

ANN ARBOR HISTORIC DISTRICT COMMISSION**Staff Report****ADDRESS:** 539 Fourth Street, Application Number HDC20-082**DISTRICT:** Old West Side Historic District**REPORT DATE:** June 11, 2020**REPORT PREPARED BY:** Jill Thacher, Historic Preservation Coordinator**REVIEW COMMITTEE DATE:** Monday, June 8, 2020

	OWNER	APPLICANT
Name:	Christopher Genteel	Same
Address:	539 Fourth St Ann Arbor, MI 48103	
Phone:	(646) 281-6520	

BACKGROUND: This 1 ¾ story gable-fronter first appears in the 1909 city directory as the home of Joseph Arthur Mcgrann, who worked at Varsity Laundry, and his wife Lena. It features corner eave returns, wood lap siding, wide board eave trim, and a textured block foundation. The full-width front porch was enclosed in 1931, and a variance from the Zoning Board of Appeals is on file, allowing it to encroach on the front setback. The porch had a slate roof, which was replaced with asphalt in 1962. The original rear wing was one story; there is now a second story atop it. It is not known whether the entire wing was rebuilt, or only the second floor added. The second floor is absent on the 1948 Sanborn and the builder believes it to have been constructed shortly thereafter. In 1996 the HDC approved a large rear addition behind the two-story rear wing.

LOCATION: The property is located on the east side of Fourth Street, between West Jefferson and West Madison Streets.

APPLICATION: The applicant seeks HDC approval to install a new deck and pergola, move a window on the 1996 addition and replace it with a door, and replace one modern window with two side-by-side windows of the same size.

APPLICABLE REGULATIONS:**From the Secretary of the Interior's Standards for Rehabilitation:**

- (1) The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property will be avoided.
- (10) New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

From the Secretary of the Interior's Guidelines for Rehabilitating Historic Buildings (other SOI Guidelines may also apply):

District or Neighborhood Setting

Not Recommended: Introducing new construction into historic districts that is visually incompatible or that destroys historic relationships within the setting.

Entrances and Porches

Recommended: Designing and installing additional entrances or porches on secondary elevations when required for the new use in a manner that preserves the historic character of the buildings, i.e., limiting such alteration to non-character-defining elevations.

From the Ann Arbor Historic District Design Guidelines (other guidelines may apply):

Residential Decks and Patios

Appropriate: Installing a deck in the rear of the property that is subordinate in proportion to the building.

Installing a deck that is free standing (self supporting) so that it does not damage historic materials.

Installing flooring made of wood or composite wood.

STAFF FINDINGS:

1. The proposed deck is partially behind an existing bumpout that is original to the south elevation of the house. It is in an inset created by two rear additions, the second of which was built in 1996 and extends 5' farther to the south than the bumpout. The deck is L shaped in order to wrap around two sides of a hot tub that sits at grade. The deck is 18" from grade; the hot tub is 42". The deck + hot tub are 11'8" x 10'4".
2. A simple wood pergola is proposed to match the size of the deck and hot tub. It is shown attached to the 1996 addition, the two-story rear wing, and a post at the southwest corner. It would not be attached to the historic main house block.
3. On the 1996 addition, a full-lite door is proposed leading onto the deck, and an existing window is shown shifted to the north. This would be the primary access to the deck. There is a secondary existing door from the bumpout. On the two-story wing a small modern window is proposed to be replaced with two new windows installed side-by-side.
4. All of the proposed work is within the lot's building envelope (meaning it does not encroach into the required 5' side setback). It meets zoning requirements.
5. Seven 6' arborvitae are located around the deck as screening for the view from the street and the neighbors to the south.
6. It is slightly unusual but not unprecedented for a deck to be located in the side yard

instead of the rear. Further explanation for the location is in the letter submitted by the homeowner. Staff believes this application is appropriate because the work is behind the historic main house block, approximately 60' from Fourth Street, and screened by landscaping. Further, the new door is on a modern addition and the new windows are invisible from the street. All of the work is completely reversible.

MOTION

(Note that the motion is only a suggestion. The Review Committee, consisting of staff and at least two Commissioners, will meet with the applicant on site and then make a recommendation at the meeting.)

I move that the Commission issue a certificate of appropriateness for the application at 539 Fourth Street, a contributing property in the Old West Side Historic District, to construct a deck and install a new deck and pergola, move a window on the 1996 addition and replace it with a door, and replace one modern window with two side-by-side windows of the same size. As proposed, the work is compatible in exterior design, arrangement, materials, and relationship to the house and the surrounding area and meets the *City of Ann Arbor Historic District Design Guidelines* for Residential Decks and *The Secretary of the Interior's Standards for Rehabilitation* and *Guidelines for Rehabilitating Historic Buildings*, in particular standards 1 and 10 and the guidelines for District or Neighborhood Setting and Entrances and Porches.

MOTION WORKSHEET

I move that the Commission issue a Certificate of Appropriateness for the work at 539 Fourth Street in the Old West Side Historic District

___ Provided the following condition(S) is (ARE) met: 1) STATE CONDITION(s)

The work is generally compatible with the size, scale, massing, and materials and meets the Secretary of the Interior's Standards for Rehabilitation, standard(S) number(S) (*circle all that apply*): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10



ATTACHMENTS: application, photos, drawings

539 Fourt Street, July 2019 Google Streetview



HISTORIC DISTRICT COMMISSION

PLANNING AND DEVELOPMENT SERVICES

City Hall: 301 E. Huron St. Ann Arbor, MI 48104-6120

Mailing: P.O. Box 8647, Ann Arbor, MI 48107-8647

Phone: 734.794.6265 ext. 42608

ithacher@a2gov.org

Fax: 734.994.8460

OFFICE USE ONLY	
Permit Number	HDC#
	BLDG#
DATE STAMP	

APPLICATION MUST BE FILLED OUT COMPLETELY

PROPERTY LOCATION/OWNER INFORMATION

NAME OF PROPERTY OWNER CHRISTOPHER GENTEEL		HISTORIC DISTRICT OLD WEST SIDE
PROPERTY ADDRESS 539 FOURTH STREET		CITY ANN ARBOR
ZIP CODE 48103	DAYTIME PHONE NUMBER (646) 281-6520	EMAIL ADDRESS chrisgenteel@gmail.com
PROPERTY OWNER'S ADDRESS (IF DIFFERENT FROM ABOVE)		CITY STATE, ZIP

PROPERTY OWNER'S SIGNATURE

SIGN HERE	PRINT NAME Chris Genteel	DATE 6/1/20
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APPLICANT INFORMATION

NAME OF APPLICANT (IF DIFFERENT FROM ABOVE)			
ADDRESS OF APPLICANT 539 FOURTH ST			CITY Ann Arbor
STATE MI	ZIP CODE 48103	PHONE / CELL # 1646 281-6520	FAX No () N/A
EMAIL ADDRESS			

APPLICANT'S SIGNATURE (if different from Property Owner)

SIGN HERE	PRINT NAME X	DATE
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BUILDING USE - CHECK ALL THAT APPLY

<input checked="" type="checkbox"/> SINGLE FAMILY	<input type="checkbox"/> DUPLEX	<input type="checkbox"/> RENTAL	<input type="checkbox"/> MULTIPLE FAMILY	<input type="checkbox"/> COMMERCIAL	<input type="checkbox"/> INSTITUTIONAL
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PROPOSED WORK

Describe in detail each proposed exterior alteration, improvement and/or repair (use additional paper, if necessary).

