Impact tees apply and are due <i>prior</i> to final inspection or on whichever occurs first. DC Building	TO BE		(if incorporated within drawing set) Its://www.neresp.org/thu/2028/additions/cut/com.pdf
IMPACT FEES: If applicable.	Permit number Approved by Date	N. Postconstruction Test. waconaszas N Rough-in Test. waconaszas	edit.information: wzc.roe-excz ecific, written requirements) rm information:
	Applies (Geologic Hazard area), Grading not permitted between October 1 through April 1. Whoter approach Goding and excavation permitted subject to all conditions noted in Seasonal Development Umbation Waiver Permit.	M Provide air leakage test report verifying air leakage rate does not to exceed 5 air changes per hour. Duct Leakage Testing. war.www.zz	oisture control) onMISO7 wa Arendod sizing if applicable)
Required Inspection(s):	Geatechnical Engineer SEASONAL DEVELOPMENT LIMIT ATION RESTRICTION:	🗹 Air Leakage Testing. 1965 for from MAX.4.2 WA Amendment	
ADDITIONAL REQUIRED CITY II Call the appropriate contact to arrange the ins	Gedechnical Report provided. All construction must comply with the recommendations of the Gedechnical Report. A copy of report and other geotechnical information must be kept on site at all times.	Alternatively, incorporate or include the Residential Energy Code	Indicate where the following information is located in the drawing set. Alternatively, incorporate or include the Residential Energy Code Prescriptive Compliance (RECPC) Form into the drawing set. Sect. Sect.
	Land clearing, grading, filling and foundation work within geologic hazard areas is NOT PERMITTED between October 1 and April 1 without an approved Seasonal Development Unitation Waiver.	Other:	other: RGY CODE COMPLIANCE INFORMATION:
Applicant option. Additional fees will be required	□ Civil / Drainage □ UP / Setback requirements	☐ Window wall / curtain wall construction ☐ Other:	tairs, etc.)
Inspectors, Geotechni	A Building Inspection prior to demolition is required for all legally nonconforming single family dwelling to ensure no more than 40 percent of the dwelling's exterior walls are structurally altered. Contact the Building Inspector at (206) 275-7730.	Post tension layout Exterior cladding	Connector plate wood trusses Metal loist / metal trusses
Final Inspection: Building, including electrical / mechaniapplicable, provide close out (summary) letters from Engapplicable.	☐ Other: ☐ Other: ☐ MAXIMUM 40 PERCENT ALTERATION INSPECTION: MICE ING ADMINITED PROPERTY.	ngs for submittal to the City for review and approval prior to item	plicant is required to select all deterred submittals / shop dravation / construction.
	☐ Building Setback survey		DEFERRED SUBMITTALS:
	Building height survey	Other	aterials:
		Exterior Insulation Finish System (EIFS) installation	S
☐ FCA2: ☐ Final Inspection: Water	Surveyor shall verify points chosen for height calculations and point verification shall be submitted at the time of City foundation Inspection. A property survey may be required to verify setbacks and in some cases buildings must be surveyed onto the lot. The City	☐ Stucco installation ☐ Infiltration System	installations nchor installations
• Fire Code Alternatives (see below) • Fire Alarm System ———————————————————————————————————	SURVEY REQUIRENIENTS (The following survey information must be submitted when checked):	Phone:	Compan
Ac a		Other.	
☐ Final Inspection: Tree Restoration ☐ Final Inspection: Fire protection, i	□ cA1: □ cA2:		system construction Compar
	alternatives must be Inspected. Refer to the Inspection Checklist		Special Inspector /
	APPROVED CODE ALTERNATIVES:	Cones	
	Note: When side sewer is to be connected to the lake line you will need to schedule three (3) days in advance with the City of	Other:	Other.
	☐ New connection. ☐ Connect to existing ☐ Disconnect permit required. ☐ Reconnect permit required. ☐ Other:	Glass unit masonry installation Wall panel and vapoer installation	path
Masonry construction (fireplace / walls / veneer / etc.)	lower than the elevation of the upstream manhole rim or when side sewer is shared with one or more properties. Udeo tape of existing sewer required (see standard details)	Phone:	STRUCTURAL MASONRY: Special Inspector: Company:
Framing and glazing. If applicable, provide Special Inspection letter for lateral wood inspection, welding epoxy anchors, etc.	Side sewer requires a backflow preventer when connecting to the lake line or when the elevation of the lowest plumbing fixture is	Other:	
	Full Size drawings required. Other:	☐ Moment Frame construction ☐ Other:	☐ Structural steele rection, field welds and bolting
Rough plumbing installation (On site infiltration system required. No Storm Water permit required. P. Comection to public storm drainage conveyance system req'd.	Phone:	Compan
	On site detention system required. Direct discharge into the lake	Surer.	
	DRAINAGE REQUIREMENTS:	Other:	
Nailing-Exterior wall and Shearwall. If applicable, provide Special Inspection letter for lateral wood inspection.	or lake irrigation). Additional water supply requirements:	Retaining wall construction Prestres sed / Precast construction	concrete placement
	M. Pressure reducing valve required in pressure exceeds 80 ps. M. Reduced pressure backflow assembly (RPBA) required for all lots with waterfront or non-city water supply (private wells	Phone:	Company
Underfloor framing	Abandonment of existing service and meter required at main.		
Underslab electrical / mechanical / plumbing Underslab insulation / vapor barrier / reinforcing	Required Service Line Size: [WA Required Supply Line Size: [WA Required Meter Size: [WA] (water main to meter)	Pile placement (auger cast/driven pile) Other:	
		Rockery Installation	Observe and monitor excavation
Connections to existing side sewer	Water Supply system upgrade required	Subsurface drainage placement Verify fill material and compartion	
sewer main	Fire sprinkler design calculations must be provided prior to determining water supply system requirements.	Phone:	Comp
 Side sewer installation, including (but not limited to): 	WATER SUPPLY REQUIREMENTS:		
Water Supply Water as-built drawings	LIFOX2	Other:	☐ General Conformance to Construction Documents
Mater Service		7	STRUCTURAL OBSERVATION BY ENGINEER OF RECORD (EOR):
Catch basins including			below. Do not cover or conceal any work prior to the City inspection.
Infiltration systems	NFA 13R	n to the Special Inspection or Structural Observation indicated	Inspection. Note: Inspection by the City Inspector is required in addition to the Special Inspection or Structural Observation indicated
main in ROW		t shall be submitted to the City Building Inspector prior to the City	Inspectors (except Geotechnical) must be WABO certified. When Special Inspection or Structural Observation is required the renor
 Storm drainage, including (but not limited to): Connections to storm 	☐ Fire Sprinkler ☐ Monitored Household ☐ NEPA 13D Fire Alarm per NFPA 72	al inspections or structural Observation (check items below). tor for the checked inspections noted below. All Special	t is the Engineer of Record's responsibility to specify all required special inspections or Structural Observation (check items below). The owner is responsible for hiring an approved private Special Inspector for the checked inspections noted below. All Special
Roor and rooting drains	rate Permits are required for ALL fire protection systems. For mo	AL OBSERVATIONS:	REQUIRED SPECIAL INSPECTIONS / STRUCTUR
	FIRE PROTECTION REQUIREMENTS:		
	☐ This project appears to be within a protected eagle nest area. Contact Federal Fish and Wildlife at (360) 534-9304 or visit their website at http://www.fvs.gov/pacfic/eagle	Email:	jon@friedmanhomes.net
reports of inspections (pile and shoring installation, etc.) Footings, setbacks, UFER ground. If applicable, provide survey letter	☐ Replacement trees must be a minimum of six feet fall at installation. They must be planted and approved prior to final inspection. ☐ For this project, IWA trees are authorized to be removed and replaced with IWA trees.	Phone:	Phone: (206) 550-7954
	Mo trees shall be cut without a City of Mercer Island tree permit. ■ Mo trees shall be cut without a City of Mercer Island tree permit.	Address:	Address: P.O. Box 481 Mercer Island Wa 98040
Dilings / Shoring / Shortnete familiable provide support letter	☑ Tree protection as shown on approved drawings shall be installed at tree dripline prior to start of any site work and	Name: same	Name: Jon Friedman
separate KOW permit required Land clearing, grading and demolition		Applicant Contact Information post permit issuance:	tact information pnor to permit issuance:
	A City of Mercer Island Business License is required for all subcontractors. Call (206) 275-7783 for more information.		
	WE Erosion control measures must be as shown on approved project drawings. All erosion control is to be in place and inspected neighbor the start of any site work	C DISCLOSORE AS REQUIRED BY NEW 42.50	CONTACT INFORMATION:
☐ Pre-construction Meeting to Review Conditions of Permit Approval *☐ Tree protection	Refer to "Preconstruction Meeting Checklist" provided at the preconstruction meeting for development related requirements. Tennocary site address with minimum 6" high numbers visible from the street must be installed.	O DISCI OSTIBE AS BEOTHBED BY BOW AS ES	OTE: ALL BECORDS AND DRAWINGS ARE SHE IECT TO BIRL
INSPECTIONS: (listed in order of typical sequencing) Impactor: Date: Approved	PI Construction Vehicle Parking Restrictions - Sewer Requirements - Noise Abatement Certification - Acres Road Benuliements - Water Service Requirements - Tree Requir	(206) 275-7730	WIEPIAN
Inspector shall and date appropriate inspection only if approved. Note: Items marked with an "*" require a separate permit. It is the	Note to Considerior of Permit Approval provide at permit issuance for required construction rules and regulations, including: Site Considerations ROW restrictions Additional Fire Code Requirements ROW restrictions	voicemoli:	PHONE: 206.275.7605 www.mercergov.org
www.MyBuildingPermit.com or Localing the Inspection Hotiline at (206) 275-7730. Allow at least 24 hours (48 hours for Reinforcing steel) in advance of distingPermit.com or Bassackins and inspection Hotiline at (206) 275-7730. Allow at least 24 hours (48 hours for Reinforcing steel) in advance of distingPermit.com or Bassackins at home of inspection.	approval from the City of Mercer Island. Approved plans must be kept on site and maintained in good condition.	The state of the s	
D CONSTRU ant's responsibility	PROJECT ALERIS: Construction of the noticet shall be from <i>constructed plants and</i> by deviation from the approved project plant is allowed without prior	INSPECTION REQUESTS:	CITY OF MERCER ISLAND

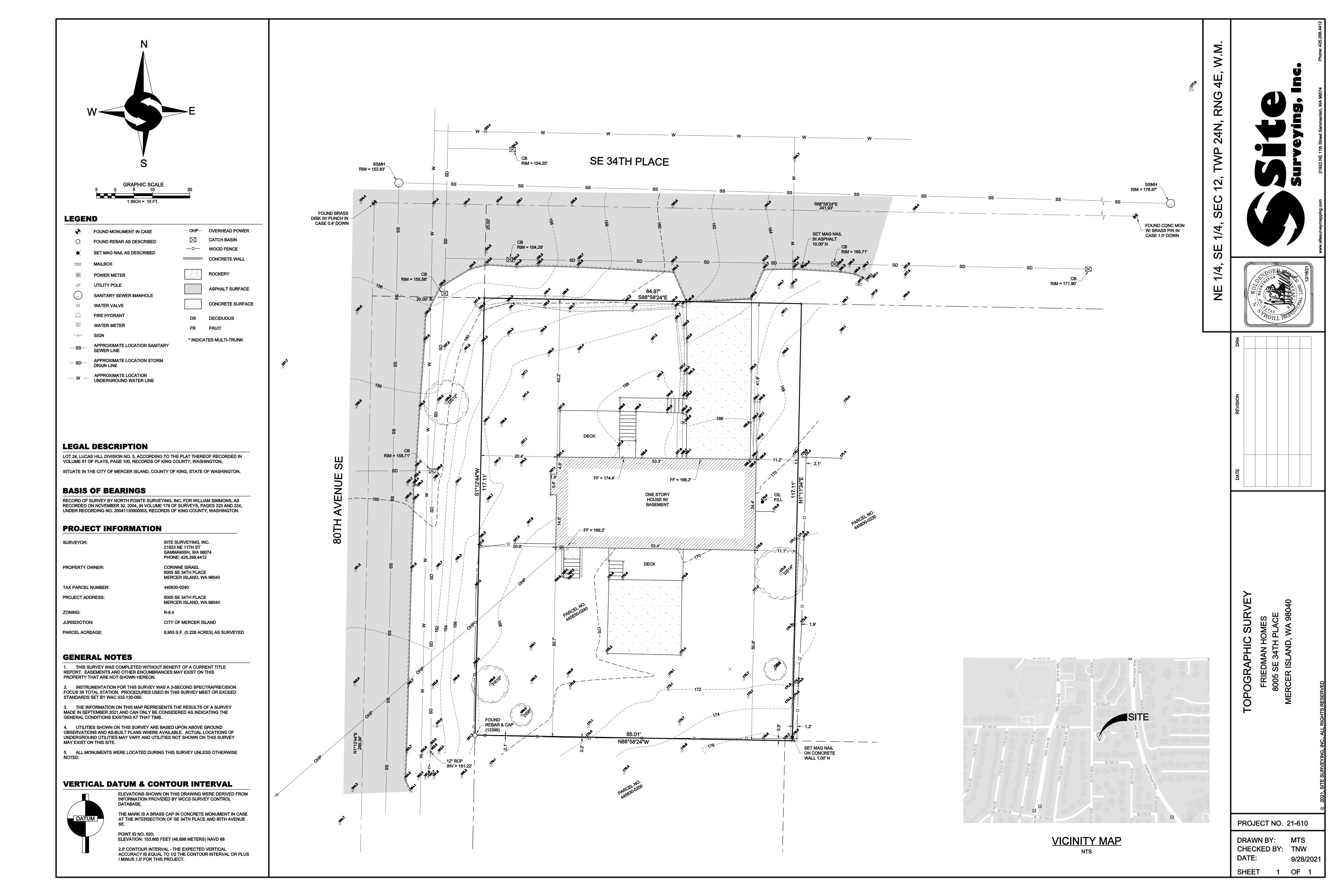
ON THE BUILDING SITE AT ALL TIMES

TO BE COMPLETED BY APPLICANT

PROJECT NAME: PROJECT ADDRESS:

2265 LLC, SFR 8005 SE 34th PL Issued after all required inspections have been performed and approved.

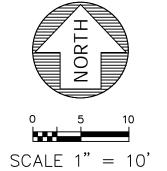


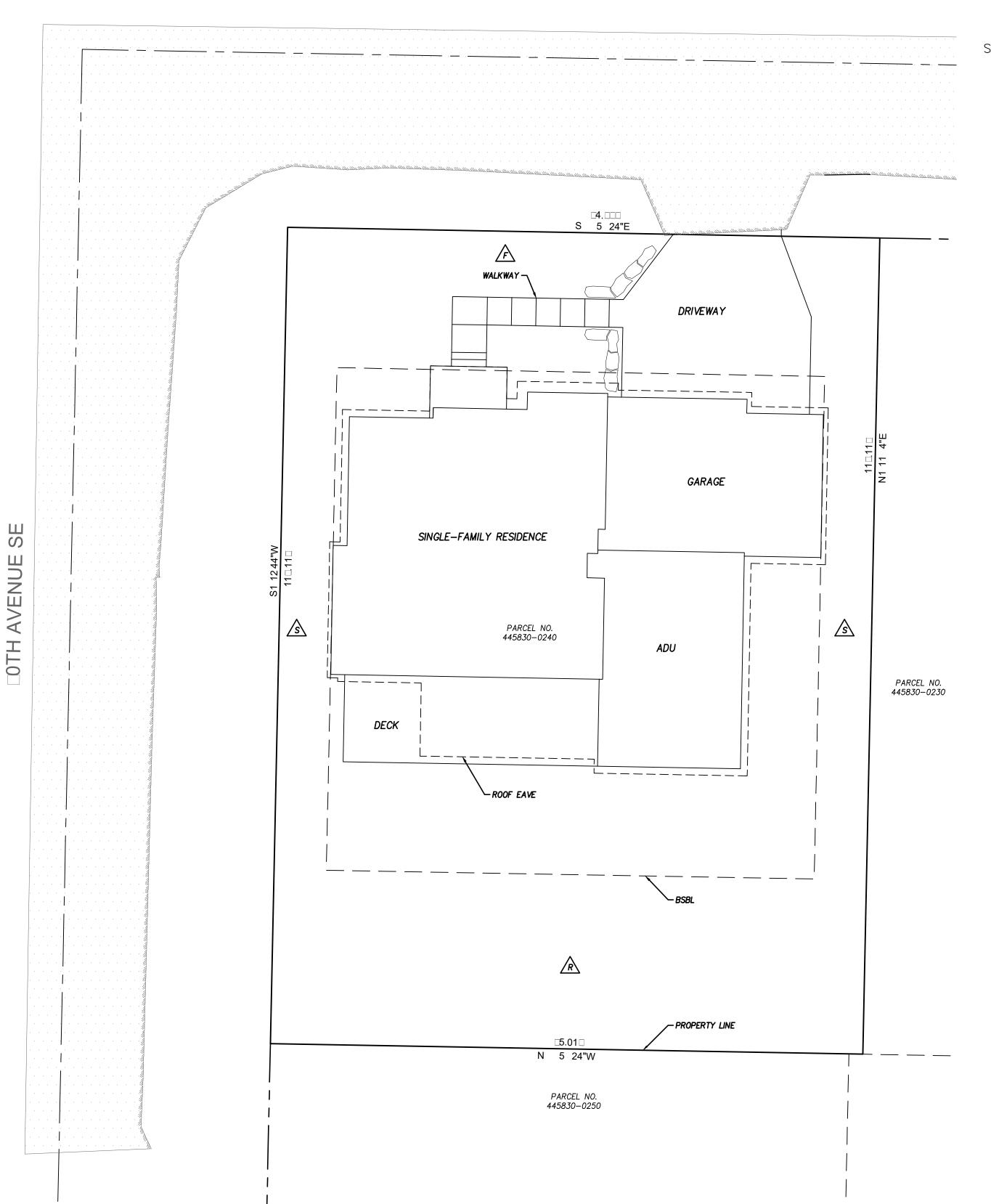


8005 SE 34TH PL RESIDENCE

NE 1/4 OF NE 1/4 OF SECTION 12, T. 24 N., R. 04 E., W.M. CITY OF MERCER ISLAND, STATE OF WASHINGTON

SE **4TH PLACE**







FOUND MONUMENT IN CASE FOUND REBAR AS DESCRIBED

WATER VALVE

FIRE HYDRANT

DRAIN LINE

OHPOVERHEAD POWER

—□— WOOD FENCE

ROCKERY

ASPHALT SURFACE

FR FRUIT

SET MAG NAIL AS DESCRIBED

POWER METER

UTILITY POLE SANITARY SEWER MANHOLE

WATER METER

APPROXIMATE LOCATION STORM

APPROXIMATE LOCATION UNDERGROUND WATER LINE

CATCH BASIN

CONCRETE WALL

CONCRETE SURFACE

DS DECIDUOUS

□INDICATES MULTI TRUNK



VICINITY MAP

PROJECT TEAM:

ENGINEER:

JON FRIEDMAN FRIEDMAN HOMES

PO BOX 481 MERCER ISLAND, WA 98040 (206) 550-7954

COSTA PHILIPPIDES, PE ENCOMPASS ENGINEERING & SURVEYING 165 N.E. JUNIPER STREET, SUITE 201

ISSAQUAH, WA 98027 (425) 392-0250

THOMAS N. WOLDENDORP SITE SURVEYING, INC. SURVEYOR: 21923 NE 11TH ST SAMMAMISH, WA 98074 (425) 298-4412

MARCUS JENKINS ARCHITECTS NORTHWEST ARCHITECT:

18915 142ND AVE NE, SUITE 100 WOODINVILLE, WA 98072

(425) 485-4900 GEOTECHNICAL ENGINEER: KYLE R. CAMPBELL, PE

EARTH SOLUTIONS NW, LLC 15365 NE 90TH ST, SUITE 100 REDMOND, WA 98052 (425) 449-4704

8005 SE 34TH PL

PUGET SOUND ENERGY (888) 321-7779

SITE DATA:

ELECTRIC/GAS:

SITE ADDRESS:

MERCER ISLAND, 98040 SITE AREA: TAX PARCEL: 445830-0240

R-8.4 ZONING:

UTILITY INFORMATION:

CITY OF MERCER ISLAND SEWER/WATER: FIRE DISTRICT: CITY OF MERCER ISLAND

CABLE TV: COMCAST (800) 934-6489

BSBL DISTANCES: /F FRONT YARD: 20'

REAR YARD: 25' SIDE YARD: 7.5' (15' TOTAL)

IMPERVIOUS AREA SUMMARY:

ROOF: 3,315 SF WALKWAY: 128 SF DRIVEWAY: 565 SF DECK: 152 SF 4,160 SF (0.096 AC)

1. ALL CONSTRUCTION TECHNIQUES AND MATERIALS SHALL BE PER CITY OF MERCER ISLAND STANDARDS/SPECIFICATIONS. 2. SOIL SHALL BE AMENDED PER CITY STANDARDS.

SEE SOIL AMENDMENT NOTES ON SHEET 2.

TAX PARCEL:

445830-0240

NAD 83/89

HORIZONTAL DATUM:

BASIS OF BEARINGS:

RECORD OF SURVEY BY NORTH POINTE SURVEYING, INC, FOR WILLIAM SIMMONS, AS RECORDED ON NOVEMBER 30, 2004, IN VOLUME 179 OF SURVEYS, PAGES 223 AND 224, UNDER RECORDING NO. 20041130900003, RECORDS OF KING COUNTY, WASHINGTON.

