Docket Item# 6 BAR CASE # 2009-0263

BAR Meeting December 16, 2009

ISSUE:	Alterations
APPLICANT:	Mada McGill
LOCATION:	102 Pommander Walk Street
ZONE:	RM/Residential

**STAFF RECOMMENDATION:** Staff recommends approval of the application with the following conditions:

- 1. That the windows and doors be constructed of wood and not aluminum clad (EnduraClad) as submitted, with final specification detail approved by Staff; and,
- 2. That the doors and windows on the second and third floors of the rear elevation be multi-light to match the existing windows.

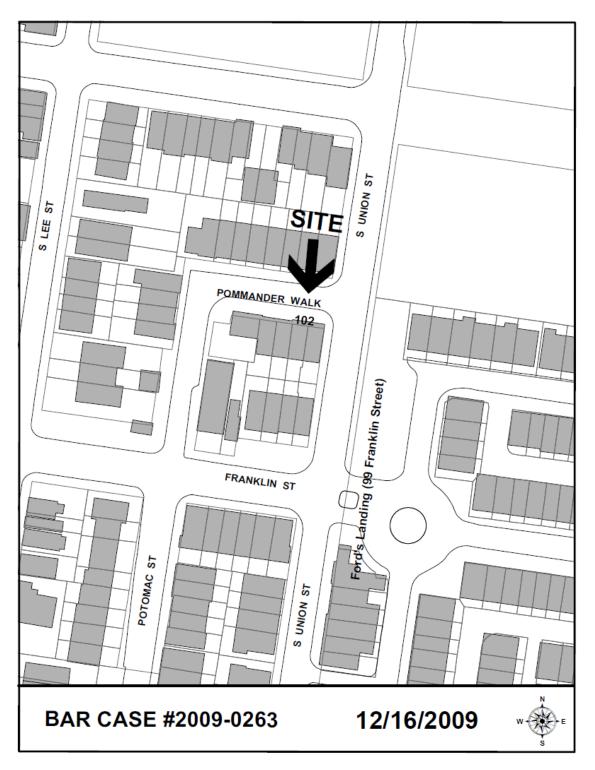
**<u>STAFF RECOMMENDATION, DECEMBER 2, 2009</u>**: Staff recommends approval of the application with the following conditions:

- 1. That the windows and doors be constructed of wood and not aluminum clad (EnduraClad) as submitted, with final specification detail approved by Staff; and,
- 2. That the doors and windows on the second and third floors of the rear elevation be multi-light to match the existing windows.

The Item was deferred from the December 2, 2009 hearing due to lack of public notice.

\*\*EXPIRATION OF APPROVALS NOTE: In accordance with Sections 10-106(B) and 10-206(B) of the Zoning Ordinance, any official Board of Architectural Review approval will expire 12 months from the date of BAR approval if the work is not commenced and diligently and substantially pursued by the end of that 12-month period.

\*\*BUILDING PERMIT NOTE: Most projects approved by the Board of Architectural Review require the issuance of one or more construction permits by Building and Fire Code Administration (<u>including signs</u>). The applicant is responsible for obtaining all necessary construction permits after receiving Board of Architectural Review approval. Contact Code Administration, Room 4200, City Hall, 703-746-4200 for further information.



# I. ISSUE:

The applicant is requesting approval of a Certificate of Appropriateness for replacement windows and doors at 102 Pommander Walk.

The applicant proposes to replace all of the windows and doors on the house, with the exception of the front door. The windows, manufactured by Pella (Architect Series), will be aluminum clad (EnduraClad), multi-light windows with 7/8 inch fixed muntins and interior spacer bars. The windows on the first and third floors will have a six-over-six configuration, while the windows on the second floor will have a six-over-nine configuration. Half screen storm windows are also proposed. The rear elevation is proposed to have two, double-hung, one-over-one windows on the third floor. The multipaned doors on the first and second floors of the rear elevation will be replaced with full light, Pella EnduraClad doors. The existing windows on the house are single-glazed, multi-paned true divided light wood windows. The windows and doors will be factory finished in white.

The existing storm door on the front elevation will remain and the security grate on the first floor window will be removed.

