(206) 275-7605 WWW.MERCERISLAND.GOV/CPD

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T	online via QR code
IT	or voicemail
	FIRE INSPECTION
	(206) 275-7979
	ALL OTHER INSPECTIO
	(206) 275-7730

Request inspections	同の念を同
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/ APPLICANT BY CITY

TO BE COMPLETED BY
TO BE COMPLETED

WILDLAND/URBAN INTERFACE

-RESERVED FOR FUTURE USE-

INSPECTION REQUESTS

PROJECT DESCRIPTION	Selby primary suite & garage addition.

This scope should match the	The state of the s
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)

Email: staylor@dyna.builders	Phone: 206-297-6369
Email: staylor@dyna.builders	Phone: 206-297-6369
Email: NTrygstad@ctengineering.com	Phone: 208-262-6884
Email:	Phone:
	Email: staylor@dyna.builders Email: NTrygstad@ctengineering.com

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 trussesMetal joist / metal trussesPremanufactured structures (stairs, etc.)	Exterior claddingWindow wall / curtain wall constructionOther:			

CENTERCY CORE AND VALIDLE HOUSE VENTUATION 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: T 1.0
Energy Credit Information- Include complete information on plan for options selected and equipment specified WSEC Tables 406.2 and 406.3	Sheet: T 1.0
☐ No Credits Required ☐ Small Dwelling Unit ☐ Medium Dwelling Unit ☐ Large Dwelling Unit	
New Construction Tests- The following are mandatory testing and reporting requirements of WSEC Ch 4 for new construction	
 Certificate of Energy Efficiency wsec R401.3 Duct Leakage Testing wsec R403.3.5 Air Leakage Testing wsec R402.4. 	1.2
☐ Air Leakage test report not to exceed 5 changes per hour wsrc 1505.4.1.2 ☐ Air Leakage per selected en	ergy credits
Whole House Ventilation- Specify system type below and include all system requirements on sheet noted WSRC Section M1505.4	Sheet: T 3.0

🗵 Exhaust fans wsrc 1505.4.1.2 🔲 Supply fans wsrc 1505.4.1.3 🔲 Balanced system wsrc 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 nspectors 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 IBC 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 IBC 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

X 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 absense 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

_ // Scotteelimeal report is required and	a nas been provided. 7 m co	instruction must compry with the rec	ommendations of th
geotechnical report, and a copy of th	ne report and any other geo	otechnical information must be kept	on site at all times.
Geotechnical Engineer:	Phone:	Project or report #·	

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

NERAL REQUIREMENTS FOR 🗆 NEW SINGLE FAMILY BUILD 🗆 DEMOLITION/REBUILD 🗆 ADDITION 🗀 REMODEL 🗆 REPAIR 🗆 DOCK 🗆 SITE IMPROVEMENTS 🗆 SEISMIC RETRO
struction 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.
roved plans must be kept on site and maintained in good condition.

