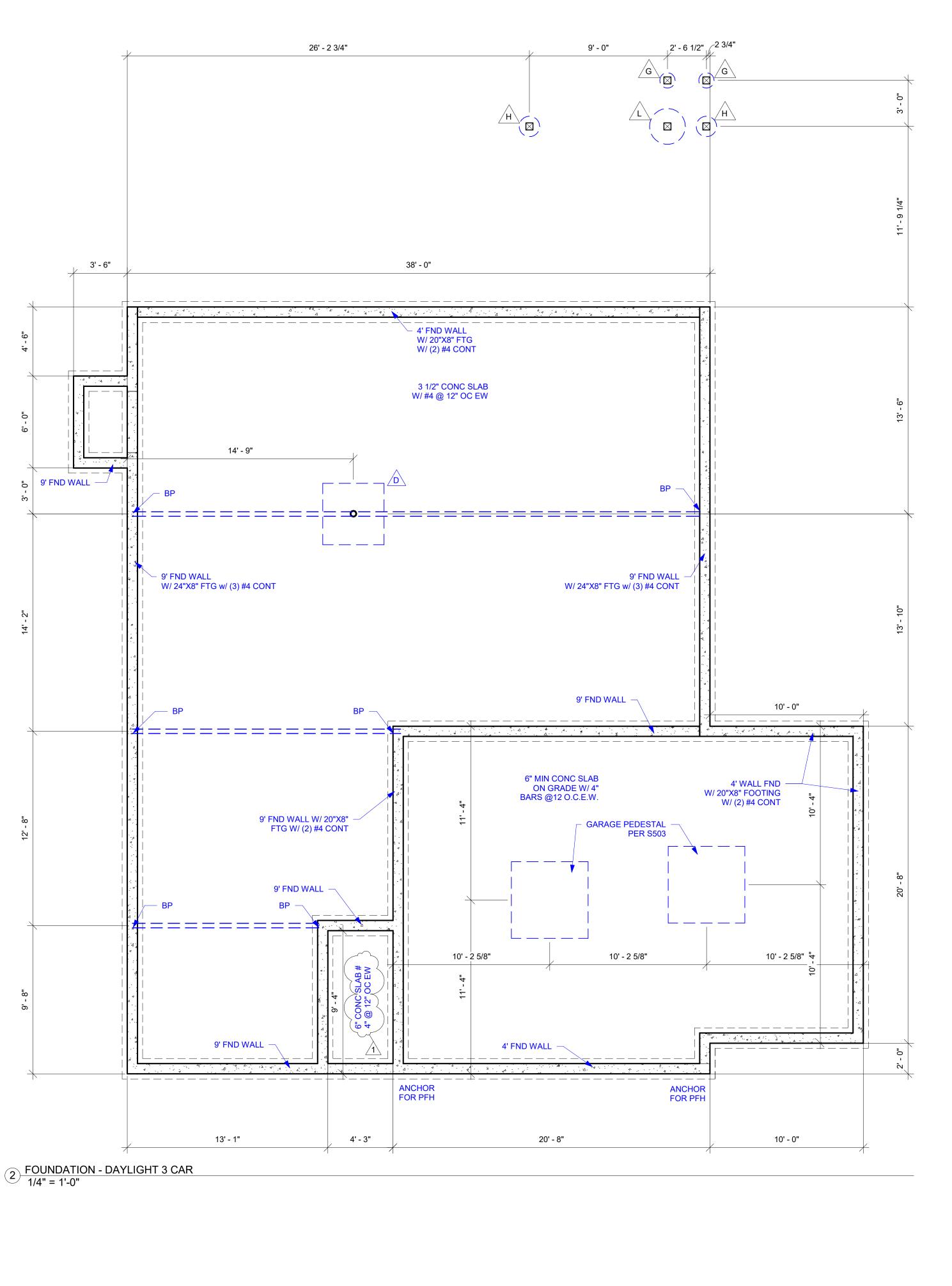
	ISOLATED FOOTINGS AND COLUMN PADS						
SYM	PIER PAD SIZE	DEPTH	MINIMUM REINFORCEMENT GRADE 40 KSI STEEL	SCHEDULE 40 STEEL COLUMN, MIN FY = 35 KSI			
Â	30"x30"	1'-0"	(5) #4 BAR E.W.	3" DIAMETER			
B	36"x36"	1'-0"	(6) #4 BAR E.W.	3" DIAMETER			
Ċ	42"x42"	1'-2"	(7) #4 BAR E.W.	3" DIAMETER			
	48"x48"	1'-4"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

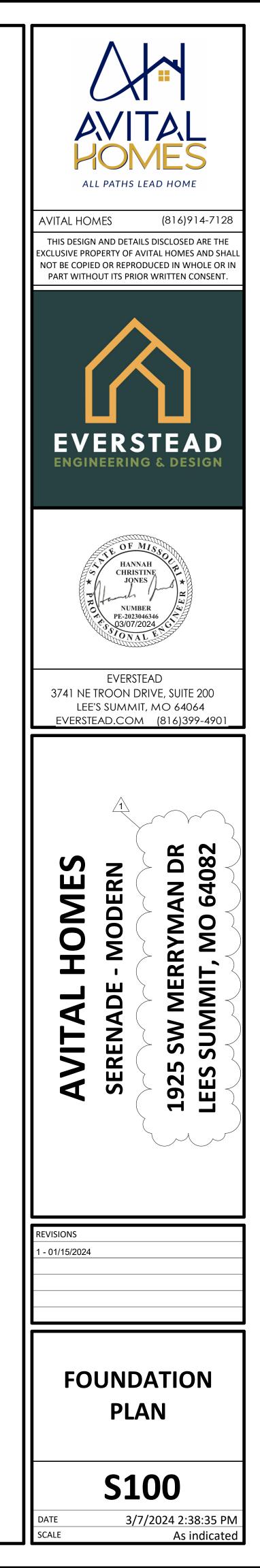
### ISOLATED FOOTINGS AND COLUMN PADS

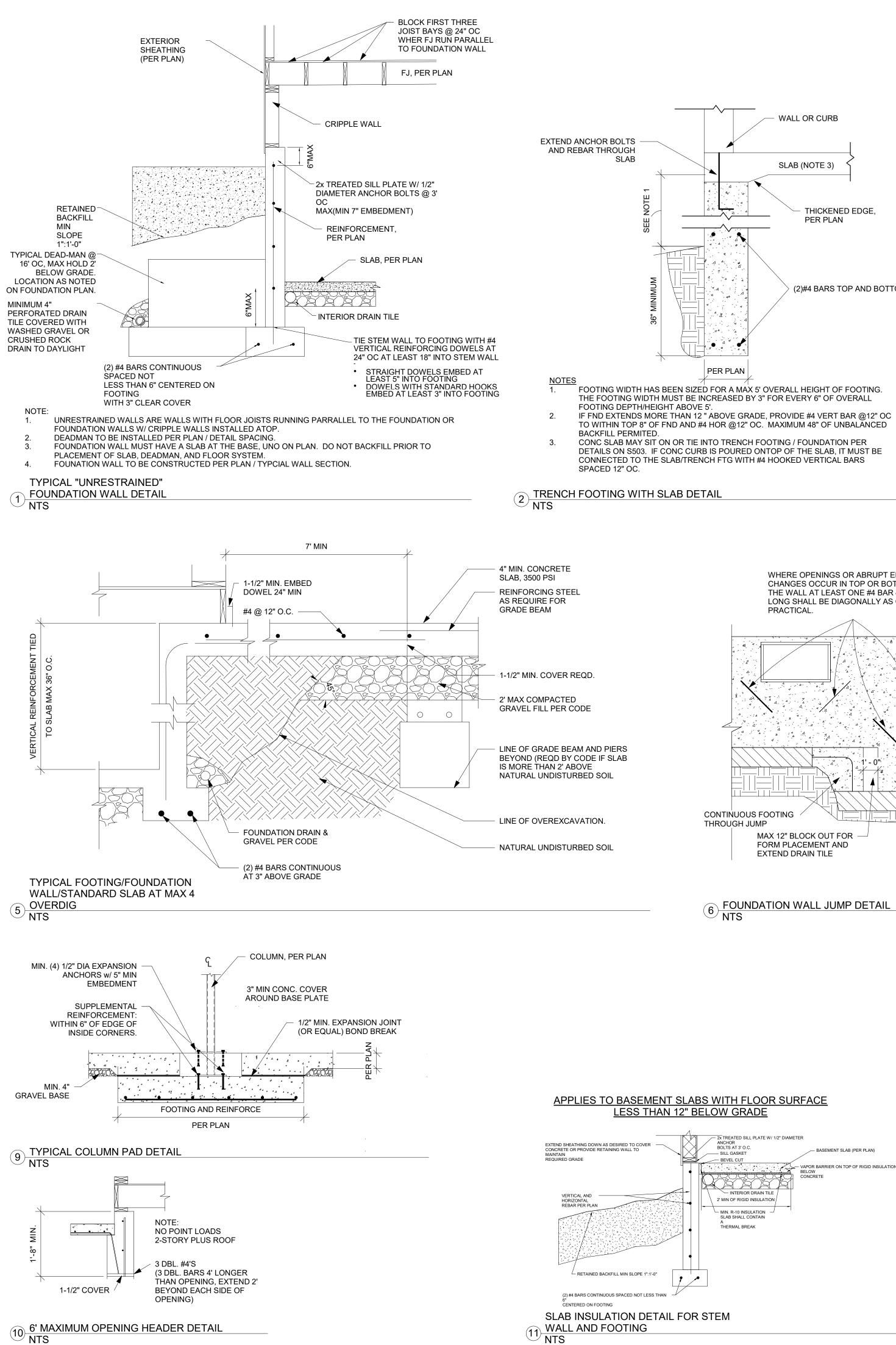
SYM	PIER DIAMETER	DEPTH	MINIMUM REINFORCEMENT GRADE 40 KSI STEEL
G	12"	3'-0"	(4) VERTICAL #4
H	16"	3'-0"	(4) VERTICAL #4
	18"	3'-0"	(4) VERTICAL #4
K	24"	3'-0"	(4) VERTICAL #4
Ĺ	28"	3'-0"	(4) VERTICAL #4

