GENERAL NOTES:

ALL CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING BUILDING CODES AND AMENDMENTS PER THEIR ADOPTING ORDINANCES:

- 2018 WASHINGTON STATE AMENDMENTS INCLUSIVE OF:
- 2018 INTERNATIONAL RESIDENTIAL CODE (IRC)
- 2018 INTERNATIONAL MECHANICAL CODE (IAPMO)
- 2018 UNIFORM PLUMBING CODE (IAPMO) 2017 NATIONAL ELECTRICAL CODE
- 2018 INTERNATIONAL FIRE CODE
- 2018 WASHINGTON STATE ENERGY CODE (WSEC), RESIDENTIAL PROVISIONS

REQUIRED ADDITIONAL SUBMITTAL FROM MANUFACTURERS

AT TIME OF PERMIT SUBMITTAL

I. MANUFACTURED FLOOR JOIST/ TRUSS DESIGN AND LAYOUT 2. MANUFACTURED ROOF TRUSS DESIGN AND LAYOUT.

SITE WORK:

R302.10.1 INSULATION

I. FOUNDATION DESIGN IS BASED ON AN ASSUMED AVERAGE SOIL BEARING OF 1,500 PSF, UNLESS A SOILS INVESTIGATION BY A QUALIFIED SOILS ENGINEER IS PROVIDED. 2. EXTERIOR FOOTING SHALL BEAR 18" (MIN.) BELOW FINISHED GRADE.

3. FOOTINGS TO BEAR ON FIRM UNDISTURBED EARTH BELOW ORGANIC SURFACE SOILS. 4. BACKFILL MATERIALS TO BE THOROUGHLY COMPTACTED.

INSULATION AND MOISTURE PROTECTION

R302.10 FLAME SPREAD INDEX AND SMOKE-DEVELOPED INDEX FOR INSULATION FLAME SPREAD AND SMOKE-DEVELOPED INDEX FOR INSULATION SHALL BE IN ACCORDANCE WITH SECTIONS R302,10,1 THROUGH R302,10,5.

INSULATION MATERIALS, INCLUDING FACINGS, SUCH AS VAPOR RETARDERS AND VAPO-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 ACCOMPLISHING SMOKE-DEVELOPED INDEX NOT TO EXCEED 450 WHERE TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 123.

- EXCEPTIONS: WHERE SUCH MATERIALS AREW INSTALLED IN CONCEALED SPACES, THE FLAME SPREAD INDEX AND SMOKE-DEVELOPED INDEX LIMIATATIONS 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 FIBER LOOSE-FILL INSULATION, THAT IS NOT SPRAY APPLIED, COMPLYING WITH THE REQUIREMENTS OF SECTION R302.10.3, SHALL NOT BE REQUIRED TO MEET THE SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450 WHERE TESTED IN ACCORDANCE WITH CAN/ULC SIØ2.2.
- 3. FOAM PLASTIC INSULATION SHALL COMPLY WITH SECTION R316. R302.10.2 LOOSE-FILL INSULATION

LOOSE-FILL INSULATION MATERIALS THAT CANNOT BE MOUNTED IN THE ASTM E 84 OR UL 123 APPARATUS WITHOUT A SCREEN OR ARTIFICIAL SUPPORTS SHALL COMPLY WITH THE FLAME SPREAD AND SMOKE-DEVELOPED LIMITS OF SECTION R302.10.1 WHERE TESTED IN ACCORDANCE WITH CAN/ULC 5102.2.

EXCEPTION: CELLULOSIC FIBER LOOSE-FILL INSULATION SHALL NOT BE REQUIRED TO BE TESTED IN ACCORDANCE WITH CAN/ULC SIØ2.2 PROVIDED SUCH INSULATION COMPLIES WITH THE REQUIREMENTS OF SECTIONS R302.10.1 AND R302.10.3.

R302.10.3 CELLULOSIC FIBER LOOSE-FILL INSULATION CELLULOSIC FIBER LOOSE-FILL INSULATION SHALL COMPLY WITH CPSC 16 CFR, PARTS 1209 AND 1404. EACH PACKAGE OF SUCH INSULATING MATERIAL SHALL BE CLEARLY LABELED IN ACCORDANCE WITH CPSC 16 CFR, PARTS 1209 AND 1404.

R302.10.1 EXPOSED ATTIC INSULATION EXPOSED INSULATION MATERIALS INSTALLED ON ATTIC FLOORS SHALL HAVE A CRITICAL

RADIANT FLUX NOT LESS THAN Ø.12 WATT PER SQUARE CENTIMETER. R302.10.5 TESTING TESTS FOR CRITICAL RADIANT FLUX SHALL BE MADE IN ACCORDANCE WITH ASTM E 970.

CONTROL EXTERIOR JOINTS AROUND WINDOWS AND DOOR FRAMES, PENETRATIONS IN FLOORS, ROOFS AND WALLS AND ALL SIMILAR OPENINGS SHALL BE SEALED, CAULKED,

R102.1 VAPOR RETARDERS CLASS | OR || VAPOR RETARDERS ARE REQUIRED ON THE INTERIOR SIDE OF FRAME WALLS IN CLIMATE ZONES 5, 6, 1, 8, AND MARINE 4.

EXCEPTIONS: BASEMENT WALLS

BELOW-GRADE PORTRION OF ANY WALL CONSTRUCTION WHERE MOISTURE OR ITS FREEZING WILL NOT DAMAGE THE MATERIALS.

R702.7.1 CLASS III VAPOR RETARDER CLASS CLASS III VAPOR RETARDERS SHALL BE PERMITTED WHERE ANY ONE OF THE CONDITIONS IN TABLE RTØ2.7.1 IS MET

GASKETED OR WEATHERSTRIPPED TO LIMIT AIR LEAKAGE.

THE VAPOR RETARDER CLASS SHALL BE BASED ON THE MANUFACTURER'S CERTIFIED TESTING OR TESTED ASSEMBLY. THE FOLLOWING SHALL BE DEEMED TO MEET THE CLASS SPECIFIED:

CLASS II: KRAFT-FACED FIBERGLASS BATTS.

CLASS 1: SHEET POLYETHYLENE, UNPERFORATED ALUMINUM FOIL

CLASS III: LATEX OR ENAMEL PAINT.

R102.1.2 MATERIAL VAPOR RETARDER CLASS.

R102.1.3 MINIMUM CLEAR AIRSPACES AND VENTED OPENINGS FOR VENTED CLADDING. FOR THE PURPOSES OF THIS SECTION, VENTED CLADDING SHALL INCLUDE THE FOLLOWING MINIMUM CLEAR AIRSPACES, OTHER OPENING WITH THE EQUIVALENT VENT AREA SHALL BE

I. VINYL LAP OR HIRIZONTAL ALUMINUM SIDING APPLIED OVER A WEATHER-RESISTIVE BARRIER AS SPECIFIED IN TABLE RT03.3(1.).

2. BRICK VENEER WITH A CLEAR AIRSPACE AS SPECIFIED IN TABLE R703.8.4

3. OTHER APPROVED VENTED CLADDINGS.

WSEC R402.4 AIR LEAKAGE (MANDATORY)

THE BUILDING THERMAL ENVELOPE SHALL BE CONSTRUCTED TO LIMIT AIR LEAKAGE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS OF R402.4.1 THROUGH R402.4.4. THE BUILDING OR DWELLING UNIT SHALL BE TESTED AND VERIFIED AS HAVING AN AIR

LEAKAGE RATE NOT EXCEEDING 5 AIR EXCHANGES PER HOUR.

DRAFTSTOPPING:

IN COMBUSTIBLE CONSTRUCTION WHERE THERE IS USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR/CEILING ASSEMBLY, 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 AND A CEILING

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.

R302.12.1 MATERIALS.DRAFTSTOPPING MATERIALS SHALL NOT BE LESS THAN 1/2" GYPSUM BOARD, 3/8" WOOD STRUCTURAL PANELS OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED. DRAFTSTOPPING SHALL BE INSTALLED PARALLEL TO THE FLOOR FRAMING MEMBER UNLESS OTHERWISE APPROVED BY THE BUILDING OFFICIAL. THE INTEGRITY OF THE DRAFTSTOPS SHALL BE MAINTAINED.

FIREBLOCKING:

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

1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS:

.I VERTICALLY AT THE CEILING AND FLOOR LEVELS. 1.2. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FT.

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 SECTION R302.7.(1/2" GWB) 4. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES WIRES AT CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E 136 REQUIREMENTS.

5. FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES, SEE SECTION RID03.19. 6. FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING UNIT SEPARATION. FIREBLOCKING SHALL CONSIST OF MATERIALS LISTED IN IRC

SECTION R 302.11.1 LOOSE FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIREBLOCK UNLESS SPECIFICALLY TESTED IN THE FORM AND MANNER INTENDED.

FLASHING.

APPROVED CORROSION-RESISTANT FLASHING SHALL BE APPLIED SHINGLE-FASHION IN A MANNER TO PREVENT ENTRY OF WATER INTO THE WALL CAVITY OR PENETRATION OF WATER TO THE BUILDING STRUCTURAL FRAMING COMPONENTS. SELF-ADHERED T MEMBRANES USED AS FLASHING SHALL COMPLY WITH AAMA 1111. THE FLASHING SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH. APPROVED CORROSION-RESISTANT FLASHINGS SHALL BE INSTALLED AT ALL OF THE FOLLOWING LOCATIONS:

1. EXTERIOR WINDOW AND DOOR OPENINGS, FLASHING AT EXTERIOR WINDOW AND DOOR OPENINGS SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH OR TO THE WATER-RESISTIVE BARRIER FOR SUBSEQUENT DRAINAGE. FLASHING AT EXTERIOR WINDOW AND DOOR OPENINGS SHALL BE INSTALLED IN ACCORDANCE WITH ONE OR MORE OF THE FOLLOWING. I.I THE FENESTRATION MANUFACTURE'S INSTALLATION AND FLASHING INSTRUCTIONS, OR FOR APPLICATIONS NOT ADDRESSED IN THE FENESTRATION MANUFACTURERS INSTRUCTIONS. WHERE FLASHING INSTRUCTIONS OR DETAILS ARE NOT PROVIDED, PAN FLASHING SHALL BE INSTALLED AT THE STILL OF EXTERIOR WINDOW AND DOOR OPENINGS. PAN FLASHING SHALL BE SEALED OR SLOPED IN SUCH A MANNER AS TO DIRECT WATER TO THE SURFACE OF THE EXTERIOR WALL FINISH OR TO THE WATER-RESISTIVE BARRIER FOR SUBSEQUENT DRAINAGE. OPENINGS USING PAN FLASHING SHALL ALSO INCORPORATE FLASHING OR PROTECTION AT THE HEAD AND SIDES. 1.2 IN ACCORDANCE WITH THE FLASHING DESIGN OR METHOD OF A REGISTERED DESIGN PROFESSIONAL. 1.3. IN ACCORDANCE WITH OTHER APPROVED METHODS.

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

UNDER STUCCO COPINGS 3. UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL COPINGS AND SILLS. 4. CONTINUOUSLY ABOVE ALL PROJECTING WOOD TRIM.

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

6. AT WALL AND ROOF INTERSECTIONS. 7. AT BUILT-IN GUTTERS.

WEATHER RESISTIVE SHEATHING PAPER: R703.2 WATER-RESISTIVE BARRIER, ONE LAYER OF NO. 15 ASPHALT FELT, FREE FROM HOLES AND BREAKS, COMPLYING WITH ASTM D 226 FOR TYPE I FELT OR OTHER APPROVED WATER-RESISTIVE BARRIER SHALL BE APPLIED OVER STUDS OR SHEATHING OF ALL EXTERIOR WALLS. SUCH FELT OR MATERIAL SHALL BE APPLIED HORIZONTALLY, WITH THE UPPER LAYER LAPPED OVER THE LOWER LAYER NOT LESS THAN 2 INCHES (51 MM). WHERE JOINTS OCCUR, FELT SHALL BE LAPPED NOT LESS THAN 6 INCHES (152 MM). THE FELT OR OTHER APPROVED MATERIAL SHALL BE CONTINUOUS TO THE TOP OF WALLS AND TERMINATED AT PENETRATIONS AND BUILDING APPENDAGES IN A MANNER TO MEET THE REQUIREMENTS OF THE EXTERIOR WALL ENVELOPE AS DESCRIBED IN SECTION RTØ3.1.1

EXTERIOR DOORS, WINDOWS AND SKYLIGHTS

PER 2018 WIASHINGTON STATE ENERGY CODE

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. ALL SKYLIGHTS AND SKY WALLS TO BE LAMINATED GLASS UNLESS NOTED OTHERWISE SECTION R310-EMERGENCY ESCAPE AND RESCUE OPENINGS

R310.1 EMERGENCY ESCAPE AND RESCUE OPENING REQUIRED.

BASEMENTS, HABITABLE ATTICS AND EVERY SLEEPING ROOM SHALL HAVE NOT LESS THAN ONE OPERABLE EMERGENCY ESCAPE AND RESCUE OPENING, WHERE BASEMENTS CONTAIN MORE THAN ONE SLEEPING ROOMS, AN EMERGENCY ESCAPE AND RESCUE OPENING SHALL BE REQUIRED IN EACH SLEEPING ROOM. EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL OPEN DIRECTLY TO A PUBLIC WAY, OR TO A YARD OR COURT THAT OPENS TO A

EXCEPTION: STORM SHELTERS OR BASEMENTS USED ONLY TO HOUSE MECHANICAL EQUIPMENT NOT EXCEEDING A TOTAL FLOOR AREA OF 200 SQ FT.

MINIMUM OPENING AREA: ALL THE EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MIN. NET CLEAR OPENING OF 5.7 SQ. FT. EXCEPTION: GRADE FLOOR OPENINGS SHALL HAVE A MIN. 5.0 SQ. FT.

