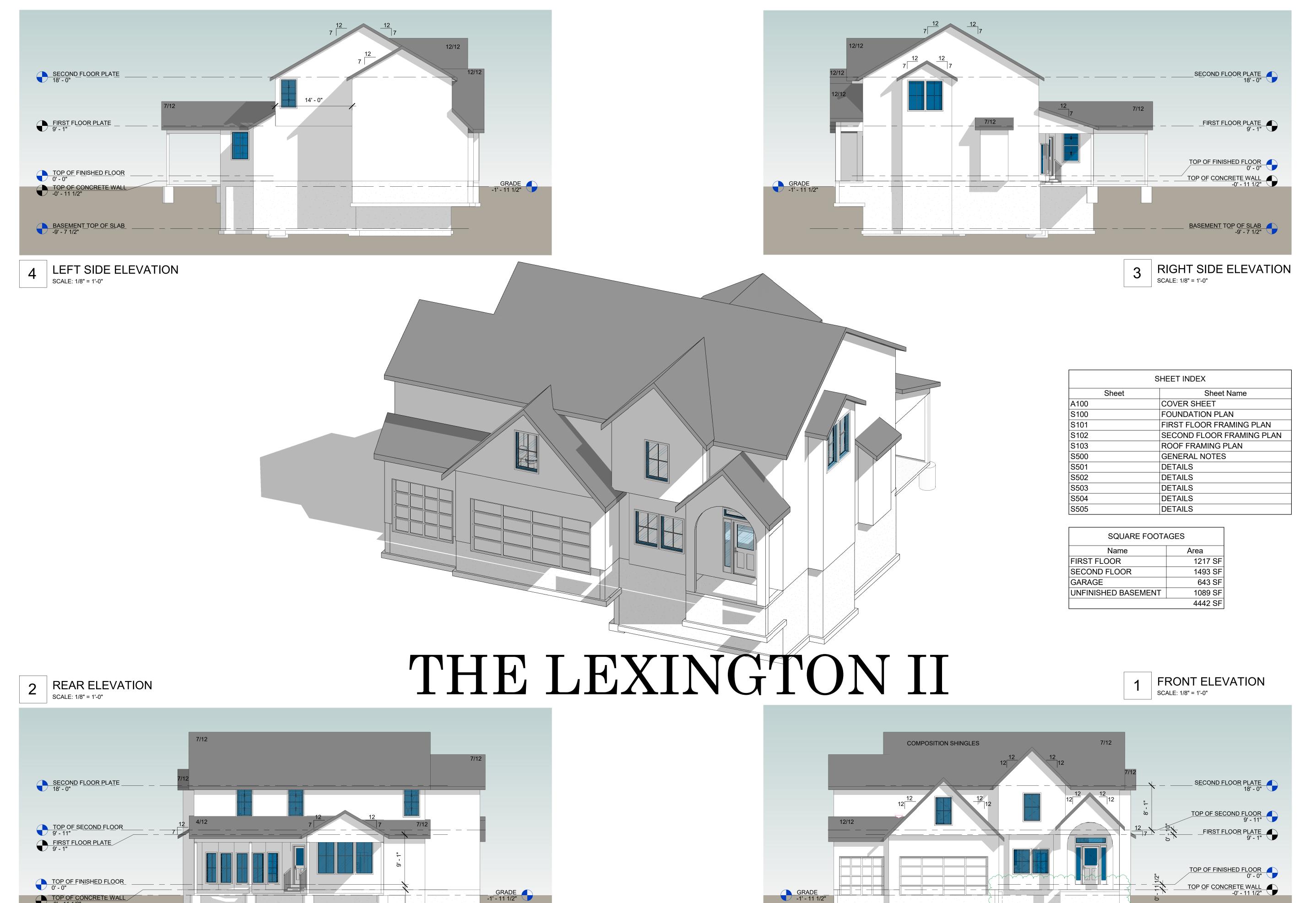


TOP OF CONCRETE WALL

-0' - 11 1/2"

BASEMENT TOP OF SLAB
-9' - 7 1/2"



BRANDON SCHWABAUER

EXINGTON II - FULL BASEMENT 4813 Jamestown Drive Lee's Summit, MO 6406

ISS	SUES	& REVISIONS
#	DATE	DESCRIPTION
1	8/11/2021	Permit
2	1/11/2022	City Comments
3	3/8/2022	City Comments
4	3/30/2022	City Comments

DRAWN BY: CHECKED BY:

ISSUED FOR:

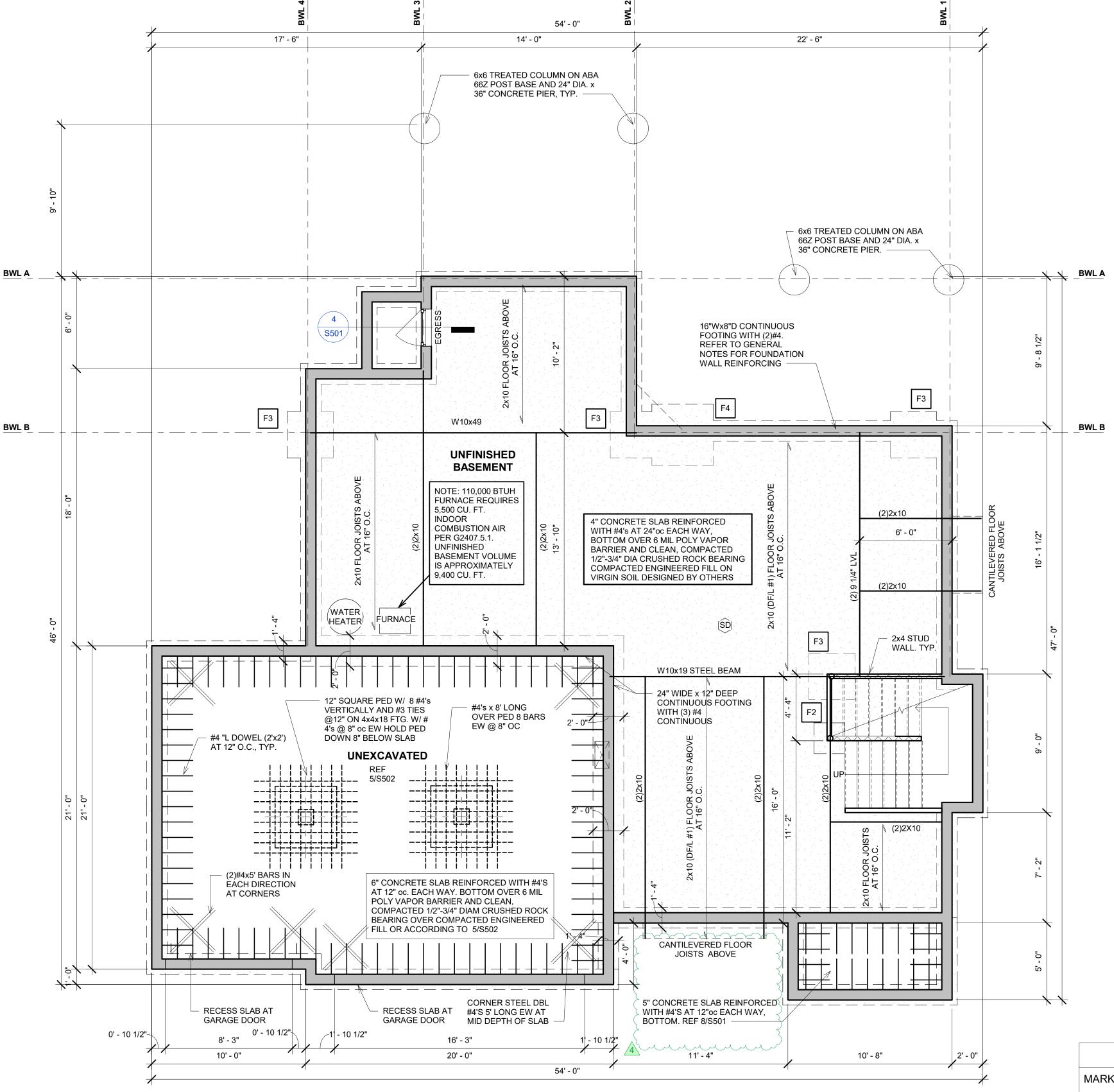
BASEMENT TOP OF SLAB -9' - 7 1/2"

SHEET TITLE

**COVER SHEET** 

SHEET NUMBER

A100



CONCRETE & REINFORCING NOTES:

1. CONCRETE STRENGTH SHALL MEET THE FOLLOWING MINIMUM 28 DAY STRENGTH REQUIREMENTS (IRC R402.2):

- a. 2,500 PSI FOR BASEMENT FLOOR SLABS ON UNDISTURBED GRADE. b. 3,000 PSI FOR FOOTINGS, FOUNDATION WALLS, AND OTHER VERTICAL CONCRETE. c. 3,500 PSI FOR CARPORT AND GARAGE FLOOR SLABS ON UNDISTURBED GRADE.
- d. 3,500 PSI FOR STRUCTURAL FLOOR SLABS.
- 2. CONCRETE SHALL BE 6%±1% AIR ENTRAINED FOR GARAGE SLABS AND FOR ALL LOCATIONS (FOOTINGS, WALLS, FLATWORK, ETC.) EXPOSED TO WEATHER. 3. CONCRETE SHALL HAVE A SLUMP OF 4" ± 1". THE SLUMP CAN BE INCREASED THROUGH
- THE USE OF APPROVED ADDITIVES (NOT WATER) 4. THE REINFORCING STEEL SHALL BE ASTM A615, GRADE 40 MINIMUM UNLESS NOTED OTHERWISE ON THE DRAWINGS. ALL BARS SHALL BE LAPPED A MINIMUM OF 48 BAR DIAMETERS AND/OR CORNER BARS SHALL BE PROVIDED AT ALL FOOTING AND WALL
- CORNERS, AND FOOTING STEPS. 5. MINIMUM CONCRETE COVER SHALL BE AS FOLLOWS (ACI 318): a. EARTH FORMED - 3"
- . EXPOSED TO WEATHER 1 1/2" FOR #5 BARS & SMALLER NOT EXPOSED TO WEATHER - 3/4" FOR SLABS.
- NO WATER SHALL BE ADDED TO THE CONCRETE MIX AT THE SITE.
- ADDITION OF CALCIUM CHLORIDE TO CONCRETE IS NOT PERMITTED. NO ALUMINUM SHALL BE EMBEDDED/PLACED IN CONCRETE.
- CONCRETE PLACED IN COLD WEATHER SHALL SHALL COMPLY WITH ACI 306. CONCRETE PLACED IN HOT WEATHER SHALL COMPLY WITH ACI 305.

- FOUNDATION NOTES:

  1. ALL FOUNDATIONS SHALL BEAR ON NATIVE, UNDISTURBED SOIL CAPABLE OF SUPPORTING 1,500 PSF UNLESS NOTED OTHERWISE, WITHOUT UNDUE SETTLEMENT OR HEAVING. THE CONTRACTOR SHALL RETAIN A QUALIFIED TESTING LAB (APPROVED BY THE OWNER) TO FIELD VERIFY THE ACTUAL SOIL BEARING CAPACITY.
- ALL EXTERIOR FOOTINGS SHALL BEAR A MIN. OF 36" BELOW FINISHED GRADE. IF THE EXISTING SITE TOPOGRAPHY OR SOIL CONDITIONS VARY FROM THE CONDITIONS SHOWN ON THE DRAWINGS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ARCHITECT/ENGINEER SO THAT A DESIGN THAT IS APPROPRIATE FOR THE SITE CAN BE GENERATED. FOOTINGS SHALL BE POURED CONTINUOUS AT FOOTING STEPS (SOLID JUMPS).
- ANY FILL THAT IS INSTALLED UNDER THE BASEMENT OR GARAGÈ FLOOR SLABS SHALL BE PROPERLY COMPACTED TO PREVENT SETTLEMENT OF THE FILL MATERIAL. PROPER COMPACTION IS WHERE THE SOIL IS PLACED IN 6" LIFTS AND EACH LIFT IS COMPACTED PRIOR TO INSTALLING MORE SOIL. THIS COMPACTED FILL SHALL THEN BE VERIFIED BY A QUALIFIED GEOTECHNICAL ENGINEER. AT THE CONTRACTOR'S OPTION, A PROPERLY DESIGNED STRUCTURAL SLAB MAY BE INSTALLED OVER ANY FILL THAT HAS NOT BEEN PROPERLY COMPACTED. ALL EXTERIOR SLABS INSTALLED ADJACENT TO THE FOUNDATION SHALL BE DOWELED INTO THE FOUNDATION WITH #4 BARS AT 12" ON
- CENTER (GRADE 60 STEEL) DRILLED IN 6" MINIMUM AND EPOXIED. CONTROL JOINTS IN THE FLOOR SLABS SHALL BE INSTALLED AS TO MINIMIZE THE AMOUNT OF RANDOM CRACKING (12' INTERVALS MAXIMUM). THESE JOINTS SHALL BE SAWCUT 1-1/4" DEEP WITHIN 8 HOURS OF POURING THE SLAB OR MAY BE TOOLED INTO THE SLAB WHEN POURED. SAWCUTS SHALL BE IN APPROXIMATE SQUARE PATTERN WITH MAXIMUM ASPECT RATIO OF 1-1/2 TO 1.
- THE BUILDER SHALL BE RESPONSIBLE FOR TAKING THE APPROPRIATE STEPS TO MINIMIZE THE EFFECTS OF EXPANSIVE SOIL ON THE FOUNDATION, SLABS, AND WOOD FRAMED PORTIONS OF THE HOUSE. THIS INCLUDES ISOLATING THE FLOOR SLAB AT ALL COLUMNS, INTERIOR BEARING WALLS, AND AT THE FOUNDATION WALLS WITH TWO LAYERS OF 15# FELT. PARTITION WALLS IN THE BASEMENT SHALL NOT BE CONSTRUCTED TIGHT AGAINST THE FRAMING ABOVE.
- 8. INSTALL CONTINUOUS DRAIN TILE (4" DIAMETER MINIMUM) AROUND THE PERIMETER OF THE ENTIRE LOWER LEVEL AND COVER THE TILE WITH FILTER FABRIC AND COURSE, CLEAN ROCK. INSTALL VERTICAL DRAINS TO PERIMETER DRAIN TILE AT ALL WINDOW WELLS. THE DRAIN TILE SHALL BE CONNECTED TO A 40 GALLON (MINIMUM) SUMP PIT WITH SUFFICIENT DEPTH FOR PROPER SUMP PUMP OPERATION, OR SHALL BE DRAINED BY GRAVITY TO DAYLIGHT AT LEAST 10' FROM THE FOUNDATION. FOUNDATION DRAINAGE SHALL ALSO BE IN ACCORDANCE WITH IRC SECTION R-406.1.
- 9. CONCRETE BASEMENT SLABS SHALL BE A MIN. OF 4" THICK OVER A MIN. OF 4" OF 1/2" TO 3/4" CLEAN, GRADED ROCK, U.N.O. OR IF SITE CONDITIONS REQUIRE OTHERWISE. MIN REINFORCING SHALL BE #4'S AT 24"OC OR EQUIVALENT. 10. PROVIDE A MIN. 6-MIL POLYETHYLENE MOISTURE BARRIER OVER GRAVEL BASE UNDER
- BASEMENT FLOOR SLABS (NOT REQUIRED FOR GARAGE SLABS) PER SECTION R405.2.2. 11. ALL FOOTING AND SLAB REINFORCEMENT SHALL BE BLOCKED OFF SUBGRADE WITH CHAIRS OR CONCRETE BRICKS.

