DRILLING AND NOTCHING STUDS.

BASIC PERMIT PACKAGE **REVIEWED FOR CODE COMPLIANCE** WITH IRC 2015 KITSAP COUNTY BUILDING DEPARTMENT

MUST Be Approved Prior To Performing Work

Must Comply With All Washington **State Codes**

construed to be a permit for, or an approval of, any violation of any of the provisions of the International Codes or any other ordinance of Kitsap County. Permits presuming to give authority to violate or cancel the provisions of the International Codes and ordinances o

CHANGES

Validity of permit. The issuance or granting of a permit shall not be Kitsap County shall not be valid. IBC & IRC 105

Reviewed for code compliance with IRC 2015 Kitsap County Building Department Jasmith@co.kitsan.wa.ue lasmith@co.kitsap.wa.us

Established Basic Permit # 19-03646

NOT TO EXCEED 40 PERCENT OF A SINGLE STUD WIDTH.

2. DRILLING. ANY STUD MAY BE BORED OR DRILLED, PROVIDED THAT THE DIAMETER OF THE RESULTING HOLE IS NO MORE THAN 60 PERCENT OF THE STUD WIDTH, THE EDGE OF OF THE HOLE IS NO MORE THAN 1/2 INCH. TO THE EDGE OF THE STUD, AND THE HOLE IS NOT LOCATED IN THE SAME SECTION AS A CUT OR NOTCH. STUDS LOCATED IN EXTERIOR WALLS OR BEARING PARTITIONS DRILLED OVER 40 PERCENT AND UP TO 60 PERCENT SHALL ALSO BE DOUBLED WITH NO MORE THAN TWO SUCCESSIVE DOUBLED STUDS BORED. SEE FIGURES R602.6(1) AND R602.6(2).

WITH THE MANUFACTURER'S RECOMMENDATIONS.

R602.6.1 DRILLING AND NOTCHING OF TOP PLATE. SEE FIGURE R602.6.1.

<u>-EXCEPTION:</u> WHEN THE ENTIRE SIDE OF THE WALL WITH THE NOTCH OR CUT IS COVERED BY WOOD STRUCTURAL PANEL SHEATHING.

FOLLOWING:

R404.1 LIGHTING EQUIPMENT (MANDATORY). A MINIMUM OF 15 PERCENT OF PERMANENTLY INSTALLED LAMPS IN LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS R404.1.1 LIGHTING EQUIPMENT (MANDATORY), FUEL GAS LIGHTING SYSTEMS SHALL NOT HAVE CONTINUOUSLY BURNING PILOT LIGHTS.

ING OF CERTIFICATE POST

JSEC R401.3 A PERMANENT CERTIFICATE SHALL BE COMPLETED AND POSTED ON OR WITHIN THREE FEET OF THE ELECTRICAL DISTRIBUTION PANEL BY THE BUILDER OR REGISTERED DSIGN PROFESSIONAL.THE CERTIFICATE SHALL BE COMPLETED BY THE BUILDER OR REGISTERED DESIGN PROFESSIONAL AND SHALL NOT COVER OR OBSTRUCT THE VISIBILITY OF THE CIRCUIT DIRECTORY LABEL. SERVICE DISCONNECT LABEL OR OTHER REQUIRED LABELS. THE CERTIFICATE SHALL LIST THE PREDOMINANT R-VALUES OF INSULATION INSTALLED IN OR ON CEILING/ROOF, WALLS, FOUNDATION (SLAB, BELOW-GRADE WALL, AND /OR FLOOR) AND DUCTS OUTSIDE CONDITIONED SPACES: U-FACTORS FOR FENESTRATION, AND THE SOLAR HEAT GAIN COEFFICIENT (SHGC) OF FENESTRATION, AND THE RESULTS FROM ANY REQUIRED DUCT SYSTEM AND BUILDING ENVELOPE AIR LEAKAGE TESTING DONE ON THE BUILDING. WHERE THERE IS MORE THAN ONE VALUE FOR EACH COMPONENT, THE CERTIFICATE SHALL LIST THE VALUE COVERING THE LARGEST AREA. THE CERTIFICATE SHALL LIST THE TYPES AND EFFICIENCIES OF HEATING, COOLING AND SERVICES WATER HEATING EQUIPMENT. WHERE A GAS-FIRED UNVENTED ROOM HEATER, ELECTRIC FURNACE, OR BASEBOARD ELECTRIC HEATER IS INSTALLED IN THE RESIDENCE, THE CERTIFICATE SHALL LIST 'GAS-FIRED UNVENTED ROOM HEATER.' "ELECTRIC FURNACE" OR "BASEBOARD ELECTRIC HEATER." AS APPROPRIATE. AN EFFICIENCY SHALL NOT BE LISTED FOR GAS-FIRED UNVENTED ROOM HEATERS, ELECTRIC FURNACES OR ELECTRIC BASEBOARD HEATERS.

Basic plans are approved with a Geotechnical report for two parcels only: Tax Account Number 152501-3-095-2009 Tax Account Number 152501-3-096-208

 $\overset{}{\longrightarrow}$ Blower Door Test required by Final Inspection as per WSEC R402.4.1.2 mmm

Subject To Field Inspection

I. NOTCHING, ANY STUD IN AN EXTERIOR WALL OR BEARING PARTITION MAY BE CUT OR NOTHCED TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS WIDTH. STUDS IN NONBEARING PARTITIONS MAY BE NOTCHED TO A DEPTH

-EXCEPTION: USE OF APPROVED STUD SHOES IS PERMITTED WHEN THEY ARE INSTALLED IN ACCORDANCE

WHEN PIPING OR DUCTWORK IS PLACED IN OR PARTLY IN AN EXTERIOR WALL OR INTERIOR LOAD BEARING WALL, NECESSITATING CUTTING, DRILLING OR NOTCHING OF THE TOP PLATE BY MORE THAN 50 PERCENT OF ITS WIDTH, A GALVANIZED METAL TIE OF NOT LESS THAN Ø.054 INCH THICK (1.37mm) (16 ga) AND 1 1/2 INCHES (38mm) WIDE SHALL BE FASTENED ACROSS AND TO THE PLATE AT EACH SIDE OF THE

OPENING WITH NOT LESS THAN EIGHT 10d (0.148 INCH DIAMETER) HAVING A MINIMUM LENGTH OF 1 $\frac{1}{2}$ INCHES AT EACH SIDE OR EQUIVALENT. THE METAL TIE MUST EXTEND A MINIMUM OF 6 INCHES PAST THE OPENING.

R602.6 DRILLING AND NOTCHING STUDS. DRILLING AND NOTCHING OF STUDS SHALL BE IN ACCORDANCE WITH THE

<u>SITE WORK</u> GENERAL

UNLESS A SOILS INVESTIGATION BY A QUALIFIED SOILS ENGINEER IS PROVIDED, FOUNDATION DESIGN IS BASED ON AN ASSUMED AVERAGE SOIL BEARING UISOO PSF. EXTERIOR FOOTINGS SHALL BEAR 18" (MINIMUM) BELOW FINISHED GRADE. ALL FOOTINGS TO BEAR ON FIRM UNDISTURBED EARTH BELOW ORGANIC SURFACE SOILS. BACKFILL TO BE THOROUGHLY COMPACTED. BOLT HEADS AND NUTS BEARING AGAINST WOOD TO BE PROVIDED WITH 1/4"x3"x3" PLATE WASHERS. WOOD BEARING ON OR INSTALLED WITHIN 1" OF MASONRY OR CONCRETE TO BE PRESSURE TREATED WITH AN APPROVED PRESERVATIVE.

FOUNDATION SILL BOLTS TO BE 5/8" DIAMETER AT 6'-0" O.C. UN.O. WITH MIN. 1" EMBEDMENT METAL FRAMING CONNECTORS TO BE MANUFACTURED BY SIMPSON STRONG-TIE OR USP STRUCTURAL CONNECTORS

CARPENTRY

GENERAL

ALL NAILING TO COMPLY WITH REQUIREMENTS OF IRC TABLE R602.3(1. GYPSUM WALL BOARD AT INTERIOR WALLS TO BE FASTENED ACCORDING TO TABLE R102.3.5

ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED. FIELD CUT ENDS, NOTCHES, AND DRILLED HOLES OF PRESSURE TREATED LUMBER SHALL BE RETREATED IN THE FIELD IN ACCORDANCE WITH AWPA M4. PER IRC 317.3, FASTENERS FOR PRESSURE PRESERVATIVE AND FIRE RETARDANT TREATED WOOD SHALL BE OF HOT-DIPPED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE, OR COPPER.

6" MIN. CLEARANCE BETWEEN WOOD AND EARTH.

12" MIN. CLEARANCE BETWEEN FLOOR BEAMS AND EARTH. 18" MIN. CLEARANCE BETWEEN FLOOR JOIST AND EARTH.

FASTENERS

ALL NAILS SPECIFIED ON THIS PLAN SHALL BE COMMON OR GALVANIZED BOX (UNLESS NOTED OTHERWISE) OF THE DIAMETER AND LENGTH LISTED BELOW OR AS PER APPENDIX L OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) 8d COMMON (0.131" DIA., 2-1/2" LENGTH), 8d BOX (0.113" DIA, 2-1/2" LONG), 10d COMMON (Ø.148" DIA., 3" LONG) 10d BOX (Ø.128" DIA., 3" LENGTH), 16d COMMON (Ø.162" DIA, 3-1/2" LONG), 16d SINKER (Ø.148 DIA, 3-1/4" LONG) 5d COOLER (0,086" DIA., 1-5/8" LONG), 6d COOLER (0,092" DIA., 1-7/8" LONG)

LUMBER GRADES

FRAMING LUMBER SHALL COMPLY WITH THE LATEST EDITION OF THE GRADING RULES OF THE WESTERN PRODUCTS ASSOCIATION OR THE WEST COST LUMBER INSPECTION BUREAU. ALL SAWN LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED LUMBER GRADING AGENCY AND SHALL HAVE THE FOLLOWING UNADJUSTED DESIGN MINIMUM PROPERTIES:

JOISTS:	WOOD TYPE:
2×4	HF #2 - Fb=975 psi, Fv=150 psi, Fc=1300 psi, E=13000000psi
2×6 OR LARGER	HF #2 - Fb=975 psi, Fv=150 psi, Fc=1300 psi, E=13000000psi
BEAM	
4×	DF-L #2 - Fb=900 psi, Fv=180 psi, Fc=1350 psi, E=16000000psi
6X OR LARGER	DF-L #2 - Fb=875 psi, Fv=170 psi, Fc=600 psi, E=1300000psi
<u>STUDS</u>	
2×4	HF #2 - Fb=975 psi, Fv=150 psi, Fc=1300 psi, E=13000000psi
2×6 OR LARGER	HF #2 - Fb=975 psi, Fv=150 psi, Fc=1300 psi, E=13000000psi
POSTS	
4×4	HF #2 - Fb=975 psi, Fv=150 psi, Fc=1300 psi, E=13000000psi
4x6 OR LARGER	HF #2 - Fb=975 psi, Fv=150 psi, Fc=1300 psi, E=13000000psi
6×6 OR LARGER	DF-L #1 - Fb=1200 psi, Fv=170 psi, Fc=1000 psi, E=1600000psi

GLUED-LAMINATED BEAM (GLB)

SHALL BE 24F-V4 FOR SINGLE SPANS \$ 24F-V8 FOR CONTINUOUS OR CANTILEVER SPANS

WITH THE FOLLOWING MINIMUM PROPERTIES: Fb = 2,400 PSI, Fv = 165 PSI, Fc = 650 PSI (PERPENDICULAR), E = 1,800,000 PSI.

