

Agenda Supplement

June 14, 2023
HDC Meeting

Applicant Submitted Information

7. 501 N Poplar Street (PID: 07803623)

HDCRMA-2022-00775

Fourth Ward

Ryan Baird, Applicant

Information Submitted by the Public

NEW CONSTRUCTION/ADDITION, NON-RESIDENTIAL

16. 1921 Charlotte Dr (PID: 12111901)

HDCCMA-2023-00115

Dilworth

Erica Kennedy, Applicant

7. 501 N Poplar Street (PID: 07803623)
HDCRMA-[2022-00775](#)
Fourth Ward
Ryan Baird, Applicant

Submission and Materials Summary							
Design Options							
Name	Option#1	Option#1 Approvable?	Option#2	Option#2 Approvable?	Option#3	Option#3 Approvable?	Approval Requested?
Roof Massing	Upper story less visible roofs to be hipped.		Upper story less visible low-slope roofs to be changed to shed-style roof to have more usable area.				Requested
Roof Materials	Turret and lower porch roof to be DaVinci black synthetic slate. Other roofs to be Tesla black metal roof.		Black asphalt shingles on visible portions, Tesla black metal roof on less visible portions (Option 2 roof mass).		Gray synthetic slate on visible portions, Tesla black metal roof on less visible portions (Option 2 roof mass).		Requested
Turret Height	Exceed the tallest point on the street by roughly 18".		Match tallest point on the street.				Requested
Glass and Shade Design Style	Clear LoE glass with electrochromic device inside		Clear LoE Glass Standard Windows, Removable, completely separate from the main window unit (such as a plantation shutter interior structure) glass on the Interior that has the Electrochromic Device (Shade).		Clear LoE Glass. Automatic Multi-Layer Shade on the Inside		Requested
Rear and Side Elevation Window Sizing	Window style differs for shorter windows per the context		Some shorter double hung windows are used per the context.		(Not visually shown nor desired) All double hung windows to have verticality, yet Interior is blocked out by walls.		Requested
Exterior Materials							
Name	Option#1	Option#1 Approvable?	Option#2	Option#2 Approvable?	Option#3	Option#3 Approvable?	Approval Requested?
Lap Siding	Artisan Lap Siding by James Hardie cementitious siding- 6" exposed face. Siding dimensions are 7 1/4"x 5/8" (Previously Approved)		Traditional wood lap siding with 6" exposed face				Requested
Smooth Siding	Panel Series by James Hardie cementitious siding - Sheet good product 4'x10'x 5/16"		3/8" Plywood sheathing				Requested
Composite Trim	Flat cementitious made to stand proud		Wood				Requested
Solar Roofing with and without Solar	Tesla black metal roof		-				Requested
Roofing	Black synthetic slate (DaVinci)		Black asphalt shingle (Owens Corning, Supreme Shingle, Onyx Black)		Gray synthetic slate (DaVinci)		Requested
Window Glazing - Glass Panes	Clear LoE translucent glass with electrochromic device inside (Viracon with Halio, Glazier to build into the window structure)		Clear LoE glass (Guardian 62/27)		Clear LoE glass (Such as Jeld-Wen SunResist)		Requested
Window Structure	Jeld-Wen Siteline Clad-Wood Windows		Wood				Not Requested
Porch Columns	Solid wood - turned 5x5 column, height varies from first and second floor - see section and details for specific dimensions.						Not Requested
Porch Railings - Top Rail	Solid wood - milled 2"x4" railing cap with rounded top						Not Requested

Porch Railings - Spindle	Solid wood - turned 2 1/2"x2 1/2" picket						Not Requested
Porch Railings - Bottom Rail	Solid wood - turned 2 1/2"x2 1/2" picket						Not Requested
Porch Flooring	Wood		Composite, Tongue and Groove, Whitewash Finish				Not Requested
Front Door Exterior Material	Mahogany (Engineered door type)		Mahogany				Not Requested
Back Doors and Upper Doors (Less Visible)	Wood						Not Requested
Door Lite	Standard Door Lite		-				Not Requested
Mosquito Net Style	Fabric		Traditional material				Not Requested
Bathroom Window Inside Pane Material	Clear LoE glass, frosted coating applied inside afterwards.		Exterior clear LoE glass, interior removable privacy glass.		Clear LoE glass		Not Requested
Upper Deck Railings - Top Rail	Solid wood - milled 2 1/2"x2 1/2" railing cap with rounded top		Flat composite with flat straight spindles				Not Requested
Upper Deck Railings - Spindle	Solid wood - turned 1 1/2"x1 1/2" picket		Flat composite with flat straight spindles				Not Requested
Trim Details							
Name	Option#1	Option#1 Approvable?	Option#2	Option#2 Approvable?	Option#3	Option#3 Approvable?	Approval Requested?
Corner Boards	Trim Board Series by James Hardie cementitious trim- 6"x5/4" (true dimension 1"x5 1/2")and 8"x5/4" (true dimension 1"x7 1/4")used in project and noted on elevations and details for specific locations.		Traditional wood 6"x5/4" (true dimension 1"x5 1/2") and 8"x5/4" (true dimension 1"x7 1/4")				Not Requested
Frieze	Trim Board Series by James Hardie cementitious trim- 5/4" (true thickness 1") board widths vary, see elevations and details		Traditional wood trim - 5/4" (true thickness 1") board widths vary, see elevations and details				Not Requested
Fascia	Trim Board Series by James Hardie cementitious trim- 1" (true thickness 3/4") board widths vary, see elevations and details		Traditional wood trim - 1" (true thickness 3/4") board widths vary, see elevations and details				Not Requested
Band Trim	Trim Board Series by James Hardie cementitious trim- 5/4"x10" (true dimension 1"x9 1/4")		Traditional wood trim - 5/4"x10" (true dimension 1"x9 1/4")				Not Requested
Trim - Porch Beam	Trim Board Series by James Hardie cementitious trim- 1x10 (true dimension 3/4"x9 1/4") for exterior side of porch beam at both levels. Interior trim of porch beams vary for 1st and 2nd floor of porch - see wall sections for dimensions.		Traditional wood trim - 1" (true thickness 3/4") board widths vary, see elevations and details				Not Requested

Window Trim	Trim Board Series by James Hardie cementitious trim- various board widths and thicknesses used, see window trim details for specific dimensions.		Traditional wood trim - various board widths and thicknesses used, see window trim details for specific dimensions.					Not Requested
Window - Crown Molding	Wood crown molding - 2 1/2"							Not Requested
Door Trim	Trim Board Series by James Hardie cementitious trim- various board widths and thicknesses used, see door trim details for specific dimensions.		Traditional wood trim - various board widths and thicknesses used, see door trim details for specific dimensions.					Not Requested
Cornices - Trim Boards	Trim Board Series by James Hardie cementitious trim- 5/4" (true thickness 1") and 1" (true thickness 3/4") boards used and vary in width, please see details for exact board widths.		Traditional wood trim - 5/4" (true thickness 1") and 1" (true thickness 3/4") boards and widths vary - see details for board widths.					Not Requested
Door - Crown Molding	Wood crown molding - 4 1/2"							Not Requested
Door - Base Cap Molding	Wood crown molding - 1 1/4"							Not Requested
Cornices - Crown Molding	Wood crown molding - sizes vary see details for dimensions							Not Requested
Soffit	Soffit Panel Series by James Hardie -smooth vented cementitious soffit- sheet good product size 2'x8'x 1/4"		1/4" Plywood sheathing					Not Requested
Brackets, Types A-D	3/8" Plywood sheathing		Flat Cementitious Material					Not Requested
Brackets, Types E-G	Solid wood - Dimensions vary per type, thicknesses range from 3" to 2" - see bracket details for all dimensions.		Flat Cementitious Material					Not Requested
Landscaping								
Name	Option#1	Option#1 Approvable?	Option#2	Option#2 Approvable?	Option#3	Option#3 Approvable?	Option#3 Approvable?	Approval Requested?
Fencing	Wood							Not Requested
Walkway Brick Color 1	Red brick		-					Not Requested
Walkway Brick Color 2	Red brick		Dark gray brick paver similar to context					Not Requested
Driveway Brick Color 1	Red brick paver		-					Not Requested
Driveway Brick Color 2	Lighter gray brick paver		Red brick paver					Not Requested
Garden-Gate Entry	Wood							Not Requested
Foundation & Retaining Walls	Traditional Red Brick/typical modular brick size 2 1/4" H x 3 1/2" W x 7 5/8" L							Not Requested



VIDEO: REGULAR DAY (IMAGE ABOVE IS THE LINK)



VIDEO: SUNNY DAY (IMAGE ABOVE IS THE LINK)

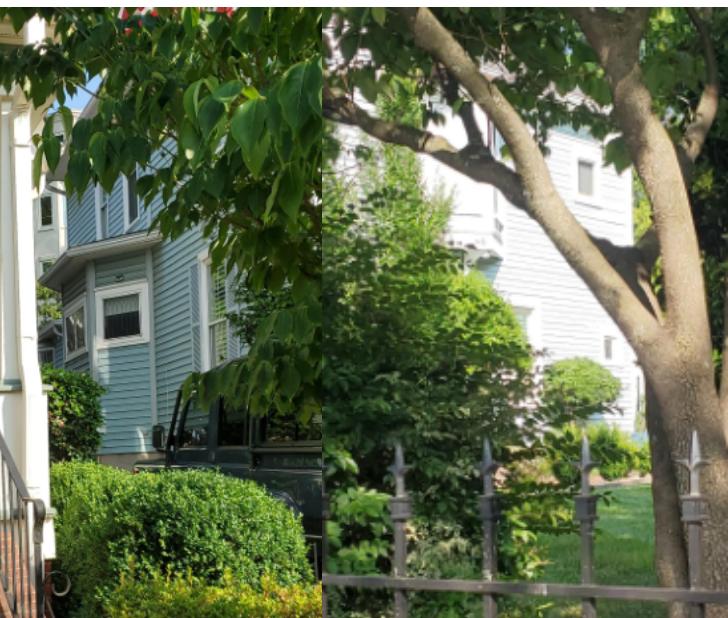


Halio Viracon glass with EC shade device.

