



THE LEXINGTON II

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S505	DETAILS						

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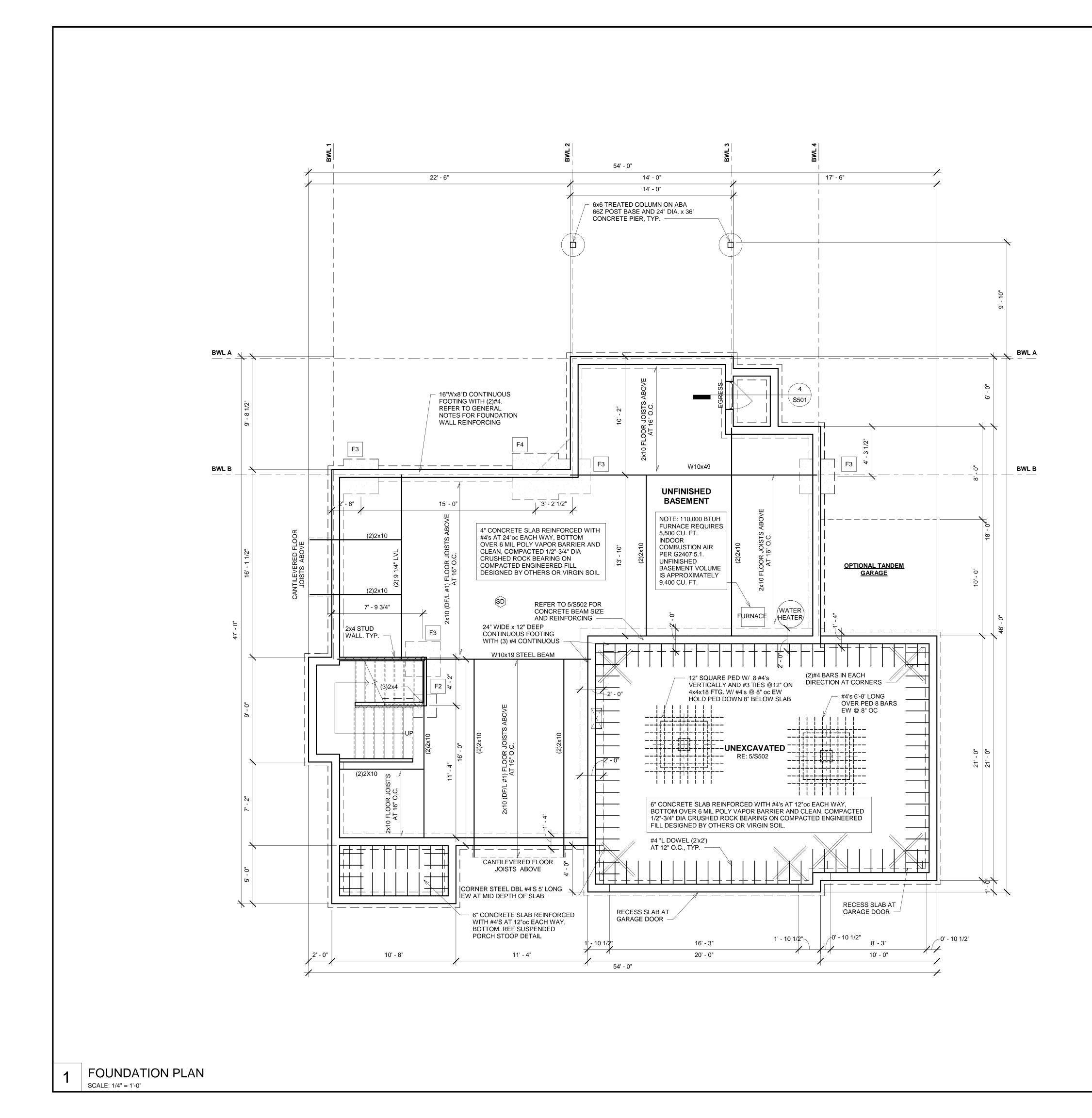


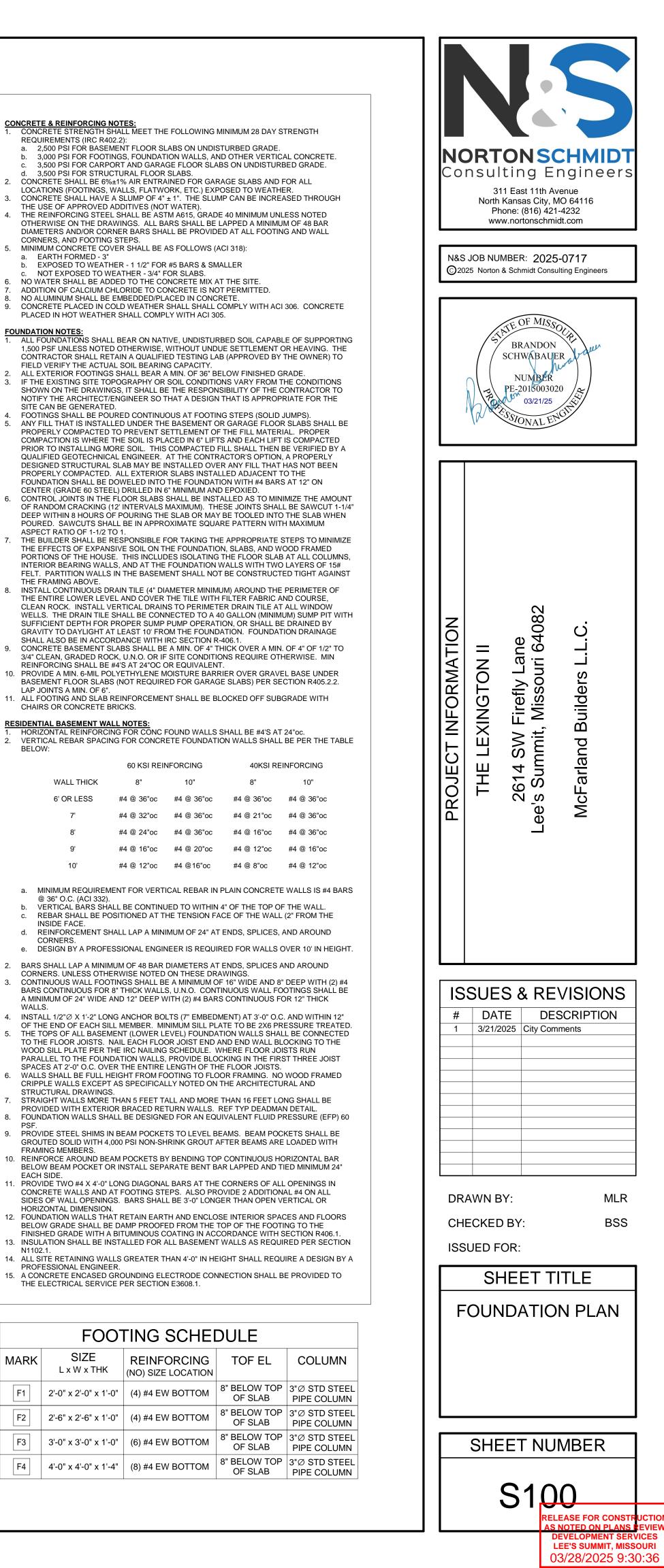
FRONT ELEVATION SCALE: 1/8" = 1'-0"

SQUARE FOOTAGES								
Name	Area							
ST FLOOR	1217 SF							
COND FLOOR	1493 SF							
RAGE	643 SF							
FINISHED BASEMENT	1089 SF							
	4442 SF							

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
03/28/2025 9:30:36

C O N&S	D S U I 31 North Ph ww JOB NUI 25 Norton	tin 1 Eas Kansa Jone: (w.nort MBER & Schn BR SCHV	g E t 11th Av as City, M 816) 421 onschmid	-0717 Iting Engined	eers
PROJECT INFORMATION	THE LEXINGTON II	2614 SW Firefly Lane	Lee's Summit, Missouri 64082	McFarland Builders L.L.C.	
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WALLS.

