DOCUMENTS ARE SUBJECT TO PUBLIC DISCLOSURE AS REQUIRED BY RCW 42.56

COMMUNITY PLANNING & DEVELOPMENT RESIDENTIAL CODE COVERSHEET (206) 275-7605 WWW.MERCERISLAND.GOV/CPD EPERMIT.TECH@MERCERISLAND.GOV

INSPECTION REQUESTS



TO BE COMPLETED BY
TO BE COMPLETED

WILDLAND/URBAN INTERFACE

-RESERVED FOR FUTURE USE-

(206) 275-7730

eastsidefire-rescue.org

PROJECT DESCRIPTION This scope should match the		
This scope should match the		
Building Permit Application Form		

1	PROJECT	CONTACT	INFORMATION
	INOSECI		

The Applicant shall provide the foll	owing information for each type of co	ontact (Engineer and Geotech dependent on s	(cone)

Permitting Contact:	Email:	Phone:
Construction Contact:	Email:	Phone:
Engineer:	Email:	Phone:
Geotech:	Email:	Phone:

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:	

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 co	mponents of the thermal envelor	pe. Include U-factors, insulation and m	oisture control WSEC Table 402.1.2	Sheet:
Energy Credit Information-	nclude complete information on p	olan for options selected and equipmer	nt specified WSEC Tables 406.2 and 406.3	Sheet:
☐ No Credits Required	☐ Small Dwelling Unit	☐ Medium Dwelling Unit	☐ Large Dwelling Unit ☐	< 500 sf additi
New Construction Tests- The	following are mandatory testing a	and reporting requirements of WSEC Cl	h 4 for new construction	
 Certificate of Energy E 	fficiency wsec R401.3 • Duct	Leakage Testing WSEC R403.3.5 • A	Air Leakage Testing WSEC R402.4.1.2	
Air Leakage test repor	t not to exceed 5 changes	per hour wsrc 1505.4.1.2	Air Leakage per selected energ	y credits
Whole House Ventilation- Sp	ecify system type below and inclu	ıde all system requirements on sheet r	noted WSRC Section M1505.4	Sheet:
Exhaust fans wsrc 1505.4.1.2	Supply fans wsrc 1505.4.1.	3 Balanced system wsrc 1505.4	.1.4 Other permitted system	1

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

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

Building Official (City use only)

Structural Observation for this project is required by the:	
Registered Design Professional	

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

geotechnical report, and a copy of th	e report and any other ge	otechnical information must be kept on si	te 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 ac

☐ 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)

ERAL REQUIREMENTS FOR □ NEW SINGLE FAMILY BUILD □ DEMOLITION/REBUILD □] ADDITION □ REMODEL □ REPAIR □ DOCK □ SITE IMPROVEMENTS □ SEISMIC RETR
ruction of the project shall be from <i>approved plans only</i> . No deviation from the approved project plans is allowed without prior approved plans must be kept on site and maintained in good condition.	oval from the City of Mercer Island.
Refer to "Conditions of Permit Approval" provided at permit issuance for required construction rules and regulations, including:	REQUIRED CONSTRUCTION INSPECTIONS