VNE-63 LoE glass, clear and similar to the guardian shown. (almost achieving the minimum energy star performance to show the maximum clarity)



Double Hung Window Size Context - 529 N Poplar St



Window Size Context - 412 N Poplar St



Double Hung Window Size Context - 326 W 8th St



Clear LoE Glass Context - 333 W 9th St



Clear LoE Glass Context - 428 N Poplar St



Clear LoE Glass Context - 428 N Poplar St



Clear LoE Glass, Reflectivity Context - 315 W 9th St



artisan

Siding | Trim™

TECHNICAL DATA SHEET**Artisan® Lap Siding**

All national, state, and local building code requirements must be followed and where they are more stringent than the Artisan® Lap Siding installation requirements, state and local requirements will take precedence.

Document Scope

This document applies to Artisan® Lap Siding: smooth and textured. Textures include Woodgrain and Beaded Smooth Lap Siding. The use of these products are limited to buildings not exceeding 85 feet in height.

General Description

Artisan Lap Siding is a noncombustible fiber-cement siding, manufactured by James Hardie Building Products.

Product Dimension

Thickness – 5/8 inch Length – 12 feet Width – 5 $\frac{1}{4}$, 7 $\frac{1}{4}$, or 8 $\frac{1}{4}$ inches

Product Composition

Artisan Lap Siding is a Grade II, Type A, fiber-cement flat sheet as defined by ASTM C 1186. The siding is manufactured by the Hatschek process and cured by high pressure steam autoclaving.

Code Compliance

Artisan lap siding fiber-cement complies with:

- The 2006, 2009, 2012, and 2015 International Building Code® (IBC) Section 1404.10 and 2006, 2009, 2012, and 2015 International Residential Code® (IRC) Table R703.4 and Section R703.10.1 as ASTM C 1186 Grade II, Type A (ISO 8336, Category A, Class 2) Fiber Cement.

Wind Design:

- Design Table 2 as shown in this report provides allowable capacity in mph for transverse load conditions for Artisan lap siding attached to either wood or metal framing, tested in accordance to ASTM E 330.
- Wood framing and furring shall have a s.g. of 0.42 or greater unless otherwise stated.
- Metal framing and furring shall be a minimum of 20 gauge structural (33 mil) to a maximum of 16 gauge (54 mil).

Fire Characteristics:

- Artisan Lap Siding is classified as noncombustible when tested in accordance with ASTM E136.
- Artisan Lap Siding may be used in ASTM E119 fire resistance rated assemblies as listed by Warnock Hersey (for more information, contact James Hardie at 1-888 J-HARDIE (1-888 542-7343) or info@JamesHardie.com): 60 minute design JH/FCS 60-01, JH/FCS 60-02, and JH/FCS 60-04.
- Artisan Lap Siding are Class A material according to 2006, 2009, 2012, and 2015 IBC Section 803.1.1. Surface burning characteristics in accordance with ASTM E 8 4: Flame Spread Index = 0 and Smoke Developed Index \leq 5.
- The building official reserves the right to approve alternate materials, design and methods of construction based on research reports and/or tests based on 2006, 2009, 2012, and 2015 IBC Section 104.11, 2006, 2009, 2012, and 2015 IRC Section R104.11.
- Test reports can be furnished to the building official upon request, contact your local James Hardie sales representative.

Installation Requirements

- Artisan Lap Siding shall be installed on exterior walls braced in accordance with the applicable building code.
- A water-resistive barrier complying with Section 1403.2 of the IBC or Section R703.2 of the IRC is required to be installed.
- Install Artisan lap siding in accordance with this report and the James Hardie's published installation requirements. For a copy contact your local James Hardie sales representative or visit www.ArtisanLuxury.com or www.JamesHardie.com.

Table 1. Artisan® Lap Siding ASTM C 1186 Physical Properties and Supplementary Requirements

Warnock Hersey
AUTHORIZATION TO
MARK



Intertek
LISTED

Client # 8518,
17832

Intertek

	ASTM Test Method	General Property	Unit or Characteristic	Requirement	Result
Physical Attributes	ASTM C1185	Dimensional Tolerances	Length	$\pm 0.5\%$ or $\pm 1/4$ in	
			Width	$\pm 0.5\%$ or $\pm 1/4$ in	
			Thickness	± 0.04 in	
			Squareness	$<1/32$ in/ft of length	
			Edge Straightness	$<1/32$ in/ft of length	
Durability	ASTM C1185	Density, lb/ft ³		As reported	<75
	ASTM C1185	Water Tightness	Physical Observations	No drop formation	Pass
	ASTM C1185	Flexural Strength	Wet conditioned, psi	>1015 psi	
			Equilibrium conditioned, psi	>1450 psi	
Fire Characteristics	ASTM C1185	Warm Water Resistance, Observations	Physical Observations	No visible cracks or structural alteration	Pass
	ASTM C1185	Heat/Rain Resistance	Physical Observations	No visible cracks or structural alteration	Pass
	ASTM C1185	Freeze/Thaw Resistance	Physical Observations	No visible cracks or structural alteration	
			Mass Loss, % Freeze/Thaw, % strength retention	$\leq 3.0\%$ $\geq 80\%$	
	ASTM G23	UV Accelerated Weathering Test	Physical Observations	No cracking, checking, or crazing	Pass
	ASTM E84	Surface Burning Characteristics	Flame Spread Index (FSI)		0
			Smoke Developed Index (SDI)		≤ 5
			Fuel Contributed		0
	NFPA Class	Uniform Building Code Class			
			International Building Code® class	As reported	A 1 A
	ASTM E136	Noncombustibility	Noncombustible		Pass

HDC Standard 6.18, #4

- While wood is the first choice for elements such as trim, porch elements, and other decorative features, substitute materials may be considered for trim details on new construction.



Artisan® Lap Siding

All national, state, and local building code requirements must be followed and where they are more stringent than the Artisan® Lap Siding installation requirements, state and local requirements will take precedence.

Table 2, Wind Design Table

Allowable Wind Speed (mph) for Artisan Lap Siding (Analytical Method in ASCE 7-10 Chapter 30 C&C Part 1 and Part 3)⁶

Product	Product Thickness (in.)	Width (in.)	Fastener Type	Fastener Spacing	Frame Type	Stud Spacing (in.)	Allowable Design Load (psf)	Building Height ^{2,5} (ft.)	2015 & 2012 IBC 2015 IRC (Ultimate Design Wind Speed, V_{ult}^3)			2012 IRC 2009, 2006 IBC & IRC ⁷ (Basic Wind Speed, V_{asd}^4)		
									Wind exposure category			Wind exposure category		
									B	C	D	B	C	D
Artisan® Lap Siding	5/8	5-1/4	0.092" shank x 0.225" HD x 2-1/4" long galvanized siding nail	Blind Nailed	2x4 wood ⁸	16	81.7	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	238	216	196	184	167	152
									238	210	191	184	162	148
									238	205	188	184	159	146
									238	201	185	184	156	143
									233	198	182	180	153	141
									228	195	180	177	151	140
									225	193	178	174	149	138
									221	191	177	171	148	137
									218	189	175	169	146	136
									216	187	174	167	145	135
									191	166	154	148	128	119
									188	164	154	146	127	119
									186	163	152	144	126	118
									184	162	151	143	125	117
									183	161	151	142	124	117
Artisan® Lap Siding	5/8	5-1/4	0.092" shank x 0.225" HD x 2-1/4" long galvanized siding nail	Blind Nailed	2x4 wood ⁸	24	41.7	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	170	154	140	132	119	109
									170	150	137	132	116	106
									170	147	134	132	114	104
									170	144	132	132	111	102
									166	141	130	129	110	101
									163	139	129	126	108	100
									160	138	127	124	107	99
									158	136	126	122	105	98
									156	135	125	121	105	97
									154	134	124	119	104	96
									136	118	110	105	92	85
									135	117	110	104	91	85
									133	116	109	103	90	84
									132	115	108	102	89	84
									131	115	108	101	89	83
Artisan® Lap Siding	5/8	5-1/4	No. 8 - 18 x 0.323" HD x 1-5/8" long ribbed bugle head screw ¹	Blind Screwed	Min. No. 20 ga x 3.62" x 1.375" Metal C-stud	16	78.7	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	233	212	192	181	164	149
									233	206	188	181	159	146
									233	201	185	181	156	143
									233	197	181	181	153	140
									229	194	179	177	151	139
									224	192	177	174	148	137
									220	189	175	171	147	136
									217	187	173	168	145	134
									214	185	172	166	144	133
									212	184	171	164	142	132
									187	163	151	145	126	117
									185	161	151	143	125	117
									183	160	150	142	124	116
									181	159	149	140	123	115
									179	158	148	139	122	115

