OPTION	GLAZING AREA: % OF FLOOR (IO)	GLAZING U-FACTOR		DOOR U-FACTOR	CEILING	VAULTED CEILING	WALL ABOVE GRADE	MALL- INT. BEL <i>O</i> M	WALL- EXT. BEL <i>O</i> W	FLOOR	SLAB ON GRADE
		VERTICAL	OVERHEAD (II)	(9)	(2)	(3)	(12)	GRADE (4)	GRADE (4)	(5)	(6)
1.	13%	0.34	0.50	0.20	R-49 OR R-38 ADV	R-38	R-21 INT.	R-2I TB	R-10	R-30	R-10 2'
II.	25%	0.32	0.50	0.20	R-49 <i>O</i> R R-38 ADV		R-21 INT. (7)	R-2I TB	R-10	R-30	R-10 2'
III.	UNLIMITED	0.30	0.50	0.20	R-49 <i>O</i> R R-38 ADV		R-21 INT.	R-2I TB	R-10	R-30 U=0.029	R-10 2'

- O. NOMINAL R-VALUES ARE FOR WOOD FRAME ASSEMBLIES ONLY OR ASSEMBLIES BUILT IN ACCORDANCE WITH SECTION 601.1.
- MINIMUM REQUIREMENTS FOR EACH OPTION LISTED. FOR EXAMPLE, IF A PROPOSED DESIGN HAS A GLAZING RATIO TO THE CONDITIONED FLOOR AREA OF 13%, IT SHALL COMPLY WITH ALL OF THE REQUIREMENTS OF THE 15% GLAZING OPTION (OR HIGHER). PROPOSED DESIGNS WHICH CANNOT MEET THE SPECIFIC REQUIREMENTS OF A LISTED OPTION ABOVE MAY CALCULATE COMPLIANCE BY CHAPTERS 4 OR 5 OF THIS CODE.
- 2. REQUIREMENT APPLIES TO ALL CEILINGS EXCEPT SINGLE RAFTER OR JOIST VAULTED CEILINGS COMPLYING WITH NOTE 3. 'ADV' DENOTES ADVANCED FRAMED CEILING.
- 3. REQUIREMENT APPLICABLE ONLY TO SINGLE RAFTER OR JOIST VAULTED CEILINGS.
- BELOW GRADE WALLS SHALL BE INSULATED EITHER ON THE EXTERIOR TO A MINIMUM LEVEL OF R-10 CONTINUOUS, OR ON THE INTERIOR AS A FRAMED WALL. EXTERIOR INSULATION INSTALLED ON BELOW GRADE WALLS SHALL BE A WATER RESISTANT MATERIAL, MANUFACTURED FOR ITS INTENDED USE, AND INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. SEE SECTION 602.2.
- 5. FLOORS OVER CRAWL SPACES OR EXPOSED TO AMBIENT AIR CONDITIONS
- 6. REQUIRED SLAB PERIMETER INSULATION SHALL BE A WATER RESISTANT MATERIAL, MANUFACTURED FOR ITS INTENDED USE, AND INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS. SEE SECTION 602.4. FOR SLABS INSIDE A FOUNDATION WALL, THE INSULATION SHALL BE INSTALLED TO PROVIDE A THERMAL BREAK (TB) BETWEEN THE SLAB EDGE AND THE FOUNDATION. MONOLITHIC SLABS SHALL INCLUDE INSULATION, INSTALLED OUTSIDE THE FOUNDATION WALL, AND SHALL EXTEND DOWNMARD FROM THE TOP OF THE SLAB FOR A MINIMUM DISTANCE OF 24 INCHES OR DOWNWARD AND THEN HORIZONTALLY FOR A MINIMUM COMBINED DISTANCE OF 24 INCHES. MONOLITHIC SLABS SHALL ALSO INCLUDE R-10 INSULATION UNDER THE NON-LOAD-BEARING PORTIONS OF THE SLAB.
- INT. DENOTES STANDARD FRAMING 16 INCHES ON CENTER WITH HEADERS INSULATED WITH A MINIMUM OF R-10 INSULATION.
- 8. RESERVED.
- . DOORS, INCLUDING ALL FIRE DOORS, SHALL BE ASSIGNED DEFAULT U-FACTORS FROM TABLE 10-6C.
- IO. WHERE A MAXIMUM GLAZING AREA IS LISTED, THE TOTAL GLAZING AREA (COMBINED VERTICAL PLUS OVERHEAD) AS A PERCENT OF GROSS CONDITIONED FLOOR AREA SHALL BE LESS THAN OR EQUAL TO THAT VALUE. OVERHEAD GLAZING WITH U-FACTOR OF U=0.35 OR LESS IS NOT INCLUDED IN GLAZING AREA LIMITATIONS.
- OVERHEAD GLAZING SHALL HAVE U-FACTORS DETERMINED IN ACCORDANCE WITH NFRC 100 OR AS SPECIFIED IN SECTION 502.1.5.
- 12. LOG AND SOLID TIMBER WALLS WITH A MINIMUM AVERAGE THICKNESS OF 3.5" ARE EXEMPT FROM THIS INSULATION REQUIREMEN

