

ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APPLICABLE.

ELEVATIONS:

GARAGE DOORS SHALL MEET DASMA FOR ULTIMATE DESIGN WIND SPEED OF 115 MPH REQUIREMENTS. WALL FRAMING SHALL BE DOUGLAS FIR LARCH #2 UNLESS OTHERWISE NOTED.

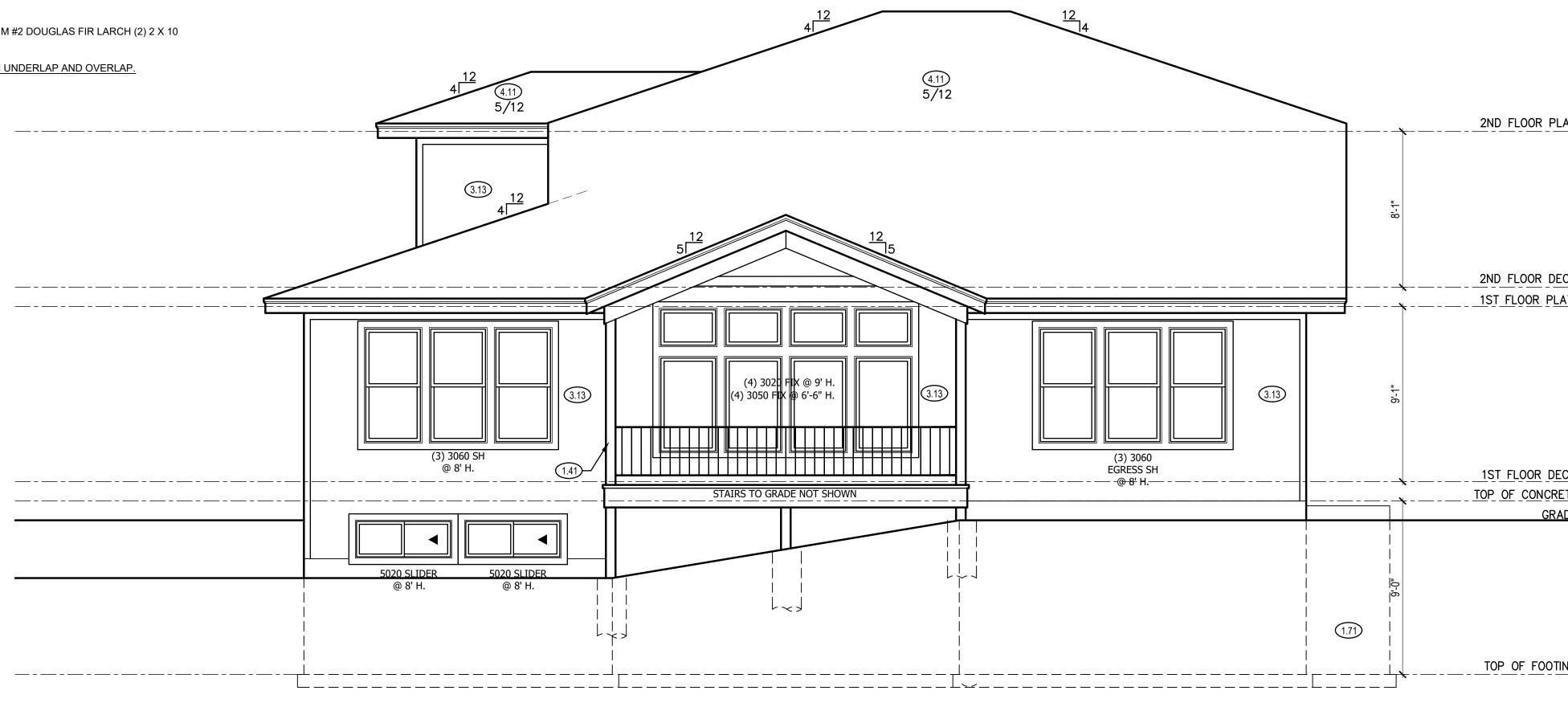
IN BEARING WALLS, STUDS WHICH ARE NOT MORE THAN TEN FEET IN LENGTH SHALL BE SPACED NOT MORE THAN IS SPECIFIED BY IRC TABLE R602.3(5) FOR CORRESPONDING STUD SIZE.

WATER-RESISTIVE EXTERIOR WALL BARRIER IN WALL SECTION SHALL COMPLY WITH IRC R703.2. WHEN APPLICABLE, CONTINUOUS STUDS BETWEEN FLOOR AND ROOF/CEILING

DIAPHRAGM SHALL COMPLY WITH IRC R602.3.

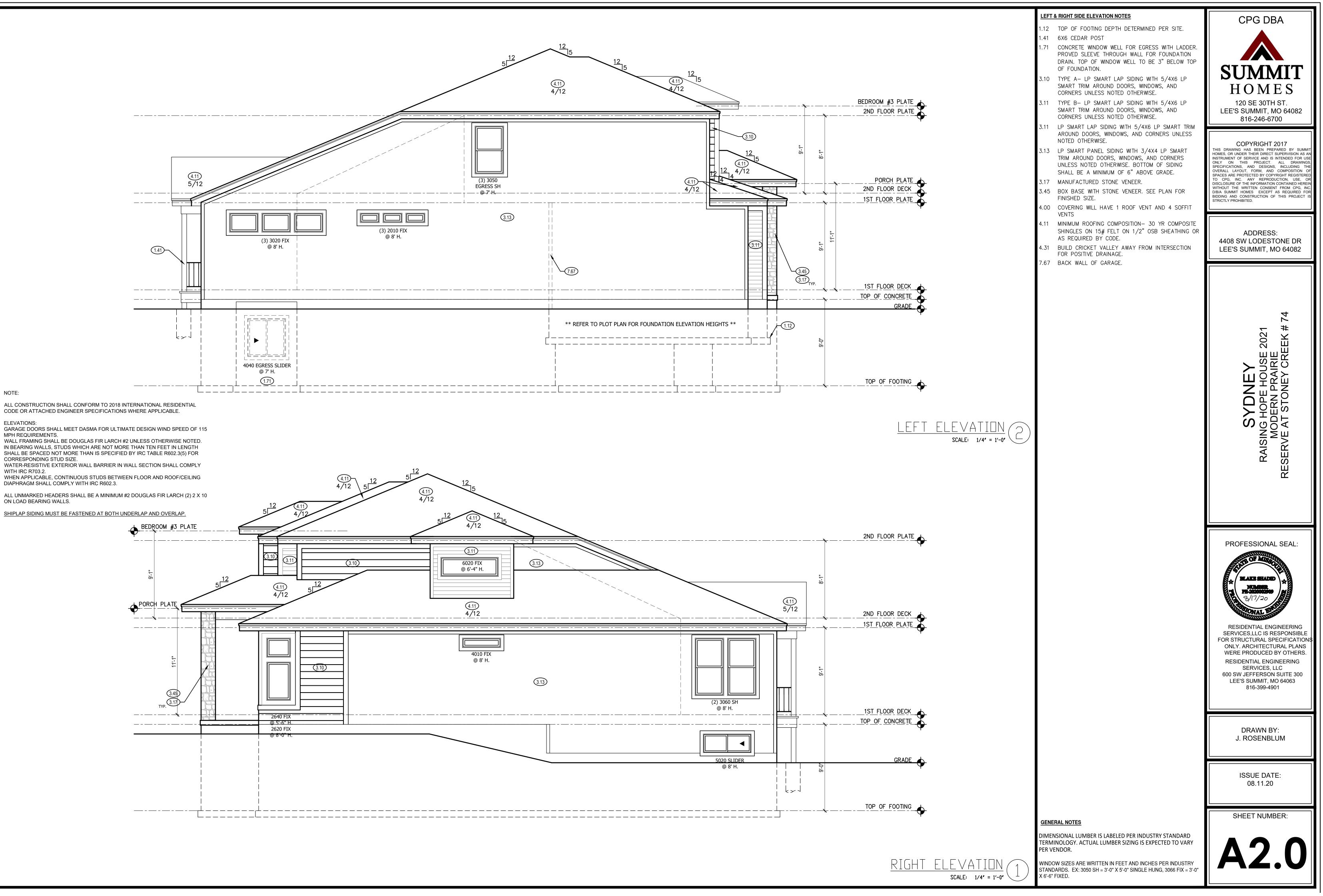
ALL UNMARKED HEADERS SHALL BE A MINIMUM #2 DOUGLAS FIR LARCH (2) 2 X 10 ON LOAD BEARING WALLS.

SHIPLAP SIDING MUST BE FASTENED AT BOTH UNDERLAP AND OVERLAP.



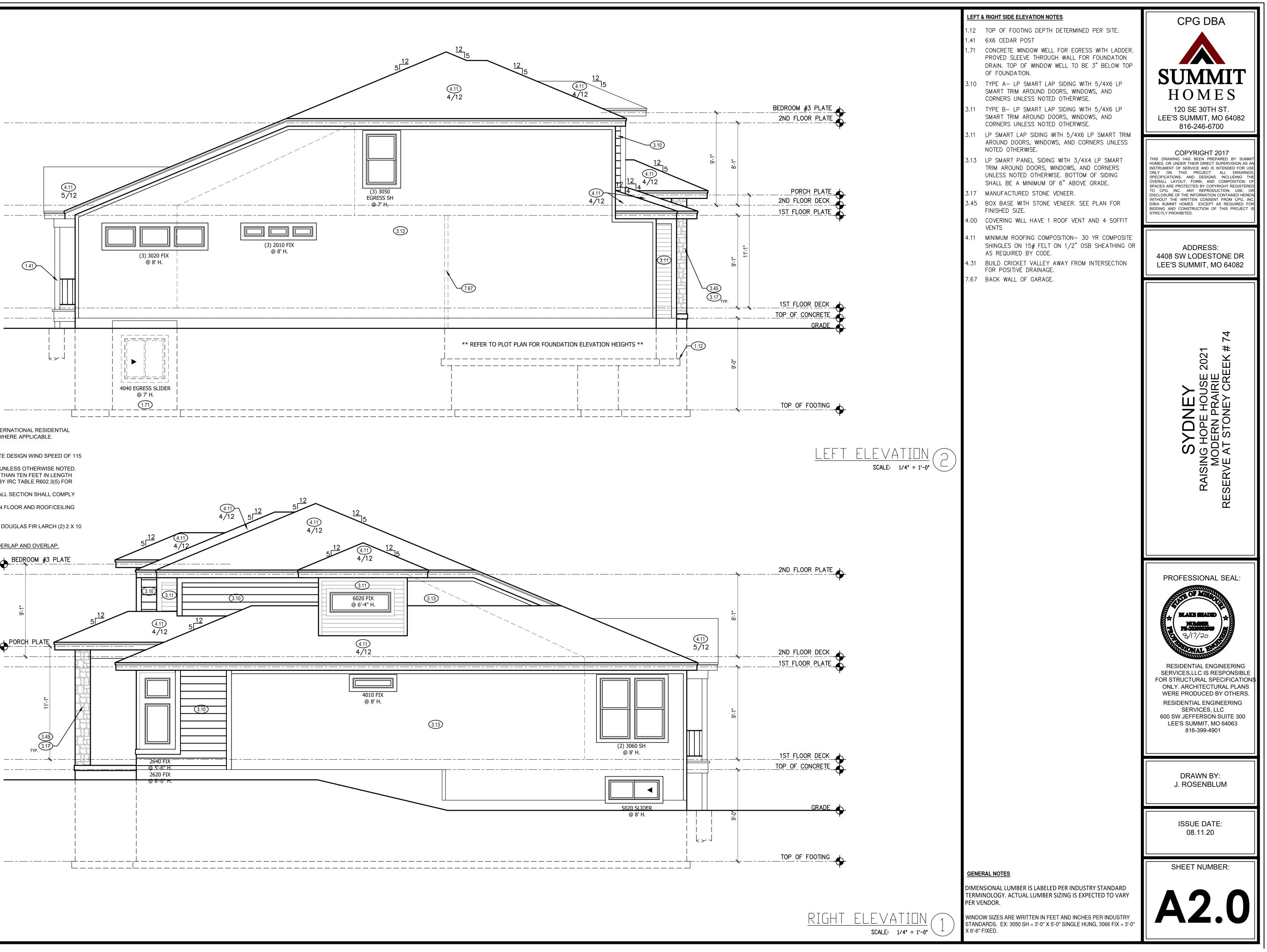
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	FRONT & REAR ELEVATION NOTES	CPG DBA
	 1.12 TOP OF FOOTING DEPTH DETERMINED PER SITE. 1.41 6X6 CEDAR POST 1.71 CONCRETE WINDOW WELL FOR EGRESS WITH LADDER. PROVED SLEEVE THROUGH WALL FOR FOUNDATION 	
	 DRAIN. TOP OF WINDOW WELL TO BE 3" BELOW TOP OF FOUNDATION. 2.61 5/4"X8" LP SMART TRIM. 1 1/2" ARCH ON GARAGE DOOR TRIM UNLESS NOTED OTHERWISE ON ELEVATION. 	SUMMIT HOMES
	 ELEVATION. 3.10 TYPE A- LP SMART LAP SIDING WITH 5/4X6 LP SMART TRIM AROUND DOORS, WINDOWS, AND CORNERS UNLESS NOTED OTHERWISE. 3.11 TYPE B- LP SMART LAP SIDING WITH 5/4X6 LP 	120 SE 30TH ST. LEE'S SUMMIT, MO 64082 816-246-6700
	 SMART TRIM AROUND DOORS, WINDOWS, AND CORNERS UNLESS NOTED OTHERWISE. 3.13 LP SMART PANEL SIDING WITH 3/4X4 LP SMART TRIM AROUND DOORS, WINDOWS, AND CORNERS UNLESS NOTED OTHERWISE. BOTTOM OF SIDING SHALL BE A MINIMUM OF 6" ABOVE GRADE. 3.17 MANUFACTURED STONE VENEER. 3.45 BOX BASE WITH STONE VENEER. SEE PLAN FOR FINISHED SIZE. 4.00 COVERING WILL HAVE 1 ROOF VENT AND 4 SOFFIT 	COPYRIGHT 2017 THIS DRAWING HAS BEEN PREPARED BY SUMMIT HOMES, OR UNDER THEIR DIRECT SUPERVISION AS AN INSTRUMENT OF SERVICE AND IS INTENDED FOR USE ONLY ON THIS PROJECT. ALL DRAWINGS, SPECIFICATIONS, AND DESIGNS, INCLUDING THE OVERALL LAYOUT, FORM, AND COMPOSITION OF SPACES ARE PROTECTED BY COPYRIGHT REGISTERED TO CPG, INC. ANY REPRODUCTION, USE, OR DISCLOSURE OF THE INFORMATION CONTAINED HEREIN WITHOUT THE WRITTEN CONSENT FROM CPG, INC. D/B/A SUMMIT HOMES EXCEPT AS REQUIRED FOR BIDDING AND CONSTRUCTION OF THIS PROJECT IS STRICTLY PROHIBITED.
	 VENTS 4.11 MINIMUM ROOFING COMPOSITION- 30 YR COMPOSITE SHINGLES ON 15# FELT ON 1/2" OSB SHEATHING OR AS REQUIRED BY CODE. 4.31 BUILD CRICKET VALLEY AWAY FROM INTERSECTION FOR POSITIVE DRAINAGE. 	ADDRESS: 4408 SW LODESTONE DR LEE'S SUMMIT, MO 64082
		V USE 2021 IRIE CREEK # 74
$\frac{\operatorname{RMG}}{\operatorname{ONT}} \oplus $		YDNEY HOPE HOUS ERN PRAIR STONEY O
SCALE: 1/4" = 1'-0"	GENERAL NOTES DIMENSIONAL LUMBER IS LABELED PER INDUSTRY STANDARD TERMINOLOGY. ACTUAL LUMBER SIZING IS EXPECTED TO VARY PER VENDOR. WINDOW SIZES ARE WRITTEN IN FEET AND INCHES PER INDUSTRY STANDARDS. EX: 3050 SH = 3'-0" X 5'-0" SINGLE HUNG, 3066 FIX = 3'-0" X 6'-6" FIXED.	S RAISING F MOD RESERVE AT
	SHEET INDEX	PROFESSIONAL SEAL:
	 A1. FRONT AND REAR ELEVATION A2. LEFT AND RIGHT ELEVATION A3. FOUNDATION FLOOR PLAN A4. MAIN LEVEL PLAN A5. UPPER LEVEL PLAN A6. ROOF PLAN 	RESIDENTIAL ENGINEERING SERVICES,LLC IS RESPONSIBLE
ECK _	A2. LEFT AND RIGHT ELEVATION A3. FOUNDATION FLOOR PLAN A4. MAIN LEVEL PLAN A5. UPPER LEVEL PLAN A6. ROOF PLAN FINISHED	RESIDENTIAL ENGINEERING
ECK _	 A2. LEFT AND RIGHT ELEVATION A3. FOUNDATION FLOOR PLAN A4. MAIN LEVEL PLAN A5. UPPER LEVEL PLAN A6. ROOF PLAN 	RESIDENTIAL ENGINEERING SERVICES,LLC IS RESPONSIBLE FOR STRUCTURAL SPECIFICATIONS ONLY. ARCHITECTURAL PLANS WERE PRODUCED BY OTHERS. RESIDENTIAL ENGINEERING
Ŷ	A2. LEFT AND RIGHT ELEVATION A3. FOUNDATION FLOOR PLAN A4. MAIN LEVEL PLAN A5. UPPER LEVEL PLAN A6. ROOF PLAN FINISHED MAIN FLOOR 2083 UPPER LEVEL 930 FINISHED STAIRS TO LOWER LEVEL 20	RESIDENTIAL ENGINEERING SERVICES,LLC IS RESPONSIBLE FOR STRUCTURAL SPECIFICATIONS ONLY. ARCHITECTURAL PLANS WERE PRODUCED BY OTHERS. RESIDENTIAL ENGINEERING SERVICES, LLC 600 SW JEFFERSON SUITE 300 LEE'S SUMMIT, MO 64063
	A2. LEFT AND RIGHT ELEVATION A3. FOUNDATION FLOOR PLAN A4. MAIN LEVEL PLAN A5. UPPER LEVEL PLAN A6. ROOF PLAN MAIN FLOOR 2083 UPPER LEVEL 930 FINISHED STAIRS TO LOWER LEVEL 20 TOTAL 3033 UNFINISHED 1885 COVERED DECK 217	RESIDENTIAL ENGINEERING SERVICES,LLC IS RESPONSIBLE FOR STRUCTURAL SPECIFICATIONS ONLY. ARCHITECTURAL PLANS WERE PRODUCED BY OTHERS. RESIDENTIAL ENGINEERING SERVICES, LLC 600 SW JEFFERSON SUITE 300 LEE'S SUMMIT, MO 64063 816-399-4901
	A2. LEFT AND RIGHT ELEVATION A3. FOUNDATION FLOOR PLAN A4. MAIN LEVEL PLAN A5. UPPER LEVEL PLAN A6. ROOF PLAN MAIN FLOOR 2083 UPPER LEVEL 930 FINISHED 2083 UPPER LEVEL 930 FINISHED STAIRS TO LOWER LEVEL 20 TOTAL 3033 UNFINISHED 1885 COVERED DECK 217 GARAGE 647	RESIDENTIAL ENGINEERING SERVICES, LLC IS RESPONSIBLE FOR STRUCTURAL SPECIFICATIONS ONLY. ARCHITECTURAL PLANS WERE PRODUCED BY OTHERS. RESIDENTIAL ENGINEERING SERVICES, LLC 600 SW JEFFERSON SUITE 300 LEE'S SUMMIT, MO 64063 816-399-4901 DRAWN BY: J. ROSENBLUM



