

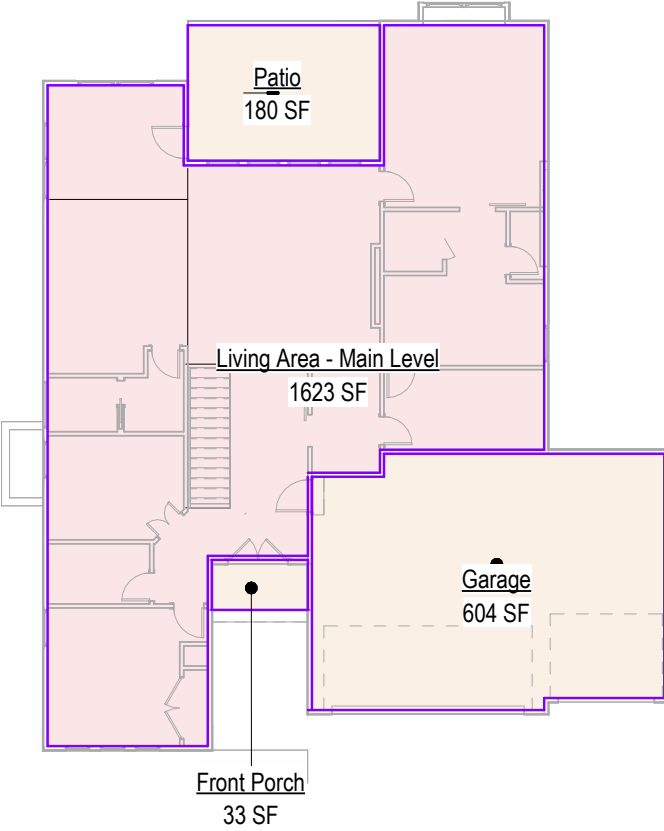
SOMERSET

Address :Lot 128 Hook Farms, 2502 SW Tracker Ln, Lee's Summit, MO.

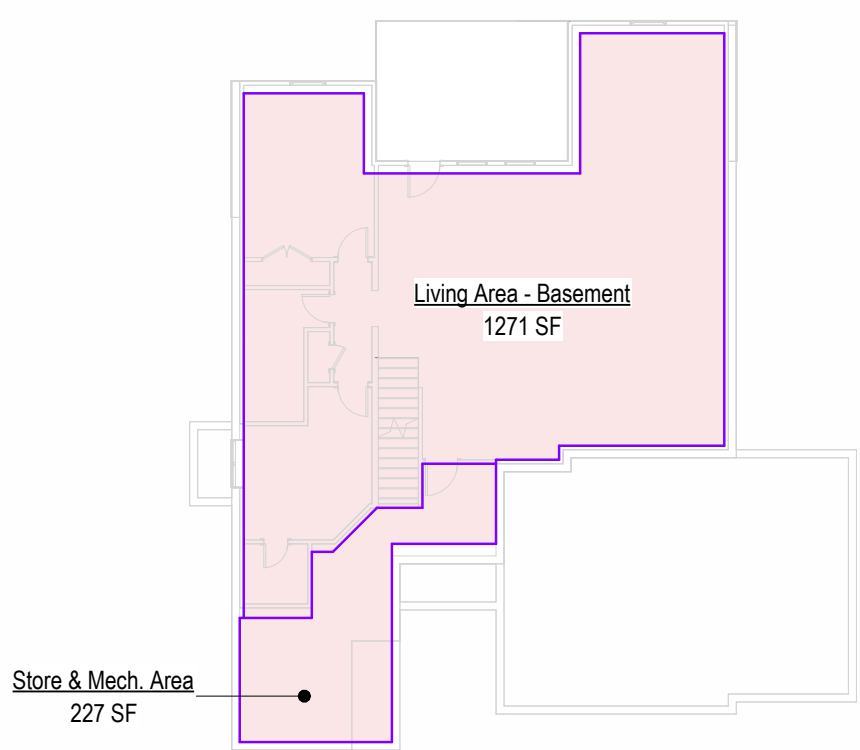
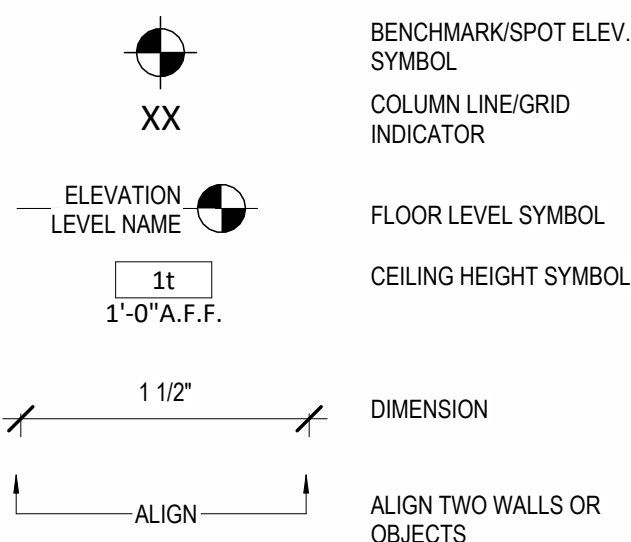
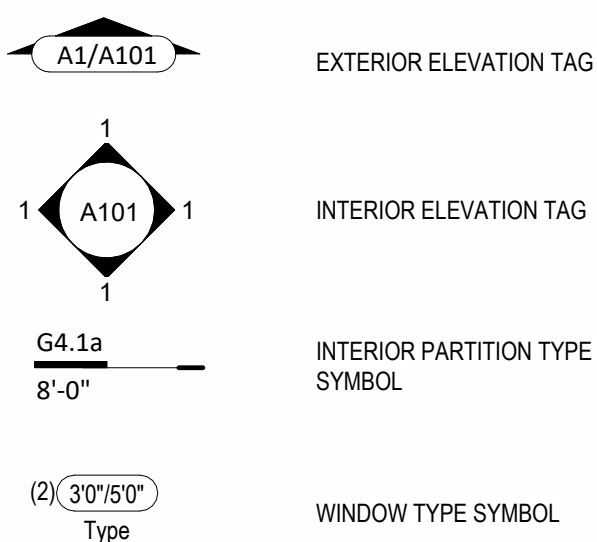
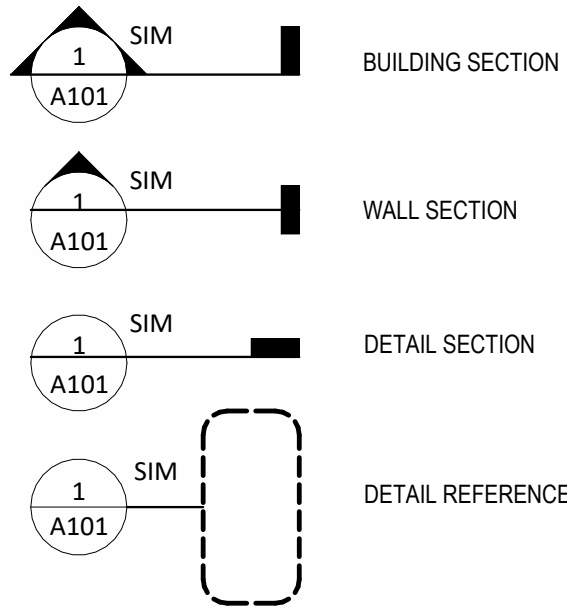


1 Front View

Areas	
Front Porch	33 SF
Patio	180 SF
Garage	604 SF
Exterior Area	818 SF
Living Area - Basement	1271 SF
Living Area - Main Level	1623 SF
Total Finished Area	2894 SF
Store & Mech. Area	227 SF
Total Unfinished Area	227 SF



5 Main Level Area Plan
1/16" = 1'-0"



4 Basement Area Plan
1/16" = 1'-0"

NOTES:
1. PROVIDE MOISTURE RESISTANT GWB IN WET AREAS
2. EXTEND ALL FIRE RATED WALLS STRUCTURE TO STRUCTURE.
3. USE TYPE "X" GWB FOR ALL FIRE RATED PARTITIONS
4. REFER TO ELEVATIONS FOR LOCATIONS WHERE WALL IS NOT FULL HEIGHT. IN THESE CASES CAP THE TOP OF THE WALL WITH A LAYER OF 1/2" GYPSUM BOARD U.N.O.

PARTITION SYSTEM:
GYPSUM WALL BOARD PARTITION

G

PARTITION IDENTIFICATION PLAN SYMBOL	G4	G6
BASE PARTITION THICKNESS	4.5"	6.5"
STUD SPACING (O.C.)	16"	16"
STUD SIZE	2x4	2x6
GWB THICKNESS	1/2"	1/2"
JOINT SEALANTS	No	No
INTERIOR LOAD BEARING WALL	No	No
FIRE RATING (HRS)	-	-
FIRE TEST NUMBER	-	-
FIRE TEST NUMBER (HEAD OF WALL)	-	-
FIRE RESISTIVE JOINTS	-	-
ACOUSTIC RATING (STC)	-	-
ACOUSTICAL TEST NUMBER	-	-
INSULATION	No	No
ACOUSTICAL JOINTS	-	-
REMARKS:	* SEE NOTE #4	* SEE NOTE #4

NOTES:
1. REFER TO ELEVATIONS FOR LOCATIONS WHERE WALL IS NOT FULL HEIGHT. IN THESE CASES CAP THE TOP OF THE WALL WITH A LAYER OF 1/2" GYPSUM BOARD U.N.O.

PARTITION SYSTEM:
GYPSUM FURING PARTITION

F

PARTITION IDENTIFICATION PLAN SYMBOL	F4
BASE PARTITION THICKNESS	4"
STUD SPACING (O.C.)	16"
STUD SIZE	2x4
GWB THICKNESS	1/2"
JOINT SEALANT	No
FIRE RATING (HRS)	-
FIRE TEST NUMBER	-
FIRE TEST NUMBER (HEAD OF WALL)	-
FIRE RESISTIVE JOINTS	-
ACOUSTIC RATING (STC)	-
ACOUSTICAL TEST NUMBER	-
INSULATION	No
ACOUSTICAL JOINTS	-
REMARKS:	* SEE NOTE #1

NOTES:
1. REFER TO ELEVATIONS FOR LOCATIONS WHERE WALL IS NOT FULL HEIGHT. IN THESE CASES CAP THE TOP OF THE WALL WITH A LAYER OF 1/2" GYPSUM BOARD U.N.O.

