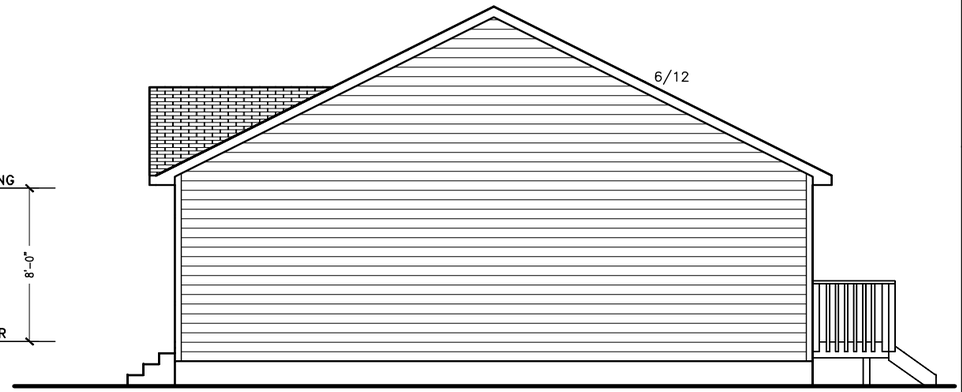
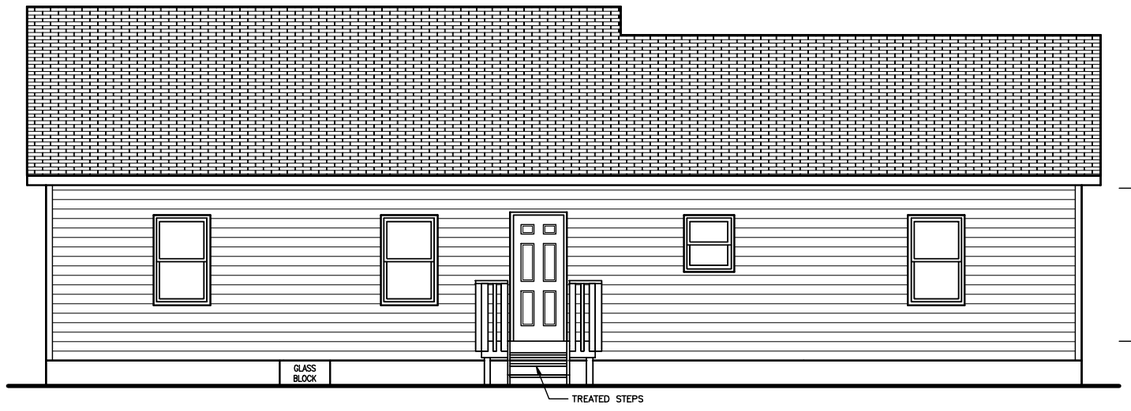
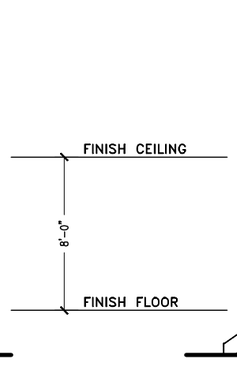
FRONT ELEVATION

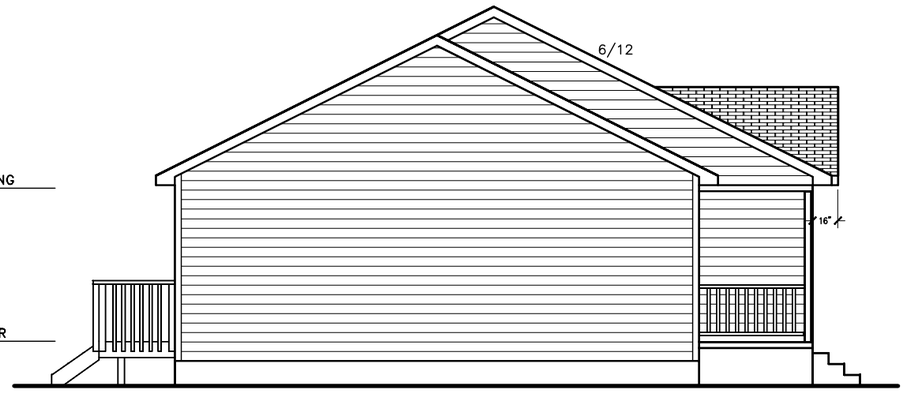


RIGHT ELEVATION



BACK ELEVATION





LEFT ELEVATION

COUNTY OF SUMMIT
DEPARTMENT OF BUILDING STANDARDS

RPR261096

DATE

PLAN REVIEWER

PERMIT NO. DATE

C.B.O.

☐ OBC 107.5.1 FULL APPROVAL

☐ OBC 105.1.1 NON CONFORMANCE APPROVAL

☐ OBC 105.1.2. CONDITIONAL APPROVAL

☐ OBC 105.1.4 PHASED APPROVAL

COMMENT

GENERAL NOTES:

1) STRUCTURAL WOOD IS TO BE SELECT GRADE WITH FC=2,400 PSI MINIMUM
2) TO MEET ENERGY CODE REQUIREMENTS, THE FOLLOWING MINIMUM THERMAL INSULATION VALUES ARE TO BE INSTALLED:
   CEILING = R38
   WALLS = R15
   FOUNDATION EXTERIOR = R9
   FOUNDATION INTERIOR = R-11
3) INSULATION IS TO BE INSTALLED AT INTERIOR PARTITIONS AS DIRECTED BY HABITAT FOR HUMANITY.
4) ALL EXPOSED INSULATION IS TO HAVE A FLAME SPREAD RATING LESS THAN 25 AND A SMOKE DENSITY RATING LESS THAN 450.
5) GLASS WITHIN DOORS OR SIDELIGHTS ARE TO BE TEMPERED / SHOCK RESISTANT AS PER CODE.
6) VERIFY FINISH HARDWARE AND CABINET HARDWARE WITH HABITAT FOR HUMANITY.
7) WALLS ARE TO BE PAINTED DRYWALL. VERIFY PAINT COLORS WITH HABITAT FOR HUMANITY.
8) VERIFY ANY WALL COVERING WITH HABITAT FOR HUMANITY.
9) PROVIDE VINYL TILE FLOORING WHERE LABELED "TILE"
10) VERIFY MATERIAL AND COLOR WITH HABITAT FOR HUMANITY.
11) PROVIDE CARPET WHERE LABELED "CARPET". VERIFY CARPET WITH HABITAT FOR HUMANITY.
12) 1/2" GYPSUM BOARD TYPICAL FOR WALLS AND 5/8"FC FOR CEILINGS, GYPSUM BOARD IS TO BE PRIMED AND PAINTED FOR A SMOOTH, PROFESSIONAL FINISH. WALL AND CEILING MATERIALS ARE TO HAVE A FLAME-SPREAD RATING OF LESS THAN 200.
13) PROVIDE AND INSTALL NECESSARY LOUVERS AND VENTS.
14) PROVIDE AND INSTALL A MAILBOX AS DIRECTED BY HABITAT FOR HUMANITY.
15) LOCATE TELEPHONE JACKS PER ELECTRICAL PLAN.
16) LOCATE SMOKE DETECTORS PER ELECTRICAL PLAN.
17) THERE WILL BE NO DEVIATION FROM THESE PLANS OR SPECIFICATION UNLESS SUBMITTED IN WRITING AND APPROVED BY HABITAT FOR HUMANITY.
18) ALL 3/4" T & G OSB FLOORING MUST BE GLUED (WITH LIQUID NAILS) AND NAILED.
19) ROOF LOADS: TOP LIVE = 40 PSF
    TOP DEAD = 10 PSF
    BOTTOM DEAD = 1-PSF
    FLOOR LOADS: TOP LIVE = 40 PSF
    TOP DEAD = 10 PSF
    BOTTOM DEAD = 5 PSF

AREA INFORMATION	
DESCRIPTION	SIZE
LIVING AREA	1207 S.F.
GARAGE	406 S.F.
PORCH	76 S.F.
BACK PORCH	24 S.F.

APPROVED
By Al Hall at 9:24 am, May 04, 2026

HALF SCALE

RANCH 01

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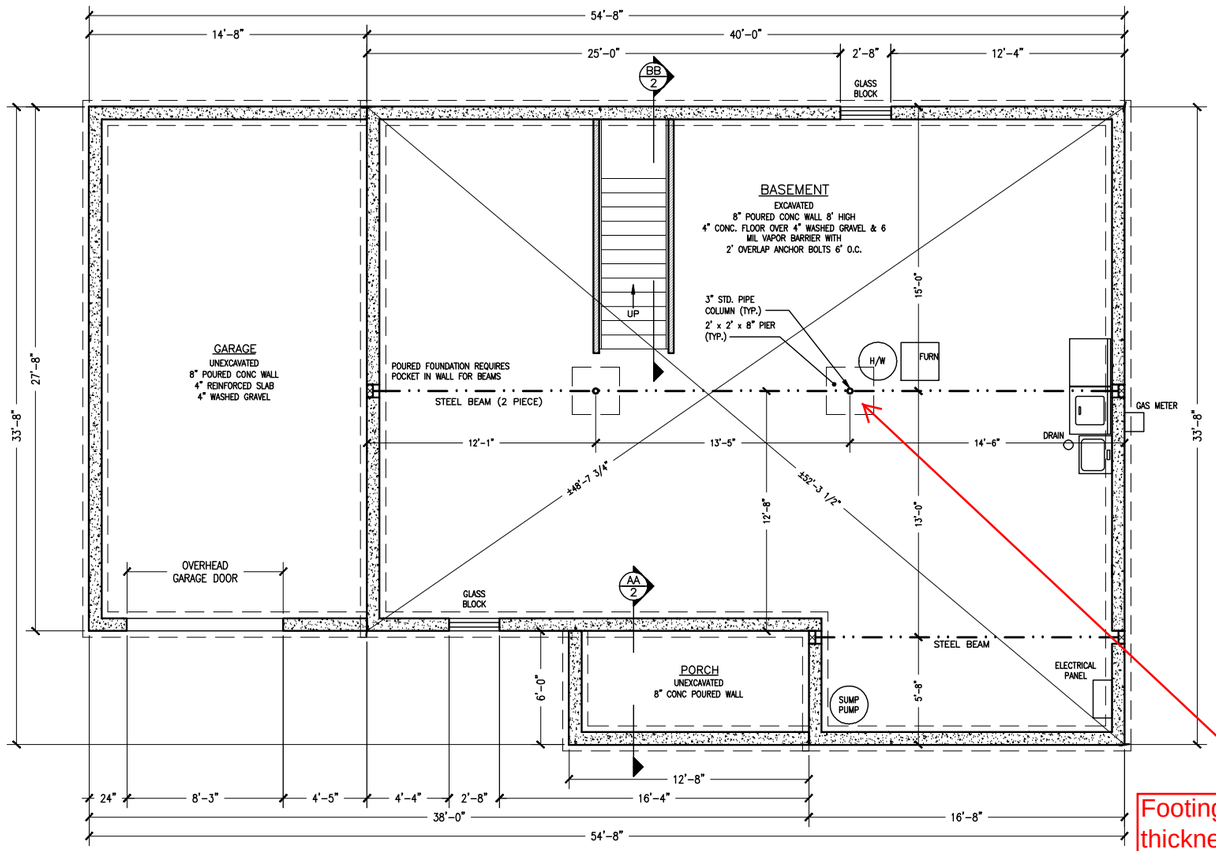
HABITAT FOR HUMANITY OF SUMMIT COUNTY, INC.
2301 ROMING ROAD
AKRON, OH 44320