VERTICAL DATUM: NAVD 88

BENCHMARK:

THE MARK IS A BRASS CAP IN CONCRETE MONUMENT IN CASE AT THE INTERSECTION OF SE 34TH PLACE AND 80TH AVENUE SE.

POINT ID NO. 520;

ELEVATION: 153.865 FEET (46.898 METERS) NAVD 88

INSTRUMENTATION:

INSTRUMENTATION FOR THIS SURVEY WAS A 3-SECOND SPECTRAPRECISION FOCUS 35 TOTAL STATION. PROCEDURES USED IN THIS SURVEY MEET OR EXCEED STANDARDS SET BY WAC 332-130-090.

LEGAL DESCRIPTION:

LOT 24, LUCAS HILL DIVISION NO. 5, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 61 OF PLATS, PAGE 100, RECORDS OF KING COUNTY, WASHINGTON;

SITUATE IN THE CITY OF MERCER ISLAND, COUNTY OF KING, STATE OF WASHINGTON.

SHEET INDEX:

TLE	SHEET
OVER	1
ROSION CONTROL PLAN AND NOTES	2
RADING AND UTILITY PLAN	3



04/21/2022

SID OVE

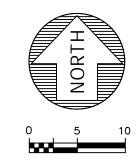
34

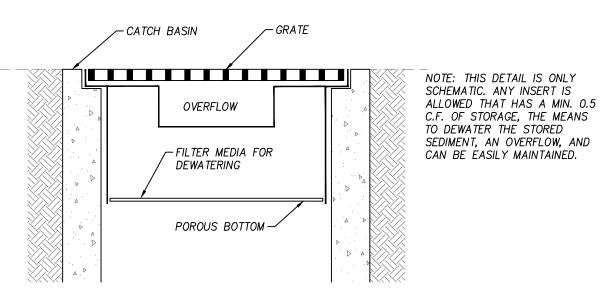
SCALE 1"=10' IWD DESIGNED DRAWN CHECKED APPROVED

SHEET

8005 SE 34TH PL RESIDENCE

NE 1/4 OF NE 1/4 OF SECTION 12, T. 24 N., R. 04 E., W.M. CITY OF MERCER ISLAND, STATE OF WASHINGTON

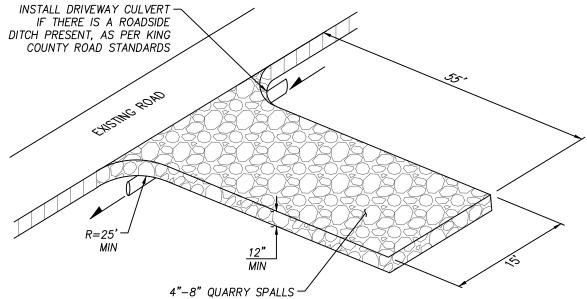




MAINTENANCE STANDARDS

- 1. ANY ACCUMULATED SEDIMENT ON OR AROUND THE FILTER FABRIC PROTECTION SHALL BE REMOVED IMMEDIATELY. SEDIMENT SHALL NOT BE REMOVED WITH WATER, AND ALL SEDIMENT MUST BE DISPOSED OF AS FILL ON-SITE OR HAULED OFF-SITE.
- ANY SEDIMENT IN THE CATCH BASIN INSERT SHALL BE REMOVED WHEN THE INSERT HAS FILLED ONE-THIRD OF THE AVAILABLE STORAGE. THE FILTER MEDIA FOR THE INSERT SHALL BE CLEANED OR
- 3. REGULAR MAINTENANCE IS CRITICAL FOR BOTH FORMS OF CATCH BASIN PROTECTION. UNLIKE MANY FORMS OF PROTECTION THAT FAIL GRADUALLY, CATCH BASIN PROTECTION WILL FAIL SUDDENLY AND COMPLETELY IF NOT MAINTAINED PROPERLY.

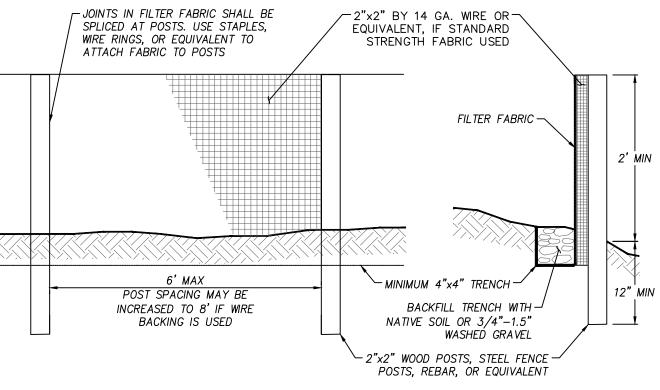
CATCH BASIN PROTECTION DETAIL



- QUARRY SPALLS (OR HOG FUEL) SHALL BE ADDED IF THE PAD IS NO LONGER IN ACCORDANCE WITH THE
- 2. IF THE ENTRANCE IS NOT PREVENTING SEDIMENT FROM BEING TRACKED ONTO PAVEMENT, THEN ALTERNATIVE MEASURES TO KEEP THE STREETS FREE OF SEDIMENT SHALL BE USED. THIS MAY INCLUDE STREET SWEEPING, AN INCREASE IN THE DIMENSIONS OF THE ENTRANCE, OR THE INSTALLATION OF A WHEEL WASH. IF WASHING IS USED, IT SHALL BE DONE ON AN AREA COVERED WITH CRUSHED ROCK, AND WASH WATER SHALL DRAIN TO A SEDIMENT
- 3. ANY SEDIMENT THAT IS TRACKED ONTO PAVEMENT SHALL BE REMOVED IMMEDIATELY BY SWEEPING. THE SEDIMENT COLLECTED BY SWEEPING SHALL BE REMOVED OR STABILIZED ON SITE. THE PAVEMENT SHALL NOT BE CLEANED BY WASHING DOWN THE STREET, EXCEPT WHEN SWEEPING IS INEFFECTIVE AND THERE IS A THREAT TO PUBLIC SAFETY. IF IT IS NECESSARY TO WASH THE STREETS, A SMALL SUMP MUST BE CONSTRUCTED. THE SEDIMENT WOULD THEN BE WASHED INTO THE SUMP WHERE IT CAN BE CONTROLLED. WASH WATER MUST BE PUMPED BACK ONTO THE SITE AND CAN NOT DISCHARGE TO SYSTEMS TRIBUTARY TO SURFACE WATERS.
- 4. ANY QUARRY SPALLS THAT ARE LOOSENED FROM THE PAD AND END UP ON THE ROADWAY SHALL BE REMOVED IMMEDIATELY.
- 5. IF VEHICLES ARE ENTERING OR EXITING THE SITE AT POINTS OTHER THAN THE CONSTRUCTION ENTRANCE(S), FENCING SHALL BE INSTALLED TO CONTROL TRAFFIC.

CONSTRUCTION ENTRANCE DETAIL

NO SCALE

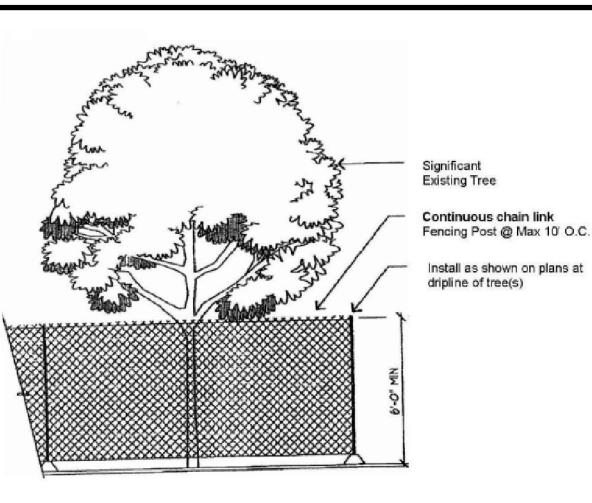


MAINTENANCE:

- ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.
- 2. IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDIMENT TRAP OR POND.
- 3. IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE OR REMOVE THE TRAPPED SEDIMENT.
- 4. SEDIMENT MUST BE REMOVED WHEN THE SEDIMENT IS 6 INCHES HIGH.
- 5. IF THE FILTER FABRIC (GEOTEXTILE) HAS DETERIORATED DUE TO ULTRAVIOLET BREAKDOWN, IT SHALL BE REPLACED.

SILT FENCE





Six-foot high temporary chain link fence shall be placed as shown on plans. Fence shall completely encircle tree(s). Install fence posts using pier blocks only. Avoid driving posts or stakes into major roots.

Make a clean straight cut to remove damaged portion of root for all roots over 1" in diameter damaged during construction. All exposed roots shall be temporarily covered with damp burlap and covered with soils the same day, if possible, to prevent drying. If not possible, burlap must be kept moist at all times.

Work with the protection fencing shall be done manually. No stockpiling of materials, soil, debris, vehicle traffic, or storage of equipment or machinery shall be allowed within the limit of

Cement trucks must not be allowed to deposit waste or wash out materials from their trucks within the Tree Protection Fences.

The area within the Tree Protection Fencing must be covered with wood chips, hog fuel, or similar materials to a depth of 8 to 10 inches. The materials should be placed prior to beginning construction and remain until the Tree Protection Fencing is taken down.

TREE PROTECTION FENCE DETAIL

THE LAWN AND LANDSCAPE AREAS ARE REQUIRED TO PROVIDE POST—CONSTRUCTION SOIL QUALITY AND DEPTH IN ACCORDANCE WITH BMP T5.13. THE PROJECT CIVIL ENGINEER MUST PROVIDE A LETTER OF CERTIFICATION TO ENSURE THAT THE LAWN AND LANDSCAPE AREAS ARE MEETING THE POST-CONSTRUCTION SOIL QUALITY AND DEPTH REQUIREMENTS SPECIFIED ON THE APPROVED PLAN SET PRIOR TO FINAL INSPECTION OF THE PROJECT.

BMP T5.13: POST-CONSTRUCTION SOIL QUALITY AND DEPTH (FROM 2014 DEPT. OF ECOLOGY SWMMWW) NATURALLY OCCURRING (UNDISTURBED) SOIL AND VEGETATION PROVIDE IMPORTANT STORMWATER FUNCTIONS INCLUDING: WATER INFILTRATION; NUTRIENT, SEDIMENT, FUNCTIONS ARE LARGELY LOST WHEN DEVELOPMENT STRIPS AWAY NATIVE SOIL AND VEGETATION AND REPLACES IT WITH MINIMAL TOPSOIL AND SOD. NOT ONLY ARE THESE IMPORTANT STORMWATER FUNCTIONS LOST, BUT SUCH LANDSCAPES THEMSELVES BECOME POLLUTION GENERATING PERVIOUS SURFACES DUE TO INCREASED

ESTABLISHING SOIL QUALITY AND DEPTH REGAINS GREATER STORMWATER FUNCTIONS IN THE POST DEVELOPMENT LANDSCAPE, PROVIDES INCREASED TREATMENT OF POLLUTANTS AND SEDIMENTS THAT RESULT FROM DEVELOPMENT AND HABITATION, AND MINIMIZES THE NEED FOR SOME LANDSCAPING CHEMICALS, THUS REDUCING

ESTABLISHING A MINIMUM SOIL QUALITY AND DEPTH IS NOT THE SAME AS PRESERVATION OF NATURALLY OCCURRING SOIL AND VEGETATION. HOWEVER, ESTABLISHING A MINIMUM SOIL QUALITY AND DEPTH WILL PROVIDE IMPROVED ON—SITE MANAGEMENT OF STORMWATER FLOW AND WATER QUALITY. SOIL ORGANIC MATTER CAN BE ATTAINED THROUGH NUMEROUS MATERIALS SUCH AS COMPOST. COMPOSTED WOODY MATERIAL, BIOSOLIDS. AND FOREST PRODUCT RESIDUALS. IT IS IMPORTANT THAT THE MATERIALS USED TO MEET THE SOIL QUALITY AND DEPTH BMP BE APPROPRIATE AND BENEFICIAL TO THE PLANT COVER TO BE ESTABLISHED. LIKEWISE, IT IS IMPORTANT THAT IMPORTED TOPSOILS IMPROVE SOIL CONDITIONS AND DO NOT HAVE AN EXCESSIVE PERCENT OF CLAY FINES.

IDENTIFY AREAS OF THE SITE THAT WILL NOT BE DISTURBED DURING CONSTRUCTION (CLEARED, GRADED, OR DRIVEN ON). FENCE THOSE AREAS TO PREVENT IMPACTS DURING CONSTRUCTION. IF NEITHER SOILS NOR VEGETATION ARE DISTURBED, THESE AREAS DO NOT REQUIRE AMENDMENT

IN DISTURBED AREAS (COMPACTED BY CONSTRUCTION TRAFFIC): · SCARIFY THE TOP 4 INCHES OF SUBSOIL

- · USE A CAT-MOUNTED RIPPER, TRACTOR-MOUNTED DISC, OR TILLER TO MIX THE FIRST LIFT OF TOPSOIL INTO THE SUBSOIL (KNOWN AS SCARIFYING,
- USE THE EQUIPMENT LISTED IN THE PREVIOUS BULLET TO SCARIFY (TILL OR RIP) SOILS TO A DEPTH OF 12 INCHES BEFORE TILLING IN AT LEAST 8 INCHES OF COMPOST

THREE OPTIONS TO RESTORE DISTURBED SOILS INCLUDE:

OPTION 1: TILL COMPOST (1.75 INCHES FOR TURF AREAS; 3 INCHES FOR PLANTING BEDS) INTO EXISTING SOIL, OR

OPTION 2: STOCKPILE AND REUSE EXISTING TOPSOIL (AMEND IF NEEDED TO MEET 5% ORGANIC MATTER CONTENT FOR TURF AREAS; 10% ORGANIC MATTER CONTENT FOR PLANTING BEDS). OR

OPTION 3: IMPORT 6 INCHES OF COMPOST-AMENDED TOPSOIL (25% COMPOST FOR TURF AREAS; 40% COMPOST FOR PLANTING BEDS) AND SCARIFY (TILL OR RIP) INTO EXISTING SOIL IN TWO 3-INCH LIFTS

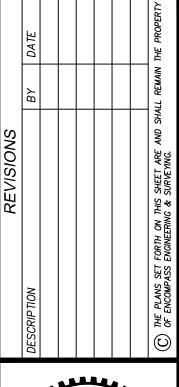
TREE PROTECTION MEASURES

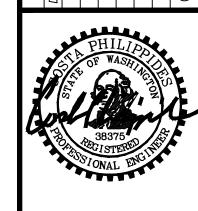
REE PROTECTION FENCING FOR DEMOLITION:

- TREE PROTECTION FENCES WILL NEED TO BE PLACED AROUND EACH TREE OR GROUP OF TREES TO BE RETAINED. • TREE PROTECTION FENCES ARE TO BE PLACED ACCORDING TO THE ATTACHED DRAWINGS.
 - TREE PROTECTION FENCES MUST BE INSPECTED AND APPROVED BY THE CITY PRIOR TO THE BEGINNING OF ANY DEMOLITION OR CONSTRUCTION WORK ACTIVITIES. NOTHING MUST BE PARKED OR STORED WITHIN THE TREE PROTECTION FENCES—NO EQUIPMENT, VEHICLES, SOIL, DEBRIS, OR CONSTRUCTION SUPPLIES OF ANY SORTS.
- THE AREA OUTSIDE THE TREE PROTECTION FENCES IS THE WORK/DEVELOPMENT ZONE. • THE AREA INSIDE THE TREE PROTECTION FENCING IS THE TREE PROTECTION ZONE.
- FENCES SHALL BE ANCHORED SO THEY CAN NOT BE MOVED
- THE TREE PROTECTION FENCES NEED TO BE CLEARLY MARKED WITH THE FOLLOWING OR SIMILAR TEXT IN FOUR INCH OR LARGER LETTERS:
 - "TREE PROTECTION FENCE DO NOT ENTER THIS AREA DO NOT PARK OR STORE MATERIALS
- WITHIN THE PROTECTION AREA" • ANY QUESTIONS, CONTACT MERCER ISLAND CODE COMPLIANCE: (206) 275-7712 CODECOMPLIANCE@MERCERGOV.ORG
- TREE PROTECTION FENCES MUST BE INSPECTED AND APPROVED BY THE CITY PRIOR TO ANY DEMOLITION OR CLEAN—UP WORK BEGINNING. ANY EXCAVATION, INCLUDING FOUNDATION, NEAR TREES 451, 453 OR 455 SHALL HAVE ARBORIST SUPERVISION
- MINIMIZE OVER EXCAVATION FOR FOUNDATIONS
- THE ARBORIST SHALL SUPERVISE TREE/SHRUB REMOVAL— AVOID ALL DAMAGE TO EXCEPTIONAL AND CITY TREE ROOTS

• THE AREA WITHIN THE TREE PROTECTION FENCING MUST BE COVERED WITH WOOD CHIPS, HOG FUEL, OR SIMILAR MATERIALS TO A DEPTH OF 6 TO 8 INCHES. THE MATERIALS SHOULD BE PLACED PRIOR TO BEGINNING CONSTRUCTION AND REMAIN UNTIL THE TREE PROTECTION FENCING IS TAKEN DOWN.

- THE CANOPIES OF SOME OF THE TREES MAY NEED TO PROPERLY PRUNED TO ALLOW FOR EQUIPMENT, BUILDING, AND CONSTRUCTION CLEARANCE. THE PRUNING MUST
- BE DONE BY AN INTERNATIONAL SOCIETY OF ARBORICULTURE, (ISA) CERTIFIED ARBORIST USING CURRENT INDUSTRY STANDARD PRUNING TECHNIQUES. (ANSI A300 PRUNING STANDARDS AND ANSI Z131.1 SAFETY STANDARDS AS WELL AS ALL OSHA, WISHA, AND LOCAL STANDARDS MUST BE FOLLOWED.) PLANT DEBRIS CAN BE CHIPPED AND UTILIZED ON SITE FOR THE MULCH UNDER THE TREES.
- DEMOLITION AND REMOVAL OF THE EXISTING IMPROVEMENTS:
- WHEN DEMOLITION OCCURS, CONSTRUCTION EQUIPMENT MUST BE KEPT OUTSIDE THE TREE PROTECTION ZONE. • DEMOLITION MUST BE FOLLOW THIS PROCESS TO PROTECT THE LONG TERM SURVIVABILITY OF THE TREES:
- AN INTERNATIONAL SOCIETY OF ARBORICULTURE, (ISA) CERTIFIED ARBORIST MUST BE WORKING WITH AND IN CONTROL OF ALL EQUIPMENT OPERATORS.
- AS A "SAWSALL" IS RECOMMENDED).
- THE CERTIFIED ARBORIST SHOULD BE OUTFITTED WITH A SHOVEL, HAND PRUNERS, A PAIR OF LOPPERS, A HANDSAW, AND A POWER SAW (A RECIPROCATING SAW, SUCH





04/21/2022

21720 JOB NO. SCALE SCALE DESIGNED IWD DRAWN CHECKED APPROVED

SHEET

SE **ATH PLACE** RIM 🗆 15 🗆 🗆 🗆 SCALE 1" = 10'UND BRASS W PUNCH IN — E 0.4□DOWN TYPE 1, VANED GRATE RIM=160.15 SET MAG NAIL - IN ASPHALT 10:00 □N RIM 🗆 154.2 🗆 12" IE=157.15± (E,W) 1E 152.0 (W) 6" IE=157.15 (SE) IE□151.□5 (E) APPROXIMATE LOCATION OF SIDE SEWER STUB PER MERCER ISLAND GIS. LOCATE AND CONNECT TO EXSIDE SEWER SOUTH OF RETAINING TYPE 1 VANED GRATE W/OIL/WATER SEPARATOR EX WATER METER AND SERVICE TO BE ABANDONED RIM 🗆 155.5 🗆 4" IE=159.5 (S,E,W) 6" IE=159.5 (NW) AT THE MAIN -PROPOSED 1" 4" SIDE -SEWER PROPERTY --WATER SERVICE SIDE SEWER -CLEANOUT IE=165.0± ESTIMATED EARTHWORK QUANTITIES CUT: 230 CY FILL: 180 CY NET: 50 CY (CUT) *FG=168.0* CONNECTION IE=160.00± FG=165.33 **GARAGE** LOWER FFE=165.33 HIGH FFE=165.66 REPLANTED TREES APPLE DOUGLAS FIR CHERRY SPRUCE MAPLE S PONDEROSA PINE RESIDENCE FFE=169.91 NOTE: AT LEAST HALF OF THE REPLANTED TREES ARE REQUIRED TO BE PACIFIC NORTHWEST NATIVE. TREES MUST BE 6 FEET TALL AT INSTALL. FG=167.41 0TF FFE=167.43 FOOTING DRAIN (TYP.) ROOF DRAIN PER-Slope backfill away from DETAIL THIS foundation. Provide surface -SHEET (TYP.) COVERED DECK drains where necessary. DOWNSPOUT --ROOF EAVE CONNECTION FG=168.25 Backfill (See text for requirements) Washed Rock-(7/8" min. size) -REPLANTED TREE EX, CONCRETE WALL TO REMAIN - REBAR & CAP (12□□□) □5.01□ N 5 24"W SET MAG NAIL ON CONCRETE WALL 1.00□N 12" RCP INV □ 161.22□ (1) In crawl spaces, provide an outlet drain to prevent buildup of water that bypasses the perimeter footing drains. (2) Refer to report text for additional drainage, waterproofing, and slab considerations. ROOF/FOOTING DRAIN DETAIL

8005 SE 34TH PL RESIDENCE

NE 1/4 OF NE 1/4 OF SECTION 12, T. 24 N., R. 04 E., W.M. CITY OF MERCER ISLAND, STATE OF WASHINGTON

NOTE:
TV INSPECTION OF EXISTING SIDE SEWER TO THE CITY
SEWER MAIN ON SE 34TH PL IS REQUIRED PRIOR TO ANY
WORK RELATED TO THE SIDE SEWER. IF THE RESULT OF
THE TV INSPECTION IS NOT IN SATISFACTORY CONDITION,
AS DETERMINED BY THE CITY OF MERCER ISLAND
INSPECTOR, THE REPLACEMENT OF THE EXISTING SIDE
SEWER IS REQUIRED.