MINIMUM OPENING HEIGHT: THE MIN. NET CLEAR OPENINGS HEIGHT SHALL BE 24 INCHES. MINIMUM OPENING WIDTH: THE MIN NET CLEAR OPENING WIDTH SHALL BE 20 INCHES.1/2 MAXIMUM SILL HEIGHT: WHERE A WINDOW IS PROVIDED AS THE EMERGENCY ESCAPE AND RESCUE OPENING, IT SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44" ABOVE THE FLOOR, WHERE THE SILL HEIGHT IS BELOW GRADE, IT SHALL BE PROVIDED WITH HA WINDOW WELL IN ACCORDANCE WITH SEC. R310.2.3.

SAFETY GLAZING SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS OR AS OTHERWISE REQUIRED PER IRC SECTION R308.4

1. GLAZING IN DOORS - SIDE HINGED DOORS, SLIDING GLASS DOORS AND PANELS IN SLIDING, & BIFOLD DOOR ASSEMBLIES PER IRC SECTION R308.4.1. 2. GLAZING ADJACENT TO DOORS - PANELS WITHIN THE 24" OF EITHER SIDE OF THE DOOR IN CLOSED POSITION PER IRC SECTION R308.4.2

3. GLAZING IN WINDOWS - THE PANE IS LARGER THAN 9 SQ. FT., THE BOTTOM EDGE IS LESS THAN 18" ABOVE THE FLOOR, THE TOP EDGE 15 MORE THAN 36" ABOVE THE FLOOR, AND ONE OR MORE WALKING SURFACES, ARE WITHIN 36", MEASURED HORIZONTALLY AND IN A STRAIGHT LINE OF THE GLAZING PER IRC SECTION R308.4.4.

4. GLAZING IN GUARDS AND RAILS PER IRC SECTION R308.4.4. 5. GLAZING IN WET SURFACES - WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS, AND INDOOR OR OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE IS LESS THAN 60" MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE PER IRC SECTION

6. GLAZING ADJACENT TO STAIRS AND RAMPS - WHERE THE BOTTOM EXPOSED EDGE IS LESS THAN 36" ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAYS, LANDING BETWEEN FLIGHTS OF STAIRS AND RAMPS PER IRC SECTION R308.4.6. 7. GLAZING ADJACENT TO THE BOTTOM STAIR LANDING - WHERE THE GLAZING IS LESS THAN 36" ABOVE THE LANDING AND WITHIN A 60" HORIZONTAL ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING PER IRC SECTION R308.4.7.

FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS (MIN. PLAN SIZE 24" X 36")

INSPECTIONS AND ENFORCEMENT

POSTING OF CERTIFICATE WSEC R401.3

A PERMANENT CERTIFICATE SHALL BE COMPLETED BY THE BUILDER OR REGISTERED DESIGN PROFESSIONAL AND POSTED ON A WALL IN THE SPACE WHERE THE FURNACE IS LOCATED, A UTILITY ROOM, OR AN APPROVED LOCATION INSIDE THE BUILDING. WHEN LOCATED ON AN ELECTRICAL PANEL, THE CERTIFICATE SHALL NOT COVER OBSTRUCT THE VISIBILITY OF THE CIRCUIT DIRECTORY LABEL, SERVICE DISCONNECT LABEL, OR OTHER REQUIRED LABELS. THE CERTIFICATES SHALL LIST THE PREDOMINANT R-VALUES OF THE 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 DONE ON THE BUILDING, WHERE THERE IS MORE THAN ONE VALUE FOR EACH COMPONENT, THE CERTIFICATES SHALL LIST THE VALUE COVERING THE LARGEST AREA. THE CERTIFICATES SHALL LIST "GAS-FIRED UNVENTED ROOM HEATER," "ELECTRIC FURNACE" OR "BASEBOARD ELECTRIC HEATER," AS APPROPRIATE AN EFFICIANCY SHALL NOT BE LISTED FOR GAS-FIRED UNVENTED ROOM HEATERS, ELECTRIC FURNACES OR ELECTRIC BASEBOARD

HEATERS. DUCT LEAKAGE TESTING:

DUCTS SHALL BE LEAK TESTED IN ACCORDANCE WITH WSU RS-33, USING THE MAXIMUM DUCT LEAKAGE RATES SPECIFIED IN 2018 WSEC SEC. R403.3.3. A WRITTEN REPORT OF THE RESULTS SHALL BE SIGNED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE CODE

BUILDING AIR LEAKAGE TESTING 2018 WSEC SEC. R402.4

THE BUILDING THERMAL ENVELOPE SHALL BE CONSTRUCTED TO LIMIT AIR LEAKAGE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS R402.4.1 THROUGH R402.4.4.

A. CONTRACTOR SHALL PROVIDE ATTIC VENTILATION AS PER CODE. B. PROVIDE FLASHING AT ALL VALLEYS, PITCH CHANGES, AND AT VERTICAL PLANES. C. PROVIDE FLASHING AND COUNTER FLASHING AT CHIMNEYS A MIN. OF 8" ABOVE ROOF SHEATHING AND CRICKETS AS SHOWN.

D. RAFTERS WILL BEAR DIRECTLY ON TRUSSES OR BLOCKING BETWEEN THE TRUSSES E. HEADERS TO BE A MIN. 4x8 DF#2, U.N.O.

F. PROVIDE DOUBLE FELT UNDERLAYMENT FOR COMPOSITION ROOFING (TYP.) FOR SLOPES UNDER 4:12. G. UNDERLAYMENT SHALL BE APPLIED IN SHINGLE FASHION, PARALLEL TO AND STARTING FROM THE EAVE AND LAPPED 2", FASTENED SUFFICIENTLY TO HOLD IN PLACE. END LAPS

VENTILATION CALCULATIONS AND REQUIREMENTS

R806.2: THE TOTAL NET FREE VENTILATING AREA SHALL NOT BE LESS THAN \$\frac{1}{50}\$ OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT REDUCTION OF THE TOTAL AREA TO 300 IS PERMITTED PROVIDED THAT AT LEAST 50% AND NOT MORE THAN 80% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3 FEET ABOVE THE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS.

VENTILATION GENERAL NOTES:

A. ROOFS TALLER THAN 3' WILL USE BIRD BLOCKING AND AF50 VENTS. B. ROOFS SHORTER THAN 3' WILL USE BIRD BLOCKING AS REQUIRED.

RAKES ON GABLE ENDS MUST EXTEND A MIN. OF 2 INCHES (2") FROM THE SURFACE OF EXTERIOR SIDING MATERIALS.

ENCLOSED ATTIC SPACES AND ENCLOSED RAFTER SPACES OVER ENCLOSED AREAS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN. THE NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE SPACE VENTILATED, EXCEPT THAT THE AREA MAY BE 1/300 PROVIDED AT LEAST 40 PERCENT AND NOT MORE THAN 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC OR RAFTER SPACE. UPPER VENTILATORS SHALL BE LOCATED NO MORE THAN 3 FEET (914 MM) BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VERTICALLY, WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS. WHERE THE LOCATION OF WALL OR ROOF FRAMING MEMBERS CONFLICTS WITH THE INSTALLATION OF UPPER VENTILATORS, INSTALLATION MORE THAN 3 FEET (914 MM) BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE SHALL BE PERMITTED

BAFFLES ARE INSTALLED BEHIND EAVE VENTS TO PROVIDE A MINIMUM I" AIRSPACE, IN INSULATED AREAS PROVIDE ATTIC VENTILATION FOR ALL ATTIC AREAS EXCEEDING 24 INCHES IN HEIGHT FROM TOP OF INSULATION TO ROOF SHEATHING.

PATIO COVERS CONSTRUCTED OF TRUSSES WILL BE VENTED SIMILAR TO THE ATTIC OVER THE ENCLOSED AREAS. PATIO COVERS AND DECKS CONSTRUCTED OF RAFTERS WILL BE VENTED AT THE EXTERIOR

END WITH VENTED EAVE BLOCKING. FOR PARAPET CONDITIONS, VENTED EAVE BLOCKING IS NOT POSSIBLE AND THEREFORE A SINGLE LINE OF STRIP SOFFIT VENTING WILL BE USED NEAR THE EXTERIOR END OF THE PATIO COVER OR DECK.

MAIN ROOF CALCULATIONS 984 SQ. FT ATTIC AREA / 300 = 328 SQ. FT. OF VENTILATION REQUIRED (472.32 SQ. INCHES)

PROVIDE (5) AF50 ROOF VENTS = 250 SQ. IN.

UPPER ROOF VENTING PROVIDED BY AF50 ROOF VENTS (50 SQ. IN. PER VENT) 472.32 SQ. IN x 50% = 236.16 SQ. IN. REQUIRED.

LOWER ROOF VENTING PROVIDED BY BIRDBLOCKING: (4) 2" DIA. HOLES (3.14" E.A.) = (12.5 SQ. INCHES.) AND WITH AF50 ROOF VENTS (50 SQ. IN. PER VENT) 472.32 SQ. IN. x 50% = 236.16 SQ. IN. REQUIRED. PROVIDE (19) BIRDBLOCKS = 237.5 SQ. IN. @ FRONT &

LOW ROOF/ GARAGE ROOF <u>CALCULATIONS</u> 632 SQ. FT ATTIC AREA / 300 = 2.10 SQ. FT.

OF VENTILATION REQUIRED (303.36 SQ. INCHES)

REAR OF HOUSE AND NOT WITHIN 2' OF THE SIDES.

UPPER ROOF VENTING PROVIDED BY AF50 ROOF VENTS (50 SQ. IN. PER VENT) 303.36 SQ. IN x 50% = 151.68 SQ. IN. RQUIRED. PROVIDE (4) AF50 ROOF VENTS = 200 SQ. IN.

LOWER ROOF VENTING PROVIDED BY BIRDBLOCKING: (4) 2' DIA. HOLES (3.14' EA.) = (12.5 SQ. INCHES.) AND WITH AF50 ROOF VENTS (50 SQ. IN. PER VENT) 303.36 SQ. IN. x 50% = 151.68 SQ. IN. REQUIRED. PROVIDE (13) BIRDBLOCKS = 1625 SQ. IN. @ FRONT &

HOUSE AND NOT WITHIN 2' OF THE SIDES OR 5' SETBACKS.

SEE E-1 FOR WSEC CALCULATIONS

HEATING OPTION 2 - 1.0 CREDITS

HEAT PUMP EFFICIENT BUILDING ENVELOPE 13 - 05 CREDITS

PRESCRIPTIVE COMPLIANCE IS BASED ON TABLE R402.1.1 WITH THE FOLLOWING MODIFICATIONS: VERTICAL FENESTRATION U = 0.28 FLOOR R-38

AIR LEAKAGE CONTROL AND EFFICIENT VENTILATION 2.1 - Ø5 CREDITS

HIGH EFFICIENCY HYAC DISTRIBUTION SYSTEM 42 - 10 CREDITS

COMPLIANCE BASED ON R402.4.1.2: REDUCE THE TESTED AIR LEAKAGE TO 3.0 AIR CHANGES PER HOUR, MAXIMUM AT 50 PASCALS OR

FOR R-2 OCCUPANCIES, OPTIONAL COMPLIANCE BASED ON SECTION R402.4.1.2: REDUCE THE TESTED AIR LEAKAGE TO 0.3 CFM/SF MAXIMUM AT 50 PASCALS AND ALL WHOLE HOUSE VENTILATION REQUIREMENTS AS DETERMINED BY SECTION MI501.3 OF THE INTERNATIONAL RESIDENTIAL CODE OR SECTION 403.8 OF THE INTERNATIONAL MECHANICAL CODE SHALL BE MET WITH A HIGH EFFICIENCY FAN(S) (MAXIMUM Ø.35 WATTS/CFM), NOT INTERLOCKED WITH THE FURNACE FAN (IF PRESENT). VENTILATION SYSTEMS USING A FURNACE INCLUDING AN ECM MOTOR ARE ALLOWED, PROVIDED THAT THEY ARE CONTROLLED TO OPERATE AT LOW SPEED IN VENTILATION ONLY MODE.

TO QUALIFY TO CLAIM THIS CREDIT, THE BUILDING PERMIT DRAWINGS SHALL SPECIFY THE OPTION BEING SELECTED AND THE MAXIMUM TESTED BUILDING AIR LEAKAGE, AND SHALL SHOW THE QUALIFYING VENTILATION SYSTEM AND ITS CONTROL SEQUENCE OF OPERATION,

HIGH EFFICIENCY HYAC 3.2 - 1.0 CREDITS

AIR-SOURCE CENTRALLY DUCTED HEAT PUMP WITH MINIMUM HSPF OF 9.5. 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.

HYAC EQUIPMENT AND ASSOCIATED DUCT SYSTEM(S) INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS

OF SECTION R403.3.7. LOCATING SYSTEM COMPONENTS IN CONDITIONED CRAWL SPACES IS NOT PERMITTED UNDER THIS OPTION. ELECTRIC RESISTANCE HEAT AND DUCTLESS HEAT PUMPS ARE NOT PERMITTED UNDER THIS OPTION. DIRECT COMBUSTION HEATING EQUIPMENT WITH AFUE LESS THAN 80% IS NOT PERMITTED UNDER THIS OPTION. TO QUALIFY TO CLAIM THIS CREDIT, THE BUILDING PERMIT DRAWINGS SHALL SPECIFY THE OPTION BEING SELECTED AND SHALL SPECIFY THE HEATING EQUIPMENT TYPE AND SHALL SHOW THE LOCATION OF THE HEATING AND COOLING EQUIPMENT AND ALL THE DUCTWORK.

EFFICIENT WATER HEATING 5.5 - 2.0 CREDITS

WATER HEATING SYSTEM SHALL INCLUDE ONE OF THE FOLLOWING: ELECTRIC HEAT PUMP WATER HEATER MEETING THE STANDARDS FOR TIER III OF NEEA'S ADVANCED WATER HEATING SPECIFICATION OR FOR R-2 OCCUPANCY, ELECTRIC HEAT PUMP WATER HEATER(S), MEETING THE STANDARDS FOR TIER III OF NEEA'S ADVANCED WATER HEATING SPECIFICATION, SHALL SUPPLY DOMESTIC HOT WATER TO ALL UNITS. IF ONE WATER HEATER IS SERVING MORE THAN ONE DWELLING UNIT, ALL HOT WATER SUPPLY AND RECIRCULATION PIPING SHALL BE INSULATED WITH R-8 MINIMUM PIPE INSULATION.