RESIDENTIAL BASEMENT WALL NOTES:

1. HORIZONTAL REINFORCING FOR CONC FOUND WALLS SHALL BE #4'S AT 24"oc. 2. VERTICAL REBAR SPACING FOR CONCRETE FOUNDATION WALLS SHALL BE PER THE TABLE

DLLOW	•				
		60 KSI REIN	FORCING	40KSI REI	NFORCING
	WALL THICK	8"	10"	8"	10"
	6' OR LESS	#4 @ 36"oc	#4 @ 36"oc	#4 @ 36"oc	#4 @ 36"oc
	7'	#4 @ 32"oc	#4 @ 36"oc	#4 @ 21"oc	#4 @ 36"oc
	8'	#4 @ 24"oc	#4 @ 36"oc	#4 @ 16"oc	#4 @ 36"oc
	9'	#4 @ 16"oc	#4 @ 20"oc	#4 @ 12"oc	#4 @ 16"oc
	10'	#4 @ 12"oc	#4 @16"oc	#4 @ 8"oc	#4 @ 12"oc

- a. MINIMUM REQUIREMENT FOR VERTICAL REBAR IN PLAIN CONCRETE WALLS IS #4 BARS
- b. VERTICAL BARS SHALL BE CONTINUED TO WITHIN 4" OF THE TOP OF THE WALL. REBAR SHALL BE POSITIONED AT THE TENSION FACE OF THE WALL (2" FROM THE INSIDE FACE.
- d. REINFORCEMENT SHALL LAP A MINIMUM OF 24" AT ENDS, SPLICES, AND AROUND
- e. DESIGN BY A PROFESSIONAL ENGINEER IS REQUIRED FOR WALLS OVER 10' IN HEIGHT.
- 2. BARS SHALL LAP A MINIMUM OF 48 BAR DIAMETERS AT ENDS, SPLICES AND AROUND CORNERS, UNLESS OTHERWISE NOTED ON THESE DRAWINGS. 3. CONTINUOUS WALL FOOTINGS SHALL BE A MINIMUM OF 16" WIDE AND 8" DEEP WITH (2) #4 BARS CONTINUOUS FOR 8" THICK WALLS, U.N.O. CONTINUOUS WALL FOOTINGS SHALL BE A MINIMUM OF 24" WIDE AND 12" DEEP WITH (2) #4 BARS CONTINUOUS FOR 12" THICK
- 4. INSTALL 1/2"Ø X 1'-2" LONG ANCHOR BOLTS (7" EMBEDMENT) AT 3'-0" O.C. AND WITHIN 12" OF THE END OF EACH SILL MEMBER. MINIMUM SILL PLATE TO BE 2X6 PRESSURE TREATED. 5 THE TOPS OF ALL BASEMENT (LOWER LEVEL) FOUNDATION WALLS SHALL BE CONNECTED. TO THE FLOOR JOISTS. NAIL EACH FLOOR JOIST END AND END WALL BLOCKING TO THE WOOD SILL PLATE PER THE IRC NAILING SCHEDULE. WHERE FLOOR JOISTS RUN PARALLEL TO THE FOUNDATION WALLS, PROVIDE BLOCKING IN THE FIRST THREE JOIST
- SPACES AT 2'-0" O.C. OVER THE ENTIRE LENGTH OF THE FLOOR JOISTS. 6. WALLS SHALL BE FULL HEIGHT FROM FOOTING TO FLOOR FRAMING. NO WOOD FRAMED CRIPPLE WALLS EXCEPT AS SPECIFICALLY NOTED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- 7. STRAIGHT WALLS MORE THAN 5 FEET TALL AND MORE THAN 16 FEET LONG SHALL BE PROVIDED WITH EXTERIOR BRACED RETURN WALLS. REF TYP DEADMAN DETAIL. 8. FOUNDATION WALLS SHALL BE DESIGNED FOR AN EQUIVALENT FLUID PRESSURE (EFP) 60

9. PROVIDE STEEL SHIMS IN BEAM POCKETS TO LEVEL BEAMS. BEAM POCKETS SHALL BE

- GROUTED SOLID WITH 4,000 PSI NON-SHRINK GROUT AFTER BEAMS ARE LOADED WITH FRAMING MEMBERS. 10. REINFORCE AROUND BEAM POCKETS BY BENDING TOP CONTINUOUS HORIZONTAL BAR BELOW BEAM POCKET OR INSTALL SEPARATE BENT BAR LAPPED AND TIED MINIMUM 24"
- EACH SIDE. 11. PROVIDE TWO #4 X 4'-0" LONG DIAGONAL BARS AT THE CORNERS OF ALL OPENINGS IN CONCRETE WALLS AND AT FOOTING STEPS. ALSO PROVIDE 2 ADDITIONAL #4 ON ALL SIDES OF WALL OPENINGS. BARS SHALL BE 3'-0" LONGER THAN OPEN VERTICAL OR
- BELOW GRADE SHALL BE DAMP PROOFED FROM THE TOP OF THE FOOTING TO THE FINISHED GRADE WITH A BITUMINOUS COATING IN ACCORDANCE WITH SECTION R406.1. 13. INSULATION SHALL BE INSTALLED FOR ALL BASEMENT WALLS AS REQUIRED PER SECTION

12. FOUNDATION WALLS THAT RETAIN EARTH AND ENCLOSE INTERIOR SPACES AND FLOORS

HORIZONTAL DIMENSION.

14. ALL SITE RETAINING WALLS GREATER THAN 4'-0" IN HEIGHT SHALL REQUIRE A DESIGN BY A PROFESSIONAL ENGINEER. 15. A CONCRETE ENCASED GROUNDING ELECTRODE CONNECTION SHALL BE PROVIDED TO THE ELECTRICAL SERVICE PER SECTION E3608.1.

FOOTING SCHEDULE						
MARK	SIZE L x W x THK	REINFORCING (NO) SIZE LOCATION	TOF EL	COLUMN		
F1	2'-0" x 2'-0" x 1'-0"	(4) #4 EW BOTTOM	8" BELOW TOP OF SLAB	3"Ø STD (SCHED 40) STEEL PIPE COLUMN (3.5"OD, 3.07" ID)		
F2	2'-6" x 2'-6" x 1'-0"	(5) #4 EW BOTTOM	8" BELOW TOP OF SLAB	3"Ø STD (SCHED 40) STEEL PIPE COLUMN (3.5"OD, 3.07" ID)		
F3	3'-0" x 3'-0" x 1'-0"	(6) #4 EW BOTTOM	8" BELOW TOP OF SLAB	3"Ø STD (SCHED 40) STEEL PIPE COLUMN (3.5"OD, 3.07" ID)		
F4	4'-0" x 4'-0" x 1'-4"	(8) #4 EW BOTTOM	8" BELOW TOP OF SLAB	3"Ø STD (SCHED 40) STEEL PIPE COLUMN (3.5"OD, 3.07" ID)		

BRANDON SCHWABAUER

3 Jamestown I Summit, MO 813 e's S

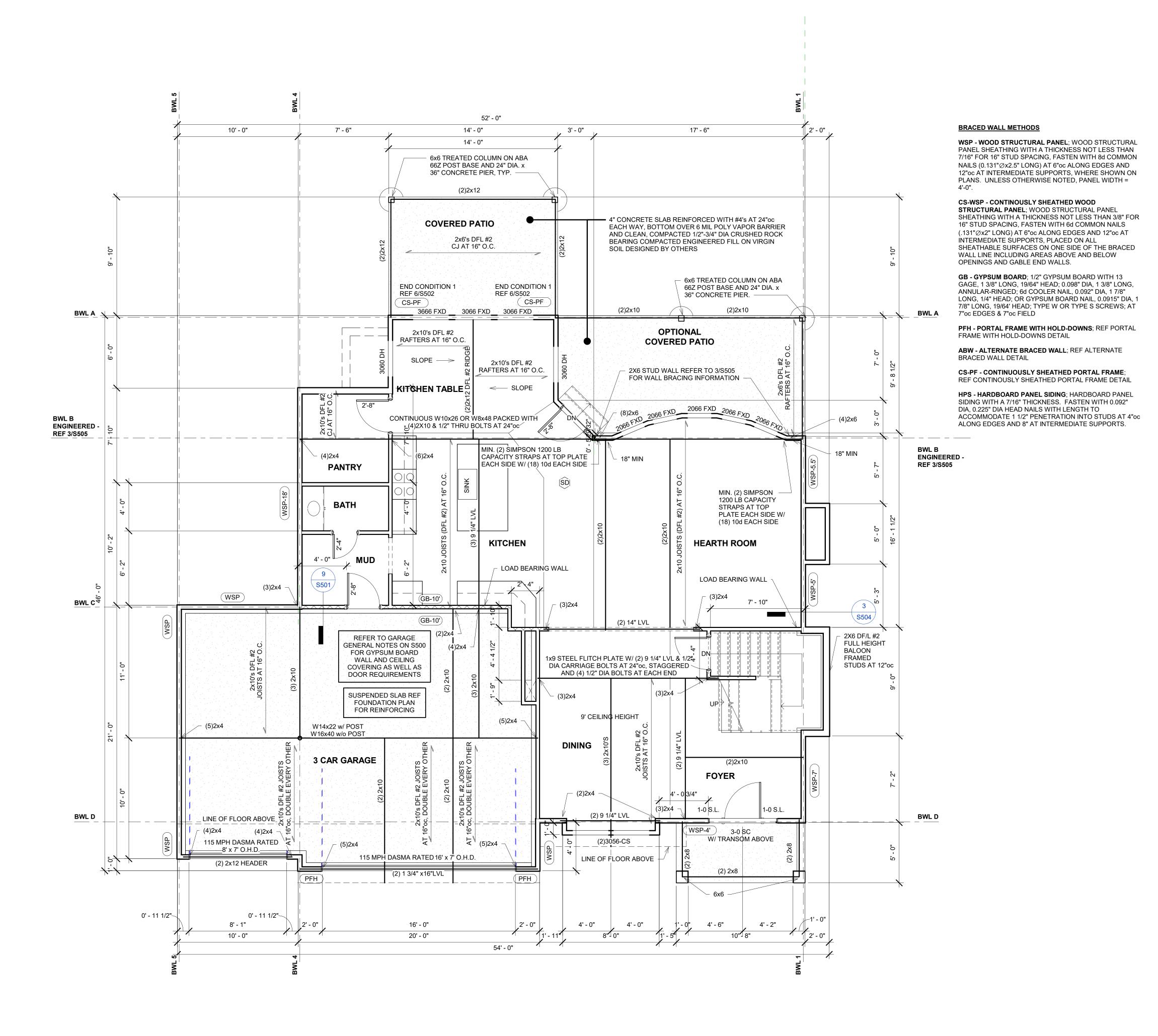
ISSUES & REVISIONS						
#	DATE	DESCRIPTION				
1	8/11/2021	Permit				
2	1/11/2022	City Comments				
4	3/30/2022	-				

DRAWN BY: CHECKED BY:

ISSUED FOR:

SHEET TITLE FOUNDATION PLAN

SHEET NUMBER



BRANDON SCHWABAUER

> Drive 6406 4813 Jamestown Lee's Summit, MO (

ISS	ISSUES & REVISIONS					
#	DATE	DESCRIPTION				
1	8/11/2021	Permit				
4	3/30/2022	City Comments				

DRAWN BY:

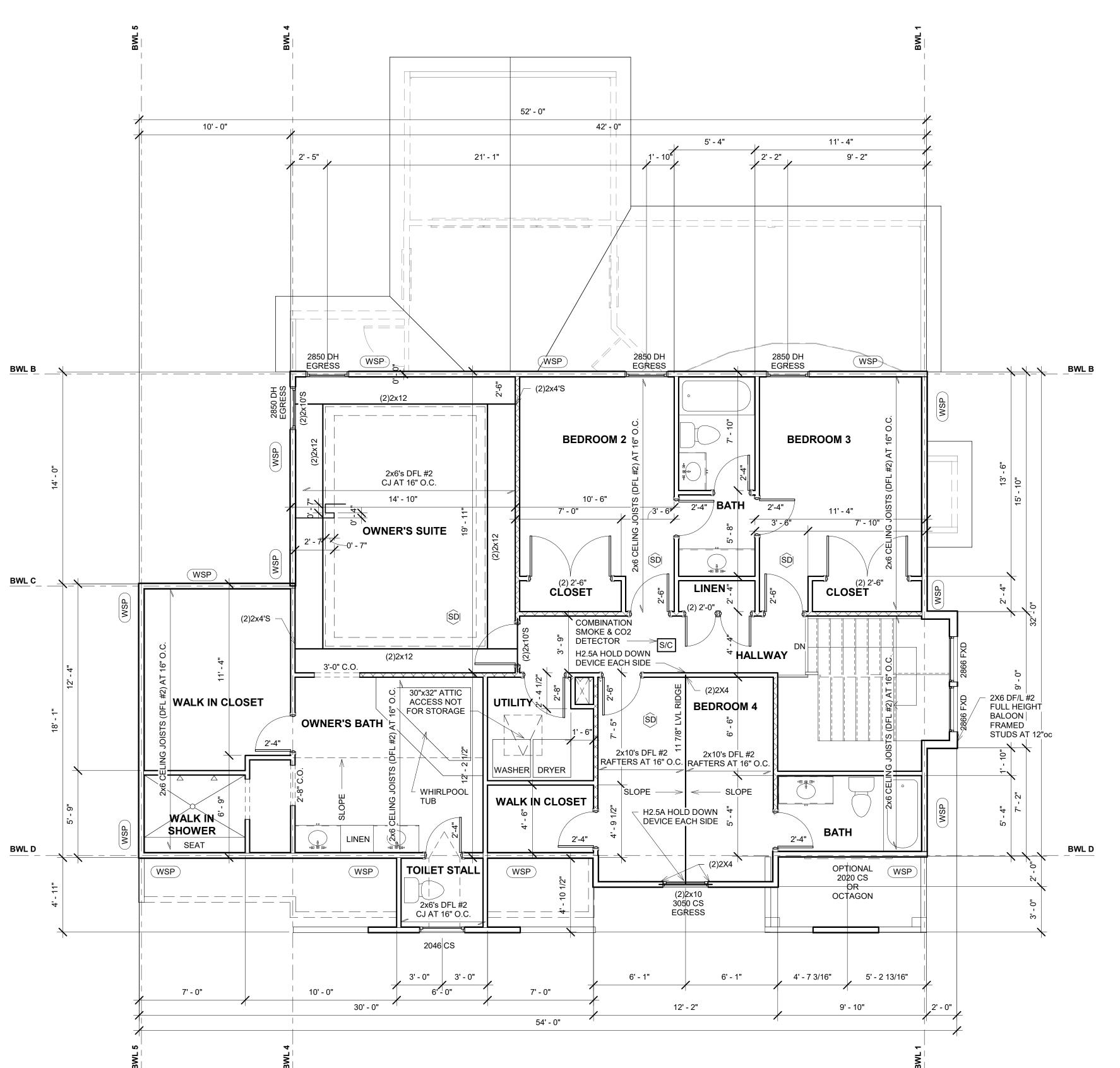
CHECKED BY:

ISSUED FOR:

SHEET TITLE

FIRST FLOOR FRAMING PLAN

SHEET NUMBER



# BRACED WALL METHODS

WSP - WOOD STRUCTURAL PANEL; WOOD STRUCTURAL PANEL SHEATHING WITH A THICKNESS NOT LESS THAN 3/8" FOR 16" STUD SPACING, FASTEN WITH 6d COMMON NAILS (.131"Øx2" LONG) AT 6"oc ALONG EDGES AND 12"oc AT INTERMEDIATE SUPPORTS, WHERE SHOWN ON PLANS. UNLESS OTHERWISE NOTED, PANEL WIDTH =

CS-WSP - CONTINOUSLY SHEATHED WOOD STRUCTURAL PANEL; WOOD STRUCTURAL PANEL SHEATHING WITH A THICKNESS NOT LESS THAN 3/8" FOR 16" STUD SPACING, FASTEN WITH 6d COMMON NAILS (.131"Øx2" LONG) AT 6"oc ALONG EDGES AND 12"oc AT INTERMEDIATE SUPPORTS, PLACED ON ALL SHEATHABLE SURFACES ON ONE SIDE OF THE BRACED WALL LINE INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS.

GB - GYPSUM BOARD; 1/2" GYPSUM BOARD WITH 13 GAGE, 1 3/8" LONG, 19/64" HEAD; 0.098" DIA, 1 3/8" LONG, ANNULAR-RINGED; 6d COOLER NAIL, 0.092" DIA, 1 7/8" LONG, 1/4" HEAD; OR GYPSUM BOARD NAIL, 0.0915" DIA, 1 7/8" LONG, 19/64' HEAD; TYPE W OR TYPE S SCREWS; AT 7"oc EDGES & 7"oc FIELD

**PFH - PORTAL FRAME WITH HOLD-DOWNS**; REF PORTAL FRAME WITH HOLD-DOWNS DETAIL

**ABW - ALTERNATE BRACED WALL**; REF ALTERNATE BRACED WALL DETAIL

**CS-PF - CONTINUOUSLY SHEATHED PORTAL FRAME**; REF CONTINOUSLY SHEATHED PORTAL FRAME DETAIL

HPS - HARDBOARD PANEL SIDING; HARDBOARD PANEL SIDING WITH A 7/16" THICKNESS. FASTEN WITH 0.092" DIA, 0.225" DIA HEAD NAILS WITH LENGTH TO ACCOMMODATE 1 1/2" PENETRATION INTO STUDS AT 4"oc ALONG EDGES AND 8" AT INTERMEDIATE SUPPORTS.

Consulting Engineers, L.L.C.

311 East 11th Avenue
North Kansas City, MO
64116
Phone: (816) 421-4232
Fax: (816) 421-1956
www.nortonschmidt.com

N&S JOB NUMBER: 2021-1995

© 2020 Norton & Schmidt Consulting Engineers

THE LEXINGTON II - FULL BASEMENT

4813 Jamestown Drive

Lee's Summit, MO 64064

15.	ISSUES & REVISIONS					
#	DATE	DESCRIPTION				
1	8/11/2021	Permit				
3	3/8/2022	City Comments				

DRAWN BY: CHECKED BY:

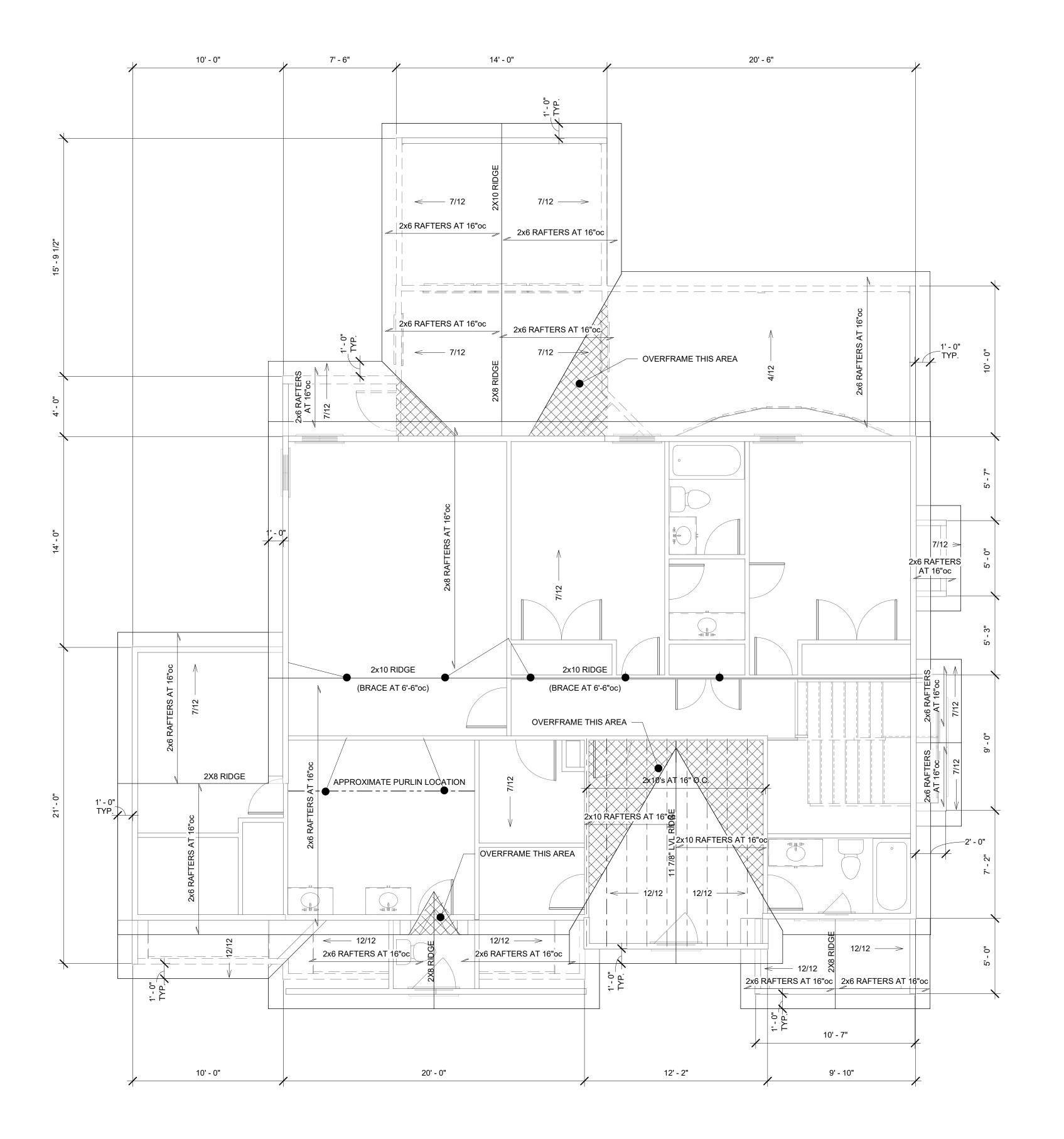
1001155 505

ISSUED FOR:

SHEET TITLE

SECOND FLOOR FRAMING PLAN

SHEET NUMBER



# **ROOF FRAMING PLAN NOTES**

NOTES ARE TYPICAL UNLESS NOTE NUMBER IS INSIDE OF CIRCLE, THEN THE NOTE REFERS TO A SPECIFIC LOCATION(S) MARKED ON THE PLAN.

1. PROVIDE 1/2" EXTERIOR GRADE PLYWOOD SHEATHING

- NAILED TO ROOF RAFTERS WITH 8d NAILS AT 6"oc AT PANEL EDGES AND 12"oc AT NON-PANEL EDGES.

  2. PROVIDE ADDITIONAL DEPTH TO JOISTS AS REQUIRED TO PROVIDE 1" AIR GAP TO PREVENT CONDENSATION PLUS 12" INSULATION TO PROVIDE R-38 INSULATION VALUE TO VAULTED CEILING AREA WHERE SHOWN ON PLAN WITH CROSS HATCH.
- ALL RIDGE MEMBERS SHALL BE 1" NOMINAL THICKNESS AND NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER. ALL VALLEY AND HIP MEMBERS SHALL BE 2" NOMINAL THICKNESS AND NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER.
- HIP AND VALLEY MEMBERS SHALL BE SUPPORTED AT THE RIDGE WITH A 2x6 T-BRACE TO A BEARING WALL BELOW.
   PROVIDE SOFFIT, RIDGE, AND GABLE END VENTS AS REQUIRED TO PROVIDE ADEQUATE VENTIL ATION FOR
- REQUIRED TO PROVIDE ADEQUATE VENTILATION FOR ROOF.

  6. PROVIDE PROPER FLASHING AND BUILDING PAPER LINDER SHINGLES AS REQUIRED TO PROVIDE WATER
- UNDER SHINGLES AS REQUIRED TO PROVIDE WATER TIGHT SEAL AT ALL ROOF PENETRATIONS, RIDGES, VALLEYS, HIPS AND/OR OTHER SLOPE CHANGES.

  7. GUTTERS, DOWNSPOUTS, AND SPLASH BLOCKS SHALL BE PROVIDED TO INSURE ALL ROOF DRAINAGE IS
- DIRECTED 5 FEET MINIMUM FROM HOUSE BEFORE TOUCHING SOIL.

  8. ALL GABLE END WALL FRAMING SHALL BE 2x4 DOUG-FIR
- ALL GABLE END WALL FRAMING SHALL BE 2X4 DOUG-FIR NO. 2 AT 16"oc.
   PROVIDE PROPER CEILING INSULATION AS REQUIRED BY GOVERNING BUILDING CODE.

RAFTERS TO BE 2x6 DF-L No. 2 AT 16" O.C. U.N.O.

REF. 12/S503 FOR PURLING BRACING

HIP, VALLEY, AND RIDGE MEMBERS SHALL BE (1)2x8 DF-L No. 2 U.N.O.

Consulting Engineers, L.L.C.