PARTITION SYSTEM:
Exterior Partition

E

PARTITION IDENTIFICATION PLAN SYMBOL	E4
BASE PARTITION THICKNESS	4"
STUD SPACING (O.C.)	16"
STUD SIZE	2x4
GWB THICKNESS	1/2"
JOINT SEALANT	Yes
FIRE RATING (HRS)	-
FIRE TEST NUMBER	-
FIRE TEST NUMBER (HEAD OF WALL)	-
FIRE RESISTIVE JOINTS	-
ACOUSTIC RATING (STC)	-
ACOUSTICAL TEST NUMBER	-
INSULATION	Yes
ACOUSTICAL JOINTS	-
REMARKS:	* SEE NOTE #1

General Information

- Whole House Mechanical Ventilation System is required for any dwelling with air infiltration at a rate of less than 5 air changes per hour (at ACH50 standard R303.4).
- Carbon monoxide detectors required (R315)
- Steel columns shall be minimum schedule 40 (R507.2)
- Deck Ledger attachment to house shall be per Tables 507.9.1.3.
- New provisions for attachment of rafters, trusses and roof beams. (R802.3 and R802.11)
- Programmable thermostat required (N1103.1.1)
- Air handlers shall be rated for Maximum 2% air leakage rate (N1103.2.2.1)
- Building cavities used as return air plenums shall be sealed to prevent leakage across the thermal envelope. (N1103.2.3)
- Certain hot water pipes shall be insulated (N1103.4)
- All exhaust fans shall terminate to the building exterior (M1507.2)
- Makeup air system required for kitchen exhaust hoods that exceed 400 CFM M1503.4
- Building cavities in a thermal envelope wall (including the wall between the house and garage) shall not be used as return air plenums (unless the required insulation and air barrier are maintained) (M1601.1.1.#7.5)
- An air handling system shall not serve both the living space and the garage (M1601.6)
- A concrete-Encased grounding electrode ("UFER Ground") connection complies with the requirements of the 2018 IRC Section E3608.1.2 in providing a connection with no less than the required minimum of steel
- Compliance with the requirements and show connection as needed for roof beam, trus, rafter, and girder connections for uplift per IRC 802.11
- DASMA 115 MPH Rated Garage doors
- Compliant with the Physical Security Ordinance in the Kansas City Building and Rehabilitation Code, section 329 (Information Bulletin 161).
- Compliant with the requirements of section 308 of the 2018 IRC for safety glazing.
- Studs will be continuous from floor to ceiling diaphragm/Roof as per 2018 IRC 602.3

2018 IRC BUILDING CODE COMPLIANCE
THESE DRAWINGS HAVE BEEN PREPARED WITH RESPECT TO COMPLIANCE OF THE 2018 IRC AND NEC 2017 ANY REFERENCES FOUND NOT CORRECTLY IDENTIFIED TO THESE CODES SHALL BE BROUGHT TO THE ATTENTION OF SSIONAL THE DESIGN PROFESSIONAL

2018 ITC EXERTY CONSERVATION CODE (2018-CH 11) DOORS, & WINDOWS:	
SKYLIGHTS:	U-0.35 MAX (HEAT GAIN MAX 0.25)
ATTIC CEILINGS:	U-0.55 MAX
WOOD FRAME WALLS:	R-49 MIN.
FLOOR (OVER UNHEATED):	R-19 MIN.
SLAB ON GRADE:	R-10 FOR 24" IN
VAULTED CEILINGS:	R-38 (SEE DETAIL)
CRAWL SPACE:	R-10
BASEMENT WALLS:	R-10 CONT OR R-13 CAVITY
DUCTWORK:	R-8
FUEL FIRED FURNACE:	90% AFUE MIN.
ELECTRIC FURNACE:	NO MINIMUM
COOLING SYSTEM:	13 SEER MIN.
WATER HEATER:	
GAS FIRED STORAGE:	0.67 EF MIN
GAS FIRED INSTANT:	0.62 EF MIN
ELECTRIC STORAGE:	0.97 EF MIN
ELECTRIC INSTANT:	0.93 EF MIN

AN ENERGY EFFICIENT CERTIFICATE IS REQUIRED TO BE POSTED IN OR ON THE ELECTRICAL PANEL BEFORE FINAL INSPECTION. THE CERTIFICATE WILL BE PROVIDED WITH ALL NEW RESIDENTIAL PERMITS. IT IS THE PERMIT HOLDER/CONTRACTOR'S RESPONSIBILITY TO ENSURE THE CERTIFICATE HAS ACCURATE INFORMATION & IS POSTED BEFORE FINAL INSPECTION. OWNER/CONTRACTOR IS RESPONSIBLE FOR MEETING THE PRESCRIPTIVE REQUIREMENTS OF IRC CHAPTER 11 UNLESS A HERS INDEX ANALYSIS FOR PERFORMANCE COMPLIANCE BASED ON THE PLANS IS SUBMITTED TO THE AHJ FOR APPROVAL.

Sheet List	
00	Cover
A101	Foundation Plan
A102	Floor Plan - Basemenn Level
A103	Floor Plan - Main Level
A104	Floor Plan - Roof Plan
A201	Elevations
A202	Elevations



SOMERSET
Address :Lot 128 Hook Farms, 2502 SW Tracker Ln, Lee's Summit, MO.

RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/27/2024

Original Issue Date:	24/03/27	
REVISIONS		
Number	Description	Date



MAY 13, 2024

PLAN DESCRIPTION: Cover

00

Project No.

architect:
Elevate Design + Build
350 SW Longview Blvd
Lee's Summit, MO 64081
816.622.8826 voice
www.elevatedesignbuildkc.com

A circular professional seal for Aaron A. Brown, a Registered Architect in the State of Missouri. The seal features the text "STATE OF MISSOURI" at the top, "AARON A. BROWN" in the center, "NUMBER A-7215" below the name, and "REGISTERED ARCHITECT" at the bottom. A stylized outline of the state of Missouri is visible in the background.

REVISIONS

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Number	DESCRIPTION	DATE
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DRAWING TITLE

Foundation Plan

DATE ISSUED	NORTH
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NORTH

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A101

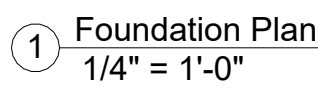
Foundation Notes:

FOOTINGS/FOUNDATION & CONCRETE NOTES:

1. TO ADDRESS DIFFERENTIAL SETTLEMENT, ALL INTERIOR BEARINGS AND EXTERIOR WALLS & PILES TO BE CONSTRUCTED WITH 1/2" MINIMUM UNIFORMED NATURAL SLOPE.
2. EXISTING TO BE REMOVED PILE MIN. 36" BEHIND BEARING GRADE.
3. DESIGN IS BASED ON COMB. OF 2,500 PSI. COMB. STRENGTHS TO ACHIEVE THE FOLLOWING PSI FOR GARAGE FLOOR:
 - 1,000 PSI FOR FOOTINGS, FOUND WALLS & VERT. SUPPORTS
 - 3,500 PSI FOR GARAGE FLOOR.
4. CONCRE. EXPOSED TO WEATHER TO HAVE 24%+ I/A AIR ENTRAINMENT
5. PROVIDE #1 (MIN) CONC. SLAB REIN. WITH 12" O.C. E-W, TOP REIN. OVER PERISTEES AT 18" O.C. WITH #7 (E-W) AT 12" O.C. E-W. PLACE OVER #6 VAPOR BARRIER
6. REINFORCE EXTERIOR FOOTINGS WITH #4 E-W REIN. REINFORCE (2) IN CONT. AT BOTTOM
7. PROVIDE #14 X 48" @ 45-DEGREES @ REINVENTOR CORNERS
8. 12"X24" LATH ASHTRAY ANCHOR BOLTS @ 48" O.C. @ 6" LATH
9. ANCHOR PRESSURE TREATED PILES TO INT. BEARING WALLS W/ 12" X 42" LATH @ 12" O.C. WITH #2 O.C. MAX. 12" FROM EDGES
10. PROVIDE 2" LARS MIN. IN ALL WALLS
11. INSTALL HOLDDOWN BOLT & ANCHORAGE AS INDICATED ON PLAN
12. PROVIDE BITUMINOUS DRIP-PROOFING AT FOUNDATION WALLS
13. SOIL BEARING CAPACITY IS NOT ASSUMED TO BE MORE THAN 2,000 PSF IN THE CURRENT FOUNDATION DESIGN. ALL COMPACTED FILL AREAS REQUIRE A SPECIAL INSPECTION

STEEL COLLUMS & OTHER BASEMENT FOUNDATION NOTES

1. ALL STEEL PIPE COLLUMS TO BE 7' OR 11' TO 15' OF 45 DEGREE
2. INTER. BEARING WALLS & COLLUMS SHALL BE ISOLATED FROM THE BASEMENT FLOOR SLAB
3. INTER. NON-BEARING WALLS OTHER THAN THOSE RESTING DIRECTLY ON THE FOOTING, SHALL BE ISOLATED FROM THE FLOOR FINISHING ABOVE
4. AT WALKOUT FOUNDATION, ISOLATE THE SLAB FROM THE FOUNDATION WALL TO 2 FEET BEYOND THE OVERSIDE AREA WITH #4 BARS AT 12 INCHES OC. PERPENDICULAR AND PARALLEL TO THE WALL, MAXIMUM 4 FOOT OVERSIDE AT WALKOUTS THE FOUNDATION WALL, SHALL BE INSULATED W/ MINIMUM R-8 INSULATION FOR A MIN OF 3 FEET BELOW THE BOTTOM OF THE WALL
5. WHEREVER JOISTS ARE PARALLEL TO THE WALL, ISOLATION OF THE WALL SHALL BE SUPPORTED SUPERIORLY AT LEAST TO BEYOND THE MINIMUM OF TWO JOIST SPACES, SPACED NOT MORE THAN 4 FEET OC.