FOOTING DRAIN NOTE:
ALL FOOTING DRAINS TO BE 2% MIN SLOPE.

NLL		DOWNSPOUT TABLE	ŀ	ROOF DRAIN TABLE
GHTS =164.35	1	FG=165.33, IE=162.83 (E,W,NW)	Λ	31 LF 4" PVC @ 2.0%
=162.16 =165.75	2	FG=169.5, IE=166.68 (N,S)	2	14 LF 4" PVC @ 2.0%
=163.31 =166.00	3	FG=170.1, IE=166.96 (E,W)	3	14 LF 4" PVC @ 2.0%
=164.47 =167.00	4	FG=170.3, IE=167.28 (N,S)	^	
=164.47 =167.23	(5)	FG=170.5, IE=167.58 (W,N)	4	16 LF 4" PVC @ 2.0%
=163.89 =168.00	6	FG=170.0, IE=168.00 (E)	<u> </u>	15 LF 4" PVC @ 2.0%
=165.33	7	FG=168.5, IE=164.82 (N,S)	6	21 LF 4" PVC @ 2.0%
	8	FG=168.5, IE=165.1 (N,S)	/7\	41 LF 4" PVC @ 2.0%
	9	FG=167.0, IE=165.62 (N,S)		
	10	FG=167.0, IE=165.82 (N,S)	8	14 LF 4" PVC @ 2.0%
	11	FG=167.0, IE=166.18 (N)	9	26 LF 4" PVC @ 2.0%
			10	10 LF 4" PVC @ 2.0%
			<u> </u>	18 LF 4" PVC @ 2.0%

Tightline Roof Drain

Possible Slab

4" Perforated Hard PVC Pipe

(Invert at least 6 inches below

slab or crawl space. Slope to

drain to appropriate outfall.

Place holes downward.)

NO SCALE

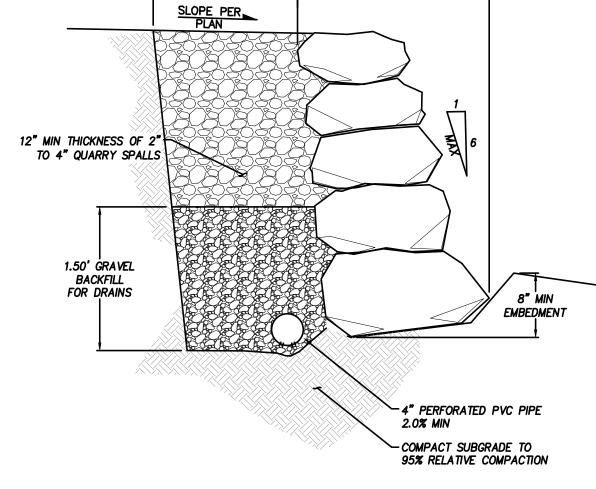
Nonwoven Geotextile Filter Fabric

(Do not connect to footing drain)

Vapor Retarder/Barrier and

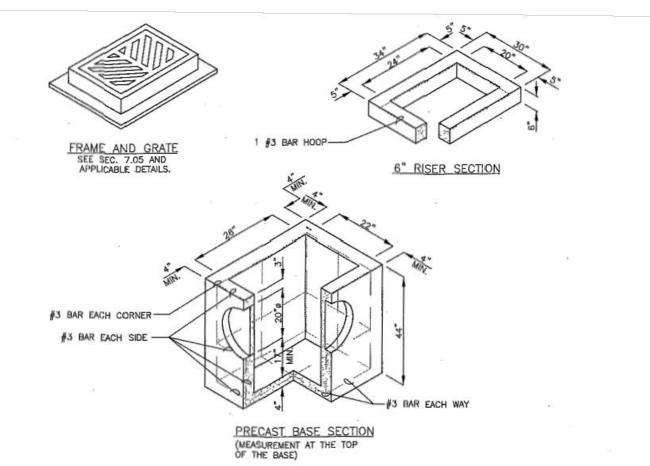
(Refer to Report text)

Capillary Break/Drainage Laye



ROCKERY WALL DETAIL

NO SCALE



12" RISER SECTION

- CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M 199 UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN
- THE WSDOT/APWA STANDARD SPECIFICATIONS. 2. AS AN ACCEPTABLE ALTERNATIVE TO REBAR, WELDED WIRE FABRIC HAVING A MIN. AREA OF 0.12 SQ. IN.
 PER FT. MAY BE USED. WELDED WIRE FABRIC SHALL.
 COMPLY TO ASTM A497 (AASHTO M 221). WIRE FABRIC
- SHALL NOT BE PLACED IN KNOCKOUTS. 3. ALL REINFORCED CAST-IN-PLACE CONCRETE SHALL BE
- CLASS 4000. 4. PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS, KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2 IN. MIN. ALL PIPE SHALL BE INSTALLED IN FACTORY PROVIDED KNOCKOUTS. UNUSED KNOCKOUTS NEED NOT BE GROUTED IF WALL IS LEFT INTACT.
- KNOCKOUT OR CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIAM. PLUS CATCH BASIN WALL THICKNESS.
- 6. ROUND KNOCKOUTS MAY BE ON ALL 4 SIDES, WITH MAX. DIAM. OF 20 IN. KNOCKOUTS MAY BE EITHER ROUND OR
- 7. THE MAX. DEPTH FROM THE FINISHED GRADE TO THE PIPE INVERT IS 5 FT.
- B. THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION AND RISER SECTION SHALL NOT EXCEED 1/2" PER FT. WITH STANDARD SPECIFICATIONS AND MEET THE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATION RR-F-62IE.
- MATING SURFACES SHALL BE FINISHED TO ASSURE NON-ROCKING FIT WITH ANY COVER POSITION. 10. FRAME AND GRATE MAY BE INSTALLED WITH FLANGE DOWN OR CAST INTO RISER.
- 11. FOR CATCH BASINS IN PARKING LOTS REFER TO WSDOT/APWA STANDARD DWG. B-5.60-01.
- 12. EDGE OF RISER OR BRICK SHALL NOT BE MORE THAN 2 IN. FROM VERTICAL EDGE OF CATCH BASIN WALL.
- SEE THE WSDOT/APWA STANDARD SPECIFICATIONS SECTION 9-05.15 FOR METAL CASTINGS REQUIREMENTS.

TYPE 1 CATCH BASIN DETAIL

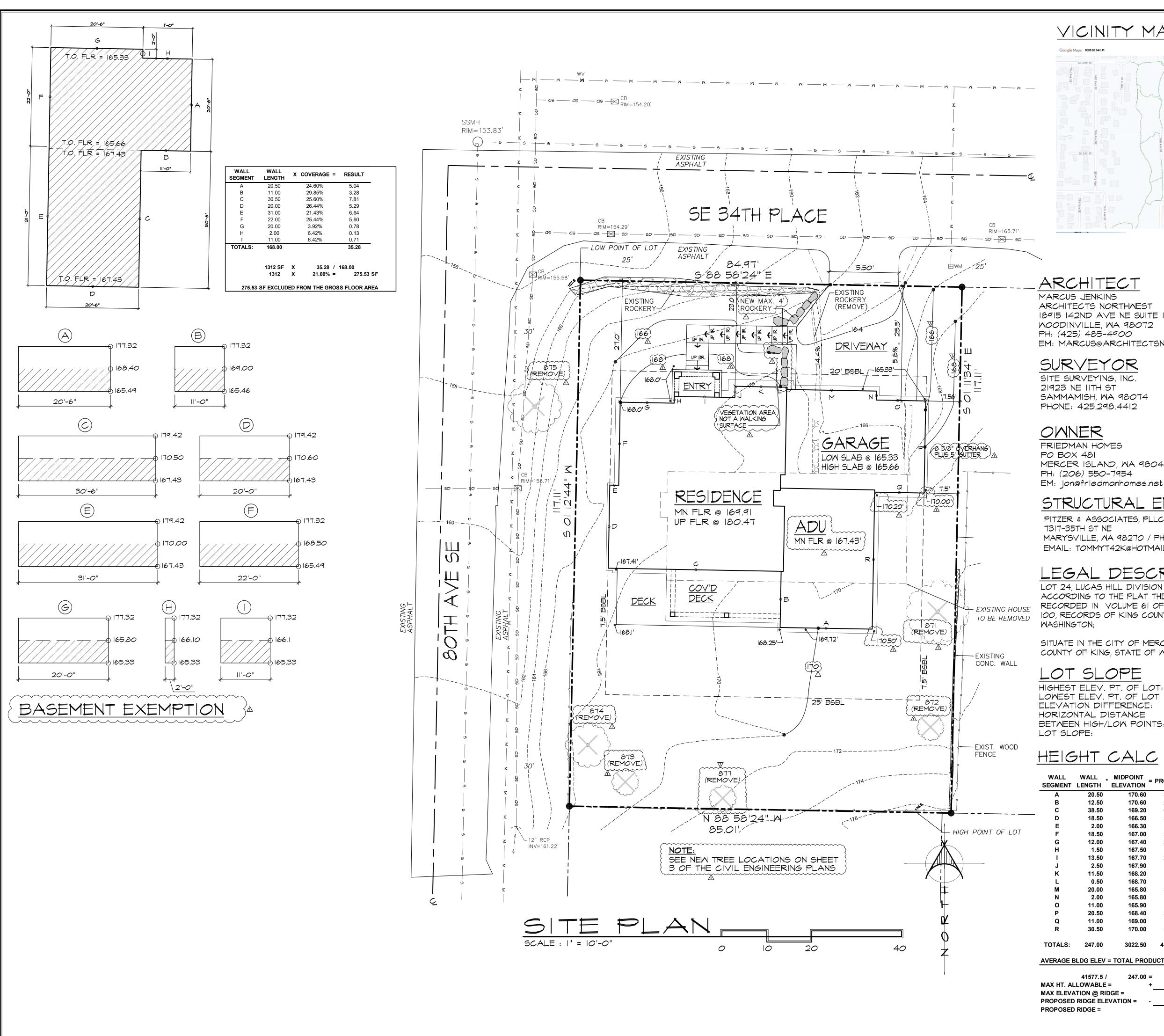
NO SCALE

04/21/2022

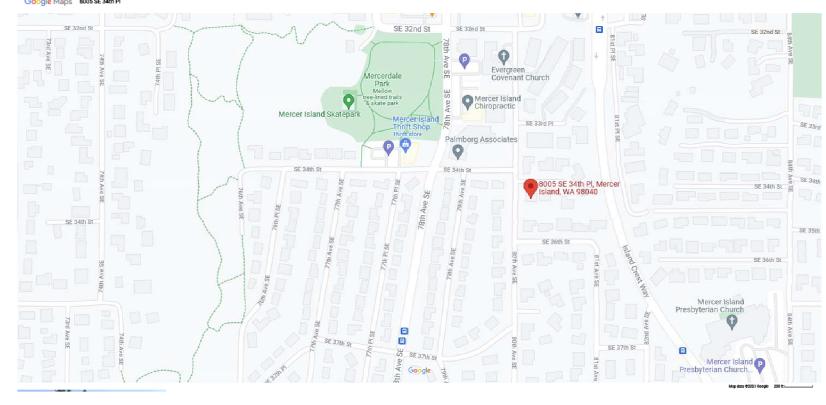
34TH

21720 SCALE 1"=10' IWD

DESIGNED DRAWN CHECKED APPROVED SHEET







SITE ADDRESS

MERCER ISLAND, WA 98040

ROOF OVERHANG AREA: 3,425 S.F.

BASEMENT: (ADU&GARAGE)

TOTAL GROSS FLOOR AREA:

ALLOWED % OF LOT AREA:

FIRE AREA SUMMARY

GROSS FLOOR AREA

553 S.F.

3,978 5.F. = 39.97%

9,953 S.F

1,312 S.F.

1.449 S.F

1,972 S.F.

-40 S.F.

256 S.F.

44.58%

45.00%

1,520 S.F.

575 S.F.

1,890 S.F.

666 S.F.

312 S.F.

9,953 S.F

895 S.F

152 S.F

128 S.F.

12 S.F.

114 S.F.

52 S.F.

= 4.6%

458 S.F

4,963 S.F.

4,437 S.F.

4,478 S.F.

4,693 S.F.

3,981 S.F. = 40%

8005 SE 34TH PLACE

PARCEL #

445830-0240

LOT AREA:

DRIVEWAY AREA:

MAX. AREA ALLOWED:

LOT AREA:

MAIN FLOOR:

UPPER FLOOR:

LESS THAN 160:

MINUS STAIRS W/CLG

EXEMPT BSMT AREA:

TOTAL NET GFA:

% OF LOT AREA:

ALLOWED GFA:

MAIN FLOOR:

GARAGE:

UPPER FLOOR:

COY'D AREA:

LOT AREA:

2. WALKWAY:

TOTAL FIRE AREA:

(9% OF LOT AREA):

HARDSCAPE AREA

4. EXIST. ROCKERY

5. NEW ROCKERY:

TOTAL AREA =

% OF LOT AREA =

I. UNCOVERED DECK:

3. EXIST. RETAINING WALL:

ALLOWED HARDSCAPE AREA

ADU:

TOTAL AREA:

18915 142ND AVE NE SUITE 100 EM: MARCUS@ARCHITECTSNW.COM

MERCER ISLAND, WA 98040 EM: jon@friedmanhomes.net

STRUCTURAL ENGINEER

PITZER & ASSOCIATES, PLLC MARYSVILLE, WA 98270 / PH: 425-308-8070 EMAIL: TOMMYT42K@HOTMAIL.COM

LEGAL DESCRIPTION

LOT 24, LUCAS HILL DIVISION NO. 5 ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 61 OF PLATS, PAGE 100, RECORDS OF KING COUNTY,

SITUATE IN THE CITY OF MERCER ISLAND, COUNTY OF KING, STATE OF WASHINGTON.

176.60' LOWEST ELEV. PT. OF LOT 157.80' ELEVATION DIFFERENCE: 18.80' BETWEEN HIGH/LOW POINTS: 140.00' 13.43%

WALL SEGMENT	WALL *	MIDPOINT =	PRODUCT
Α	20.50	170.60	3497.30
В	12.50	170.60	2132.50
С	38.50	169.20	6514.20
D	18.50	166.50	3080.25
E	2.00	166.30	332.60
F	18.50	167.00	3089.50
G	12.00	167.40	2008.80
Н	1.50	167.50	251.25
I	13.50	167.70	2263.95
J	2.50	167.90	419.75
K	11.50	168.20	1934.30
L	0.50	168.70	84.35
M	20.00	165.80	3316.00
N	2.00	165.80	331.60
0	11.00	165.90	1824.90
P	20.50	168.40	3452.20
Q	11.00	169.00	1859.00
R	30.50	170.00	5185.00
TOTALS:	247.00	3022.50	41577.45

AVERAGE BLDG ELEV = TOTAL PRODUCTS/ TOTAL WALL LENGTHS:

44E77 E /	247.00 -	460.22	AVC BLDC ELEV	ſ
41577.5 /	247.00 =	168.33	AVG. BLDG ELEV	ı
MAX HT. ALLOWABLE =	+	30.00		l
MAX ELEVATION @ RIDGE =		198.33	•	l
PROPOSED RIDGE ELEVATI	ON = -	193.16		l
PROPOSED RIDGE =	•	5.17	BELOW HT. LIMIT	l

NOTE: REFER TO ELEVATIONS ON SHEET AIO IN ARCHITECURAL PLANS FOR HEIGHT CALC. DIMENSIONS

SIF

N ~ O

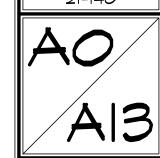
NTS

M2545B3F

2013 DRAWN BY:

JRA MARCUS JENKINS REVISED BY: BPS BPS 4/25/19 8/19/19 BPS |0/2/19 BPS |2/27/21 BPS A 4/21/22

PITZER 12/7/21 LATERAL JOB NUMBER: 21-140



INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT A

CLIMATE ZONE	5 \$ MARINE 4
FENESTRATION U-FACTOR B	0.30
SKYLIGHT B U-FACTOR	0.50
CEILING R-VALUE E	49
MOOD ERAME MALL GH R VALUE	01.15

| MOOD FRAME WALL "" R-VALUE FLOOR R-VALUE 30 BELOW GRADE ^{CH} WALL R-VALUE 10/15/21 INT + 5TB SLAB^{D,F} R-VALUE & DEPTH 10, 2 FT.

TABLE R402.I.I FOOTNOTES

FOR SI: I FOOT = 304.8 MM, CI = CONTINUOUS INSULATION, INT. = INTERMEDIATE FRAMING

A R-VALUES ARE MINIMUMS. U-FACTORS AND SHGC ARE MAXIMUMS. WHEN INSULATION IS INSTALLED IN A CAVITY WHICH IS LESS THAN THE LABEL OR DESIGN THICKNESS OF THE INSULATION, THE COMPRESSED R-VALUE OF THE INSULATION FROM APPENDIX TABLE AIOI.4 SHALL NOT BE LESS THAN THE R-VALUE SPECIFIED IN THE TABLE.

B THE FENESTRATION U-FACTOR COLUMN EXCLUDES SKYLIGHTS

 $^{\circ}$ "IO/I5/2I +5TB" MEANS R-IO CONTINUOUS INSULATION ON THE EXTERIOR OF THE WALL, OR R-I5 CONTINUOUS INSULATION ON THE INTERIOR OF THE WALL, OR R-21 CAVITY INSULATION PLUS A THERMAL BREAK BETWEEN THE SLAB AND THE BASEMENT WALL AT THE INTERIOR OF THE BASEMENT WALL. "10/15/21 +5TB" SHALL BE PERMITTED TO BE MET WITH R-13 CAVITY INSULATION ON THE INTERIOR OF THE BASEMENT WALL PLUS R-5 CONTINUOUS INSULATION ON THE INTERIOR OR EXTERIOR OF THE WALL. "5TB" MEANS R-5 THERMAL BREAK BETWEEN FLOOR SLAB AND BASEMENT WALL.

PR-10 CONTINUOUS INSULATION IS REQUIRED UNDER HEATED SLAB ON GRADE FLOORS. SEE R402.2.9.I.

FOR SINGLE RAFTER- OR JOIST- VAULTED CEILINGS, THE INSULATION MAY BE REDUCED TO R-38 IF THE FULL INSULATION DEPTH EXTENDS OVER THE TOP PLATE OF THE EXTERIOR WALL.

FR-7.5 CONTINUOUS INSULATION INSTALLED OVER AN EXISTING SLAB IS DEEMED TO BE EQUIVALENT TO THE REQUIRED PERIMETER SLAB INSULATION WHEN APPLIED TO EXISTING SLABS COMPLYING WITH SECTION R503.I.I. IF FOAM PLASTIC IS USED, IT SHALL MEET THE REQUIREMENTS FOR THE THERMAL BARRIERS PROTECTING FOAM PLASTICS.

⁶ FOR LOG STRUCTURES DEVELOPED IN COMPLIANCE WITH STANDARD ICC 400, LOG WALLS SHALL MEET THE REQUIREMENTS FOR CLIMATE ZONE 5 OF ICC 400.

"INT. (INTERMEDIATE FRAMING) DENOTES FRAMING AND INSULATION AS DESCRIBED IN SECTION AIO3.2.2 INCLUDING STANDARD FRAMING I6 INCHES ON CENTER, 78 PERCENT OF THE WALL CAVITY INSULATED AND HEADERS INSULATED WITH A MINIMUM OF R-10 INSULATION.

- I. A CERTIFICATE COMPLYING WITH 2018 MSEC R401.3 IS REQUIRED TO BE COMPLETED BY THE BUILDER OR APPROVED PARTY AND PERMANENTLY POSTED.
- 2. AT LEAST ONE THERMOSTAT SHALL BE PROVIDED FOR EACH SEPARATE HEATING AND COOLING SYSTEM.
- 3. NOT LESS THAN 90 PERCENT OF LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS.

WHOLE HOUSE VENTILATION

VENTILATION QUALITY ADJUSTMENT PER EQUATION 15-2 (MI505.4.3.1)

EXTRAPOLATION BEYOND THE TABLE IS PROHIBITED.

WHOLE HOUSE VENTILATION SYSTEM TO BE DESIGNED PER WSBC AMENDMENTS TO 2018 IRC SECTION MI505.4.4.

SEE "WHOLE HOUSE VENTILATION" ON THE SCHEDULE SHEET FOR SELECTED OPTION.

WHOLE-HOUSE MECHANICAL VENTILATION AIRFLOW RATE PER EQUATION 15-1 (MI505.4.3)

IRC TABLE MI505.4.3(2)

INTERMITTENT WHOLE-HOUSE MECHANICAL VENTILATION RATE FACTORS AB RUN TIME PERCENTAGE IN EACH 50% | 66% | 75% | 100% 4-HOUR SEGMENT FACTOR 2 | 1.5 | 1.3 | 1.0

A. FOR VENTILATION SYSTEM RUN TIME VALUES BETWEEN THOSE GIVEN, THE FACTORS ARE PERMITTED TO BE DETERMINED BY INTERPOLATION.