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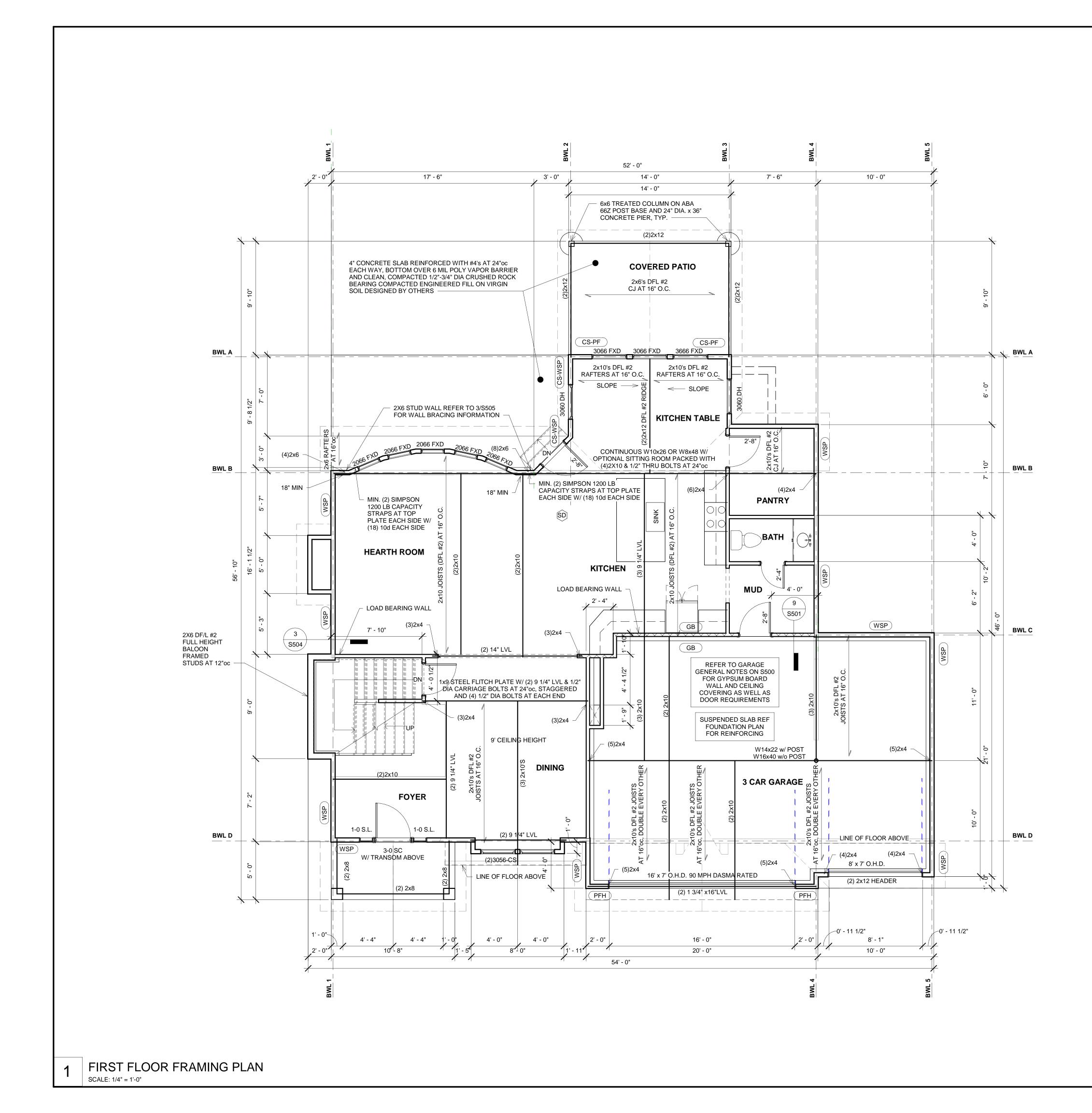
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9.



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" \emptyset x2" LONG) AT 6"oc ALONG EDGES AND 12"oc AT INTERMEDIATE SUPPORTS, WHERE SHOWN ON PLANS. UNLESS OTHERWISE NOTED, PANEL WIDTH = 4'-0".

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.

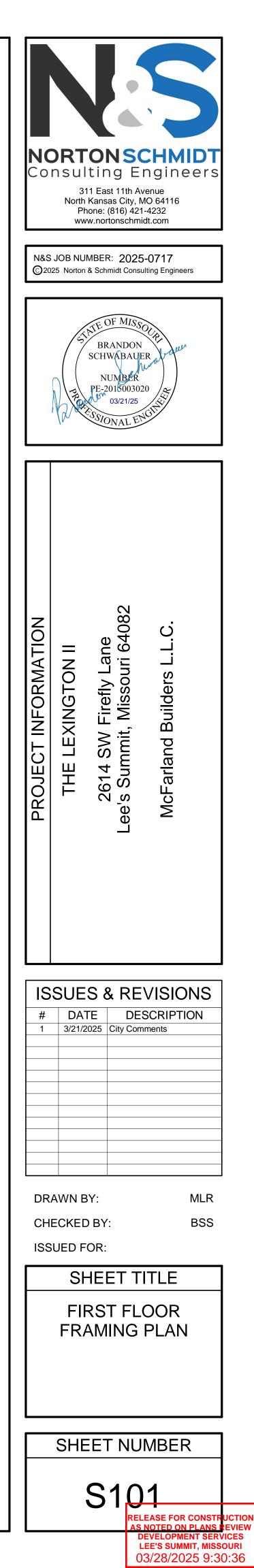
GB - GYPSUM BOARD; 1/2" GYPSUM BOARD WITH 13 GAGE, 1 3/8" LONG, 19/64" HEAD; 0.098" DIA, 1 3/8" LONG, ANNULAR-RINGED; 6d COOLER NAIL, 0.092" DIA, 1 7/8" LONG, 1/4" HEAD; OR GYPSUM BOARD NAIL, 0.0915" DIA, 1 7/8" LONG, 19/64' HEAD; TYPE W OR TYPE S SCREWS; AT 7"oc EDGES & 7"oc FIELD

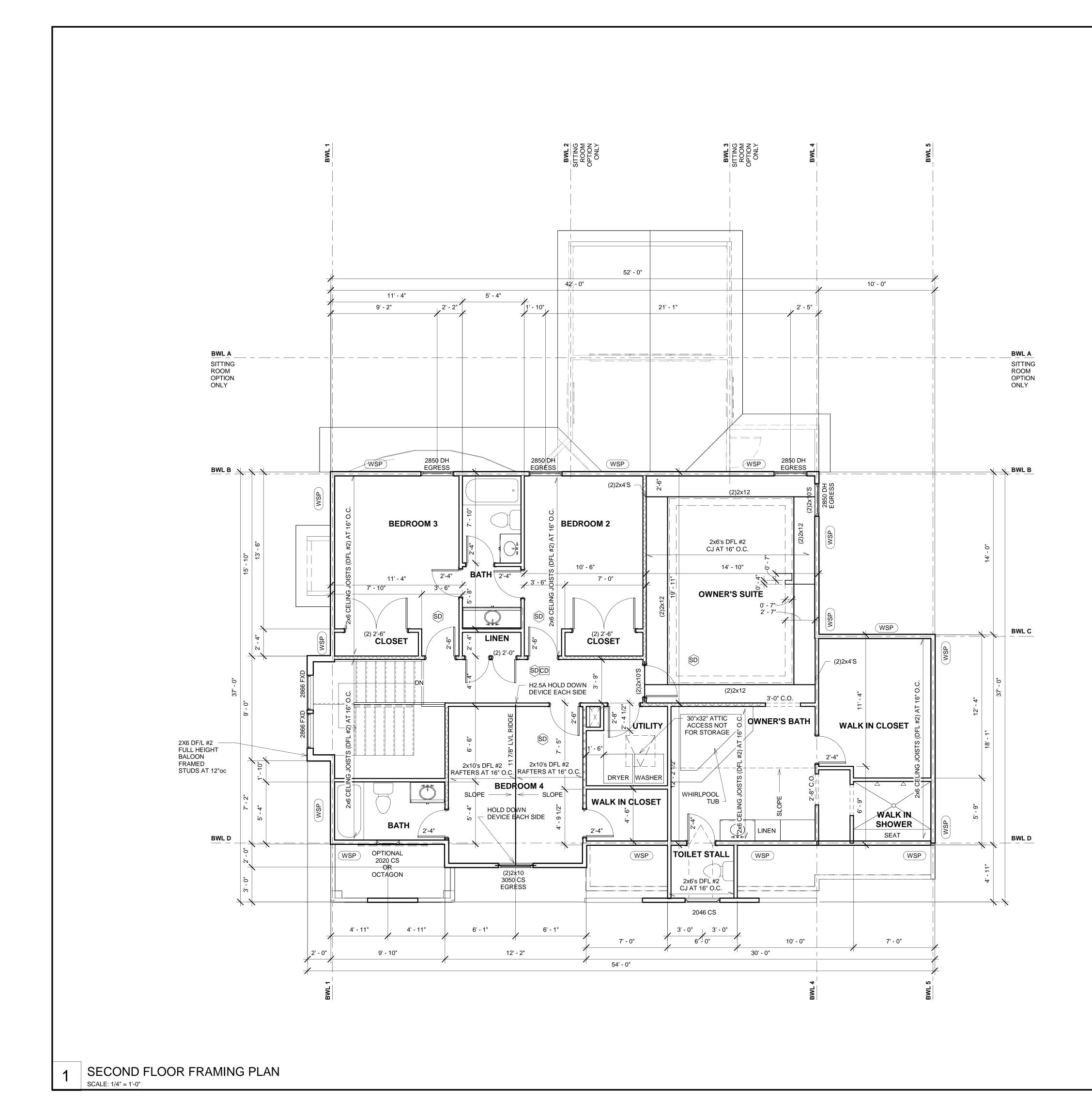
PFH - PORTAL FRAME WITH HOLD-DOWNS; REF PORTAL FRAME WITH HOLD-DOWNS DETAIL

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.





