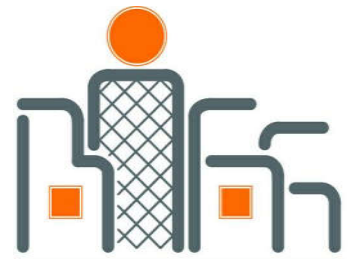
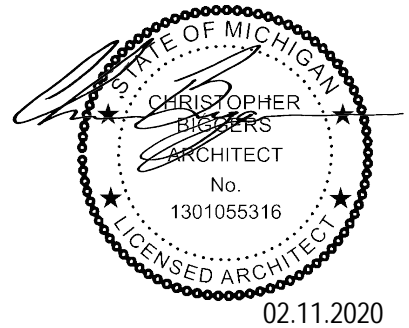




**(E) FACADE**

**HDC INDEX**

<b>SHEET</b>	<b>NAME</b>	<b>DATE</b>	<b>REV.</b>
<b>HDC-0</b>	SHEET INDEX	02.11.2020	02.11.2020
<b>HDC-1</b>	(E)BUILDING PHOTOS	01.28.2020	
<b>HDC-2</b>	(E)BUILDING PHOTOS	01.28.2020	
<b>HDC-3</b>	(E)EAST ELEVATION	02.11.2020	
<b>HDC-4</b>	(E)SOUTH ELEVATION	02.11.2020	
<b>HDC-5</b>	(E)WEST ELEVATION	02.11.2020	
<b>HDC-6</b>	(E)NORTH ELEVATION	02.11.2020	
<b>HDC-7</b>	(E)ROOF PLAN	02.11.2020	
<b>HDC-8</b>	(N)FIRST FLOOR	02.11.2020	
<b>HDC-9</b>	(N)SECOND FLOOR	02.11.2020	
<b>HDC-10</b>	(N)ROOF PLAN	02.11.2020	
<b>HDC-11</b>	(N)ROOF DETAILS	02.11.2020	02.11.2020
<b>HDC-12</b>	(N) EAST ELEVATION	02.11.2020	02.11.2020
<b>HDC-13</b>	(N) SOUTH ELEV	02.11.2020	02.11.2020
<b>HDC-14</b>	(N) WEST ELEV	02.11.2020	02.11.2020
<b>HDC-15</b>	(N) STOREFRONT DETAILS	01.28.2020	
<b>HDC-16</b>	(N) PERSPECTIVE	01.28.2020	
<b>HDC-17</b>	(N)ISOMETRIC	01.28.2020	
<b>HDC-18</b>	(SPECS) STOREFRONT	01.28.2020	
<b>HDC-19</b>	(SPECS) STOREFRONT	01.28.2020	
<b>HDC-20</b>	(SPECS) WINDOW	01.28.2020	
<b>HDC-21</b>	(SPECS) WINDOW	01.28.2020	
<b>HDC-22</b>	(SPECS) WINDOW	01.28.2020	
<b>HDC-23</b>	(SPECS) WINDOW	01.28.2020	
<b>HDC-24</b>	(SPECS) WINDOW	01.28.2020	
<b>HDC-25</b>	(N) SIGNAGE	01.28.2020	



**ARCHITECTURE  
BIGGDESIGNS, LLC**

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248.886.4460

20103  
312 S. ASHLEY  
CD-25  
SHEET INDEX  
02.11.2020

**HDC-0**



**(E) STOREFRONT**



**(E) 308 S. ASHLEY**



**(E) 314 S. ASHLEY**

YEAR BUILT: 1916  
STRUCTURAL AND WINDOW REPLACEMENT OCCURED AFTER 1950.  
ENTIRE FACADE APPEARS TO HAVE BEEN REPLACED.



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(E)BUILDING PHOTOS  
01.28.2020

**HDC-1**



**(E) SOUTH VIEW**

---



**(E) WEST VIEW OF ROOF**

---



**(E) WEST REAR VIEW**

---



**(E) EAST VIEW OF ROOF**

---



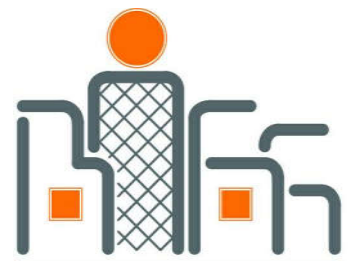
**(E) STAIRS**

---



**(E) SOUTH VIEW ALLEY**

---

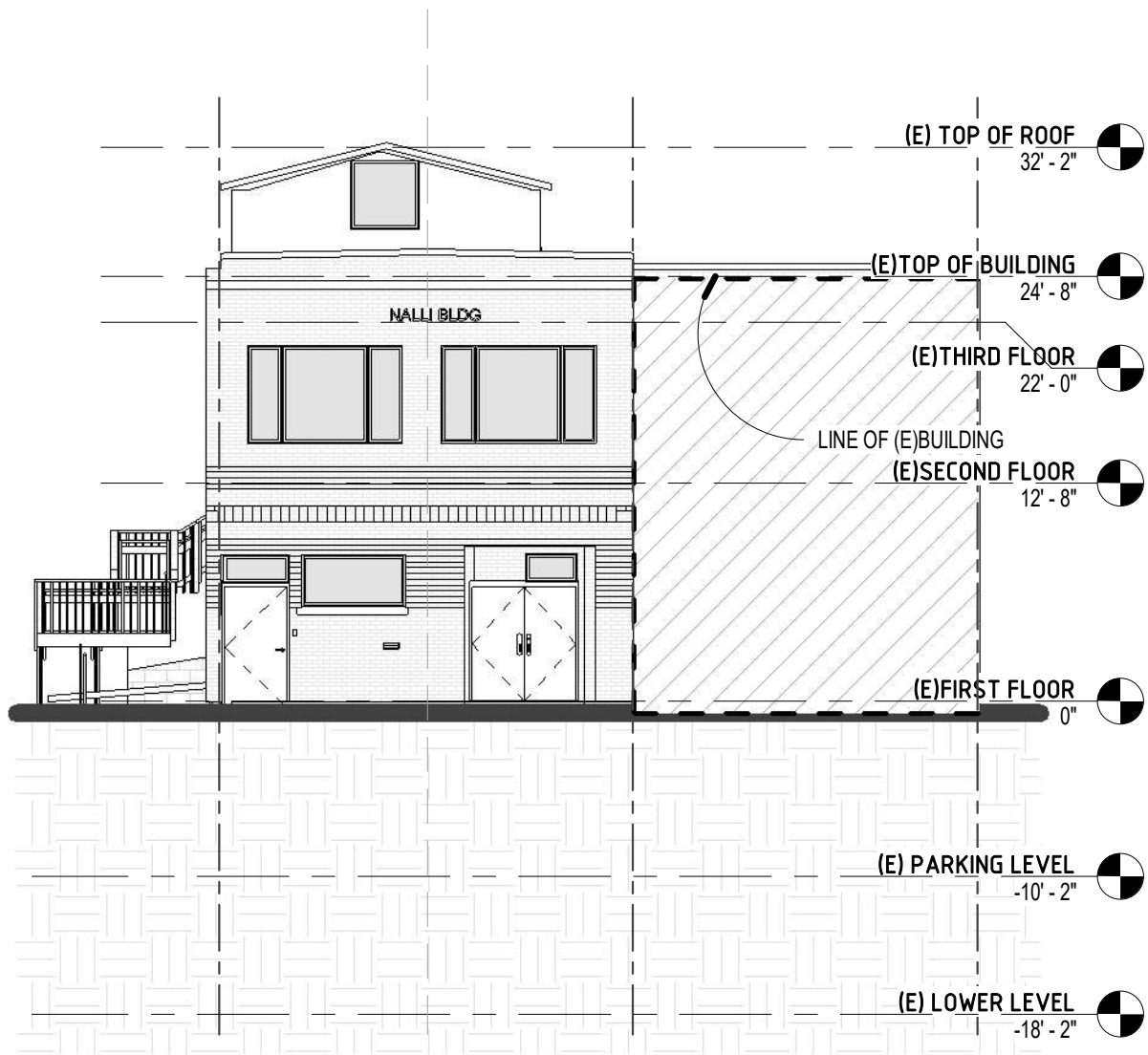


**ARCHITECTURE  
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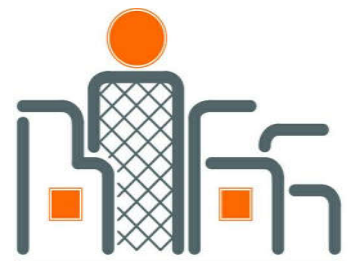
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BIGGDESIGNSLLC@GMAIL.COM  
248.886.4460