SHIPLAP SIDING MUST BE FASTENED AT BOTH UNDERLAP AND OVERLAP.

ON LOAD BEARING WALLS.



NOTE:

ELEVATIONS:

WITH IRC R703.2.

MPH REQUIREMENTS.

CORRESPONDING STUD SIZE.

DIAPHRAGM SHALL COMPLY WITH IRC R602.3.

ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APPLICABLE.

FOUNDATION NOTES: ALL FOOTINGS MEET OR EXCEED MINIMUM FROST DEPTH OF 36".

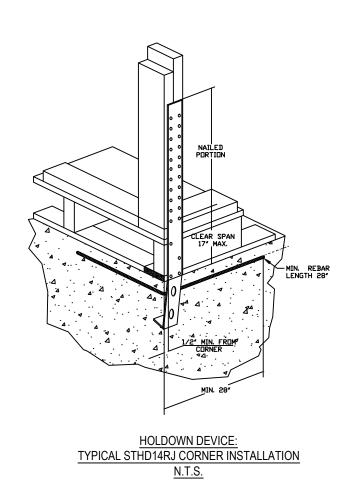
SOIL BEARING CAPACITY SHALL BE 2000 PSF. COMPRESSIVE STRENGTH OF CONCRETE F'C COMPRESSIVE STRENGTH SHALL BE AS SPECIFIED IN IRC TABLE R402.2. REQUIRED AIR ENTRAINMENT SHALL BE 5-7%. ALL FOUNDATION WALLS ENCLOSING BELOW GRADE SPACE SHALL BE DAMPPROOFED. DAMPPRROFING SHALL EXTEND FROM THE EDGE OF THE FOOTING TO THE FINISHED GRADE (R-406.1). METHOD OF DAMPPROOFING OR WATERPROOFING SHALL BE A MINIMUM 6-MIL THICK MOISTURE BARRIER OVER POROUS GRAVEL BASE UNDER BASEMENT FLOOR SLAB PER R405.2.2. LAP JOINTS SHALL BE A MINIMUM 6".

FOUNDATION WALLS SHALL BE DAMPPROOFED PER IRC SECTION R406. FOUNDATION DRAINAGE WILL BE IN ACCORDANCE WITH WITH IRC SECTION R405. BASEMENT EGRESS OPENINGS SHALL BE IN ACCORDANCE WITH IRC SECTION R310.1

ALL INTERIOR FOOTINGS OF LOAD BEARING WALLS AND COLUMNS SHALL BE ISOLATED FROM THE BASEMENT FLOOR SLAB. ALL ANCHOR BOLTS SHALL NOT BE SPACED MORE THAN 6' O.C. AND BE EMBEDDED INTO THE CONCRETE A MINIMUM OF 7".

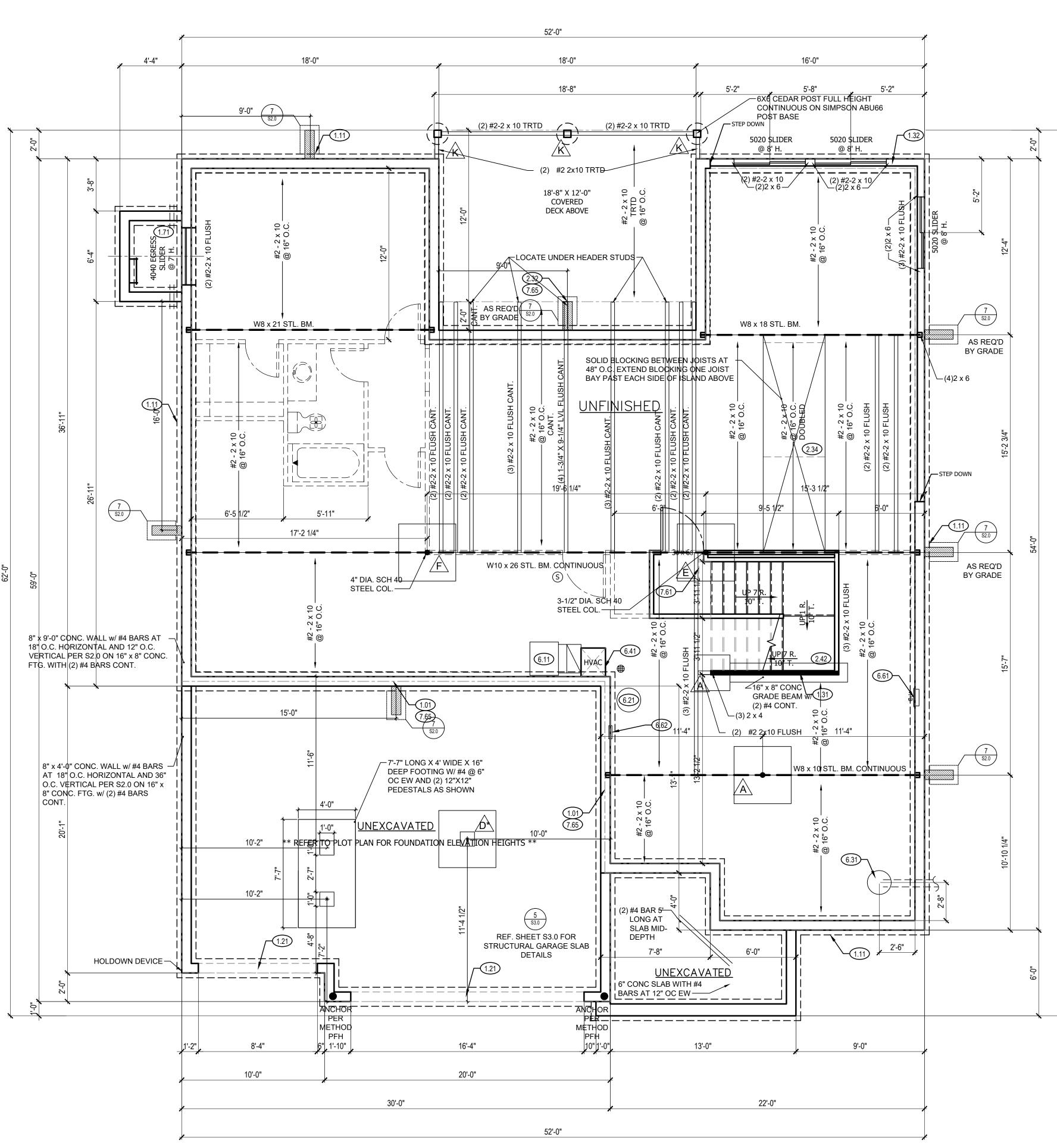
ALL UNMARKED HEADERS SHALL BE A MINIMUM #2 DOUGLAS FIR LARCH (2) 2 X 10 ON LOAD BEARING WALLS.

BACKFILL SHALL NOT BE PLACED AGAINST THE WALL UNTIL THE WALL HAS SUFFICIENT STRENGTH OR HAS BEEN SUFFICIENTLY BRACED TO PREVENT DAMAGE BY BACKFILL.



IS	DLATE	D	FΟI		ING	S	AND	COLU	MN PADS
SYM	PIER PAD SIZE	DE	PTH	RE		RCE	IIMUM MENT I STE	GRADE	SCHEDULE 40 STEEL COLUMN, MIN FY = 36KSI
	30″×30″	1'	″−0 <i>″</i>		(5)	#4	BAR	E.W.	3″ DIAMETER
B	36″×36″	1'	′−0″		(6)	#4	BAR	E.W.	3″ DIAMETER
	42″×42″	1'	-2″		(7)	#4	BAR	E.W.	3″ DIAMETER
	48″×48″	1'	-4″		(8)	#4	BAR	E.W.	3″ DIAMETER
	48″×48″	1'	-4″		(8)	#4	BAR	E.W.	N/A
Æ	54″×54″	1'	-4″		(9)	#4	BAR	E.W.	3.5″ DIAMETER
F	60″×60″	1′	-6″		(10)	#4	BAR	E.W.	3.5″ DIAMETER
IS	GLATE	D	F۵	ΠT	ING	S	AND	COLL	IMN PADS
SYM	PIER DIAMETE	ER	DEP	ТΗ	MINI	MUM		NFORCEN Ksi ste	1ENT GRADE 40 EL
G	12″		3'-1	0″			(4)	VERTIC	AL #4
	16″		3'-1	0″			(4)	VERTIC	AL #4
\bigtriangleup	18″		3'-1	0″			(4)	VERTIC	AL #4
Ŕ	24″		3'-1	0″			(4)	VERTIC	AL #4
\triangle	28″		3'-1	0″			(4)	VERTIC	AL #4
COLUM	IN AND PA	DS	SIZES	AR	E FOF	RAN	IAXIM	UM COLU	MN HEIGHT OF 10

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



FOUNDATION

	FOUNDATION PLAN NOTES	
	 1.01 HOLD SILL PLATE BACK 4" 1.11 CONTINUOUS CONCRETE FOOTING 1.21 RECESS TOP OF FOUNDATION WALL 1.31 2X4 STUD WALL WITH TREATED SILL PLATE 1.32 2X6 STUD WALL WITH TREATED SILL PLATE 1.71 CONCRETE WINDOW WELL FOR EGRESS WITH LADDER. PROVED SLEEVE THROUGH WALL FOR FOUNDATION 	CPG DBA
	 DRAIN. TOP OF WINDOW WELL TO BE 3" BELOW TOP OF FOUNDATION. 2.32 INSULATE CANTILEVER AS REQUIRED PRIOR TO BLOCKING 2.34 PROVIDE ADDITIONAL BRACING FOR ISLAND ABOVE. 2.42 FIRE RATED SHEETROCK UNDER STAIRS 5.51 DRAIN LINE ONLY FOR FUTURE USE. LOCATION TO 	HOMES 120 SE 30TH ST. LEE'S SUMMIT, MO 64082 816-246-6700
	 BE MARKED WITH REBAR AND CUT FLUSH TO FLOOR FINISH. 6.11 DIRECT FURNACE. FUEL BURNING APPLIANCES SHALL BE DIRECT VENTED TO EXTERIOR FOR COMBUSTION AIR. 6.21 HOT WATER HEATER WITH THERMAL EXPANSION CONTROL DEVICE 6.31 SUMP PIT AND PUMP. PROVIDE ELECTRICAL GFCI 	COPYRIGHT 2017 THIS DRAWING HAS BEEN PREPARED BY SUMMIT HOMES, OR UNDER THEIR DIRECT SUPERVISION AS AN INSTRUMENT OF SERVICE AND IS INTENDED FOR USE ONLY ON THIS PROJECT. ALL DRAWINGS, SPECIFICATIONS, AND DESIGNS, INCLUDING THE OVERALL LAYOUT, FORM, AND COMPOSITION OF SPACES ARE PROTECTED BY COPYRIGHT REGISTERED TO CPG, INC. ANY REPRODUCTION, USE, OR DISCLOSURE OF THE INFORMATION CONTAINED HEREIN WITHOUT THE WRITTEN CONSENT FROM CPG, INC. D/BIA SUMMIT HOMES EXCEPT AS REQUIRED FOR BIDDING AND CONSTRUCTION OF THIS PROJECT IS STRICTLY PROHIBITED.
	 PROTECTION. PROVIDE SLEEVE THROUGH FOOTING. 6.41 HVAC CHASE ABOVE 6.61 200 AMP ELECTRICAL PANEL. LOCATION TO BE DETERMINED ON SITE. 6.62 UFER GROUND- VERIFY LOCATION WITH PROJECT MANAGER. 7.61 DASHED LINE REPRESENTS STAIRS ABOVE 7.65 LINE OF FLOOR ABOVE 	ADDRESS: 4408 SW LODESTONE DR LEE'S SUMMIT, MO 64082
		SYDNEY RAISING HOPE HOUSE 2021 MODERN PRAIRIE RESERVE AT STONEY CREEK # 74
		PROFESSIONAL SEAL: Image: Description of the seade of the
	<u>GENERAL NOTES</u> BACK WATER VALVES REQUIRED ON ALL BASEMENT PLUMBING FIXTURES. PROVIDE MEANS OF CONTROLLING PRESSURE CAUSED BY THERMAL EXPANSION.	DRAWN BY: J. ROSENBLUM
	ALL SILLS & SLEEPERS SUPPORTED ON CONCRETE OR MASONRY SHALL BE OF DECAY-RESISTANT MATERIALS. DIMENSIONAL LUMBER IS LABELED PER INDUSTRY STANDARD TERMINOLOGY. ACTUAL LUMBER SIZING IS EXPECTED TO VARY PER VENDOR.	ISSUE DATE: 08.11.20
$\frac{[\square N P A N}{\text{SCALE:} 1/4'' = 1'-0''}$	ALL INTERIOR NON-LOAD BEARING, NON-BRACED, NON-CABINET WALLS ARE ALLOWED AT 24" O.C. SMOKE AND CARBON MONOXIDE DETECTORS SHOW ON PLANS ARE TO BE CONSIDERED RECOMMENDATIONS ONLY. FINAL PLACEMENT IS TO BE DETERMINED BY MUNICIPAL REQUIREMENTS. WINDOW SIZES ARE WRITTEN IN FEET AND INCHES PER INDUSTRY STANDARDS. EX: 3050 SH = 3'-0" X 5'-0" SINGLE HUNG, 3066 FIX = 3'-0" X 6'-6" FIXED.	SHEET NUMBER:

ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APPLICABLE.