·	LE FAMILY BUILD DEMOLITION/REBUILD eviation from the approved project plans is allowed without prior approved on.
Refer to "Conditions of Permit Approval" provided at permit iss	ons
GAL NONCONFORMANCE/STORMWATER 1	THRESHOLD Code (MICC 15.09) can have a significant impact on the requirements
	construction documents as-issued to avoid additional improvements.
This project includes modification of legally nonconforming strThis project retains existing construction to limit calculation of	
REE REQUIREMENTS	
in place throughout the project. Tree damage due to failure to Replacement conifer trees must be a minimum of six feet tall at 1-1/2 inches. They must be planted and approved prior to final For this project, trees are authorized to be removed This project may be within a protected eagle nest area. Contac www.fws.gov/pacific/eagle. RE PROTECTION REQUIREMENTS	lled at tree dripline prior to start of any site work and must remain follow approved plans shall result in fines per MICC 19.19.160. It installation. Deciduous trees must have a minimum caliper of inspection. and replaced with trees. It Federal Fish and Wildlife at (360) 534-9304 or visit their website at inspections can be requested by calling (206) 275-7979 and require
Fire Sprinkler	☐ Monitored Household
☐ NFPA 13D ☐ Full Coverage	Fire Alarm per NFPA 72 Monitored Sprinkler
□ NFPA 13R □ NFPA 13	Water Flow Alarm
Approved Fire Code Alternatives (FCA):	Other:
FCA1	FCA3
FCA2	FCA4
ATER 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 	non-city water supply. See mercensiand, gov/packnow
For additional information about Water Service Inspection proc	
FORMWATER MANAGEMENT e storm drainage system shown on the approved plans shall be construction of the roof, driveway, and other impervious surface that	
☐ Direct discharge to lake ☐ Rain Garden / Bioretention / Permeable Pavement	Run-off treatment (MR #8) Connect / Extend public drainage system Full size storm drainage as-builts Drainage review not required Other:
DE SEWER REQUIREMENTS	
than the elevation of the upstream manhole rim, or side sewe Video tape of existing sewer required (see standard details)	to the lake line, or elevation of the lowest plumbing fixture is lower or is shared with one or more properties Disconnect permit required Reconnect permit required
PPROVED CODE ALTERNATIVES Indee alternatives must be approved by the Building Official prior to be adjacent Required Construction Inspections checklist.	permit issuance. All code alternatives must be inspected. Refer to
CA1:	CA2:
ROJECT ALERTS AND NOTES TO INSPECTORS	