[illegible]

architect:
Elevate Design + Build
350 SW Longview Blvd
Lee's Summit, MO 64081
816.622.8826 voice
www.elevatedesignbuildkc.com

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AFFIXED, THIS DOCUMENT IS PRELIMINARY AND IS NOT INTENDED FOR
CONSTRUCTION, RECORDING PURPOSES OR IMPLEMENTATION



MAY 13, 2024

REVISIONS

Number	DESCRIPTION	DATE
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PROJECT

DRAWING TITLE

Floor Plan - Basemenn Level

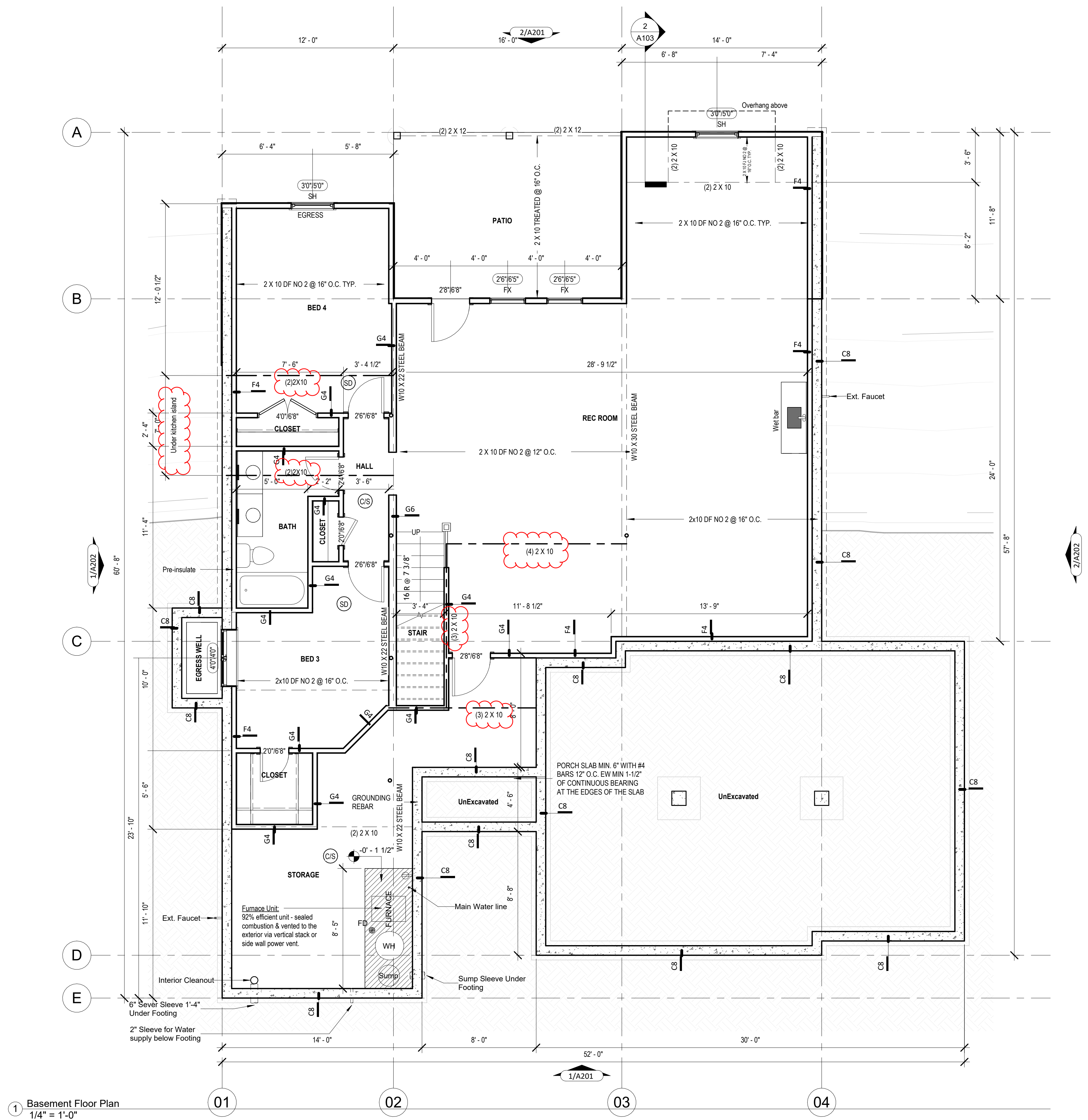
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NORTH



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A102





SOMERSET

General Notes:

- DOORS AND WINDOW
- ALL GLAZING WITHIN 12" OF THE FINISHED FLOOR, ADJACENT TO DOORS - 24" AND WITHIN DOORS, ABOVE BATHTUBS TO BE SAFETY TYPE GLASS AND LABELED SUCH AS IN COMPLIANCE W/ SECTION 308 OF THE IRC.
 - SHOWER DOORS SHALL HAVE SAFETY GLAZING. HINGED SHOWER DOORS SHALL SWING OUTWARD.
- GARAGES:
- GARAGE SEPARATION WALL TO BE 1-HR CONST. W/ MIN. 3/8" TYPE X GWB, EXTENDS TO BOTTOM OF ROOF. DOOR TO BE 20-MIN RATED, 1-3/8" S.C. & EQUIPPED W/ CLOSURE & LATCH.
 - 15 & 20-AMP RECEPTACLES SHALL HAVE GFCI PROTECTION.
 - TYPE X 5/8" GB REQUIRED ON GARAGE CEILING BELOW LIVING AREAS.
- LIGHT AND VENTILATION:
- PROVIDE STAIRWAY ILLUMINATION PER R303.7.2.
 - CABLE VENT & MASHROOM VENTS TO PROVIDE A MIN. OF 10 S.F. NET FREE OF ATTIC VENTILATION.
 - FURNACES ENCLOSED IN A ROOM LESS THAN 100 S.F. SHALL BE PROVIDED WITH A MEANS OF COMBUSTION MAKE-UP AIR AS DETERMINED/CALCULATED AND PRESCRIBED BY MECH. CONTRACTOR.
 - VENTILATE KITCHENS AND LAUNDRY ROOMS PER R303.3.
 - PROVIDE MIN. 16" x 10" SOFFIT VENTS ALONG LEAVE SPACED EVENLY W/ NO MORE THAN 6" O.C.
- GYPSUM BOARD:
- GWB APPLIED TO CEILINGS SHALL BE 16" WHEN FRAMING MEMBERS ARE 16" O.C. OR 5/8" WHEN MEMBERS ARE 24" O.C. OR USE 1/2" SAG-RESISTANT GYP. CEILING BOARD.
- MECHANICAL SYSTEMS
- FURNACE & WATER HEATER SHALL BE ON 18" PLATFORMS IN CEILING IN A GARAGE OR ROOM W/ DIRECT ACCESS TO A GARAGE.
 - PROVIDE MIN. 75% AFUE FOR WEATHERIZED GAS HEATING EQUIP. 80% FOR NON-WEATHERIZED.
 - PROVIDE MIN. 13 SEER FOR AIR CONDITIONING EQUIPMENT.
 - SUPPLY AND RETURN DUCTS SHALL BE INSULATED TO MIN. R-8.
- ELECTRICAL SYSTEMS
- PROVIDE UNDERGROUND ENCASED IN CONCRETE FOOTING.
 - ALL ELECTRICAL CONDUCTORS SHALL BE COPPER.
 - RECEPT. IN THE FOLLOWING LOCATIONS SHALL BE GFCI PROTECTED:
 - BEDROOM, KITCHEN (WITHIN 6 FEET OF SINK), GARAGE, SHED, EXTERIOR, UNFINISHED BASEMENT & HEATED FLOORS.
 - ALL BRANCH CIRCUITS THAT SUPPLY 120-V. SHINGLE PHASE, 15 & 20 AMP OUTLETS INSTALLED IN:
 - BEDROOMS, SUNROOMS, REC ROOMS, CLOSETS, HALLWAYS, & SIM. ROOMS SHALL BE PROTECTED BY A COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
 - ALL 15 & 20-A RECEPT. SHALL BE LISTED TAMPER-RESISTANT.
 - EXCEPTION: RECEPTACLES IN THE FOLLOWING LOCATIONS SHALL NOT BE REQUIRED TAMPER-RESISTANT:
 - RECEPTACLES LOCATED MORE THAN 5.5 FEET AFF.
 - WHERE SUCH RECEPTACLES ARE LOCATED IN SPACES DEDICATED FOR THE APPLIANCE SERVED & UNDER CONDITIONS OF NORMAL USE, THE APPLIANCES ARE NOT EARLY MOVED. APPLIANCES TO BE CORN-PLUG CONNECTED TO RECEPT.
- EXTERIOR WALL FRAMING
- BOTTOM SILL PLATES SHALL BE PRESSURE TREATED OR EQUAL.
 - SILL PLATES SHALL BE EXTENDED MIN. 6 INCHES ABOVE GRADE.
 - ALL EXT. STUDS TO BE SECURED TO THEIR DOUBLE TOP PLATES W/ (2) 16-d NAILS (MIN).
 - ALL EXTERIOR CORNERS TO BE BRACED WITH 7/16" OSB NAILING SCHEDULE SHALL BE AS COMMON @ 6" O.C. ALONG EDGES & COMMON @ 12" O.C. @ INTERMEDIATE STUDS.
- ROOF FRAMING
- ALL ROOF EAVESOVERHANGS TO BE 16" UNO.
 - ALL JOISTS & RAFTERS TO BE ALIGNED OVER SLDS.
 - ROOF SHEATHING SHALL BE 7/16" OSB LAD W/ LONG DIMENSION PERPENDICULAR TO DAVE LINE & STAGGERED 48" O.C. W/ LONG DIMENSION PERPENDICULAR TO DAVE LINE & STAGGERED 48" O.C. W/ GALLY SPACER CLIPS ALONG ALL EDGES. SECURE SHEATHING W/ 4" COMMON NAILS TO RAFTERS AT 7" O.C. C. ALL EDGES.
- UNFINISHED BASEMENT REQUIREMENTS
- FIRE PROTECTION OF FLOORS: FLOOR ASSEMBLIES CONSTRUCTED W/ JOISTS LESS THAN 2X10 DIMENSIONAL LUMBER.
 - JOISTS OR OPEN WEB JOISTS OVER UNFINISHED BASEMENTS SHALL BE PROVIDED WITH 5/8" GWB.
 - UNFINISHED BASEMENTS SHALL BE MIN. R-13 INSULATED WALL OR INSULATED ON FLOORCEILING (MIN R-19).
 - ALL EXPOSED HVAC DUCTING IN UNFINISHED BASEMENTS TO BE MIN R-8 INSULATED OR ENCLOSED INSIDE A LOCKER/CLIN.
 - UNFINISHED BASEMENTS SHALL HAVE NO CONDITIONED AIR OUTLETS.
- EROSION CONTROL:
- EROSION CONTROL MEASURES SHALL BE IN PLACE & IN GOOD WORKING ORDER AT ALL TIMES DURING INSPECTIONS. IN THE EVENT THAT THEY ARE NOT, THE INSPECTOR MAY CANCEL THE INSPECTION UNTIL SUCH TIME THE EROSION CONTROL MEASURES ARE IN PLACE. A FINE, NO INSPECTION FEE & STOP-WORK ORDER MAY BE ISSUED IF EROSION CONTROL IS NOT ADDRESSED. MINIMUMS INCLUDE:
 - A. SILT FENCE OR STRAW BATTLE AROUND ALL DISTURBED SOIL. SHALL BE IN PLACE BEFORE ANY EXCAVATION BEGINS.
 - B. TEMPORARY GRAVEL CONSTRUCTION ENTRANCE. THIS ENTRANCE SHOULD BE THE ONLY ENTRANCE & EXIT USED FOR VEHICLES INTO & OUT OF THE SITE.
 - C. STREETS SHALL BE MAINTAINED FREE OF ALL SOIL & GRAVEL IN A BROOD CLEAN CONDITION AT ALL TIMES.
- WOOD FRAMING, FLOORS AND ROOF NOTES:
- EXT. WALL FRAMING TO BE 2 x 4 (SYP OR DFL STUD GRADE 2 OR BETTER) @ 16" O.C.
 - ROOF SHEATHING TO BE 7/16" OSB NAILED W/ 8d @ 6" O.C. PANEL INDEX 240; PROVIDE CLIPS AT UNSUPPORTED HANG EDGES.
 - SHEATH EXT. WALLS W/ 7/16" OSB NAILED W/ 8d @ 6" O.C.
 - HEADERS: PROVIDE 2 x 4 (SYP OR DFL #2 OR BETTER) UNO. CONSTRUCT HEADERS W/ 2 x 3 & 7/16" OSB BETWEEN W/ (2) ROWS OF 16d @ 16" O.C.
 - BLOCKING MIN. 1.5 INCHES UTILITY GRADE LUMBER JOISTS TO BE SUPPORTED AT ENDS FULL DEPTH SOLID BLOCKING NOT < 2 INCHES.
 - I & J, J, C, J & RAFTERS TO BE SYP OR DFL GRADE #2 OR BETTER.
 - EXT. WALL STUDS & LOAD BEARING WALLS TO BE CONTINUOUS FROM FLOOR TO ROOF/CEILING DIAPHRAGM PER IRC 602.3.
 - STUDS, RAFTERS JOISTS, MIS. LUMBER MIN. GRADE #2 D.F. OR S.Y.P.
- PHYSICAL SECURITY ORDINANCE
- OWNER/BUILDER IS RESPONSIBLE FOR COMPLIANCE OF PHYSICAL SECURITY ORDINANCE FOR THEIR LOCAL JURISDICTION.