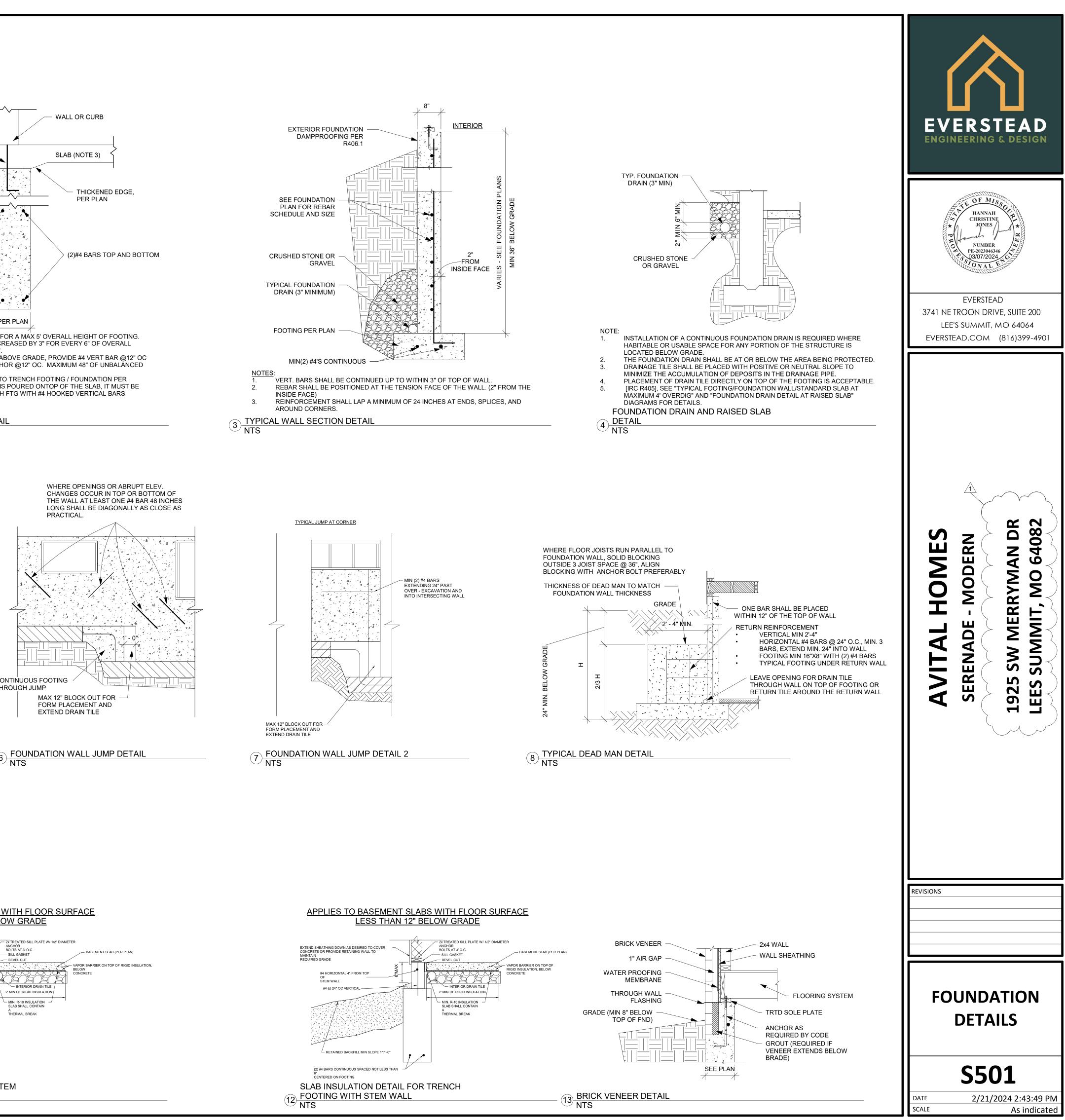
\*DENOTES STEEL COLUMN NOT REQUIRED

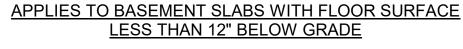
COLUMN AND PAD SIZES ARE FOR A MAXIMUM COLUMN HEIGHT OF 10'. COLUMNS GREATER THAN 10' REQUIRE A SEPARATE ENGINEERED DESIGN. FOOTINGS A-F SPACING OF 6" O.C. WITH 3" CLEAR COVER.