Please see detailed attached letter.

DESCRIBE CONDITIONS THAT JUSTIFY THE PROPOSED CHANGES:

Please see detailed attached letter.

For Further Assistance With Required Attachments, please visit www.a2gov.org/hdc



HISTORIC DISTRICT COMMISSION APPLICATION

FEE CHART

DESCRIPTION	
STAFF REVIEW FEES	
Application for Staff Approval	\$35.00
Work started without approvals	Additional \$50.00
HISTORIC DISTRICT COMMISSION FEES	
All other proposed work not listed below	\$100.00
Work started without approvals	Additional \$250.00
RESIDENTIAL – Single and 2-story Structure	
Addition: single story	\$300.00
Addition: taller than single story	\$550.00
New Structure - Accessory	\$100.00
New Structure – Principal	\$850.00
Replacement of single and 2-family window(s)	\$100 + \$25/window
COMMERCIAL – includes multi-family (3 or more unit) structures	
Additions	\$700.00
Replacement of multi-family and commercial window (s)	\$100 + \$50/window
Replacement of commercial storefront	\$250.00
DEMOLITION and RELOCATION	
Demolition of a contributing structure	\$1000.0
Demolition of a non-contributing structure	\$250.00
Relocation of a contributing structure	\$750.00
Relocation of a non-contributing structure	\$250.00

FOR COMMISSION REVIEWS:

- Application withdrawals made before public notice is published will qualify for a 50% refund of the application fee.
- Application withdrawals made after public notice is sent but before the public hearing will qualify for a 25% refund of the application fee.

INSTRUCTIONS FOR SUBMITTING APPLICATIONS

All HDC applications must be signed by the property owner and the applicant, if different, with the exception of staff approvals, which may be signed by only the applicant.

All completed HDC applications and their attachments may be submitted to Planning and Development Services by mail, in person (paper or digital), faxed, or via email to building@a2gov.org.

We accept CASH, CHECK, and all major credit cards. Checks should be made payable to "City of Ann Arbor"

HDC applications that are incomplete or not submitted with the required documentation or payment will not be processed or approved.

APPLICATION EXPIRATION

HDC applications expire three (3) years after the date of approval.

OFFICE USE ONLY

Date of Hearing:		
Action	<input type="checkbox"/> HDC COA	<input type="checkbox"/> HDC Denial
	<input type="checkbox"/> HDC NTP	<input type="checkbox"/> Staff COA
Staff Signature		
Comments		
Fee:	\$ _____	
Payment Type	<input type="checkbox"/> Check: # _____ <input type="checkbox"/> Cash <input type="checkbox"/> Credit Card	

Chris Genteel

539 Fourth Street Ann Arbor, MI 48103 | (646) 281-6520 | chrisgenteel@gmail.com

June 1, 2020

Old West Side Historic District Commission
301 E. Huron St.
Ann Arbor, MI 48104-6120

Re: Application for side porch

Dear Commissioners:

I am submitting this application for review of our proposed forthcoming property improvement to our house on the Old West Side, for your consideration. My wife Dara and I are 12-year residents of the OWS, including almost 9 years in our home at 539 Fourth Street.

Proposed work:

We are proposing to add a low porch to the nook in our house in the side yard, created by a 1990s addition, fully concealed from street view by landscaping. We plan to build a spa/hot tub into this porch, sunk into the ground so as to be as low as possible. The porch would be accessible to the house via a new door off our master bathroom which would replace an existing window in the 1990s addition. In the process we would replace an existing window off the kitchen to create a larger window, and add one small window on the 1990s addition. A pergola would cover the area. No changes would be made to the original house.

Conditions that justify the proposed changes:

Why the need for a hot tub/spa? The use of a spa has become medically necessary. We have spoken directly with Jill Thacher about this.

Why the side yard? The side yard is adjacent to the master bathroom. From bed to deck it is approximately 20' feet, a quick walk. Our back yard is far away on the sub-level: you can get to it by walking down 8 steps in our side yard, or through our back basement back door. From bed to bath it is approximately 67 feet and one storey away; over 3 times further away than to the side door. This distance would be a challenge especially in the winter when icy steps are a concern.

Maintaining the architectural character of the building:

We have taken pains to design a structure that will maintain the architectural character of the building. The entire porch will be built into the U-shaped nook in our house and obscured from the street by planned landscaping, and as a result much of the space in question being not visible from the street. We will be using high quality wood materials. We will be building lush to the existing rear addition so this does not extend farther out into the sideyard. We will be far short of the 3' zoning side setback.

Finally, we are engaging neighborhood resident-owned Maker Design Build who have demonstrated care and attention to our needs and concerns of the Old West Side Historic Commission, and ours as OWS residents.

We are submitting this application for your consideration, with thanks in advance. I can be reached anytime at the number or email above.

Sincerely,

A handwritten signature in black ink, appearing to read 'CDM', with a long horizontal flourish extending to the right.

Chris Genteel & Dara Moses



BUILDER: STEVEN BUSCH
LIC. 262000010

HOME OWNERS: DARA MOSES
CHRIS GENTEEL

ADDRESS: 539 FOURTH ST.

JUNE 1, 2020

539 FOURTH ST.

DARA MOSES & CHRIS GENTEEL

SMALL SIDE DECK W/HOTTUB

REPLACE EXISTING WINDOW

W/2 ANDERSEN 400 SERIES

TW 2432 2'5 7/8" x 3'4 7/8"

ORIGINAL HOUSE

INTERIOR

1940's ADDITION

1990's ADDITION

11'8" x 10'4" DECK

5/4" x 6" CEDAR DECKING

OVER TREATED 2x LUMBER

RELD CATE EXISTING

2'6" x 2'6" CASEMENT WINDOW

INTERIOR

HOTTUB

7' x 7' x 42"