WALL LESS THAN 5' TO A PROPERTY LINE MUST BE 1-HOUR. PROJECTIONS GREATER THAN 2' FEET TO LESS THAN 5' FROM PROPERTY LINE MUST HAVE 1-HOUR FIRE-RESTRICTIVE CONSTRUCTION ON THE UNDERSIDE OR FIRE BLOCKED FROM WALL PLATE TO UNDERSIDE OF ROOF SHEATHING WITH NO VENT OPENINGS.

SETBACKS TO PROPERTY LINES SHALL BE MARKED AT FOOTING INSPECTION. THE CONTRACTOR OF RECORD IS RESPONSIBLE FOR ESTABLISHING THE CORRECT PROPERTY MARKERS AND SETBACKS.

JOBSITE MUST BE POSTED WITH ADDRESSES AND PERMIT NUMBER VISIBLE FROM THE STREET. THE APPROVED PLANS MUST BE KEPT ON THE JOBSITE IN SUCH A WAY THAT THEY ARE EASILY LOCATED AND PROTECTED FROM WATER AND OTHER DAMAGE.

APPROVED PLANS SHALL BE ON SITE AND ACCESSIBLE AT INSPECTION.

NO ROOF PENETRATIONS

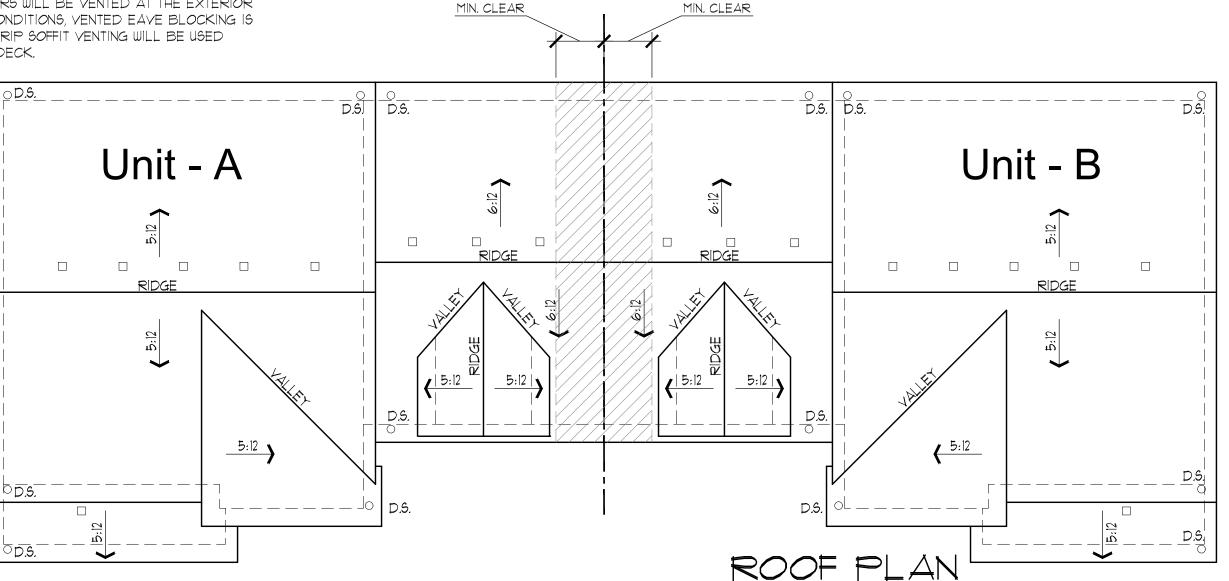
OF SEPARATION WALL. PROVIDE CLASS 'C' ROOF

ALLOWED WITHIN 4'-0' CLEAR

SHEATHING WITHIN THIS AREA.

Parcel number: 0419095003 Site Address:

433 43rd Ave. SW Puyallup, WA. 98373



WALL LESS THAN 5' TO A PROPERTY LINE MUST BE 1-HOUR. PROJECTIONS GREATER THAN 2' FEET TO LESS THAN 5' FROM PROPERTY LINE MUST HAVE I-HOUR FIRE-RESTRICTIVE CONSTRUCTION ON THE UNDERSIDE OR FIRE BLOCKED. FROM WALL PLATE TO UNDERSIDE OF ROOF SHEATHING WITH NO VENT OPENINGS.

City of Puyallup

APPROVED

See permit

for additional

requirements.

JMontgomery

10/23/2023

9:51:06 AM

City of Puyallup Development & Permitting Services **ISSUED PERMIT** Planning **Public Works** Engineering

Traffic

60

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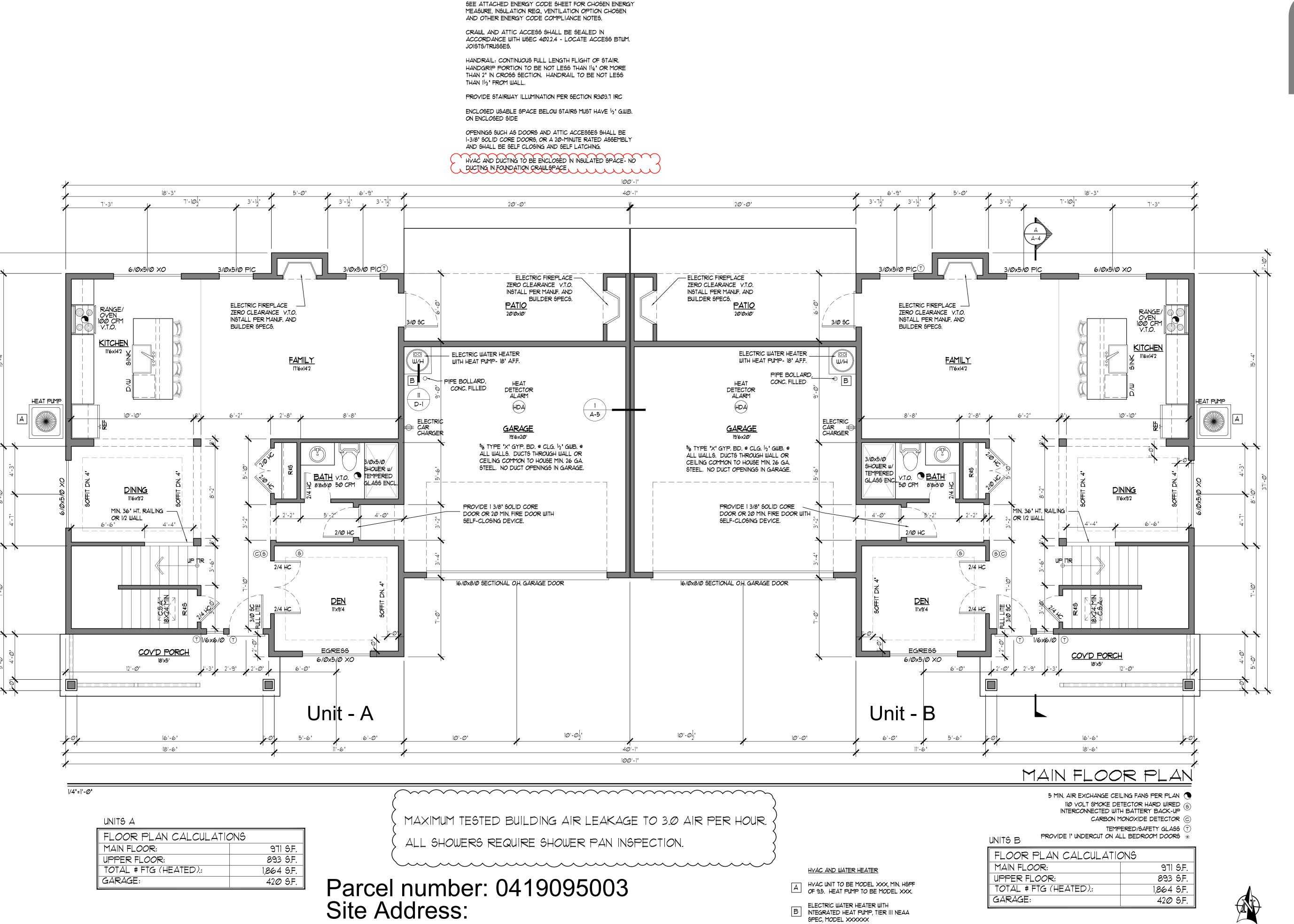
PRRNSF20230919

D.S. = DOWNSPOUT

□ = ROOF VENT

/23 ate: 09/2 sM/BP 53) 297-04/1

ate



ANY WINDOW THAT OPENS MORE THAN 4", THAT IS INSTALLED

LESS THAT 24" OFF THE FLOOR AND THAT HAS GREATER THEN 12" DROP OUTSIDE MUST HAVE FALL PROTECTION PER R312.2.

433 43rd Ave. SW Puyallup, WA. 98373

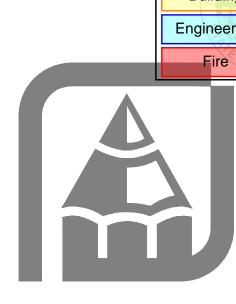
City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building Planning
Engineering Public Works
Fire Traffic

PREPARES ITS PLANS CAREFULLY FOR THE USE OF ITS CUSTOMERS. HOWEVER, ADAPTATION OF THE PLANS TO MEET AND LOCAL BUILDING CODES AND REGULATIONS, AND SPECIFIC CONDITIONS, IS THE RESPONSIBILITY OF THE CONTRACTOR. WILL NOT BE RESPONSIBLE FOR ANY DAMAGES RELATING TO THE ACCURACY AND OVERALL INTEGRITY OF THE PLANS IN EXC. PAID FOR THEIR USE. THE CONTRACTOR, THEREFORE, MUST CAREFULLY INSPECT ALL DIMENSIONS AND DETAILS IN THE PLASSIONS.

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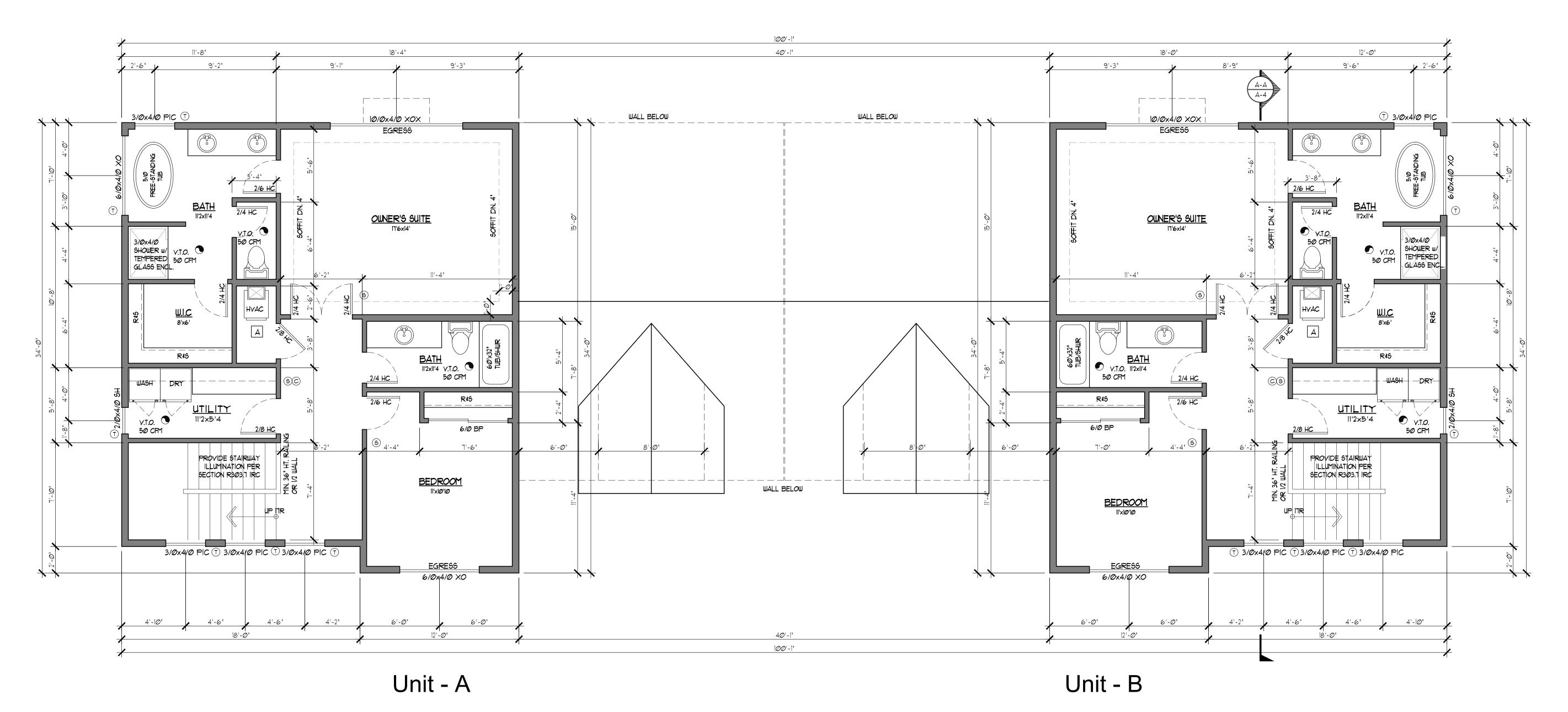
lan: 1864-1864 C HOMES DUPLEX ate: 04/11/23

[A-1









Parcel number: 0419095003

Site Address:

1/4"=1'-0"