RANCH 01
(3) BEDROOM
ATTACHED GARAGE ON LEFT

REVISIONS

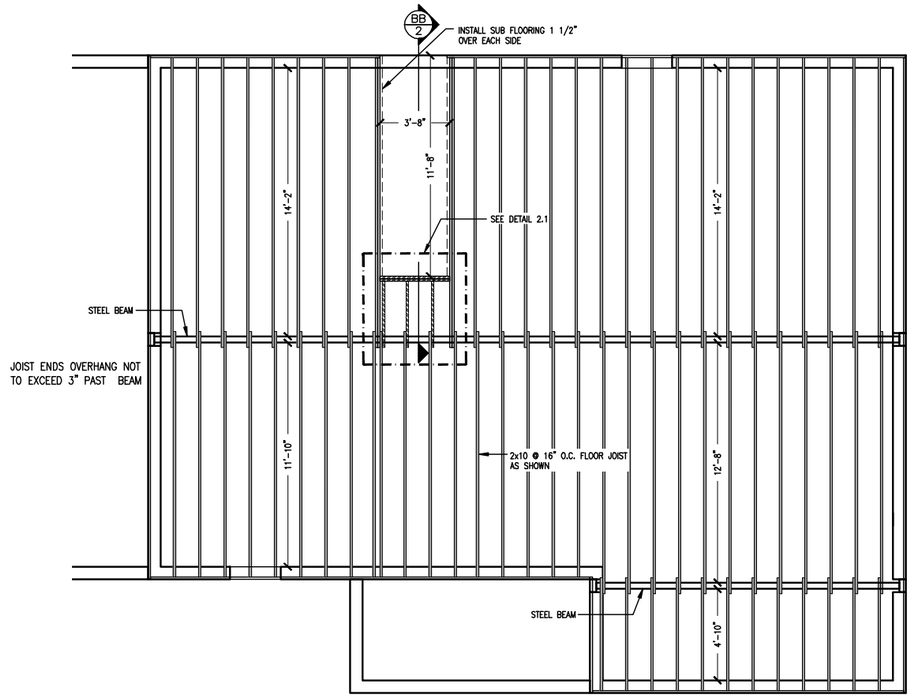
SHEET# 1

SCALE: 1/4"=1'
DATE:



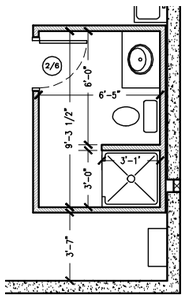
FOUNDATION PLAN

NOTES:
1) FOOTING FOR 8" POURED CONCRETE WITH 2-#4 CONTINUOUS BARS.
2) ROUGH-IN A (3) PIECE BATH. SEE JOB SUPERINTENDENT FOR EXACT LOCATION.

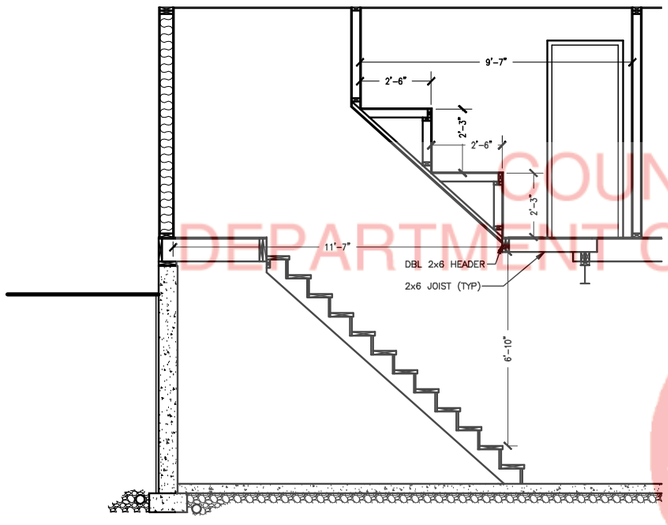


FLOOR JOIST PLAN

Footing pad thickness per RCO 403.1 or rebar reinforcement (RCO 114)

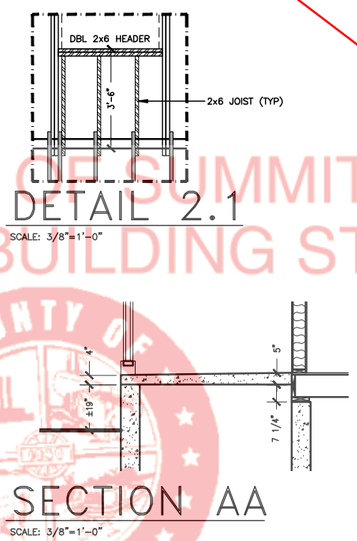


OPTIONAL BATH DETAIL



SECTION BB

SCALE: 3/8"=1'-0"

