

WEBSTER UNIVERSITY

GENERAL NOTES

1. THE DRAWINGS CONTAINED HEREIN ARE STRICTLY THE SOLE PROPERTY OF VETROTECH AND MAY NOT BE UTILIZED AND / OR DUPLICATED WITHOUT THE WRITTEN CONSENT OF VETROTECH. ERRORS BY OTHER TRADES MADE THROUGH THE USE OF THESE DRAWING ARE NOT VETROTECHS RESPONSIBILITY AND ASSUMES NO LIABILITY FOR MISTAKES.
2. PRIOR TO MATERIAL FABRICATION, ALL SHOPS DRAWINGS, DIMENSIONS, NOTATIONS AND DETAILS MUST BE APPROVED BY PURCHASING PARTY OF PRODUCT. VETROTECH DOES NOT ACCEPT PRELIMINARY APPROVAL FROM ARCHITECT AND / OR GENERAL CONTRACTOR AS "APPROVED" DRAWINGS. UNTIL ALL APPROVAL CRITERIA IS SATISFIED, FABRICATION OF MATERIAL WILL NOT PROCEED. ANY LIABILITY AND / OR BURDEN INCURRED DUE TO DELAY OF PROJECT SCHEDULE IS NOT VETROTECHS RESPONSIBILITY.
3. SHOP DRAWINGS ITEMS MARKED AS "BY OTHERS" AND "N.B. VET" ARE NOT SUPPLIED BY VETROTECH. ITEMS UNDER THESE DESIGNATIONS ARE SHOWN PRIMARILY FOR COORDINATION PURPOSES.
4. THE INSTALLER IS RESPONSIBLE FOR ALL PERIMETER ANCHORS, SHIMS, INTUMESCENT CAULKING AND FINISH SEALANT AT PERIMETER.
5. IT SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND INSTALLER TO SELECT AND INSTALL APPROPRIATE PERIMETER MATERIALS INCLUDING BUT NOT LIMITED TO PERIMETER ANCHORS, INTUMESCENT CAULKING, PERIMETER SEALANTS AND FLASHING ETC. VETROTECH WILL NOT ACCEPT RESPONSIBILITY FOR THESE MATERIALS AND ASSUMES NO LIABILITY FOR POTENTIAL FAILURE.
6. MATERIALS ADJACENT TO THOSE SUPPLIED BY VETROTECH'S SHALL PROVIDE SUFFICIENT STRUCTURAL STRENGTH TO SUPPORT ALL IMPOSED LOADS, REACTIONS AND SECURING OF SYSTEM UNDER MAXIMUM DESIGN LOADS. IT SHALL BE THE GENERAL CONTRACTOR RESPONSIBILITY TO COORDINATE THE LOCATION AND EXTENT OF SUCH MATERIALS AS NECESSARY.

SEALANT NOTES

1. THE SELECTION OF CAULKING AND/OR SEALANTS IS NOT VETROTECHS RESPONSIBILITY. IT SHALL BE THE RESPONSIBILITY OF THE ARCHITECT, INSTALLER AND MANUFACTURER OF SEALANT TO DETERMINE THE SELECTION OF SEALANT.
2. UNLESS OTHERWISE NOTED IN INSTALLATION INSTRUCTIONS, ALL SEALANTS AND CAULKING BY OTHERS.
3. PERIMETER CAULKING SHALL BE APPLIED PER SEALANT MANUFACTURERS SPECIFICATION. ALL PERIMETER CAULKING AND/OR SEALANTS SHOWN IN SHOP DRAWINGS IS REPRESENTATIONAL ONLY AND ASSUMES NO LIABILITY FOR THE TYPE, LOCATION AND EXTENT OF SEALANTS AND/OR CAULKING TO BE UTILIZED.