20103  
312 S. ASHLEY  
CD-25  
(E)BUILDING PHOTOS  
01.28.2020

**HDC-2**



1 (E) EAST ELEVATION  
 $3/32" = 1'-0"$

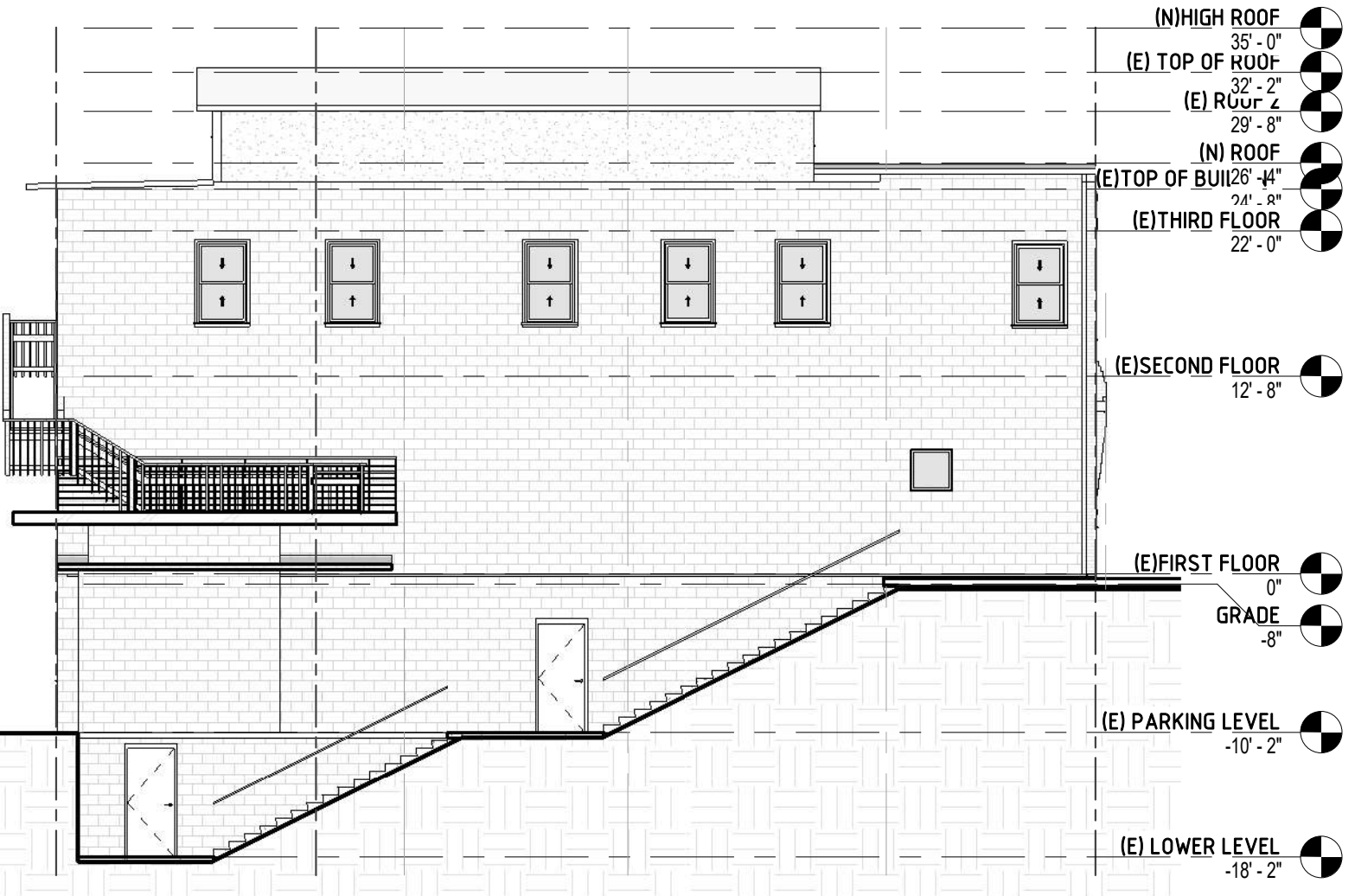


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 248.886.4460

20103  
 312 S. ASHLEY  
 CD-25  
 (E) EAST ELEVATION  
 02.11.2020

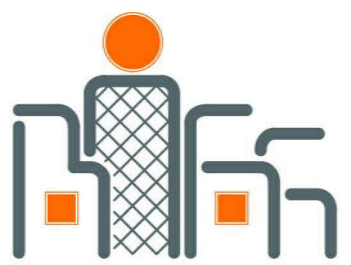
**HDC-3**



**(E) SOUTH ELEVATION**

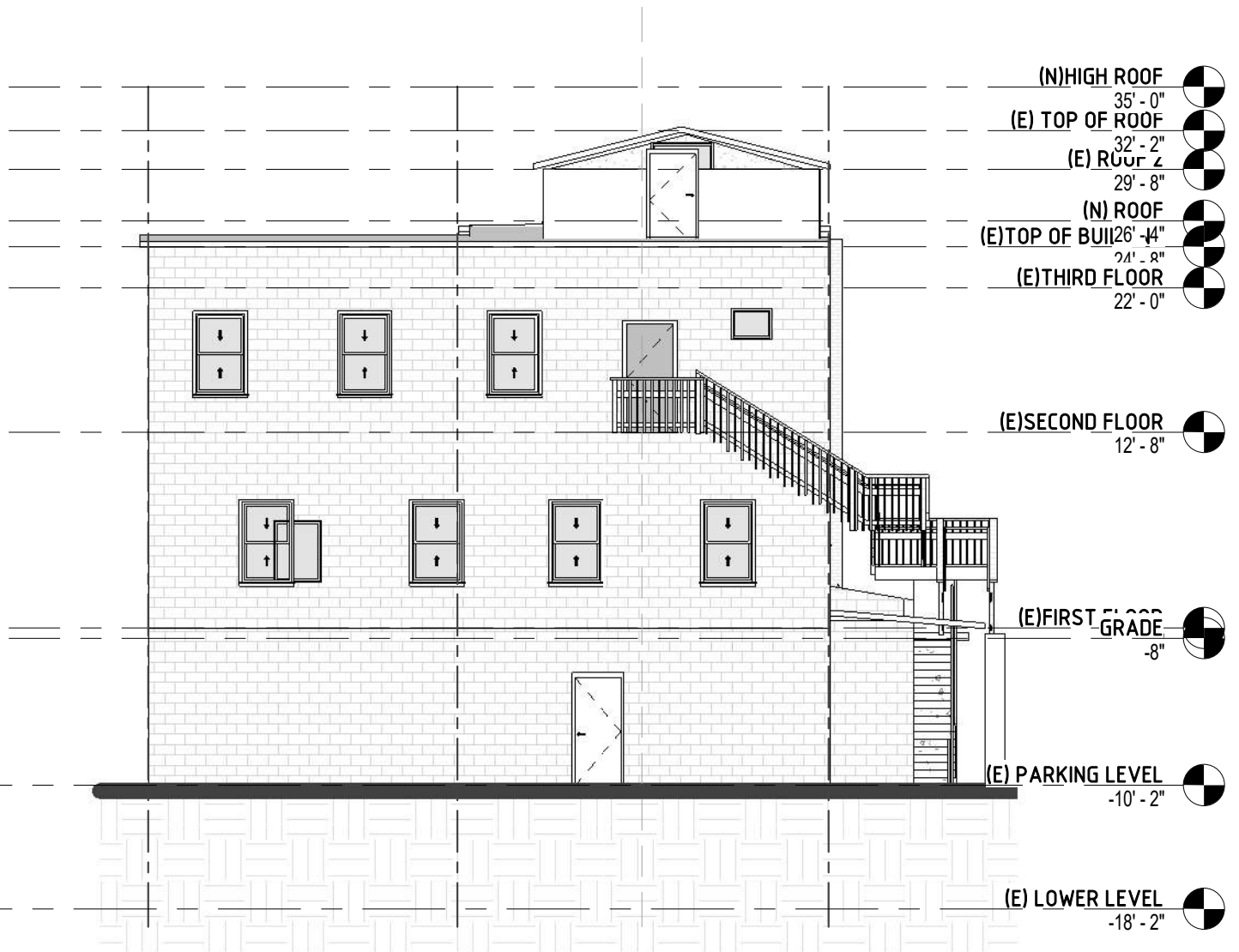
1

3/32" = 1'-0"



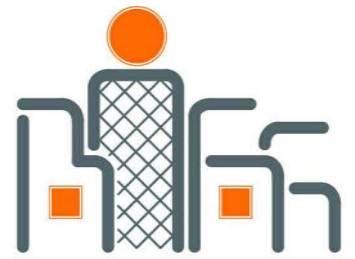
**ARCHITECTURE  
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 248.886.4460

20103  
 312 S. ASHLEY  
 CD-25  
 (E) SOUTH  
 ELEVATION  
 02.11.2020  
**HDC-4**



**(E) WEST ELEVATION**

3/32" = 1'-0"

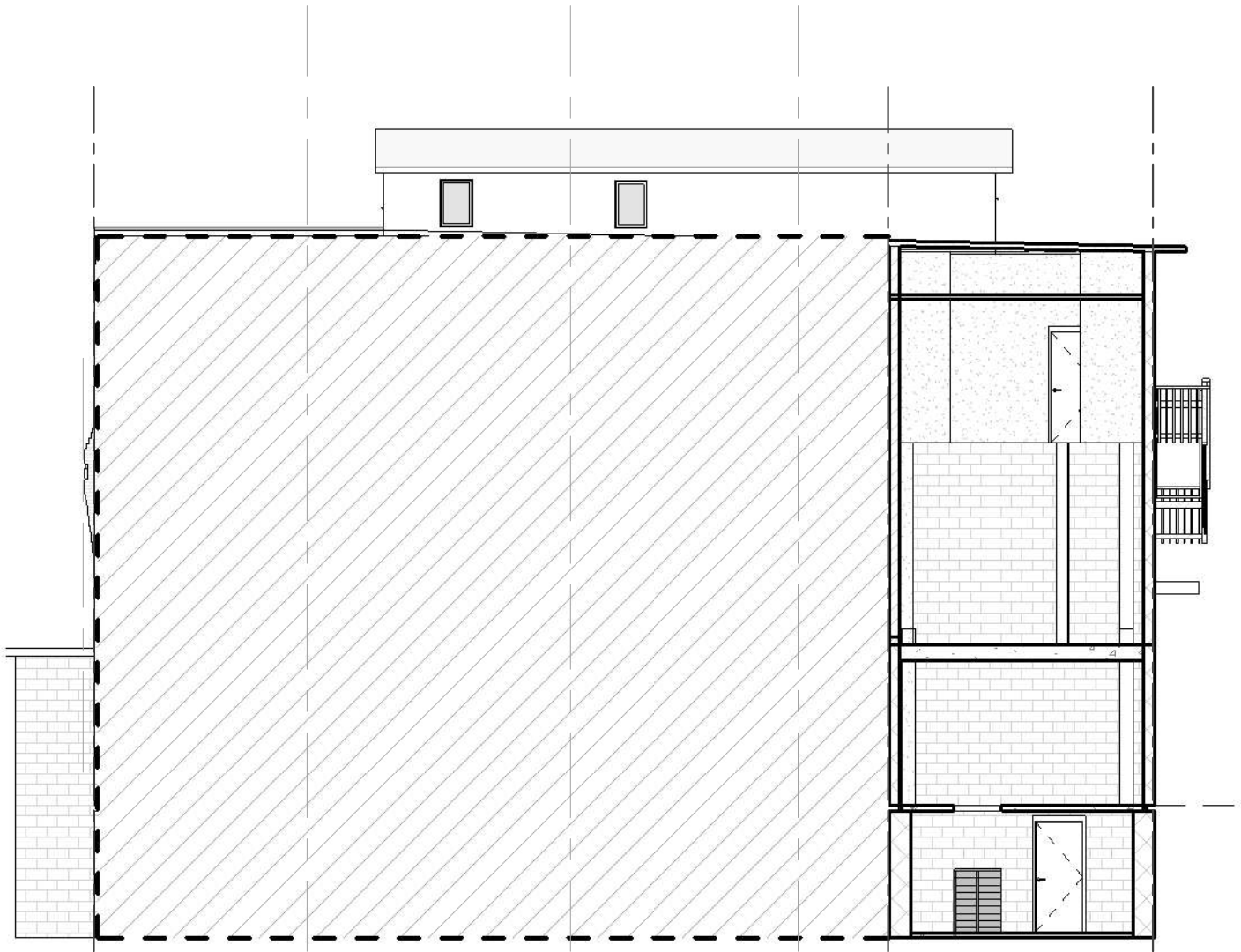


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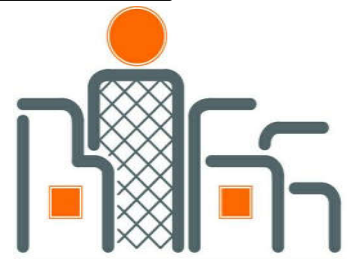
20103  
312 S. ASHLEY  
CD-25  
(E)WEST ELEVATION  
02.11.2020

**HDC-5**



1 (E) NORTH SECTION

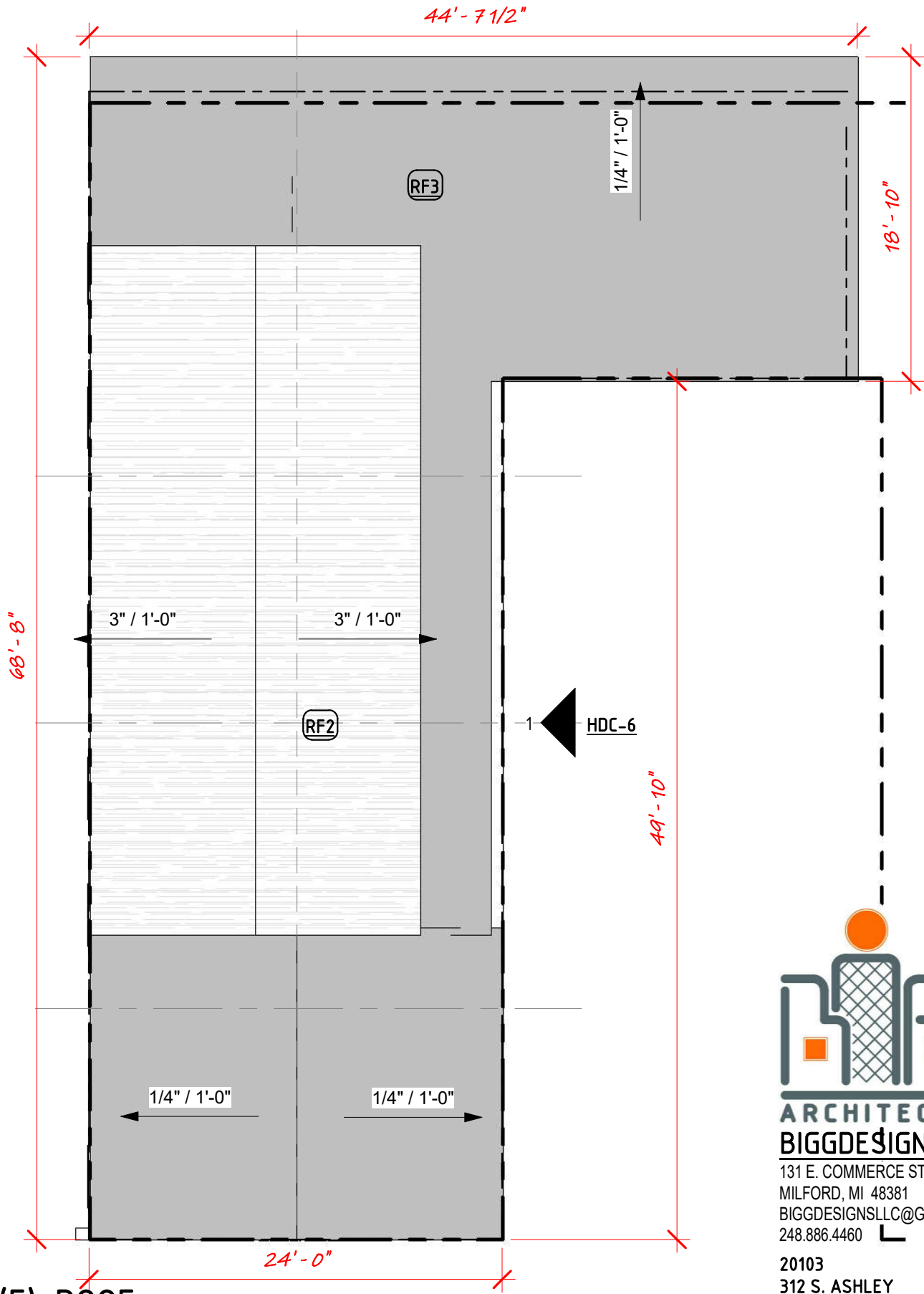
$3/32'' = 1'-0''$



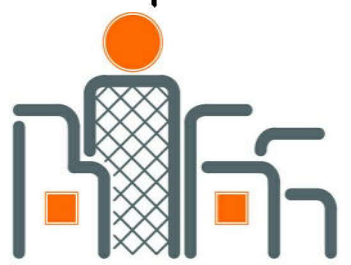
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248.886.4460