Artisan® Lap Siding

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Table 2, Wind Design Table (continued)

Allowable Wind Speed (mph) for Artisan Lap Siding (Analytical Method in ASCE 7-10 Chapter 30 C&C Part 1 and Part 3)⁶

Product	Product Thickness (in.)	Width (in.)	Fastener Type	Fastener Spacing	Frame Type	Stud Spacing (in.)	Allowable Design Load (psf)	Building Height ^{2,5} (ft.)	2015 & 2012 IBC 2015 IRC (Ultimate Design Wind Speed, V_{ult}^3)			2012 IRC 2009, 2006 IBC & IRC ⁷ (Basic Wind Speed, V_{asd}^4)		
									B	C	D	B	C	D
Artisan® Lap Siding	5/8	5-1/4	No. 8 - 18 x 0.323" HD x 1-5/8" long ribbed bugle head screw ¹	Blind Screwed	Min. No. 20 ga x 3.62" x 1.375" Metal C-stud	24	77.7	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	232	211	191	180	163	148
									232	205	187	180	158	145
									232	200	183	180	155	142
									232	196	180	180	152	140
									227	193	178	176	150	138
									223	190	176	172	147	136
									219	188	174	170	146	135
									216	186	172	167	144	133
									213	184	171	165	143	132
									211	183	170	163	141	131
									186	162	150	144	125	116
									184	160	150	142	124	116
									182	159	149	141	123	115
									180	158	148	139	122	114
									178	157	147	138	121	114
Artisan® Lap Siding	5/8	5-1/4	0.100" shank x 1.5" long x 0.313" HD ET&F pin ⁹	Blind Nailed at each stud	Min. No. 20 ga. x 3.62" x 1.375" Metal C-Stud	16	80.8	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	237	215	195	183	166	151
									237	209	190	183	162	147
									237	204	187	183	158	145
									237	200	184	183	155	142
									232	197	181	179	153	141
									227	194	179	176	150	139
									223	192	177	173	149	137
									220	190	176	170	147	136
									217	188	174	168	145	135
									215	186	173	166	144	134
									190	165	153	147	128	119
									187	163	153	145	127	118
									185	162	152	144	126	117
									183	161	150	142	124	117
									182	160	150	141	124	116
Artisan® Lap Siding	5/8	5-1/4	0.100" shank x 1.5" long x 0.313" HD ET&F pin ⁹	Blind Nailed at each stud	Min. No. 20 ga. x 3.62" x 1.375" Metal C-Stud	24	62.8	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	209	189	172	162	147	133
									209	184	168	162	142	130
									209	180	165	162	139	128
									209	176	162	162	137	125
									204	174	160	158	134	124
									200	171	158	155	133	122
									197	169	156	153	131	121
									194	167	155	150	129	120
									192	166	154	148	128	119
									189	164	152	147	127	118
									167	145	135	129	113	105
									165	144	135	128	112	104
									163	143	134	127	111	104
									162	142	133	125	110	103
									160	141	132	124	109	102



Artisan® Lap Siding

All national, state, and local building code requirements must be followed and where they are more stringent than the Artisan® Lap Siding installation requirements, state and local requirements will take precedence.

Table 2, Wind Design Table (continued)

Allowable Wind Speed (mph) for Artisan Lap Siding (Analytical Method in ASCE 7-10 Chapter 30 C&C Part 1 and Part 3)⁶

Product	Product Thickness (in.)	Width (in.)	Fastener Type	Fastener Spacing	Frame Type	Stud Spacing (in.)	Allowable Design Load (psf)	Building Height ^{2,5} (ft.)	2015 & 2012 IBC 2015 IRC (Ultimate Design Wind Speed, V_{ult}^3)			2012 IRC 2009, 2006 IBC & IRC ⁷ (Basic Wind Speed, V_{asd}^4)			
									Wind exposure category			Wind exposure category			
									B	C	D	B	C	D	
Artisan® Lap Siding	5/8	5-1/4	(Special Fastening Detail A) Blind nail: 0.092" shank x 0.225" HD x 2-1/2" long galvanized siding nail Face nail: No. 16 ga 2-1/2" long finish nail	2x4 wood (SPF)	16	100.0	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	263 263 263 263 258 253 249 245 242 239 211 208 206 204 202	239 232 227 222 219 216 213 211 209 207 183 182 180 179 178	217 212 208 204 202 199 197 195 194 192 171 170 169 167 167	204 204 204 204 200 196 192 189 187 185 163 161 160 158 157	185 180 176 172 170 167 165 163 162 160 142 141 140 138 138	168 164 161 158 156 154 153 151 150 149 132 132 131 130 129		
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	263 263 263 263 258 253 249 245 242 239 211 208 206 204 202	239 232 227 222 219 216 213 211 209 207 183 182 180 179 178	217 212 208 204 202 199 197 195 194 192 171 170 169 167 167	204 204 204 204 200 196 192 189 187 185 163 161 160 158 157	185 180 176 172 170 167 165 163 162 160 142 141 140 138 138	168 164 161 158 156 154 153 151 150 149 132 132 131 130 129
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	263 263 263 263 258 253 249 245 242 239 211 208 206 204 202	239 232 227 222 219 216 213 211 209 207 183 182 180 179 178	217 212 208 204 202 199 197 195 194 192 171 170 169 167 167	204 204 204 204 200 196 192 189 187 185 163 161 160 158 157	185 180 176 172 170 167 165 163 162 160 142 141 140 138 138	168 164 161 158 156 154 153 151 150 149 132 132 131 130 129
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	263 263 263 263 258 253 249 245 242 239 211 208 206 204 202	239 232 227 222 219 216 213 211 209 207 183 182 180 179 178	217 212 208 204 202 199 197 195 194 192 171 170 169 167 167	204 204 204 204 200 196 192 189 187 185 163 161 160 158 157	185 180 176 172 170 167 165 163 162 160 142 141 140 138 138	168 164 161 158 156 154 153 151 150 149 132 132 131 130 129
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	263 263 263 263 258 253 249 245 242 239 211 208 206 204 202	239 232 227 222 219 216 213 211 209 207 183 182 180 179 178	217 212 208 204 202 199 197 195 194 192 171 170 169 167 167	204 204 204 204 200 196 192 189 187 185 163 161 160 158 157	185 180 176 172 170 167 165 163 162 160 142 141 140 138 138	168 164 161 158 156 154 153 151 150 149 132 132 131 130 129
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	263 263 263 263 258 253 249 245 242 239 211 208 206 204 202	239 232 227 222 219 216 213 211 209 207 183 182 180 179 178	217 212 208 204 202 199 197 195 194 192 171 170 169 167 167	204 204 204 204 200 196 192 189 187 185 163 161 160 158 157	185 180 176 172 170 167 165 163 162 160 142 141 140 138 138	168 164 161 158 156 154 153 151 150 149 132 132 131 130 129
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	263 263 263 263 258 253 249 245 242 239 211 208 206 204 202	239 232 227 222 219 216 213 211 209 207 183 182 180 179 178	217 212 208 204 202 199 197 195 194 192 171 170 169 167 167	204 204 204 204 200 196 192 189 187 185 163 161 160 158 157	185 180 176 172 170 167 165 163 162 160 142 141 140 138 138	168 164 161 158 156 154 153 151 150 149 132 132 131 130 129
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									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	263 263 263 263 258 253 249 245 242 239 211 208 206 204 202	239 232 227 222 219 216 213 211 209 207 183 182 180 179 178	217 212 208 204 202 199 197 195 194 192 171 170 169 167 167	204 204 204 204 200 196 192 189 187 185 163 161 160 158 157	185 180 176 172 170 167 165 163 162 160 142 141 140 138 138	168 164 161 158 156 154 153 151 150 149 132 132 131 130 129
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	263 263 263 263 258 253 249 245 242 239 211 208 206 204 202	239 232 227 222 219 216 213 211 209 207 183 182 180 179 178	217 212 208 204 202 199 197 195 194 192 171 170 169 167 167	204 204 204 204 200 196 192 189 187 185 163 161 160 158 157	185 180 176 172 170 167 165 163 162 160 142 141 140 138 138	168 164 161 158 156 154 153 151 150 149 132 132 131 130 129
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	263 263 263 263 258 253 249 245 242 239 211 208 206 204 202	239 232 227 222 219 216 213 211 209 207 183 182 180 179 178	217 212 208 204 202 199 197 195 194 192 171 170 169 167 167	204 204 204 204 200 196 192 189 187 185 163 161 160 158 157	185 180 176 172 170 167 165 163 162 160 142 141 140 138 138	168 164 161 158 156 154 153 151 150 149 132 132 131 130 129
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	263 263 263 263 258 253 249 245 242 239 211 208 206 204 202	239 232 227 222 219 216 213 211 209 207 183 182 180 179 178	217 212 208 204 202 199 197 195 194 192 171 170 169 167 167	204 204 204 204 200 196 192 189 187 185 163 161 160 158 157	185 180 176 172 170 167 165 163 162 160 142 141 140 138 138	168 164 161 158 156 154 153 151 150 149 132 132 131 130 129
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	263 263 263 263 258 253 249 245 242 239 211 208 206 204 202	239 232 227 222 219 216 213 211 209 207 183 182 180 179 178	217 212 208 204 202 199 197 195 194 192 171 170 169 167 167	204 204 204 204 200 196 192 189 187 185 163 161 160 158 157	185 180 176 172 170 167 165 163 162 160 142 141 140 138 138	168 164 161 158 156 154 153 151 150 149 132 132 131 130 129
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	263 263 263 263 258 253 249 245 242 239 211 208 206 204 202	239 232 227 222 219 216 213 211 209 207 183 182 180 179 178	217 212 208 204 202 199 197 195 194 192 171 170 169 167 167	204 204 204 204 200 196 192 189 187 185 163 161 160 158 157	185 180 176 172 170 167 165 163 162 160 142 141 140 138 138	168 164 161 158 156 154 153 151 150 149 132 132 131 130 129
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	263 263 263 263 258 253 249 245 242 239 211 208 206 204 202	239 232 227 222 219 216 213 211 209 207 183 182 180 179 178	217 212 208 204 202 199 197 195 194 192 171 170 169 167 167	204 204 204 204 200 196 192 189 187 185 163 161 160 158 157	185 180 176 172 170 167 165 163 162 160 142 141 140 138 138	168 164 161 158 1