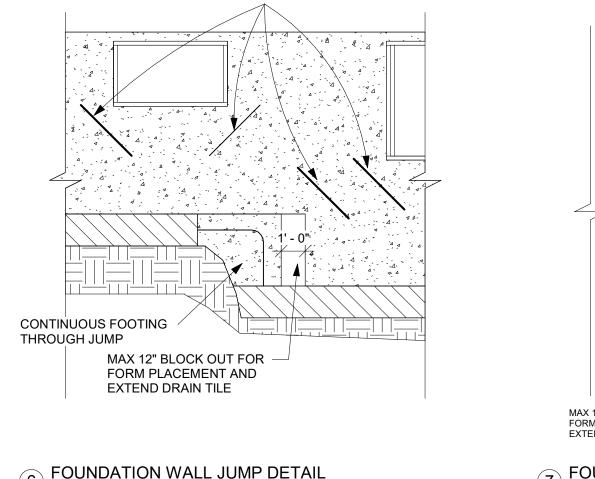


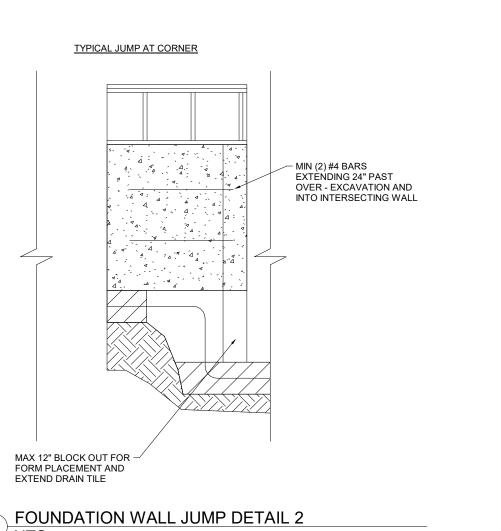


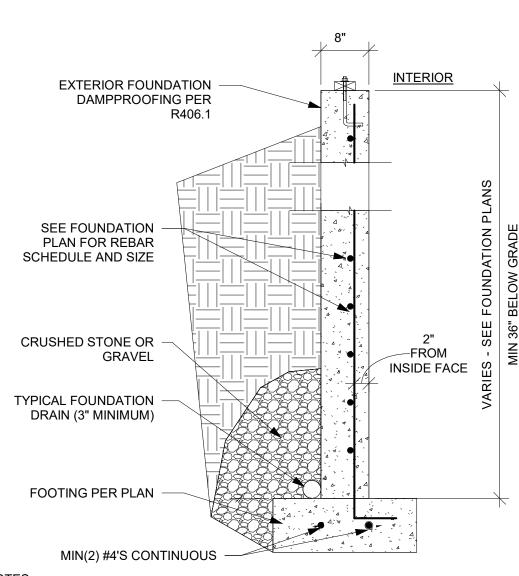


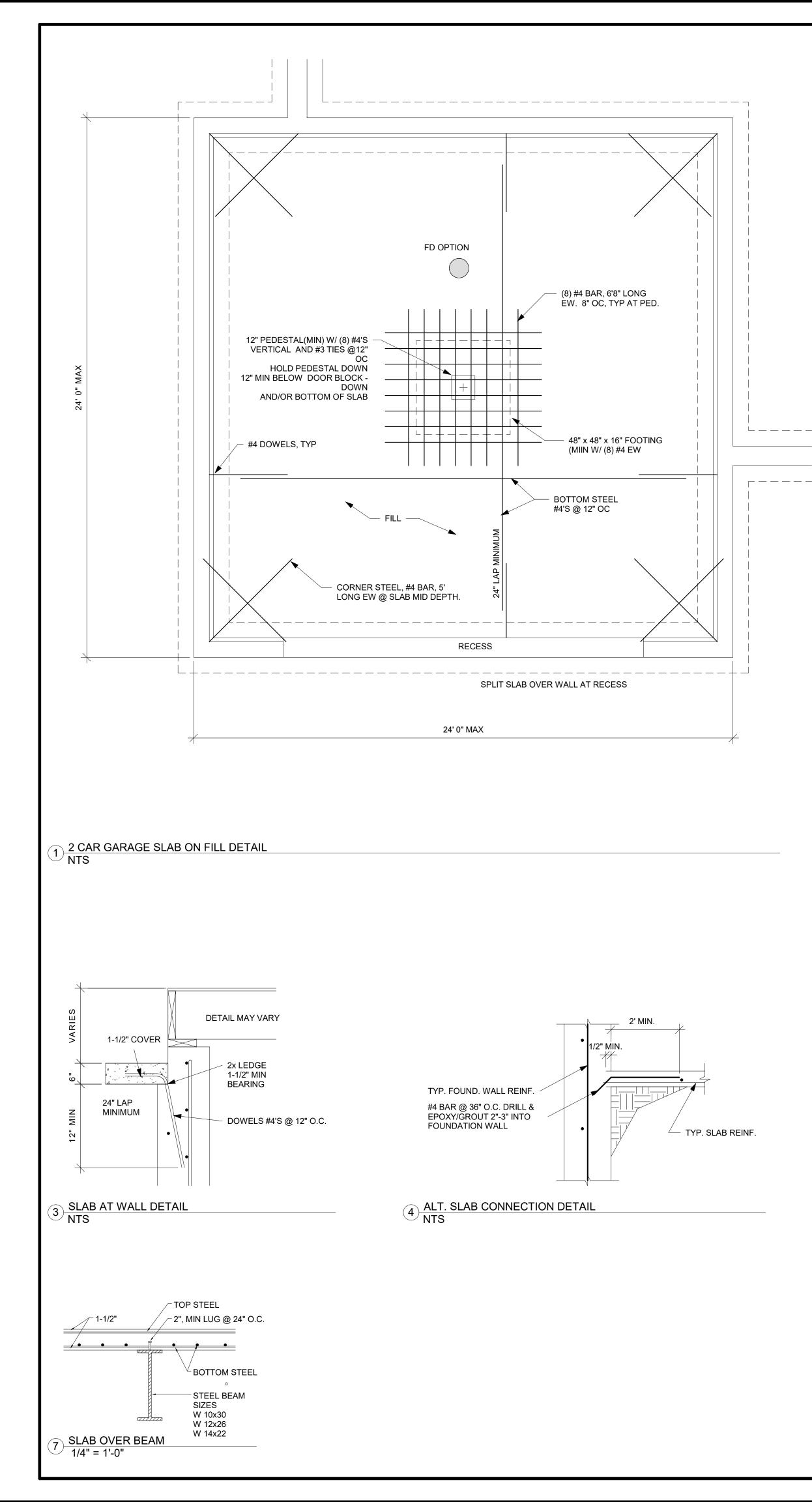