ANT	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.					
BY APPLICED BY CITY	Refer to "Conditions of Permit Approval" provided at permit issuance for required construction rules and regulations, including: Site Considerations Hours of Work Construction Vehicle Parking Restrictions Access Road Requirements Water Service Requirements Tree Requirements	REQUIRED CONSTRUCTION INSPECTIONS It is the applicant's responsibility to contact CPD to schedule ALL inspections applicable to the project www.MyBuildingPermit.com or by calling the Inspection Hotline at (206) 275-7730. Each MBP inspect Refer to FIRE PROTECTION REQUIREMENTS for information on scheduling a fire inspection.				
PLETED MPLETE	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	Inspections marked with "*" are not building permit inspections, and should be requested under to packet provided at permit issuance or search by address at mybuildingpermit.com for other issued INSPECTIONS: (Listed in order of typical sequencing)				
BE COMP O BE CON	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	Pre-construction Meeting to Review Conditions of Permit Approval [F	BP.com Inspection Name PRE-CON MTG GENERAL] [REE PROTECTION] EROSION CNTROL]			
07	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.	Sewer disconnect and cap Sewer disconnect and cap Sewer disconnect and	SIDE SEWER DISCONNEC] ROW OR UTILITY IMPRO]			
	☐ 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	Pilings / Shoring / Shotcrete. If applicable, provide survey letter [F (property line); Geotechnical Engineer / Special Inspector	FOUNDATION WALLS/CON]			
	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	reports of inspections (pile and shoring installation, etc.) ———————————————————————————————————	FOOTINGS, SETBACKS, U]			
	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.	Foundation walls / concrete columns [F * Roof and footing drains [C Foundation damproofing [F Foundation damproofing]	FOUNDATION WALLS/CON] CONVEYANCE FACILITIE] FOUND DAMP PROOFING] CONVEYANCE FACILITIE]			
	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	° Infiltration systems / L.I.D. systems ° Pump systems ° Catch basins ° Retaining wall drainage [3 Mater Supply	B. WATER SERVICE TAP]			
LICANT	NFPA 13R Water Flow Alarm NFPA 13 Other: Approved Fire Code Alternatives (FCA): FCA1 FCA2 FCA4	Underslab electrical / mechanical / plumbing [L] Underslab insulation / vapor barrier / reinforcing [L] Underfloor framing [L] Nailing-Roof sheathing (See SF2 for Required Agency Inspection)	ROW OR UTILITY IMPRO] JNDER-SLAB ELECT/MEC] JNDER-SLAB INSULATIO] JNDER-FLOOR FRAMING] NAILING-ROOF SHEATHING]			
/ APPL BY CIT	WATER SERVICE REQUIREMENTS	Rough hydronic installation [F	NAILING-EXTERIOR WALL] ROUGH HYDRONIC PIPIN] ROUGH ELECTRIC]			
<i>—</i>	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): water supply line. Pressure reducing valve required if water pressure exceeds 80 psi. Minimum Required Meter Size: 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 non-city water supply. See mercerisland.gov/backflow STORMWATER MANAGEMENT	Rough fire alarm (wiring inspection) [F Rough plumbing installation (DWV, water) [F Rough mechanical [F Rough mechanical [F Electrical service [E Gas Piping & Test [C Rough fire sprinkler / hydrostatic and flow (bucket) test [F Framing and glazing. (See SF2 for Required Agency Inspection) [F Masonry construction (fireplace / walls / veneer / etc.) [N Insulation installation [I Stucco (paper and lath) [S Shower pan (or tub) [S Code Alternative CA1 [C C Code Alternative CA1 [C C C C C C C C C	ROUGH-IN LOW VOLTAGE] ROUGH PLUMBING] ROUGH MECHANICAL/HVA] ELECTRICAL SERVICE] GAS PIPING/TEST] ROUGH SPRINKLER RES/STATUS] FRAMING (& GLAZING)] MASONRY] NSULATION] STUCCO] SHOWER PAN (OR TUB)] ROOF DECK WATERPROOFING] CODE ALT 1]			
	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.	FINAL INSPECTIONS Inspector Date	TCO APPROVALS Inspector Date			
	□ Dispersion / Infiltration system □ Run-off treatment (MR #8) □ On-site detention system (MR #5) □ Connect / Extend public drainage system □ Direct discharge to lake □ Full size storm drainage as-builts □ Rain Garden / Bioretention / Permeable Pavement □ Drainage review not required □ Flow control system (MR #7) □ Other:	Final Tree Inspection: Tree Restoration [FINAL_TREE] Final Fire Inspection: Fire protection [FINAL FIRE_ALL SYSTEMS/ACCESS] ° Sprinkler ° Access Road ° Fire Extinguishing ° Fire Code Alternatives (see below)	g System			
	SIDE SEWER REQUIREMENTS	FCA1	U (N/W)			
	 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 □ Other: 	—————————————————————————————————————	operty ers [TCO_BLDG]			
	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.	from Engineer, Special Inspectors, Geotechnical Engineer, and EIFS inspectors Final MEP Inspections: Mech Electrical Plumbing Impact Fees Paid (If applicable)				
F	CA1: CA2:	90 DAY TEMPORARY CERTIFICATE OF OCCUPANCY (TCO) Applicant option. Additional fees required. All TCO Approvals above must be complete.				
CAN		Approved Start Date	End Date			
APPLICAN BY CITY	PROJECT ALERTS AND NOTES TO INSPECTORS	ADDITIONAL REQUIRED CITY INSPECTIONS Use the contact information below to arrange these additional inspections.				
<u></u> ≿		Required Inspection(s):	Contact amail:			