ALL UNMARKED HEADERS SHALL BE A MINIMUM #2 DOUGLAS FIR LARCH (2) 2 X 10 ON LOAD BEARING WALLS.

DETAILS AND NOTES: BASEMENT EGRESS WINDOWS ARE TO COMPLY WITH IRC R310.2.

WINDOW FALL PROTECTION REQUIREMENTS TO COMPLY WITH SECTION R612.2.

STAIRS SHALL COMPLY WITH IRC R311.7. THE MAXIMUM RISER HEIGHT OF STAIRWAYS SHALL NOT EXCEED 7-3/4" AND THE TREADS SHALL PROVIDE A MINIMUM TREAD DEPTH OF 10" (IRC 2018 R311.7.5.1). SELF CLOSING DEVICES ARE REQUIRED FOR GARAGE TO

DWELLING SEPARATION DOORS. STEEL COLUMNS WILL BE A MINIMUM OF SCHEDULE 40.

ENERGY REQUIREMENTS SHALL CONFORM TO THE IRC CHAPTER 11.

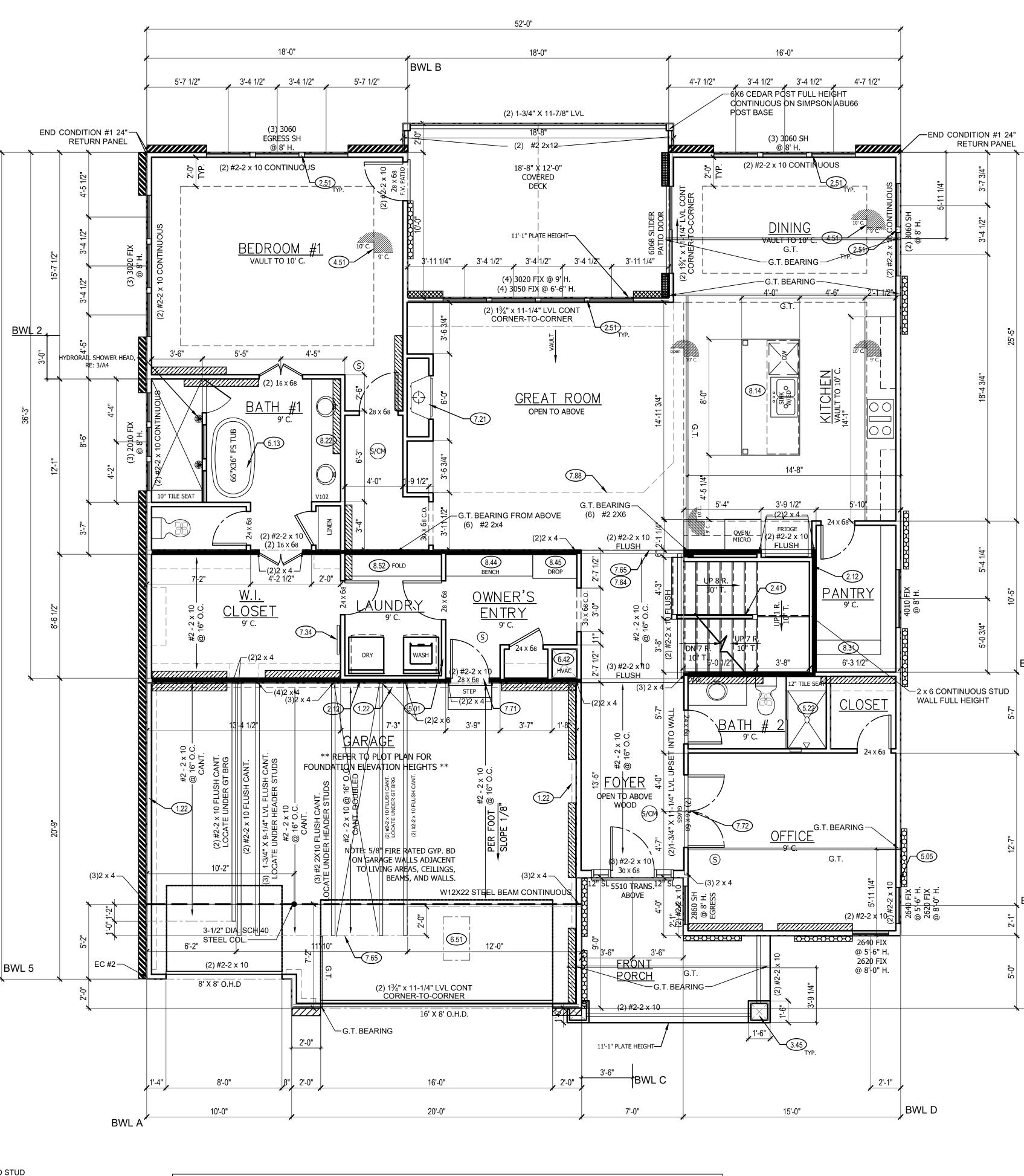
SECURITY SHALL CONFORM TO IRC R326/KCBRC. AN ACCESSIBLE CONNECTION POINT WILL BE PROVIDED TO A 20 FOOT CONCRETE ENCASED ELECTRODE (FOOTING REBAR) FOR THE ELECTRICAL SERVICE GROUNDING ELECTRODE CONDUCTOR (UFER GROUND). CARBON MONOXIDE DETECTORS WILL BE PROVIDED IN ACCORDANCE WITH IRC SECTION R315. THE BUILDING THERMAL ENVELOPE IS REQUIRED TO BE SEALED(2018 IRC SECTION N1102.4.1 AND TABLE N1102.4.1.1). DUCTS, AIR HANDLERS, FILTER BOXES AND BUILDING CAVITIES USED AS DUCTS SHALL BE SEALED (2018 IRC SECTION N1103.2.2)

FLOOR PLANS:

LEDGERS(FLOOR AND CEILING) SHALL BE IN ACCORDANCE WITH IRC 507. ALL CANTILIEVERS SHALL HAVE AT LEAST A 3:1 BACK SPAN. A MINIMUM OF DOUBLE JOIST UNDER EACH BEARING WALL IS REQUIRED.

ALL WALLS UNDER 12' SHALL BE DOUGLAS FIR LARCH #2 2X4 STUDS AT 16" O.C. FULL HEIGHT CONTINUOUS (UNLESS OTHERWISE NOTED).

ALL WALLS 12' AND OVER SHALL BE DOUGLAS FIR #2 (M-12) LUMBER 2x6 STUDS AT 16" O.C. FULL HEIGHT CONTINUOUS (UNLESS OTHERWISE NOTED).



	IF	RC TABLE	N1102.1.2 (R402.	1.2) INSULA	TION AND FENEST	RATION R	EQUIREME	NTS BY COMPI	DNENT (PART)	AL)
CLIMATE ZONE		SKYLIGHT [♭] U-FACTOR	GLAZED FENESTRATION SHGC ^{b, e}	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUÉ	FLOOR R-VALUE	BASEMENT [°] WALL R-VALUE	SLAB R-VALUE	CRAWL SPAC⊾ WALL R-VALUE
4 EXCEPT MARINE	.32	.55	.40	49	20 DR 13+5	8/13	19	10/13	10, 2 FT	10/13

INTERIOR LOAD BEARING WALL (EXTERIOR WALLS ARE ASSUMED LOAD BEARING)

EXTERIOR BRACING CS-PF PER IRC R602.10 FOR CS-PF ABOVE: WOOD STRUCTURAL PANEL SHEATHING CONTINUOUS OVER

BRACING METHODS

BAND JOIST OR RIM JOIST WITH MINIMUM LAP OF 9-1/4". ATTACH SHEATHING WITH MINIMUM 8D COMMON NAILS AT 3" O.C. AT TOP AND BOTTOM OF BAND/RIM JOIST.

EXTERIOR BRACING CS-WSP PER IRC R602.10 EXTERIOR BRACING WSP PER IRC R602.10 (INCLUDES PARTIAL

11:111:111:11

PANELS PER IRC R602.10.5.2) INTERIOR BRACING LIB PER IRC R602.10 EXTERIOR BRACING PFH (SEE DETAILS) PER IRC R602.10.5 EXTERIOR WALL BRACING 15/32" PANEL THICKNESS OSB WITH 24/0 STRUCTURAL PANEL SPAN RATING. 1-3/8" MIN PEN, 8d FASTENERS AT 6" FOR PANEL EDGES AND 12" IN FIELD. INSTALL BLOCKING AT

MIDHEIGHT OF WALL. WOOD STRUCTURAL PANEL SHEATHING CONTINUOUS OVER BAND JOIST OR RIM JOIST WITH MINIMUM LAP OF 9-1/4". ATTACH SHEATHING WITH MINIMUM 8D COMMON NAILS AT 3" O.C. AT TOP AND BOTTOM OF BAND/RIM JOIST.

EC#2 - END CONDITION #2 SHALL BE ONE OF THE FOLLOWING DEVICES ATTACHED TO THE END STUD OF THE BRACED WALL PANEL CLOSEST TO CORNER IF NOT NOTED OTHERWISE : 2ND FLOOR AND/OR MAIN FLOOR ALONG WALKOUT/DAYLIGHT WALL - 800 # MINIMUM TENSION STRAP INSTALLED PER MANUFACTURER'S SPECS MAIN FLOOR TO FOUNDATION WALL - STHD14 EMBEDDED HOLDOWN INSTALLED PER MANUFACTURER'S SPECS

	MAIN FLOOR PLAN NOTES 1.22 EXPOSED TOP OF FOUNDATION WALL.	CPG DBA
	2.12 2X6 STUD WALL	
	2.41 CURB STAIR SYSTEM WITH OPEN HANDRAILS2.51 3 STUDS BETWEEN WINDOW UNITS	
	3.45 BOX BASE WITH STONE VENEER. SEE PLAN FOR	CTINANATT
	FINISHED SIZE. 4.51 SINGLE BOX VAULT	SUMMIT
	5.01 PLUMBING FOR WASHER ON INTERIOR WALL.	HOMES
	5.05 HOSE BIBB 5.13 FREE STANDING TUB: SEE PLAN FOR DETAILS.	120 SE 30TH ST. LEE'S SUMMIT, MO 64082
	5.22 TILE BASE WITH TILE WALLS. SEE DETAIL.	816-246-6700
	6.42 HVAC – BUMP TRUSSES AS NECESSARY FOR HVAC ACCESS.	
	6.51 1'-10"X3'-0" MINIMUM ATTIC ACCESS WITH 3/4"	COPYRIGHT 2017 THIS DRAWING HAS BEEN PREPARED BY SUMMIT
BWL 1	BACKER BOARD AND 2 LATCHES. BUMP TRUSSES FOR ATTIC ACCESS.	HOMES, OR UNDER THEIR DIRECT SUPERVISION AS AN INSTRUMENT OF SERVICE AND IS INTENDED FOR USE ONLY ON THIS PROJECT. ALL DRAWINGS,
	7.21 DIRECT VENT FIREPLACE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. FIREPLACE	SPECIFICATIONS, AND DESIGNS, INCLUDING THE OVERALL LAYOUT, FORM, AND COMPOSITION OF SPACES ARE PROTECTED BY COPYRIGHT REGISTERED
	PLATFORM DIMENSIONS 7 $\frac{3}{4}$ " TALL, 37" WIDE, 16" DEEP. INSTALL INSULATION AND AIR BARRIER BEHIND	TO CPG, INC. ANY REPRODUCTION, USE, OR DISCLOSURE OF THE INFORMATION CONTAINED HEREIN WITHOUT THE WRITTEN CONSENT FROM CPG, INC. D/B/A SUMMIT HOMES EXCEPT AS REQUIRED FOR
	PLATFORM.	BIDDING AND CONSTRUCTION OF THIS PROJECT IS STRICTLY PROHIBITED.
	7.34 FRAMED MIRROR7.64 LINE OF BALCONY ABOVE	
	7.65 LINE OF FLOOR ABOVE	
	7.71 20 MINUTE FIRE RATED SOLID CORE WITH SELF-CLOSING HINGES	ADDRESS: 4408 SW LODESTONE DR
	7.72 FLAT ASTRAGAL LOCK- +1" ON ROUGH OPENING	LEE'S SUMMIT, MO 64082
	FOR UPPER DOOR LOCK 7.88 CHANGE IN FLOORING MATERIAL	
	8.11 24" CABINET + 12" OVERHANG FLAT ISLAND. VERIFY	
	LOCATION WITH PERSONAL BUILDER. 8.14 24" CABINET + 24" OVERHANG WITH LEGS. VERIFY	
	LOCATION WITH PERSONAL BUILDER.	
	8.22 CONTINUOUS FLAT VANITY8.31 PANTRY PREP COUNTER	F 74
	8.44 BENCH WITH COAT HOOKS	2021 EEK #
	8.45 DROP ZONE/CHARGING STATION8.52 FOLDING TABLE	
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28-0		SIN VE
		SY RAISING H MODE SERVE AT (
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BWL 3		
BWL 3		
BWL 3	INSTALL HYDRORAIL SYSTEM PER MANUFACTURE PEOLIDEMENTS	
BWL 3	HYDRORAIL SYSTEM	
BWL 3	HYDRORAIL SYSTEM PER MANUFACTURE REQUIREMENTS. ONE VALVE, TWO SHOWER HEADS. CONNECT HAND	PROFESSIONAL SEAL:
BWL 3	HYDRORAIL SYSTEM PER MANUFACTURE REQUIREMENTS. ONE VALVE, TWO SHOWER HEADS. CONNECT HAND HELD UNIT AT BOTTOM OF RAIL AND STATIC UNIT AT TOP OF RAIL.	PROFESSIONAL SEAL:
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ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APPLICABLE.

