



PROJECT DESCRIPTION ADDITION AND REMODEL PER PLAN
 This scope should match the Building Permit Application Form

PROJECT CONTACT INFORMATION
 The Applicant shall provide the following information for each type of contact (Engineer and Geotech dependent on scope)

Permitting Contact: JIM DEARTH	Email: PROJECTS@RIPLDESIGNSTUDIO.COM	Phone: 206.913.2333
Construction Contact:	Email:	Phone:
Engineer: DANIEL BUKER	Email: DANIEL@BUKERENGINEERING.COM	Phone: 206.258.6333
Geotech: MARC MCGINNIS - GEOTECH CONSULTANTS	Email: marc@geotechnw.com	Phone: 425.747.5618

DEFERRED SUBMITTALS
 The Applicant is required to indicate all deferred submittals / shop drawings for submittal to the City for review and approval prior to item fabrication / construction. All deferred submittals require pre-approval from the City during the permit review process.

No Deferred Submittals - all design included in these construction documents

Connector plate wood roof trusses Exterior cladding
 Metal joist / metal trusses Window wall / curtain wall construction
 Premanufactured structures (stairs, etc.) Other:

ENERGY CODE AND WHOLE HOUSE VENTILATION INFORMATION
 Indicate where the following information is located within the drawing set and select one box per line below.

Building Envelope- Define all components of the thermal envelope. Include U-factors, insulation and moisture control *WSEC Table 402.1.2* Sheet: A.1.1

Energy Credit Information- Include complete information on plan for options selected and equipment specified *WSEC Tables 406.2 and 406.3* Sheet: A.1.1

No Credits Required Small Dwelling Unit Medium Dwelling Unit Large Dwelling Unit < 500 sf addition

New Construction Tests- The following are mandatory testing and reporting requirements of WSEC Ch 4 for new construction

Certificate of Energy Efficiency *WSEC 402.3* Duct Leakage Testing *WSEC 402.3.5* Air Leakage Testing *WSEC 402.4.3.2*
 Air Leakage test report not to exceed 5 changes per hour *WSEC 1505.4.1.2* Air Leakage per selected energy credits

Whole House Ventilation- Specify system type below and include all system requirements on sheet noted *WSEC Section M1505.4* Sheet: A.1.1

Exhaust fans *WSEC 1505.4.1.2* Supply fans *WSEC 1505.4.1.3* Balanced system *WSEC 1505.4.1.4* Other permitted system

REQUIRED SPECIAL INSPECTIONS
 The Applicant shall complete the following section. One of the options below must be selected prior to permit intake. Chapter 17 of the International Building Code (IBC) requires Special Inspection to evaluate components of construction that are critical to the safety of the structure. The project owner shall be responsible for contracting with and hiring the Special Inspection agents. Structural Special Inspectors are required to be certified by the Washington Association of Building Officials (WABO). Geotechnical Special Inspectors shall be a licensed Washington State Professional Engineer. Where Special Inspection is required, all reports shall be emailed to InspectionReports@mercergov.org and provided to the City Building Inspector at time of the City inspection.

Inspections by the City Building Inspector are required in addition to the Special Inspection.
Do not cover or conceal any work prior to the City inspection.

PRESCRIPTIVE DESIGN
 This project is entirely non-structural, or is designed following the prescriptive gravity and lateral provisions of the International Residential Code (IRC) only. There are no engineered components that have been designed to the IRC or its referenced standards, e.g. American Concrete Institute (ACI), National Design Specifications (NDS), etc. No Special Inspections are required by IRC.

MINOR STRUCTURAL WORK
 This project has limited engineered design as permitted by IRC Section R301.1.3 and the construction is of a minor nature as excepted by IRC Section 1704.2. This option must be reviewed and accepted by the building official prior to permit issuance and shall be reevaluated for project revisions and deferred submittals.

ENGINEERED DESIGN
 This project is engineered to the provisions of the IBC and its referenced standards. Per IBC Chapter 17, a *Statement of Special Inspection* shall be completed by the Registered Design Professional (RDP) in responsible charge. The *Statement of Special Inspections on coversheet SF2* has been reviewed and completed by the RDP.

REQUIRED STRUCTURAL OBSERVATION
Structural Observation may be required by the Registered Design Professional (RDP) in responsible charge or by the building official per IBC Section 1704.6.1. The RDP shall submit written statements to the building official prior to the commencement of observations (identifying frequency and extent of observations) and at the conclusion of work included in the permit (describing the site visit(s) performed and identifying any deficiencies that have not been resolved). Submit all statements to inspectionreports@mercerisland.gov

Structural Observation for this project is required by the:
 Registered Design Professional Building Official *(City use only)*

GEOTECHNICAL INFORMATION
 Per Mercer Island City Code, designated geologic hazard areas require a geotechnical report and a statement of risk from a geotechnical professional be included with the project submittal. Refer to MICC 19.07.160 (B)(3) for statement of risk, and City GIS at <https://www.mercerisland.gov/igs> for hazard mapping. Some proposals may require a site restoration bond.