□ CA1: -		□ CAZ:	
_			
-			
-			
PROJEC	T ALERTS AND NOTES TO INSPECTORS		
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1		
	1	REQUIRED CONSTRUCTION INSPECTIONS
		L REQUIRED CONSTRUCTION INSPECTIONS
		MEGGINED COMOTINGCTION INC. ECHOMS

HADEFCH	ONS: (Listed in orde	it issuance or search by address at mybuildingpermit.con r of typical sequencing)		
	oved oved	,,,,,		1AL 1
Inspector	Date APPICAIA	Inspection Description	MBP.com Inspection Name	PARTIAL
		Pre-construction Meeting to Review Conditions of Permit	: Approval [PRE-CON MTG GENER	
		Tree protection	[TREE PROTECTION]	
		Erosion control	[EROSION CNTROL]	
				LEC]
	*	Sewer disconnect and cap	[SIDE SEWER DISCONN	
	*	Right-of-way use or work / easement, material delivery,	[ROW OR UTILITY IMP	RO] ∐ L
		etc. If applicable, separate ROW permit required		
	*	Land clearing, grading and demolition	[FINAL DEMO]	
		Pilings / Shoring / Shotcrete. If applicable, provide survey	letter [FOUNDATION WALLS,	/CON1
		(property line); Geotechnical Engineer / Special Inspector		
		reports of inspections (pile and shoring installation, etc.)		🗆 🗆
	⊔ ⊔	Footings, setbacks, UFER ground. If applicable, provide su		5, U]
		(building height and setbacks); Special Inspector reports	of inspections	
		(soil bearing capacity, compaction, earthwork, pile install	ation, etc.)	
		Foundation walls / concrete columns	[FOUNDATION WALLS	/coni 🗆 🗆
	*	Roof and footing drains	[CONVEYANCE FACILIT	
		Foundation damproofing	[FOUND DAMP PROOF	
	*	Storm drainage, including (but not limited to)	[CONVEYANCE FACILIT	TE]
		Connections to storm main in ROWArea drains	5	
		° Det systems / Conveyance / Flow control ° Storm drain	n in ROW	
		°Infiltration systems / L.I.D. systems ° Pump systems		
		, , , , , , , , , , , , , , , , , , , ,		
		° Catch basins	vali drainage	
	*	Water Service	[3. WATER SERVICE TA	.P]
		Water Supply	[WATER SUPPLY LINE]	
	*	Side sewer installation, including (but not limited to)	[SIDE SEWER INSTALLA	ΔT1
			-	· · ·]
		° Connections to side sewer main ° Back-flow v		
		° Connections to existing side sewer ° Grinder pu	mp systems	
			·	
	*	Driveway / Access road	[ROW OR UTILITY IMP	ROJ 📙 📙
	🗆 🗆	Underslab electrical / mechanical / plumbing	[UNDER-SLAB ELECT/N	лес] 🗌 🗀
		Underslab insulation / vapor barrier / reinforcing	[UNDER-SLAB INSULAT	
		Underfloor framing	[UNDER-FLOOR FRAM	· — —
		•	-	
	⊔ ⊔	Nailing-Roof sheathing (See SF2 for Required Agency Insp	· \	-