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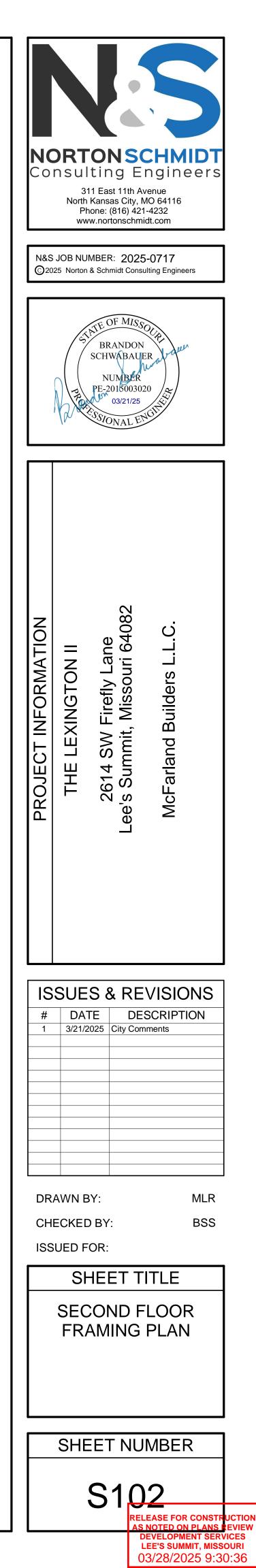
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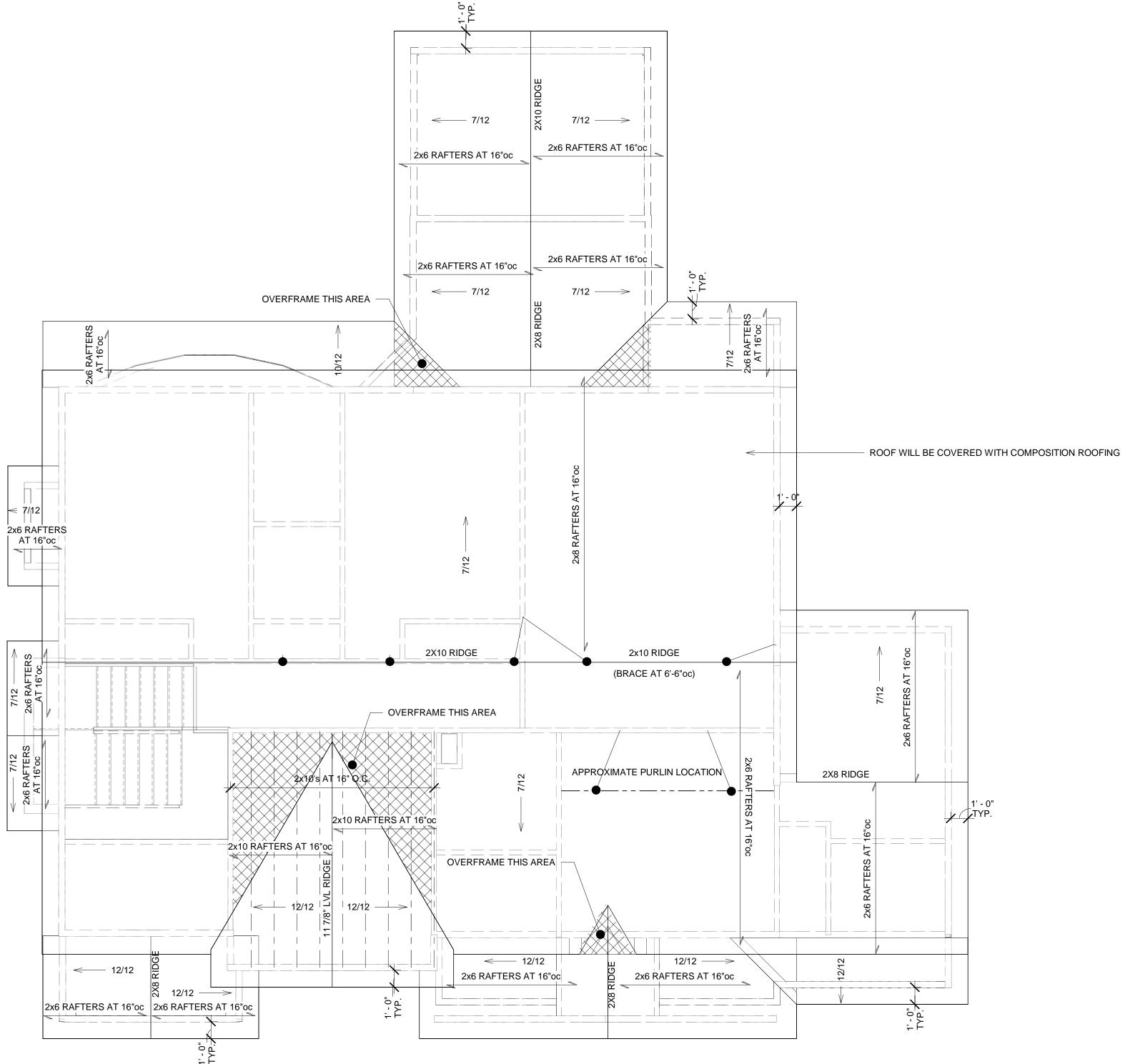
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SDCD SMOKE DETECTOR/CO COMBO



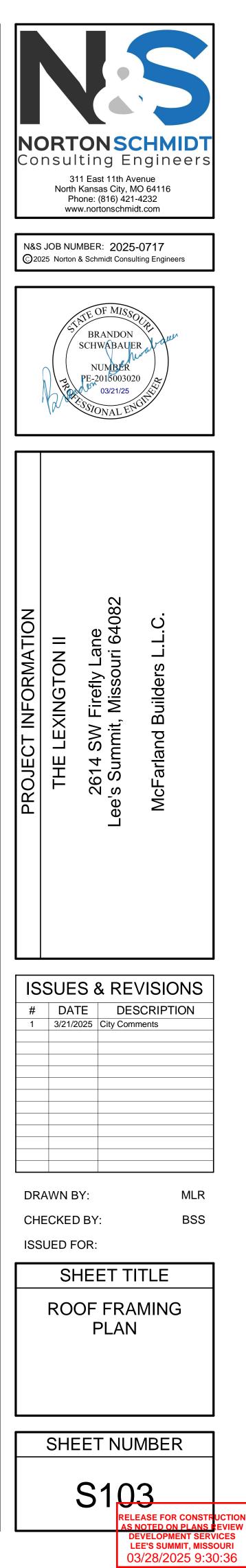




ROC	F FRAMING PLAN NOTES
	ES ARE TYPICAL UNLESS NOTE NUMBER IS INSIDE
	CIRCLE, THEN THE NOTE REFERS TO A SPECIFIC
1.	PROVIDE 1/2" EXTERIOR GRADE PLYWOOD SHEATHING NAILED TO ROOF RAFTERS WITH 8d
	NAILS AT 6"oc AT PANEL EDGES AND 12"oc AT
	NON-PANEL EDGES.
2.	PROVIDE ADDITIONAL DEPTH TO JOISTS AS
2.	REQUIRED 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.
3.	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.
4.	HIP AND VALLEY MEMBERS SHALL BE
	SUPPORTED AT THE RIDGE WITH A 2x6 T-BRACE
	TO A BEARING WALL BELOW.
5.	PROVIDE SOFFIT, RIDGE, AND GABLE END VENTS
	AS REQUIRED TO PROVIDE ADEQUATE
	VENTILATION FOR ROOF.
6.	PROVIDE PROPER FLASHING AND BUILDING
	PAPER 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
1.	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 NO. 2 AT 16"oc.
9.	PROVIDE PROPER CEILING INSULATION AS
	REQUIRED BY GOVERNING BUILDING CODE.

NOTE:

- RAFTERS TO BE 2x6 DF-L No. 2 AT 16" O.C.
- U.N.O.
- HIP, VALLEY, AND RIDGE MEMBERS SHALL BE (1)2x8 DF-L No. 2 U.N.O.
 REF. 12/S503 FOR PURLING BRACING