NO GEOTECHNICAL REPORT REQUIRED
 No geotechnical report is required due to either: 1. The absence of geologic hazards on site or 2. Scope of project does not include foundation construction, excavation, or alterations to a hazard (if a report is available or referenced it should be provided)

GEOTECHNICAL REPORT IS REQUIRED AND INCLUDED WITH SUBMITTAL
 A geotechnical report is required and has been provided. All construction must comply with the recommendations of the geotechnical report, and a copy of the report and any other geotechnical information must be kept on site at all times.

Geotechnical Engineer: MARC MCGINNIS Phone: 425.747.5618 Project or report #: 25288

SEASONAL DEVELOPMENT LIMITATION - MICC 19.07.160(F)(2) limits certain development between Oct 1 and Apr 1
 An application for Seasonal Development Limitation Waiver will be submitted and approved prior to any such activity.
 No grading or excavation will occur between October 1st and April 1st. SDL waiver not applicable.

The City requires an applicant paid peer review when the Building Official determines any of the following are present:

- Advanced excavation or foundation systems, i.e. soil nail walls, tieback shoring systems, etc.
- Foundation systems not supported on competent soils, i.e. over-excavation, soil preloading, etc.
- Projects that require slope stability analysis or those which could pose a significant risk to adjacent properties or structures.
- Where liquefaction presents significant risk (at waterfront or other high water table with seismic mapping)

GENERAL REQUIREMENTS FOR NEW SINGLE FAMILY BUILD DEMOLITION/REBUILD ADDITION REMODEL REPAIR DOCK SITE IMPROVEMENTS SEISMIC RETRO
 Construction of the project shall be from **approved plans only**. No deviation from the approved project plans is allowed without prior approval from the City of Mercer Island. Approved plans must be kept on site and maintained in good condition.

Refer to "Conditions of Permit Approval" provided at permit issuance for required construction rules and regulations, including:
 • Site Considerations • ROW restrictions • Additional Fire Code Requirements
 • Hours of Work • Drainage Requirements • Planning Requirements
 • Construction Vehicle Parking Restrictions • Sewer Requirements • Noise Abatement Certification
 • Access Road Requirements • Water Service Requirements • Tree Requirements

PRECONSTRUCTION MEETING REQUIRED. Refer to the "Preconstruction Meeting Checklist" notes for additional requirements.
 Temporary site address with minimum 6" high numbers visible from the street must be installed.
 Erosion control measures must be as shown on approved project drawings. All erosion control is to be in place and inspected prior to the start of any work.
 A City of Mercer Island Business License is required for all subcontractors. Call (206) 275-7602 for more information.
 Additional rockeries, patios, gravel or concrete paths, and other hardscape revisions to the project shall be submitted to the City for review and approval prior to installation.

LEGAL NONCONFORMANCE/STORMWATER THRESHOLD
 Certain thresholds in the Land Use Code (MICC 19) or Stormwater Code (MICC 15.09) can have a significant impact on the requirements to conform with current code. Take special care to conform to the construction documents as-issued to avoid additional improvements.

This project includes modification of legally nonconforming structures - MICC 19.01.050
 This project retains existing construction to limit calculation of *New Plus Replaced Hard Surface* - MICC 15.09

TREE REQUIREMENTS
 TREE REMOVAL NOT SHOWN ON APPROVED PLAN MAY REQUIRE A SEPARATE TREE PERMIT - REFER TO MICC 19.10
 Tree protection as shown on approved drawings shall be installed at tree dripline prior to start of any site work and must remain in place throughout the project. Tree damage due to failure to follow approved plans shall result in fines per MICC 19.19.160.
 Replacement conifer trees must be a minimum of six feet tall at installation. Deciduous trees must have a minimum caliper of 1-1/2 inches. They must be planted and approved prior to final inspection.
 For this project, _____ trees are authorized to be removed and replaced with _____ trees.
 This project may be within a protected eagle nest area. Contact Federal Fish and Wildlife at (360) 534-9304 or visit their website at www.fws.gov/pacific/eagle.

FIRE PROTECTION REQUIREMENTS
 Separate Permits are required for ALL fire protection systems. Fire Inspections can be requested at eastsidefire-rescue.org using the QR above, and require 48 hour advanced notice. Do not request fire inspections via MBP or on the general inspection line.