PROJECT SYNOPSIS

FRAMING SYSTEM

VDS - 60 (60 MIN. RATED TEMP RISE WALL)	VDS LITE (20-90 MIN. RATED NON TEMP RISE WALL)
VDS - 120 (120 MIN. RATED TEMP RISE WALL)	VDS - CURTAIN WALL (60/120 MIN. RATED TEMP RISE WALL)

DOOR SYSTEM

VDS DOOR (60/90 MIN. RATED TEMP RISE DOOR)	HOLLOW METAL DOOR (60/90 MIN. RATED TEMP RISE DOOR)
VDS LITE DOOR (20-90 MIN. RATED NON TEMP RISE DOOR)	HOLLOW METAL DOOR (20-90 MIN. RATED NON TEMP RISE DOOR)

DOOR HARDWARE

BY VETROTECH (BALANCE OF HARDWARE BY OTHERS)	BY OTHERS (PROVIDE HARDWARE TEMPLATES)
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GLAZING TYPES

GL-1	CONTRAFLAM STRUCTURE 120 DIAMANT (LOW IRON) - 2-1/16" (52mm)
GL-2	CONTRAFLAM 120 DIAMANT (LOW IRON) - 1-9/16" (39mm)

FINISH

SHERWIN WILLIAMS POLANE ENAMEL: COLOR: LINEAR WHITE F63W12
CARDINAL STANDARD POWDER COAT: COLOR: TBD

DRAWING INDEX

SHEET NO.	SHEET DESCRIPTION
T1	COVER SHEET
A0	PROJECT ELEVATIONS
A1	FRAME ELEVATIONS SMK-1
A2	FRAME ELEVATIONS SMK-2
D1	PROJECT DETAILS
D2	PROJECT DETAILS

PROJECT CONTACTS

GLAZING CONTRACTOR: NGG LTD INC.
ADDRESS: 1850 CRAIGSHITE SUITE 202
ST. LOUIS, MO 63146
PHONE: 314-336-2514 EXT 123
FAX: 314-336-2521
CONTACT: PATRICK HILBOLDT

ARCHITECT: --
ADDRESS: --
PHONE: --
FAX: --
CONTACT: --

LOCAL REP: MANKO WINDOW SYSTEMS
ADDRESS: --
PHONE: --
FAX: --
CONTACT: --

APPROVALS:

The shops drawings contained herein shall be deemed correct and an accurate depiction of scope of work for Vetrotech when authorized purchasing party issues them as "approved". Approval of these drawings shall provide authorization to proceed with fabrication of materials identified herein.

Vetrotech will manufacture its materials as indicated on the approved shop drawings. Any alteration and/or change after approval date must be submitted in writing and will be subject to cost and scheduling deviations and approval by Vetrotech.

REQUIRED SIGNATURE:

☐ FULL APPROVAL OF SHOP
DRAWINGS AND RELEASE
FOR FABRICATION ☐ REVISE AND RESUBMIT
SHOP DRAWINGS

DATE: _____

SIGNATURE: _____

TITLE: _____

COMPANY: _____



2108 B Street N.W., Suite 110
Auburn, WA 98001 USA
TEL: 888 - 803 - 9533 FAX: 253 - 333 - 5166
www.vetrotechusa.com

DRAWN BY

B. LISTON

DATE

10/12/16

CHECKED BY

C. HINZ

DATE

10/12/16

REVISION

R1	1/4/17
--	--
--	--

TITLE

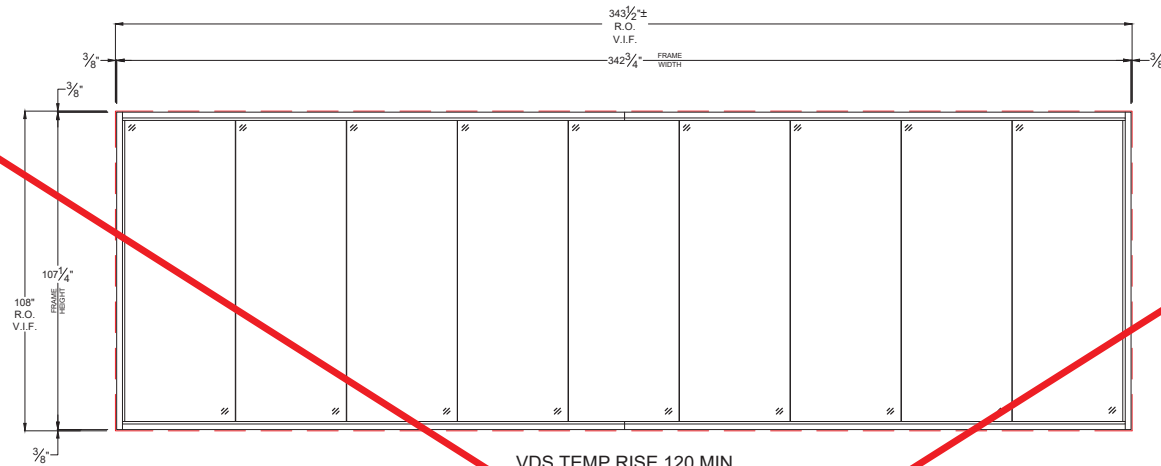
COVERSHEET

JOB NO.

535575

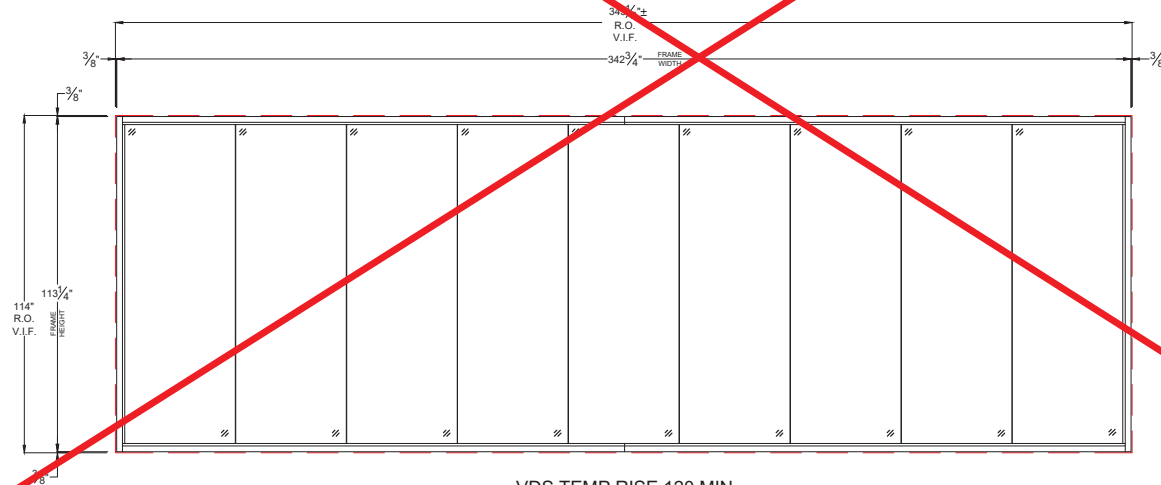
SHEET NO.