311 East 11th Avenue
North Kansas City. MO
64116
Phone: (816) 421-4232
Fax: (816) 421-1956
www.nortonschmidt.com
N&S JOB NUMBER: 2021-1995
© 2020 Norton & Schmidt Consulting Engineers

THE LEXINGTON II - FULL BASEMENT
4813 Jamestown Drive
Lee's Summit, MO 64064

ISSUES & REVISIONS					
#	DATE	DESCRIPTION			
1	8/11/2021	Permit			
4	3/30/2022	City Comments			

DRAWN BY:

CHECKED BY:

ISSUED FOR:

SHEET TITLE

ROOF FRAMING PLAN

SHEET NUMBER

S103

ROOF FRAMING PLAN SCALE: 1/4" = 1'-0"

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW **DEVELOPMENT SERVICE** 

7	F۱	١F	RA	1 1	V(	T	F	ς
J		$\mathbf{A}$			4	, ,	_,	

ASSUMED ALLOWABLE SOIL BEARING PRESSURE

GOVERNING BUILDING CODE: 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) AND ITS APPROPRIATE SUPPLEMENTS

 ROOF LIVE LOAD FLOOR DEAD LOA FLOOR LIVE LOAD: BEDROOMS: ALL OTHER LIVING AREAS: 40 PSF WIND LOADS: Vult=115 MPH, EXPOSURE C

SEISMIC LOADS:

GENERAL:

1. FURNISH ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHOWN OR INFERRED BY THESE 2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE PLANS AND FOR COORDINATING ALL DIMENSIONS AND ELEVATIONS SHOWN WITH THE EXISTING CONDITIONS. IF ERRORS OR DISCREPANCIES IN THE DIMENSIONS OCCUR, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BRING ALL

SITE CLASS "B"

- DISCREPANCIES TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE WORK. 3. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND SHORING AS REQUIRED DURING CONSTRUCTION TO
- ENSURE THE SAFETY OF ALL INDIVIDUALS INVOLVED. 4. ALL MECHANICAL, ELECTRICAL, AND PLUMBING ELEMENTS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE GOVERNING BUILDING CODE AND THE LOCAL MUNICIPALITY.
- 5. NORTON & SCHMIDT CONSULTING ENGINEERS, L.L.C. HAS DESIGNED THE STRUCTURAL FLOOR FRAMING AND WALL BRACING SYSTEM OF THESE PLANS FOR THE CONSTRUCTION OF A RESIDENCE AT THE ADDRESS REFERENCED IN THE PLANS. NORTON & SCHMIDT CONSULTING ENGINEERS, L.L.C. WILL NOT TAKE RESPONSIBILITY FOR ANY RE-USE OF ANY PORTION OF THE DESIGN, PLANS OR SPECIFICATIONS AT ANY OTHER PROPERTY OR ADDRESS WITHOUT OUR PRIOR

<u>BUILDER'S PLANS:</u> THE TERM "BUILDER'S PLANS" REFERS TO A CERTAIN LEVEL OF DEVELOPMENT OF THE DRAWINGS. AS THE NAME IMPLIES, THESE PLANS REQUIRE THAT THE CONTRACTOR POSSESSES COMPETENCE IN RESIDENTIAL CONSTRUCTION AND A THOROUGH UNDERSTANDING OF THE INTERNATIONAL RESIDENTIAL CODE (IRC). THE CONTRACTOR WARRANTS TO NORTON & SCHMIDT CONSULTING ENGINEERS, L.L.C., THAT HE POSSESSES THE PARTICULAR COMPETENCE AND SKILL IN CONSTRUCTION NECESSARY TO BUILD THIS PROJECT WITHOUT FULL ENGINEERING AND DESIGN SERVICES, AND FOR THAT REASON THE CONTRACTOR OR HOME OWNER HAS RESTRICTED THE SCOPE OF PROFESSIONAL SERVICES. THE CONSTRUCTION DOCUMENTS PROVIDED BY THE LIMITED SERVICES SHALL BE TERMED "BUILDER'S PLANS" IN RECOGNITION OF THE CONTRACTOR'S SOPHISTICATION. ALTHOUGH NORTON & SCHMIDT CONSULTING ENGINEERS, L.L.C. AND OUR CONSULTANTS HAVE PERFORMED THEIR SERVICES WITH DUE CARE AND DILIGENCE, WE CANNOT GUARANTEE PERFECTION. ANY AMBIGUITY OR DISCREPANCY DISCOVERED BY THE USE OF THESE PLANS SHALL BE REPORTED IMMEDIATELY TO NORTON & SCHMIDT CONSULTING ENGINEERS, L.L.C. CONSTRUCTION MAY REQUIRE THAT THE CONTRACTOR ADAPT THE "BUILDER'S PLANS" TO THE FIELD CONDITIONS ENCOUNTERED AND MAKE LOGICAL ADJUSTMENTS IN FIT, FORM, DIMENSION AND QUANTITY. CHANGES MADE FROM THE PLANS WITHOUT THE CONSENT OF NORTON & SCHMIDT CONSULTING ENGINEERS, L.L.C. ARE UNAUTHORIZED. IT IS ALSO UNDERSTOOD THAT THE CONTRACTOR WILL BE RESPONSIBLE FOR MEETING ALL APPLICABLE BUILDING CODES INCLUDING BUT NOT LIMITED TO MECHANICAL. ELECTRICAL, AND PLUMBING CODE REQUIREMENTS (WHICH IS EXCLUDED FROM THESE PLANS). IN THE EVENT ADDITIONAL DETAIL OR GUIDANCE IS NEEDED BY THE CONTRACTOR OR HOMEOWNER FOR CONSTRUCTION OF ANY ASPECT OF THE PROJECT. NORTON & SCHMIDT CONSULTING ENGINEERS. L.L.C. OR A QUALIFIED ARCHITECT/ENGINEER SHALL IMMEDIATELY BE RETAINED. FAILURE TO NOTIFY US OF THESE NEEDS OR OF CHANGES TO THE PLANS SHALL RELIEVE NORTON & SCHMIDT CONSULTING ENGINEERS, L.L.C. OF ALL RESPONSIBILITIES OF THE

- ARCHITECTURAL NOTES:

  1. WATER RESISTIVE EXTERIOR WALL COVERING, FREE FROM HOLES AND BREAKS, SHALL BE APPLIED TO STUDS OR SHEATHING OF ALL EXTERIOR WALLS. WRAP SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND
- BUILDING SHALL COMPLY WITH SECTIONS 802.3 AND 802.3.1 OF THE IRC FOR RAFTER AND CEILING JOIST CONNECTIONS. 8. "UFER" GROUND SHALL BE PROVIDED PER IRC SECTION 3608.1 4. GUTTERS, DOWNSPOUTS, AND SPLASH BLOCKS SHALL BE PROVIDED TO INSURE ALL ROOF DRAINAGE IS DIRECTED 5 FEET

- MAXIMUM RISER AT STAIRWAYS IS 7 3/4" AND MINIMUM TREAD IS 10" WITH A MINIMUM 6'-8" HEADROOM, PER IRC SEC.
- 2. PLACE HANDRAILS ON ALL STAIRS AND/OR LEVELS THAT EXCEED 30" ABOVE THE FLOOR OR GRADE. RAILINGS TO BE MIN. 36" HIGH AND HAVE INTERMEDIATE RAILS THAT DO NOT ALLOW THE PASSAGE OF A 4" DIAMETER SPHERE AND SHALL
- 3. ENCLOSE ACCESSIBLE SPACE BENEATH STAIRS SHALL SHALL HAVE WALLS AND THE UNDERSIDE OF THE STAIR AND
- LANDING PROTECTED WITH 1/2" GYPSUM BOARD ON ENCLOSURE SIDE PER SECTION R302.7. 4. STAIRWAYS CONSISTING OF 3 OR MORE RISERS SHALL HAVE A CONTINUOUS HANDRAIL ON AT LEAST ONE SIDE BETWEEN 34" AND 38" ABOVE THE STAIR NOSINGS.
- 5. HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION OF 1 1/4" MINIMUM TO 2" MAXIMUM OR OTHER APPROVED GRASPABLE SHAPER PER SECTION R311.7.8.3.
- 6. SPIRAL STAIRS SHALL BE CONSTRUCTED PER SECTION R311.7.10.11.

MINIMUM FROM HOUSE BEFORE TOUCHING SOIL.

ALL SLEEPING ROOMS AND BASEMENT SHALL BE PROVIDED WITH PROPER EMERGENCY ESCAPE AND RESCUE OPENINGS PER IRC SEC R310. PROVIDE (1) WINDOW IN EACH BEDROOM THAT HAS A MINIMUM OPERABLE AREA OF 5.7 SQ. FT. WITH A MINIMUM OPERABLE HEIGHT OF 24" AND WIDTH OF 21". PROVIDE SMOKE ALARMS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS AND ON EACH ADDITIONAL FLOOR, INCLUDING BASEMENTS AND STAIRWAYS. ALARMS SHALL BE

INTERCONNECTED IN SUCH A MANNER THAT THE ACUATION OF ONE ALARM ACTIVATES ALL OTHERS AND BE HARD WIRED

WITH A BATTERY BACKUP, PER IRC SEC, R314 AND NFPA 72. 3. CARBON MONOXIDE DETECTORS SHALL BE PROVIDED PER R315.

- WINDOWS AND SAFETY GLAZING NOTES:
  1. GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC SECTION R308.4 SHALL BE OF APPROVED SAFETY GLAZING MATERIALS: GLASS IN STORM DOORS; INDIVIDUAL FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE 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 OPERABLE PANELS EXCEEDING 9 SQ. FT. AND WHOSE BOTTOM EDGE IS LESS THAN 18" ABOVE THE FLOOR OR WALKING SURFACE
- 2. ALL WINDOWS SHALL MEET THE FALL PROTECTION REQUIREMENTS OF SECTION R312.2.

# GARAGE FLOORS SHALL SLOPE TOWARDS THE GARAGE DOORWAYS.

- 2. DOORS BETWEEN THE GARAGE AND THE DWELLING SHALL BE A MINIMUM 1 3/8" SOLID CORE OR HONEY COMBED STEEL
- DOOR OR A 20 MINUTE FIRE RATED DOOR WITH A SELF-CLOSING AND SELF-LATCHING DEVICE. THE GARAGE SHALL BE SEPARATED FROM THE DWELLING AND ITS UNFINISHED ATTIC AREAS BY A MINIMUM 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. WHERE UNFINISHED ATTIC AREAS ARE PROVIDED ABOVE THE GARAGE, THE SUPPORTING COLUMNS AND BEAMS SHALL ALSO BE PROTECTED WITH 1/2"GYPSUM BOARD OR EQUIVALENT. WHERE HABITABLE SPACE OCCURS ABOVE THE GARAGE THE FLOOR/CEILING ASSEMBLY SHALL BE PROTECTED WITH A MINIMUM 5/8" TYPE X GYPSLIM BOARD ON THE GARAGE CEILING SHALL COMPLY WITH IRC SEC. R309 4. GARAGE DOOR AND FRAME (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"X0.12" NAILS @ 7"OC STAGGERED WITH (7) 3 1/4"X0.102" NAILS THRU THE JAMB INTO THE HEADER, MINIMUM 2X8 HEADER FOR ATTACHMENT FOR COUNTER BALANCE SYSTEM BUILDING SHALL COMPLY WITH THE REQUIREMENTS FOR A SELF CLOSING DOOR BETWEEN RESIDENCE AND GARAGE.
- . GARAGE DOORS SHALL MEET THE REQUIREMENTS OF DASMA 115 MPH.

STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING: a. STRUCTURAL STEEL ASTM A992, FY = 50 KSI

TOUCHUP ALL UNPAINTED AREAS AND WELD AREAS.

- MISCELLANEOUS STEEL ASTM A36 HOLLOW STRUCTURAL STEEL (HSS)\_ ASTM A500, GRADE B
- ASTM A53, GRADE B (SCHED 40 MIN) d. STEEL PIPE
- 2. ALL BEAM CONNECTIONS SHALL BE DESIGNED BY THE STEEL FABRICATOR UNDER THE DIRECTION OF A REGISTERED PROFESSIONAL ENGINEER UNLESS SPECIFIC CONNECTIONS ARE SHOWN ON THE DRAWINGS. CONNECTIONS SHALL BE DESIGNED TO 50% U.D.L. OR THE REACTION PROVIDED ON THE DRAWINGS, WHICH EVER IS GREATER. CONNECTIONS SHALL BE WELDED OR BOLTED PER AISC STEEL CONSTRUCTION MANUAL. BOLTS SHALL BE ASTM A325N. ALL COLUMN ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 36.
- WELDING SHALL CONFORM TO THE LATEST PUBLICATION OF APPLICABLE CODES SET FORTH BY THE AMERICAN WELDING SOCIETY. NO UNAUTHORIZED WELDS WILL BE ACCEPTED.
- PROVIDE 30# FELT BOND BREAK AROUND ALL STEEL COLUMNS WHERE IN CONTACT WITH SLAB-ON-GRADE.
- ALL EXTERIOR STEEL EXPOSED TO THE ELEMENTS SHALL BE HOT DIPPED GALVANIZED UNLESS NOTED OTHERWISE. ALL STRUCTURAL STEEL SHALL HAVE ONE COAT OF RUST INHIBITIVE PRIMER CONFORMING TO SPECIFICATIONS. FIELD

- WOOD FRAMING NOTES:

  1. ALL STRUCTURAL LUMBER (RAFTERS, CEILING JOISTS, PURLINS AND HEADERS) SHALL BE DOUGLAS FIR LARCH #2 OR

  1. ALL STRUCTURAL LUMBER (RAFTERS, CEILING JOISTS, PURLINS AND HEADERS) SHALL BE DOUGLAS FIR LARCH #2 OR

  1. ALL STRUCTURAL LUMBER (RAFTERS, CEILING JOISTS, PURLINS AND HEADERS) SHALL BE DOUGLAS FIR LARCH #2 OR BETTER UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL LOAD BEARING WALL STUDS AND PURLIN STRUTS SHALL BE DOUGLAS FIR STUD GRADE OR BETTER 2. GLUE LAMINATED MEMBERS MARKED "LVL" (LAMINATED VENEER LUMBER) SHALL HAVE A MINIMUM ALLOWABLE BENDING
- STRESS (FB) OF 2600 PSI, A MINIMUM ALLOWABLE SHEAR STRESS (FV) OF 285 PSI, AND A MINIMUM MODULUS OF ELASTICITY (E) OF 2,000 KSI. ALL MANUFACTURER'S RECOMMENDATIONS FOR NAILING AND CONNECTIONS SHALL BE
- 3. FLOOR JOISTS BELOW PARTITION WALLS RUNNING PARALLEL TO THE JOIST SPAN SHALL BE DOUBLED. ALL DOUBLED MEMBERS SHALL BE NAILED TOGETHER WITH 16D NAILS 16" ON CENTER IN TWO ROWS STAGGERED OR PER
- SOLID BLOCKING BETWEEN FLOOR JOISTS SHALL BE INSTALLED WHERE JOISTS BEAR ON TOP OF BEAMS OR HEADERS AND BELOW POINT LOADS. ALL SOLID BLOCKING AND RIM JOIST MATERIAL SHALL BE THE SAME SIZE AND GRADE AS THE ALL FLOOR AND CEILING JOISTS THAT BUTT INTO THE SIDE OF A HEADER OR STEEL BEAM SHALL BE ANCHORED TO THE
- HEADER OR STEEL BEAM WITH STANDARD JOIST HANGERS. ALL SUPPORTS FOR WOOD TRUSSES, RAFTERS AND PURLINS, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, SHALL BEAR ON LOAD BEARING WALLS (WALLS LOCATED DIRECTLY ABOVE A BEAM LINE OR CONTINUOUS FOOTING)! ALL CONCENTRATED LOADS SHALL BE CARRIED THROUGH THE FLOOR SYSTEM THICKNESS WITH SOLID BLOCKING OR WITH 2X4 STUB COLUMNS (SQUASH BLOCKS) THAT TRANSFER THE LOAD DOWN TO THE SUPPORT WALL OR BEAM BELOW.
- BUILDING CODE. SPACING, END DISTANCES AND EDGE DISTANCES OF NAILS AND SPIKES SHALL BE SUCH AS TO AVOID THE UNUSUAL SPLITTING OF THE WOOD. ALL NON-LOADBEARING STUD WALLS IN THE BASEMENT SHALL BE PROVIDED WITH A 1" MINIMUM VERTICAL EXPANSION JOINT TO ALLOW FOR HEAVE IN THE FLOOR SLAB.

ALL NAILING NOT INDICATED ON THE DRAWINGS SHALL CONFORM TO THE NAILING SCHEDULE OF THE GOVERNING

- WALLS SHALL NOT BE TIGHT BETWEEN THE SLAB AND THE FRAMING ABOVE!
  SHEATHING FOR HORIZONTAL DIAPHRAGMS SHALL BE EXTERIOR GRADE, C/D, STRUCTURAL GROUP II OR BETTER. ROOF AND WALL FRAMING SHALL BE OF DOUGLAS FIR-LARCH OR SOUTHERN PINE. PROVIDE SOLID BLOCKING AT ALL PANEL EDGES UNLESS OHTERWISE NOTED. WHERE PANELS ARE APPLIED ON BOTH FACES OF A WALL, PANEL JOINTS SHALL BE
- 10. ALL WOOD STRUCTURAL PANELS SHALL BE IDENTIFIED WITH THE APPROPRIATE GRADE TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION (APA) AND SHALL MEET THE REQUIREMENTS OF PRODUCT STANDARD PS-1.
- . WOOD STRUCTURAL PANÈLS ŚHALL BE SET WITH FACE GRAIN PERPENDICULAR TO SUPPORTING MEMBERS AND STAGGER . STANDARD WASHERS SHALL BE USED WITH ALL BOLTS FASTENING WOOD MEMBERS. 13. ALL SAWN LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE
- . ROOF FRAMING RIDGE BEAMS. VALLEY AND HIP RAFTERS SHALL HAVE A MINIMUM NOMINAL THICKNESS OF 2" AND MINIMUM DEPTH NOT LESS THAN THE END CUT OF THE RAFTERS. HIP AND VALLEY RAFTERS SHALL BE SUPPORTED AT THE RIDGE BY A 2X6 "TEE" BRACE TO A BEARING PARTITION. WHERE ROOF BRACING IS USED TO PERMIT LONGER RAFTERS SPAN, USE 2X6 "TEE" BRACES AT 4'-0" O.C. WITH CONTINUOUS 2X6 PURLIN UNDER THE RAFTERS. BRACE RAFTERS TO BEARING PARTITIONS
- PROVIDE CONTINUOUS STRONG BACKS FOR CEILING JOIST SPANS 12'-0" OR GREATER MAXIMUM FLOOR JOIST SPANS SHALL BE AS FOLLOWS FOR THE SIZE AND SPACING OF THE JOISTS INDICATED (40 PSF LIVE LOAD, 10 PSF DEAD LOAD): 2X8'S AT 16" O.C. - 12'-7"
- 2X10'S AT 16" O.C. 15'-5" 2X10'S AT 12 O.C. - 16'-10" 2X12'S AT 16" O.C. - 17'-10"
- CEILING JOISTS (C.J.'S) ARE DF/L #2, AT 16" O.C., WITH AN ALLOWABLE SPAN AS FOLLOWS, OR AS SHOWN ON PLANS: 2X6'S AT 16" O.C. - 12'-10"
- 2X8'S AT 16" O.C. 16'-3" 2X10'S AT 16" O.C. - 19'-10"
- 2X12'S AT 16" O.C. 22'-0" 18. ROOF RAFTERS (R.R.'S) ARE DF/L #2, WITH AN ALLOWABLE RAFTER SPAN AS FOLLOWS:
- 2X6'S AT 24" O.C. 10'-0" 2X6'S AT 16" O.C. - 12'-0"
- 2X8'S AT 24" O.C. 12'-4' 2X8'S AT 16" O.C. - 15'-1"
- 19. BRACE THE COMPRESSION FLANGE OF ALL BEAMS UNLESS NOTED OTHERWISE
- 20. ALL BEAMS OR HEADERS THAT BEAR ON WOOD FRAMING SHALL BE SUPPORTED BY ANOTHER BEAM OR HEADER OR A BUILT-UP STUD COLUMN THE FULL WIDTH OF THE BEAM CONTINUOUS TO THE FOUNDATION OR OTHER STRUCTURAL
- ALL LIGHT GAGE METAL FRAMING ACCESSORIES NOTED SHALL BE AS MANUFACTURED BY "SIMPSON STRONG TIE" OR APPROVED EQUAL, ATTACH FRAMING ACCESSORIES TO WOOD FRAMING IN ACCORDANCE WITH MANUFACTURERS
- 22. PROVIDE HEADERS AS SHOWN ON PLAN, FOR HEADERS NOT MARKED REFERENCE TYPICAL BEARING WALL HEADER SCHEDULE. 23. FLOOR SHEATHING SHALL BE 3/4" TONGUE & GROOVE WOOD STRUCTURAL PANEL. GLUE & NAIL TO FLOOR JOISTS WITH
- 8D NAILS AT 6" O.C. AT ALL PANEL EDGES AND AT 12" O.C. AT INTERMEDIATE SUPPORTS. . ALL EXTERIOR WOOD WALL FRAMING SHALL BE 2X6 DOUG-FIR NO. 2 AT 16"OC, UNO.
- 25. ALL INTERIOR BEARING WALL FRAMING SHALL BE 2X4 DOUG-FIR NO. 2 AT 16"OC. UNO. 26. WOOD TRUSSES AND THEIR CONNECTIONS SHALL BE DESIGNED BY THE TRUSS MANUFACTURER FOR THE LOADS STIPULATED ON THE DRAWINGS. SHOP DRAWINGS AND CALCULATIONS WITH AN ENGINEER'S SEAL FOR THE STATE OF MISSOURI SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION. CONNECTION PLATES SHALL MEET THE REQUIREMENTS OF THE GOVERNING BUILDING CODE.
- TEMPORARY STABILITY OF WOOD TRUSSES DURING ERECTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR IN CONJUNCTION WITH ALL RECOMMENDATIONS OF THE MANUFACTURER. 28. WOOD TRUSSES SHALL NOT BE FIELD CUT.

- THE BUILDING THERMAL ENVELOPE SHALL BE SEALED WITH AN AIR BARRIER PER 2018 IRC SEC N1102. LIGHTING FIXTURES PENETRATING THE THERMAL ENVELOPE SHALL BE IC-RATED, LEAKAGE RATED AND SEALED TO THE GYPSUM WALLBOARD AS REQUIRED PER N1102 PROGRAMMABLE THERMOSTATS SHALL BE INSTALLED AS REQUIRED PER N1103.1.1
- AIR HANDLERS SHALL BE RATED FOR MAXIMUM 2% AIR LEAKAGE RATE PER N1103.2.2.1 BUILDING CAVITIES USED AS RETURN AIR PLENUMS SHALL BE SEALED TO PREVENT LEAKAGE ACROSS THE THERMAL ENVELOPE AS REQUIRED PER N1103
- 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. HOT WATER PIPES SHALL BE INSULATED AS REQUIRED PER N1103.41.
- ALL EXHAUST FANS SHALL TERMINATE TO THE BUILDING EXTERIOR AS REQUIRED PER M1505.2. MAKEUP AIR SYSTEMS SHALL BE INSTALLED FOR KITCHEN EXHAUST HOODS THAT EXCEED 400 CFM AS REQUIRED PER
- 10. AN AIR HANDLING SYSTEM SHALL NOT SERVE BOTH THE LIVING SPACE AND THE GARAGE PER M1601.6. 11. MINIMUM MECHANICAL EFFICIENCY RATING FOR AC EQUIPMENT IS 13 SEER AS REQUIRED PER IRC.
- 12. MINIMUM MECHANICAL EFFICIENCY RATING FOR FORCED AIR FURNACE IS 78% AS REQ'D PER IRC. 13. CONTRACTOR SHALL PROVIDE COMPLIANCE REPORT PER N1105.4.3 TO THE BUILDING OFFICIAL.

# ABBREVIATIONS LEGEND

AB ACI AFF AISC AISI ARCH ASTM AWS BFF BFS BOS BRWP CIP CJ CLR CONCT CONST CONT DIA EIFS ELEC EQ EW FF FS GA	CONSTRUCTION CONTINUOUS DIAMETER EXTERIOR INSULATION AND FINISH SYSTEM ELEVATION ELECTRICAL EQUAL EACH WAY FOUNDATION FINISH FLOOR FAR SIDE	MTL NO NS NTS OC OH PAF PCF PL PLF PSI QTY REF REQD REV RO SIM T&B TFS THK TO TOC TOF TOS TRANS	REINFORCING REQUIRED REVERSE ROUGH OPENING SIMILAR TOP AND BOTTOM TOP OF FOOTING STEP THICK TOP OF TOP OF CONCRETE TOP OF FOOTING TOP OF PAVING TOP OF STEEL
DIA EIFS EL	CONTINUOUS DIAMETER EXTERIOR INSULATION AND FINISH SYSTEM	SIM T&B TES	ROUGH OPENING SIMILAR TOP AND BOTTOM
EQ EW FDN FF	ELECTRICAL EQUAL EACH WAY FOUNDATION	TO TOC TOF TOP	THICK TOP OF TOP OF CONCRETE TOP OF FOOTING
FTG GA GC GYP BD	FAR SIDE FOOTING GAGE GENERAL CONTRACTOR	TRANS TYP UNO VERT	TOP OF STEEL TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE
HORIZ HSA INFO JST JT KSI	GYPSUM BOARD HORIZONTAL HEADED STUD ANCHOR INFORMATION JOIST JOINT	W WBM WP WS WWF	VERTICAL WIDTH WALL BRACE METHOD WORK POINT WALL STEP WELDED WIRE FABRIC
LBS LONG	KIPS PER SQUARE INCH POUNDS		WELDED WINE I ADMO

# SYMBOLS LEGEND

LONGITUDINAL

MAXIMUM

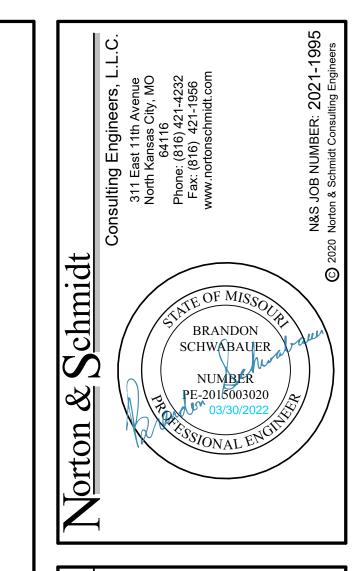
ELEVATION DESCRIPTION	ELEVATION DESIGNATIO N	1	REVISION DESIGNATION
	CUT SYMBOL	22	PLAN NOTE SYMBOL
TYPE NO/SHEET	SECTION CUT	1	SLAB JOINT DESIGNATION
TYPE NO/SHEET	ELEVATION DETAIL	100'-0"	SPOT ELEVATION
TYPE NO SHEET TYPE	BLOWUP DETAIL	4 4 4 4	CONCRETE WALL
WSP	WOOD STRUCTURAL PANEL		WOOD NON-LOAD BEARING STUD WALL
ABW	ALTERNATE BRACED WALL PANEL		BRACED WALL PANEL
PFH	PORTAL FRAME WITH HOLD-DOWNS		BRACED WALL LINE
PFG	PORTAL FRAME AT GARAGE		WOOD STUD BEARING WALL
(SD)	SMOKE DETECTOR	CD	CARBON-MONOXIDE DETECTOR

