

8'-0" FOUNDATION WALL EXCEPT AT STEP DOWNS

NOT TO EXCEED 4'-0" AT UNRESTRAINED WALLS

ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATION RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS

GARAGE DOORS SHALL MEET DASMA OR ULTIMATE DESIGN

IN BEARING WALLS, STUDS WHICH ARE NOT MORE THAN TEN FEET IN LENGTH SHALL BE SAPCED NOT MORE THAN IS

SPECIFIED BY IRC TABLE R602.3(5) FOR CORRESPONDING STUD

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

SHIPLAP SIDING MUST BE FASTENED AT BOTH UNDERLAP AND

EVERSTEAD HAS PRODUCED THIS PLAN SET FOR THE CLIENT LISTED IN ACCORDANCE WITH THE 2018 INTERNATIONAL RESIDENTIAL CODE FOR THE

OTHER THAN THE LISTED ADDRESS IS PROHIBITED WITHOUT WRITTEN

INSPECTIONS OF THE BEARING SOIL, FOOTINGS, PIERS, FOUNDATIONS,

STRUCTURAL / SUSPENDED SLABS, RETAINING WALLS, BACKFILL AND REINFORCEMENT, LUMBER FRAMED CONTRACTIBILITY ISSUES, AND

STRUCTURAL ITEMS IDENTIFIED BY THE LOCAL CODE INSPECTOR.

PROJECT SHALL ABSOLVE EVERSTEAD OF ALL RESPONSIBILITY.

PROJECT AT THE ADDRESS LISTED ON THE PLANS. USE OF ANY PART OF THIS PLAN SET TO DEMOLISH, CONSTRUCT OR BUILD IN ANY MANNER ON PROPERTY

ALL THIRD PARTY INSPECTIONS MUST BE PERFORMED BY THE ENGINEER OF RECORD (EOR). THIRD PARTY INSPECTION INCLUDE BUT ARE NOT LIMITED TO

EVERSTEAD MUST BE NOTIFIED OF ANY AND ALL POTENTIAL DISPUTES, CLAIMS, ARBITRATION AND/OR LITIGATION THAT THE OWNER MAY PURSUE AGAINST THE

CONTRACTOR AND/OR BUILDER. FAILURE TO NOTIFY EVERSTEAD AND ALLOW

THE EOR TO PROVIDE THEIR OPINION ON ANY DISPUTE, CLAIM, ARBITRATION AND/OR LITIGATION PERTAINING TO ANY STRUCTURAL ASPECT OF THE

WATER-RESISTIVE EXTERIOR WALL BARRIER IN WALL SECTION

WALL FRAMING SHALL BE DOUGLAS FIR LARCH #2 UNLESS

WIND SPEED OF 115 MPH REQUIREMENTS.

FIR LARCH (2) 2 X 10 ON LOAD BEARING WALLS.

SHALL COMPLY WITH IRC R703.2.

TO BE LOCATED IN THE FIELD

ALL FOOTING TO BE BELOW FROST LINE (3'-0") AS REQUIRED PER SITE

WHERE APPLICABLE.

OTHERWISE NOTED.

CONSENT FROM EVERSTEAD.

STRUCTURAL NOTES:

ELEVATIONS:

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

REAR ELEVATION

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

BRACKET DETAIL 3.57

TRANSITIONAL 1

TYPE	NAME	SQ FT
	MAIN FLOOR	970
FINISHED	UPPER LEVEL	1281
		2251
	FRONT PORCH	66
	GARAGE	699
UNFINISHED	LOWER LEVEL - UNFINISHED	826
	PATIO	120
		1711
		3961

GENERAL NOTES - ELEVATIONS

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.

REFERENCE KEYNOTES

01 - FOUNDATION

01.12 - TOP OF FOOTING DEPTH DETERMINED PER SITE.

CONCRETE WINDOW WELL FOR EGRESS WITH LADDER. PROVIDE SLEEVE THROUGH WALL FOR FOUNDATION DRAIN. TOP OF WINDOW WELL TO BE 3" BELOW TOP OF FOUNDATION.

02 - TRIM

DOUBLED 1X8" LP SMART TRIM. UNLESS NOTED OTHERWISE ON ELEVATION.

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.

03.15 - LP SMART BOARD AND BATTEN.

MANUFACTURED STONE VENEER

03.18 - CAST STONE CAP

6X6 CEDAR POST. 1X6 TRIM AT BASE 1X4 TRIM AT TOP.

26"X6" CEDAR BRACKET

1X6 LP SMART TRIM CAULKED AND SEALED WITH 1X6 CEDAR INSTALLED ON TOP.

MINIMUM ROOFING COMPOSITION -30 YR COMPOSITE SHINGLES ON 15# FELT ON 7/16" OSB SHEATHING OR AS REQUIRED BY CODE.

07 - MISCELLANEOUS & PLAN NOTES

07.67 - BACK WALL OF GARAGE.

PROFESSIONAL SEAL

CPG DBA

A CLAYTON COMPANY

120 SE 30TH ST.

LEE'S SUMMIT, MO 64082

816-246-6700

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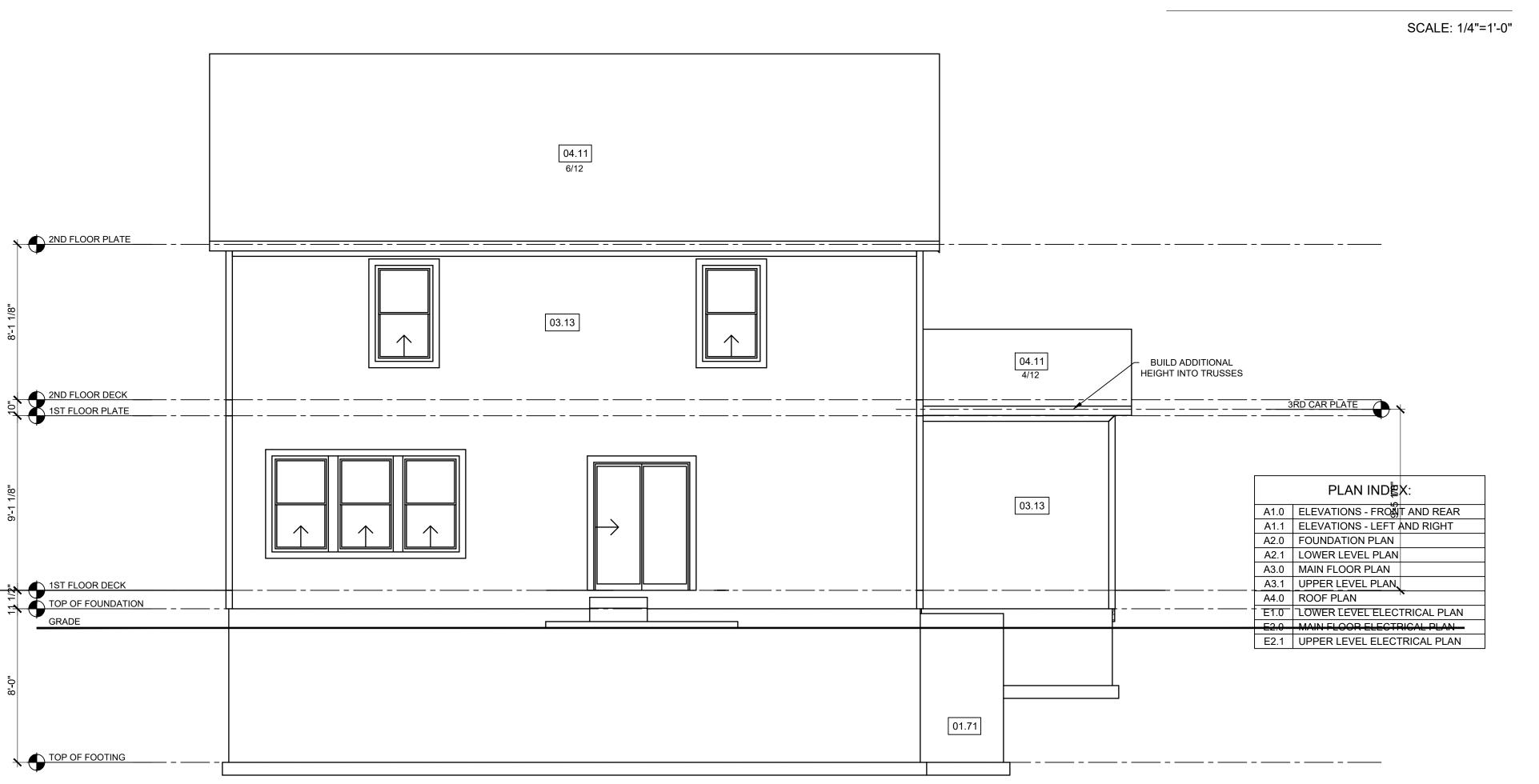
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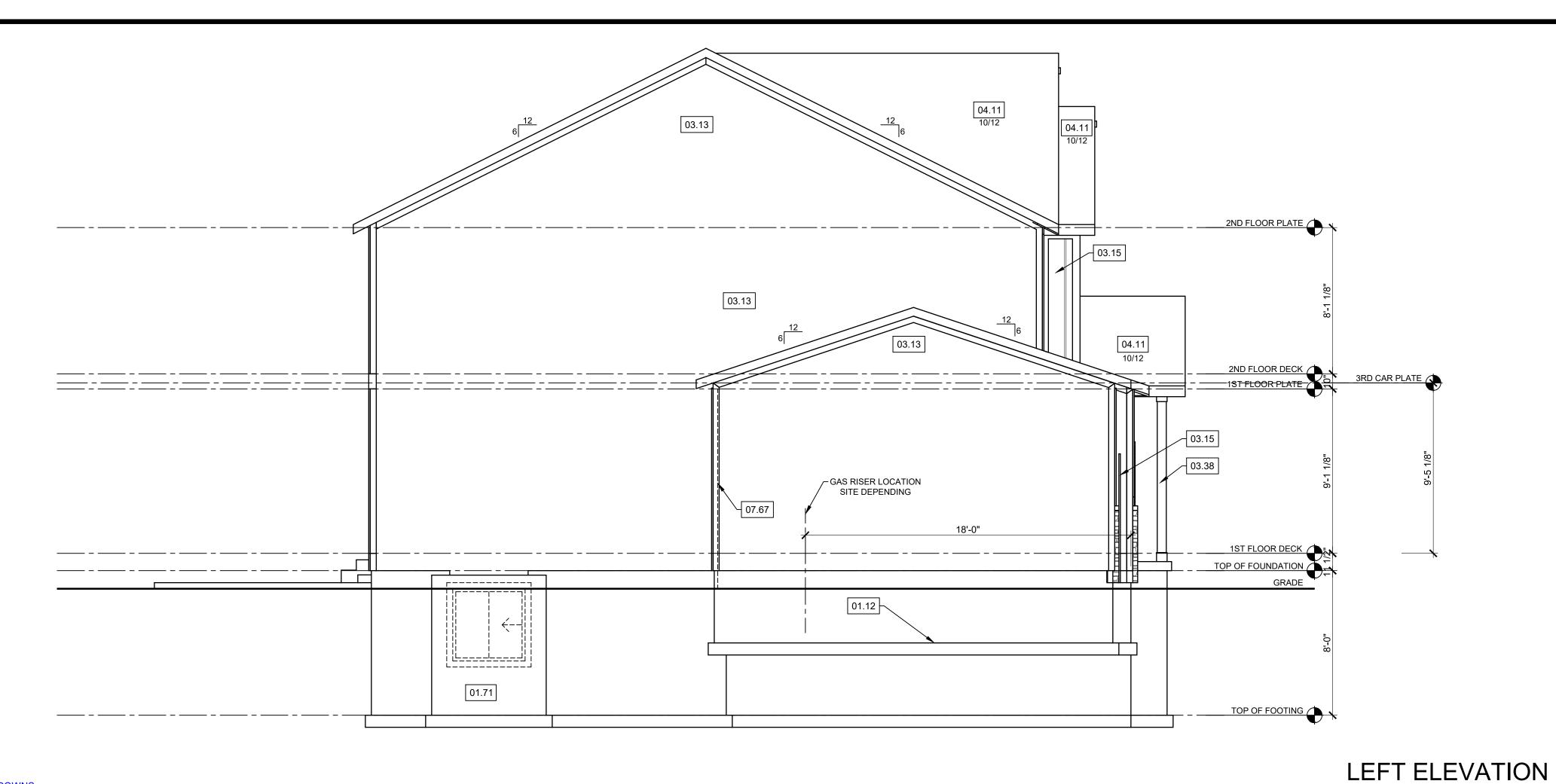
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SHEET NUMBER:





8'-0" FOUNDATION WALL EXCEPT AT STEP DOWNS TO BE LOCATED IN THE FIELD

UNBALANCED FILL NOT TO EXCEED 4'-0" AT UNRESTRAINED WALLS

ALL FOOTING TO BE BELOW FROST LINE (3'-0") AS REQUIRED PER SITE

04.11 _------03.13 04.11 2ND FLOOR DECK 03.15 03.38 03.13 GAS RISER LOCATION SITE DEPENDING TOP OF FOOTING __ - ___ - __ - __ - __ - __ - __ - __ - __ - __ - __ - __

RIGHT ELEVATION

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

REFERENCE KEYNOTES

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26"X6" CEDAR BRACKET

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STRUCTURAL NOTES:

ELEVATIONS:

1. ALL CONSTRUCTION SHALL CONFORM TO 2018

UNLESS OTHERWISE NOTED.

CORRESPONDING STUD SIZE.

WITH IRC R602.3.

AND OVERLAP.

EXPECTED TO VARY PER VENDOR.

INTERNATION RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APPLICABLE.

GARAGE DOORS SHALL MEET DASMA OR ULTIMATE

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07 - MISCELLANEOUS & PLAN NOTES

07.67 - BACK WALL OF GARAGE.

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> 3741 NE TROON DR. LEES SUMMIT, MO 64064 816-399-4901

> > **VERSION:**

R5.02X6

ISSUE DATE:

07/25/2024

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

LEE'S SUMMIT, MISSOURI 08/21/2024 **STRUCTURAL NOTES:**

ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATION RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APLLICABLE.

FOUNDATION NOTES:

ALL FOOTINGS MEET OR EXCEED MINIMUM FROST DEPTH OF

SOIL BEARING CAPACITY SHALL BE 1500 PSF.

COMPRESSSIVE STRENGTH OF CONCRETE FC COMPRESSIVE STRENGTH SHALL BE DAMPPROOFED. DAMPPROOFING 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 MOISTURED BARRIER OVER POROUS GRAVEL BASE UNDER

BASEMENT FLOOR SLAB PER R405.2.2. LAP JOINTS SHALL BE MINIMUM 6". FOUNDATION WALLS SHALL BE DAMPPROOFED PER IRC

SECTION R406. FOUNDATION DRAINAGE WILL BVE IN ACCORDANCE WITH IRC

SECTION R405. BASEMENT EGRESS OPENINGS SHALL BE IN ACCORDANCE

WITH IRC SECTION R310.1. ALL INTERIOR FOOTINGS OF LOAD BEARINGS WALLS AND

COLUMNS SHALL BE ISOLATED FROM THE BASEMENT FLOOR ALL ANCHOR BOLTS SHALL NOT BE SPACED MORE THAN 3' O.C.

AND BE EMBEDDED INTO THE CONCRETE A MINIMUM OF 7". IF BASEMENT SLAB ELEVATION IS ABOVE GRADE CONSULT

ALL EGRESS WINDOW HEADERS ON LOWER LEVEL TO BE (2)2X10 UNLESS OTHERWISE NOTED. ALL LOWER LEVEL FRAMED WALLS TO BE BRACED USING CS-

WSP FOR THEIR ENTIRE LENGTH.

DEAD MAN SPACING:

ENGINEER.

ALL DEAD MAN SHALL BE SPACED NO MORE THAN 16' FROM EGRESS WELL. REAR GARAGE WALL, 24" RETURN ON

FOUNDATION WALL OR ANOTHER DEAD MAN. DEAD MEN ARE NOT REQUIRED ON EXTERIOR GARAGE WALLS OR FOUNDATION WALLS THAT ARE 5' OR LESS.

WALL TRANSITIONING FROM ELSS THAN 5' TALL TO MORE THAN 5' TALL WITH STEP DOWNS: A DEAD MAN IS REQUIRED WITHIN 8' OF STEP DOWN (tRANSITIONING FROM LESS THAN 5' TALL TO MORE THAN 5' TALL WALL LOCATION) ON WALL 5' TALL OR

BLOCKING NOTE: FOUNDATION WALL AND FOOTING TABLE (3000 PSI CONCRETE AND 40 KSI REBAR PLACED 2" SOLID BLOCKING BETWEEN JOISTS AT 48" O.C. FROM INSIDE TENSION FACE) EXTEND BLOCKING ONE JOIST BAY PAST EACH SIDE OF ISLAND ABOVE NOMINAL WALL VERTICAL SPACING HORIZONTAL SPACING FOOTING SPECIFICATION WALL TYPE THICKNESS AND SIZE 8'-0" FOUNDATION WALL EXCEPT AT STEP DOWNS TO BE LOCATED IN THE FIELD 3'-6" TRENCH FOOTING #4 BARS @18" O.C. < 6'-0" WALL #4 BARS @36" O.C. NOT TO EXCEED 4'-0" AT UNRESTRAINED WALLS ALL FOOTING TO BE 8'-0" WALL #4 BARS @16" O.C. BELOW FROST LINE (3'-0") AS REQUIRED PER SITE 9'-0" WALL #4 BARS @12" O.C. | #4 BARS @ 24" O.C. 10'-0" WALL #4 BARS @8" O.C.

2X10 FJ @16" OC UNO

3.5" CONC. SLAB

W/ #4 @ 12" OC **EW BELOW**

2X6 CONTINUOUS STUD

16" X 8" CONC. GRADE

BEAM W/ (2) #4 CONT

WALL FULL HEIGHT

20"X8" CONC FTG W/ (2) #4 BARS -

UNEXCAVATED

6" CONC. SLAB W/ #4 @ 12" OC EW

ANCHOP

PER

UNFINISHED BASEMENT

DEADMAN,

S501, TYP.