Fire Sprinkler _____
 NFPA 13D _____
 Full Coverage _____
 NFPA 13R _____
 NFPA 13 _____
 Approved Fire Code Alternatives (FCA):
 FCA1 _____
 FCA2 _____

Monitored Household _____
 Fire Alarm per NFPA 72 _____
 Monitored Sprinkler _____
 Water Flow Alarm _____
 Other: _____
 FCA3 _____
 FCA4 _____

WATER SERVICE REQUIREMENTS
 New or upsized water supply system required.
 Water service pre-con meeting and parts inspection are required prior to scheduling the water tap with the City. Schedule these inspections under the water service permit
 Applicant Installation:
 Minimum Service Line Size (main to meter): _____
 Minimum Supply Line Size (meter to house): _____
 Minimum Required Meter Size: _____
 Abandonment of existing service and meter required at main.
 City Inspector must verify water supply line (water meter to the house) sizing prior to final inspection. Upsizing may be required.

Additional water supply requirements:
 Contractor shall provide water supply that meets the required fire sprinkler system fire flow. Fire calculations or fire flow testing outcome may require a larger water service/meter or water supply line.
 Pressure reducing valve required if water pressure exceeds 80 psi.
 Reduced pressure backflow assembly (RPBA) required for all waterfront lots and for lots with potential connection to non-city water supply. See mercerisland.gov/backflow

For additional information about Water Service Inspection process: <https://www.mercerisland.gov/cpd/page/water-service>

STORMWATER MANAGEMENT
 The storm drainage system shown on the approved plans shall be constructed and approved by the City Inspector prior to the construction of the roof, driveway, and other impervious surface that generate runoff from the project.

Dispersion / Infiltration system _____
 On-site detention system (MR #5) _____
 Direct discharge to lake _____
 Rain Garden / Bioretention / Permeable Pavement _____
 Flow control system (MR #7) _____

Run-off treatment (MR #8) _____
 Connect / Extend public drainage system _____
 Full size storm drainage as-built _____
 Drainage review not required _____
 Other: _____

SIDE SEWER REQUIREMENTS
 Side sewer requires a backflow preventer due to: a connection to the lake line, or elevation of the lowest plumbing fixture is lower than the elevation of the upstream manhole rim, or side sewer is shared with one or more properties
 Video tape of existing sewer required (see standard details)
 New connection Connect to existing Disconnect permit required Reconnect permit required
 Other: _____

APPROVED CODE ALTERNATIVES
 Code alternatives must be approved by the Building Official prior to permit issuance. All code alternatives must be inspected. Refer to the adjacent Required Construction Inspections checklist.

CA1: _____ CA2: _____

PROJECT ALERTS AND NOTES TO INSPECTORS

WILDLAND/URBAN INTERFACE
 -RESERVED FOR FUTURE USE-

REQUIRED CONSTRUCTION INSPECTIONS
 It is the applicant's responsibility to contact CPD to schedule ALL inspections applicable to the project. Request inspections online at www.MyBuildingPermit.com or by calling the Inspection Hotline at (206) 275-7730. Each MBP inspection type is in [square brackets]. Refer to FIRE PROTECTION REQUIREMENTS for information on scheduling a fire inspection.

Inspections marked with "*" are not building permit inspections, and should be requested under the appropriate permit number. Refer to the packet provided at permit issuance or search by address at mybuildingpermit.com for other issued permit numbers.
INSPECTIONS: (Listed in order of typical sequencing)

