(206) 275-7605 EPERMIT.TECH@



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**INSPECTION REQUESTS** 

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

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

PROJECT DESCRIPTION This scope should match the
Ruilding Pormit Application Form

	<u> </u>
PROIFCT	CONTACT INFORMATION

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

#### 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	omponents of the thermal envelo	pe. Include U-factors, insulation	and moisture control WSEC Table 402.1.2	Sheet:
Energy Credit Information-	nclude complete information on p	plan for options selected and equ	uipment specified wSEC Tables 406.2 and 406.3	Sheet:
☐ No Credits Required	☐ Small Dwelling Unit	☐ Medium Dwelling U	nit	] < 500 sf addition
New Construction Tests- The	following are mandatory testing a	and reporting requirements of W	/SEC Ch 4 for new construction	
<ul><li>Certificate of Energy E</li></ul>	fficiency wsec R401.3 • Duct	Leakage Testing WSEC R403.3.5	• 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	gy credits
Whole House Ventilation- Sp	ecify system type below and inclu	ude all system requirements on s	sheet noted wsrc Section M1505.4	Sheet:
Exhaust fans wsrc 1505.4.1.	Supply fans wsrc 1505.4.1	.3 Balanced system wsr	ac 1505.4.1.4 Other permitted system	n

### 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

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

over-excavation, soil preloading, etc.

☐ 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 is required and has been provided. All construction must be kept on site at all time				
	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.

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

No grading or excavation will occur between October 1st and April 1st. SDL waiver not applicable.

- 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
  - or other high water table with seismic mapping)

REQUIREMENTS FOR □ NEW SINGLE FAMILY BUILD □ DEMOLITION/REBUILD □ ADDITION □ REMODEL □ REPAIR □ DOCK □ SITE IMPROVEMENTS □ SEISMIC RETRO
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.
ns must be kept on site and maintained in good condition.