WHOLE HOUSE VENTILATION

SPECIFICATIONS FROM THE 2009 IRC SECTIONS MI507 \$ MI508

SOURCE SPECIFIC VENTILATION REQUIREMENTS.

- MINIMUM EXHAUST FAN REQUIREMENTS: A. BATHROOMS, LAUNDRIES AND POWDER ROOMS - 50 CFM @ 0.25" W.G.
- KITCHENS 100 CFM @ 0.25" W.G. (RANGE HOOD OR DOWN DRAFT EXHAUST FAN RATED AT MIN.. 100 CFM @ 0.10" W.G. MAY BE USED FOR EXHAUST FAN REQUIREMENTS.) EXHAUST DUCT REQUIREMENTS:
- INSULATE TO R-4 (MIN..) IN UNCONDITIONED SPACES.
- EQUIP WITH A BACK DRAFT DAMPER.
- C. TERMINATE OUTSIDE THE BUILDING.

PRESCRIPTIVE REQUIREMENTS FOR: OPTION I. INTERMITTENT WHOLE HOUSE VENTILATION USING EXHAUST FANS (IRC MI508.4). OUTDOOR AIR SHALL BE SUPPLIED TO ALL HABITABLE ROOMS AT FLOW RATES SPECIFIED IN TABLE MI508.2 ON THIS SHEET, USING THE FOLLOWING METHODS:

- ROOM OUTDOOR AIR INLETS SHALL COMPLY WITH THE FOLLOWING:
- HAVE CONTROLLABLE AND SECURE OPENINGS.
- BE SLEEVED OR DESIGNED SO AS TO NOT COMPROMISE THE THERMAL PROPERTIES OF THE WALL OR WINDOW IN WHICH THEY ARE PLACED. PROVIDE A MINIMUM OF FOUR SQUARE INCHES OF NET FREE AREA OF OPENING FOR EACH
- HABITABLE SPACE. PROVISIONS SHALL BE MADE TO ENSURE AIR FLOW BY THE INSTALLATION OF
- DISTRIBUTION DUCTS, TRANSOMS, INSTALLATION OF GRILLES, UNDERCUTTING DOORS A MINIMUM OF ½" ABOVE THE FINISHED FLOOR COVERINGS, OR SIMILAR MEANS.
- 2. WHOLE HOUSE EXHAUST FANS SHALL:
- BE SIZED ACCORDING TO TABLE MI508.2 ON THIS SHEET.
- BE FLOW RATED AT 0.25" W.G. SOUND RATED AT I.O SONES MAXIMUM
- WHOLE HOUSE EXHAUST FAN CONTROLS: BE CONTROLLED BY A 24-HOUR CLOCK TIMER.
- PROVIDE CAPABILITY OF CONTINUOUS OPERATION, MANUAL AND AUTOMATIC CONTROL
- THE 24-HOUR CLOCK TIMER SHALL BE READILY ACCESSIBLE.
- AT THE TIME OF FINAL INSPECTION, THE AUTOMATIC CONTROL TIMER SHALL BE SET TO OPERATE THE WHOLE HOUSE FAN FOR AT LEAST & HOURS A DAY.
- A LABEL SHALL BE AFFIXED TO THE CONTROL THAT READS "WHOLE HOUSE VENTILATION (SEE OPERATING INSTRUCTIONS)".
- WHOLE HOUSE EXHAUST DUCTS:
- BE INSULATED TO A MINIMUM R-4 IN UNCONDITIONED SPACES.
- TERMINATE OUTSIDE THE BUILDING.