Artisan® Lap Siding

All national, state, and local building code requirements must be followed and where they are more stringent than the Artisan® Lap Siding installation requirements, state and local requirements will take precedence.

Table 2, Wind Design Table (continued)

Allowable Wind Speed (mph) for Artisan Lap Siding (Analytical Method in ASCE 7-10 Chapter 30 C&C Part 1 and Part 3)⁶

Product	Product Thickness (in.)	Width (in.)	Fastener Type	Fastener Spacing	Frame Type	Stud Spacing (in.)	Allowable Design Load (psf)	Building Height ^{2,5} (ft.)	2015 & 2012 IBC 2015 IRC (Ultimate Design Wind Speed, V_{ult}^3)			2012 IRC 2009, 2006 IBC & IRC ⁷ (Basic Wind Speed, V_{asd}^4)		
									B	C	D	B	C	D
Artisan® Lap Siding	5/8	7-14	0.092" shank x 0.225" HD x 2-1/4" long galvanized siding nail	Blind-Nailed at each stud location	2x4 wood ⁸	24	23.7	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	128	116	106	99	90	82
									128	113	103	99	88	80
									128	111	101	99	86	78
									128	108	100	99	84	77
									125	107	98	97	83	76
									123	105	97	95	81	75
									121	104	96	94	80	74
									119	103	95	92	80	74
									118	102	94	91	79	73
									116	101	94	90	78	73
									103	-	-	80	-	-
									101	-	-	79	-	-
									100	-	-	78	-	-
									-	-	-	-	-	-
									-	-	-	-	-	-
Artisan® Lap Siding	5/8	7-1/4	No. 8 - 18 x 0.323" HD x 1-5/8" long ribbed bugle head screw ¹	Blind Screwed	Min. No. 20 ga x 3.62" x 1.375" Metal C-stud	16	59.0	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	202	183	167	157	142	129
									202	178	163	157	138	126
									202	174	160	157	135	124
									202	171	157	157	132	122
									198	168	155	153	130	120
									194	166	153	150	128	119
									191	164	152	148	127	117
									188	162	150	146	125	116
									186	161	149	144	124	115
									183	159	148	142	123	114
									162	141	131	125	109	101
									160	140	131	124	108	101
									158	138	130	123	107	100
									157	137	129	121	106	100
									155	136	128	120	106	99
Artisan® Lap Siding	5/8	7-1/4	No. 8 - 18 x 0.323" HD x 1-5/8" long ribbed bugle head screw ¹	Blind Screwed	Min. No. 20 ga x 3.62" x 1.375" Metal C-stud	24	49.7	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	186	168	153	144	130	118
									186	164	149	144	127	116
									186	160	147	144	124	114
									186	157	144	144	121	112
									182	154	142	141	120	110
									178	152	141	138	118	109
									175	150	139	136	117	108
									172	149	138	134	115	107
									170	147	137	132	114	106
									168	146	136	130	113	105
									149	129	120	115	100	93
									147	128	120	114	99	93
									145	127	119	113	98	92
									144	126	118	111	98	91
									143	125	118	110	97	91



Artisan® Lap Siding

All national, state, and local building code requirements must be followed and where they are more stringent than the Artisan® Lap Siding installation requirements, state and local requirements will take precedence.

Table 2, Wind Design Table (continued)

Allowable Wind Speed (mph) for Artisan Lap Siding (Analytical Method in ASCE 7-10 Chapter 30 C&C Part 1 and Part 3)⁶

Product	Product Thickness (in.)	Width (in.)	Fastener Type	Fastener Spacing	Frame Type	Stud Spacing (in.)	Allowable Design Load (psf)	Building Height ^{2,5} (ft.)	2015 & 2012 IBC 2015 IRC (Ultimate Design Wind Speed, V_{ult}^3)			2012 IRC 2009, 2006 IBC & IRC ⁷ (Basic Wind Speed, V_{asd}^4)		
									B	C	D	B	C	D
Artisan® Lap Siding	5/8	7-1/4	0.100" shank x 1.5" long x 0.313" HD ET&F pin ⁹	Blind Nailed at each stud	Min. No. 20 ga. x 3.62" x 1.375" Metal C-Stud	16	56.6	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	198 198 198 198 194 190 187 184 182 180 159 157 155 153 152	180 175 171 167 165 162 161 159 157 156 138 137 136 135 134	163 159 157 154 152 150 148 147 146 145 128 127 126 125 124	153 153 153 153 150 147 145 143 141 139 123 121 120 119 118	139 135 132 130 128 126 124 123 122 121 99 99 106 105 104	126 123 121 119 118 116 115 114 113 112 99 99 98 98 97
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	181 181 181 181 177 173 171 168 166 164 145 143 141 140 139	164 159 156 153 150 148 146 145 143 142 126 125 124 123 122	149 145 143 140 139 137 134 130 128 127 117 116 115 108 107	140 140 140 140 137 134 132 130 128 127 112 111 110 108 107	127 123 121 118 116 115 113 112 111 110 97 96 95 94 93
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	181 181 181 181 177 173 171 168 166 164 145 143 141 140 139	153 150 148 145 143 142 140 138 136 132 117 116 115 108 107	140 140 140 140 137 134 132 130 128 127 112 111 110 108 107	118 116 115 114 113 112 111 110 109 108 97 96 95 94 93	
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	180 175 171 168 165 163 161 159 158 156 138 137 136 135 134	164 160 157 154 152 150 149 148 146 145 129 128 127 126 125	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	140 136 133 130 128 126 125 123 122 121 112 111 110 108 107
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	171 171 171 168 165 163 161 159 158 156 138 137 136 135 134	157 157 157 154 152 150 149 148 146 145 129 128 127 126 125	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	127 124 122 120 118 117 115 114 113 112 109 108 107 105 104
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	168 165 163 160 157 154 152 150 148 146 138 137 136 135 134	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	140 136 133 130 128 126 125 123 122 121 112 111 110 108 107	127 124 122 120 118 117 115 114 113 112 109 108 107 105 104
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	171 171 171 168 165 163 161 159 158 156 138 137 136 135 134	157 157 157 154 152 150 149 148 146 145 129 128 127 126 125	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	127 124 122 120 118 117 115 114 113 112 109 108 107 105 104
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	171 171 171 168 165 163 161 159 158 156 138 137 136 135 134	157 157 157 154 152 150 149 148 146 145 129 128 127 126 125	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	127 124 122 120 118 117 115 114 113 112 109 108 107 105 104
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	171 171 171 168 165 163 161 159 158 156 138 137 136 135 134	157 157 157 154 152 150 149 148 146 145 129 128 127 126 125	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	127 124 122 120 118 117 115 114 113 112 109 108 107 105 104
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	171 171 171 168 165 163 161 159 158 156 138 137 136 135 134	157 157 157 154 152 150 149 148 146 145 129 128 127 126 125	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	127 124 122 120 118 117 115 114 113 112 109 108 107 105 104
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	171 171 171 168 165 163 161 159 158 156 138 137 136 135 134	157 157 157 154 152 150 149 148 146 145 129 128 127 126 125	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	127 124 122 120 118 117 115 114 113 112 109 108 107 105 104
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	171 171 171 168 165 163 161 159 158 156 138 137 136 135 134	157 157 157 154 152 150 149 148 146 145 129 128 127 126 125	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	127 124 122 120 118 117 115 114 113 112 109 108 107 105 104
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	171 171 171 168 165 163 161 159 158 156 138 137 136 135 134	157 157 157 154 152 150 149 148 146 145 129 128 127 126 125	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	127 124 122 120 118 117 115 114 113 112 109 108 107 105 104
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	171 171 171 168 165 163 161 159 158 156 138 137 136 135 134	157 157 157 154 152 150 149 148 146 145 129 128 127 126 125	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	127 124 122 120 118 117 115 114 113 112 109 108 107 105 104
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	171 171 171 168 165 163 161 159 158 156 138 137 136 135 134	157 157 157 154 152 150 149 148 146 145 129 128 127 126 125	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	127 124 122 120 118 117 115 114 113 112 109 108 107 105 104
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	171 171 171 168 165 163 161 159 158 156 138 137 136 135 134	157 157 157 154 152 150 149 148 146 145 129 128 127 126 125	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	127 124 122 120 118 117 115 114 113 112 109 108 107 105 104
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	171 171 171 168 165 163 161 159 158 156 138 137 136 135 134	157 157 157 154 152 150 149 148 146 145 129 128 127 126 125	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	127 124 122 120 118 117 115 114 113 112 109 108 107 105 104
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	171 171 171 168 165 163 161 159 158 156 138 137 136 135 134	157 157 157 154 152 150 149 148 146 145 129 128 127 126 125	154 154 154 154 151 148 145 143 141 140 123 122 121 119 118	127 124 122 120 118 117 115 114 113 112 109 108 107 105 104
									0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	199 199 199 199 195 191 188 185 182 180 159 157 156 154 153	171 171 171 168 165 163 161 159 158 156 138 137 136 135 134	157 157 157 154 152 150 149 148 146 145 129 128 127 1		

**Artisan® Lap Siding**

All national, state, and local building code requirements must be followed and where they are more stringent than the Artisan® Lap Siding installation requirements, state and local requirements will take precedence.

