



for Homes

LEED for Homes Mid-rise Simplified Project Checklist

Builder Name:	Qualex-Landmark Northern Limited Partnership
Project Team Leader (if different):	Cyrus Navabi
Home Address (Street/City/State):	700 E. 3rd, North Vancouver

Project Description

Building type: **Mid-rise multi-family**

of stories: 5

Certified: 37

Gold: 67

of units: **164**

Avg. Home Size Adjustment: -8

Silver: 52

Platinum: 82

Adjusted Certification Thresholds

Project Point Total

Targeted: **75.5**

Maybe: 0

Certification Level

Targeted: **Gold**

Points needed: **67**

date last updated: May 6 2016

last updated by: Diana Klein

				Max Pts	Project Points Preliminary			
Innovation and Design Process (ID)				Max	Y/Pts	?	No	
(No Minimum Points Required)								
1. Integrated Project Planning	1.1	Preliminary Rating		Prereq	Y			
	1.2	Energy Expertise for MID-RISE		Prereq	Y			
	1.3	Professional Credentialed with Respect to LEED for Homes		1	1	0	0	
	1.4	Design Charrette		1	1	0	0	
	1.5	Building Orientation for Solar Design		1	0		1	
	1.6	Trades Training for MID-RISE		1	1	0	0	
2. Durability Management Process	2.1	Durability Planning		Prereq	Y			
	2.2	Durability Management		Prereq	Y			
	2.3	Third-Party Durability Management Verification		3	3	0	0	
3. Innovative or Regional Design	3.1	• Innovation #1 ID ruling #2769 SSc7.1		1	1	0	0	
	3.2	• Innovation #2 LEED ND SLL p1: smart location		1	1	0	0	
	3.3	• Innovation #3 Enter innovation strategy		1	0	0	1	
	3.4	• Innovation #4 Enter innovation strategy		1	0	0	1	
Sub-Total for ID Category:				11	8	0	3	
Location and Linkages (LL)				OR	Max	Y/Pts	?	No
(No Minimum Points Required)								
1. LEED ND	1	LEED for Neighborhood Development	LL2-6	10	0	0	10	
2. Site Selection	2	• Site Selection		2	2	0	0	
3. Preferred Locations	3.1	Edge Development		1	0	0	1	
	3.2	Infill	LL3.1	2	2	0	0	
	3.3	Brownfield Redevelopment for MID-RISE		1	0	0	1	
4. Infrastructure	4	Existing Infrastructure		1	1	0	0	
5. Community Resources/Transit	5.1	Basic Community Resources for MID-RISE		1	0	0	1	
	5.2	Extensive Community Resources for MID-RISE	LL 5.1, 5.3	2	2	0	2	
	5.3	Outstanding Community Resources for MID-RISE	LL 5.1, 5.2	3	0	0	3	
6. Access to Open Space	6	Access to Open Space		1	1	0	0	
Sub-Total for LL Category:				10	8	0	18	
Sustainable Sites (SS)				OR	Max	Y/Pts	?	No
(Minimum of 5 SS Points Required)								
1. Site Stewardship	1.1	Erosion Controls During Construction		Prereq	Y			
	1.2	Minimize Disturbed Area of Site for MID-RISE		1	1	0	0	
2. Landscaping	2.1	• No Invasive Plants		Prereq	Y			
	2.2	• Basic Landscape Design	SS 2.5	1	1	0	0	
	2.3	• Limit Conventional Turf for MID-RISE	SS 2.5	2	2	0	0	
	2.4	• Drought Tolerant Plants for MID-RISE	SS 2.5	1	1	0	0	
	2.5	• Reduce Overall Irrigation Demand by at Least 20% for MID-RISE		3	0	0	3	
3. Local Heat Island Effects	3.1	• Reduce Site Heat Island Effects for MID-RISE		1	1	0	0	
	3.2	• Reduce Roof Heat Island Effects for MID-RISE		1	0	0	1	
4. Surface Water Management	4.1	• Permeable Lot for MID-RISE		2	0	0	2	
	4.2	Permanent Erosion Controls		1	1	0	0	
	4.3	• Stormwater Quality Control for MID-RISE		2	0	0	2	
5. Nontoxic Pest Control	5	Pest Control Alternatives		2	1	0	1	
6. Compact Development	6.1	Moderate Density for MID-RISE		2	0	0	2	
	6.2	High Density for MID-RISE	SS 6.1, 6.3	3	3	0	0	
	6.3	Very High Density for MID-RISE	SS 6.1, 6.2	4	0	0	4	
7. Alternative Transportation	7.1	Public Transit for MID-RISE		2	2	0	0	
	7.2	Bicycle Storage for MID-RISE		1	1	0	0	
	7.3	Parking Capacity/Low-Emitting Vehicles for MID-RISE		1	1	0	0	
Sub-Total for SS Category:				22	15	0	15	