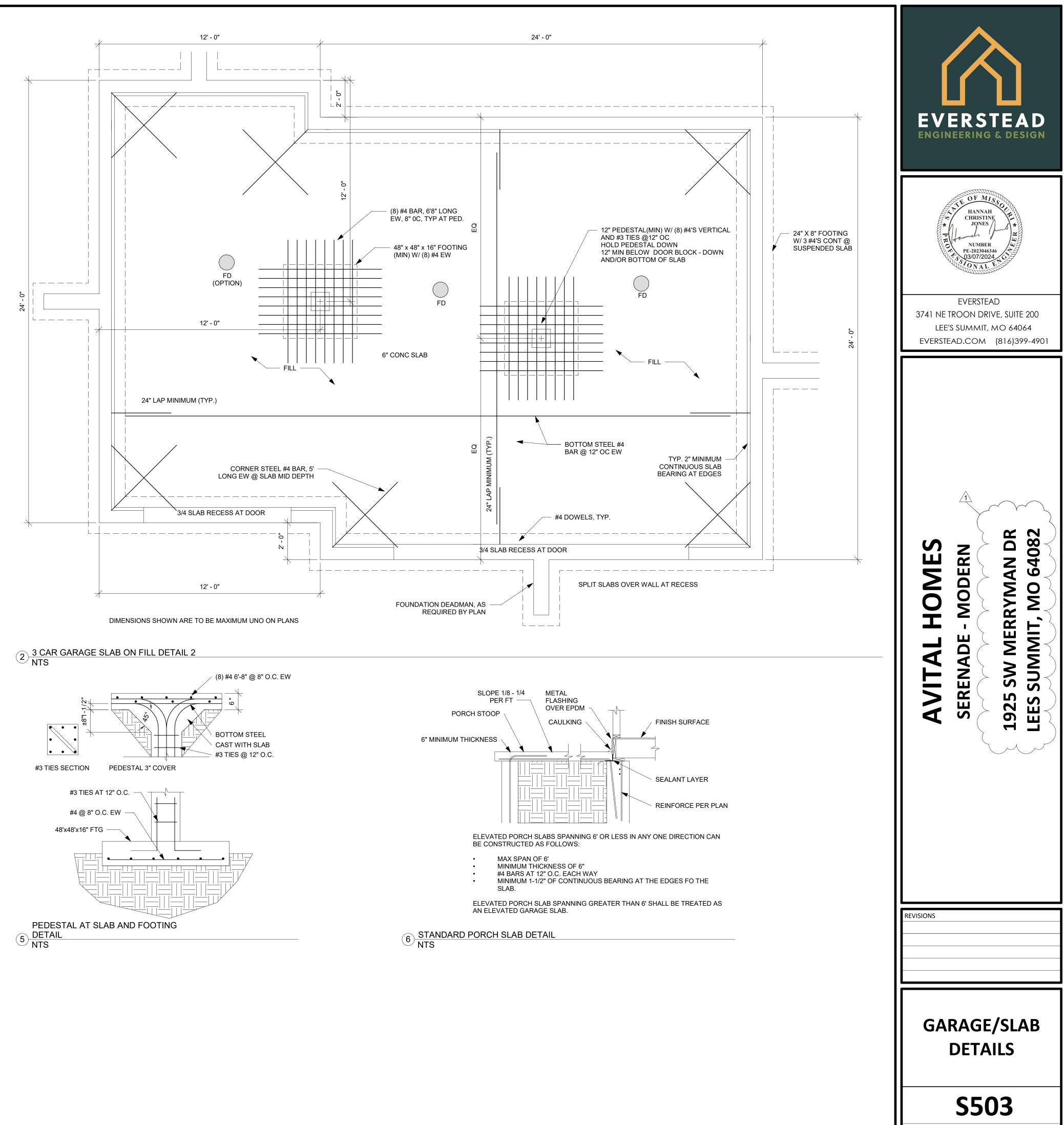


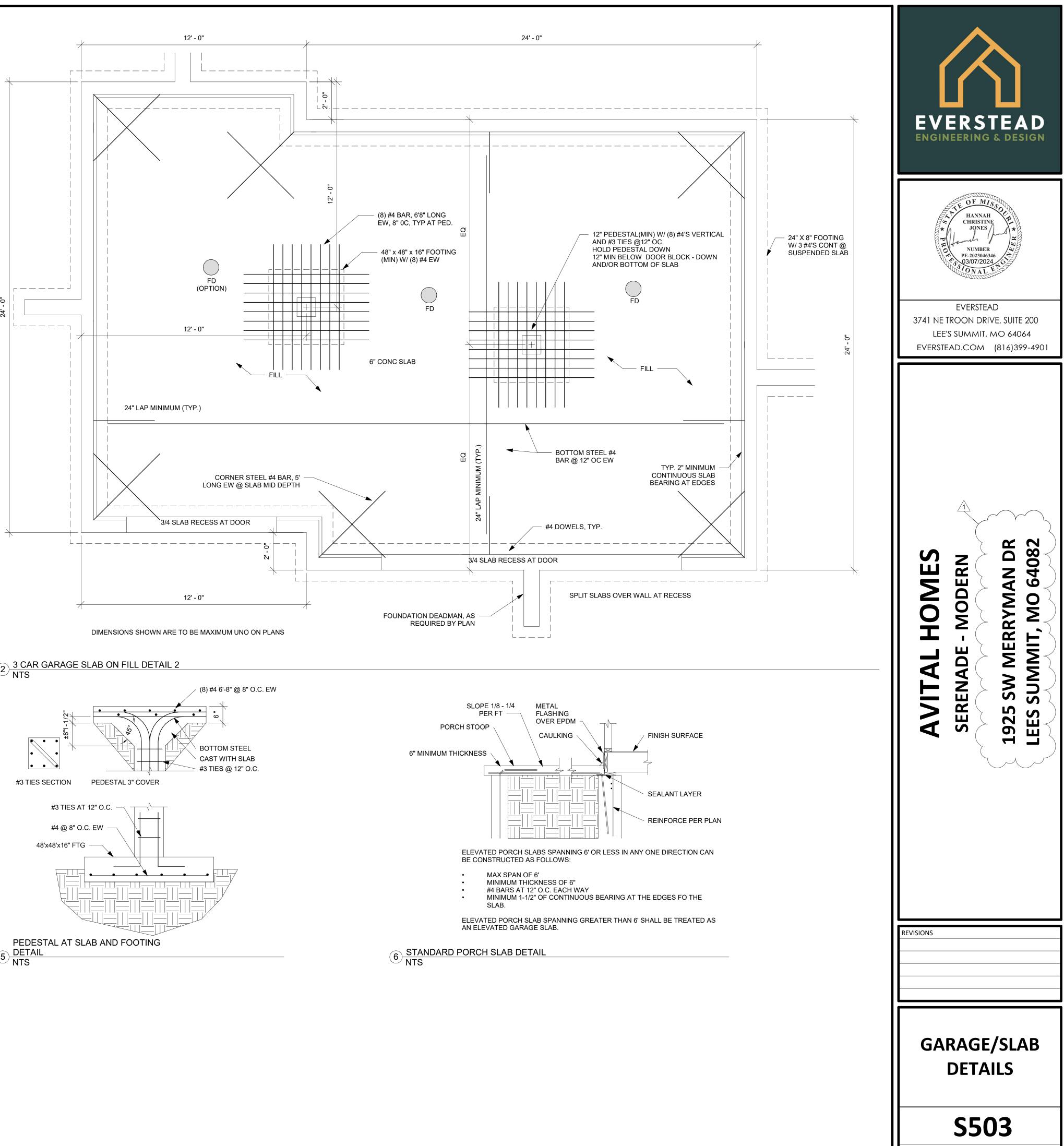




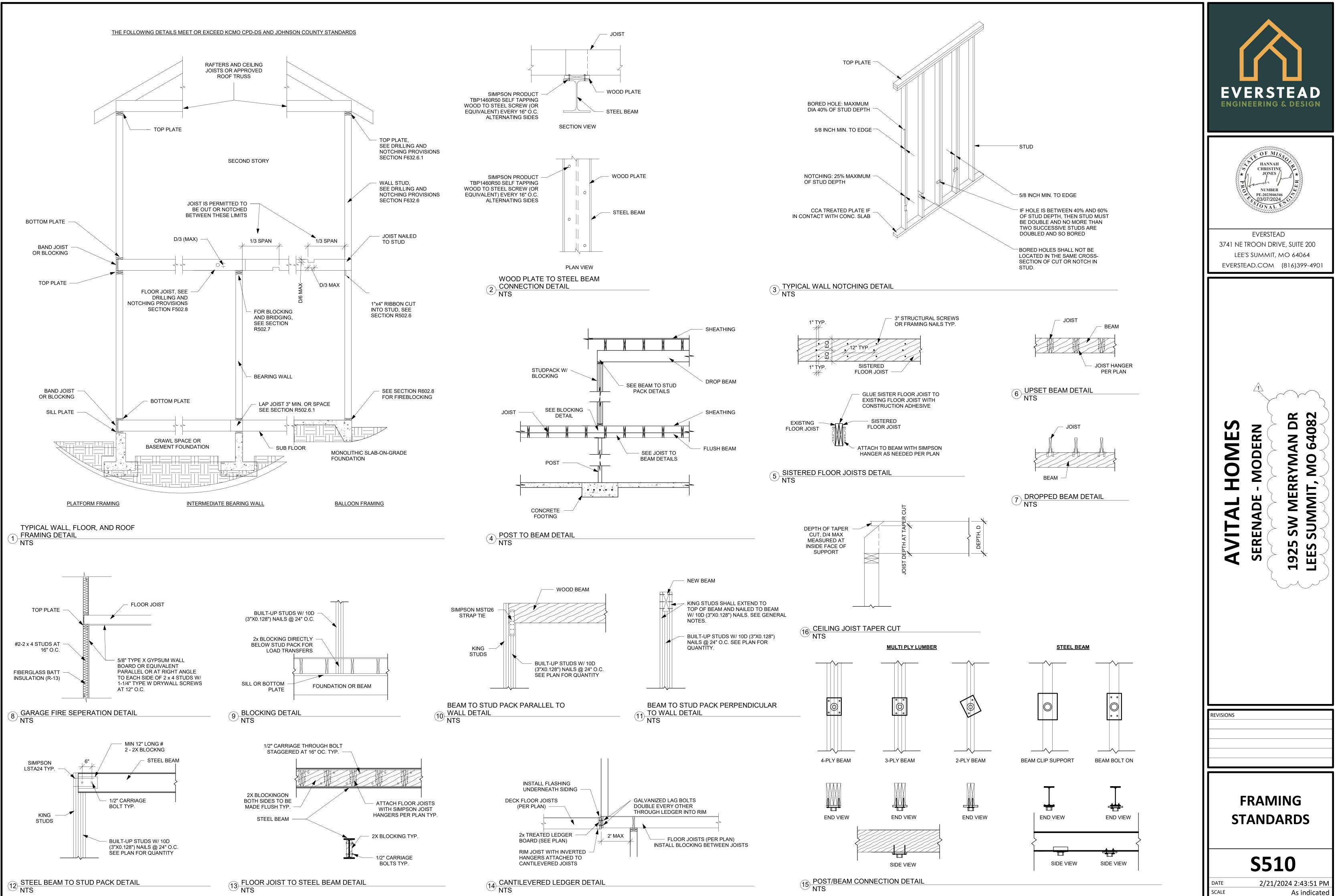


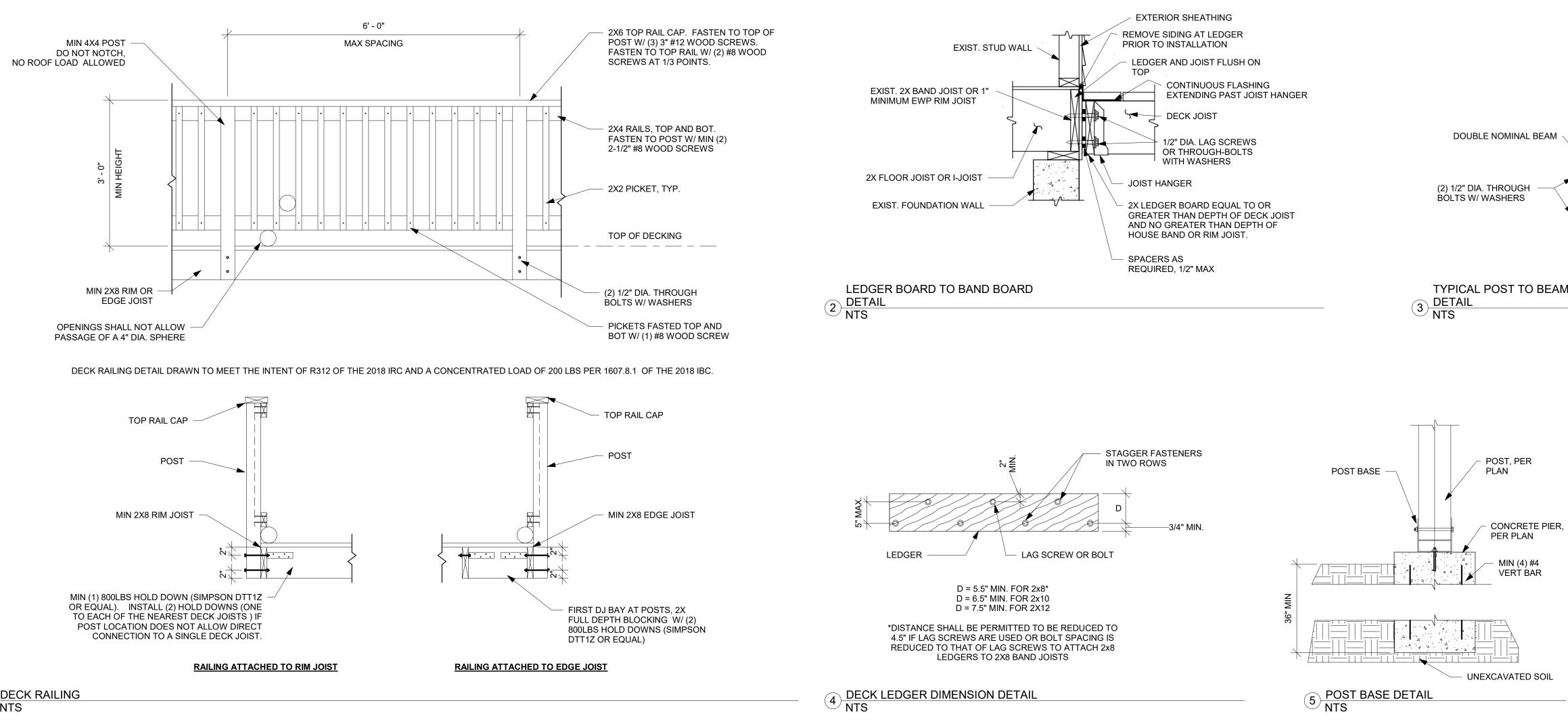