		Shear wall construction (See SF2 for Required Agency Ins	pection) [NAILING-EXTERIOR W	ALL]
		Daugh hydronic installation	[ROUGH HYDRONIC PI	DINI
	——	Rough hydronic installation	-	
	——	Rough electric installation	[ROUGH ELECTRIC]	닏늗
	*	Rough fire alarm (wiring inspection)	[ROUGH-IN LOW VOLT	AGE]
	[] []	Rough plumbing installation (DWV, water)	[ROUGH PLUMBING]	
		Rough mechanical	[ROUGH MECHANICAL	./HVA1 🔲 🗀
		Electrical service	[ELECTRICAL SERVICE]	
			- · · · · · · · · · · · · · · · · · · ·	
		Gas Piping & Test	[GAS PIPING/TEST]	
	*	Rough fire sprinkler / hydrostatic and flow (bucket) test	[ROUGH SPRINKLER RE	:S/STATUS] 🔲 📙
	📙 🔲	Framing and glazing. (See SF2 for Required Agency Inspec	ction) [FRAMING (& GLAZING	à)]
		Masonry construction (fireplace / walls / veneer / etc.)	[MASONRY]	
		Insulation installation	[INSULATION]	
			[STUCCO]	
		Stucco (paper and lath)	•	D)1
		Shower pan (or tub)	[SHOWER PAN (OR TU	
		Weather exposed balcony and walking surface waterproduction	ofing [ROOF DECK WATERPF	ROOFING] ∐ L
		Code Alternative CA1	[CODE ALT 1]	
		Code Alternative CA2	[CODE ALT 2]	
			[
INIALI	NSPECTION	IC	TCO AD	PROVALS
Inspector	Date		Inspector	Date
		al Tree Inspection: Tree Restoration [FINAL_TREE]		[TCO_1
		al Fire Inspection: Fire protection [FINAL FIRE_ALL SYSTEM	1S/ACCESS]	[TCO_F
	° S	orinkler °F	uel Tank Installation	_
	·			
			ire Extinguishing System	
	° <u>F</u> i	_ ` '	ire Alarm System	
		FCA1	FCA3:	
		FCA2	FCA4:	
	☐ Fin:	al Civil Inspection: Site and utility, landscape, utilities, ROV	W. and Site [FINAL_CIVII]	[тсо_с
		ter supply protection/Backflow devices for:	A/all water are reserved.	
			Vell water on property	
	о С :	re / lawn sprinkler • E	Boiler	
	<u></u>	/		
	_	•	t (summary) letters	
		al Building Inspection: [FINAL_BUILDING] provide closeou mengineer, Special Inspectors, Geotechnical Engineer, and		🗌 [ТСО_Е

0 DAY TEMPORARY CERTIFICATE OF OCCUPANCY (TCO)
pplicant 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:			
			_		

WPACT FEES required for the project but deferred beyond permit issuance.	PLAN REVIEW APPROVALS Not all review disciplines may be required to review 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



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

ALL OTHER INSPECTION (206) 275-7730

REQUIRED SPECIAL INSPECTIONS **REGISTERED DESIGN PROFESSIONAL**

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.