433 43rd Ave. SW Puyallup, WA. 98373

PRRNSF20230919

UPPER FLOOR PLAN

5 MIN. AIR EXCHANGE CEILING FANS PER PLAN

IIØ VOLT SMOKE DETECTOR HARD WIRED

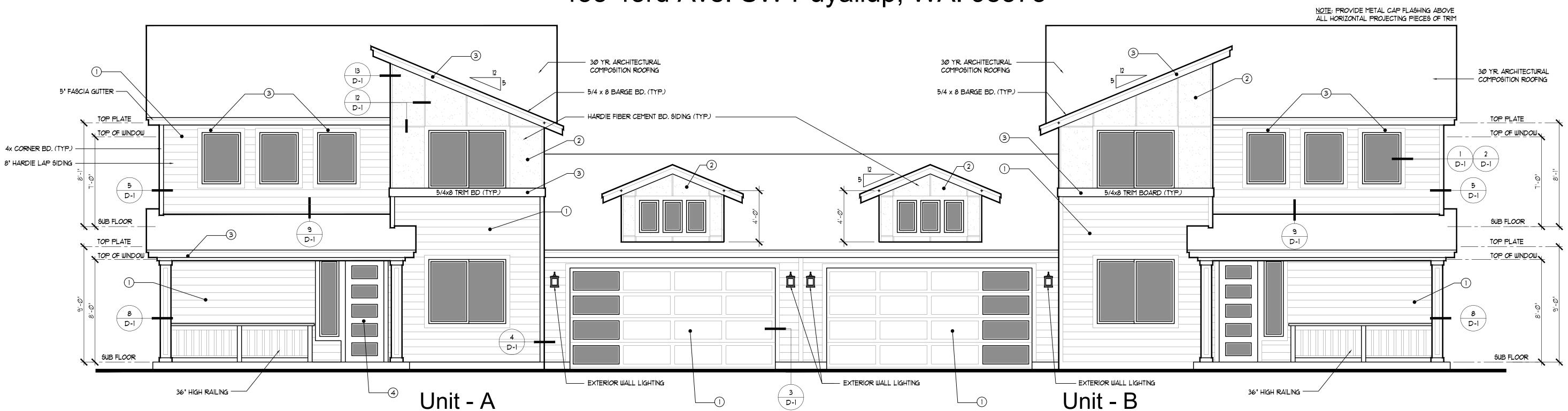
INTERCONNECTED WITH BATTERY BACK-UP

CARBON MONOXIDE DETECTOR ©

Parcel number: 0419095003

Site Address:

433 43rd Ave. SW Puyallup, WA. 98373



FRONT ELEVATION

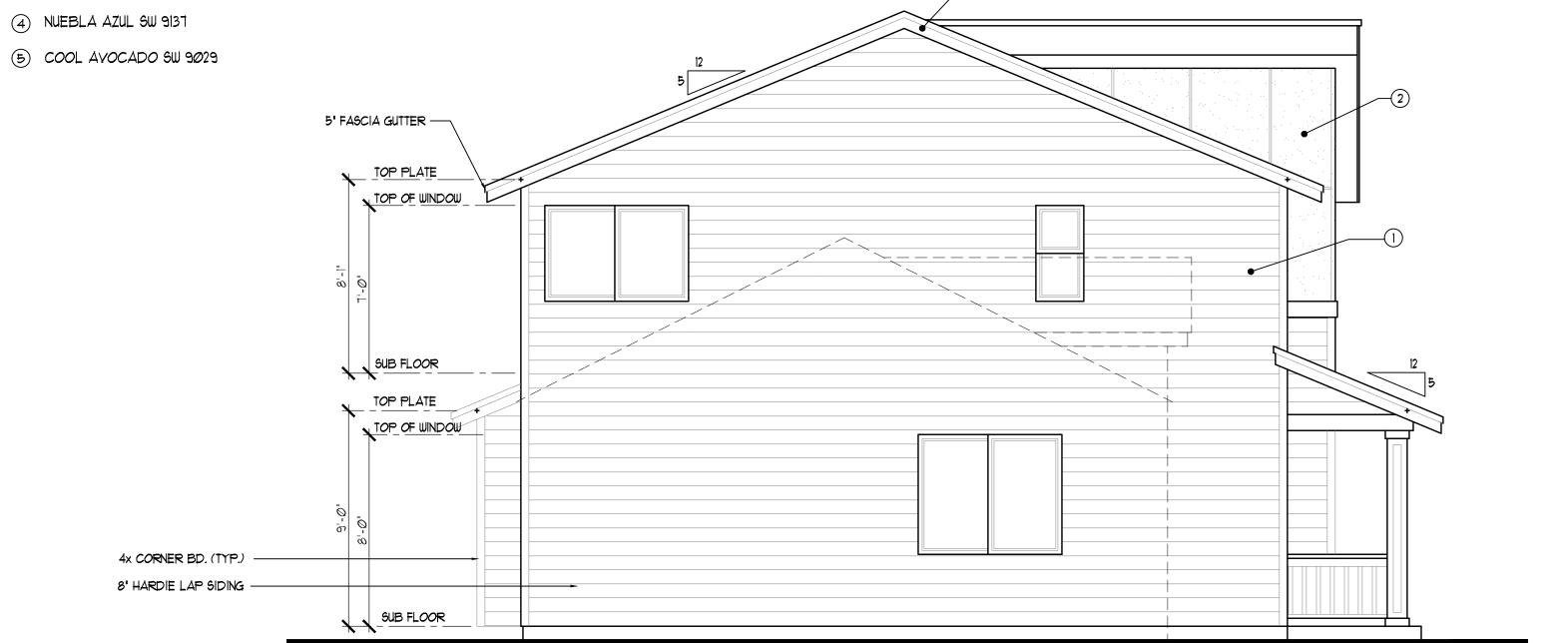
BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS, BUILDING NUMBERS OF APPROVED BUILDING IDENTIFICATION PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. THESE NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE ARABIC NUMBERS OR ALPHABETICAL LETTERS. NUMBERS SHALL BE A MIN. OF 4 INCHES HIGH WITH A MIN. STROKE WIDTH OF 1/2 INCH PER IRC R319.1

GARAGE DOOR AREA: 124 SQ. FT. FRONT WINDOWS AREA PER UNIT: 123.25 SQ. FT.

1/4"=1'-0"

EXTERIOR PAINT COLOR LEGEND:

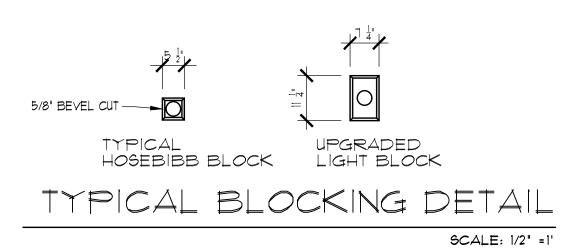
- 1 ACIER SW 9170
- 2 PEPPERCORN SW 1614
- (3) PURE WHITE SW 1005



DRIP EDGES SHALL BE MECHANICALLY FASTENED TO THE ROOF DECK AT A MAXIMUM OF 12 INCHES (305 mm) O.C. WITH FASTENERS AS SPECIFIED IN SECTION R9052.5 UNDERLAYMENT SHALL BE INSTALLED OVER THE DRIP EDGE ALONG EAVES AND UNDER THE UNDERLAYMENT ON GABLES. UNLESS SPECIFIED DIFFERENTLY BY THE SHINGLE MANUFACTURER, SHINGLES ARE PERMITTED TO BE FLUSH WITH THE DRIP EDGE.

R905.285 DRIP EDGE:
A DRIP EDGE SHALL BE PROVIDED AT EAVES AND GABLES OF SHINGLE ROOFS. ADJACENT PIECES OF DRIP EDGE SHALL BE OVERLAPPED A MINIMUM OF 2 INCHES (51 mm).
DRIP EDGES SHALL EXTEND A MINIMUM OF 0.25 INCH (6.4 mm) BELOW THE ROOF SHEATHING.

AND EXTEND UP THE ROOF DECK A MINIMUM OF 2 INCHES (51 mm).



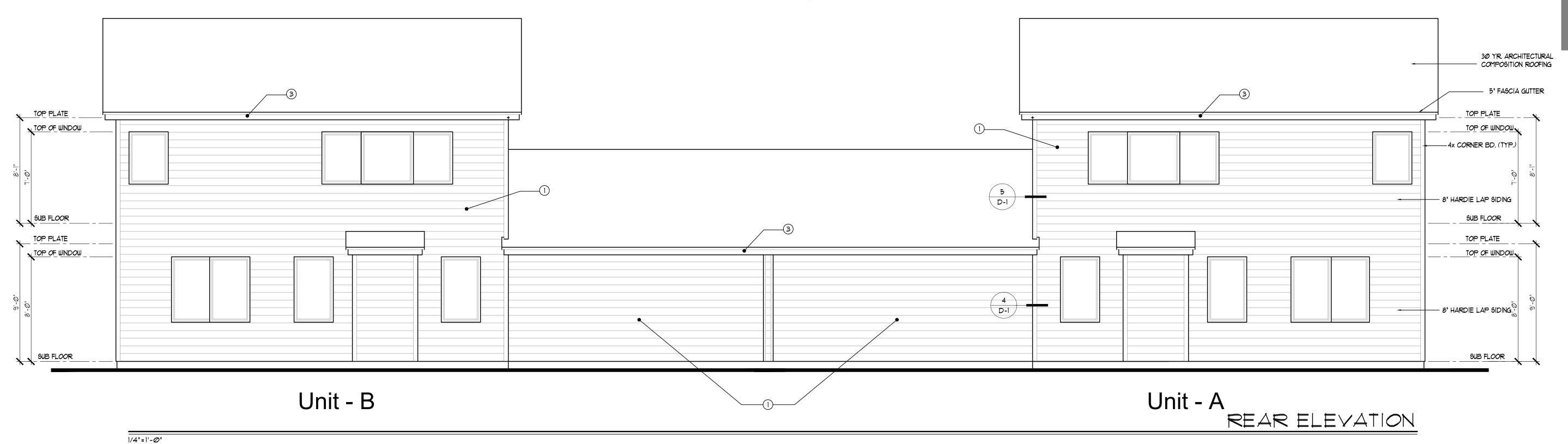
RIGHT ELEVATION

Development & Permitting Services Engineering Public Works

Parcel number: 0419095003

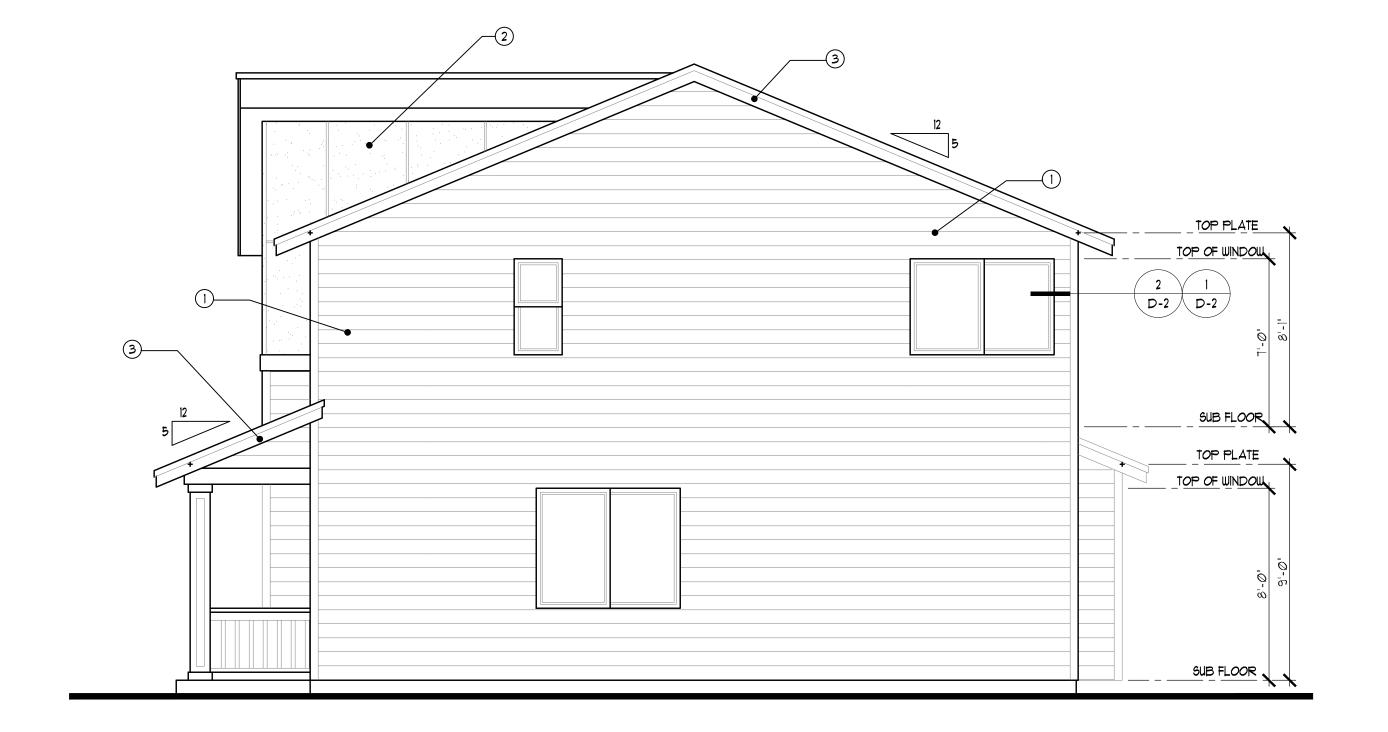
Site Address:

433 43rd Ave. SW Puyallup, WA. 98373



EXTERIOR PAINT COLOR LEGEND:

- 1 ACIER SW 9170
- 2 PEPPERCORN SW 1614
- 3 PURE WHITE SW 1005
- (4) NUEBLA AZUL SW 9137 5 COOL AVOCADO SW 9029



LEFT ELEVATION

ELEVATION NOTES:

1. CONTRACTOR SHALL VERIFY ALL NOTES, MATERIALS AND CONDITIONS PRIOR TO

CONSTRUCTION

CAULK ALL EXTERIOR JOINTS AND PENETRATIONS.

PROVIDE GALVANIZED OR ANODIZED SHEET METAL FLASHING AND COUNTERFLASHING AT ALL ROOF PENETRATIONS, CHIMNEYS, AND SKYLIGHTS.