T1

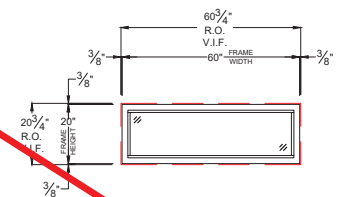


SMK 1
VDS TEMP RISE 120 MIN
WALL ELEVATION
(1) THUS
REFERENCE ELEVATION SHEET - A1

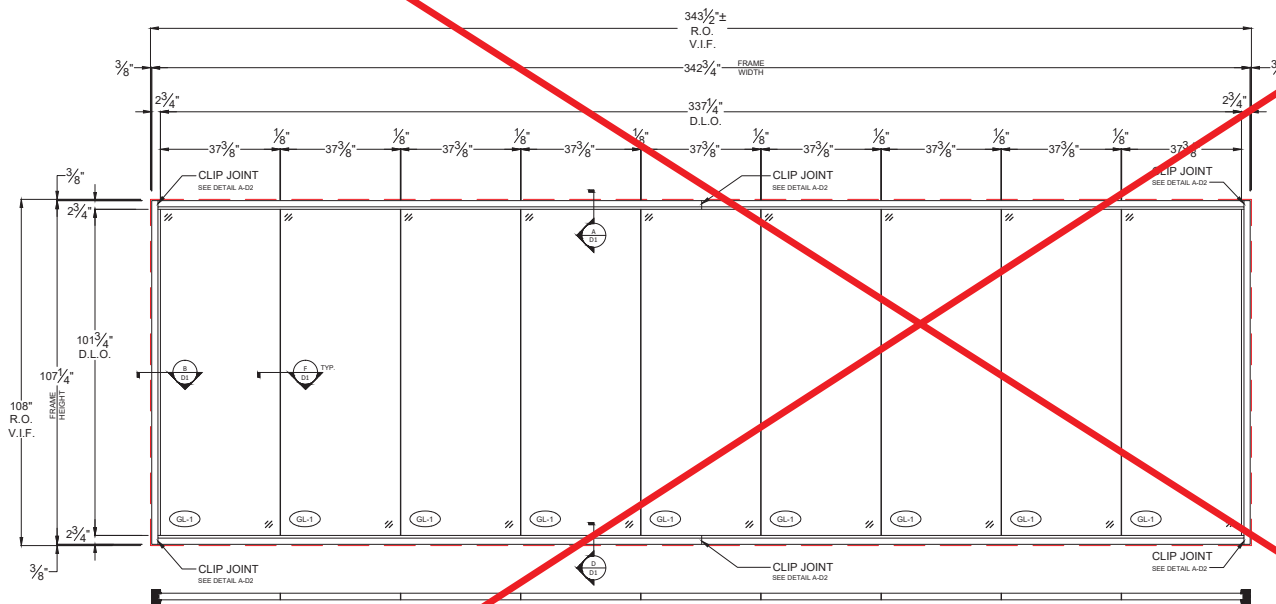
APPROVED IN PREVIOUS
SUBMITTAL
-DG



SMK 2
VDS TEMP RISE 120 MIN
WALL ELEVATION
(3) THUS
REFERENCE ELEVATION SHEET - A2



SMK 3
VDS TEMP RISE 120 MIN
WALL ELEVATION
(1) THUS - ROOM 113
REFERENCE ELEVATION SHEET - A3



SMK
1
VDS TEMP RISE 120 MIN
WALL ELEVATION
(1) THUS

APPROVED IN
PREVIOUS SUBMITTAL
-DG

APPROX. FRAME WEIGHT CALC'S

FRAME WEIGHT: 542.4 LBS.
GLASS WEIGHT: 5431.1 LBS.

TOTAL: 5974.5 LBS.

FRAME PROPERTIES

FRAMING SYSTEM (INITIAL EACH BOX)

VDS - 120 SYSTEM

GLASS TYPE (INITIAL EACH BOX)

GL-1 CONTRAFLAM STRUCTURE 120 DIAMANT
(LOW IRON) - 2-1/16" (52mm)

FINISH (INITIAL EACH BOX)

SHERWIN WILLIAMS POLANE ENAMEL:
COLOR: LINEAR WHITE F63W12

APPROVALS

The shops drawings contained herein shall be deemed correct and an accurate depiction of scope of work for Vetrotech when authorized purchasing party issues them as "approved". Approval of these drawings shall provide authorization to proceed with fabrication of materials identified herein.

Vetrotech will manufacture its materials as indicated on the approved shop drawings. Any alteration and/or change after approval date must be submitted in writing and will be subject to cost and scheduling deviations and approval by Vetrotech.

REQUIRED SIGNATURE:

☐ FULL APPROVAL OF SHOP
DRAWINGS AND RELEASE
FOR FABRICATION ☐ REVISE AND RESUBMIT
SHOP DRAWINGS

DATE: _____

SIGNATURE: _____

TITLE: _____

COMPANY: _____

NOTE:

UNLESS OTHERWISE NOTED ALL FRAMES ARE
FULLY WELDED ASSEMBLIES.

vetrotech
SAINT-GOBAIN

2108 B Street N.W., Suite 110
Auburn, WA 98001 USA
TEL: 888 - 803 - 9533 FAX: 253 - 333 - 5166
www.vetrotechusa.com

DRAWN BY	DATE	CHECKED BY	DATE	REVISION	TITLE
B. LISTON	10/12/16	C. HINZ	10/12/16	R1 1/4/17	
				-- --	
				-- --	

SMK-1
INTERIOR

JOB NO. 535575

SHEET NO. A1

PATRICK HILBOLDT

NGGLTD INC.

