2015 INTERNATIONAL RESIDENTIAL CODE (WITH WASHINGTON STATE AMENDMENTS) 2015 WSEC

THE MINIMUM WIDTH OF A HALLWAY SHALL BE NOT LESS THAN 3 FT.

EGRESS DOOR (R311.2)

KNOWLEDGE OR EFFORT.

AT LEAST ONE ÈGRESS DOOR SHALL BE PROVIDED FOR EACH DWELLING UNIT. THE EGRESS DOOR SHALL BE SIDE-HINGED AND SHALL PROVIDE A MINIMUM CLEAR WIDTH OF 32 INCHES WHEN MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP. THE MINIMUM CLEAR HEIGHT OF THE DOOR OPENING SHALL NOT BE LESS THAN 78 INCHES IN HEIGHT MEASURED FROM THE TOP OF THE THRESHOLD TO THE BOTTOM OF THE STOP. EGRESS DOORS SHALL BE READILY OPERABLE FROM INSIDE THE DWELLING WITHOUT THE USE OF KEY OR SPECIAL

FLOORS AND LANDINGS AT EXTERIOR DOORS (R311.3) THERE SHALL BE A LANDING OR FLOOR ON EACH SIDE OF EACH EXTERIOR DOOR. THE WIDTH OF EACH LANDING SHALL NOT BE LESS THAN THE DOOR SERVED. EVERY LANDING SHALL HAVE A MINIMUM DIMENSION OF 36 INCHES MEASURED IN THE DIRECTION OF TRAVEL.

EXTERIOR LANDINGS SHALL BE PERMITTED TO HAVE A SLOPE NOT TO EXCEED 1/4 UNIT VERTICAL IN 12 UNITS HORIZONTAL (2%). FLOOR ELEVATIONS AT REQUIRED EGRESS DOORS (R3111.3.1) LANDINGS OR FLOORS AT THE REQUIRED EGRESS DOOR SHALL NOT BE

MORE THAN 1-1/2 INCHES LOWER THAN THE TOP OF THE THRESHOLD.

EMERGENCY ESCAPE AND RESCUE REQUIRED (R310.1) BASEMENTS, HABITABLE ATTICS AND EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPERABLE EMERGENCY ESCAPE AND RESCUE OPENING. WHERE EMERGENCY ESCAPE AND RESCUE OPENINGS ARE PROVIDED THEY SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES ABOVE THE FLOOR. R310.1.1 MINIMUM OPENING AREA: ALL EMERGENCY ESCAPE AND

RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET. R310.1.2 MINIMUM OPENING HEIGHT: THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES.

R310.1.3 MINIMUM OPENING WIDTH. THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES. R310.1.4 EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS, TOOLS OR SPECIAL KNOWLEDGE.

SMOKE ALARMS (R314)

SMOKE DETECTION SHALL BE INSTALLED IN EACH SLEEPING ROOM AND CENTRALLY LOCATED IN ADJACENT CORRIDOR. SMOKE DETECTORS SHALL BE INSTALLED ON EACH FLOOR LEVEL AND IN BASEMENTS. DETECTORS SHALL SOUND AN AUDIBLE ALARM IN ALL SLEEPING AREAS. UNITS WILL BE INTERCONNECTED, HARD WIRED AND ARE TO BE EQUIPPED WITH BATTERY BACK-UP.

CARBON MONOXIDE ALARMS (R315.1)

FOR NEW CONSTRUCTION, AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS IN DWELLING UNITS IN WHICH FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGES.

ALL BEAMS, RAFTERS, JOIST, HDR'S, POSTS AND STUDS ARE TO BE DF#2 GRADE UNLESS OTHERWISE NOTED ON PLAN. ALL WOOD IN CONTACT WITH CONCRETE MUST BE PRESSURE TREATED PER 2012 IRC R502.

SPECIFICATIONS AND CODES REFERENCED IN THESE NOTES ARE THE VERSIONS MOST RECENTLY ADOPTED BY THE PERMITTING AUTHORITIES.

FIELD VERIFY DIMENSIONS AND ELEVATIONS OF EXISTING STRUCTURE PRIOR TO FABRICATION OF MATERIALS.

APPLY, PLACE, ERECT OR INSTALL ALL PRODUCTS AND MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ADEQUATELY BRACING STRUCTURE AND ALL STRUCTURAL COMPONENTS AGAINST WIND, LATERAL EARTH AND SEISMIC FORCES UNTIL THE PERMANENT LATERAL FORCE RESISTING SYSTEMS HAVE BEEN INSTALLED.

PROVIDE BLOCKING BETWEEN STUDS (OR OTHER MEANS OF BRACING) AT WOOD BEARING WALLS TO PREVENT STUD BUCKLING PRIOR TO INSTALLATION OF GYPSUM WALLBOARD.

ALL EXTERIOR DECKS EXPOSED TO WEATHER MUST UTILIZE WEATHER-RESISTANT WOOD SUCH AS CEDAR, REDWOOD, MAHOGANY OR PRESSURE-TREATED WOOD IN ACCORDANCE WITH IRC SECTION R502

RAIN AND LOW POINT DRAINS TO BE SCHEDULE 40 PVC OR ABS WITH DWV FITTINGS

GUTTER AND DOWNSPOUTS TO APPROVED DRAINAGE

NOTICE: FASTENERS FOR PRESSURE PRESERVATIVE TREATED WOOD (ACQ) SHALL BE HOT DIPPED GALVANIZED OR AS PER IRC R502

RADON REDUCTION SYSTEM REQUIREMENTS: PER WSEC, APPENDIX F, WSIAQ, AND 2012 IRC

- MIN SCHEDULE 40 PVC PIPES
- "RADON REDUCTION SYSTEM" LABELS TO BE APPLIED TO PIPING AT ALL ACCESSIBLE LOCATIONS
- MIN 6 MIL BLACK POLY, VAPOR BARRIER WITH 12" **OVERLAPS AT SEAMS**
- ELECTRICAL JUNCTION BOX FOR FUTURE FAN REQUIRED AT ACCESSIBLE LOCATION NEAREST TO PIPE TERMINATION