MECHANICAL

GENERAL

SOLID FUEL BURNING APPLIANCES INCLUDE AIRTIGHT STOVES, FIREPLACE STOVES, ROOM HEATERS, FACTORY BUILT FIREPLACES AND FIREPLACE INSERTS. ALL SOLID FUEL BURNING APPLIANCES SHALL COMPLY WITH THE PROVISIONS OF I.R.C. RIOO6

HEATING

EACH DWELLING UNIT SHALL BE PROVIDED WITH HEATING FACILITIES CAPABLE OF MAINTAINING A TEMPERATURE OF 68 DEGREES FAHRENHEIT AT A HEIGHT OF 3'-O" ABOVE THE FLOOR AND TWO FEET FROM EXTERIOR WALLS IN ALL HABITABLE ROOMS WHEN THE OUTSIDE TEMPERATURE IS AS SET FORTH IN THE 2018 W.S.E.C.

DEFINITION OF BUILDING THERMAL ENVELOPE FROM THE 2018 WASHINGTON STATE ENERGY CODE:

- THE BELOW-GRADE WALLS, ABOVE-GRADE WALLS, FLOORS, CEILINGS, ROOF, AND ANY OTHER BUILDING ELEMENT ASSEMBLIES THAT ENCLOSE CONDITIONED SPACE OR PROVIDES A BOUNDARY BETWEEN CONDITIONED SPACE AND EXEMPT OR UNCONDITIONED SPACE.
- FUEL BURNING APPLIANCES LOCATED WITHIN THE BUILDING ENVELOPE SHALL OBTAIN AIR FROM OUTDOORS, MEETING THE PROVISIONS OF IRC 62407
- 2. FUEL BURNING APPLIANCES LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL MEET THE PROVISIONS OF CHAPTER 24 OF THE 2018 IRC.
- DUCTMORK LOCATION SHALL MEET THE PROVISIONS OF CHAPTER 24 OF THE 2018 IRC. 4. COMBUSTION AIR TO MEET THE REQUIREMENTS OF I.R.C. MITOI.I

ALL WARM AIR FURNACES SHALL BE LISTED AND LABELED BY AN APPROVED AGENCY PER CHAPTER MISO2 OF THE 2018 IRC.

NO WARM AIR FURNACE SHALL BE INSTALLED IN A ROOM USED OR DESIGNED TO BE USED AS A BEDROOM, BATHROOM, CLOSET OR IN ANY ENCLOSED SPACE WITH ACCESS ONLY THROUGH SUCH ROOM OR SPACE, EXCEPT PER EXCEPTIONS IN IRC 62406.2

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

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

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

EVERY APPLIANCE DESIGNED TO BE VENTED SHALL BE CONNECTED TO A VENTING SYSTEM COMPLYING WITH CHAPTER IS OF THE 2018 IRC.

EVERY FACTORY BUILT CHIMNEY, TYPE L VENT, TYPE B GAS VENT OR TYPE BW GAS VENT SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF ITS LISTING, MANUFACTURERS INSTALLATION INSTRUCTIONS AND THE REQUIREMENTS PER CHAPTER 24 OF THE 2018 IRC.

A TYPE B OR BM GAS VENT SHALL TERMINATE PER CHAPTER 24 OF THE 2018 IRC.

VENT CONNECTORS SHALL BE INSTALLED WITHIN THE SPACE OR AREA IN WHICH THE APPLIANCE IS LOCATED AND SHALL BE CONNECTED TO A CHIMNEY OR VENT IN SUCH A MANNER AS TO MAINTAIN THE CLEARANCE TO COMBUSTIBLES PER SECTION MISOS OF THE 2018 IRC.

HEATING EQUIPMENT

ALL HEATING EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE NATIONAL APPLIANCE ENERGY CONSERVATION ACT (NAECA) AND BE SO LABELED. EQUIPMENT SHALL ALSO COMPLY WITH SECTION MI4II OF THE 2018 IRC

<u>DUCTMORK</u>

- DUCT SYSTEMS OR FACTORY BUILT AIR DUCTS SHALL BE OF METAL AS SET FORTH BY TABLE 1601.1.1 OF THE 2018 IRC.
- RECTANGULAR, FLAT, OVAL AND ROUND DUCT JOINTS AND SEAMS SHALL BE AIRTIGHT PER SECTION MIGOI.4.1 OF THE 2018 IRC.
- INSTALLATION OF DUCTS SHALL COMPLY WITH SECTION MIGOI.4 OF THE 2018 IRC. DUCT INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH SECTION MIGOI.3 OF THE 2018
- 5. FINAL DUCT LEAKAGE AFFIDAVIT IS TO BE PROVIDED TO THE BUILDING INSPECTOR PRIOR TO FINAL INSPECTION. DUCT LEAKAGE AND SEALING REQUIREMENTS IN 2018 M.S.E.C.
- 6. DUCTS INSULATAED TO A MINIMUM R-8 INSULATION IN UNCONDITIONED SPACES PER M.S.E.C. SECTION R403.3.1

CARPENTRY

SECTION R403.3.2 TO BE MET.

GENERAL

ALL FRAMING SHALL COMPLY WITH THE APPLICABLE SECTION(S) OF THE 2018 IBC/IRC. PRESSURE TREATED WOOD REQUIRED IN LOCATIONS LISTED IN IRC RSI7.I

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

12" MINIMUM CLEARANCE BETWEEN FLOOR BEAMS AND EARTH. 18" MINIMUM CLEARANCE BETWEEN FLOOR JOISTS AND EARTH.

<u>LOADING</u>

15 PSF DEAD LOAD 25 PSF LIVE LOAD 40 PSF FLOOR TRUSSES 15 PSF DEAD LOAD 40 PSF LIVE LOAD 55 PSF FLOOR IO PSF DEAD LOAD 40 PSF LIVE LOAD 50 PSF CEILING 5 PSF DEAD LOAD IO PSF LIVE LOAD 15 PSF DECK IO PSF DEAD LOAD 60 PSF LIVE LOAD 70 PSF INTERIOR PARTITION 7 PSF EXTERIOR PARTITION 10 PSF

WOOD BEARING ON OR INSTALLED WITHIN 1/2" OF MASONRY OR CONCRETE TO BE TREATED WITH AN APPROVED PRESERVATIVE. SOLID BLOCKING OF NOT LESS THAN 2x THICKNESS SHALL BE PROVIDED AT ENDS AND AT ALL SUPPORT OF JOISTS AND RAFTERS. ANCHOR BOLTS TO BE PER SHEAR WALL SCHEDULE AND FOUNDATION PLAN. 7" MINIMUM EMBEDMENT. ALL METAL FRAMING ANCHORS AND HANGERS SHOWN ON DRAWINGS SHALL BE STRONG TIE CONNECTORS AS MANUFACTURED BY SIMPSON COMPANY.

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

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

PROVIDE FIREBLOCKING AT OTHER LOCATIONS PER 2018 IRC R302.II.

INSULATION & MOISTURE PROTECTION GENERAL

GENERAL

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

INFILTRATION CONTROL

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

PIPING FOR HOT WATER / STEAM SYSTEMS OF PIPING FOR CONTINUOUSLY CIRCULATING HOT WATER SERVICE IS REQUIRED TO BE INSULATED PER THE W.S.E.C. HOT WATER PIPING SHALL BE INSULATED TO A MINIMUM OF R-3 PER W.S.E.C. R403.5.3. MECHANICAL SYSTEM PIPING SHALL BE INSULATED TO A MINIMUM R-6 PER W.S.E.C. R403.4

VAPOR BARRIERS / GROUND COVERS

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

VAPOR RETARDERS AT WALLS PER IRC R702.7

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.

PLANS COMPLY WITH THE 2018 INTERNATIONAL RESIDENTIAL CODE.

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

CODES:

- ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION SHALL BE FOLLOWED 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) WITH WASHINGTON STATE AMENDMENTS (MSA) EXCEPT CHAPTERS II AND 25 THROUGH 42 ARE NOT ADOPTED. APPENDICES F.Q., \$ U ARE ADOPTED.
- 2. 2018 INTERNATIONAL BUILDING CODE (IBC) WITH WASHINGTON STATE AMENDMENTS (WSA) 3. 2018 INTERNATIONAL MECHANICAL CODE (IMC) WITH WASHINGTON STATE AMENDMENTS
- 4. 2018 UNIFORM PLUMBING CODE (UPC) WITH WASHINGTON STATE AMENDMENTS. 2018 INTERNATIONAL FIRE CODE WITH WASHINGTON STATE AMENDMENTS.
- 2018 WASHINGTON STATE ENERGY CODE, RESIDENTIAL PROVISIONS (WSEC).

LOCAL JURISDICTION REQUIRES MYES! DWELLING UNIT FIRE SPRINKLER SYSTEM PER EITHER NFPA ISD OR I.R.C. P2904

SITE WORK

GENERAL

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

CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

	MIND DESIGN						GE FROM	ICE BARRIER					
GROUND SNOW LOAD	SPEED (MPH)	TOPO- GRAPHIC EFFECTS	SPECIAL WIND REGION	WIND-BORNE DEBRIS ZONE	SEISMIC DESIGN CATEGORY	WEATHERING	FROST LINE DEPTH	TERMITE	WINTER DESIGN TEMP	UNDER-	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
25 psf	10				D2	MODERATE	12"	SLIGHT TO MODERATE		NO	N/A	II3	53°F
			EQUIVALE	ENT FLUID F	PRESSU			JNRESTRA (RESTRA					

SHEET INDEX

DOORS, MINDOWS AND SKYLIGHTS

GENERAL

THE REQUIRED EGRESS DOOR MAY HAVE A MAXIMUM 7 3/1 STEP ON THE EXTERIOR SIDE FROM TOP OF THE THRESHOLD TO A MINIMUM 36" DEEP LANDING ON THE EXTERIOR SIDE OF THE DOOR. PROVIDED THE DOOR DOES NOT SWING OVER THE LANDING, PER RSII.3.1 OTHER EXTERIOR DOORS MAY HAVE A MAXIMUM (2) 7 3/4" STEPS TO A MIN. 36" DEEP LANDING. ALL GLAZING SHALL MEET THE REQUIREMENTS OF THE 2018 W.S.E.C. TABLE R402.1.1 UNLESS NOTED OTHERWISE. ALL SKYLIGHTS AND SKYWALLS SHALL HAVE LAMINATED GLASS UNLESS NOTED OTHERWISE. ALL BEDROOM EMERGENCY EGRESS WINDOWS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET. MINIMUM NET CLEAR OPERABLE WIDTH OF 20" AND A MINIMUM NET CLEAR OPENING HEIGHT OF 24", MAXIMUM SILL HEIGHT OF 44" MEASURED FROM THE FINISHED FLOOR TO THE BOTTOM OF THE CLEAR OPENING. OPERABLE WINDOWS WITH A SILL OF MORE THAN 72" ABOVE FINISHED THE GRADE OR SURFACE BELOW, TO BE A MINIMUM OF 24" ABOVE ADJACENT FINISHED FLOOR.

SAFETY GLAZING LOCATIONS PER 2018 IRC SECTION R308.4 GLAZING IN ALL FIXED AND OPERABLE PANELS OF SWINGING, SLIDING AND BI-FOLD R308.4.1

- R308.4.2 GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR \$ THE GLAZING IS EITHER WITHIN 24 INCHES OF EITHER SIDE OF THE DOOR IN THE PLANE OF THE DOOR IN A CLOSED POSITION OR ON A WALL LESS THAN 180 DEGREES
- HINGE SIDE OF AN IN-SWINGING DOOR. R308.4.3 GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
 - I. THE EXPOSED AREA OF AN INDIVIDUAL PANEL IS LARGER THAN 9 SQUARE FEET; 2. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18" ABOVE THE FLOOR; 3. THE TOP EDGE OF THE GLAZING IS MORE THAN 36" ABOVE THE FLOOR; AND 4. ONE OR MORE WALKING SURFACES ARE WITHIN 36" MEASURED HORIZONTALLY
- AND IN A STRAIGHT LINE, OF THE GLAZING. GLAZING IN GUARDS AND RAILINGS, INCLUDING STRUCTURAL BALUSTER PANELS AND NONSTRUCTURAL IN-FILL PANELS, REGARDLESS OF AREA OR HEIGHT ABOVE A
- WALKING SURFACE. R308.4.5 GLAZING IN 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 OF THE GLAZING IS LESS THAN 60 INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR
- WALKING SURFACE. GLAZING WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 36 R308.4.6 INCHES (914 MM) ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAYS, LANDINGS BETWEEN FLIGHTS OF STAIRS AND RAMPS.
 - GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF A STAIRWAY WHERE THE GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 60" HORIZONTAL ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING.

FOR EXCEPTIONS SEE IRC SECTION R308.4

SHEET # DESCRIPTION SITE SITE PLAN ARCHITECTURAL COVERSHEET SCHEDULE SHEET DETAIL SHEET FOUNDATION PLAN MAIN FLOOR FRAMING PLAN MAIN FLOOR PLAN UPPER FLOOR FRAMING PLAN A7 FROM THE PLANE OF THE DOOR IN A CLOSED POSITION & WITHIN 24 INCHES OF THE UPPER FLOOR PLAN ROOF FRAMING PLAN EXTERIOR ELEVATIONS EXTERIOR ELEVATIONS BUILDING SECTIONS BUILDING SECTIONS STRUCTURAL LATERAL - STRUCT. NOTES, SCHEDULES & DETAILS FROM ENG LATERAL - STRUCT. NOTES, SCHEDULES & DETAILS FROM ENG 52 LATERAL - SHEAR WALLS & HARDARE

CONS CONS ROM ITED -EPROI S OF T WR'

PAYMI NORTH EACH THESE WITH F METHO VARIA FROM PROHI FORTH

SIE

m m 2

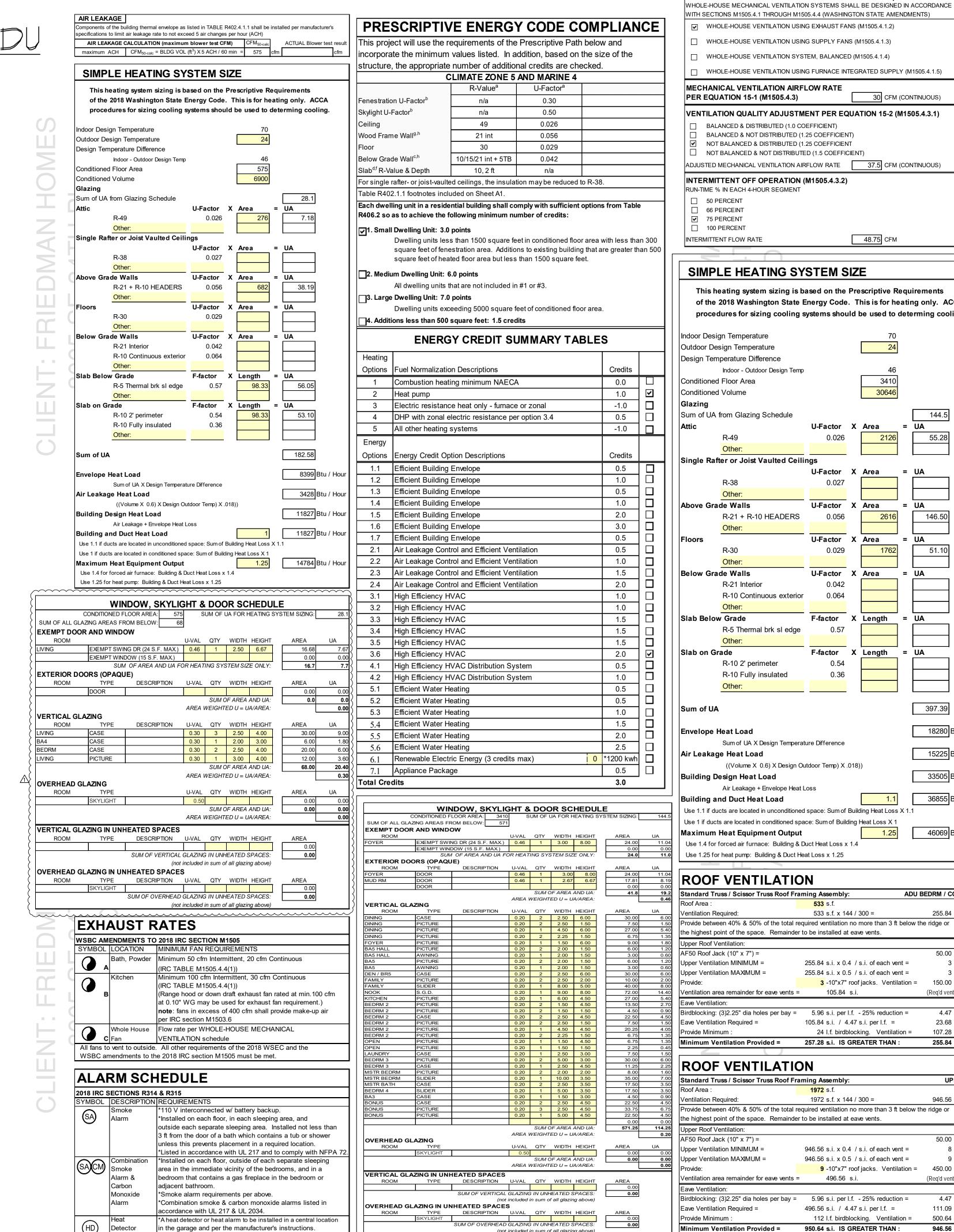
DESIGNED BY 2013 DRAWN BY: 8/11/14

JRA PROJECT MANAGER: MARCUS JENKINS REVISED BY: BPS 4/25/19 BPS 8/19/19 BPS 10/2/19 BPS 12/27/21 BPS 1 4/21/22

LATERAL BY: PITZER 12/7/21 LATERAL JOB NUMBER: 21-140

ANW JOB NUMBER:

210248



(WSBC amendments R314.2.1 & R314.2.3)

VITH SECTIONS M1505.4.1 THROUGH M1505.4.4 (WASHINGTON STATE AMENDMENTS) WHOLE-HOUSE VENTILATION USING EXHAUST FANS (M1505.4.1.2)

WHOLE-HOUSE VENTILATION USING SUPPLY FANS (M1505.4.1.3)

WHOLE-HOUSE VENTILATION SYSTEM, BALANCED (M1505.4.1.4)

WHOLE-HOUSE VENTILATION USING FURNACE INTEGRATED SUPPLY (M1505.4.1.5)

WHOLE-HOUSE MECHANICAL VENTILATION (PRESCRIPTIVE)

PER EQUATION 15-1 (M1505.4.3) 30 CFM (CONTINUOUS) VENTILATION QUALITY ADJUSTMENT PER EQUATION 15-2 (M1505.4.3.1)

BALANCED & DISTRIBUTED (1.0 COEFFICIENT) BALANCED & NOT DISTRIBUTED (1.25 COFFEIGIENT)

NOT BALANCED & DISTRIBUTED (1.25 COEFFICIENT NOT BALANCED & NOT DISTRIBUTED (1.5 COEFFICIENT)

ADJUSTED MECHANICAL VENTILATION AIRFLOW RATE 37.5 CFM (CONTINUOUS)

INTERMITTENT OFF OPERATION (M1505.4.3.2)

50 PERCENT

66 PERCEINT

☐ 100 PERCENT

INTERMITTENT FLOW RATE

SIMPLE HEATING SYSTEM SIZE

This heating system sizing is based on the Prescriptive Requirements of the 2018 Washington State Energy Code. This is for heating only. ACCA procedures for sizing cooling systems should be used to determing cooling.

48.75 CFM

Outdoor Design Temperature Design Temperature Difference Indoor - Outdoor Design Temp 3410 Conditioned Floor Area 30646 Conditioned Volume Sum of UA from Glazing Schedule

U-Factor X Area = UA 0.026 2126 55.28 Single Rafter or Joist Vaulted Ceilings U-Factor X Area

Above Grade Walls U-Factor X Area R-21 + R-10 HEADERS 0.056 2616 U-Factor X Area 0.029 R-30 1762 51.1 **Below Grade Walls** U-Factor X Area = UA

R-21 Interior 0.042 R-10 Continuous exterior 0.064 F-factor X Length = UA Slab Below Grade R-5 Thermal brk sl edge F-factor X Length = UA 0.54 R-10 2' perimeter R-10 Fully insulated 0.36

Envelope Heat Load

Sum of UA X Design Temperature Difference 15225 Btu / Hou Air Leakage Heat Load ((Volume X 0.6) X Design Outdoor Temp) X .018)) 33505 Btu / Hour **Building Design Heat Load** Air Leakage + Envelope Heat Loss

36855 Btu / Hou Building and Duct Heat Load Use 1.1 if ducts are located in unconditioned space: Sum of Building Heat Loss X 1.1 Use 1 if ducts are located in conditioned space: Sum of Building Heat Loss X 1 46069 Btu / Hou Maximum Heat Equipment Output 1.25

397.39

18280 Btu / Hour

Use 1.4 for forced air furnace: Building & Duct Heat Loss x 1.4 Use 1.25 for heat pump: Building & Duct Heat Loss x 1.25

Standard Truss / Scissor Truss Roof Framing Assembly: ADU BEDRM / COV'D DECK **533** s.f. 533 s.f. x 144 / 300 = Provide between 40% & 50% of the total required ventilation no more than 3 ft below the ridge or the highest point of the space. Remainder to be installed at eave vents Jpper Roof Ventilation AF50 Roof Jack (10" x 7") = 50.00 s.i. eacl Upper Ventilation MINIMUM : 255.84 s.i. x 0.4 / s.i. of each vent = 3 vents 255.84 s.i. x 0.5 / s.i. of each vent = 3 vents **3** -10"x7" roof jacks. Ventilation = 150.00 s.i. 105.84 s.i. Ventilation area remainder for eave vents = (Rea'd vent-Upper v 5.96 s.i. per l.f. - 25% reduction = Birdblocking: (3)2.25" dia holes per bay = 105.84 s.i. / 4.47 s.i. per l.f. = 23.68 l.f. Eave Ventilation Required = 24 l.f. birdblocking. Ventilation = 107.28 s.i.