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. License Type: License Number: License Expiration:

				APPROVALS Special Inspector City Inspector	SPECIAL INSPECTION DESCRIPTION	REFERENCES	SPECIAL INS	SP FREQUENCY	APPROVALS Special Inspector City Inspe sign-off sign-of
SPECIAL INSPECTION DESCRIPTION ALTERNATIVE MATERIALS AND SYSTEMS (UR. 1705.1)				sign-off sign-off		REI EREIVEES	REQUIRED	TREQUENCY	sign-of
ALTERNATIVE MATERIALS AND SYSTEMS (IBC 1705.1) Construction materials and systems that are alternatives to	Notes:			<	Verify materials below shallow foundations are adequate to	1	1	1	!
materials and systems prescribed by the IBC.					achieve the design bearing capacity.	Geotechnical Report		Periodic	
Unusual design applications of materials described in the code.	Notes:				Verify excavations are extended to proper depth and have reached proper material.	Geotechnical Report		Periodic	
C. 14044. 160. 6.1 approaches 6.1 mass. 1616 1626. 1616 1616					Perform classification and testing of compacted fill materials.	Geotechnical Report		Periodic	1
Materials and systems required to be installed in accordance with	Notes:			 	Verify use of proper materials, densities and lift thicknesses	Geotechnical Report		Continuous	1
additional manufacturer's instructions that prescribe requirements not					during placement and compaction of compacted fill. Prior to placement of compacted fill, inspect subgrade and	<u>'</u>			
contained in the IBC or in standards referenced by the IBC.				/ —— ——	verify that site has been prepared properly.	Geotechnical Report		Periodic)
CDECIAL INSPECTION DESCRIPTION	REFERENCES	SPECIAL INS	P FREQUENCY	,	DRIVEN DEEP FOUNDATIONS (IBC 1705.7)) — —
SPECIAL INSPECTION DESCRIPTION STEEL CONSTRUCTION (IBC 1705.2)	REFERENCES	REQUIRED	PREQUENCY		Verify element materials, sizes and lengths comply with the	Geotechnical Report,	Тп	Continuous	`
Structural Steel:				\	requirements noted in the drawings and geotechnical report. Determine capacities of test elements and conduct additional load	Construction Documents Geotechnical Report,	<u> </u>		
Special Inspections for structural steel shall be in accordance with the	AISC 360 Chapter N		Per Standard		tests, as required.	Construction Documents		Continuous	
inspection requirements of AISC 360 Chapter N. Quality Control: Procedures specified by the fabricator and erector to	AISC 360				Inspect driving operations and maintain complete and accurate records for each element.	Geotechnical Report, Construction Documents		Continuous	
ensure that work is performed in accordance with AISC specification and	Section N5 (1)		Per Standard		Verify placement locations and plumbness, confirm type and size of				1
the construction documents Quality Assurance: Review and inspection performed by an agency hired					hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt	Geotechnical Report, Construction Documents		Continuous	
by the owner to ensure work is performed in accordance with the	AISC 360 Section N5 (2)		Per Standard		elevations and document any damage to foundation element.				
construction documents	, ,			 	For steel elements, perform additional Special Inspections in accordance with Section 1705.2.	Geotechnical Report, Construction Documents			
Cold Formed Steel Deck: Special Inspections and qualifications or welding special inspectors for					For concrete elements and concrete-filled elements, perform additional		+		1
cold form set floor and roof deck shall be in accordance with Steel Deck	Steel Deck Institute QA/QC		Per Standard		Special Inspections in accordance with Section 1705.3.	Construction Documents			I