ENGINEERED WOOD BEAMS AND I-JOIST

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SPECIFICATIONS FOR APPROVAL BY BUILDING OFFICIAL. DESIGN, FABRICATION AND ERECTION IN ACCORDANCE WITH THE LATEST ICC EVALUATION REPORT.

BEAMS DESIGNATED AS "PSL" SHALL HAVE THE MINIMUM PROPERTIES:

Fb = 2,900 PSI, Fv = 290 PSI, Fc = 750 PSI (PERPENDICULAR), E = 2,000,000 PSI. BEAMS DESIGNATED AS "LVL" SHALL HAVE THE MINIMUM PROPERTIES:

Fb = 2,600 PSI, Fv = 285 PSI, Fc = 150 PSI (PERPENDICULAR), E = 1,900,000 PSI.

BEAMS DESIGNATED AS "LSL" SHALL HAVE THE MINIMUM PROPERTIES:

Fb = 1,700 PSI, Fv = 400 PSI, Fc = 680 PSI (PERPENDICULAR), E = 1,300,000 PSI

CALCULATIONS SHALL INCLUDE DEFLECTION AND CAMBER REQUIREMENTS.

DEFLECTION SHALL BE LIMTED AS FOLLOWS: FLOOR LIVE LOAD MAXIMUM = L/480, FLOOR TOTAL LOAD MAXIMUM = L/240.

WINDOW INSTALLATION

WINDOWS SHALL BE INSTALLED AND FINISHED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, WRITTEN INSTALLATION INSTRUCTIONS SHALL BE PROVIDED BY THE MANUFACTURER FOR EACH WINDOW.

INSULATION AND MOISTURE PROTECTION GENERAL

MAINTAIN I' CLEARANCE ABOVE INSULATION FOR FREE AIR FLOW, INSULATION BAFFLES TO EXTEND 6" ABOVE BATT INSULATION INSULATION BAFFLES TO EXTEND 12" ABOVE LOOSE FILL INSULATION INSULATE BEHIND TUBS/SHOWERS, PARTITIONS AND CORNERS FACE-STAPLE FACED BATTS FRICTION-FIT UNFACED BATTS USE 4 MIL POLY VAPOR RETARDER AT EXTERIOR WALLS R-10 INSULATION UNDER ELECTRIC WATER HEATERS.

INSULATION MATERIALS

INSULATION MATERIAL, INCLUDING FACINGS, SUCH AS VAPOR RETARDERS OR VAPOR PERMEABLE MEMBRANES INSTALLED WITHIN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALL ASSEMBLIES, CRAWL SPACES, AND ATTICS SHALL HAVE A FLAME-SPREAD INDEX NOT TO EXCEED 25 WITH AN ACCOMPANYING SMOKE-DEVELOPED INDEX NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH ASTM E 84

EXCEPTIONS:

1. WHEN SUCH MATERIAL ARE INSTALLED IN CONCEALED SPACES, THE FLAME-SPREAD AND SMOKE-DEVELOPEMENT LIMITATIONS DO NOT APPLY TO THE FACINGS, PROVIDED THAT THE FACING IS INSTALLED IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACE OF THE CEILING, FLOOR, OR WALL FINISH. 2. CELLULOSE LOOSE-FILL INSULATION, WHICH IS NOT SPRAY APPLIED, COMPLYING WITH THE REQUIREMENTS OF IRC R302.10.3, SHALL ONLY BE REQUIRED TO MEET THE SMOKE-DEVELOPED INDEX OF NOT MORE THAN 45Ø.

INFILTRATION CONTROL

EXTERIOR JOINTS AROUND WINDOWS AND DOOR FRAMES, PENETRATIONS IN FLOORS, ROOFS AND WALLS AND ALL SIMILAR OPENINGS SHALL BE SEALED, CAULKED, GASKETED OR WEATHERSTRIPPED TO LIMIT AIR LEAKAGE.

VAPOR BARRIERS / GROUND COVERS

AN APPROVED VAPOR BARRIER SHALL BE PROPERLY INSTALLED IN ROOF DECKS, IN ENCLOSED CEILING SPACES AND AT EXTERIOR WALLS. 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.

WALL FLASHING

APPROVED CORROGION-REGISTANT FLASHING SHALL BE PROVIDED IN THE EXTERIOR WALL ENVELOPE IN SUCH A MANNER AS TO PREVENT ENTRY OF WATER INTO THE WALL CAVITY OR PENETRATION OF WATER TO THE BUILDING STRUCTURAL FRAMING COMPONENTS, THE FLASHING SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH AND SHALL BE INSTALLED TO PREVENT WATER FROM REENTERING THE EXTERIOR WALL ENVELOPE. APPROVED CORROSION-RESISTANT FLASHINGS SHALL BE INSTALLED AT ALL OF THE FOLLOWING LOCATIONS:

. AT TOP OF ALL EXTERIOR WINDOW AND DOOR OPENINGS IN SUCH A MANNER AS TO BE LEAKPROOF, EXCEPT THAT SELF-FLASHING WINDOWS HAVING A CONTINUOUS LAP OF NOT LESS THAN 1-1/8" (28 mm) OVER THE SHEATHING MATERIAL AROUND THE PERIMETER OF THE OPENING, INCLUDING CORNERS, DOO NOT REQUIRE ADDITIONAL FLASHING: JAMB FLASHING MAY ALSO BE OMITTED WHEN SPECIFICALLY APPROVED BY THE BUILDING OFFICIAL.

2. AT THE INTERSECTION OF CHIMNEYS OR OTHER MASONRY CONSTRUCTION WITH FRAME OR STUCCO WALLS, WITH PROJECTING LIPS ON BOTH SIDES UNDER STUCCO OPENINGS.

- 3. UNDER AND AT THE ENDS OF MASONRY, WOOD, OR METAL COPINGS AND SILLS.
- 4. CONTINUOUSLY ABOVE ALLPROJECTING WOOD TRIM.

5. WHERE EXTERIOR PORCHES, DECKS, OR STAIRS ATTACH TO A WALL OR FLOOR ASSEMBLY OF WOOD

CONSTRUCTION. 6. AT WALL AND ROOF INTERSECTIONS.

1. AT BUILT-IN GUTTERS

DRAFTSTOPPING & FIRE BLOCKING

DRAFTSTOPPING

WHEN THERE IS USABLE SPACE BOTH ABOVE & BELOW THE CONCEALED SPACE OF A FLOOR/CEILING ASSEMBLEY, DRAFTSTOPS SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1,000 SQUARE FEET. DRAFTSTOPPING SHALL DIVIDE THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS. WHERE THE ASSEMBLY IS ENCLOSED BY A FLOOR MEMBRANE ABOVE & A CEILING MEMBRANE BELOW, DRAFTSTOPPING SHALL BE PROVIDED IN FLOOR/CEILING ASSEMBLIES UNDER THE FOLLOWING CIRCUMSTANCES:

1. CEILING IS SUSPENDED UNDER THE FLOOR FRAMING.

2. FLOOR FRAMING IS CONSTRUCTED OF TRUSS-TYPE OPEN-WEB OR PERFORATED MEMBERS. DRAFTSTOPPING SHALL CONSIST OF MATERIALS LISTED IN IRC SECTION R302.12

FIREBLOCKING

FIREBLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE BARRIER BETWEEN STORIES, AND BETWEEN A TOP STORY AND THE ROOF SPACE. FIREBLOCKING SHALL BE PROVIDED IN WOOD-FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

I. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL

ROWS OF STUDS OR STAGGERED STUDS AS FOLLOWS: 1.1. VERTICALLY AT THE CEILING AND FLOOR LEVELS.

1.2. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10ft

2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH

AS OCCUR AT SOFFITS, DROP CEILINGS, AND COVE CEILINGS.

3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH IRC SECTION R302.7

4. AT OPENINGS AROUND VENTS, PIPES, AND DUCTS AT CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION.

5. FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES, SEE IRC SECTION RIØØ3.19.

6. FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING UNIT SEPERATION.

FIREBLOCKING SHALL CONSIST OF MATERIALS LISTED IN IRC SECTION R302.11.1. LOOSE-FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIREBLOCK UNLESS SPECIFICALLY TESTED IN THE FORM AND MANNER INTENDED. THE INTEGRITY OF ALL FIREBLOCKS SHALL BE MAINTAINED.

FOUNDATION WATERPROOFING \$

DAMPROOFING

DAMPROOFING

EXCEPT WHERE REQUIRED BY SEC. R406.2 TO BE WATERPROOFED, FOUNDATION WALLS THAT RETAIN EARTH OR ENCLOSE INTERIOR SPACES AND FLOORS BELOW GRADE SHALL BE DAMPROOFED FROM THE TOP OF THE FOOTING TO THE FINISHED GRADE, MASONRY WALLS SHALL HAVE NOT LASS THAN 🐉 PORTLAND CEMENT PARGING APPLIED TO THE EXTERIOR OF THE WALL. PARGING SHALL BE DAMPROOFED IN ACCORDANCE WITH ONE OF THE FOLLOWING. 1. BITUMINOUS COATING

- 2. 3 POUNDS PER SQ. YD. OF ACRYLIC MODIFIED CEMENT
- 3. $\frac{1}{8}$ COAT OF SURFACE BONDING CEMENT COMPLYING WITH ASTN C 881 4. ANY MATERIAL APPROVED FOR WATERPFOORING IN SEC. R406.2
- 5. OTHER APPROVED METHODS OR MATERIALS.

EXCEPTION: PARGING OF UNIT MASONRY WALLS IS NOT REQUIRED WHERE A MATERIAL IS APPROVED FOR DIRECT APPLICATION TO THE MASONRY

FOUNDATION WATERPROOFING

DAMPROOFING (CONTINUED

WATERPROOFING

IN AREAS WHERE HIGH WATER TABLE OR OTHER SEVERE SOIL-WATER CONDITIONS ARE KNOWN TO EXIST, EXTERIOR FOUNDATION WALLS THAT RETAIN EARTH OR ENCLOSE INTERIOR SPACES AND FLOORS BELOW GRADE SHALL BE WATERPROOFED FROM THE TOP OF FOOTING TO FINISHED GRADE, WALLS SHALL BE WATERPROOFED IN ACCORDANCE WITH ONE OF THE FOLLOWING.