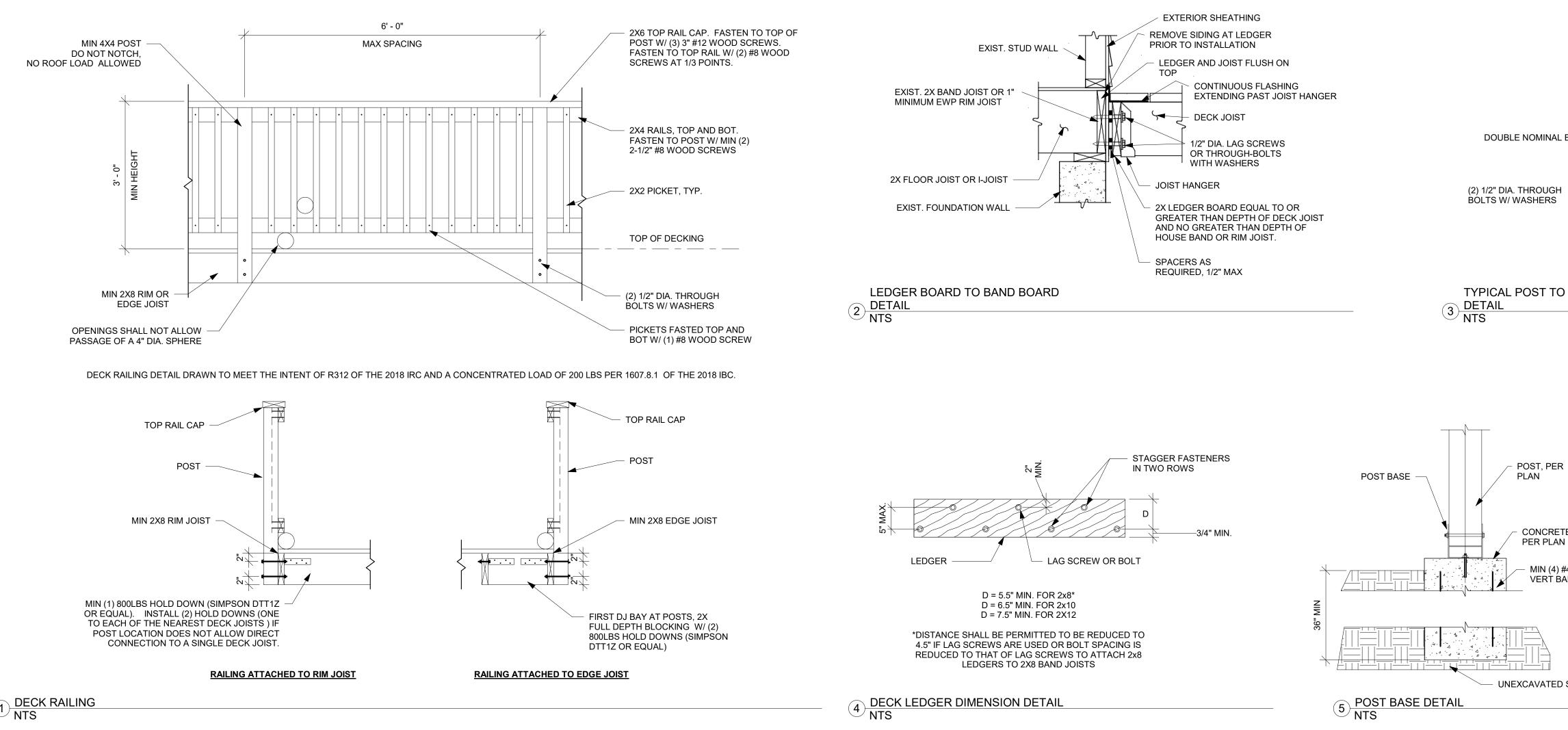




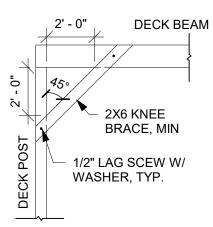
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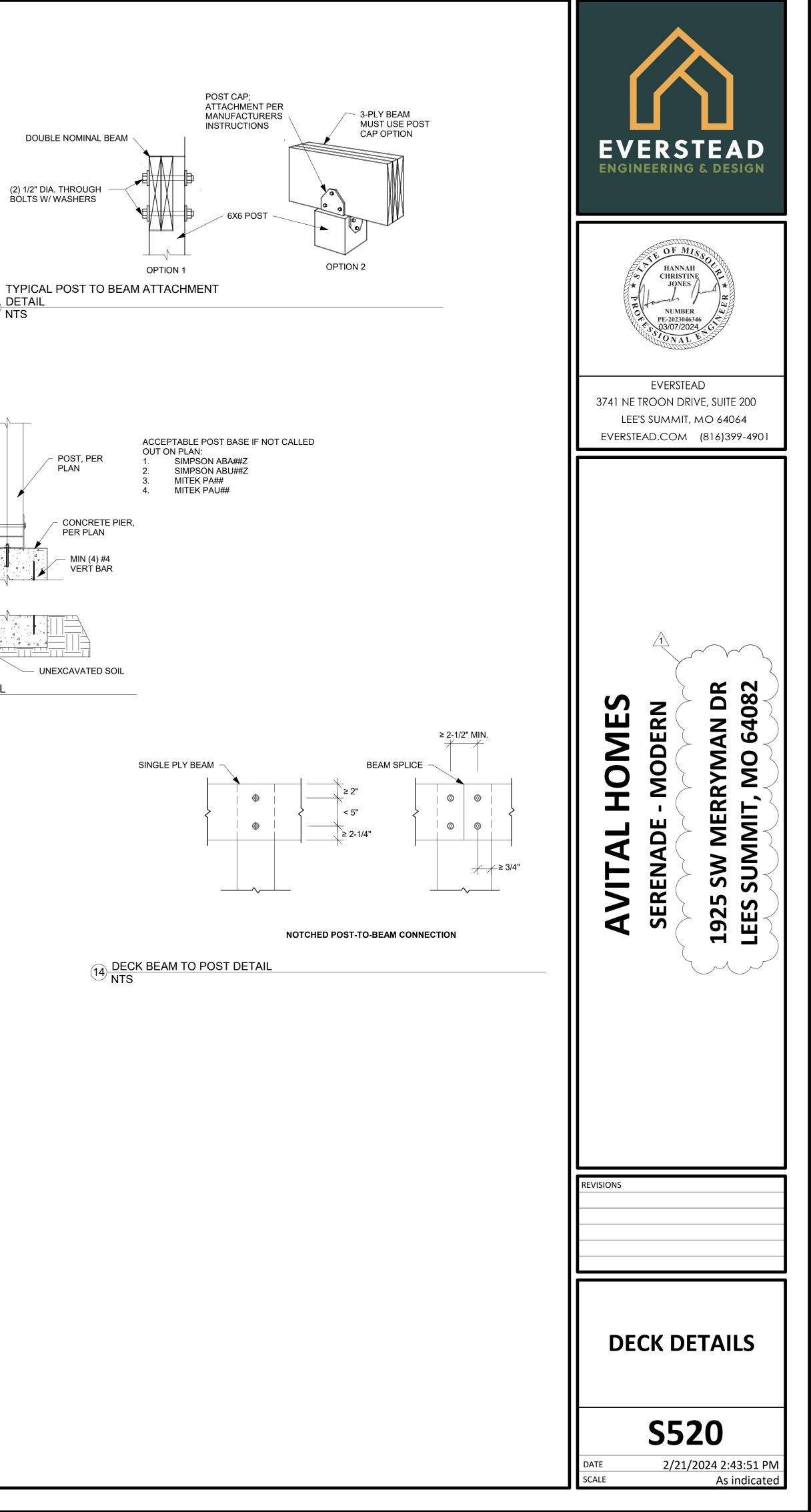