Water Efficiency (WE)			(Minimum of 3 WE Points Required)	OR	Max	Y/Pts	?	No
1. Water Reuse	1.1	•	Water Reuse for MID-RISE		5	0	0	5
2. Irrigation System	2.1	•	High Efficiency Irrigation System for MID-RISE	WE 2.2	2	2	0	0
	2.2	•	Reduce Overall Irrigation Demand by at least 45% for MID-RISE		2	0	0	2
3. Indoor Water Use	3.1		High-Efficiency Fixtures and Fittings		3	0	0	3
	3.2		Very High Efficiency Fixtures and Fittings		6	6	0	0
	3.3		Water Efficient Appliances for MID-RISE		2	2	0	0
Sub-Total for WE Category:					15	10	0	10
Energy and Atmosphere (EA)			(Minimum of 0 EA Points Required)	OR	Max	Y/Pts	?	No
1. Optimize Energy Performance	1.1		Minimum Energy Performance for MID-RISE		Prereq	Y		
	1.2		Testing and Verification for MID-RISE		Prereq	Y		
	1.3		Optimize Energy Performance for MID-RISE		34	12	0	22
7. Water Heating	7.1	•	Efficient Hot Water Distribution		2	0	0	2
	7.2		Pipe Insulation		1	0	0	1
11. Residential Refrigerant Management	11.1		Refrigerant Charge Test		Prereq	Y		
	11.2		Appropriate HVAC Refrigerants		1	1	0	0
Sub-Total for EA Category:					38	13	0	25
Materials and Resources (MR)			(Minimum of 2 MR Points Required)	OR	Max	Y/Pts	?	No
1. Material-Efficient Framing	1.1		Framing Order Waste Factor Limit		Prereq	Y		
	1.2		Detailed Framing Documents	MR 1.5	1	0	0	1
	1.3		Detailed Cut List and Lumber Order	MR 1.5	1	0	0	1
	1.4		Framing Efficiencies	MR 1.5	3	1	0	2
	1.5		Off-site Fabrication		4	0	0	4
2. Environmentally Preferable Products	2.1	•	FSC Certified Tropical Wood		Prereq	Y		
	2.2	•	Environmentally Preferable Products		8	4	0	4
3. Waste Management	3.1		Construction Waste Management Planning		Prereq	Y		
	3.2		Construction Waste Reduction		3	1.5	0	1.5
Sub-Total for MR Category:					16	6.5	0	13.5
Indoor Environmental Quality (EQ)			(Minimum of 6 EQ Points Required)	OR	Max	Y/Pts	?	No
2. Combustion Venting	2		Basic Combustion Venting Measures		Prereq	Y		
3. Moisture Control	3		Moisture Load Control		1	0	0	1
4. Outdoor Air Ventilation	4.1	•	Basic Outdoor Air Ventilation for MID-RISE		Prereq	Y		
	4.2		Enhanced Outdoor Air Ventilation for MID-RISE		2	2	0	0
	4.3		Third-Party Performance Testing for MID-RISE		1	1	0	0
5. Local Exhaust	5.1	•	Basic Local Exhaust		Prereq	Y		
	5.2		Enhanced Local Exhaust		1	1	0	0
	5.3		Third-Party Performance Testing		1	1	0	0
6. Distribution of Space Heating and Cooling	6.1	•	Room-by-Room Load Calculations		Prereq	Y		
	6.2		Return Air Flow / Room by Room Controls		1	1	0	0
	6.3		Third-Party Performance Test / Multiple Zones		2	2	0	0
7. Air Filtering	7.1		Good Filters		Prereq	Y		
	7.2		Better Filters	EQ 7.3	1	0	0	1
	7.3		Best Filters		2	0	0	2
8. Contaminant Control	8.1	•	Indoor Contaminant Control during Construction		1	1	0	0
	8.2		Indoor Contaminant Control for MID-RISE		2	1	0	1
	8.3		Preoccupancy Flush		1	1	0	0
9. Radon Protection	9.1	•	Radon-Resistant Construction in High-Risk Areas		Prereq	Y		
	9.2	•	Radon-Resistant Construction in Moderate-Risk-Areas		1	0	0	1
10. Garage Pollutant Protection	10.1		No HVAC in Garage for MID-RISE		Prereq	Y		
	10.2		Minimize Pollutants from Garage for MID-RISE	EQ10.3	2	2	0	0
	10.3		Detached Garage or No Garage for MID-RISE		3	0	0	3
11. ETS Control	11		Environmental Tobacco Smoke Reduction for MID-RISE		1	0	0	1
12. Compartmentalization of Units	12.1		Compartmentalization for Units		Prereq	Y		
	12.2		Enhanced Compartmentalization of Units		1	0	0	1
Sub-Total for EQ Category:					21	13	0	11
Awareness and Education (AE)			(Minimum of 0 AE Points Required)	OR	Max	Y/Pts	?	No
1. Education of the Homeowner or Tenant	1.1	•	Basic Operations Training		Prereq	Y		
	1.2	•	Enhanced Training		1	0	0	1
	1.3		Public Awareness		1	1	0	0
2. Education of Building Manager	2	•	Education of Building Manager		1	1	0	0
Sub-Total for AE Category:					3	2	0	1