1. 2-PLY HOT MOPPED FELT 2.55 POUND ROOF ROLLING

- 3.6-MIL POLYVINYL CHLORIDE
- 4.6-MIL POLYETHYLENE

5. 40-MIL POLYMER-MODIFIED ASPHALT

- 6.60-MIL FLEXIBLE POLYMER CEMENT
- 1. 1. CEMENT-BASED, FIBER-REINFORCED, WATERPROOF COATING 8.60-MIL SOLVANT-FREE, LIQUID-APPLIED SYNTHETIC RUBBER

EXCEPTION: ORGANIC-SOLVANT-BASED PRODUCTS SUCH AS HYDROCARBONS, CHLORINATED HYDROCARBONS, KETONS AND ESTERS SHALL NOT BE USED FOR ICF WALLS WITH EXPANDED POLYSTYRENE FOAM MATERIAL. USE OF PLASTIC ROOFING CEMENTS, ACRYLIC COATINGS, LATEX COATINGS, MORTARS AND PARGINGS TO SEAL ICF WALLS IS PERMITTED. COLD-SETTING ASPHALT OR HOT ASPHALT SHALL CONFORM TO TYPE C OF ASTM D 449. HOT ASPHALT SHALL BE APPLIED AT A TEMPERATURE OF LESS THAN 200 DEG. F. ALL JOINTS IN MEMBRANE WATERPROOFING SHALL BE LAPPED AND SEALED WITH AN ADHESIVE COMPATIBLE WITH THE MEMBRANE.

DOORS, WINDOWS AND SKYLIGHTS

GENERAL

ALL SKYLIGHTS AND SKY WALLS TO BE LAMINATED GLASS UNLESS NOTED OTHERWISE. BEDROOM EMERGENCY EGRESS WINDOWS SHALL HAVE MINIMUM NET CLEAR OPENING OF 5.1 SQ. FT. WITH MINIMUM NET CLEAR OPENING WIDTH OF 20" AND MINIMUM NET CLEAR OPENING HEIGHT OF 24". FINISHED SILL HEIGHT SHALL BE MAXIMUM 44" ABOVE FLOOR. MEASURED FROM THE FINISHED FLOOR TO THE BOTTOM OF THE CLEAR OPENING.

WINDOW FLASHING TO BE FASTENED PER IRC CODE 103.8 WINDOW GUARDS ARE REQUIRED PER IRC 312. SAFETY GLAZING SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS OR AS OTHERWISE REQUIRED PER IRC SECTION R3Ø8.4:

1. SIDE HINGED DOORS EXCEPT JALOUSIES 2. SLIDING GLASS DOORS AND PANELS IN SLIDING & BI-FOLD CLOSET DOOR ASSEMBLIES

3. STORM DOORS

- 4. SHOWER AND BATH TUB, HOT TUB, WHIRLPOOL, SAUNA, STEAM ENCLOSURES
- 5. GLAZING W/ THE EXPOSED EDGE WITHIN A 24" ARC OF EITHER VERTICAL EDGE

OF A DOOR IN THE CLOSED POSITION & BOTTOM EDGE IS LESS THAN 60" ABOVE THE WALKING SURFACE

6. GLAZING GREATER THAN 9 S.F. AND LESS THAN 18" ABOVE FINISHED FLOOR

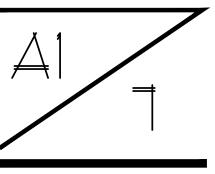
- 7. GLAZING IN GUARDRAILS
- 8. GLAZING LESS THAN 18" ABOVE FINISHED FLOOR 9. STAIRWAYS, LANDINGS & RAMPS WITHIN 36" HORIZONTAL OF WALKING
- SURFACE AND 60" ABOVE ADJACENT WALKING SURFACE

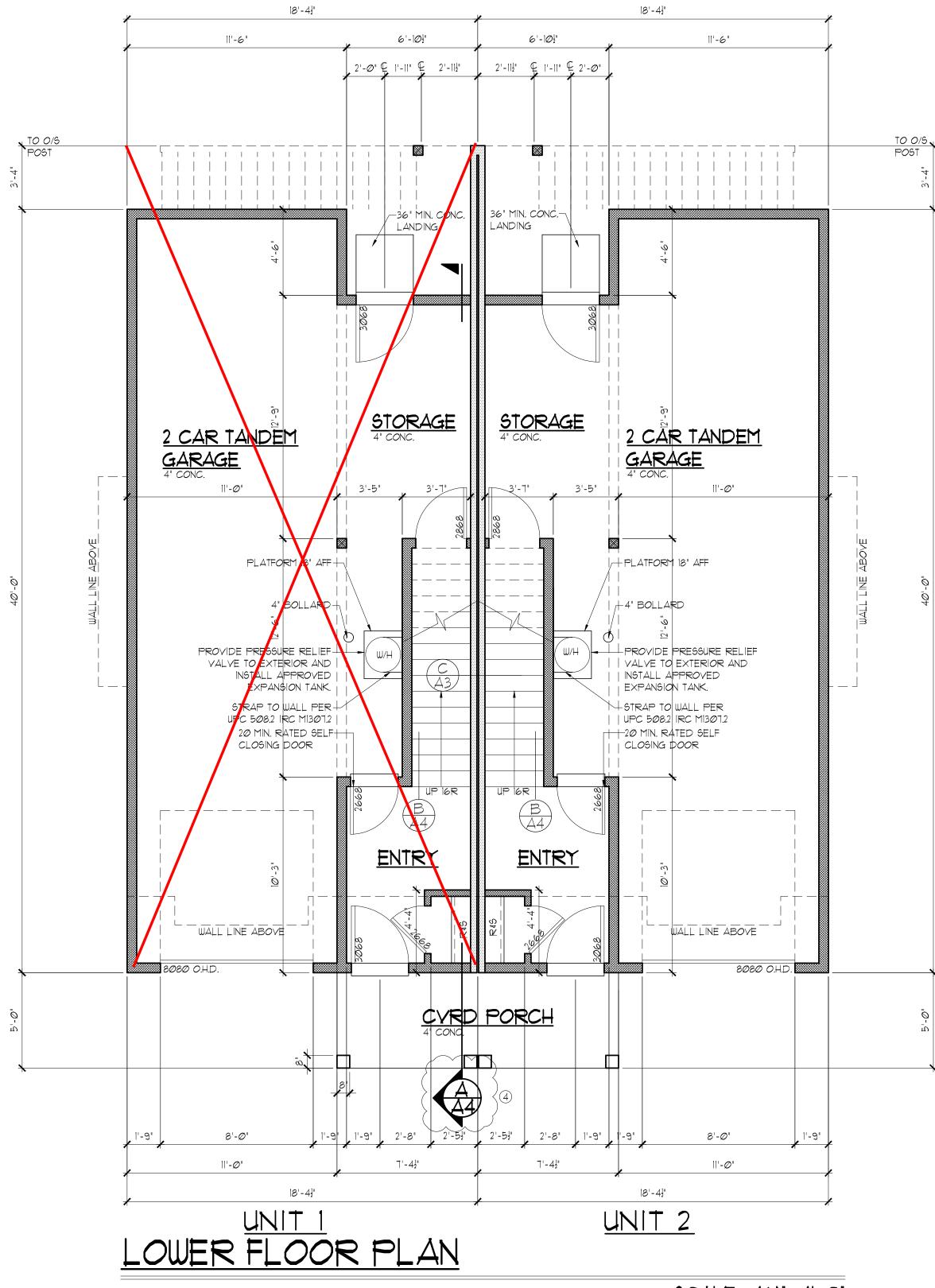




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REVISIONS					
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DATE:		3/30/19			
PROJE	ECT NO:	9120			





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- ALL DOOR/WINDOW HEADERS TO BE 6X8 DF#2 AT 2X6 BEARING WALLS , U.N.O., 6'-0" MAX. SPAN - ALL DOOR/WINDOW HEADERS TO BE 4X10 DF#2 AT 2X4 BEARING WALLS, U.N.O., 6'-0" MAX. SPAN - WINDOW HEADERS AT 7'-8" ABOVE SUB FLOOR, U.N.O.
- PROVIDE FIREBLOCKING AS REQUIRED PER I.R.C.
- EXTERIOR WALLS TO BE 2×6 AT 16" (MAX.) O.C. U.N.O.
- INTERIOR PARTITIONS TO BE 2 X 4 AT 16" O.C. (2×6 @ PLUMBING WALLS, U.N.O.) - DUCTS THROUGH WALL OR CEILING COMMON TO HOUSE MIN. 26 GAGE STEEL - NO DUCT OPENINGS IN GARAGE
- PROVIDE SOLID FRAMING EQUAL TO THE WIDTH OF THE MEMBER BEING SUPPORTED (U.N.O.) STELEVATIONS AT THE REQUIRED EGRESS DOORS, LANDINGS OR FINISHED FLOORS AT THE
- REQUIRED EGRESS DOOR SHALL NOT BE MORE THAN 11/2" LOWER THAN THE TOP OF THRESHOLD. PROVIDED THE DOOR DOES NOT SWING OVER THE LANDING OR FLOOR IRC R311.3.1. EXCEPTION: THE LANDING OR FLOOR ON THE EXTERIOR SIDE SHALL NOT BE MORE THAN 1 $\frac{3}{4}$ " BELOW THE TOP OF THE THRESHOLD PROVIDED THE DOOR DOES NOT SWING OVER THE LANDING OR FLOOR. IRC R311.3.2

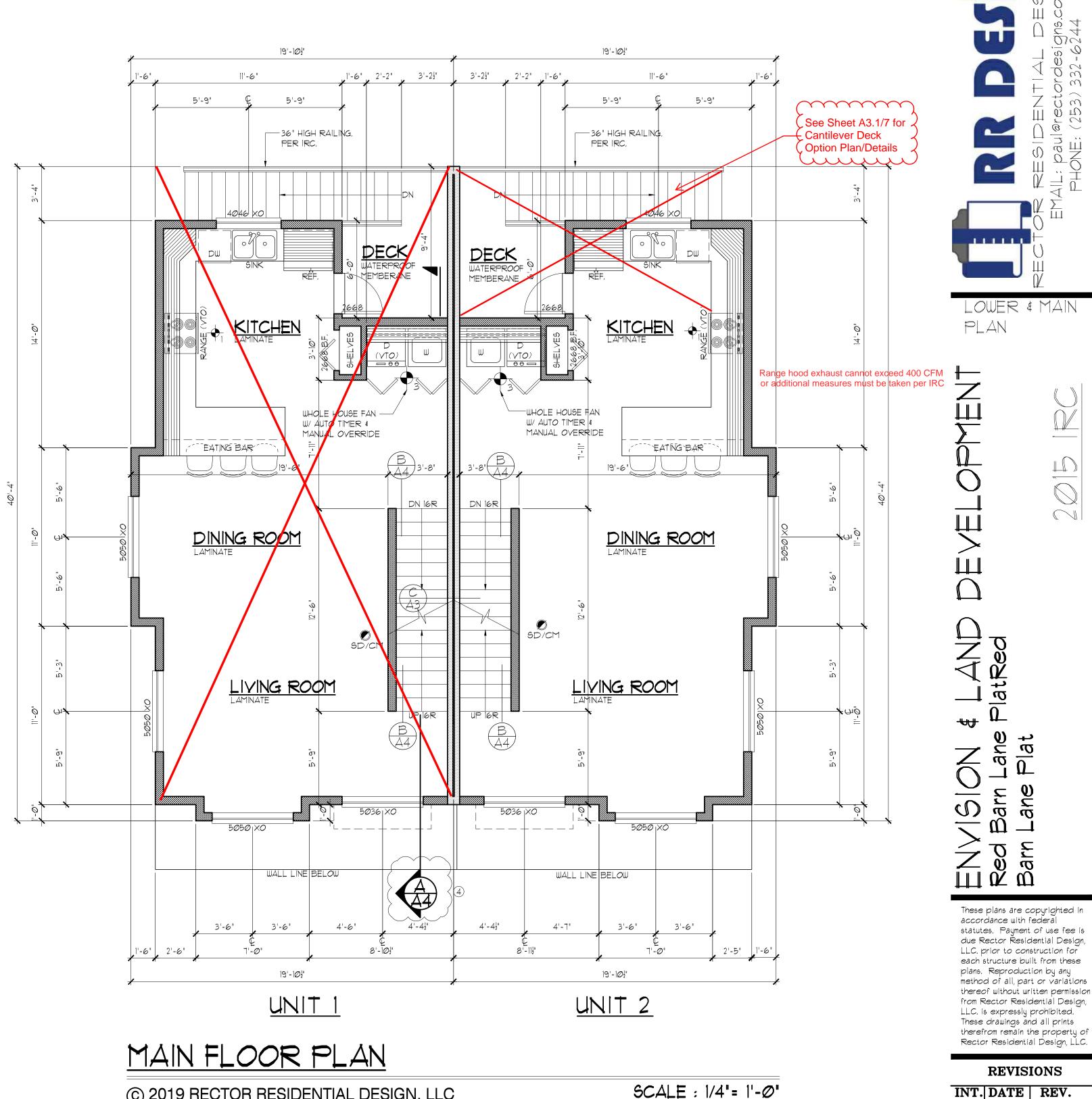
Reviewed for code compliance with IRC 2015 Kitsap County Building Department lasmith@co.kitsap.wa.us 11/13/2020

