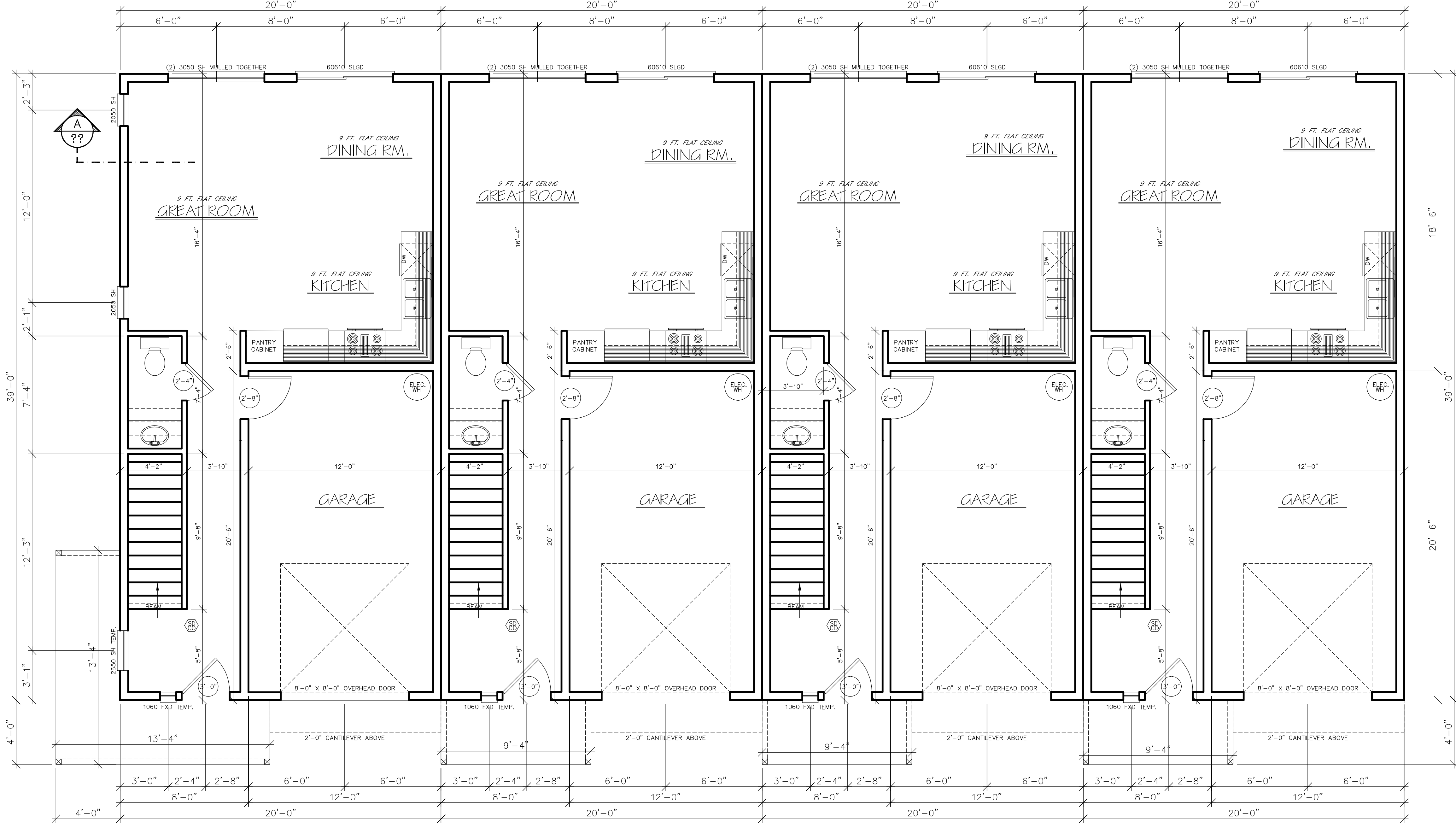


TYPICAL WALL SECTION

SCALE: N.T.S.