architect:
Elevate Design + Build
350 SW Longview Blvd
Lee's Summit, MO 64081
816.622.8826 voice
www.elevatedesignbuildkc.com



MAY 13, 2024

REVISIONS

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PROJECT

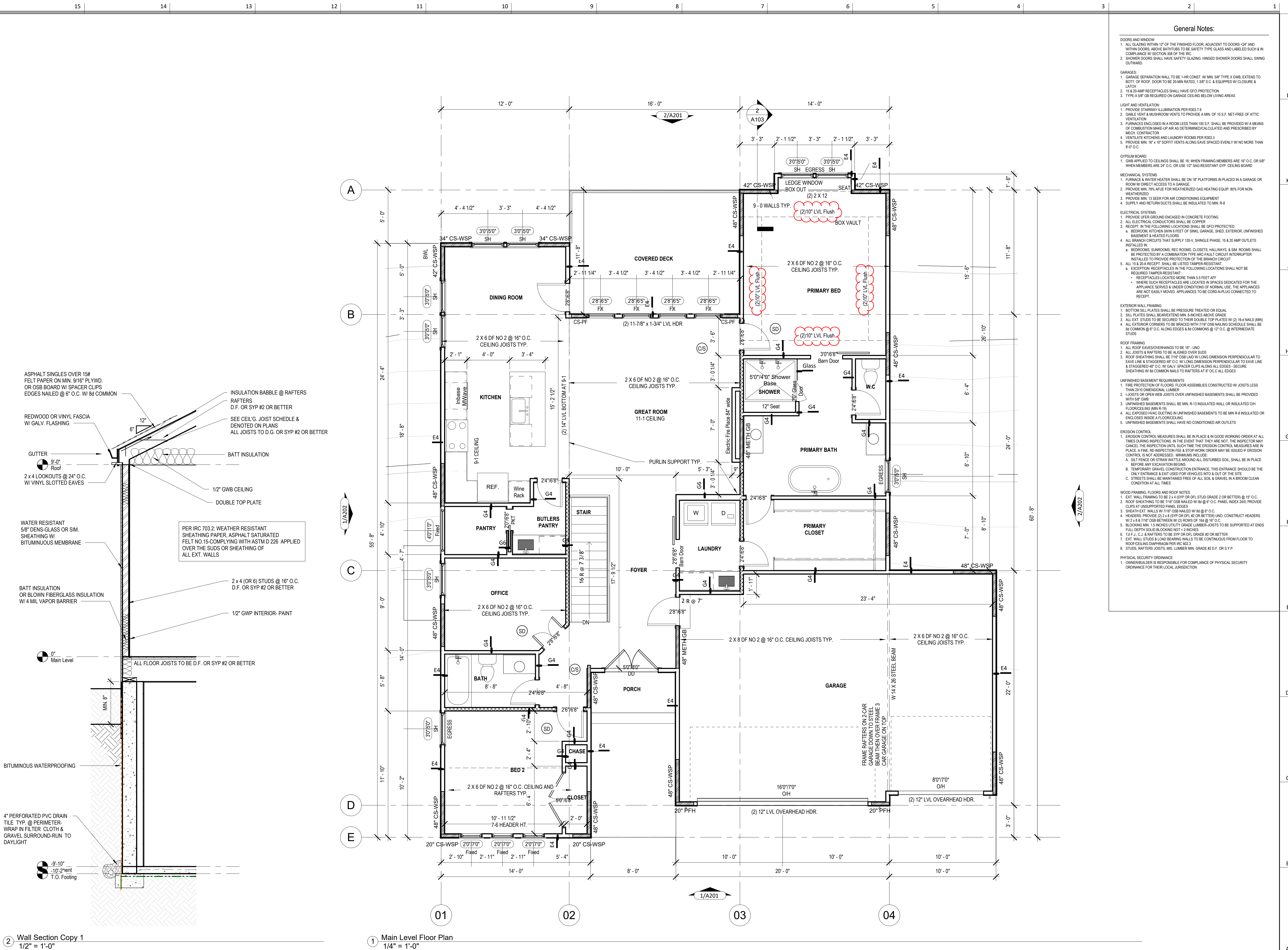
DRAWING TITLE
Floor Plan - Main Level

DATE ISSUED

NORTH

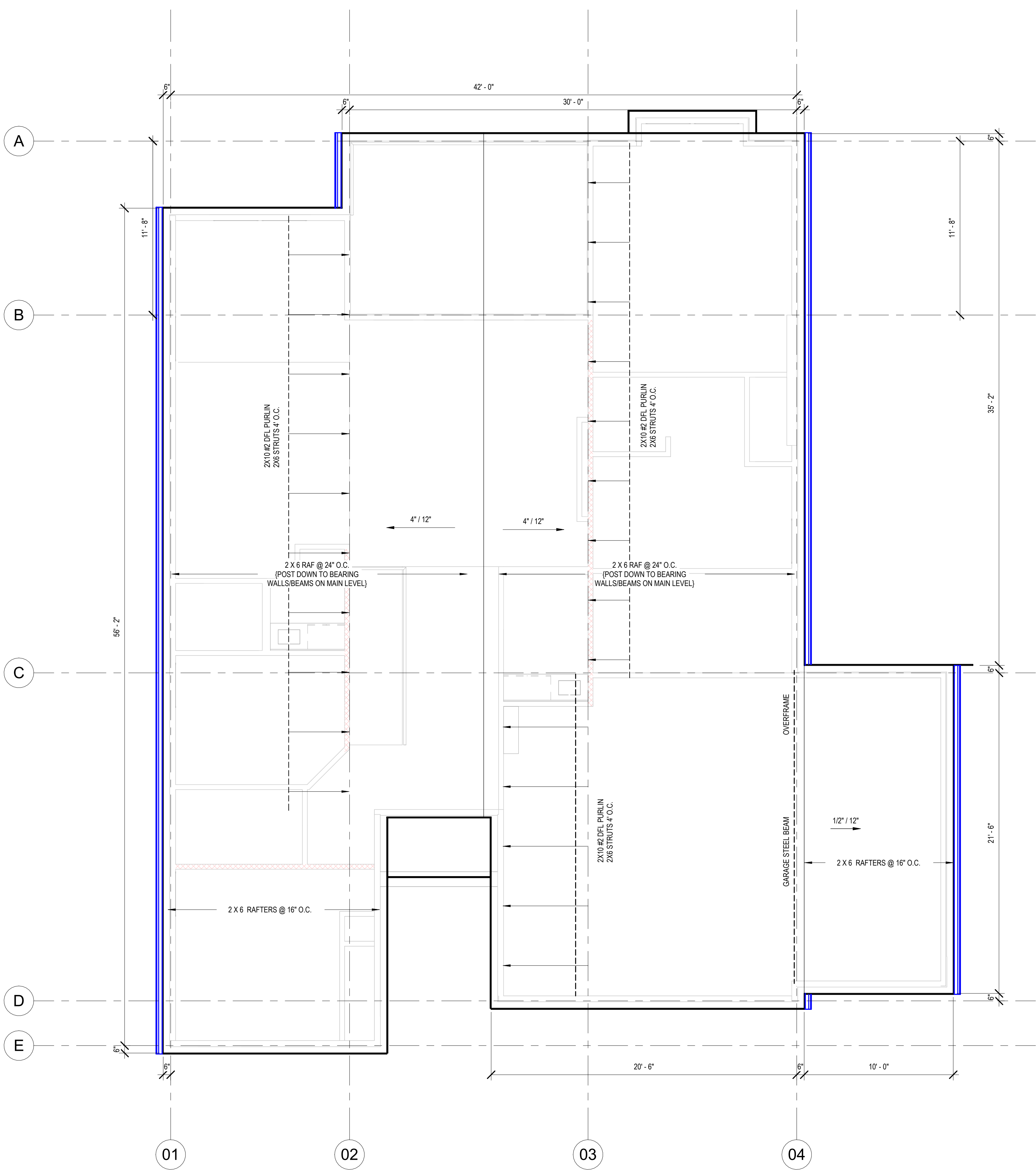
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A103



2 Wall Section Copy 1
1/2" = 1'-0"

1 Main Level Floor Plan
1/4" = 1'-0"



General Notes:

DOORS AND WINDOW

- ALL GLAZING WITHIN 12" OF THE FINISHED FLOOR, ADJACENT TO DOORS -2" AND WITHIN DOORS, ABOVE BATHTUBS TO BE SAFETY TYPE GLASS AND LABELED SUCH AS IN COMPLIANCE W/ SECTION 308 OF THE IRC.
- SHOWER DOORS SHALL HAVE SAFETY GLAZING. HINGED SHOWER DOORS SHALL SWING OUTWARD.

GARAGES:

- GARAGE SEPARATION WALL TO BE 1-HR CONST. W/ MIN. 5/8" TYPE X GWB, EXTEND TO BOTTOM OF ROOF. DOOR TO BE 20-MIN RATED, 1.58" S.C. & EQUIPPED W/ CLOSURE & LATCH.
- 15 & 20 AMP RECEPTACLES SHALL HAVE GFCI PROTECTION.
- TYPE X 5/8" GB REQUIRED ON GARAGE CEILING BELOW LIVING AREAS.