EXTERIOR ELEVATIONS NOTES AND SPECIFICATIONS

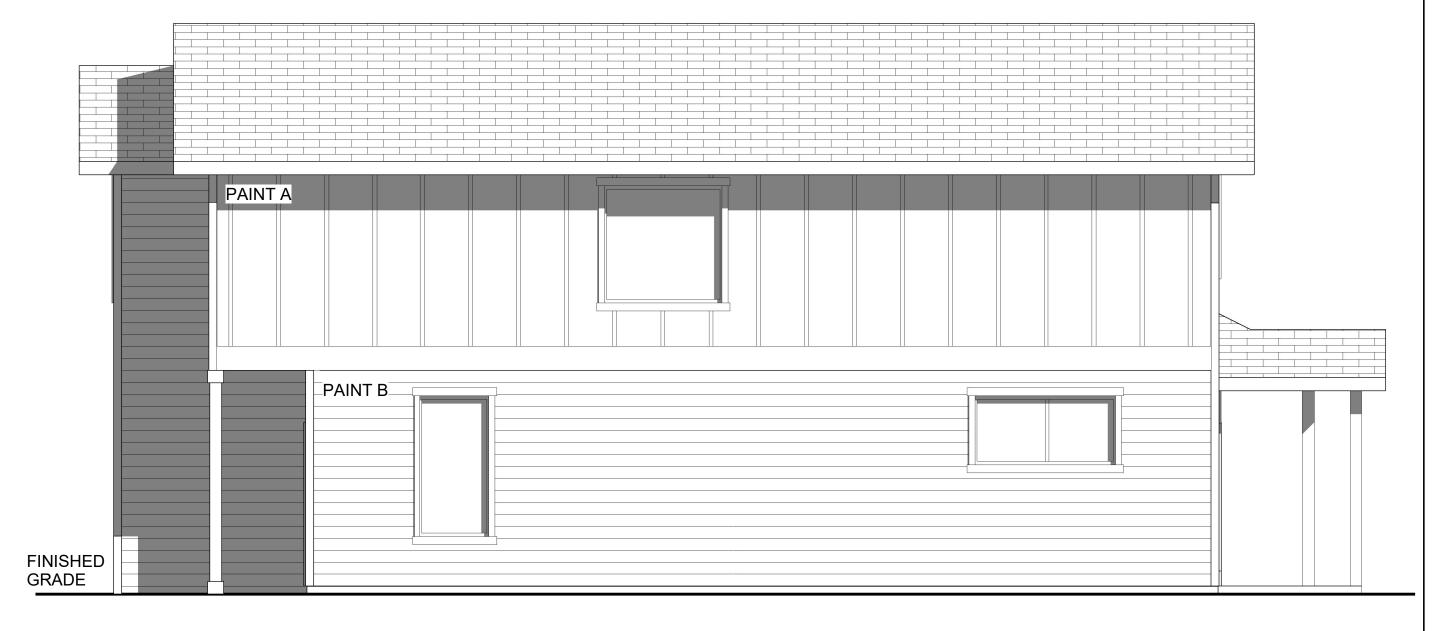
PROVIDE HARD SURFACE AREAS AT ALL EXTERIOR DOOR LOCATIONS

'COMPOSITION' ROOFING AT ALL ROOF STRUCTURES.

'HORIZONTAL' SIDING AT ALL SIDES UNLESS NOTED OTHERWISE.

ROOF PITCH 6:12 AT MAIN ROOF.