NOT FOR CONSTRUCTION

IRC TABLE MI508.2 MINIMUM VENTILATION RATES (CONTINUOUSLY OPERATING SYSTEMS)

LOOR AREA	BEDROOMS (I)								
(SQ. FT.)	0 - 1	2 - 3	4 - 5	6 - 7	>7				
<1500	30	45	60	75	90				
501 - 3000	45	60	75	90	105				
8001 - 4500	60	75	90	105	120				
1501 - 6000	75	90	105	120	135				
001 - 7500	90	105	120	135	150				
>7500	105	120	135	150	165				

. VENTILATION RATES IN TABLE ARE MINIMUM OUTDOOR AIRFLOW

RATES MEASURED IN CFM.

INSULATION & MOISTURE PROTECTION

GENERAL

UNLESS NOTED OTHERWISE, INSULATION SHALL CONFORM TO THE WASHINGTON STATE ENERGY CODES. INSULATION BAFFLES TO MAINTAIN I" CLEAR SPACE ABOVE INSULATION. BAFFLES TO EXTEND 6" ABOVE BATT INSULATION \$ 12" ABOVE LOOSE FILL INSULATION. INSULATE BEHIND BATHTUBS, SHOWERS, PARTITIONS AND CORNERS. PROVIDE FACE STAPLED BATTS OR FRICTION FIT FACED BATTS. PROVIDE 4 MIL (0.004") POLYETHYLENE VAPOR BARRIER AT WALLS OR USE PVA PAINT WITH A DRY CUP PERM RATING OF ONE (MAX.). PROVIDE R-10 INSULATION UNDER ELECTRIC WATER HEATERS.

INFILTRATION CONTROL

- EXTERIOR JOINTS AROUND WINDOWS AND DOOR FRAMES, OPENINGS BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AND ROOF AND BETWEEN WALL PANELS, OPENINGS AT PENETRATIONS OF UTILITY SERVICES THROUGH WALLS, FLOORS, AND ROOF, AND ALL OTHERS SUCH OPENINGS IN THE BUILDING ENVELOPE, INCLUDING ACCESS PANELS INTO UNHEATED SPACES, SHALL BE SEALED, CAULKED, GASKETED OR WEATHER-STRIPPED TO LIMIT AIR INFILTRATION.
- ALL EXTERIOR DOORS, OTHER THAN FIRE-RATED DOORS, SHALL BE DESIGNED TO LIMIT AIR INFILTRATION AROUND THEIR PERIMETER WHEN IN A CLOSED POSITION. DOORS BETWEEN RESIDENCE AND GARAGE ARE NOT CONSIDERED "FIRE-RATED" AND MUST MEET THE ABOVE REQUIREMENT.
- ALL EXTERIOR WINDOWS SHALL BE DESIGNED TO ADMIT AIR INFILTRATION INTO OR FROM THE BUILDING ENVELOPE WHICH SHALL BE SUBSTANTIATED BY TESTING TO STANDARD ASTM E 283.73. SITE BUILT AND MILLWORK SHOP MADE WOODEN SASH ARE EXEMPT FROM TESTING BUT SHALL BE WEATHER-STRIPPED, CAULKED AND MORE TIGHTLY FITTING. RECESSED LIGHT FIXTURES TO LIMIT AIR LEAKAGE PER M.S.E.C.