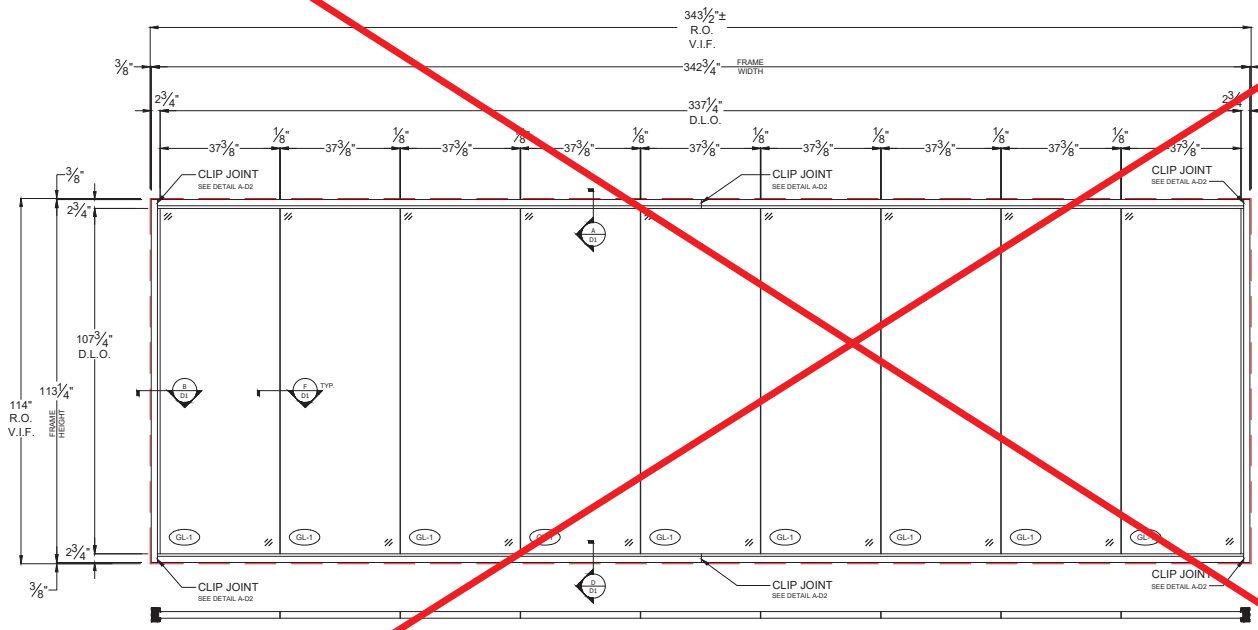
WEBSTER UNIVERSITY

PATRICK HILBOLDT
NGGLTD INC.

WEBSTER UNIVERSITY

APPROX. FRAME WEIGHT CALC'S	
FRAME WEIGHT:	550.7 LBS.
GLASS WEIGHT:	5749.9 LBS.
TOTAL:	6300.6 LBS.

FRAME PROPERTIES	
FRAMING SYSTEM (INITIAL EACH BOX)	
	VDS - 120 SYSTEM
GLASS TYPE (INITIAL EACH BOX)	
GL-1	CONTRAFLAM STRUCTURE 120 DIAMANT (LOW IRON) - 2-1/16" (52mm)
FINISH (INITIAL EACH BOX)	
	SHERWIN WILLIAMS POLANE ENAMEL: COLOR: LINEAR WHITE F63W12
APPROVALS	
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REQUIRED SIGNATURE:	
☐ FULL APPROVAL OF SHOP DRAWINGS AND RELEASE FOR FABRICATION	☐ REVISE AND RESUBMIT SHOP DRAWINGS
DATE: _____	
SIGNATURE: _____	
TITLE: _____	
COMPANY: _____	