Table 2. Wind Design Table (continued)

Allowable Wind Speed (mph) for Artisan Lap Siding (Analytical Method in ASCE 7-10 Chapter 30 C&C Part 1 and Part 3)⁶

Product	Product Thickness (in.)	Width (in.)	Fastener Type	Fastener Spacing	Frame Type	Stud Spacing (in.)	Allowable Design Load (psf)	Building Height ^{2,5} (ft.)	2015 & 2012 IBC 2015 IRC (Ultimate Design Wind Speed, V_{ult}^3)			2012 IRC 2009, 2006 IBC & IRC ⁷ (Basic Wind Speed, V_{asd}^4)		
									B	C	D	B	C	D
Artisan® Lap Siding	5/8	7-1/4	(Special Fastening Detail B) Blind nail: 8d box 2-3/8" long galvanized ring shank nail Face nail: No. 16 ga 2-1/2" long finish nail	2x4 wood (SPF)	16	84.0	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	241 241 241 241 236 231 228 224 221 219 193 191 189 187 185	219 213 208 204 201 198 196 193 192 190 168 167 165 164 163	199 194 191 187 185 183 181 179 178 176 156 155 148 146 145 144	187 187 187 187 183 179 176 174 172 170 150 148 129 127 119 126	170 165 161 158 156 153 151 150 148 147 130 129 121 120 119 118	154 150 148 145 143 142 140 139 138 137 121 120 121 120 119 118	

**Artisan® Lap Siding**

All national, state, and local building code requirements must be followed and where they are more stringent than the Artisan® Lap Siding installation requirements, state and local requirements will take precedence.

Table 2. Wind Design Table (continued)

Allowable Wind Speed (mph) for Artisan Lap Siding (Analytical Method in ASCE 7-10 Chapter 30 C&C Part 1 and Part 3)⁶

Product	Product Thickness (in.)	Width (in.)	Fastener Type	Fastener Spacing	Frame Type	Stud Spacing (in.)	Allowable Design Load (psf)	Building Height ^{2,5} (ft.)	2015 & 2012 IBC 2015 IRC (Ultimate Design Wind Speed, V_{ult}^3)			2012 IRC 2009, 2006 IBC & IRC ⁷ (Basic Wind Speed, V_{asd}^4)		
									B	C	D	B	C	D
Artisan® Lap Siding	5/8	8-1/4	No. 8 - 18 x 0.323" HD x 1-5/8" long ribbed bugle head screw ¹	Blind Screwed	Min. No. 20 ga x 3.62" x 1.375" Metal C-stud	16	53.3	0-15	192	174	158	149	135	123
								20	192	169	155	149	131	120
								25	192	166	152	149	128	118
								30	192	162	149	149	126	116
								35	188	160	147	146	124	114
								40	184	158	146	143	122	113
								45	181	156	144	141	121	112
								50	179	154	143	138	119	110
								55	176	153	142	137	118	110
								60	174	151	140	135	117	109
								65	154	134	125	119	104	96
								70	152	133	124	118	103	96
								75	151	132	123	117	102	95
								80	149	131	122	115	101	95
								85	148	130	122	114	100	94
Artisan® Lap Siding	5/8	8-1/4	No. 8 - 18 x 0.323" HD x 1-5/8" long ribbed bugle head screw ¹	Blind Screwed	Min. No. 20 ga x 3.62" x 1.375" Metal C-stud	24	41.7	0-15	170	154	140	132	119	109
								20	170	150	137	132	116	106
								25	170	147	134	132	114	104
								30	170	144	132	132	111	102
								35	166	141	130	129	110	101
								40	163	139	129	126	108	100
								45	160	138	127	124	107	99
								50	158	136	126	122	105	98
								55	156	135	125	121	105	97
								60	154	134	124	119	104	96
								65	136	118	110	105	92	85
								70	135	117	110	104	91	85
								75	133	116	109	103	90	84
								80	132	115	108	102	89	84
								85	131	115	108	101	89	83
Artisan® Lap Siding	5/8	8-1/4	0.100" shank x 1.5" long x 0.313" HD ET&F pin ⁹	Blind Nailed at each stud	Min. No. 20 ga x 3.62" x 1.375" Metal C-Stud	16	44.5	0-15	176	159	145	136	123	112
								20	176	155	141	136	120	109
								25	176	151	139	136	117	108
								30	176	148	136	136	115	106
								35	172	146	135	133	113	104
								40	168	144	133	131	112	103
								45	166	142	132	128	110	102
								50	163	141	130	126	109	101
								55	161	139	129	125	108	100
								60	159	138	128	123	107	99
								65	141	122	114	109	95	88
								70	139	121	113	108	94	88
								75	138	120	113	107	93	87
								80	136	119	112	105	92	87
								85	135	119	111	105	92	86



Artisan® Lap Siding

All national, state, and local building code requirements must be followed and where they are more stringent than the Artisan® Lap Siding installation requirements, state and local requirements will take precedence.

Table 2. Wind Design Table (continued)

Allowable Wind Speed (mph) for Artisan Lap Siding (Analytical Method in ASCE 7-10 Chapter 30 C&C Part 1 and Part 3)⁶