Inspector	Date	Approved	Inspection Description	MBP.com Inspection Name	PARTIAL 1	PARTIAL 2	PARTIAL 3
_____	_____	<input type="checkbox"/>	Pre-construction Meeting to Review Conditions of Permit Approval	[PRE-CON MTG GENERAL]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Tree protection	[TREE PROTECTION]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Erosion control	[EROSION CNTRL]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Sewer disconnect and cap	[SIDE SEWER DISCONNECT]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Right-of-way use or work / easement, material delivery, etc. If applicable, separate ROW permit required	[ROW OR UTILITY IMPRO]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Land clearing, grading and demolition	[FINAL DEMO]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Pilings / Shoring / Shotcrete. If applicable, provide survey letter (property line); Geotechnical Engineer / Special Inspector reports of inspections (pile and shoring installation, etc.)	[FOUNDATION WALLS/CON]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Footings, setbacks, UFER ground. If applicable, provide survey letter (building height and setbacks); Special Inspector reports of inspections (soil bearing capacity, compaction, earthwork, pile installation, etc.)	[FOOTINGS, SETBACKS, U]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Foundation walls / concrete columns	[FOUNDATION WALLS/CON]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Roof and footing drains	[CONVEYANCE FACILITY]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Foundation damproofing	[FOUND DAMP PROOFING]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Storm drainage, including (but not limited to) * Connections to storm main in ROW * Area drains * Det systems / Conveyance / Flow control * Storm drain in ROW * Infiltration systems / L.I.D. systems * Pump systems * Catch basins * Retaining wall drainage	[CONVEYANCE FACILITY]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Water Service	[3. WATER SERVICE TAP]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Water Supply	[WATER SUPPLY LINE]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Side sewer installation, including (but not limited to) * Connections to side sewer main * Back-flow valves * Connections to existing side sewer * Grinder pump systems	[SIDE SEWER INSTALLAT]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Driveway / Access road	[ROW OR UTILITY IMPRO]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Underslab electrical / mechanical / plumbing	[UNDER-SLAB ELECT/MEC]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Underslab insulation / vapor barrier / reinforcing	[UNDER-SLAB INSULATION]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Underfloor framing	[UNDER-FLOOR FRAMING]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Nailing-Roof sheathing (See SF2 for Required Agency Inspection)	[NAILING-ROOF SHEATHING]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Shear wall construction (See SF2 for Required Agency Inspection)	[NAILING-EXTERIOR WALL]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Rough hydronic installation	[ROUGH HYDRONIC PIPIN]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Rough electric installation	[ROUGH ELECTRIC]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Rough fire alarm (wiring inspection)	[ROUGH-IN LOW VOLTAGE]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Rough plumbing installation (DWW, water)	[ROUGH PLUMBING]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Rough mechanical	[ROUGH MECHANICAL/HVA]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Electrical service	[ELECTRICAL SERVICE]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	GAS Piping & Test	[GAS PIPING/TEST]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Rough fire sprinkler / hydrostatic and flow (bucket) test	[ROUGH SPRINKLER RES/STATUS]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Framing and glazing. (See SF2 for Required Agency Inspection)	[FRAMING (& GLAZING)]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Masonry construction (fireplace / walls / veneer / etc.)	[MASONRY]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Insulation installation	[INSULATION]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Stucco (paper and lath)	[STUCCO]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Shower pan (or tub)	[SHOWER PAN (OR TUB)]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Weather exposed balcony and walking surface waterproofing	[ROOF DECK WATERPROOFING]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Code Alternative CA1	[CODE ALT 1]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	Code Alternative CA2	[CODE ALT 2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FINAL INSPECTIONS

Inspector	Date	Final Tree Inspection: Tree Restoration [FINAL_TREE]	Inspector	Date	TCO APPROVALS
_____	_____	<input type="checkbox"/>	_____	_____	<input type="checkbox"/> [TCO_TREE]
_____	_____	<input type="checkbox"/>	_____	_____	<input type="checkbox"/> [TCO_FIRE]
_____	_____	<input type="checkbox"/>	_____	_____	<input type="checkbox"/> [TCO_CIVIL]
_____	_____	<input type="checkbox"/>	_____	_____	<input type="checkbox"/> [TCO_BLDG]

90 DAY TEMPORARY CERTIFICATE OF OCCUPANCY (TCO)
 Applicant option. Additional fees required. All TCO Approvals above must be complete.

Approved _____ Start Date _____ End Date _____

ADDITIONAL REQUIRED CITY INSPECTIONS
 Use the contact information below to arrange these additional inspections.

Required Inspection(s):	Contact:	Contact email:
_____	_____	_____
_____	_____	_____

IMPACT FEES
 If required for the project but deferred beyond permit issuance.

Impact fees apply and are due **prior** to Final Inspection or on _____, whichever occurs first.

PLAN REVIEW APPROVALS
 Not all review disciplines may be required to review the documents.

Building	Planning	Engineering	Tree	Fire
_____	_____	_____	_____	_____
Date _____	Date _____	Date _____	Date _____	Date _____

TO BE COMPLETED BY APPLICANT TO BE COMPLETED BY CITY

SF1 BUILDING PERMIT NUMBER

PROJECT NAME: ALPAY RESIDENCE

PROJECT ADDRESS: 5419 96TH AVE SE, MERCER ISLAND, WA 98040

CERTIFICATE OF OCCUPANCY
 Issued after all required inspections have been performed and approved.

APPROVED DRAWINGS MUST BE KEPT ON THE BUILDING SITE AT ALL TIMES

REVIEWED FOR CODE COMPLIANCE



REQUIRED SPECIAL INSPECTIONS

Indicate on the form below the required Special Inspections for this project. Special Inspections are regulated by IBC Section 1705. If the method of construction is included in project scope, the inspections are required.

REGISTERED DESIGN PROFESSIONAL

IBC Section 1704.2.3 requires the Registered Design Professional (RDP) in Responsible Charge to complete a *Statement of Special Inspections*. For City of Mercer Island permitting purposes, submitting this document is confirmation that the RDP has completed and reviewed the Special Inspections requirements and acknowledges this information complies with IBC Section 1705.