PROVIDE CONTINUOUS GUTTERS AND DOWNSPOUTS AT ALL EAVES, TYP.

PROVIDE HEADER FLASHING AT ALL DOORS, WINDOWS, AND SHUTTERS PER DETAIL

6. ALL PAPER AND TAPE TO LAP FROM TOP DOWN.

HOLD ALL SIDING MATERIAL 1 $\frac{1}{2}$ " OFF ROOF. 8. HOLD ALL SIDING MATERIAL 6' OFF FINISHED GRADE.

9. SOFFIT ALL FLAT AREAS W/ $1\frac{1}{2}$ OFERHANG AT HORIZONTAL EDGES. 10. METAL FLASHING AT ALL TRIM AND HORIZONTAL SIDING BREAKS.

II. RUN SECOND LAYER OF TAR PAPER VERTICAL AT INTERIOR AND EXTERIOR CORNERS UNLESS TAR PAPER IS CONTINUOUS.

12. FOUNDATION VENTS TO BE SPACED PER PLAN.
13. ALL FOUNDATION VENTS ON STREET SIDE OF HOUSE I.E. FRONT AND/OR SIDE AND GABLE END AND GARAGE FRESH AIR VENTS TO BE LOUVERED.

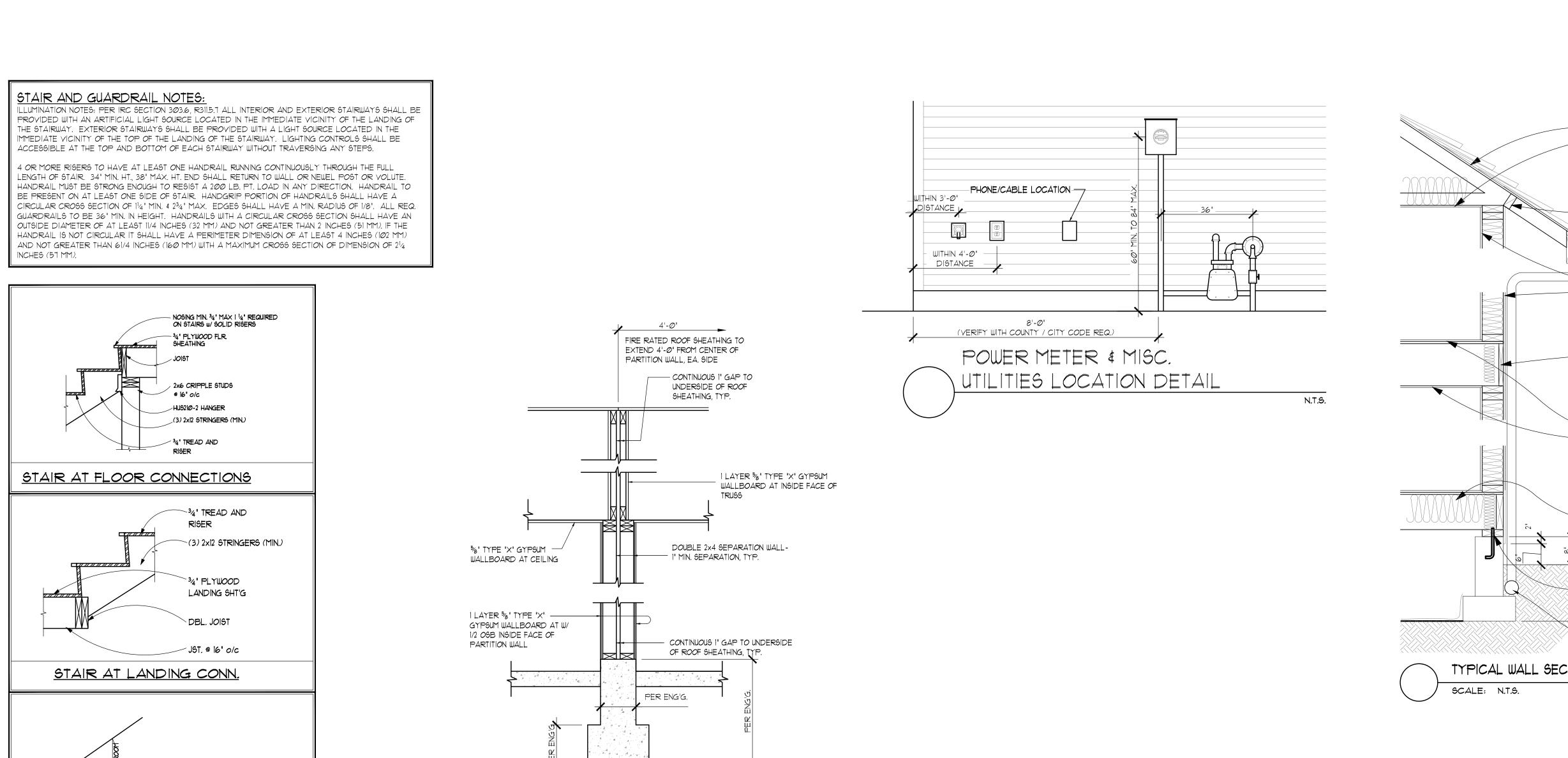
14. ALL LIGHT BLOCKS ON FACADE TO BE FURRED OUT AN ADDITIONAL $1\frac{1}{2}$ ".

15. GUTTERS TO LAP UNDER DRIP EDGE AT GABLE ENDS, HOLD 1/2" DRIP EDGE CUT 1/4" AWAY

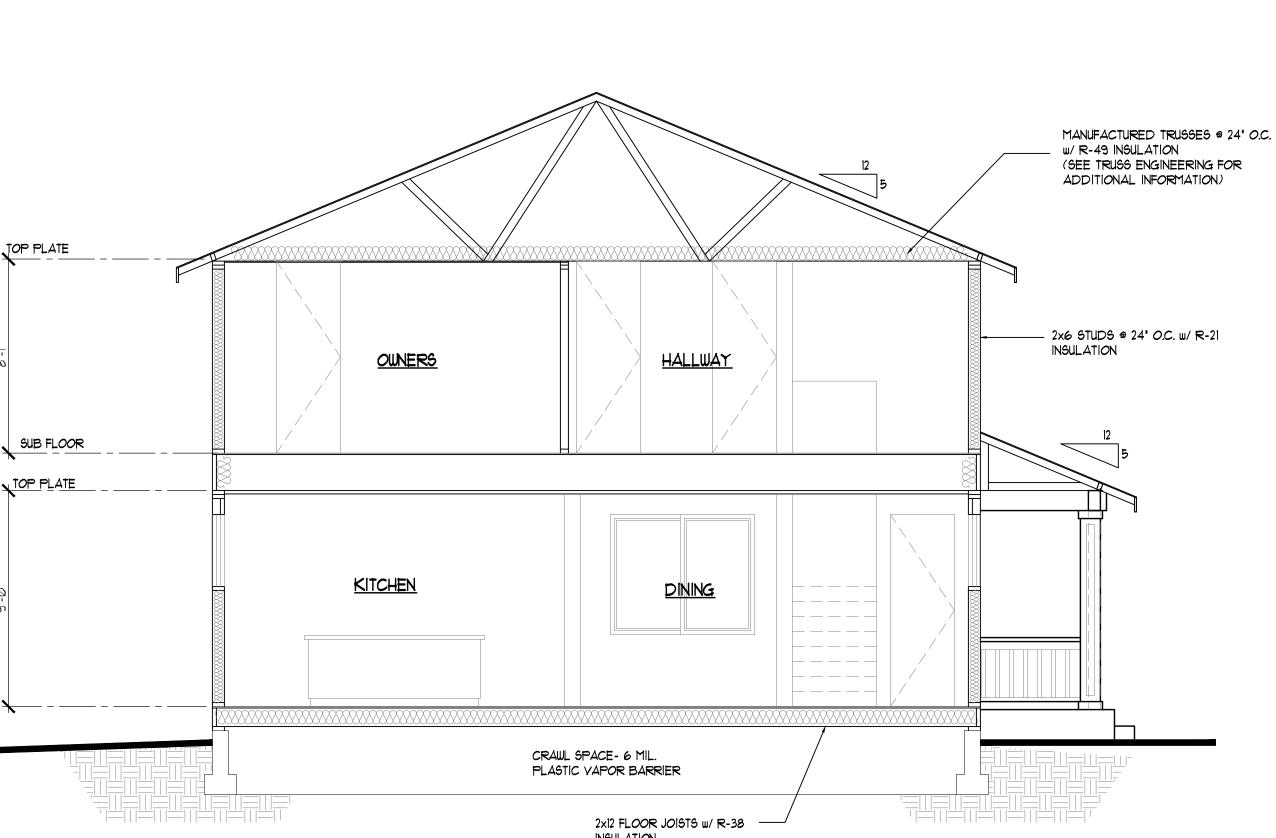
FROM FASCIA TO EXCEPT GUTTERS TO LAP UNDERNEATH. 16. ALL TRIM WORK TO BE APPLIED PRIOR TO SIDING MATERIALS (SIDING TO BUTT UP TO

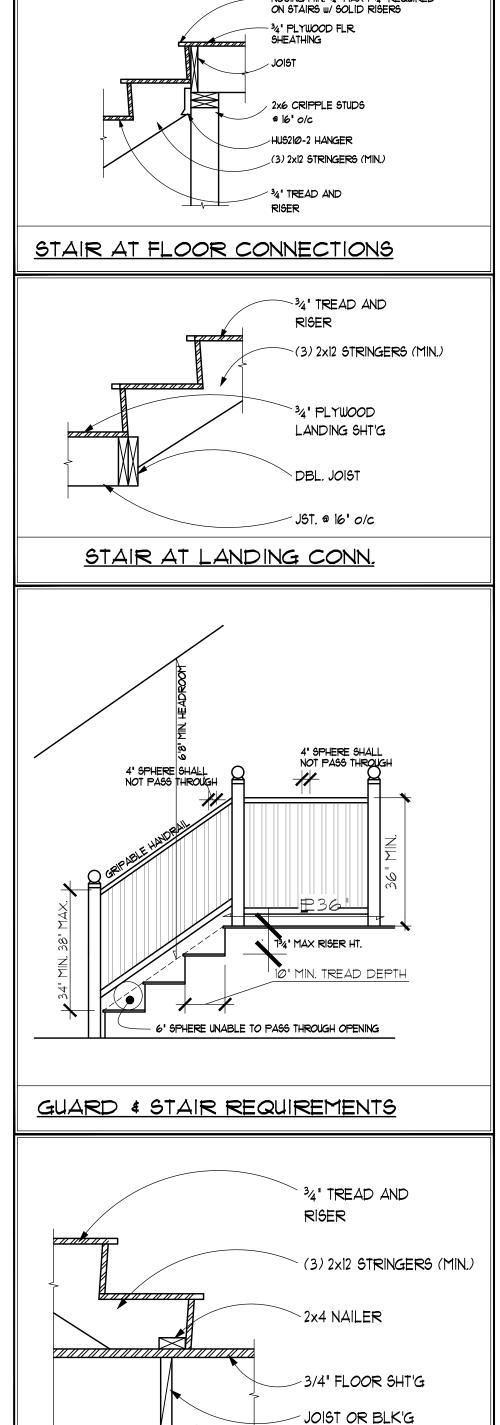
Engineering

864 -x



HORIZONTAL BRACING REQUIRED AT WALL MID- HEIGHT, TYP.





STAIR AT WOOD FLOOR CONN. O/C

Parcel number: 0419095003 Site Address:

PER ENG'G.

THICKNESS: 91/4" APPROX. WEIGHT: 8 PSF

SEE WP 3605

UL R1319-4, -6, 6-17-52 UL R2717-39, 1-20-66

ULC DESIGN W3Ø1) UL R4024, 10-31-68

UL R3501-52, 3-15-66, UL DESIGN U305

SOUND TEST: NRCC TL-93-261, IRC-IR-761, 3/98

GYPSUM WALLBOARD, WOOD STUDS

ONE LAYER %" TYPE "X" GYPSUM WALLBOARD OR

JOINTS STAGGERED 16" ON OPPOSITE SIDES.

HORIZONTAL BRACING REQUIRED AT MID-HEIGHT.

GYPSUM VENEER BASE APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF DOUBLE ROW OF 2x4 WOOD STUDS 16" O.C. ON SEPARATE PLATES 1" APART WITH 6d COATED NAILS, 11/2" LONG, 0.0915" SHANK, 1/4"

433 43rd Ave. SW Puyallup, WA. 98373

SOUND

ISSUED PERMIT Public Works Engineering Traffic

Development & Permitting Services

COMPOSITION ROOF

30# FELT EA. COURSE

MANUFACTURED TRUSSES

1/2" GYPSUM BD. CEILING

-G.I. GUTTER ON 5/4x8 FASCIA

SIDING (SEE ELEVATIONS) 15# BLDG. PAPER (OR TYVEK)

R-21 ELEC. RESIST. AT EXT. WALLS

-APA RATED STRUCTURAL RIM BOARD

2x6 STUDS @ 16" O.C.

1/2" GYPSUM BD.

FLOOR FINISH 3/4" T&G SUB FLOOR FL. TRUSSES (SEE PLAN)

FLOOR FINISH 3/4" T&G SUB FLOOR

1/2" GYPSUM BD CEILING

FL. JOISTS (SEE PLAN)

6 MIL BLACK "VISQUEEN"

NON-SHEAR WALLS UN.O. (SEE SHEAR WALL SCHEDULE

2x6 P.T. MUDSILL WITH |%"¢ A.B. @ 72" O.C. AT

FOR ALL OTHERS) (MIN. OF 2 PER PLATE

MIN. 7" EMBEDMENT

RIGID, NON-PERFORATED DISCHARGED TO AN APPROVED

INFILTRATION SYSTEM

4" ROOF DRAIN

& W/IN 12" OF ANY CORNER)

R-38C INSULATION

AT CRAWLSPACE

-2× SOLID BLK'G

(OR 2x RAFTERS & CLG. JSTS.)