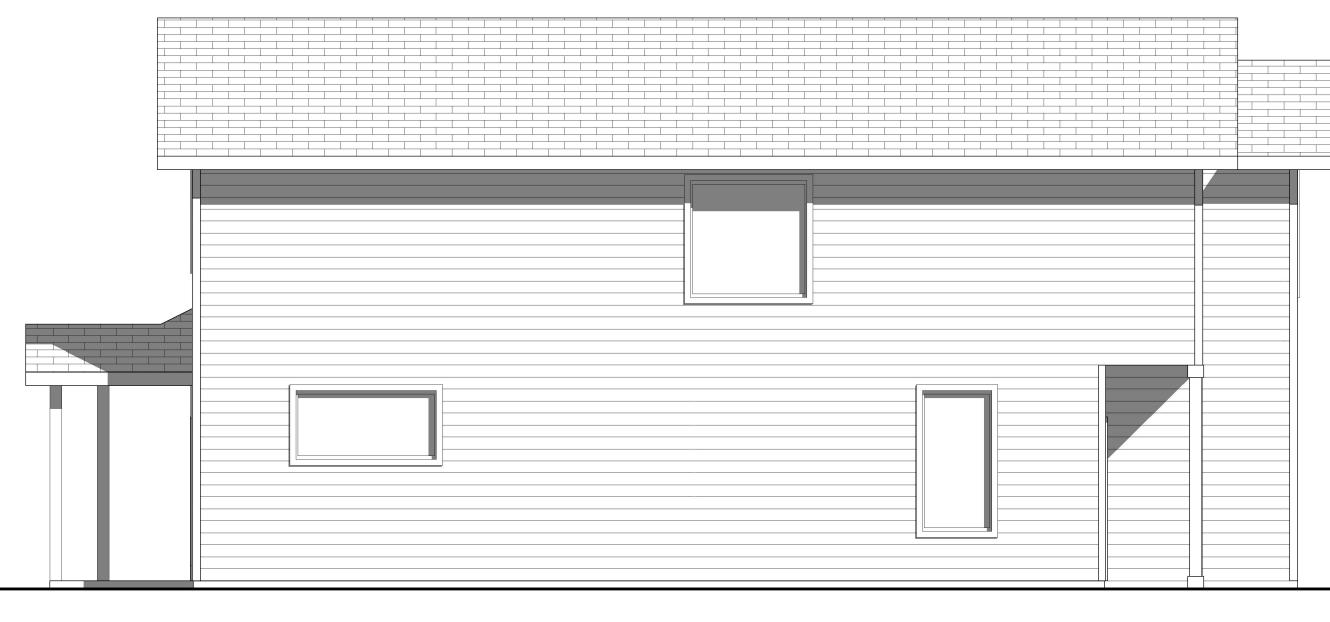




EAST ELEVATION







3 WEST ELEVATION 1 / 1/4" = 1'-0"

4 SOUTH ELEVATION

EXHIBIT 4

DR18-01

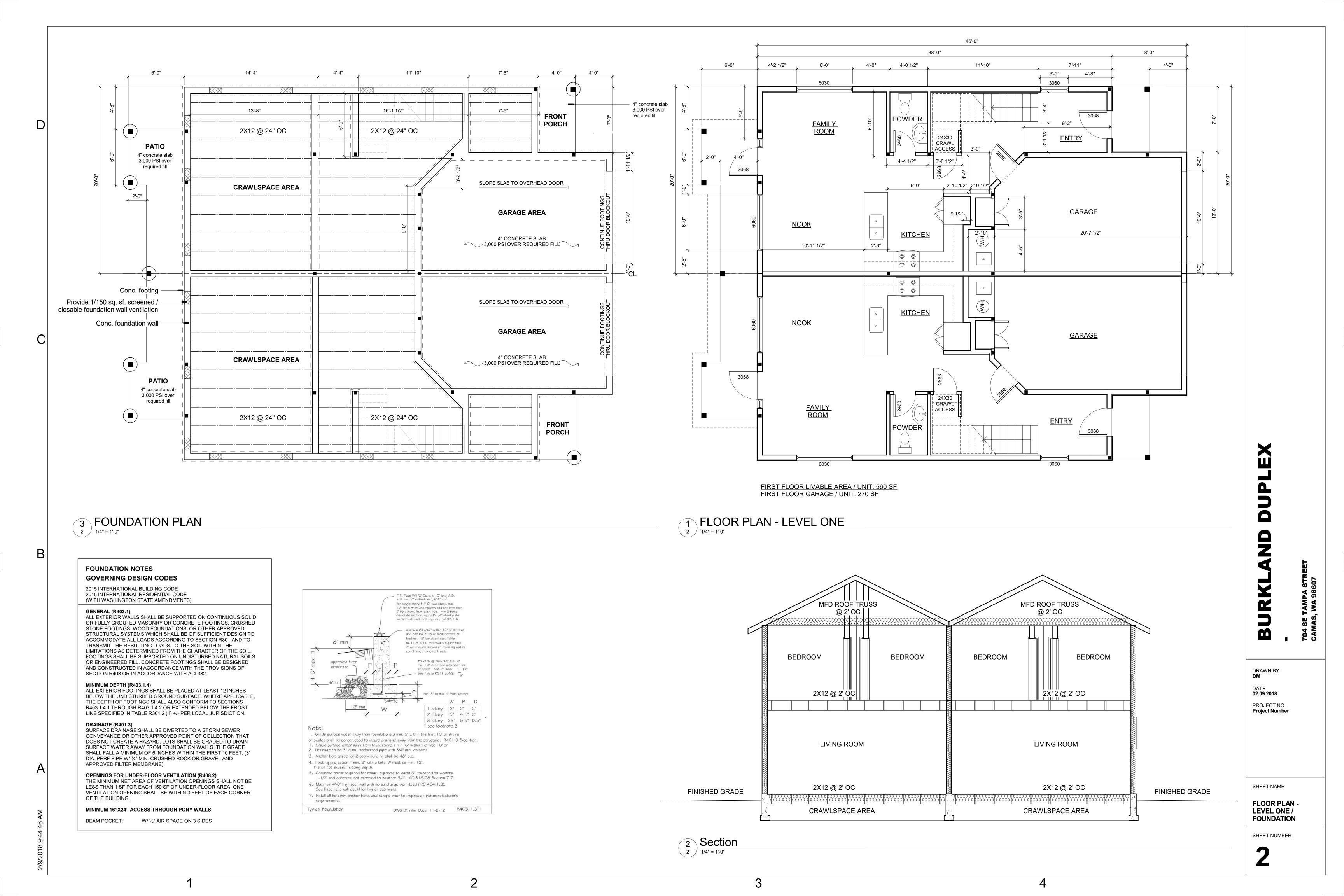
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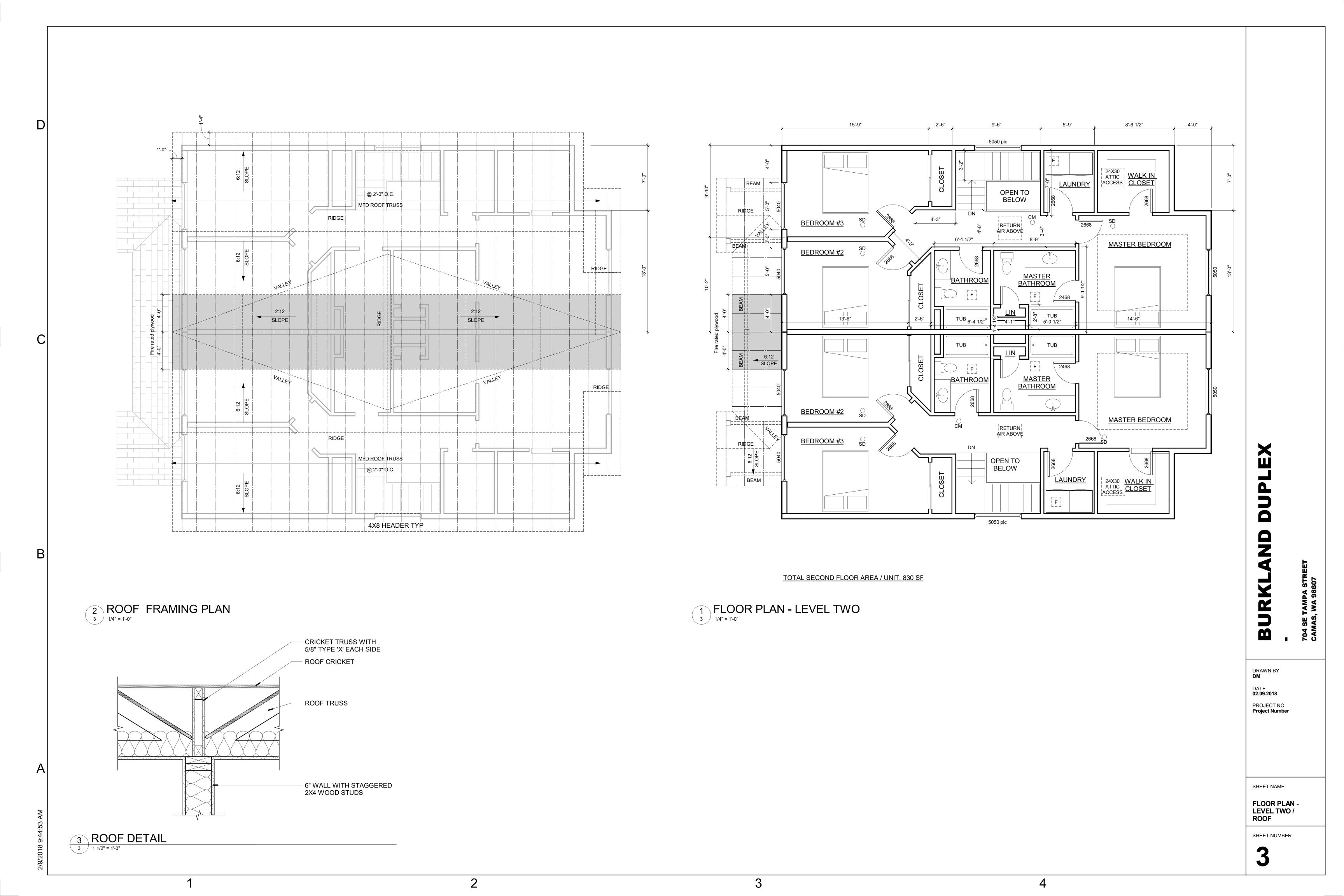
02.09.2018 PROJECT NO. **Project Number**