01.11

06.31

HDU14-SDS2.5

HOLDOWN

DEVICE

SEE NOTES THIS SHEET &

36'-0"

26"X10" CONC FTG W/ (3) #4 BARS

05.51

06.21

10' - 2 7/8"

10'-0"

3.5" CONC. SLAB

W/ #4 @ 12" OC

EW BELOW

10'x12'

PATIO ABOVE

VERIFY WITH CONTRACT

----<u>-</u>

01.00 07.65

UNEXCAVATED **REFER TO PLOT PLAN FOR FOUNDATION ELEVATION HEIGHTS**

==12<u>+</u>5 1/4"

24"X8" CONC FTG W/ (3) #4 BARS

6" CONC. SLAB W/ #4 @ 12" OC EW

10' - 2 7/8"

SEE S503 FOR PEDESTAL

PER

10' - 2 7/8"—

ANCHOR

METHOD

10' - 2"

01.11

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

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

*DENOTES STEEL COLUMN NOT REQUIRED COLUMN AND PAD SIZES ARE FOR A MAXIMUM COLUMN HEIGHT OF 10' COLUMNS GREATER THAN 10' REQUIRE A SEPARATE ENGINEERED DESIGN. FOOTINGS A-F SPACING OF 6" O.C. WITH 3" CLEAR COVER.

ROOM **FINISH** SCHEDULE ROOM NAME Area

AND SIZE

(2) #4 BARS TOP &

BOT. CONT.

WINDOW SCHEDULE

STYLE | WIDTH | HEIGHT | TEMP | QUANTITY | SL BASEMENT EGRESS SLIDER 4'-0" 4'-0"

DOOR SCHEDULE

STYLE | WIDTH | HEIGHT | FRAME DEPTH | QUANTITY

UNDER-FLOOR SPACE SHALL CONFORM TO 2018 IRC SECTION R408

CRAWL SPACE NOTES:

PER 2018 IRC R408.3 UNDER-FLOOR VENTILATION IS NOT REQUIRED WHERE: EXPOSED EARTH IS COVERED W/ CONTINUOUS CLASS 1 VAPER RETARDER

JOINTS SHALL OVERLAP 6" AND SHALL BE SEALED OR TAPED. EDGES OF VAPER RETARDER SHALL EXTEND 6" UP STEM WALL AND PERIMETER WALL INSULATED IN

ACCORDANCE WITH SECT N1103.3.1 CONTINUOUSLY OPERATED MECHANICAL EXHAUST VENTILATION AT A RATE EQUAL TO 1 CUBIC FOOT PER

MINUTE (0.47 L/s) FOR EACH 50 SQUARE FEET OF CRAWL SPACE FLOOR AREA.

UNDER-FLOOR ACCESS SHALL BE PROVIDED AND SHALL BE A MINIMUM OF 18"x24" OPENING.

ALL WALLS OVER 10' SHALL BE DOUGLAS FIR-LARCH #2 2x4 STUDS FULL HEIGHT CONTINUOUS UNO. ALL WALLS OVER 12' SHALL BE DOUGLAS FIR-LARCH #2 (M-12) LUMBER 2x6 STUDS FULL HEIGHT CONTINUOUS.

FOUNDATION PLAN

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

REFERENCE KEYNOTES

01 - FOUNDATION

U.N.O. ON PLANS

16" x 8" CONC. FTG. W/

(2) #4 BARS CONT.

01.00 - HOLD SILL PLATE BACK 2"

01.11 - CONTINUOUS CONCRETE FOOTING

01.21 - RECESS TOP OF FOUNDATION WALL CONCRETE WINDOW WELL FOR EGRESS WITH

LADDER. PROVIDE SLEEVE THROUGH WALL FOR FOUNDATION DRAIN. TOP OF WINDOW WELL TO BE 3" BELOW TOP OF FOUNDATION.

02.12 - 2X6 STUD WALL

02.34 - PROVIDE ADDITIONAL BRACING FOR ISLAND ABOVE.

02.42 - FIRE RATED SHEETROCK UNDER STAIRS

05 - PLUMBING

DRAIN LINE ONLY FOR FUTURE USE. 05.51 - LOCATION TO BE MARKED WITH REBAR AND CUT FLUSH TO FLOOR FINISH.

06 - MECHANICAL

DIRECT FURNACE. FUEL BURNING APPLIANCES SHALL BE DIRECT VENTED TO EXTERIOR FOR

HOT WATER HEATER WITH THERMAL EXPANSION

CONTROL DEVICE SUMP PIT AND PUMP. PROVIDE ELECTRICAL GFCI

PROTECTION. PROVIDE SLEEVE THROUGH FOOTING. 06.41 - HVAC CHASE ABOVE

COMBUSTION AIR.

FRESH AIR VENTILATOR WITH POWERED DAMPER AND FILTER. SIMILIAR TO APRILAIRE

MODEL 8145/8145NC OR BETTER. 200 AMP ELECTRICAL PANEL.

LOCATION TO BE DETERMINED ON SITE. UFER GROUND- VERIFY LOCATION WITH

06.62 PROJECT MANAGER.

07 - MISCELLANEOUS & PLAN NOTES

07.65 - LINE OF FLOOR ABOVE

09 - ELECTRICAL - SEE ELECTRICAL PLANS

- PROVIDE GFCI RECEPTACLE AND SWITCH FOR HUMIDIFIER.

09.02 - PROVIDE GFCI RECEPTACLE FOR SUMP PUMP.

CONTINUE SWITCH CIRCUIT TO SWITCH AT TOP OF STAIRS.

09.10 - AC HANGAR. VERIFY LOCATION ON SITE.

09.11 - GAS METER. VERIFY LOCATION ON SITE.

09.12 - ELECTRIC PANEL. VERIFY LOCATION ON SITE.

GENERAL NOTES - FOUNDATION BASEMENT

PLUMBING FIXTURES. PROVIDE MEANS OF CONTROLLING

ALL SILLS & SLEEPERS SUPPORTED ON CONCRETE OR MASONRY SHALL BE OF DECAY-RESISTANT MATERIALS.

STANDARD TERMINOLOGY. ACTUAL LUMBER SIZING IS

SMOKE AND CARBON MONOXIDE DETECTORS SHOW ON

WINDOW SIZES ARE WRITTEN IN FEET AND INCHES PER

INDUSTRY STANDARDS. EX: 3050 SH = 3'-0" X 5'-0" SINGLE

PLANS ARE TO BE CONSIDERED RECOMMENDATIONS

ONLY. FINAL PLACEMENT IS TO BE DETERMINED BY

DIMENSIONAL LUMBER IS LABELED PER INDUSTRY

ALL INTERIOR NON-LOAD BEARING, NON-BRACED,

NON-CABINET WALLS ARE ALLOWED AT 24" O.C.

EXPECTED TO VARY PER VENDOR.

MUNICIPAL REQUIREMENTS.

HUNG, 3066 FIX = 3'-0" X 6'-6" FIXED.

BACK WATER VALVES REQUIRED ON ALL BASEMENT

PRESSURE CAUSED BY THERMAL EXPANSION.

CPG DBA



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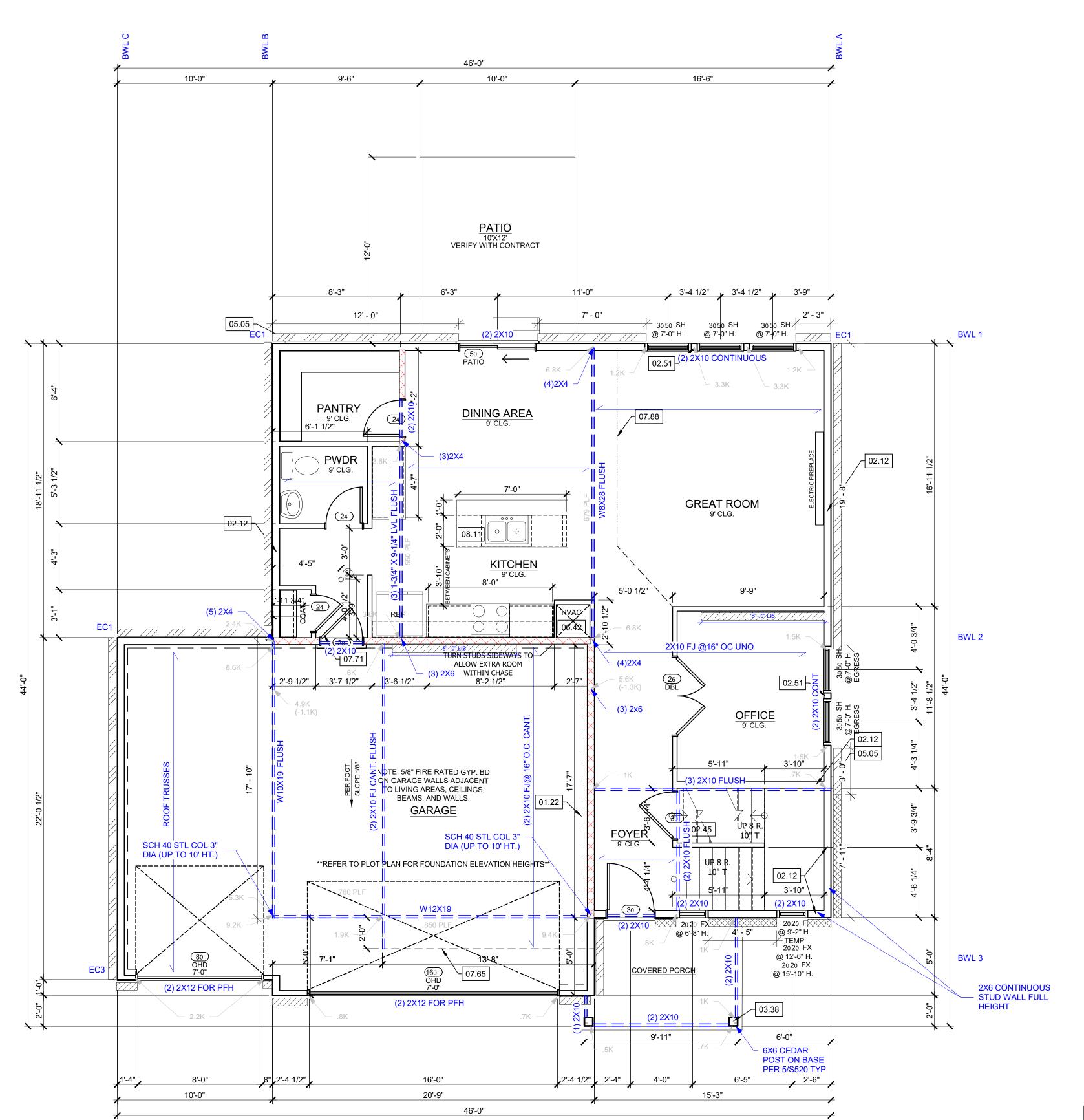
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DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 08/21/2024



GENERAL PLAN NOTES

- ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE
- ALL DIMENSIONS ARE FROM FACE OF STUD U.N.O. MINIMUM DOUBLE JOIST UNDER INTERIOR NON-LOAD BEARING WALLS. CANTILEVERS, OVER BEAMS, AND DOOR JAMBS SHALL BE BLOCKED.
- CEILING JOISTS SHALL BE 2x6 @ 16" O.C. U.N.O. WALL CONSTRUCTION SHALL BE CAPABLE OF ACCOMMODATING ALL
- LOADS IMPOSED ACCORDING TO IRC R301. EXTERIOR WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH IRC 602 & FIGURES R602.3(1) AND R602.3(2).
- ANY WOOD MEMBERS IN CONTACT WITH CONCRETE OR MASONRY (OR THE FURRING THEY ARE ATTACHED TO) SHALL BE OF DECAY RESISTANT
- 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.
- SOLID BLOCKING BETWEEN JOISTS AT 48" O.C. AND EXTEND BLOCKING ONE JOIST BAY PAST EACH SIDE OF KITCHEN ISLAND
- ALL JOIST HANGERS TO BE SIMPSON LUS HANGERS UNO

INTERIOR LOAD BEARING WALL

WALL BRACING NOTES:

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

APPROPRIATE PANEL EDGE-NAILING SCHEDULE IN ACCORDANCE

WITH IRC R602.10.4.4 INTERIOR FINISH OF EXTERIOR WALLS SHALL BE MINIMUM 1/2" GYPSUM BOARD INSTALLED ON THE INTERIOR SIDE.

NAILED TO COMMON FRAMING OR BLOCKING WITH AN

BRACING METHODS

BRACING CS-PF PER IRC R602.10.6.4

BRACING CS-WSP PER IRC R602.10

BRACING LIB PER IRC R602.10

MINIMUM LIB LENGTH PER 2018 IRC TABLE R602.10.5: 55" - 8' TALL WALL HEIGHT • 62" - 9' TALL WALL HEIGHT 69" - 10' TALL WALL HEIGHT

BRACING PFH PER IRC R602.10.6.2

ENGINEERED BRACED WALL PANEL: 3/8" THICK WOOD STRUCTURAL PANEL FASTENED W/8d COMMON NAILS SPACED 6" OC AT EDGES AND 12" OC IN FIELD

ROOM FINISH	
SCHEDUI	_E
ROOM NAME	Area
	0.0

ROOM NAME	Area
FOYER/HALLWAY	88
GREAT ROOM	213
OFFICE	104
MAIN LEVEL STAIRS	77
KITCHEN	203
DINING AREA	84
OWNER'S ENTRY	40
POWDER ROOM	28

46

PANTRY

WINDOW SCHEDULE TYPE STYLE WIDTH HEIGHT TEMP QUANTITY

DOOR SCHEDULE						
	<u> </u>	<u> </u>	DULL			
STYLE	WIDTH	HEIGHT	FRAME DEPTH	QUANTITY		
HINGED - SINGLE	2'-4"	6'-8"	4 1/2"	3		
GARAGE DOOR - 16 - 16 PANEL	16'-0"	7'-0"	4 1/2"	1		
HINGED - SINGLE	3'-0"	6'-8"	4 1/2"	1		
SLIDING - DOUBLE - FULL LITE	5'-0"	6'-8"	6"	1		
HINGED - DOUBLE	5'-0"	6'-8"	4 1/2"	1		
HINGED - SINGLE - GARAGE	2'-8"	6'-8"	6 5/8"	1		

IRC TABLE N1102.1.2 (R402.1.2) INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT (PARTIAL) AND ENERGY CONSERVATION CODE COMPLIANCE CEILING AND VAULTS GLAZED U-FACTOR U-FACTOR FENESTRATION ATTICS FLOOR BASEMENT | SLAB R-VALUE | CRAWL SPACE | DUCTWORK CLIMATE | FENESTRATION | SKYLIGHT WALL R-VALUE | R-VALUE | WALL R-VALUE | & DEPTH | WALL R-VALUE | R-VALUE ZONE SHGC R-VALUE R-VALUE 4 EXCEPT 20 OR 13+5H 10, 2 FT **MARINE**

MAIN LEVEL PLAN

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

REFERENCE KEYNOTES

01 - FOUNDATION

01.22 - EXPOSED TOP OF FOUNDATION WALL.

02 - TRIM 02.12 - 2X6 STUD WALL

02.45 - STAIRS TO LOWER LEVEL UNFINISHED 02.51 - 3 STUDS BETWEEN WINDOW UNITS

03 - SIDING

6X6 CEDAR POST. 1X6 TRIM AT BASE. 03.38 1X4 TRIM AT TOP.

05 - PLUMBING

05.05 - HOSE BIBB

06 - MECHANICAL

HVAC FLOOR OPENING. HEADER OFF FLOOR JOISTS 06.42 - AS REQUIRED. BUMP TRUSSES AS NECESSARY FOR HVAC ACCESS.

07 - MISCELLANEOUS & PLAN NOTES

07.65 - LINE OF FLOOR ABOVE

20 MINUTE FIRE RATED SOLID CORE WITH SELF-CLOSING HINGES

07.88 - CHANGE IN FLOORING MATERIAL

08 - CABINETRY

24" CABINET + 12" OVERHANG FLAT ISLAND. VERIFY LOCATION WITH PERSONAL BUILDER.

09 - ELECTRICAL - SEE ELECTRICAL PLANS

CONTINUE SWITCH CIRCUIT DOWN TO SWITCH AT BOTTOM OF STAIRS.

09.05 - SWITCH AND POWER FOR GARBAGE DISPOSAL.

PROVIDE POWER BELOW COUNTER FOR DISHWASHER - FLOOD LIGHT - DETERMINED ON SITE.

09.09 - OUTLET ON DEDICATED CIRCUIT.

Z

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A CLAYTON COMPANY

120 SE 30TH ST.

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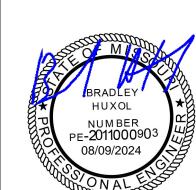
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ROOF AND CEILING FRAMING ARE PRE-ENGINEERED WOOD TRUSSES UNLESS NOTED OTHERWISE.

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

GENERAL NOTES - FLOOR PLAN

ALL EXTERIOR WALLS, INTERIOR BEARING WALLS, AND

INTERIOR BRACED WALLS ARE AT 16" O.C. UNLESS

ALL INTERIOR NON-LOAD BEARING, NON-BRACED,

NON-CABINET WALLS ARE ALLOWED AT 24" O.C.

WINDOWS TO COMPLY WITH IRC R312.2 FOR FALL

PROTECTION.

NOTED OTHERWISE.

PROVIDE BLOCKING AT ALL CEILING JUMPS FOR INSULATION.

2X6 EXTERIOR WALL OVER 12' SHALL BE DOUGLAS FIR

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.

VERSION:

R5.02X6

ISSUE DATE:

07/25/2024

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GENERAL PLAN NOTES

- ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE
- APPLICABLE. ALL DIMENSIONS ARE FROM FACE OF STUD U.N.O.
- MINIMUM DOUBLE JOIST UNDER INTERIOR NON-LOAD BEARING WALLS.
- CANTILEVERS. OVER BEAMS, AND DOOR JAMBS SHALL BE BLOCKED. CEILING JOISTS SHALL BE 2x6 @ 16" O.C. U.N.O.
- WALL CONSTRUCTION SHALL BE CAPABLE OF ACCOMMODATING ALL LOADS IMPOSED ACCORDING TO IRC R301. EXTERIOR WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH IRC
- 602 & FIGURES R602.3(1) AND R602.3(2). ANY WOOD MEMBERS IN CONTACT WITH CONCRETE OR MASONRY (OR THE FURRING THEY ARE ATTACHED TO) SHALL BE OF DECAY RESISTANT
- 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. SOLID BLOCKING BETWEEN JOISTS AT 48" O.C. AND EXTEND BLOCKING
- ONE JOIST BAY PAST EACH SIDE OF KITCHEN ISLAND 11. ALL JOIST HANGERS TO BE SIMPSON LUS HANGERS UNO

INTERIOR LOAD BEARING WALL

WALL BRACING NOTES:

- WALL BRACING IS DESIGNED IN ACCORDANCE WITH IRC R602.10
- BRACING METHODS SHALL BE PER PLAN AND SHALL BE CONSTRUCTED IN CONFORMANCE WITH 2018 IRC R602.10.4 AND R602.10.5
- FOR METHOD CS-WSP STRUCTURAL PANEL SHEATHING SHALL BE INSTALLED ON ALL SHEATHABLE SURFACES ON ONE SIDE OF THE BRACED WALL LINE INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS. END CONDITIONS SHALL MEET THE REQUIREMENTS OF R602.10.7 AND DETAIL 9-S400.
- ALL HORIZONTAL PANEL JOINTS SHALL OCCUR OVER AND BE NAILED TO COMMON FRAMING OR BLOCKING WITH AN APPROPRIATE PANEL EDGE-NAILING SCHEDULE IN ACCORDANCE WITH IRC R602.10.4.4
- INTERIOR FINISH OF EXTERIOR WALLS SHALL BE MINIMUM 1/2" GYPSUM BOARD INSTALLED ON THE INTERIOR SIDE.