LIGHT AND VENTILATION:

- PROVIDE STAIRWAY ILLUMINATION PER R303.7.2.
- GABLE VENT & MUSHROOM VENTS TO PROVIDE A MIN. OF 10 S.F. NET FREE OF ATTIC VENTILATION.
- FURNACES ENCLOSED IN A ROOM LESS THAN 100 S.F. SHALL BE PROVIDED W/ A MEANS OF COMBUSTION MAKE-UP AIR AS DETERMINED/CALCULATED AND PRESORIBED BY MECH. CONTRACTOR.
- VENTILATE KITCHENS AND LAUNDRY ROOMS PER R303.3.
- PROVIDE MIN. 16" x 10" SOFFIT VENTS ALONG EAVE SPACED EVENLY W/ NO MORE THAN 6" O.C.

GYP/SUM BOARD

- GWB APPLIED TO CEILINGS SHALL BE 16" WHEN FRAMING MEMBERS ARE 16" O.C. OR 5/8" WHEN MEMBERS ARE 24" O.C. OR USE 1/2" SAG-RESISTANT GYP. CEILING BOARD.

MECHANICAL SYSTEMS

- FURNACE & WATER HEATER SHALL BE ON 18" PLATFORMS IN PLACED IN A GARAGE OR ROOM W/ DIRECT ACCESS TO A GARAGE.
- PROVIDE MIN. 7% AFUE FOR WEATHERIZED GAS HEATING EQUIP. 80% FOR NON-WEATHERIZED.
- PROVIDE MIN. 13 SEER FOR AIR CONDITIONING EQUIPMENT.
- SUPPLY AND RETURN DUCTS SHALL BE INSULATED TO MIN. R-8.

ELECTRICAL SYSTEMS

- PROVIDE UFER GROUND ENCASED IN CONCRETE FOOTING.
- ALL ELECTRICAL CONDUCTORS SHALL BE COPPER.
- RECEPT. IN THE FOLLOWING LOCATIONS SHALL BE GFCI PROTECTED:
 - BEDROOM, KITCHEN (W/IN 6 FEET OF SINK), GARAGE, SHED, EXTERIOR, UNFINISHED BASEMENT & HEATED FLOORS.
- ALL BRANCH CIRCUITS THAT SUPPLY 120-V. SHINGLE PHASE, 15 & 20 AMP OUTLETS INSTALLED IN:
 - BEDROOMS, SUNROOMS, REC ROOMS, CLOSETS, HALLWAYS, & SIM. ROOMS SHALL BE PROTECTED BY A COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER.
- ALL 15 & 20 A RECEPT. SHALL BE LISTED TAMPER-RESISTANT.
 - EXCEPTION: RECEPTACLES IN THE FOLLOWING LOCATIONS SHALL NOT BE REQUIRED TAMPER-RESISTANT:
 - RECEPTACLES LOCATED MORE THAN 5.5 FEET AFT.
 - WHERE SUCH RECEPTACLES ARE LOCATED IN SPACES DEDICATED FOR THE APPLIANCE SERVED & UNDER CONDITIONS OF NORMAL USE, THE APPLIANCES ARE NOT EASILY MOVED. APPLIANCES TO BE CORD-N-PLUG CONNECTED TO RECEPT.

EXTERIOR WALL FRAMING

- BOTTOM SILL PLATES SHALL BE PRESSURE TREATED OR EQUAL.
- SILL PLATES SHALL BE EXTENDED MIN. 6-INCHES ABOVE GRADE.
- ALL EXT. STUDS TO BE SECURED TO THEIR DOUBLE TOP PLATES W/ (2) 16-d NAILS (MIN).
- ALL EXTERIOR CORNERS TO BE BRACED WITH 7/16" OSB NAILING SCHEDULE SHALL BE AS COMMON @ 6" O.C. ALONG EDGES & COMMON @ 12" O.C. @ INTERMEDIATE STUDS.

ROOF FRAMING

- ALL ROOF EAVES OVERHANGS TO BE 16" UNO.
- ALL JOISTS & RAFTERS TO BE ALIGNED OVER SLDS.
- ROOF SHEATHING SHALL BE 7/16" OSB LAD W/ LONG DIMENSION PERPENDICULAR TO EAVE LINE & STAGGERED 48" O.C. W/ LONG DIMENSION PERPENDICULAR TO EAVE LINE & STAGGERED 48" O.C. W/ GALLY SPACER CLIPS ALONG ALL EDGES. SECURE SHEATHING W/ 8d COMMON NAILS TO RAFTERS AT 6" O.C. ALL EDGES.

UNFINISHED BASEMENT REQUIREMENTS

- FIRE PROTECTION OF FLOORS: FLOOR ASSEMBLIES CONSTRUCTED W/ JOISTS LESS THAN 2X10 DIMENSIONAL LUMBER.
- JOISTS OR OPEN WEB JOISTS OVER UNFINISHED BASEMENTS SHALL BE PROVIDED WITH 5/8" GWB.
- UNFINISHED BASEMENTS SHALL BE MIN. R-13 INSULATED WALL OR INSULATED OH FLOORCEILING (MIN R-19).
- ALL EXPOSED HVAC DUCTING IN UNFINISHED BASEMENTS TO BE MIN R-8 INSULATED OR ENCLOSED INSIDE A FLOORCEILING.
- UNFINISHED BASEMENTS SHALL HAVE NO CONDITIONED AIR OUTLETS.

EROSION CONTROL

- EROSION CONTROL MEASURES SHALL BE IN PLACE & IN GOOD WORKING ORDER AT ALL TIMES DURING INSPECTIONS. IN THE EVENT THAT THEY ARE NOT, THE INSPECTOR MAY CANCEL THE INSPECTION UNTIL SUCH TIME THE EROSION CONTROL MEASURES ARE IN PLACE. A FINE, NO INSPECTION FEE & STOP-WORK ORDER MAY BE ISSUED IF EROSION CONTROL IS NOT ADDRESSED. MINIMUMS INCLUDE:
 - A. Silt fence or straw wattles around all disturbed soil. SHALL BE IN PLACE BEFORE ANY EXCAVATION BEGINS.
 - B. TEMPORARY GRAVEL CONSTRUCTION ENTRANCE. THIS ENTRANCE SHOULD BE THE ONLY ENTRANCE & EXIT USED FOR VEHICLES INTO & OUT OF THE SITE.
 - C. STREETS SHALL BE MAINTAINED FREE OF ALL SOIL & GRAVEL IN A BROOM CLEAN CONDITION AT ALL TIMES.

WOOD FRAMING, FLOORS AND ROOF NOTES

- EXT. WALL FRAMING TO BE 2 x 4 (SYP OR DFL STUD GRADE 2 OR BETTER) @ 16" O.C.
- ROOF SHEATHING TO BE 7/16" OSB NAILED W/ 8d @ 6" O.C. PANEL INDEX 240; PROVIDE CLIPS AT UNSUPPORTED PANEL EDGES.
- SHEATH EXT. WALLS W/ 7/16" OSB NAILED W/ 8d @ 6" O.C.
- HEADERS PROVIDE (2) 2 x 4 (SYP OR DFL #2 OR BETTER) UNO. CONSTRUCT HEADERS W/ 2 x 4 & 7/16" OSB BETWEEN W/ (2) ROWS OF 16d @ 16" O.C.
- BLOCKING MIN. 1.5 INCHES UTILITY GRADE LUMBER JOISTS TO BE SUPPORTED AT ENDS FULL DEPTH SOLID BLOCKING NOT < 2 INCHES.
- I.F. J., C.I. & RAFTERS TO BE SYP OR DFL GRADE #2 OR BETTER.
- EXT. WALL STUDS & LOAD BEARING WALLS TO BE CONTINUOUS FROM FLOOR TO ROOF/CEILING DIAPHRAGM PER IRC 602.3.
- STUDS, RAFTERS, JOISTS, MS. LUMBER MIN. GRADE #2 D.F. OR S.Y.P.

PHYSICAL SECURITY ORDINANCE

- OWNER/BUILDER IS RESPONSIBLE FOR COMPLIANCE OF PHYSICAL SECURITY ORDINANCE FOR THEIR LOCAL JURISDICTION.

architect:
Elevate Design + Build
350 SW Longview Blvd
Lee's Summit, MO 64081
816.622.8826 voice
www.elevatedesignbuildkc.com

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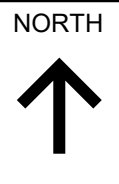
MAY 13, 2024

REVISIONS		
Number	DESCRIPTION	DATE

PROJECT

DRAWING TITLE
Floor Plan - Roof Plan

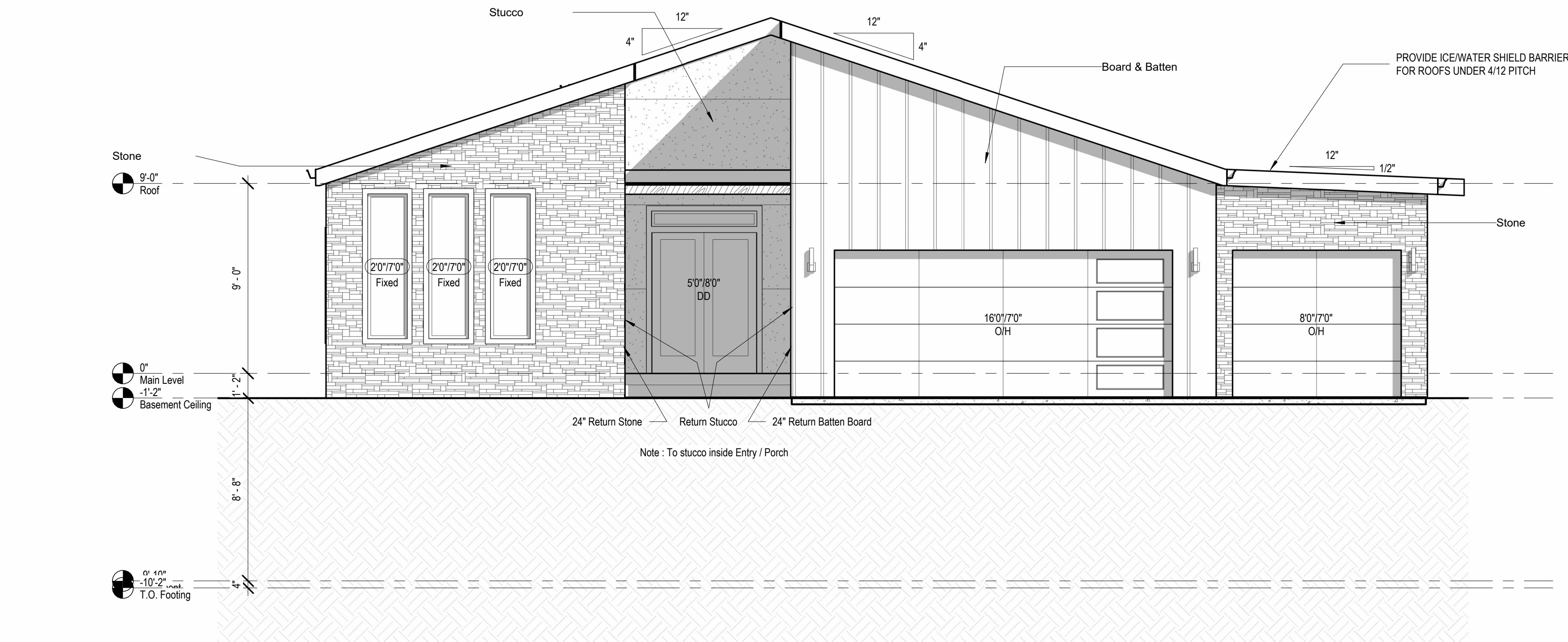
DATE ISSUED



DRAWING NUMBER

A104

SOMERSET



① Front Elevation
1/4" = 1'-0"