FIRST FLOOR PLAN

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

BUILDING COMPONENT	STANDARD BASE CASE		LOG HOMES ONLY	
	REQUIRED PERFORMANCE	EQUIV. VALUE ^a B	REQUIRED PERFORMANCE	EQUIV. VALUE ^a B
WALL INSULATION—ABOVE GRADE	U=0.059 ^c	R=21 INTERMEDIATE ^c	NOTE d	NOTE d
WALL INSULATION—BELOW GRADE ^e	C=0.063	R=15 c.i./R=21	C=0.063	R=15/R=21
FLAT CEILINGS ^f	U=0.021	R=49	U=0.020	R=49 A ^h
VAULTED CEILING ^g	U=0.033	R=30 RAFTER OR R=30A ^{g,h} SCISSOR TRUSS	U=0.027	R=38A ^h
UNDERFLOORS	U=0.033	R=30	U=0.033	R=30
SLAB—EDGE PERIMETER ^m	F=0.520	R=15	F=0.520	R=15
HEATED SLAB INTERIOR ⁱ	N/A	R=10	N/A	R=10
WINDOWS ^j	U=0.27	U=0.27	U=0.27	U=0.27
SKYLIGHTS	U=0.50	U=0.50	U=0.50	U=0.50
EXTERIOR DOORS ^k	U=0.20	U=0.20	U=0.54	U=0.54
EXTERIOR DOORS WITH > 2.5 FT ² GLAZING ^l	U=0.40	U=0.40	U=0.40	U=0.40

FOR S: 1 INCH = 25.4 MM, 1 SQUARE FOOT = 0.0929 M², 1 DEGREE = 0.0175 RAD, N/A = NOT APPLICABLE.