BRACING METHODS

BRACING CS-PF PER IRC R602.10.6.4

BRACING CS-WSP PER IRC R602.10

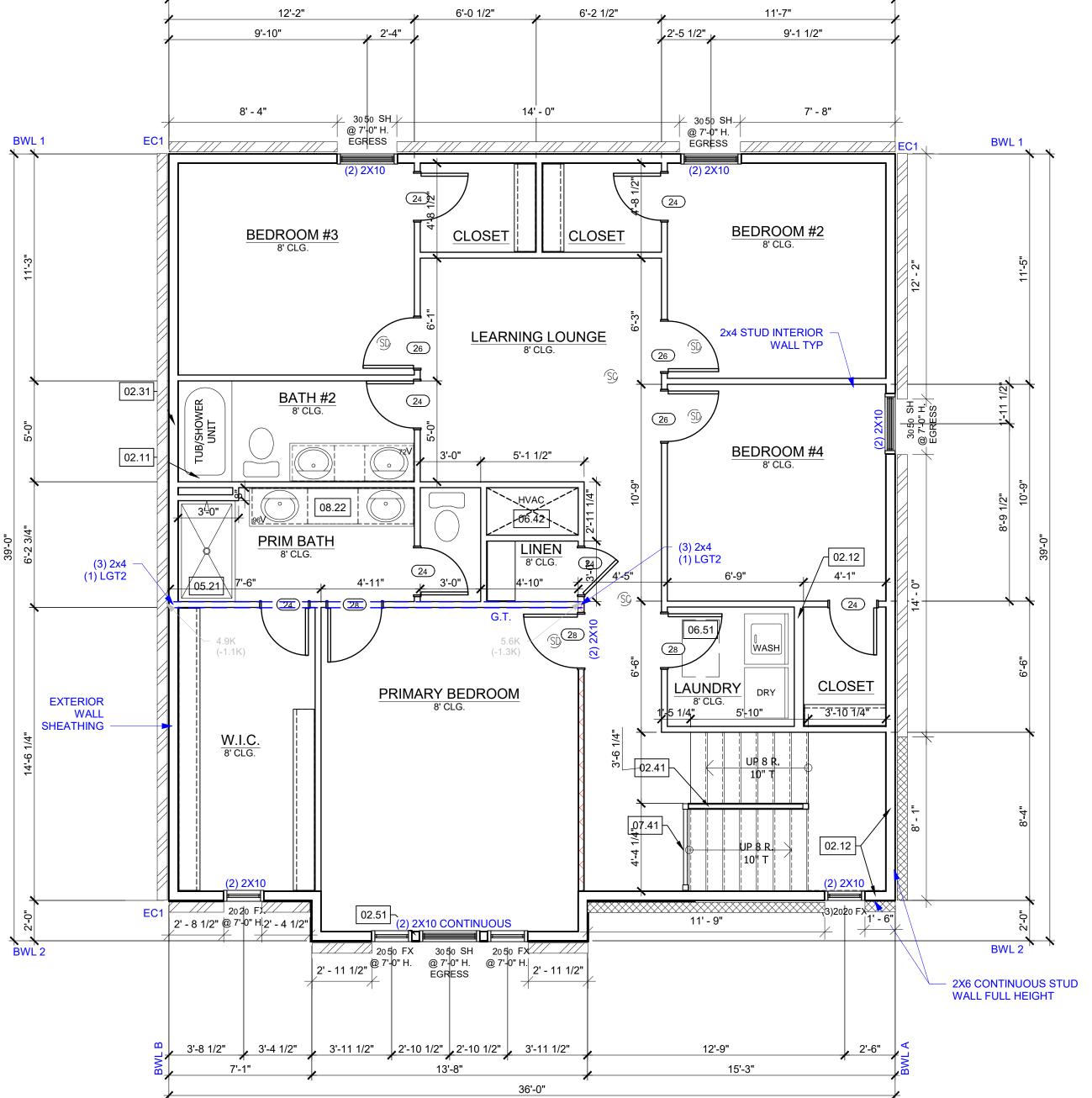
BRACING LIB PER IRC R602.10

MINIMUM LIB LENGTH PER 2018 IRC TABLE R602.10.5:

55" - 8' TALL WALL HEIGHT 62" - 9' TALL WALL HEIGHT 69" - 10' TALL WALL HEIGHT

BRACING PFH PER IRC R602.10.6.2

ENGINEERED BRACED WALL PANEL: 3/8" THICK WOOD STRUCTURAL PANEL FASTENED W/8d COMMON NAILS SPACED 6" OC AT EDGES AND 12" OC IN FIELD



36'-0"

ROOM FINISH SCHEDULE			
ROOM NAME	Area		
BEDROOM #2	143		
BEDROOM #3	146		
BATHROOM #2	48		
PRIMARY BATH	69		
BEDROOM #4	142		
LAUNDRY	37		
UPPER LEVEL STAIRS	71		
HALLWAY	242		
W.I.C	95		

PRIMARY BEDROOM 204

WINDOW SCHEDULE							
TYPE	STYLE	WIDTH	HEIGHT	TEMP	QUANTITY		
FX	FIXED - DRAFT	2'-0"	2'-0"		1		
FX	FIXED - DRAFT	2'-0"	2'-6"		1		
FX	FIXED	2'-0"	2'-0"		1		
FX	FIXED	2'-0"	5'-0"		2		
SH	SINGLE HUNG	3'-0"	5'-0"		4		

	000	R SC	HEDULE	
STYLE	WIDTH	HEIGHT	FRAME DEPTH	QUANTIT
HINGED - SINGLE	2'-4"	6'-8"	4 1/2"	7
HINGED - SINGLE	2'-8"	6'-8"	4 1/2"	3
HINGED - SINGLE	2'-6"	6'-8"	4 1/2"	3

IRC TABLE N1102.1.2 (R402.1.2) INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT (PARTIAL) AND ENERGY CONSERVATION CODE COMPLIANCE CLIMATE ZONE FENESTRATION SKYLIGHT U-FACTOR SHGC CEILING AND ATTICS R-VALUE WOOD FRAME FLOOR R-VALUE BASEMENT | SLAB R-VALUE | CRAWL SPACE | DUCTWORK | R-VALUE | WALL R-VALUE | & DEPTH | WALL R-VALUE | R-VALUE SHGC R-VALUE R-VALUE 4 EXCEPT 20 OR 13+5H 10, 2 FT 10/13 MARINE

UPPER LEVEL PLAN

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

REFERENCE KEYNOTES

02 - TRIM

02.11 - DOUBLE 2X4 STUD WALL

02.12 - 2X6 STUD WALL

SIX SIDED TUB ASSEMBLY INCLUDING THERMOPLY 02.31 - ON EXTERIOR WALL TO 2" ABOVE TOP OF TUB DECK OR TUB/SHOWER UNIT

02.41 - CURB STAIR SYSTEM WITH OPEN HANDRAILS

02.51 - 3 STUDS BETWEEN WINDOW UNITS

05 - PLUMBING

05.21 - FIBERGLASS BASE WITH TILE WALLS

06 - MECHANICAL

HVAC FLOOR OPENING. HEADER OFF FLOOR JOISTS 06.42 - AS REQUIRED. BUMP TRUSSES AS NECESSARY FOR HVAC ACCESS.

1'-10"X3'-0" MINIMUM ATTIC ACCESS WITH 3/4" 06.51 - BACKER BOARD AND 2 LATCHES. BUMP TRUSSES FOR ATTIC ACCESS.

07 - MISCELLANEOUS & PLAN NOTES 07.41 - OPEN HANDRAILS

08 - CABINETRY

08.22 - CONTINUOUS FLAT VANITY

09 - ELECTRICAL - SEE ELECTRICAL PLANS

CONTINUE SWITCH CIRCUIT DOWN TO SWITCH AT BOTTOM OF STAIRS.

GENERAL NOTES - FLOOR PLAN

WINDOWS TO COMPLY WITH IRC R312.2 FOR FALL PROTECTION.

ALL EXTERIOR WALLS, INTERIOR BEARING WALLS, AND INTERIOR BRACED WALLS ARE AT 16" O.C. UNLESS NOTED OTHERWISE.

ALL INTERIOR NON-LOAD BEARING, NON-BRACED, NON-CABINET WALLS ARE ALLOWED AT 24" O.C.

ROOF AND CEILING FRAMING ARE PRE-ENGINEERED WOOD TRUSSES UNLESS NOTED OTHERWISE.

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

PROVIDE BLOCKING AT ALL CEILING JUMPS FOR

2X6 EXTERIOR WALL OVER 12' SHALL BE DOUGLAS FIR

SMOKE AND CARBON MONOXIDE DETECTORS SHOW ON PLANS ARE TO BE CONSIDERED RECOMMENDATIONS ONLY. FINAL PLACEMENT IS TO BE DETERMINED BY MUNICIPAL REQUIREMENTS.

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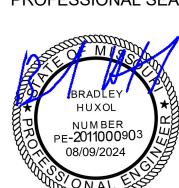
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DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 08/21/2024

TRUSS FRAMED ROOF NOTES ALL CONSTRUCTION SHALL CONFORM TO 2018 INTERNATIONAL RESIDENTIAL CODE OR ATTACHED ENGINEER SPECIFICATIONS WHERE APPLICABLE. DESIGNED FOR LIGHT ROOF COVERING, UNO. SEE G000 FOR MINIMUM LOADING. ALL EXTERIOR AND/OR LOAD BEARING WALL HEADERS SHALL BE MIN. (2) #2 2X10 UNO. CONSULT ENGINEER IF TRUSSES BEAR ON INTERIOR WALLS SHOWN AS NON-LOAD BEARING ON APPROVED POINTS. PROVIDE 2X SOLID BLOCKING SUPPORT BELOW ALL POINT LOADS CONTINUOUS TO BEARING STRUCTURE AND/OR FOUNDATION BELOW. WOOD TRUSSES SHALL BE IN ACCORDANCE WITH IRC 802.10. CONSULT ENGINEER IF TRUSSES BEAR ON INTERIOR WALLS SHOWN AS NON-LOAD BEARING ON APPROVED PRINTS. GIRDER TRUSSES MUST HAVE LOAD CARRIED DOWN TO THE FOUNDATION OR LOAD SUPPORTING MEMBER. STUD PACK / COLUMN SHOWN ON PLANS. ROOF COVERING SHALL BE ASPHALT SHINGLES AND SHALL COMPLY WITH IRC 2018 SECT. R905.2 MINIMUM ROOF SLOPE FOR ASPHALT SHINGLES SHALL BE 2:12. ROOF SLOPES IN BETWEEN 4:12 AND 2:12 SHALL REQUIRE DOUBLE UNDERLAYMENT IN ACCORDANCE WITH IRC 2018 TABLE R905.1.1(2). 12. EVERSTEAD STRUCTURAL SCOPE ENDS AT TOP PLATE FOR ROOF TRUSSES. TRUSS DIRECTION GIRDER TRUSS LOCATION INTERIOR LOAD BEARING WALL TRUSS SCREWS TRUSS SCREWS MAY BE USED INSTEAD OF THE FASTENING NOTED IN TABLE R602.3(1) TRUSS SCREWS MUST BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. BASIS OF DESIGN SHOWN ON PLANS: SIMPSON STRONG DRIVE SDWC TRUSS SCREW LENGTH: 6" FASTENED THROUGH THE BOTTOM SIDE OF A # 2 DOUGLAS FIR - LARCH DOUBLE TOP PLATE

INTO THE BEARING END OF A TRUSS

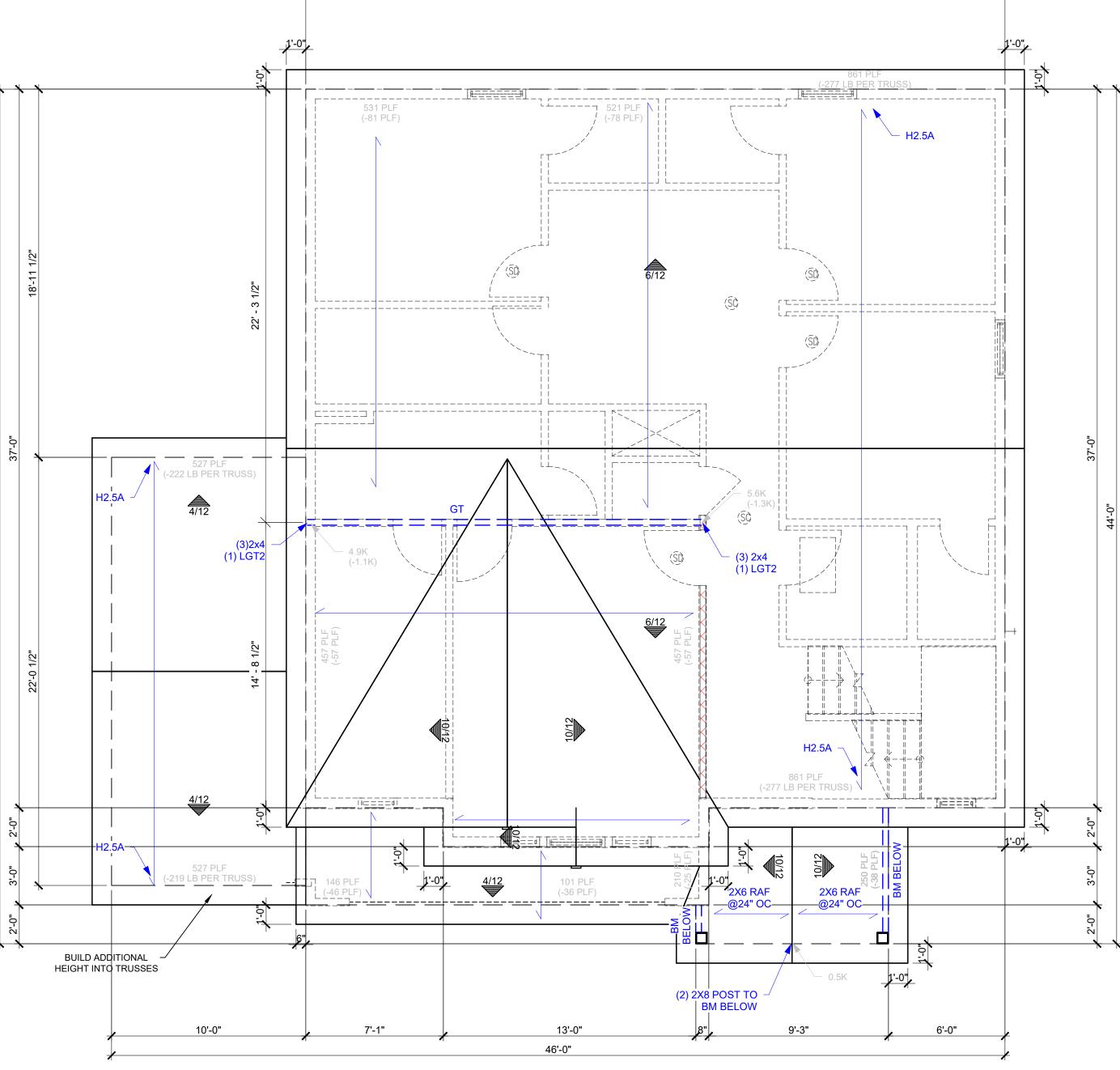
VERTIALLY INTO TRUSS.
(INSTALLATION CONF. B)
TRUSS BEARING WITH UPLIFT THAT EXCEEDS THE
TRUSS SCREW CAPACITY LISTED ABOVE MUST HAVE

ADDITIONAL FASTENING, AS SHOWN ON PLAN.

TYPE 1)

(1) 6" SCREW - MIN 835 LBS UPLIFT WHEN INSTALLED IN THE CENTER OF THE TOP PLATE ON A MAX 20 DEG. ANGLE FROM VERTICAL (INSTALLATION

(2) 6" SCREWS - MIN 1195 LBS UPLIFT WHEN BOTH SCREWS ARE INSTALLED



ROOF PLAN

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

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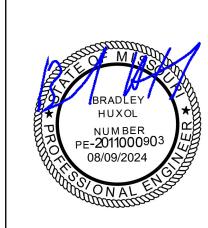
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D MEADOWS, Lot OD - TRANSITION

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GENERAL NOTES - ROOF

ROOF AND CEILING FRAMING ARE PRE-ENGINEERED

ENCLOSED ATTICS SHALL HAVE CROSS VENTILATION

OPENINGS PROTECTED AGAINST THE ENTRANCE OF

PROVIDED WITH CORROSION-RESISTANT WIRE MESH,

THE AREA OF SPACE VENTILATED, EXCEPT WHERE

BUILD CRICKET VALLEY AWAY FROM INTERSECTION

DIMENSIONAL LUMBER IS LABELED PER INDUSTRY STANDARD TERMINOLOGY. ACTUAL LUMBER SIZING IS

PROVIDE BLOCKING AT ALL CEILING JUMPS FOR

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

THE VENTILATORS AREA LOCATED IN THE UPPER

PORTION OF THE SPACE TO BE VENTILATED THE

VENTILATING AREA SHALL NOT BE LESS THAN 1/150 OF

RAIN OR SNOW. VENTILATING OPENINGS SHALL BE

FOR EACH SEPARATE SPACE BY VENTILATING

WITH 1/8 TO 1/4 OPENINGS. THE TOTAL FREE

REQUIRED AREA MAY BE REDUCED TO 1/300.