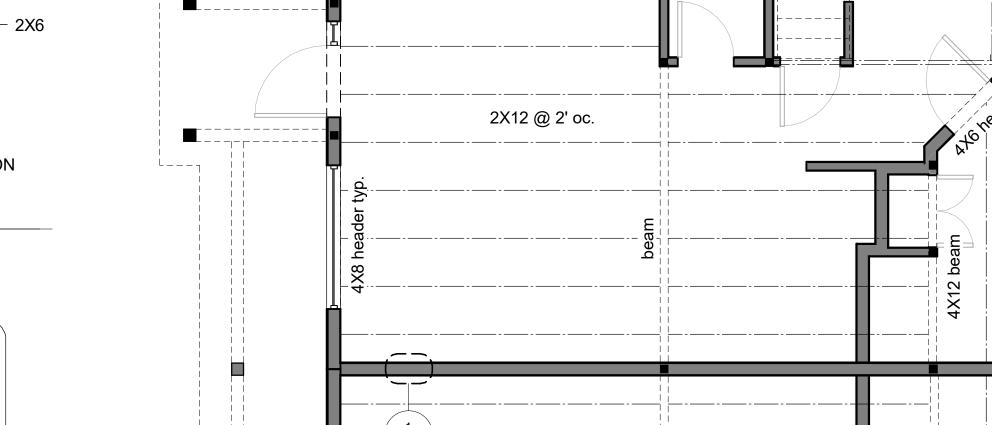
SHEET NAME

ELEVATIONS

SHEET NUMBER









OPT, SIMPSON _/ HL33 BRACKET R311.7.7 HANDRAILS. SEE NOTE BELOW 1/2" PLYILOOD RIGERG (3) 2×12 STRINGERG 5/8" TYPE "X" SR HANDRAIL GRIP SIZE PER R317.13 WINDER TREADS SHALL HAVE A MINIMUM TREAD

/2X BLOCKING @ STRAPS 1/4"×3 1/2" LAG SCREW W/ WASHER 1/2" GWB 3/4"X24 GAUGE LAG SCREW W/ WASHER 3/4"X24 GAUGE SEISMIC RESTRAINT DETAILS FOR WATER HEATER,

Staggered 2X4 16" OC TYP

PLAN

4 / 1/2" = 1'-0"

1 1 Hour Partition Wall

2X12 @ 2 oc. 2X12					peam
2X12 @ 2' oc.	X8 header		peam	0 2	
2X12 @ 2' oc.	header typ.	beam	4X12 beam	12 @ 2'	
		2X12 @ 2' oc.	Rto neade		beam

ADDITIONAL CONSTRUCTION NOTES:

SIMPSON H-CLIP 2.5A OR EQU. (PLACE INSIDE OR OUTSIDE PER BUILDER)

HABITABLE SPACE, HALLWAYS, BATHROOMS, TOILET ROOMS, LAUNDRY ROOMS AND PORTIONS OF BASEMENTS CONTAINING THESE SPACES SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN THEET. EXCEPTIONS:

1. FOR ROOMS WITH SLOPED CEILINGS, AT LEAST 50 PERCENT OF THE REQUIRED FLOOR AREA OF THE ROOM MUST HAVE A CEILING HEIGHT OF AT LEAST 1 FEET AND NO PORTION OF THE REQUIRED FLOOR AREA MAY HAVE A CEILING HEIGHT OF LESS THAN 5 FEET.

2. BATHROOMS SHALL HAVE A MINIMUM CEILING HEIGHT OF 6 FEET 8 INCHES AT THE CENTER OF THE FRONT CLEARANCE AREA FOR FIXTURES.

3. BEAMS, GIRDERS, DUCTS OR OTHER OBSTRUCTIONS MAY PROJECT TO WITHIN 6 FEET 4 INCHES OF THE FINISHED FLOOR.

TYPICAL POST CONNECTION DETAILS

SIMPSON "BC4" POST CAP OR EQU. FOR 4X4 POST CONNECTIONS SIMPSON "BC6" POST CAP OR EQU. FOR 6X6 POST CONNECTIONS

SIMPSON "PB\$44A" BASE OR EQU. FOR 4×4 POST CONNECTIONS

SIMPSON "PBS66" BASE OR EQU. FOR 6X6 POST CONNECTIONS

BATHTUB AND SHOWER SPACES (R3Ø1.2)
BATHTUB AND SHOWER SPACES (R3Ø1.2)
BATHTUB AND SHOWER SLOORS AND WALLS ABOVE BATHTUBS WITH INSTALLED SHOWER HEADS AND IN SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE. SUCH WALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN & FEET ABOVE THE FLOOR. FLOOR SURFACE (R309.1) FLOOR SURFACE (R303.)

GARAGE FLOOR SURFACES SHALL BE OF APPROVED NONCOMBUSTIBLE MATERIAL. THE AREA OF FLOOR USED FOR PARKING OF AUTOMOBILES OR OTHER VEHICLES SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TO A DRAIN OR TOWARD THE MAIN VEHICLE ENTRY DOORWAY. GROUND CONTACT (R317.1.2) PROTECTION OF WOOD AGAINST DECAY
ALL WOOD IN CONTACT WITH THE GROUND, EMBEDDED IN CONCRETE IN DIRECT CONTACT WITH THE
GROUND OR EMBEDDED IN CONCRETE EXPOSED TO THE WEATHER THAT SUPPORTS PERMANENT
STRUCTURES INTENDED FOR HUMAN OCCUPANCY SHALL BE APPROVED PRESSURE-PRESERVATIVE
TREATED WOOD SUITABLE FOR GROUND CONTACT USE, EXCEPT UNTREATED WOOD MAY BE USED
WHERE ENTIRELY BELOW GROUNDWATER LEVEL OR CONTINUOUSLY SUBMERGED IN FRESH WATER.