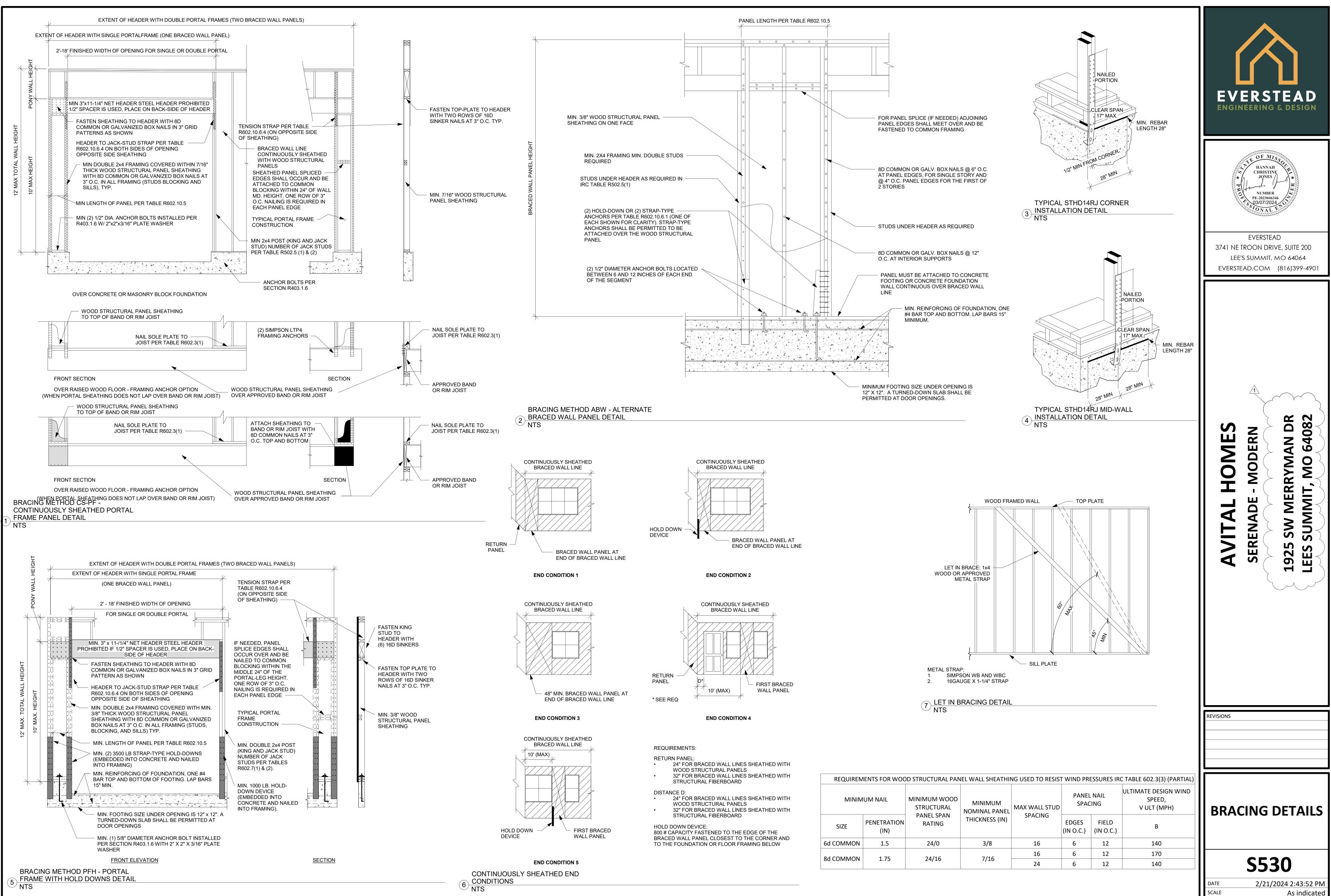




### KNEE BRACING DETAIL NTS

	DECK JOIST SPAN		E R507.6 MON LUMBEI	R SPECIES (F	FT IN.)		
		ALLOWABLE JOIST SPAN			MAXIMUM CANTILEVER		
SPECIES	SIZE	SPACING OF DECK JOISTS (IN.)			SPACING OF DECK JOISTS W/ CANTILEVERS (IN.)		
		12	16	24	12	16	24
	2X6	9-11	9-0	7-7	1-3	1-4	1-6
SOUTHERN	2X8	13-1	11-10	9-8	2-1	2-3	2-5
PINE	2X10	16-2	14-0	11-5	3-4	3-6	2-10
	2X12	18-0	16-6	13-6	4-6	4-2	3-4





	MINIMUM	CONNECTION CRITERIA		
METHODS, MATERIAL	THICKNESS	FASTENERS	SPACING	
WSP - WOOD STRUCTURAL PANEL AND CS-WSP CONTINUOUSLY SHEATHED	3/8" PANEL W/ MINIMUM 24/0 STRUCTURAL PANEL SPAN RATING	6d COMMON NAILS (2.0" x .113") W/ MINIMUM 1.5" PENETRATION	6" EDGES, 12 FIELD	
WOOD STRUCTURAL PANEL	7/16" PANEL W/ MINIMUM 24/16 STRUCTURAL PANEL SPAN RATING	8d COMMON NAILS (2.5" x .131") W/ MINIMUM 1.75" PENETRATION	6" EDGES, 12' FIELD	
PFH - PORTAL FRAME WITH HOLD-DOWNS	3/8"	SEE DETAIL ON THIS PAGE	SEE DETAIL ( 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 ANI BOTTOM PLATI	
		1/2" INTERIOR SHEATHING W/ STUDS AT 16" O.C.: 13 GAGE, 1-3/8" LONG, 19/64" HEAD; .098" DIA., 1-1/4" LONG, ANNULAR-RINGED; 5d COOLER NAIL, .086" DIA., 1-5/8" LONG, 15/64" HEAD; OR GYPSUM BOARD NAIL, .086" DIA. 1-5/8" LONG, 9/32" HEAD PER TABLE R702.3.5 (SEE TABLE FOR OTHER PANEL THICKNESS OPTIONS)	FOR ALL BRAC WALL PANE LOCATIONS: EDGES (INCLUDING T AND BOTTO PLATES) 7" FIE	
GB-GYPSUM BOARD	1/2"	EXTERIOR 1/2" SHEATHING: 1-1/2" GALVANIZED ROOFING NAIL; STAPLE GALVANIZED, 1-1/2" LONG; 1-1/4" SCREWS, TYPE W OR S PER TABLE R602.3(1)		
		EXTERIOR 5/8" SHEATHING: 1-3/4" GALVANIZED ROOFING NAIL; STAPLE GALVANIZED, 1-5/8" LONG; 1-5/8" SCREWS, TYPE W OR S PER TABLE R602.3(1)		