ROOF VENTILATION	ON	
Standard Truss / Scissor Truss Roof Fra	ming Assembly:	UPPER ROO
Roof Area :	1972 s.f.	
Ventilation Required:	1972 s.f. x 144 / 300 =	946.56 s.i. Req'd
Provide between 40% & 50% of the total re	equired ventilation no more than 3 ft below th	e ridge or
the highest point of the space. Remainder	to be installed at eave vents.	
Upper Roof Ventilation:		
AF50 Roof Jack (10" x 7") =		50.00 s.i. each.
Upper Ventilation MINIMUM =	946.56 s.i. x 0.4 / s.i. of each vent =	8 vents
	946.56 s.i. x 0.5 / s.i. of each vent =	9 vents
Upper Ventilation MAXIMUM =		
Upper Ventilation MAXIMUM = Provide:	9 -10"x7" roof jacks. Ventilation =	450.00 s.i.

496.56 s.i. / 4.47 s.i. per l.f. =

950.64 s.i. IS GREATER THAN

112 l.f. birdblocking. Ventilation =

111.09 l.f.

500.64 s.i.

946.56 s.i. Req'd

7.1 Appliance Package

Total Credits



ROOF VENTILATION Standard Truss / Scissor Truss Roof Framing Assembly ENTRY / BAS Ventilation Required: 162 s.f. x 144 / 300 = 77.76 s.i. Req'd Provide between 40% & 50% of the total required ventilation no more than 3 ft below the ridge or the highest point of the space. Remainder to be installed at eave vents. Upper Roof Ventilation AF50 Roof Jack (10" x 7") = 50.00 s.i. each 77.76 s.i. x 0.4 / s.i. of each vent = Upper Ventilation MINIMUM = 1 vent Upper Ventilation MAXIMUM = 77.76 s.i. x 0.5 / s.i. of each vent = 1 vent 1 -10"x7" roof jacks. Ventilation = 50.00 s.i. Ventilation area remainder for eave vents = 27.76 s.i. (Reg'd vent.-Upper ver Birdblocking: (3)2.25" dia holes per bay = 5.96 s.i. per l.f. - 25% reduction = Eave Ventilation Required = 27.76 s.i. / 4.47 s.i. per l.f. = 7 l.f. birdblocking. Ventilation = 31.29 s.i. Provide Minimum 81.29 s.i. IS GREATER THAN:

ROOF VENTILATION Standard Truss / Scissor Truss Roof Framing Assembly GARAG Roof Area Ventilation Required: 362 s.f. x 144 / 300 = 173.76 s.i. Req'd Provide between 40% & 50% of the total required ventilation no more than 3 ft below the ridge or the highest point of the space. Remainder to be installed at eave vents. Upper Roof Ventilation: AF50 Roof Jack (10" x 7") = Upper Ventilation MINIMUM : 173.76 s.i. x 0.4 / s.i. of each vent = 2 vents Upper Ventilation MAXIMUM : 173.76 s.i. x 0.5 / s.i. of each vent = 2 vents 2 -10"x7" roof jacks. Ventilation = 100.00 s.i. Ventilation area remainder for eave vents = 73.76 s.i. Fave Ventilation Birdblocking: (3)2.25" dia holes per bay = 5.96 s.i. per l.f. - 25% reduction = 73.76 s.i. / 4.47 s.i. per l.f. = 16.50 l.f. 17 l.f. birdblocking. Ventilation = 75.99 s.i. 175.99 s.i. IS GREATER THAN: 173.76 s.i. Req'd Minimum Ventilation Provided =

PRESCRIPTIVE ENERGY CODE COMPLIANCE This project will use the requirements of the Prescriptive Path below and incorporate the minimum values listed. In addition, based on the size of the

structure, the appropriate number of additional credits are checked. **CLIMATE ZONE 5 AND MARINE 4** R-Value^a U-Factor^a Fenestration U-Factor 0.30 .20 w/option 1.2 Skylight U-Factor^b n/a 0.50 0.026 Ceiling 49 Wood Frame Wall^{g,h} 0.056 21 int 0.029 30 0.042 Below Grade Wallc,h 10/15/21 int + 5TB Slab^{d,f} R-Value & Depth 10, 2 ft n/a For single rafter- or joist-vaulted ceilings, the insulation may be reduced to R-38.

Table R402.1.1 footnotes included on Sheet A1. Each dwelling unit in a residential building shall comply with sufficient options from Table R406.2 so as to achieve the following minimum number of credits:

☐1. Small Dwelling Unit: 3.0 points

Dwelling units less than 1500 square feet in conditioned floor area with less than 300 square feet of fenestration area. Additions to existing building that are greater than 500 square feet of heated floor area but less than 1500 square feet.

☑2. Medium Dwelling Unit: 6.0 points

All dwelling units that are not included in #1 or #3. ☐3. Large Dwelling Unit: 7.0 points

Dwelling units exceeding 5000 square feet of conditioned floor area. ☐4. Additions less than 500 square feet: 1.5 credits

ENERGY CREDIT SUMMARY TABLES

Credits Options | Fuel Normalization Descriptions 1 Combustion heating minimum NAECA 0.0 1.0 2 Heat pump 3 Electric resistance heat only - furnace or zonal -1.0 4 DHP with zonal electric resistance per option 3.4 0.5 5 All other heating systems -1.0 Credits Options | Energy Credit Option Descriptions 1.1 Efficient Building Envelope 0.5 1.2 Efficient Building Envelope 1.0 1.3 Efficient Building Envelope 0.5 1.4 Efficient Building Envelope 1.0 1.5 Efficient Building Envelope 2.0

1.6 Efficient Building Envelope 3.0 1.7 Efficient Building Envelope 0.5 2.1 Air Leakage Control and Efficient Ventilation 0.5 2.2 Air Leakage Control and Efficient Ventilation 1.0 2.3 Air Leakage Control and Efficient Ventilation 1.5 2.4 Air Leakage Control and Efficient Ventilation 2.0 3.1 High Efficiency HVAC 1.0 3.2 High Efficiency HVAC 1.0 3.3 High Efficiency HVAC 1.5 3.4 High Efficiency HVAC 1.5 3.5 High Efficiency HVAC 1.5 3.6 High Efficiency HVAC 2.0 4.1 High Efficiency HVAC Distribution System 0.5 4.2 High Efficiency HVAC Distribution System 1.0 0.5 5.1 Efficient Water Heating 0.5 5.2 Efficient Water Heating 5.3 Efficient Water Heating 1.0 5.4 Efficient Water Heating 1.5 5.5 Efficient Water Heating 2.0 2.5 5.6 Efficient Water Heating 0 *1200 kwh 6.1 Renewable Electric Energy (3 credits max)

0.5

6.0

ENERGY CREDIT NOTES:

FUEL NORMALIZATION

2 - HEAT PUMP

ENERGY CREDITS

1.2 - VERTICAL FENESTRATION U=0.20

2.1 - 3 AIR CHANGES PER HOUR MAXIMUM

3.5 - AIR-SOURCE CENTRALLY DUCTED HEAT PUMP WITH MIN. HSPF OF II.O

5.5 - ELECTRIC HEAT PUMP WATER HEATER

MEETING THE STANDARDS FOR TIER I OF NEEA

FOUNDATION VENTILATION

Crawlspace Area: Ventilation Required: 1464 s.f. / 300 = 702.72 s.i. Req'd 14" x 7" Foundation Vents 98 s.i. - 25% reduct.,1/4"mesh = 73.5 s.i. Vent Area = Vents Required = 702.72 s.i. / Vent Area = 9.56 s.i. 14" x 7" Vents, Area = 735 s.i. Provide: Ventilation Provided = 735.00 s.i. is Greater than 702.72 s.i. Reg'd 14" x 7" **Foundation Vents**

* FOUNDATION VENTS SHALL NOT INTERFERE WITH DIRECT LOAD PATH OF COLUMNS INSTALL 6 MIL BLACK POLYETHYLENE VAPOR RETARDER GROUND COVER REQUIRED OPENINGS SHALL BE EVENLY PLACED TO PROVIDE CROSS VENTILATION, EXCEPT ONE SIDE OF THE BUILDING SHALL BE PERMITTED TO HAVE NO VENTS.

AIR LEAKAGE

CEILING

nponents of the building thermal envelope as listed in TABLE R402.4.1.1 shall be installed per manufacturer's ecifications to limit air leakage rate to not exceed 3 air changes per hour (ACH) AIR LEAKAGE CALCULATION (maximum blower test CFM)

CFM_{50-calc} ACTUAL Blower test resu maximum ACH CFM_{50-calc} = BLDG VOL (ft³) X 3 ACH / 60 min = 1532

VAPOR RETARDER FLOOR FACE STAPLED BACKED BATTS X PLYWOOD W/ EXT. GLUE 4 MIL POLY FACE STAPLED BACKED BATTS 4 MIL POLY X CLASS 2 PVA PRIMER X FACE STAPLED BACKED BATTS RIM JOIST 4 MIL POLY CLASS 2 PVA PRIMER

WHOLE-HOUSE MECHANICAL VENTILATION (PRESCRIPTIVE) WHOLE-HOUSE MECHANICAL VENTILATION SYSTEMS SHALL BE DESIGNED IN ACCORDANCE

FACE STAPLED BACKED BATTS

X CLASS 2 PVA PRIMER

WITH SECTIONS M1505.4.1 THROUGH M1505.4.4 (WASHINGTON STATE AMENDMENTS) ▼ WHOLE-HOUSE VENTILATION USING EXHAUST FANS (M1505.4.1.2)

WHOLE-HOUSE VENTILATION USING SUPPLY FANS (M1505.4.1.3)

4 MIL POLY

WHOLE-HOUSE VENTILATION SYSTEM, BALANCED (M1505.4.1.4)

WHOLE-HOUSE VENTILATION USING FURNACE INTEGRATED SUPPLY (M1505.4.1.5)

MECHANICAL VENTILATION AIRFLOW RATE 79.1 CFM (CONTINUOUS) PER EQUATION 15-1 (M1505.4.3)

VENTILATION QUALITY ADJUSTMENT PER EQUATION 15-2 (M1505.4.3.1) BALANCED & DISTRIBUTED (1.0 COEFFICIENT)

BALANCED & NOT DISTRIBUTED (1.25 COEFFICIENT) ▼ NOT BALANCED & DISTRIBUTED (1.25 COEFFICIENT NOT BALANCED & NOT DISTRIBUTED (1.5 COEFFICIENT)

ADJUSTED MECHANICAL VENTILATION AIRFLOW RATE 98.875 CFM (CONTINUOUS) **INTERMITTENT OFF OPERATION (M1505.4.3.2)**

RUN-TIME % IN EACH 4-HOUR SEGMENT

50 PERCENT 66 PERCEINT 75 PERCENT

☐ 100 PERCENT INTERMITTENT FLOW RATE

128.538 CFM

EXHAUST RATES WSBC AMENDMENTS TO 2018 IRC SECTION M1505 SYMBOL LOCATION | MINIMUM FAN REQUIREMENTS Bath, Powder | Minimum 50 cfm Intermittent, 20 cfm Continuous IRC TABLE M1505.4.4(1)) Minimum 100 cfm Intermittent, 30 cfm Continuous (IRC TABLE M1505.4.4(1))

(Range hood or down draft exhaust fan rated at min.100 cfm at 0.10" WG may be used for exhaust fan requirement.) note: fans in excess of 400 cfm shall provide make-up air per IRC section M1503.6 Whole House | Flow rate per WHOLE-HOUSE MECHANICAL

VENTILATION schedule All fans to vent to outside. All other requirements of the 2018 WSEC and the WSBC amendments to the 2018 IRC section M1505 must be met.

ALARM SCHEDULE
018 IRC SECTIONS R314 & R315

- I	ſ	SYMBOL	DESCRIPTION	REQUIREMENTS
-	ſ		Smoke	*110 V interconnected w/ battery backup.
ן נ		(SA)	Alarm	*Installed on each floor, in each sleeping area, and
J		•		outside each separate sleeping area. Installed not less tha
]				3 ft from the door of a bath which contains a tub or shower
]				unless this prevents placement in a required location.
ıl				*Listed in accordance with UL 217 and to comply with NFP
]	ſ	$\overline{\Omega}$	Combination	*Installed on each floor, outside of each separate sleeping
.		SAJCM	Smoke	area in the immediate vicinity of the bedrooms, and in a
J			Alarm &	bedroom that contains a gas fireplace in the bedroom or
]			Carbon	adjacent bathroom.
1			Monoxide	*Smoke alarm requirements per above.
ıl			Alarm	*Combination smoke & carbon monoxide alarms listed in
il				accordance with UL 217 & UL 2034.
;	ĺ		Heat	*A heat detector or heat alarm to be installed in a central location
J		(HD)	Detector	in the garage and per the manufacturer's instructions.

(WSBC amendments R314.2.1 & R314.2.3)



PAYMI NORTH EACH THESE WITH F METHO VARIATO FROM PROHI SIE

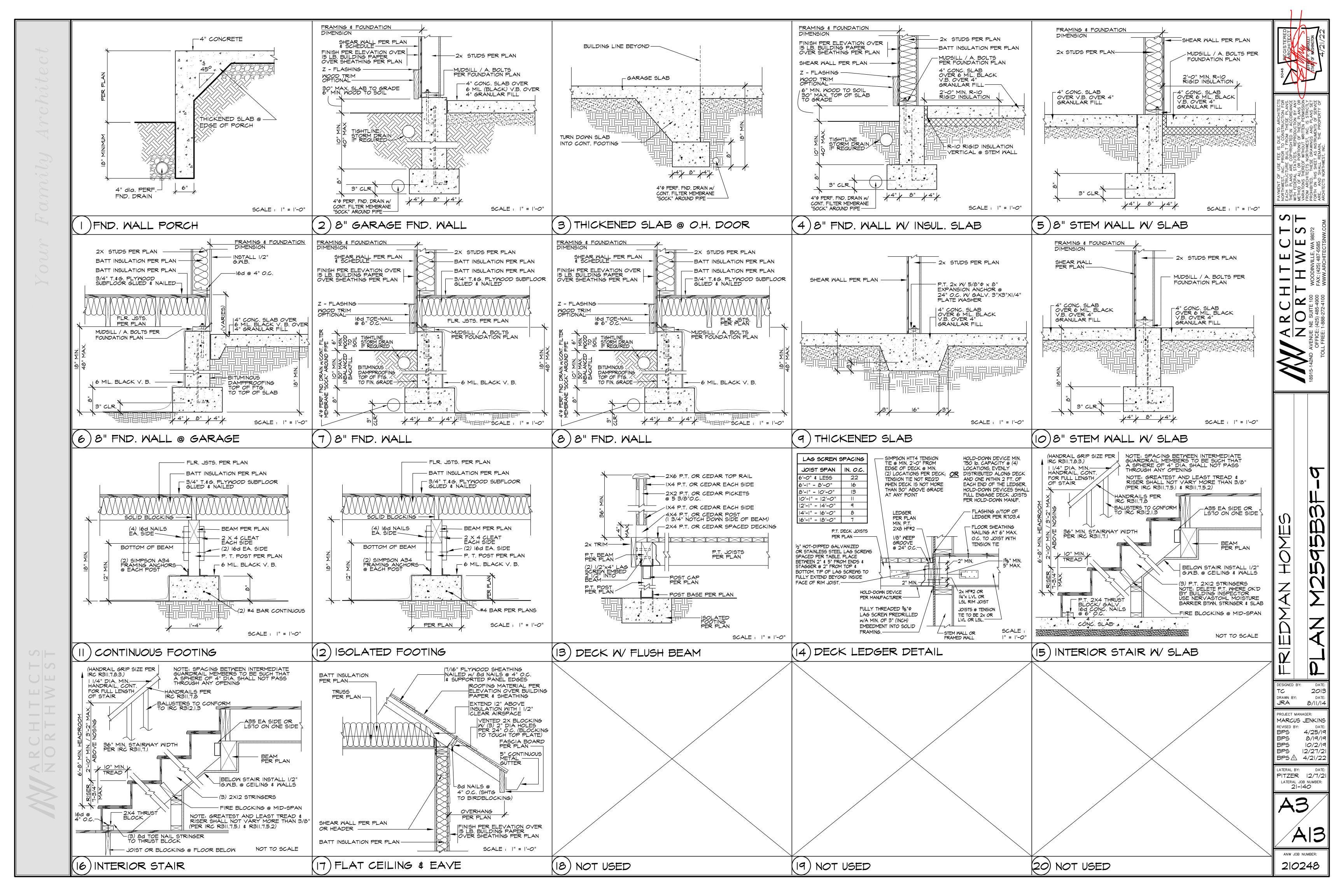
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DESIGNED BY DRAWN BY: JRA 8/11/14 4/25/19

MARCUS JENKINS REVISED BY: BPS 10/2/19 BPS BPS 1 4/21/22 LATERAL BY:

PITZER 12/7/21 LATERAL JOB NUMBER: 21-140 . 7





11'-0" 2'-0½" 5'-3" 5'-3" 6'-0" 6'-0" SIM 4 MIN. 2'-0" R-10 RIGID INSULATION TYPICAL @ PERIMETER WHERE GRADE IS LESS THAN 30" ABOVE SLAB 12'-6½" 12'-0" 1608 (TYP) 1"x14" SCREENED FOUNDATION VENTS 10'-6" (10) REQUIRED SLAB ON GRADE 4" CONC. 0/6 MIL 4'-0" 2'-0" (BLACK) V.B. o/ 4" GRANULAR FILL CRAWL SPACE 6 MIL (BLACK) V.B. 20'-0" 2410 1608 (TYP) | 1'-6" | 3'-0" 4'-6" 4'-2" 3'-10" MIN. 18"x24" CRAWL SPACE ACCESS INSULATE & W.S. 4'-0" 3'-6" 3'-6" 3'-6" 3'-6" 4'-0" SLAB ON GRADE 4" CONC. 0/6 MIL (BLACK) V.B. 0/ 4" GRANULAR FILL SLOPE 4" TO O.H. DOORS 1808 (I) A3 STUB OUT
#4 BAR 24"
@ I&" O.C. — ELEV SLAB = 0'-0" ELEV T.O.W. = 4'-0" - ELEV SLAB = 0'-0" ELEV T.O.W. = 4'-0" ELEV SLAB = 0'-0" ELEV T.O.M. = 4'-0" ---EDGE OF SLAB 1608 EDGE OF SLAB 4" CONC. 0/4" GRANULAR FILL THICKEN EDGE OF SLAB TYPICAL RIEDMAN S SE 34TH CONC. STEPS MERCER ISI 3'-0" 5'-0" 2'-6" 8'-3" R.O. |02" | 1'-102" 16'-3" R.O. 3'-0" 10'-6" 20'-0" 11'-0" 11'-6" 13'-6" 70'-0" OVERALL FOUNDATION PLAN

SCALE: 1/4" = 1'-0" 00 00 00 1

20'-5 1/2"

38'-6 1/2"

6'-0"

14'-0"

- 4x4 POSTS TYP. U.N.O.

3'-8"

3'-6"

24

7 A3

ARCHIT NORTH 1-888-27

1608

3'-8"

4'-6"

2'-0"

6'-0"

18 (TYP 7 PLACES)

> HOMES 98040 MER

FRIEDMAN HOMES PLAN

DESIGNED BY:
TC
DRAWN BY:
JRA

PROJECT MANAGER:

MARCUS JENKINS

REVISED BY: DATE:

BPS 4/25/19

BPS 8/19/19

BPS 10/2/19

BPS 12/27/21

BPS 14/21/22

LATERAL BY: DATE:
PITZER 12/7/21
LATERAL JOB NUMBER:
21-140

A4

AIS

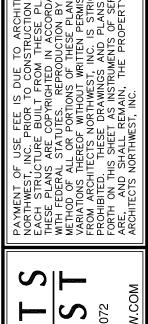
ANW JOB NUMBER:

210248

y: DATE: 2013 DATE: 8/11/14

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2013 DATE: 8/11/14 PROJECT MANAGER: PROJECT MANAGER:

MARCUS JENKINS

REVISED BY: DATE:

BPS 4/25/19

BPS 8/19/19

BPS 10/2/19

BPS 12/27/21

BPS 4/21/22

LATERAL BY: DATE:
PITZER 12/7/21
LATERAL JOB NUMBER:
21-140

A5 AIS



DETAIL A/A5 AT ADU

CEILINGS WITH HOUSE ABV.