# INSULATION AND FENESTRATION REQUIREMENTS - IRC TABLE N1102.1.2

REFERENCE IRC FOR DIFFERENT CLIMATE ZONE VALUES

REFERENCE IRC FOR DIFFEREN				
COMPONENT		VALUE		
FENESTRATION		U ≤ TO 0.32	(b)	
SKYLIGHT		U ≤ TO 0.55	(b)	
GLAZED FENESTRATION SHGC		U ≤ TO 0.40	(b)(e)	
CEILING		R-49		
CEILING WITH ATTIC SPACES (C	OVER 100% OF THE CEILING)	R-38		
CEILING- VAULTED (500 SQ.FT. CEILING AREA, WHICHEVER IS I	R-30			
WOOD FRAME WALL	R-20 OR R-13 + 5	(h)		
MASS WALL		R-8 / R-13	(i)	
FLOOR		R-19		
BASEMENT WALL		R-10 / R-13	(c)	
SLAB (R VALUE/DEPTH)		R-10 / 2 FT	(d)	
CRAWLSPACE WALL W/ FLOOR	INSULATION	R-10 / R-13	(c)	
DUCTS OUTSIDE OF THE	CTS OUTSIDE OF THE SUPPLY AND RETURN			
CONDITIONED SPACE	CONDITIONED SPACE IN FLOOR & CEILING ASSEMBLY			

- R VALUES ARE MINIMUMS. U FACTORS AND SHGC ARE MAXIMUMS. WHEN INSULATION IS INSTALLED IN A CAVITY WHICH IS LESS THAN THE LABEL OR DESIGN THICKNESS OF THE INSULATION, THE INSTALLED R-VALUE OF THE INSULATION SHALL NOT BE LESS THAN THE R-VALUE SPECIFIED IN THE TABLE.
- THE FENESTRATION U FACTOR EXCLUDES SKYLIGHTS. THE SHGC APPLIES TO ALL GLAZED
- "10/13" MEANS R-10 CONTINUOUS INSULATION ON THE INTERIOR OR EXTERIOR OF THE HOME OR R-13 CAVITY INSULATION ON THE INTERIOR OF THE BASEMENT WALL.
- R 5 SHALL BE PROVIDED UNDER THE FULL SLAB AREA OF A HEATED SLAB IN ADDITION TO THE REQUIRED SLAB EDGE INSULATION R-VALUE FOR SLABS, AS INDICATED IN THE TABLE. THE SLAB EDGE INSULATION FOR HEATED SLABS SHALL NOT BE REQUIRED TO EXTEND BELOW THE SLAB.
- THERE ARE NO SHGC REQUIREMENTS IN THE MARINE ZONE. BASEMENT WALL INSULATION IS NOT REQUIRED IN WARM-HUMID LOCATIONS AS DEFINED
- BY FIGURE N1101.10 AND TABLE N1101.10. ALTERNATIVELY, INSULATION SUFFICIENT TO FILL THE FRAMING CAVITY PROVIDING NOT
- LESS THAN AN R-VALUE OF R-19. FIRST VALUE IS CAVITY INSULATION, SECOND VALUE IS CONTINUOUS INSULATION. THEREFORE, AS AN EXAMPLE, "13+5" MEANS R-13 CAVITY INSULATION PLUS R-5
- CONTINUOUS INSULATION. MASS WALLS SHALL BE IN ACCORDANCE WITH SECTION N1102.2.5. THE SECOND R-VALUE APPLIES WHEN MORE THAN HALF OF THE INSULATION IS ON THE INTERIOR OF THE MASS



**ISSUES & REVISIONS** # DATE DESCRIPTION 1 8/11/2021 Permit

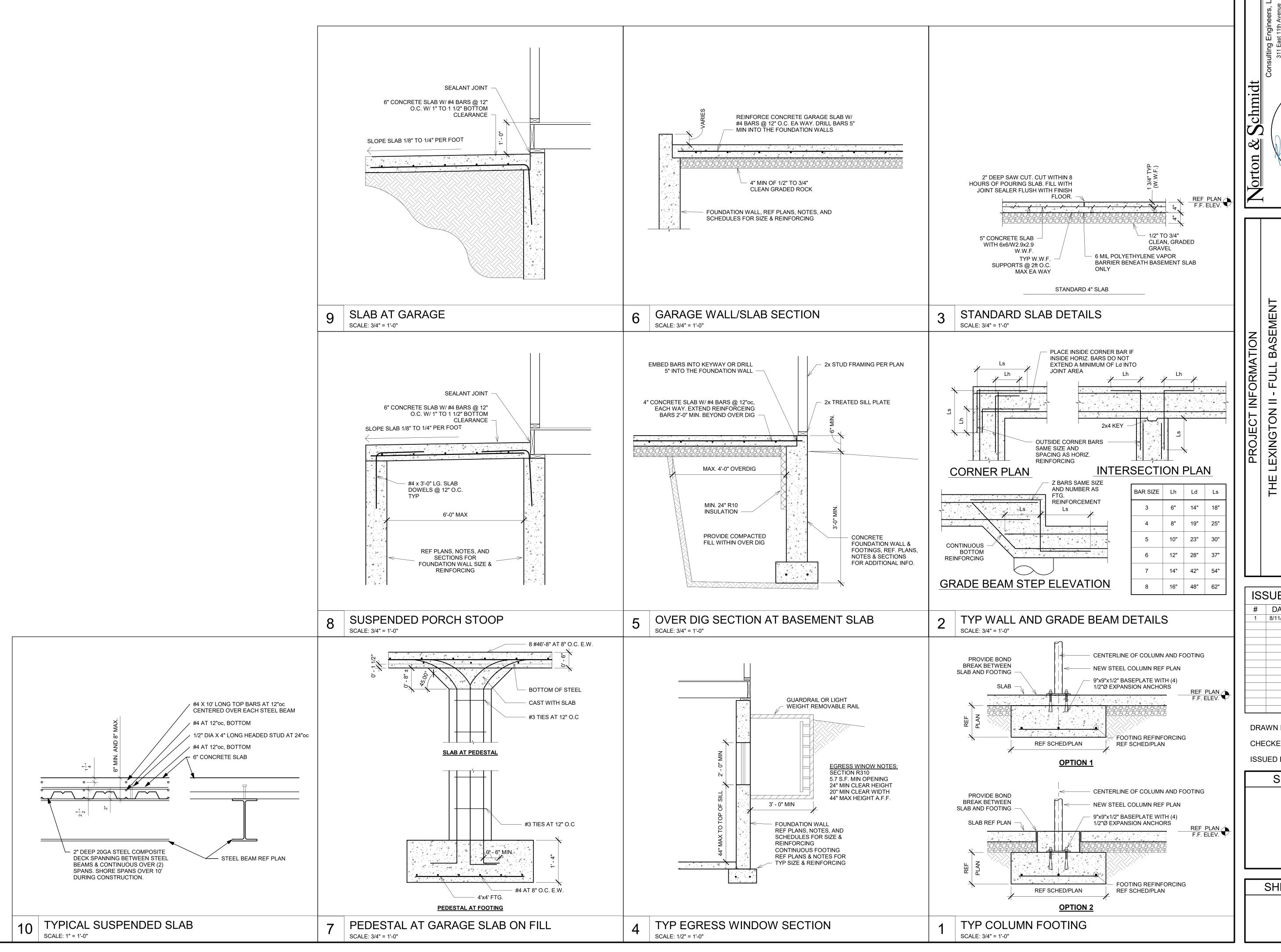
DRAWN BY CHECKED BY

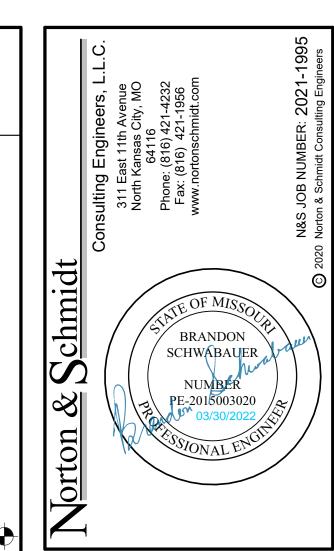
ISSUED FOR:

SHEET TITLE **GENERAL NOTES** 

SHEET NUMBER

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOUR 03/30/2022 4:56:35

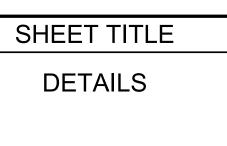




THE LEXINGTON II - FULL BASEMENT

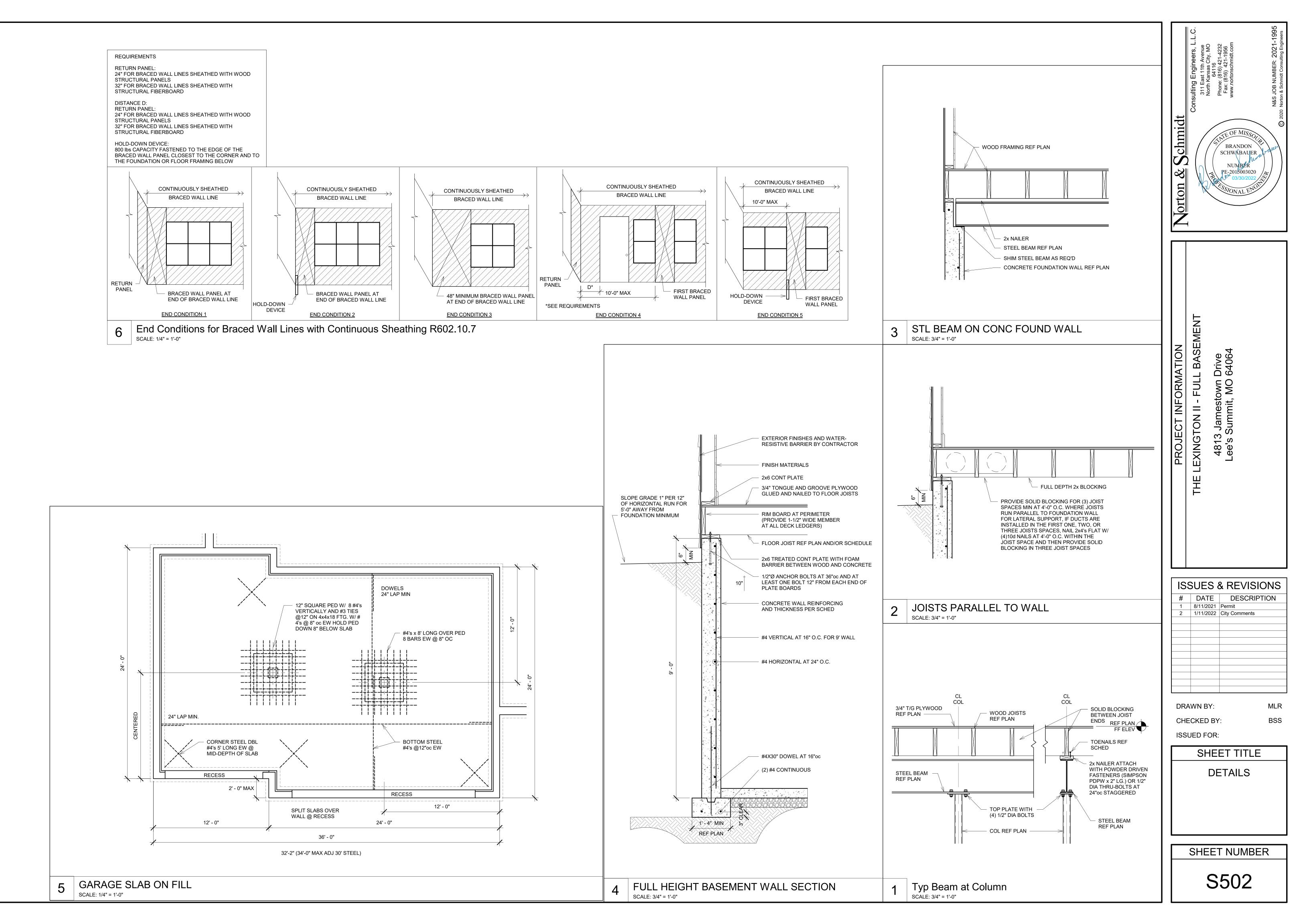
A813 Jamestown Drive
Lee's Summit, MO 64064

ISS	ISSUES & REVISIONS					
#	DATE	DESCRIPTION				
1	8/11/2021	Permit				
DRAWN BY:						
CHE	': BSS					
ISSU	JED FOR:	:				