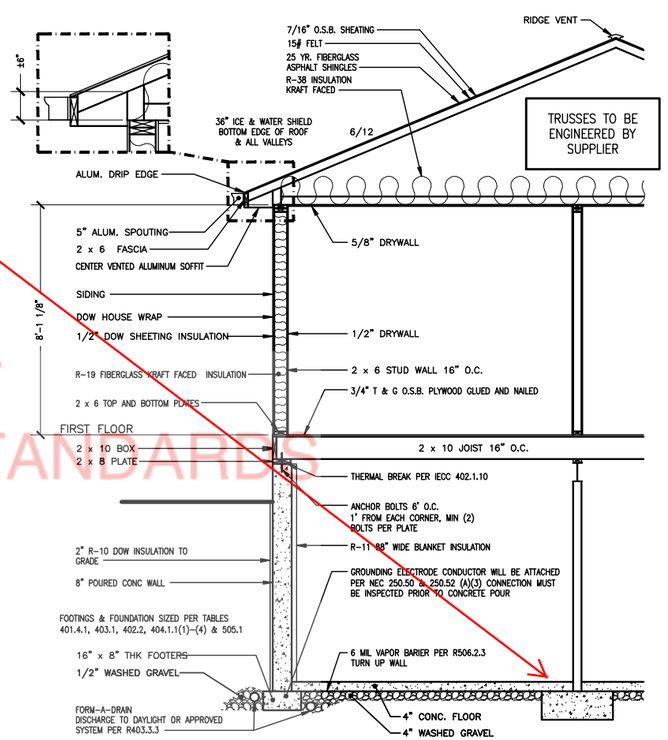


DETAIL 2.1

SCALE: 3/8"=1'-0"

SECTION AA

SCALE: 3/8"=1'-0"



TYPICAL CROSS SECTION

SCALE: 3/8"=1'

HALF SCALE

RANCH 01

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2301 ROMING ROAD
AKRON, OH 44320