Established Basic Permit # 19-03646

Subject To Field Inspection

CHANGES MUST Be Approved Prior To Performing Work





© 2019 RECTOR RESIDENTIAL DESIGN, LLC - PROVIDE FIREBLOCKING AS REQUIRED PER I.R.C. - WINDOW HEADERS AT 6'-8" ABOVE SUB FLOOR, U.N.O. - EXTERIOR WALLS TO BE 2X6 AT 16" O.C., U.N.O. - INTERIOR PARTITIONS TO BE 2×4 AT 16" O.C. (2×6 @ PLUMBING WALLS) U.N.O.

- PROVIDE SUPPLEMENTAL JOISTS/BLOCKING BELOW SHEAR WALLS AS INDICATED ON FRAMING PLAN PROVIDE SOLID FRAMING EQUAL TO THE WIDTH OF THE MEMBER BEING SUPPORTED (U.N.O.)

BASIC PERMIT PACKAGE REVIEWED FOR CODE COMPLIANCE **WITH IRC 2015** KITSAP COUNTY BUILDING DEPARTMENT

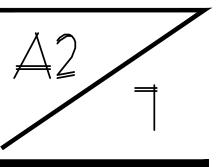
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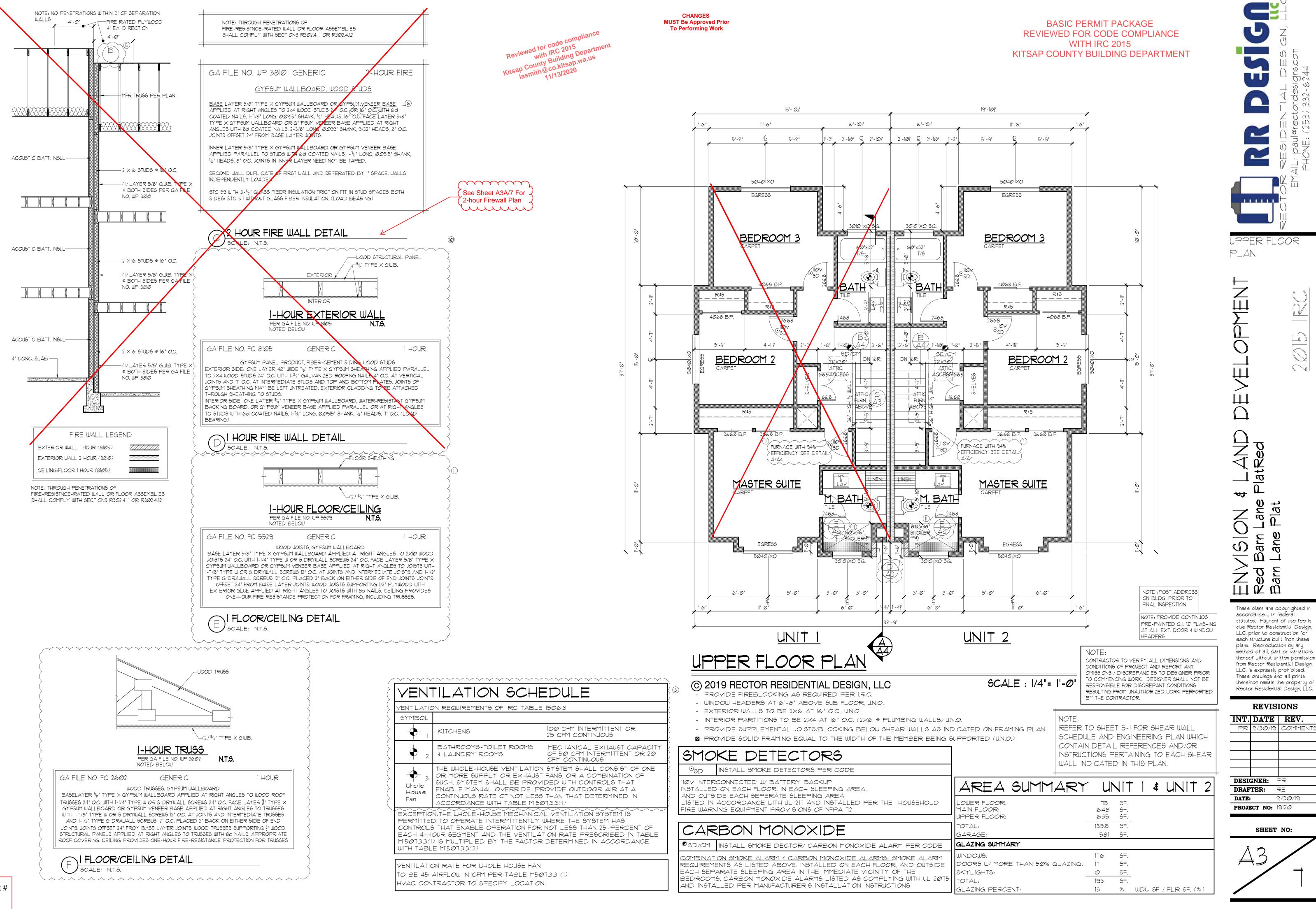
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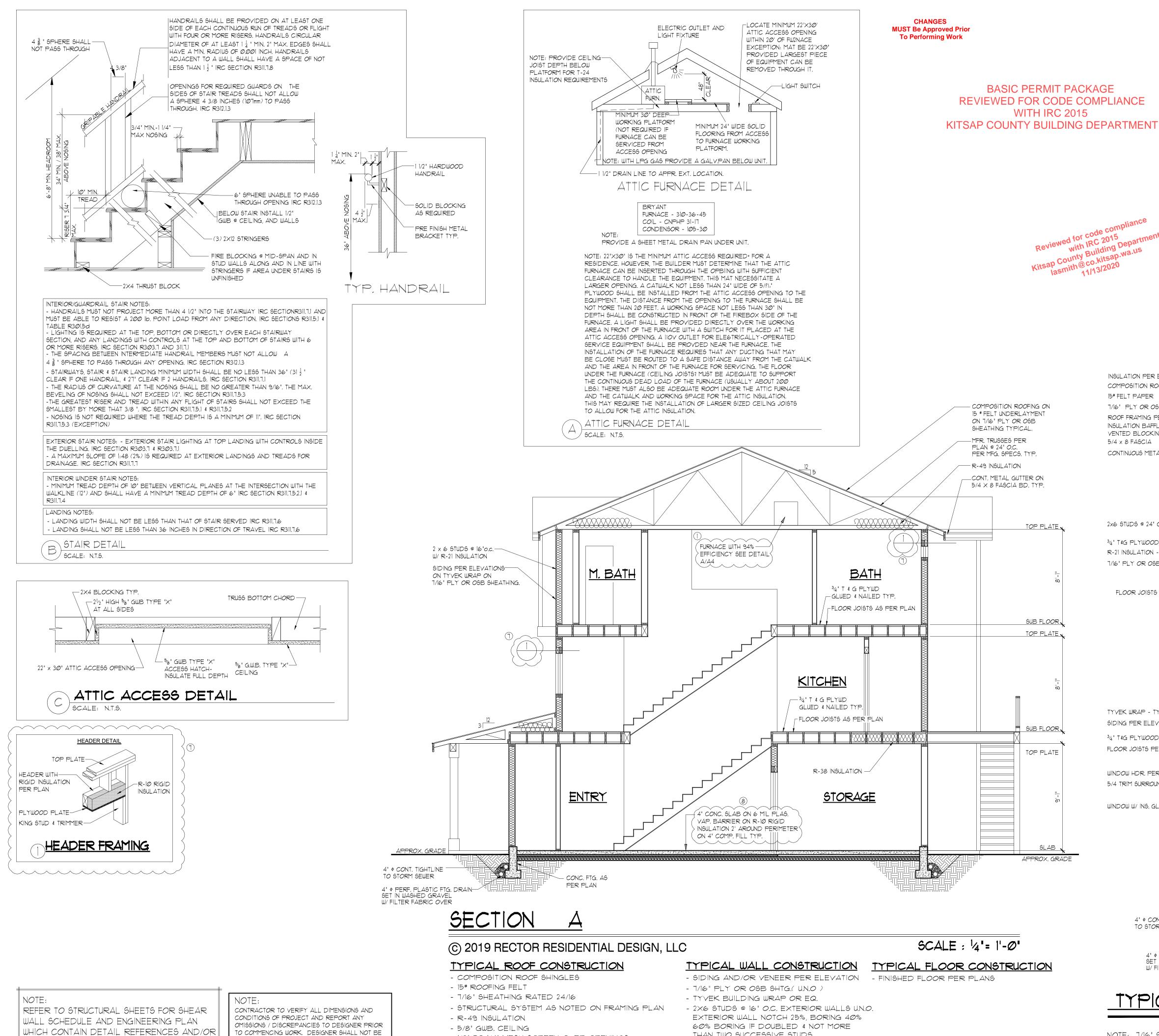
3/30/19 COMMENTS PR DESIGNER: PR DRAFTER: RE DATE: 9/30/19 **PROJECT NO:** 19120





Subject To Field Inspection

Permit Number: 20-04894



Established Basic Permit 19-03646

INSTRUCTIONS PERTAINING TO EACH SHEAR

HALL INDICATED IN THIS PLAN.

RESPONSIBLE FOR DISCREPANT CONDITIONS

BY THE CONTRACTOR.