SET AT GRADE ON COMMON CINDER BLOCK

NEW ACCESS DOOR

ANDERSEN STRAIGHT LINE 102

3' DOOR

FALL GLASS

CEDAR PASCIA TRIM

INTERIOR

EXISTING

3'4" DOOR

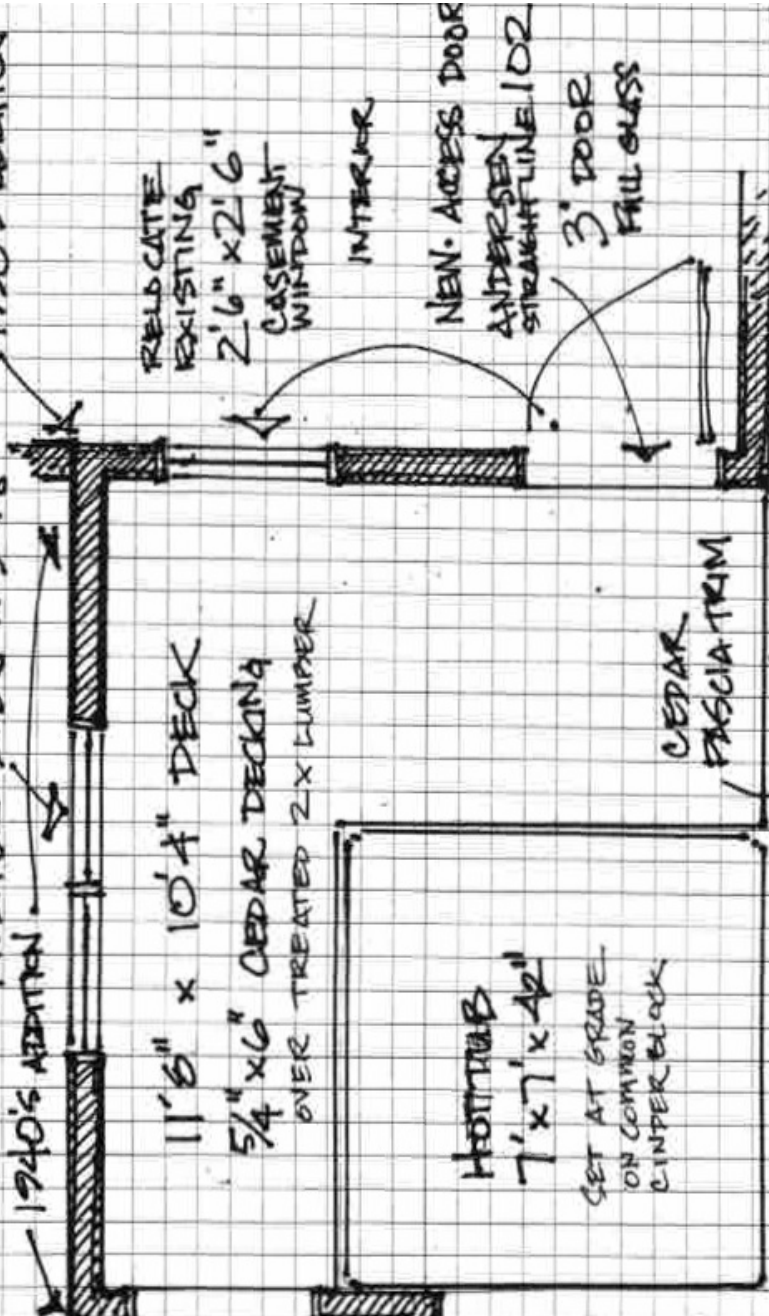
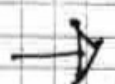
6'

ARBOKVITAE

PROPERTY LINE

8'2"

FOURTH ST. APPROX 60'