FOR POSITIVE DRAINAGE. SEE FRAMING

SPECIFICATIONS FOR DETAILS.

EXPECTED TO VARY PER VENDOR.

INSULATION.

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

ROOF TRUSSES.

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FRONT ELEVATION

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

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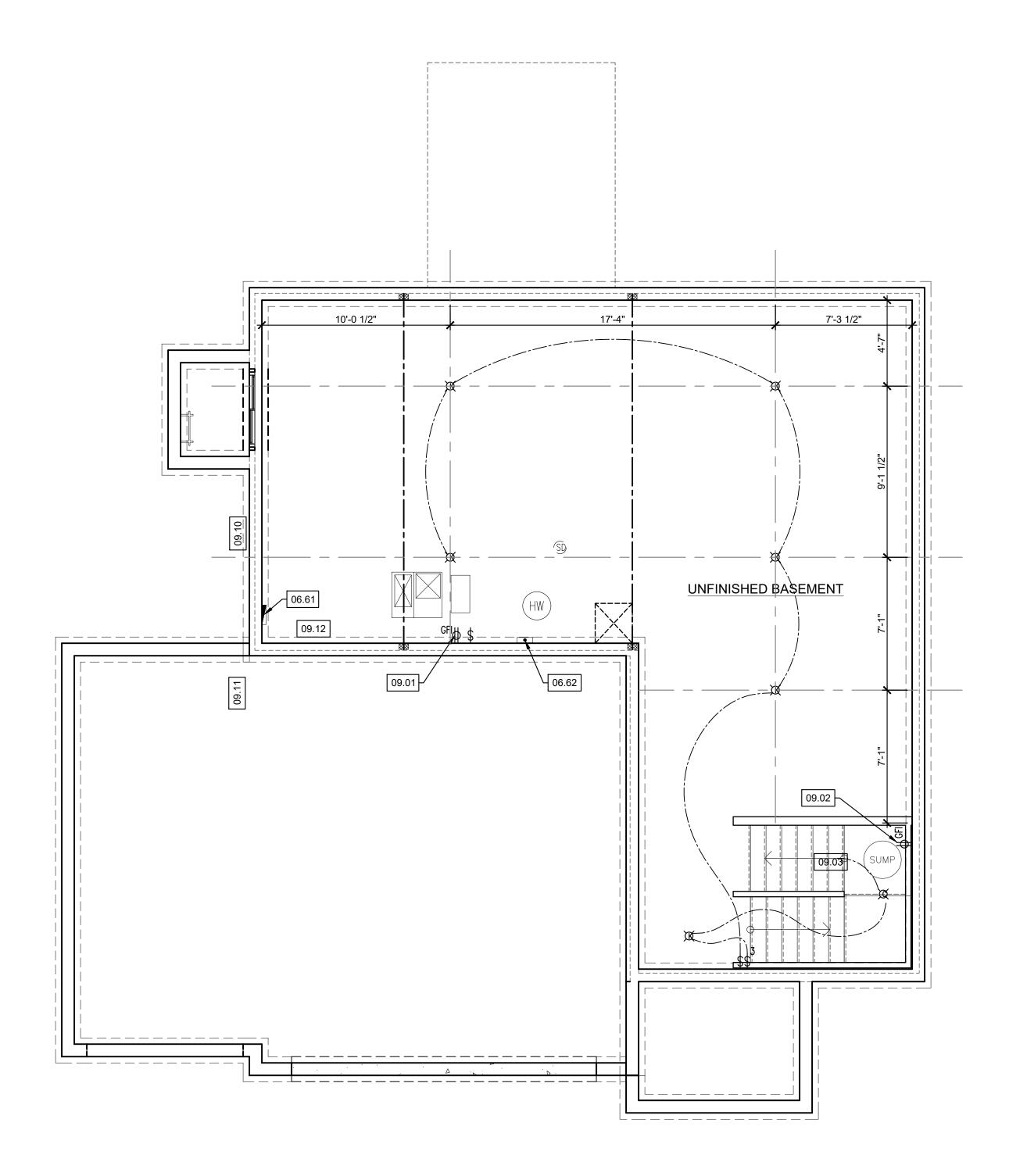
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E1.0



REFERENCE KEYNOTES

01 - FOUNDATION

01.00 - HOLD SILL PLATE BACK 2"

01.11 - CONTINUOUS CONCRETE FOOTING

01.21 - RECESS TOP OF FOUNDATION WALL

11.71 - LADDER. PROVIDE SLEEVE THROUGH WALL FOR FOUNDATION DRAIN. TOP OF WINDOW WELL TO BE 3" BELOW TOP OF FOUNDATION.

CONCRETE WINDOW WELL FOR EGRESS WITH

02 - TR

02.12 - 2X6 STUD WALL

02.34 - PROVIDE ADDITIONAL BRACING FOR ISLAND ABOVE.

02.42 - FIRE RATED SHEETROCK UNDER STAIRS

05 - PLUMBING

DRAIN LINE ONLY FOR FUTURE USE.

05.51 - LOCATION TO BE MARKED WITH REBAR
AND CUT FLUSH TO FLOOR FINISH.

06 - MECHANICAL

DIRECT FURNACE. FUEL BURNING APPLIANCES

06.11 - SHALL BE DIRECT VENTED TO EXTERIOR FOR COMBUSTION AIR.

06.21 - HOT WATER HEATER WITH THERMAL EXPANSION CONTROL DEVICE

06.31 - SUMP PIT AND PUMP. PROVIDE ELECTRICAL GFCI PROTECTION. PROVIDE SLEEVE THROUGH FOOTING.

06.41 - HVAC CHASE ABOVE

FRESH AIR VENTILATOR WITH POWERED

06.60 - DAMPER AND FILTER. SIMILIAR TO APRILAIRE

MODEL 8145/8145NC OR BETTER.

06.61 - 200 AMP ELECTRICAL PANEL. LOCATION TO BE DETERMINED ON SITE.

06.62 - UFER GROUND- VERIFY LOCATION WITH PROJECT MANAGER.

07 - MISCELLANEOUS & PLAN NOTES

07.65 - LINE OF FLOOR ABOVE

09 - ELECTRICAL - SEE ELECTRICAL PLANS

09.01 - PROVIDE GFCI RECEPTACLE AND SWITCH FOR HUMIDIFIER.

09.02 - PROVIDE GFCI RECEPTACLE FOR SUMP PUMP.

09.12 - ELECTRIC PANEL. VERIFY LOCATION ON SITE.

09.03 - CONTINUE SWITCH CIRCUIT TO SWITCH AT TOP OF STAIRS.

09.10 - AC HANGAR. VERIFY LOCATION ON SITE.

09.11 - GAS METER. VERIFY LOCATION ON SITE.

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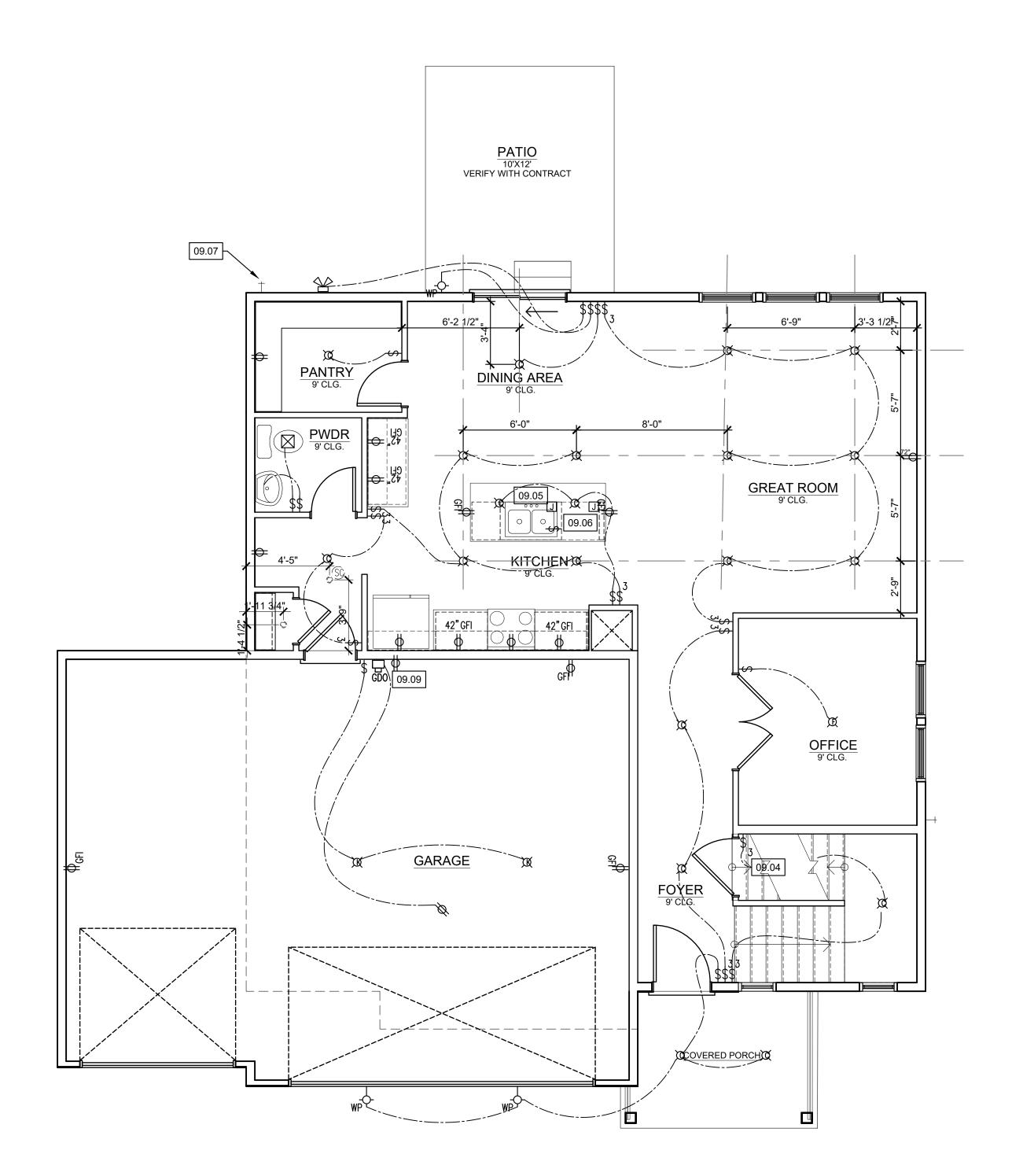
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REFERENCE KEYNOTES

01 - FOUNDATION

01.22 - EXPOSED TOP OF FOUNDATION WALL.

02 - TRIM

02.12 - 2X6 STUD WALL

02.45 - STAIRS TO LOWER LEVEL UNFINISHED02.51 - 3 STUDS BETWEEN WINDOW UNITS

03.38 - 6X6 CEDAR POST. 1X6 TRIM AT BASE. 1X4 TRIM AT TOP.

03 - SIDING

05 - PLUMBING 05.05 - HOSE BIBB

06 - MECHANICAL

HVAC FLOOR OPENING. HEADER OFF FLOOR JOISTS

06.42 - AS REQUIRED. BUMP TRUSSES AS NECESSARY
FOR HVAC ACCESS.

07 - MISCELLANEOUS & PLAN NOTES

07.65 - LINE OF FLOOR ABOVE

07.71 - 20 MINUTE FIRE RATED SOLID CORE WITH SELF-CLOSING HINGES

07.88 - CHANGE IN FLOORING MATERIAL

08 - CABINETRY

08.11 - 24" CABINET + 12" OVERHANG FLAT ISLAND. VERIFY LOCATION WITH PERSONAL BUILDER.

09 - ELECTRICAL - SEE ELECTRICAL PLANS

09.04 - CONTINUE SWITCH CIRCUIT DOWN TO SWITCH AT BOTTOM OF STAIRS.

09.05 - SWITCH AND POWER FOR GARBAGE DISPOSAL.

09.06 - PROVIDE POWER BELOW COUNTER FOR DISHWASHER.

ELECTRICAL FIXTURE SCHEDULE

CAN LIGHT

EXHAUST FAN

EXTERIOR WALL LIGHT - BARN

FLUSH MOUNT CEILING LIGHT

OUTDOOR COACH LIGHT

OUTLET - DUPLEX
OUTLET - GFI

OUTLET - GFI @ 42"

SMOKE & CO DETECTOR COMBO

SWITCH - THREE WAY

♥ OUTLET - CEILING MOUNTED DUPLEX

QUANTITY SYMBOL

ф_{GFI}

09.07 - FLOOD LIGHT - DETERMINED ON SITE.09.09 - OUTLET ON DEDICATED CIRCUIT.

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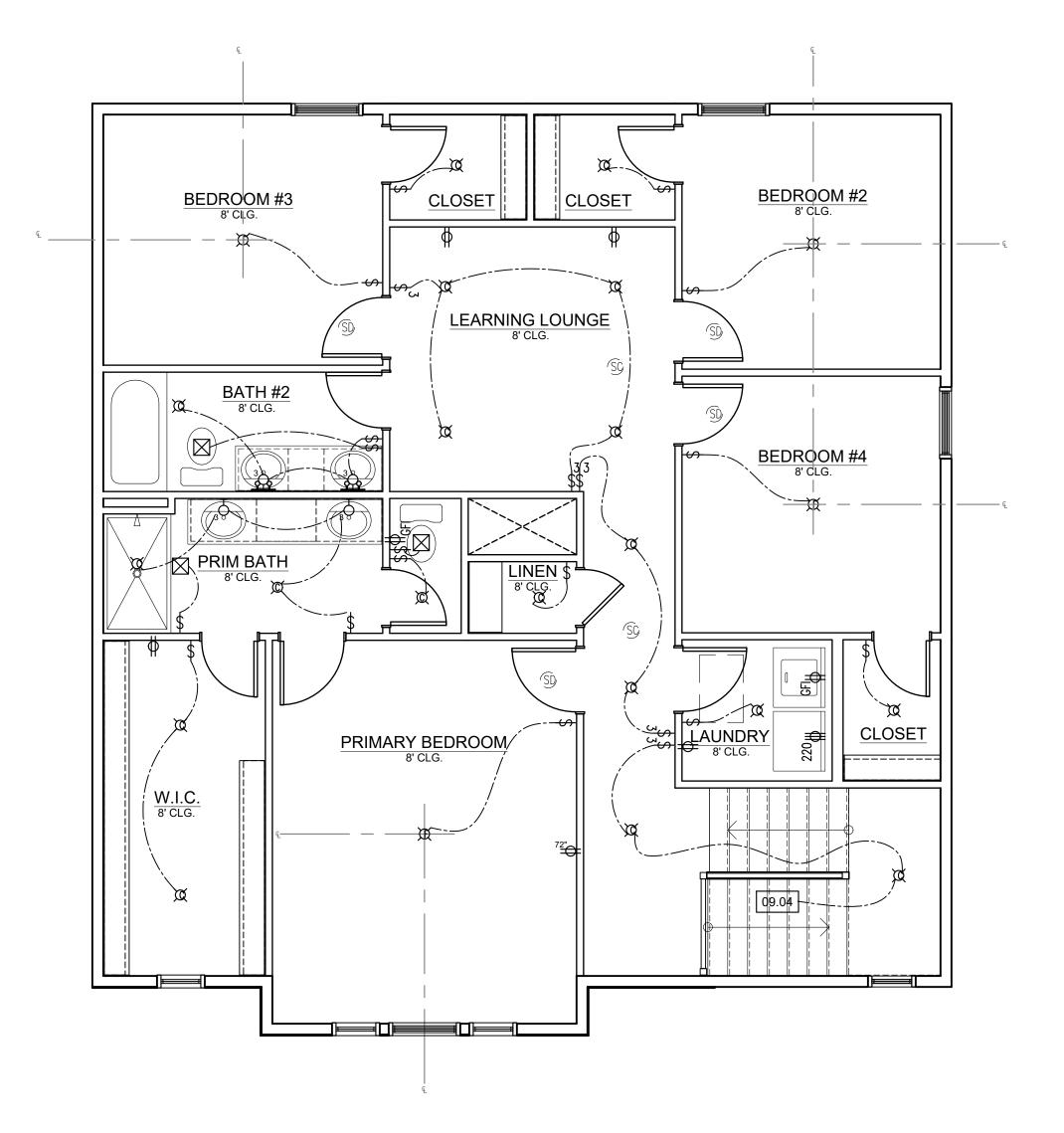
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SHEET NUMBER:

E3.0

ELECTRICAL PLAN - MAIN LEVEL



REFERENCE KEYNOTES

02 - TRIM

02.11 - DOUBLE 2X4 STUD WALL

02.12 - 2X6 STUD WALL

SIX SIDED TUB ASSEMBLY INCLUDING THERMOPLY 02.31 - ON EXTERIOR WALL TO 2" ABOVE TOP OF TUB DECK OR TUB/SHOWER UNIT

02.41 - CURB STAIR SYSTEM WITH OPEN HANDRAILS

02.51 - 3 STUDS BETWEEN WINDOW UNITS

05 - PLUMBING

05.21 - FIBERGLASS BASE WITH TILE WALLS

06 - MECHANICAL

HVAC FLOOR OPENING. HEADER OFF FLOOR JOISTS 06.42 - AS REQUIRED. BUMP TRUSSES AS NECESSARY FOR HVAC ACCESS.

1'-10"X3'-0" MINIMUM ATTIC ACCESS WITH 3/4" 06.51 - BACKER BOARD AND 2 LATCHES. BUMP TRUSSES FOR ATTIC ACCESS.

07 - MISCELLANEOUS & PLAN NOTES 07.41 - OPEN HANDRAILS

08 - CABINETRY

08.22 - CONTINUOUS FLAT VANITY

09 - ELECTRICAL - SEE ELECTRICAL PLANS

ELECTRICAL FIXTURE SCHEDULE

DESCRIPTION BATH VANITY - 3 LIGHTS

CAN LIGHT EXHAUST FAN FLUSH MOUNT CEILING LIGHT

OUTLET - GFI

SMOKE DETECTOR

SMOKE & CO DETECTOR COMB

5 \$\ \mathbf{t}_3 \qquad \text{SWITCH - THREE WAY}

QUANTITY SYMBOL

X

CONTINUE SWITCH CIRCUIT DOWN TO SWITCH AT BOTTOM OF STAIRS.

CPG DBA

A CLAYTON COMPANY

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EVERSTEAD 3741 NE TROON DR. LEES SUMMIT, MO 64064 816-399-4901

VERSION:

R5.02X6

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ELECTRICAL PLAN - UPPER LEVEL

GENERAL NOTES IRC 2018

PLANS SHALL COMPLY WITH 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.