ALL UNMARKED HEADERS SHALL BE A MINIMUM #2 DOUGLAS FIR LARCH (2) 2 X 10 ON LOAD BEARING WALLS.

DETAILS AND NOTES: BASEMENT EGRESS WINDOWS ARE TO COMPLY WITH IRC R310.2.

WINDOW FALL PROTECTION REQUIREMENTS TO COMPLY WITH SECTION R612.2. STAIRS SHALL COMPLY WITH IRC R311.7. THE MAXIMUM

RISER HEIGHT OF STAIRWAYS SHALL NOT EXCEED 7-3/4" AND THE TREADS SHALL PROVIDE A MINIMUM TREAD DEPTH OF 10" (IRC 2018 R311.7.5.1). SELF CLOSING DEVICES ARE REQUIRED FOR GARAGE TO

DWELLING SEPARATION DOORS. STEEL COLUMNS WILL BE A MINIMUM OF SCHEDULE 40.

ENERGY REQUIREMENTS SHALL CONFORM TO THE IRC CHAPTER 11.

SECURITY SHALL CONFORM TO IRC R326/KCBRC. AN ACCESSIBLE CONNECTION POINT WILL BE PROVIDED TO A 20 FOOT CONCRETE ENCASED ELECTRODE (FOOTING REBAR) FOR THE ELECTRICAL SERVICE GROUNDING ELECTRODE CONDUCTOR (UFER GROUND). CARBON MONOXIDE DETECTORS WILL BE PROVIDED IN ACCORDANCE WITH IRC SECTION R315. THE BUILDING THERMAL ENVELOPE IS REQUIRED TO BE SEALED(2018 IRC SECTION N1102.4.1 AND TABLE N1102.4.1.1). DUCTS, AIR HANDLERS, FILTER BOXES AND BUILDING

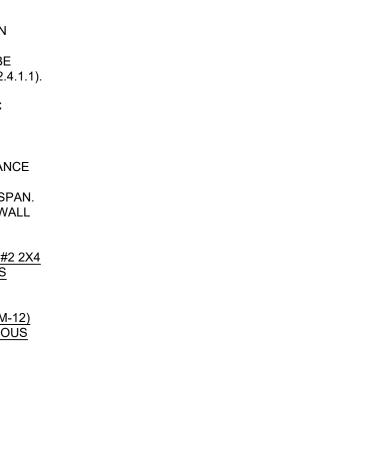
CAVITIES USED AS DUCTS SHALL BE SEALED (2018 IRC SECTION N1103.2.2)

FLOOR PLANS:

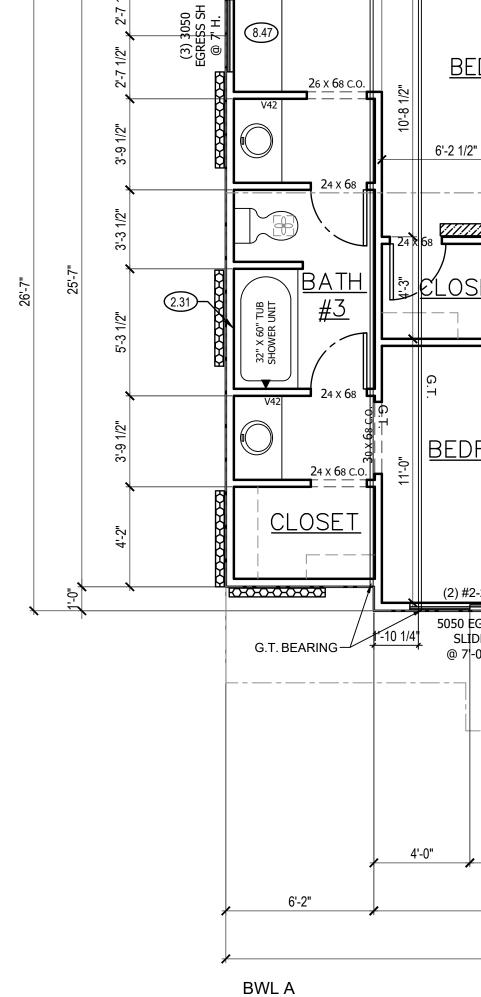
LEDGERS(FLOOR AND CEILING) SHALL BE IN ACCORDANCE WITH IRC 507. ALL CANTILIEVERS SHALL HAVE AT LEAST A 3:1 BACK SPAN. A MINIMUM OF DOUBLE JOIST UNDER EACH BEARING WALL IS REQUIRED.

ALL WALLS UNDER 12' SHALL BE DOUGLAS FIR LARCH #2 2X4 STUDS AT 16" O.C. FULL HEIGHT CONTINUOUS (UNLESS OTHERWISE NOTED).

ALL WALLS 12' AND OVER SHALL BE DOUGLAS FIR #2 (M-12) LUMBER 2x6 STUDS AT 16" O.C. FULL HEIGHT CONTINUOUS (UNLESS OTHERWISE NOTED).



7.66



EXTERIOR BRACING CS-PF PER IRC R602.10

BRACING METHODS

FOR CS-PF ABOVE: WOOD STRUCTURAL PANEL SHEATHING CONTINUOUS OVER BAND JOIST OR RIM JOIST WITH MINIMUM LAP OF 9-1/4". ATTACH SHEATHING WITH MINIMUM 8D COMMON NAILS AT 3" O.C. AT TOP AND BOTTOM OF BAND/RIM JOIST.

PANELS PER IRC R602.10.5.2)

EXTERIOR BRACING CS-WSP PER IRC R602.10 EXTERIOR BRACING WSP PER IRC R602.10 (INCLUDES PARTIAL

INTERIOR BRACING LIB PER IRC R602.10 EXTERIOR BRACING PFH (SEE DETAILS) PER IRC R602.10.5 EXTERIOR WALL BRACING 15/32" PANEL THICKNESS OSB WITH 24/0 STRUCTURAL PANEL SPAN RATING. 1-3/8" MIN PEN, 8d FASTENERS AT 6" FOR PANEL EDGES AND 12" IN FIELD. INSTALL BLOCKING AT BASE AND TOP OF WINDOW. WOOD STRUCTURAL PANEL SHEATHING CONTINUOUS OVER BAND JOIST OR RIM JOIST WITH MINIMUM LAP

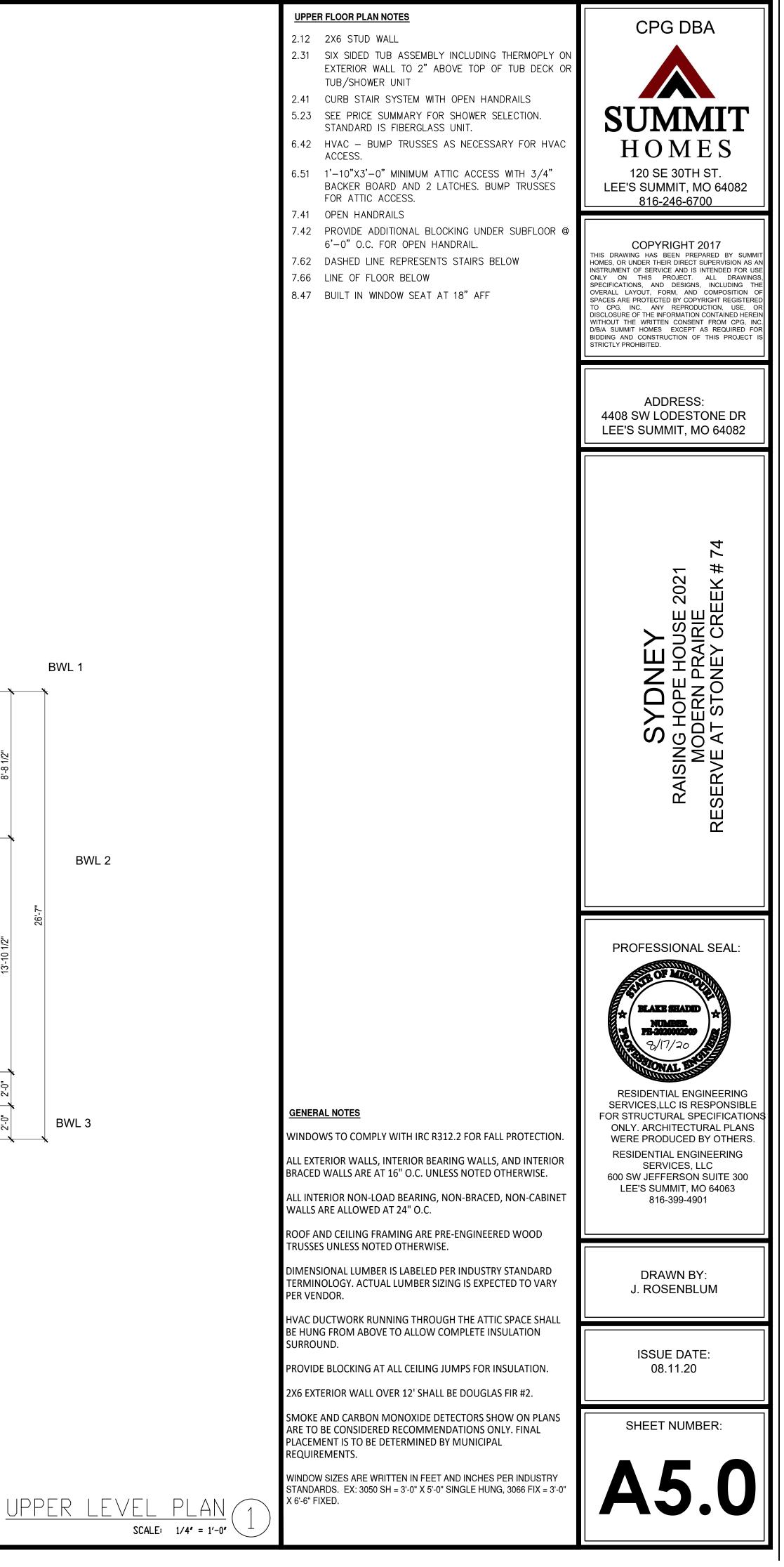
OF 9-1/4". ATTACH SHEATHING WITH MINIMUM 8D COMMON NAILS AT 3" O.C. AT TOP AND BOTTOM OF BAND/RIM JOIST.

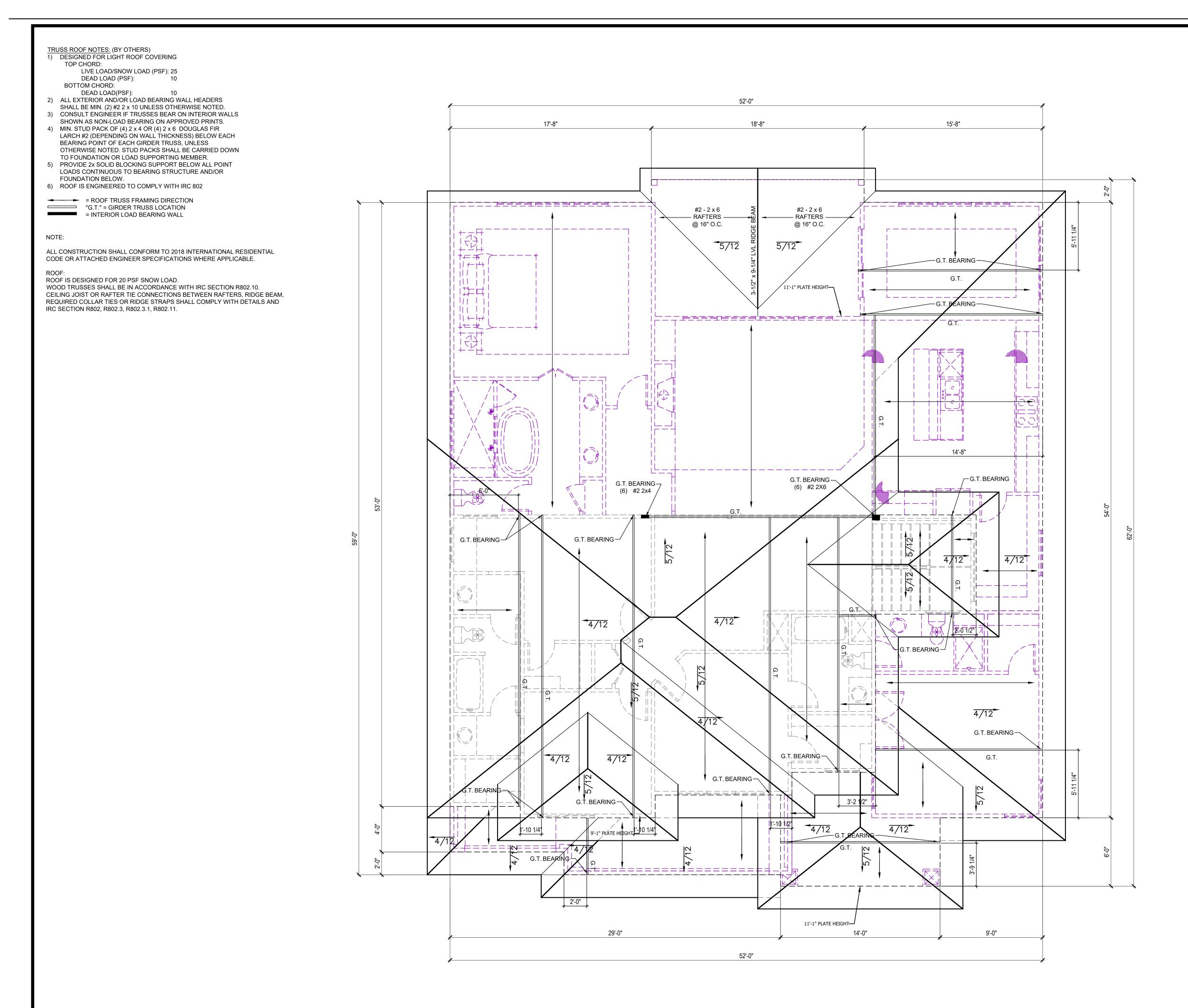
EC#2 - END CONDITION #2 SHALL BE ONE OF THE FOLLOWING DEVICES ATTACHED TO THE END STUD OF THE BRACED WALL PANEL CLOSEST TO CORNER IF NOT NOTED OTHERWISE : 2ND FLOOR AND/OR MAIN FLOOR ALONG WALKOUT/DAYLIGHT WALL - 800 # MINIMUM TENSION STRAP INSTALLED PER MANUFACTURER'S SPECS MAIN FLOOR TO FOUNDATION WALL - STHD14 EMBEDDED HOLDOWN INSTALLED PER MANUFACTURER'S SPECS