RESULTING FROM UNAUTHORIZED WORK PERFORMED

Subject To Field Inspection

- 1/8" TO 1/4" MESH SCREEN OVER OPENINGS
- NET OPENING AREA MINIMUM 1/150 OF VENTED AREA OR 1/300 IF 50%-80% OF VENTING NEAR TOP OR
- VAPOR RETARDER
- PROVIDE I" MINIMUM CLEARANCE BETWEEN INSULATION AND SHEATHING AT VENTS PER IRC SECTION RANG 3

- 2x4 STUDS @ 16" O.C., INTERIOR PARTITIONS
- (2×6 @ PLUMBING WALLS)
- HOLES NO CLOSER THE 5/8 INCH TO FACE OF STUD
- R-21 INSULATION WITH VAPOR BARRIER

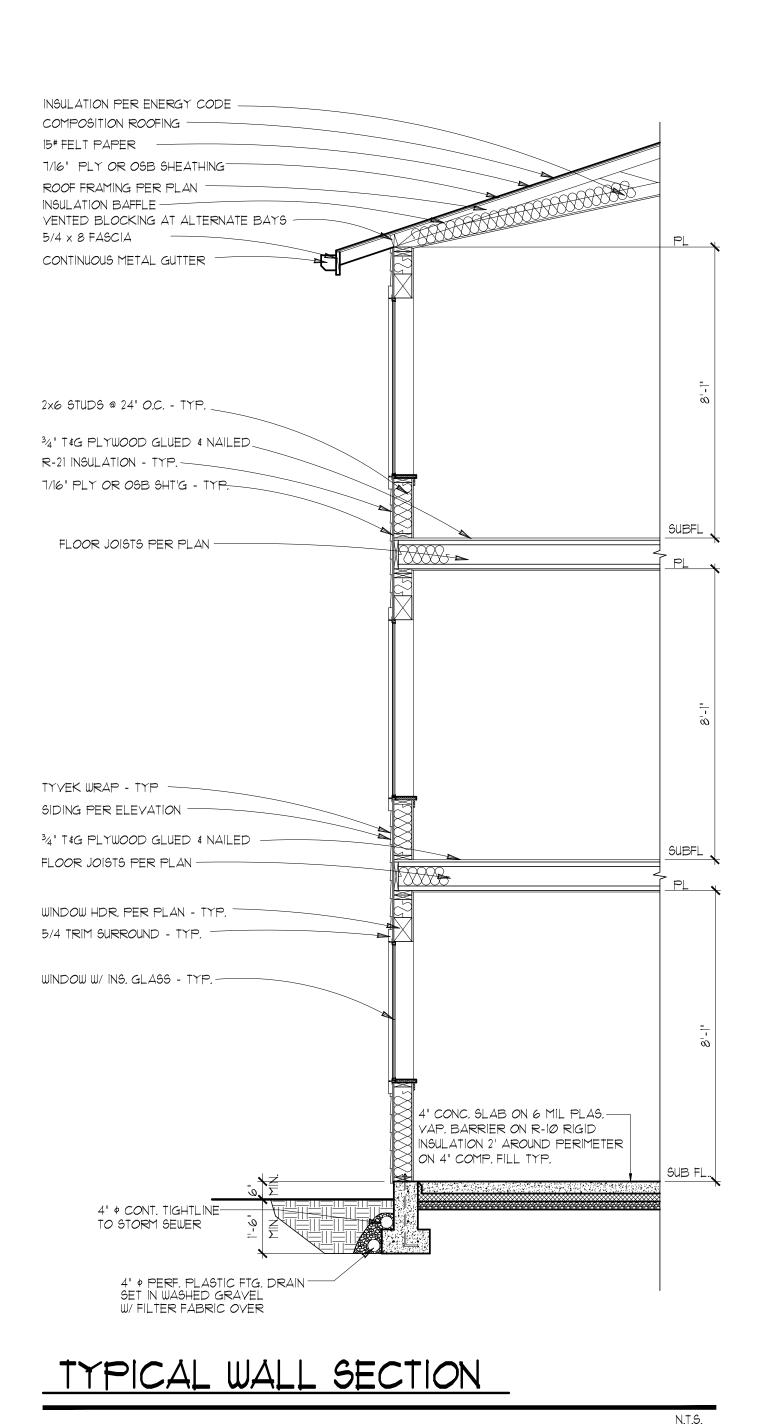
Permit Number: 20-04894

- THAN TWO SUCCESSIVE STUDS.
- NON-BEARING WALL MAXIMUM NOTCH 40%, BORING 60%

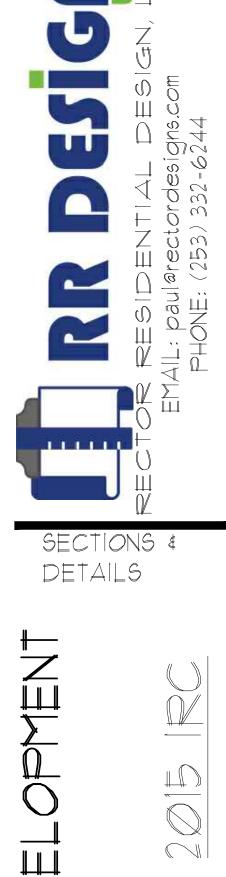
ENERGY CREDIT la: - Ø.5 CREDIT EFFICIENT BUILDING ENVELOPE la: PRESCRIPTIVE COMPLIANCE IS BASED ON TABLE R402.1.1 WITH THE FOLLOWING MODIFICATIONS: FENESTRATION U. = Ø.28 FLOOR R-38

ENERGY CREDIT 36: - 1.0 CREDIT AIR-SOURCE HEAT PUMP WITH MINIMUM HSPF OF 9.0 TO QUALIFY TO CLAIM THIS CREDIT, THE BUILDING PERMIT DRAWINGS SHALL SPECIFY THE OPTION BEING SELECTED AND SHALL SPECIFY THE HEATING EQUIPMENT TYPE AND THE MINIMUM EQUIPMENT EFFICIENCY.

Reviewed for code compliance with IRC 2015 County Building Department with@co.kitco



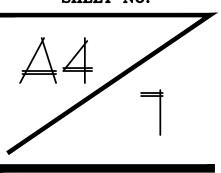
NOTE: 1/16" SHEATHING NOT REQUIRED ON EXT. WALLS WHERE TI-11 SIDING IS SPECIFIED (UNLESS NOTED OTHERWISE IN THE SHEAR WALL SPECIFICATIONS)