Notes: • means accountability form needs to be signed

LEED for Homes Accountability Form

All declarations and affirmations made in this Accountability Form are made to USGBC solely for the purpose of assisting USGBC in determining whether LEED Certification is merited. No such declaration or affirmation can be construed as a warranty or guarantee of the performance of the building.

INSTRUCTIONS: This form is to be completed by the person / organization responsible for the design and/or implementation of one or more of the LEED for Homes credits below.

- Step 1. Review the requirements in the LEED for Homes Rating System for each prereq. or credit below.
- Step 2. Initial each measure below to indicate that the requirements have been met.
- Step 3. Complete the Accountability Sign-off section, including your signature, at the bottom of the form.
- Step 4. Return a signed copy to the Provider and/or project team leader.

Project Information	
Home Address: East 3rd Street and Moody Avenue Builder: Mike Lawson - Marcon	Return to: Colin Garratt, Kane Consulting #408 - 535 Thurlow Street, Vancouver, BC, V6E 3L2 colin@kane-consulting.ca

Areas of Accountability		
AE 1.1 Basic Operations Training: The home's occupant(s) has been or will be provided with an operations and maintenance manual / binder that includes all of items listed in the Rating System. A one-hour walkthrough of the home with the occupant(s), featuring the elements listed in the Rating System, has been or will be conducted.	Qualex-Landmark	
AE 2.1 Education of Building Manager: The building manager has been or will be provided with an operations and maintenance manual / binder that includes all of items listed in the Rating System. A one-hour walkthrough of the home with the building manager, featuring the elements listed in the Rating System, has been or will be conducted.	Qualex-Landmark	

Accountability Sign-off (to be completed by party responsible for the prerequisites and credits above)		
<p>By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been met for the indicated credits and will, if audited, provide the necessary supporting documents (drawings, calculations, etc.).</p>		
Printed Name Jordan Beaus	Company Qualex-Landmark Nelson LP	
Project Role / Title VP Sales & Marketing	Date 27-Sep-19	
Signature 		