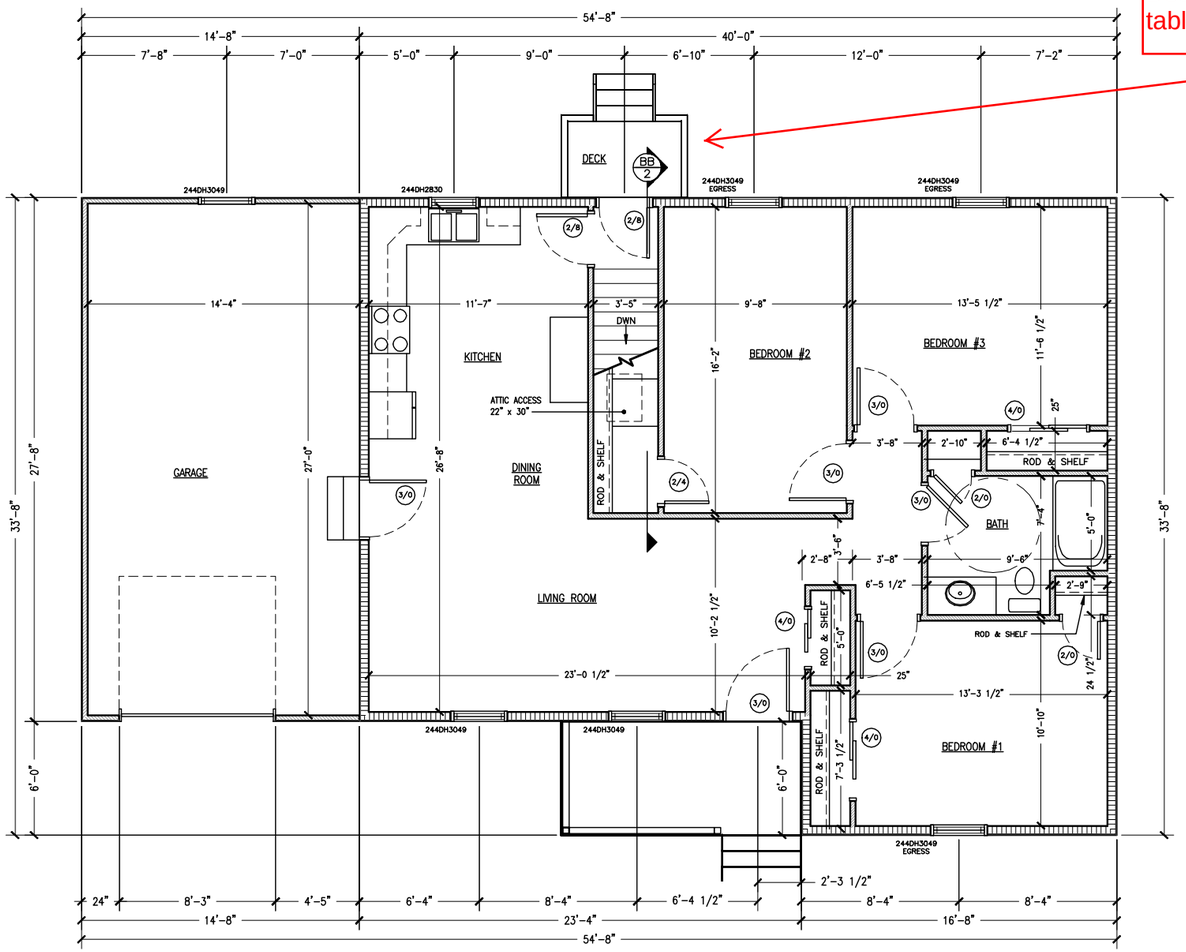
RANCH 01
(3) BEDROOM
ATTACHED GARAGE ON LEFT

REVISIONS

SHEET# 2

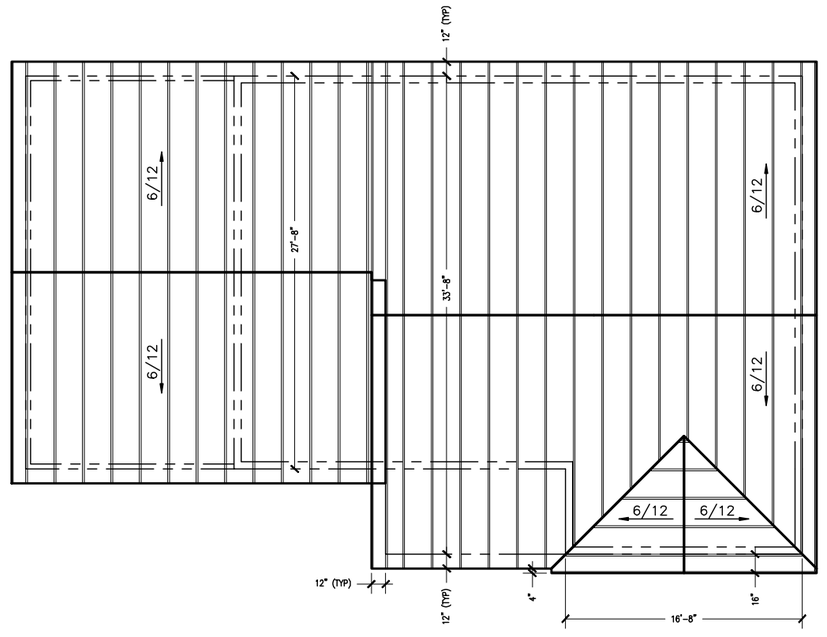
SCALE: 1/4"=1'
DATE:

Deck build per attached code tables and diagrams



FLOOR PLAN

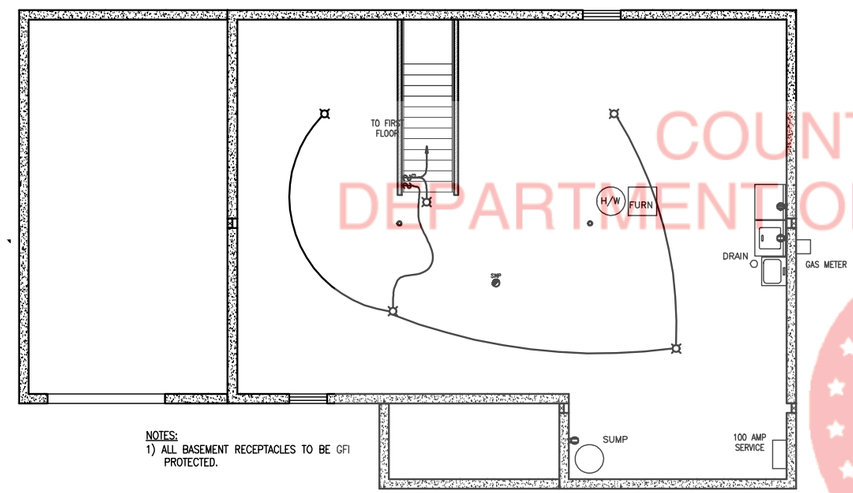
NOTES:
1) BEDROOM WINDOWS MUST HAVE 5.0 SQ. FT. MIN.
2) WINDOWS ARE TO BE ANDERSON 200 SERIES TILT WASH DOUBLE HUNG. THE EXTERIOR WOOD MEMBERS SHALL BE WHITE VINYL CLAD. THE INTERIOR OF THE WINDOWS SHALL BE PRFINISHED WHITE.



DETAIL 3.1

SCALE: 3/16"=1'

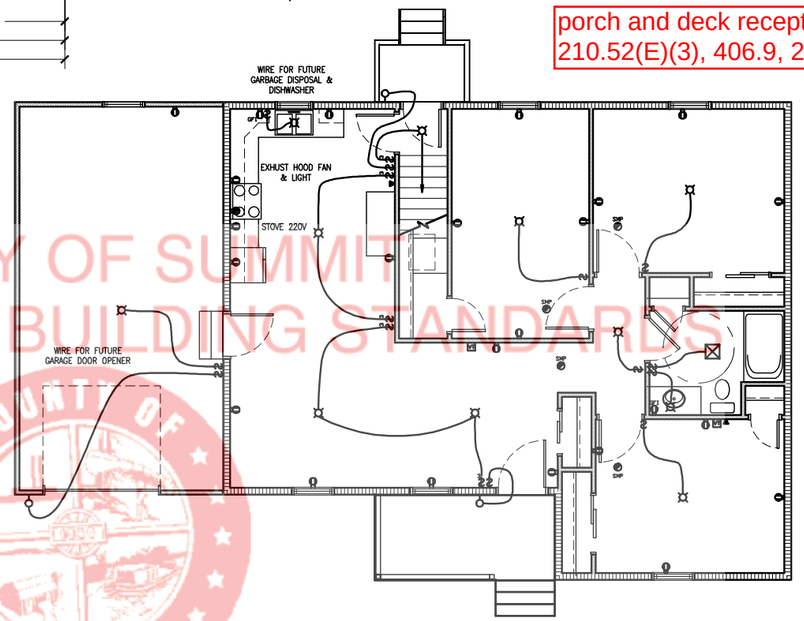
porch and deck receptacle per NEC 210.52(E)(3), 406.9, 210.08



NOTES:
1) ALL BASEMENT RECEPTACLES TO BE GFI PROTECTED.