20103  
312 S. ASHLEY  
CD-25  
(E)NORTH  
ELEVATION  
02.11.2020  
**HDC-6**



1 (E) ROOF  
 1/8" = 1'-0"

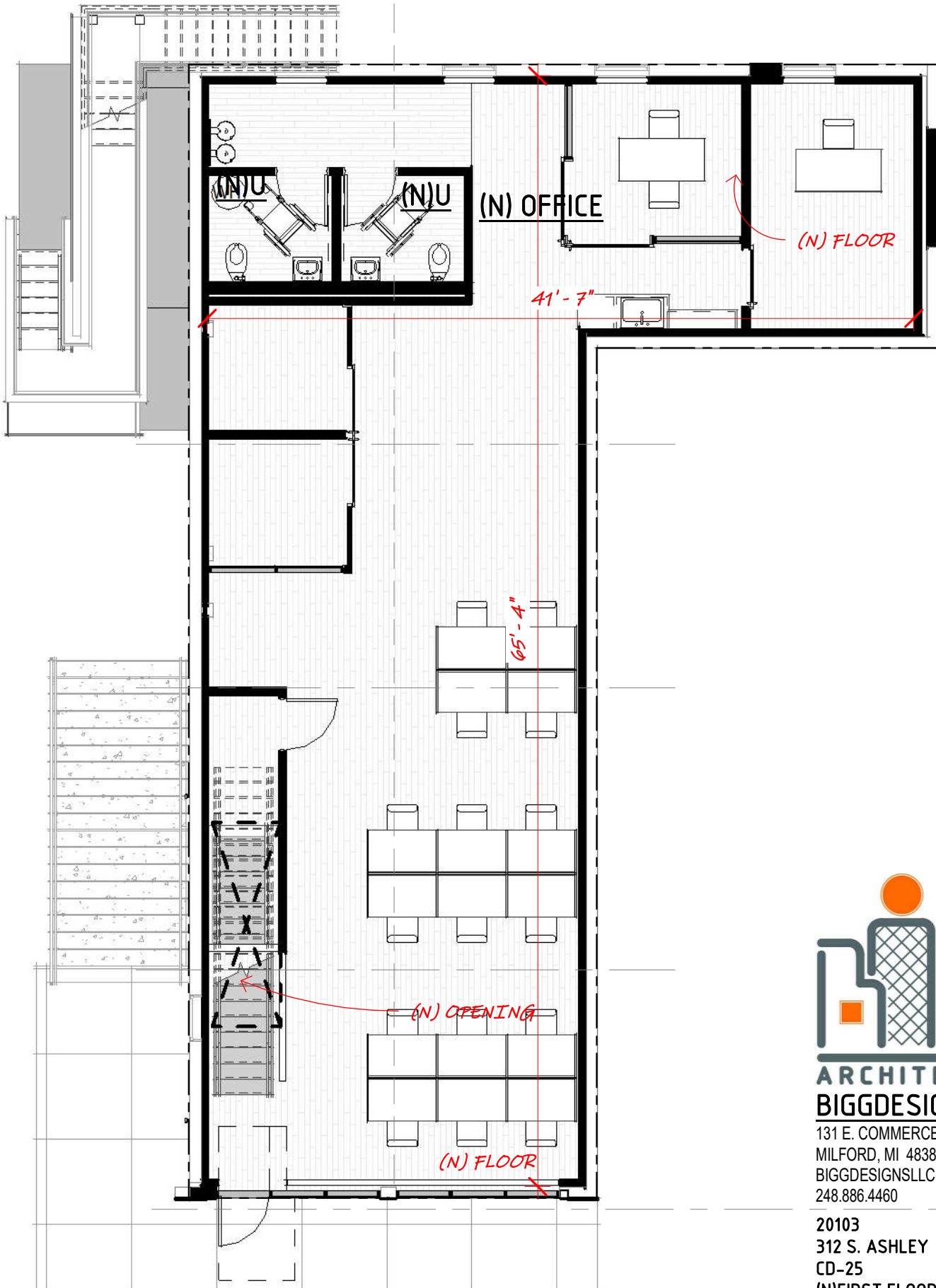


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20103  
 312 S. ASHLEY  
 CD-25  
 (E)ROOF PLAN  
 02.11.2020

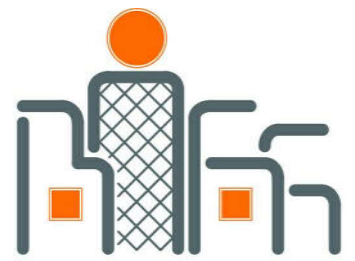
**HDC-7**





1 (N) FIRST FLOOR

1/8" = 1'-0"

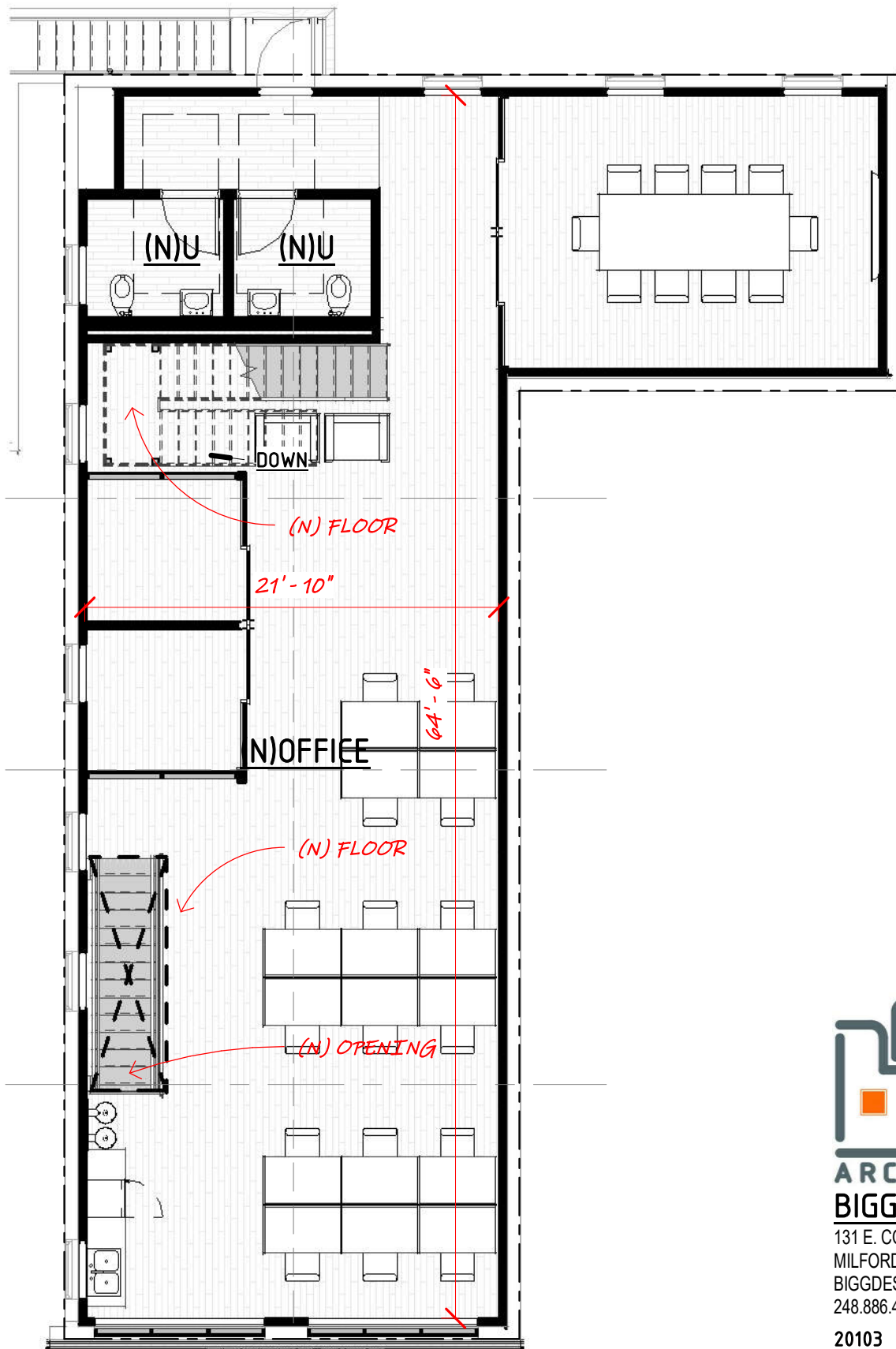


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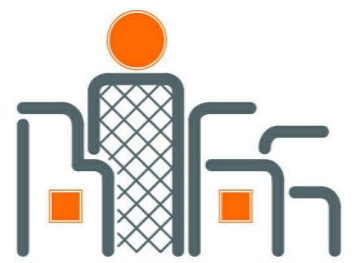
20103  
312 S. ASHLEY  
CD-25  
(N)FIRST FLOOR  
02.11.2020

**HDC-8**



1 (N) SECOND FLOOR

1/8" = 1'-0"