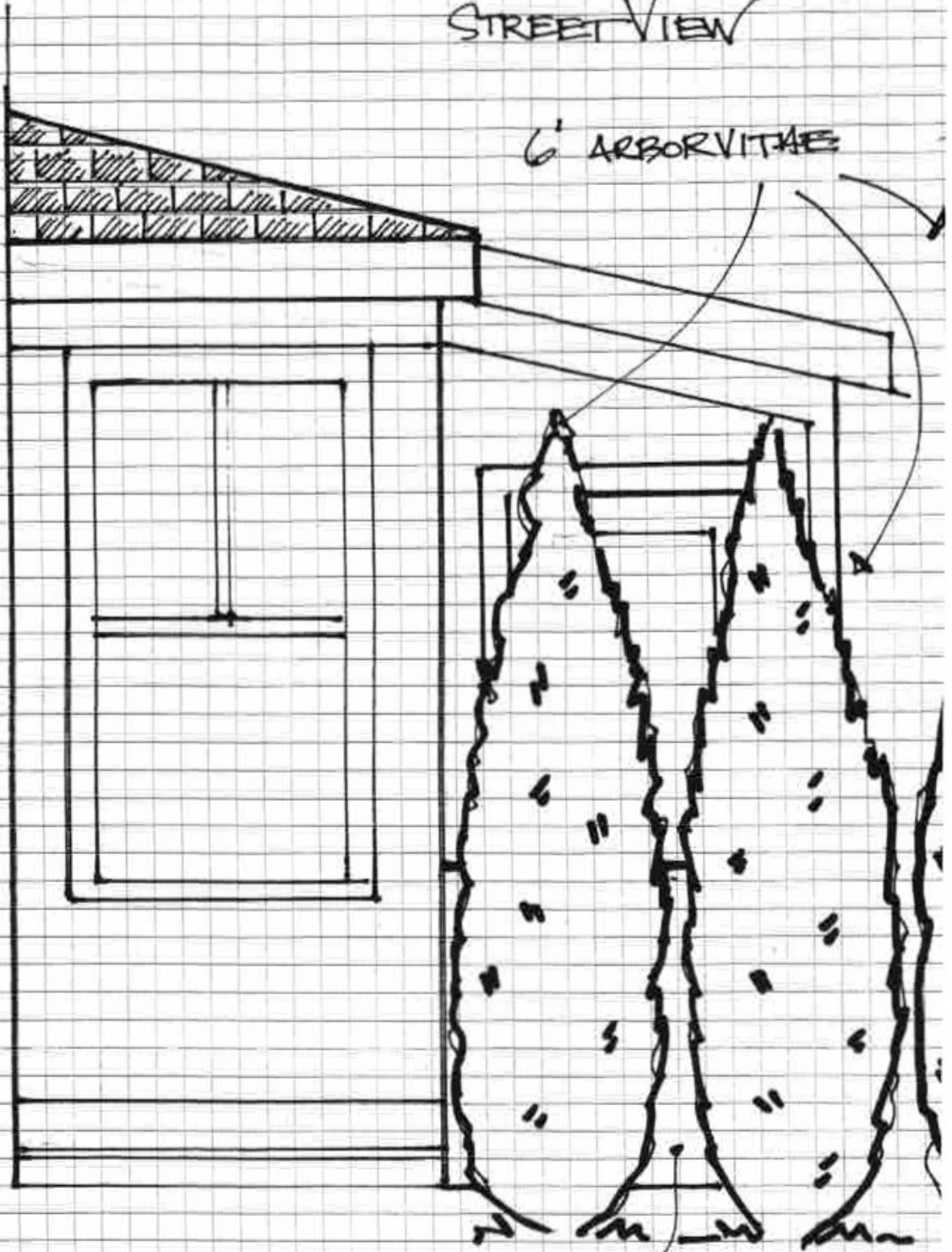


539 FOURTH ST.

0-1

STREET VIEW

6' ARBORVITAE



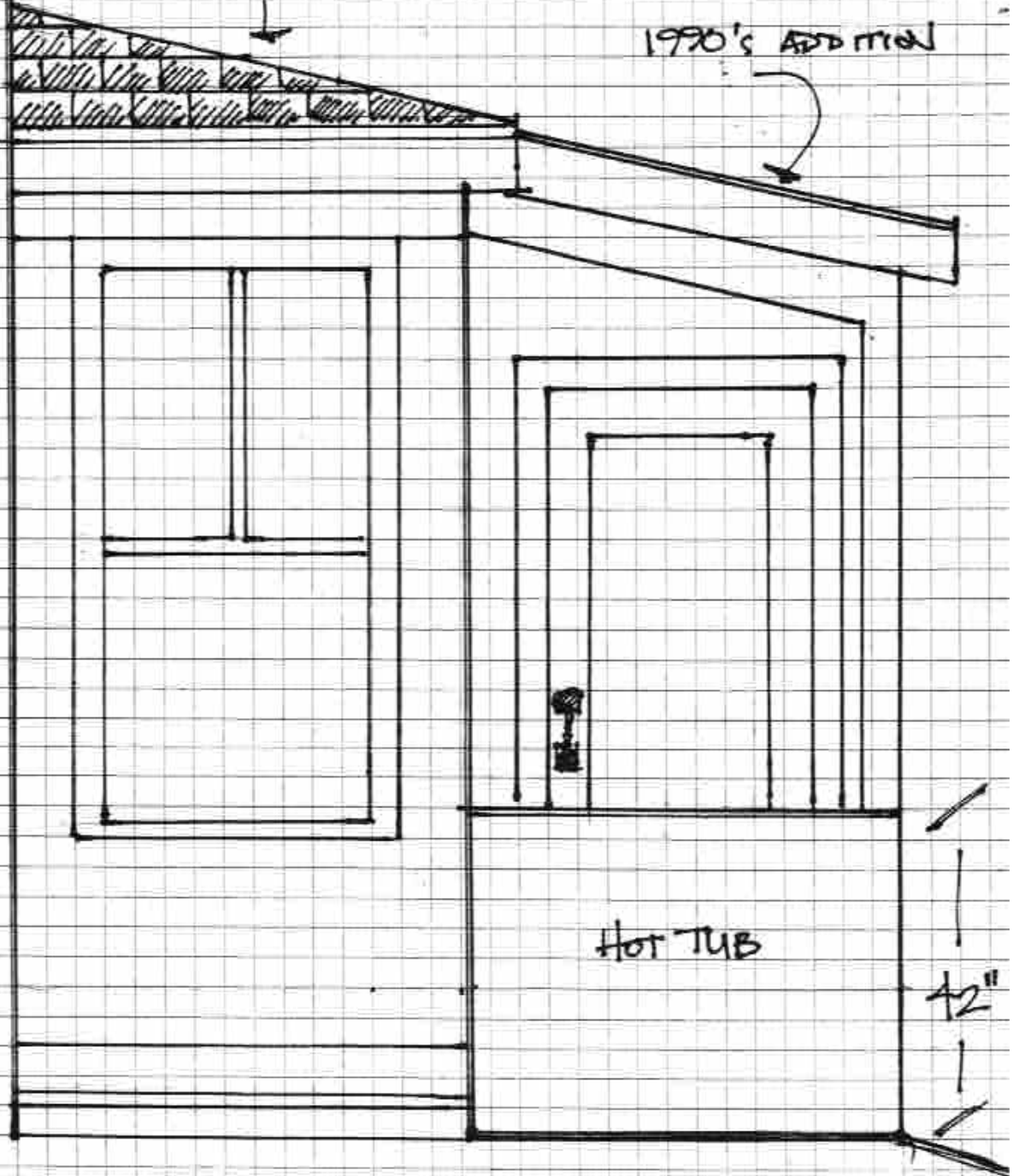
HOT TUB

539 FURST ST.

A-1

ORIGINAL HOUSE

1990's ADDITION

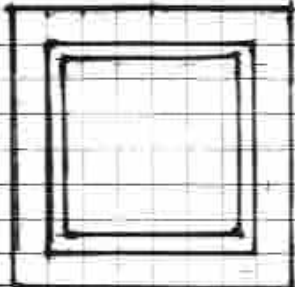


579 FOURTH ST

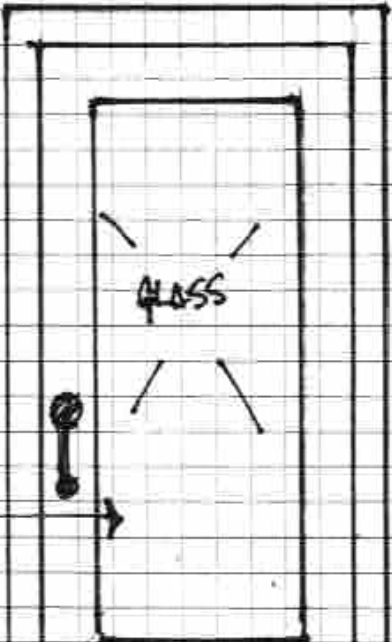
(B-1)

1990's ADDITION VIEW FROM STREET

RELOCATE
EXISTING WINDOW



ANDERSEN
STRAIGHTLINE
102
3' x 80"

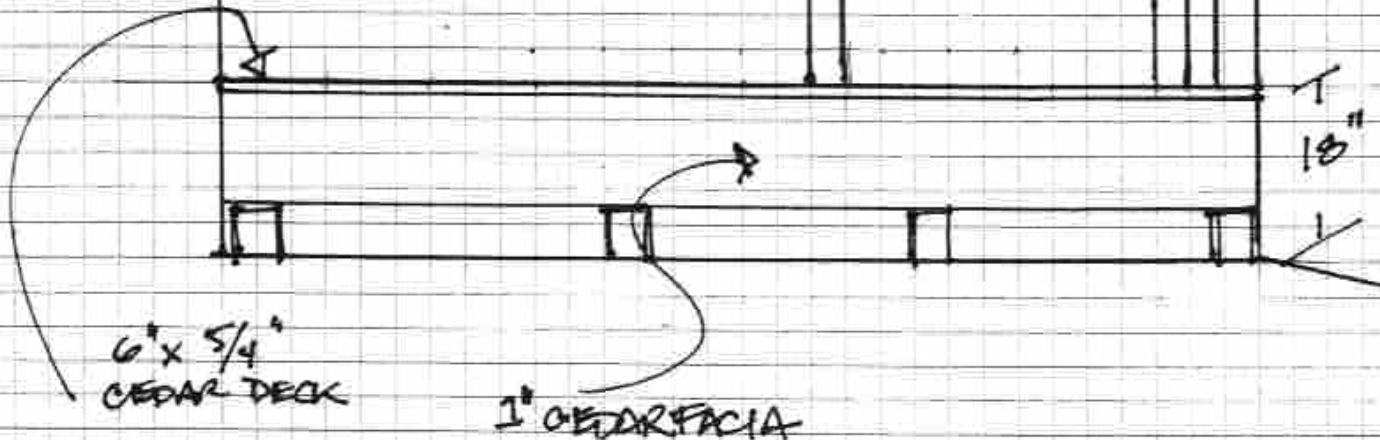


GLASS

6" x 5/4"
CEDAR DECK

1" CEDAR FACIA

18"