FOUNDATION ELECTRICAL PLAN

SCALE: 3/16"=1'-0"



ELECTRICAL PLAN

SCALE: 3/16"=1'-0"

HALF SCALE

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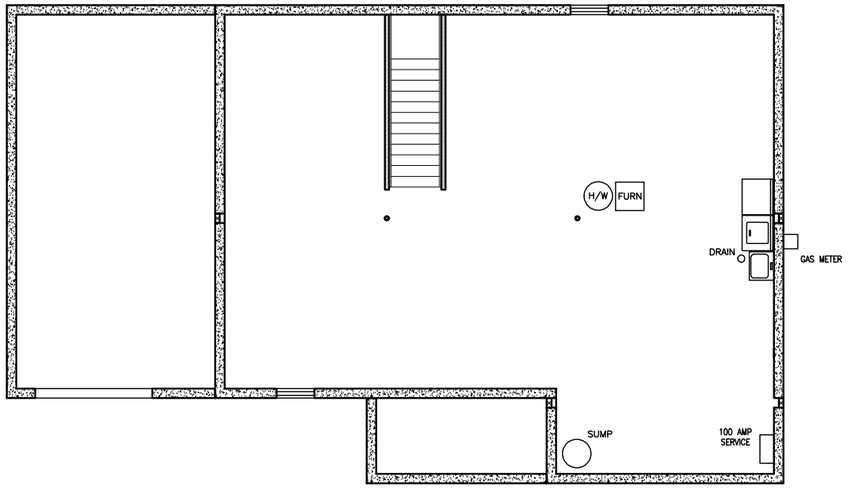
AKRON, OH 44320

RANCH 01
(3) BEDROOM
ATTACHED GARAGE ON LEFT

REVISIONS

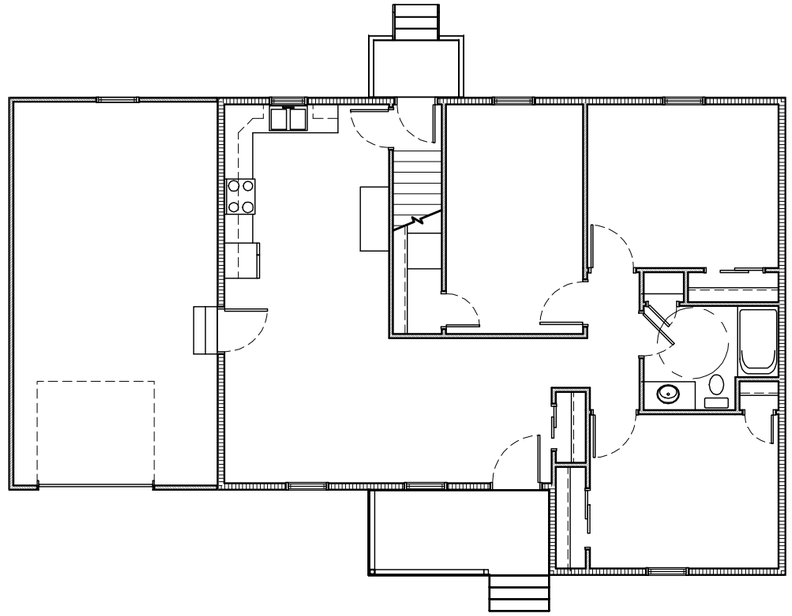
SCALE: 1/4"=1'
DATE:

SHEET# 3



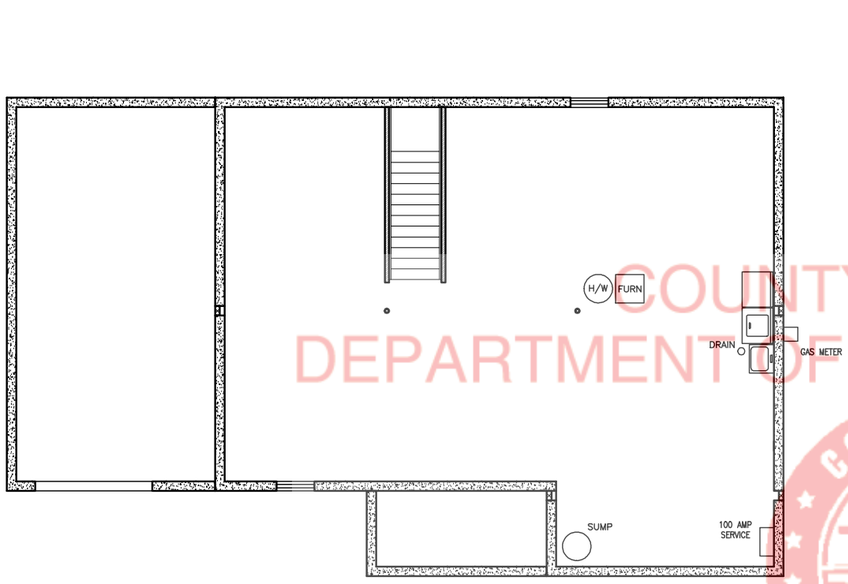
FOUNDATION HVAC PLAN

SCALE: 3/16"=1'-0"



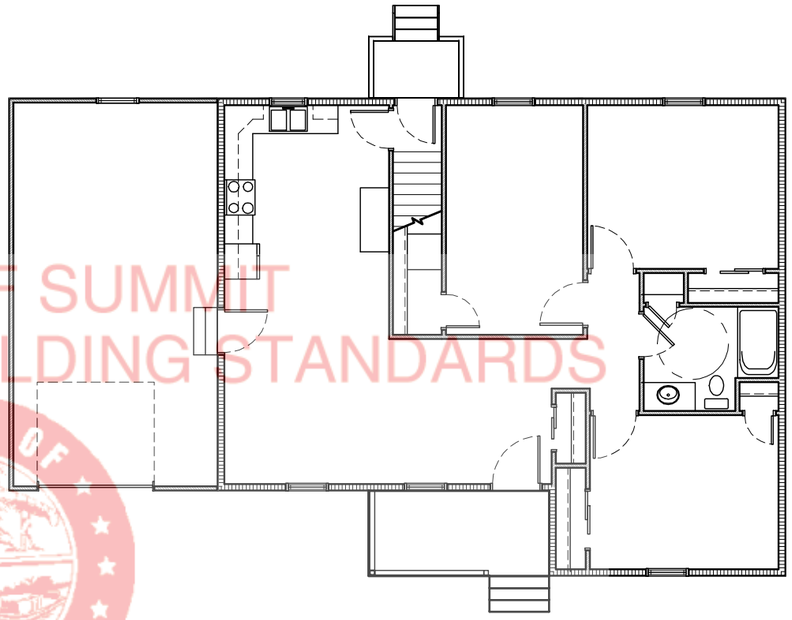
HVAC PLAN

SCALE: 3/16"=1'-0"