REQU	IRED CON	NSTRUCTION	ON INSPE	CTIONS

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

	: (Listed in order	r of typical sequencing)			L 2 L 3
Inspector Da	ite Approved	Inspection Description		MBP.com Inspection Name	PARTIAL PARTIAL PARTIAL
		Pre-construction Meeting to Review Condition	ons of Permit Approval	[PRE-CON MTG GENERAL]	
		Tree protection	ms of refiller approval	[TREE PROTECTION]	HHH
		Erosion control		[EROSION CNTROL]	
	* -	Sewer disconnect and cap		[SIDE SEWER DISCONNEC]	
	* -	Right-of-way use or work / easement, mater	ial deliverv.	[ROW OR UTILITY IMPRO]	
		etc. If applicable, separate ROW permit requ			
	*	Land clearing, grading and demolition		[FINAL DEMO]	
		Pilings / Shoring / Shotcrete. If applicable, pr	ovide survey letter	[FOUNDATION WALLS/CON]	
		(property line); Geotechnical Engineer / Spec		, ,	
		reports of inspections (pile and shoring insta	•		
		Footings, setbacks, UFER ground. If applicabl		[FOOTINGS, SETBACKS, U]	
		(building height and setbacks); Special Inspe	ctor reports of inspections	5	
		(soil bearing capacity, compaction, earthwor			
		Foundation walls / concrete columns		[FOUNDATION WALLS/CON]	
	*	Roof and footing drains		[CONVEYANCE FACILITIE]	
		Foundation damproofing		[FOUND DAMP PROOFING]	
	*	Storm drainage, including (but not limited to)	[CONVEYANCE FACILITIE]	
		 Connections to storm main in ROW 	° Area drains		
		° Det systems / Conveyance / Flow control	° Storm drain in ROW		
		•	° Pump systems		
		•	° Retaining wall drainage		
	*	Water Service	5	[3. WATER SERVICE TAP]	
		Water Supply		[WATER SUPPLY LINE]	
	*	Side sewer installation, including (but not lim	nited to)	[SIDE SEWER INSTALLAT]	
			° Back-flow valves	[SIDE SEWER INSTALLAT]	
			° Grinder pump systems		
			' ' '		
	*	Driveway / Access road		[ROW OR UTILITY IMPRO]	
		Underslab electrical / mechanical / plumbing		[UNDER-SLAB ELECT/MEC]	
		Underslab insulation / vapor barrier / reinfor	cing	[UNDER-SLAB INSULATIO]	
		Underfloor framing		[UNDER-FLOOR FRAMING]	
		Nailing-Roof sheathing (See SF2 for Required	Agency Inspection)	[NAILING-ROOF SHEATHING]	
		Shear wall construction (See SF2 for Require	d Agency Inspection)	[NAILING-EXTERIOR WALL]	
		Rough hydronic installation		[ROUGH HYDRONIC PIPIN]	
		Rough electric installation		[ROUGH ELECTRIC]	
	*	Rough fire alarm (wiring inspection)		[ROUGH-IN LOW VOLTAGE]	
		Rough plumbing installation (DWV, water)		[ROUGH PLUMBING]	
		Rough mechanical		[ROUGH MECHANICAL/HVA]	
		Electrical service		[ELECTRICAL SERVICE]	
		Gas Piping & Test		[GAS PIPING/TEST]	HHH
	* -	Rough fire sprinkler / hydrostatic and flow (b	ucket) test	[ROUGH SPRINKLER RES/STATUS]	HHH
		Framing and glazing. (See SF2 for Required A	•	[FRAMING (& GLAZING)]	THE
		Masonry construction (fireplace / walls / ven		[MASONRY]	THE
		Insulation installation	2017 20017	[INSULATION]	THE
		Stucco (paper and lath)		[STUCCO]	
		Shower pan (or tub)		[SHOWER PAN (OR TUB)]	
		Weather exposed balcony and walking surfa-	ce waterproofing	[ROOF DECK WATERPROOFING]	
		Code Alternative CA1		[CODE ALT 1]	
		Code Alternative CA2		[CODE ALT 2]	
	PECTION	IS		TCO APPROVA	LS
or Da			DEE1	Inspector Date	TOO TOE5
		al Tree Inspection: Tree Restoration [FINAL_T	_		[TCO_TREE]
		al Fire Inspection: Fire protection [FINAL FIRE orinkler	_ALL 3131EM3/ACCE33] • Fuel Tank Insta		[TCO_FIRE]
		ccess Road	° Fire Extinguish		
	`FI	re Code Alternatives (see below)] FCA1	° Fire Alarm Syst ☐ FCA3:	em	
		FCA2	☐ FCA3:		
				NAL CIVILI	TCO CIVILI
		al Civil Inspection: Site and utility, landscape,	utilities, KOVV, and Site [FI	NAL_CIVILI	[TCO_CIVIL]
		ter supply protection/Backflow devices for:	. Mallatan an	proporty	
		/aterfront property	Well water on	property	
	_	re / lawn sprinkler	• Boiler	ottors	TCO PLEC
	L Fina	al Building Inspection: [FINAL_BUILDING] prov	vide cioseout (summary) le		TCO_BLDG
	c	m Engineer, Special Inspectors, Geotechnical I	Engineer and FIFC in the	orc	

 I rillar free inspection. Tree Restoration [FinAt_		[100_11111]
 Final Fire Inspection: Fire protection [FINAL FIR	E_ALL SYSTEMS/ACCESS]	[TCO_FIRE]
° Sprinkler	 Fuel Tank Installation 	_
° Access Road	° Fire Extinguishing System	
 —— ° Fire Code Alternatives (see below) —— □ FCA1 □ FCA2	° Fire Alarm System ☐ FCA3: ☐ FCA4:	
	e, utilities, ROW, and Site [FINAL_CIVIL]	[TCO_CIVIL]
Water supply protection/Backflow devices for: • Waterfront property	 Well water on property 	
° Fire / lawn sprinkler	∘ Boiler	
 ☐ Final Building Inspection: [FINAL_BUILDING] properties from Engineer, Special Inspectors, Geotechnical Final MEP Inspections: ☐ Mech ☐ Election ☐ Impact Fees Paid (If applicable)	· · · · · · · · · · · · · · · · · · ·	[TCO_BLDG]