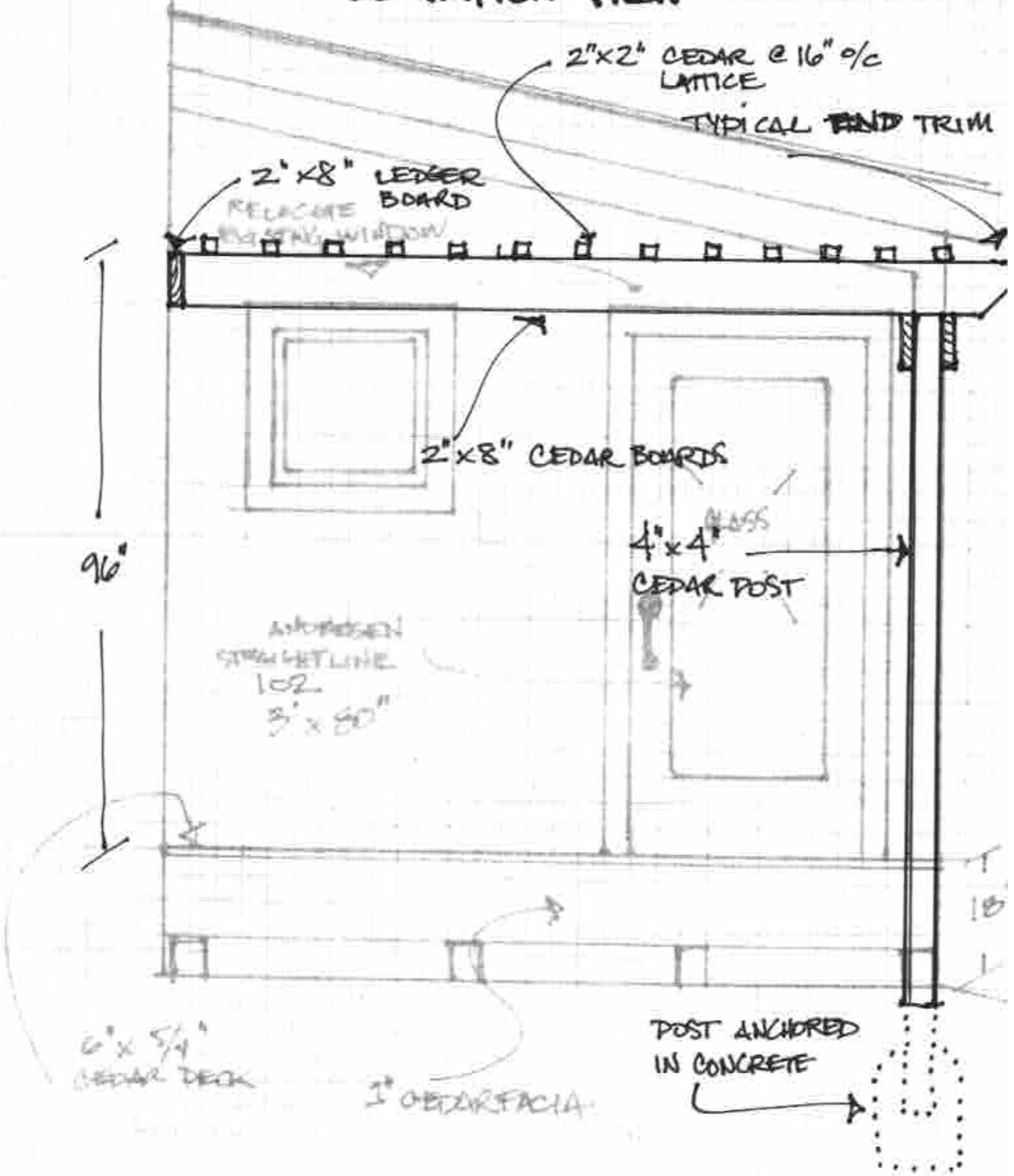
5004 FOURTH ST

(B.1)

1990'S ADDITION VIEW FROM STREET

PERGOLA DETAIL

ELEVATION VIEW



2"x2" CEDAR @ 16" o/c
LATTICE

TYPICAL END TRIM

2"x8" LEDGER BOARD

RELAXED
FRONTAL WINDOW

2"x8" CEDAR BOARDS

4"x4" CEDAR POST

ANDRESEN
STRAIGHTLINE
102
3' x 50"

96"

6' x 5/4"
CEDAR DECK

1" CEDAR FACIA

POST ANCHORED
IN CONCRETE

539 FOURTH ST.

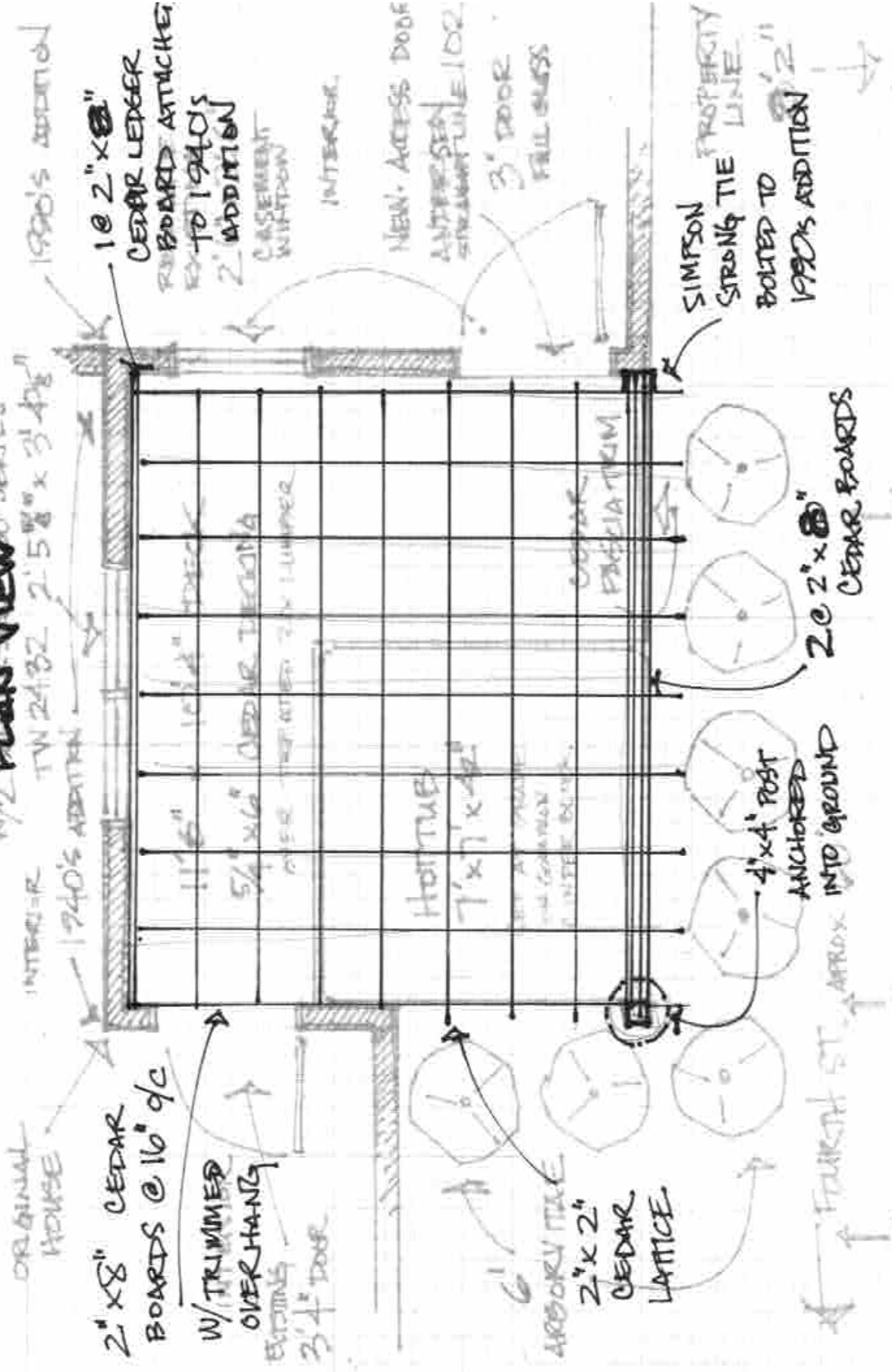
DANA HOUSE & CHRIS GENTEEL

SMALL SIDE DECK W/ HOT TUB
REPLACE EXISTING WINDOW

PERGOLA DETAIL

W/2 PLAN VIEW SERIES

TW 24/32 2' 5 7/8" x 3' 4 1/2"



2" x 8" CEDAR BOARDS @ 16" o/c

W/ TRIMMED OVERHANG EXISTING 3' 4" DOOR

ORIGINAL HOUSE

INTERIOR 1940's ADDITION

1990's ADDITION

1 @ 2" x 8" CEDAR LEDGER BOARDS ATTACHED TO 1940's 2" ADDITION

CASEMENT WINDOW

INTERIOR

NEW ACCESS DOOR

AND RE-SEEN STRUCTURE LINE 102

3" DOOR FULL GLASS

SIMPSON STRONG TIE BOLTED TO 1990's ADDITION

2 @ 2" x 8" CEDAR BOARDS

4" x 4" POST ANCHORED INTO GROUND

APPROX TILE 2" x 2" CEDAR LATTICE

APPROX FOURTH ST.



