Alside BECAUSE LIFE IS FOR LIVING®

3773 STATE ROAD, CUYAHOGA FALLS, OH 44223

MODEL 51"i"5 / 51"i"6 / 51"i"8
EXTRUDED VINYL SLIDING PATIO DOORS
"NON-IMPACT"

ALSO DISTRIBUTED UNDER THE FOLLOWING TRADE NAMES:

ASSOCIATED MATERIALS, INC.
GENTEK BUILDING PRODUCTS
REVERE BUILDING PRODUCTS

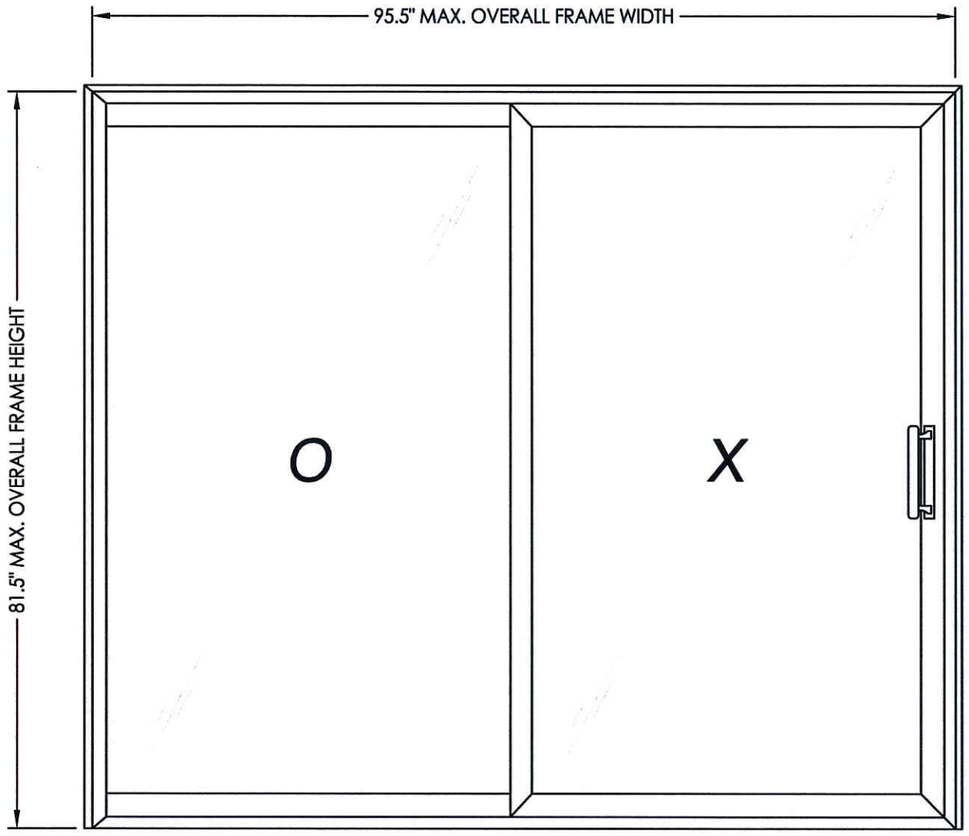
EVALUATED FOR USE IN THE STATE OF TEXAS

The Sliding Glass Door system described herein complies with the 2006 International Residential Code (IRC), Sections R301 & R613 and the 2006 International Building Code (IBC), Sections 1405.12, 1609, 1714.5, 2403 and 2404 (including Texas revisions) subject to the following conditions:

1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. When used in areas requiring wind-borne debris protection this product is required to be protected with an impact resistant covering that complies with Section R301.2.1.2 of the IRC and Section 1609.1.2 of the IBC.
3. Allowable design pressure requirements must be equal to or less than the design pressure rating shown in the design pressure chart, sheet 1 of this drawing.
4. Conditions not covered by this drawing are subject to further engineering analysis.