	GLE FAMILY BUILD   DEMOLITION/REBUILD			NTS   SEISMIC RETRO	)
Approved plans must be kept on site and maintained in good condition	eviation from the approved project plans is allowed without prior approvion.	val from the City of Mercer Isla	inu.		
Refer to "Conditions of Permit Approval" provided at permit is:	suance for required construction rules and regulations, including:	REQUIRED CONST	RUCTION INSPECTIONS		
<ul><li>Site Considerations</li><li>ROW restrictions</li></ul>	ons ° Additional Fire Code Requirements		sibility to contact CPD to schedule ALL inspections applicable to the pr	oject. Request inspections online at	
° Hours of Work ° Drainage Requ ° Construction Vehicle Parking Restrictions ° Sewer Require	- '		om or by calling the Inspection Hotline at (206) 275-7730. Each MBP in	spection type is in [square brackets]	1.
° Access Road Requirements ° Water Service	Traise / tageter rent earlier	Refer to FIRE PROTECTION	REQUIREMENTS for information on scheduling a fire inspection.		
PRECONSTRUCTION MEETING REQUIRED. Refer to the "Precon Temporary site address with minimum 6" high numbers visible	from the street must be installed.		"*" are not building permit inspections, and should be requested un nit issuance or search by address at mybuildingpermit.com for other i		r. Refer to the
✓ Erosion control measures must be as shown on approved proje	ct drawings. All erosion control is to be in place and inspected	INSPECTIONS: (Listed in order		saca perimenambers.	1 2 8
prior to the start of any work.  A City of Mercer Island Business License is required for all subc	contractors. Call (206) 275-7602 for more information.	Increase Pate Orioleo	Inspection Description	MBP.com Inspection Name	RTIAL RTIAL
Additional rockeries, patios, gravel or concrete paths, and other		Inspector Date $k_0, k_1$	Pre-construction Meeting to Review Conditions of Permit Approval	[PRE-CON MTG GENERAL]	
for review and approval prior to installation.			Tree protection	[TREE PROTECTION]	
(LEGAL NONCONFORMANCE/STORMWATER	THRESHOLD )		Erosion control	[EROSION CNTROL]	
	Code (MICC 15.09) can have a significant impact on the requirements	*	Sewer disconnect and cap	[SIDE SEWER DISCONNEC]	
to conform with current code. Take special care to conform to the	e construction documents as-issued to avoid additional improvements.		Right-of-way use or work / easement, material delivery, etc. If applicable, separate ROW permit required	[ROW OR UTILITY IMPRO]	
☐ This project includes modification of legally nonconforming st	ructures - MICC 19.01.050	*	Land clearing, grading and demolition	[FINAL DEMO]	
☐ This project retains existing construction to limit calculation of	f New Plus Replaced Hard Surface - MICC 15.09		Pilings / Shoring / Shotcrete. If applicable, provide survey letter	[FOUNDATION WALLS/CON]	
TREE REQUIREMENTS			(property line); Geotechnical Engineer / Special Inspector		
TREE REQUIREIVIENTS			reports of inspections (pile and shoring installation, etc.) Footings, setbacks, UFER ground. If applicable, provide survey letter	[FOOTINGS, SETBACKS, U]	
TREE REMOVAL NOT SHOWN ON APPROVED PLAN MAY REQU			(building height and setbacks); Special Inspector reports of inspection		
	alled at tree dripline prior to start of any site work and must remain of follow approved plans shall result in fines per MICC 19.19.160.		(soil bearing capacity, compaction, earthwork, pile installation, etc.)		
Replacement conifer trees must be a minimum of six feet tall a			Foundation walls / concrete columns Roof and footing drains	[FOUNDATION WALLS/CON] [CONVEYANCE FACILITIE]	
1-1/2 inches. They must be planted and approved prior to final			Foundation damproofing	[FOUND DAMP PROOFING]	
For this project, trees are authorized to be removed		*	Storm drainage, including (but not limited to)	[CONVEYANCE FACILITIE]	
www.fws.gov/pacific/eagle.	ct Federal Fish and Wildlife at (360) 534-9304 or visit their website at		° Connections to storm main in ROW      ° Area drains		
FIRE PROTECTION REQUIREMENTS			° Det systems / Conveyance / Flow control ° Storm drain in ROW ° Infiltration systems / L.I.D. systems ° Pump systems		
•	Inspections can be requested by calling (206) 275-7979 and require		° Catch basins	e	
three (3) days advanced notice. Do not request fire inspections via		*	Water Service	[3. WATER SERVICE TAP]	
☐ Fire Sprinkler	☐ Monitored Household		Water Supply	[WATER SUPPLY LINE]	
NFPA 13D	Fire Alarm per NFPA 72	*	Side sewer installation, including (but not limited to)	[SIDE SEWER INSTALLAT]	
Full Coverage	Monitored Sprinkler		<ul> <li>Connections to side sewer main</li> <li>Connections to existing side sewer</li> <li>Grinder pump systems</li> </ul>		
□ NFPA 13R	Water Flow Alarm		Connections to existing side sewer — Grinder pump systems		
☐ NFPA 13 ☐ Approved Fire Code Alternatives (FCA):	Other:	*	Driveway / Access road	[ROW OR UTILITY IMPRO]	
FCA1	□FCA3		Underslab electrical / mechanical / plumbing Underslab insulation / vapor barrier / reinforcing	[UNDER-SLAB ELECT/MEC] [UNDER-SLAB INSULATIO]	
			Underfloor framing	[UNDER-FLOOR FRAMING]	
FCA2	FCA4		Nailing-Roof sheathing (See SF2 for Required Agency Inspection)	[NAILING-ROOF SHEATHING]	
			Shear wall construction (See SF2 for Required Agency Inspection)	[NAILING-EXTERIOR WALL]	
WATER SERVICE REQUIREMENTS			Rough hydronic installation	[ROUGH HYDRONIC PIPIN]	
☐ New or upsized water supply system required.	Additional water supply requirements:		Rough electric installation	[ROUGH ELECTRIC]	
Water service pre-con meeting and parts inspection are	Additional water supply requirements:  • Contractor shall provide water supply that meets the required	*	Rough fire alarm (wiring inspection) Rough plumbing installation (DWV, water)	[ROUGH-IN LOW VOLTAGE] [ROUGH PLUMBING]	
required prior to scheduling the water tap with the City.	fire sprinkler system fire flow. Fire calculations or fire flow		Rough mechanical	[ROUGH MECHANICAL/HVA]	
Schedule these inspections under the water service permit	, , , , , , , , , , , , , , , , , , , ,		Electrical service	[ELECTRICAL SERVICE]	
☐ Applicant Installation.☐ Minimum Service Line Size (main to meter):	water supply line.  Pressure reducing valve required if water pressure		Gas Piping & Test  Pough fire sprinkler / hydrostatic and flow (hyeket) test	[GAS PIPING/TEST]	
☐ Minimum Supply Line Size (main to meter):	exceeds 80 psi.	<b>*</b> □ □	Rough fire sprinkler / hydrostatic and flow (bucket) test Framing and glazing. (See SF2 for Required Agency Inspection)	[ROUGH SPRINKLER RES/STATUS [FRAMING (& GLAZING)]	5] 🗌 🗎 🗎
Minimum Required Meter Size:	Reduced pressure backflow assembly (RPBA) required for all		Masonry construction (fireplace / walls / veneer / etc.)	[MASONRY]	