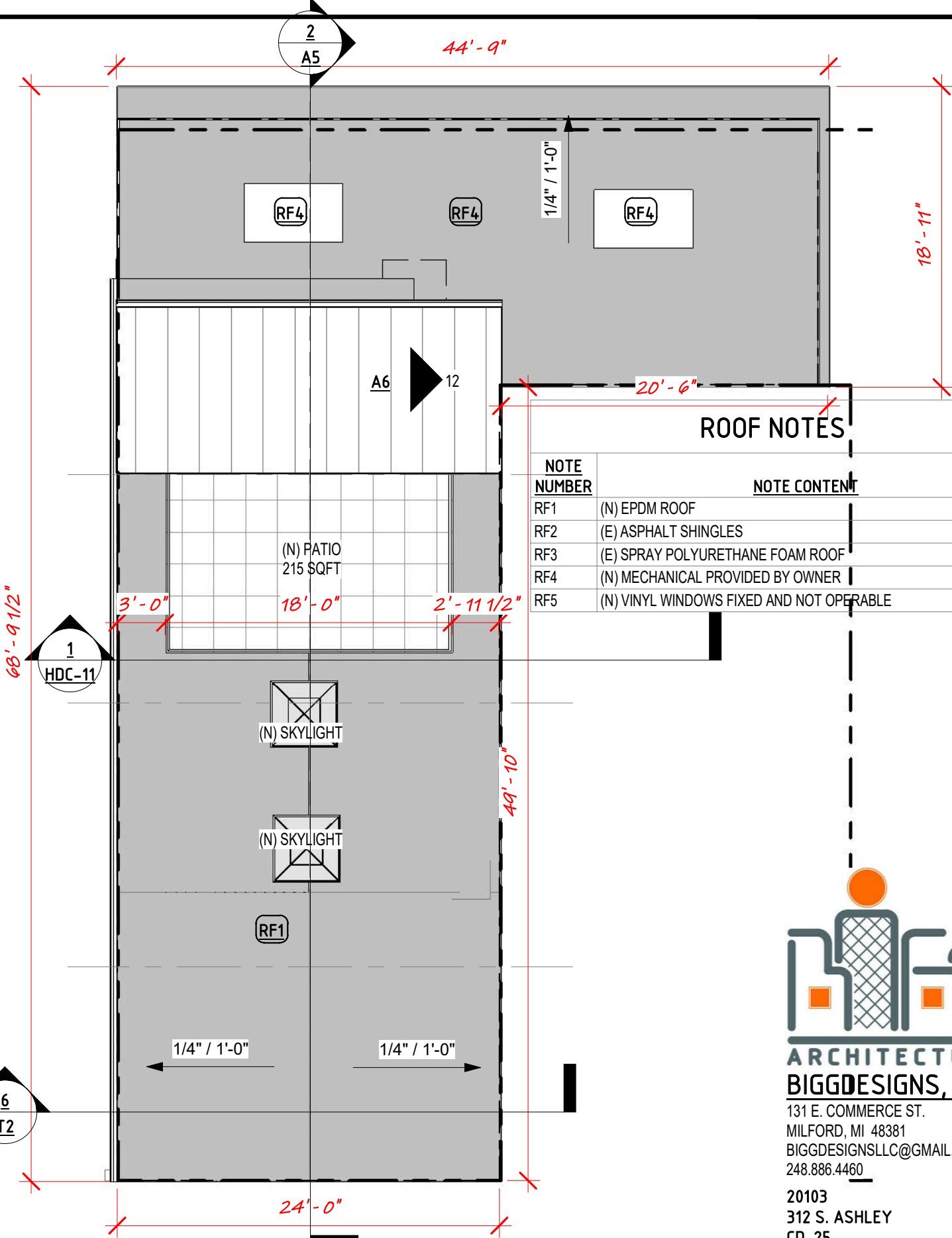


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CD-25  
(N)SECOND FLOOR  
02.11.2020

**HDC-9**

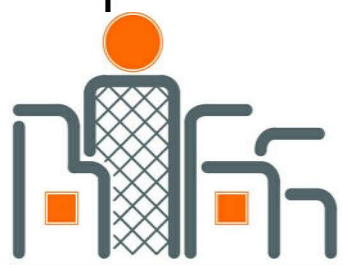


### ROOF NOTES

NOTE NUMBER	NOTE CONTENT
RF1	(N) EPDM ROOF
RF2	(E) ASPHALT SHINGLES
RF3	(E) SPRAY POLYURETHANE FOAM ROOF
RF4	(N) MECHANICAL PROVIDED BY OWNER
RF5	(N) VINYL WINDOWS FIXED AND NOT OPERABLE

# (N) ROOF PLAN

1/8" = 1'-0"

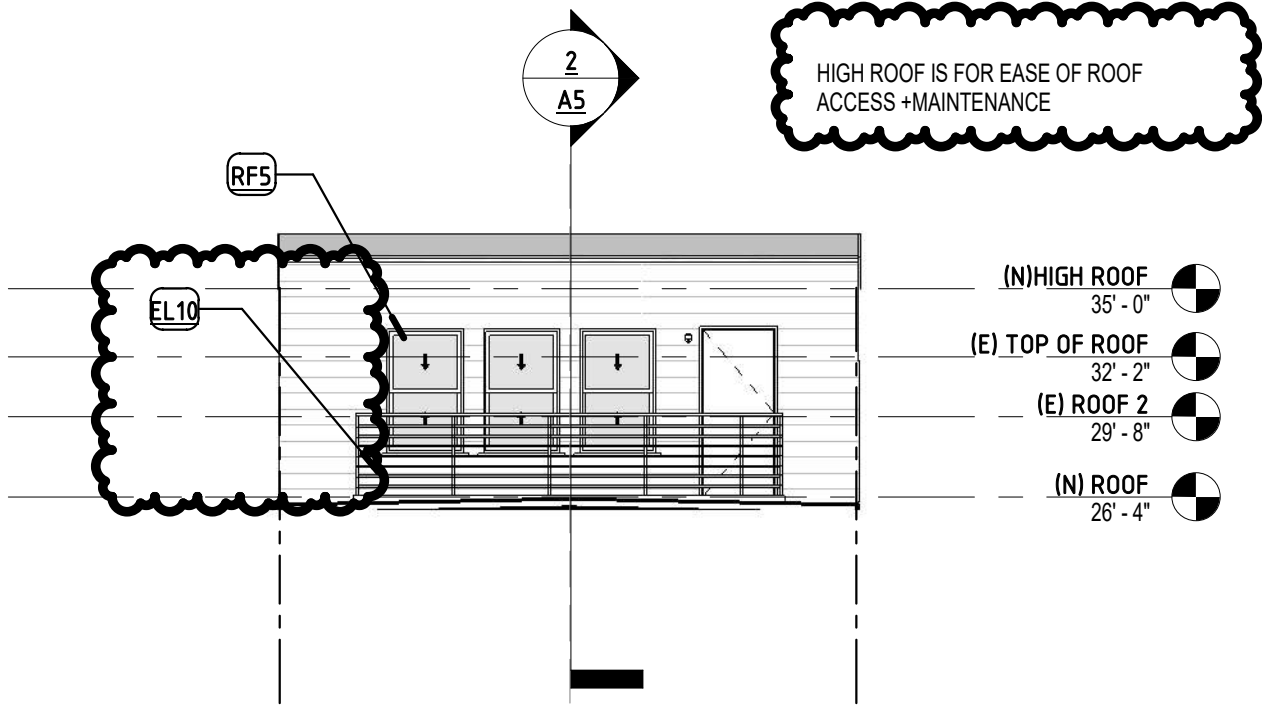


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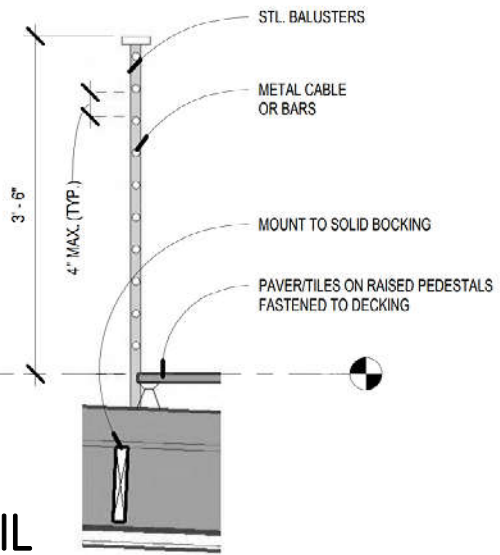
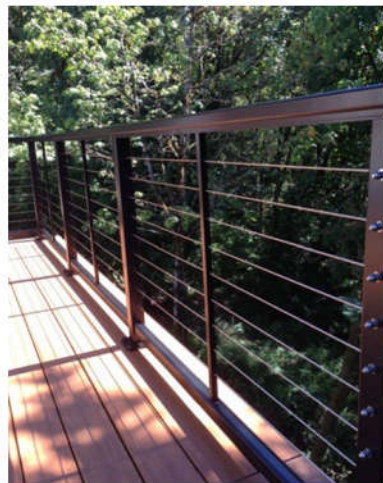
20103  
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(N) ROOF PLAN  
02.11.2020

**HDC-10**



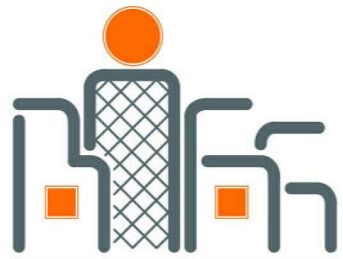
**(N) ROOFTOP ACCESS STRUCTURE**

1  
1/8" = 1'-0"



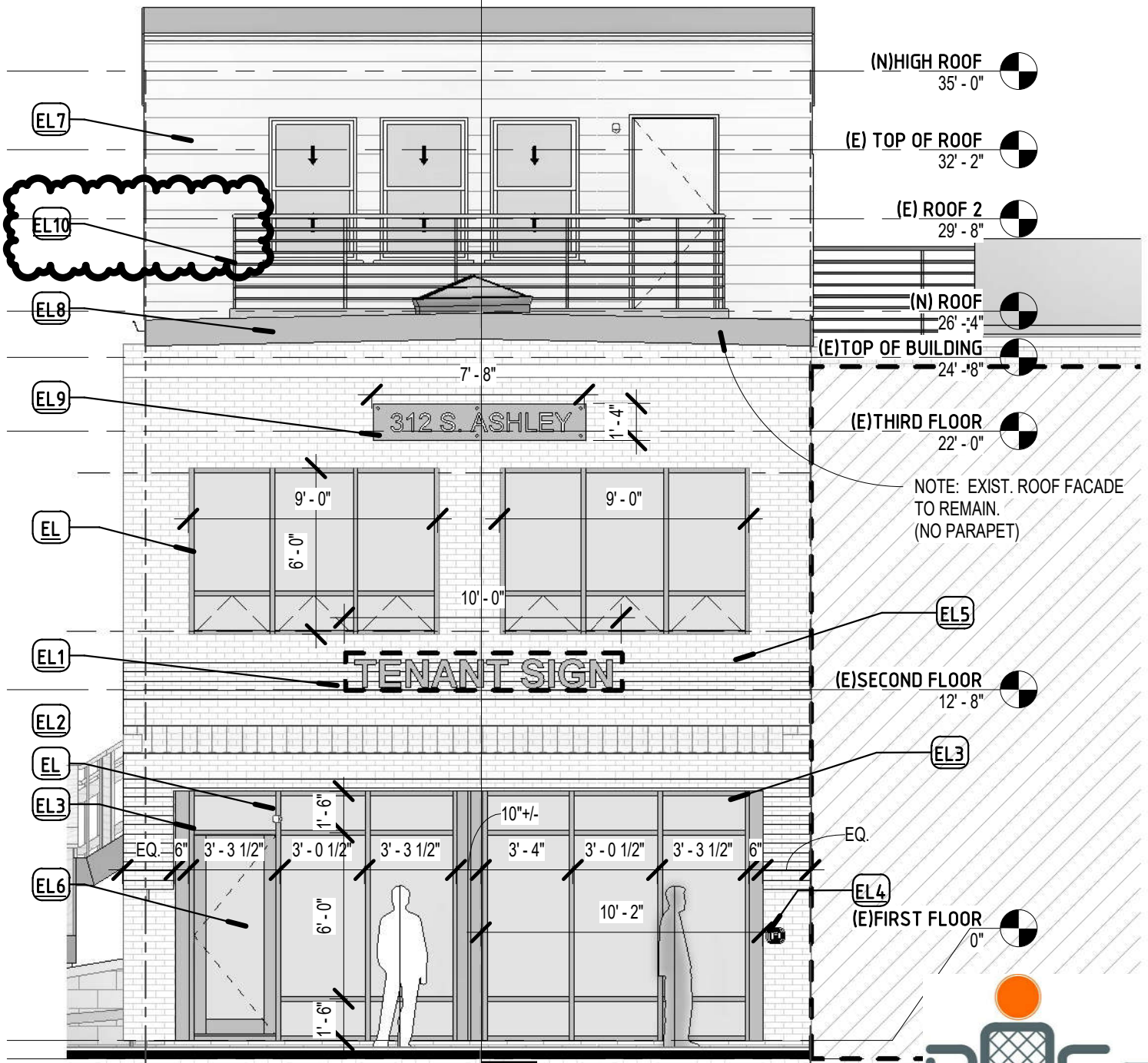
**ROOF GUARD DETAIL**

2  
1/2" = 1'-0"



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CD-25  
(N)ROOF DETAILS  
02.11.2020



(N)HIGH ROOF  
35' - 0"

(E) TOP OF ROOF  
32' - 2"

(E) ROOF 2  
29' - 8"

(N) ROOF  
26' - 4"