FIELD-CUT ENDS, NOTCHES AND DRILLED HOLES OF PRESERVATIVE-TREATED WOOD SHALL BE TREATED IN THE FIELD IN ACCORDANCE WITH AWPA M4. WOOD COLUMNS (R317.1.4) WOOD COLUMNS SHALL BE APPROVED WOOD OF NATURAL DECAY RESISTANCE OR APPROVED PRESSURE-PRESERVATIVE-TREATED WOOD. EXPOSED GLUED-LAMINATED TIMBERS (R317.1.5)

THE PORTIONS OF GLUED-LAMINATED TIMBERS THAT FORM THE STRUCTURAL SUPPORTS OF A BUILDING OR OTHER STRUCTURE AND ARE EXPOSED TO WEATHER AND NOT PROPERLY PROTECTED BY A ROOF, EAVE OR SHILLAR COVERING SHALL BE PRESSURE TREATED WITH PRESERVATIVE, OR BE MANUFACTURED FROM NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD.

GLULAM COLUMNS: USE COMBINATION #3 DF GLUE LAMINATED MEMBERS: MEMBER SPECIES: USE WESTERN GRADE SPECIES MEMBER GRADE: (SIMPLE, MULTIPLE OR CANTILEVER SPANS) USE 24F-V4 MATERIAL STANDARDS: ARCHITECTURAL GRADE APPEARANCE DO NOT USE 24F-1.8E UNLESS NOTED & APPROVED BY A QUALIFIED SUPPLIER OR STRUCTURAL ENGINEER.

ALL EXTERIOR DECKS EXPOSED TO WEATHER MUST UTILIZE WEATHER-RESISTANT WOOD SUCH AS CEDAR, REDWOOD, MOHOGANY OR PRESSURE-TREATED WOOD IN ACCORDANCE WITH 2009 IRC R3IT FASTENERS FOR PRESERVATIVE-TREATED WOOD (R317.3.1)
FASTENERS FOR PRESERVATIVE-TREATED WOOD SHALL BE OF HOT DIPPED ZINC COATED
GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER, COATING TYPES AND WEIGHTS
FOR CONNECTORS IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE IN ACCORDANCE WITH
THE CONNECTOR MANUFACTURERS RECOMMENDATIONS, IN THE ABSENCE OF MANUFACTURERS
RECOMMENDATIONS, A MINIMUM OF ASTM A 653 TYPE GISS ZINC-COATED GALVANIZED STEEL, OR
EQUIVALENT, SHALL BE USED.

PLYWOOD SHEATING ROOF SHEATHING: 1/2" MIN. INDEX 32/16.
FLOOR SHEATHING: 3/4" MIN. INDEX 48/24 T&G WALLS SHEATHING: 1/16" MIN. INDEX 32/0

ENGINEERED WOOD PRODUCTS MUST CONFORM WITH ALL APPLICABLE PROVISIONS OF THE 2009 IBC CODE WOOD PRODUCT MANUFACTURERS:
TRUS JOIST =TJI SERIES JOIST OR BOISE ENGINEERING =BCI SERIES JOISTS ASSEMBLIES AND HANGERS, AS REQUIRED TO PROVIDE A COMPLETE FLOOR OR ROOF STRUCTURAL SYSTEM PER I-JOIST MANUF. RIM BOARD:
1-1/4" WIDE, 1.3E GRADE UNLESS OTHERWISE NOTED ON PLANS OR APPROVED BY JOIST SUPPLIER OR STRUCTURAL ENGINEER.

BEARING REQUIREMENTS FOR MECHANICAL UNITS:
JOIST SUPPLIER AND CONTRACTOR TO DOUBLE ALL JOISTS MEMBERS UNDER MECHANICAL
UNITS, UNLESS NOTED OTHERWISE. DO NOT NOTCH OR DRILL STRUCTURAL MEMBERS, EXCEPT
AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. WATER RESISTANCE (R103.11) EXTERIOR COVERING

THE EXTERIOR WALL ENVELOPE SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT

PREVENTS THE ACCUMULATION OF WATER WITHIN THE WALL ASSEMBLY BY PROVIDING A WATER

RESISTANT BARRIER BEHIND THE EXTERIOR VENEER AS REQUIRED BY SECTION RT03.2 AND A MEANS

OF DRAINING TO THE EXTERIOR WATER THAT ENTERS THE ASSEMBLY. PROTECTION AGAINST

CONDENSATION IN THE EXTERIOR WALL ASSEMBLY SHALL BE PROVIDED IN ACCORDANCE WITH

SECTION R60.3 OF THIS CODE. PANEL SIDING (RTØ3.3.1)

PANEL SIDING (R103.3.1)

JONTS IN WOOD, HARDBOARD OR WOOD STRUCTURAL PANEL SIDING SHALL BE MADE AS FOLLOWS

UNLESS OTHERWISE APPROVED, VERTICAL JONTS IN PANEL SIDING SHALL OCCUR OVER FRAMING

MEMBERS, UNLESS WOOD OR WOOD STRUCTURAL PANEL SHEATHING IS USED, AND SHALL BE

SHIPLAPPED OR COVERED WITH A BATTEN, HORIZONTAL JONTS IN PANEL SIDING SHALL BE LAPPED A

MINIMUM OF I INCH OR SHALL BE SHIPLAPPED OR SHALL BE FLASHED WITH Z-FLASHING AND

OCCUR OVER SOLID BLOCKING, WOOD OR WOOD STRUCTURAL PANEL SHEATHING.

HORIZONTAL SIDING (R103.3.2)

HORIZONTAL LAP SIDING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUF, RECOMMENDATIONS.

WHERE THERE ARE NO RECOMMENDATIONS THE SIDING SHALL BE LAPPED A MINIMUM OF I INCH, OR

1/2 INCH IF RABBETED, AND SHALL HAVE THE ENDS CAULKED, COVERED WITH A BATTEN OR SEALED

AND INSTALLED OVER A STRIP OF FLASHING.

GARAGE / DWIFLLING SEPARATION: GARAGE / DWELLING SEPARATION:
GWB BOARD SHALL BE PLACED ON THE GARAGE SIDE OF WALLS AND CEILINGS WHERE
HABITABLE AREAS ARE ON THE OPPOSITE SIDE, A MIN. OF 1/2" GWB FOR WALL SEPERATIONS
AND 5/8" TYPE "X" GWB AT CEILING SEPERATIONS WITH HABITABLE ROOMS ABOYE. MINIMUM AREA (R806.2) ATTIC VENTILATION

THE TOTAL NET FREE VENTILATION OF THE LESS THAN VIBO OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT REDUCTION OF THE TOTAL AREA TO VIBO OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT REDUCTION OF THE TOTAL AREA TO VIBON SO PERCHITED PROVIDED THAT AT LEAST BO PERCENT AND NOT MORE THAN 80 PERCENT OF THE REQUIRED VENTILATION AREA IS PROVIDED BY VENTILATIONS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3' ABOVE THE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS, AS AN ALTERNATIVE, THE NET FREE CROSS-VENTILATION AREA MAY BE REDUCED TO VIBON WHEN A CLASS FOR IT VAPOR BARRIER IS INSTALLED ON THE WARM-IN-WINTER SIDE OF THE CEILING.