90 DAY TEMPORARY CERTIFICATE OF		
Applicant option. Additional fees required. All TCO Appro	ovais above must be complete.	
Approved	Start Date	End Date
ADDITIONAL REQUIRED CITY INSPECT	TIONS	

DUITIONAL REQUIRED CITT INST ECTIONS							
se the contact information below to arrange these additional inspections.							
Required Inspection(s):	Contact:	Contact email:					
MPACT FEES	PLAN REVIE	W APPROVALS					

PACT FEES	PLAN R	EVIEW AI	PPROVALS		
quired for the project but deferred beyond permit issuance.	Not all revie	ew disciplines	may be required	d to review t	the documents.
☐ Impact fees apply and are due <i>prior</i> to Final Inspection or on	Building	Planning 	Engineering	Tree	Fire
, whichever occurs first.	Date	 Date			 Date



PROJECT NAME:



(206) 275-7605 WWW.MERCERISLAND.GOV/CPD EPERMIT.TECH@MERCERISLAND.GOV DOCUMENTS ARE SUBJECT TO PUBLIC DISCLOSURE AS REQUIRED BY RCW 42.56 **INSPECTION REQUESTS**

online via QR code or voicemail FIRE INSPECTION (206) 275-7979



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: Nels E. Trygstad License Type: P.E. License Number: 46552 License Expiration: 11/30/24