Table of Tilt-Wash Double-Hung Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-9 5/8" (549)	2'-1 5/8" (651)	2'-5 5/8" (752)	2'-7 5/8" (803)	2'-9 5/8" (854)	2'-11 5/8" (905)	3'-1 5/8" (956)	3'-5 5/8" (1057)	3'-9 5/8" (1159)
Minimum Rough Opening	1'-10 1/8" (562)	2'-2 1/8" (664)	2'-6 1/8" (765)	2'-8 1/8" (816)	2'-10 1/8" (867)	3'-0 1/8" (917)	3'-2 1/8" (968)	3'-6 1/8" (1070)	3'-10 1/8" (1172)
Unobstructed Glass (lower sash only)	15" (381)	19" (483)	23" (584)	25" (635)	27" (686)	29" (737)	31" (787)	35" (889)	39" (991)

CUSTOM WIDTHS – 21 5/8" to 45 5/8"

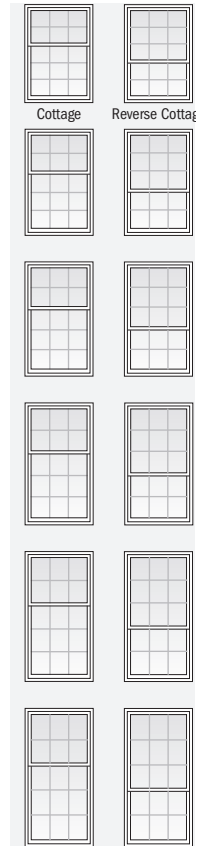
3'-0 7/8" (937)	TW18210	TW20210	TW24210	TW26210	TW28210	TW210210	TW30210	TW34210	TW38210
3'-4 7/8" (1038)	TW1832	TW2032	TW2432	TW2632	TW2832	TW21032	TW3032	TW3432	TW3832
3'-8 7/8" (1140)	TW1836	TW2036	TW2436	TW2636	TW2836	TW21036	TW3036	TW3436	TW3836
4'-0 7/8" (1241)	TW18310	TW20310	TW24310	TW26310	TW28310	TW210310	TW30310	TW34310	TW38310
4'-4 7/8" (1343)	TW1842	TW2042	TW2442	TW2642	TW2842	TW21042	TW3042	TW3442	TW3842
4'-8 7/8" (1445)	TW1846	TW2046	TW2446	TW2646	TW2846	TW21046	TW3046 [◊]	TW3446 [◊]	TW3846 [◊]
5'-0 7/8" (1546)	TW18410	TW20410	TW24410	TW26410	TW28410	TW210410 [◊]	TW30410 [◊]	TW34410 [◊]	TW38410 [◊]
5'-4 7/8" (1648)	TW1852	TW2052	TW2452	TW2652	TW2852 [◊]	TW21052 [◊]	TW3052 [◊]	TW3452 [◊]	TW3852 [◊]
5'-8 7/8" (1749)	TW1856	TW2056	TW2456	TW2656 [◊]	TW2856 [◊]	TW21056 [◊]	TW3056 [◊]	TW3456 [◊]	TW3856 [◊]
6'-0 7/8" (1851)	TW18510	TW20510	TW24510 [◊]	TW26510 [◊]	TW28510 [◊]	TW210510 [◊]	TW30510 [◊]	TW34510 [◊]	TW38510 [◊]
6'-4 7/8" (1953)	TW1862	TW2062	TW2462 [◊]	TW2662 [◊]	TW2862 [◊]	TW21062 [◊]	TW3062 [◊]	TW3462 [◊]	TW3862 [◊]

CUSTOM HEIGHTS – 36 7/8" to 92 7/8"



Custom-size windows are available in 1/8" (3) increments

Cottage or reverse cottage sash ratio available for these heights in all widths. Size tables for cottage or reverse cottage sash are available at andersenwindows.com.



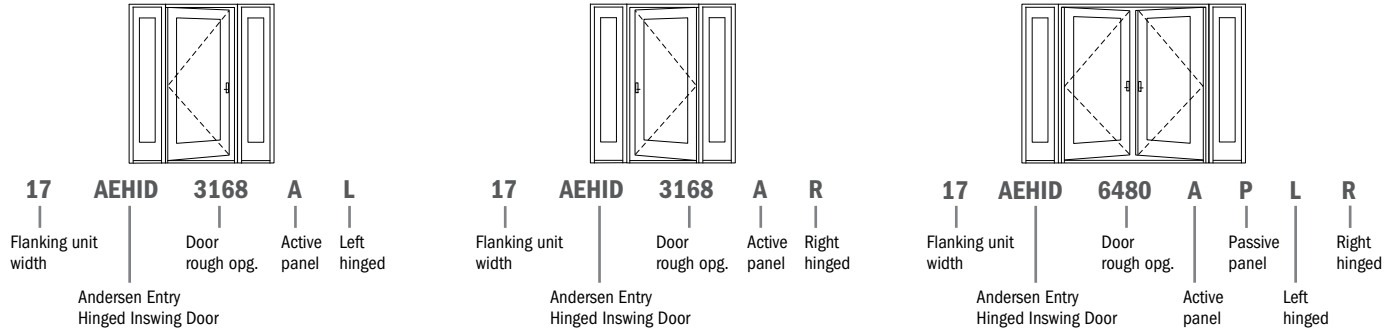
- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.
- Dimensions in parentheses are in millimeters.
- ◊ Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

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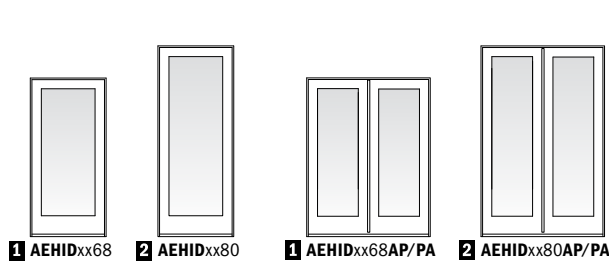
RESIDENTIAL ENTRY DOORS

Rectangular Entry Door Order Designation Description

Viewed from the exterior.



Inswing entry doors (AEHID) shown above, for outswing entry doors use AEOD. Outswing entry doors open outward to the exterior.



Custom-size doors are available in 1/8" (3) increments.

Available in custom designed panels. Stationary doors are also available (i.e. AEHID2068S or AEHID4068SS).