Name: DANIEL BUKER License Number: 44090 License Type: STRUCTURAL ENG. License Expiration: 4/4/2026

SPECIAL INSPECTION DESCRIPTION

SPECIAL INSPECTION DESCRIPTION	REFERENCES	REQUIRED	FREQUENCY
ALTERNATIVE MATERIALS AND SYSTEMS (IBC 1705.1)			
Construction materials and systems that are alternatives to materials and systems prescribed by the IBC.	AISC 360 Chapter N	<input type="checkbox"/>	Per Standard
Unusual design applications of materials described in the code.	AISC 360 Section NS (1)	<input type="checkbox"/>	Per Standard
Materials and systems required to be installed in accordance with additional manufacturer's instructions that prescribe requirements not contained in the IBC or in standards referenced by the IBC.	AISC 360 Section NS (2)	<input type="checkbox"/>	Per Standard

SPECIAL INSPECTION DESCRIPTION

SPECIAL INSPECTION DESCRIPTION	REFERENCES	REQUIRED	FREQUENCY
STEEL CONSTRUCTION (IBC 1705.2)			
Structural Steel: Special Inspections for structural steel shall be in accordance with the inspection requirements of AISC 360 Chapter N.	AISC 360 Chapter N	<input type="checkbox"/>	Per Standard
<i>Quality Control: Procedures specified by the fabricator and erector to ensure that work is performed in accordance with AISC specification and the construction documents</i>	AISC 360 Section NS (1)	<input type="checkbox"/>	Per Standard
<i>Quality Assurance: Review and inspection performed by an agency hired by the owner to ensure work is performed in accordance with the construction documents</i>	AISC 360 Section NS (2)	<input type="checkbox"/>	Per Standard
Cold Formed Steel Deck: Special Inspections and qualifications or welding special inspectors for cold form set floor and roof deck shall be in accordance with Steel Deck Institute QA/QC.	Steel Deck Institute QA/QC	<input type="checkbox"/>	Per Standard
Open-Web Steel Joists and Joist Girders: Bridging: horizontal or diagonal.	SII Specification per IBC 2207.1	<input type="checkbox"/>	Periodic
Standard Bridging.	SII Specification per IBC 2207.1	<input type="checkbox"/>	Periodic
Bridging that differs from SII Specifications listed in Section 2207.1.	SII Specification per IBC 2207.1	<input type="checkbox"/>	Periodic
Temporary and permanent restraint / bracing of cold-formed trusses over 60 feet.	IBC 1705.2.4	<input type="checkbox"/>	Periodic

CONCRETE CONSTRUCTION (IBC 1705.3)^a

SPECIAL INSPECTION DESCRIPTION	REFERENCES	REQUIRED	FREQUENCY
Inspect reinforcement, including prestressing tendons, and verify placement	ACI 318 Ch 20, 25.2, 25.3, 26.5.1-26.5.3	<input type="checkbox"/>	Periodic
Reinforcing bar welding: Verify weldability of reinforcing bars other than ASTM A706. Inspect single-pass fillet welds, maximum 5/16 inches.	AWS D1.4 ACI 318 Ch 26.6.4	<input type="checkbox"/>	Periodic
Inspect all other welds.	AWS D1.4 ACI 318 Ch 26.6.4	<input type="checkbox"/>	Continuous
Inspect anchors cast in concrete.	ACI 318 Ch 17.8.2	<input type="checkbox"/>	Periodic
Anchors post-installed in hardened concrete members: Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. All other post-installed mechanical and adhesive anchors.	ACI 318 Ch 17.8.2.4	<input type="checkbox"/>	Continuous
Verify use of required design mix.	ACI 318 Ch 17.8.2	<input type="checkbox"/>	Periodic
Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	ACI 318 Ch 19, 26.4.3, 26.4.4; IBC 1904.1, 1904.2, 1908.2, 1908.3	<input type="checkbox"/>	Periodic
Inspect concrete and shotcrete placement for proper application techniques.	ACI 318 Ch 26.5	<input type="checkbox"/>	Continuous
Verify maintenance of specified curing temperature and techniques.	ACI 318 Ch 26.5-26.5.5	<input type="checkbox"/>	Periodic
Prestressed concrete: Application of prestressing forces.	ACI 318 Ch. 26.10	<input type="checkbox"/>	Continuous
Grouting of bonded prestressing tendons.	ACI 318 Ch. 26.10	<input type="checkbox"/>	Continuous
Inspect erection of precast concrete members.	ACI 318 Ch. 26.9	<input type="checkbox"/>	Periodic
Precast concrete diaphragm connections	ACI 318 Ch. 26.13.1.3	<input type="checkbox"/>	Periodic
Precast diaphragm installation tolerances	ACI 550.5	<input type="checkbox"/>	Continuous
Verify in-situ concrete strength prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	ACI 318 Ch. 26.11.2	<input type="checkbox"/>	Periodic
Inspect formwork for shape, location and dimensions of the concrete member being formed	ACI 318 Ch. 26.11.2(b)	<input type="checkbox"/>	Periodic