② Rear Elevation
1/4" = 1'-0"

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Elevate Design + Build
350 SW Longview Blvd
Lee's Summit, MO 64081
816.622.8826 voice
www.elevatedesignbuildkc.com

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MAY 13, 2024

REVISIONS

Number	DESCRIPTION	DATE
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PROJECT
Lot 128 Hook Farms, 2502 SW
Tracker Ln, Lee's Summit, MO.

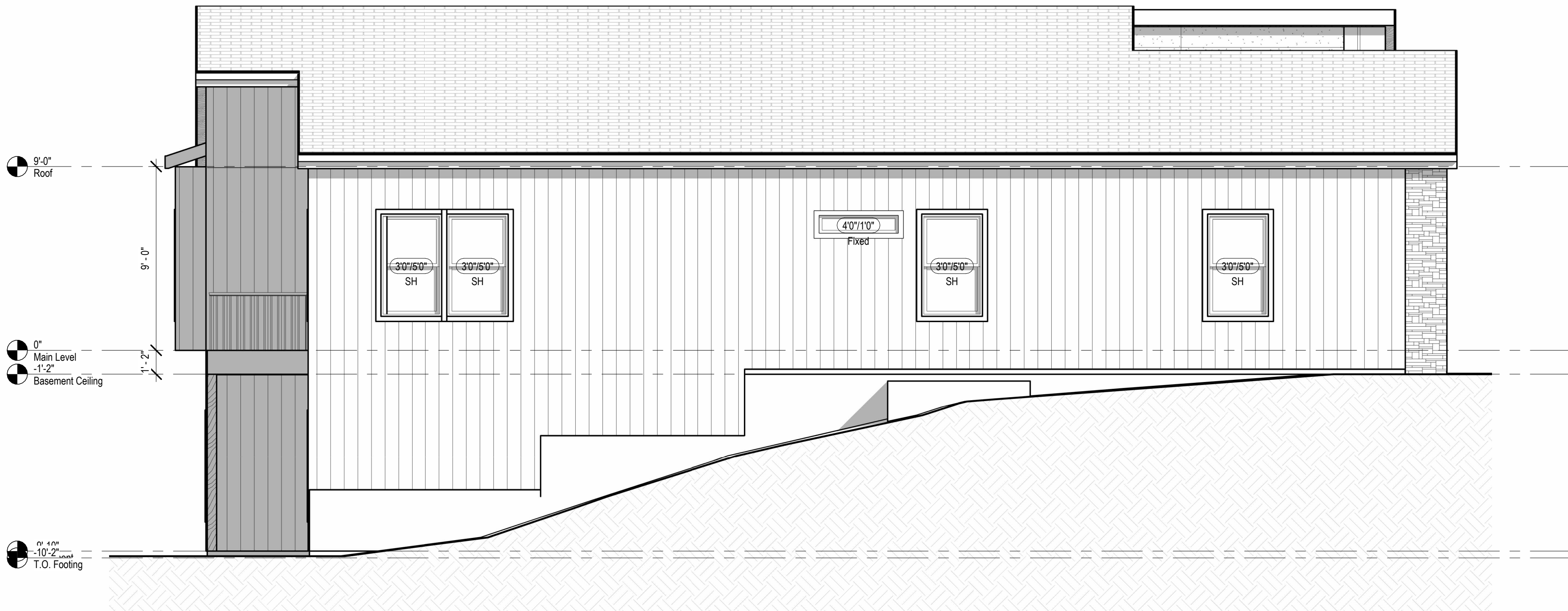
DRAWING TITLE
Elevations

DATE ISSUED

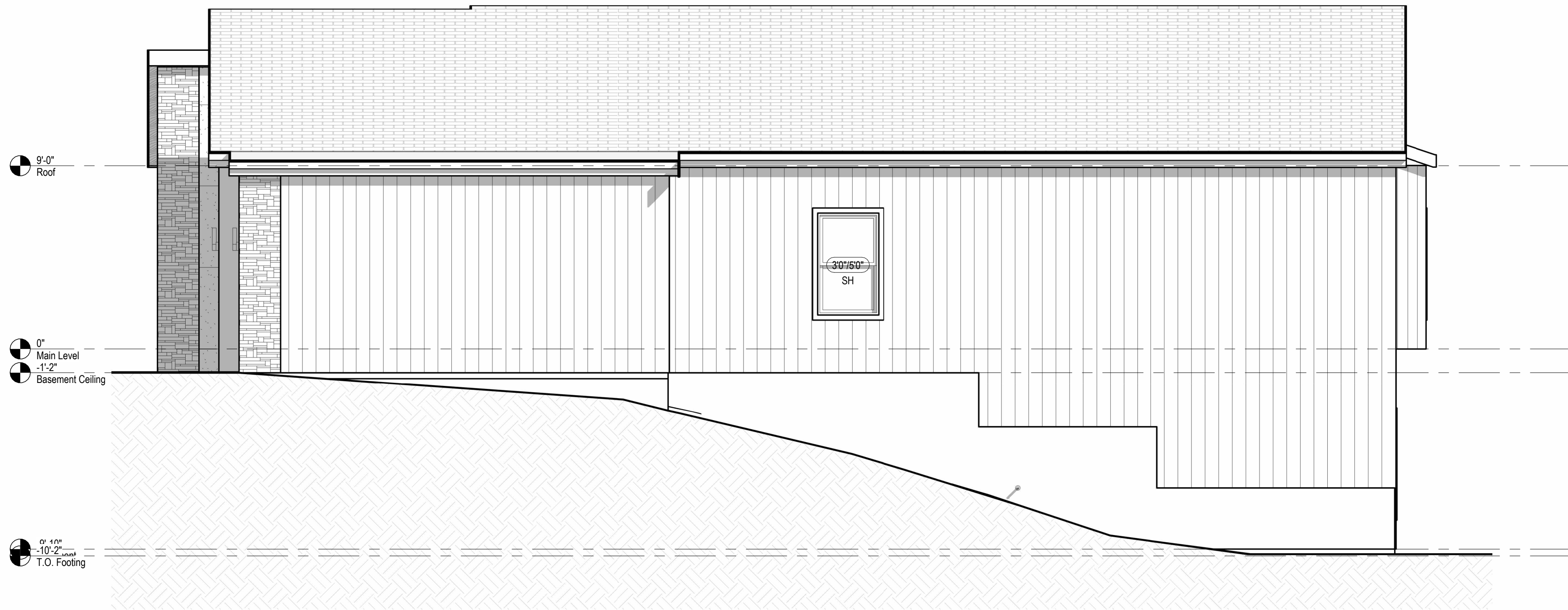
DRAWING NUMBER

A201

SOMERSET



① Right Elevation
1/4" = 1'-0"



② Left Elevation
1/4" = 1'-0"

architect:
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350 SW Longview Blvd
Lee's Summit, MO 64081
816.622.8826 voice
www.elevatedesignbuildkc.com

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MAY 13, 2024

REVISIONS

Number	DESCRIPTION	DATE
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PROJECT

DRAWING TITLE
Elevations

DATE ISSUED

DRAWING NUMBER

A202



SOMERSET

architect:
Elevate Design + Build
350 SW Longview Blvd
Lee's Summit, MO 64081
816.622.8826 voice
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REVISIONS

Number	DESCRIPTION	DATE
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PROJECT