A.2 LOADING ASSUMPTIONS

DEAD	
ROOF	

ROOF + CEILING (NO STORAGE) 15 PSF ROOF + CEILING (STORAGE) 20 PSF 10 PSF CEILING JOISTS (STORAGE) EXTERIOR BALCONY / DECK 10 PSF INTERIOR FLOOR (MAIN FLOOR) 15 PSF INTERIOR FLOOR (UPPER FLOORS) 10 PSF 8" THICK MASONRY WALL 96 PSF 6" THICK MASONRY WALL 72 PSF EXTERIOR LIGHT FRAMED WOOD WALLS 15 PSF INTERIOR LIGHT FRAMED WOOD WALLS 10 PSF (INTERIOR WALLS INCLUDED IN 15 PSF DEAD LOAD)

LIVE ROOF LIVE LOAD

FLOOR LIVE LOAD 40 PSF (HABITABLE) GARAGE 50 PSF WITH 2000 LB POINT LOAD STORAGE 20 PSF (UNINHABITABLE) **GUARDRAIL**

CONTINUOUS LINEAR MAXIMUM POINT 200 LBS

GROUND SNOW LOAD 20 PSF

VELOCITY 115 MPH **EXPOSURE CATEGORY**

SOIL AND SITE ASSUMPTIONS

- FOUNDATION DESIGN ASSUMES MINIMUM SOIL BEARING FOR THE SITE OF 1,500 PSF (2,000 PSF FOR KANSAS CITY, MO) UNLESS OTHERWISE NOTED. CONTRACTOR TO VISUALLY INSPECT THE SITE OR PROVIDE GEOTECHNICAL INVESTIGATION TO VERIFY MINIMUM ACCEPTABLE SOIL CONDITIONS FOR CL (SILTY CLAY) AS DEFINED BY 2018 IRC. THE CONTRACTOR IS RESPONSIBLE FOR ANY SOIL CONDITION THAT DOES NOT MEET THE MINIMUM REQUIREMENTS AND FOR CONTACTING THE ENGINEER OF
- ACCESSORY STRUCTURES WITH AN EAVE HEIGHT LESS THAN 10'-0" AND AN AREA LESS THAN 600 FT MAT PROVIDE A MINIMUM SOIL COVER OF 12 INCHES MEASURED FROM THE BOTTOM OF CONCRETE.
- LATERAL SOIL PRESSURES UNLESS OTHERWISE NOTED **ACTIVE** 60 PSF

AT REST 100 PSF

SITE GRADING SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM THE STRUCTURE AT A MINIMUM OF 0.5% (6" IN THE FIRST 10'-0"). ALTERNATE APPROACHES MAY BE APPROVED IF THE ALTERNATE DESIGN IS EQUIVALENT IN EFFECTIVENESS AND PERFORMANCE, AND PROVIDES FOR POSITIVE SITE DRAINAGE.

FOUNDATION NOTES

FOUNDATION ANCHORAGE (IRC R403.1.6)

- SILL PLATES SHALL BE BOLTED TO THE FOUNDATION WALL WITH A MINIMUM 1/2" DIAMETER ANCHOR BOLTS EMBEDDED AT LEAST 7" INTO THE CONCRETE.
- BOLTS SHALL BE SPACED NO GREATER THAN 6'-0" O.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 EQUALS A 9-1/4" LONG
- WALL BRACING METHODS (IRC R602) MAY REQUIRE ADDITIONAL ANCHORAGE.

C.2 CONCRETE SLABS

- CONCRETE SLABS PLACED ON FILL MATERIAL WHICH SHALL BE COMPARED TO ENSURE UNIFORM SUPPORT OF THE SLAB AND SHALL NOT EXCEED 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 PROFESSIONAL ENGINEER.
- SLABS AT MAX 4'-0" OVER-DIG ADJACENT TO FOUNDATION WALL:
 - WHERE SOIL IS EXCAVATED FOR A MAXIMUM DIMENSION OF 4'-0" 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'-0" OVER-DIG" DETAIL.

VAPOR RETARDER / BARRIER (IRC R506.2.3)

A 6 MILLIMETER 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 UNHEATED ACCESSORY BUILDINGS).

C.4 FOOTINGS

- THE BOTTOM OF ALL FOOTINGS SHALL EXTEND NOT LESS THAN 36" BELOW GRADE FOR FROST PROTECTION (IRC R403.1.4).
- FOOTINGS FOR FREESTANDING ACCESSORY STRUCTURES WITH AN AREA OF 600 SQ. FT. OR LESS AND AN EAVE HEIGHT OF 10'-0" OR LESS SHALL EXTEND BELOW GRADE A MINIMUM OF
- EXTERIOR WALLS, BEARING WALLS, COLUMNS AND PIERS SHALL BE SUPPORTED ON CONTINUOUS SOLID MASONRY OR CONCRETE FOOTINGS, OR APPROVED STRUCTURAL SYSTEM TO SAFELY SUPPORT THE IMPOSED LOADS AND SHALL BE SIZED AND REINFORCED IN ACCORDANCE WITH THIS STANDARD OR SHALL BE ENGINEERED DESIGN.
- FOOTINGS UNDER FOUNDATION WALLS SHALL BE CONTINUOUS AROUND THE STRUCTURE AND FROM ONE LEVEL TO THE NEXT.
- THE CONTINUOUS TRANSITIONS BETWEEN FOOTINGS AT DIFFERENT LEVELS ENCLOSING USABLE SPACE SHALL BE MADE BY APPROVED SOLID JUMPS OR SUPPORT SYSTEMS TO PROVIDE SAFE SUPPORT OF THE STRUCTURE.
- SEE "TYPICAL FOOTING/FOUNDATION WALLS/STANDARD SLAB AT MAXIMUM 4" OVER-DIG" AND "FOOTING JUMP" DETAILS.

C.5 CONCRETE

- ALL CONCRETE CONSTRUCTION SHOULD CONFORM TO ACI 318-14 (OR ACI 332) OR 2018 IRC.
- THE MINIMUM CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE AS SPECIFIED IN IRC TABLE R402.2.

C.5 CONCRETE (CONT.)

- CONCRETE MIX TO UTILIZE A MAXIMUM WATER-CEMENT MATERIALS RATIO OF 0.45 FOR ALL APPLICATIONS. ADMIXTURES SHALL NOT CONTAIN ANY CHLORIDES.
- CONCRETE POURED AGAINST AN EXISTING SURFACE SHOULD BE ROUGHENED TO A MINIMUM OF 1/4 INCH AMPLITUDE.
- REBAR PLACEMENT SHALL BE AS FOLLOWS:

WALLS, OR FLATWORK EXPOSED TO WEATHER

- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3.0 IN CLR CONCRETE EXPOSED TO EARTH OR WEATHER 1.5 IN CLR NOT EXPOSED TO WEATHER OR GROUND
 - 3/4 IN CLR SLABS, WALLS, JOISTS 1.5 IN CLR BEAMS, COLUMNS

CONCRETE MIX DESIGN SHALL BE 6% (±1%) AIR-ENTRAINED FOR GARAGE SLABS, FOOTINGS,

- SHORING AND SUPPORTING FORMWORK SHALL NOT BE REMOVED FROM HORIZONTAL MEMBERS BEFORE CONCRETE STRENGTH REACHES 70% OF STRENGTH DETERMINED BY CYLINDERS OR 28 DAYS.
- ALL FOUNDATION WALLS ENCLOSING BELOW GRADE SPACE SHALL BE DAMPPROOFED. THE DAMPPROOFING SHALL EXTEND FROM THE EDGE OF THE FOOTING TO THE FINISHED GRADE. (IRC R406.1)

C.6 CONCRETE WALLS WITH REINFORCEMENT STEEL

- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 40.
- SMOOTH BARS OR WELDED WIRE FABRIC SHALL CONFORM TO ASTM 185.
- 90 DEG. HOOK SHOWN IN DRAWINGS SHALL BE STANDARD PER ACI 318-14.
- STRAIGHT EXTENSION LENGTH = 12X BAR DIA BEND DIAMETER = 12X BAR DIA.

HOOKED DOWELS:

- HOOKED DOWELS FROM FOUNDATIONS TO WALL SHALL BE PROVIDED TO MATCH VERTICAL WALL REINFORCING AND EXTENDED TO 3" CLEAR FROM BOTTOM OF
- HOOKED DOWELS MATCH SLAB REINFORCING FROM SLAB TO WALLS OR SLAB TO
- PROVIDE (2) #5 BARS AROUND PERIMETER OF ALL SUSPENDED SLABS.
- WHERE SPLICES ARE NECESSARY IN REINFORCEMENT, THE LENGTH OF LAP SPLICE SHALL BE IN ACCORDANCE WITH TABLE R608.5.4(1) AND FIGURE R608.5.4(1). THE MAXIMUM GAP BETWEEN NONCONTACT PARALLEL BARS AT A LAP SPLICE SHALL NOT EXCEED THE SMALLER OF ONE-FIFTH THE REQUIRED LAP LENGTH AND 6 INCHES (152MM) [SEE FIGURE R608.5.4.(1)].
- TOP HORIZONTAL REINFORCEMENT SHALL BE PLACED WITHIN 12" FROM THE TOP OF THE
- HORIZONTAL WALL REINFORCEMENT SHALL TERMINATE AT THE END OF THE WALL WITH A STANDARD HOOK

C.7 COLD WEATHER CONCRETE

- COLD WEATHER IS DEFINED AS THREE CONSECUTIVE DAYS WHERE THE AVERAGE DAILY TEMPERATURE DROPS BELOW 40 DEGREES FAHRENHEIT AND NOT ABOVE 50 DEGREES FAHRENHEIT FOR MORE THAN HALF OF ANY ONE OF THOSE THREE DAYS.
- COLD WEATHER CONCRETE WORK SHALL CONFORM TO ACI 306.
- ALL MATERIALS AND EQUIPMENT REQUIRED FOR PROTECTION SHALL BE AVAILABLE AT THE PROJECT SITE BEFORE COLD WEATHER CONCRETING BEGINS.
- THE CONCRETE MIX DESIGN PROVIDED BY THE SUPPLIER SHALL AT A MINIMUM REACH THE AVERAGE 28 DAY MIX DESIGN COMPRESSIVE STRENGTH IN MINIMUM 72 HOURS OR 2000 PSI -WHICHEVER IS GREATER.
- THE TEMPERATURE OF CONCRETE AT PLACEMENT SHALL BE A MINIMUM OF 55 DEGREES
- THE MINIMUM CONCRETE TEMPERATURE AT THE TIME OF MIXING SHALL NOT BE BELOW 65
- ALL SNOW, ICE AND FROST MUST BE REMOVED PRIOR TO PLACING CONCRETE.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR CONCRETE AGAINST FREEZING AND MAINTAIN A CONCRETE TEMPERATURE OF 55 DEGREES FAHRENHEIT FOR A 72 HOUR PERIOD AFTER CONCRETE PLACEMENT. THIS MAY BE ACHIEVED WITH THE USE OF INSULATING BLANKETS AND/OR THE USE OF TEMPORARY HEATERS.
- GROUND TEMPERATURE AT THE TIME OF PLACEMENT OF SLAB OR FOOTINGS SHALL NOT BE LESS THAN 35 DEGREES FAHRENHEIT.
- INSULATION, FORMS AND HEATERS MAY BE REMOVED AFTER 72 HOURS .
- MAINTAIN ADEQUATE PROTECTION OF SUB GRADE AND ADEQUATE DRAINAGE AWAY FROM EXPOSED CONCRETE ELEMENT TO PREVENT FREEZING.

C.8 FOOTNOTES

- VERTICAL REINFORCEMENT FOR CONCRETE WALLS THAT ARE NOT FULL HEIGHT AND FOR REINFORCEMENT SPACED 24" O.C. MAY BE PLACED IN THE MIDDLE OF THE WALL. OTHER WALLS SHALL HAVE VERTICAL REINFORCEMENT PLACED AS FOLLOWS:
 - 8" WALL MINIMUM 2" FROM TENSION FACE
- 10" WALL MINIMUM 6-3/4" FROM THE OUTSIDE FACE EXTEND BARS TO WITHIN 8" OF THE TOP OF THE WALL
- HORIZONTAL REINFORCEMENT:
- ONE BAR SHALL BE PLACED WITHIN 12" OF THE TOP OF THE WALL
- OTHER BARS SHALL BE EQUALLY SPACED WITH SPACING NOT TO EXCEED 24" O.C. HORIZONTAL BARS SHOULD BE AS CLOSE TO THE TENSION FACE AS POSSIBLE
- (INTERIOR); AND BEHIND THE VERTICAL REINFORCEMENT (I.E. 2" FROM INSIDE FACE) SUPPLEMENTAL REINFORCEMENT AT CORNERS - PLACE 1 #4 REBAR 48" LONG AT 45 DEGREE ANGLE AT CORNERS OF OPENINGS. PLACE REINFORCEMENT WITHIN 6" OF THE EDGE OF INSIDE CORNERS.
- AT MASONRY LEDGES THE MINIMUM WALL THICKNESS SHALL BE 3-1/2". LEDGES SHALL NOT EXCEED 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.
- STRAIGHT WALLS MORE THAN 5'-0" TALL AND MORE THAN 16-0" LONG SHALL BE PROVIDED WITH EXTERIOR BRACED RETURN WALLS. WALL LENGTH SHALL BE MEASURED USING INSIDE THE SHORTEST DIMENSION BETWEEN INTERSECTING WALLS (SEE TYPICAL DEAD MAN SECTION).

MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE PER TABLE R402.2				
TYPE OR LOCATION OF CONCRETE CONSTRUCTION	MINIMUM SPECIFIED COMPRESSIVE STRENGTH (f'c) FOR SEVER WEATHERING POTENTIAL			
ASEMENT WALLS, FOUNDATIONS AND THER CONCRETE NOT XPOSED TO THE WEATHER	2,500			
ASEMENT SLABS AND INTERIOR SLABS ON RADE, EXCEPT GARAGE FLOOR SLABS	2,500			
ASEMENT WALLS, FOUNDATION WALLS, EXTERIOR VALLS AND OTHER VERTICAL CONCRETE WORK XPOSED TO THE WEATHER	3,000			
ORCHES, CARPORT SLABS AND STEPS XPOSED TO THE WEATHER,AND GARAGE LOOR SLABS	3,500			
USPENDED SLABS	4.000			

D. <u>FRAMING/STRUCTURE</u>

D.1 FRAMING NOTES

- ALL NON TREATED LUMBER SIZES ARE DOUGLAS FIR-LARCH #2 UNLESS OTHERWISE NOTED
- ALL TREATED/ROT RESISTANT LUMBER SIZES ARE #2 TREATED SOUTHERN YELLOW PINE,
 - UNLESS OTHERWISE NOTED. ALL UNMARKED HEADERS SHALL BE A MINIMUM #2 DOUGLAS FIR-LARCH (2) 2X10 ON LOAD
- BEARING WALLS.
- ALL HEADERS/BEAMS TO BEAR ON A MINIMUM OF (2) 2X4 JACK STUDS UNO. KING STUDS SHALL BE PROVIDED AT ALL HEADERS IN ACCORDANCE WITH IRC TABLE R602.7.5.
- DOUBLE JOIST UNDER PARALLEL INTERIOR NON-LOAD BEARING WALLS. CANTILEVERS, OVER BEAMS AND DOOR JAMBS SHALL BE BLOCKED.
- ANY WOOD MEMBER IN CONTACT WITH CONCRETE OR MASONRY (OR THE FURRING THEY ARE ATTACHED TO) SHALL BE OF DECAY RESISTANT MATERIAL.
- IN BEARING WALLS, STUDS WHICH ARE NOT MORE THAN 10'-0" FEET IN LENGTH SHALL BE SPACED NOT MORE THAN IS SPECIFIED IN IRC TABLE R602.3(5) FOR THE CORRESPONDING STUD SIZE. THOSE STUDS GREATER THAN 10'-0" FEET IN LENGTH SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT.
- ALL WOOD STRUCTUAL PANELS SHALL CONFORM TO THE MOST CURRENT APPLICABLE SPECIFICATION AND SUPPLEMENTS OF THE APA OR EQUIVALENT. ALL PANEL END JOINTS SHALL OCCUR OVER SUPPORTS AND SHALL BE STAGGERED ONE HALF PANEL LENGTH FROM ADJACENT PANELS. PROVIDE 1/8" INCH SPACE AT PANEL ENDS. WOOD STRUCTURAL PANEL MOISTURE CONTENT SHALL BE LESS THEN OR EQUAL TO 16%.
- ALL STRUCTURAL FRAMING MEMBERS SHALL BE AS FOLLOWS UNO:
- 2X4 OR 2X6 EXTERIOR WALLS AS PERMITTED BY CODE: DOUGLAS FIR-LARCH #2 (DF-L #2)
- BRACING IS SHOWN ON PLANS EXTERIOR OSB SHEATHING TO BE FASTENED WITH 8D COMMON NAILS; 6" O. C. AT PANEL
- EDGES, 12" O. C. IN THE FIELD. 2X4 OR 2X6 INTERIOR LOAD BEARING WALLS DF-L #2 OR BETTER.