CDECIAL INCDECTION DESCRIPTION				APPROVALS Special Inspector City Inspector	SPECIAL INSPECTION DESCRIPTION	REFERENCES	SPECIAL INS	P FREQUENCY	Special Inspector City Inspection Sign-off Sign-off
SPECIAL INSPECTION DESCRIPTION ALTERNATIVE MATERIALS AND SYSTEMS (IBC 1705.1)				sign-off sign-off	SOILS (IBC 1705.6)		REQUIRED		J. Sign C
Construction materials and systems that are alternatives to	Notes:			`	Verify materials below shallow foundations are adequate to	Geotechnical Report	<u> </u>	Periodic	
materials and systems prescribed by the IBC.					achieve the design bearing capacity. Verify excavations are extended to proper depth and have	Geotecinical Report			
Unusual design applications of materials described in the code.	Notes:				reached proper material.	Geotechnical Report		Periodic	
					Perform classification and testing of compacted fill materials. Verify use of proper materials, densities and lift thicknesses	Geotechnical Report		Periodic	
Materials and systems required to be installed in accordance with	Notes:				during placement and compaction of compacted fill.	Geotechnical Report		Continuous	
additional manufacturer's instructions that prescribe requirements not contained in the IBC or in standards referenced by the IBC.				J	Prior to placement of compacted fill, inspect subgrade and	Geotechnical Report		Periodic	
		SPECIAL INSP			verify that site has been prepared properly.	· ·		\perp	'
SPECIAL INSPECTION DESCRIPTION	REFERENCES	REQUIRED F	REQUENCY		DRIVEN DEEP FOUNDATIONS (IBC 1705.7)	ı		\downarrow	
STEEL CONSTRUCTION (IBC 1705.2)					Verify element materials, sizes and lengths comply with the requirements noted in the drawings and geotechnical report.	Geotechnical Report, Construction Documents		Continuous	
Structural Steel: Special Inspections for structural steel shall be in accordance with the	AISC 360 Chapter N		Per Standard		Determine capacities of test elements and conduct additional load	Geotechnical Report, Construction Documents	Тп	Continuous	
inspection requirements of AISC 360 Chapter N.				<u> </u>	tests, as required. Inspect driving operations and maintain complete and accurate records	Geotechnical Report,		Continuous	
Quality Control: Procedures specified by the fabricator and erector to ensure that work is performed in accordance with AISC specification and	AISC 360 Section N5 (1)	\boxtimes	Per Standard		for each element.	Construction Documents		Continuous	
the construction documents	Section N3 (1)				Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine	Geotechnical Report,		Continuous	
Quality Assurance: Review and inspection performed by an agency hired by the owner to ensure work is performed in accordance with the	AISC 360		Day Chandand		required penetrations to achieve design capacity, record tip and butt	Construction Documents		Continuous	
construction documents	Section N5 (2)	\boxtimes	Per Standard		elevations and document any damage to foundation element. For steel elements, perform additional Special Inspections in	Geotechnical Report,	 		
Cold Formed Steel Deck:					accordance with Section 1705.2.	Construction Documents			
Special Inspections and qualifications or welding special inspectors for cold form set floor and roof deck shall be in accordance with Steel Deck	Steel Deck Institute QA/QC		Per Standard		For concrete elements and concrete-filled elements, perform additional Special Inspections in accordance with Section 1705.3.	Geotechnical Report, Construction Documents			
Institute QA/QC.					For specialty elements, perform additional Special Inspections as	Geotechnical Report,			
Open-Web Steel Joists and Joist Girders:	SJI Specification per IBC		Periodic		determined by the Registered Design Professional in responsible charge.	Construction Documents			
End connections: welding or bolting.	2207.1		Periodic	l	CAST-IN-PLACE DEEP DRIVEN FOUNDATIONS (IBC 1705.8))
Bridging: horizontal or diagonal.	SJI Specification per IBC 2207.1		Periodic		Inspect drilling operations and maintain complete and accurate records for each element	Geotechnical Report, Construction Documents		Continuous	
Standard Bridging.	SJI Specification per IBC 2207.1		Periodic		Verify placement locations and plumbness, confirm element	Construction Documents			