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Areas of Accountability

MR 2.1 FSC Certified Tropical Wood: Both of the following requirements were met: a) All wood product suppliers were provided a notice containing the following elements: i.) a statement that the builder's preference is to purchase products containing tropical wood only if it is FSC-certified; ii.) request for the country of manufacture of each product supplied; and iii.) request for a list of FSC-certified tropical wood products the vendor can supply. b) Any tropical wood used on the project is FSC-certified, reused or reclaimed.	Marcon	ML
MR 2.2 Environmentally Preferable Products: Qualifying assemblies and components meet the criteria for one or more of the following designations, and all information provided to the Green Rater and all measures listed on the project checklist are accurate:	<i>initial only appropriate choice(s) below</i>	
a) Environmentally Preferable Products, including FSC-certified wood products, recycled content, reclaimed content;	Marcon	ML
b) low emissions, typically low-VOC content;	Marcon	ML
c) Local production, indicating that the product was extracted, processed, and manufactured within 500 miles of the site.	Marcon	ML
EQ 8.1 Indoor Contaminant Control During Construction: Upon installation, all ducts and vents were permanently sealed to minimize contamination during construction. Any seals were removed after all phases of construction are completed.	Marcon	ML
EQ 8.3 Pre-Occupancy Flush: Each unit was flushed with fresh air prior to occupancy but after all phases of construction are completed. Each unit was flushed for at least 48 total hours, keeping all interior doors open. During the flush, windows were kept open and fan (e.g., HVAC system fan) ran continuously OR the unit was flushed with all HVAC fans and exhaust fans operating continuously at the highest flow rate. Additional fans were used to circulate air within the unit. The HVAC air filter was replaced or cleaned afterward, as necessary.	Marcon	ML

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Printed Name <u>MIKE LAWSON</u>	Company <u>MARCON PROJECT (593) LTD.</u>
Project Role / Title <u>PROJECT MANAGER</u>	Date <u>OCTOBER 1ST, 2019</u>
Signature <u>[Signature]</u>	

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Project Information

Home Address: East 3rd Street and Moody Avenue



Builder: Mike Lawson - Marcon

Return to: Colin Garratt, Kane Consulting

#408 - 535 Thurlow Street, Vancouver, BC, V6E 3L2

colin@kane-consulting.ca

Areas of Accountability

ID 3.1 Innovation #1: ID Ruling #2769 SS7.1	Kane	
ID 3.2 Innovation #2: LEED ND SLL p1: smart location	Kane	

Location & Linkages (LL)

LL 2. Site Selection: None of the buildings, built structures, roads, or parking areas are located on portions of sites that meet any of the following criteria:

- a) land whose elevation is at or below 100-year floodplain defined by FEMA;
- b) land identified as habitat for any species on the threatened or endangered lists;
- c) land within 100 feet of any water, including wetlands;
- d) land that was public parkland prior to the project, unless land of equal or greater value as parkland is accepted in trade by the public landowner;
- e) land that contains "prime soils", "unique soils", or "soils of state significance".

Responsible Party

initial

Kane



Sustainable Sites (SS)

SS 3.1: Reduce Site Heat Island Effects, part (a): Underground Parking

Responsible Party

initial

Kane



Accountability Sign-off (to be completed by party responsible for the prerequisites and credits above)

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Printed Name Colin Garratt

Company Kane Consulting

Project Role / Title Sustainability Project Manager

Date October 4th, 2019

Signature



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Project Information

Home Address: East 3rd Street and Moody Avenue

Return to: Colin Garratt, Kane Consulting

Builder: Mike Lawson - Marcon

#408 - 535 Thurlow Street, Vancouver, BC, V6E 3L2

colin@kane-consulting.ca

Areas of Accountability

Sustainable Sites (SS)	Responsible Party	Initial
SS 2.1 No Invasive Plants: No invasive plant species introduced into the landscape.	PFS Studio	msd
SS 2.2 Basic Landscape Design: All of the following requirements are met for all designed landscape softscapes: a) any turf must be drought-tolerant; b) do not use turf in densely shaded areas; c) do not use turf in areas with a slope of 25%; d) add mulch or soil amendments as appropriate; e) all compacted soil (e.g., from construction vehicles) should be tilled to at least 6 inches.	PFS Studio	msd
SS 2.3 Limit Conventional Turf: The use of any turf that requires regular mowing, watering and/or chemicals is limited, as indicated below: (2 pts) - less than 20% of designed landscape softscapes	initial only appropriate choice(s) below PFS Studio	msd
SS 2.4 Drought Tolerant Plants: At least 90% of installed plants were drought-tolerant	PFS Studio	msd
WE 2.1 High Efficiency Irrigation Systems: High-efficiency irrigation system elements are installed	initial only appropriate choice(s) below	
b) Design and install an irrigation system with head-to-head coverage.	PFS Studio	msd
f) Create separate zones for each type of bedding area based on watering needs.	PFS Studio	msd
g) Install a timer or controller that activates the valves for each watering zone at the best time of day.	PFS Studio	msd
h) Install pressure-regulating devices to maintain optimal pressure and prevent misting.	PFS Studio	msd
i) Utilize high-efficiency nozzles with an average distribution uniformity (DU) of at least 0.70.	PFS Studio	msd
k) Install a moisture sensor controller or rain delay controller.	PFS Studio	msd