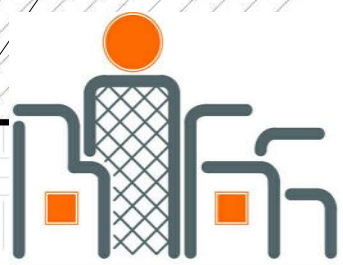
(E)TOP OF BUILDING  
24' - 8"

(E)THIRD FLOOR  
22' - 0"

NOTE: EXIST. ROOF FACADE  
TO REMAIN.  
(NO PARAPET)

(E)SECOND FLOOR  
12' - 8"

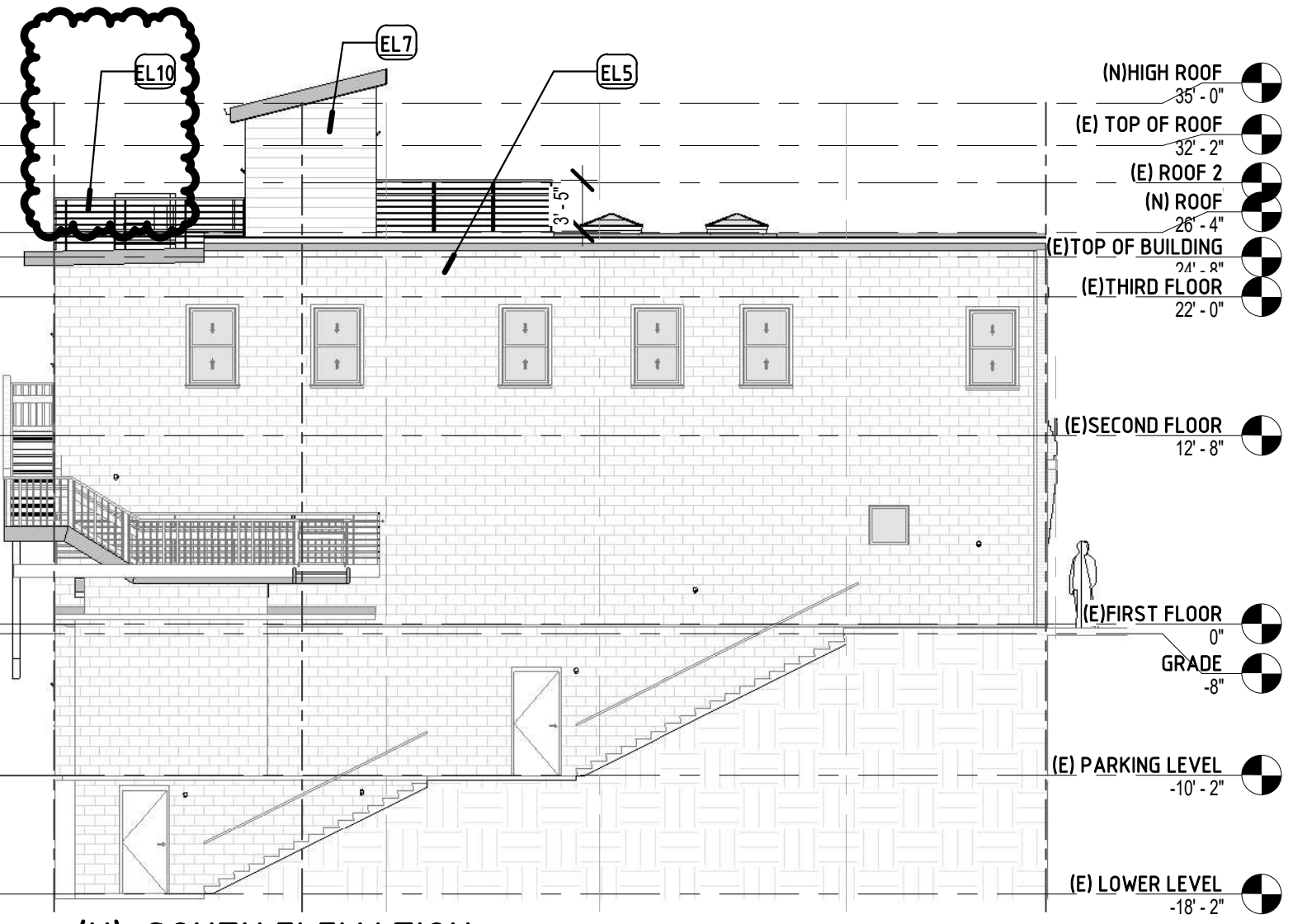
(E)FIRST FLOOR  
0"



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20103  
312 S. ASHLEY  
CD-25  
(N) EAST ELEVATION  
02.11.2020

**1 (N) STOREFRONT ELEVATION**  
3/16" = 1'-0"

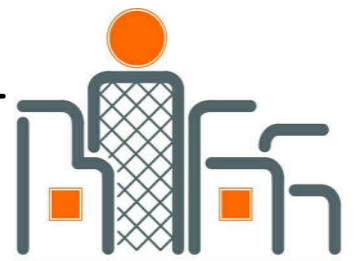


# (N) SOUTH ELEVATION

3/32" = 1'-0"

## ELEVATION NOTES HDC

TAG	NOTE CONTENT
EL	(E) POST 1950 WINDOWS TO BE REPLACED W/ (N) WINDOWS (TYP)
EL1	NEW SIGN TO MEET ZONING ORDINACE.
EL2	VERIFY ADDRESS PER CODE
EL3	EXTERIOR: ALUMINUM FRAME STOREFRONT WITH 1" INSULATED GLASS MANUF: TUBELITE MODEL: SEE SPEC SHEET COLOR: BLACK MATTE FINISH
EL4	KNOX BOX
EL5	(E) BRICK
EL6	(N) DOOR STOREFRONT GLASS DOOR TO REPLACE EXISTING DOORS.
EL7	(N) HARDIE SIDING CEMENT BOARD
EL8	(E) WOOD TRIM TO BE PAINTED
EL9	REPLACE (E) SIGN W/ (N) METAL LASER CUT SIGN
EL10	(N) GUARDRAIL AROUND PROPOSED PATIO & ROOFTOP UNIT FALL PROTECTION/SCREENING

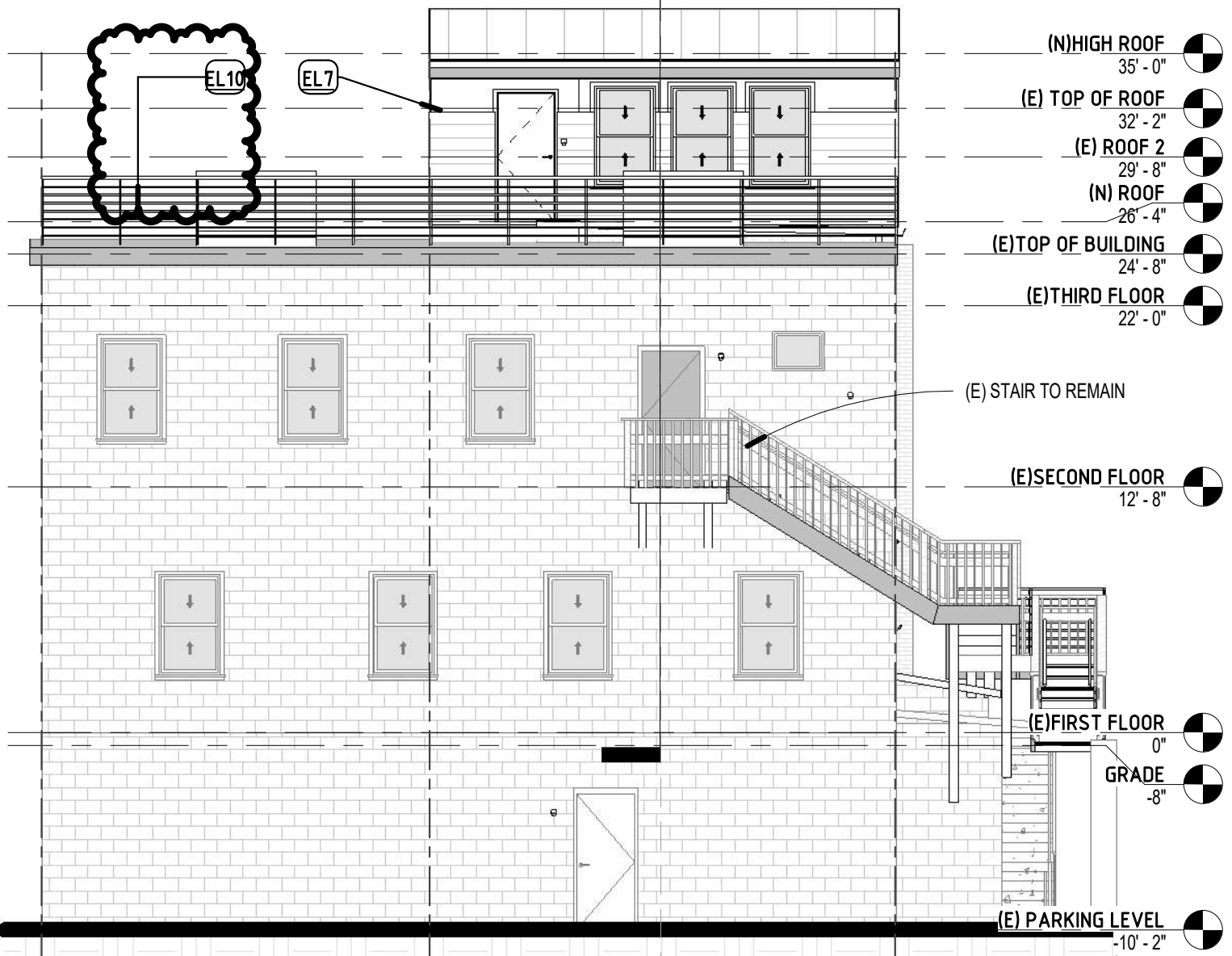


**ARCHITECTURE  
BIGGDESIGNS, LLC**

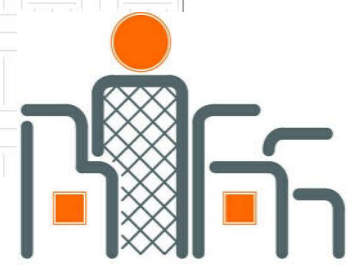
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248.886.4460

20103  
312 S. ASHLEY  
CD-25  
(N) SOUTH ELEV  
02.11.2020

**HDC-13**



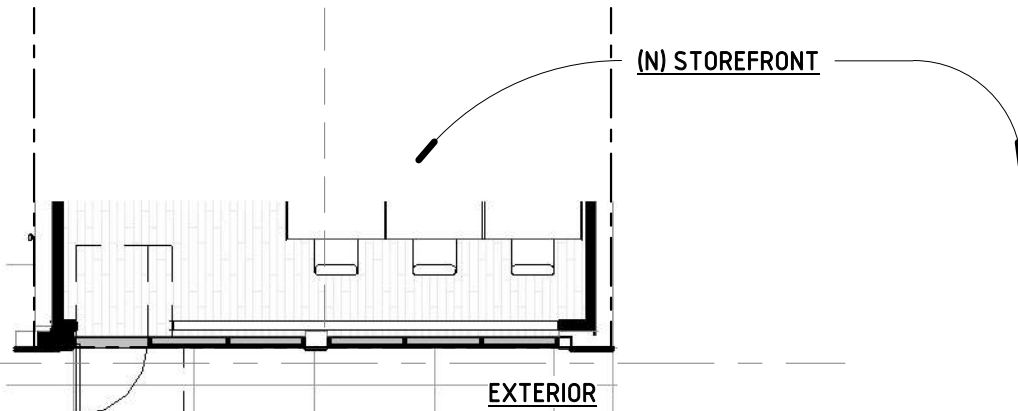
1 (N) WEST ELEVATION  
 1/8" = 1'-0"



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 20103  
 312 S. ASHLEY  
 CD-25  
 (N) WEST ELEV  
 02.11.2020