ROOF:

COMPOSITION ROOF SHINGLES MUST BE A MINIMUM OF 25-YEAR ON 15* FELT ON 1/2"

PLYWOOD ON MANUF. TRUSS OR RAFTERS 24" O/C PER 2003 IRC R905, USE SIMPSON

2.5 "H" CLIP ON EACH TRUSS OR RAFTER, VERIFY W/ LOCAL JURISDICTION, INSULATION R-YALUES:

2X4 WALLS: R-15 MIN. 2X6 WALLS: R-21 MIN. FLAT ROOF CAVITIES: R-38 MIN.

YAULTED CEILINGS: R-30 MIN. UNDER SLAB: R-10 RIGID MIN., 24" HORIZONTAL LENGTH MIN.

INSULATION BAFFLES AT VENTS (PER IBC 1203.2)

FLOOR CAVITIES: R-30 MIN, WITH 1" MIN. AIR SPACE FOR VENTING (PER IBC 1203.2) CRAWLSPACE:

18" MIN. CLEARANCE FROM GRADE TO BOTTOM OF FLOOR JOIST AND MIN. 12" CLEARANCE TO BOTTOM OF GIRDERS OR BEAMS IN THE CRAWLSPACE, VERIFY W/ LOCAL JURISDICTION.

OVERHANGS: OVERHANGS ARE TO BE DETERMINED BY OWNER/BUILDER GUTTERS:
GUTTERS ARE TO BE DETERMINED BY OWNER/BUILDER. GUTTER AND DOWNSPOUTS TO APPROVED DRAINAGE RAIN AND LOW POINT DRAINS TO BE SCHEDULE 40 PVC OR ABS WITH DWV FITTINGS.
VERIFY W/ LOCAL JURISDICTION.

DEPTH OF 6 NO-LES AT ANY PONT, WITH NAY' FLIGHT OF STAIRS, THE GREATEST WINDER TREAD DEPTH AT THE IZ NCH WULK LINE SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/6 NCHES. RSILT HANDRALS. HANDRALS SHALL BE PROVIDED ON AT LEAST	STAIR T	(3) 2 READS AND RISERS (R311.14	AC STRINGERS
ONE SIDE OF EACH CONTINUOUS RUN OF TREADS OR FLIGHT WITH FOUR OR MORE RISERS. R311.1.1 HEIGHT. HANDRAIL HEIGHT, MEASURED VERTICALLY FROM THE SLOPED PLANE ADJOINING THE TREAD NOSING, OR FINISH SURFACE OF RAMP SLOPE, SHALL NOT BE LESS THAN 34 NCHES AND NOT MORE THAN 36 NCHES. R31.1.12 CONTINUITY. HANDRAILS FOR STARWAYS SHALL BE CONTINUIDS FOR THE FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER	THE MAX THE RIGH THE RIGH TREADS FLIGHT (SMALLE) THE MINI THE TREAD THE FOR	EIGHT (R31.1.4.1) MIMMT ROFER HEIGHT SHALL ER SHALL BE MEASURED VI N LEADING EDGES OF THE A , THE GREATEST RISER HEIG FS TAIRS SHALL NOT EXCE ST BY MORE THAN 3/8 INC- DEFTH (R31.1.4.2) MIM TREAD DEPTH SHALL I EAD DEPTH SHALL BE MEAS TIALLY BETWEEN THE VERTI EMOST PROJECTION OF AD RIGHT ANGLE TO THE TR	RRICALLY DUACENT HT WITHN ANY ED THE . DE 10 INCHES. URED CAL PLANES OF UACENT TREADS
OF THE FLIGHT. HANDRAIL BNDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT TO AWALL SHALL HAVE A SPACE OF NOT LESS THAN H/2 INCH BETWEEN THE WALL AND THE HANDRAILS.	EDGE.	A RIGHT ANGLE TO THE TR	EADS LEADING
EXCEPTIONS: 1. HANDRAILS SHALL BE PERMITTED TO BE INTERRUPTED BY A NEWEL POST AT THE TURN. 2. THE USE OF A VOLUTE, TURNOUT, STARTING EASING OR STARTING REWEL SHALL BE ALLOWED OVER THE LOWEST TREAD.	1	PCAL STAR [e nts per 2009 rc	
TABLE R602.30) FASTENER SCHED	DULE FOR	NUMBER AND TYPE OF	SPACING OF FASTENERS
		FASTENER a,b,c	SPACING OF FASTENERS
ROC	J -	7.01/01/0* 047*)	
ring between joists or rafters to top plate, toe nail		3-8d (2 1/2" x 0.113")	<u> </u>
ng joists to plate, toe nail na joists not attached to parallel rafter, laps over partitions, face nail		3-8d (2 I/2" x 0.II3")	
ig joists not attached to parallel ratter, laps over partitions, tace hall in the rafter, face hall or 1 1/4" X 20 Gage ridge strap		3-10d	-
er to plate, tace hall or 11/4 A 20 dage riage strap		3-10d (3" x 0,128")	<u> </u>
		2-16d (3 1/2" x 0.135")	-
rafters to ridge, valley or hip rafters:		4 16 1 77 1 707 0 1757	