# II. <u>HISTORY</u>:

The three-story, painted brick townhouse at 102 Pommander Walk Street was constructed in 1971 as part of the Pommander Square subdivision. The project was approved in concept by the Board on March 31, 1971 and final details were approved on May 21, 1971. The architect for the subdivision was Henry S. Sliwka, AIA of Springfield, Virginia.

Staff could find no previous BAR approvals for 102 Pommander Walk Street. However, the Board has approved a number of alterations within this townhouse development over the years. Staff is aware of one window replacement case where a homeowner obtained administrative approval for replacement windows (101 Pommander Walk Street) and on October 1, 2008, the BAR approved replacement double-insulated wood windows at 621 Pommander Walk Street (BAR CASE #2008-0157). It appears obvious that a number of homeowners within the development have replaced their original single-glazed wood windows – there are a number of double-insulated windows throughout the development, including some with sandwich muntins and aluminum cladding.

#### III. <u>ANALYSIS</u>:

The proposed alterations comply with Zoning Ordinance requirements.

The *Design Guidelines* recommend that: "...replacement windows should be appropriate to the historic period of the architectural style of the building". The *Guidelines* also state that single-glazed, true divided light windows with interior storm sash are the preferred replacement window type. The *Guidelines* continue by saying that other acceptable window types are "double-glazed, true divided light wood windows...Windows with fixed or applied muntins have been approved for the rear elevation of a structure which has minimal visibility from a public right of way." Plastic, vinyl and metal clad windows

are strongly discouraged. Staff has no objection to the installation of double insulated, simulated divided light windows on the front and rear elevations. However, Staff believes that they should be constructed of wood and not aluminum clad, in keeping with the Colonial Revival style of the Pommander Walk development and the use of traditional building materials. Given the visibility of the second and third floor windows and doors on the rear elevation, Staff also believes that they should be multi-light like the existing windows and doors rather than single full light configuration. None of the other townhouses within the development have full light doors or one-over-one windows like those proposed by the applicant.

#### IV. <u>STAFF RECOMMENDATION</u>:

Staff recommends approval of the application with the following conditions:

- 1. That the windows and doors be constructed of wood and not aluminum clad (EnduraClad) as submitted, with final specification detail approved by Staff; and,
- 2. That the doors and windows on the second and third floors of the rear elevation be multi-light to match the existing windows.

#### STAFF:

Stephanie Sample, Historic Preservation Planner, Planning & Zoning Stephen Milone, Division Chief, Land Use Services

# V. <u>CITY DEPARTMENT COMMENTS</u>

Legend: C - code requirement R - recommendation S - suggestion F- finding

Code Administration: No comments.

# VI. <u>IMAGES</u>



Figure 1: Image of 102 Pommander Walk from Google Maps.



Figure 2: Photo of second and third floor rear elevation.

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Figure 3: Additional photos.

Falls Chu	dows & Doors esburg Pike Idylwood F rch, VA 22043 03)847-5772 Fax:	Plaza (703)847-5788	Sales Rep Name: Sales Rep Phone: Sales Rep E-Mail: Sales Rep Fax:	Moon, Tim (540) 746-3925 tmoon@kc-pella.co	m		
Customer Information	and the second	Project/Delivery Add	dress	Order Informat	tion		
Mada Mcgill 102 Pommander Walk ALEXANDRIA, VA 22314 Day Phone: (703) 3143576 Mobile Phone: Fax Number: E-Mail: madamcgill@aol.com Contact Name: Mada Mcgill Great Plains #: B5JMRP		Mcgill, Mada 102 Pommander Walk Lot # ALEXANDRIA, VA 22314 County: ALEXANDRIA (IND CITY Owner Name: Mada Mcgill Owner Phone: (703) 3143576		Quote Name: F Order Number: Quote Number: Order Type: Wall Depth: Payment Terms: Tax Code: Cust Delivery Date: Contracted Date: Booked Date: Customer PO #:	FINAL RELEASE- AQ 717B5JMRP 595136 Installed Sales 6 Mo. No Payments No Interest ALEXANVAI8 11/02/2009 6/25/2009 10/1/2009 10/19/2009		
Customer Notes: FINAL RELE, WELLS FAR Jne # Location: 10 Kitchen		MARTY lung, 33.25 X 55, Poplar W	Attributes		Item Price	Qty	Ext'd Pric
Viewed From Exterior Jugh Opening: 34" X 55.75" nal Wall Depth: 4-9/16"	1: Non-Standard Siz Frame Size: 33 1/4 General Informatio Exterior Color / Fini Giass: Insulated Lo. Hardware Options: Screen: Half Scree Grille: ILT, No, 7/8", Wrapping Informati	e Double Hung, Equal Split	Pine, None r White sh Lift , 4-9/16" Factory Applied, Perim	veter Length = 177", Glazi Qty 1	\$810.60	1	\$810.6