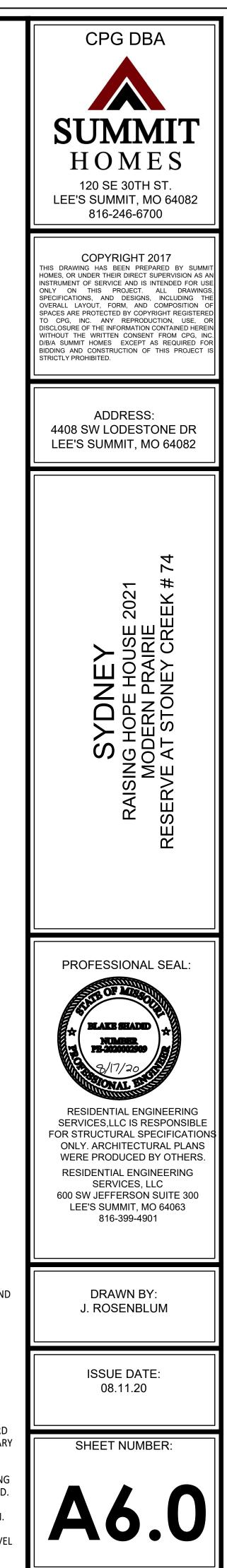
INTERIOR LOAD BEARING WALL (EXTERIOR WALLS ARE ASSUMED LOAD BEARING)

G.T. BEARING G.T. BEARING G.	С.	7.41 7.62 11 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 132" x 60" TUB 11 132" x 60" TUB 11 14 11 15 11 14 11 14 11 14 11 15 11 16 11 17 11 17 11 18 11 19 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 12 11 13 11 14 11 14 11 15 11 15 11 16 11 <	DOWNER DOWNER DOWNER COLORO DOWNER C DOWNER C C C C C C C C C C C C C	2.12 H 4 2.12 XI 2.12 XI 2.12 XI 2.12 0.09 © 2 x 6 CONTINUOUS ST WALL FULL HEIGHT	8-8 1/2"	B\
BWL A	7.66 4'-6 1/2" 3'-9" 3'-8 1/2" 12'-0" 46'-2"	7'-4"	8'-10" BWL B	e BWL C		

	IRC TABLE N1102.1.2 (R402.1.2) INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT (PARTIAL)									
CLIMATE ZONE	FENESTRATION U-FACTOR ^⁵	SKYLIGHT [♭] U-FACTOR	GLAZED FENESTRATION SHGC ^{b,e}	CEILING R-∨ALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUÉ	FLOOR R-VALUE	BASEMENT [°] WALL R-VALUE	SLAB R-VALUE	CRAWL SPACE WALL R-VALUE
4 EXCEPT MARINE	.32	.55	.40	49	20 DR 13+5	8/13	19	10/13	10, 2 FT	10/13







GENERAL NOTES

<u>ROOF PLAN</u>

SCALE: 1/4" = 1'-0"

ROOF AND CEILING FRAMING ARE PRE-ENGINEERED ROOF TRUSSES.

ASPHALT SHINGLES MIN 2/12. FLASH ALL PENETRATIONS AND INTERSECTIONS.

VENT EACH ENCLOSED ATTIC SPACE. NET AREA OPENING = 1/50TH OF VENTED AREA OR 1/300TH IF 580% OF VENTING NEAR TOP.

BUILD CRICKET VALLEY AWAY FROM INTERSECTION FOR POSITIVE DRAINAGE. SEE FRAMING SPECIFICATIONS FOR DETAILS.

DIMENSIONAL LUMBER IS LABELED PER INDUSTRY STANDARD TERMINOLOGY. ACTUAL LUMBER SIZING IS EXPECTED TO VARY PER VENDOR.

HVAC DUCTWORK RUNNING THROUGH ATTIC SHALL BE HUNG FROM ABOVE TO ALLOW COMPLETE INSULATION SURROUND.

PROVIDE BLOCKING AT ALL CEILING JUMPS FOR INSULATION.

PROVIDE FOAM INSULATION AT EXTERIOR WHERE MAIN LEVEL ROOF LINE MEETS UPPER LEVEL WALLS.

GENERAL NOTES

PLANS SHALL COMPLY WITH THE 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) WITH AMENDMENTS AS ADOPTED BY THE APPROPRIATE GOVERNING JURISDICTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IF ANY CHANGES OR DEVIATIONS FROM THE PLAN ARE MADE DURING CONSTRUCTION. THE ENGINEER OF RECORD MAY REQUIRE REVISED DRAWING OR CALCULATIONS AT ITS DISCRETION.

IF DISCREPANCIES ARE IDENTIFIED THE MOST CONSERVATIVE SPECIFICATION SHALL APPLY.

LOADING

DEAD		
LIGHT ROOF	10 PSF	
HEAVY ROOF	+10 PSF	(CONCRETE, SLATE, TILE)
ROOF + CEILING (NO STORAGE)	15 PSF	
ROOF + CEILING (STORAGE)	20 PSF	
CEILING JOISTS (STORAGE)	10 PSF	
EXTERIOR BACONIES / DECK	10 PSF	
INTERIOR FLOOR (MAIN FLOOR)	15 PSF	
INTERIOR FLOOR (UPPER FLOORS)	10 PSF	
8" THICK MASONRY WALL	80 PSF	
6" THICK MASONRY WALL	85 PSF	
EXTERIOR LIGHT FRAMED WOOD WALLS	15 PSF	
INTERIOR LIGHT FRAMED WOOD WALLS	10 PSF*	
*(INTERIOR WALLS II	NCLUDED IN	15 PSF DEAD LOAD)
LIVE		

LIVE

ROOF LIVE LOAD	15 PSF	
FLOOR LIVE LOAD	40 PSF	(HABITABLE)
GARAGE	50 PSF	
STORAGE	20 PSF	(UN-INHABITABLE)
GUARDRAIL		
CONTINUOUS LINEAR	50 PLD	
MAXIMUM POINTLOAD	200 LBS	
SNOW		
GROUND SNOW LOAD	20 PSF	
WIND		

ULTIMATE DESIGN WIND SPEED VELOCITY 115 MPH EXPOSURE CATEGORY

SOIL AND SITE ASSUMPTIONS:

- FOUNDATION DESIGN ASSUME A MINIMUM SOIL BEARING PRESSURE FOR THE SITE OF 2,000 PSF CONTRACTOR TO VISUALLY INSPECT SITE OR PROVIDE GEOTECHNICAL INVESTIGATION TO VERIFY MINIMUM ACCEPTABLE SOIL CONDITIONS SW, SP, SM, SC, GM, AND GX AS DEFINED PER IRC TABLE R301.5. THE CONTRACTOR IS RESPONSIBLE FOR ANY SOIL CONDITION THAT DOES NOT MEET THE MINIMUM REQUIREMENTS AND CONTACTING THE ENGINEER OF RECORD.
- PROVIDE A MINIMUM SOIL COVER OF <u>36 INCHES</u> MEASURED FROM THE BOTTOM OF CONCRETE ON ALL FOUNDATIONS.
- ACCESSORY STRUCTURES WITH AN EAVE HEIGHT LESS THAN 10'-0" AND AN AREA LESS THAN 600 FT² MAT PROVIDE A MINIMUM SOIL COVER OF 12 INCHES MEASURED FROM THE BOTTOM OF CONCRETE.
- 4. SITE GRADING SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM THE STRUCTURE AT A MINIMUM OF 0.5%.
- 5. LATERAL SOIL PRESSURES
- ACTIVE 30 PSF AT-REST 60 PSF

PASSIVE 150 PSF

FOUNDATION NOTES:

FOUNDATION ANCHORAGE (IRC 403.1.6)

SILL PLATES SHALL BE BOLTED TO THE FOUNDATION WALL WITH A MINIMUM 1/2" DIAMETER ANCHOR BOLTS EMBEDDER AT LEAST 7" INTO THE CONCRETE. BOLTS SHALL BE SPACED NO GREATER THAN 6' 0.C. THERE SHALL BE A MINIMUM OF TWO BOLTS PER PLATE SECTION, WITH A BOLT PLACED WITHIN 12" AND NOT CLOSER THAN 7 BOLT DIAMETERS. OF THE END OF EACH PLATE SECTION. A PROPERLY SIZED NUT AND WASHER SHALL BE TIGHTENED ON EACH BOLT TO THE PLATE, (NOTE: 7" EMBEDMENT + 1-1/2" SILL PLATE + 3/4" FOR NUT AND WASHER EXCEEDS A 9" LONG BOLT.)

WALL BRACING METHODS PER IRC R602 MAY REQUIRE ADDITIONAL ANCHORAGE.

CONCRETE SLABS PLACED ON FILL MATERIAL WHICH EXCEEDS 24" OF COMPACTED GRANULATED MATERIAL (SAND OR GRAVEL) OR 8" OF EARTH: THIS MAY OCCUR AT GARAGE FLOOR FILLS. OR OVER EXCAVATED AREAS UNDER FLOOR SLABS. THE DESIGN AND INSTALLATION DETAILS IN THIS DOCUMENT (WHERE APPLICABLE BASED ON SIZE AND SPACING LIMITATIONS) MAY BE USED IN LIEU OF PROVIDING A SEPARATE DESIGN. STRUCTURAL SLABS EXCEEDING THE SPANS AND CONDITIONS OF THE APPROVED DETAILS SHALL BE DESIGNED BY A

SLABS AT MAX 4' OVER-DIG ADJACENT TO FOUNDATION WALL: WHERE SOIL IS EXCAVATED FOR A MAXIMUM DIMENSION OF 4' HORIZONTALLY ADJACENT TO A FOUNDATION WALL, THE STANDARD OVER-DIG DETAIL MAY BE USED IN LIEU OF A COMPLETE STRUCTURAL SLAB. SEE "TYPICAL FOOTING/FOUNDATION WALL/STANDARD SLAB AT MAX 4' OVER-DIG DIAGRAM FOR DETAILS.

VAPOR RETARDER / BARRIER (IRC R506.2.3)

PROFESSIONAL ENGINEER.

A 6 MIL POLYETHYLENE OR APPROVED VAPOR RETARDER WITH JOINTS LAPPED A MINIMUM OF 6" IS REQUIRED BETWEEN THE CONCRETE FLOOR SLAB AND THE BASE COURSE OR PREPARED SUBGRADE, (NOT REQUIRED FOR GARAGE SLABS OR DETACHED ACCESSORY BUILDINGS)

FOUNDATION AND LOT GRADING (IRC R401.3)

GRADES SHALL BE SLOPED AWAY FROM THE FOUNDATION A MINIMUM OF 6" IN THE FIRST 10'. ALTERNATE APPROACHES MAY BE APPROVED IF THE ALTERNATE DESIGN IS EQUIVALENT IN EFFECTIVENESS AND PERFORMANCE, AND PROVIDES FOR POSITIVE SITE DRAINAGE.

IRC R403.1.4

- THE BOTTOM OF ALL FOOTINGS SHALL EXTEND NOT LESS THAN 36" BELOW GRADE FOR FROST
- PROTECTION. FOOTINGS FOR FREESTANDING ACCESSORY STRUCTURES WITH AN AREA OF 600 SF OR LESS AND AN EAVE HEIGHT OF 10' OR LESS SHALL EXTEND BELOW GRADE A MINIMUM OF 12".

FOOTINGS:

EXTERIOR WALLS, BEARING WALLS, COLUMN AND MASONRY OR CONCRETE FOOTINGS, OR APPROV IMPOSED LOADS AND SHALL BE SIZED AND REINF SHALL BE ENGINEERED DESIGN. FOOTINGS UND THE STRUCTURE AND FROM ONE LEVEL TO THE FOOTINGS AT DIFFERENT LEVELS ENCLOSING US JUMPS OR SUPPORT SYSTEMS TO PROVIDE SAFE FOOTING/FOUNDATION WALLS/STANDARD SLAB DIAGRAMS FOR MORE DETAIL (PER KC, MO STAN

<u>CONCRETE</u>

- 1. ALL CONCRETE CONSTRUCTION SHOULD CO RESIDENTIAL CODE.
- 2. THE MINIMUM CONCRETE 28 DAY COMPRESS R402.2.
- 3. CONCRETE MIX TO UTILIZE A MAXIMUM WATE APPLICATIONS. ALL CONCRETE TO HAVE MA CONTENT BY WEIGHT OF CEMENT. ADMIXTU
- 4. CONCRETE POURED AGAINST AN EXISTING INCH AMPLITUDE.
- 5. REBAR CLEAR DISTANCE SHALL BE AS FOLLO -CAST AGAINST AND PERMANENT CONTAC -EXPOSED TO WEATHER OR IN CONTACT - NOT EXPOSED TO WEATHER OR GROUN
- 6. CONCRETE MIX DESIGN SHALL BE 6% (±1%) A OR FLATWORK EXPOSED TO WEATHER.
- 7. SHORING AND RESHORING: -SHORING AND SUPPORTING FORMWORK BEFORE CONCRETE STRENGTH REACHES

DAYS -SHORING MAY NOT BE REMOVED SOONER THAN

MINIMUM STANDARDS:

CONCRETE SHALL BE 6% (± 1%) AIR-ENTRAINED WALLS OR FLATWORK WHERE EXPOSED TO WEA OTHERWISE. REINFORCING BAR SHALL BE GRAD

CONCRETE REINFORCEMENT STEEL

- 1. REINFORCING STEEL SHALL CONFORM TO AS
- 2. SMOOTH BARS OR WELDED WIRE FABRIC SH
- 3. ALL REBAR LAP SPLICES SHALL BE CLASS B
- 4. DEVELOPMENT LENGTH NOTED IS EQUAL TO SCHEDULE.
- 5. 90% HOOK SHOWN IN DRAWINGS SHALL BE STANDARD PER ACI 318-14 -STRAIGHT EXTENSION LENGTH = 12xØ_{BAR} -BEND DIAMETER = $12XO_{BAR}$
- 6. LAP SPLICE SCHEDULE (SEE TABLE 1.1)
- 7. HOOKED DOWELS:
- 7.2. HOOKED DOWELS MATCH SLAB REINFORCING FROM SLAB TO WALLS OR SLAB TO FOUNDATION
- 8. PROVIDE 2 #5 BARS AROUND PERIMETER OF ALL SUSPENDED SLABS
- 9. HORIZONTAL WALL REINFORCING SHALL TERMINATE AT THE END OF THE WALL WITH A STANDARD HOOK
- 10. TOP AND BOTTOM HORIZONTAL REINFORCING SHALL BE PLACED 1-1/2" TO 2" FROM THE TOP AND BOTTOM OF THE WALL

FOOTNOTES:

- 1. WALL HEIGHT IS MEASURED FROM THE TOP OF THE WALL TO THE TOP OF THE FLOOR SLAB.
- 2. VERTICAL REINFORCEMENT FOR CONCRETE WALLS THAT ARE NOT FULL HEIGHT AND FOR SHALL HAVE VERTICAL REINFORCEMENT PLACE AS FOLLOWS:
- A. 8" WALL MINIMUM 5" FROM THE OUTSIDE FACE. B. 10" WALL - MINIMUM 6-3/4" FROM THE OUTSIDE FACE. C. EXTEND BARS TO WITHIN 8" OF THE TOP OF THE WALL.
- 3. HORIZONTAL REINFORCEMENT:
- A. ONE BAR SHALL BE PLACED WITHIN 12" OF THE TOP OF THE WALL.

- ANGLE AT CORNERS OF OPENINGS. PLACE REINFORCEMENT WITHIN 6" OF THE EDGE OF INSIDE CORNERS.
- 5. AT MASONRY LEDGES THE MINIMUM WALL THICKNESS SHALL BE 3-1/2". LEDGES SHALL NOT EXCEED
- BRACED RETURN WALLS. WALL LENGTH SHALL BE MEASURED USING INSIDE THE SHORTEST DIMENSION BETWEEN INTERSECTING WALLS (SEE TYPICAL DEAD MAN SECTION).