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal & vertical cross sections
3	Frame anchoring
4	Bill of materials, glazing detail & components



OVERALL FRAME DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
96.50" x 81.50"	48.5" x 78.38"	43.75" x 73.75"	G1	+50.0	-50.0

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
7-2-12

Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: EXTRUDED VINYL SLIDING PATIO DOORS

PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	BY

REVISIONS

DATE: 7/25/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4201
SHEET 1 OF 4

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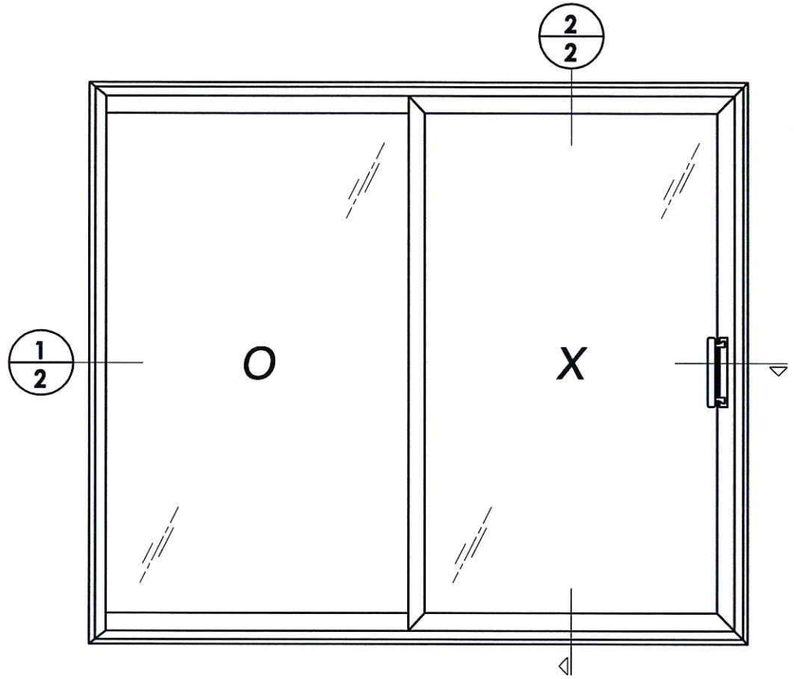
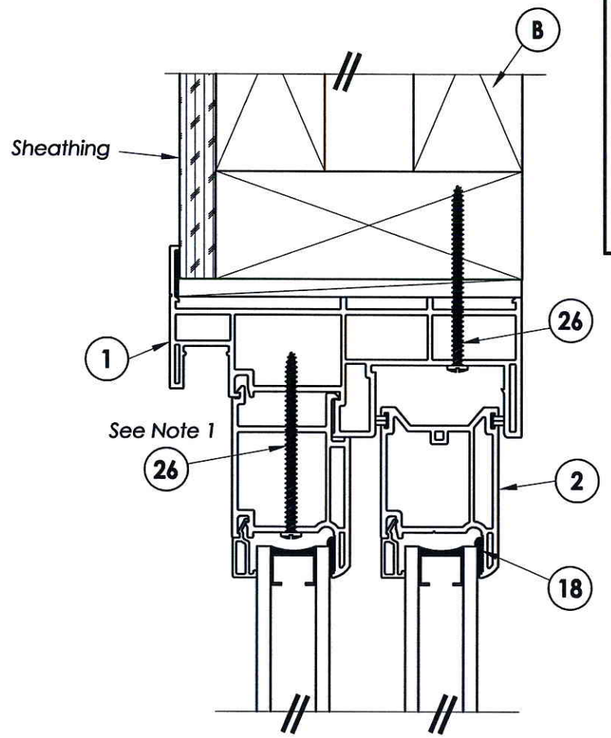
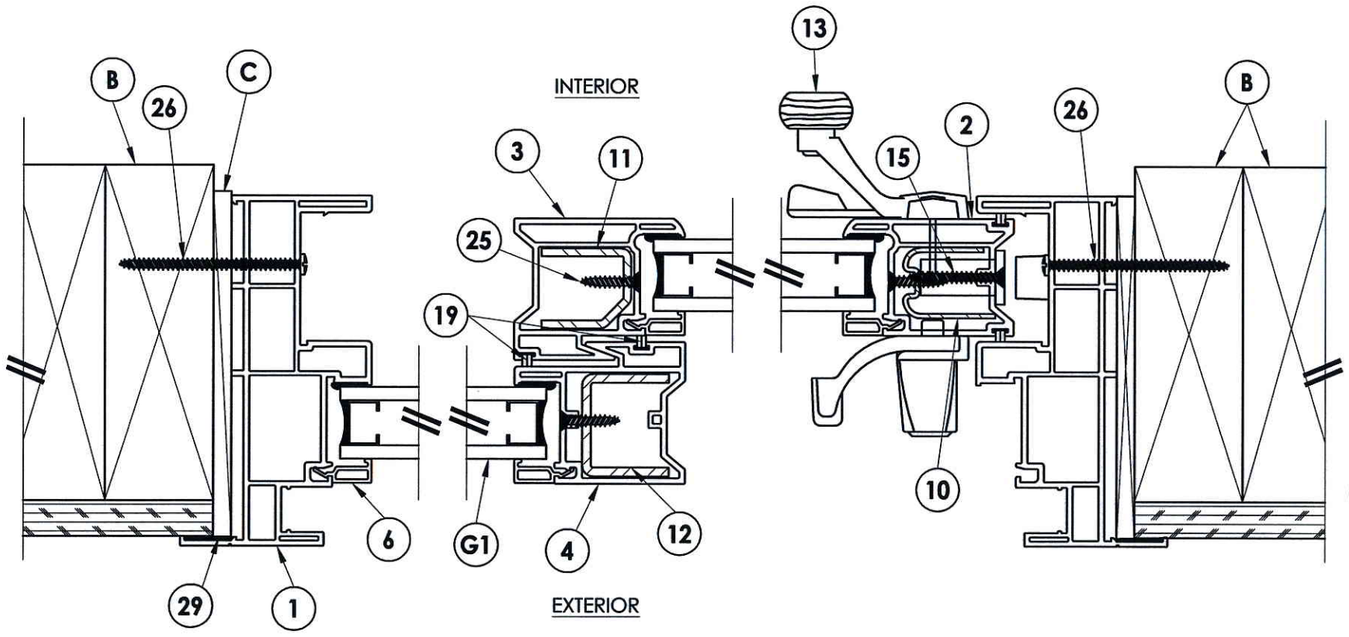
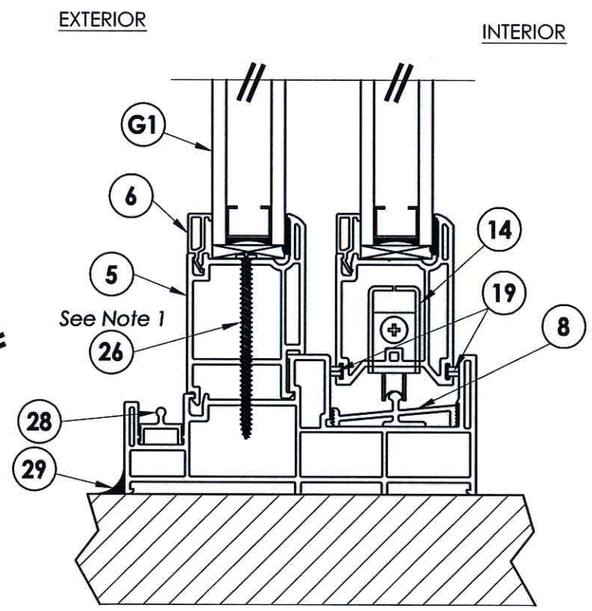