MASONRY CONSTRUCTION (IBC 1705.4)^b

SPECIAL INSPECTION DESCRIPTION	REFERENCES	REQUIRED	FREQUENCY
Empirically designed masonry, glass unit masonry, or masonry veneer as part of a Risk Category IV structure requiring Level B Quality Assurance per ACI 530	ACI 530 Chapter 3 IBC 1705.4	<input type="checkbox"/>	Per Standard
Vertical masonry foundation elements requiring Quality Assurance per ACI 530	ACI 530 Chapter 3 IBC 1705.4	<input type="checkbox"/>	Per Standard

WOOD CONSTRUCTION (IBC 1705.5)

SPECIAL INSPECTION DESCRIPTION	REFERENCES	REQUIRED	FREQUENCY
High-Load diaphragms: Panel thickness, framing member sizes, and nail or staple diameters and patterns (includes any diaphragms utilizing more than one row of fasteners at edges designed per IBC Section 2306.2/SDPHS 4.2.7.1.2).	IBC 1705.5.1	<input type="checkbox"/>	Periodic
Metal-plate-connected wood trusses spanning 60 feet or greater: Verify temporary and permanent individual truss member restraint / bracing are installed in accordance with approved truss submittal package.	IBC 1705.5.2	<input type="checkbox"/>	Periodic
Mass timber construction per IBC Table 1705.5.3	IBC 1705.5.3	<input type="checkbox"/>	Periodic
Mass timber (upwardly inclined adhesive anchors)	IBC 1705.5.3	<input type="checkbox"/>	Continuous

APPROVALS

Special Inspector sign-off

City Inspector sign-off

Special Inspector sign-off

City Inspector sign-off

Special Inspector sign-off

City Inspector sign-off

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SPECIAL INSPECTION DESCRIPTION

SPECIAL INSPECTION DESCRIPTION	REFERENCES	SPECIAL INSP REQUIRED	FREQUENCY
SOILS (IBC 1705.6)			
Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Geotechnical Report	<input type="checkbox"/>	Periodic
Verify excavations are extended to proper depth and have reached proper material.	Geotechnical Report	<input type="checkbox"/>	Periodic
Perform classification and testing of compacted fill materials.	Geotechnical Report	<input type="checkbox"/>	Periodic
Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	Geotechnical Report	<input type="checkbox"/>	Continuous
Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	Geotechnical Report	<input type="checkbox"/>	Periodic

DRIVEN DEEP FOUNDATIONS (IBC 1705.7)

SPECIAL INSPECTION DESCRIPTION	REFERENCES	SPECIAL INSP REQUIRED	FREQUENCY
Verify element materials, sizes and lengths comply with the requirements noted in the drawings and geotechnical report.	Geotechnical Report, Construction Documents	<input type="checkbox"/>	Continuous
Determine capacities of test elements and conduct additional load tests, as required.	Geotechnical Report, Construction Documents	<input type="checkbox"/>	Continuous
Inspect driving operations and maintain complete and accurate records for each element.	Geotechnical Report, Construction Documents	<input type="checkbox"/>	Continuous
Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element.	Geotechnical Report, Construction Documents	<input type="checkbox"/>	Continuous
For steel elements, perform additional Special Inspections in accordance with Section 1705.2.	Geotechnical Report, Construction Documents	<input type="checkbox"/>	Continuous
For concrete elements and concrete-filled elements, perform additional Special Inspections in accordance with Section 1705.3.	Geotechnical Report, Construction Documents	<input type="checkbox"/>	Continuous
For specialty elements, perform additional Special Inspections as determined by the Registered Design Professional in responsible charge.	Geotechnical Report, Construction Documents	<input type="checkbox"/>	Continuous

CAST-IN-PLACE DEEP DRIVEN FOUNDATIONS (IBC 1705.8)

SPECIAL INSPECTION DESCRIPTION	REFERENCES	SPECIAL INSP REQUIRED	FREQUENCY
Inspect drilling operations and maintain complete and accurate records for each element	Geotechnical Report, Construction Documents	<input type="checkbox"/>	Continuous
Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable), and adequate end-bearing strata capacity. Record concrete or grout volumes.	Geotechnical Report, Construction Documents	<input type="checkbox"/>	Continuous
For concrete elements, perform additional Special Inspections in accordance with Section 1705.3.	Geotechnical Report, Construction Documents	<input type="checkbox"/>	Continuous