1/2" (12.7 mm) ToughRock Fireguard C or 1/2" (12.7 mm) DensArmor Plus Fireguard C gypsum board applied perpendicular to resilient channels 24" (610 mm) o.c. with 1" (25 mm) Type S drywall screws 12" (305 mm) o.c. Gypsum board end joints located midway between continuous channels and attached to additional pieces of channels 60" (1524 mm) long with screws 12" (305 mm) o.c. Resilient channels applied perpendicular to 2" x 10" wood joists 16" (406 mm) o.c. with 2" (51 mm) 6d coated nails. Wood joists supporting 1" (25.4 mm) nominal wood subfloor and 1" (25.4 mm) nominal wood finish floor, or 19/32" (15.1 mm) plywood finished floor with long edges T&G and 15/32" (11.9 mm) interior plywood with exterior glue subfloor perpendicular to joist with joints staggered

Hourly Rating: 1-hour

STC Rating: 45-49 STC and 67 IIC w/C&P

Fire Test Reference: UL L502, ULC M501, cUL L502, GA FC 5250

Approved for Assembly:

ToughRock® Fireguard C® Products

DensArmor Plus® Fireguard C® Products

ADU WALL FIRE RATED ASSEMBLY
WOOD-FRAMED WALL

Resilient channels 24" o.c. attached horizontally on one side of 2" x 4" wood studs 24" o.c. with 1-1/4" Type S drywall screws. One layer 5/8" (15.9 mm) ToughRock® Fireguard X™ or 5/8" (15.9 mm) DensArmor Plus® FireGuard® interior panels applied horizontally to channels with 1" Type S drywall screws 8" o.c. with vertical joints located mid way between studs. 3" mineral or glass fiber insulation in stud space. Opposite side: one layer 5/8" (15.9 mm) ToughRock® Fireguard X™ Products or 5/8" (15.9 mm) DensArmor Plus FireGuard interior panels applied horizontally or vertically to studs with 6d cement coated nails, 1 7/8" long, 0.0915" shank, 15/64" heads, 7" o.c. Vertical joints staggered 24" on opposite sides. Sound Tested with 3-1/2" (89 mm) fiberglass insulation

Hourly Rating: 1-hour

STC Rating: 50-54 STC

Fire Test Reference: UL U309, cUL U309, GA WP 3243

Sound Test Reference: RAL TL77-138

Approved for Assembly:

DensArmor Plus® Fireguard C® Products DensArmor Plus® Fireguard® Products

DensElement™ Barrier Sheathing

DensGlass® Fireguard® Sheathing

DensShield® Fireguard® Tile Backer

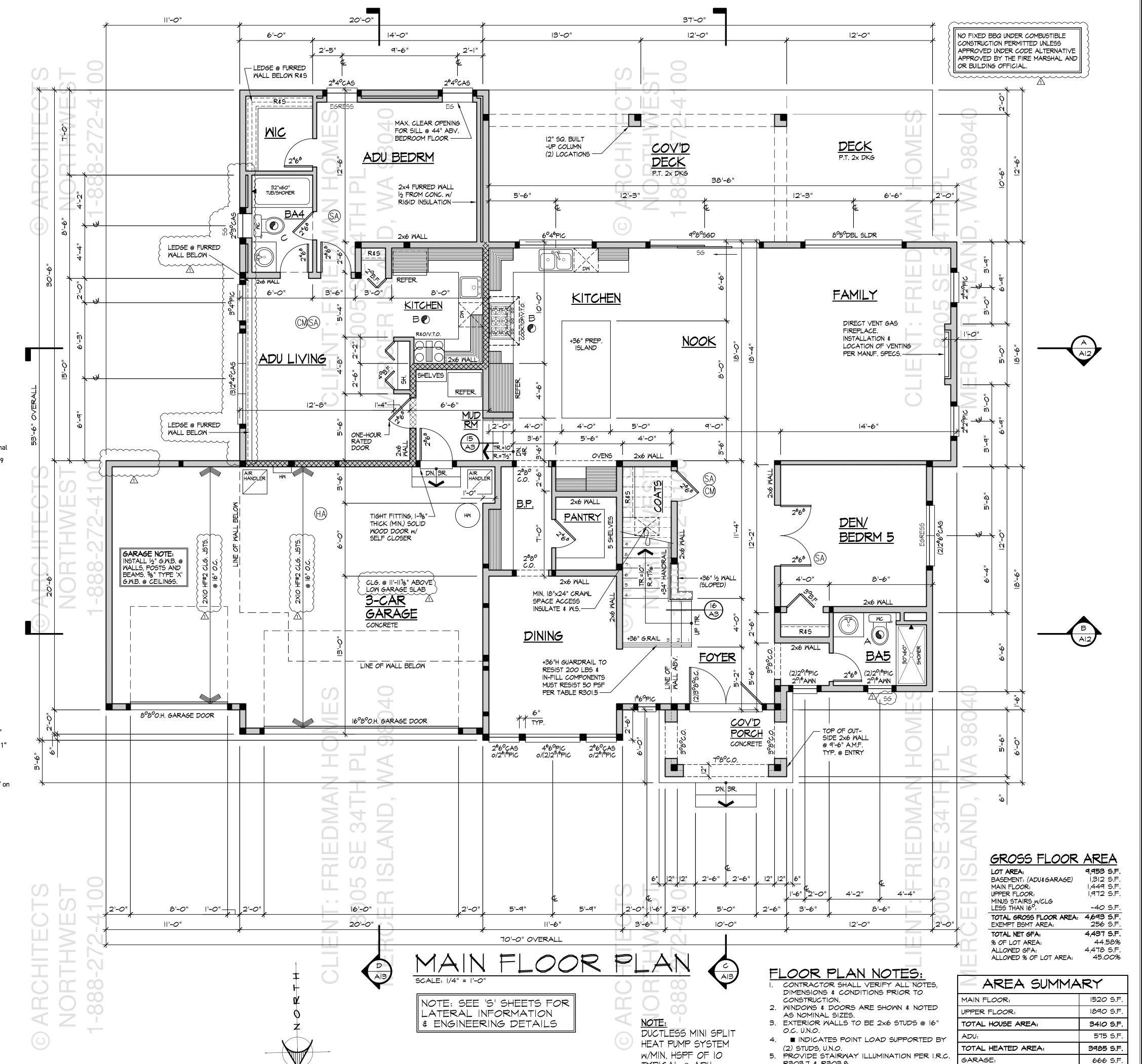
ToughRock® Fireguard C® Products

ToughRock® Fireguard X™ Mold-Guard™ Products

ToughRock® Fireguard X[™] Products

ToughRock® Lite-Weight Fire-Rated Products

= | HR. DWELLING ADU / RES SEPARATION PER DETAIL B/A5



R303.7 \$ R303.8

6. SEE SHEET AI FOR ADDITIONAL NOTES.

8. SEE SHEET A2 FOR ALARM SCHEDULE.

SEE SHEET A2 FOR VENTILATION SCHEDULE.

COVERED AREA:

UNFINISHED AREA:

TYPICAL @ ADU

PAYMI NORTH EACH THESE WITH F METHO VARIAT FROM PROHI SIF

2545B3

DESIGNED BY: DRAWN BY: 8/11/14 PROJECT MANAGER: MARCUS JENKINS REVISED BY: BPS 4/25/19 BPS 8/19/19

10/2/19 12/27/21 BPS BPS BPS <u>A</u> 4/21/22 LATERAL BY: PITZER 12/7/21 LATERAL JOB NUMBER: 21-140

ANW JOB NUMBER: 210248

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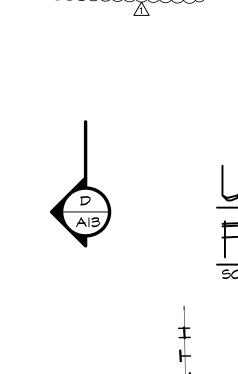
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BLOCKING BTWN. JSTS.

BELOW WALL ABY. TYP.

(UI6)



- FURR CEILING TO 11'-11%" ABV. LOW

GARAGE SLAB @ HATCHED AREA

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

BALLOON FRAME PER

CHART THIS SHEET TYP.

| ||%" T.J.I. 360 @ |6" O.C. TYPICAL |

(VO9)

SOFFIT DN.

CEILING @ ENTRY

TO 9'-616" A.M.F.

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AIS

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NOTE: USE FULL LENGTH STUDS (BALLOON FRAME) PER THIS TABLE BLOCKING FRAMING WALL HEIGHT 10'-0" OR LESS 2x6 @ |6" O.C. 10'-1" - 12'-6" 2x6 @ 12" O.C. /2 POINTS 12'-7" - 15'-0" 1/2 POINTS (2)2×6 @ 16" O.C. 15'-1" - 17'-6" (2)2x6 @ 12" O.C. /3 POINTS

- ¾" T.&G. PLYWOOD GLUED & NAILED. STAGGER JOINTS, TYP.

FLOOR JOISTS TO BE: 11%" T.J.I. 360 @ 16" O.C. TYPICAL, U.N.O.

(UI4)

UI5 - GLB $3\frac{1}{2}$ "x9 $\frac{1}{4}$ " **UI6** - PSL 5¹/₄"xII⁷/₈" UI7 - PSL $3\frac{1}{2}$ "x $|1\frac{7}{8}$ "

BEAM SCHEDULE

UOI - PSL 54"x117"

UO2 - PSL 54"x118" UO3 - PSL 7"x18"

UO4 - PSL 7"x18"

U05 - PSL 3½"xII3" **U06** - PSL 54"x||7| **UO7** - PSL $3\frac{1}{2}$ " $x|1\frac{7}{8}$ " **U08** - PSL 51 ×117

U09 - PSL 3½"xII3 UIO - PSL 51 XII 7 "

UII - 4x10 DF#2 UI2 - 4x10 DF#2

UI3 - PSL $5\frac{1}{4}$ "xII $\frac{7}{8}$ " U14 - 4x10 DF#2

CONNECTION SCHEDULE

UOI-UO3 - HB5.50/II.88 **UO2-UO3** - HB5.50/II.88

U05-U06 - HUC412 **U07-U08** - HUC412 **U07-U09** - HUC412 **U09-U10** - HUCQ412

SHEET NOTES

6x6 DF#I POST W/ ECCQ7.I-6 CAP 2 6x6 DF#I POST W/ CCQ66 CAP

3 6x6 DF#I POST W/ ECCQ66 CAP

FLOOR FRAMING NOTES: CONTRACTOR SHALL VERIFY ALL NOTES, DIMENSIONS & CONDITIONS PRIOR TO

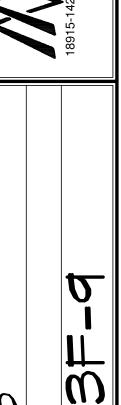
CONSTRUCTION. 2. ALL FLOOR JOISTS TO BE 11%" T.J.I. 360 @ 16" ON CENTER UNLESS NOTED OTHERWISE (U.N.O.) 3. ALL HEADERS TO BE 4x10 DF#2 w/R-10 RIGID INSULATION @ EXTERIOR WARM WALLS, U.N.O. 4. PROVIDE SOLID BLOCKING OVER SUPPORTS. 5. PROVIDE FIRE BLOCKING @ ALL PLUMBING PENETRATIONS.

6. WINDOW HEADERS @ 8'-0" ABOVE FINISHED FLOOR @ MAIN FLOOR U.N.O. 7. BEARING WALLS ARE SHADED. 8. PLUMBING AND MECHANICAL FIXTURES ARE

DASHED. 9. INDICATES POINT LOAD SUPPORTED BY (2) STUDS, U.N.O. 10. ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED. II. SEE SHEET AI FOR ADDITIONAL NOTES.

NOTE: SEE 'S' SHEETS FOR LATERAL INFORMATION \$ ENGINEERING DETAILS

BEAM SCHEDULE					
PLAN VIEW	DESCRIPTION				
=====	DROPPED BEAM DESIGNATED ON FLOOR PLANS.				
	DROPPED BEAM DESIGNATED ON FRAMING PLANS.				
\(\lambda \) \(\la	FLUSH AND TOP FLUSH BEAM DESIGNATED ON FRAMING PLANS.				
V/////////////////////////////////////	UPSET BEAM DESIGNATED ON FRAMING PLANS.				



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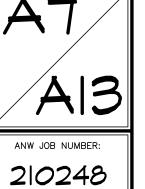
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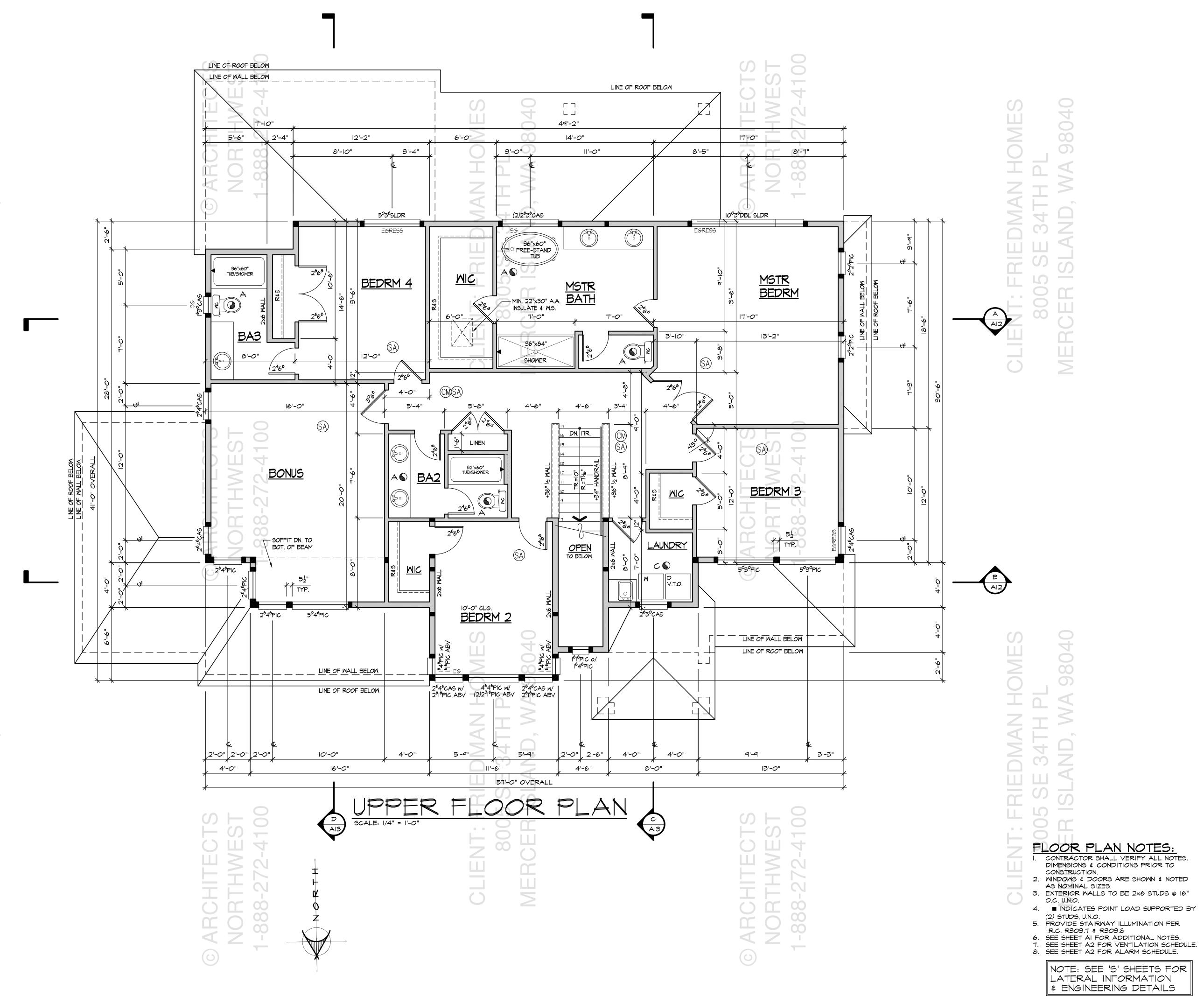
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DRAWN BY: PROJECT MANAGER: MARCUS JENKINS REVISED BY: DATE:
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LATERAL BY: PITZER 12/7/21 LATERAL JOB NUMBER: 21-140



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PROJECT MANAGER:

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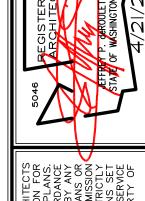
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2013 DATE: 8/11/14



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APPROVAL OF

DESCRIPTION

DESIGNED BY: 2013 DRAWN BY: DATE: 8/11/14 PROJECT MANAGER: MARCUS JENKINS REVISED BY: BPS 4/25/19
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LATERAL BY: PITZER 12/7/21

LATERAL JOB NUMBER: 21-140 A9 AIS

PER PLAN PRIOR TO INSTALLING SIDING. 2. MASONRY & WOOD FRAME CHIMNEYS ARE TO BE CONSTRUCTED PER I.R.C. CHAPTER IO. 3. CAULK ALL EXTERIOR JOINTS &

I. VERIFY SHEAR WALL NAILING & HOLDOWNS

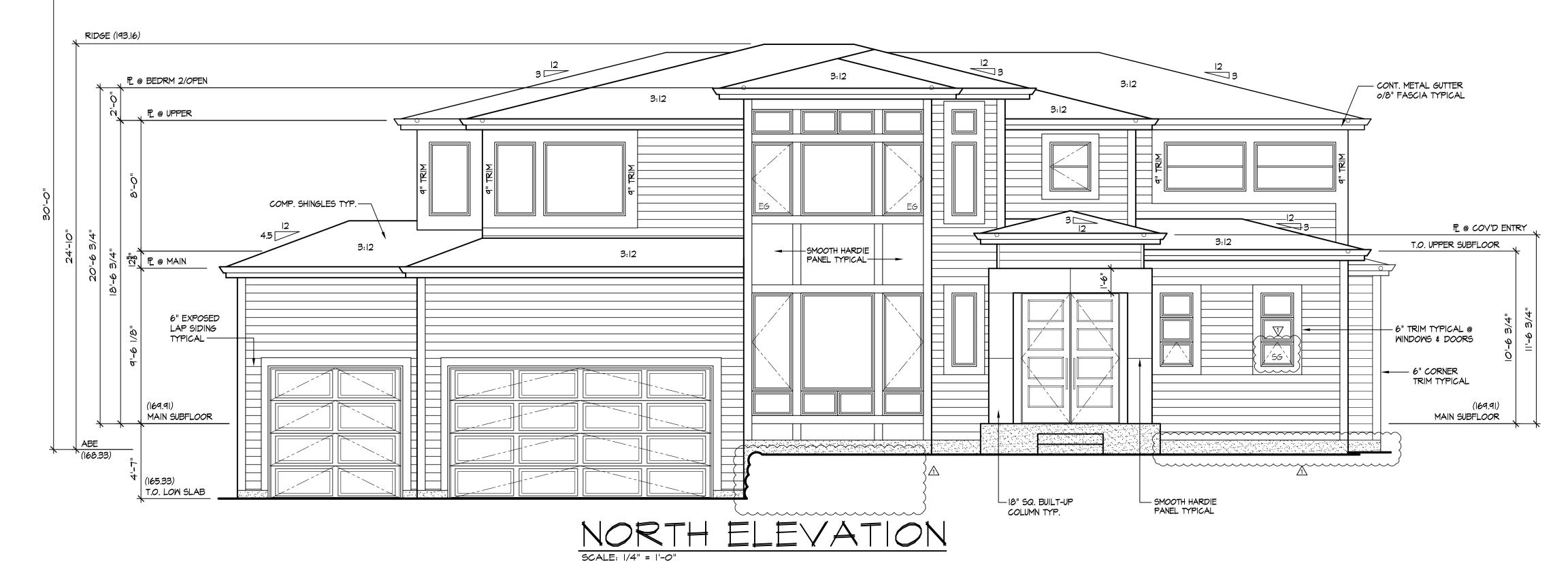
ELEVATION NOTES:

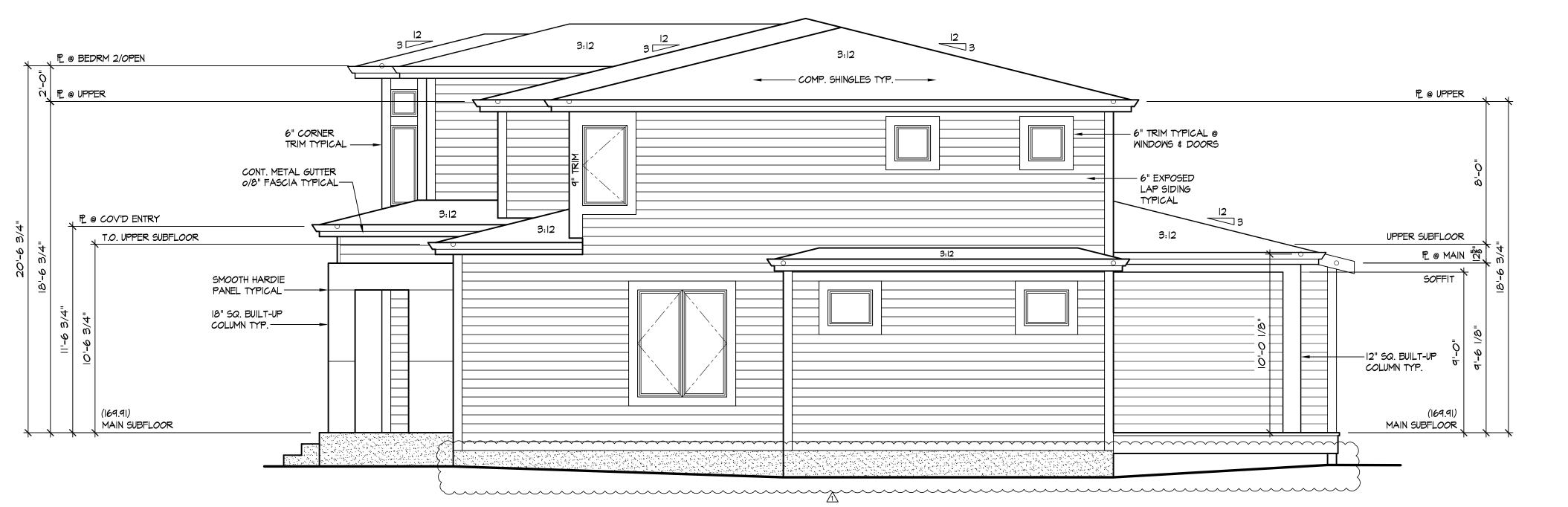
PENETRATIONS.