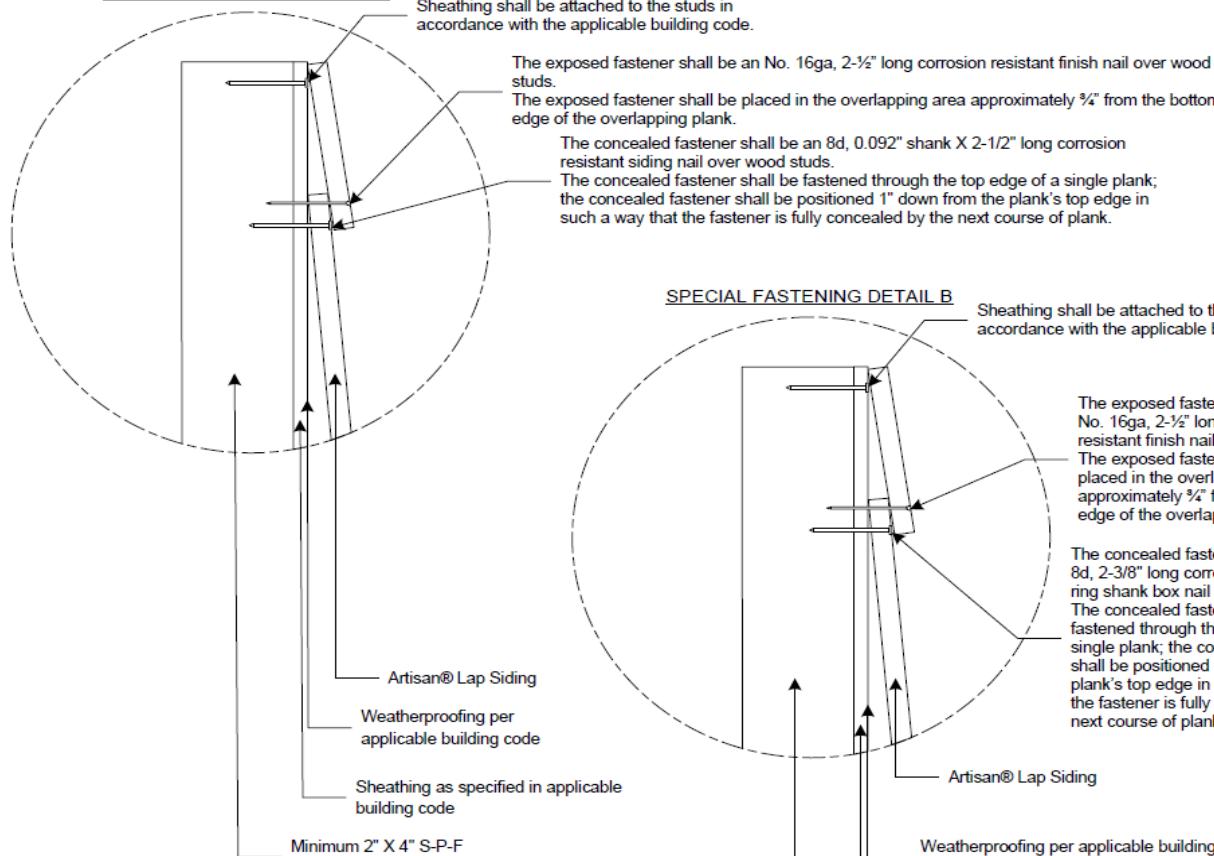
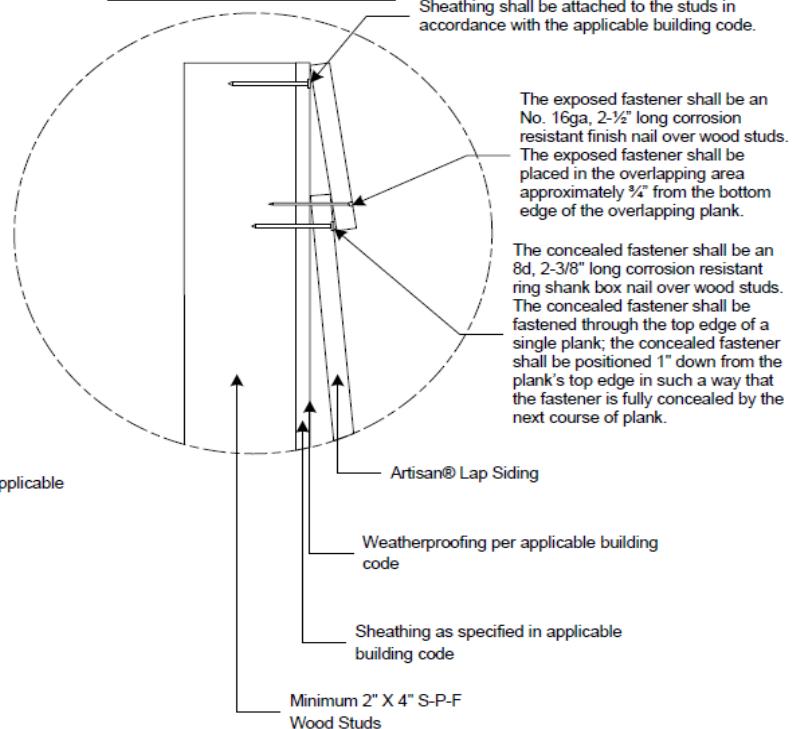
Product	Product Thickness (in.)	Width (in.)	Fastener Type	Fastener Spacing	Frame Type	Stud Spacing (in.)	Allowable Design Load (psf)	Building Height ^{2,5} (ft.)	2015 & 2012 IBC 2015 IRC (Ultimate Design Wind Speed, V_{ult}^3)			2012 IRC 2009, 2006 IBC & IRC ⁷ (Basic Wind Speed, V_{asd}^4)		
									B	C	D	B	C	D
Artisan® Lap Siding	5/8	8-1/4	0.100" shank x 1.5" long x 0.313" HD ET&F pin ⁹	Blind Nailed at each stud	Min. No. 20 ga. x 3.62" x 1.375" Metal C-Stud	24	39.2	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	165	150	136	128	116	105
									165	145	133	128	113	103
									165	142	130	128	110	101
									165	139	128	128	108	99
									161	137	126	125	106	98
									158	135	125	122	105	97
									156	134	124	121	103	96
									153	132	122	119	102	95
									151	131	121	117	101	94
									150	130	120	116	100	93
									132	115	107	102	89	83
									131	114	106	101	88	82
									129	113	106	100	87	82
									128	112	105	99	87	81
									127	111	104	98	86	81
Artisan® Lap Siding	5/8	8-1/4	(Special Fastening Detail A) Blind nail: 0.092" shank x 0.225" HD x 2-1/2" long galvanized siding nail Face nail: No. 16 ga 2-1/2" long finish nail	2x4 wood (SPF)	16	45.0	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	177	160	146	137	124	113	
								177	156	142	137	121	110	
								177	152	140	137	118	108	
								177	149	137	137	116	106	
								173	147	135	134	114	105	
								169	145	134	131	112	104	
								167	143	132	129	111	103	
								164	141	131	127	110	102	
								162	140	130	126	109	101	
								160	139	129	124	108	100	
								141	123	114	110	95	89	
								140	122	114	108	94	88	
								138	121	113	107	94	88	
								137	120	112	106	93	87	
								136	119	112	105	92	87	
Artisan® Lap Siding	5/8	8-1/4	(Special Fastening Detail B) Blind nail: 8d box 2-3/8" long galvanized ring shank nail Face nail: No. 16 ga 2-1/2" long finish nail	2x4 wood (SPF)	16	80.0	0-15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	235	214	194	182	165	150	
								235	208	189	182	161	147	
								235	203	186	182	157	144	
								235	199	183	182	154	142	
								230	196	181	179	152	140	
								226	193	178	175	150	138	
								222	191	176	172	148	137	
								219	189	175	169	146	135	
								216	187	173	167	145	134	
								214	185	172	165	143	133	
								189	164	153	146	127	118	
								186	163	152	144	126	118	
								184	161	151	143	125	117	
								182	160	150	141	124	116	
								181	159	149	140	123	116	

Artisan® Lap Siding

All national, state, and local building code requirements must be followed and where they are more stringent than the Artisan® Lap Siding installation requirements, state and local requirements will take precedence.

Wind Table Foot Notes & Special Fastening Details**Footnotes apply to the tables on previous pages**

1. Screws shall penetrate through the metal framing by at least three full threads.
2. building height = mean roof height (in feet) of a building, except that eave height shall be used for roof angle Θ less than or equal to 10° (2-12 roof slope).
3. V_{ult} = ultimate design wind speed.
4. V_{asd} = nominal design wind speed.
5. Linear interpolation of building height and wind speed is permitted.
6. Wind speed design assumptions per Analytical Method in ASCE 7-10 Chapter 30 C&C Part 1 and Part 3: $K_{zI}=1$, $K_d=0.85$, $GC_p=-1.4$ ($h\leq 60$), $GC_p=-1.8$ ($h>60$), $GC_{pi}=0.18$.
7. 2009 IBC/IRC, 2006 IBC/IRC calculated using Importance Factor, $I = 1$.
8. Values are for species for wood having a specific gravity of 0.40 or greater.
9. Pins shall penetrate through the metal framing by 1/4".

SPECIAL FASTENING DETAIL A**SPECIAL FASTENING DETAIL B**

JamesHardie

NEW CONSTRUCTION/ADDITION, NON-RESIDENTIAL

16. 1921 Charlotte Dr (PID: 12111901)

HDCCMA-2023-00115

Dilworth

Erica Kennedy, Applicant

Information Submitted by the Public

Matt Knox

2000 Charlotte Drive

Good afternoon I am writing you in opposition to the new construction project proposed at 1921 Charlotte Drive. I live diagonal from this location and am opposed due to the density of the project and taking down beautiful oak trees. There will be minimal green space and this would overpower the lot. Thank you Matt Knox



Information Submitted by the Public

Russell Ruckterstuhl

1227 E. Worthington Ave

From: [Russell Ruckterstuhl](#)
To: [Harpst, Kristina](#); [Kochanek, Cynthia](#); [Shugart, Jenny](#)
Cc: [City of Charlotte Historic District Commission](#)
Subject: [EXT]Proposal 2023-00115 - 1921 Charlotte Drive
Date: Monday, April 10, 2023 10:40:18 PM

EXTERNAL EMAIL: This email originated from the Internet. Do not click any images, links or open any attachments unless you recognize and trust the sender and know the content is safe. Please click the Phish Alert button to forward the email to Bad.Mail.

My name is Russell Ruckterstuhl and I have been a resident of Dilworth for 29 years. Proposed project HDCCMA-2023-00115 is within sight of my home on East Worthington Ave.

I am against approval of this new construction / addition proposal for the following reasons: (page of Historic District Design Standard for reference)

1. Massing and Complexity of Form (7.7)

The subject project does not adequately address massing and complexity of form to fit in with the adjacent historic buildings. The east and west elevations of the new building are simple, flat surfaces without any complexity. The east elevation along Kenilworth is also flat with minimal rhythm provided by a change in exterior finish. None of the massing mimics any of the form from adjacent historic buildings with projecting bays, dormers, etc. The building is nothing more than a simple, plain box you would expect from a suburban motel.

2. Scale (7.9)

The subject project does not include any design elements that provide a human scale for the building . The building should include elements typical to the surrounding context such as porches or one story projections to bring the building into scale with the surrounding neighborhood. None of these elements are included in the current design.

3. Orientation (7.6)

This proposal does not orient the entrance to the street. The existing building does not have and entrance from Charlotte drive. The applicant incorrectly states that there is a “recessed off-center entry on Charlotte Drive” - this access has been removed. The main hotel entrance is directly from the parking lot on the side of the building and it not accessible by pedestrians from Charlotte Drive. This is important since the property is planning to utilize on-street parking.

4. Spacing (7.5)

The subject project does not provide spacing between the existing and new structure along Ideal way that matches the historic pattern in the immediate surroundings of the new construction. There is approximately 10' between the new and existing buildings - much less than between other buildings in the immediate area. This adds to the massing and scale of the project from Ideal Way making the building spacing unlike the surrounding historic properties.