Rectangular Inswing Entry Door Dimensions and Specifications

Door Number	Number of Panels Open*	Door Dimensions		Min. Rough Opening		Clear Opening Sq. Ft./ (m ²)	Clear Opening Maximums			Vent Sq. Ft./ (m ²)	Overall Door Area Sq. Ft./ (m ²)
		Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)		90° Width Inches/(mm)	Full Width Inches/(mm)	Height Inches/(mm)		
AEHID2068	1	25 11/16" (652)	82" (2083)	26 3/16" (665)	82 1/2" (2096)	12.56 (1.17)	20 13/16" (529)	22 7/8" (581)	79 1/16" (2008)	12.56 (1.17)	14.63 (1.36)
AEHID2668	1	31 11/16" (805)	82" (2083)	32 3/16" (818)	82 1/2" (2096)	15.85 (1.47)	26 13/16" (681)	28 7/8" (733)	79 1/16" (2008)	15.85 (1.47)	18.04 (1.68)
AEHID2868	1	33 11/16" (856)	82" (2083)	34 3/16" (868)	82 1/2" (2096)	16.95 (1.57)	28 13/16" (732)	30 7/8" (784)	79 1/16" (2008)	16.95 (1.57)	19.18 (1.78)
AEHID3068	1	37 11/16" (957)	82" (2083)	38 3/16" (970)	82 1/2" (2096)	19.15 (1.78)	32 13/16" (833)	34 7/8" (886)	79 1/16" (2008)	19.15 (1.78)	21.46 (1.99)
AEHID3668	1	43 11/16" (1110)	82" (2083)	44 3/16" (1122)	82 1/2" (2096)	22.44 (2.08)	38 13/16" (986)	40 7/8" (1038)	79 1/16" (2008)	22.44 (2.08)	24.88 (2.31)
AEHID2080	1	25 11/16" (652)	95" (2413)	26 3/16" (665)	95 1/2" (2426)	14.62 (1.36)	20 13/16" (529)	22 7/8" (581)	92 1/16" (2338)	14.62 (1.36)	16.95 (1.57)
AEHID2680	1	31 11/16" (805)	95" (2413)	32 3/16" (818)	95 1/2" (2426)	18.46 (1.71)	26 13/16" (681)	28 7/8" (733)	92 1/16" (2338)	18.46 (1.71)	20.90 (1.94)
AEHID2880	1	33 11/16" (856)	95" (2413)	34 3/16" (868)	95 1/2" (2426)	19.74 (1.83)	28 13/16" (732)	30 7/8" (784)	92 1/16" (2338)	19.74 (1.83)	22.22 (2.06)
AEHID3080	1	37 11/16" (957)	95" (2413)	38 3/16" (970)	95 1/2" (2426)	22.30 (2.07)	32 13/16" (833)	34 7/8" (886)	92 1/16" (2338)	22.30 (2.07)	24.86 (2.31)
AEHID3680	1	43 11/16" (1110)	95" (2413)	44 3/16" (1122)	95 1/2" (2426)	26.13 (2.43)	38 13/16" (986)	40 7/8" (1038)	92 1/16" (2338)	26.13 (2.43)	28.82 (2.68)
AEHID4068	2	50 3/4" (1289)	82" (2083)	51 1/4" (1302)	82 1/2" (2096)	26.32 (2.45)	43 13/16" (1113)	47 15/16" (1218)	79 1/16" (2008)	26.32 (2.45)	28.90 (2.68)
AEHID4068	1	50 3/4" (1289)	82" (2083)	51 1/4" (1302)	82 1/2" (2096)	12.59 (1.17)	20 7/8" (530)	22 15/16" (583)	79 1/16" (2008)	12.59 (1.17)	28.90 (2.68)
AEHID5068	2	62 3/4" (1594)	82" (2083)	63 1/4" (1607)	82 1/2" (2096)	32.91 (3.06)	55 13/16" (1418)	59 15/16" (1522)	79 1/16" (2008)	32.91 (3.06)	35.73 (3.32)
AEHID5068	1	62 3/4" (1594)	82" (2083)	63 1/4" (1607)	82 1/2" (2096)	15.89 (1.48)	26 7/8" (683)	28 15/16" (735)	79 1/16" (2008)	15.89 (1.48)	35.73 (3.32)
AEHID5468	2	66 3/4" (1695)	82" (2083)	67 1/4" (1708)	82 1/2" (2096)	35.10 (3.26)	59 13/16" (1519)	63 15/16" (1624)	79 1/16" (2008)	35.10 (3.26)	38.01 (3.53)
AEHID5468	1	66 3/4" (1695)	82" (2083)	67 1/4" (1708)	82 1/2" (2096)	16.99 (1.58)	28 13/16" (733)	30 15/16" (786)	79 1/16" (2008)	16.99 (1.58)	38.01 (3.53)
AEHID6068	2	74 3/4" (1899)	82" (2083)	75 1/4" (1911)	82 1/2" (2096)	39.50 (3.67)	67 13/16" (1722)	71 15/16" (1827)	79 1/16" (2008)	39.50 (3.67)	42.57 (3.95)
AEHID6068	1	74 3/4" (1899)	82" (2083)	75 1/4" (1911)	82 1/2" (2096)	19.18 (1.78)	32 7/8" (835)	34 15/16" (887)	79 1/16" (2008)	19.18 (1.78)	42.57 (3.95)
AEHID7068	2	86 3/4" (2203)	82" (2083)	87 1/4" (2216)	82 1/2" (2096)	46.09 (4.28)	79 13/16" (2027)	83 15/16" (2132)	79 1/16" (2008)	46.09 (4.28)	49.40 (4.59)
AEHID7068	1	86 3/4" (2203)	82" (2083)	87 1/4" (2216)	82 1/2" (2096)	22.48 (2.09)	38 7/8" (987)	40 15/16" (1040)	79 1/16" (2008)	22.48 (2.09)	49.40 (4.59)
AEHID4080	2	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	30.65 (2.85)	43 13/16" (1113)	47 15/16" (1218)	92 1/16" (2338)	30.65 (2.85)	33.48 (3.11)
AEHID4080	1	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	14.66 (1.36)	20 7/8" (530)	22 15/16" (583)	92 1/16" (2338)	14.66 (1.36)	33.48 (3.11)
AEHID5080	2	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	38.32 (3.56)	55 13/16" (1418)	59 15/16" (1522)	92 1/16" (2338)	38.32 (3.56)	41.40 (3.85)
AEHID5080	1	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	18.50 (1.72)	26 7/8" (683)	28 15/16" (735)	92 1/16" (2338)	18.50 (1.72)	41.40 (3.85)
AEHID5480	2	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	40.88 (3.80)	59 13/16" (1519)	63 15/16" (1624)	92 1/16" (2338)	40.88 (3.80)	44.04 (4.09)
AEHID5480	1	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	19.78 (1.84)	28 7/8" (733)	30 15/16" (786)	92 1/16" (2338)	19.78 (1.84)	44.04 (4.09)
AEHID6080	2	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	45.99 (4.27)	67 13/16" (1722)	71 15/16" (1827)	92 1/16" (2338)	45.99 (4.27)	49.31 (4.58)
AEHID6080	1	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	22.34 (2.08)	32 7/8" (835)	34 15/16" (887)	92 1/16" (2338)	22.34 (2.08)	49.31 (4.58)
AEHID7080	2	86 3/4" (2203)	95" (2413)	87 1/4" (2216)	95 1/2" (2426)	53.66 (4.99)	79 13/16" (2027)	83 15/16" (2132)	92 1/16" (2338)	53.66 (4.99)	57.23 (5.32)
AEHID7080	1	86 3/4" (2203)	95" (2413)	87 1/4" (2216)	95 1/2" (2426)	26.17 (2.43)	38 7/8" (987)	40 15/16" (1040)	92 1/16" (2338)	26.17 (2.43)	57.23 (5.32)

• "Door Dimension" always refers to outside frame to frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.
 • Dimensions in parentheses are in millimeters or square meters.
 *For two-panel patio doors with one panel open, clear opening is based on active panel being open and passive panel being closed.