	NORMAL WEIGHT CONCRETE LAP SPLICE SCHEDULE, IN								
BAR	TOP	BARS	OTHEF	RBARS					
SIZE		CASE 2	CASE 1	CASE 2					
#3	28	42	22	32					
#4	37	56	29	43					
#5	47	70	36	54					
#6	56	84	43	64					

TABLE 1.1

	STEEL DECK - SUSPENDED SLABS
D PIERS SHALL BE SUPPORTED ON CONTINUOUS SOLID VED STRUCTURAL SYSTEM TO SAFELY SUPPORT THE FORCED IN ACCORDANCE WITH THIS STANDARD OR DER FOUNDATION WALLS SHALL BE CONTINUOUS AROUND NEXT. THE CONTINUOUS TRANSITIONS BETWEEN SABLE SPACE SHALL BE MADE BY APPROVED SOLID TE SUPPORT OF THE STRUCTURE. SEE "TYPICAL AT MAXIMUM 4" OVER-DIG AND "FOOTING JUMP" NDARDS)	 STEEL DECK QUALITY, FABRICATION, DELIVERY, INSTALLATION AND ATTACHMENT SHALL COMPLY WITH THE PROVISIONS OF THE STEEL DECK INSTITUTE, SDI. STEEL ROOF DECK SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON CONSTRUCTION DRAWINGS: WIDE RIB CONFIGURATION 1.5" DEPTH 24GA DESIGN THICKNESS MAXIMUM SINGLE SPAN OF 4'-8" OR CONTINUOUS SPAN OF 5'-10" GALVANIZE PER ASTM A653 OR SHOP PRIME PER ASTM A1008 ATTACH STEEL ROOF DECK TO SUPPORTS WITH #12 TEK AT 18" O.C. ATTACH STEEL ROOF DECK SIDELAPS WITH #10 TEK OR CRIMP/BUTTON PUNCH AT 36" O.C. OR MID-SPAN, WHICHEVER IS SMALLER
SIVE STRENGTH SHALL BE AS SPECIFIED IN IRC TABLE	 CONTRACTOR AND/OR DECK MANUFACTURER SHALL FURNISH ALL NECESSARY DECK CLOSURE ACCESSORIES TO PROVIDE A FINISHED SURFACE FOR THE APPLICATION OF ROOF INSULATION AND ROOF COVERING.
TER-CEMENT MATERIALS RATIO OF 0.45 FOR ALL AXIMUM 0.10 PERCENT WATER SOLUBLE CHLORIDE JRES SHALL NOT CONTAIN ANY CHLORIDES. SURGACE SHOULD BE ROUGHENED TO A MINIMUM 1/4 OWS: CT WITH GROUND3 IN WITH GROUND 2 IN ND 1.5 IN AIR-ENTRAINED FOR GARAGE SLABS, FOOTINGS, WALLS, C SHALL NOT BE REMOVED FROM HORIZONTAL MEMBERS S 70% OF STRENGTH DETERMINED BY CYLINDERS OR 28 N RECOMMENDED BY ASTM 374-04 SECTION 3.7.2.3.	 STEEL FLOOR DECK SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON CONSTRUCTION DRAWINGS: 2" COMPOSITE DECK WITH 6" TOTAL SLAB THICKNESS 22GA DESIGN THICKNESS MAXIMUM SINGLE SPAN DURING CONSTRUCTION OF 6'-1" OR CONTINUOUS SHORED SPAN OF 7'-5" MAXIMUM SPAN SHALL NOT EXCEED 12'-6" PROVIDE W2.1xW2.1 WELDED WIRE MESH OR #4 @ 12" O.C. EACH WAY. PROVIDE 2" REBAR COVER MEASURED FROM TOP OF THE SLAB GALVANIZE PER ASTM A653 MINIMUM BEARING LENGTH AT EDGE SUPPORTS IS 2" MINIMUM BEARING LENGTH AT INTERIOR SUPPORTS IS 4" ATTACH STEEL COMPOSITE FLOOR DECK TO SUPPORTS WITH 5/8" ARC PUDDLE WELDS AT 12" O.C. MECHANICAL FASTENERS EITHER POWDER ACTUATED, PNEUMATICALLY DRIVEN, OR SCREWS MAY BE USED IN LIEU OF WELDING PROVIDED THEY ARE APPROVED. ATTACH STEEL ROOF DECK SIDELAPS WITH #10 TEK OR CRIMP/BUTTON PUNCH AT 36" O.C. OR MID-SPAN, WHICHEVER IS SMALLER. CONTRACTOR AND/OR DECK MANUFACTURER SHALL FURNISH ALL NECESSARY POUR STOPS, COLUMN CLOSURES, END PLATES, AND COVER PLATES AS NEEDED.
	STRUCTURAL STEEL
FOR GARAGE SLABS AND FOR ALL LOCATION'S FOOTINGS, ATHER. REBAR SHALL BE MINIMUM 60 KSI UNLESS NOTED DE 60 MINIMUM.	 STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE OF STEEL CONSTRUCTION. STEEL GRADE AND SPECIFICATION SHALL BE AS FOLLOWS: HOLLOW STRUCTURAL SECTIONS: ASTM A500 (Fy = 46 KSI)
STM A615, GRADE 60. HALL CONFORM TO ASTM 185.	CHANNELS, PLATES AND ANGLES:ASTM A36(Fy = 36 KSI)WIDE FLANGES:ASTM A992(Fy = 50 KSI)COLUMNS:ASTM A53 GR. B (Fy= 35 KSI)ANCHOR RODS:ASTM F1554 (Fy = 36 KSI)
LAP SPLICES AS SHOWN ON THE LAP SPLICE SCHEDULE.	3. BOLTS SHALL CONFORM TO ASTM A307
0 80% OF THE LENGTH NOTED IN THE LAP SPLICE	4. WELDING SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION. WELDING SHALL BE PERFORMED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS

7.1. HOOKED DOWELS FROM FOUNDATIONS TO WALL SHALL BE PROVIDED TO MATCH VERTICAL WALL REINFORCING AND EXTENDED TO 3" CLEAR FROM BOTTOM OF FOUNDATION

REINFORCEMENT SPACED 24" O.C. MAY BE PLACED IN THE MIDDLE OF THE WALL. OTHER WALLS

B. OTHER BARS SHALL BE EQUALLY SPACED WITH SPACING NOT TO EXCEED 24" O.C. C. HORIZONTAL BARS SHOULD BE AS CLOSE TO THE TENSION FACE AS POSSIBLE (INTERIOR); AND BEHIND THE VERTICAL REINFORCEMENT (I.E. 2" TOWARD THE INSIDE). D. SUPPLEMENTAL REINFORCEMENT AT CORNERS - PLACE 1 #4 REBAR 48" LONG AT 45 DEGREE

4. REINFORCEMENT SHALL BE LAPPED A MINIMUM 24" AT ENDS, SPLICES, AND AROUND CORNERS.

A DEPTH OF MORE THAN 24" BELOW THE TOP OF THE WALL FOR WALL THICKNESS LESS THAN 4" PROVIDE #4 BARS AT MAXIMUM 24" O.C. TO WITHIN 8" OF THE TOP OF THE WALL.

6. STRAIGHT WALLS MORE THAN 5' TALL AND MORE THAN 16' LONG SHALL BE PROVIDED WITH EXTERIOR

D1.1 THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLISHED BY THE FILLER-METAL MANUFACTURER.

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

GLAZING

STAIRWAYS:

GARAGES:

ABOVE.

1. GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC R308.4 SHALL BE OF APPROVED SAFETY GLAZING MATERIALS; GLASS IN STORM DOORS; INDIVIDUAL FIXED OR OPENABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24" ARCH OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS WITHIN 60" OF THE FLOOR; WALLS ENCLOSING STAIRWAYS AND LANDINGS WHERE THE GLAZING IS WITHIN 60" OF THE TOP OR BOTTOM OF THE STAIR; ENCLOSURES FOR SPAS, TUBS, SHOWERS, AND WHIRLPOOLS; GLAZING IN FIXED OR OPENABLE PANELS EXCEEDING 8 SF AND WHOSE BOTTOM EDGE IS LESS THAN 18" ABOVE THE FLOOR OR WALKING SURFACE WITHIN 36".

EMERGENCY EGRESS AND RESCUE

FRAMING NOTES:

- WALLS.

ENERGY REQUIREMENTS:

1. LIGHTING FIXTURES PENETRATING THE THERMAL ENVELOPE SHALL BE IC-RATED, LEAKAGE RATED, AND SEALED TO THE GYPSUM WALLBOARD AS REQUIRED PER N1102.4.4.'

2. PROGRAMMABLE THERMOSTATS SHALL BE INSTALLED AS REQUIRED PER N1103.2.2.1.

3. AIR HANDLERS SHALL BE RATED FOR MAXIMUM 2% AIR LEAKAGE RATE PER N1103.2.2.1.

4. BUILDING CAVITIES USED AS RETURN AIR PLENUMS SHALL BE SEALED TO PREVENT LEAKAGE ACROSS THE THERMAL ENVELOPE AS REQUIRED PER N1103.2.3.

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

6. ALL EXHAUST FANS SHALL TERMINATE TO THE BUILDING EXTERIOR AS REQUIRED PER M1507.2

7. MAKEUP AIR SYSTEMS SHALL BE INSTALLED FOR KITCHEN EXHAUST HOODS THAT EXCEED 400 CFM AS REQUIRED PER M1503.4.

8. BUILDING CAVITIES IN A THERMAL ENVELOPE WALL SHALL NOT BE USED AS RETURN AIR PLENUMS UNLESS THE REQUIRED INSULATION BARRIER IS MAINTAINED PER M1601.1.1.

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

1. THE GARAGE FLOOR SHALL SLOPE TOWARDS THE GARAGE DOORWAYS.

2. DOORS BETWEEN THE GARAGE AND THE DWELLING - MINIMUM 1-3/8" SOLID CORE OR HONEY COMBED STEEL DOOR OR 20 MINUTE FIRE RATED.

3. THE GARAGE SHALL BE SEPARATED FROM THE DWELLING AND IT'S ATTIC AREAS BY A MINIMUM 5/8" GYPSUM BOARD APPLIED TO THE GARAGE SIDE WHERE A FLOOR/CEILING SPACE IS PROVIDED

4. THE GARAGE COLUMNS AND BEAMS SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED WITH 5/8" GYPSUM BOARD OR EQUIVALENT. WHERE HABITABLE SPACE OCCURS ABOVE THE GARAGE THE FLOOR CEILING ASSEMBLY SHALL BE PROTECTED WITH A MINIMUM PS TYPE "X" GYPSUM BOARD ON THE GARAGE CEILING.

5. 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 CEILING, ATTACHED WITH 1-3/4"x0.120" NAILS AT 7" O.C. STAGGERED WITH (7) 3-1/4"x0.120" NAILS THROUGH THE JAMB INTO THE HEADER. A MINIMUM OF 2x8 HEADER FOR ATTACHMENT OF COUNTER BALANCE SYSTEM.

6. SELF CLOSING DEVICES SHALL BE INSTALLED FOR GARAGE AND/OR DWELLING SEPARATION DOORS PER R302.5.1.

7. GARAGE VEHICLE DOORS AND FRAMES SHALL BE DESIGNED AND INSTALLED TO MEET THE 90 MPH WIND LOAD REQUIREMENTS OF DASMA 108 AND ASTM E330-96 (IRC 301.2.1).

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

2. PROVIDE GUARD RAILS BETWEEN 36" GUARD RAILS ON THE OPEN SIDES OF RAISED FLOORS. PORCHES AND BALCONIES; MINIMUM 34" GUARD RAILS ON THE OPEN SIDES OF STAIRWAYS LOCATED MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW.

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

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

5. HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION OF 1-1/4" TO 2-5/8" OR OTHER APPROVED GRASPABLE SHAPE PER IRC R311.5.6.

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

7. ENCLOSED ACCESSIBLE SPACE UNDER STAIRWAYS SHALL HAVE WALLS AND THE UNDERSIDE OF THE STAIR AND LANDING PROTECTED WITH 1/2" GYPSUM BOARD ON ENCLOSURE SIDE PER IRC R311.2.2.

2. WINDOW FALL PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH R312.2.

1. PROVIDE ONE WINDOW FROM EACH BEDROOM THAT HAS A MINIMUM OPENABLE AREA OF 5.7 SF WITH A MINIMUM OPENABLE HEIGHT OF 24" AND WIDTH OF 21"

2. BASEMENT EGRESS TO MEET THE REQUIREMENTS OF IRC R310.

3. PROVIDE SMOKE ALARMS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING AREA AND ON EACH FLOOR INCLUDING BASEMENTS. ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE DWELLING. 4. CARBON MONOXIDE DETECTORS SHALL BE INSTALLED AS REQUIRED PER R315.

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

2. ALL UNMARKED HEADERS SHALL BE A MINIMUM #2 DOUGLAS FIR LARCH (2) 2x10 ON LOAD BEARING

3. ALL HEADER/BEAMS TO BEAR ON A MINIMUM OF (2) 2x4 POSTS UNLESS NOTED OTHERWISE.

4. DOUBLE JOIST UNDER INTERIOR NON-LOAD BEARING WALLS.

5. CANTILEVERS, OVER BEAMS, AND DOOR JAMBS SHALL BE BLOCKED

6. ANY WOOD MEMBERS IN CONTACT WITH CONCRETE OR MASONRY (OR THE FURRING THEY ARE ATTACHED TO) SHALL BE OF DECAY RESISTANT MATERIAL.

7. INTERIOR NON LOAD BEARING WALLS SHALL BE ISOLATED FROM THE FLOOR FRAMING ABOVE UNLESS THE INTERIOR NON LOAD BEARING WALL RESTS DIRECTLY ON A FOOTING.