DRAWING TITLE

RCP/Electrical Plan

DATE ISSUED

NORTH

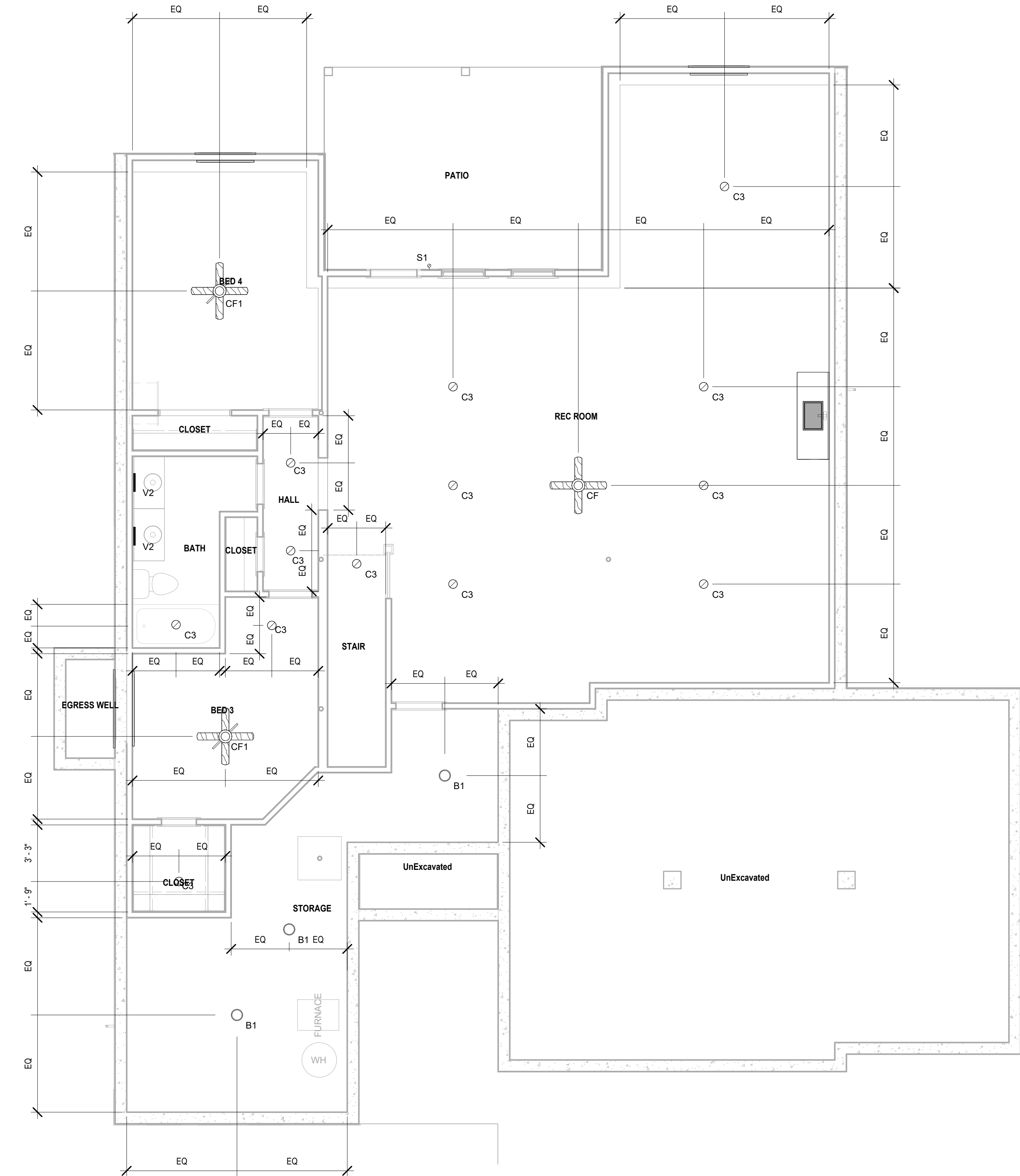


DRAWING NUMBER

A301

Lighting Fixture Schedule		
Type Mark	Description	Type Comments
B1	Ceiling Mounted Exposed Bulb	
C1	Recessed Can Light - Interior	
C2	Recessed Can Light - Exterior	
C3	LED Disk Light	
CF	Ceiling Fan	
CF1	Ceiling Fan w/ Light - Surface Mounted	
P1	Decorative Pendant Fixture	Mount bottom of fixture 84" AFF
S1	Wall Sconce - Exterior	Mount bottom of fixture 84" AFF
V2	Vanity Wall Mounted	Mount bottom of fixture 84" AFF

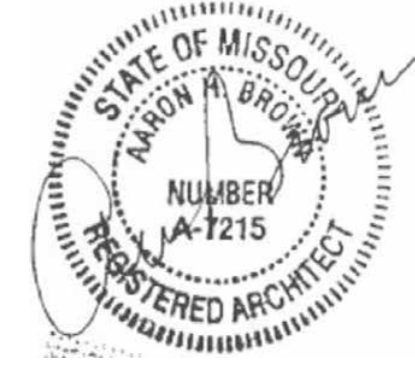
Note:
1. Lighting fixtures penetrating the thermal envelope (Ex: can lights in attic) shall be IC-Rated, Leakage-Rated and sealed to teh gypsum wallboard (N1103.1.1)



1 RCP/Electrical - Basement
1/4" = 1'-0"

architect:
Elevate Design + Build
350 SW Longview Blvd
Lee's Summit, MO 64081
816.622.8826 voice
www.elevatedesignbuildkc.com

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MAY 13, 2024

REVISIONS		
Number	DESCRIPTION	DATE

PROJECT

DRAWING TITLE
RCP/Electrical Main Level Plan

DATE ISSUED

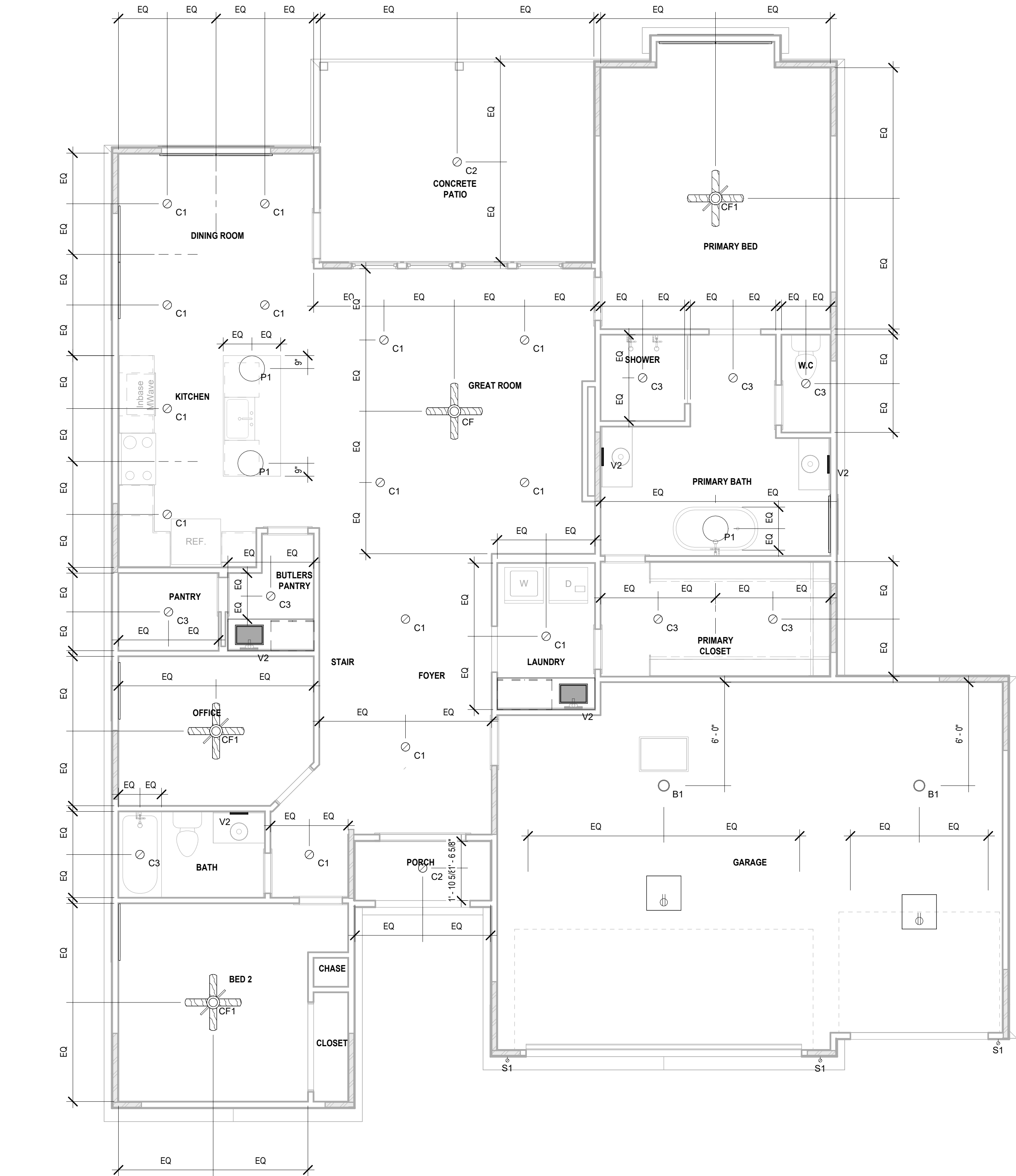
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DRAWING NUMBER

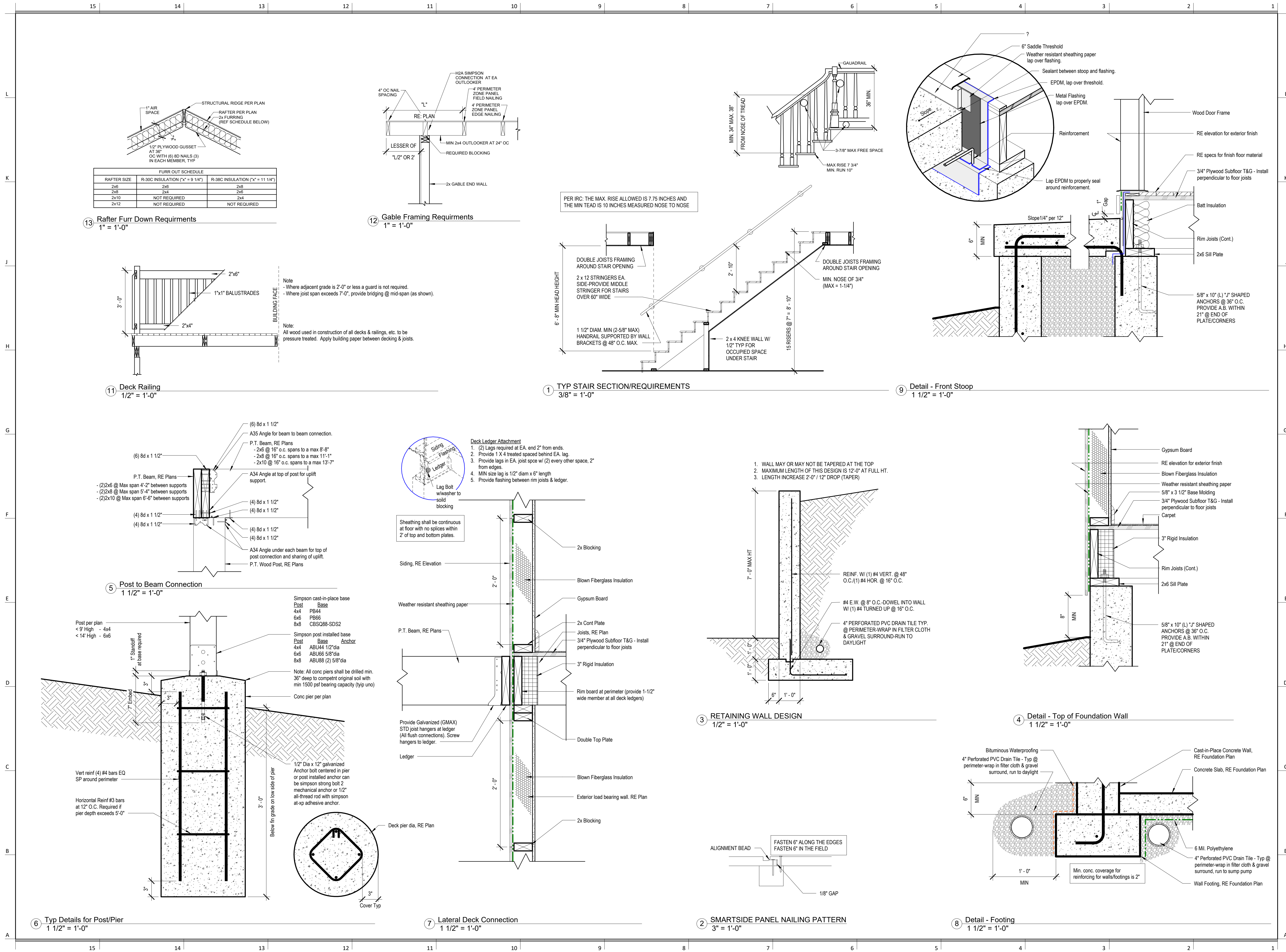
A302

Lighting Fixture Schedule		
Type Mark	Description	Type Comments
B1	Ceiling Mounted Exposed Bulb	
C1	Recessed Can Light - Interior	
C2	Recessed Can Light - Exterior	
C3	LED Disk Light	
CF	Ceiling Fan	
CF1	Ceiling Fan w/ Light - Surface Mounted	
P1	Decorative Pendant Fixture	Mount bottom of fixture 84" AFF
S1	Wall Sconce - Exterior	Mount bottom of fixture 84" AFF
V2	Vanity Wall Mounted	Mount bottom of fixture 84" AFF

Note:
1. Lighting fixtures penetrating the thermal envelope (Ex: can lights in attic) shall be IC-Rated, Leakage-Rated and sealed to teh gypsum wallboard (N1103.1.1)



1 RCP/Electrical - Main Level
1/4" = 1'-0"



architect:
Elevate Design + Build
350 SW Longview Blvd
Lee's Summit, MO 64081
816.622.8826 voice
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MAY 13, 2024

REVISIONS

Number	DESCRIPTION	DATE
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PROJECT
Lot : 72 Adams Point Village
Address : 2709 NE Wheatley Drive,
MO.