5. Lighting (8.12)

The subject project existing parking lot includes a sodium pole light and single light over the parking lot building entrance. The building along Charlotte Drive and Ideal Way is dark without any exterior lights. The subject project does not address lighting in their documentation. The design standards state that new listing should be dark sky compliant, downward directed, and fully shielded. Also, bright security lighting mounted at eve heights of buildings should be avoided and any security lighting must be downward directed.

6. Parking (8.3)

The subject project has the parking lot in the side yard is prominent when approaching the property from the north on Charlotte drive. There is no screening provided to the north of the parking lot and the screening of the parking lot from Charlotte drive is limited at ground level.

In general, please note that the existing building is a commercial building less than 50 years old. The existing building can not be considered as “context” for new construction per page 3.29. The same goes for the three condominium buildings to the north on Charlotte Drive. Just because the existing building and surrounding non-historic buildings do not meet the historic district standards it does not mean that this building expansion is exempt from their requirements. When compared to the historic structures surrounding the property, this proposed design is not up to these standards.

In addition to these design issues there are other issues with this project such as the removal of mature trees and the increase in non-permeable area.

Due to all of these issues with the proposed project, please consider voting “against” this proposal. Thank you,

Russell Ruckterstuhl
1227 E. Worthington Ave.
ruckter@bellsouth.net
704.408.3381

Information Submitted by the Public

Brooke Russell

2013 Charlotte Drive

From: [Drath, Marilyn](#)
To: [Harpst, Kristina](#)
Subject: B.RUSSELL FW: [EXT]HDCCMA-2023-00115
Date: Tuesday, April 11, 2023 1:35:25 PM
Attachments: [image001.png](#)

Marilyn Drath

Associate Planner – Historic Districts
Charlotte Planning, Design + Development
600 East 4th Street | 8th Floor | Charlotte, NC 28202
704-336-2648 | Marilyn.Drath@CharlotteNC.gov
charlottenc.gov/planning



From: Brooke Russell <brookeruss929@gmail.com>
Sent: Tuesday, April 11, 2023 9:39 AM
To: Drath, Marilyn <Marilyn.Drath@charlottenc.gov>
Subject: [EXT]HDCCMA-2023-00115

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Attention: Marilyn Drath and the City of Charlotte Historic District Commission:

I'm writing today, as a Charlotte Drive neighbor, to voice my opposition to the proposed expansion of the building on PID:[12111901](#) located at 1921 Charlotte Drive. As a fellow steward of historic Dilworth, I wanted to provide input. I'm unable to attend Wednesday's (4/12/23) HDC meeting, but have a vested interest in balancing progress while respecting and maintaining historic standards.

The proposed design lacks many of the core elements and details that have helped to preserve the historic charm that characterizes the Dilworth neighborhood.

1. First, the proposed design does not take into consideration the preservation of green space, nor does it respect the neighborhood's (and city's) mission to maintain a large tree canopy.
 - a. The proposed building addition and 6 new parking spaces increase the impervious surface area on the lot.
 - b. The proposed structure would require the removal of 3 mature trees on Dilworth's historic edge. If we don't maintain historic standards in preserving the edges of the historic district, it will continue to shrink.
2. The density created by the proposed addition, by comparison, is incongruent with other single family homes on Charlotte Drive and adjacent streets, and is not complementary to the streetscape.
 - a. The size of two large structures on the property erodes the pedestrian feel and scale

- that exists throughout the neighborhood.
- b. When transitioning from single family to denser development, the historic context surrounding the site must be respected (height, massing, roof forms, materials, etc.)
 - 3. Lastly, the proposed design package lacks a site dimensioning plan, making it difficult to know, specifically, the size and scale of what is being proposed.

I'm grateful for your consideration and partnership in preservation.

Best,
Brooke

--

Brooke Russell
BrookeRuss929@gmail.com
704-989-8934

Information Submitted by the Public

George Russell

2013 Charlotte Drive

From: [Drath, Marilyn](#)
To: [Harpst, Kristina](#)
Subject: G.RUSSELL FW: [EXT]HDCCMA-2023-00115
Date: Tuesday, April 11, 2023 1:35:58 PM
Attachments: [image001.png](#)

Marilyn Drath

Associate Planner – Historic Districts
Charlotte Planning, Design + Development
600 East 4th Street | 8th Floor | Charlotte, NC 28202
704-336-2648 | Marilyn.Drath@CharlotteNC.gov
charlottenc.gov/planning



From: George Russell <georgeruss2@gmail.com>
Sent: Tuesday, April 11, 2023 6:39 AM
To: Drath, Marilyn <Marilyn.Drath@charlottenc.gov>
Subject: [EXT]HDCCMA-2023-00115

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Attention: Marilyn Drath and the City of Charlotte Historic District Commission:

I'm writing today, as a Charlotte Drive neighbor, to voice my opposition to the proposed expansion of the building on PID:[12111901](#) located at 1921 Charlotte Drive. As a fellow steward of historic Dilworth, I wanted to provide input. I'm unable to attend Wednesday's (4/12/23) HDC meeting, but have a vested interest in balancing progress while respecting and maintaining historic standards.

The proposed design lacks many of the core elements and details that have helped to preserve the historic charm that characterizes the Dilworth neighborhood.

1. First, the proposed design does not take into consideration the preservation of green space, nor does it respect the neighborhood's (and city's) mission to maintain a large tree canopy.
 - a. The proposed building addition and 6 new parking spaces increase the impervious surface area on the lot.
 - b. The proposed structure would require the removal of 3 mature trees on Dilworth's historic edge. If we don't maintain historic standards in preserving the edges of the historic district, it will continue to shrink.
2. The density created by the proposed addition, by comparison, is incongruent with other single family homes on Charlotte Drive and adjacent streets, and is not complementary to the streetscape.
 - a. The size of two large structures on the property erodes the pedestrian feel and scale

that exists throughout the neighborhood.

- b. When transitioning from single family to denser development, the historic context surrounding the site must be respected (height, massing, roof forms, materials, etc.)
- 3. Lastly, the proposed design package lacks a site dimensioning plan, making it difficult to know, specifically, the size and scale of what is being proposed.

I'm grateful for your consideration and partnership in preservation.

Best,

George Russell

Sent from my iPhone

Information Submitted by the Public

Scott Cottrill

1219 E. Worthington Avenue

From: [Scott Cottrill](#)
To: [Harpst, Kristina](#)
Subject: [EXT]HDCCMA-2023-00115 (1921 Charlotte Drive PID: 12111901)
Date: Monday, April 10, 2023 7:34:55 PM

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Hello, my name is Scott Cottrill and I live at 1219 East Worthington Ave in Dilworth, very close in proximity to the proposed location where an expansion is proposed to an existing micro-hotel.

First, safety is my #1 consideration. We enjoy living in an area where neighbors are actually friendly and our children feel safe.

The existing location was originally built as a “half-way house” with very limited rooms, approximately 8. Later, it became a business and renting rooms by the night, approximately 17. The new proposed expansion will allow 33 rentals per night.

This by no means should be approved and without doubt does not make sense to allow in a historic neighborhood. If approved, why not allow corporations to buy homes, demolish, and later construct 2, 5 or even 10 story complexes for businesses. Our neighborhood and children do not need more transient people that could lead to crime and go against the values of a historic district. We are not only speaking out aesthetics of the buildings, we are talking about the residents and their well being.

Also it appears the building owners propose to cut down at least 3 large oak trees. I thought we were in favor of keeping our beautiful trees. This type of business goes against our density and mass guidelines. And lastly, we have yet to see exact dimensions of the proposed construction which is important as a community member to fully understand, even for consideration.

With all due respect, I would ask that the proposed project NOT BE APPROVED. I understand this is a tough job for you all, but please help our community be safe and remain a “neighborhood.”

Sincerely,
Scott M. Cottrill
1219 E Worthington Ave, Charlotte, NC 28203
704-994-6209

Information Submitted by the Public

Denise Walsh

1225 Ideal Way

From: [Denise Walsh](#)
To: [Harpst, Kristina](#); marilyn.drath@charlotte.gov
Cc: [Denise Walsh](#)
Subject: [EXT]Comments RE: HDCCMA-2023-00115
Date: Monday, April 10, 2023 8:35:30 PM

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Hi Kristi and Marilyn,

I was unsure of whom to send my comments regarding Case # HDCCMA-2023-00115 / 1921 Charlotte Dr, so I am sending to both of you. Please note that I am also trying to clear my schedule on Wednesday afternoon so that I may attend the HDC hearing in person to speak against approval of this project...I will email Marilyn before 10am on Wednesday to pre-register for the hearing, either in person or via WebEx.

My comments regarding Case # HDCCMA-2023-00115 are as follows:

As a property owner within 300 feet of 1921 Charlotte Dr, I strongly oppose approval of the proposed project for multiple reasons. First, the existing structure is already incongruent with the neighborhood, and is surrounded by mostly single-family homes that are contributing structures to the historic district; adding another incongruent structure on this property would only compound and highlight the inconsistency. Secondly, doubling the capacity of this hotel in our residential neighborhood would drastically impact the population density in this area (again, which is mostly comprised of many single-family homes). Thirdly, the proposed loss of mature trees to accommodate the project would negatively affect the tree canopy of the neighborhood. And, finally and most importantly, the ratio of non-permeable surfaces to permeable surfaces in the proposed plan does not appear to be appropriate or consistent with the standards that are imposed on the adjacent properties.