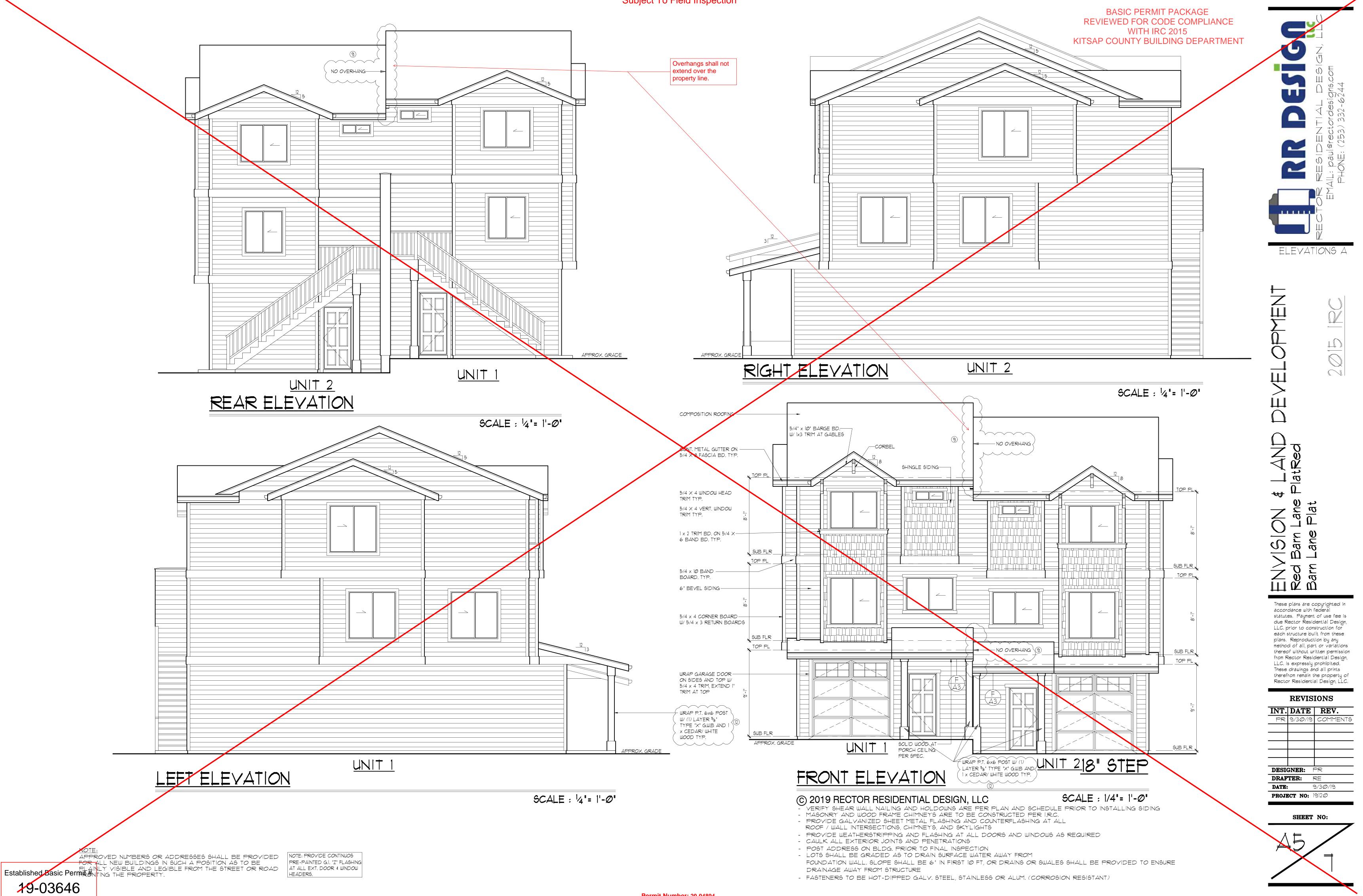


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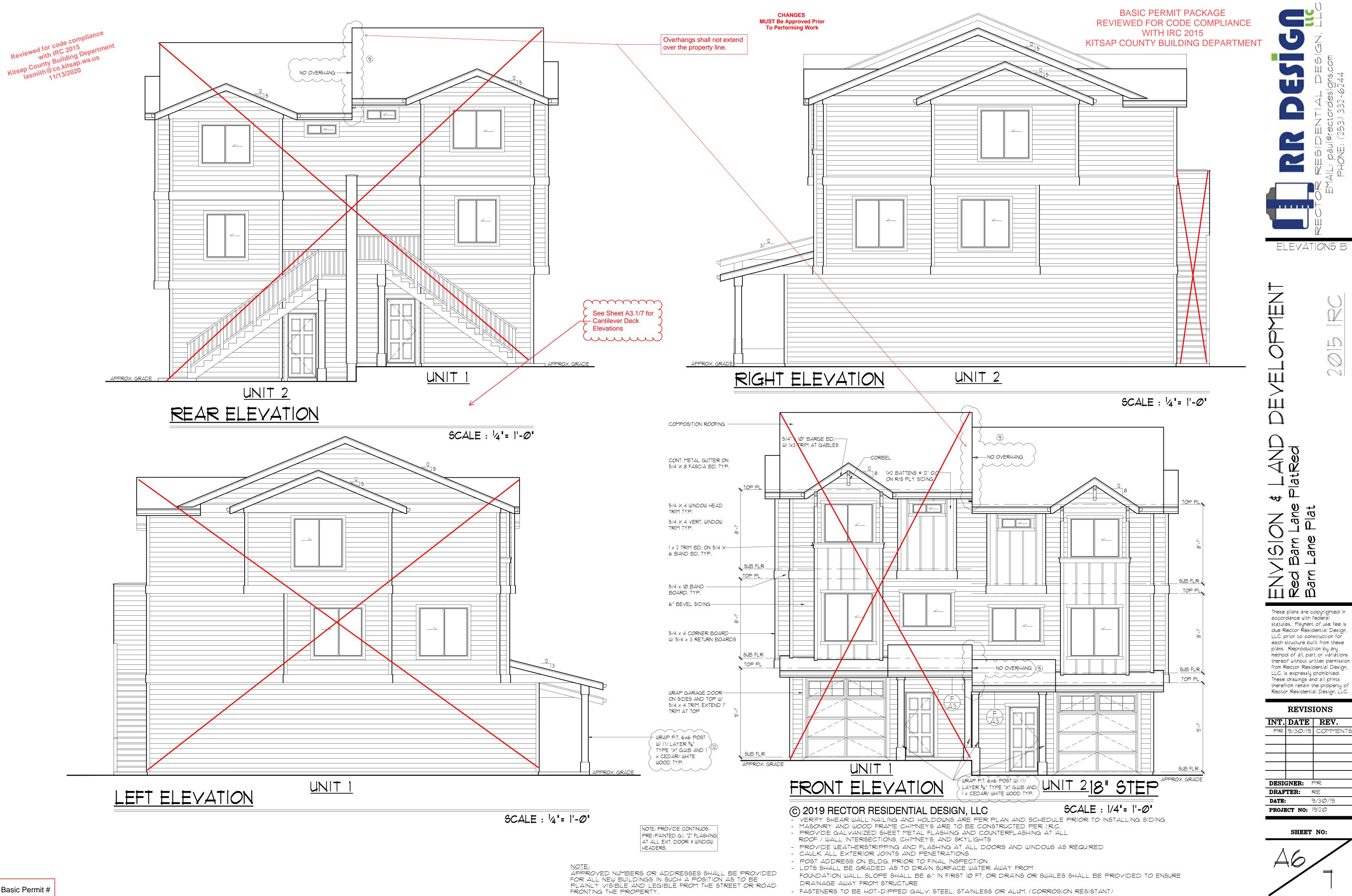
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REVISIONS						
INT.	DATE	REV.				
PR P	9/30/19	COMMENTS				
DESIG	GNER: f	°R				
DRAF	TER:	RE				
DATE:		3/30/19				
PROJE	ECT NO:	9120				





Subject To Field Inspection



Established Basic Permit # 19-03646

Subject To Field Inspection

MECHANICAL

HEATING EQUIPMENT

ALL WARM-AIR FURNACES SHALL BE LISTED AND LABELED BY AN APPROVED AGENCY AND INSTALLED TO LISTED SPECIFICATIONS.

NO WARM-AIR FURNACES 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 AN ELECTRIC HEATING FURNACES.

LIQUEFIED PETROLEUM GAS-BURNING APPLIANCES SHALL NOT BE INSTALLED IN A PIT. BASEMENT OR SIMILAR LOCATION WHERE HEAVIER THAN AIR GAS 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 GAS.

HEATING AND COOLING EQUIPMENT LOCATED IN A GARAGE AND WHICH GENERATES 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 IS INCHES ABOVE THE FLOOR LEVEL.

VENTILATION

LOCAL EXHAUST SHALL BE PROVIDED IN EACH KITCHEN, BATHROOM, WATER CLOSET, LAUNDRY ROOM, INDOOR SWIMMING POOL, SPA, AND OTHER ROOMS WHERE WATER VAPOR OR COOKING ODOR IS PRODUCED. PER IRC TABLE M15Ø7,4

MINIMUM REQUIRED LOCAL EXHAUST RATES FOR ONE-AND TWO-FAMILY DWELLINGS PER 2012 TABLE MI507.4

AREA TO BE EXHAUSTED	EXHAUSTED RATES
KITCHENS	100 CFM INTERMITTENT OR 25 CFM CONTINUOUS
BATHROOMS - TOILET ROOMS LAUNDRY ROOMS INDOOR SWIMMING POOLS \$ SPAS	MECHANICAL EXHAUST CAPACITY OF 50 CFM INTERMITTENT OR 20 CFM CONTINUOUS

FOR SI: I CUBIC FOOT PER MINUTE = 0.0004719 m /3.

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 LIGTING, MER'S INSTALLATION INSTRUCTIONS AND APPLICABLE CODE REQUIREMENTS.

A TYPE L VENTING SYSTEM SHALL TERMINATE NOT LESS THAN 2 FEET ABOVE THE HIGHEST POINT WHERE THE VENT PASSES THROUGH THE ROOF OF THE BUILDING AND AT LEAST 2' HIGHER THAN ANY PORTION OF THE BUILDING WITHIN 10' OF THE VENT.

2015 WASHINGTON STATE ENERGY CODE - R403.5.

WHOLE HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICACY, MECHANICAL VENTILATION SYSTEM FANS SHALL MEET THE EFFICACY REQUIREMENTS OF TABLE R403.5.1. EXCEPTION: WHERE MECHANICAL VENTILATION FANS ARE INTEGRAL TO TESTED AND LISTED HVAC EQUIPMENT, THEY SHALL BE POWERED BY AN ELECTRONICALLY COMMUTATED MOTOR.

TABLE R403.5.1

MECHANICAL	VENTILATION S	YSTEM FAN	EFFICAC	\uparrow

FAN LOCATION	AIR FLOW RATE MINIMUM (CFM)	MINIMUM EFFICACY (CFM/WATT)	AIR FLOW RATE MAXIMUM (CFM)
RANGE HOODS	ANY	2.8 CFM/WATT	ANY
IN-LINE-FAN	ANY	2.8 CFM/WATT	ANY
BATHROOM, UTILITY ROOM	IØ	1.4 CFM/WATT	,୨୭
BATHROOM, UTILITY ROOM	9Ø	2.8 CFM/WATT	ANY

MECHANICAL VENTILATION RATE

THE WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM SHALL PROVIDE OUTDOOR AIR TO EACH HABITABLE SPACE AT A CONTINUOUS RATE OF NOTE LESS THAN THAT DETERMINED IN ACCORDANCE WITH TABLE MI507.3.3(1)

EXEMPTION: THE WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM IS PERMITTED TO OPERATE INTERMITTENTLY WHERE THE SYSTEM HAS CONTROLS THAT ENABLE OPERATION FOR NOT LEGS THAN 25 PERCENT OF EACH 4-HOUR SEGMENT AND THE VENTILATION RATE PRESCRIBED IN TABLE MI507.3.3(1) IS MULTIPLIED BY THE FACTOR DETERMINED IN ACCORDANCE WITH TABLE MI507.3.3(1)

<u> TABLE R1507.3.3(1)</u>

CONINUOUS WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM AIREL AND RAT REALIREMENTS

	AIRFLOW	K AI	REQUIRE	
\sim	$\overline{\checkmark}$	\sim	\sim	

Γ	DWELLING UNIT	NUMBER	OF BEDROO	MS		
	FLOOR AREA	Ø-1	2-3)	4-5	6-7	7
	(SQUARE FEET)		AIRE	LOW IN CFM		
	J,500	3Ø	45 /	60	75	90
F	1,501-3,000	45	~60	75	90	105
	3,001-4,500	60	75	90	1Ø5	12Ø
	4,501-6,000	75	90	1Ø5	12Ø	135
	6,001-7,500	90	105	12Ø	135	150
	,7,5 <i>00</i>	105	12Ø	135	150	165

DUCT LEAKAGE PROTECTION:

DUCTS SHALL BE LEAK TESTED IN ACCORDANCE WITH WOU RS-33, USING THE MAXIMUM DUCT LEAKAGE RATES SPECIFIED.

BUILDING AIR LEAKEAGE TESTING 2015 WSEC SEC. 4024.1.2 THE BUILDING OR DWELLING UNIT SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE OF NOT EXCEEDIING 5 AIR CHANGES PER HOUR. TESTING SHALL BE CONDUCTED WITH A BLOWER DOOR AT A PRESSURE OF Ø.2 INCHES W.G. WHERE REQUIRED BY THE CODE OFFICIAL, TESTING SHALL BE CONDUCTED BY AN APPROVED THIRD PARTY. A WRITTEN REPORT OF THE RESULTS OF THE TEST SHALL BE SIGNED BY THE PARTY CONDUCTION THE TEST AND PROVIDED TO THE CODE OFFICIAL. TESTING SHALL BE PERFORMED AT ANY TIME AFTER CREATION OF ALL PENETRATIONS OF THE BUILDING THERMAL ENVELOPE. ONCE VISUAL INSPECTION HAS CONFIRMED SEALING (SEE TABLE R402.4.1.1), OPERABLE WINDOWS AND DOORS MANUFACTURED BY SMALL BUSINESS SHAL BE PERMITTED TO BE SEALED OFF AT THE FRAME PRIOR TO THE TES.

> 2015 WASHINGTON STATE ENERGY CODE - TABLE 402.1.1 INGULATION AND EENERTRATION REQUIREMENTERY COMPONENT OF MATE 70NE F & MARINE /

INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT CLIMATE ZONE 5 & MARINE 4								
FENESTRATION U-FACTOR		CEILING	VAULTED	WOOD	WALL		FRAMED	SLAB ON
VERTICAL	OVERHEAD	W/ ATTIC	CEILING	FRAMED	BELOW GRADE	MASS WALL	FLOOR	GRADE
0.28 0.50 R-49 R-38 R-21				R-21	R-10/15/21 TB	R-21/21H	R-30	R-10 2'
TEMPERATURE CONTROL								

AT LEAST ONE THERMOSTAT SHALL BE PROVIDED FOR EACH SEPARATE HEATING AND COOLING SYSTEM WSEC SEC. 403.1

TABLE M15Ø7.3.3(2)

TABLE M15Ø7.3.3(2)						
RUN-TIME PERCENTAGE IN EACH 4-HOUR SEGMENT	25%	33%	50%	66%	75%	100%
FACTOR	4	3	2	1.5	1.3 (
a. FOR VENTILATION SYSTEM RUN	TIME VALUES	BETWEEN TH	OSEE GIVEN,		RS ARE	

PERMITTED TO BE DETERMINED BY INTERPOLATION.

b. EXTRAPOLATION BEYOND THE TABLE IS PROHIBITED.