Bridging that differs from SJI Specifications listed in Section 2207.1.	SJI Specification per IBC				diameters, bell diameters (if applicable), lengths, embedment into	Geotechnical Report, Construction Documents		Continuous	
	2207.1		Periodic		bedrock (if applicable), and adequate end-bearing strata capacity. Record concrete or grout volumes.	Construction Documents			
Temporary and permanent restraint / bracing of cold-formed trusses over 60 feet.	IBC 1705.2.4		Periodic		For concrete elements, perform additional Special Inspections in accordance with Section 1705.3.	Geotechnical Report, Construction Documents			
			~	\	HELICAL PILE FOUNDATIONS (IBC 1705.9)	Construction Documents			
Inspect reinforcement, including prestressing tendons, and	ACI 318 Ch 20, 25.2, 25.3,		Davia dia		Record installation equipment used, pile dimension, tip elevations,			\top	
verify placement	26.5.1-26.5.3		Periodic		final depth, final installation torque and other pertinent installation information as determined by the Registered Design Professional in	Geotechnical Report, Construction Documents		Continuous	
Reinforcing bar welding: Verify weldability of reinforcing bars other than ASTM A706.	AWS D1.4 ACI 318 Ch 26.6.4		Periodic		responsible charge.	Construction Bodaments			<u> </u>
Inspect single-pass fillet welds, maximum 5/16 inches.	AWS D1.4		Periodic		SPECIAL INSPECTION FOR WIND RESISTANCE (IBC 1705.11) c.)
Inspect all other welds.	ACI 318 Ch 26.6.4 AWS D1.4		0 1	 	Structural wood wind resistance elements: Field gluing of wood elements of the windforce-resisting system.	IBC 1705.11.1, Construction Documents		Continuous	
·	ACI 318 Ch 26.6.4		Continuous	l	Nailing, bolting, anchoring and other fastening of wood elements of the	IBC 1705.11.1,	 		
Inspect anchors cast in concrete.	ACI 318 Ch 17.8.2		Periodic		main windforce-resisting system, including wood shear walls, wood diaphragms, drag struts, braces and hold-downs. d.	Construction Documents		Periodic	
Anchors post-installed in hardened concrete members:			Continuous		Cold-formed steel light-frame wind resistance elements:	IBC 1705.11.2,			
Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads.	ACI 318 Ch 17.8.2.4				Welding operations of cold-formed steel light-frame elements of the main windforce-resisting system.	Construction Documents		Periodic	
All other post-installed mechanical and adhesive anchors.	ACI 318 Ch 17.8.2	\boxtimes	Periodic	1 — —	Screw attachment, bolting, anchoring, and other fastening of elements	100 1705 11 0			
Verify use of required design mix.	ACI 318 Ch 19, 26.4.3, 26.4.4	1:	Periodic	 	of cold-formed steel light-frame elements of the main windforce-resisting system, including shear walls, braces, diaphragms,	IBC 1705.11.2, Construction Documents		Periodic	
	IBC 1904.1, 1904.2, 1908.2, 1908.3		renouic	<u> </u>	drag struts and hold-downs. d. Fastening of the following systems and components:	IBC 1705.11.3 (1),			
Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of	ASTM C 172, ASTM C31		Continuous		Roof covering, roof deck and roof framing connections.	Construction Documents		Periodic	
the concrete.	ACI 318 Ch 26.5, 26.12			l	Exterior wall covering and wall connections to roof and floor diaphragms and framing.	IBC 1705.11.3 (2), Construction Documents		Periodic	
Inspect concrete and shotcrete placement for proper application techniques.	ACI 318 Ch 26.5		Continuous		c. Special inspection required in wind Exposure d. Special inspection not required where wood	•	•		
Verify maintenance of specified curing temperature and techniques.	ACI 318 Ch 26.5-26.5.5		Periodic		Category C or D per IBC Section 1705.11 (2). the shear wall and the fastener spacing for the SPECIAL INSPECTION FOR SEISMIC RESISTANCE (IBC 1705.12) e.	ne sneathing is greater than 4	inches on center.		1
Prestressed concrete:			Cantinggan	 	Structural steel seismic force-resisting systems:		T	\top	
Application of prestressing forces.	ACI 318 Ch. 26.10		Continuous		Special Inspections of MLFRS shall be in accordance with AISC 341	IBC 1705.12.1.1, AISC 341 Seismic Provisions		Per Standard	