GENERAL NOTES

<u>G0</u>	VERNING BUILDING CODE: 2018 INTERNATIONAL
DE	SIGN LOADS:
•	ROOF DEAD LOAD: ROOF LIVE LOAD:
•	FLOOR DEAD LOAD: FLOOR LIVE LOAD:
•	BEDROOMS:ALL OTHER LIVING AREAS:
•	WIND LOADS:
•	SEISMIC LOADS: ASSUMED ALLOWABLE SOIL BEARING PRESSUF
GE	NERAL:
1.	FURNISH ALL LABOR, MATERIAL AND EQUIPMEN DRAWINGS.
2.	THE GENERAL CONTRACTOR SHALL BE RESPON
	PLANS AND FOR COORDINATING ALL DIMENSION OR DISCREPANCIES IN THE DIMENSIONS OCCU
3.	DISCREPANCIES TO THE ATTENTION OF THE EN THE CONTRACTOR SHALL PROVIDE ALL TEMPO
4.	ENSURE THE SAFETY OF ALL INDIVIDUALS INVO ALL MECHANICAL, ELECTRICAL, AND PLUMBING
5.	GOVERNING BUILDING CODE AND THE LOCAL M NORTON & SCHMIDT CONSULTING ENGINEERS,
5.	BRACING SYSTEM OF THESE PLANS FOR THE C
	PLANS. NORTON & SCHMIDT CONSULTING ENGI PORTION OF THE DESIGN, PLANS OR SPECIFICA
	WRITTEN CONSENT.
	ILDER'S PLANS: E TERM "BUILDER'S PLANS" REFERS TO A CERTAI
TH	ESE PLANS REQUIRE THAT THE CONTRACTOR PC
SC	OROUGH UNDERSTANDING OF THE INTERNATION HMIDT CONSULTING ENGINEERS, L.L.C., THAT HE
	CESSARY TO BUILD THIS PROJECT WITHOUT FUL NTRACTOR OR HOME OWNER HAS RESTRICTED 1
	CUMENTS PROVIDED BY THE LIMITED SERVICES NTRACTOR'S SOPHISTICATION. ALTHOUGH NORT
HA	VE PERFORMED THEIR SERVICES WITH DUE CAR DISCREPANCY DISCOVERED BY THE USE OF THE
CO	NSULTING ENGINEERS, L.L.C. CONSTRUCTION M
MA	E FIELD CONDITIONS ENCOUNTERED AND MAKE L DE FROM THE PLANS WITHOUT THE CONSENT OF
	S ALSO UNDERSTOOD THAT THE CONTRACTOR V CLUDING BUT NOT LIMITED TO MECHANICAL, ELEC
TH	ESE PLANS). IN THE EVENT ADDITIONAL DETAIL C NSTRUCTION OF ANY ASPECT OF THE PROJECT,
AR	CHITECT/ENGINEER SHALL IMMEDIATELY BE RET.
	ANS SHALL RELIEVE NORTON & SCHMIDT CONSUL NSEQUENCES.
AR	CHITECTURAL NOTES:
1.	WATER RESISTIVE EXTERIOR WALL COVERING, SHEATHING OF ALL EXTERIOR WALLS. WRAP S
0	SHALL BE IN COMPLIANCE WITH SECTION R703.
2. 3.	BUILDING SHALL COMPLY WITH SECTIONS 802.3 "UFER" GROUND SHALL BE PROVIDED PER IRC
4.	GUTTERS, DOWNSPOUTS, AND SPLASH BLOCKS MINIMUM FROM HOUSE BEFORE TOUCHING SO
ST	AIR NOTES:
<u>01.</u> 1.	MAXIMUM RISER AT STAIRWAYS IS 7 3/4" AND M
2.	R311.7. PLACE HANDRAILS ON ALL STAIRS AND/OR LEV
	36" HIGH AND HAVE INTERMEDIATE RAILS THAT COMPLY W/ IRC SEC. R312.
3.	ENCLOSE ACCESSIBLE SPACE BENEATH STAIR: LANDING PROTECTED WITH 1/2" GYPSUM BOAR
4.	STAIRWAYS CONSISTING OF 3 OR MORE RISERS 34" AND 38" ABOVE THE STAIR NOSINGS.
5.	HANDRAILS SHALL HAVE A CIRCULAR CROSS SI
6.	GRASPABLE SHAPER PER SECTION R311.7.8.3. SPIRAL STAIRS SHALL BE CONSTRUCTED PER S
EM	ERGENCY EGRESS NOTES:
1.	ALL SLEEPING ROOMS AND BASEMENT SHALL E PER IRC SEC R310. PROVIDE (1) WINDOW IN EA
2.	MINIMUM OPERABLE HEIGHT OF 24" AND WIDTH PROVIDE SMOKE ALARMS IN EACH SLEEPING R
۷.	THE BEDROOMS AND ON EACH ADDITIONAL FLC
	INTERCONNECTED IN SUCH A MANNER THAT TH WITH A BATTERY BACKUP, PER IRC SEC. R314 A
3.	CARBON MONOXIDE DETECTORS SHALL BE PRO
<u>WI</u> 1.	NDOWS AND SAFETY GLAZING NOTES: GLAZING IN HAZARDOUS LOCATIONS AS IDENTI
	MATERIALS: GLASS IN STORM DOORS; INDIVIDU NEAREST VERTICAL EDGE IS WITHIN A 24" ARCH
	WITHIN 60" OF THE FLOOR; WALLS ENCLOSING
	OR BOTTOM OF THE STAIR, ENCLOSURES FOR S PANELS EXCEEDING 9 SQ. FT. AND WHOSE BOT
2.	WITHIN 36". ALL WINDOWS SHALL MEET THE FALL PROTECT
GΑ	RAGE:
1.	GARAGE FLOORS SHALL SLOPE TOWARDS THE
2.	DOORS BETWEEN THE GARAGE AND THE DWEL DOOR OR A 20 MINUTE FIRE RATED DOOR WITH
3.	THE GARAGE SHALL BE SEPARATED FROM THE BOARD APPLIED TO THE GARAGE SIDE. WHERE
	SUPPORTING COLUMNS AND BEAMS SHALL ALS HABITABLE SPACE OCCURS ABOVE THE GARAG
4.	5/8" TYPE X GYPSUM BOARD ON THE GARAGE C GARAGE DOOR AND FRAME (H-FRAME) FOR THE
4.	THE FOLLOWING: 2X6 VERTICAL JAMBS RUNNIN
	STAGGERED WITH (7) 3 1/4"X0.102" NAILS THRU COUNTER BALANCE SYSTEM.
5. 6.	BUILDING SHALL COMPLY WITH THE REQUIREM GARAGE DOORS SHALL MEET THE REQUIREMEN
ST	RUCTURAL STEEL:
1.	ALL STRUCTURAL STEEL SHALL CONFORM TO T
	a. STRUCTURAL STEEL b. MISCELLANEOUS STEEL
	c. HOLLOW STRUCTURAL STEEL (HSS) d. STEEL PIPE
2.	ALL BEAM CONNECTIONS SHALL BE DESIGNED PROFESSIONAL ENGINEER UNLESS SPECIFIC C
	DESIGNED TO 50% U.D.L. OR THE REACTION PR SHALL BE WELDED OR BOLTED PER AISC STEEL
3.	ALL COLUMN ANCHOR BOLTS SHALL BE ASTM F
4.	WELDING SHALL CONFORM TO THE LATEST PUE SOCIETY. NO UNAUTHORIZED WELDS WILL BE
5. 6.	PROVIDE 30# FELT BOND BREAK AROUND ALL S ALL EXTERIOR STEEL EXPOSED TO THE ELEME
0. 7.	ALL STRUCTURAL STEEL SHALL HAVE ONE COA

TOUCHUP ALL UNPAINTED AREAS AND WELD AREAS.

	10 PSF
	20 PSF
	10 PSF
	30 PSF
	40 PSF
	VASD=90 MPH, EXPOSURE C
	SITE CLASS "B"
RE:	1500 PSF

PMENT NECESSARY TO COMPLETE THE WORK SHOWN OR INFERRED BY THESE SPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE ISIONS AND ELEVATIONS SHOWN WITH THE EXISTING CONDITIONS. IF ERRORS CCUR, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BRING ALL E ENGINEER BEFORE PROCEEDING WITH THE WORK.

MPORARY BRACING AND SHORING AS REQUIRED DURING CONSTRUCTION TO NVOI VED. BING ELEMENTS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE AL MUNICIPALITY. RS, L.L.C. HAS DESIGNED THE STRUCTURAL FLOOR FRAMING AND WALL

E CONSTRUCTION OF A RESIDENCE AT THE ADDRESS REFERENCED IN THE NGINEERS, L.L.C. WILL NOT TAKE RESPONSIBILITY FOR ANY RE-USE OF ANY IFICATIONS AT ANY OTHER PROPERTY OR ADDRESS WITHOUT OUR PRIOR

RTAIN LEVEL OF DEVELOPMENT OF THE DRAWINGS. AS THE NAME IMPLIES, OR POSSESSES COMPETENCE IN RESIDENTIAL CONSTRUCTION AND A FIONAL RESIDENTIAL CODE (IRC). THE CONTRACTOR WARRANTS TO NORTON & THE POSSESSES THE PARTICULAR COMPETENCE AND SKILL IN CONSTRUCTION FULL ENGINEERING AND DESIGN SERVICES, AND FOR THAT REASON THE TED THE SCOPE OF PROFESSIONAL SERVICES. THE CONSTRUCTION CES SHALL BE TERMED "BUILDER'S PLANS" IN RECOGNITION OF THE NORTON & SCHMIDT CONSULTING ENGINEERS, L.L.C. AND OUR CONSULTANTS CARE AND DILIGENCE, WE CANNOT GUARANTEE PERFECTION. ANY AMBIGUITY THESE PLANS SHALL BE REPORTED IMMEDIATELY TO NORTON & SCHMIDT IN MAY REQUIRE THAT THE CONTRACTOR ADAPT THE "BUILDER'S PLANS" TO KE LOGICAL ADJUSTMENTS IN FIT, FORM, DIMENSION AND QUANTITY. CHANGES T OF NORTON & SCHMIDT CONSULTING ENGINEERS, L.L.C. ARE UNAUTHORIZED. OR WILL BE RESPONSIBLE FOR MEETING ALL APPLICABLE BUILDING CODES ELECTRICAL. AND PLUMBING CODE REQUIREMENTS (WHICH IS EXCLUDED FROM

AIL OR GUIDANCE IS NEEDED BY THE CONTRACTOR OR HOMEOWNER FOR ECT. NORTON & SCHMIDT CONSULTING ENGINEERS, L.L.C. OR A QUALIFIED RETAINED. FAILURE TO NOTIFY US OF THESE NEEDS OR OF CHANGES TO THE NSULTING ENGINEERS, L.L.C. OF ALL RESPONSIBILITIES OF THE

ING, FREE FROM HOLES AND BREAKS, SHALL BE APPLIED TO STUDS OR AP SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND 802.3 AND 802.3.1 OF THE IRC FOR RAFTER AND CEILING JOIST CONNECTIONS. IRC SECTION 3608.1 OCKS SHALL BE PROVIDED TO INSURE ALL ROOF DRAINAGE IS DIRECTED 5 FEET

ND MINIMUM TREAD IS 10" WITH A MINIMUM 6'-8" HEADROOM, PER IRC SEC.

R LEVELS THAT EXCEED 30" ABOVE THE FLOOR OR GRADE. RAILINGS TO BE MIN. HAT DO NOT ALLOW THE PASSAGE OF A 4" DIAMETER SPHERE AND SHALL AIRS SHALL SHALL HAVE WALLS AND THE UNDERSIDE OF THE STAIR AND OARD ON ENCLOSURE SIDE PER SECTION R302.7. SERS SHALL HAVE A CONTINUOUS HANDRAIL ON AT LEAST ONE SIDE BETWEEN SS SECTION OF 1 1/4" MINIMUM TO 2" MAXIMUM OR OTHER APPROVED PER SECTION R311.7.10.11.

ALL BE PROVIDED WITH PROPER EMERGENCY ESCAPE AND RESCUE OPENINGS N EACH BEDROOM THAT HAS A MINIMUM OPERABLE AREA OF 5.7 SQ. FT. WITH A DTH OF 21". IG ROOM, OUTSIDE OF EACH SLEEPING AREA IN THE IMMEDIATE VICINITY OF . FLOOR, INCLUDING BASEMENTS AND STAIRWAYS. ALARMS SHALL BE T THE ACUATION OF ONE ALARM ACTIVATES ALL OTHERS AND BE HARD WIRED 314 AND NFPA 72. PROVIDED PER R315.