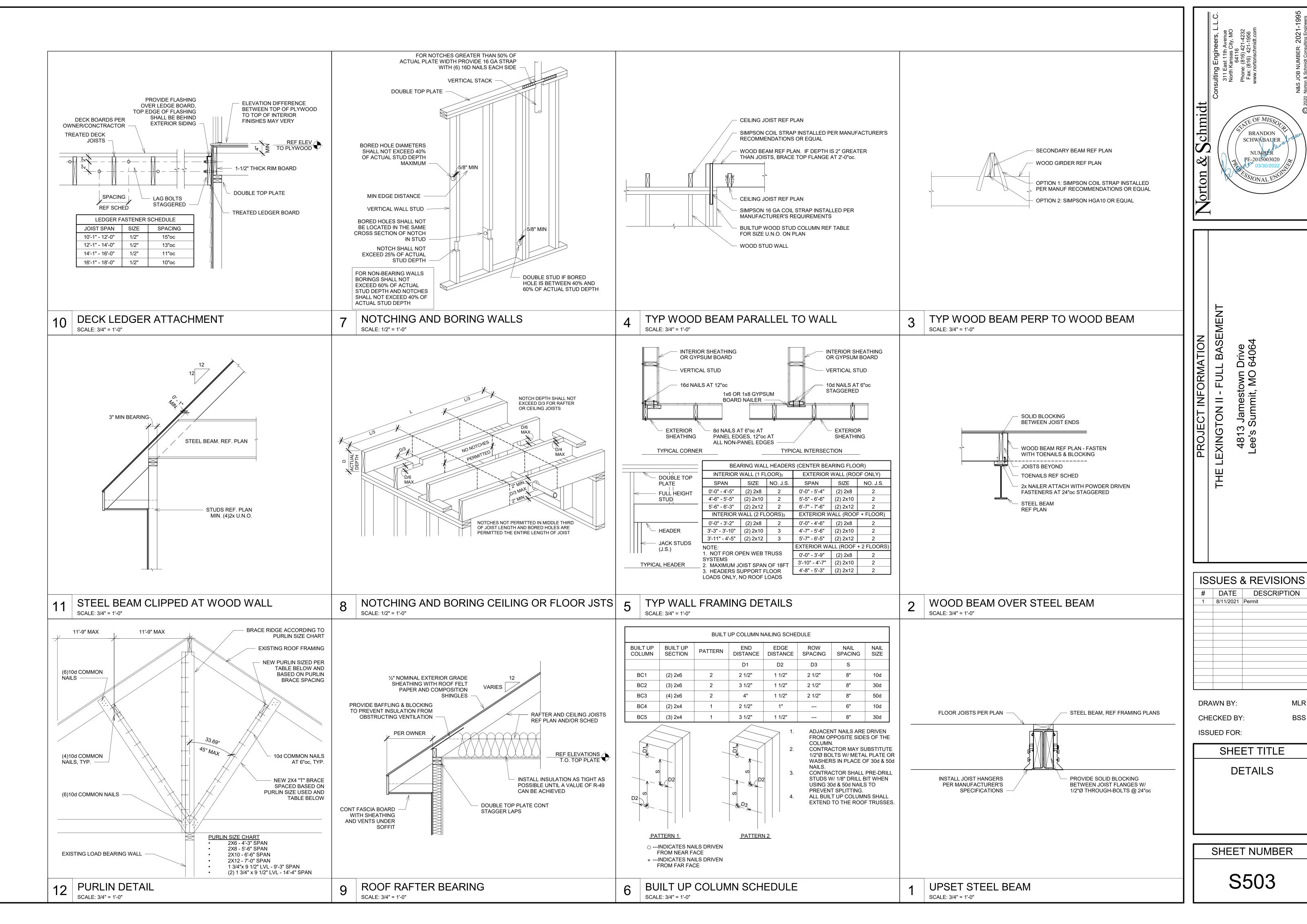


SHEET NUMBER

S501



RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOUR
03/30/2022 4:56:36



RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW

# AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOUR 03/30/2022 4:56:36 TABLE R802.5.1(9) RAFTER/CEILING JOIST CONNIFCTIONS (a,b,c,d,e,f,g)

HEEL JOINT CONNECTIONS (a,b,c,d,e,f,g)																	
			GROUND SNOW LOAD (PSF)														
			20	)(f)			3	0			5	0			7	0	
			ROOF SPAN (FEET)														
	RAFTER	12	20	28	36	12	20	28	36	12	20	28	36	12	20	28	36
SLOPE SPACING REQUIRED NUMBER OF 16d COMMON I PER HEEL JOINT SPLICES (c,d,																	
3:12	12 16 24	4 5 7	6 8 11	8 10 15	10 13 19	4 5 7	6 8 11	8 11 16	11 14 21	5 6 9	8 11 16	12 15 23	15 20 30	6 8 12	11 14 21	15 20 30	20 26 39
4:12	12 16 24	3 4 5	5 6 8	6 8 12	8 10 15	3 4 5	5 6 9	6 8 12	8 11 16	4 5 7	6 8 12	9 12 17	11 15 22	5 6 9	8 11 16	12 15 23	15 20 29
5:12	12 16 24	3 3 4	4 5 7	5 6 9	6 8 12	3 3 4	4 5 7	5 7 10	7 9 13	3 4 6	5 7 10	7 9 14	9 12 18	4 5 7	7 9 13	9 12 18	12 16 23
7:12	12 16 24	3 3 3	4 4 5	4 5 7	5 6 9	3 3	3 4 5	4 5 7	5 6 9	3 3 4	4 5 7	5 7 10	7 9 13	3 4 5	5 6 9	7 9 13	9 11 17
9:12	12 16 24	3 3 3	3 4 4	4 4 6	4 5 7	3 3 3	3 3 4	3 4 6	4 5 7	3 3 3	3 4 6	4 5 8	5 7 10	3 3 4	4 5 7	5 7 10	7 9 13
12:12	12 16 24	3 3 3	3 3 4	3 4 4	3 4 5	3 3 3	3 3 3	3 3 4	3 4 6	3 3 3	3 3 4	3 4 6	4 5 8	3 3 3	3 4 6	4 5 8	5 7 10

- 40d BOX NAILS SHALL BE PERMITTED TO BE SUBSTITUTED FOR 16D COMMON NAILS. NAILING REQUIREMENTS SHALL BE PERMITTED TO BE REDUCED 25% IF NAILS ARE CLINCHED.
- HEEL JOINT CONNECTIONS ARE NOT REQUIRED WHEN THE RIDGE IS SUPPORTED BY A LOAD-BEARING WALL, HEADER, OR RIDGE BEAM.
- WHEN INTERMEDIATE SUPPORT OF THE RAFTER IS PROVIDED BY VERTICAL STRUTS OR PURLINS TO A LOAD-BEARING WALL, THE TABULATED HEEL JOINT CONNECTION REQUIREMENTS SHALL BE
- PERMITTED TO BE REDUCED PROPORTIONALLY TO THE REDUCTION IN SPAN.
- EQUIVALENT NAILING PATTERNS ARE REQUIRED FOR CEILING JOIST TO CEILING JOIST LAP SPLICES. APPLIES TO ROOF LIVE LOAD OF 20 PSF OR LESS.
- TABULATED HEEL JOINT CONNECTION REQUIREMENTS ASSUME THAT CEILING JOISTS OR RAFTER TIES ARE LOCATED AT THE BOTTOM OF THE ATTIC SPACE. WHEN CEILING JOISTS OR RAFTER TIES ARE LOCATED HIGHER IN THE ATTIC, HEEL JOINT CONNECTION REQUIREMENTS SHALL BE INCREASED BY THE FOLLOWING FACTORS:

Hc/Hr	HEEL JOINT CONNECTION ADJUSTMENT FACTOR
1/3	1.5
1/4	1.33
1/5	1.25
1/6	1.2
1/10 OR LESS	1.11

# WHERE:

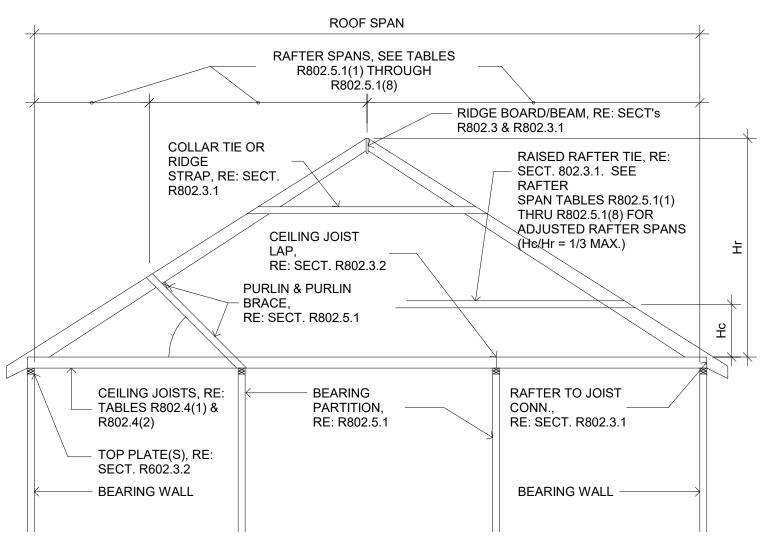
Hc= HEIGHT OF CEILING JOIST OR RAFTER TIES MEASURED VERTICALLY ABOVE THE TOP THE RAFTER SUPPORT WALLS	OF
Hr=HEIGHT OF ROOF RIDGE	

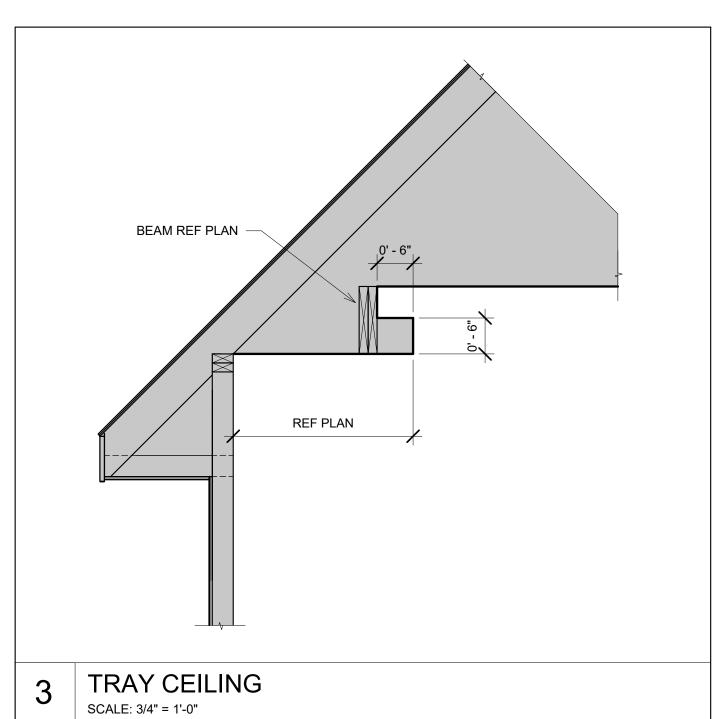
THE TOTAL PERCOST FORT WALLS.		
Hr=HEIGHT OF ROOF RIDGE MEASURED VERTICALLY ABOVE THE TOP OF THE RAFTER		
SUPPORT WALLS.		

ROOF RAFTER SCHEDULE								
GRADE	MEMBER SIZE / SPACING	MAX SPAN CEILING JSTS AT TOP PLATE	MAX SPAN HḨ <sub>₹</sub> 0.16	MAX SPAN H⊬H≅0.20	MAX SPAN HḨ <sub>₹</sub> 0.25	MAX SPAN HeH≅0.33		
#2 DF/L	2x6 / 16"oc	14'-1"	12'-8"	11'-8"	10'-8"	9'-5"		
#2 DF/L	2x8 / 16"oc	18'-2"	16'-4"	15'-1"	13'-9"	12'-2"		
#2 DF/L	2x10 / 16"oc	22'-3"	20'-0"	18'-5"	16'-10"	14'-10"		
#2 DF/L	2x12 / 16"oc	25'-9"	23'-2"	21'-4"	19'-7"	17'-3"		

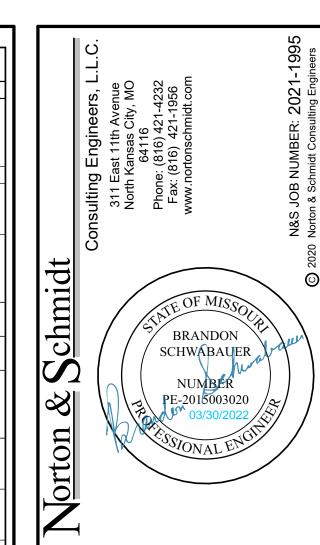
SPANS ABOVE ARE FOR ROOF LIVE LOAD OF 20 PSF AND DEAD LOAD OF 10 PSF WITH CEILINGS ATTACHED TO RAFTERS. RE: TABLES R802.5.1(1) THROUGH R802.5.1(8) FOR ADDITIONAL RAFTER SPAN INFORMATION.

THE ROOF FRAMING ON THIS HOME UTILIZES RAFTERS SPACED AT 16" ON CENTER IN EXPOSURE B WITH A ROOF SPAN LESS THAN 42' ON IN 90 MPH WIND ZONE. THEREFORE THE UPLIFT FORCE ON THE RAFTER IS LESS THAN 200 LBS. AND CAN BE CONNECTED PER TO THE WALL FRAMING PER TABLE 602.3(1) (ON SHEET 6.0).





