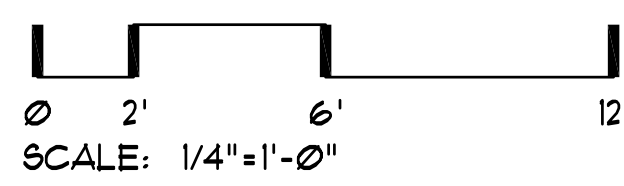


# FLOOR PLAN

1/4" = 1'-0"



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

### GENERAL NOTES

- DOORS BETWEEN GARAGE AND RESIDENCE SHALL BE 20 MIN. RATED. (R309.1) FIRE SEPARATION BETWEEN GARAGE AND RESIDENCE SHALL BE 5/8" TYPE 'X' 1 HR. RATED GYPSUM BD. AT GARAGE AND MIN. 1/2" GYPSUM BOARD AT RESIDENCE.
- EMERGENCY EGRESS WINDOWS: (1) WINDOW IN EACH BEDROOM SHALL HAVE A FINISHED SILL HEIGHT NOT MORE THAN 44" ABOVE THE FLOOR WITH 20" (MIN.) NET CLEARANCE OPENING IN WIDTH OR 24" IN HEIGHT W/ THE OPENABLE SECTION NOT LESS THAN 5.1 SQ. FT. SILL HGT. MUST BE 24" OR MORE AFF. TO COMPLY WITH FALL PROTECTION. (2021 R.S.C. R312.2.1)
- WATER HEATERS SHALL BE STRAPPED TO WALL. ELEVATE GAS APPLIANCES MIN. 18" ABOVE SLAB.
- PROVIDE AN ATTIC ACCESS SCUTTLE TO ALL ATTIC AREAS WITH A HEIGHT GREATER THAN 30". THE MINIMUM OPENING SHALL BE 22" x 30". IF ATTIC MOUNTED APPLIANCES ARE UTILIZED, THE SIZE OF THE OPENING MUST BE SUFFICIENT FOR REMOVAL OF THE EQUIPMENT.
- GLAZING IN LOCATIONS SUBJECT TO HUMAN IMPACT WHERE BOTTOM EDGE IS LESS THAN 18" ABOVE FLOOR OR VERTICAL EDGE IS WITHIN 24" ARC OF ANY DOOR IN A CLOSED POSITION, SHALL BE TEMPERED GLASS.
- PROVIDE 3-FT. X 3-FT. LANDING ON EACH SIDE OF AN EGRESS DOOR NOT MORE THAN 1-1/2" LOWER THAN THE TOP OF THE THRESHOLD. EXCEPTION: LANDING AT THE EXTERIOR OF AN EXTERIOR DOOR SHALL BE NO MORE THAN 8" BELOW THE TOP OF THE THRESHOLD.
- RAILINGS: 36" MINIMUM HEIGHT W/ A MAXIMUM OF 4" AT NEAREST POINT BETWEEN BALLUSTERS.
- NO WOOD SIDING, SHEATHING, OR WALL FRAMING WITHIN 6" OF FINISHED GRADE.
- ALL MOISTURE SENSITIVE WOOD FRAMING MEMBERS USED SHALL HAVE A MAXIMUM 18% MOISTURE CONTENT PER THE 2021 RESIDENTIAL SPECIALTY CODE

### ROOF BEAM TABLE

MARK	SIZE	REMARKS
RB1	3-1/2" X 11-7/8" V.L.	GARAGE DOOR HDR
RB2	3-1/2" X 9-1/2" V.L.	TOP @ 9'-1" PL.
RB3	5-1/4" X 9-1/2" V.L.	TOP @ 9'-1" PL.