Institute QA/QC.					For specialty elements, perform additional Special Inspections as determined by the Registered Design Professional in responsible	Geotechnical Report, Construction Documents			
Open-Web Steel Joists and Joist Girders: End connections: welding or bolting.	SJI Specification per IBC 2207.1		Periodic		charge.				{
Bridging: horizontal or diagonal.	SJI Specification per IBC		Periodic		Inspect drilling operations and maintain complete and	Geotechnical Report.	Т	_	\
Standard Bridging.	2207.1		renouic		accurate records for each element	Construction Documents		Continuous	<u> </u>
Standard Bridging.	SJI Specification per IBC 2207.1		Periodic		Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into	Geotechnical Report,			
Bridging that differs from SJI Specifications listed in Section 2207.1.	SJI Specification per IBC 2207.1		Periodic		bedrock (if applicable), and adequate end-bearing strata capacity.	Construction Documents		Continuous	
Temporary and permanent restraint / bracing of cold-formed	IBC 1705.2.4		Periodic		Record concrete or grout volumes. For concrete elements, perform additional Special	Geotechnical Report,			
trusses over 60 feet.	IBC 1703.2.4		renodic	J	Inspections in accordance with Section 1705.3.	Construction Documents			J
CONCRETE CONSTRUCTION (IBC 1705.3) a.					HELICAL PILE FOUNDATIONS (IBC 1705.9)	_)
Inspect reinforcement, including prestressing tendons, and	ACI 318 Ch 20, 25.2, 25.3, 26.5.1-26.5.3		Periodic		Record installation equipment used, pile dimension, tip elevations, final depth, final installation torque and other pertinent installation	Geotechnical Report,			
verify placement Reinforcing bar welding:	AWS D1.4		Periodic	 	information as determined by the Registered Design Professional in	Construction Documents		Continuous	
Verify weldability of reinforcing bars other than ASTM A706. Inspect single-pass fillet welds, maximum 5/16 inches.	ACI 318 Ch 26.6.4				responsible charge. SPECIAL INSPECTION FOR WIND RESISTANCE (IBC 1705.11) c.				ζ
mspect single-puss fillet welds, maximum 3/10 inches.	AWS D1.4 ACI 318 Ch 26.6.4		Periodic		Structural wood wind resistance elements:	IBC 1705.11.1,	Т		`
Inspect all other welds.	AWS D1.4 ACI 318 Ch 26.6.4		Continuous		Field gluing of wood elements of the windforce-resisting system. Nailing, bolting, anchoring and other fastening of wood elements of the	Construction Documents		Continuous	┨ ──
Inspect anchors cast in concrete.	ACI 318 Ch 17.8.2		Periodic		main windforce-resisting system, including wood shear walls, wood	IBC 1705.11.1, Construction Documents		Periodic	
Anchors post-installed in hardened concrete members:			Continuous		diaphragms, drag struts, braces and hold-downs. d. Cold-formed steel light-frame wind resistance elements:				1
Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads.	ACI 318 Ch 17.8.2.4		Commucus		Welding operations of cold-formed steel light-frame elements of the main windforce-resisting system.	IBC 1705.11.2, Construction Documents		Periodic	
All other post-installed mechanical and adhesive anchors.	ACI 318 Ch 17.8.2		Periodic		Screw attachment, bolting, anchoring, and other fastening of elements				1 1
Verify use of required design mix.	ACI 318 Ch 19, 26.4.3, 26.4.4				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	
verify use of required design finx.	IBC 1904.1, 1904.2, 1908.2, 1908.3		Periodic		drag struts and hold-downs. d.				<u> </u>
Prior to concrete placement, fabricate specimens for strength tests,	ASTM C 172, ASTM C31		Continuous		Fastening of the following systems and components: Roof covering, roof deck and roof framing connections.	IBC 1705.11.3 (1), Construction Documents		Periodic	