**HDC-14**

INTERIOR



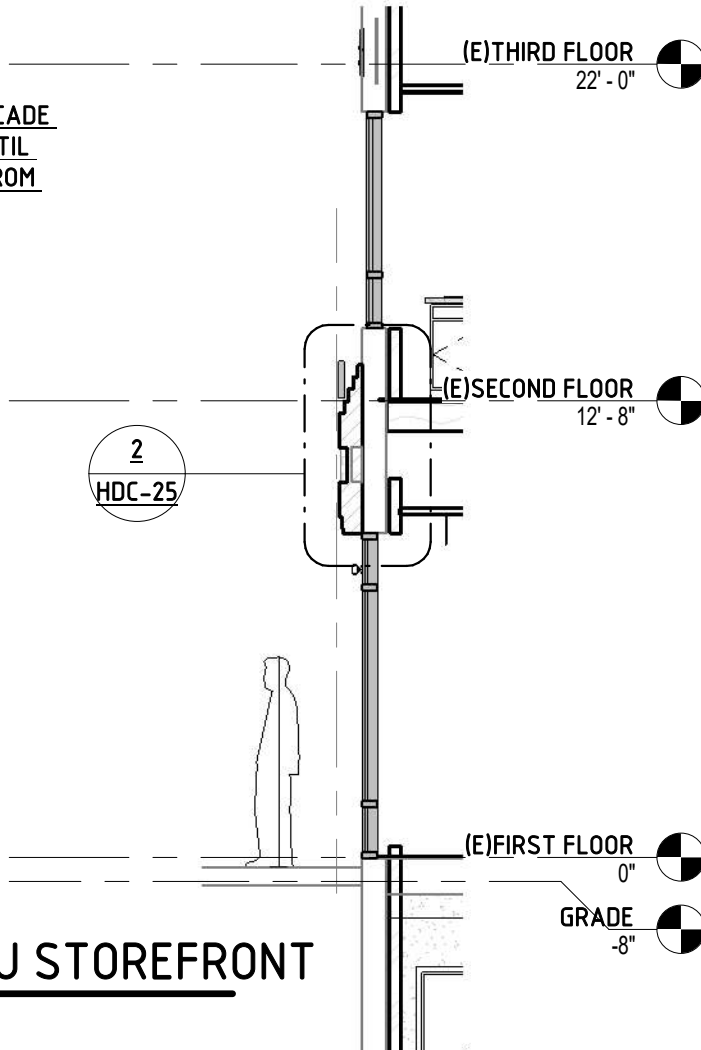
(N) STOREFRONT

EXTERIOR

# FIRST FLOOR PLAN - STOREFRONT

1/8" = 1'-0"

NOTE: NO WORK ON FACADE SHALL BE STARTED UNTIL WRITTEN APPROVAL FROM HDC IS PROVIDED.



(E) THIRD FLOOR  
22' - 0"

(E) SECOND FLOOR  
12' - 8"

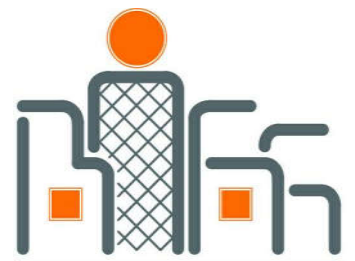
2  
HDC-25

(E) FIRST FLOOR  
0"

GRADE  
-8"

# SECTION THRU STOREFRONT

3/16" = 1'-0"



**ARCHITECTURE  
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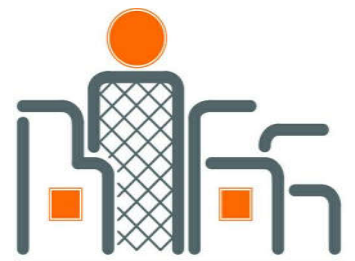
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248.886.4460

20103  
312 S. ASHLEY  
CD-25  
(N) STOREFRONT  
DETAILS  
01.28.2020  
**HDC-15**





1 (N) PERSPECTIVE

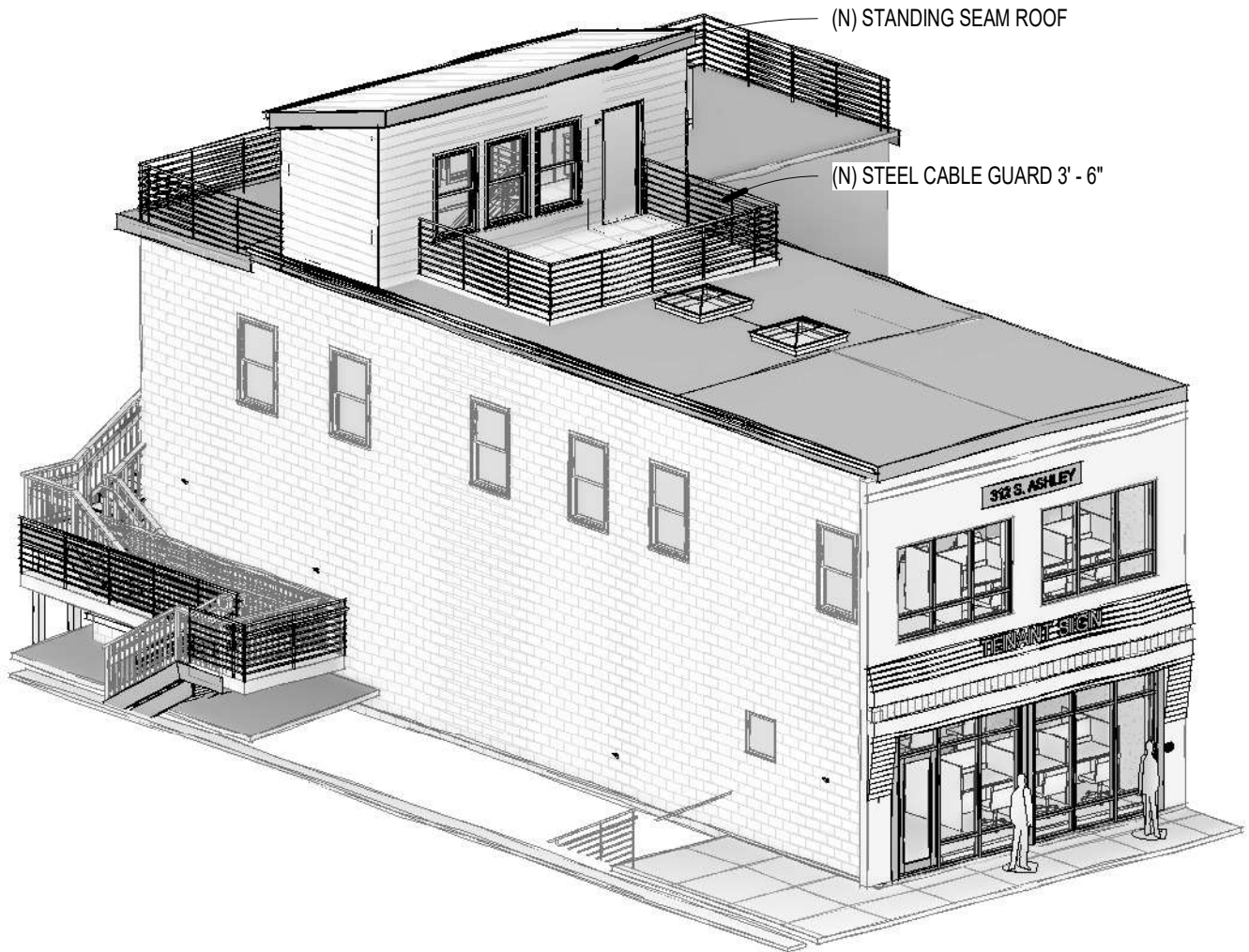


**ARCHITECTURE  
BIGGDESIGNS, LLC**

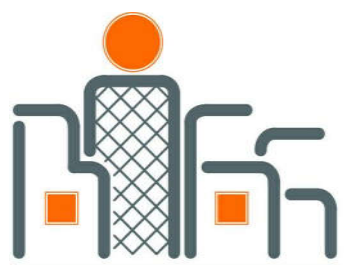
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248.886.4460

20103  
312 S. ASHLEY  
CD-25  
(N) PERSPECTIVE  
01.28.2020

**HDC-16**



1 (N) STOREFRONT PERSPECTIVE



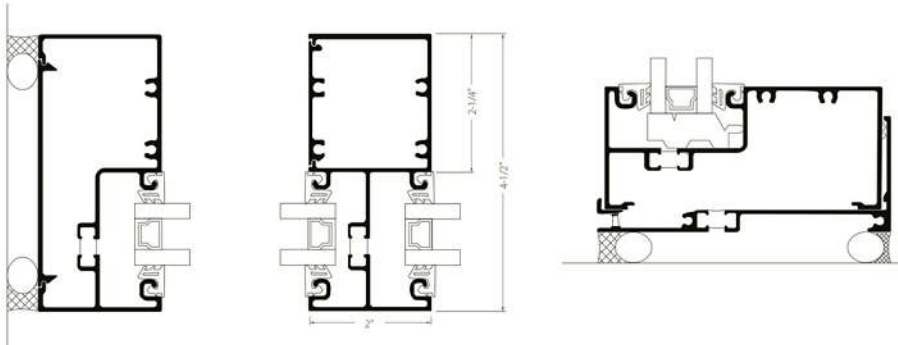
**ARCHITECTURE  
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20103  
312 S. ASHLEY  
CD-25  
(N)ISOMETRIC  
01.28.2020

**HDC-17**

## 14000 I/O Series Multiplane Storefront Framing



### System Features:

- Standard 2" (50.8mm) sight-line on verticals and horizontals
- 4-1/2" (114.3mm) system depth
- Single Pour & Debridge thermal break with Azon's Lancer® mechanical lock
- EPDM wedge type gaskets for 1" glass or panel thickness

### Optional Features:

- Screw-spline or shear block connections
- Steel reinforcing if required
- Easily integrates with standard or thermal doors, operable vent windows & sun shades
- 7 anodized and 19 painted standard finishes
- Curved Headers
- Non-thermal Framing
- In-board, Centered, or Out-board glass plane
- Silicone Glazed Vertical



### 14000 I/O Series Product Specifications

See Tubelite's Test Reports for mock up sizes and test conditions.

**Application:** Low-rise commercial buildings: retail, office, healthcare, schools, etc

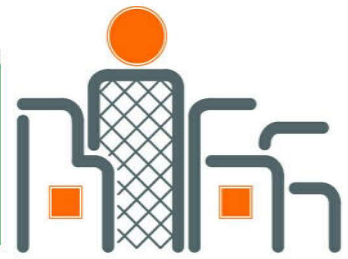
**Description:** 2" x 4-1/2" multiplane outside or inside flush glazed storefront

Face Width:	System Depth:	Glass:	Air Infiltration:	Water Infiltration:	Structural:	CRF:	U-Value:	Acoustic:
2"	4-1/2"	1" std (1/8" - 1-1/8")	0.06 CFM/Ft.2 @ 6.24 PSF	10 PSF - Inside Plane 12 PSF - Outside Plane	30 PSF - Design 45 PSF - Overload	52, 61 <sub>1</sub> - Inside Plane 67, 69 <sub>1</sub> - Outside Plane 64, 63 <sub>1</sub> - Outside Plane SSG	0.33 - Inside Plane 0.35 - Outside Plane 0.32 - Outside Plane SSG	STC 32 OITC 26

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**TUBELITE®**  
**DEPENDABLE**  
LEADERS IN ECO-EFFICIENT STOREFRONT,  
CURTAINWALL, AND ENTRANCE SYSTEMS



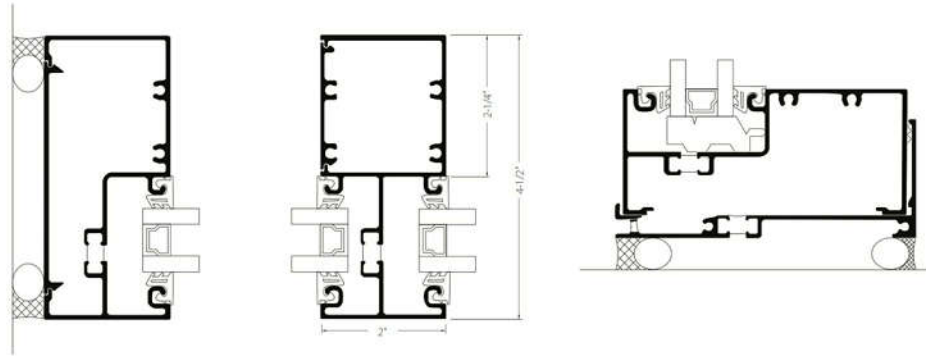
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BIGGDESIGNS, LLC**

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MILFORD, MI 48381  
BIGGDESIGNSLLC@GMAIL.COM  
248.886.4460

20103  
312 S. ASHLEY  
CD-25  
(SPECS)  
STOREFRONT  
01.28.2020  
**HDC-18**

## STOREFRONT SPECS 1

## 14000 I/O Series Multiplane Storefront Framing



### System Features:

- Standard 2" (50.8mm) sight-line on verticals and horizontals
- 4-1/2" (114.3mm) system depth
- Single Pour & Debridge thermal break with Azon's Lancer® mechanical lock
- EPDM wedge type gaskets for 1" glass or panel thickness

### Optional Features:

- Screw-spline or shear block connections
- Steel reinforcing if required
- Easily integrates with standard or thermal doors, operable vent windows & sun shades
- 7 anodized and 19 painted standard finishes
- Curved Headers
- Non-thermal Framing
- In-board, Centered, or Out-board glass plane
- Silicone Glazed Vertical



### 14000 I/O Series Product Specifications

See Tubelite's Test Reports for mock up sizes and test conditions.