DRAWING TITLE

Details

DATE ISSUED

DRAWING NUMBER

A502

Design No. L504

Unrestrained assembly rating - 1Hr.

Finish Rating - 24 Min.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (suc as Canada), respectively.

1. Floor Panels / Finished Floor - Composed of plywood floor glued to wood stringers. Floor measures 48 in. wide by 5/8 in. thick of structural interior with exterior glue, C-D Grade Douglas fir plywood. Stringers located 12 in. OC of 1200-psi graded lumber measuring 111/16 by 5-1/4 in. or greater. Firestop's provided between stringers at panel ends from same lumber as stringers. Plywood, stringers, and firestop's laminated with casein glue. Joints in plywood may be either scarfed or butted. Adjacent panels joined with 8d common nails 6 in. OC.

Finish Floor-(Optional Not Shown) - The optional finish flooring may consist of one of the following systems to be applied over Item 1:

System No. 3

Finish Flooring - Floor Topping Mixtures — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

MAXXON CORP — Types Maxxon Standard and Maxxon High Strength

2. Sound-Deadening Board — Nom 4 by 8 ft by 1/2 in. thick plain wood fiber board weighing 15 to 18 lb per cu ft. Installed with long dimension parallel with stringers and attached to each stringer with 5d cement coated cooler nails, 1-5/8 in. long, .086 in. shank diameter with 1/4 in. diameter flat head spaced nails 12 in. OC. Nails spaced 1/2 in. from side and end joints.

3. Gypsum Board — Nom 1/2 in. thick, installed with long dimension perpendicular to stringers and secured to each stringer with 8d cement coated cooler nails, 2-3/8 in. long, 0.113 in. shank diameter with 9/32 in. diameter flat head spaced 6 in. OC at end joints and 8 in. OC elsewhere. Nails spaced 3/4 and 1/2 in. from side and end joints, respectively. Joints in gypsum board shall be staggered with joints in sound-deadening board.

AMERICAN GYPSUM CO — Type AG-C

4. Finishing System - (Not Shown) — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads. Nom 2 in wide paper tape embedded in first layer of compound over all joints. As an alternate, nom 3/32 in, thick veneer plaster may be applied to the entire surface of gypsum board.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

UL #L504-1 HR CEILING-FLOOR ASSEMBLY

UL DESIGN NO. U305
FIRE RATING: 1 HOUR
SYSTEM THICKNESS: 4 3/4"

ASSEMBLY OPTIONS:
GYPSUM BOARD: ONE LAYER 5/8" THICK GYPSUM BOARD (UL TYPE ULIX™)
WOOD STUDS: 2X4 WOOD STUDS, 16" O.C.
GYPSUM BOARD: ONE LAYER 5/8" THICK GYPSUM BOARD (UL TYPE ULIX™)

UL #U305-1 HR WALL ASSEMBLY - INTERIOR, LOAD BEARING

Method CS-WSP
1/2" = 1'-0"

Method - GB
1/2" = 1'-0"

PORTAL FRAME METHOD CS-PF
1/2" = 1'-0"

Design No. U303

Bearing Wall Rating - 1Hr

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

1. Wood Studs - Nom 2 by 4 in spaced 16 in. OC, effectively cross-braced.

2. Gypsum Board - 5/8 in. thick, with square or tapered edges, applied vertically or horizontally with vertical joints centered over studs. Horizontal joints nee framing. Fastened to studs and plates with 1-7/8 in. long 6d cement coated nails spaced 7 in OC or with 1-7/8 in. long Type 5 screws spaced 8 in OC, or 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in OC, with last screw 1 in. from edge of board. 54 in. widths applied horizontally

UNITED STATES GYPSUM CO-Types AR, FRX-G, IP-ARIP-X1, IP-X2, IPC-AR, SCX, ULIX, ULK WRC or WR

3. Joints - When tapered edge gypsum board is used, joints covered with joint compound and paper tape. As an alternate, gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with joints reinforced with paper tape. When square-edge gypsum board is used, treatment of joints is optional

4. Batts and Blankets - Min 3 in. thick mineral wool batts, friction fit between studs. THERMAFIBER INC-Type SAFB, SAFB FF

5. Sheathing - Min 15/32 in, thick, 4 ft wide, wood structural panels, min grade "sheathing" applied vertically, with vertical joints centered over studs. Attached to studs with 10d galy nails 6 in. OC at the perimeter and 12 in. OC in the field. Sheathing fully covered with a weather resistive barrier

6. Cementitious Backer Units - 1/2 or 5/8 in, thick, installed vertically or horizontally over the sheathing with vertical joints centered over studs. All joints offset min 12 in from underlying sheathing joints, Fastened to studs and plates with corrosion resistant 2-1/4 in. long chamfered, ribbed wafer head screws with a minimum head diameter of 400 inches or 2-1/4 in hot-dipped galvanized roofing nails spaced 8 in. OC.

UNITED STATES GYPSUM CO-Type DCB.

7. Joints - Cement board joints need not be treated.

8. Vapor Retarder, Water Barrier or Weather Resistive Barrier - (Optional, not shown) -As required

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

UL #U303-1 HR WALL ASSEMBLY - EXTERIOR, LOAD BEARING

Method CS-WSP
1/2" = 1'-0"

Method - GB
1/2" = 1'-0"

PORTAL FRAME METHOD CS-PF
1/2" = 1'-0"

WOOD STRUCTURAL PANEL OR STRUCTURAL FIBERBOARD SHEATHING CORNER

16D NAIL @ 12" O.C.

OPT. NON-STRUCTURAL FILLER PANEL

BRACED WALL LINE

SEE TABLE R602.10.4 FOR FASTENING

GYP AS REQUIRED & INSTALLED IN ACCORDANCE W/ CHAPTER 7

CONT. WOOD STRUCTURAL PANEL

OUTSIDE CORNER DETAIL

BRACED WALL LINE

16D NAIL @ 12" O.C.

SEE TABLE R602.10.4 FOR FASTENING

CONT. WOOD STRUCTURAL PANEL

SEE TABLE R602.10.4 FOR FASTENING

WOOD STRUCTURAL PANEL OR STRUCTURAL FIBERBOARD SHEATHING CORNER RETURN

SEE TABLE R602.10.4 FOR FASTENING

INSIDE CORNER DETAIL

GYP AS REQUIRED & INSTALLED IN ACCORDANCE W/ CHAPTER 7

16D NAIL @ 24" O.C. 2 ROWS

CONT. WOOD STRUCTURAL PANEL BRACED WALL LINE

FASTENERS AT BOTH STUDS @ EA. PANEL EDGE

WOOD STRUCTURAL PANEL OR STRUCTURAL FIBERBOARD SHEATHING CORNER

OPT. NON-STRUCTURAL FILLER PANEL

BRACED WALL LINE

CONT. WOOD STRUCTURAL PANEL

GARAGE DOOR CORNER DETAIL

CS-WSP Corner Framing Details
1 1/2" = 1'-0"

TOP PLATE CONTINUITY IS REQUIRED PER SECTION R602.3.2

SIDE ELEV.

SHEATHING FILLER IF NEEDED

16d SINKER NAILS IN 2 ROWS @ 3" O.C.

1000 LB HEADER-TO-JACK STRAP ON BOTH SIDES OF OPENING

7/16" MIN. THICKNESS WOOD STRUCTURAL PANEL SHEATHING

BRACE Wall Segment Attachment
Ceiling/Floor
1" = 1'-0"

CONTINUOUS RIM OR BAND JOIST

FULL HEIGHT BLOCKING CONTINUOUS ALONG LENGTH OF BRACED WALL PANEL

PERPENDICULAR FRAMING

8D @8" O.C. ALONG BRACED WALL PANEL

BRACED WALL PANEL

3-16D @16" O.C. ALONG BRACED WALL PANEL

CONTINUOUS RIM OR BAND JOIST

FULL HEIGHT BLOCKING CONTINUOUS ALONG LENGTH OF BRACED WALL PANEL

PERPENDICULAR FRAMING

8D @8" O.C. ALONG BRACED WALL PANEL

BRACED WALL PANEL

3-16D @16" O.C. ALONG BRACED WALL PANEL

CONTINUOUS RIM OR BAND JOIST

ADDITIONAL FRAMING MEMBER DIRECTLY ABOVE BRACED WALL PANEL

FULL HEIGHT BLOCKING @ 16" O.C. ALONG BRACED WALL PANEL

BRACED WALL PANEL

TOE NAIL 3-8D NAILS AT EACH BLOCKING MEMBER

BRACED WALL PANEL

3-16D @16" O.C. ALONG BRACED WALL PANEL

CONTINUOUS RIM OR BAND JOIST

ADDITIONAL FRAMING MEMBER DIRECTLY BELOW BRACED WALL PANEL

FULL HEIGHT BLOCKING @ 16" O.C. ALONG BRACED WALL PANEL

BRACED WALL PANEL

2-16 NAILS EACH SIDE



MAY 13, 2024

REVISIONS

Number	DESCRIPTION	DATE

PROJECT
Lot : 72 Adams Point Village
Address : 2709 NE Wheatley Drive,
MO.

DRAWING TITLE
Details

DATE ISSUED

DRAWING NUMBER

A503