perform slump and air content tests, and determine the temperature of the concrete.	ACI 318 Ch 26.5, 26.12				Exterior wall covering and wall connections to roof and floor	IBC 1705.11.3 (2), Construction Documents		Periodic	1
Inspect concrete and shotcrete placement for proper	ACI 318 Ch 26.5		Continuous		 diaphragms and framing. c. Special inspection required in wind Exposure d. Special inspection not required where woo 		on only one side of		' — —
application techniques. 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 sheathing is greater than 4	inches on center.		,
Prestressed concrete:	, (c) 540 CH 20.3-20.3.3				SPECIAL INSPECTION FOR SEISMIC RESISTANCE (IBC 1705.12) e. Structural steel seismic force-resisting systems:				ζ
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 Building	5]
Inspect erection of precast concrete members.	ACI 318 Ch. 26.9		Periodic		Special inspection of structural steel elements shall be in accordance with AISC 341 Chapter J. Submit all documents referenced in Section J3 "Qualit	1		Per Standard	
Precast concrete diaphragm connections	ACI 310 CII. 20.9				- Assurance Agency Documents" to the city for review.	for Structural Steel Building:	5	, c. stanualu	<u> </u>
· ·	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	
Precast diaphragm installation tolerances	ACI 550.5		Continuous		seismic force-resisting system.	_ (-/		25	┧
Verify in-situ concrete strength prior to stressing of tendons in post-tensioned concrete and prior to removal of shores	ACI 318 Ch. 26.11.2		Periodic		Special inspection required for nailing, bolting, anchoring, and other 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.}	100 1703.12.2 (2)		renoalc	
member being formed	ACI 318 Ch. 26.11.2(b)		Periodic	J	Cold-formed steel light-frame seismic force-resisting systems:		<u> </u>		1
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				ζ	Special inspection required for screw attachment, bolting, anchoring, and other fastening of elements of the seismic force-resisting system				
masonry veneer as part of a Risk Category IV structure	ACI 530 Chapter 3 IBC 1705.4		Per Standard		including shear walls, drag struts, braces, diaphragms and hold-downs.	IBC 1705.12.3 (2)		Periodic	J _
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 str			у
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 spacing for the sheathing is greater than 4 inches on center.	the shear wall and the fastener	Jan Landson y mre	- '41	
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:	T			₹	Special inspection and testing shall be per IBC Sections 1705.14.1	IBC 1705.14			<u> </u>
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)				ζ
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).			350		Special inspection is required for fire-resistant coatings applied to	AWCI 12-B,			′
Metal-plate-connected wood trusses spanning 60 feet or greater: Verify temporary and permanent individual truss member					structural elements and decks.	Construction Documents			∤
restraint / bracing are installed in accordance with approved truss	IBC 1705.5.2		Periodic		Special inspection and testing shall be provided for all EIFS	T			∤
submittal package. Mass timber construction per IBC Table 1705.5.3	IBC 1705.5.3		Periodic		applications. ^{g. h.}				<i>]</i>
Mass timber (upwardly inclined adhesive anchors)	IBC 1705.5.3		Continuous	J	Special inspection is required for water-resistive barrier complying with ASTM E 2570 when installed over a sheathing substrate.	ASTM E 570)