HELICAL PILE FOUNDATIONS (IBC 1705.9)

SPECIAL INSPECTION DESCRIPTION	REFERENCES	SPECIAL INSP REQUIRED	FREQUENCY
Record installation equipment used, pile dimension, tip elevations, final depth, final installation torque and other pertinent installation information as determined by the Registered Design Professional in responsible charge.	Geotechnical Report, Construction Documents	<input type="checkbox"/>	Continuous

SPECIAL INSPECTION FOR WIND RESISTANCE (IBC 1705.11)^c

SPECIAL INSPECTION DESCRIPTION	REFERENCES	SPECIAL INSP REQUIRED	FREQUENCY
Structural wood wind resistance elements: Field gluing of wood elements of the windforce-resisting system.	IBC 1705.11.1, Construction Documents	<input type="checkbox"/>	Continuous
Nailing, bolting, anchoring and other fastening of wood elements of the main windforce-resisting system, including wood shear walls, wood diaphragms, drag struts, braces and hold-downs.	IBC 1705.11.1, Construction Documents	<input type="checkbox"/>	Periodic
Cold-formed steel light-frame wind resistance elements: Welding operations of cold-formed steel light-frame elements of the main windforce-resisting system.	IBC 1705.11.2, Construction Documents	<input type="checkbox"/>	Periodic
Screw attachment, bolting, anchoring, and other fastening of elements of cold-formed steel light-frame elements of the main windforce-resisting system, including shear walls, braces, diaphragms, drag struts and hold-downs.	IBC 1705.11.2, Construction Documents	<input type="checkbox"/>	Periodic
Fastening of the following systems and components: Roof covering, roof deck and roof framing connections.	IBC 1705.11.3 (1), Construction Documents	<input type="checkbox"/>	Periodic
Exterior wall covering and wall connections to roof and floor diaphragms and framing.	IBC 1705.11.3 (2), Construction Documents	<input type="checkbox"/>	Periodic

SPECIAL INSPECTION FOR SEISMIC RESISTANCE (IBC 1705.12)^d

SPECIAL INSPECTION DESCRIPTION	REFERENCES	SPECIAL INSP REQUIRED	FREQUENCY
Structural steel seismic force-resisting systems: Special Inspections of MFRS shall be in accordance with AISC 341 Chapter J. Submit all documents referenced in Section J3 "Quality Assurance Agency Documents" to the city for review.	IBC 1705.12.1.1, AISC 341 Seismic Provisions for Structural Steel Buildings	<input type="checkbox"/>	Per Standard
Special inspection of structural steel elements shall be in accordance with AISC 341 Chapter J. Submit all documents referenced in Section J3 "Quality Assurance Agency Documents" to the city for review.	IBC 1705.12.1.2, AISC 341 Seismic Provisions for Structural Steel Buildings	<input type="checkbox"/>	Per Standard
Structural wood seismic force-resisting systems: Special inspection during field gluing operations for elements of the seismic force-resisting system.	IBC 1705.12.2 (1)	<input type="checkbox"/>	Continuous
Special inspection required for nailing, bolting, anchoring, and other fastening of elements of the seismic force-resisting system including wood shear walls, wood diaphragms, drag struts, braces, shear panels and hold-downs.	IBC 1705.12.2 (2)	<input type="checkbox"/>	Periodic
Cold-formed steel light-frame seismic force-resisting systems: Special inspection during welding operations for elements of the seismic force-resisting system.	IBC 1705.12.3 (1)	<input type="checkbox"/>	Periodic
Special inspection required for screw attachment, bolting, anchoring, and other fastening of elements of the seismic force-resisting system including shear walls, drag struts, braces, diaphragms and hold-downs.	IBC 1705.12.3 (2)	<input type="checkbox"/>	Periodic

SPRAYED FIRE-RESISTANT MATERIALS (IBC 1705.14)

SPECIAL INSPECTION DESCRIPTION	REFERENCES	SPECIAL INSP REQUIRED	FREQUENCY
Special inspection and testing shall be per IBC Sections 1705.14.1 through 1705.14.6 as applicable.	IBC 1705.14	<input type="checkbox"/>	Continuous

MASTIC AND INTUMESCENT FIRE RESISTANT COATINGS (IBC 1705.15)

SPECIAL INSPECTION DESCRIPTION	REFERENCES	SPECIAL INSP REQUIRED	FREQUENCY
Special inspection is required for fire-resistant coatings applied to structural elements and decks.	AWC 12-8, Construction Documents	<input type="checkbox"/>	Continuous