Figure 4: Window and door specifications.

ine # Location:	Attributes			
15 Master Bedroom	Architect, Double Hung, 33.25 X 67, Poplar White, 4-9/16"	lterr Deles	0	E did Dalas
	rashinoot, Boasie Hang, coles / or, r opiar Hinto, 4 010	S948.57	Qty3	\$2,845.71
	1: Non-Standard Size Double Hung, Cottage Split Frame Size: 33 1/4 X 67	\$940.07	3	\$2,040.71
6	General Information: Standard, Style Edition, Clad, Pine, None			
	Exterior Color / Finish: Standard EnduraClad, Poplar White Interior Color / Finish: Unfinished Interior			
	Glass: Insulated Low E Standard Argon Gas			
Viewed From Exterior	Hardware Options: Standard Lock, White, Order Sash Lift Screen: Half Screen, Standard Fiberglass			
ough Opening: 34" X 67.75"	Grille: ILT, No, 7/8", Traditional (3W2H / 3W3H)			
nal Wall Depth: 4-9/16*	Wrapping Information: Foldout Fins, Factory Applied, 4-9/16" Factory Applied, Perimeter Length = 201", Glaz	ing Pressure = 65.		
ustomer Notes: cottage style				
	PSPRIMERR02 - PRIMERR02 Prime Window w/muntin & trim 96 - 120 UI Qty 1			
ine# Location:	Attributes			
30 Office	Architect, Double Hung, 33.25 X 55, Poplar White, 4-9/16"	Item Price	Qty	Ext'd Price
0	1: Non-Standard Size Double Hung, Equal Split	\$570.26	2	\$1,140.52
	Frame Size: 33 1/4 X 55			
33	General Information: Standard, Style Edition, Clad, Pine, None Exterior Color / Finish: Standard EnduraClad, Poplar White			
U U	Interior Color / Finish: Unfinished Interior			
3325	Glass: Insulated Low E Standard Argon Gas Hardware Options: Standard Lock, White, Order Sash Lift			
Viewed From Exterior	Screen: Half Screen, Standard Fiberglass			
ough Opening: 34* X 55.75*	Grille: None, Wrapping Information: Foldout Fins, Factory Applied, 4-9/16" Factory Applied, Perimeter Length = 177", Glaz	ing Pressure = 90		
nal Wall Depth: 4-9/16"				
ustomer Notes: no grills				
	PSPRIMERR01 - PRIMERR01 Prime Window w/muntin & trim <96 UI Qty 1			
ine # Location: 40 Guest Bedroom	Attributes			
10 Coldat Debroom	Architect, Double Hung, 33.25 X 55, Poplar White, 4-9/16"	Item Price	Qty	Ext'd Price
	1: Non-Standard Size Double Hung, Equal Split	\$810.60	3	\$2,431.80
	Frame Size: 33 1/4 X 55			
°	General Information: Standard, Style Edition, Clad, Pine, None Exterior Color / Finish: Standard EnduraClad, Poplar White			
101-1	Interior Color / Finish: Unfinished Interior			
33.25	Glass: Insulated Low E Standard Argon Gas Hardware Options: Standard Lock, White, Order Sash Lift			
Viewed From Exterior	Screen: Half Screen, Standard Fiberglass			
ugh Opening: 34" X 55.75"	Grille: ILT, No, 7/8", Traditional (3W2H / 3W2H) Wrapping Information: Foldout Fins, Factory Applied, 4-9/16" Factory Applied, Perimeter Length = 177°, Glazi	na Pressure = 90		
nal Wall Depth: 4-9/16*				
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Figure 5: Window and door specifications.