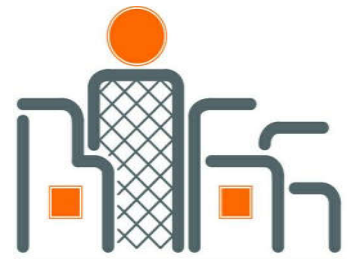
**Application:** Low-rise commercial buildings: retail, office, healthcare, schools, etc.  
**Description:** 2" x 4-1/2" multiplane outside or inside flush glazed storefront

Face Width:	System Depth:	Glass:	Air Infiltration:	Water Infiltration:	Structural:	CRF:	U-Value:	Acoustic:
2"	4-1/2"	1" std (1/8" - 1-1/8")	0.06 CFM/FL2 @ 6.24 PSF	10 PSF - Inside Plane 12 PSF - Outside Plane	30 PSF - Design 45 PSF - Overload	52, 61 <sub>o</sub> - Inside Plane 67, 69 <sub>o</sub> - Outside Plane 64, 63 <sub>o</sub> - Outside Plane SSG	0.33 - Inside Plane 0.35 - Outside Plane 0.32 - Outside Plane SSG	STC 32 OTC 26

DISCLAIMER: Tubelite takes no responsibility for product selection or application, including, but not limited to, compliance with building codes, safety codes, laws, merchantability or fitness for a particular purpose; and further disclaims all liability for the use, in whole or in part, of this Technical Guide in preparation of project specifications and/or other documents. Technical Guides are subject to change at any time, without notice, and at Tubelite's sole discretion. ©2017 Tubelite Inc.

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 CURTAINWALL AND ENTRANCE SYSTEMS



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 (SPECS)  
 STOREFRONT  
 01.28.2020  
**HDC-19**

## STOREFRONT SPECS 2



DOUBLE-HUNG

**PRODUCT SELECTION GUIDE**  
 Size and Performance Data  
 Sound Transmission Class / OITC



		Clad
<b>SIZES</b>		
Standard double-hung vent/fixed sizes		•
Transom sizes		•
Egress sizes		•
Special sizes available		•
<b>PERFORMANCE</b>		
Meets or Exceeds AAMA/WDMA Ratings		H-LC30-LC50 Hallmark Certified
Air Infiltration (cfm/ft <sup>2</sup> of frame @ 1.57 psf wind pressure) <sub>2</sub>		0.11
Water Resistance		7.5 psf
Design Pressure		30 - 50 psf
<b>OTHER PERFORMANCE CRITERIA</b>		
Forced Entry Resistance Level (Minimum Security Grade) <sub>3</sub>		10
Operating Force (lb) Initiate Motion / Maintain Motion (of Hallmark tested size and glazing) <sub>4</sub>		40/40

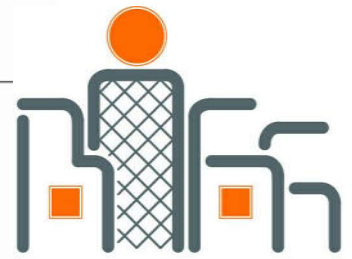
<b>SOUND TRANSMISSION CLASS AND GRADE</b>							
Product	Frame Size Tested <sub>5</sub>	Glazing System				STC Rating	OITC Rating
		Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness	Third Pane Thickness (HGP)		
PELLA 450 SERIES CLAD DOUBLE-HUNG	37" x 59"	1 1/16"	2.5mm	2.5mm	–	25	22

(-) = Not Available

- (1) Maximum performance for single unit when glazed with the appropriate glass thickness. See Design Data pages in this section for specific product performance class and grade values.
- (2) Published performance data for air infiltration is determined by testing a minimum of four (4) products of NFRC model size. Testing is conducted in accordance with ASTM E283. Air infiltration ratings for products will differ by size. The performance data does not apply to combination assemblies unless noted. Actual product performance may vary for a number of reasons including installation and product care.
- (3) The higher the level, the greater the product's ability to resist forced entry.
- (4) Glazing configurations may result in higher operational forces.
- (5) ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration.

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# WINDOWS SPECS 1



W-HG-

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**HDC-20**



DOUBLE-HUNG

## PRODUCT SELECTION GUIDE

### Features and Options



STANDARD	OPTIONS / UPGRADES
<b>GLAZING</b>	
<b>Glazing Type</b>	
Dual-Pane Insulating Glass	–
<b>Insulated Glass Options/Low-E Types</b>	
Advanced Low-E	SunDefense™ Low-E AdvancedComfort Low-E NaturalSun Low-E
<b>Additional Glass Options</b>	
Annealed Glass	Tempered Glass Obscure Glass <sub>1</sub>
<b>Gas Fill/High Altitude</b>	
Argon	High altitude (Air-filled only)
<b>EXTERIOR</b>	
EnduraClad® protective finish	–
<b>Cladding Colors</b>	
10 Standard colors <sub>1</sub>	–
<b>INTERIOR</b>	
Unfinished wood	Factory primed Factory prefinished paint <sub>1</sub> Factory prefinished stain <sub>1</sub>
<b>WOOD TYPES</b>	
Pine	–
<b>HARDWARE</b>	
<b>Finishes</b>	
Champagne, White or Brown	Matte Black, Oil Rubbed Bronze, Satin Nickel
<b>Sash Locks/Sash Lifts</b>	
Cam-action lock	Sash lifts <sub>2</sub>
<b>Tilt-Wash Cleaning</b>	
Tilt to interior on both sashes	–
<b>GRILLES</b>	
<b>Roomside Removable Grilles</b>	
–	Traditional
<b>Grilles-Between-the-Glass</b>	
–	Traditional, Prairie, Cross, Top Row <sub>1</sub> , Custom-Equally Divided
<b>Simulated Divided Light with Optional Spacer<sub>3</sub></b>	
–	Traditional, Prairie, Cross, Top Row, Custom-Equally Divided
<b>SCREENS</b>	
–	Full-Size InView™ screens and Vivid View® screens

(1) Contact your local Pella sales representative for current color options.

(2) Sold separately for Pella® 450 Series double-hung windows.

(3) Available with Low-E argon-insulated glass only.

## WINDOW SPECS 2



W+  
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**HDC-21**



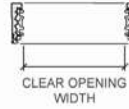
DOUBLE-HUNG

**DESIGN DATA**  
Aluminum-Clad Exterior  
Double-Hung



**VENT UNITS**

Unit	Egress	Clear Opening (Inches)		Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade <sup>1</sup>
		Width	Height			Annealed	Tempered	
2135		17-13/16	14-1/4	1.8	3.2	2.5	3	LC50
2141		17-13/16	17-1/4	2.1	3.9	2.5	3	LC50
2147		17-13/16	20-1/4	2.5	4.5	2.5	3	LC50
2153		17-13/16	23-1/4	2.9	5.2	2.5	3	LC50
2157		17-13/16	25-1/4	3.1	5.6	2.5	3	LC40/LC50
2159		17-13/16	26-1/4	3.2	5.9	2.5	3	LC40/LC50
2165		17-13/16	29-1/4	3.6	6.5	2.5	3	LC40/LC50
2171		17-13/16	32-1/4	4.0	7.2	2.5	3	LC30/LC50
2177		17-13/16	35-1/4	4.3	7.8	2.5	3	LC30
2535		21-13/16	14-1/4	2.2	4.0	2.5	3	LC50
2541		21-13/16	17-1/4	2.6	4.8	2.5	3	LC50
2547		21-13/16	20-1/4	3.1	5.7	2.5	3	LC50
2553		21-13/16	23-1/4	3.5	6.5	2.5	3	LC50
2557		21-13/16	25-1/4	3.8	7.0	2.5	3	LC40/LC50
2559		21-13/16	26-1/4	4.0	7.3	2.5	3	LC40/LC50
2565		21-13/16	29-1/4	4.4	8.2	2.5	3	LC40/LC50
2571		21-13/16	32-1/4	4.9	9.0	2.5	3	LC30/LC50
2577	E <sub>1</sub>	21-13/16	35-1/4	5.3	9.8	2.5	3	LC30
2935		25-13/16	14-1/4	2.6	4.8	2.5	3	LC50
2941		25-13/16	17-1/4	3.1	5.8	2.5	3	LC50
2947		25-13/16	20-1/4	3.6	6.8	2.5	3	LC50
2953		25-13/16	23-1/4	4.2	7.8	2.5	3	LC50
2957		25-13/16	25-1/4	4.5	8.4	2.5	3	LC40/LC50
2959		25-13/16	26-1/4	4.7	8.8	2.5	3	LC40/LC50
2965	E <sub>1</sub>	25-13/16	29-1/4	5.2	9.8	2.5	3	LC40/LC50
2971	E	25-13/16	32-1/4	5.8	10.8	2.5	3	LC30/LC50
2977	E	25-13/16	35-1/4	6.3	11.7	2.5	3	LC30
3335		29-13/16	14-1/4	3.0	5.6	2.5	3	LC50
3341		29-13/16	17-1/4	3.6	6.7	2.5	3	LC50
3347		29-13/16	20-1/4	4.2	7.9	2.5	3	LC50
3353		29-13/16	23-1/4	4.8	9.1	2.5	3	LC40/LC50
3357	E <sub>1</sub>	29-13/16	25-1/4	5.2	9.9	2.5	3	LC40/LC50
3359	E <sub>1</sub>	29-13/16	26-1/4	5.4	10.2	2.5	3	LC40/LC50
3365	E	29-13/16	29-1/4	6.1	11.4	2.5	3	LC35/LC50
3371	E	29-13/16	32-1/4	6.7	12.6	2.5	3	LC30/LC50
3377	E	29-13/16	35-1/4	7.3	13.7	2.5	3	LC30
3735		33-13/16	14-1/4	3.3	6.4	2.5	3	LC35/LC50
3741		33-13/16	17-1/4	4.1	7.7	2.5	3	LC35/LC50
3747		33-13/16	20-1/4	4.8	9.0	2.5	3	LC35/LC50
3753		33-13/16	23-1/4	5.5	10.4	2.5	3	LC35/LC50
3757	E	33-13/16	25-1/4	5.9	11.3	2.5	3	LC35/LC50
3759	E	33-13/16	26-1/4	6.2	11.7	2.5	3	LC35/LC50
3765	E	33-13/16	29-1/4	6.9	13.0	2.5	3	LC35/LC50
3771	E	33-13/16	32-1/4	7.6	14.4	2.5	3	LC30/LC50
3777	E	33-13/16	35-1/4	8.3	15.7	2.5	3	LC30
4135		37-13/16	14-1/4	3.7	6.5	2.5	3	LC30
4141		37-13/16	17-1/4	4.5	7.9	2.5	3	LC30
4147		37-13/16	20-1/4	5.3	9.2	2.5	3	LC30
4153		37-13/16	23-1/4	6.1	11.7	2.5	3	LC30
4157	E	37-13/16	25-1/4	6.6	12.7	2.5	3	LC30
4159	E	37-13/16	26-1/4	6.9	13.2	2.5	3	LC30
4165	E	37-13/16	29-1/4	7.7	14.7	2.5	3	LC30
4171	E	37-13/16	32-1/4	8.5	16.2	2.5	3	LC30
4177	E	37-13/16	35-1/4	9.2	17.6	2.5	3	LC30



Shaded portion shows vent area.