PIPING FOR HOT WATER / STEAM SYSTEMS OF PIPING FOR CONTINUOUSLY CIRCULATING HOT WATER SERVICE IS REQUIRED TO BE INSULATED PER THE W.S.E.C. SERVICE WATER PIPING SHALL BE INSULATED TO A MINIMUM OF R-3.

<u>VAPOR BARRIERS / GROUND COVERS</u>

AN APPROVED VAPOR BARRIER SHALL BE PROPERLY INSTALLED IN ROOF DECKS, IN ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, AND AT EXTERIOR WALLS. INSET STAPLED BATTS WITH A PERM RATING LESS THAN ONE MAY BE INSTALLED IF THE VAPOR BARRIER IS TO THE WARM SIDE, STAPLES SHALL BE PLACED NOT MORE THAN 8" O.C. AND GAPS BETWEEN THE FACING AND THE FRAMING SHALL NOT EXCEED 1/16"

A GROUND COVER OF 6 MIL (0.006") BLACK POLYETHYLENE OR EQUIVALENT SHALL BE LAID OVER THE GROUND IN ALL CRAWL SPACES. THE GROUND COVER SHALL BE OVERLAPPED ONE FOOT AT EACH JOINT AND SHALL EXTEND TO THE FOUNDATION WALL.

THE NET FREE VENTILATING AREA FOR ATTIC VENTILATION MAY BE 1/300 OF THE AREA OF THE VENTILATED SPACE PROVIDED THAT A VAPOR BARRIER HAVE A PERM RATING NOT EXCEEDING ONE IS INSTALLED ON THE WARM SIDE OF THE INSULATION.

DOORS, WINDOWS AND SKYLIGHTS

THE REQUIRED EGRESS DOOR MAY HAVE A MAXIMUM 7 3/4" STEP FROM TOP OF THE THRESHOLD TO A MINIMUM 36" DEEP LANDING. OTHER EXTERIOR DOORS MAY HAVE A MAXIMUM (2) 7 3/4" STEPS TO A MIN.. 36" DEEP LANDING. ALL GLAZING SHALL MEET THE REQUIREMENTS OF THE W.S.E.C. TABLE 6-I UNLESS NOTED OTHERWISE. ALL SKYLIGHTS AND SKYWALLS SHALL HAVE LAMINATED GLASS UNLESS NOTED OTHERWISE. ALL BEDROOM EMERGENCY EGRESS WINDOWS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET. MINIMUM NET CLEAR OPERABLE WIDTH OF 20" AND A MINIMUM NET CLEAR OPENING HEIGHT OF 24", MAXIMUM FINISHED SILL HEIGHT OF 44" ABOVE FLOOR. OPERABLE WINDOWS WITH A SILL OF MORE THAN 72" ABOVE FINISHED GRADE AND WITHOUT AN ADJACENT ROOF WITH MAX 4:12 SLOPE, TO BE A MINIMUM OF 24" ABOVE ADJACENT FINISHED FLOOR.