ine # Location:	Attributes	No. Office			auto Hum	ber: 595136
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	Architect, Inswing Door, Architect, Inswing Door, Architect, Inswing Door White, 4-9/16"	r, 108 X 79	1.5, Popla	ar Item Price	Qty	Ext'd Price
	1: 3680 Left Inswing Door			\$5,137.52	1	\$5,137.52
	Frame Size: 36 X 79 1/2					
21, 41, 41, 71	General Information: Standard, Clad, Pine, None, Standard Sill					
	Exterior Color / Finish: Standard EnduraClad, Poplar White Interior Color / Finish: Unfinished Interior					
36 36 36	Glass: Insulated Tempered Low E Standard Argon Gas					
Viewed From Exterior	Hardware Options: Multipoint Lock, Order Handle Set, Brass Screen: No Screen					
	Grille: None.					
ugh Opening: 108-3/4" X 80-"	Vertical Mull 1: FieldMull, Standard Joining Mullion - Doors					
nal Wall Depth: 4-9/16"	2: 3680 Fixed Inswing Door Frame Size: 36 X 79 1/2					
	General Information: Standard, Clad, Pine, None, Standard Sill					
	Exterior Color / Finish: Standard EnduraClad, Poplar White					
	Interior Color / Finish: Unfinished Interior Glass: Insulated Tempered Low E Standard Argon Gas					
	Glass: Insulated Tempered Low E Standard Argon Gas Grille: None,					
	Vertical Mull 2: FieldMull, Standard Joining Mullion - Doors					
	3: 3680 Right Inswing Door Frame Size: 36 X 79 1/2					
	General Information: Standard, Clad, Pine, None, Standard Sill					
	Exterior Color / Finish: Standard EnduraClad, Poplar White					
	Interior Color / Finish: Unfinished Interior Glass: Insulated Tempered Low E Standard Argon Gas					
	Hardware Options: Multipoint Lock, Order Handle Set, Brass					
	Screen: No Screen Grille: None.					
	Wrapping Information: Foldout Fins, Factory Applied, 4-9/16" Factory Applied, Perime	ater Longth a	275" Cla	zina Bracoura - 200		
		otor congui -	. 070 , Ola	ang Pressure - 200		
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ne # Location:	s PSPRIMERR07 - PRIMERR07 SGL Door w/muntins & trim (one side)		1 1			
ne# Location:	S PSPRIMERR07 - PRIMERR07 SGL Door w/muntins & trim (one side) PSPRIMERR10 - PRIMERR10 Double Hinged Door w/muntins & trim		1 1	Item Price	Otv	Ext'd Price
ne # Location:	S PSPRIMERR07 - PRIMERR07 SGL Door w/muntins & trim (one side) PSPRIMERR10 - PRIMERR10 Double Hinged Door w/muntins & trim Attributes Architect, Inswing Door Left, 33.5 X 81.5, Poplar White, 4-9/16*		1 1	Item Price	Qty	Ext'd Price
ne # Location:	s PSPRIMERR07 - PRIMERR07 SGL Door w/muntins & trim (one side) PSPRIMERR10 - PRIMERR10 Double Hinged Door w/muntins & trim Attributes Architect, Inswing Door Left, 33.5 X 81.5, Poplar White, 4-9/16* 1: 3482 Left Inswing Door		1 1	Item Price \$1,884.14	1	Ext'd Price \$1,884.14
ne # Location:	S PSPRIMERR07 - PRIMERR07 SGL Door w/muntins & trim (one side) PSPRIMERR10 - PRIMERR10 Double Hinged Door w/muntins & trim Attributes Architect, Inswing Door Left, 33.5 X 81.5, Poplar White, 4-9/16* 1: 3482 Left Inswing Door Frame Size: 33 1/2 X 81 1/2		1 1	the second se	1	
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ne # Location:	S PSPRIMERR07 - PRIMERR07 SGL Door w/muntins & trim (one side) PSPRIMERR10 - PRIMERR10 Double Hinged Door w/muntins & trim Attributes Architect, Inswing Door Left, 33.5 X 81.5, Poplar White, 4-9/16* 1: 3482 Left Inswing Door Frame Size: 33 1/2 X 81 1/2 General Information: Standard, Clad, Pine, None, Standard Sill Exterior Color / Finish: Standard EnduraClad, Poplar White Interior Color / Finish: Standard EnduraClad, Poplar White Interior Color / Finish: Standard EnduraClad, Poplar White Interior Color / Finish: Standard EnduraClad, Poplar White		1 1	the second se	Qty1	