- 4. PROVIDE APPROVED CORROSION RESISTANT FLASHING AT EXTERIOR WALL ENVELOPE
- PER I.R.C. R703.4 5. PROVIDE FLASHING AT ROOF PENETRATIONS
- PER I.R.C. R903.2 \$ R903.2.1 6. PROVIDE WEATHER STRIPPING AT ALL
- EXTERIOR & GARAGE-INTERIOR DOORS. 7. PROVIDE CONTINUOUS GUTTERS \$
- DOWNSPOUTS @ ALL EAVES, TYP. 8. ADDRESS OR HOUSE NUMBER TO BE POSTED AND PLAINLY VISIBLE FROM THE STREET FRONTAGE. NUMBERS TO BE MIN. 4" HIGH
- BACKGROUND. 9. PROVIDE STAIRWAY ILLUMINATION PER I.R.C.

WITH $\frac{1}{2}$ " WIDE STROKE & CONTRASTING

R303.7 \$ R303.8 IO. SEE SHEET AI FOR ADDITIONAL NOTES.





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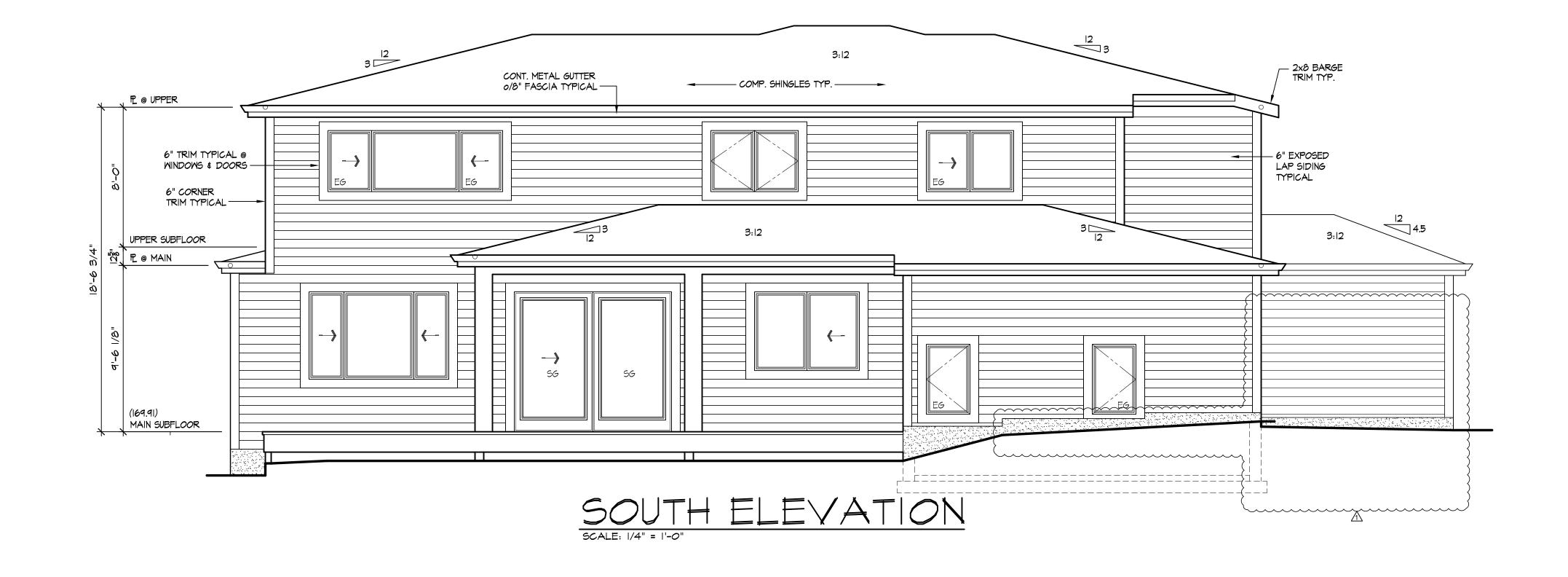
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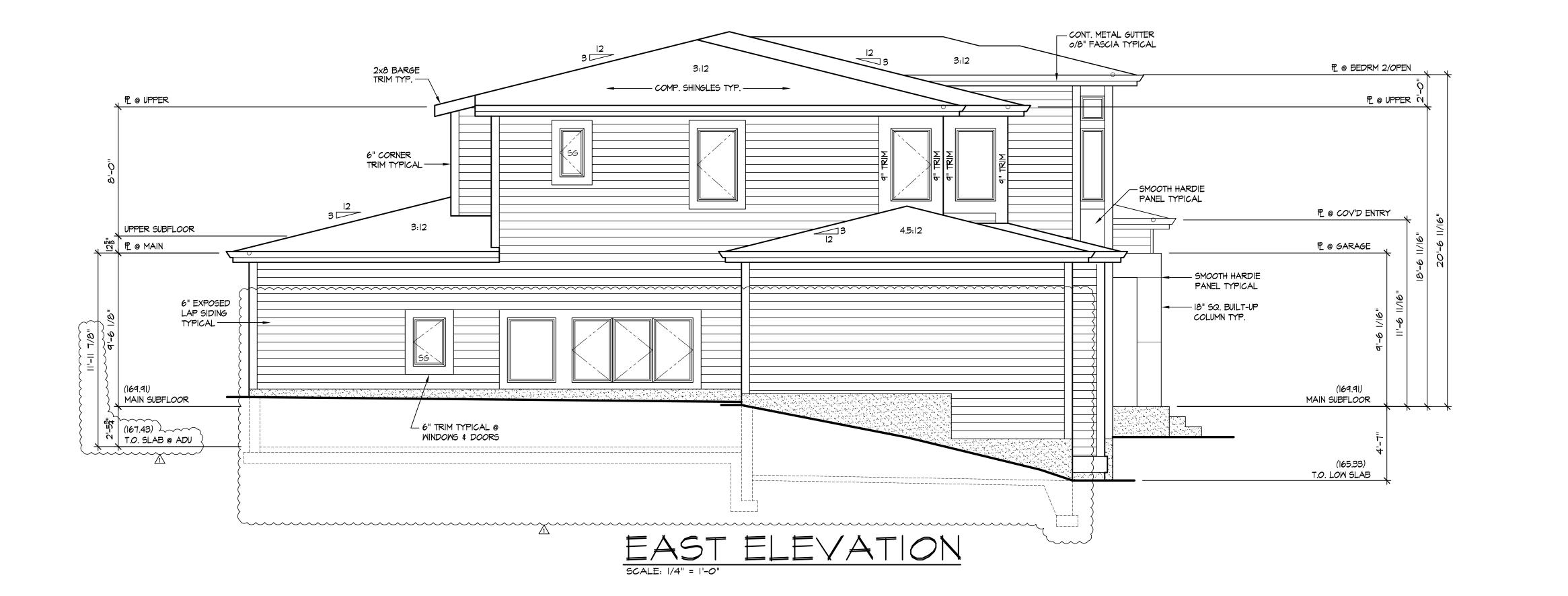
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- BACKGROUND. 9. PROVIDE STAIRWAY ILLUMINATION PER I.R.C. R303.7 \$ R303.8
- 10. SEE SHEET AI FOR ADDITIONAL NOTES.







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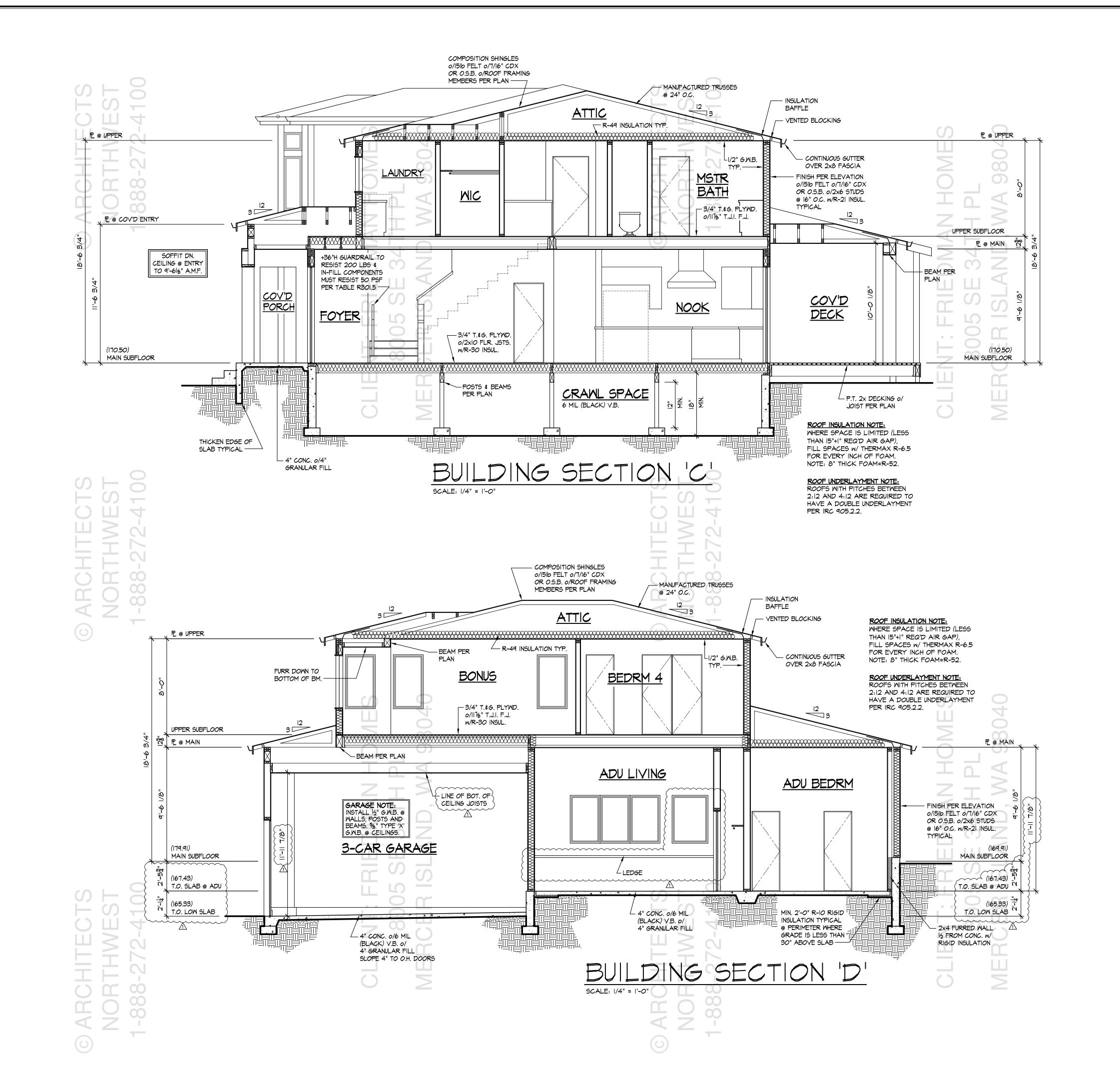
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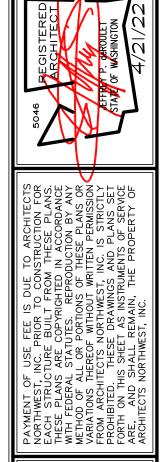
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CLIENT: FRIEDMAN HOMES
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MFRCFR ISLAND WA 98040

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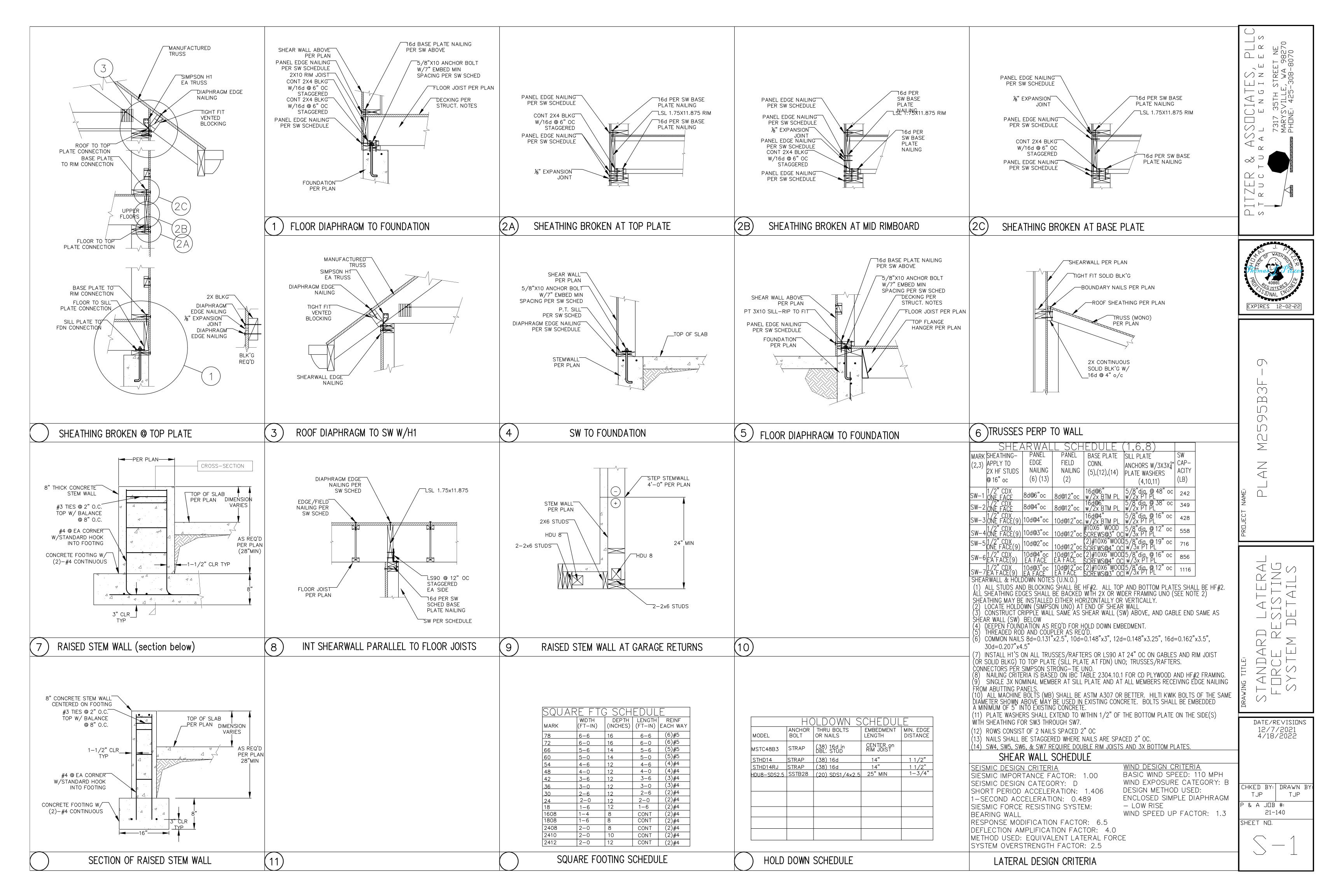
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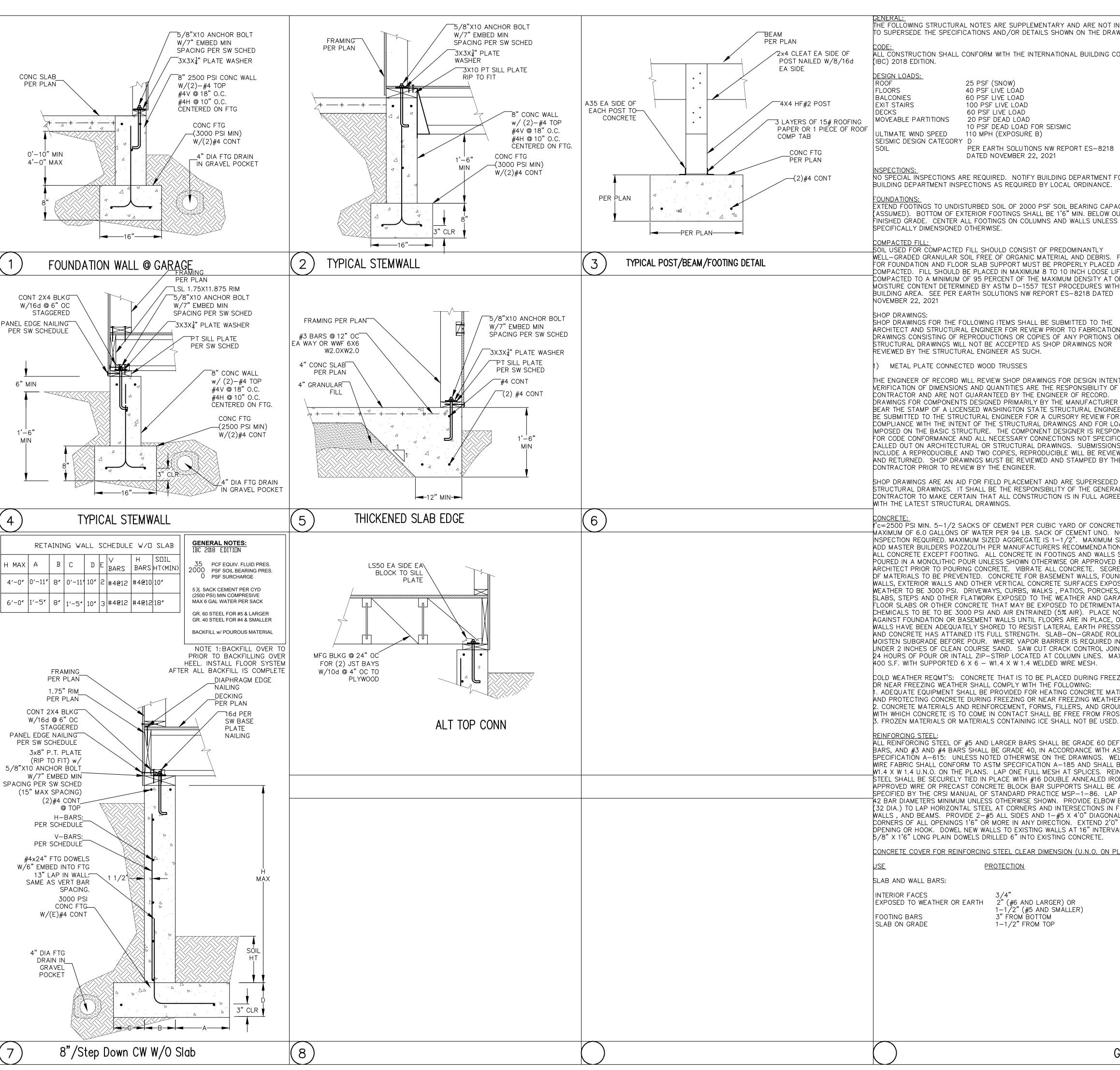
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REINFORCING WELDING: THE FOLLOWING STRUCTURAL NOTES ARE SUPPLEMENTARY AND ARE NOT INTENDED TO SUPERSEDE THE SPECIFICATIONS AND/OR DETAILS SHOWN ON THE DRAWINGS.

ALL CONSTRUCTION SHALL CONFORM WITH THE INTERNATIONAL BUILDING CODE

10 PSF DEAD LOAD FOR SEISMIC 110 MPH (EXPOSURE B)

NO SPECIAL INSPECTIONS ARE REQUIRED. NOTIFY BUILDING DEPARTMENT FOR BUILDING DEPARTMENT INSPECTIONS AS REQUIRED BY LOCAL ORDINANCE.