DESCRIPTION OF BUILDING MATERIALS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION OF FASTENERS	DESCRIPTION OF BUILDIN MATERIALS
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	ROOF 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 GIRDER
CEILING JOISTS TO PLATE	4-8d BOX (2-1/2"x0.131") OR 3-8d COMMON (2-1/2"x0.131") OR 3-10 BOX (3"x0.128") OR 3-3"x0.131" NAILS	TOE NAIL	RIM JOIST, BAND JOIST BLOCKING TO SILL OR TOP (ROOF APPLICATIONS AL
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 EACH JOIST
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 ( GIRDER
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-FI ROOF)
ROOF RAFTERS TO	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 JO
RIDGE, VALLEY 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	
	WALL		BUILT-UP GIRDERS AND BEA LUMBER LAYERS
STUD TO STUD (NOT	16d COMMON (3-1/2"x0.162")	24" O.C. FACE NAIL	
AT BRACED WÀLL PANELS)	10d BOX (3"x0.128") OR 3"x0.131" NAIL	16" O.C. FACE NAIL	
STUD TO STUD AND ABUTTING STUDS AT	16d BOX (3-1/2"x0.135") OR 3"x0.131" NAIL	12" O.C. FACE NAIL	
INTERSECTION WALL CORNERS (AT BRACED WALL PANELS)	16d COMMON (3-1/2"x0.162")	16" O.C. FACE NAIL	LEDGER STRIP SUPPORT JOISTS OR RAFTERS
BUILT-UP HEADER, TWO PIECES WITH 1/2" SPACER	16d COMMON (3-1/2"x0.162") 16d BOX (3-1/2"x0.135")	16" O.C. EACH EDGE FACE NAIL	BRIDGING OR BLOCKING JOIST
	100 BOX (3-1/2 X0.133 )		
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 BUILDIN MATERIALS
	16d COMMON (3-1/2"x0.162")	16" O.C. FACE NAIL	WOOD STRUCTUR [SEE TABLE R602.3(3
TOP PLATE TO TOP PLATE	10d BOX (3"x0.128") OR	12" O.C. FACE NAIL	
DOUBLE TOP PLATE SPLICE	3"x0.131" NAIL 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"
BOTTOM PLATE TO JOIST, RIM JOIST,	16d COMMON (3-1/2"x0.162")	16" O.C. FACE NAIL	19/32" - 1"
BAND JOIST, OR BLOCKING (NOT BRACED WALL PANELS)	-16d BOX (3-1/2"x0.135") OR	12" O.C. FACE NAIL	
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST, OR BLOCKING (AT	3"x0.131" NAIL 3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162") OR 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"
BRACED WALL PANELS)	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	4 EACH 16" O.C. FACE NAIL	1/2" STRUCTURAL CELLULO FIBERBOARD SHEATHIN
TOP OR BOTTOM PLATE TO STUD	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	END NAIL	25/32" STRUCTURAL CELLUL FIBERBOARD SHEATHIN
TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	3-3"x0.131" NAILŚ 3-10d BOX (3"x0.128") OR 2-16d COMMON (3-1/2"x0.162") OR 3-3"x0.131" NAILS	FACE NAIL	1/2" GYPSUM INTERIOR COV (R702.3.5)
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	FACE NAIL	5/8" GYPSUM INTERIOR COV (R702.3.5) WOOD STRU
1"x6" SHEATHING TO EACH BEARING	2 STAPLES 1-3/4" 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
	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"
1"x8" AND WIDER SHEATHINGTO 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"

F BUILDING ALS	NUMBER AND TYPE OF FASTENER		ND LOCATION STENERS	
	FLOOR			
OP PLATE, OR ER	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	E NAIL	
D JOIST OR	8d BOX (2-1/2"x0.113")	4" O.C.	TOE NAIL	
OR TOP PLATE TIONS ALSO)	8d COMMON (2-1/2"x0.131") OR 10d BOX (3"x0.128") OR 3"x0.131" NAIL	6" O.C.	TOE NAIL	
OR LESS TO DIST	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	ENAIL	
D JOIST OR R	3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162")	BLIND ANI	D FACE NAIL	
BEAM-FLOOR &	3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162")	AT EACH BEAI	RING FACE NAIL	
ST 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	
	20d COMMON (3"x0.128")	O.C AT TOP END	ER AS FOLLOWS: 32" O AND BOTTOM AND GGERED.	
AND BEAMS, 2" AYERS	10d BOX (3"x0.128") OR 3"x0.131" NAIL	24" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSI SIDES		
	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		
UPPORTING AFTERS	4-16d BOX (3-1/2"x0.135") OR 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, NAIL		
OCKING TO	2-10d BOX (3"x0.128") OR 2-8d COMMON (2-1/2"x0.131") OR 2-3"x0.131" NAILS	EACH END, TOE NAIL		
F BUILDING ALS	NUMBER AND TYPE OF FASTENER	EDGES (IN)	INTERMEDIATE SUPPORTS (IN)	
	LS, SUBFLOOR, ROOF AND INTERIOR WALL SH		IING AND	
	ARTICLEBOARD WALL SHEATHING TO FRAMIN OOD STRUCTURAL PANEL EXTERIOR WALL SH		FRAMING]	
2"	6d COMMON (2"x0.113") NAIL (SUBFLOOR, WALL) OR 8d COMMON (2-1/2"x0.131") NAILS (ROOF) OR RSRS-01 (2-3/8"x0.113") NAIL (ROOF)	6	12	
1"	8d COMMON NAIL (2-1/2"x0.131") OR RSRS-01 (2-3/8"x0.113") NAIL (ROOF)	6	12	
1.4"	10d COMMON (3"x0.148") NAIL OR 8d (2-1/2"x0.131") DEFORMED NAIL	6	12	
	OTHER WALL SHEATHING			
CELLULOSIC HEATHING	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	
L CELLULOSIC HEATHING	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	
IOR COVERING .5)	1-1/2" GALVANIZED ROOFING NAIL: STAPLE GALVANIZED, 1-1/2" LONG; 1-1/4" SCREWS, TYPE "W" OR "S"	7	7	
IOR COVERING .5)	1-3/4" GALVANIZED ROOFING NAIL: STAPLE GALVANIZED, 1-5/8" LONG; 1-5/8" SCREWS, TYPE "W" OR "S"	7	7	
DD STRUCTURAL	PANELS, COMBINATION SUBFLOOR UNDERLAY	MENT TO FRAMIN	G	
.ESS	6d DEFORMED (2"x0.120") NAIL OR 8d COMMON (2-1/2"x0.131") NAIL	6	12	
"	8d COMMON (2-1/2"x0.131") NAIL OR 8d DEFORMED (2-1/2"x0.120") NAIL	6	12	
.1/4"	10d COMMON (3"x0.148") NAIL OR 8d DEFORMED (2-1/2"x0.120") NAIL	6	12	

TABLE R507.9.1.3(2) PLACEMENT OF LAG SCREWS AND BOLTS IN DECK LEDGERS AND BAND JOISTS						
MINIMUM END AND EDGE DISTANCES AND SPACING BETWEEN ROWS (INCHES)						
	TOP EDGE	BOTTOM EDGE	ENDS	ROW SPACING		
LEDGER	2	3/4	2	1-5/8 MIN. 5 MAX		
BAND JOIST	3/4	2	2	1-5/8 MIN 5 MAX		

		EAD & DESIGN
S * PROP	NUMBER PE-202304634 STONAL	
LEE'S	s summit, <i>n</i>	/E, SUITE 200 MO 64064 (816)399-4901
REVISIONS	SERENADE - MODERN	1925 SW MERRYMAN DR LEES SUMMIT, MO 64082
	ASTEN CHED	
DATE	<b>\$55</b>	024 2:43:53 PM 1/4" = 1'-0"

### **GENERAL NOTES**

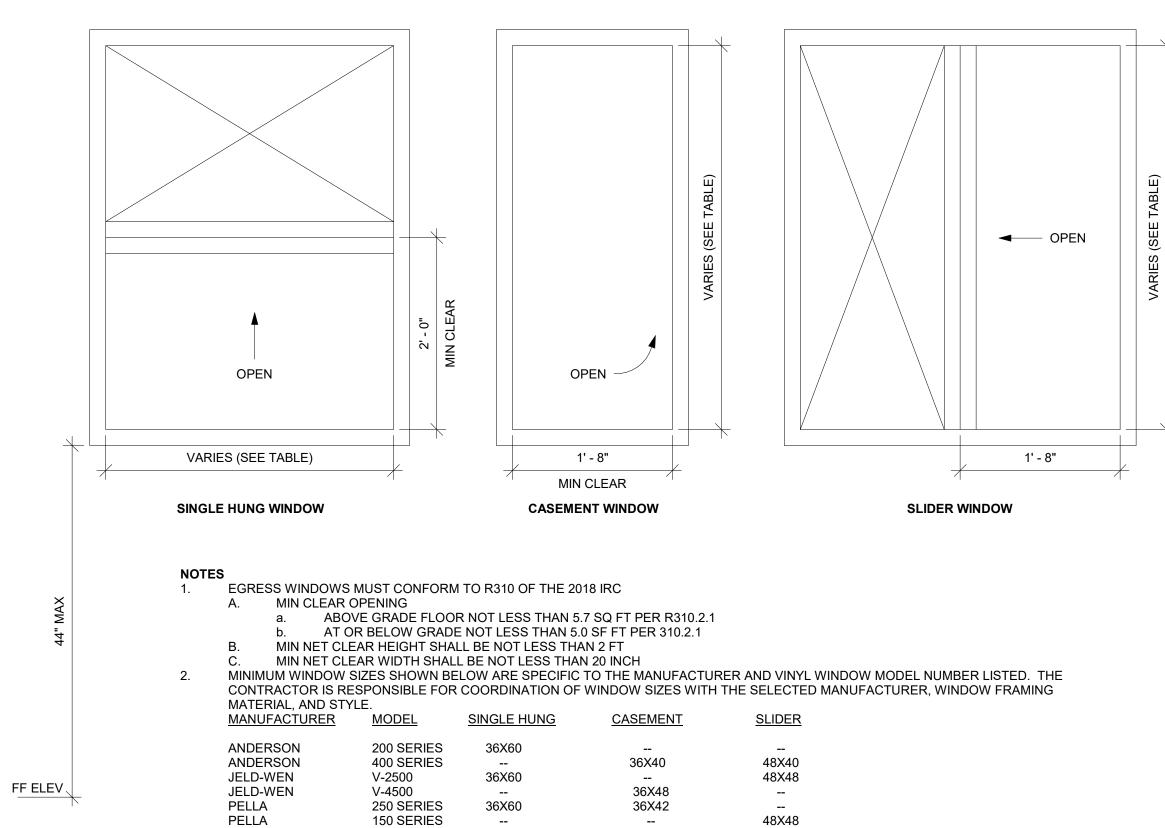
Α.