SEE SHEAR WALL SCHEDULE FOR SHEATHING REQ.

R-49 ELEC. RESIST. INSULATION BLOWN-IN R-38C ELEC. RESIST. AT SINGLE RAFTER / VAULT

SEE SHEAR WALL SCHEDULE FOR SHEATHING REQ.

SECTION A

ALL WORK SHALL BE IN ACCORDANCE WITH ALL CODES, RULES AND REGULATIONS OF GOVERNING AGENCIES AND SHALL COMPLY WITH THE REQUIREMENTS OF THE POWER SERVING AND TELEPHONE COMPANIES.

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RECEPTACLES IN KITCHEN AND BATHROOMS SHALL BE INSTALLED ABOVE COUNTER TOP U.N.O. IN THE DRAWINGS.

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RECEPTACLES AND SWITCHES BACK TO BACK IN FIRE SEPARATION WALLS MUST MAINTAIN SEPARATE BAYS.

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PROVIDE TWO METHODS OF GROUNDING CLAMP AT HOSEBIBB

ONE ADDITIONAL #4 BAR, 20-FEET LONG IN FOOTING AT ELECTRICAL METER LOCATION FOR UFFER GROUND.

RECEPTACLE OUTLETS FOR RANGES AND CLOTHES DRYERS SHALL BE A 3-POLE WITH GROUND TYPE. FOURWIRE, GROUNDING-TYPE FLEXIBLE CORDS WILL BE REQUIRED FOR CONNECTION OF RANGES AND CLOTHES DRYERS. THE BONDING JUMPER SHALL NOT BE CONNECTED BETWEEN THE NEUTRAL TERMINAL AND THE FRAME OF THE APPLIANCE.

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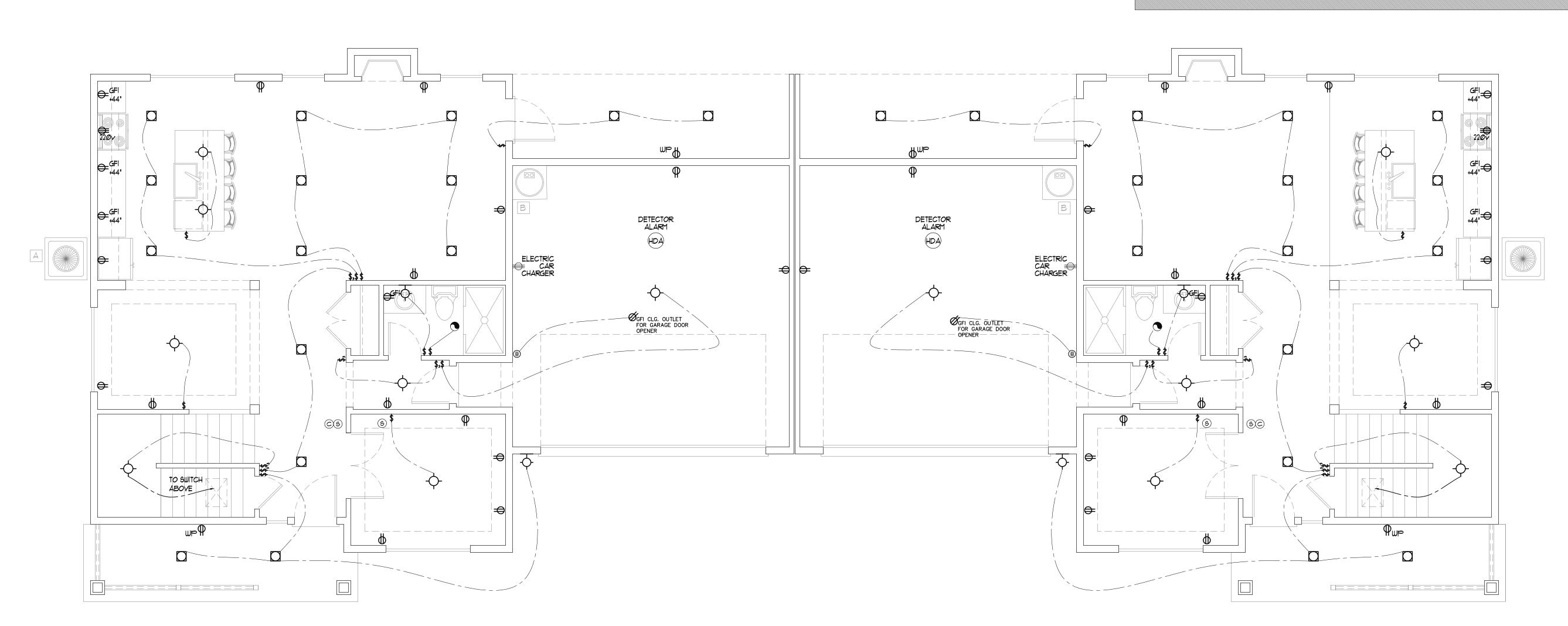
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PANEL AND CIRCUIT BREAKERS SHALL BE INSPECTED. 2--5 NEC 210-12, (a) AND (b), ARC-FAULT CIRCUIT INTERRUPTER PROTECTION.

Separate electrical permit is required with Washington State Department of Labor & Industries. https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections or Licensing information: Call 1-800-647-0982

1/4"=1'-0"

ELECTRICAL LEGEND STANDARD CEILING MOUNT LIGHT OUTLET SINGLE POLE SWITCH 3 POLE SWITCH PORCELAIN SOCKET FIXTURE FLUORESCENT CEILING MOUNT LIGHT OUTLET 4 POLE SWITCH SINGLE POLE OCCUPANCY SENSOR WALL MOUNTED STANDARD LIGHT FIXTURE SINGLE POLE SWITCH W/ MOTION SENSOR ΗĒ WALL MOUNTED FLUORESCENT LIGHT FIXTURE TIMER SWITCH RECESSED CFL CAN LIGHT LOW VOLTAGE SWITCH RECESSED FLUORESCENT CAN LIGHT DUPLEX RECEPTACLE OUTLET RECESSED DIRECTIONAL CAN LIGHT SPLIT WIRE DUPLEX OUTLET KICK LIGHT GROUND FAULT INTERCEPT OUTLET EXHAUST FAN 30 AMP 220 VOLT ELECTRIC CAR OUTLET COMBINATION RECESSED CAN & EXHAUST FAN \rightleftharpoons 220v OUTLET THERMOSTAT A/C DISCONNECT (J) JUNCTION BOX ☐ LOW VOLTAGE ADDRESS LIGHT FLOOR RECEPTACLE PUSH BUTTON BOX FLUORESCENT, REFER TO PLAN FOR SIZE DB CHIMES GFI CLG. OUTLET FOR GARAGE DOOR OPENER GARAGE DOOR OUTLET TELEPHONE TELEVISION ANTENNA (STRUCTURED WIRING INSTALLED AT TELEVISION LOCATION) SMOKE DETECTOR - PERMANENTLY WIRED CEILING FAN OUTLET (BLOCKED) AND INTERCONNECTED COMBO CARBON MONOXIDE / SMOKE DETECTOR V.T.O. = VENT TO OUTSIDE; W.H.F. = WHOLE HOUSE FAN; VP = VAPOR PROOF; WP = WATER PROOF; CH = CHANDELIER; P = PENDANT



MAIN FLOOR ELECTRICAL PLAN

5 MIN. AIR EXCHANGE CEILING FANS PER PLAN (1) 10 VOLT SMOKE DETECTOR HARD WIRED (6) INTERCONNECTED WITH BATTERY BACK-UP

ALEACE, ADAPTATION OF THE PLANS TO MEET

NEXT AND OVERALL INTEGRITY OF THE CONTRACTOR. IN ADDITION,
INSPECT ALL DIMENSIONS AND DETAILS IN THE PLANS FOR
SES RIGHTS UNDER THE COPYRIGHT ACT. INFRINGES FACE
\$100,000 PER WORK INFRINGED WILLFULLY.

RAWINGS AND GENERALLY THE LAST SHEET OF THE SET.

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Engineering

Planning

Public Works

Traffic

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UNAUTHORIZED USE OR COPYING OF THESE PLANS, OR THE DESIGN THEY DEPICT, INFRINGES LABILITIES THAT INCLUDE PENALTIES OF UP TO \$20,000 PER WORK INFRINGES, AND UP TO \$10.

A GENERAL NOTE AND SPECIFICATIONS SHEET IS ALWAYS AN INTEGRAL PART OF THESE DRAW

ite: 04/11/23 vision Date: 09/20/23

[A-6

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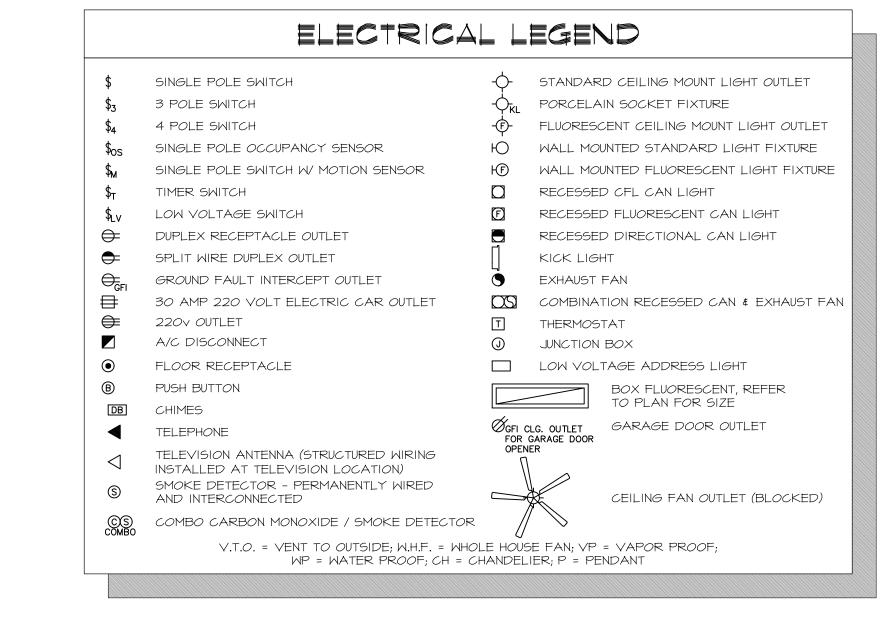
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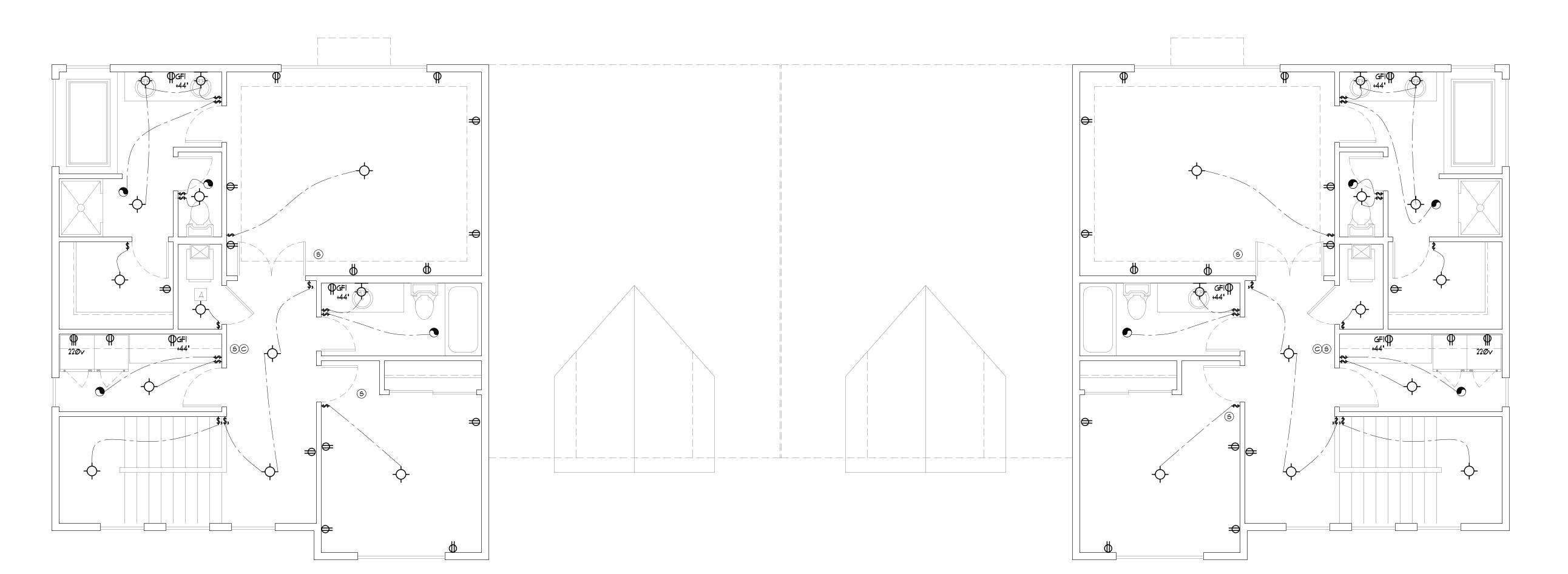
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UPPER FLOOR ELECTRICAL PLAN

5 MIN. AIR EXCHANGE CEILING FANS PER PLAN (1)
110 VOLT SMOKE DETECTOR HARD WIRED (6)
INTERCONNECTED WITH BATTERY BACK-UP

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building Planning
Engineering Public Works
Fire Traffic