SAFETY GLAZING LOCATIONS PER 2009 IRC SECTION R308.4 GLAZING IN ALL FIXED AND OPERABLE PANELS OF SMINGING, SLIDING AND BI-FOLD

- 2. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24 INCH ARC OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR OR WALKING
- SURFACE. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
- 3.1. THE EXPOSED AREA OF AN INDIVIDUAL PANEL IS LARGER THAN 9 SQUARE FEET AND: 3.2. THE EXPOSED BOTTOM EDGE OF THE GLAZING IS LESS THAN 18" ABOVE THE FLOOR
- 3.3. THE TOP EDGE OF THE GLAZING IS MORE THAN 36" ABOVE THE FLOOR AND: 3.4. ONE OR MORE WALKING SURFACES ARE WITHIN 36" MEASURED HORIZONTALLY
- AND IN A STRAIGHT LINE, OF THE GLAZING. ALL GLAZING IN RAILINGS REGARDLESS OF AREA OR HEIGHT ABOVE A WALKING SURFACE.
- INCLUDED ARE STRUCTURAL BALUSTER PANELS AND NONSTRUCTURAL INFILL PANELS. GLAZING IN ENCLOSURES FOR OR WALLS FACING HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, AND SHOWERS. WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING
- SURFACE. 6. GLAZING IN WALLS AND FENCES ADJACENT TO INDOOR AND OUTDOOR SWIMMING POOLS, HOT TUBS, AND SPAS WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60" ABOVE A WALKING SURFACE AND WITHIN 60" MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE WATER'S EDGE. THIS SHALL APPLY TO SINGLE GLAZING AND ALL PANES IN
- MULTIPLE GLAZING. GLAZING ADJACENT TO STAIRWAYS, LANDINGS AND RAMPS WITHIN 36" HORIZONTALLY OF A WALKING SURFACE WHEN THE EXPOSED SURFACE OF THE GLAZING IS LESS THAN 60" ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE.
- 8. GLAZING ADJACENT TO THE STAIRWAYS WITHIN 60" HORIZONTALLY OF THE BOTTOM TREAD OF A STAIRWAY IN ANY DIRECTION WHEN THE EXPOSED SURFACE OF THE GLAZING IS LESS THAN 60" ABOVE THE NOSE OF THE TREAD.

FOR EXCEPTIONS SEE IRC SECTION R308.4

MECHANICAL

SOLID FUEL BURNING APPLIANCES INCLUDE AIRTIGHT STOVES, FIREPLACE STOVES, ROOM BEATERS, FACTORY BUILT FIREPLACES AND FIREPLACE INSERTS. ALL SOLID FUEL BURNING APPLIANCES SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 24 OF THE 2009 INTERNATIONAL RESIDENTIAL CODE.

HEATING

EACH DWELLING UNIT SHALL BE PROVIDED WITH HEATING FACILITIES CAPABLE OF MAINTAINING A TEMPERATURE OF 68 DEGREES FAHRENHEIT AT A HEIGHT OF 3'-0" ABOVE THE FLOOR AND TWO FEET FROM EXTERIOR WALLS IN ALL HABITABLE ROOMS WHEN THE OUTSIDE TEMPERATURE IS AS SET FORTH IN THE M.S.E.C.

- DEFINITION OF BUILDING ENVELOPE FROM THE WASHINGTON STATE ENERGY CODE: THE ELEMENTS OF A BUILDING WHICH ENCLOSE CONDITIONED SPACES THROUGH WHICH THERMAL ENERGY MAY BE TRANSFERRED TO OR FROM THE EXTERIOR EXCEPT AS EXEMPTED BY THE W.S.E.C.
- FUEL BURNING APPLIANCES LOCATED WITHIN THE BUILDING ENVELOPE SHALL OBTAIN AIR
- FROM OUTDOORS, MEETING THE PROVISIONS OF CHAPTER 24 OF THE 2009 IRC. FUEL BURNING APPLIANCES LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL MEET THE
- PROVISIONS OF CHAPTER 24 OF THE 2009 IRC. DUCTWORK LOCATION AND SOURCE OF COMBUSTION AIR SHALL MEET THE PROVISIONS OF CHAPTER 16 OF THE 2009 IRC.

ALL WARM AIR FURNACES SHALL BE LISTED AND LABELED BY AN APPROVED AGENCY AND INSTALLED PER CHAPTER MI402 OF THE 2009 IRC.