		11001			
1	Blocking between joists or rafters to top plate, toe r	nail	3-8d (2 1/2" x 0.113")		_
2	Ceiling joists to plate, toe nail		3-8d (2 1/2" x 0.ll3")		-
3	Ceiling joists not attached to parallel rafter, laps ove	er partitions, face nail	3-10d		-
4	Collar tie rafter, face nail or 1 1/4" X 20 Gage ridge		3-10d (3" × 0,128")		_
5	Rafter to plate, toe nail		2-l6d (3 1/2" x 0.l35")		_
	Roof rafters to ridge, valley or hip rafters:		2 100 (0 1) 2 X 0100 /		
6	toe nail		4-16d (3 1/2" x 0,135")		-
- 1	face nail		3-16d (3 1/2" x 0,135")		-
		WALL			
7	Built-up corner studs	****	10d (3" × 0.128")	24	O.C.
8	Built-up header, two pieces with 1/2" spacer				
9	Continued header, two pieces		16d (3 1/2" x 0.135")		
10	Continuous header to stud, toe nail		16d (3 1/2" x 0.135")	10 o.c. droing each eage	
II	Double studs, face nail		4-8d (2 1/2" x 0.113")	0.4	-
12	Double top plates, face nail		IOd (3" x 0.128")		o.c.
13		s Control to Institute and	IOd (3" × 0.128")	24	o.c.
14	Double top plates, minimum 48-inch offset of end joint	rs. race nai in iappea area	8-16d (3 1/2" x 0.135")	16" o.c.	
	Sole plate to joist or blocking, face nail		I6d (3 I/2" x 0.I35")		
15	Sole plate to joist or blocking at braced wall panels		3-16d (3 1/2" x 0,135")	16" o.c.	
16	Cx. J x= -x- x1		3-8d (2 1/2" x 0.113")		-
IU	Jua to sole plate, toe fall	id to sole plate, toe nail			_
17	Top or sole plate to stud. end nail		2-l6d 3 l/2" x 0.l35") 2-l6d (3 l/2" x 0.l35")	 	
18	Top plates, laps at corners and intersections, face nai	1	2-10d (3 " x 0.128")	-	
	Top profess rups of corners and intersections, ruce no				-
19	I" brace to each stud and plate, face nail		2-8d (2 1/2" x 0.113") 2 staples 1 3/4"		-
	<u> </u>				
20	1" x 6" sheathing to each bearing, face nail		2-8d (2 1/2" x 0.113") 3 staples 1 3/4"		-
			<u> </u>	-	
21	1" x 8" sheathing to each bearing, face nail		2-8d (2 1/2" x 0.113") 3 staples 1 3/4"		
	J J		'		
22	Wider than I" x 8" sheathing to each bearing, face na	il	3-8d (2 1/2" x 0.113")		-
			4 staples 3/4"	-	
		FLOOR			
23	Joist to sill or girder, toe nail		3-8d (2 1/2" x 0.113")		-
24	1" x 6" subfloor or less to each joist, face nail		2-8d (2 1/2" x 0.113")		-
27	1 x 0 subfloor or less to each joist, race half		2 staples 3/4"		-
25	2" subfloor to joist or girder, blind and face nail		2-16d (3 1/2" x 0.135")	-	
26	Rim joist to top plate, toe nail (roof applications also)	1	8d (2 1/2" x 0.113")	6* o.c.	
27	2" planks (plank & beam floor & roof)		2-16d (3 1/2" x 0.135")	at each bearing	
28	Built-up girders and beams. 2-inch lumber layers			Nail each layer as follows: 32° o.c. at top and bottom and staggered. Two nails at ends and at each splice.	
29	Ledger strip supporting joists or rafters		3-16d (3 1/2" x 0,135")	At each joist or rafter	
	WOOD STRUCTURAL PANELS, SUBFLOOR, ROOF	E AND INTERIOR WALL SHEATHING TO E			
		III III III II II II II II II II I	THE TANTOLLEGARD	1	
	DESCRIPTION OF BUTTON	DESCRIPTION OF	DESCRIPTION OF		OF FASTENERS
			B, C, E	Edges (Inches) I	Intermediate Supports C. E (Inches)
					C, L (IIICITES)
30	3/8" - 1/2"	6d common (2" x 0.113") nail (s		6	12 q
-		ı aa common (∠ I/∠ x (J.[5])	n (2 1/2" x 0.131") nail (roof)		
31	5/16" - 1/2"	6d common (2" x 0.113") nail (si	ubfloor, wall)	6	12 a
		6d common (2" x 0.113") nail (si 8d common (2 1/2" x 0.131")	ubfloor, wall) nail (roof) f		12 g
	5/16" - 1/2" 19/32" - 1"	6d common (2" x 0.113") nail (si 8d common (2 1/2" x 0.131") 8d common nail (2 1/2" x	ubfloor, wall) nail (roof) f (0.131")	6 6	12 g 12 g
32	l9/32¯ - l¯	6d common (2" x 0.113") nail (s 8d common (2 1/2" x 0.131") 8d common nail (2 1/2" x 10d common (3" x 0.148")	ubfloor, wall) nail (roof) f (0.131") nail or	6	12 g
32		6d common (2" x 0.13") nail (s 8d common (2 1/2" x 0.131") 8d common nail (2 1/2" x 10d common (3" x 0.148") 8d (2 1/2" x 0.131") defor	ubfloor, wall) nail (roof) f (0.131") nail or med nail		1
32	l9/32¯ - l¯	6d common (2" x 0.113") nail (s 8d common (2 1/2" x 0.131") 8d common nail (2 1/2" x 10d common (3" x 0.148")	ubfloor, wall) nail (roof) f (0.131") nail or med nail	6	12 g
32 33	19/32" - 1" 1 1/8" - 1 1/4" 1/2" structural cellulosic	6d common (2" x 0.13") nail (s 8d common (2 1/2" x 0.13") 8d common nail (2 1/2" x 10d common (3" x 0.148") 8d (2 1/2" x 0.13") defor OTHER WALL SHEA"	ubfloor, wdl) nail (roof) f : 0.131") nail or med nail THING H	6	12 g
32 33	19/32" - 1" 1 1/8" - 1 1/4"	6d common (2" x 0.13") nail (s 8d common (2 1/2" x 0.131") 8d common nail (2 1/2" x 10d common (3" x 0.148") 8d (2 1/2" x 0.131") defor	ubfloor, wall) nail (roof) f 0.13 7) nail or med nail THNG H 5" crown or 1"	6	12 g
32 33 34	19/32" - 1" 1 1/8" - 1 1/4" 1/2" structural cellulosic	6d common (2" x 0.13") nail (s 8d common (2 1/2" x 0.13") 8d common nail (2 1/2" x 10d common (3" x 0.148") 8d (2 1/2" x 0.13") defor OTHER WALL SHEA' 1/2" galvanized roofing nail, 7/16 crown staple 16 ga. 1 1/4	ubfloor, wall) nail (roof) f OJ3T1 nail or med nail THING H 5" crown or 1" 4" long	6 6	12 g 12
31 32 33 34 35	19/32" - 1" 1 1/8" - 1 1/4" 1/2" structural cellulosic Fiberboard sheathing	6d common (2" x 0.13") nail (s 8d common (2 1/2" x 0.13") 8d common nail (2 1/2" x 10d common (3" x 0.148") 8d (2 1/2" x 0.13") defor OTHER WALL SHEA' 1/2" galvanized roofing nail, 7/16 crown staple 16 ga. 1 1/4	ubfloor, wall) nail (roof) f OJ3T1 nail or med nail THING H 5" crown or 1" 4" long	6	12 g
32 33 34 35	19/32" - 1" 1 1/8" - 1 1/4" 1/2" structural cellulosic fiberboard sheathing 25/32" structural cellulosic fiberboard sheathing	6d common (2" x 0.13") nail (s 8d common (2 1/2" x 0.13") 8d common nail (2 1/2" x 10d common (3" x 0.148") 8d (2 1/2" x 0.13") defor OTHER WALL SHEA" 1/2" galvanized roofing nail, 7/16 crown staple 16 ga. 1/4"	ubfloor, wall) nail (roof) f OJ3(1) nail or med nail THING H 5" crown or 1" 4" long 5" crown or 1" 2" long	6 6 3 3	12 g 12 G 6 6
32 33 34	19/32" - 1" 1 1/8" - 1 1/4" 1/2" structural cellulosic fiberboard sheathing 25/32" structural cellulosic	6d common (2" x 0.13") nail (s 8d common (2 1/2" x 0.13") 8d common nail (2 1/2" x 10d common nail (2 1/2" x 10d common (3" x 0.148") 8d (2 1/2" x 0.13") defor OTHER WALL SHEA" 1/2" galvanized roofing nail, 7/16 crown staple 16 ga. 1 1/4 1/2" galvanized roofing nail, 5/16 crown staple 16 ga. 1 1/4	ubfloor, wall) nail (roof) f O.1317) nail or med nail THING H 5" crown or 1" 4" long 2" long upple galvanized.	6 6	12 g 12
32 33 34 35	19/32" - 1" 1 1/8" - 1 1/4" 1/2" structural cellulosic fiberboard sheathing 25/32" structural cellulosic fiberboard sheathing	6d common (2" x 0.13") nail (s 8d common (2 1/2" x 0.13") 8d common nail (2 1/2" x 10d common (3" x 0.148") 8d (2 1/2" x 0.13") defor OTHER WALL SHEA" 1/2" galvanized roofing nail, 7/16 crown staple 16 ga. 1/4"	ubfloor, wall) nail (roof) f 0.1317 nail or med nail THING H 5" crown or 1" 4" long 5" crown or 1" 2" long upple galvanized, pe W or S	6 6 3 3	12 g 12 G 6 6