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ine# Location:	s PSPRIMERR07 - PRIMERR07 SGL Door w/muntins & trim (one side) PSPRIMERR10 - PRIMERR10 Double Hinged Door w/muntins & trim Attributes Architect, Inswing Door Left, 33.5 X 81.5, Poplar White, 4-9/16* 1: 3482 Left Inswing Door Frame Size: 33 1/2 X 81 1/2 General Information: Standard, Clad, Pine, None, Standard Sill Exterior Color / Finish: Unfinished Interior Glass: Insulated Tempered Low E Standard Argon Gas Hardware Options: Multipoint Lock, Order Handle Set, Brass Screen: No Screen		1	the second se	1	
Ine # Location: 55 Family Room June June June June June June June June	S PSPRIMERR07 - PRIMERR07 SGL Door w/muntins & trim (one side) PSPRIMERR10 - PRIMERR10 Double Hinged Door w/muntins & trim Attributes Architect, Inswing Door Left, 33.5 X 81.5, Poplar White, 4-9/16* 1:3482 Left Inswing Door Frame Size: 33.1/2 X 81.1/2 General Information: Standard, Clad, Pine, None, Standard Sill Exterior Color / Finish: Standard EnduraClad, Poplar White Interior Color / Finish: Standard EnduraClad, Poplar White Interior Color / Finish: Unfinished Interior Glass: Insulated Tempered Low E Standard Argon Gas Hardware Options: Multipoint Lock. Order Handle Set, Brass Screen: No Screen Grille: None.	Qty	1	\$1,884.14	1	
ine # Location: 55 Family Room	s PSPRIMERR07 - PRIMERR07 SGL Door w/muntins & trim (one side) PSPRIMERR10 - PRIMERR10 Double Hinged Door w/muntins & trim Attributes Architect, Inswing Door Left, 33.5 X 81.5, Poplar White, 4-9/16* 1: 3482 Left Inswing Door Frame Size: 33 1/2 X 81 1/2 General Information: Standard, Clad, Pine, None, Standard Sill Exterior Color / Finish: Unfinished Interior Glass: Insulated Tempered Low E Standard Argon Gas Hardware Options: Multipoint Lock, Order Handle Set, Brass Screen: No Screen	Qty	1 1 230", Gla;	\$1,884.14	1	
tio extent, no grant is Family Room Viewed From Extenior ugh Opening: 34–1/4* X 82.* al Wall Depth: 4-9/16*	S PSPRIMERR07 - PRIMERR07 SGL Door w/muntins & trim (one side) PSPRIMERR10 - PRIMERR10 Double Hinged Door w/muntins & trim Attributes Architect, Inswing Door Left, 33.5 X 81.5, Poplar White, 4-9/16* 1: 3482 Left Inswing Door Frame Size: 33 1/2 X 81 1/2 General Information: Standard, Clad, Pine, None, Standard Sill Exterior Color / Finish: Standard EnduraClad, Poplar White Interior Color / Finish: Standard, Poplar White Interior Color / Finish: Standard, Poplar White Interior Color / Finish: Standard, Poplar Vinite Wrapping Information: Foldout Finis, Factory Applied, 4-9/16' Factory Applied, Perime Wrapping Information: Foldout Finis, Factory Applied, 4-9/16' Factory Applied, Perime	Qty	1 1 230", Gla:	\$1,884.14	1	
the erickin, he grant is Family Room Family Room Viewed From Exterior ugh Opening: 34–1/4* X 82.* al Wall Depth: 4:9/16* storner Notes: no screen, no grills	S PSPRIMERR07 - PRIMERR07 SGL Door w/muntins & trim (one side) PSPRIMERR10 - PRIMERR10 Double Hinged Door w/muntins & trim Attributes Architect, Inswing Door Left, 33.5 X 81.5, Poplar White, 4-9/16* 1: 3482 Left Inswing Door Frame Size: 33 1/2 X 81 1/2 General Information: Standard, Clad, Pine, None, Standard Sill Exterior Color / Finish: Standard EnduraClad, Poplar White Interior Color / Finish: Standard, Poplar White Interior Color / Finish: Standard, Poplar White Interior Color / Finish: Standard, Poplar Vinite Wrapping Information: Foldout Finis, Factory Applied, 4-9/16' Factory Applied, Perime Wrapping Information: Foldout Finis, Factory Applied, 4-9/16' Factory Applied, Perime	Qty Qty		\$1,884.14	1	\$1,884.14