Accountability Sign-off (to be completed by party responsible for the prerequisites and credits above)

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been met for the indicated credits and will, if audited, provide the necessary supporting documents (drawings, calculations, etc.).

Printed Name MIKE DERKSEN

Company PFS Studio

Project Role / Title LANDSCAPE ARCHITECT

Date Oct. 01, 2019

Signature [Signature]

LEED for Homes Accountability Form



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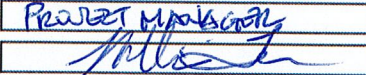
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Home Address: <i>East 3rd Street and Moody Avenue</i> Builder: <i>Mike Lawson - Marcon</i>	Return to: <i>Colin Garratt, Kane Consulting</i> <i>#408 - 535 Thurlow Street, Vancouver, BC, V6E 3L2</i> <i>colin@kane-consulting.ca</i>

Areas of Accountability

EQ 4.1 Basic Outdoor Air Ventilation: Design and install a whole-unit ventilation system in each unit that complies with ASHRAE Std. 62.2-2007. Design and install ventilation system to serve spaces outside the dwelling units that satisfies ASHRAE Std. 62.1-2007, Sections 4 through 7.	Rocky Point	<i>REVIEWING FINAL AIR BALANCE REPORT.</i>
EQ 5.1 Basic Local Exhaust: All of the following requirements met in every unit: a) Local exhaust systems designed and installed in all in-unit bathrooms (including half-baths) and the kitchen to meet the req'ts of Section 5 of ASHRAE Standard 62.2. b) Fans and ducts designed and installed to meet the requirements of Section 7 of ASHRAE Standard 62.2. c) Exhaust air is sent to the outdoors (i.e. not to attics or interstitial spaces) d) All single-port bathroom exhaust fans are ENERGY STAR labeled. e) Local exhaust systems designed and installed in common bathrooms (including half-baths) and common kitchens to meet the req'ts of Section 5 of ASHRAE Standard 62.1.	Rocky Point	
EQ 6.1 Room by Room Load Calculations: Design calculations were completed for each unit (using ACCA Manuals J and D, the ASHRAE Handbook of Fundamentals, or an equivalent computation procedure) and ducts were installed accordingly.	Rocky Point	

Accountability Sign-off (to be completed by party responsible for the prerequisites and credits above)

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Printed Name *Wilkin Tan*
 Project Role / Title *Project Manager*
 Signature 

Company *Rocky Point Environmental*
 Date *OCT 03, 2019*

Durability Inspection Checklist Template

(for prerequisite ID 2.1 & 2.2 and credit ID 2.3)

Builder Name:	Marcon
Project Team Leader:	Tyler Thorne, Qualex-Landmark
Home Address:	700 E.3rd Ave, North Vancouver,

For each section below, list durability strategies used to help mitigate the durability risks. Where necessary, add additional rows or remove strategies that are not relevant. Refer to the Example Durability Strategies page for sample strategies that may be applicable.

The project team must indicate where the strategy is included in the drawings, specification, or scopes of work, and the responsible project team member must sign-off that the durability strategies were incorporated into the home.

For ID 2.3, the Green Rater must initial that the strategies were verified in the home. A minimum of 18 total strategies, not including those already included as LEED for Homes prerequisites, must be included and verified for the credit to be awarded. These strategies should be focused on medium or high-risk areas.