1 1/8" - 1 1/4" 6 12 For St. I inch = 25.4 mm. I foot = 304.8 mm. I mile per hour = 0.447 m/st. lksi = 6.895 MPa.

a. All nails are smooth-common. box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections shall have minimum average bending yield strengths as shown: 80 ksi for shank diameters of 0.192 inch (20d common nail), 90 ksi for shank diameters larger than 0.142 inch but not larger than 0.177 inch, and 100 ksi for shank diameters of 0.142 inch or less.

b. Staples are 16 gage wire and have a minimum 7/16-inch on diameter crown width.

c. Nails shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater.

d. Four-foot-by-8-foot or 4-foot-by-9-foot panels shall be applied vertically.

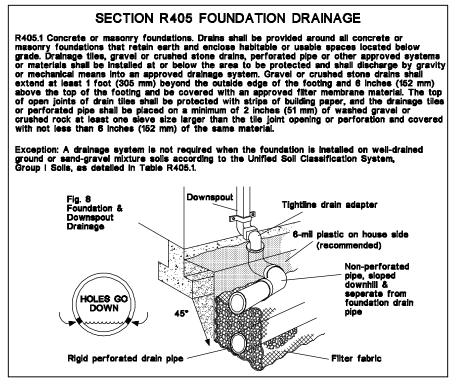
e. Spacing of fasteners not included in this table shall be based on Table R602.3(2).

f. For regions having basic wind speed of 100 mph or greater. 8d deformed (2 1/2" x 0.120) nails shall be used for attaching plywood and wood structural panel roof sheathing to framing within minimum 48-inch distance from gable end wills.

For regions having basic wind speed of 100 mph or less, nails for attaching wood structural panel roof sheathing to gable end wall framing shall be spaced 6 inches on center. When basic wind speed is greater than 100 mph, nails for attaching panel roof sheathing to intermediate supports shall be spaced 6 inches on center for minimum 48-inch distances from indiges, eaves and gable end walls and 4 inches on activating panel roof sheathing to intermediate supports shall be spaced 6 inches on center for minimum 48-inch distances from ridges, eaves and gable end walls and 4 inches on activating panel end will framing.

h. Gypsum sheathing shall conform to ASTM C 1396 and shall be installed in accordance with GA 253. Fiberboard sheathing and at all floor perimeters only. Spacing of fasteners on roof sheathing panel edges supported by framing members and required blocking and at all floor perimeters only. Spacing of fasteners on roof sheathing p

WOOD STRUCTURAL PANELS. COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING



ANY WINDOW OR OTHER OPENING NTO CONDITIONED SPACES OF THE BUILDING THAT IS LESS THAN 2 BELOW THE EXHAUST POINT AND 10°-0" FROM 3.	NTES: NSTALL RADON VENT PIPES PER UPC CHAPTER I DRAIN PIPING R MATERIALS, FITTING & INSTALLATION REQUIREMENTS MULTIPLE VENT PIPES PER A.F. 103.5.2 COMBINATION SLAB AND CRAIIL SHALL HAVE SEPARATE INT PIPES IN EACH AREA PER A.F. 103.10
ELECTRICAL POWER SOURCE	12' MIN
VENT FAN ALARM PER AF, 193.13 VENT PIPE TO BE ACCESSIBLE TO PROVIDE FOR FUTURE FAN INSTALLATION PER AF, 193.8	
3" OR 4" DIA ABS, PVC OR EQUIVENT PIPE W/ """ FITTING PER A.F. 103.6.1	
ALL EXPOSED AND VISIBLE INTERIOR RADON YENT PIPES SHALL BE IDENTIFIED WITH AT LEAST ONE LABEL EACH FLOOR	
"AND IN ACCESSIBLE ATTICS, THE LABEL SHALL READ "RADON REDUCTION SYSTEM" PER A.F. (03.9) 1/4" PER FT SLOPE	
FOR DRAINAGE	VENT PIPE DRAINAGE PER A.F. Ø3.1
ALL PUNCTURES OR TEARS IN THE MATERIAL SHALL BE SEALED W POLYWESTHANE SEALER PER A.F. (03.3)	6-MIL BLACK VISQUEEN OR EQU. 50L GAS RETARDER IN CRAWL SPACE LAPPED IZ AT JOINTS AND SHALL EXTEND TO ALL FOUNDATION WALLS PER A.F. 103.5.5
RADON RE	QUIREMENTS

2 FRAMING PLAN - LEVEL TWO

DRAWN BY

02.09.2018

PROJECT NO. Project Number

SHEET NAME

NAIL & **ATTACHMENT SCHEDULE**

SHEET NUMBER

3/4" and less

7/8" - I"

6

6

12

12