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	<ul> <li>Additional water supply requirements:</li> <li>Contractor shall provide water supply that meets the receive fire sprinkler system fire flow. Fire calculations or fire flow testing outcome may require a larger water service/met water supply line.</li> <li>Pressure reducing valve required if water pressure exceeds 80 psi.</li> <li>Reduced pressure backflow assembly (RPBA) required for waterfront lots and for lots with potential connection to non-city water supply. See mercerisland.gov/backflow</li> </ul>
become a single principle of includes a strong the property of	s.c, mate. supply. see mercensiana.gov, backnow

house) sizing prior to final inspection. Upsizing may be required. For additional information about Water Service Inspection process: https://www.mercerisland.gov/cpd/page/water-service

$CT \cap R \Lambda$	/\\//ATFR		GEMENT
	/	IVIAIVA	<i>C</i> ILIVILIA I

STURIVIWATER IVIANAGEIVIENT
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.

# ( SIDE SEWER REQUIREMENTS

Side sewer requires a b	ackflow preventer due to: a conne	ction to the lake line, or elevation of the lowest plumbing fixture is	s low
	ne upstream manhole rim, or side s ewer required (see standard details	sewer is shared with one or more properties	
New connection	Connect to existing	$\square$ Disconnect permit required $\square$ Reconnect permit require	ed
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:	
-		
-		