EXTERIOR INSULATION AND FINISH SYSTEMS (IBC 1705.16)

SPECIAL INSPECTION DESCRIPTION	REFERENCES	SPECIAL INSP REQUIRED	FREQUENCY
Special inspection and testing shall be provided for all EIFS applications.	ASTM E 570	<input type="checkbox"/>	Continuous
Special inspection is required for water-resistive barrier complying with ASTM E 2570 when installed over a sheathing substrate.	ASTM E 2570	<input type="checkbox"/>	Continuous

g. Special inspection not required for EIFS applications where installed over water-resistive barrier with a means of draining moisture to the exterior.

h. Special inspection is not required for EIFS applications installed over masonry or concrete walls.

MERCER ISLAND REQUIRED AGENCY INSPECTIONS:
 Reports documenting the quality of these types of construction are required by the Building Official as authorized by IRC Section R104.4x. The reports must be prepared by a WABO certified inspector for the specific type of construction, as indicated in the description, or as otherwise authorized by the Building Official.

AGENCY INSPECTION DESCRIPTION	REFERENCES	AGENCY INSPECTION REQUIRED	FREQUENCY
EXTERIOR PLASTER (IRC 703.7)¹			
Installation: Lath and lath attachment.	ASTM C 926, ASTM C 1063 IRC R703.7.1	<input type="checkbox"/>	Periodic
Portland Cement plaster mix, number of coats, thickness of coats.	IRC Tables R702.1(1), 702.1(3)	<input type="checkbox"/>	Periodic
Weep screed material, attachment and location.	ASTM C 926, IRC R703.7.2.1	<input type="checkbox"/>	Periodic
Water resistive barrier installation, flashing installation, and drainage.	IRC R703.2, IRC R703.4, IRC R703.7.3	<input type="checkbox"/>	Periodic
Application of each coat and minimum curing.	ASTM C 926, IRC R703.7.4, IRC R703.7.5	<input type="checkbox"/>	Periodic

AGENCY INSPECTION DESCRIPTION	REFERENCES	AGENCY INSPECTION REQUIRED	FREQUENCY
EXTERIOR INSULATION AND FINISH SYSTEM (IRC 703.7)¹			
Installation: Installed in accordance with EIFS manufacturer's instructions.	ASTM E 2568 IRC R703.9	<input type="checkbox"/>	Periodic
Drainage provided over all wall assemblies except substrates of masonry or concrete. Drainage shall have a 90 percent efficiency. EIFS and EIFS drainage shall terminate not less than 6 inches above finish grade.	ASTM 2275, ASTM E 2570, IRC R703.2	<input type="checkbox"/>	Periodic
Flashing shall be provided per IRC R703.8. Decorative trim shall not be face-nailed through the EIFS.	IRC R703.8, IRC R703.4, IRC R703.7.3	<input type="checkbox"/>	Periodic

AGENCY INSPECTION DESCRIPTION	REFERENCES	AGENCY INSPECTION REQUIRED	FREQUENCY
LATERAL RESISTING SYSTEM			
Installation: Shearwall and diaphragm sheathing, panel edge and field nailing.	Construction Documents	<input type="checkbox"/>	Periodic
Lateral load path continuity, i.e. roof and floor diaphragm to shearwall top plate below, shearwall to foundation.	Construction Documents	<input type="checkbox"/>	Periodic
Collector / drag strut nailing and connections. Holddown installation and location.	Construction Documents	<input type="checkbox"/>	Periodic

AGENCY INSPECTION DESCRIPTION	REFERENCES	AGENCY INSPECTION REQUIRED	FREQUENCY
RESIDENTIAL WASHINGTON STATE ENERGY CODE			
Air Leakage Control: Tested and verified as having an air leakage rate not exceeding 5 air changes per hour.	WSEC R402.4.1.2	<input type="checkbox"/>	Periodic
Tested and verified as having an air leakage rate not exceeding 3 air changes per hour as required by Energy Credit 2a.	WSEC R402.4.1.2, WSEC Table 406.3	<input type="checkbox"/>	Periodic
Tested and verified as having an air leakage rate not exceeding 2 air changes per hour as required by Energy Credit 2b.	WSEC R402.4.1.2, WSEC Table 406.3	<input type="checkbox"/>	Periodic
Tested and verified as having an air leakage rate not exceeding 1.5 air changes per hour as required by Energy Credit 2c.	WSEC R402.4.1.2, WSEC Table 406.3	<input type="checkbox"/>	Periodic
Duct testing shall be provided in accordance with WSSU RS-33 using the maximum duct leakage rates specified in WSEC R403.3.4. Written results shall be signed by the tester and provided to the code official.			