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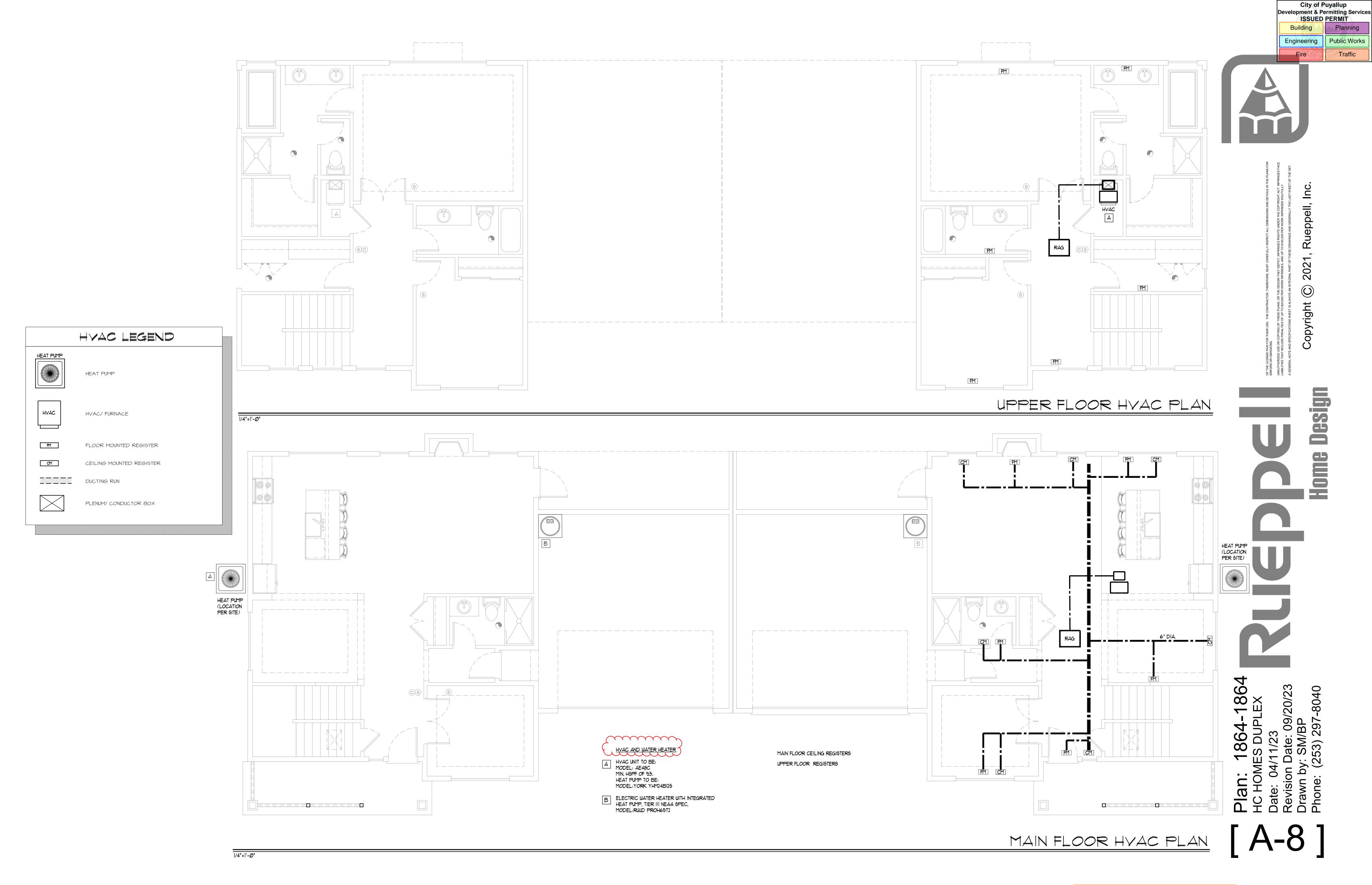
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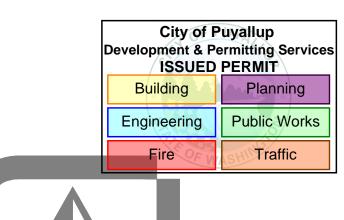
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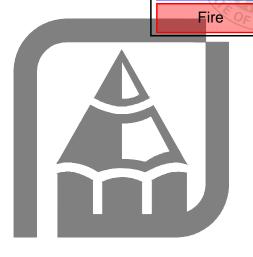
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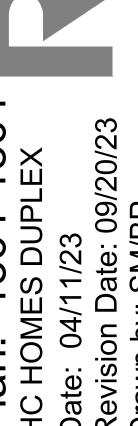
ie: 04/11/23 vision Date: 09/20/23

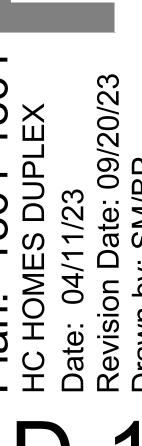
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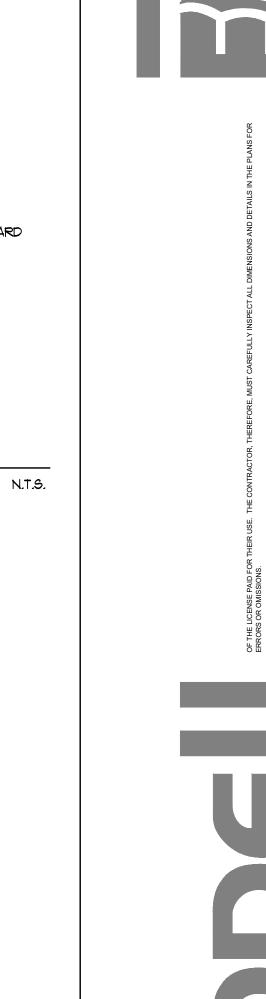




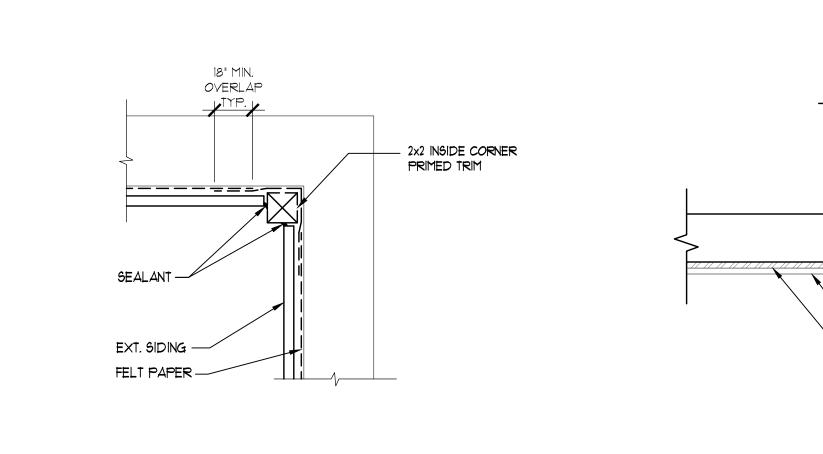


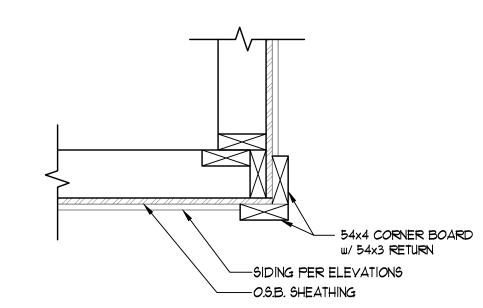




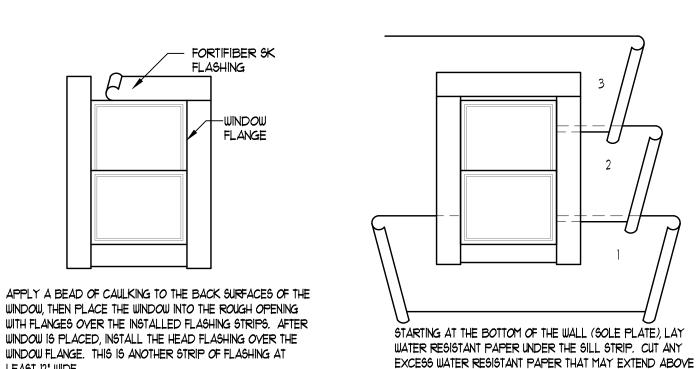


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CORNER TRIM DETAIL



WINDOW

||RÒUGH OPENING||

AFTER SILL STRIP IS IN PLACE, ATTACH JAMB STRIPS INSIDE OF

OPENING AT LEAST 12" WIDE WITH INSIDE EDGE OF FLASHING EVEN

THE SILL STRIP AND EXTEND JAMB STRIPS 6' ABOVE THE LOWER

THE SILL FLANGE ON EACH SIDE OF THE OPENING, (SHOWN IN

COURSESOF WATER RESISTANT PAPER OVER JAMB AND HEAD

DIAGRAM AS SHORT DASHED LINES), INSTALL SUCCEEDING

FLANGES IN SHINGLE-BOARD FASHION.

WITH EDGE OF WINDOW OPENING. START JAMB STRIPS 1' BELOW

EDGE OF THE HEADER TOP OF WINDOW OPENINGS.

OSB SHEATHING —

HEADER

, WINDOW ,

|RÒUGH OPENING|

ATTACH A SILL STRIP OF FLASHING MATERIAL AT LEAST 12' WIDE WITH THE TOP EDGE EVEN WITH THE TOP EDGE OF THE ROUGH

SILL. EXTEND THIS SILL STRIP AT LEAST 12' BEYOND THE EDGE

FLASHING

-WINDOW

FLANGE

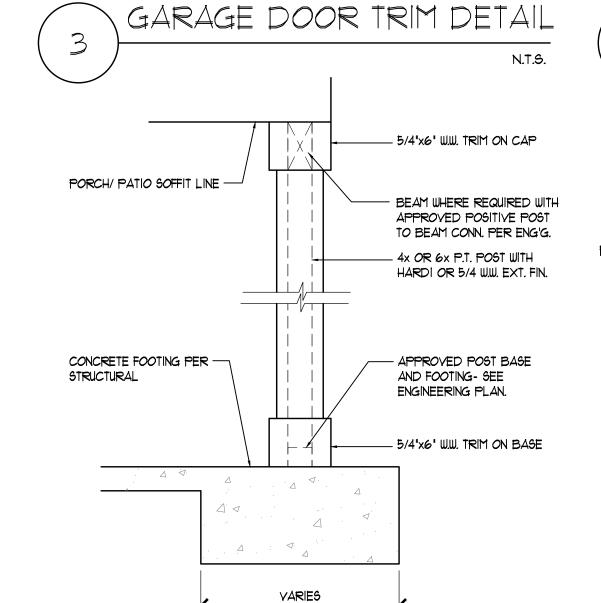
OF THE ROUGH OPENING FOR WINDOW. ATTACH FLASHING WITH

GALVANIZEDROOFING NAILS OR RUST-RESISTANT STAPLES.

WINDOW FLASHING DETAIL

LEAST 12" WIDE.

OSB SHEATHING -



-GARAGE DOOR

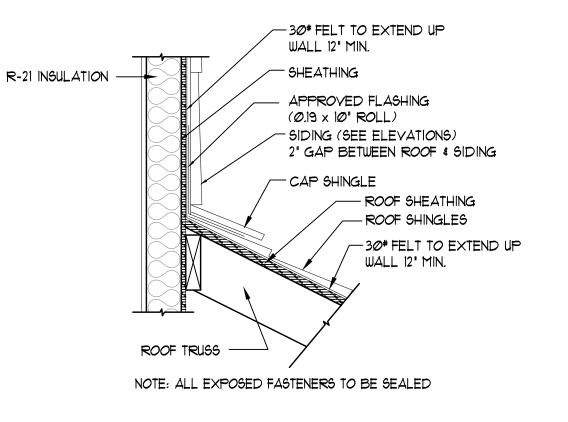
- STOP BLOCK

2x6 TRIM

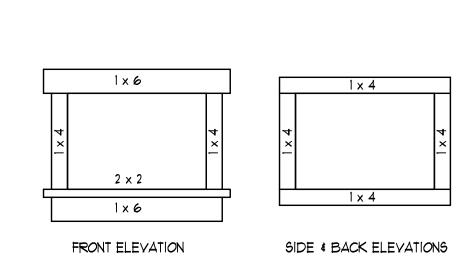
- HORIZONTAL LAP SIDING

— 1x6 MD0 TRIM

- O.S.B SHEATHING



INSIDE CORNER TRIM DETAIL



WINDOW TRIM DETAIL

NOTE: ALL FRONT EXTERIOR TRIM FIN. ARE TO BE MDO (MEDIUM DENSITY OVERLAY).

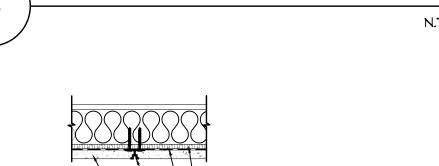






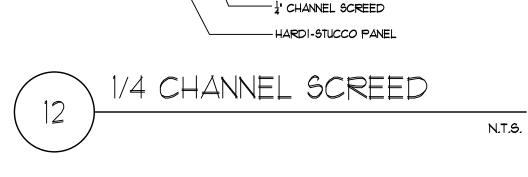
N.T.S.

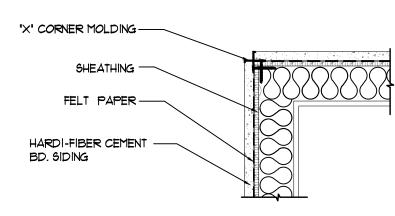




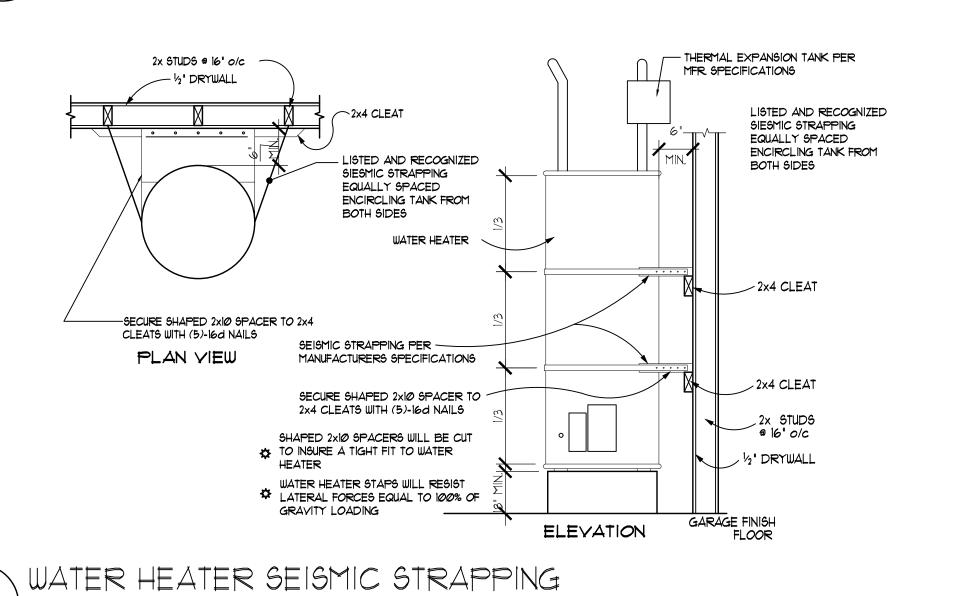
— SHEATHING

FELT PAPER





12	"X" CORNER MOLDING	DETAIL
		N.T.S.



