



F L O O R P L A N

1/4" = 1'-0"

0 2' 6' 12'

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

PRESCRIPTIVE ENVELOPE REQUIREMENTS	
INSULATION: WALLS-ABOVE GRADE = 6" HD. BATTS R-21 WALLS-BELOW GRADE = 6" HD. BATTS R-21 CEILING FLAT = BLOW-IN R-49 CEILING VAULTED = 10" BATTS R-38 UNDER FLOORS = 10" BATTS R-30 SLAB EDGE/PERIMETER = 3" RIGID R-15 HEATED SLAB/INTERIOR = 2" RIGID R-10	U-0.059 C-0.063 U-0.021 U-0.033 U-0.033 F-0.520 N/A
WINDOWS: VINYL - CLEAR / LOW 'E' / ARGON	U-0.27
SKYLIGHTS: METAL - CLEAR / LOW 'E' / ARGON	U-0.50
DOORS: MAIN ENTRY = WOOD / GLASS (20 s.f. MAX) OTHER DR'S = METAL / INSUL. DOORS W/ GREATER THAN 25 s.f. OF GLAZING	U-0.54 U-0.20 U-0.40
HVAC: DUCT INSULATION R-8	N/A
ADDITIONAL ENERGY MEASURES PER TABLE N101(K2) ENVELOPE ENHANCEMENT MEASURE: 1. 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. THE DWELLING 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. N105.3)	
EXCEPTIONS: 1. VENTILATION INTAKE & EXHAUST DUCTWORK. 2. UP TO 5% OF THE LENGTH OF AN HVAC SYSTEM DUCTWORK CAN BE LOCATED OUTSIDE OF THE THERMAL ENVELOPE. 3. DUCTS DEEPLY BURIED IN INSULATION IN ACCORDANCE WITH THE FOLLOWING: a. 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. b. INSTALLATION DEPTH MARKER FLAGS SHALL BE INSTALLED ON THE DUCTS EVERY 10 FEET.	

ELECTRICAL SYMBOL LEGEND	
(2) OR (4) LAMP SURFACE MOUNT FLUORESCENT FIXTURE	UNDER CABINET FLUORESCENT LIGHT
RECESSED FLUORESCENT OR LED CANISTER FIXTURE	RECESSED FLUOR OR LED DIRECTIONAL CANISTER FIXTURE
WALL MOUNT FLUORESCENT OR LED FIXTURE	SURFACE MOUNT FLUORESCENT OR LED FIXTURE
120V DUPLEX WALL OUTLET	220V WALL OUTLET
EXHAUST FAN	HEAT LAMP & EXHAUST FAN
TELEPHONE RECEPTACLE	WALL SWITCH
WALL SWITCH (3-WAY)	T.V. CABLE
SMOKE DETECTOR	CARBON MONOXIDE DETECTOR
FLOOR OUTLET	
ELECTRICAL NOTES	
1. KITCHEN, BATH, GARAGE, & OUTDOOR RECEPTACLES SHALL HAVE GROUND FAULT CIRCUIT PROTECTION IN ACCORDANCE W/ NEC 210.8. ALL EXTERIOR RECEPTACLES TO BE WEATHER RESISTANT RATED.	
2. TAMPER RESISTANT RECEPTACLES REQUIRED AT ALL LOCATIONS.	
3. 100% OF LIGHTING FIXTURES SHALL BE LED, COMPACT OR LINEAR FLUORESCENT, OR A LIGHTING SOURCE THAT HAS A MINIMUM EFFICACY OF 40 LUMENS PER INPUT WATT. SCREW IN COMPACT FLUORESCENT LAMPS COMPLY WITH THIS REQUIREMENT	
4. ARC FAULT PROTECTION IS REQUIRED FOR ALL BEDROOM OUTLETS.	
5. A "SOLAR READY" INTERCONNECTION PATHWAY SHALL BE PROVIDED PER O.R.S.C. N107.4	
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 1,665 s.f. + 1.5 x 3 = 40 cfm	

GENERAL NOTES	
1	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.
2	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 5.7 SQ. FT. SILL HGT. MUST BE 24" OR MORE AFF. TO COMPLY WITH FALL PROTECTION. (2021 R.S.C. R312.1)
3	WATER HEATERS SHALL BE STRAPPED TO WALL. ELEVATE GAS APPLIANCES MIN. 18" ABOVE SLAB.
4	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.
5	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.
6	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.
7	RAILINGS: 36" MINIMUM HEIGHT W/ A MAXIMUM OF 4" AT NEAREST POINT BETWEEN BALLUSTERS.
8	NO WOOD SIDING, SHEATHING, OR WALL FRAMING WITHIN 6" OF FINISHED GRADE.
9	ALL MOISTURE SENSITIVE WOOD FRAMING MEMBERS USED SHALL HAVE A MAXIMUM 19% 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	3-1/4" X 9-1/2" V.L.	TOP @ 9'-1" FL.
RB3	5-1/4" X 11-7/8" V.L.	TOP @ 9'-1" FL.
RB4	DELETED	
RB5	3-1/2" X 11-7/8" V.L.	REST ON 9'-1" FL.

CASCADE DESIGN STUDIO
JEFF MAYFIELD DESIGNER

815-B ALDER CREEK DRIVE
MEDFORD, OREGON 97504
(541) 772-1411

PROJECT FOR:
PROPOSED RESIDENCE FOR: GARY RAY HOMES

PROJECT ADDRESS:
3733 FOLIUM STREET
MEDFORD, OREGON

SHEET TITLE
FLOOR PLAN

BUILDING SQ. FT.	
RESIDENCE :	1660 SF.
GARAGE :	423 SF.
COVERED AREAS :	235 SF.
TOTAL LOT COVERAGE :	2,318 SF.

1660L	
DRAWN: JM	SHEET NO.
JOB NUMBER: CDS-2228	A-1
DATE: 04/26/23	OF 5 SHEETS

REVISIONS	BY