FOUNDATION PLUMBING PLAN

SCALE: 3/16"=1'-0"



PLUMBING PLAN

SCALE: 3/16"=1'-0"

HALF SCALE

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2301 ROMING ROAD
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RANCH 01
(3) BEDROOM
ATTACHED GARAGE ON LEFT

REVISIONS

SCALE: 1/4"=1'
DATE:

SHEET# 4

TABLE 507.3.1 MINIMUM FOOTING SIZE FOR DECKS

LIVE OR GROUND SNOW LOAD [b] (psf)	TRIBUTARY AREA (sq. ft.)	LOAD BEARING VALUE OF SOILS [a, c, d] (psf)											
		1500 [a]			2000 [a]			2500 [a]			≥ 3000 [a]		
		Side of a square footing (inches)	Diameter of a round footing (inches)	Thickness (inches)	Side of a square footing (inches)	Diameter of a round footing (inches)	Thickness (inches)	Side of a square footing (inches)	Diameter of a round footing (inches)	Thickness (inches)	Side of a square footing (inches)	Diameter of a round footing (inches)	Thickness (inches)
40	20	12	14	6	12	14	6	12	14	6	12	14	6
	40	14	16	6	12	14	6	12	14	6	12	14	6
	60	17	19	6	15	17	6	13	15	6	12	14	6
	80	20	22	7	17	19	6	15	17	6	14	16	6
	100	22	25	8	19	21	6	17	19	6	15	17	6
	120	24	27	9	21	23	7	19	21	6	17	19	6
	140	26	29	10	22	25	8	20	23	7	18	21	6
	160	28	31	11	24	27	9	21	24	8	20	22	7

TABLE 507.5 DECK BEAM SPAN LENGTHS [a, b, g] (feet - inches)

SPECIESc	SIZE[d]	DECK JOIST SPAN LESS THAN OR EQUAL TO: (feet)						
		6	8	10	12	14	16	18
Southern pine	1 – 2 × 6	4-11	4-0	3-7	3-3	3-0	2-10	2-8
	1 – 2 × 8	5-11	5-1	4-7	4-2	2-10	3-7	3-5
	1 – 2 × 10	7-0	6-0	5-5	4-11	4-7	4-3	4-0
	1 – 2 × 12	8-3	7-1	6-4	5-10	5-5	5-0	4-9
	2 – 2 × 6	6-11	5-11	5-4	4-10	4-6	4-3	4-0
	2 – 2 × 8	8-9	7-7	6-9	6-2	5-9	5-4	5-0
	2 – 2 × 10	10-4	9-0	8-0	7-4	6-9	6-4	6-0
	2 – 2 × 12	12-2	10-7	9-5	8-7	8-0	7-6	7-0
	3 – 2 × 6	8-2	7-5	6-8	6-1	5-8	5-3	5-0
	3 – 2 × 8	10-10	9-6	8-6	7-9	7-2	6-8	6-4
	3 – 2 × 10	13-0	11-3	10-0	9-2	8-6	7-11	7-6
	3 – 2 × 12	15-3	13-3	11-10	10-9	10-0	9-4	8-10

For SI: 1 inch = 25.4 mm, 1 square foot = 0.0929 m^2, 1 pound per square foot = 0.0479 kPa.

a. Interpolation permitted, extrapolation not permitted.
b. Based on highest load case: Dead + Live or Dead + Snow.
c. Assumes minimum square footing to be 12 inches x 12 inches x 6 inches for 6 x 6 post.
d. If the support is a brick or CMU pier, the footing shall have a minimum 2-inch projection on all sides.
e. Area, in square feet, of deck surface supported by post and footings.

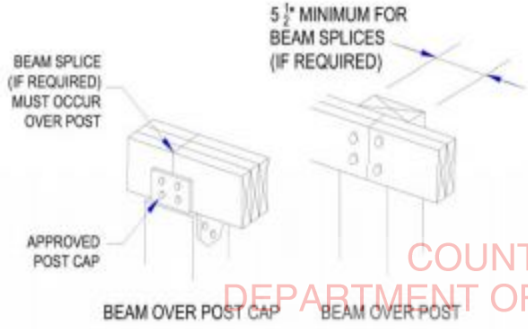

FIGURE 507.5.1(1)
DECK BEAM TO DECK POST

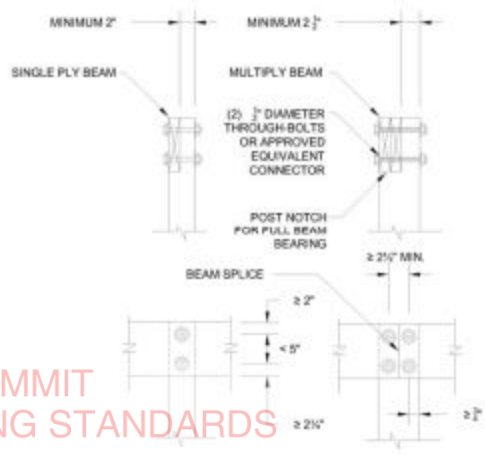

FIGURE 507.5.1(2)
NOTCHED POST-TO-BEAM CONNECTION

Figure 33. Miscellaneous Stair Requirements.