NO WARM AIR FURNACE SHALL BE INSTALLED IN A ROOM USED OR DESIGNED TO BE USED AS A BEDROOM, BATHROOM, CLOSET OR IN ANY ENCLOSED SPACE WITH ACCESS ONLY THROUGH SUCH ROOM OR SPACE, EXCEPT DIRECT VENT FURNACE, ENCLOSED FURNACES AND ELECTRIC HEATING

NO WARM AIR FURNACE SHALL BE INSTALLED IN A CLOSET OR ALCOVE WITH A SPACE LESS THAN 12" WIDER THAN THE FURNACE OR A CLEARANCE OF 3" ALONG THE SIDES, BACK AND TOP.

LIQUEFIED PETROLEUM GAS BURNING APPLIANCES SHALL NOT BE INSTALLED IN A PIT. BASEMENT OR SIMILAR LOCATION WHERE HEAVIER THAN AIR GASES MIGHT COLLECT. APPLIANCES SO FUELED SHALL NOT BE INSTALLED IN AN ABOVE GRADE UNDER FLOOR SPACE OR BASEMENT UNLESS SUCH LOCATION IS PROVIDED WITH AN APPROVED MEANS FOR REMOVAL OF UNBURNED

HEATING AND COOLING APPLIANCES LOCATED IN A GARAGE AND WHICH GENERATE A GLOW, SPARK OR FLAME CAPABLE OF IGNITING FLAMMABLE VAPORS SHALL BE INSTALLED WITH THE PILOTS AND BURNERS OR HEATING ELEMENTS AND SWITCHES AT LEAST 18" ABOVE THE FLOOR SURFACE.

FIRE DAMPERS NEED NOT BE INSTALLED IN AIR DUCTS PASSING THROUGH THE WALL, FLOOR OR CEILING SEPARATING A RESIDENCE (GROUP B, DIVISION 3 OCCUPANCY) FROM A GARAGE (GROUP M, DIVISION I OCCUPANCY), PROVIDED SUCH DUCTS WITHIN THE GARAGE ARE CONSTRUCTED OF STEEL HAVING A THICKNESS NOT LESS THAN O.019" (NO. 26 GALVANIZED SHEET GAUGE) AND HAVE NO OPENINGS INTO THE GARAGE

WARM AIR FURNACE INSTALLATIONS IN ATTICS OR CRAWL SPACES SHALL COMPLY WITH MI402 OF THE 2009 IRC.

EVERY APPLIANCE DESIGNED TO BE VENTED SHALL BE CONNECTED TO A VENTING SYSTEM COMPLYING WITH CHAPTER IS OF THE 2009 IRC.

EVERY FACTORY BUILT CHIMNEY, TYPE L VENT, TYPE B GAS VENT OR TYPE BW GAS VENT SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF ITS LISTING, MANUFACTURERS INSTALLATION INSTRUCTIONS AND THE REQUIREMENTS PER CHAPTER IO OF THE 2009 IRC.

A TYPE B OR BM GAS VENT SHALL TERMINATE PER CHAPTER 24 OF THE 2009 IRC.

VENT CONNECTORS SHALL BE INSTALLED WITHIN THE SPACE OR AREA IN WHICH THE APPLIANCE IS LOCATED AND SHALL BE CONNECTED TO A CHIMNEY OR VENT IN SUCH A MANNER AS TO MAINTAIN THE CLEARANCE TO COMBUSTIBLES PER SECTION MISOS OF THE 2009 IRC.

HEATING EQUIPMENT

ALL HEATING EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE 1987 NATIONAL APPLIANCE ENERGY CONSERVATION ACT (NAECA) AND BE SO LABELED. EQUIPMENT SHALL ALSO COMPLY WITH SECTION 1411 OF THE W.S.E.C.