ENTIFIED IN IRC SECTION R308.4 SHALL BE OF APPROVED SAFETY GLAZING VIDUAL FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE ARCH OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS ING STAIRWAYS AND LANDINGS WHERE THE GLAZING IS WITHIN 60" OF THE TOP FOR SPAS. TUBS. SHOWERS AND WHIRLPOOLS; GLAZING IN FIXED OR OPERABLE BOTTOM EDGE IS LESS THAN 18" ABOVE THE FLOOR OR WALKING SURFACE TECTION REQUIREMENTS OF SECTION R312.2.

THE GARAGE DOORWAYS. WELLING SHALL BE A MINIMUM 1 3/8" SOLID CORE OR HONEY COMBED STEEL VITH A SELF-CLOSING AND SELF-LATCHING DEVICE. THE DWELLING AND ITS UNFINISHED ATTIC AREAS BY A MINIMUM 1/2" GYPSUM HERE UNFINISHED ATTIC AREAS ARE PROVIDED ABOVE THE GARAGE. THE ALSO BE PROTECTED WITH 1/2"GYPSUM BOARD OR EQUIVALENT. WHERE ARAGE THE FLOOR/CEILING ASSEMBLY SHALL BE PROTECTED WITH A MINIMUM GE CEILING, SHALL COMPLY WITH IRC SEC, R309. THE ATTACHMENT OF THE TRACK AND COUNTER BALANCE SHALL CONSIST OF NNING FROM THE FLOOR TO CEILING ATTACHED WITH 1 3/4"X0.12" NAILS @ 7"OC HRU THE JAMB INTO THE HEADER, MINIMUM 2X8 HEADER FOR ATTACHMENT FOR REMENTS FOR A SELF CLOSING DOOR BETWEEN RESIDENCE AND GARAGE.

EMENTS OF DASMA 90 MPH. I TO THE FOLLOWING: ASTM A992, FY = 50 KSI ASTM A36

ASTM A500, GRADE B ASTM A53, GRADE B (SCHED 40 MIN)

NED BY THE STEEL FABRICATOR UNDER THE DIRECTION OF A REGISTERED FIC CONNECTIONS ARE SHOWN ON THE DRAWINGS. CONNECTIONS SHALL BE PROVIDED ON THE DRAWINGS, WHICH EVER IS GREATER, CONNECTIONS STEEL CONSTRUCTION MANUAL 13TH EDITION. BOLTS SHALL BE ASTM A325N. TM F1554 GRADE 36 PUBLICATION OF APPLICABLE CODES SET FORTH BY THE AMERICAN WELDING

BE ACCEPTED. ALL STEEL COLUMNS WHERE IN CONTACT WITH SLAB-ON-GRADE. EMENTS SHALL BE HOT DIPPED GALVANIZED UNLESS NOTED OTHERWISE. 7. 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 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 FOLLOWED
- 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
- MANUFACTURER SPECS. 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. ALL NAILING NOT INDICATED ON THE DRAWINGS SHALL CONFORM TO THE NAILING SCHEDULE OF THE GOVERNING BUILDING CODE. SPACING, END DISTANCES AND EDGE DISTANCES OF NAILS AND SPIKES SHALL BE SUCH AS TO AVOID
- THE UNUSUAL SPLITTING OF THE WOOD. 8. 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. 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 OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS.
- 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. 11. WOOD STRUCTURAL PANELS SHALL BE SET WITH FACE GRAIN PERPENDICULAR TO SUPPORTING MEMBERS AND STAGGER END JOINTS 4'-0".
- 12. 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
- TREATED. 14. 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 "TEF" 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): a. 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" 17. 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
- FRAMING MEMBER, U.N.O. 21. 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
- RECOMMENDATIONS 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.
- 24. 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 27 CONJUNCTION WITH ALL RECOMMENDATIONS OF THE MANUFACTURER. 28. WOOD TRUSSES <u>SHALL NOT</u> BE FIELD CUT.

ENERGY REQUIREMENTS:

- THE BUILDING THERMAL ENVELOPE SHALL BE SEALED WITH AN AIR BARRIER PER IRC SEC N1102. LIGHTING FIXTURES PENETRATING THE THERMAL ENVELOPE SHALL BE 9C-RATED, LEAKAGE RATED AND SEALED TO THE GYPSUM WALLBOARD AS REQUIRED PER N1102.4.4.
- 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
- BUILDING CAVITIES USED AS RETURN AIR PLENUMS SHALL BE SEALED TO PREVENT LEAKAGE ACROSS THE THERMAL ENVELOPE AS REQUIRED PER N1103.2.3.
- 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 N1103.4.
- ALL EXHAUST FANS SHALL TERMINATE TO THE BUILDING EXTERIOR AS REQUIRED PER M1507.2. MAKEUP AIR SYSTEMS SHALL BE INSTALLED FOR KITCHEN EXHAUST HOODS THAT EXCEED 400 CFM AS REQUIRED PER M1503.4
- 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.

INSULATION AND FENESTRATION REQUIREMENTS - IRC TABLE N1102.1.1:

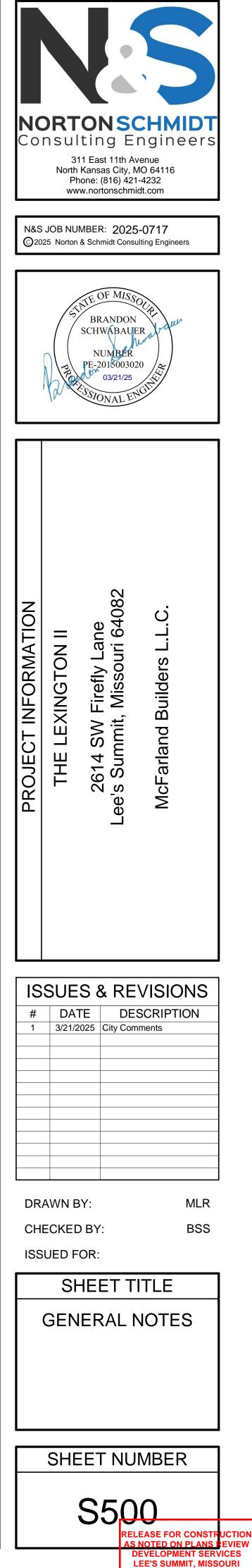
U<=0.35	(b)
U<=0.55	(b)
R-49	
R-38	
R-13	
R-8/R-13	(i)
R-19	
R-30	
R-8	
R-10/R-13	3 (c)
R-10/2ft	(d)
R-10/R-13	3 (c)
R-19	. ,
	U<=0.55 R-49 R-38 R-13 R-8/R-13 R-19 R-30 R-8 R-10/R-13 R-10/2ft R-10/R-13

- a. R VALUES ARE MINIMUMS. U FACTORS 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-VALYUE SPECIFIED IN THE TABLE. THE FENESTRATION U - FACTOR EXCLUDES SKYLIGHTS.
- THE FIRST R VALUE APPLIES TO CONTINUOUS INSULATION, THE SECOND TO FRAMING CAVITY INSULATION; EITHER INSULATION MEETS THE REQUIREMENT.
- R 5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R VALUES FOR HEATED SLABS. INSULATION DEPTH SHALL BE THE DEPTH OF THE FOOTING OR 2 FEET WHICHEVER IS LESS IN ZONES 1 THROUGH 3 FOR HEATED SLABS. 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
- 1101.10. OR INSULATION SUFFICIENT TO FILL THE CAVITY. R - 19 MINIMUM.
- FIRST VALUE IS CAVITY INSULATION, SECOND IS CONTINUOUS INSULATION OR INSULATED SIDING, SO "13+5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION OR INSULATED SIDING. IF STRUCTURAL SHEATHING COVERS 40 PERCENT OR LESS OF THE EXTERIOR, CONTINUOUS INSULATION R-VALUE SHALL BE PERMITTED TO BE REDUCED BY NO MORE THAN R-3 IN THE LOCATIONS WHERE STRUCTURAL SHEATHING IS USED - TO MAINTAIN A CONSISTENT TOTAL SHEATHING THICKNESS.
- THE SECOND R-VALUE APPLIES WHEN MORE THAN HALF OF THE INSULATION IS ON THE INTERIOR OF THE MASS WALL.