Structural Wood Screws

Model No.	Screw Length	Description	Quantity per Package
SDWS22312DBBRC12	3½"	Use with STN22 hex-head washer (sold separately)	12
SDWS22312DBB-R50	3½"		50
SDWS22512DBBRC12	5½"		12
SDWS22512DBB-R50	5½"		50



Hex-Head Washer with SDWS(XX)DBB Screw

Hex-Head Washer

Model No.	Description	Quantity per Package
STN22-R8	Use with 3½" and 5½" structural wood screws (sold separately)	8
STN22-R24		24

Outdoor Accents connectors (except APVA21 and light joist hangers) require the use of the hex-head washer (STN22) with the structural wood screw.

Connector Screw

Model No.	Size	Description	Quantity per Package
SD10112DBBR50*	#10 x 1½"	For use with APVA21 light rafter tie and light joist hangers	50

*APVA21 and light joist hangers require SD10112DBB fastener. All other connectors use structural wood screws and hex-head washers.



APVA21 with SD10112DBB Screw

This hardware accommodates both nominal and rough-sawn (R) lumber.

For additional information about these products, including corrosion resistance, call (800) 999-5099 or visit strongtie.com/outdooraccents.

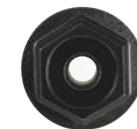
Strengthen Your Structures with Outdoor Accents® Hardware

With the Outdoor Accents Avant Collection™, a new line of decorative wood connectors and fasteners from Simpson Strong-Tie, you can combine elegant design and structural strength to your outdoor living areas. This versatile hardware accommodates nominal and rough lumber sizes, providing the flexibility you need when designing and building custom outdoor structures.

The Look of a Bolt, the Ease of a Screw

The Outdoor Accents® hex-head washer combined with the SDWS Structural Wood screw provides the decorative appearance of a bolted connection. Its patented design makes for an easier and significantly faster installation compared to through-bolting. The hex-head washer and structural wood screw are code listed (IAPMO UES ER-192) and designed specifically to fasten Outdoor Accents post bases, T and L straps, and angles, gable ends and beam hangers. (Connectors are listed in IAPMO UES ER-280.)

When the Outdoor Accents 3½" or 5½" structural wood screw is combined with the hex-head washer, the solution delivers the decorative appeal of a bolted connection with the installation ease of a screw. The structural wood screw and hex-head washer are sold separately from the Outdoor Accents connectors.



For more technical information, visit strongtie.com/outdooraccents.

Project Worksheet



Outdoor Accents® Avant Collection™



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Heavy Angles

Model No.	Connector Quantity	Structural Wood Screws (Qty.) Length	3 1/2" Screw Quantity
APVA4		(2) 3 1/2"	
APVA6		(4) 3 1/2"	



APVA4



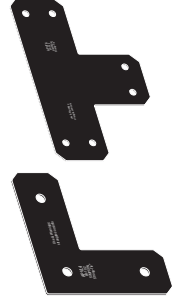
APVA6

How to Use This Worksheet

All Outdoor Accents® connectors, fasteners and washers are sold separately. In the worksheet tables, the quantity of screws and washers needed for each connector is in parentheses, except the APLH light joist hanger and APVA21 light rafter tie which only use fasteners. Multiply the connector quantity by the fastener quantity to calculate the correct number needed for installation.

Example

Model No.	Connector Quantity	Structural Wood Screws (Qty.) Length	Fastener Quantity
APVA4	4 X	(2) 3 1/2"	8
APVB66	4 X	(4) 3 1/2"	16



APVL4

APVT6



APVST412



APVST610

Gable Plates

Model No.	Connector Quantity	Structural Wood Screws (Qty.) Length	3 1/2" Screw Quantity
APVGP612		(20) 3 1/2"	
APVGP812		(20) 3 1/2"	
APVGP1212		(20) 3 1/2"	



APVGP1212

Decorative Side Plates

Model No.	Connector Quantity	Structural Wood Screws (Qty.) Length	3 1/2" Screw Quantity
APVB44DSP		(4) 3 1/2"	
APVB66DSP		(4) 3 1/2"	
APVB88DSP		(8) 3 1/2"	
APVB1010DSP		(8) 3 1/2"	

Post Bases

Model No.	Connector Quantity	Structural Wood Screws (Qty.) Length	3 1/2" Screw Quantity	Anchor	5/8" Anchor Quantity
				(Qty.) Dia.	
APVB44		(4) 3 1/2"		(1) 5/8"	
APVB44R*		(4) 3 1/2"		(1) 5/8"	
APVB66		(4) 3 1/2"		(1) 5/8"	
APVB66R*		(4) 3 1/2"		(1) 5/8"	
APVB88		(8) 3 1/2"		(2) 5/8"	
APVB88R*		(8) 3 1/2"		(2) 5/8"	
APVB1010		(8) 3 1/2"		(2) 5/8"	
APVB1010R*		(8) 3 1/2"		(2) 5/8"	
				Total 5/8" Anchor	



APVB66R



APVB66DSP
(sold in pairs)

Deck Joist Ties

Model No.	Connector Quantity	Structural Wood Screws (Qty.) Length	3 1/2" Screw Quantity	5 1/2" Screw Quantity
		Column		
APVDJT2-4		(2) 3 1/2"		
APVDJT1.75-4		(2) 3 1/2"		
APVDJT2R-4*		(2) 3 1/2"		
APVDJT2-6		(2) 3 1/2"		
APVDJT1.75-6		(2) 3 1/2"		
APVDJT2R-6*		(2) 3 1/2"		
				Total 5 1/2"



APVDJT2(R)-4



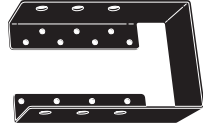
APVDJT2(R)-6

Hangers

Model No.	Connector Quantity	Structural Wood Screws (Qty.) Length	3 1/2" Screw Quantity	Connector Screw (Qty.) Length	SDS Screw (Qty.) Length	SDS 3" Quantity
APLH24		—	—	(6) 1 1/2"	—	—
APLH24R*		—	—	(6) 1 1/2"	—	—
APLH26		—	—	(10) 1 1/2"	—	—
APLH26R*		—	—	(10) 1 1/2"	—	—
APLH1.75-6		—	—	(10) 1 1/2"	—	—
APLH210		—	—	(16) 1 1/2"	—	—
APLH210R*		—	—	(16) 1 1/2"	—	—
APLH1.75-10		—	—	(16) 1 1/2"	—	—
APHH46		(2) 3 1/2"	—	—	(6) 3"	—
APHH46R*		(2) 3 1/2"	—	—	(6) 3"	—
APHH610		(6) 3 1/2"	—	—	(14) 3"	—
APHH610R*		(6) 3 1/2"	—	—	(14) 3"	—
						Total SDS 3"



APLH26R



APHH610R

Decorative Accents

Model No.	Connector Quantity	Structural Wood Screws (Qty.) Length	3 1/2" Screw Quantity	Connector Screw (Qty.) Length	#10 x 1 1/2" Quantity	APVDW56
APVDW56		(1) 3 1/2"	—	—	—	
						Total 3 1/2"
Light Rafter Tie						
Model No.	Connector Quantity	Connector Screws (Qty.) Length	#10 x 1 1/2" Quantity	APVA21		
APVA21		(2) #10 x 1 1/2"	—			
						Total #10 x 1 1/2"



APVDW56



APVA21

*Sized for rough-sawn 4-x, 6-x, 8-x and 10-x beams and posts.