Figure 6: Window and door specifications.

		PSPRIMERR07 - PRIMERR07 SGL Door w/muntins & trim (one side) Qt	v 1		
Line #	Location:	Attributes	y ı		
70	Family Room	Architect, Inswing Door Right, 33.5 X 81.5, Poplar White, 4-9/16"			
		- A share of a realing boost ragin, bold a to ho, i opici mino, 4 or to		Qty	Ext'd Pric
		1: 3482 Right Inswing Door Frame Size: 33 1/2 X 81 1/2	\$1,00 <del>4</del> .14	1	\$1,884.1
		General Information: Standard, Clad, Pine, None, Standard Sill			
		Exterior Color / Finish: Standard EnduraClad, Poplar White Interior Color / Finish: Unfinished Interior			
		Glass: Insulated Tempered Low E Standard Argon Gas			
View	wed From Exterior	Hardware Options: Multipoint Lock, Order Handle Set, Brass Screen: No Screen			
ough C	Dpening: 341/4" X 82-"	Grille: None, Wrapping Information: Foldout Fins, Factory Applied, 4-9/16" Factory Applied, Perimeter Length	- 2207 Olaria Davida - 207		
inal Wa	all Depth: 4-9/16*	record Applied, Perimeter Length	= 250°, Glazing Pressure = 205		
ustome	er Notes: no screen, no	o onills			
	no ociocit, in	PSPRIMERR07 - PRIMERR07 SGL Door w/muntins & trim (one side) Qb	v 1		
Line #	Location:	Attributes			and a second second
75	None Assigned	RIW101 - SINGLE WINDOW	Item Price	~	E di Bi
			\$272.93	Qty 9	Ext'd Pric \$2,456.3
ine #	Location:	Attributes	\$£12.55	9	\$2,400.3
80	None Assigned	RIW142 - SINGLE PANEL DOOR AL, AR, FIX			
			Item Price	Qty	Ext'd Pric
line #	Location:	Attributes	\$309.36	3	\$928.0
85	None Assigned	RIW144 - 2 PANEL DOOR AI, IA, AF, FA		Service State	
		NIM 144 - 21 ANEL DOOK AI, IA, AF, FA	Item Price	Qty	Ext'd Pric
ine #	Location:		\$480.37	1	\$480.3
90	None Assigned	RPSET104 - INSTALL 2500 SU			- 1 H. W. M
00	Hone Hasighad	RESETTU4 - INSTALL 2000 SU	Item Price	Qty	Ext'd Pric
ine #			\$452.85	1	\$452.8
une <b>#</b> 95	Location: None Assigned	Attributes			
	Hone Assigned	RIINSTALL - * MISCELLANEOUS LABOR CHARGE *	Item Price	Qty	Ext'd Price
1			\$90.57	1	\$90.5
ine #	Location:	Attributes			100 m 1 m
100	None Assigned	0BLT5000 - Keylock, Brass, Keyed Alike	Item Price	Qty	Ext'd Price
			\$13.05	4	\$52.2
		Attributes	the second second stars of the second		- 10 - 11 - 13
ine #	Location:		THE R. P. LEWIS CO. LANSING MICH. LANSING MICH.		
ine # 105	None Assigned	RIN116 - FIELD ASSEMBLED COMPOSITE - ADD PER MULL	Item Price	Qty	Ext'd Price

Figure 7: Window and door specifications.