**Miscellaneous Formulas (Equal Sash Only)**

VENT UNITS	
<b>VISIBLE GLASS</b>	Width = Frame - 5" Height* = (Frame - 6-5/16") / 2
<b>ACTUAL GLASS</b>	Width = Frame - 4" Height* = (Frame - 4-5/16") / 2

**CLEAR OPENING HEIGHT:**

(Frame Height/2) - 3-1/4"

**CLEAR OPENING WIDTH:**

Frame Width - 3-3/16"

**Egress Notes:**

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E<sub>1</sub> = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

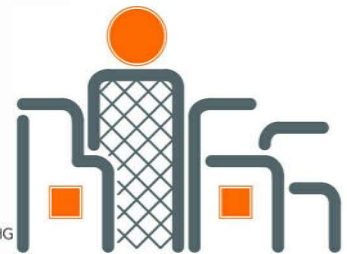
See Design Data pages in this section for clear opening dimensions.

(\*) Per Sash

(1) Maximum performance when glazed with the appropriate glass thickness. Second number, where shown, indicates performance with DP Enhancement Kit installed.

To convert area to square meters (m²), multiply square feet by 0.0929.

# WINDOW SPECS 3



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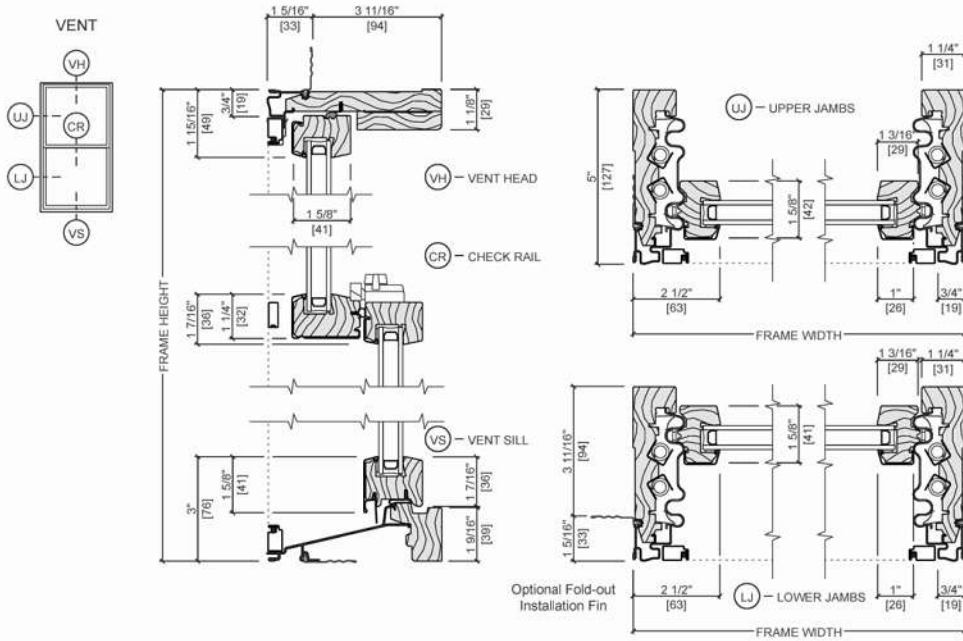
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**HDC-22**



UNIT SECTIONS  
Aluminum-Clad Exterior

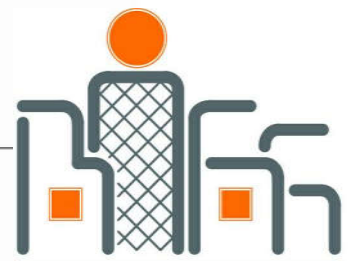


Scale 3" = 1' 0"  
All dimensions are approximate.

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# WINDOW SPECS 4

1/2" = 1'-0"



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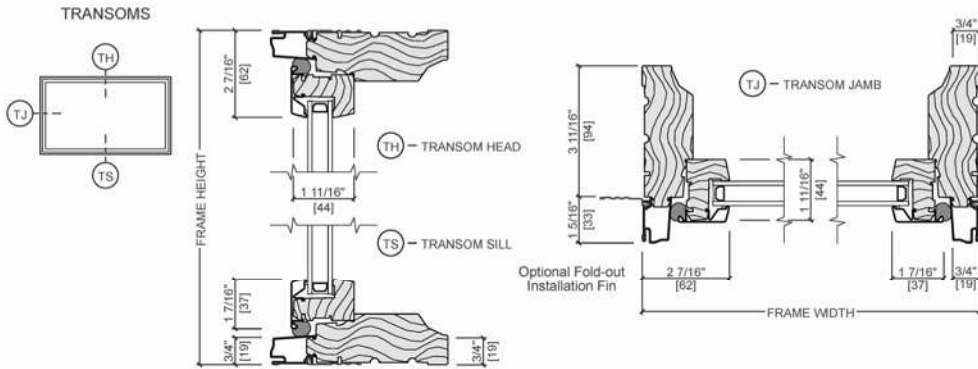
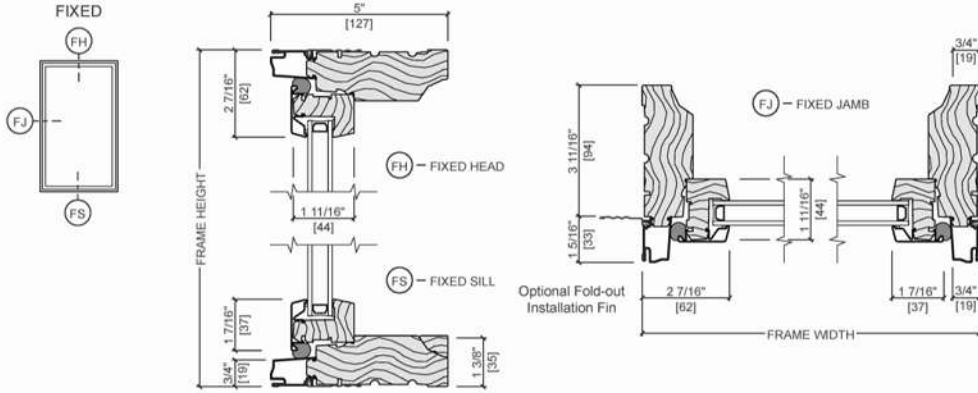
**HDC-23**



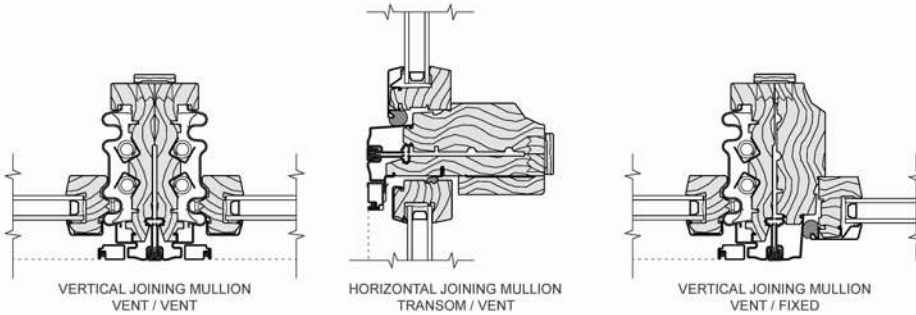


DOUBLE-HUNG

UNIT SECTIONS  
Aluminum-Clad Exterior



TYPICAL JOINING MULLIONS



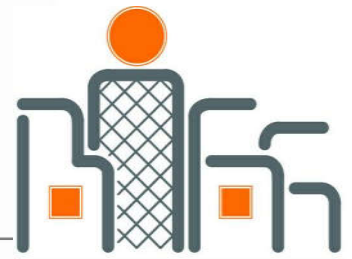
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See [www.PellaADM.com](http://www.PellaADM.com) for mullion limitations and reinforcing requirements.

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WINDOW SPECS



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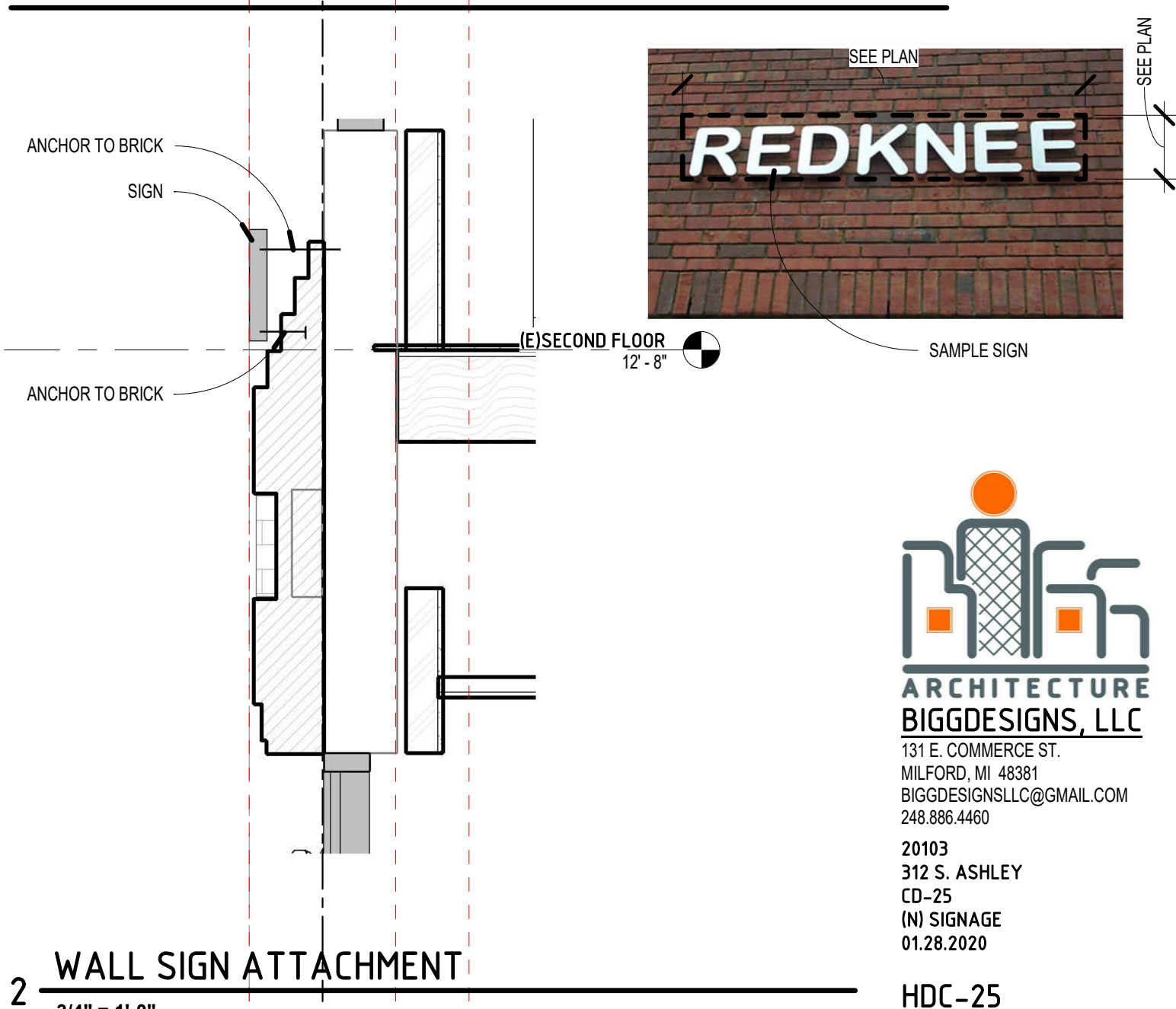
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W-HG-25



**(N)LASER CUT ADDRESS SIGN (SAMPLE)**



**2 WALL SIGN ATTACHMENT**  
3/4" = 1'-0"

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