Grouting of bonded prestressing tendons.	ACI 318 Ch. 26.10		Continuous		Chapter J. Submit all documents referenced in Section J3 "Quality Assurance Agency Documents" to the city for review.	for Structural Steel Buildings	<u> </u>		
Inspect erection of precast concrete members.	ACI 318 Ch. 26.9		Periodic	1	Special inspection of structural steel elements shall be in accordance with AISC 341 Chapter J. Submit all documents referenced in Section J3 "Quality	IBC 1705.12.1.2, AISC 341 Seismic Provisions		Per Standard	
Precast concrete diaphragm connections			Dovinsi:-		Assurance Agency Documents" to the city for review.	for Structural Steel Buildings			
Precast diaphragm installation tolerances	ACI 318 Ch. 26.13.1.3		Periodic		Structural wood seismic force-resisting systems: Special inspection during field gluing operations for elements of the	IBC 1705.12.2 (1)		Continuous	
Verify in-situ concrete strength prior to stressing of tendons	ACI 550.5		Continuous		seismic force-resisting system. Special inspection required for nailing, bolting, anchoring, and other				
in post-tensioned concrete and prior to removal of shores	ACI 318 Ch. 26.11.2		Periodic		fastening of elements of the seismic force-resisting system including	IBC 1705.12.2 (2)		Periodic	
and forms from beams and structural slabs. Inspect formwork for shape, location and dimensions of the concrete				 	wood shear walls, wood diaphragms, drag struts, braces, shear panels and hold-downs. ^{f.}	.50 17 05.121.2 (27		, enemie	
member being formed	ACI 318 Ch. 26.11.2(b)		Periodic]	Cold-formed steel light-frame seismic force-resisting systems:				
a. Concrete special inspection not required where work meets the exceptions listed in IBC Section	1705.3				Special inspection during welding operations for elements of the seismic force-resisting system.	IBC 1705.12.3 (1)		Periodic	
MASONRY CONSTRUCTION (IBC 1705.4) b. Empirically designed masonry, glass unit masonry, or	T			 	Special inspection required for screw attachment, bolting, anchoring,				
masonry veneer as part of a Risk Category IV structure	ACI 530 Chapter 3 IBC 1705.4		Per Standard		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)		Periodic	
requiring Level B Quality Assurance per ACI 530 Vertical masonry foundation elements requiring Quality					e. Required where any of the following conditions exist (refer ASCE 7 Section 12.3): Torsional or extreme torsional irregularity Nonparallel systems irregularity	Stiffness (soft story) or ext Discontinuity in lateral stre			
Assurance per ACI 530	ACI 530 Chapter 3 IBC 1705.4		Per Standard	J	 f. Special inspection not required where wood or steel structural panels are on only one side of the spacing for the sheathing is greater than 4 inches on center. 		.g p.reak story III E	S //	
b. Masonry special inspection not required where work meets the exceptions listed in IBC Section	1705.4			_	SPRAYED FIRE-RESISTANT MATERIALS (IBC 1705.14)				
WOOD CONSTRUCTION (IBC 1705.5) High-Load diaphragms:				(Special inspection and testing shall be per IBC Sections 1705.14.1	IBC 1705.14			
Panel thickness, framing member sizes, and nail or staple diameters and	IBC 1705.5.1		Periodic		through 1705.14.6 as applicable. MASTIC AND INTUMESCENT FIRE RESISTANT COATINGS (IBC 1705.15)				<u> </u>
patterns (includes any diaphragms utilizing more than one row of fasteners at edges designed per IBC Section 2306.2/SDPWS 4.2.7.1.2).			renoule		Special inspection is required for fire-resistant coatings applied to	AWCI 12-B,	T		
Metal-plate-connected wood trusses spanning 60 feet or greater:					structural elements and decks.	Construction Documents		$oldsymbol{\perp}$	
Verify temporary and permanent individual truss member restraint / bracing are installed in accordance with approved truss	IBC 1705.5.2		Periodic		EXTERIOR INSULATION AND FINISH SYSTEMS (IBC 1705.16)	T	T		
submittal package.	1004707				Special inspection and testing shall be provided for all EIFS applications. g. h.				
Mass timber construction per IBC Table 1705.5.3	IBC 1705.5.3		Periodic		Special inspection is required for water-resistive barrier complying	ASTM E 570		\top	
Mass timber (upwardly inclined adhesive anchors)	IBC 1705.5.3		Continuous	/	with ASTM E 2570 when installed over a sheathing substrate.				' l