EXTERIOR WALLS TO BE CONTINUOUSLY SHEATHED WITH MIN. 7/16" OSB., UNLESS

- LOAD BEARING, BRACED, AND SHEAR WALLS, REQUIRE A DOUBLE TOP PLATE. THE TOP
- PLY BEING FIELD APPLIED WITH A MIN. 24" LAP SPLICE FIELD APPLIED LAP SPLICED TOP PLATE: DF-L #2 OR BETTER
- LOAD BEARING HEADERS PER HEADER SCHEDULE OR AS SHOWN ON FRAMING PLANS. LOAD BEARING HEADERS TO BE FABRICATED WITH THE HEADER AT THE UNDER SIDE OF
- THE TOP PLATE WITH CRIPPLE FRAMING BELOW AS NEEDED UNO. INTERIOR NON LOAD BEARING WALLS: DF-L #2 STUD GRADE OR BETTER DOUBLE TOP PLATE IS NOT REQUIRED FOR INTERIOR NON LOAD BEARING WALLS
- HEADER CRIPPLE SPACING CAN BE 24" O. C. REGARDLESS OF WALL STUD SPACING FOR NON LOAD BEARING WALLS
- CRIPPLE FRAMING NOT REQUIRED ABOVE OR BELOW OPENINGS WHERE THE VERTICAL CLEAR HEIGHT IS 22" OR LESS FOR NON-LOAD BEARING WALLS.
- ALL LUMBER IN CONTACT WITH MASONRY OR OTHERWISE EXPOSED TO WEATHERING TO BE PRESSURE TREATED (PT).
- FIELD APPLIED SILL PLATE: TREATED LUMBER
- BOTTOM (SOLE) PLATE IN CONTACT WITH MASONRY: TREATED LUMBER
- ALL PRESSURE TREATED WOOD SHALL BE PRESSURE TREATED WITH WATER-BORNE PRESERVATIVES. PRESSURE TREATMENT SHALL COMPLY WITH THE REQUIREMENTS OF AWPB, C2, LP-22, AND IRC SECTION R317. ALL LUMBER < 8" ABOVE THE FINISHED GRADE SHALL BE PRESSURE TREATED.
- FASTENERS, INCLUDING NUTS AND WASHERS, FOR PRESSURE TREATED WOOD SHALL BE HOT-DIPPED, ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. COATING TYPES AND WEIGHTS FOR CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE IN ACCORDANCE WITH THE CONNECTOR MANUFACTURER'S RECOMMENDATIONS. IN THE ABSENCE OF MANUFACTURER'S RECOMMENDATIONS, A MIN. OF ASTM A653 TYPE G185 ZINC-COATED GALVANIZED STEEL, OR EQUIVALENT, SHALL BE USED. FOR EXCEPTIONS, REFER TO R317.3.1.

ENGINEERED LUMBER MIIMUM DESIGN REQUIREMENTS						
F _b (PSI)						
LVL	3100	1.9X10 ⁶	285			
DOUGLAS FIR-LARCH	900	1.6X10 ⁶	180			
GLU-LAM	2400	1.8X10 ⁶	230			

D.2 STRUCTURAL STEEL

- STEEL DESIGN, FABRICATION, AND ERECTION SHALL CONFORM WITH AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
- STEEL PIPE COLUMNS SHALL BE A MINIMUM OF SCHEDULE 40.
- STEEL GRADE AND SPECIFICATION SHALL BE AS FOLLOWS:
 - **HOLLOW STRUCTURAL SECTIONS:** CHANNELS, PLATES, ANGLES, AND COLUMNS: WIDE FLANGES: STEEL PIPE COLUMN
- ANCHOR RODS: BOLTS SHALL CONFORM TO ASTM A307
- WELDING SHALL CONFORM TO THE AWS CODES FOR BUILDING CONSTRUCTION, WELDING SHALL BE PERFORMED IN ACCORDANCE TO WELDING PROCEDURE SPECIFICATIONS (WPS) AS REQUIRED IN AWS D1.1. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLISHED BY THE FILLER-METAL MANUFACTURER.

ASTM A500 ($F_Y = 46 \text{ KSI}$)

ASTM A53 GR.B ($F_Y = 35$ KSI)

ASTM F1554 ($F_Y = 36 \text{ KSI}$)

ASTM A36 ($F_Y = 36 \text{ KSI}$) ASTM A992 (F_Y = 50 KSI)

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

<u>GLAZING</u>

- GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC R308.4 SHALL BE OF APPROVED SAFETY GLAZING MATERIALS.
- GLASS IN STORM DOORS: INDIVIDUAL FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE OF THE GLAZING IS WITHIN A 24" ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE FLOOR.
- GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF THE STAIRWAY WHERE THE GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 60 IN HORIZONTAL ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING SHALL BE CONSIDERED A HAZARDOUS LOCATION.

WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS, AND INDOOR OR

GLAZING IN WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, SPAS,

OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS

LESS THAN 60" MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE.

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

F. <u>STAIRWAYS</u>

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

EDGES OF THE TREADS.

EDGES OF THE TREADS.

- REQUIRED GUARD RAILS AT OPEN-SIDED WALKING SURFACES, INCLUDING STAIRS, PORCHES, BALCONIES, OR LANDINGS, SHALL NOT BE LESS THAN 36" HIGH MEASURED VERTICALLY ABOVE THE ADJACENT WALKING SURFACE.
 - EXCEPTION (1): GUARD RAILS ON THE OPEN SIDES OF STAIRS SHALL HAVE A HEIGHT NOT LESS THAN 34" MEASURED VERTICALLY FROM A LINE CONNECTING THE LEADING
 - EXCEPTION (2): WHERE THE TOP OF THE GUARD ALSO SERVES AS A HANDRAIL ON THE OPEN SIDES OF STAIRS, THE TOP OF THE GUARD SHALL NOT BE LESS THAN 34" AND NOT MORE THAN 38" MEASURED VERTICALLY FROM A LINE CONNECTING THE LEADING
- GUARD RAIL ENCLOSURES SHALL HAVE INTERMEDIATE RAILS OF ORNAMENTAL PATTERNS THAT DO NOT ALLOW PASSAGE OF A SPHERE 4" IN DIAMETER.
- EACH STAIRWAY OF FOUR OR MORE RISERS SHALL PROVIDE A CONTINUOUS HANDRAIL ON AT LEAST ONE SIDE BETWEEN 34" AND 38" ABOVE THE NOSING OF THE TREADS.
- HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION OF 1-1/4" TO 2" OR OTHER APPROVED GRASPABLE SHAPE PER IRC R311.7.8.5.
- ENCLOSED ACCESSIBLE SPACE UNDER STAIRWAYS SHALL HAVE WALLS AND THE UNDERSIDE OF THE STAIR AND LANDING PROTECTED WITH 1/2" GYPSUM BOARD ON ENCLOSURE PER IRC

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

GARAGES

- THE GARAGE FLOOR SHALL SLOPE 1/8" PER 12" TO DRAIN OR VEHICLE ENTRY DOORWAYS.
- DOORS BETWEEN THE GARAGE AND THE DWELLING TO BE: SELF CLOSING, MINIMUM 1-3/8" SOLID CORE OR HONEYCOMBED STEEL DOOR, AND AT LEAST 20 MINUTE FIRE RATED.
- THE GARAGE SHALL BE SEPARATED FROM THE DWELLING AND ITS ATTIC AREAS BY A MINIMUM 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE WHERE A FLOOR/CEILING SPACE IS PROVIDED ABOVE.
- THE GARAGE COLUMNS AND BEAMS SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED WITH 1/2" GYPSUM BOARD OR EQUIVALENT.
- WHERE HABITABLE SPACE OCCURS ABOVE THE GARAGE FLOOR/CEILING ASSEMBLY SHALL BE PROTECTED WITH A MINIMUM 5/8" TYPE "X" GYPSUM BOARD ON THE GARAGE CEILING.
- GARAGE DOOR AND FRAME THE "H" FRAME FOR THE ATTACHMENT OF THE TRACK AND COUNTER BALANCE SHALL CONSIST OF THE FOLLOWING: 2X6 VERTICAL JAMBS RUNNING FROM THE FLOOR TO CEILINGS, ATTACHED WITH 1-3/4" X 0.120" NAILS AT 7" O.C. STAGGERED WITH (7) 3-1/4" X 0.120" NAILS THROUGH THE JAMB INTO THE HEADER, 2X8 HEADER (MINIMUM) FOR ATTACHMENT OF COUNTER BALANCE SYSTEM.
- GARAGE VEHICLE DOORS AND FRAMES SHALL BE DESIGNED AND INSTALLED TO MEET THE 115 MPH WIND LOAD REQUIREMENT OF DASMA 108 AND ASTM E330-96 (IRC R301.2.1).

- THE ROOF IS DESIGNED FOR 20 PSF GROUND SNOW LOAD (MINIMUM).
- PROVIDE 2X SOLID BLOCKING SUPPORT BELOW ALL POINT LOADS CONTINUOUS TO BEARING STRUCTURE AND/OR FOUNDATION BELOW.
- ROOF IS ENGINEERED TO COMPLY WITH IRC R802.
- ROOF TO BE ASPHALT SHINGLES UNO AND SHALL COMPLY WITH IRC 2018 SECT. R905.2
- MINIMUM ROOF SLOPE FOR ASPHALT SHINGLES SHALL BE 2:12.
- ROOF SLOPES IN BETWEEN 2:12 AND 4:12 SHALL REQUIRE DOUBLE UNDERLAYMENT IN ACCORDANCE WITH IRC 2018 SECTION R905.2.2:

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

SAFETY REQUIREMENTS

I.1 EMERGENCY EGRESS AND RESCUE

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

BASEMENT EGRESS TO MEET THE REQUIREMENTS OF IRC R310. SMOKE AND CARBON MONOXIDE SAFETY (PER IRC R314)

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

(THE FOLLOIWNG SHALL APPLY UNLESS "ECA" SHEETS HAVE BEEN INCLUDED IN THE PLAN SET)

- LIGHTING FIXTURES PENETRATING THE THERMAL ENVELOPE SHALL BE IC-RATED, LEAKAGE RATED AND SEALED TO THE GYPSUM WALLBOARD AS REQUIRED PER IRC N1102.4.5.
- AIR HANDLERS SHALL BE RATED FOR MAXIMUM 2% AIR LEAKAGE RATE PER IRC N1103.3.2.1.

BUILDING FRAMING CAVITIES SHALL NOT BE USED AS DUCTS OR PLENUMS.

HOT WATER PIPES SHALL BE INSULATED AS REQUIRED PER IRC N1103.4. ALL EXHAUST FANS SHALL TERMINATE TO THE BUILDING EXTERIOR AS REQUIRED PER IRC

PROGRAMMABLE THERMOSTATS SHALL BE INSTALLED AS REQUIRED PER IRC N1103.1.1.

MAKEUP AIR SYSTEMS SHALL BE INSTALLED FOR KITCHEN EXHAUST HOODS THAT EXCEED 400 CFM AS REQUIRED PER IRC M1503.6.

EX

FV

FJ

FND

HDR

MAX

MIN

OC

PED

PCF

PSI

RAF

SIP

STL

TYP

PT

EXISTING

FTG FOOTING

FIELD VERIFY

FLOOR JOIST

FOUNDATION

HEADER

MAXIMUM

MINIMUM

ON CENTER

POUNDS PER CUBIC FOOT

POUNDS PER LINEAR FOOT

POUNDS PER SQURE INCH

PRESSURE TREATED

UNO UNLESS NOTED OTHERWISE

POUNDS PER SQUARE FOOT

STRUCTURAL INSULATED PANEL

PEDESTAL

RAFTER

STEEL

VERT VERTICAL

TYPICAL

NTS NOT TO SCALE

HORZ HORIZONTAL

FINISHED FLOOR

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

ABBREVIATIONS

BFF

COL

- ABOVE FINISHED FLOOR AΒ ANCHOR BOLT BM BEARING BELOW FINISHED FLOOR
- BOT BOTTOM BRACED WALL LINE CJ CEILING JOIST CLR CLEAR

COLUMN

CONC CONCRETE

- CMU CONCRETE MASONRY UNIT CXN CONNECTION CONT CONTINUOUS DOUBLE DIAMETER DIA
- EW **EACH WAY** EFF **EFFECTIVE ELEVATION** END CONDITION ENGINEER OF RECORD
- EΩ FQUAL **EQUIV EQUIVALENT** EFP EQUIVALENT FLUID PRESSURE

PE**-2**011000903 08/09/2024 EVERSTEAD 3741 NE TROON DRIVE, SUITE 200 LEE'S SUMMIT, MO 64064 everstead.com (816)399-490°

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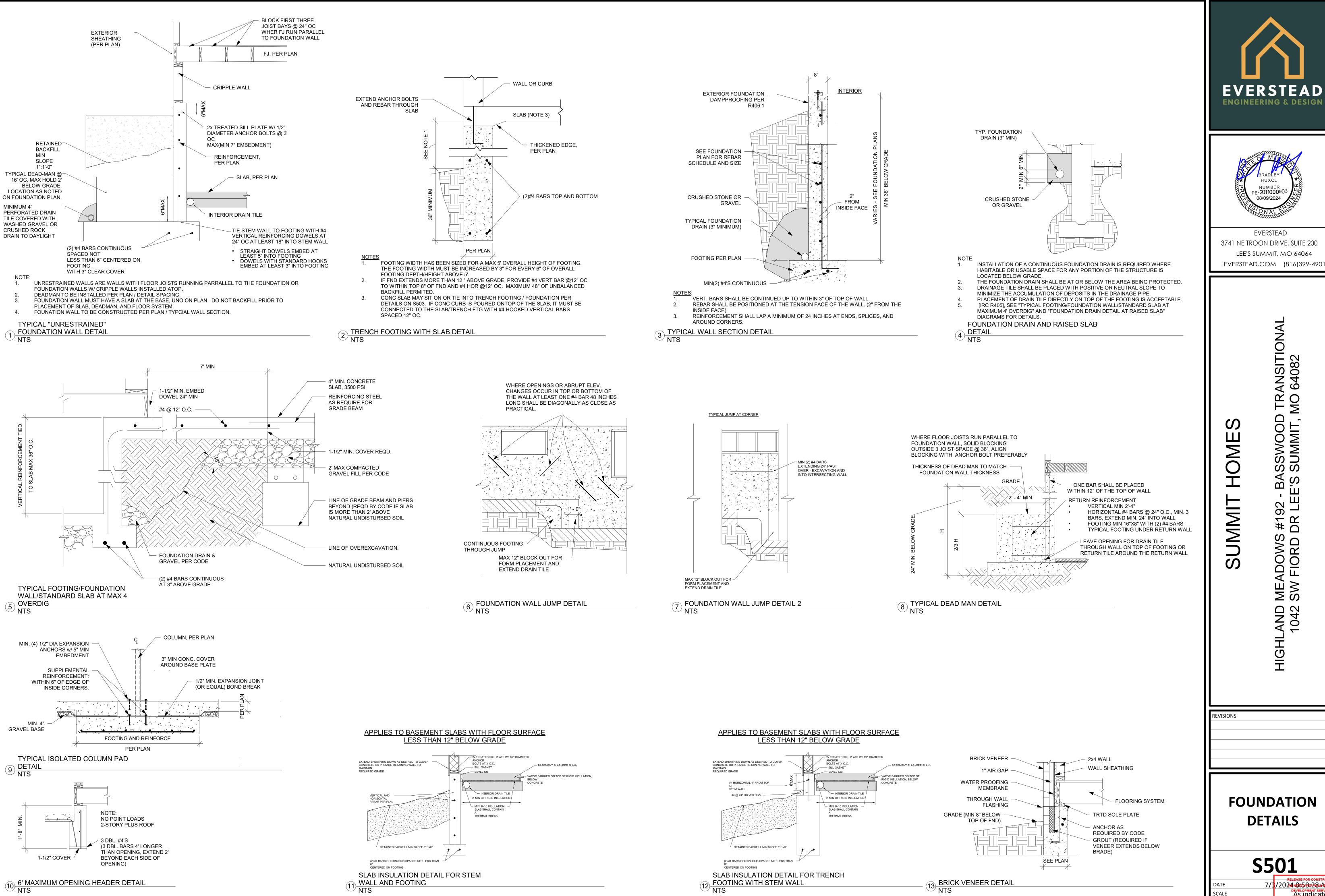
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08/21/2024

As indicated

GENERAL NOTES

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LEE'S SUMMIT, MO 64064

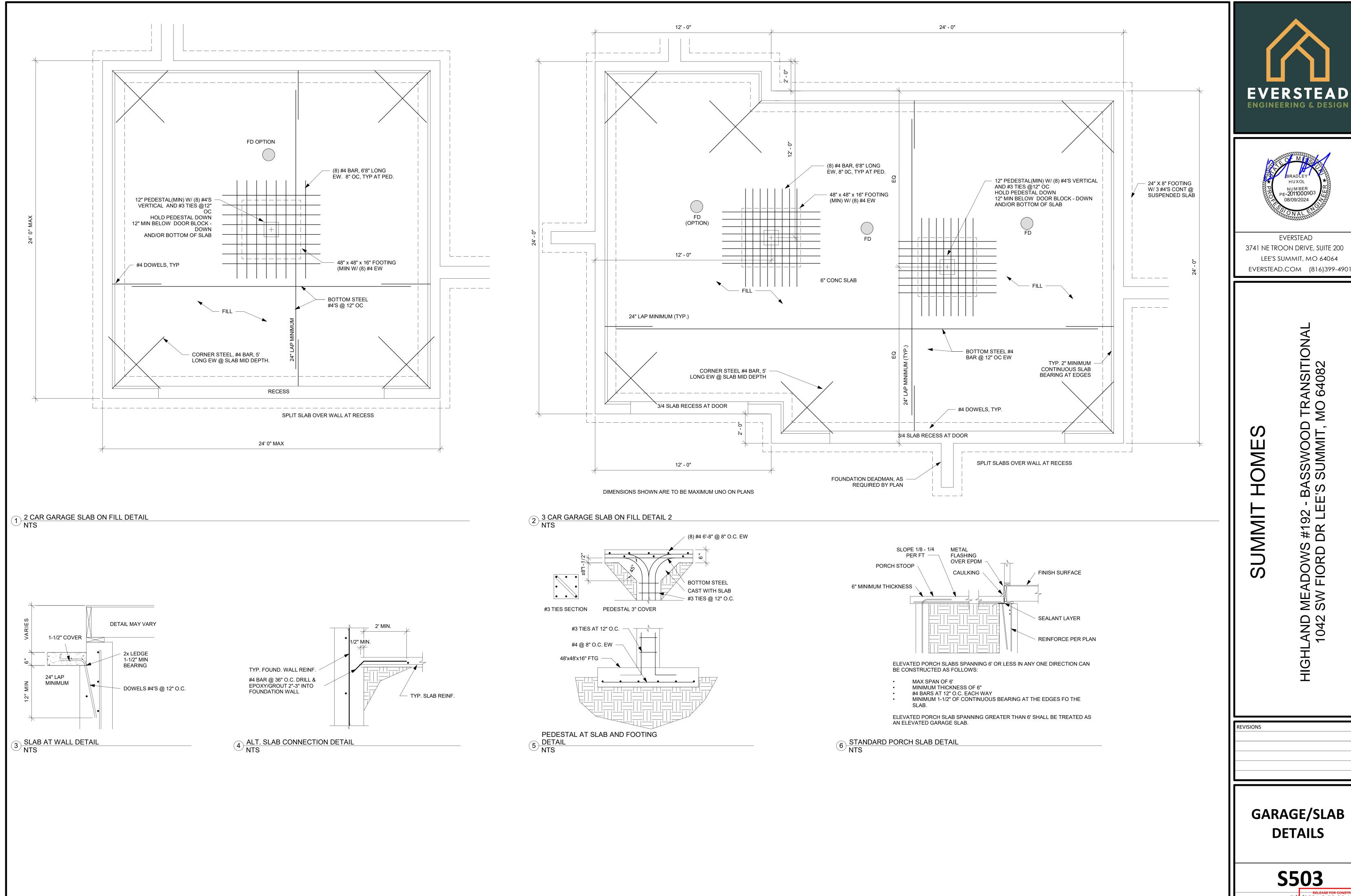
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FOUNDATION DETAILS