Durability Strategies by Issue Type	Location in Drawings, Specs, and/or Scopes of Work	Sign-off by Responsible Party (initial below)	
		Prerequisite ID 2.2 (Builder/trade)	Credit ID 2.3 (Green Rater)
Exterior Water / Moisture			
Foundations			
waterproof membrane applied to all foundation walls	A11.01	<i>AT</i>	
waterstop applied to all concrete joints below grade	A9.07, A9.08	<i>AT</i>	
slab membranes turn down the face of all foundation walls to past the wall to slab cold joint	A9.07, A9.08, A9.09	<i>AT</i>	
10 mil poly installed under all slab on grades with taped joints	A11.01	<i>AT</i>	
drain tile installed around the perimeter of all foundation walls	A9.07	<i>AT</i>	
drain mat installed to all foundation walls	A11.01	<i>AT</i>	
trench drain provided at the parkade entrance	A9.09, A2.03-1	<i>AT</i>	
tie back anchors to be recessed to eliminate penetrations of the foundation waterproofing	1-A9.07	<i>AT</i>	
Walls			
mock ups to be done for window installation and key siding elements	Windows - A12.01, A12.02, A12.03, A-9.17	<i>AT</i>	
building moisture barrier to be installed with all penetrations sealed	A9.03, A-9.17	<i>AT</i>	
all penetrations to be sealed on all 4 sides	A9.03, A-9.17	<i>AT</i>	
exhaust vents to be located so that hot moist air does not rise up and damage structure. Poly to be installed at ducts located under overhangs	A9.06, A9.15	<i>AT</i>	
engineered, stamped shop drawings to be provided for all windows and doors <i>ONLY EXTERIOR ELEMENTS ENGINEERED</i>	Windows - A12.01, A12.02, A12.03, Doors - A10.01, A-10.02	<i>AT</i>	

on site water testing to B3 level be done on the windows	A12.01, A12.02, A12.03	✓	
all siding to be installed with a rainscreen cavity behind it. Rainscreen materials to be CCA treated plywood	A11.01	✓	
flashings will be provide above all windows, doors and exhaust vents	A9.03	✓	
continuous poly vapour barrier to be installed with all penetrations sealed	A11.01, A9.03	✓	
continuous air barrier provided on the interior by a combination of the poly and 2lb spray foam at joist ends	A9.06, A9.10, A9.11, A9.12, A9.15	✓	
all joints between siding, windows and other material to be caulked with polyurethane caulking	A9.03	✓	
all block walls to be clad with siding to prevent moisture ingress	A11.01		
Balconies			
all balconies slope to drain	A9.06, A9.15, A11.01	✓	
balconies over living space have good quality 2 Ply SBS membranes with a paver walking surface	A9.05, A9.10, A9.11, A9.12, A11.01,	✓	
balconies over exterior space have 60 mil urethane or vinyl deck membranes	A11.01	✓	
steps provided at all balcony doors (ADAPTABLE SUITES HAVE BACKDRAIN)	all units except adaptable units with flush thresholds	✓	
balcony railings are side mounted to fascia to avoid penetrations of the deck membrane	A9.15	✓	
Roofs			
all roofs to have a 2% slope to drain	A3.05-1, A3.05-2, A3.05-3, A11.01	✓	
good quality 2 ply SBS roofing membranes will be installed to RCABC specifications	A11.01	✓	
roofing membranes turn up walls min 8"	A9.02, A9.04, A9.10, A9.11, A9.12	✓	
paver surfaces to all accessible roofs and decks	A9.05, A9.10, A9.11, A9.12, A11.01	✓	
all plumbing, vents extend at least 8" above roofing membranes	A9.01, A9.14	✓	
insualtion will be installed on top of the roof with the membrane on top	Building 2 only - A11.01 ✓	✓	

Interior Water / Moisture

LEED for Homes Prerequisites (remove if not applicable)