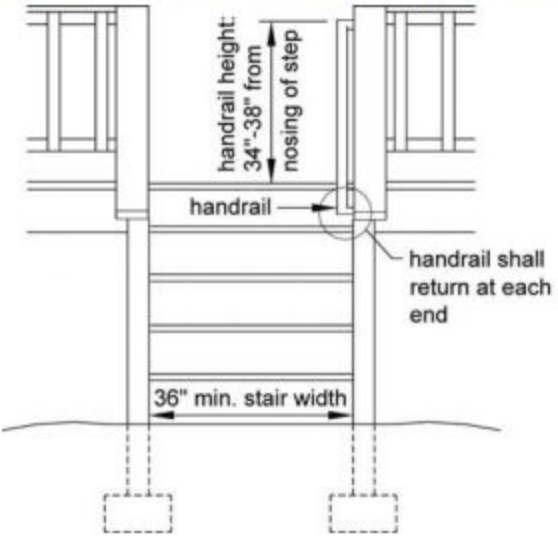

Figure 34. Stair Footing Detail.

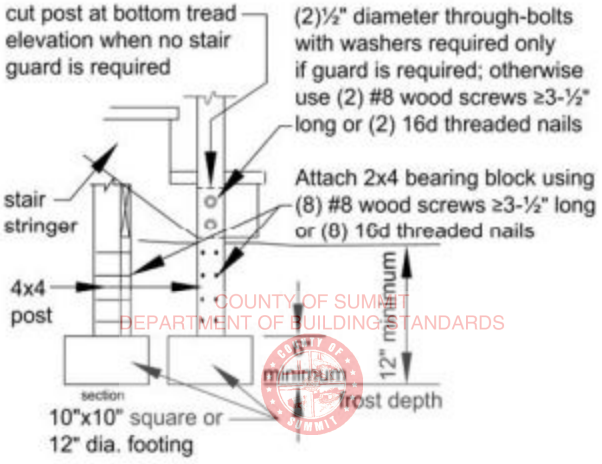

Table 5. Fastener Spacing for a Southern Pine, Douglas Fir-Larch, or Hem-Fir Deck Ledger or Band or Rim Joist and a 2-inch Nominal Solid-Sawn Spruce-Pine-Fir Band Joist or LVL Rim Joist.[3,4,5,6,8]
(Deck Live Load = 40 psf, Deck Dead Load = 10 psf)

		Joist Span						
	Rim Joist or Band Joist	6'-0" and less	6'-1" to 8'-0"	8'-1" to 10'-0"	10'-1" to 12'-0"	12'-1" to 14'-0"	14'-1" to 16'-0"	16'-1" to 18'-0"
Connection Details	On-Center Spacing of Fasteners							
½" diameter lag screw[1] with 15/32" maximum sheathing	1" LVL	24"	18"	14"	12"	10"	9"	8"
	1-1/8" LVL	28"	21"	16"	14"	12"	10"	9"
	1-½" Lumber	30"	23"	18"	15"	13"	11"	10"
½" diameter bolt with 15/32" maximum sheathing	1" LVL	24"	18"	14"	12"	10"	9"	8"
	1-1/8" LVL	28"	21"	16"	14"	12"	10"	9"
	1-½" Lumber	36"	36"	34"	29"	24"	21"	19"
½" diameter bolt with 15/32" maximum sheathing and ½" stacked washers[2,7]	1-½" Lumber	36"	36"	29"	24"	21"	18"	16"

1. The tip of the lag screw shall fully extend beyond the inside face of the band or rim joist.
2. The maximum gap between the face of the ledger board and face of the wall sheathing shall be ½".
3. Ledgers shall be flashed or caulked to prevent water from contacting the house band joist (see Figures 14 and 15).
4. Lag screws and bolts shall be staggered per Figure 19.
5. Deck ledgers shall be minimum 2x8 pressure-preservative-treated No.2 grade lumber, or other *approved* materials as established by standard engineering practice.
6. When solid-sawn pressure-preservative-treated deck ledgers are attached to engineered wood products (minimum 1" thick wood structural panel band joist or structural composite lumber including laminated veneer lumber), the ledger attachment shall be designed in accordance with accepted engineering practice. Tabulated values based on 300 lbs and 350 lbs for 1" and 1-1/8" LVL rim joist, respectively.
7. Wood structural panel sheathing, gypsum board sheathing, or foam sheathing shall be permitted between the band or rim joist and ledger. Stacked washers are permitted in combination with wood structural panel sheathing, but are not permitted in combination with gypsum board or foam sheathing. The maximum distance between the face of the ledger board and the face of the band joist shall be 1".
8. Fastener spacing also applies to Southern Pine, Douglas Fir-Larch, and Hem-Fir band or rim joists.

Figure 32A. Handrail Mounting Examples.

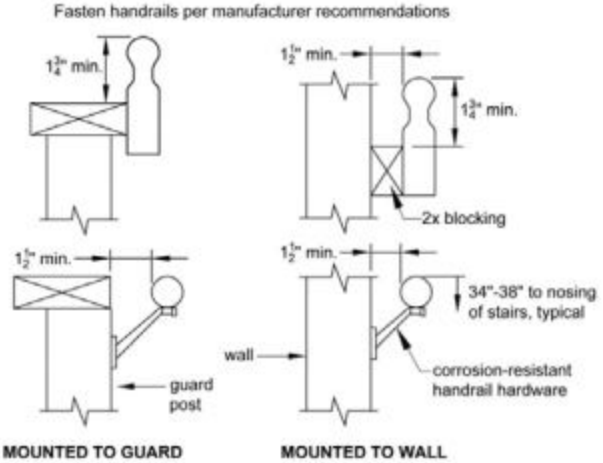

Figure 32B. Handrail Grip Size.