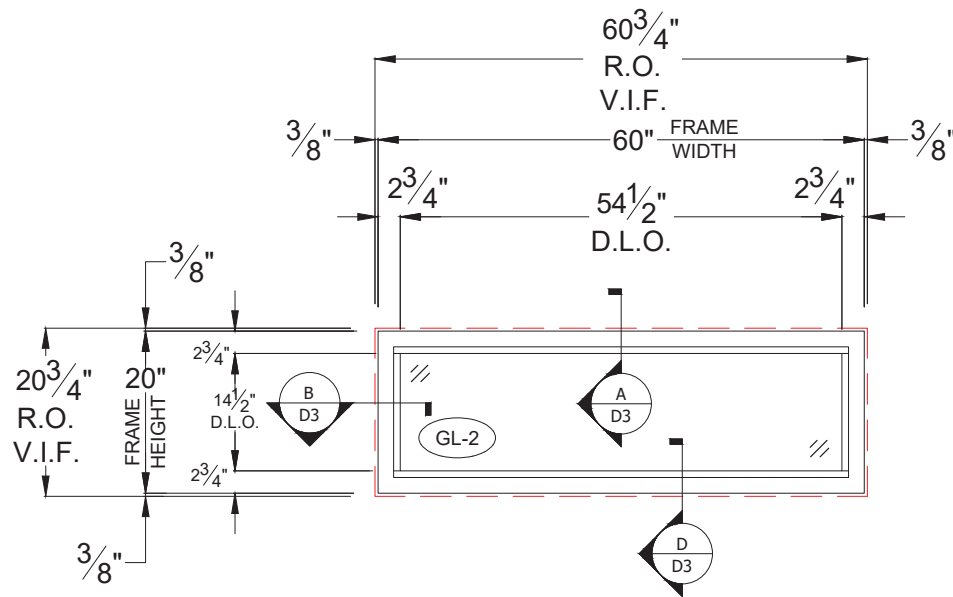


SMK 2 VDS TEMP RISE 120 MIN WALL ELEVATION (3) THUS

APPROVED IN PREVIOUS SUBMITTAL -DG

NOTE:
UNLESS OTHERWISE NOTED ALL FRAMES ARE FULLY WELDED ASSEMBLIES.

vetrotech SAINT-GOBAIN	2108 B Street N.W., Suite 110 Auburn, WA 98001 USA TEL: 888 - 803 - 9533 FAX: 253 - 333 - 5166 www.vetrotechusa.com	DRAWN BY	DATE	CHECKED BY	DATE	REVISION	TITLE	JOB NO.	SHEET NO.
		B. LISTON	10/12/16	C. HINZ	10/12/16	R1 1/4/17	SMK-2 INTERIOR	535575	A2
						-- --			



VDS TEMP RISE 120 MIN WALL ELEVATION (1) THUS - ROOM 413

SMK
3

MISSING SCOPE IN PREVIOUS
SUBMITTAL. PLEASE REVIEW
AS FABRICATION IS PENDING
APPROVAL.
-DG

NOTE:

UNLESS OTHERWISE NOTED ALL FRAMES ARE
FULLY WELDED ASSEMBLIES.

APPROX. FRAME WEIGHT CALC'S

FRAME WEIGHT:	97.2 LBS.
GLASS WEIGHT:	93.9 LBS.
TOTAL:	191.1 LBS.

FRAME PROPERTIES

FRAMING SYSTEM (INITIAL EACH BOX)

VDS - 120 SYSTEM

GLASS TYPE (INITIAL EACH BOX)

GL-2 CONTRAFLAM120 DIAMANT (LOW IRON) -
1-9/16" (39mm)

FINISH (INITIAL EACH BOX)

SHERWIN WILLIAMS POLANE ENAMEL:
COLOR: LINEAR WHITE F63W12

APPROVALS

The shops drawings contained herein shall be deemed correct and an accurate depiction of scope of work for Vetrotech when authorized purchasing party issues them as "approved". Approval of these drawings shall provide authorization to proceed with fabrication of materials identified herein.