### PRESCRIPTIVE ENVELOPE REQUIREMENTS

INSULATION:	WALLS-ABOVE GRADE = 6" HD. BATTS R-23	U-0.059
	WALLS-BELOW GRADE = 6" HD. BATTS R-21	C-0.063
	CEILING FLAT = BLOK-IN R-49	U-0.021
CEILING VAULTED = 10" BATTS R-38		U-0.033
	UNDER FLOORS = 10" BATTS R-38	U-0.033
SLAB EDGE/PERIMETER = 3" RIGID R-15		F-0.520
	HEATED SLAB/INTERIOR = 2" RIGID R-10	N/A
WINDOWS:	VINYL = CLEAR / LOW 'E' / ARGON	U-0.21
	SKYLIGHTS: METAL - CLEAR / LOW 'E' / ARGON	U-0.50
DOORS:	MAIN ENTRY = WOOD / GLASS (28 s.f. MAX)	U-0.54
	OTHER DR8 = METAL / INSUL.	U-0.20
HVAC:	DOORS W/ GREATER THAN 25 s.f. OF GLAZING	U-0.40
	DUCT INSULATION R-8	N/A

### ADDITIONAL ENERGY MEASURES PER TABLE N1001.1(2) ENVELOPE ENHANCEMENT MEASURE:

- HIGH EFFICIENCY HVAC SYSTEM = GAS-FIRED FURNACE WITH MINIMUM AFUE OF 94%.

SEALING OF THE ENTIRE BUILDING ENVELOPE SHALL INCLUDE ALL METHODS FOR ALL COMPONENTS LISTED ON TABLE N104.8 OF THE O.R.S.C. OR THE DUELLING SHALL BE TESTED TO DEMONSTRATE A BLOWER DOOR RESULT NOT GREATER THAN 4.0 ACH50.

ALL NEW DUCT SYSTEMS AND AIR HANDLING EQUIPMENT AND APPLIANCES SHALL BE LOCATED FULLY WITHIN THE BUILDING THERMAL ENVELOPE. (O.R.S.C. N109.3)

### EXCEPTIONS:

- VENTILATION INTAKE & EXHAUST DUCTWORK.
- UP TO 5% OF THE LENGTH OF AN HVAC SYSTEM DUCTWORK CAN BE LOCATED OUTSIDE OF THE THERMAL ENVELOPE.
- DUCTS DEEPLY BURIED IN INSULATION IN ACCORDANCE WITH THE FOLLOWING:
  - INSULATION SHALL BE INSTALLED TO FILL THE GAPS AND VOIDS BETWEEN THE DUCT AND CEILING, AND A MINIMUM OF R-19 INSULATION SHALL BE INSTALLED ABOVE THE DUCT BETWEEN THE DUCT AND THE UNCONDITIONED ATTIC.
  - INSTALLATION DEPTH MARKER FLAGS SHALL BE INSTALLED ON THE DUCTS EVERY 10 FEET.

### MECHANICAL VENTILATION

THE WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM SHALL PROVIDE BALANCED VENTILATION. LOCAL EXHAUST OR SUPPLY FANS ARE PERMITTED TO SERVE AS PART OF SUCH A SYSTEM. OUTDOOR AIR VENTILATION PROVIDED BY A SUPPLY FAN DUCTED TO THE RETURN SIDE OF AN AIR HANDLER SHALL BE CONSIDERED AS PROVIDING SUPPLY VENTILATION FOR THE BALANCED SYSTEM.

THE MINIMUM VENTILATION IN CUBIC FEET PER MINUTE =  
 0.01 x 1560 s.f. + 1.5 x 4 = 38 cfm

REVISIONS	BY

**CASCADE DESIGN STUDIO**  
 JEFF MAYFIELD DESIGNER

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 MEDFORD, OREGON 97504  
 (541) 772-1411

PROJECT FOR:  
 PROPOSED RESIDENCE FOR:  
 GARY RAY HOMES

PROJECT ADDRESS:  
 3741 FOLIUM STREET  
 MEDFORD, OREGON

SHEET TITLE  
 FLOOR PLAN

1560CR

BUILDING SQ. FT.	
RESIDENCE :	1560 SF.
GARAGE:	432 SF.
COVERED AREAS :	155 SF.
TOTAL BUILDING AREA :	2,147 SF.

DRAWN:	SHEET NO.
JM	A-1
JOB NUMBER: CDS-2330	OF 6 SHEETS
DATE: 04/26/23	