- a. AS ALLOWED IN SECTION N1104.1, THERMAL PERFORMANCE OF A COMPONENT MAY BE ADJUSTED PROVIDED THAT OVERALL HEAT LOSS DOES NOT EXCEED THE TOTAL RESULTING FROM CONFORMANCE TO THE REQUIRED U-FACTOR STANDARDS. CALCULATIONS TO DOCUMENT EQUIVALENT HEAT LOSS SHALL BE PERFORMED USING THE PROCEDURE AND APPROVED U-FACTORS CONTAINED IN TABLE N1104.1(1).
- b. R-VALUES USED IN THIS TABLE ARE NOMINAL FOR THE INSULATION ONLY IN STANDARD WOOD FRAMED CONSTRUCTION AND NOT FOR THE ENTIRE ASSEMBLY.
- c. WALL INSULATION REQUIREMENTS APPLY TO ALL EXTERIOR WOOD FRAMED, CONCRETE OR MASONRY WALLS THAT ARE ABOVE GRADE. THIS INCLUDES CRIPPLE WALLS AND RM JOIST AREAS. NOMINAL COMPLIANCE WITH R=21 INSULATION AND INTERMEDIATE FRAMING (N1104.5.2) WITH INSULATED HEADERS.
- d. THE WALL COMPONENT SHALL BE A MINIMUM SOLID LOG OR TIMBER WALL THICKNESS OF 3.5 INCHES.
- e. BELOW-GRADE WOOD, CONCRETE OR MASONRY WALLS INCLUDE ALL WALLS THAT ARE BELOW GRADE AND DO NOT INCLUDE THOSE PORTIONS OF SUCH WALL THAT EXTEND MORE THAN 24 INCHES ABOVE GRADE. R=21 FOR INSULATION IN FRAMED CAVITY; R=15 CONTINUOUS INSULATION.
- f. INSULATION LEVELS FOR CEILINGS THAT HAVE LIMITED ATTIC/RAFTER DEPTH SUCH AS DORMERS, BAY WINDOWS OR SIMILAR ARCHITECTURAL FEATURES TOTALING NOT MORE THAN 150 SQUARE FEET IN AREA MAY BE REDUCED TO NOT LESS THAN R=21, WHEN REDUCED, THE CAVITY SHALL BE FILLED (EXCEPT FOR REQUIRED VENTILATION SPACES). R=49 INSULATION INSTALLED TO MINIMUM 6-INCHES DEPTH AT TOP PLATE AT EXTERIOR OF STRUCTURE TO ACHIEVE U-FACTOR.
- g. VAULTED CEILING SURFACE AREA EXCEEDING 50 PERCENT OF THE TOTAL HEATED SPACE FLOOR AREA SHALL HAVE A U-FACTOR NO GREATER THAN U=0.026 (EQUIVALENT TO R=38 RAFTER OR SCISSOR TRUSS WITH R=38 ADVANCED FRAMING).
- h. A = ADVANCED FRAME CONSTRUCTION. SEE SECTION N1104.6.
- i. HEATED SLAB INTERIOR APPLIES TO CONCRETE SLAB FLOORS (BOTH ON AND BELOW GRADE) THAT INCORPORATE A RADIANT HEATING SYSTEM WITHIN THE SLAB. INSULATION SHALL BE INSTALLED UNDERNEATH THE ENTIRE SLAB.
- j. SLIDING GLASS DOORS SHALL COMPLY WITH WINDOW PERFORMANCE REQUIREMENTS. WINDOWS EXEMPT FROM TESTING IN ACCORDANCE WITH SECTION NF1111.2, ITEM 3 SHALL COMPLY WITH WINDOW PERFORMANCE REQUIREMENTS IF CONSTRUCTED WITH THERMAL BREAK ALUMINUM OR WOOD, OR VINYL, OR FIBERGLASS FRAMES AND DOUBLE-PANE GLAZING WITH LOW-EMISSIVITY COATINGS OF 0.10 OR LESS. BUILDINGS DESIGNED TO INCORPORATE PASSIVE SOLAR ELEMENTS MAY INCLUDE GLAZING WITH A U-FACTOR GREATER THAN 0.35 BY USING TABLE N1104.1(1) TO DEMONSTRATE EQUIVALENCE TO BUILDING ENVELOPE REQUIREMENTS.
- k. A MAXIMUM OF 28 SQUARE FEET OF EXTERIOR DOOR AREA PER DWELLING UNIT CAN HAVE A U-FACTOR OF 0.54 OR LESS.
- l. GLAZING THAT IS EITHER DOUBLE PANE WITH LOW-E COATING ON ONE SURFACE, OR TRIPLE PANE SHALL BE DEEMED TO COMPLY WITH THIS REQUIREMENT.
- m. MINIMUM 24-INCH HORIZONTAL OR VERTICAL BELOW-GRADE

FIRST FLR. PER UNIT: 534 SQ. FT.
SECOND FLR. PER UNIT: 755 SQ. FT.
TOTAL LIVING PER UNIT: 1289 SQ. FT.
TOTAL LIVING: 5156 SQ. FT.
GARAGE PER UNIT: 246 SQ. FT.
GARAGE TOTAL: 984 SQ. FT.

THIS DESIGNER IS NOT AN ARCHITECT OR ENGINEER AND ASSUMES NO LIABILITY FOR THE PLANS IN PART OR WHOLE AND/OR THE CONSTRUCTION OF THE WORK CONTAINED HERE IN. A QUALIFIED PROFESSIONAL SHOULD REVIEW PLANS FOR ERRORS AND OMISSIONS.

ALL CONNECTIONS & FASTENER'S TO BE PER CODE REQUIREMENTS

BAXTER RD., S.E.
SALEM, OREGON

CONTRACTOR: WIND RIVER HOMES
503-983-9188

DATE: 06-01-23

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

DRAWN:

JOB:

SHEET: A1.1