EXTEND FOOTINGS TO UNDISTURBED SOIL OF 2000 PSF SOIL BEARING CAPACITY (ASSUMED). BOTTOM OF EXTERIOR FOOTINGS SHALL BE 1'6" MIN. BELOW OUTSIDE FINISHED GRADE. CENTER ALL FOOTINGS ON COLUMNS AND WALLS UNLESS

WELL-GRADED GRANULAR SOIL FREE OF ORGANIC MATERIAL AND DEBRIS. FILL USED FOR FOUNDATION AND FLOOR SLAB SUPPORT MUST BE PROPERLY PLACED AND COMPACTED. FILL SHOULD BE PLACED IN MAXIMUM 8 TO 10 INCH LOOSE LIFTS AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED BY ASTM D-1557 TEST PROCEDURES WITHIN THE BUILDING AREA. SEE PER EARTH SOLUTIONS NW REPORT ES-8218 DATED

SHOP DRAWINGS FOR THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS CONSISTING OF REPRODUCTIONS OR COPIES OF ANY PORTIONS OF THE STRUCTURAL DRAWINGS WILL NOT BE ACCEPTED AS SHOP DRAWINGS NOR

THE ENGINEER OF RECORD WILL REVIEW SHOP DRAWINGS FOR DESIGN INTENT ONLY. VERIFICATION OF DIMENSIONS AND QUANTITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE NOT GUARANTEED BY THE ENGINEER OF RECORD. DRAWINGS FOR COMPONENTS DESIGNED PRIMARILY BY THE MANUFACTURER SHALL BEAR THE STAMP OF A LICENSED WASHINGTON STATE STRUCTURAL ENGINEER AND BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR A CURSORY REVIEW FOR COMPLIANCE WITH THE INTENT OF THE STRUCTURAL DRAWINGS AND FOR LOADS MPOSED ON THE BASIC STRUCTURE. THE COMPONENT DESIGNER IS RESPONSIBLE FOR CODE CONFORMANCE AND ALL NECESSARY CONNECTIONS NOT SPECIFICALLY CALLED OUT ON ARCHITECTURAL OR STRUCTURAL DRAWINGS. SUBMISSIONS SHALL INCLUDE A REPRODUCIBLE AND TWO COPIES, REPRODUCIBLE WILL BE REVIEWED AND RETURNED. SHOP DRAWINGS MUST BE REVIEWED AND STAMPED BY THE

SHOP DRAWINGS ARE AN AID FOR FIELD PLACEMENT AND ARE SUPERSEDED BY THE STRUCTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE CERTAIN THAT ALL CONSTRUCTION IS IN FULL AGREEMENT

c=2500 PSI MIN. 5-1/2 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE AND A MAXIMUM OF 6.0 GALLÓNS OF WATER PER 94 LB. SACK OF CEMENT UNO. NO SPECIAL NSPECTION REQUIRED. MAXIMUM SIZED AGGREGATE IS 1-1/2". MAXIMUM SLUMP IS 4' ADD MASTER BUILDERS POZZOLITH PER MANUFACTURERS RECOMMENDATIONS TO ALL CONCRETE EXCEPT FOOTING. ALL CONCRETE IN FOOTINGS AND WALLS SHALL BE POURED IN A MONOLITHIC POUR UNLESS SHOWN OTHERWISE OR APPROVED BY THE ARCHITECT PRIOR TO POURING CONCRETE. VIBRATE ALL CONCRETE. SEGREGATION OF MATERIALS TO BE PREVENTED. CONCRETE FOR BASEMENT WALLS. FOUNDATION WALLS, EXTERIOR WALLS AND OTHER VERTICAL CONCRETE SURFACES EXPOSED TO WEATHER TO BE 3000 PSI. DRIVEWAYS, CURBS, WALKS, PATIOS, PORCHES, CARPORT SLABS, STEPS AND OTHER FLATWORK EXPOSED TO THE WEATHER AND GARAGE FLOOR SLABS OR OTHER CONCRETE THAT MAY BE EXPOSED TO DETRIMENTAL CHEMICALS TO BE TO BE 3000 PSI AND AIR ENTRAINED (5% AIR). PLACE NO FILL AGAINST FOUNDATION OR BASEMENT WALLS UNTIL FLOORS ARE IN PLACE, OR WALLS HAVE BEEN ADEQUATELY SHORED TO RESIST LATERAL EARTH PRESSURE AND CONCRETE HAS ATTAINED ITS FULL STRENGTH. SLAB-ON-GRADE ROLL AND MOISTEN SUBGRADE BEFORE POUR. WHERE VAPOR BARRIER IS REQUIRED INSTALL UNDER 2 INCHES OF CLEAN COURSE SAND. SAW CUT CRACK CONTROL JOINTS WITHIN 24 HOURS OF POUR OR INTALL ZIP—STRIP LOCATED AT COLUMN LINES. MAXIMUM AREA 400 S.F. WITH SUPPORTED 6 X 6 - W1.4 X W 1.4 WELDED WIRE MESH.

COLD WEATHER REQMT'S: CONCRETE THAT IS TO BE PLACED DURING FREEZING OR NEAR FREEZING WEATHER SHALL COMPLY WITH THE FOLLOWING: . ADEQUATE EQUIPMENT SHALL BE PROVIDED FOR HEATING CONCRETE MATERIALS AND PROTECTING CONCRETE DURING FREEZING OR NEAR FREEZING WEATHER. 2. CONCRETE MATERIALS AND REINFORCEMENT, FORMS, FILLERS, AND GROUND WITH WHICH CONCRETE IS TO COME IN CONTACT SHALL BE FREE FROM FROST.

ALL REINFORCING STEEL OF #5 AND LARGER BARS SHALL BE GRADE 60 DEFORMED BARS, AND #3 AND #4 BARS SHALL BE GRADE 40, IN ACCORDANCE WITH ASTM SPECIFICATION A-615: UNLESS NOTED OTHERWISE ON THE DRAWINGS. WELDED WIRE FABRIC SHALL CONFORM TO ASTM SPECIFICATION A-185 AND SHALL BE 6 X 6 -W1.4 X W 1.4 U.N.O. ON THE PLANS. LAP ONE FULL MESH AT SPLICES. REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 DOUBLE ANNEALED IRON WIRE. APPROVED WIRE OR PRECAST CONCRETE BLOCK BAR SUPPORTS SHALL BE AS 42 BAR DIAMETERS MINIMUM UNLESS OTHERWISE SHOWN. PROVIDE ELBOW BARS (32 DIA.) TO LAP HORIZONTAL STEEL AT CORNERS AND INTERSECTIONS IN FOOTINGS, WALLS, AND BEAMS. PROVIDE 2-#5 ALL SIDES AND 1-#5 X 4'0" DIAGONALLY AT CORNERS OF ALL OPENINGS 1'6" OR MORE IN ANY DIRECTION. EXTEND 2'0" PAST PPENING OR HOOK. DOWEL NEW WALLS TO EXISTING WALLS AT 16" INTERVALS WITH 5/8" X 1'6" LONG PLAIN DOWELS DRILLED 6" INTO EXISTING CONCRETE.

CONCRETE COVER FOR REINFORCING STEEL CLEAR DIMENSION (U.N.O. ON PLANS):

1-1/2" (#5 AND SMÁLLER) 3" FROM BOTTOM 1-1/2" FROM TOP

REINFORCING MAY BE WELDED ONLY WHERE PERMITTED BY THE ENGINEER. ALL WELDED REBAR TO BE GRADE 40. MAX. CARBON CONTENT .35% (OR WELDABLE ASTM A706 GRADE 60 REINFORCEMENT IF NOTED ON THE DRAWINGS). SUBMIT MILL CERTIFICATE SHOWING REINFORCING CHEMICAL CONTENTS TO ARCHITECT. FOLLOW "RECOMMENDED PRACTICES FOR WELDING REINFORCING STEEL, METAL INSERTS AND CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION" BY THE AMERICAN WELDING SOCIETY ANSI/AWS D1.4-98. ALL WELDING SHALL BE PERFORMED BY W.A.B.O. CERTIFIED WELDERS. USE FRESH LOW HYDROGEN E70XX ELECTRODES, AWS A5.1 FOR GRADE 40 BARS AND E70XX ELECTRODES, AWS A5.1 FOR GRADE 40 BARS AND E90XX ELECTRODES, AWS A5.5 FOR GRADE 60 BARS. BENDS IN REINFORCING TO BE WELDED SHALL NOT BE CLOSER THAN 3" TO WELD.

METAL PLATE CONNECTED WOOD TRUSSES SHALL BE DESIGNED BY A WASHINGTON STATE PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE TRUSS PLATE INSTITUTE AND THE IBC. METAL PLATES SHALL BE ICBO APPROVED VERIFIED BY A CURRENT REPORT NUMBER. TRUSSES SHALL BE PLANT FABRICATED BY A MANUFACTURER IN COMPLIANCE WITH IBC SECTION 2303.4. THE MANUFACTURER SHALL SUBMIT SHOP DRAWINGS, INCLUDING ERECTION PLANS, SIGNED BY A WASHINGTON STATE PROFESSIONAL ENGINEER, TO THE BUILDING DEPARTMENT AND ENGINEER FOR APPROVAL. THE TRUSSES SHALL BE MANUFACTURED IN A PLANT THE ARCHITECT APPROVES, UNDER THE REQUIREMENTS OF IBC SECTION 1703. EACH TRUSS SHALL BEAR THE QUALITY CONTROL STAMP (IBC SECTION 2303.4.1) AS WELL AS MANUFACTURING PLANT'S NAME/ADDRESS, DESIGN LOAD AND MAXIMUM SPACING, IN ACCORDANCE WITH IBC SECTION 2303.4.1. THE MANUFACTURER IS RESPONSIBLE FOR VERIFICATION OF ALL TRUSS LENGTHS PRIOR TO FABRICATION AND FOR IDENTIFICATION OF ALL TRUSS MEMBERS REQUIRING BRACING FOR REDUCTION OF BUCKLING LENGTH. $\,$ THE TRUSS $\,$ ERECTION CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF SAID BRACING AND FOR ALL TEMPORARY BRACING REQUIRED DURING THE INSTALLATION PROCESS. U.N.O. ON THE PLANS, EACH TRUSS/BEARING CONNECTION TO BE 2-16d TOE-NAILED PLUS ONE H1 SEISMIC TIE AT EVERY OTHER CONNECTION. PROVIDE FULL DEPTH SOLID BLOCKING BETWEEN EACH TRUSS AT EACH OUTER BEARING. PROVIDE 3" GAP BETWEEN BOTTOM CHORDS AND PERPENDICULAR NON-BEARING WALLS AND CONNECT WITH SIMPSON DTC ON ONE SIDE.

TIMBER:

BEAMS (4X AND GREATER) DF-L #1 OR BETTER POSTS DF-L #1 OR BETTER STUDS

HF #2/STUD ALL OTHER LUMBER HF #2 OR BETTER

ALL 2X ___ TIMBER KILN DRIED. ALL GRADES SHALL CONFORM TO A "WWPA GRADING RULES FOR WESTERN LUMBER, LATEST EDITION". BOLT HEADS AND NUTS BEARING AGAINST WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED. MISCELLANEOUS HANGERS TO BE AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. OR APPROVED EQUAL. ALL HANGERS TO BE FASTENED TO WOOD WITH PROPER NAILS. ALL HOLES SHALL BE NAILED. MACHINE BOLTS TO BE A-307. ANCHOR BOLTS INTO CONCRETE SHALL BE 5/8" DIAMETER @ 48" O.C. (UNLESS NOTED OTHER-WISE) WITH MIN. EMBEDMENT PER IBC CODE. ALL NAILS SHALL BE COMMON WIRE NAILS. SPIKE ALL LAMINATED MEMBERS TOGETHER WITH 10d NAILS @ 12" O.C. STAGGERED. SPLICE LAMINATIONS AT SUPPORTS ONLY. ALL FASTENERS AND CONNECTORS FOR PRESSURE TREATED WOOD TO BE HOT—DIPPED GALVANIZED STEEL. THE COATING WEIGHTS FOR ZINC COATED FASTENERS TO BE IN ACCORDANCE WITH ASTM A-153.

ROVIDE CONTINUOUS SOLID BLOCKING FOR JOISTS AT THE SUPPORTS AND APPROVED METAL CROSS BRIDGING @ 8'-0" MAXIMUM. PROVIDE DOUBLE JOISTS UNDER PARTITIONS EXTENDING 1/2 OR MORE OF THE JOIST SPAN. FLUSH BEAMS (F.B.) NOT CALLED OUT ON THE PLANS SHALL BE DOUBLE JOISTS. ALL VERTICALLY LAMINATED BEAMS AND HEADERS SHALL BE SPIKED TOGETHER WITH 16d AT 12" O.C. STAGGERED.

<u>SHEAR WALL FRAMING</u>: APPLY 7/16" CDX OR OSB TO 2X STUDS SPACED AT 16"O/C MAX, BLOCK ALL PANEL EDGES, 8d AT 6"O/C AT ALL EDGES, AND 8d AT 12"O/C AT INTERIOR SUPPORTS, U.N.O.

OF DIAPHRAGM: APPLY 19/32" CDX OR OSB PLYWOOD (24/0) ON ROOF, NAIL 10d AT 6"O/C AT SUPPORTED EDGES AND 10d AT 12" O/C AT INTERIOR SUPPORTS, BLKG NOT REQ'D. USE DOUBLE 2X6 HF#2 TOP PLATE W/4'-0" OVERLAP W/18-10d NAIL-GUN NAILS EA SIDE OF EA SPLICE.

<u>2ND FLOOR DIAPHRAGM: APPLY 3/4" T&G STURD-I-FLOOR OR OSB W/2X FLOOR</u> FRAMING MEMBERS, GLUE AND 10d AT 4" O/C AT ALL SUPPORTED EDGES, 10d AT 12"O/C AT INTERIOR SUPPORTS, U.N.O. USE DOUBLE 2X6 HF#2 TOP PLATE W/4'-0" OVERLAP W/12-10d NAIL-GUN NAILS EA SIDE OF EA SPLICE.

BEARING WALL FRAMING:

ALL DOOR AND WINDOW HEADERS NOT CALLED OUT ON THE PLANS SHALL BE 4X10 DF-L #2 WITH ONE CRIPPLE AND ONE STUD EACH END FOR OPENINGS 4'-0" OR LESS AND TWO CRIPPLES AND TWO STUDS FOR OPENINGS MORE THAN 4'-0" WIDE. ALL COLUMNS NOT CALLED OUT ON THE PLANS SHALL BE TWO (2) STUDS. BLOCK SOLID TO FOUNDATION. SPIKE LAMINATED COLUMNS TOGETHER WITH 10d @ 18" O.C. STAGGERED. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY TO BE PRESSURE TREATED. STAGGER SPLICES AT TOP PLATES A MIN. OF 48" TYPICAL AND NAIL PER TABLE 2304.10.1 OF THE I.B.C.

<u>GLUED LAMINATED WOOD MEMBERS</u>

LUED LAMINATED WOOD BEAMS, DOUGLAS FIR, KILN-DRIED, STRESS GRADE COMBINATION 24F-V4 (fB = 2,400 PSI) FOR SIMPLES SPANS AND 24F-V8 FOR CANTILEVER AND CONTINUOUS SPANS. GLUE SHALL BE CASEIN WITH MOLD INHIBITOR. BOTTOM LAM TO BE FREE OF UNSOUND KNOTS LARGER THAN 1/2" DIAMETER. AITC STAMP AND CERTIFICATION REQUIRED. FABRICATOR SHALL SUBMIT 3 SETS OF DETAILS AND SPECIFICATIONS TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION. ALL BEAMS ARE TO BE CAMBERED AT R = 2000' U.N.O.

PRODUCTS MANUFACTURED BY TRUST JOIST MACMILLAN 1.8E WS MICROLLAM LAMINATED SPECIFIED BY THE CRSI MANUAL OF STANDARD PRACTICE MSP-1-86. LAP ALL SPLICES | VENEER LUMBER (LVL) ALLOWABLE DESIGN STRESSES: E = 1,800,000 PSI Fb = 2,600 PSI Fv = 285 PSI Fc = 750 PSI Fc = 2,460 PSI 2.0E WS PARALLAM PARALLEL STRAND LUMBER |(PSL)ALLOWABLE DESIGN STRESSES: E = 2,000,000 PSI Fb = 2,900 PSI Fv = 290 PSIFc = 650 PSI Fc = 2,900 PS.I EQUIVALENT ENGINEERED LUMBER PRODUCTS BY OTHER MANUFACTURERS MAY BE SUBSTITUTED, PENDING REVIEW AND APPROVAL OF THE ENGINEER, PROVIDED THEY HAVE IBC APPROVAL FOR EQUAL OR GREATER ALLOWABLE DESIGN STRESSES.

GENERAL STRUCTURAL NOTES

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ALL CONDITIONS AT JOBSITE INCLUDING BUILDING AND SITE CONDITIONS BEFORE COMMENCING WORK AND BE RESPONSIBLE FOR SAME. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCE WILL BE MADE IN THE CONTRACTOR AND OR MANUFACTURER'S FAVOR BY VIRTUE OR ERRORS. AMBIGUITIES AND /OR OMISSIONS WHICH SHOULD HAVE BEEN DISCOVERED DURING THE PREPARATION OF BID ESTIMATE AND DIRECTED TO THE ATTENTION OF THE ARCHITECT IN A TIMELY MANNER. ANY ERRORS. AMBIGUITIES AND OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY IN WRITING. NO WORK IS TO BE STARTED BEFORE CORRECTION IS MADE. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACINGS AS REQUIRED UNTIL ALL PERMANENT CONNECTIONS AND STIFFENINGS HAVE BEEN INSTALLED. THE CONTRACTOR SHALL COORDINATE WITH THE BUILDING DEPARTMENT FOR ALL BUILDING DEPARTMENT REQUIRED INSPECTIONS. DO NOT SCALE DRAWINGS. USE ONLY WRITTEN DIMENSIONS. THE DETAILS SHOWN ARE TYPICAL AND SHALL BE USED FOR LIKE OR SIMILAR CONDITIONS NOT SHOWN. VARIATIONS AND MODIFICATIONS TO WORK SHOWN ON THESE DRAWINGS SHALL NOT BE CARRIED OUT WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT. THIS DRAWING IS THE EXCLUSIVE PROPERTY OF THE ARCHITECT AND CAN BE REPRODUCED ONLY WITH THE PERMISSION OF THE ARCHITECT, IN WHICH CASE THE REPRODUCTION MUST BEAR THEIR NAMES AS ARCHITECT. PRE-FABRICATED ITEMS TO BE HANDLED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

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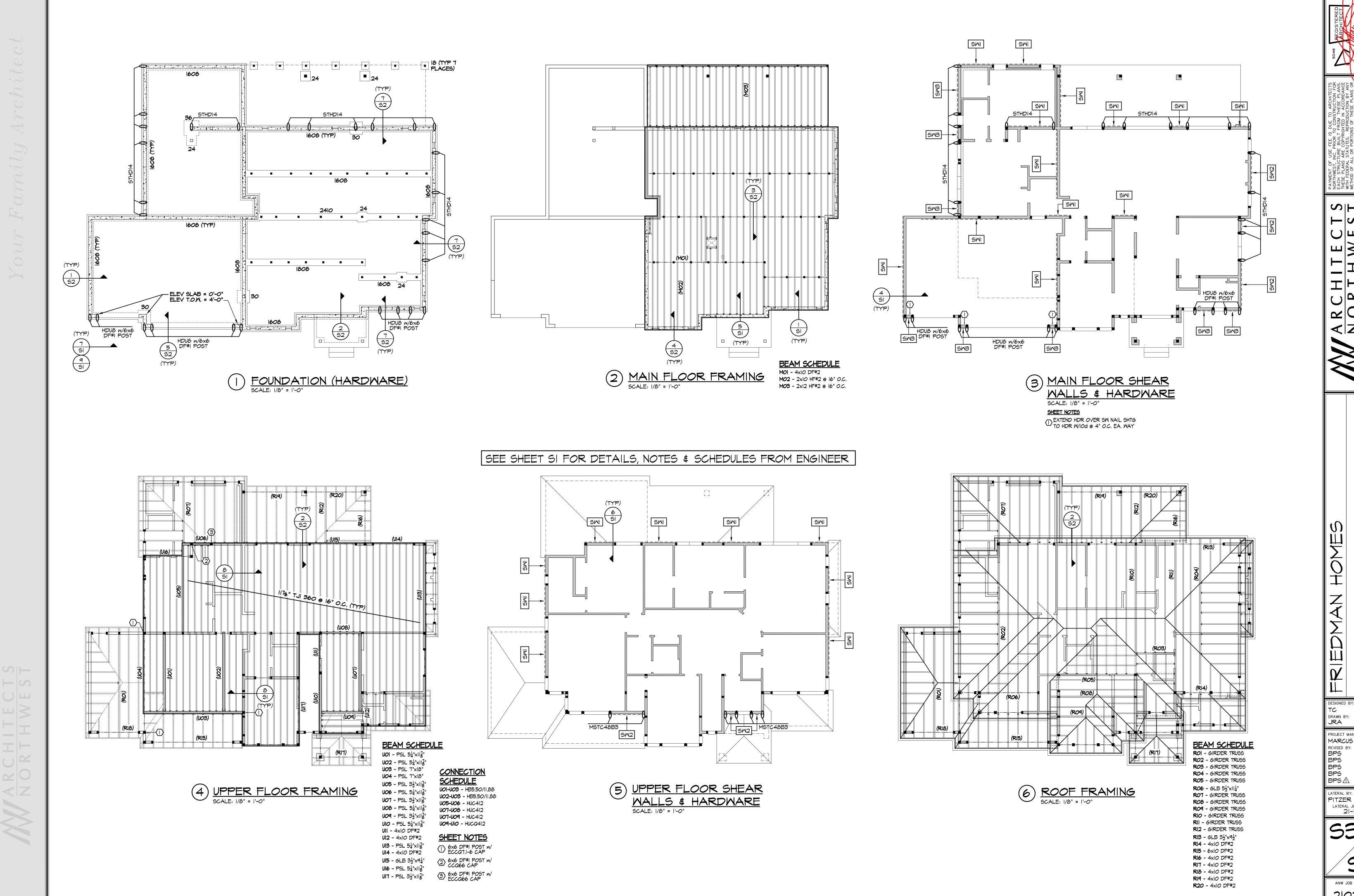
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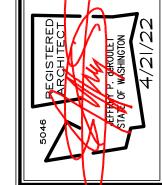
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DATE/REVISIONS 12/7/2021 4/18/2022

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2013 DATE: 8/11/14

PROJECT MANAGER:

MARCUS JENKINS
REVISED BY: DATE:
BPS 4/25/19
BPS 8/19/19
BPS 10/2/19
BPS 12/20/21
BPS 4/21/22

LATERAL BY: DATE:
PITZER 12/7/21
LATERAL JOB NUMBER:
21-140