F	<u>ASTENING SCHE</u>	DULE IRC 2018 TABLE R6	02.3(1)	ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER (a)(b)(c)	SPACING A	ND LOCATION
		NUMBER AND TARE	Г			Floor	I	
ГЕМ	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER (a)(b)(c)  Roof  4-8d box (2-1/2" × 0.113") or	SPACING AND LOCATION	21	Joist to sill, top plate or girder	4-8d box (2-1/2" × 0.113"); or 3-8d common (2-1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails	То	oe nail
1	Blocking between ceiling joists or rafters to top plate	3-8d common (2-1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails	Toe nail	22	Rim joist, band joist or blocking to sill or top plate (roof applications also)	8d box (2-1/2" × 0.113")  8d common (2-1/2" × 0.131"); or 10d box (3" × 0.128"); or 3" × 0.131" nails		c. toe nail
2	Ceiling joists to top plate	4-8d box (2-1/2" × 0.113"); or 3-8d common (2-1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails	Per joist, toe nail	23	1" × 6" subfloor or less to each joist	3-8d box (2-1/2" × 0.113"); or 2-8d common (2-1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 2 staples, 1" crown, 16 ga., 1-3/4" long	2" × 0.131"); or Face nail	
3	Ceiling joist not attached to parallel rafter, laps over partitions (see Section R802.5.2 and Table R802.5.2)	4-10d box (3" × 0.128"); or 3-16d common (3-1/2" × 0.162"); or 4-3" × 0.131" nails	Face nail	24	2" subfloor to joist or girder	3-16d box (3-1/2" × 0.135"); or 2-16d common (3-1/2" × 0.162")		nd face nail
4	Ceiling joist attached to parallel rafter (heel joint) (see Section R802.5.2 and Table R802.5.2)	Table R802.5.2	Face nail	25	2" planks (plank & beam—floor & roof)	3-16d box (3-1/2" × 0.135"); or 2-16d common (3-1/2" × 0.162")	At each be	aring, face nail
5	Collar tie to rafter, face nail or 11/4" × 20 ga. ridge strap to rafter	4-10d box (3" × 0.128"); or 3-10d common (3" × 0.148"); or 4-3" × 0.131" nails	Face nail each rafter	26	Band or rim joist to joist	3-16d common (3-1/2" × 0.162") 4-10 box (3" × 0.128"), or 4-3" × 0.131" nails; or 4-3" × 14 ga. staples, 7/16" crown	End nail	
6	Rafter or roof truss to plate	3-16d box nails (3-1/2" × 0.135"); or 3-10d common nails (3" × 0.148"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails	2 toe nails on one side and 1 toe nail on opposite side of each rafter or truss(i)			20d common (4" × 0.192"); or	32" o.c. at to bottom and	staggered.
	Poof rofters to ridge, valley	4-16d (3-1/2" × 0.135"); or 3-10d common (3" × 0.148"); or 4-10d box (3" × 0.128"); or	Toe nail	27	Built-up girders and beams, 2-inch lumber layers	10d box (3" × 0.128"); or 3" × 0.131" nails  And:	24" o.c. face nail at top and bottom staggered on opposite sides	
7	Roof rafters to ridge, valley or hip rafters or roof rafter to minimum 2" ridge beam	4-3" × 0.131" nails  3-16d box (3-1/2" × 0.135"); or 2-16d common (3-1/2" × 0.162"); or 3-10d box (3" × 0.128"); or	End nail			2-20d common (4" × 0.192"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails	Face nail at each splice	ends and at
		3-3" × 0.131" nails  Wall  16d common (3-1/2" × 0.162")	24" o.c. face nail	28	Ledger strip supporting joists or rafters	4-16d box (3-1/2" × 0.135"); or 3-16d common (3-1/2" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails		oist or rafter, ce nail
8	Stud to stud (not at braced wall panels)	10d box (3" × 0.128"); or 3" × 0.131" nails	16" o.c. face nail	29	Bridging or blocking to joist	2-10d box (3" × 0.128"), or 2-8d common (2-1/2" ×	Each e	nd, toe nail
9	Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d box (3-1/2" × 0.135"); or 3" × 0.131" nails 16d common (3-1/2" × 0.162")	12" o.c. face nail		DECORPORAÇÃO DE DE UN DIVIDA DE TEXTO DE LA COMPANIO DEL COMPANIO DE LA COMPANIO DE LA COMPANIO DEL COMPANIO DE LA COMPANIO DEL COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DEL COMPANIO DE LA COMPANIO DEL	0.131"); or 2-3" × 0.131") nails NUMBER AND TYPE		F FASTENER
10	Built-up header (2" to 2" header with 1/2" spacer)	16d common (3-1/2" × 0.162") 16d box (3-1/2" × 0.135")	16" o.c. each edge face nail 12" o.c. each edge face nail		DESCRIPTION OF BUILDING ELEMENTS	OF FASTENER (a)(b) (c)	Edges (inches)(h)	supports(c)(e (inches)
11	Continuous header to stud	5-8d box (2-1/2" × 0.113"); or 4-8d common (2-1/2" × 0.131"); or 4-10d box (3" × 0.128")	Toe nail	Wo	ood structural panels, subfloor, roof and interior v [see Table R602.3(3) for wood stru	vall sheathing to framing and particleboa uctural panel exterior wall sheathing to w 6d common (2" × 0.113") nail		ning to framing
12	Top plate to top plate	16d common (3-1/2" × 0.162") 10d box (3" × 0.128"); or 3" × 0.131" nails	16" o.c. face nail 12" o.c. face nail	30	3/8" – 1/2"	(subfloor, wall)(i) 8d common (2-1/2" × 0.131") nail (roof); or RSRS-01 (2-3/8" × 0.113") nail (roof)(j)		12(f)
13	Double top plate splice	8-16d common (3-1/2" × 0.162"); or 12-16d box (3-1/2" × 0.135"); or 12-10d box (3" × 0.128"); or 12-3" × 0.131" nails	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 (21/2" × 0.131"); or RSRS-01; (2-3/8" × 0.113") nail (roof)(j) 10d common (3" × 0.148") nail; or	6	12(f)
	Rottom plate to joint vimilaint hand init	16d common (3-1/2" × 0.162")	16" o.c. face nail	32	1-1/8" — 1-1/4"	8d (21/2" × 0.131") deformed nail	6	12
14	Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels)	16d box (3-1/2" × 0.135"); or 3" × 0.131" nails	12" o.c. face nail		Oth	ner wall sheathing(g)		
15	Bottom plate to joist, rim joist, band joist or blocking (at braced wall panel)	3-16d box (3-1/2" × 0.135"); or 2-16d common (3-1/2" × 0.162"); or 4-3" × 0.131" nails	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	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
		4-8d box (2-1/2" × 0.113"); or 3-16d box (3-1/2" × 0.135"); or		34	25/32" structural cellulosic fiberboard sheathing	1-3/4" galvanized roofing nail, 7/16" head diameter, or 1-1/2" long 16 ga. staple with 7/16" or 1" crown	3	6
16	Top or bottom plate to stud	4-8d common (2-1/2" × 0.131"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails	Toe nail	35	1/2" gypsum sheathing(d)	1-1/2" galvanized roofing nail; staple galvanized, 1-1/2" long; 1-1/4" screws, Type W or S	7	7
		3-16d box (3-1/2" × 0.135"); or 2-16d common (3-1/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails	End nail	36	5/8" gypsum sheathing(d)	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" × 0.128"); or				mbination subfloor underlayment to fram 6d deformed (2" × 0.120") nail; or		40
17	Top plates, laps at corners and intersections	2-16d common (3-1/2" × 0.162"); or 3-3" × 0.131" nails	Face nail	37	3/4" and less  7/8" – 1"	8d common (2-1/2" × 0.131") nail  8d common (2-1/2" × 0.131") nail; or  8d deformed (2-1/2" × 0.120") nail	6	12
18	1" brace to each stud and plate	3-8d box (2-1/2" × 0.113"); or 2-8d common (2-1/2" × 0.131"); or 2-10d box (3" × 0.128"); or 2 staples 1-3/4"	Face nail	39	1-1/8" — 1-1/4"	10d common (3" × 0.148") nail; or 8d deformed (2-1/2" × 0.120") nail	6	12
19	1" × 6" sheathing to each bearing	3-8d box (2-1/2" × 0.113"); or 2-8d common (2-1/2" × 0.131"); or 2-10d box (3" × 0.128"); or 2 staples, 1" crown, 16 ga., 1-3/4" long	Face nail	b.	Nails are smooth-common, box or deformed sh sheathing connections shall have minimum ave 0.192 inch (20d common nail), 90 ksi for shank 100 ksi for shank diameters of 0.142 inch or les Staples are 16 gage wire and have a minimum	erage bending yield strengths as shown: diameters larger than 0.142 inch but not s. 7/16-inch on diameter crown width.	80 ksi for sha larger than 0	ink diameter of .177 inch, and
20	1" × 8" and wider sheathing to each bearing	3-8d box (2-1/2" × 0.113"); or 3-8d common (2-1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3 staples, 1" crown, 16 ga., 1-3/4" long Wider than 1" × 8" 4-8d box (2-1/2" × 0.113"); or 3-8d common (2-1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 4 staples, 1" crown, 16 ga., 1-3/4" long	Face nail	d. e. f. g. h.	Nails shall be spaced at not more than 6 inches Four-foot by 8-foot or 4-foot by 9-foot panels sh Spacing of fasteners not included in this table s For wood structural panel roof sheathing attach inches of roof edges and ridges, nails shall be sless than 130 mph and shall be spaced 4 inche greater but less than 140 mph.  Gypsum sheathing shall conform to ASTM C13 sheathing shall conform to ASTM C208.  Spacing of fasteners on floor sheathing panel e	all be applied vertically. hall be based on Table R602.3(2). ed to gable end roof framing and to interspaced at 6 inches on center where the use on center where the ultimate design with the solution of the	mediate suppultimate designd speed is 1 with GA 253.	oorts within 48 n wind speed i 30 mph or Fiberboard
		(continued)		i.	required blocking and at floor perimeters only. Sedges supported by framing members and requiperpendicular to the framing members need not Floor perimeter shall be supported by framing members need not where a rafter is fastened to an adjacent parallion one side of the rafter and toe nails from the conthe opposite side of the rafter shall not be re RSRS-01 is a Roof Sheathing Ring Shank nail	uired blocking. Blocking of roof or floor she to be provided except as required by othe nembers or solid blocking. el ceiling joist in accordance with this sch ceiling joist to top plate in accordance wit quired.	neathing paner r provisions of nedule, provious th this schedu	el edges of this code. de two toe nails



4813 Jamestown Lee's Summit, MO (

ISSUES & REVISIONS							
#	DATE	DESCRIPTION					
1	8/11/2021	Permit					

DRAWN BY:

CHECKED BY:

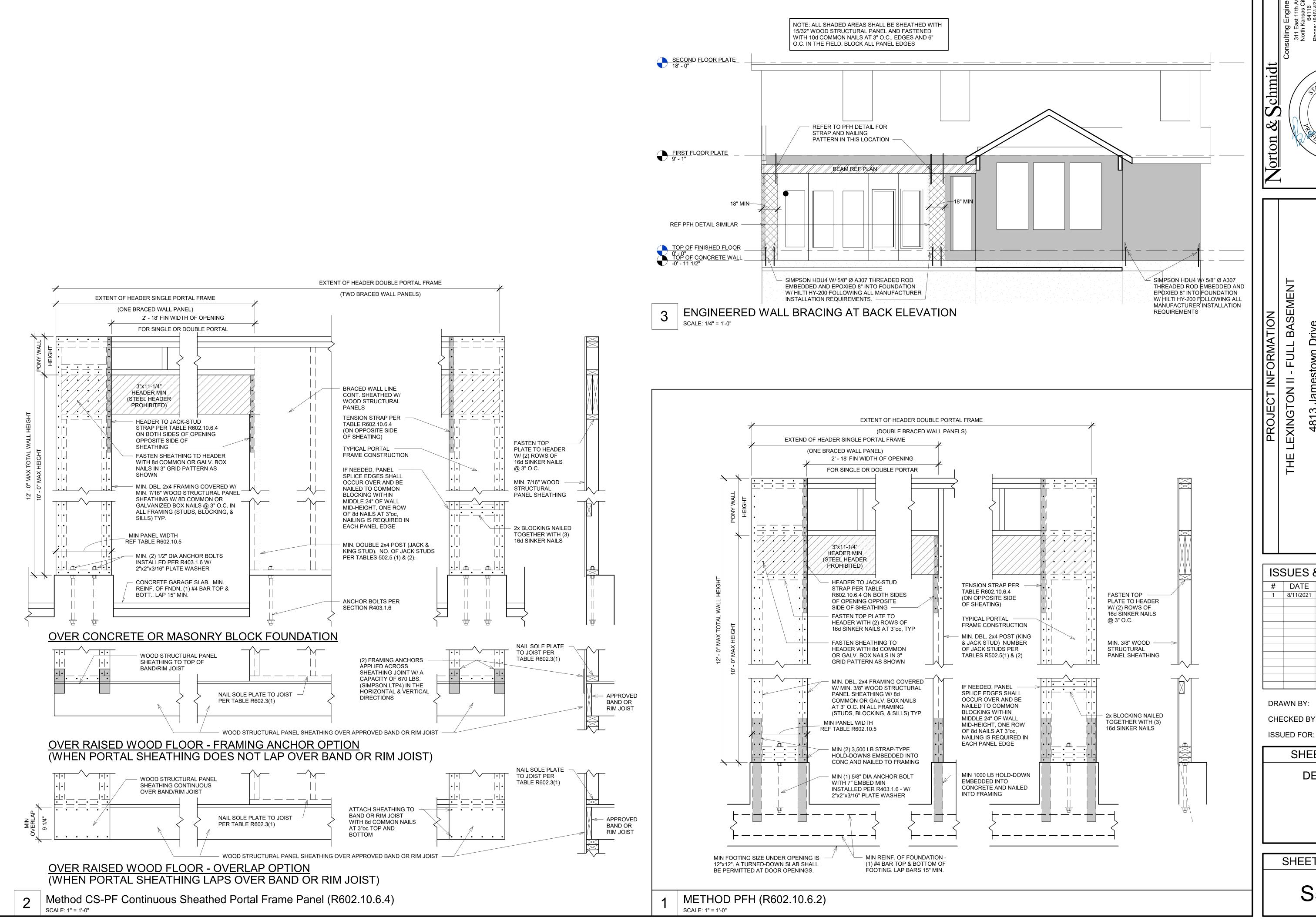
ISSUED FOR:

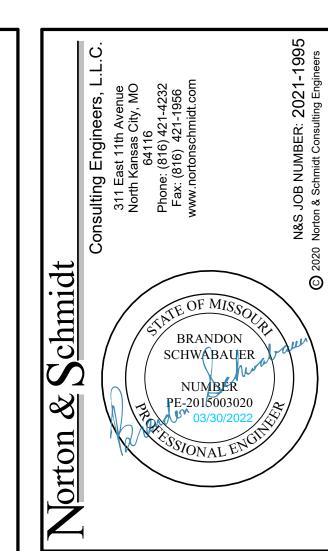
SHEET TITLE

**DETAILS** 

SHEET NUMBER

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOUR 03/30/2022 4:56:36





PROJECT INFORMATION

THE LEXINGTON II - FULL BASEMENT

4813 Jamestown Drive
Lee's Summit, MO 64064

ISSUES & REVISIONS							
#	DATE	DESCRIPTION					
1	8/11/2021	Permit					
DRAWN BY:							
CHECKED BY: BS							
ISSUED FOR:							

SHEET TITLE

DETAILS

SHEET NUMBER

S505