VENT	ILAT	ION	SCH	_

VENTILATION	REQUIREMENTS	
SYMBOL		
	KITCHENS	
- P 2	BATHROOMS-TO	
Who le e House Han	EXHAUST FANS PRO AT 0.25 INCHES WA FAN FLOW RATINGS PER M1507.3.4.1	
EXCEPTION: THE WHOLE - HOUSE MEC WHERE THE SYSTEM HAS CONTROLS		

4-HOUR SEGMENT AND THE VENTILA FACTOR DETERMINED IN ACCORDAN

		<u>WHOLE HOU</u> whole hou
	1.	INTERMITTENT WHY USIN
	2.	INTERMITTENT WHY USIN
	3.	INTERMITTENT WHY USIN
	4.	INTERMITTENT WHY USIN
	5.	CONTINUOUS HY SYSTEM

ENERGY NOTES:

WATER HEATER:	GAS HIGH EFFICIENCY	MIN. Ø.91 EF
HEATING:	GAS FURNACE	90% AFUE U.N.O.
	HEAT PUMP	MIN, 9,0 HSPF
WATER HEATER:	ELECTRIC HIGH EFFICIENCY	MIN. 2.Ø EF
HEATING:	ELECTRIC FURNACE	90% U.N.O.
	HEAT PUMP	MIN. 9.0 HSPF

DUCT TESTING BASED ON THE PROTOCOL FOR 'TOTAL LEAKAGE TESTING, ' OR LEAKAGE TO OUTDOORS" DUCT

LEAKAGE IN NEW CONSTRUCTION SHALL NOT EXCEEED 0.04 CFM25 X FLOOR AREA (IN SQUARE FEET) SERVED BY THE SYSTEM FOR LEAKAGE TO OUTDOORS OR FOR TOTAL LEAKAGE WHEN TESTD POST CONSTRUCTION. WHEN TESTING AT ROUGH-IN, TARGETS SHOULD NOT EXCEED 0.04 CFM25 X FLOOR AREA IN (IN SQUARE FEET) FOR TOTAL LEAKAGE OR Ø.Ø3 CFM25 x FLOOR ARE (IN SQUARE FEET) IF THE AIR HANDLER IS NOT INSTALLED.

AIR HANDLERS LOCATED ENTIRELY WITHIN THE BUILDING THERMAL ENVOLOPE. DUCTS LOCATED IN CRAWL SPACES DO NOT QUALIFY FOR THIS EXCEPTION.

inspector prior to an approved final inspection. BLOWER DOOR TESTING

to the building inspector, prior to approved final inspection INSULATION CERTIFICATE

The design professional or builder shall complete and post a "Insulation Certificate for Residential Construction" within 3' of the electrical panel prior to final inspection.

ENERGY CREDIT 3a: - 1.0 CREDIT GAS, PROPANE OR OIL-FIRED FURNACE WITH MINIMUM AFUE OF 94%, OR GAS, PROPANE OR OILED-FIRED BOILER IWTH MINIMUM AFUE OF 92% TO QUALIFY TO CLAIM THIS CREDIT, THE BUILDING PERMIT DRAWINGS SHALL SPECIFY THE OPTION BEING SELECTED AND SHALL SPECIFY THE HEATING EQUIPMENT TYPE AND THE MINIMUM EQUIPMENT EFFICIENCY.

ENERGY CREDIT 5a: - Ø.5 CREDIT EFFICIENT WATER HEATING 5a: ALL SHOWERHEAD AND KITCHEN SINK FAUCETS INSTALLED IN THE HOUSE SHALL BE RATED AT 1.75 GPM OR LESS, ALL OTHER LAVATORY FAUCETS SHALL BE RATED AT 1.0 GPM OR LESS. TO QUALIFY TO CLAIM THIS CREDIT, THE BUILDING PERMIT DRAWINGS SHALL SPECIFY THE OPTION BEING SELECTED AND SHALL SPECIFY THE MAXIMUM FLOW RATES FOR ALL SHOWERHEADS, KITCHEN SINK FAUCETS, AND OTHER LAVATORY FAUCETS.

Established Basic Permit # 19-03646

Subject To Field Inspection

CHANGES

MUST Be Approved Prior

To Performing Work

Whole House fan to have be a

(See Energy Code Worksheet).

45cfm fan with a continuous runtime

DULE

OF IRC TABLE 1506.3			
	100 CFM INTERMITTENT OR 25 CFM CONTINUOUS		
OILET ROOMS	MECHANICAL EXHAUST CAPACITY OF 50 CFM INTERMITTENT OR 20 CFM CONTINUOUS		
OVIDING WHOLE-HOUSE VENTILATION SHALL HAVE A FLOW RATING ATER GAUGE AS SPECIFIED IN TABLE MI507.3.3(1). MANUFACTURERS' SHALL BE DETERMINED ACCORDING TO HVI 916 OR AMCA 210			
HANICAL VENTILATION SYSTEM IS PERMITTED TO OPERATE INTERMITTENTLY 3 THAT ENABLE OPERATION FOR NOT LESS THAN 25-PERCENT OF EACH ATION RATE PRESCRIBED IN TABLE MI507.3.3(1) IS MULTIPLIED BY THE INCE WITH TABLE MI507.3.3(2)			
DUSE VENTILATION (1995 VENTILATION SYSTEMS	<u>PRESCRIPTIVE WHV)</u> , Y <i>o</i> u will be using.		
NG EXHAUST FANS AND FRE	NG EXHAUST FANS AND FRESH AIR INLETS (IRC MI507.3.4)		

NG INTEGRATED WITH A FORCED AIR SYSTEM (IRC 1507.3.5)

NG A SUPPLY FAN (IRC M1507.3.6)

NG A HEAT RECOVERY VENTILATION SYSTEM (IRCMI5Ø1.3.1)

EM AIRFLOW RATE

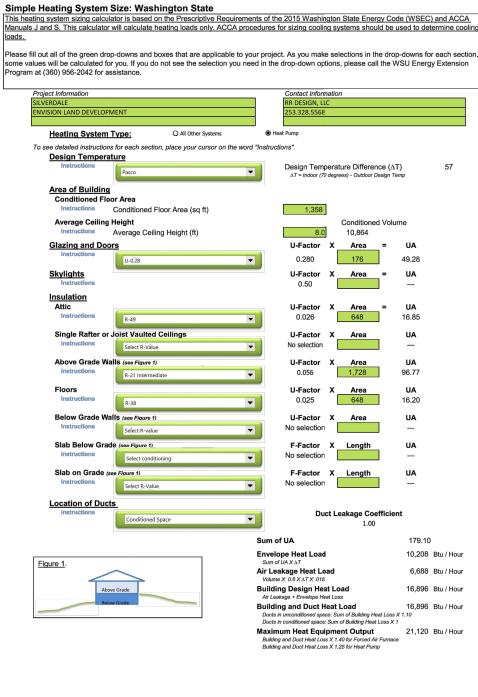
EXCEPTION: THE TOTAL LEAKAGE TEST IS NOT REQUIRED FOR DUCTS AND

Provide a copy of the "Duct Leakage Affidavit for New Construction" to the building

Provide a written report of the Blower Door test results, signed by the testing party,

BASIC PERMIT PACKAGE REVIEWED FOR CODE COMPLIANCE WITH IRC 2015 KITSAP COUNTY BUILDING DEPARTMENT

With IRC 2015 With IRC 2015 Kitsap County Building Department Jasmith@co.kitsap.wa.us 11/13/2020



Project Information		Contact I
SILVERDALE		
ENVISION LAND DEVELOPME	INT	
This project will use the require the minimum values listed. In ac number of additional credits are	ldition, based on the size	e of the structure
Authorized Representative		
All (Climate Zones	
	R-Value ^a	U-Factor ^a
Fenestration U-Factor ^b	n/a	0.30
Skylight U-Factor	n/a	0.50
Glazed Fenestration SHGC ^{b,e}	n/a	n/a
Ceiling ^k	49 ^j	0.026
Wood Frame Wall ^{g,m,n}	21 int	0.056
Mass Wall R-Value ⁱ	21/21 ^h	0.056
Floor	30 ^g	0.029
Below Grade Wall ^{c,m}	10/15/21 int + TB	0.042
	10, 2 ft	n/a
Slab ^d R-Value & Depth	1.3 Footnotes included on	

enestration area. Additions to less than 1500 square feet 2. Medium Dwelling Unit: 3.5 credits All dwelling units that are not included in #1 or #3. Exception: Dwelling units serving R-2 occupancies shall

require 2.5 credits □ 3. Large Dwelling Unit: 4.5 credits Dwelling units exceeding 5000 square feet of conditioned floor area.

☐ 4. Additions less than 500 square feet: .5 credits Table R406.2 Summary

Option	Description	Credit(s)
1a	Efficient Building Envelope 1a	0.5
1b	Efficient Building Envelope 1b	1.0
1c	Efficient Building Envelope 1c	2.0
1d	Efficient Building Envelope 1d	0.5
2a	Air Leakage Control and Efficient Ventilation 2a	0.5
2b	Air Leakage Control and Efficient Ventilation 2b	1.0
2c	Air Leakage Control and Efficient Ventilation 2c	1.5
3a	High Efficiency HVAC 3a	1.0
3b	High Efficiency HVAC 3b	1.0
3c	High Efficiency HVAC 3c	1.5
3d	High Efficiency HVAC 3d	1.0
4	High Efficiency HVAC Distribution System	1.0
5a	Efficient Water Heating 5a	0.5
5b	Efficient Water Heating 5b	1.0
5c	Efficient Water Heating 5c	1.5
5d	Efficient Water Heating 5d	0.5
6	Renewable Electric Energy	0.5

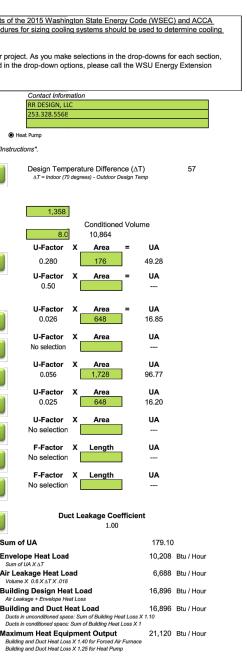
*Please refer to Table R406.2 for complete option descriptions

Table R402.1.1 Footnotes

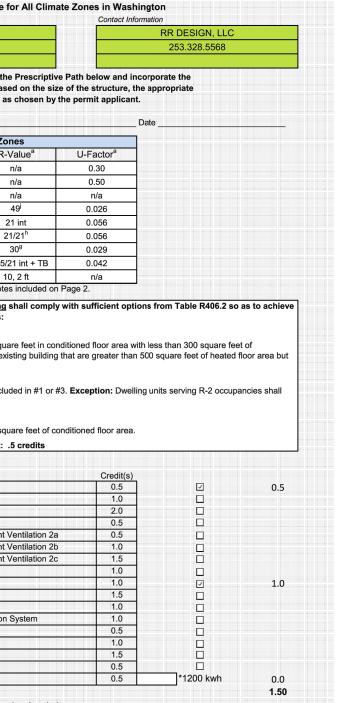
^a R-values are minimums. U-factors and SHGC are maximums. When insulation
less than the label or design thickness of the insulation, the compressed R-va
Appendix Table A101.4 shall not be less than the R-value specified in the tab ^b The fenestration U-factor column excludes skylights. The SHGC column app
^c "10/15/21.+TB" means R-10 continuous insulation on the exterior of the wa
insulation on the interior of the wall, or R-21 cavity insulation plus a thermal
basement wall at the interior of the basement wall. "10/15/21.+TB" shall be
cavity insulation on the interior of the basement wall plus R-5 continuous ins
of the wall. "10/13" means R-10 continuous insulation on the interior or exte
insulation at the interior of the basement wall. "TB" means thermal break be
wall.
^d R-10 continuous insulation is required under heated slab on grade floors. So
^e There are no SHGC requirements in the Marine Zone.
^f Reserved.
^g Reserved.
^h Reserved.
The second R-value applies when more than half the insulation is on the int
^J Reserved.
^k For single rafter- or joist-vaulted ceilings, the insulation may be reduced to
Reserved.
^m Int. (intermediate framing) denotes standard framing 16 inches on center v
minimum of R-10 insulation.