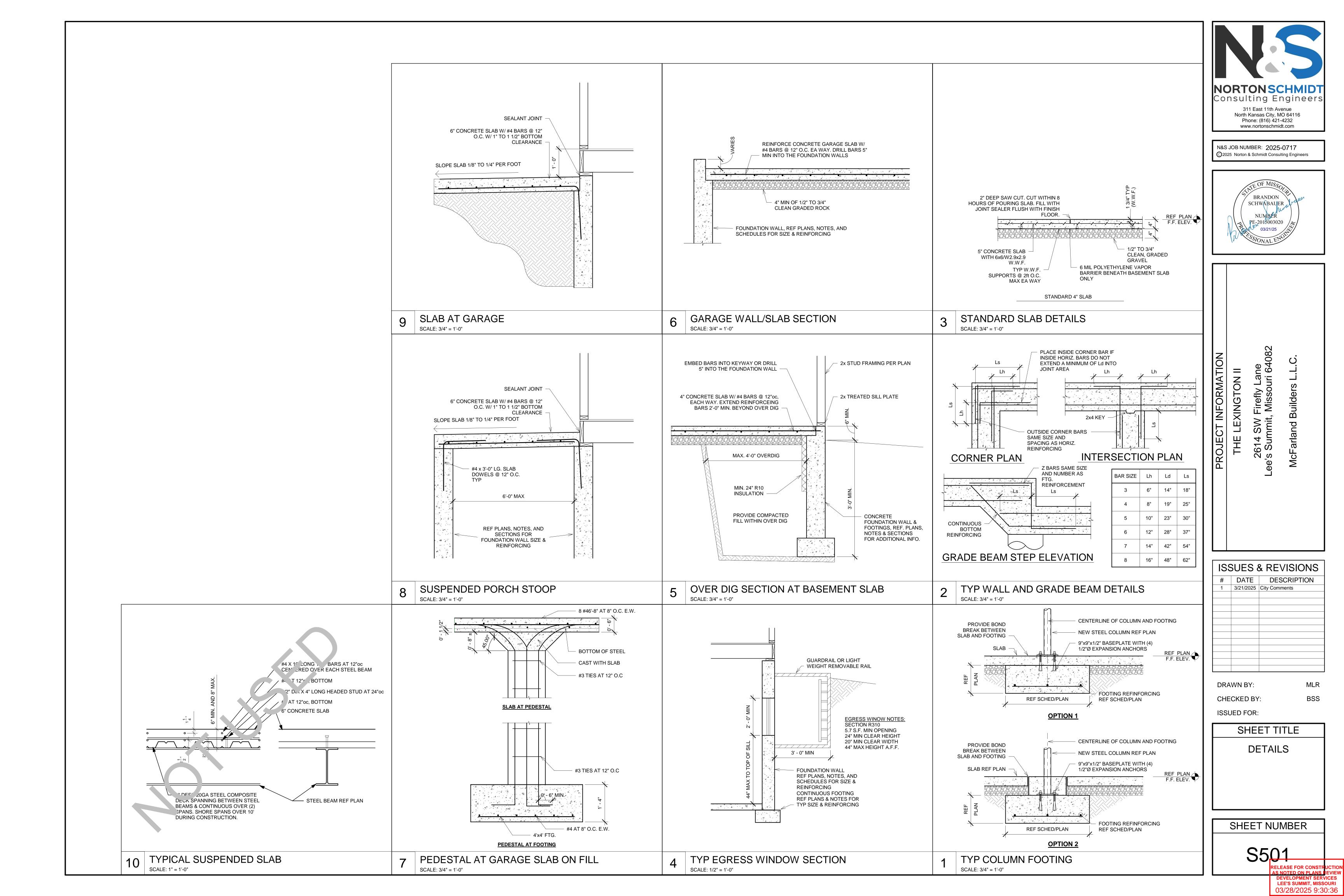
ABBREVIATIONS LEGEND

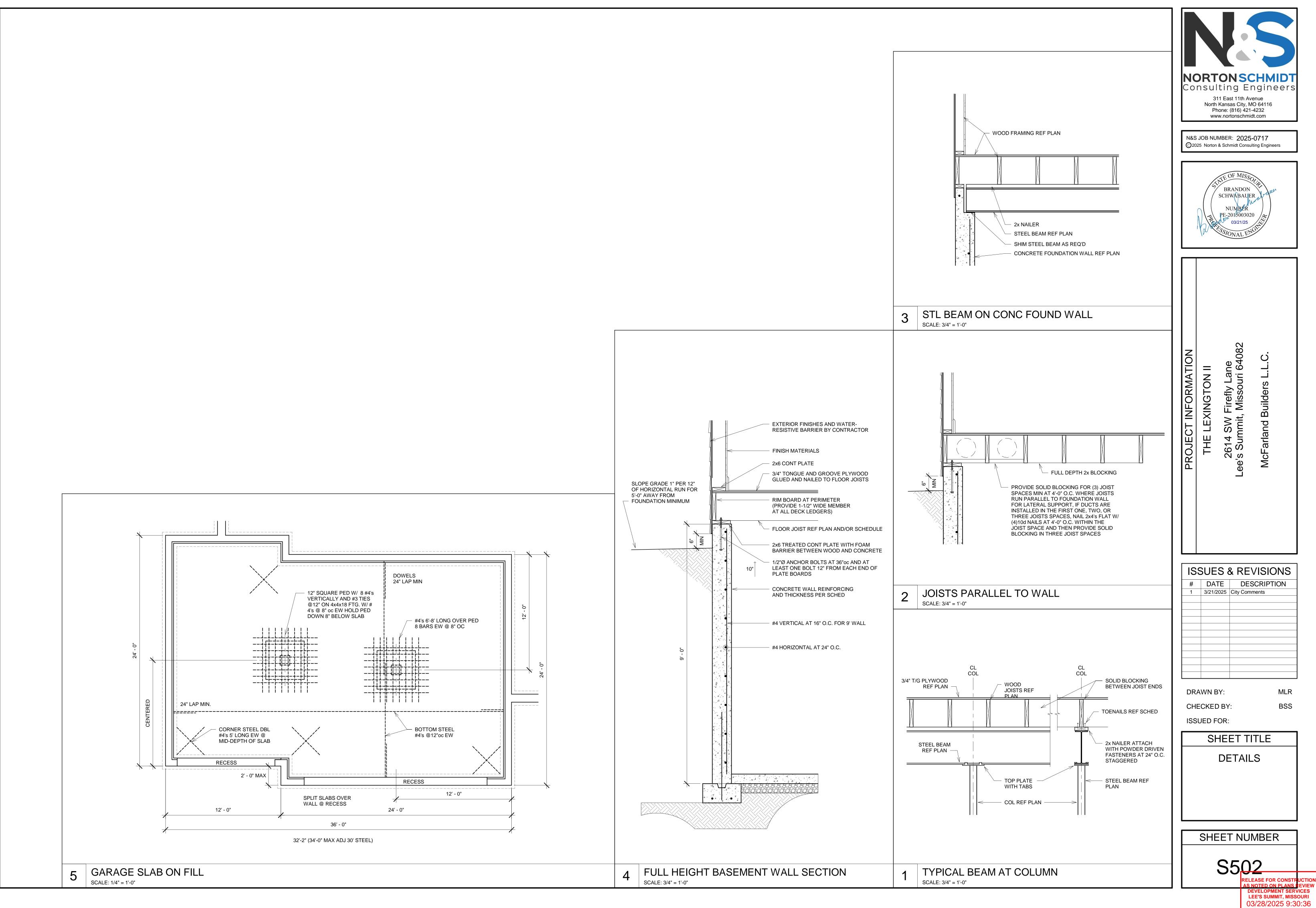
SYMBOLS LEGEND

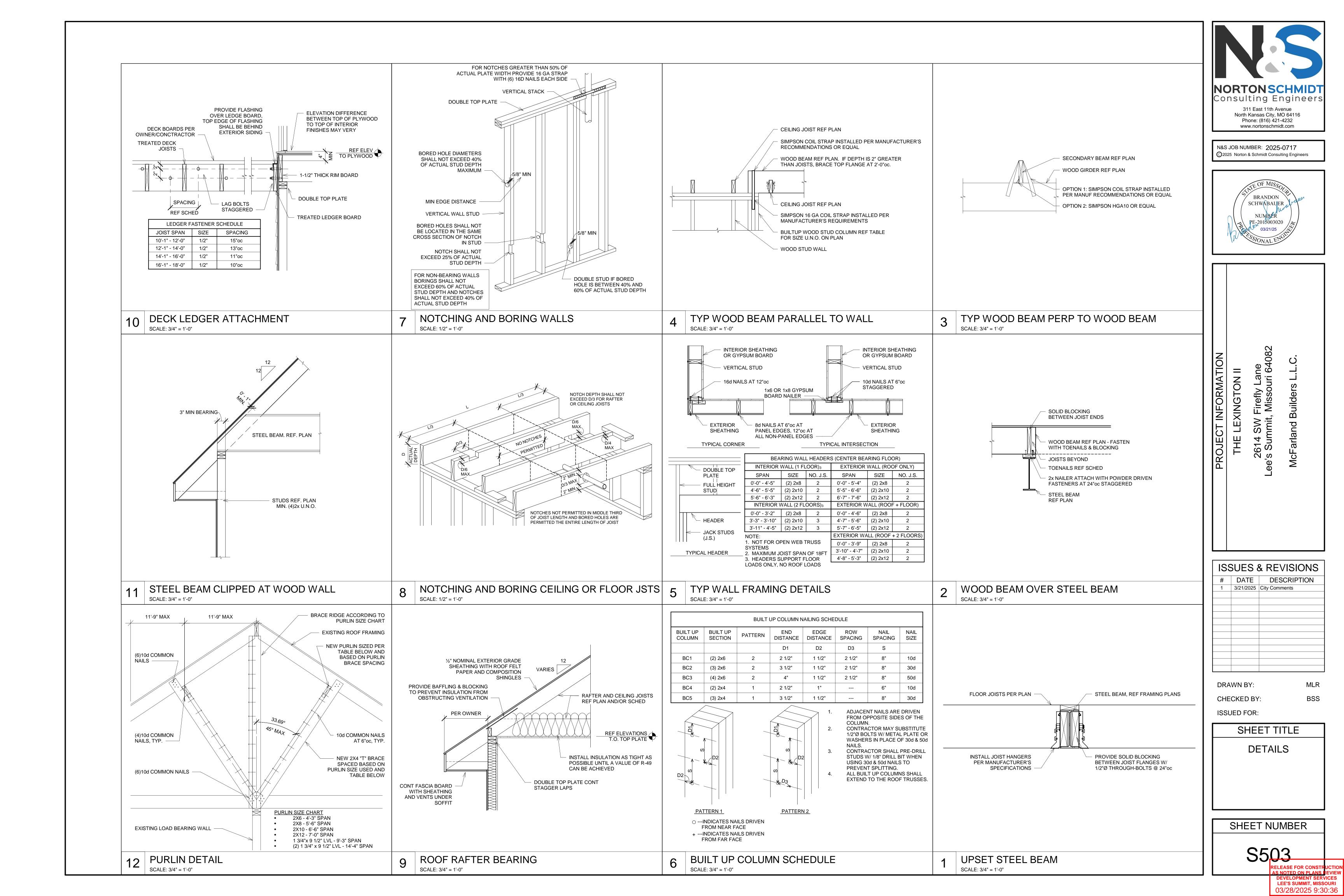
	ELEVATION DESIGNATIO N		REVISION DESIGNATION	
	CUT SYMBOL	(22)	PLAN NOTE SYMBOL	
TYPE NO/SHEET	SECTION CUT	1	SLAB JOINT DESIGNATION	
TYPE NO/SHEET	ELEVATION DETAIL	↔ 100'-0"	SPOT ELEVATION	
	BLOWUP DETAIL		CONCRETE WALL	= - (
WSP	WOOD STRUCTURAL PANEL		WOOD NON-LOAD BEARING STUD WALL	
ABW	ALTERNATE BRACED WALL PANEL	(XXXXXXXX)	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			