FOR GAS AND OIL FIRED EQUIPMENT, OUTPUT MAY HAVE CAPACITY OF 150%-250% OF HEATING DESIGN LOAD PROVIDED THAT IT HAS AN AFUE OF 90% OR GREATER

DUCTMORK

- DUCT SYSTEMS OR FACTORY BUILT AIR DUCTS SHALL BE OF METAL AS SET FORTH BY TABLE 1601.1.1 (1) \$ 1601.1.1 (2) OF THE 2009 IRC.
- RECTANGULAR, FLAT, OVAL AND ROUND DUCT JOINTS AND SEAMS SHALL BE AIRTIGHT PER SECTION MIGOLS.I OF THE 2009 IRC.
- INSTALLATION OF DUCTS SHALL COMPLY WITH SECTION MIGOI.3 OF THE 2009 IRC. DUCT INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH SECTION MIGOI.2.1 OF THE

CARPENTRY

GENERAL

ALL FRAMING SHALL COMPLY WITH THE APPROPRIATE SECTION(S) OF THE 2009 IBC/IRC. PRESSURE TREATED WOOD REQUIRED IN LOCATIONS LISTED IN IRC R317.1

- 2" MINIMUM VERTICAL CLEARANCE BETWEEN WOOD & CONCRETE STEPS, PORCH SLABS, PATIO SLABS & OTHER SIMILAR HORIZONTAL SURFACES EXPOSED TO THE WEATHER. 6" MINIMUM CLEARANCE BETWEEN WOOD AND EARTH.
- 8" MINIMUM CLEARANCE BETWEEN UNTREATED MUSILLS AND EARTH. 12" MINIMUM CLEARANCE BETWEEN FLOOR BEAMS AND EARTH. 18" MINIMUM CLEARANCE BETWEEN FLOOR JOISTS AND EARTH

LOADING

PSF DEAD LOAD	+	25 PSF LIVE LOAD	=	40 PSF
PSF DEAD LOAD	+	40 PSF LIVE LOAD	=	50 PSF
PSF DEAD LOAD	+	IO PSF LIVE LOAD	=	15 PSF
PSF DEAD LOAD	+	40 PSF LIVE LOAD	=	45 PSF
			=	7 PSF
			=	10 PSF
	PSF DEAD LOAD PSF DEAD LOAD	PSF DEAD LOAD + PSF DEAD LOAD +	PSF DEAD LOAD + 40 PSF LIVE LOAD PSF DEAD LOAD + 10 PSF LIVE LOAD	PSF DEAD LOAD + 40 PSF LIVE LOAD = PSF DEAD LOAD + 10 PSF LIVE LOAD = PSF DEAD LOAD + 40 PSF LIVE LOAD = =

WOOD BEARING ON OR INSTALLED WITHIN Y" OF MASONRY OR CONCRETE TO BE TREATED WITH AN APPROVED PRESERVATIVE. SOLID BLOCKING OF NOT LESS THAN 2x THICKNESS SHALL BE PROVIDED AT ENDS AND AT ALL SUPPORT OF JOISTS AND RAFTERS. ANCHOR BOLTS TO BE PER SHEAR WALL SCHEDULE AND FOUNDATION PLAN. 7" MINIMUM EMBEDMENT. ALL METAL FRAMING ANCHORS AND HANGERS SHOWN ON DRAWINGS SHALL BE STRONG TIE CONNECTORS AS MANUFACTURED BY SIMPSON COMPANY.

PROVIDE FIREBLOCKING IN CONCEALED SPACES OF STUD WALLS & PARTITIONS, INCLUDING FURRED SPACES & PARALLEL ROMS OF STUDS OR STAGGERED STUDS AS FOLLOWS:

- VERTICALLY AT THE CEILING & FLOOR LEVELS.
- HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.

PROVIDE FIREBLOCKING AT OTHER LOCATIONS PER 2009 IRC R302.II.

GENERAL

PLANS COMPLY TO THE 2009 INTERNATIONAL RESIDENTIAL CODE.