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

WINDOW EGRESS (NTS)

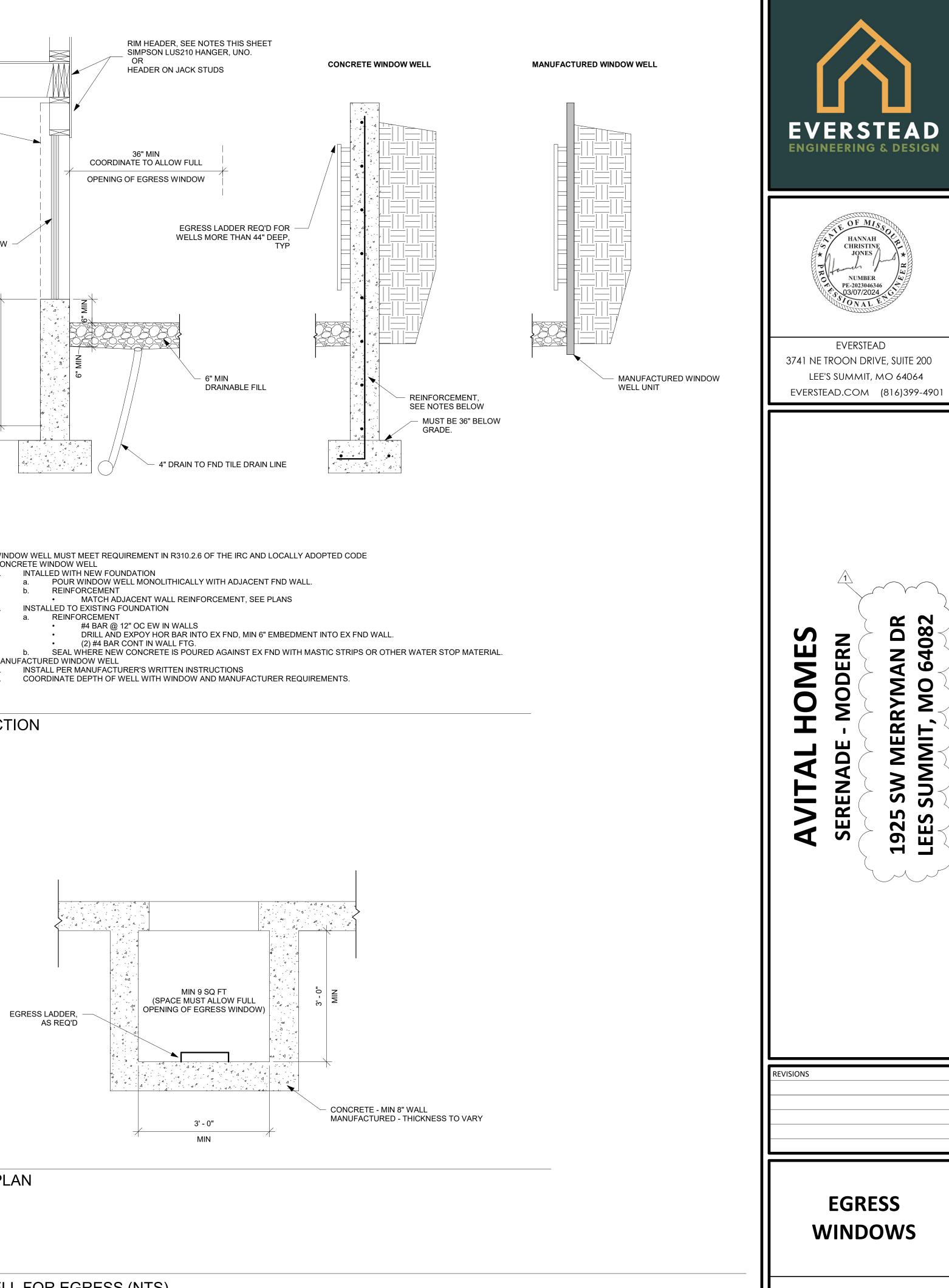
ASSUMES LOADING FOR BUILDING WITH MAXIMIMUM WIDTH OF 36 FT (ROOF WITH 30PSF SNOW LOADS, CEILING, AND TWO FLOORS W/ CENTER BEARING) PER TABLE R602.7(1)

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

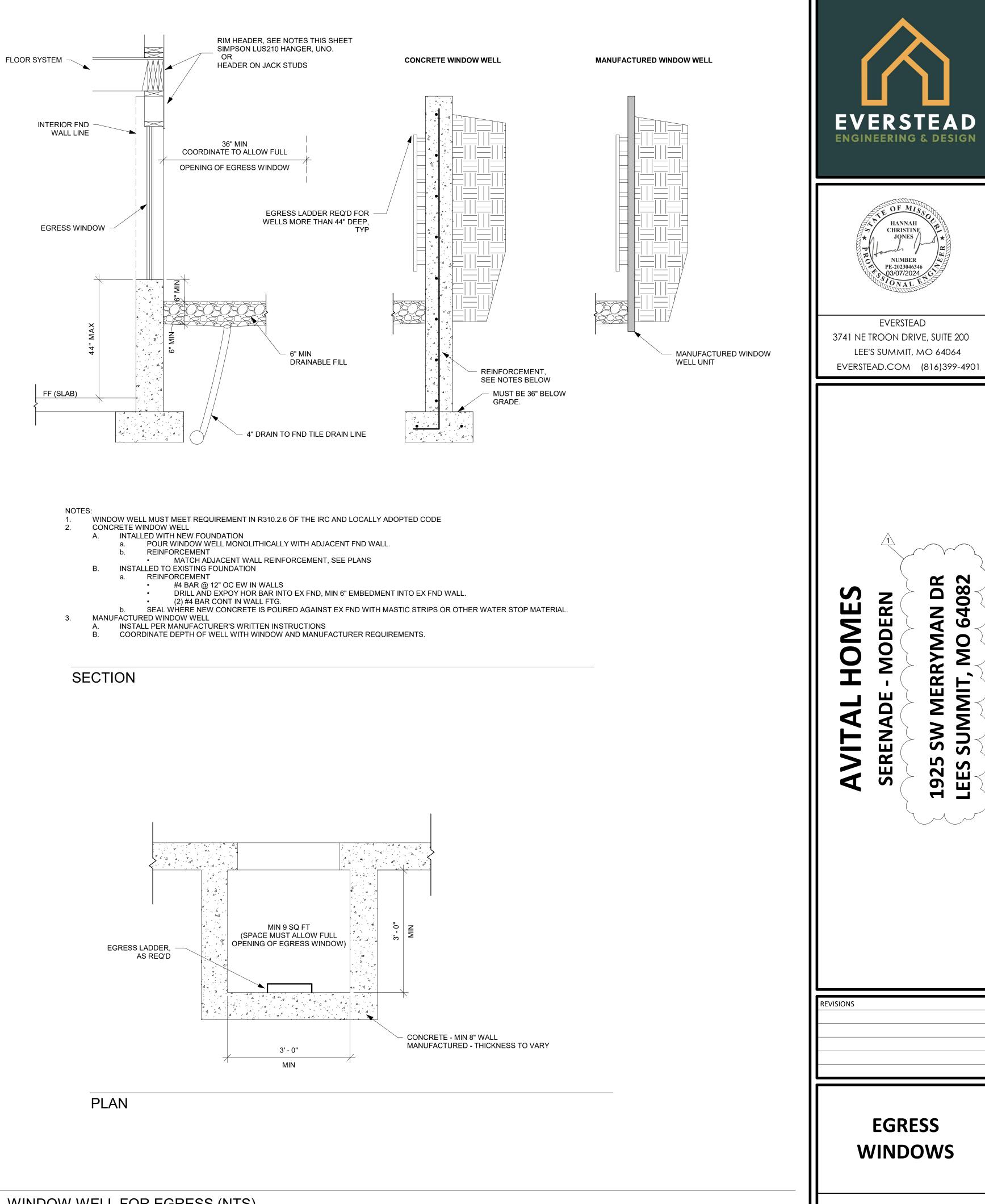


# WINDOW WELL FOR EGRESS (NTS)





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



DATE SCALE 2/21/2024 2:43:53 PM As indicated