# Y APPLICANT BY CITY PROJECT ALERTS AND NOTES TO INSPECTORS

WILDLAND/URBAN INTERFACE		_		
	MIII DI	VVID\II	DDANIII	NITEDEACE

WILDLAND	/ UKBAN IN I
-RESERVED FO	R FUTURE USE-

# **EQUIRED CONSTRUCTION INSPECTIONS**

		Approved AIA				TIAL TIAL
Inspector	Date	APP AIR	Inspection Description  Pre-construction Meeting to Review Conditi	ons of Permit Approval	MBP.com Inspection Name  [PRE-CON MTG GENERAL]	PARTIAL  PARTIAL  PARTIAL
			Tree protection	ons of Fermit Approval	[TREE PROTECTION]	
		-	Erosion control		[EROSION CNTROL]	
		_*	Sewer disconnect and cap		[SIDE SEWER DISCONNEC]	
		_*	Right-of-way use or work / easement, mater		[ROW OR UTILITY IMPRO]	
			etc. If applicable, separate ROW permit requ	uired		
—		_*	Land clearing, grading and demolition		[FINAL DEMO]	
—		_	Pilings / Shoring / Shotcrete. If applicable, p		[FOUNDATION WALLS/CON]	
			(property line); Geotechnical Engineer / Spe	cial Inspector		
_			reports of inspections (pile and shoring insta Footings, setbacks, UFER ground. If applicab		[FOOTINGS, SETBACKS, U]	
			(building height and setbacks); Special Inspe	ector reports of inspections	5	
			(soil bearing capacity, compaction, earthwo	•		
			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	o)	[CONVEYANCE FACILITIE]	
			° 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		
		*	Water Service		[3. WATER SERVICE TAP]	
			Water Supply		[WATER SUPPLY LINE]	
		 *	Side sewer installation, including (but not lin	mitad tal	[SIDE SEWER INSTALLAT]	
_			° Connections to side sewer main	° Back-flow valves	[SIDE SEVVER INSTALLAT]	
			° Connections to side sewer main	° Grinder pump systems		
		. — —	<u> </u>	omaci pamp systems		
-		_*	Driveway / Access road		[ROW OR UTILITY IMPRO]	
_		$- \square \square$	Underslab electrical / mechanical / plumbing		[UNDER-SLAB ELECT/MEC]	
_		-	Underslab insulation / vapor barrier / reinfo	rcing	[UNDER-SLAB INSULATIO]	
_		-  -  -  -	Underfloor framing		[UNDER-FLOOR FRAMING]	
_		_	Nailing-Roof sheathing (See SF2 for Required	d Agency Inspection)	[NAILING-ROOF SHEATHING]	
_			Shear wall construction (See SF2 for Require	ed 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]	
		*	Rough fire sprinkler / hydrostatic and flow (I	bucket) test	[ROUGH SPRINKLER RES/STATUS]	
			Framing and glazing. (See SF2 for Required A	•	[FRAMING (& GLAZING)]	
_			Masonry construction (fireplace / walls / ver		[MASONRY]	
			Insulation installation	,	[INSULATION]	
			Stucco (paper and lath)		[STUCCO]	
			Shower pan (or tub)		[SHOWER PAN (OR TUB)]	
_			Weather exposed balcony and walking surfa	ace waterproofing	[ROOF DECK WATERPROOFING]	ППП
_			Code Alternative CA1		[CODE ALT 1]	
			Code Alternative CA2		[CODE ALT 2]	
	NICDE	CTIO	NC .		TCO ADDDOVA	1.0
<b>\L</b> I ctor	Date	CTIO	NS		TCO APPROVA	LS
		_ 🗌 Fin	al Tree Inspection: Tree Restoration [FINAL_1	rree]		TCO_TRE
		_ 🗌 Fin	al Fire Inspection: Fire protection [FINAL FIRE			TCO_FIRE
_						
			prinkler	° Fuel Tank Insta		
		° A	access Road	° Fire Extinguish	ing System	
		° A	ire Code Alternatives (see below)	° Fire Extinguish ° <u>Fir</u> e Alarm Syst	ing System	
		° A	Access Road ire Code Alternatives (see below) FCA1	° Fire Extinguish ° Fire Alarm Syst ☐ FCA3:	ing System	
_		° A - ° F - [	ire Code Alternatives (see below)	° Fire Extinguish ° Fire Alarm Syst ☐ FCA3: ☐ FCA4:	ing System em	TCO CIV

<b>→</b>   FCA2	
er   Final Civil Inspection: Site and utility, landscape, utilities, ROW, and Site [FINAL_CIVIL]	[TCO_CIVIL]
Water supply protection/Backflow devices for:  • Waterfront property  • Fire / lawn sprinkler  ———————————————————————————————————	□ [TCO_BLDG

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

$\prec$	Approved	Start Date	End Date			
2	ADDITIONAL REQUIRED CITY INSPECTIONS					
	Use the contact information below to arrange these additional insp	pections.				
	Required Inspection(s):	Contact:	Contact email:			