CONTRACTOR SHALL VERIFY ALL NOTES, DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AS REQUIRED UNTIL ALL PERMANENT CONNECTIONS HAVE BEEN MADE. IT IS THE CONTRACTORS RESPONSIBILITY TO IDENTIFY ALL DISCREPANCIES TO THE ARCHITECT AT THE TIME THEY ARE NOTED. DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS.

CODES:

- ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION SHALL BE FOLLOWED I. 2009 INTERNATIONAL RESIDENTIAL CODE (IRC) WITH WASHINGTON STATE AMENDMENTS (MSA) EXCEPT CHAPTERS II AND 25 THROUGH 42 ARE NOT ADOPTED. WAC51-51
- 2. 2009 INTERNATIONAL BUILDING CODE (IBC) WITH WASHINGTON STATE AMENDMENTS (MSA) MAC51-50 2009 INTERNATIONAL MECHANICAL CODE (IMC) WITH WASHINGTON STATE AMENDMENTS
- (MSA) MAC 51-52 4. 2009 UNIFORM PLUMBING CODE (UPC) WITH WASHINGTON STATE AMENDMENTS, WAC 51-56
- 5. 2009 INTERNATIONAL FIRE CODE WITH WASHINGTON STATE AMENDMENTS (WSA)

6. 2009 WASHINGTON STATE ENERGY CODE (WSEC). WAC 51-11

BUILDING

CONSTRUCTION TYPE: OCCUPANCY GROUP: R-3

> LOCAL JURISDICTION REQUIRES DWELLING UNIT FIRE SPRINKLER SYSTEM PER IRC APPENDIX R

 \square NO

CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

	MIND DESIGN			SUBJECT TO DAMAGE FROM				ICE BARRIER			
GROUND SNOW LOAD	SPEED	TOPO-	SEISMIC DESIGN CATEGORY	WEATHERING	FROST LINE DEPTH	TERMITE	WINTER DESIGN TEMP	UNDER- LAYMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
25 psf	85		D(IBC) D2(IRC)	MODERATE	18"	SLIGHT TO MODERATE		NO			
	EQUIVALENT FLUID PRESSURE = 35 P.C.F. (UNRESTRAINED WALLS) 50 P.C.F. (RESTRAINED WALLS)										

SITE WORK

GENERAL

ALL FOOTINGS TO BEAR ON FIRM, UNDISTURBED EARTH BELOW ORGANIC SURFACE SOILS. ALL BACK FILL MATERIAL SHALL BE THOROUGHLY COMPACTED. FOUNDATION VENTS SHALL NOT INTERFERE WITH THE DIRECT LOAD PATH OF COLUMNS.

NOT FOR CONSTRUCTION



SHEET INDEX

SHEET # |

SHEET #	DESCRIPTION					
	ARCHITECTURAL					
Al	COVERSHEET					
A2	SCHEDULE SHEET					
AS	DETAIL SHEET					
A4	FOUNDATION PLAN					
A5	MAIN FLOOR PLAN					
A6	UPPER FLOOR PLAN					
AT	ROOF FRAMING PLAN					
AS	EXTERIOR ELEVATIONS					
A9	EXTERIOR ELEVATIONS					
AIO	BUILDING SECTIONS & WALL SECTIONS					
	STRUCTURAL					
SI	LATERAL - SHEAR WALLS, HARDWARE & STRUCT. NOTES					
52	LATERAL - SHEAR WALLS, HARDWARE & STRUCT. NOTES					
53	LATERAL - DETAILS FROM ENGINEER					

DESCRIPTION



SI

一|S

DRAWN BY: SWD 4/20/0 TROY CLYMER

JRA 9/1/1

REVISED BY:

XXX

LATERAL JOB NUMBER: XXX-XXX

XXXX

AIO ANW WOODINVILLE OFFICE JOB NUMBER:

MIIOXXX