8. LVL STRENGTH SHALL BE VERSA-LAM 3100 Fb UNLESS NOTED OTHERWISE.



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SHEET #

GN1.0

	2018 IR	C TABLE R602.3(1) (SEE IRC FOR FOOTN	IOTES)		2018 IF	C TABLE R602.3(1) (SEE IRC FOR FOOT	NOTES)	
ITEM	DESCRIPTION OF BUILDING	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION			FLOOR		
	ELEMENTS BLOCKING BETWEEN CEILING	ROOF 4-8D BOX (2-1/2"x0.113") OR 3-8D COMMON (2-1/2" x 0.131"); OR		21	JOST TO SILL, TOP PLATE OR GIRDER	4-8D BOX (2-1/2" X 0.113"); OR 3-8D COMMON (2-1/2" X 0.131"); OR 3-10D BOX (3" X 0.128"); OR 3-3" X 0.131" NAILS	TOE NAIL	
1	JOISTS OR RAFTERS TO TOP PLATE	3-10D BOX (3" x 0.128"); OR	TOE NAIL		RIM JOIST, BAND JOIST OR	8d BOX (2-1/2"x0.113")	4" O.C. TOE NA	IL
2	CEILING JOSTS TO TOP PLATE	3-3" x 0.131" NAILS 4-8D BOX (2-1/2"x0.113") OR 3-8D COMMON (2-1/2" x 0.131"); OR 3-10D BOX (3" x 0.128"); OR	PER JOIST, TOE NAIL	22	BLOCKING TO SILL OR TOP PLATE (ROOF APPLICATIONS ALSO)	8D COMMON (2-1/2" X 0.131"); OR 10D BOX (3" X 0.128"); OR 3" X 0.131" NAILS	6" O.C. TOE NA	IL
3	CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTER LAPS OVER PARTITIONS	3-3" x 0.131" NAILS 4-10D BOX (3" X 0.128"); OR 3-16D COMMON (3-1/2" X 0.162"); OR 4-3" X 0.131" NAILS	FACE NAIL	23	1"x6" SUBFLOOR OR LESS TO EACH JOIST	3-8D BOX (2-1/2" X 0.113"); OR 2-8D COMMON (2-1/2" X 0.131"); OR 3-10D BOX (3" X 0.128"); OR 2 STAPLES, 1" CROWN, 16 GA, 1-3/4" LONG	FACE NAIL	
4	CEILING JOIST ATTACHED TO PARALLEL RAFTER (HEEL JOINT)	TABLE R802.5.2	FACE NAIL		Ι	FLOOR		
5	COLLAR TIE TO RAFTER, FACE NAIL OR 1-1/4"x20 GAGE RIDGE STRAP	4-10D BOX (3" X 0.128"); OR 3-10D COMMON (3" X 0.148"); OR	FACE NAIL EACH RAFTER	24	2" SUBFLOOR TO JOIST OR GIRDER 2" PLANKS (PLANK & BEAM - FLOOR	3-16D BOX (3-1/2" X 0.135"); OR 2-16D COMMON (3-1/2"x0.162") 3-16D BOX (3-1/2" X 0.135"); OR	BLIND AND FACE	
	TO RAFTER	4-3" X 0.131" NAILS 3-16d BOX NAILS (3-1/2"x0.135") OR		25	& ROOF)	2-16D COMMON (3-1/2"x0.162")	AT EACH BEARING, FA	ACE NAIL
6	RAFTER OR ROOF TRUSS TO PLATE	3-10d COMMON NAILS (3"x0.148"); OR 4-10D BOX (3" X .128"); OR 4-3" X 0.131" NAILS 4-16D (3-1/2"x0.135") ; OR	2 TOE NAILS ON ONE SIDE AND 1 TOE NAIL ON OPPOSITE SIDE OF EACH RAFTER OR TRUSS	26	BAND OR RIM JOIST TO JOIST	3-16D COMMON (3-1/2" X 0.162"); OR 4-10 BOX (3" X 0.128"); OR 4-3" X 0.131" NAILS ; OR 4-3" X 14 GA. STAPLES, ⁷ / ₁₆ " CROWN	END NAIL	
	ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS OR ROOF RAFTER TO MINIMUM 2" RIDGE BEAM STUD TO STUD (NOT AT BRACED	3-10D COMMON (3" X 0.148"); OR 4-10D BOX (3" X 0.128"); OR 4-3" X0.131" NAILS	TOE NAIL			20D COMMON (4" X 0.192"); OR	NAIL EACH LAYER AS FOLLOW TOP END AND BOTTOM AND S	
7		3-16d BOX NAILS (3-1/2"x0.135") OR		27	BUILT-UP GIRDERS AND BEAMS, 2"	10D BOX (3" X 0.128"); OR 3" X 0.131" NAILS	24" O.C. FACE NAIL AT TOP AN	
		3-10D BOX (3" X .128"); OR 3-3" X 0.131" NAILS WALL	END NAIL			AND: 2-20D COMMON (4" X 0.192"); OR 3-10D BOX (3" X 0.128"); OR 3-3" X 0.131" NAILS	STAGGERED ON OPPOSITE SIDES FACE NAIL AT ENDS AND AT EACH SPLIC	
		16D COMMON (3-1/2" X 0.162")	24" O.C. FACE NAIL			4-16D BOX (3-1/2" X 0.135"); OR		
8	WALL PANELS)	10d BOX (3"x0.128"); OR 3" X 0.131" NAILS	16" O.C. FACE NAIL	28	LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	3-16D COMMON (3-1/2" X 0.162"); OR 4-10D BOX (3" X 0.128"); OR 4-3" X 0.131" NAILS	AT EACH JOIST OR RAFTE	R, FACE NAI
9	STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL	16D BOX (3-1/2"x0.135"); OR 3" X 0.131" NAILS	12" O.C. FACE NAIL	29	BRIDGING OR BLOCKING TO JOIST	2-10D BOX (3" X 0.128"); OR 2-8D COMMON (2-1/2" X 0.131"; OR 2-3" X	EACH END, TOE NAIL	
	PANELS)	16D COMMON (3-1/2" X 0.162")	16" O.C. FACE NAIL		30131	0.131") NAILS		
10	BUILT-UP HEADER (2" TO 2" HEADER WITH ¹ / ₂ " SPACER)	, , , , , , , , , , , , , , , , , , ,	16" O.C. ALONG EACH EDGE FACE NAIL 12" ALONG EACH EDGE FACE NAIL				SPACING OF FAST	ENERS
11	CONTINUOUS HEADER TO STUD	5-8D BOX (2-1/2" X 0.113"); OR 4-8D COMMON (2-1/2" X 0.131"); OR 4-10D BOX (3" X 0.128")	TOENAIL	ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER		TERMEDIAT IPPORTS (IN
		16D COMMON (3-1/2" X 0.162")	16" O.C. FACE NAIL			6d COMMON (2"x0.113") NAILS (SUBFLOOR, WALL)		
12	TOP PLATE TO TOP PLATE	10d BOX (3"x0.128"); OR 3" X 0.131" NAILS	12" O.C. FACE NAIL	30	3/8" - 1/2"	8d COMMON (2-1/2"x0.131") NAIL (ROOF); OR RSRS-01 (2-38" X 0.113") NAIL (ROOF)	6	12
13	DOUBLE TOP PLATE SPLICE	12-16D BOX (3-1/2" X 0.135"); OR 12-10D BOX (3" X 0.128"); OR	FACE NAIL ON EACH SIDE OF END JOINT (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)	31	19/32"-1"	8d COMMON NAIL (2-1/2"x0.131"); OR RSRS-01 (2-3/8" X 0.113") NAIL (ROOF) 10d COMMON (3"x0.148") NAIL OR	6	12
	BOTTOM PLATE TO JOIST, RIM	16D COMMON (3-1/2" X 0.162")	16" O.C. FACE NAIL	32	1-1/8" - 1-1.4"	8D (2-1/2"x0.131") DEFORMED NAIL	6	12
14	JOIST, BAND JOIST OR BLOCKING (NOT AT BRACED WALL PANELS)	16D BOX (3-1/2"x0.135"); OR 3" X 0 131" NAILS	12" O.C. FACE NAIL			OTHER WALL SHEATHING 1-1/2" GALVANIZED ROOFING NAIL, 7/16"		
15	BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST BLOCKING (AT BRACED WALL BANELS)	3-16d BOX NAILS (3-1/2"x0.135") OR 2-16D COMMON (3-1/2"x0.162"); OR	3 EACH 16" O.C. FACE NAIL 2 EACH 16" O.C. FACE NAIL 4 EACH 16" O.C. FACE NAIL	33	1/2" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	HEAD DIAMETER, OR 1-1/4" LONG 16 GA. STAPLE WITH 7/16" OR 1" CROWN	3	6
		4-8D BOX (2-1/2"x0.113") OR 3-16D BOX (3-1/2" x 0.135"); OR		34	25/32" STRUCTURAL CELLULOSTIC FIBERBOARD SHEATHING	1-3/4" GALVANIZED ROOFING NAIL, 7/16" HEAD DIAMETER, OR 1-1/2" LONG 16 GA STAPLE WITH 76" OR 1" CROWN	3	6
16	TOP OR BOTTOM PLATE TO STUD	4-10D BOX (3" x 0.128"); OR 4-3" x 0.131" NAILS	TOE NAIL	35	1/2" GYPSUM SHEATHING	1-1/2" GALVANIZED ROOFING NAIL; STAPLE GALVANIZED, 1-1/2" LONG; 1-1/4" SCREWS, TYPE "W" OR "S"	7	7
		2-16D COMMON (3-1/2" X 0.162"); OR 3-10D BOX (3" x 0.128"); OR	END NAIL	36	5/8" GYPSUM SHEATHING	1-3/4" GALVANIZED ROOFING NAIL; STAPLE GALVANIZED, 1-5/8" LONG; 1-5/8" SCREWS, TYPE "W" OR "S"	7	7
		3-10D BOX (3" X 0.128"); OR			WOOD STRUCTURA	L PANELS, COMBINATION SUBFLOOR UN	NDERLAYMENT TO FRAMIN	G
17	AND INTERSECTIONS	2-16D COMMON (3-1/2" X 0.162"); OR 3-3" X 0.131" NAILS	FACE NAIL	37	3/4" AND LESS	6D DEFORMED (2"x0.120") NAIL OR 8D COMMON (2-1/2"x0.131") NAIL	6	12
18	1" BRACE TO EACH STUD AND PLATE	2-8D COMMON (2-1/2" X 0.131"); OR 2-10D BOX (3" X 0.128"); OR	FACE NAIL	38	7/8" - 1"	8D COMMON (2-1/2"x0.131") NAIL OR 8D DEFORMED (2-1/2"x0.120") NAIL	6	12
		2 STAPLES 1-3/4" 3-8D BOX (2-1/2" X 0.113"); OR		39	1-1/8" - 1-1/4"	10D COMMON (3"x0.148") NAIL OR 8D DEFORMED (2-1/2"x0.120") NAIL	6	12
19	BEARING	2-8D COMMON (2-1/2" X 0.131"); OR 2-10D BOX (3" X 0.128"); OR 2 STAPLES, 1" CROWN, 16 GA, 1-3/4" LONG 3-8D BOX (2-1/2" X 0.113"); OR 3-8D COMMON (2-1/2" X 0.131"); OR 3-10D BOX (3" X 0.128"); OR 3 STAPLES, 1" CROWN, 16 GA, 1-3/4" LONG	FACE NAIL					
20	STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS) 3" X 0.131" NAILS BUILT-UP HEADER (2" TO 2" HEADER WITH ½" SPACER) 16D COMMON (3-1/2"X 0.113 CONTINUOUS HEADER TO STUD 5-8D BOX (2-1/2" X 0.113 CONTINUOUS HEADER TO STUD 5-8D BOX (3-1/2"X 0.113 TOP PLATE TO TOP PLATE 16D COMMON (3-1/2" X 0.113 DOUBLE TOP PLATE SPLICE 16D COMMON (3-1/2" X 0.113 DOUBLE TOP PLATE SPLICE 8-16D COMMON (3-1/2" X 0.128") BOTTOM PLATE TO JOIST, RIM (NT AT BRACED WALL PANELS) 8-16D COMMON (3-1/2" X 0.128") BOTTOM PLATE TO JOIST, RIM (NT AT BRACED WALL PANELS) 16D BOX (3-1/2" X 0.135") 3" X 0.131" NAILS BOTTOM PLATE TO JOIST, RIM (OIST, BAND JOIST BLOCKING (AT BRACED WALL PANELS) 3-16d BOX NAILS (3-1/2" X 0.132" 4-30" X 0.131" NAILS BOTTOM PLATE TO JOIST, RIM (OIST, BAND JOIST BLOCKING (AT BRACED WALL PANELS) 3-16D BOX (3-1/2" x 0.132" 4-30" X 0.131" NAILS TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS 3-16D BOX (3' X 0.128") 2-16D COMMON (3-1/2" 3-3" X 0.131" NAILS TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS 3-10D BOX (3" X 0.128") 2-16D COMMON (3-1/2" 3-10D BOX (3" X 0.128") 2-16D COMMON (3-1/2" 3-10D BOX (3" X 0.128") 2-16D COMMON (3-1/2" 3-10D BOX (3" X 0.128") 2-10D BOX (3	4-8D BOX (2-1/2" X 0.113"); OR 3-8D COMMON (2-1/2" X 0.131"); OR	FACE NAIL			TABLE R507.2.1 PLACEMENT OF LAG SCR LEDGERS AND BAND		
		3-10D BOX (3" X 0.128"); OR 4 STAPLES, 1" CROWN, 16 GA, 1-3/4" LONG				MINIMUM END AND EDGE DISTANCES AND (INCHES)	SPACING BETWEEN ROWS	

TABLE R507/2 FASTENER SPACING FOR	R A SOUTHERN PINE OR HEM-FIR DECK LEDGER 2" NOMINAL SOLID SAWN SPRUCE-PINE-FIR BAND JOIST (DECK LIVE LOAD = 40PSF, DECK DEAD LOAD = 10 PSF)						
JOIST SPAN	6' AND LESS	6'1 TO 8'	8'1 TO 10'	10'1 TO 12'	12'1 TO 14'	14'1 TO 16'	16'1 TO 18'
CONNECTION DETAILS	ON CENTER SPACING OF FASTENERS						
1/2" DIAMETER LAG SCREW WITH 15/32" MAX SHEATHING	30	23	18	15	13	11	10
1/2" DIAMETER BOLT WITH 15/32" MAX SHEATHING	36	36	34	29	24	21	19
1/2" DIAMETER BOLT WITH 15/32" MAX SHEATHING AND 1/2" STACKED WASHERS	36	36	29	24	21	18	16

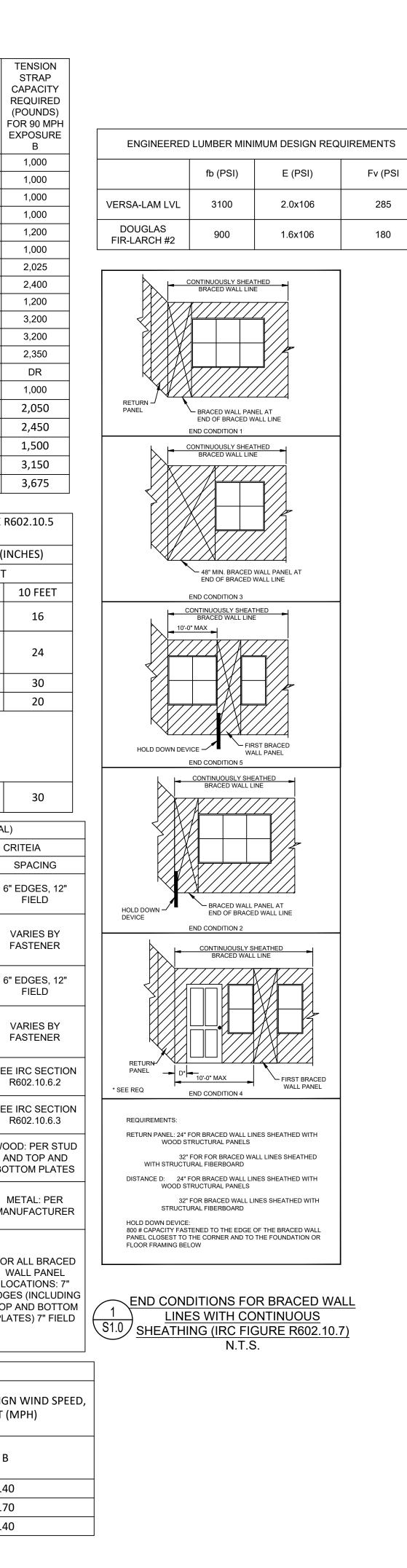
MINIMUM WALL STUD FRAMING NOMINAL SIZE AND GRADE	MAXIMUM PONY WALL HEIGHT (FEET)	MAXIMUM TOTAL WALL HEIGHT (FEET)	MAXIMUM OPENING WIDTH (FEET)	(F (E
	0	10	18	
			9	
	1	10	16	
			18	
			9	
	2	10	16	
2x4 NO 2 GRADE			18	
-			9	
	2	12	16	
			18	
			9	
	4	12	16	
			18	
			9	
	2	12	16	
2x6 STUD			18	
GRADE			9	
	4	12	16	
			18	
	1			