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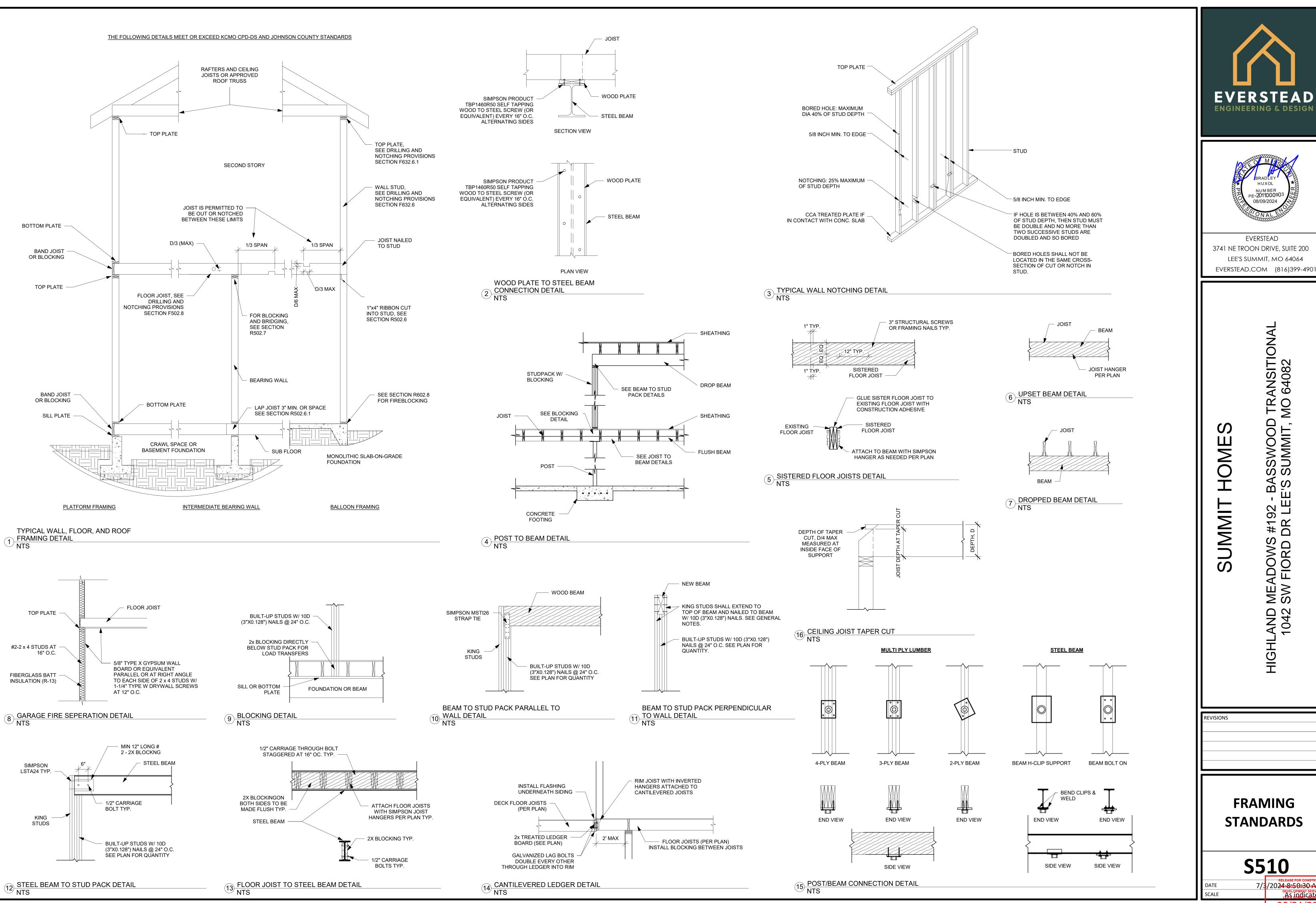


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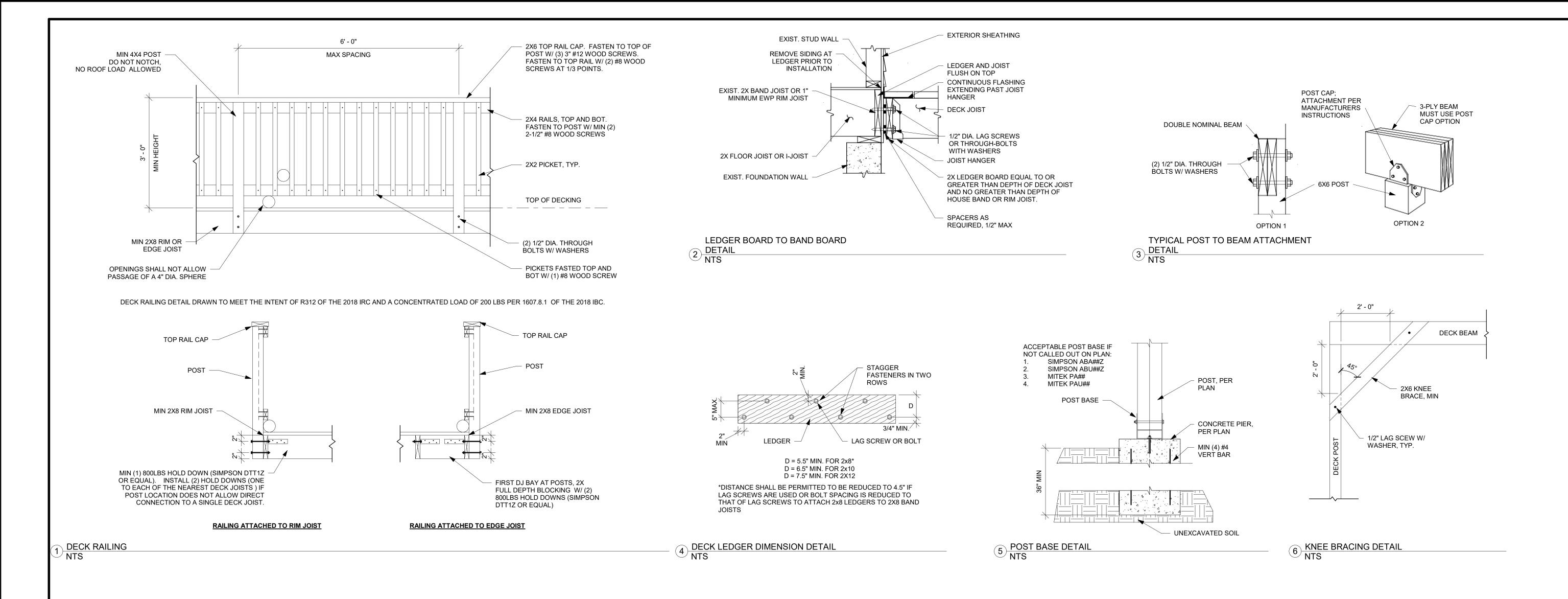


	TABLE R507.9.1.3(1) DECK LEDGER CONNECTION TO BAND JOIST (DECK LIVE LOAD = 40 PSF, DECK DEAD LOAD = 10 PSF, SNOW LOAD ≤ 40 PSF)							
JOIST SPAN								
	CONNECTION DETAILS	6' AND LESS	6'1" TO 8'	8'1" TO 10'	10'1" TO 12'	12'1" TO 14'	14'1" TO 16'	16'1" TO 1
		ON-CENTER SPACING OF FASTENERS (INCHES)					ES)	
	1/2" DIAMETER LAG SCREW WITH 1/2" MAXIMUM SHEATHING	30	23	18	15	13	11	10
	1/2" DIAMETER BOLT WITH 1/2" MAXIMUM SHEATHING	36	36	34	29	24	21	19
	1/2" DIAMETER BOLT WITH 1" MAXIMUM SHEATHING	36	36	29	24	21	18	16

DECK LEDGER CONNECTION TO BAND

JOIST (R507.9.1.3(1))

NTS

OME SUMMIT

ENGINEERING & DESIGN

NUMBER PE-2011000903 08/09/2024

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LEE'S SUMMIT, MO 64064

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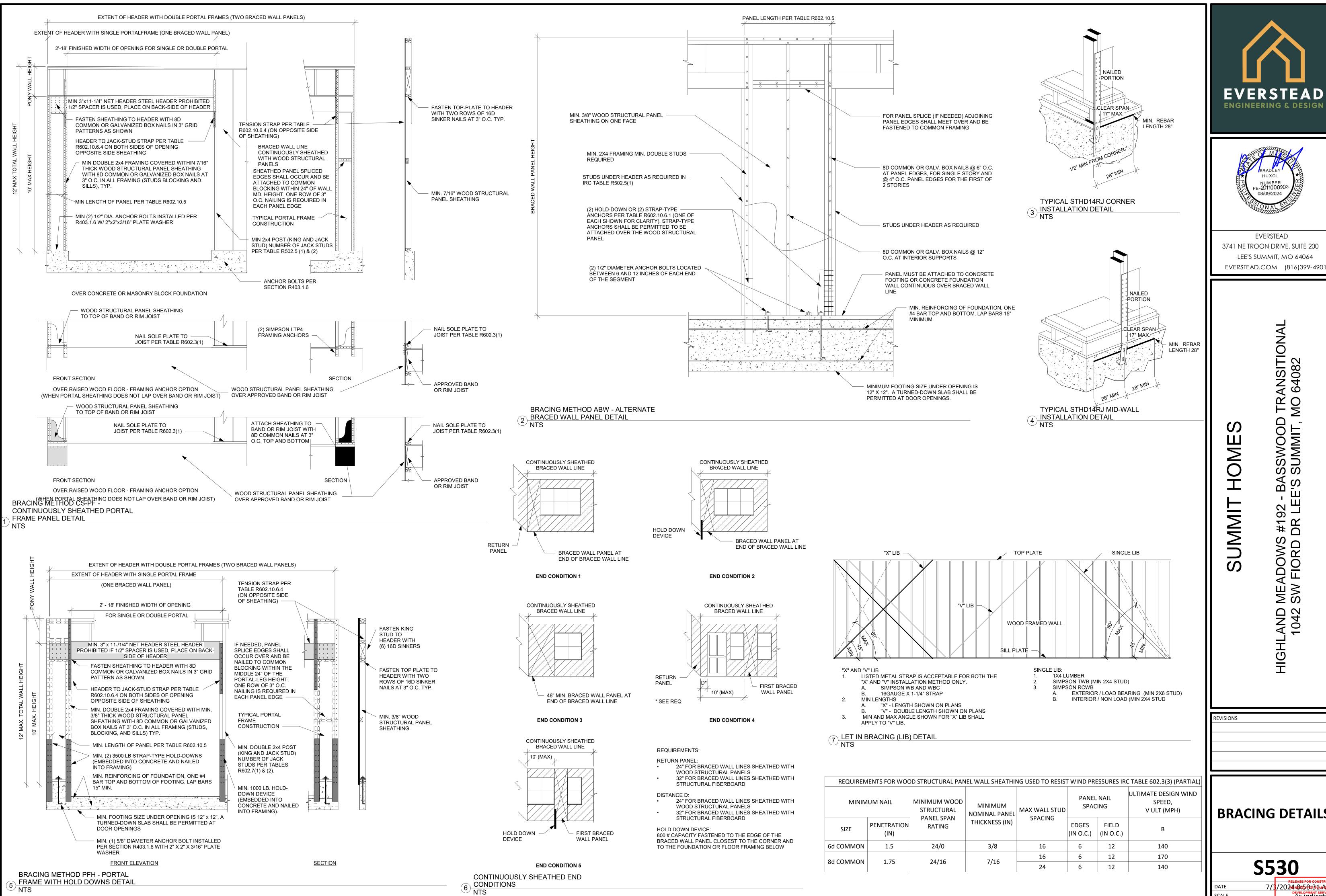
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S520

DECK DETAILS

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BRACING DETAILS

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	BRACING METHODS TABLE R602.			
METHODS, MATERIAL	MINIMUM	CONNECTION CRITERIA		
METHODO, MATERIALE	THICKNESS	FASTENERS	SPACING	
WSP - WOOD STRUCTURAL PANEL AND CS-WSP CONTINUOUSLY SHEATHED	3/8" PANEL W/ MINIMUM 24/0 STRUCTURAL PANEL SPAN RATING	6d COMMON NAILS (2.0" x .113") W/ MINIMUM 1.5" PENETRATION	6" EDGES, 12" FIELD	
WOOD STRUCTURAL PANEL	7/16" PANEL W/ MINIMUM 24/16 STRUCTURAL PANEL SPAN RATING	8d COMMON NAILS (2.5" x .131") W/ MINIMUM 1.75" PENETRATION	6" EDGES, 12" FIELD	
PFH - PORTAL FRAME WITH HOLD-DOWNS	3/8"	SEE DETAIL ON THIS PAGE	SEE DETAIL ON THIS PAGE	
PFG - PORTAL FRAME AT GARAGE	3/8"	SEE IRC SECTION R602.10.6.3	SEE IRC SECTION R602.10.6.3	
LIB LET-IN-BRACING	1x4 WOOD OR APPROVED METAL	WOOD: 2-8d COMMON NAILS OR 3-8d (2-1/2" LONG x .113" DIA.) NAILS	WOOD: PER STUD AND TOP AND BOTTOM PLATES	
	STRAPS AT 45 TO 60 DEGREE ANGLES FOR MAX 16" STUD SPACING	SIMPSON WB/WBC INSTALLED IN "X" PAIRS OR IN OPPOSING "V" FASHION AND FASTENED W/ (2) 16d COMMON NAILS FOR PLATE AND (1) 8d COMMON NAIL FOR STUDS	METAL: PER STUD AND TOP AND BOTTOM PLATES	
		1/2" INTERIOR SHEATHING W/ STUDS AT 16" O.C.: 13 GAGE, 1-3/8" LONG, 19/64" HEAD; .098" DIA., 1-1/4" LONG, ANNULAR-RINGED; 5d COOLER NAIL, .086" DIA., 1-5/8" LONG, 15/64" HEAD; OR GYPSUM BOARD NAIL, .086" DIA. 1-5/8" LONG, 9/32" HEAD PER TABLE R702.3.5 (SEE TABLE FOR OTHER PANEL THICKNESS OPTIONS)	FOR ALL BRACED WALL PANEL LOCATIONS: 7" EDGES (INCLUDING TOP AND BOTTOM PLATES) 7" FIELD	
GB-GYPSUM BOARD	1/2"	EXTERIOR 1/2" SHEATHING: 1-1/2" GALVANIZED ROOFING NAIL; STAPLE GALVANIZED, 1-1/2" LONG; 1-1/4" SCREWS, TYPE W OR S PER TABLE R602.3(1)		
		EXTERIOR 5/8" SHEATHING: 1-3/4" GALVANIZED ROOFING NAIL; STAPLE GALVANIZED, 1-5/8" LONG; 1-5/8" SCREWS, TYPE W OR S PER TABLE R602.3(1)		

DESCRIPTION OF BUILDING MATERIALS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION OF FASTENERS	
	ROOF		
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	4-8d BOX (2-1/2"x0.113") OR 3-8d COMMON (2-1/2"x0.131") OR 3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS	TOE NAIL	
CEILING JOISTS TO PLATE	4-8d BOX (2-1/2"x0.131") OR 3-8d COMMON (2-1/2"x0.131") OR 3-10 BOX (3"x0.128") OR 3-3"x0.131" NAILS	TOE NAIL	
CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTER LAPS OVER PARTITIONS	4-10d BOX (3"x0.128") OR 3-16d COMMON (3-1/2"x0.162") OR 4-3"x0.131" NAILS	FACE NAIL	
COLLAR TIE TO RAFTER, FACE NAIL OR 1-1/4"x20 GAGE RIDGE STRAP	4-10d BOX (3"x0.128") OR 3-10d COMMON (3"x0.148") OR 4-3"x0.131" NAILS	FACE NAIL EACH RAFTER	
RAFTER OR ROOF TRUSS TO TOP PLATE, TOE NAIL	4-16d BOX (3-1/2"x0.135") OR 3-10d COMMON (3"x0.148") OR 4-10d BOX (3"x0.128") OR 4-3"x0.131" NAILS	2 TOE NAILS ON ONE SIDE AND 1 TOE NAIL ON OPPOSITE SIDE OF EACH RAFTER OR TRUSS	
ROOF RAFTERS TO	4-16d BOX (3-1/2"x0.135") OR 3-10d COMMON (3"x0.148") OR 4-10d BOX (3"x0.128") OR 4-3"x0.131" NAILS	TOE NAIL	
RIDGE, VALLEY OR HIP RAFTERS	3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162") OR 3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS	END NAIL	
	WALL		
STUD TO STUD (NOT	16d COMMON (3-1/2"x0.162")	24" O.C. FACE NAIL	
AT BRACED WALL PANELS)	10d BOX (3"x0.128") OR 3"x0.131" NAIL	16" O.C. FACE NAIL	
STUD TO STUD AND ABUTTING STUDS AT INTERSECTION WALL CORNERS	16d BOX (3-1/2"x0.135") OR 3"x0.131" NAIL	12" O.C. FACE NAIL	
(AT BRACED WALL PANELS)	16d COMMON (3-1/2"x0.162")	16" O.C. FACE NAIL	
BUILT-UP HEADER, TWO PIECES	16d COMMON (3-1/2"x0.162")	16" O.C. EACH EDGE FACE NAIL	
WITH 1/2" SPACER	16d BOX (3-1/2"x0.135")	12" O.C. EACH EDGE FACE NAIL	
CONTINUOUS HEADER TO STUD	5-8d BOX (2-1/2"x0.113") OR 4-8d COMMON (2-1/2"x0.131") OR 4-10d BOX (3"x0.128")	TOE NAIL	
	16d COMMON (3-1/2"x0.162")	16" O.C. FACE NAIL	
TOP PLATE TO TOP PLATE	10d BOX (3"x0.128") OR	40" O C FACE NAU	
	3"x0.131" NAIL 8-16d COMMON (3-1/2"x0.162") OR 12-16d BOX (3-1/2"x0.135") OR	12" O.C. FACE NAIL FACE NAIL ON EACH SIDE OF	
DOUBLE TOP PLATE SPLICE	12-10d BOX (3"x0.128") OR 12-3"x0.131" NAILS	END JOINT (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)	
BOTTOM PLATE TO JOIST, RIM JOIST,	16d COMMON (3-1/2"x0.162")	16" O.C. FACE NAIL	
BAND JOIST, OR BLOCKING (NOT BRACED WALL PANELS)	-16d BOX (3-1/2"x0.135") OR 3"x0.131" NAIL	12" O.C. FACE NAIL	
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST, OR BLOCKING (AT BRACED WALL PANELS)	3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162") OR 4-3"x0.131" NAILS	3 EACH 16" O.C. FACE NAIL 2 EACH 16" O.C. FACE NAIL 4 EACH 16" O.C. FACE NAIL	
TOP OR BOTTOM PLATE TO STUD	4-8d BOX (2-1/2"x0.113") OR 3-16d BOX (3-1/2"x0.135") OR 4-8d COMMON (2-1/2"x0.131") OR 4-10d BOX (3"x0.128") OR 4-3"x0.131" NAILS	TOE NAIL	
	3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162") OR 3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS	END NAIL	
TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	3-10d BOX (3"x0.128") OR 2-16d COMMON (3-1/2"x0.162") OR 3-3"x0.131" NAILS	FACE NAIL	
1" BRACE TO EACH STUD AND PLATE	3-8d BOX (2-1/2"x0.113") OR 2-8d COMMON (2-1/2"x0.131") OR 2-10d BOX (3"x0.128") OR 2 STAPLES 1-3/4"	FACE NAIL	
1"x6" SHEATHING TO EACH BEARING	3-8d BOX (2-1/2"x0.113") OR 2-8d COMMON (2-1/2"x0.131") OR 2-10d BOX (3"x0.128") OR 2 STAPLES, 1" CROWN, 16 GA., 1-3/4" LONG	FACE NAIL	
1"x8" AND WIDER SHEATHINGTO	3-8d BOX (2-1/2"x0.113") OR 3-8d COMMON (2-1/2"x0.131") OR 3-10d BOX (3"x0.128") OR 3 STAPLES, 1" CROWN, 16 GA., 1-3/4" LONG		
EACH BEARING	WIDER THAN 1"x8": 4-8d BOX (2-1/2"x0.113") OR 3-8d COMMON (2-1/2"x0.131") OR	FACE NAIL	