IMPACT FEES	PLAN REVIEW APPROVALS					
f required for the project but deferred beyond permit issuance.	Not all revie	ew disciplines	may be required	d 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	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	FREQUENCY	APPROVALS  Special Inspector City Inspe sign-off   sign-of
SPECIAL INSPECTION DESCRIPTION  ALTERNATIVE MATERIALS AND SYSTEMS (IDC 1705.1)				sign-off sign-off		NEI ENLIVEES	REQUIRED	TREGOENCI	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	<b>'</b>
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:			<del> </del>	Verify excavations are extended to proper depth and have reached proper material.	Geotechnical Report		Periodic	
Chacan accept approaches of mass acceptable in the coast.					Perform classification and testing of compacted fill materials.	Geotechnical Report		Periodic	1
Materials and systems required to be installed in accordance with	Notes:			<del> </del>	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		+		<del> </del>
contained in the IBC or in standards referenced by the IBC.				/	verify that site has been prepared properly.	Geotechnical Report		Periodic	)
CDECIAL INCDECTION DESCRIPTION	REFERENCES	SPECIAL INS	P FREQUENCY	,	DRIVEN DEEP FOUNDATIONS (IBC 1705.7)				<u> </u>
SPECIAL INSPECTION DESCRIPTION  STEEL CONSTRUCTION (IBC 1705.2)	REFERENCES	REQUIRED	FREQUENCE		Verify element materials, sizes and lengths comply with the	Geotechnical Report,	Тп	Continuous	ĺ
Structural Steel:				}	requirements noted in the drawings and geotechnical report.  Determine capacities of test elements and conduct additional load	Construction Documents  Geotechnical Report,	<del>-</del>		<del>-</del>
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 record for each element.	S 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				
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	, ,			<b> </b>	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			┧
Institute QA/QC.				<u> </u>	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.				<b>╎</b>
Bridging: horizontal or diagonal.	SJI Specification per IBC		Periodic		Inspect drilling operations and maintain complete and	Geotechnical Report.			<b>'</b>
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,			<del> </del>
trusses over 60 feet.	IBC 1703.2.4		renouic	]	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.	ACI 318 Ch 26.6.4		, sinduit	-	responsible charge.  SPECIAL INSPECTION FOR WIND RESISTANCE (IBC 1705.11) c.				<b>΄</b> —   —
Inspect single-pass fillet welds, maximum 5/16 inches.	AWS D1.4 ACI 318 Ch 26.6.4		Periodic		Structural wood wind resistance elements:	IBC 1705.11.1,		_	<b>,</b>
Inspect all other welds.	AWS D1.4 ACI 318 Ch 26.6.4		Continuous		Field gluing of wood elements of the windforce-resisting system.	Construction Documents		Continuous	<u> </u>
Inspect anchors cast in concrete.	ACI 318 Ch 17.8.2		Periodic		Nailing, bolting, anchoring and other fastening of wood elements of the main windforce-resisting system, including wood shear walls, wood	IBC 1705.11.1, Construction Documents		Periodic	
Anchors post-installed in hardened concrete members:				<del> </del>	diaphragms, drag struts, braces and hold-downs. d.  Cold-formed steel light-frame wind resistance elements:				<del> </del>
Adhesive anchors installed in horizontally or upwardly inclined	ACI 318 Ch 17.8.2.4		Continuous		Welding operations of cold-formed steel light-frame elements of the main	IBC 1705.11.2, Construction Documents		Periodic	
orientations to resist sustained tension loads.  All other post-installed mechanical and adhesive anchors.			Periodic	<del> </del>	windforce-resisting system.  Screw attachment, bolting, anchoring, and other fastening of elements				1
	ACI 318 Ch 17.8.2		renodic	<b> </b>	of cold-formed steel light-frame elements of the main	IBC 1705.11.2, Construction Documents		Periodic	
Verify use of required design mix.	ACI 318 Ch 19, 26.4.3, 26.4.4 IBC 1904.1, 1904.2, 1908.2, 1908.3		Periodic		windforce-resisting system, including shear walls, braces, diaphragms, drag struts and hold-downs. <sup>d.</sup>	construction 2000ments			<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),	+	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	Construction Documents od or steel structural panels are	on only one side of		' —— I —
application techniques.  Verify maintenance of specified curing temperature and techniques.			0	<del> </del>	Category C or D per IBC Section 1705.11 (2). the shear wall and the fastener spacing for	•	•		
	ACI 318 Ch 26.5-26.5.5		Periodic		Structural stool soignic force registing systems:			1	<b>/</b>
Prestressed concrete:  Application of prestressing forces.	ACI 318 Ch. 26.10		Continuous		Structural steel seismic force-resisting systems:  Special Inspections of MLFRS shall be in accordance with AISC 341	IBC 1705.12.1.1, AISC 341 Seismic Provisions	s	Per Standard	