g. Special inspection not required for EIFS applications where installed over water-resistive barrier	٧
moisture to the exterior	

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

8			AGENCY INSPECTION		APPRO	OVALS					
H	AGENCY INSPECTION DESCRIPTION	REFERENCES		FREQUENCY	Agency Inspector sign-off	City Inspector sign-off					
Ш П	EXTERIOR PLASTER (IRC 703.7) ^{i.})	Sign on					
COMPLETED	Installation: Lath and lath attachment.	ASTM C 926, ASTM C 1063 IRC R703.7.1									
_	Portland Cement plaster mix, number of coats, thickness of coats.	IRC Tables R702.1(1), 702.1(3) IRC R703.7.2									
BE	Weep screed material, attachment and location.	ASTM C 926, IRC R703.7.2.1		Periodic							
9	Water resistive barrier installation, flashing installation, and drainage.	IRC R703.2, IRC R703.4, IRC R703.7.3									
	Application of each coat and minimum curing.	ASTM C 926, IRC R703.7.4, IRC R703.7.5)						
	i.Includes stucco installation.										
	EXTERIOR INSULATION AND FINISH SYSTEM (IRC 703.7) J.)						
	Installation: Installed in accordance with EIFS manufacturer's instructions.	ASTM E 2568 IRC R703.9									
	Drainage provided over all wall assemblies except substrates of masonry	ASTM 2273, ASTM E 2570,]								
	or concrete. Drainage shall have a 90 percent efficiency. EIFS and EIFS drainage shall terminate not less than 6 inches above finish grade.	IRC R703.2		Periodic							
	Flashing shall be 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									
	j.Not required for EIFS applications installed over a water-resistive barrier draining moisture to the exterior or where installed over masonry of concrete.	e	•		·						
	LATERAL RESISTING SYSTEM)						
	Installation:	Construction Documents		$\overline{}$)						
	Shearwall and diaphragm sheathing, panel edge and field nailing. Lateral load path continuity, i.e. roof and floor diaphragm to shearwall top	Construction Documents	 	Periodic							
	plate below, shearwall to foundation. Collector / drag strut nailing and connections. Holdown installation and	Construction Documents		renouie							
	location.	construction bocuments		lacksquare							
	RESIDENTIAL WASHINGTON STATE ENERGY CODE		ı	$\overline{}$)						
	Air Leakage Control: Tested and verified as having an air leakage rate not exceeding 5 air changes per hour.	WSEC R402.4.1.2									
	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									
	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									
	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									
	Duct testing shall be provided in accordance with WSU RS-33 using the maximum duct leakage rates specified in WSEC R403.3.4. Written results	WSEC R403.3.3, WSEC R403.3.4									
	shall be signed by the tester and provided to the code official.										
ر -	MERCER ISLAND ADDITIONAL CIVIL ENGINEERING REQUIREMENTS:										
۵	The following civil engineering inspections and documentation shall be performed by the indicated Design Professional. Associated										
ב	inspection reports and documentation shall be provided to the	code official prior	to final inspec	ction.							
_	CIVIL ENGINEERING INSPECTIONS				APPRO Agency Inspector						
7	Project Civil Engineer or Geotechnical Engineer shall inspect and certify that the lawn and landscape areas meet the specified post-construction soil	Construction Documents BMP T5.13 (2017 DOE manual)		Periodic	sign-off	City Inspecto sign-off					
COMPLETED	quality and depth requirements. Project Civil Engineer shall inspect and certify the construction of the infiltration system, dispersion system, rain garden, bioretention, permeable	Construction Documents, Infiltration Report,		Periodic							
D	pavement system and all LID systems for conformance to approved plans. Project Geotechnical Engineer shall observe and certify the infiltration system, dispersion system, rain garden, bioretention, permeable pavement	Geotechnical Report Construction Documents, Infiltration Report,		David II							
2	system, dispersion system, rain garden, bioretention, permeable pavement system, and all LID systems to verify suitablity of existing soil conditions.	Geotechnical Report		Periodic	J						
	CIVIL ENGINEERING DOCUMENTATION)						
	The Declaration of Covenant for the inspection and maintenance of private stormwater facilities must be signed, recorded and received by the City prior to final inspection.										
	A Right-of-Way Encroachment Agreement must be recorded for all private improvements in the right-of-way prior to final inspection.										
	Other as Specified:										

SURVEY REQUIREMENTS (The following survey information must be submitted to planner when checked):
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
reserves the right to request a lot coverage and hardscape area survey at any time prior to issuance of Certificate of Occupancy.

and Use Planning Contact:	email:	_
Building height survey Building setback survey Lot coverage survey	Hardscape survey Gross floor area survey	_ _
MAXIMUM 40 PERCENT ALTERATION INSPECTION: MICC 19.01.050	O(D)(1)(b)(i)	
A Building Inspection prior to demolition is required for all legally no	onconforming single family dwelling to ensure no more than	

SPECIAL INSPECTOR AND AGENCY INSPECTOR CONTACTS:

40 percent of the dwelling's exterior walls are structurally altered. Contact the Building Inspector at (206) 275-7730.

INCRECTOR MANAE	INUTIALS	CONADANIVALANAE	DUONE NUMBER	EMAIL ADDRESS
the following information:				
Each inspector designated in the	field to pe	rform any of the above Special Inspec	ctions or City initia	nted Agency Inspections shall provide

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