DESCRIPTION OF BUILDING MATERIALS	NUMBER AND TYPE OF FASTENER		AND LOCATION STENERS	
	FLOOR			
JOIST TO SILL, TOP PLATE, OR GIRDER	4-8d BOX (2-1/2"x0.113") OR 3-8d COMMON (2-1/2"x0.131") OR 3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS	TOE NAIL		
DIM JOICE DAND JOICE OD	8d BOX (2-1/2"x0.113")	4" O.C. TOE NAIL		
RIM JOIST, BAND JOIST OR BLOCKING TO SILL OR TOP PLATE (ROOF APPLICATIONS ALSO)	8d COMMON (2-1/2"x0.131") OR 10d BOX (3"x0.128") OR 3"x0.131" NAIL	6" O.C. TOE NAIL		
1"x6" SUBFLOOR OR LESS TO EACH JOIST	3-8d BOX (2-1/2"x0.113") OR 2-8d COMMON (2-1/2"x0.131") OR 3-10d BOX (3"x0.128") OR 2 STAPLES, 1" CROWN, 16 GA., 1-3/4" LONG	FACE NAIL		
2" SUBFLOOR TO JOIST OR GIRDER	3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162")	BLIND AND FACE NAIL		
2" PLANKS (PLANK & BEAM-FLOOR & ROOF)	3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162")	AT EACH BEARING FACE NAIL		
BAND OR RIM JOIST TO JOIST	3-16d COMMON (3-1/2"x0.162") OR 4-10d BOX (3"x0.128") OR 4-3"x0.131" NAILS OR 4 3"x14 GA. STAPLES, 7/16" CROWN	END NAIL		
	20d COMMON (3"x0.128")	NAIL EACH LAYER AS FOLLOWS: 3 O.C AT TOP END AND BOTTOM AN STAGGERED.		
BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS	10d BOX (3"x0.128") OR 3"x0.131" NAIL	24" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSI SIDES		
	AND: 2-20d COMMON (4"x0.192") OR 3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS	FACE NAIL AT ENDS AND AT EAC SPLICE		
LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	4-16d BOX (3-1/2"x0.135") OR 3-16d COMMON (3-1/2"x0.162") OR 4-10d BOX (3"x0.128") OR 4-3"x0.131" NAILS	AT EACH JOIST OR RAFTER, FAC NAIL		
BRIDGING OR BLOCKING TO JOIST	2-10d BOX (3"x0.128") OR 2-8d COMMON (2-1/2"x0.131") OR 2-3"x0.131" NAILS	EACH END, TOE NAIL		
DESCRIPTION OF BUILDING MATERIALS	NUMBER AND TYPE OF FASTENER	EDGES (IN)	INTERMEDIATE SUPPORTS (IN)	
F	LLS, SUBFLOOR, ROOF AND INTERIOR WALL SP PARTICLEBOARD WALL SHEATHING TO FRAMIN OOD STRUCTURAL PANEL EXTERIOR WALL SP	G		
. ,	6d COMMON (2"x0.113") NAIL (SUBFLOOR,			
3/8" - 1/2"	WALL) OR 8d COMMON (2-1/2"x0.131") NAILS (ROOF) OR RSRS-01 (2-3/8"x0.113") NAIL (ROOF)	6	12	
19/32" - 1"	8d COMMON NAIL (2-1/2"x0.131") OR RSRS-01 (2-3/8"x0.113") NAIL (ROOF)	6	12	
1-1/8" - 1-1.4"	10d COMMON (3"x0.148") NAIL OR 8d (2-1/2"x0.131") DEFORMED NAIL	6	12	
	OTHER WALL SHEATHING			
1/2" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING			6	
25/32" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING			6	
2" GYPSUM INTERIOR COVERING (R702.3.5) 1-1/2" GALVANIZED ROOFING NAIL: STAPLE GALVANIZED, 1-1/2" LONG; 1-1/4" SCREWS, TYPE "W" OR "S"		7	7	
5/8" GYPSUM INTERIOR COVERING (R702.3.5)	1-3/4" GALVANIZED ROOFING NAIL: STAPLE GALVANIZED, 1-5/8" LONG; 1-5/8" SCREWS, TYPE "W" OR "S"	7	7	
WOOD STRUCTURAL	PANELS, COMBINATION SUBFLOOR UNDERLA	YMENT TO FRAMIN	IG	
3/4" AND LESS	6d DEFORMED (2"x0.120") NAIL OR 8d COMMON (2-1/2"x0.131") NAIL	6	12	
		6	12	





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HOMES

SUMMIT

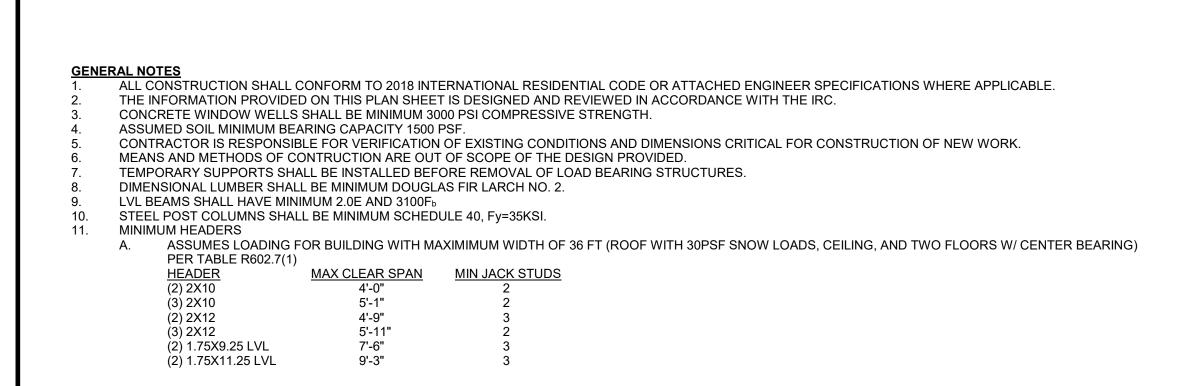
FASTENING SCHEDULE

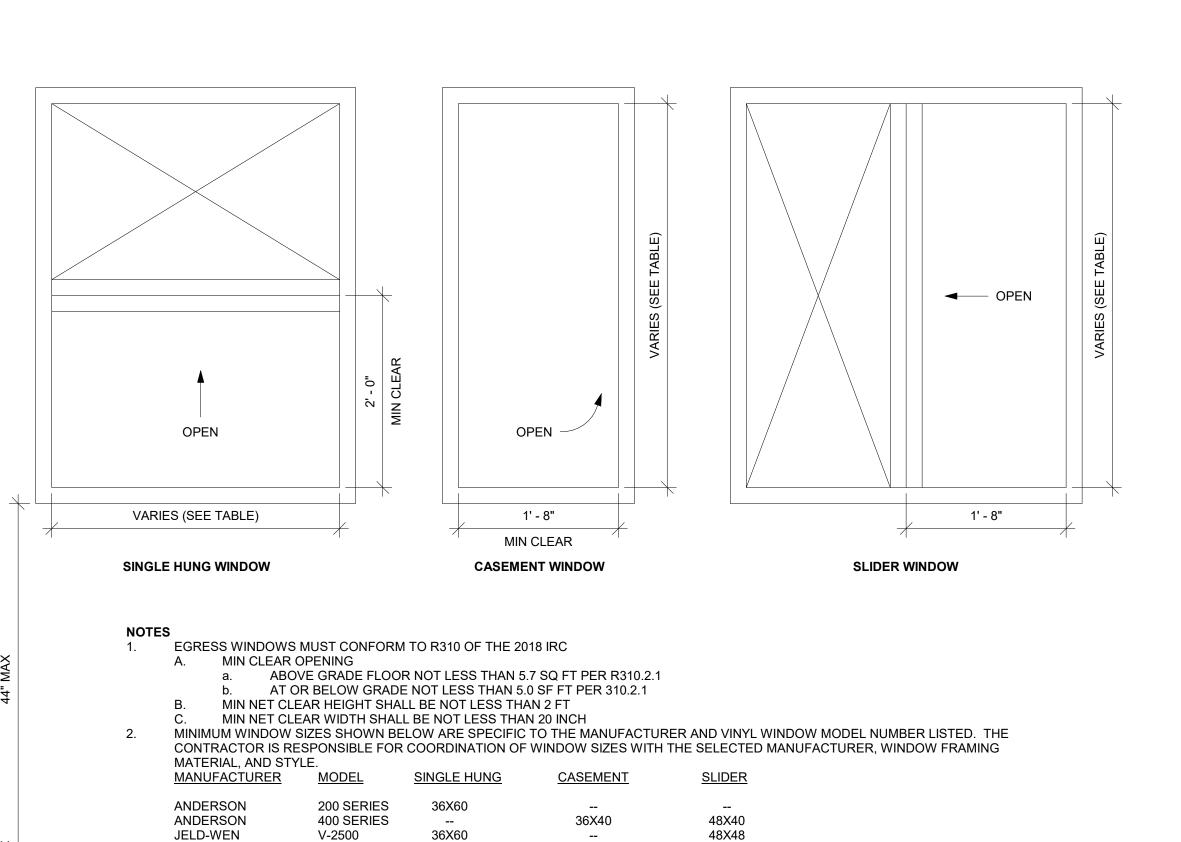
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DEVELOPMENT SERVICES
LEPT SUMMIT, MISSOURI 08/21/2024





36X48

36X42

48X48

V-4500

250 SERIES

150 SERIES

36X60

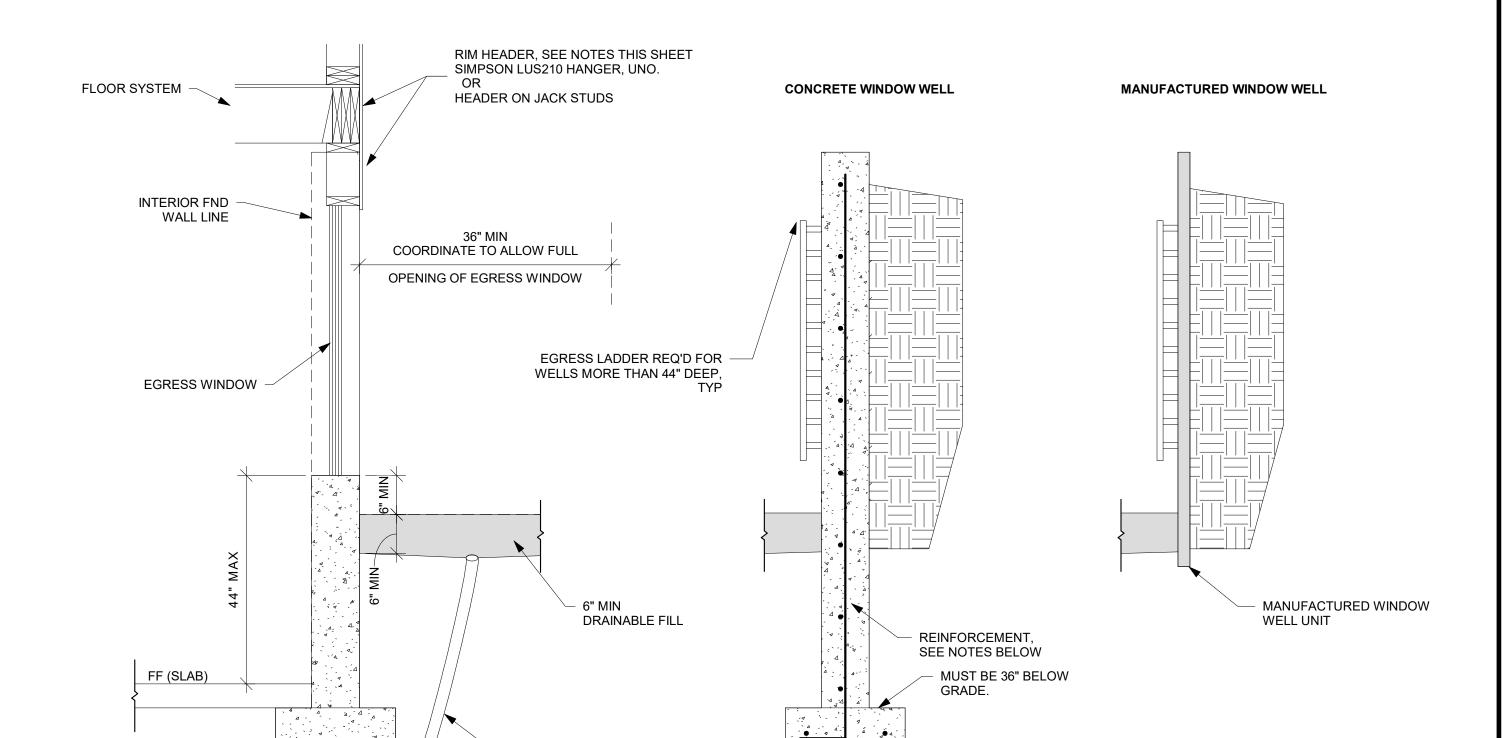
JELD-WEN

PELLA

PELLA

FF ELEV

WINDOW EGRESS (NTS)



WINDOW WELL MUST MEET REQUIREMENT IN R310.2.6 OF THE IRC AND LOCALLY ADOPTED CODE CONCRETE WINDOW WELL

INTALLED WITH NEW FOUNDATION POUR WINDOW WELL MONOLITHICALLY WITH ADJACENT FND WALL. REINFORCEMENT

MATCH ADJACENT WALL REINFORCEMENT, SEE PLANS B. INSTALLED TO EXISTING FOUNDATION

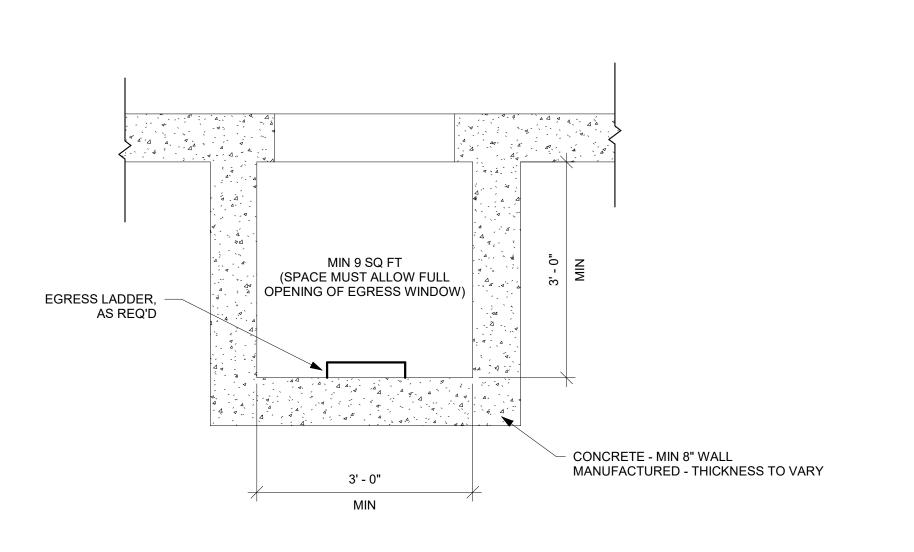
a. REINFORCEMENT #4 BAR @ 12" OC EW IN WALLS DRILL AND EXPOY HOR BAR INTO EX FND, MIN 6" EMBEDMENT INTO EX FND WALL.

4" DRAIN TO FND TILE DRAIN LINE

(2) #4 BAR CONT IN WALL FTG. b. SEAL WHERE NEW CONCRETE IS POURED AGAINST EX FND WITH MASTIC STRIPS OR OTHER WATER STOP MATERIAL. MANUFACTURED WINDOW WELL

INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS COORDINATE DEPTH OF WELL WITH WINDOW AND MANUFACTURER REQUIREMENTS.

SECTION



PLAN

WINDOW WELL FOR EGRESS (NTS)

SUMMIT

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LEE'S SUMMIT, MO 64064

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S560

RELEASE FOR CONSTRUCTION
7/3/2024 NSUS DUS 24 AMEN DEVELOPMENT SERVICES

EGRESS

WINDOWS

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