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					GF	ROUNI	D SNO	W LO	AD (PS	SF)				GRADE			
			3	30				50	,		70				SI		
			ROOF SPAN (FEET)									#2 DF/L					
RAFTER	RAFTER	12	20	28	36	12	20	28	36	12	20	28	36	#2 DF/L			
SLOPE	SPACING	RE	EQUIRE	D NUMB	ER OF 1	6d COM		ILS(a,b)	PER HE	EL JOIN	IT SPLIC	ES (c,d,	e,f)	#0 DE#			
3:12	12 16	4 5	6 8	8 11	11 14	56	8 11	12 15	15 20	6 8	11 14	15 20	20 26	#2 DF/L #2 DF/L			
4:12	24 12 16 24	7 3 4 5	11 5 6 9	16 6 8 12	21 8 11 16	9 4 5 7	16 6 8 12	23 9 12 17	30 11 15 22	12 5 6 9	21 8 11 16	30 12 15 23	39 15 20 29	SPANS AB RAFTERS.			
5:12	12 16 24	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	THE ROOF SPAN LES 200 LBS. A	S TH		
7:12	12 16 24	3 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 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 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		ũ		
IAILING REQUI IEEL JOINT CO RIDGE BEAM. VHEN INTERM VALL, THE TAE ROPORTIONA QUIVALENT N VHEN RAFTER TAKEN AS THE	24 SHALL BE PERM IREMENTS SHAL DNNECTIONS AR EDIATE SUPPOR BULATED HEEL J ALLY TO THE REE IAILING PATTERM TIES ARE SUBS TABULATED HE	AITTED L BE PE E NOT I OINT CO DUCTIO NS ARE TITUTE EL JOIN	TO BE S ERMITTE REQUIR HE RAFT ONNECT N IN SP/ REQUIR D FOR (IT CONN	UBSTITI ED TO BI ED WHE FER IS P FION RE AN. RED FOF CEILING IECTION	UTED FO E REDUC EN THE F ROVIDE QUIREM CEILING JOISTS, I REQUI	DR 16D (CED 25% RIDGE IS D BY VE IENTS S G JOIST THE HE REMENT	COMMO 6 IF NAIL 5 SUPPC ERTICAL HALL BE TO CEI EL JOIN F FOR T	N NAILS S ARE (DRTED E STRUT E PERMI LING JO IT CONN WO-THII	CLINCHE BY A LOA S OR PL TTED TO IST LAP NECTION RDS OF	ED. AD-BEAF JRLINS T D BE RE SPLICE N REQUI THE AC	RING WA FO A LOA DUCED S. REMEN TUAL RA	LL, HEA AD-BEAI T SHALL	DER, OR RING				

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:

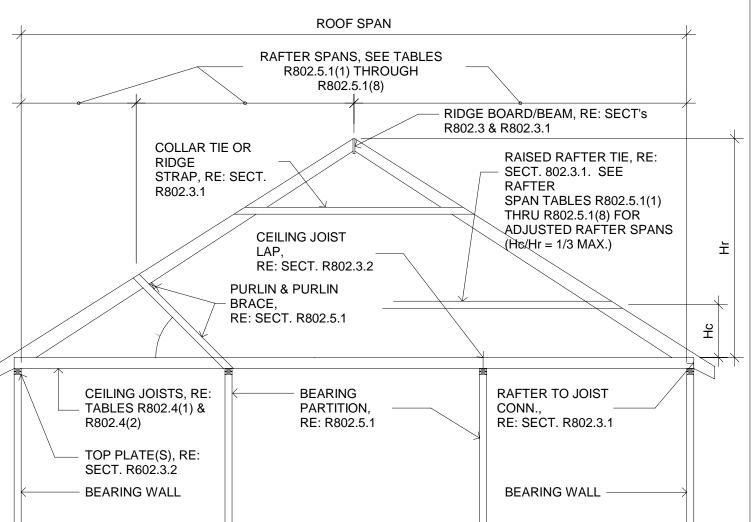
Hc/Hr	HEEL JOINT CONNECTION ADJUSTMENT FACTOR	
1/3	1.5	
1/4	1.33	
1/5	1.25	
1/6	1.2	
1/10 OR LESS	1.11	

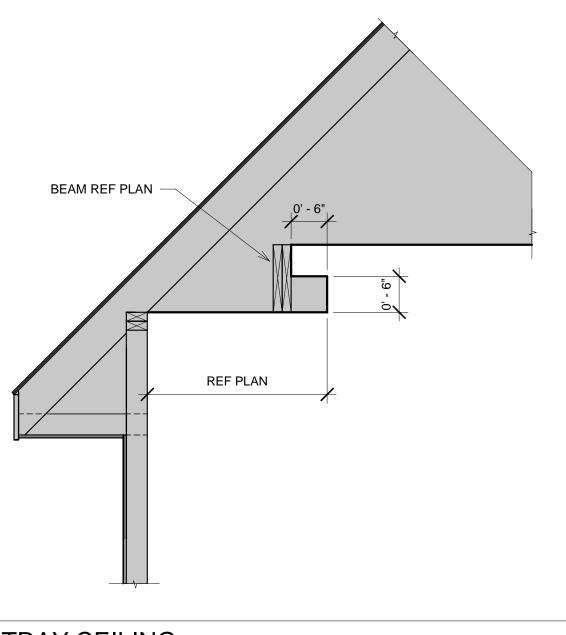
WHERE:

Hc= HEIGHT OF CEILING JOISTS OR RAFTER TIES MEASURED VERTICALLY ABOVE THE TOP OF THE RAFTER SUPPORT WALLS.

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

MEMBER SIZE / SPACING 2x6 / 16"oc 2x8 / 16"oc 2x10 / 16"oc 2x12 / 16"oc





3 SCALE: 3/4" = 1'-0"

ROOF RAFTER SCHEDULE

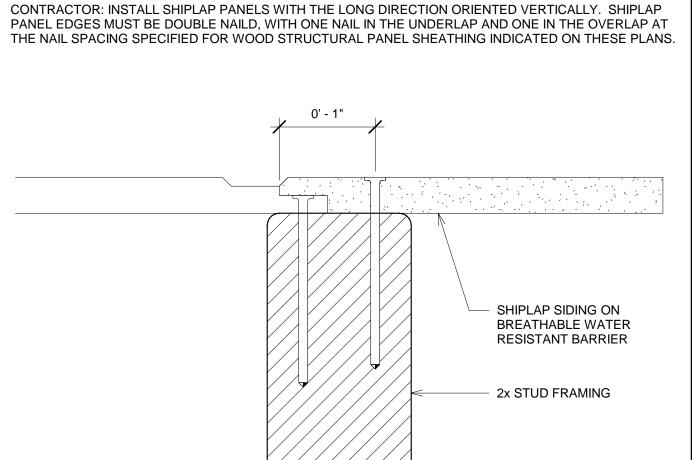
MAX SPAN CEILING JSTS AT TOP PLATE	MAX SPAN H(H _R 0.16	MAX SPAN HtH _R 0.20	MAX SPAN H(H _R 0.25	MAX SPAN HtH _R 0.33
14'-1"	12'-8"	11'-8"	10'-8"	9'-5"
18'-2"	16'-4"	15'-1"	13'-9"	12'-2"
22'-3"	20'-0"	18'-5"	16'-10"	14'-10"
25'-9"	23'-2"	21'-4"	19'-7"	17'-3"

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

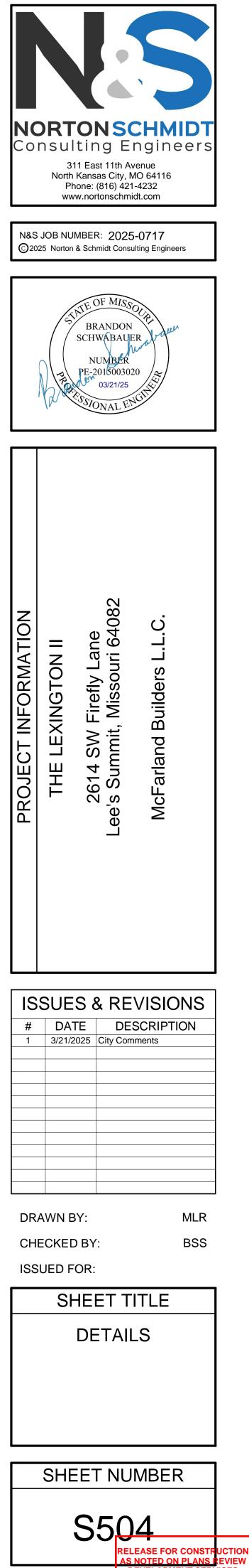
RAMING ON THIS HOME UTILIZES RAFTERS SPACED AT 16" ON CENTER IN EXPOSURE B WITH A ROOF HAN 42' ON IN 90 MPH WIND ZONE. THEREFORE THE UPLIFT FORCE ON THE RAFTER IS LESS THAN CAN BE CONNECTED PER TO THE WALL FRAMING PER TABLE 602.3(1) (ON SHEET 6.0).