Note: my home (which I am currently in the process of renovating, adhering to plans that were approved by the HDC in November 2021) is directly across the street from the proposed project at 1921 Charlotte Dr.

Thank you in advance for considering my concerns.

Regards,
Denise Walsh
1225 Ideal Way

Information Submitted by the Public

Chris Kete and Tiffany George-Kete

1238 E. Worthington Avenue

From: [Tiffany George-Kete](#)
To: [Harpst, Kristina](#)
Subject: [EXT]1921 Charlotte Drive
Date: Monday, April 10, 2023 10:27:06 PM

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Kristina-

We are the residents of 1238 E Worthington Avenue; therefore our backyard is immediately adjacent the subject property. We respectfully oppose the proposed addition on several grounds:

- the existing structure is already completely out of character and scale with the adjacent 1-1.5 story residential structures. The mass of the current structure is mitigated somewhat by the offset from existing property lines and the lawn/trees between the property boundaries and the building.
- the aforementioned mitigating elements would be destroyed by the proposed addition, and the mass (ie scale) and post-modern visual incongruity would be greatly exacerbated by the expansion.
- the building already rests at a low point for storm water migration through the neighborhood, the loss of permeable land will likely deteriorate the already flood-prone geography.

Thank-you for your consideration,

Chris Kete and Tiffany George-Kete

Sent from my iPhone

Information Submitted by the Public

Heather Ruckterstuhl

1227 E. Worthington Avenue

From: [Heather Ruckterstuhl](#)
To: [Harpst, Kristina](#)
Subject: [EXT]1921 Charlotte Drive proposal
Date: Monday, April 10, 2023 11:07:23 PM

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Dear Kristi and Charlotte Historic District committee,

As a resident of the Dilworth neighborhood and an adjacent neighbor, I'm writing about the 1921 Charlotte Drive proposal to add a second structure to the Kasa Edison Hotel site at the corner of Charlotte Drive and Ideal Way.

This structure was built in 1992 and operated by Hope Haven as a halfway house with a capacity of 9 residents. This facility was a well received and peaceful addition to our neighborhood. The same structure is being currently utilized to house 17 people with the proposed structure to add an additional 16 people for a total of 33 people on a site that originally operated with less than a third of that amount. The building size and design elements do not fit with the human scale of the surrounding historic structures.

This proposed project includes removal of three mature trees, one willow oak and two pecan trees. Our tree canopy is losing ground to constant development, as much as we can maintain our tree canopy without cutting down healthy trees, we will preserve a healthier space for the humans that reside and work in our community.

The property at 1921 Charlotte Drive has a parking lot made of asphalt, the current structure and the addition of the proposed structure would almost double the footprint on this property. The addition of this second structure would lessen the permeability of this property, lessen the ability of rainwater to be absorbed on this site and increase the potential for runoff and flooding in the surrounding area.

Please carefully consider this opportunity to protect this boundary property and maintain the integrity of our community.

Heather Ruckterstuhl
1227 E. Worthington Ave.

Information Submitted by the Public

Rachel Hewitt

1231 E. Worthington Avenue

From: [Drath, Marilyn](#)
To: [Harpst, Kristina](#)
Subject: HEWITT FW: [EXT]Expansion of 1921 Charlotte Drive
Date: Tuesday, April 11, 2023 1:34:52 PM

Marilyn Drath
Associate Planner – Historic Districts
Charlotte Planning, Design + Development
600 East 4th Street | 8th Floor| Charlotte, NC 28202
704-336-2648 | Marilyn.Drath@CharlotteNC.gov
charlottenc.gov/planning

-----Original Message-----

From: Rachel Hewitt <rhwitt62@gmail.com>
Sent: Monday, April 10, 2023 7:37 PM
To: City of Charlotte Historic District Commission <charlottehdc@ci.charlotte.nc.us>;
Marilyn.Draft@charlottenc.gov
Subject: [EXT]Expansion of 1921 Charlotte Drive

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Regarding the April 12, 2023 meeting of the HDC addressing the expansion of the motel at 1921 Charlotte Drive: as a resident living adjacent to the property I am dismayed at the possibility of the expansion passing.

What was previously a halfway house for 9 residents (approved and welcome by the neighborhood in 1992) has grown and changed to a motel with a 17 rooms. Now the owners have petitioned the HDC to allow an additional building to be added that would expand the property to 33 rooms.

This expansion would not only supersede the city permeability requirements by adding a new building and expanding the parking lot by 6 spaces, it would require the removal of THREE LARGE MATURE OAK TREES.

Please consider the impact of the increased density on the neighborhood as well as the 2 other issues noted above.

Thank You.

Rachel Hewitt

Information Submitted by the Public

Kay and Vince Chelena

1217 Ideal Way

From: [Kay Chelena](#)
To: [Harpst, Kristina](#); marilyn.drath@charlotte.gov
Subject: [EXT]HDCCMA 2023-00115
Date: Tuesday, April 11, 2023 12:09:46 PM

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Hello Kristina and Marilyn,

We are reaching out regarding Case # HDCCMA-2023-00115 / 1921 Charlotte Drive.

As a property owners three houses from 1921 Charlotte Dr, we strongly oppose approval of the proposed project for several reasons:

- The existing structure is already incongruent with the neighborhood and is surrounded by mostly single-family homes that are contributing structures to the historic district; adding another incongruent structure on this property would only compound and highlight the inconsistency.
- Doubling the capacity of this hotel in our residential neighborhood would drastically impact the population density in this area (again, which is mostly comprised of many single-family homes).
- The proposed loss of mature trees to accommodate the project would negatively affect the tree canopy of the neighborhood.
- Importantly, the ratio of non-permeable surfaces to permeable surfaces in the proposed plan does not appear to be appropriate or consistent with the standards that are imposed on the adjacent properties.
- Unfortunately, the current ownership does not do a good job keeping the property tidy....trash and yard debris are not maintained on a regular basis.
- We are concerned about street parking in an already congested area if these plans were approved.

Kay plans to attend either via WebEx or in person.

Thank you for accepting our input on this matter.

Kay & Vince Chelena
1217 Ideal Way
Charlotte, NC 28208
kay@themangementoffice.com

Information Submitted by the Public

Shannon Brown

1223 Ideal Way

From: [Shannon Brown](#)
To: [Harpst, Kristina](#)
Subject: [EXT]case # 2023-00115
Date: Tuesday, April 11, 2023 11:18:37 AM

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Hi Kristi,

I am writing to express my thoughts regarding the above-referenced case. My comments are as follows:

As a property owner within 400 feet of 1921 Charlotte Dr, I strongly oppose the approval of the proposed project for multiple reasons. First, the existing structure is already incongruent with the neighborhood, and is surrounded by mostly single-family homes that are contributing structures to the historic district; adding another incongruent structure on this property would only compound and highlight the inconsistency. Second, doubling the capacity of this hotel in our residential neighborhood would drastically impact the population density in this area (again, which is mostly comprised of many single-family homes). Third, the proposed loss of mature trees to accommodate the project would negatively affect the tree canopy of the neighborhood. And, finally and most importantly, the ratio of non-permeable surfaces to permeable surfaces in the proposed plan does not appear to be appropriate or consistent with the standards that are imposed on the adjacent properties.

I am trying to clear my schedule on Wednesday afternoon so that I may attend the HDC hearing in person to speak against approval of this project...I will email Marilyn before 10 am on Wednesday to pre-register for the hearing, either in person or via WebEx.

Thank you in advance for considering my concerns.

Regards,

Shannon E. Brown

1223 Ideal Way

Information Submitted by the Public

Rion Williams

2009 Charlotte Drive

From: [Rion Williams](#)
To: [Harpst, Kristina](#)
Subject: [EXT]HDCCMA-2023-00115 : 1921 Charlotte Drive
Date: Monday, April 10, 2023 9:47:18 PM

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Good Evening Kristi,

I am writing in regards to the hearing that is taking place on April 12, 2023 regarding HDCCMA-2023-00115 for the property located at 1921 Charlotte Drive. I am against the agenda item as it does not meet the historical district standards and adds a new type of building to the area that doesn't match other buildings (residential and non-residential in the area).

First off, the massing and complexity of the new construction doesn't match existing adjacent historic buildings, as noted in section 7.7 of the historic standards. This would introduce a new building with complex massing.

Secondly, the removal of 3 large mature trees is concerning as it would remove a portion of the lush garden-like atmosphere that is in much of the historic Dilworth district. These large trees help play a role in energy conservation on the property and the surrounding areas. These large trees that would be removed would rid the area of the historic trees that help define the area. The replacement of these trees in other areas of the property would take 20-40 years to get to the mature age and height of the current trees. The tree removal would continue to hurt the mature population that we continue to lose every year due to various reasons.

Last, this new building would appear to go against the 50% impermeable material in the rear yard.

Thank you for your consideration of these facts and I look forward to the result of the hearing.

--

Rion W Williams
Charlotte Drive Resident
(864)-978-2416
rionwwilliams@gmail.com