Grouting of bonded prestressing tendons.	ACI 318 Ch. 26.10		Continuous	1 —   —	Chapter J. Submit all documents referenced in Section J3 "Quality Assurance Agency Documents" to the city for review.	for Structural Steel Building	1 1 1	i ei stailuafü	
Inspect erection of precast concrete members.			Donie III -		Special inspection of structural steel elements shall be in accordance with	· 1			1
	ACI 318 Ch. 26.9		Periodic		AISC 341 Chapter J. Submit all documents referenced in Section J3 "Qualit Assurance Agency Documents" to the city for review.	AISC 341 Seismic Provisions for Structural Steel Building		Per Standard	
Precast concrete diaphragm connections	ACI 318 Ch. 26.13.1.3		Periodic	l l	Structural wood seismic force-resisting systems:	IDC 1705 10 3 /1)		2	1
Precast diaphragm installation tolerances	ACI 550.5		Continuous		Special inspection during field gluing operations for elements of the seismic force-resisting system.	IBC 1705.12.2 (1)		Continuous	<u> </u>
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				
and forms from beams and structural slabs.					wood shear walls, wood diaphragms, drag struts, braces, shear panels	IBC 1705.12.2 (2)		Periodic	
Inspect formwork for shape, location and dimensions of the concrete member being formed	ACI 318 Ch. 26.11.2(b)		Periodic		and hold-downs. f.  Cold-formed steel light-frame seismic force-resisting systems:	+			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.				)	Special inspection required for screw attachment, bolting, anchoring,		_		1
Empirically designed masonry, glass unit masonry, or masonry veneer as part of a Risk Category IV structure	ACI 530 Chapter 3		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	IBC 1705.4				e. Required where any of the following  Torsional or extreme torsional irregularity	Stiffness (soft story) or ex			,
Vertical masonry foundation elements requiring Quality Assurance per ACI 530	ACI 530 Chapter 3 IBC 1705.4		Per Standard	]	conditions exist (refer ASCE 7 Section 12.3): Nonparallel systems irregularity  f. Special inspection not required where wood or steel structural panels are on only one side of	Discontinuity in lateral str the shear wall and the fastener	ength (weak story irre	egularity)	
<b>b.</b> Masonry special inspection not required where work meets the exceptions listed in IBC Section					spacing for the sheathing is greater than 4 inches on center.  SPRAYED FIRE-RESISTANT MATERIALS (IBC 1705.14)				
WOOD CONSTRUCTION (IBC 1705.5)	1	T	T	)	Special inspection and testing shall be per IBC Sections 1705.14.1				<b>′</b>
High-Load diaphragms:  Panel thickness, framing member sizes, and nail or staple diameters and					through 1705.14.6 as applicable.	IBC 1705.14			<b>∤</b>
patterns (includes any diaphragms utilizing more than one row of	IBC 1705.5.1		Periodic		MASTIC AND INTUMESCENT FIRE RESISTANT COATINGS (IBC 1705.15)				ζ
fasteners at edges designed per IBC Section 2306.2/SDPWS 4.2.7.1.2).  Metal-plate-connected wood trusses spanning 60 feet or greater:					Special inspection is required for fire-resistant coatings applied to structural elements and decks.	AWCI 12-B, Construction Documents			) _
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)			•	)
submittal package.					Special inspection and testing shall be provided for all EIFS				)
Mass timber construction per IBC Table 1705.5.3	IBC 1705.5.3		Periodic		applications. <sup>g. h.</sup> Special inspection is required for water-resistive barrier complying	ACTAL	+	+	ή —   —
Mass timber (upwardly inclined adhesive anchors)	IBC 1705.5.3		Continuous	J	with ASTM E 2570 when installed over a sheathing substrate.	ASTM E 570			<i>)</i>

MERCER ISLAND REQUIRED AGENCY INSPECTIONS
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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) <sup>i.</sup>				)	
=	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	<u> </u> 			
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 each coat and minimum earing.	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,	1			
	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				<b></b>	
	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			<b> </b>	
	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,			<b> </b>	
	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			<b> </b>	
	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
<b>E</b>	quality and depth requirements.  Project Civil Engineer shall inspect and certify the construction of the	·			<b> </b>	
)	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	<b>J</b>	
	CIVIL ENGINEERING DOCUMENTATION				<b></b>	
	The Declaration of Covenant for the inspection and maintenance of private				<b>\</b>	
	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:				<b> </b>	
					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		_	•		•
	. 135. 155 till Figure to request a lot coverage and manascape area	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.