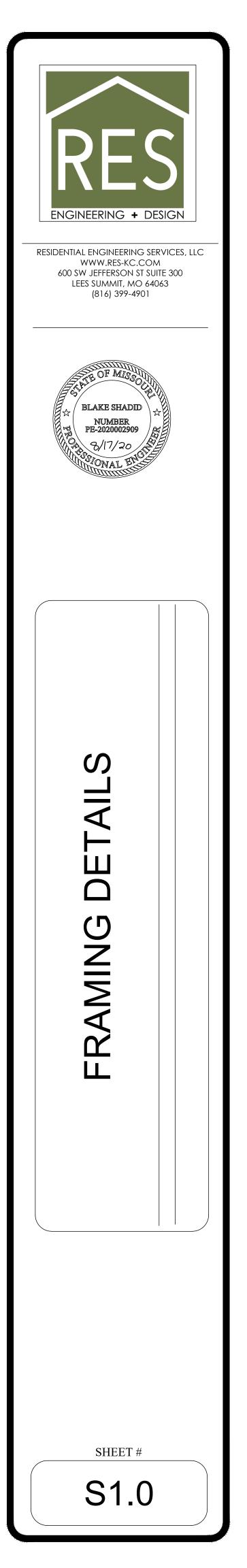
MINIMU	M LENGTH OF BRA	ACED WALL F (PARTIAL)	PANELS TABLE	Re		
		MINIMUM LENGTH (IN				
M	METHOD		WALL HEIGHT			
		8 FEET	9 FEET			
	SUPPORTING ROOF ONLY	16	16			
PFH	SUPPORTING ONE STORY AND ROOF	24	24			
	PFG	24	27			
(CS-PF	16	18			
CS-WSP	ADJACENT CLEAR OPENING HEIGHT (INCHES)					
	LESS THAN OR EQUAL TO 64	24	27			
	BRACING METHODS TABLE R602.10.4 (PARTIAL					

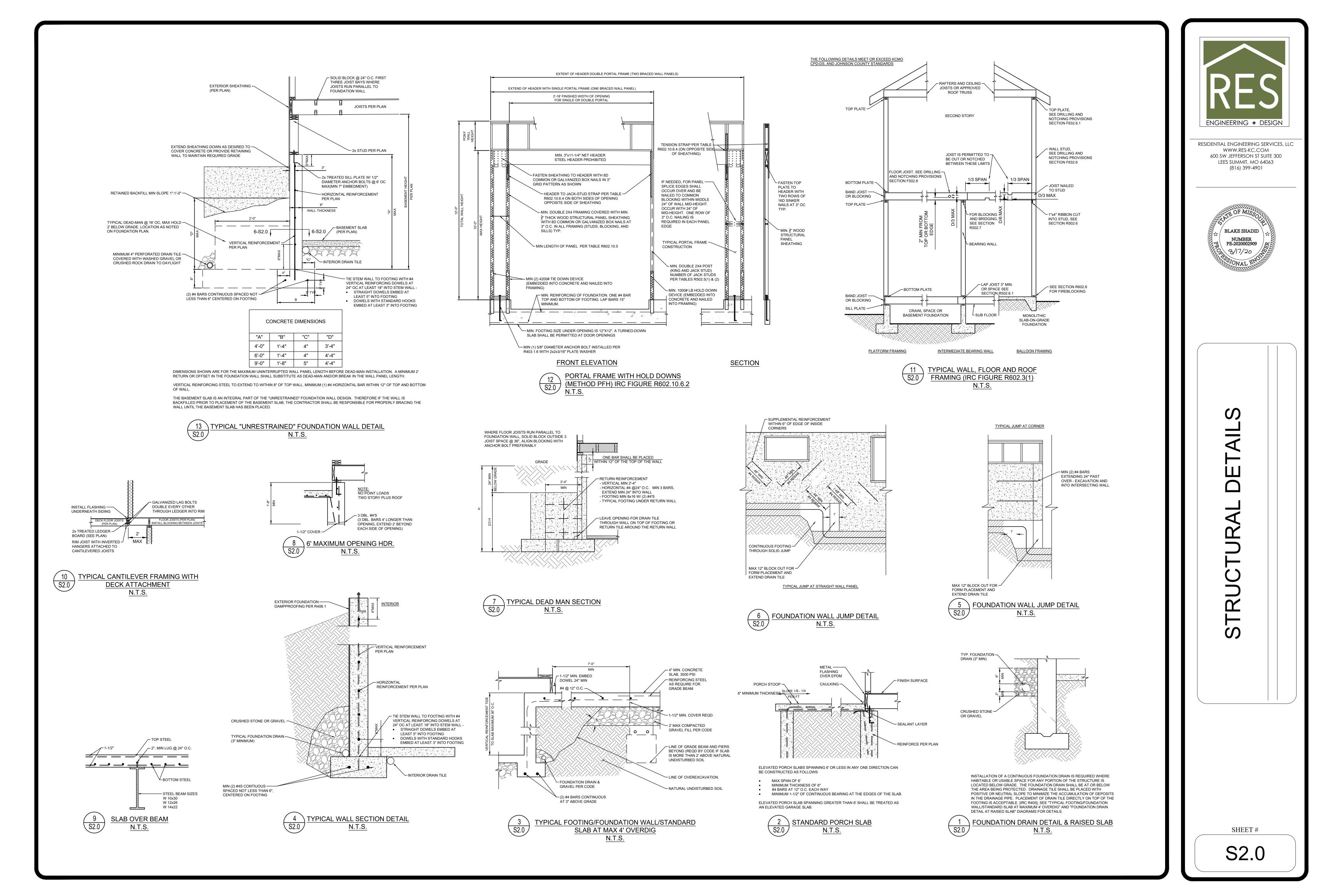
BRA	BRACING METHODS TABLE R602.10.4 (PARTIAL)					
METHODS,	MINIMUM	CONNECT	ION CR			
MATERIAL	THICKNESS	FASTENERS				
WSP - WOOD		EXTERIOR SHEATHING PER TABLE R602.3(3)	6"			
STRUCTURAL PANEL	3/8	INTERIOR SHEATHING PER TABLE R602.3(1) OR R602.3(2)	V F.			
CS-WSP CONTINUOUSLY		EXERIOR SHEATHING PER TABLE R602.3(3)	6"			
SHEATHED WOOD STRUCTURAL PANEL	3/8	INTERIOR SHEATHING PER TABLE R602.3(1) OR R602.3(2)	V F.			
PFH - PORTAL FRAME WITH HOLD DOWNS	3/8	SEE IRC SECTION R602.10.6.2	SEE R			
PFG - PORTAL FRAME AT GARAGE	3/8	SEE IRC SECTION R602.10.6.3	SEE R			
LIB	1x4 WOOD OR APPROVED METAL STRAPS AT 45 TO 60	WOOD: 2-8d COMMON NAILS OR 3-8d NAILS	WOC AN BOT			
LET-IN-BRACING	DEGREE ANGLES FOR MAX 16" STUD SPACING	METAL STRAP: PER MANUFACTURER	M MAN			
GB-GYPSUM	1/2	NAILS OR SCREWS PER TABLE R602.3(1) FOR EXTERIOR LOCATIONS	FOR W/ LOO			
BOARD	172	NAILS OR SCREWS PER TABLE R702.3.5 FOR INTERIOR LOCATIONS	EDGE TOP / PLAT			

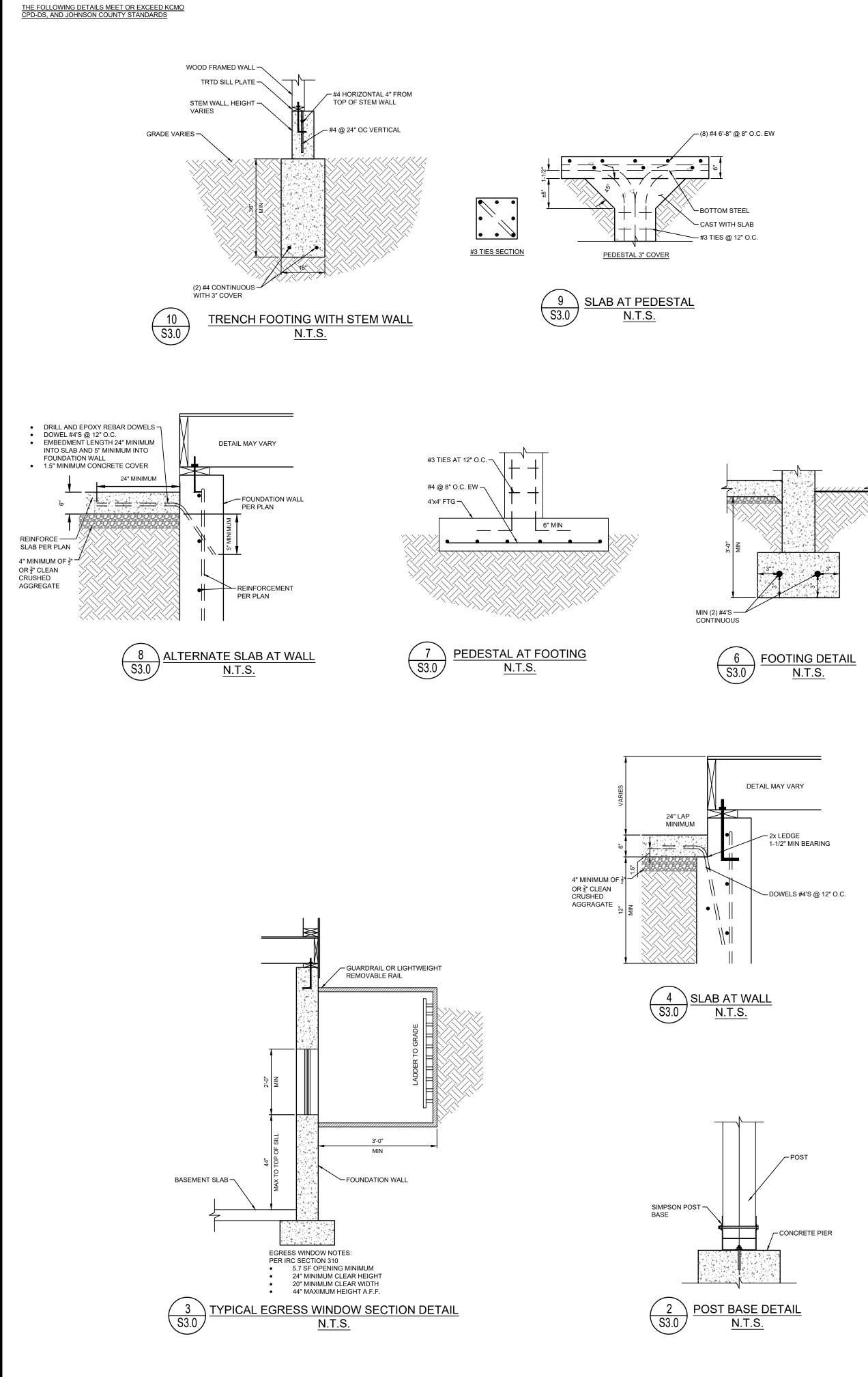
TABLE R507.2.1 PLACEMENT OF LAG SCREWS AND BOLTS IN DECK LEDGERS AND BAND JOISTS						
MINIMUM END AND EDGE DISTANCES AND SPACING BETWEEN ROWS (INCHES)						
	TOP EDGE	BOTTOM EDGE	ENDS	ROW SPACING		
LEDGER	2	1/4	2	1-5/8		
BAND JOIST	ND JOIST 3/4		2	1-5/8		

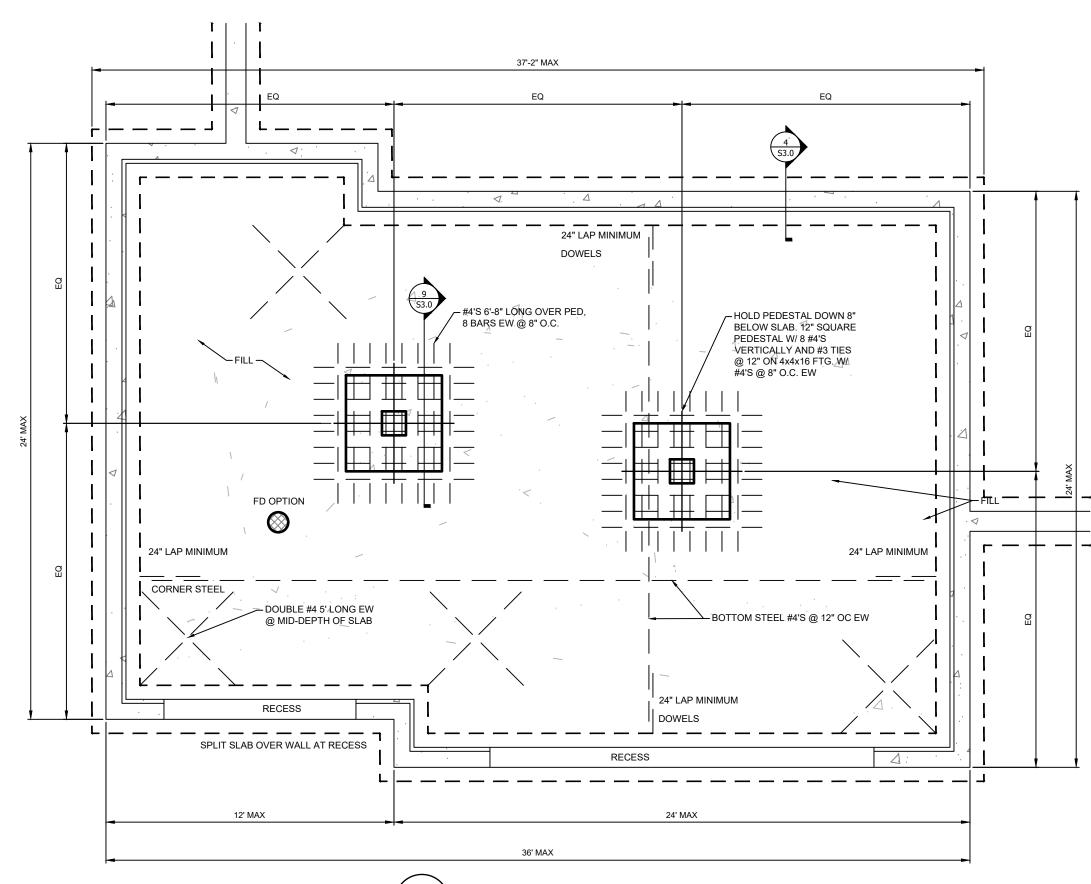
	F	REQUIREMENTS FC	R WOOD STRUCTUR	AL PANEL WALL SHEAT	THING USED TO RESIS	T WIND PRESSUR	RES IRC TABLE 60	02.3(3) (PARTIAL)
	MINIMU	MINIMUM NAIL		MINIMUM NOMINAL PANEL	MAX WALL STUD	PANEL NAIL SPACING		ULTIMATE DESIGN V V ULT (MP
	SIZE	PENETRATION (IN)	PANEL SPAN RATING	THICKNESS (IN)	SPACING	EDGES (IN O.C.)	FIELD (IN O.C.)	В
	6d COMMON	1.5	24/0	3/8	16	6	12	140
	8d COMMON	1.75	ON 1.75 24/16	7/16	16	6	12	170
		1.75	24/10	//10	24	6	12	140











GARAGE SLAB ON FILL S3.0 N.T.S.