Nonpaper-faced backer board used in all tubs, showers, and spa areas. (see ID 2.1)	A9.02, A11.01		
Water-resistant flooring in the kitchen, bathroom, laundry rooms, and spa areas. (see ID 2.1)	no carpet see - See ID-33		
Water-resistant flooring within 3 feet of all exterior doors. (see ID 2.1)	no carpet see - (lobby/suite/th/exterior entrance) See ID-2		
Drain and drain pan installed for any tank water heaters in or over living spaces. (see ID 2.1)	not applicable	N/A	
Drain and drain pan OR single-throw supply valve installed for any clothes washers in or over living spaces. (see ID 2.1)	See M-8.02 detail 10 and M-9.02, Plumbing Fixture Schedule, Symbol LB-1.		
Conventional clothes dryers exhausted directly to outdoors; Condensing clothes dryer has drain and drain pan. (see ID 2.1)	Clothes dryers are exhausted directly to outdoors. See mechanical series of floor plan drawings M-3.05-*, M-3.06-*, M-3.07-*, M-3.08-, and M-3.09-*		
Whole house ventilation and local kitchen and bathroom exhaust systems that comply with ASHRAE Std. 62.2 (see EQ 4.1 / 5.1)	See mechanical series of floor plan drawings M-2.04-*, M-3.05-*, M-3.06-*, M-3.07-*, M-3.08-* and M-3.09-*. Also see M-9.01 equipment schedules.		

Air Infiltration

LEED for Homes Prerequisites (remove if not applicable)

Thermal bypass inspection checklist passed (see EA 1.1 / 2.1)	inspection by green rater		
Continuous air/weather barrier with lapped and taped seams	A-9.03 for window and door openings in walls. All floor to exterior wall connections sealed with spray foam.		
All penetrations in exterior wall sealed	A-9.03		
Ventilation ductwork to be sealed	A-9.06, A-9.14, A-9.15		

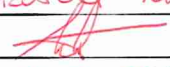
Interstitial Condensation

LEED for Homes Prerequisites (remove if not applicable)

All local exhaust systems vented directly to the outdoors. (see EQ 5.1)	See mechanical series of floor plan drawings M-2.04-*, M-3.05-*, M-3.06-*, M-3.07-*, M-3.08-* and M-3.09-*. Also see M-9.01 equipment schedules.		
Interstitial spaces are never used to supply or return forced air. (see EA 5.1)	Interstitial space is not used.		

Duct leakage to the outdoors limited to 6 cfm / 100 sq.ft. (see EA 1.1 / 5.1)	See specification section 23 31 13. Air leakage test to be performed by contractor.	SEE E3 RESULTS.	
Pests			
bug screens installed to all rainscreen cavities	All parapet and rainscreen details (A-9.02, A-9.03, A-9.06, A-9.10 - A-9.13)	✓	
metal or pvc bug screens installed at all ground floor rain screen locations	A-9.04, A-9.11, A-9.12, A-9.16	✓	
Heat Loss			
LEED for Homes Prerequisites (remove if not applicable)			
insulation walls	R-24 see A-11.01	✓	
insulation roof	R-38 see A-11.01	✓	
window - vinyl	U-0.29 or better (0.250, 0.244, 0.257, 0.248) see Starline Windows submittal	✓	
windows - alum	U-0.4 see DBH Glass and Aluminum Ltd submittal	✓	
Ultraviolet Radiation			
Low Emissivity Glass	SHGC 0.31	✓	
Natural Disasters			
Structural feature addressing earthquake risk	S-4B, S-4C, S-4D	✓	
Seismic restraints for all equipment, ductwork and piping including boilers and hot water storage tanks	See specification section 23 05 49.	✓	
Other			
LEED for Homes Prerequisites (remove if not applicable)			
Refrigerant charge test conducted. (see EA 11.1)	test by mechanical contractor	✓	

* WILL FORWARD WHEN COMPLETED

Builder Declaration for ID prerequisite 2.1 & 2.2							
<p>I hereby declare and affirm to USGBC that I have evaluated this project's durability risks, completed the Durability Risk Evaluation Form, and incorporated appropriate durability measures into the design to adequately address the moderate and high risks. The construction drawings and/or specifications have been updated accordingly, and the the measures were verified to be completed appropriately.</p>				Name:		MIKE LAUSON	
				Title:		PROJECT MANAGER	
				Signature:			
				Date:		JUNE 25th, 2019	
Green Rater Declaration for ID credit 2.3							
<p>I hereby declare and affirm to USGBC that all of the above durability measures were verified as having been installed and/or incorporated into the home and home site. This signature is not an endorsement of the choice of durability measures or strategies installed, nor is it a validation of the quality or workmanship of the construction or installation.</p>				Name:			
				Title:			
				Signature:			
				Date:			