NOTE:
1. Fixed stile secured to frame with 2 screws at each end.





1/2 HORIZONTAL CROSS SECTION



2/2 VERTICAL CROSS SECTION

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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: EXTRUDED VINYL SLIDING PATIO DOORS

PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 7/25/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4201
SHEET 2 OF 4

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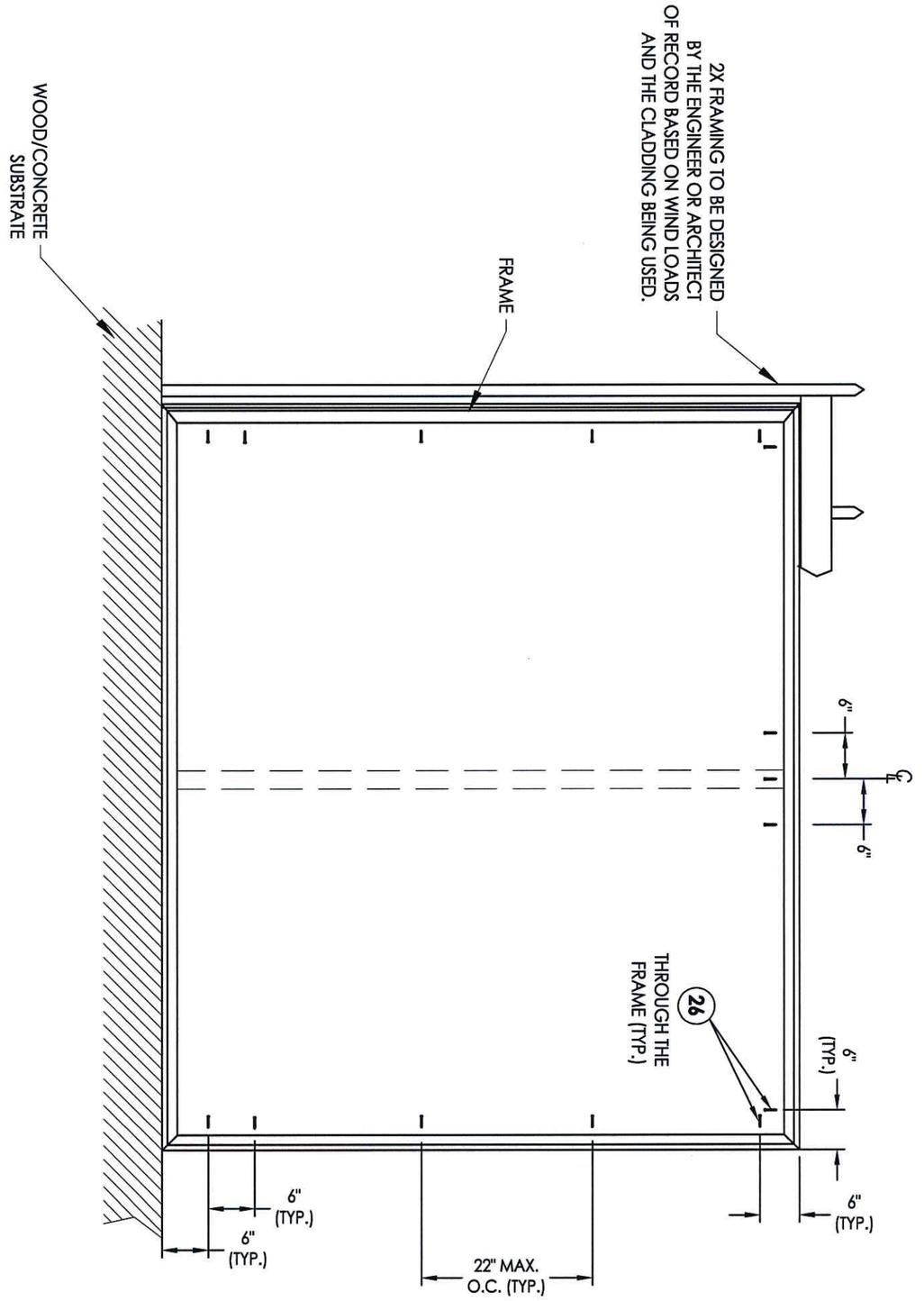

FRAME ANCHORING
2X STUD

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
8-2-12

DATE:	7/25/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4201
SHEET	3 OF 4

NO.	DATE		BY

REVISIONS

PRODUCT:
EXTRUDED VINYL SLIDING PATIO DOORS

PART OR ASSEMBLY:
FRAME ANCHORING

Documents Prepared By: Lyndon F. Schmidt, P.E.
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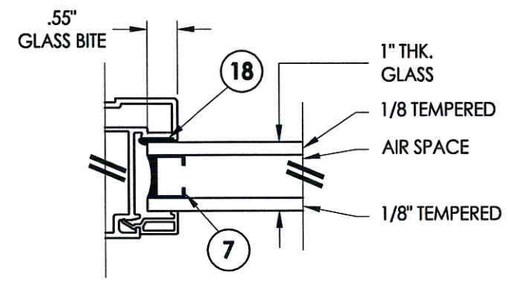
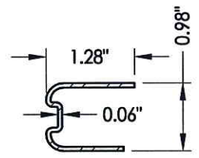
BILL OF MATERIALS

ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
1	EXTRUDED VINYL HEAD / SILL & JAMB / FRAME (#PD1201)	* RIGID PVC
2	EXTRUDED VINYL STILE / RAIL SASH (#PD25)	* RIGID PVC
3	EXTRUDED VINYL SASH INTERLOCK (#PD24)	* RIGID PVC
4	EXTRUDED VINYL FIXED INTERLOCK (#PD34)	* RIGID PVC
5	EXTRUDED VINYL EQUAL GLASS ADAPTOR (#PD39)	* RIGID PVC
6	EXTRUDED VINYL 1" GLAZING BEAD (#BV22)	* RIGID PVC
7	GLAZING SPACER	STEEL
8	ALUMINUM SILL TRACK (#PD22)	ALUMINUM
10	JAMB STILE (PD25) REINFORCEMENT ROLL FORMED STEEL (#RFPD03SOM)	STEEL
11	SASH INTERLOCK (PD24) REINFORCEMENT ROLL FORMED STEEL (#RFPD24SOM)	STEEL
12	FIXED INTERLOCK (PD34) REINFORCEMENT ROLL FORMED STEEL (#RFPD34SOM)	STEEL
13	SLIDING PATIO DOOR HANDLE SET #684 BY SASH CONTROLS	-
14	TANDEM ROLLER ASSEMBLY BY ULTRA #64266	STEEL
15	#10 X 1-1/4" PFH (MORTISE LOCK) SCREWS BY SASH CONTROLS	STEEL
18	PERFECT GLAZE HOT MELT SEALANT	SEALANT
19	WEATHERPILE .187" x .270" BY AMESBURY	-
25	#8 X 3/4" PFH SELF SELF-DRILLING SCREWS	STEEL
26	#8 X 2-1/2" PPH SMS	STEEL
28	EXTRUDED VINYL SCREEN TRACK (#PDT58)	* RIGID PVC
29	SILICONE SEALANT	SILICONE

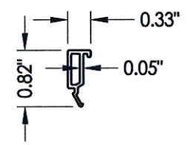
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



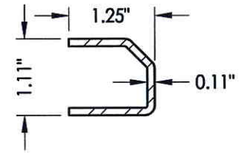
G1 GLAZING DETAIL



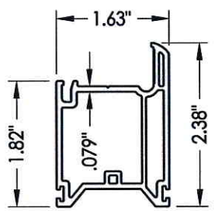
10 M JAMB STILE (PD25)
Reinforcement
Roll formed steel



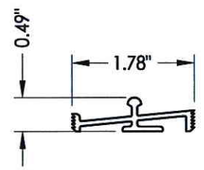
6 GLAZING BEAD
Extruded vinyl



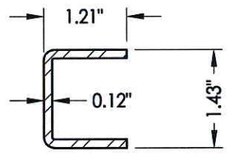
11 SASH INTERLOCK (PD24)
Roll formed steel



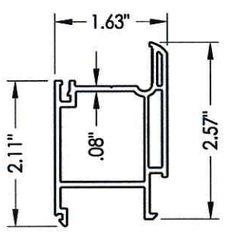
2 STILE / RAIL
Extruded vinyl



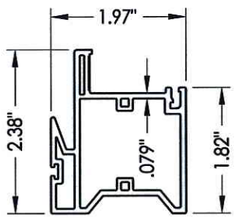
8 SILL TRACK
Extruded aluminum



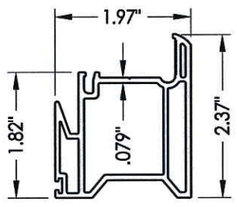
12 FIXED INTERLOCK (PD34)
Roll formed steel



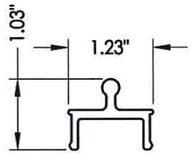
5 EQUAL GLASS ADAPTOR
Extruded vinyl



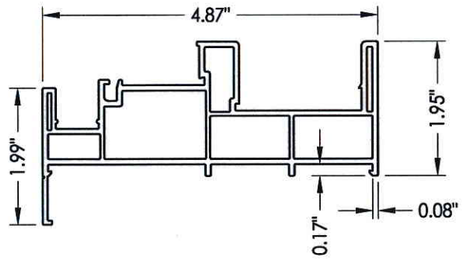
4 FIXED INTERLOCK
Extruded vinyl



3 SASH INTERLOCK
Extruded vinyl



28 SCREEN TRACK
Extruded vinyl



1 HEAD / SILL / JAMB
Extruded vinyl

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PART OR ASSEMBLY: BILL OF MATERIALS, GLAZING DETAIL & COMPONENTS

NO.	DATE	BY
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DATE: 7/25/12
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DRAWING NO.: TX-4201
SHEET 4 OF 4

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