N.T.S.

N.T.S.

N.T.S.

MECHANICAL

Traffic

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 AND ELECTRIC HEATING FURNACES. LIQUIFIED 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 WHICH GENERATES A GLOW, SPARK OR FLAME CAPABLE OF IGNITING FLAMMABLE VAPORS SHALL BE INSTALLED WITH THE PILOTS AND BURNERS FOR HEATING ELEMENTS AND SWITCHES AT LEAST 18" ABOVE THE FLOOR LEVEL.

TEMPERATUERE CONTROL THE PRIMARY SPACE CONDITIONING SYSTEM WITHIN EACH DWELLING UNIT SHALL BE PROVIDED WITH AT LEAST ONE PROGRAMMABLE THERMOSTAT FOR THE REGULATION OF TEMPERATURE WSEC SEC.403.1.1

<u>VENTILATION</u> 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. MFR'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.

UTILITY ROOM NOTES/MAKE UP AIR:

AREA TO BE VENTED

BATHROOM / LAUNDRY / SIMILAR

KITCHENS

1. WHERE THE EXHAUST DUCT IS CONCEALED WITHIN THE BUILDING CONSTRUCTION. THE EQUIVALENT LENGTH OF THE EXHAUST DUCT SHALL BE IDENTIFIED ON A PERMANENT LABEL OR TAG. THE LABEL OR TAG SHALL BE LOCATED WITHIN 6 FEET OF THE EXHAUST DUCT CONNECTION.

2. INSTALLATIONS EXHAUSTING MORE THAN 200 CFM CHALL BE PROVIDED WITH MAKE UP AIR WHERE A CLOSET IS DESIGNED FOR THE INSTALLATION OF A CLOTHES DRYER, AN OPENING HAVING AN AREA OF NOT LESS THAN 100 SQ. INCHES FOR MAKE UP AIR SHALL BE PROVIDED IN THE CLOSET ENCLOSURE, OR MAKE UP AIR SHALL BE PROVEDED BY OTHER APPR. MEANS.

• 100 SQ INCH TRANSFER GRILL PER IRC G2439.4 (614.6)

CONTINUOUS WHOLE-HOUSE

	NUMBER OF BEDROOMS							
FLOOR AREA	1	2		3	4		> 5	
(9Q. FT.)	AIRFLOW IN CFM							
< 500	3Ø	3Ø	35		45		5Ø	
500 - 1000	3Ø	35	40		50		55	
1001 - 1500	3Ø	40		45	55		60	
15Ø1 - 2ØØØ	35	45	1	50	60		65	
2001 - 2500	40	50		55	65		70	
25Ø1 - 3ØØØ	45	55		50	7Ø		75	
3001 - 3500	5Ø	60		65	75		80	
3501 - 4000	55	65		10	80		85	
4001 - 4500	60	7Ø		75	85		30	
4501 - 5000	65	75	80		90		95	
NTERMITTENT WHOLE-HOUS	BE MECHANICAL VE	NTILATION RATI	E FACTORS	,				
RUN-TIME % IN EACH 4-HOUR SEGMENT		25%	33%	50%	66%	75%	100%	
FACTOR		4	3	2	1,5	1,3	1.0	

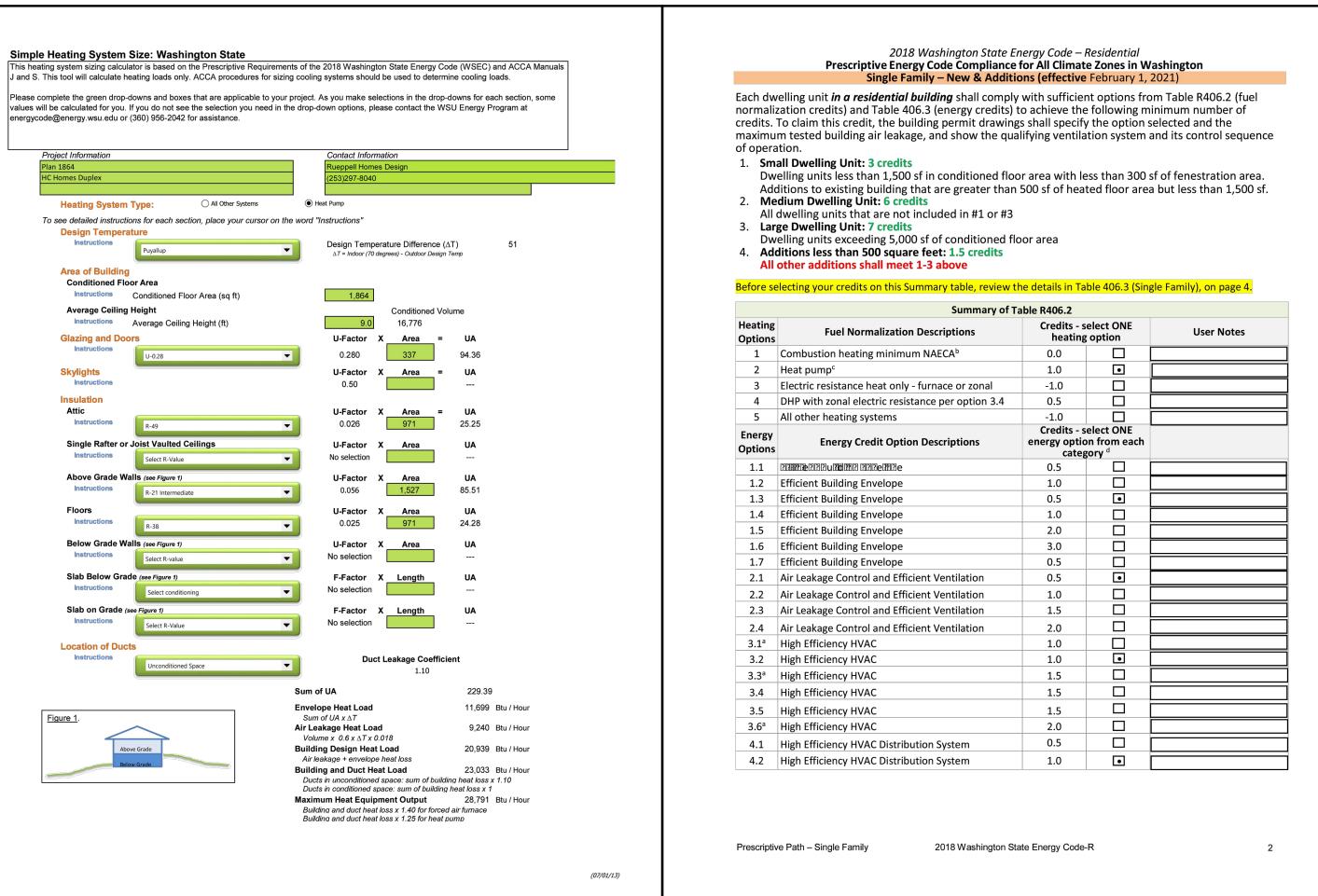
EXHAUST RATES

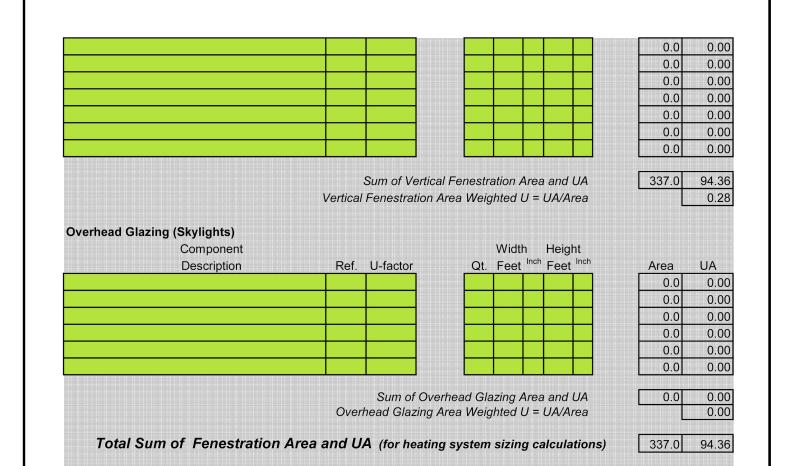
100 CFM INTERMITTENT OR 25 CFM CONTINUOUSLY

50 CFM INTERMITTENT OR 20 CFM CONTINUOUSLY

86

ite: 09/20/23 M/BP 04/1





Qt. Feet Inch Feet Inch

Width Height

Qt. Feet Inch Feet Inch

Ref. U-factor

0.28

0.28

0.28

0.28

0.28

0.28

0.28

0.28

Area UA

0.0

0.0

9.0 2.5

30.0 8.40

30.0 8.40

30.0 8.40

30.0 8.40

24.0 6.72

16.0 4.48

0.0

24.0 6.73

36.0 10.08

8.0 2.2

24.0 6.72

12.0 3.36

40.0 11.20

24.0 6.7

0.0 0.00 0.0 0.00 0.0 0.00 0.0 0.00

0.0

0.0

0.0

0.0

0.0 0.00 0.0 0.00 0.0 0.00 0.0 0.00

0.0

0.0

0.0

0.0

0.0 0.00 0.0 0.00

Window, Skylight and Door Schedule

Exempt Swinging Door (24 sq. ft. max.)

Exempt Glazed Fenestration (15 sq. ft. max.)

Vertical Fenestration (Windows and doors)

FOYER

DEN

DINING

KITCHEN

FAMILY

ENTRY

HALLWAY

BEDROOM

STAIR

UTILITY

BATH

BATH

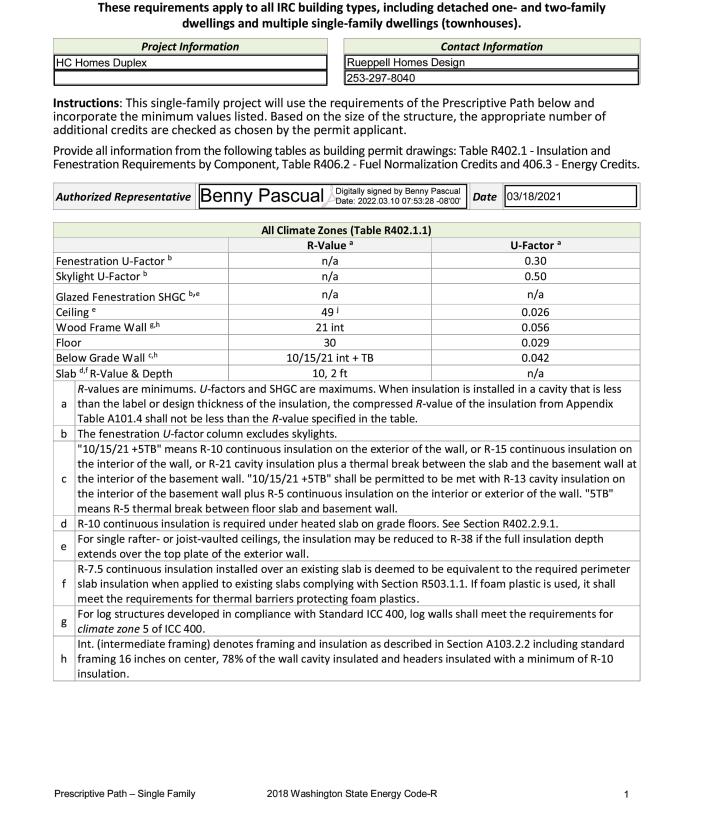
OWNER'S SUITE

FAMILY

Component

Description

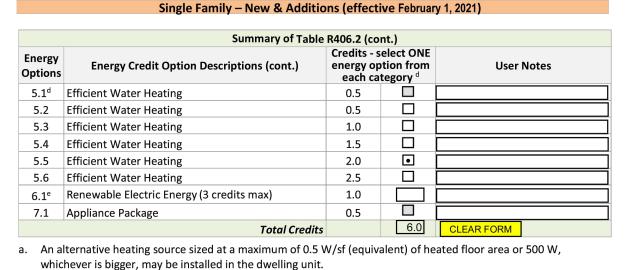
Homes Duplex



2018 Washington State Energy Code – Residential

Prescriptive Energy Code Compliance for All Climate Zones in Washington

Single Family – New & Additions (effective February 1, 2021)



2018 Washington State Energy Code - Residential

Prescriptive Energy Code Compliance for All Climate Zones in Washington

- whichever is bigger, may be installed in the dwelling unit.
- b. Equipment listed in Table C403.3.2(4) or C403.3.2(5) c. Equipment listed in Table C403.3.2(1) or C403.3.2(2)

Prescriptive Path – Single Family

- d. You cannot select more than one option from any category EXCEPT in category 5. Option 5.1 may be combined with options 5.2 through 5.6. See Table 406.3.
- e. 1.0 credit for each 1,200 kWh of electrical generation provided annually, up to 3 credits max. See the complete Table R406.2 for all requirements and option descriptions.

Please print only pages 1 through 3 of this worksheet for submission to your building of

2018 Washington State Energy Code-R