NAILING SCHEDULE	IBC 2018 TABLE R6	02.3(1)
Description of Building Elements	Number & Type of Fastener (a,b,c)	Spacing of Fasteners
R	oof	
Blocking between joists or rafters to top plate, toe nail	3 - 8d (2½" x 0.113")	
Ceiling joists to plate, toe nail	3 - 8d (2½" x 0.113")	
Ceiling joist not attached to parallel rafter, laps over partitions, face nail	3 - 10d (3" x 0.128")	
Collar tie to rafter, face nail, or $1 \frac{1}{4}$ " x 20 gage ridge strap	3 - 10d (3" x 0.128")	
Rafter or roof truss to plate, toe nail	3 - 16d box nails (3½" x 0.135") or 3 - 10d common nails (3" x 0.148")	2 toe nails on one side and 1 toe nail on opposite side of each rafter or truss (
Roof rafters to ridge, valley or hip rafters:		
toe nail face nail	4 - 16d (3½" x 0.135") 3 - 16d (3½" x 0.135")	
W	all	
Built-up studs	10d (3" x 0.128")	24" o.c.
Abutting studs at intersecting wall corners, face nail	16d (3 1/2" x 0.135")	12" o.c.
Built up header, two pieces with ${}^{1\!\!}_{2}{}^{"}$ spacer	16d (3½" x 0.135")	16" o.c. along ea. edge
Continued header, two pieces	16d (3½" x 0.135")	16" o.c. along ea. edge
Continuous header to stud, toe nail	4 - 8d (2½" x 0.113")	
Double studs, face nail	10d (3" x 0.128")	24" o.c.
Double top plates, face nail	10d (3" x 0.128")	24" o.c.
Double top plates, minimum 24" offset of end joints, face nail in lapped area	8 - 16d (3½" x 0.135")	
Sole plate to joist or blocking, face nail	16d (3½" x 0.135")	16" o.c.
Sole plate to joist or blocking at braced wall panels	3 - 16d (3½" x 0.135")	16" o.c.
Stud to sole plate, toe nail	3 - 8d (2½" x 0.113") or 2 - 16d (3½" x 0.135")	
Top or sole plate to stud, end nail	2 - 16d (3½" x 0.135")	
Top plates, laps at corners and intersections, face nail	2 - 10d (3" x 0.128")	
1" brace to each stud and plate, face nail	2 - 8d (2½" x 0.113") 2 staples, 1¾"	
1" x 6" sheathing to each bearing, face nail	2 - 8d (2½" x 0.113") 2 staples, 1¾"	
1" x 8" sheathing to each bearing, face nail	2 - 8d (2½" x 0.113") 3 staples, 1¾"	
Wider than 1" x 8" sheathing to each bearing, face nail	3 - 8d (2½" x 0.113") 4 staples, 1¾"	
	bor	
Joist to sill or girder, toe nail	3 - 8d (2½" x 0.113")	
Rim joist to top plate, toe nail (roof		

Joist to sill or girder, toe hall	$3 - 80 (2\frac{1}{2} \times 0.113)$	
Rim joist to top plate, toe nail (roof applications also)	8d (2½" x 0.113")	6" o.c.
Rim joist or blocking to sill plate, toe nail	8d (2½" x 0.113")	6" o.c.
1" X 6" subfloor or less to each joist, face nail	2 - 8d (2½" x 0.113") 2 staples, 1¾"	
2" subfloor to joist or girder, blind & face nail	2 - 16d (3½" x 0.135")	
2" planks (plan & beam - floor & roof)	2 - 16d (3½" x 0.135")	At each bearing
(Conti	inued)	



Ledger strip supporting Description of Building Materials Wood Structura 3_8 " - $\frac{1}{2}$ " 1_{3_2} " - 1" 1_{3_8} " - 1_{4} " $\frac{1}{3_8}$ " - 1_{4} "	ams, 2-inch lumber layers joists or rafters Description of Faste al Panels, subfloor, roof and w	wall sheathing to fram all to framing I (subfloor, wall)(i)) 32" o.c stagge ends a 5") At eau Spacing Edges (i)	. layer as follows: c. at top & bott. & red. Two nails at and at ea. splice ch joist or rafter of Fasteners Intermediate Supports (c,e)
Description of Building Materials Wood Structura 3_8 " - 1_2 " 1_{3_2} " - 1" 1_{3_2} " - 1" 1_{3_8} " - 1_4 " 1_{3_8} " - 1_4 " 1_{3_8} " - 1_4 " 1_{3_8} " - 1_4 " 1_{3_8} " - 1_4 "	Description of Faste al Panels, subfloor, roof and w sheathing 6d common (2"x0.113") nai 8d common (2½" x 0.131 8d common (2½" x 0.1	ener (b,c,e) wall sheathing to fram rall to framing I (subfloor, wall)(i)	5") At ear Spacing Edges (i)	ch joist or rafter of Fasteners Intermediate
Wood Structura 3_8 " - 1_2 " 1_{3_2} " - 1" 1_{3_3} " - 1 1_4 " 1_{3_8} " - 1 1_4 " 1_{3_8} " - 1 1_4 " 2_{3_2} " structural cellulosic fiberboard sheathing 2_{3_2} " structural cellulosic fiberboard sheathing	al Panels, subfloor, roof and w sheathing 6d common (2"x0.113") nai 8d common (2½" x 0.131 8d common (2½" x 0.1 10d common (3" x 0	wall sheathing to fram all to framing I (subfloor, wall)(i)	Edges (i)	Intermediate
	al Panels, subfloor, roof and w sheathing 6d common (2"x0.113") nai 8d common (2½" x 0.131 8d common (2½" x 0.1 10d common (3" x 0	wall sheathing to fram all to framing I (subfloor, wall)(i)		
3_8 " - 1_2 " 1_{3_2} " - 1" 1_{3_3} " - 1 1_4 " 1_{3_8} " - 1 1_4 " 2_{3_2} " structural cellulosic fiberboard sheathing 2_{3_2} " structural cellulosic fiberboard sheathing	w sheathing 6d common (2"x0.113") nai 8d common (2½" x 0.131 8d common (2½" x 0.1 10d common (3" x 0	all to framing I (subfloor, wall)(i)	ing, and partic	
19_{32}^{*} - 1" 11_8^{*} - 11_4^{*} 1_8^{*} - 11_8^{*} 1_8^{*}	8d common (2½" x 0.131 8d common (2½" x 0.1 10d common (3" x 0			
11_8 " - 11_4 " 1_2 " structural cellulosic fiberboard sheathing 23_2 " structural cellulosic fiberboard sheathing	10d common (3" x 0		6"	12" (g)
¹ / ₂ " structural cellulosic fiberboard sheathing ² / ₃₂ " structural cellulosic fiberboard sheathing			6"	12" (g)
\tilde{b}_{2} structural cellulosic fiberboard sheathing		formed nail	6"	12"
\tilde{b}_{2} structural cellulosic fiberboard sheathing	11/2 " galvanized roofing na	sheathing (h) ail 8d common		
cellulosic fiberboard sheathing	(2 ¹ / ₂ " x 0.131") nail; staple		3"	6"
" avpsum sheathing	$1^{3/4}$ " galvanized roofing (2 ¹ / ₂ " x 0.131") nail; staple		3"½	6"
(d)	1 ¹ / ₂ " galvanized roofing galvanized, 1 ¹ / ₂ " long; 1 Type W or	¼" screws,	7"	7"
\overline{p}_8 " gypsum sheathing	1 ³ ₄ " galvanized roofing galvanized, f ₈ " long; 1 ³	g nail; staple	7"	7"
(d) Wood 9	Type W or	Ś		
Wood : 34" or less	structural panels, combinatio	120") nail or	ent to framing 6"	12"
	8d common (2½" x 0 8d common (2½" x 0.2	131") nail or		
7 ₈ " - 1"	8d deformed (2½" x 0 10d common (3" x 0.2	.120") nail	6"	12"
1 ½" - 1¼"	8d deformed $(2\frac{1}{2})$ x 0		6"	12"
walls; and 4 inches Gypsum sheathing 253. Fiberboard sh Spacing of fasteners or members and requi sheathing panel edg blocking. Blocking need not be provide supported by framin Where a rafter is faster two toe nails on one	nches on center for minimum on center to gable end wall f g shall conform to ASTM C 1 eathing shall conform to AST n floor sheathing panel edges red blocking and at all floor p ges applies to panel edges s of roof or floor sheathing par ed except as required by othe ng members or solid blocking ned to an adjacent parallel ce e side of the rafter and toe na The toe nail on the opposite	framing. 1396 and shall be insta TM C 208. s applies to panel edg perimeters only. Space supported by framing r nel edges perpendicul er provisions of this co g. eiling joist in accordan ails from the ceiling joi	alled in accord les supported sing of fastene nembers and ar to the framin ode. Floor per ce with this so st to top plate	dance with GA by framing ers on roof required ng members rimeter shall be chedule, provide in accordance
		DOUBLE		



DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 03/28/2025 9:30:36