Table R402.1.3 Footnote ^a Nonfenestration U-factors shall be obtained from measurement, calculation or an approved source or as specified in Section R402.1.3.

Permit Number: 20-04894



(07/01/13)



For SI: 1 foot .= 304.8 mm, ci .= continuous insulation, int .= intermediate framing. tion is installed in a cavity which is value of the insulation from oplies to all glazed fenestration. wall, or R-15 on the continuous al break between the slab and the e permitted to be met with R-13 sulation on the interior or exterio terior of the home or R-13 cavity between floor slab and basement

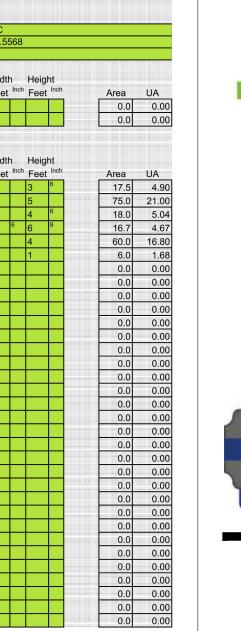
See R402.2.9.1.

nterior of the mass wall.

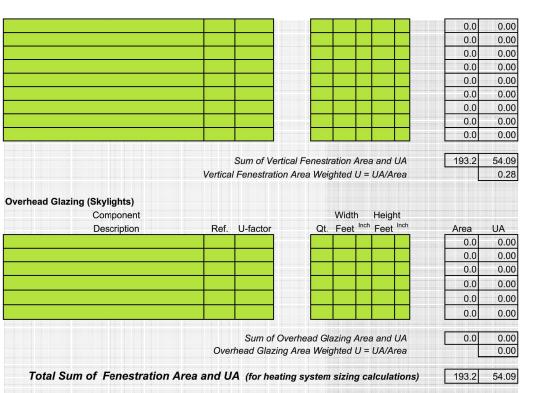
o R-38.

with headers insulated with a









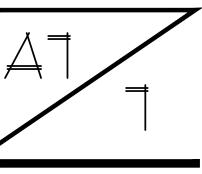
VIGION & LAND DEVELOPY Barn Lane PlatRed	
	1 5 1
These plans are c accordance with f statutes. Payment due Rector Resic	of use fee is

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nted in e fee is due Rector Residential Design, LLC. prior to construction for each structure built from these plans. Reproduction by any method of all, part or variations thereof without written permission from Rector Residential Design, LLC. is expressly prohibited. These drawings and all prints therefrom remain the property of Rector Residential Design, LLC.

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INT.	DATE	REV.	
PR	9/30/19	COMMENTS	
DESIG	GNER: f	PR	
DRAF	TER:	RE	
DATE:	ç	3/30/19	
PROJE	PROJECT NO: 19120		



Reviewed for code compliance with IRC 2015 With Building Departm Kitsap County Building Departm Iasmith@co.kitsap.wa.us 11/13/2020

MFR. COMMON TRUSSES @ 24" O.C. -AS PER MFG. SPECS. TYP.

MFR. COMMON TRUSSES © 24" O.C.— AS PER MFG. SPECS. TYP.

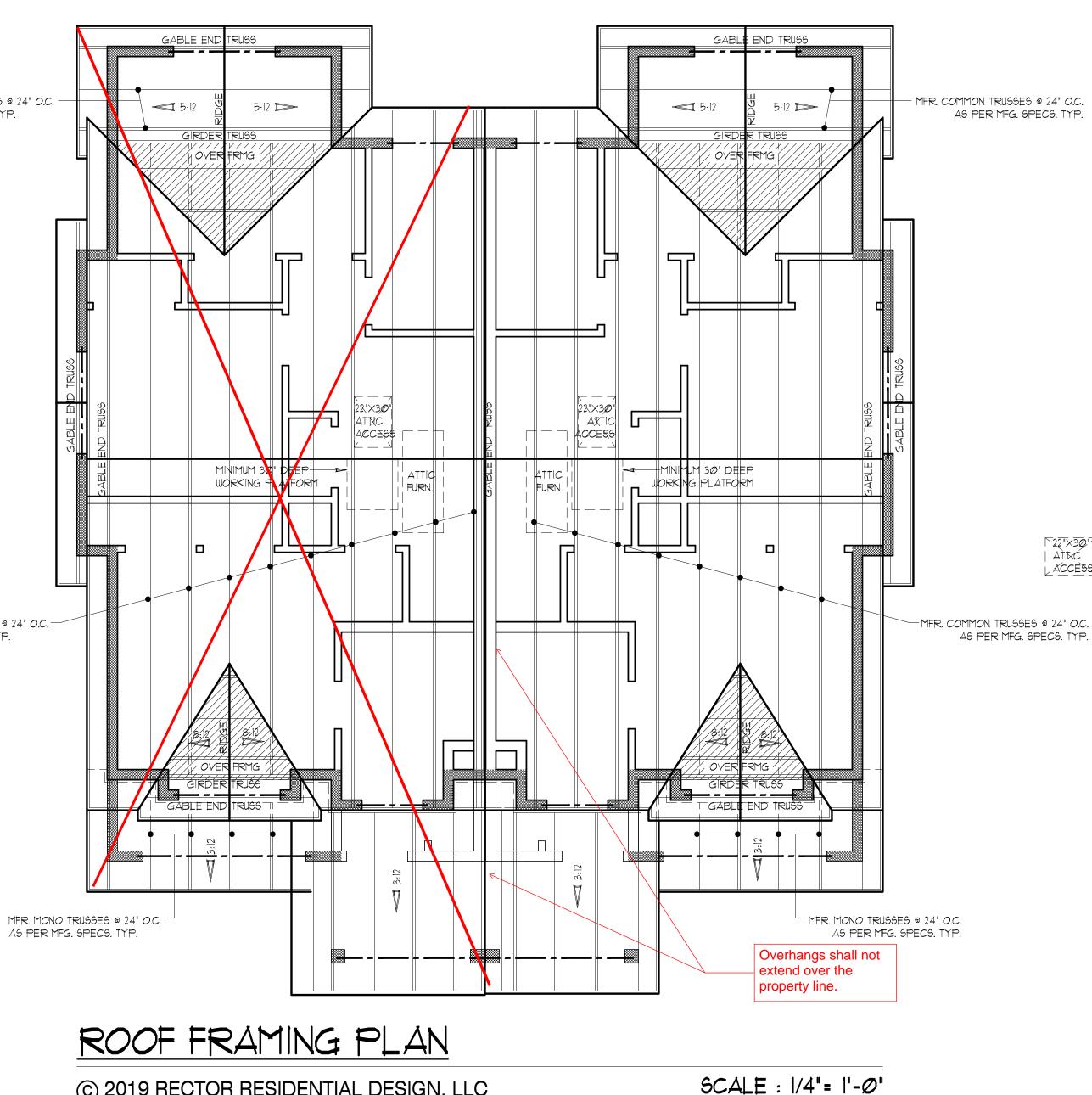
NOTE: REFER TO STRUCTURAL SHEETS FOR SHEAR WALL SCHEDULE AND ENGINEERING PLAN WHICH CONTAIN DETAIL REFERENCES AND/OR INSTRUCTIONS PERTAINING TO EACH SHEAR Established Basic Permit HL INDICATED IN THIS PLAN.

19-03646

NOTE:

CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS OF PROJECT AND REPORT ANY OMISSIONS / DISCREPANCIES TO DESIGNER PRIOR TO COMMENCING WORK. DESIGNER SHALL NOT BE RESPONSIBLE FOR DISCREPANT CONDITIONS RESULTING FROM UNAUTHORIZED WORK PERFORMED BY THE CONTRACTOR.

CHANGES MUST Be Approved Prior To Performing Work

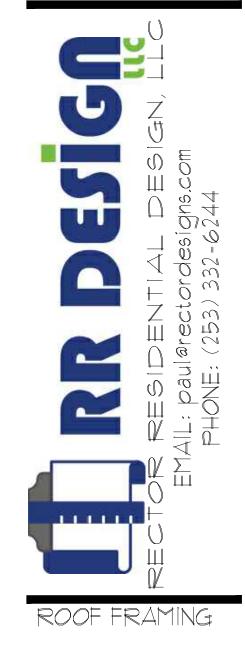


© 2019 RECTOR RESIDENTIAL DESIGN, LLC - ALL BEAMS AND HEADERS TO BE 6×8 DF #2 AT 2×6 BEARING WALLS, U.N.O., 6'-Ø" MAX. SPAN

- ALL BEAMS AND HEADERS TO BE 4×10 DF #2 AT 2×4 BEARING WALLS, U.N.O., 6'-0" MAX. SPAN
- SHADED AREAS INDICATE OVERFRAMING, 2×6 @ 24" O.C., U.N.O.
- BEARING WALLS ARE INDICATED AS SHADED WALLS - PROVIDE VENTED BLOCKING AT REQUIRED TRUSS/RAFTER BAYS
- ALL MANUFACTURED TRUSSES:
- * SHALL NOT BE FIELD ALTERED WITHOUT ENGINEER'S APPROVAL
- * SHALL HAVE DESIGN DETAILS AND DRAWINGS ON SITE FOR FRAMING INSPECTION
- * SHALL BE INSTALLED AND BRACED TO MANUFACTURER'S SPECIFICATION
- * SHALL CARRY MANUFACTURER'S STAMP ON EACH TRUSS
- IF AN ENGINEERED ROOF FRAMING LAYOUT IS PROVIDED BY THE TRUSS SUPPLIER, THAT TRUSS LAYOUT SHALL SUPERCEDE THE TRUSS LAYOUT INDICATED IN THE PLANS.
- PROVIDE TRUSS LAYOUT AND SPECS ON SITE FOR INSPECTION.
- PROVIDE SOLID FRAMING EQUAL TO THE WIDTH OF THE MEMBER BEING SUPPORTED (U.N.O.)

BASIC PERMIT PACKAGE REVIEWED FOR CODE COMPLIANCE WITH IRC 2015 KITSAP COUNTY BUILDING DEPARTMENT

►22"×30" | ATHC | ACCESS





#____

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REVISIONS			
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р М	9/3Ø/19	COMMENTS	
DESIGNER: PR			
DRAF	DRAFTER: RE		
DATE:	DATE: 9/30/19		
PROJE	PROJECT NO: 19120		