MERCER ISLAND REQUIRED AGENCY INSPECTIONS

APPROVALS

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.

TED	AGENCY INSPECTION DESCRIPTION	REFERENCES	INSPECTION REQUIRED	FREQUENCY	APPRO Agency Inspector sign-off	OVALS City Inspector sign-off
COMPLE	EXTERIOR PLASTER (IRC 703.7) ^{i.})	
=	Installation:	ASTM C 926, ASTM C 1063)	
5	Lath and lath attachment. Portland Cement plaster mix, number of coats, thickness of coats.	IRC R703.7.1	1			
ל		IRC Tables R702.1(1), 702.1(3) IRC R703.7.2				
DE	Weep screed material, attachment and location.	ASTM C 926, IRC R703.7.2.1		Periodic		
	Water resistive barrier installation, flashing installation, and drainage.	IRC R703.2, IRC R703.4,	-			
2	Application of each coat and minimum curing.	IRC R703.7.3 ASTM C 926,	-			
	Application of cach coat and minimum caring.	IRC R703.7.4, IRC R703.7.5)	
	i.Includes stucco installation.					
	EXTERIOR INSULATION AND FINISH SYSTEM (IRC 703.7) J.)	
	Installation:	ASTM E 2568)	
	Installed in accordance with EIFS manufacturer's instructions. Drainage provided over all wall assemblies except substrates of masonry	IRC R703.9	-			
	or concrete. Drainage shall have a 90 percent efficiency. EIFS and EIFS drainage shall terminate not less than 6 inches above finish grade.	ASTM 2273, ASTM E 2570, IRC R703.2		Periodic		
	Flashing shall be shall be provided per IRC R703.8. Decorative trim shall	IRC R703.8, IRC R703.4,				
	not be face-nailed through the EIFS.	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.	9				
	LATERAL RESISTING SYSTEM)	
	Installation:			$\overline{}$,	
	Shearwall and diaphragm sheathing, panel edge and field nailing.	Construction Documents				
	Lateral load path continuity, i.e. roof and floor diaphragm to shearwall top plate below, shearwall to foundation.	Construction Documents		Periodic		
	Collector / drag strut nailing and connections. Holdown installation and		-			
	location.	Construction Documents			J	
	RESIDENTIAL WASHINGTON STATE ENERGY CODE					
	Air Leakage Control:		I	$\overline{}$	Ś	
	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	WSEC R402.4.1.2,				
	changes per hour as required by Energy Credit 2a. Tested and verified as having an air leakage rate not exceeding 2 air	WSEC Table 406.3			 	
	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	WSEC R402.4.1.2,			 	
	changes per hour as required by Energy Credit 2c. Duct testing shall be provided in accordance with WSU RS-33 using the	WSEC Table 406.3			 	
	maximum duct leakage rates specified in WSEC R403.3.4. Written results	WSEC R403.3.3,				
-	shall be signed by the tester and provided to the code official.	WSEC R403.3.4			<i></i>	
5	MERCER ISLAND ADDITIONAL CIVIL ENGI	NEERING RE	QUIREME	NTS:		
5	The following civil engineering inspections and documentation		-		ofessional Ass	ociated
	inspection reports and documentation shall be provided to the	·	•		010331011411.7133	ociated
j	CIVIL ENGINEERING INSPECTIONS	<u> </u>			APPRO	OVALS
	Project Civil Engineer or Geotechnical Engineer shall inspect and certify that	Construction Documents		\vdash	Agency Inspector sign-off	City Inspecto
Ľ	the lawn and landscape areas meet the specified post-construction soil	BMP T5.13 (2017 DOE manual)		Periodic	Sign-on	sign-off
E	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		
	pavement system and all LID systems for conformance to approved plans.	Geotechnical Report		renouie		
7	Project Geotechnical Engineer shall observe and certify the infiltration	Construction Documents,]	
2	system, dispersion system, rain garden, bioretention, permeable pavement system, and all LID systems to verify suitablity of existing soil conditions.	Infiltration Report, 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:				 	
					J	
	SURVEY REQUIREMENTS (The following survey in	formation must be	. cubositted to	nlannaruha	n chackad).	
	Surveyor shall verify points chosen for height calculations and	point verification s	hall be submit	ted at the time	e of City found	ation
	Inspection. A property survey may be required to verify setback	•			•	
	reserves the right to request a lot coverage and hardscape area		_	•		•
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	July at any time	- 0.101 10 13300		isto di Occupa	,.
	Land Use Planning Contact:		email:			

SPECIAL INSPECTOR AND AGENCY INSPECTOR CONTACTS:
Each inspector designated in the field to perform any of the above Special Inspections or City initiated Agency Inspection

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.

INSPECTOR NAME	INITIALS	COMPANY NAME	PHONE NUMBER	EMAIL ADDRESS

Hardscape survey
Gross floor area survey

MAXIMUM 40 PERCENT ALTERATION INSPECTION: MICC 19.01.050(D)(1)(b)(i)

Building height survey Building setback survey

g. Special inspection not required for EIFS applications where installed over water-resistive barrier with a means of draining **h.** Special inspection is not required for EIFS applications installed over masonry or concrete walls.

moisture to the exterior.