Location: one Assigned Location: one Assigned Location: one Assigned	Attributes 371P - Beaded Colonial 2 1/2 in - Primed Attributes 99P - Beaded Colonial 3 1/2 in - Primed Attributes		Qty 208 Qty	Ext'd Price \$0.00
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Location:		the second se	Otv	
	Attributes	\$0.00		Ext'd Price
	Attributes	30.00	96	\$0.0
one Assigned				
	1163 - Stool 5/4 x 3 1/4	Item Price	Qty	Ext'd Price
		\$0.00	32	\$0.0
Location:	Attributes			
one Assigned	1260 - Shoe-Oak 3/4 in	Item Price	Qty	Ext'd Pric
		\$0.00	20	\$0.0
Location:			12/2	
one Assigned	14S4SP - S4S Board 1x4 - primed	Item Price	Qty	Ext'd Pric
		\$0.00	24	\$0.0
Location:		a thu bear a start		
one Assigned	LUM06 - Pine #2 1x4 per lineal foot	Item Price	Qty	Ext'd Pric
		\$0.00	120	\$0.0
Location:			15 27 9	
one Assigned	LUM01 - RC 2x4x8	Item Price	Qty	Ext'd Pric
		\$0.00	10	\$0.0
Location:	• States of the state of the			
one Assigned	LUM08 - PT 2x4x8	Item Price	Qty	Ext'd Pric
		\$0.00	4	\$0.0
Location:				
one Assigned	LUM10 - PT 1x6x8	Item Price	Qty	Ext'd Pric
		\$0.00	4	\$0.0
Location:				the second
one Assigned	MISC7 - Pella Tape	Item Price	Qty	Ext'd Pric
		\$0.00	2	\$0.0
Location:		and the state of the state	Sec.	10 10 10 10 10 10 10 10 10 10 10 10 10 1
one Assigned	LUM14 - Shims - Cedar, small	Item Price	Qty	Ext'd Pric
		\$0.00	2	\$0.0
	ne Assigned coation: coa	ne Assigned 14S4SP - S4S Board 1x4 - primed  ceation: Attributes tuM06 - Pine #2 1x4 per lineal foot  ceation: Attributes tuM01 - RC 2x4x8  ceation: Attributes tuM08 - PT 2x4x8  ceation: Attributes tuM10 - PT 1x6x8  ceation: Attributes ceation: Ce	Attributes           Item Price S0.00           ocation:         Attributes           Item Price S0.00         S0.00           ocation:         Attributes           Item Price S0.00         S0.00           ocation:         Attributes           Item Price S0.00         S0.00           ocation:         Attributes           ocation:         Attributes	Attributes         Item Price s0:00       Item Price 24       Qty 30:00       24         Item Price re Assigned       Item Price 30:00       Qty 120         Decision:       Attributes       Item Price 30:00       Qty 120         Decision:       Attributes       Item Price 80:00       Qty 24         Decision:       Attributes       Item Price 80:00       Qty 20         Decision:       Attributes       Item Price 80:00       Qty 20         Decision:       Attributes       Item Price 80:00       Qty 4         Decision:       Attributes       Item Price 80:00       Qty 4         Decision:       Attributes       Item Price 80:00       Qty 4         Decision:       Attributes       Ctr       Qty 30:00       Qty 2         Decision:       Attributes       Item Price 80:00       Qty 2         Decision:       Attributes       Qty       Qty         Decision:       Attributes       Qty       Qty         Decision:       A

Figure 8: Window and door specification.

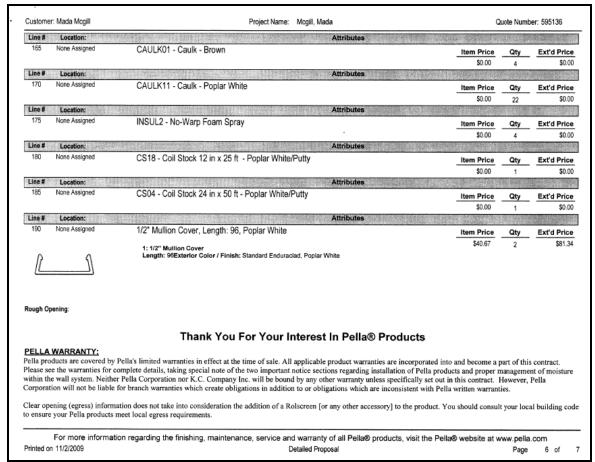


Figure 9: Window and door specification.