Vetrotech will manufacture its materials as indicated on the approved shop drawings. Any alteration and/or change after approval date must be submitted in writing and will be subject to cost and scheduling deviations and approval by Vetrotech.

REQUIRED SIGNATURE:

☐ FULL APPROVAL OF SHOP
DRAWINGS AND RELEASE
FOR FABRICATION ☐ REVISE AND RESUBMIT
SHOP DRAWINGS

DATE: _____

SIGNATURE: _____

TITLE: _____

COMPANY: _____

vetrotech
SAINT-GOBAIN

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Auburn, WA 98001 USA
TEL: 888 - 803 - 9533 FAX: 253 - 333 - 5166
www.vetrotechusa.com

DRAWN BY	DATE	CHECKED BY	DATE	REVISION	TITLE
B. LISTON	10/12/16	C. HINZ	10/12/16	R1 1/4/17	
				-- --	
				-- --	

SMK-2
INTERIOR

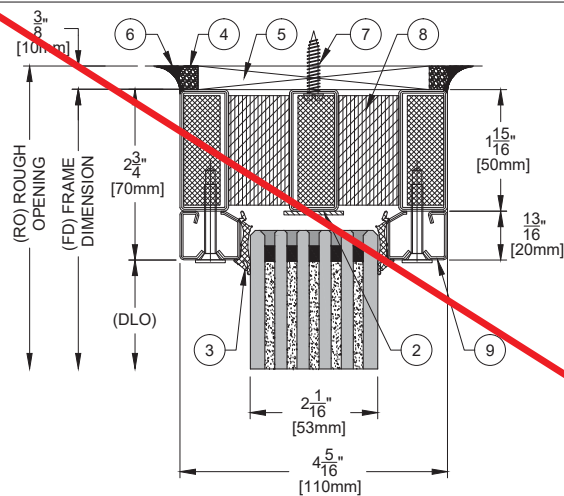
JOB NO.
535575

SHEET NO.
A2

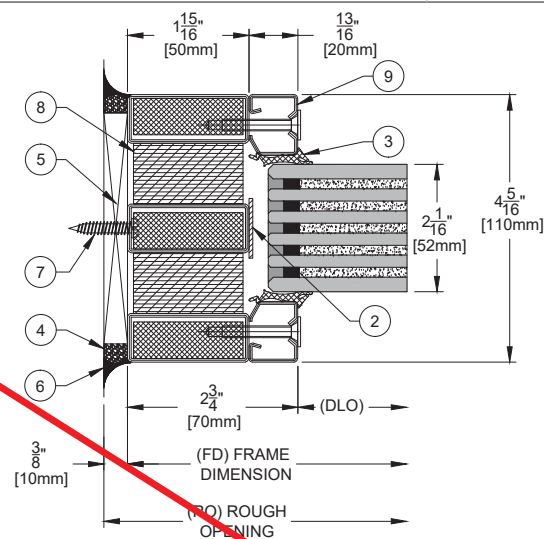
PATRICK HILBOLDT

NGGLTD INC.

WEBSTER UNIVERSITY

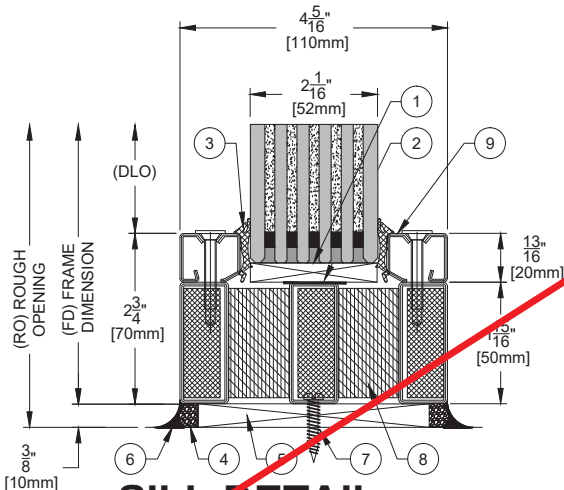


A HEAD DETAIL
6"=1'-0"



B JAMB DETAIL
6"=1'-0"

C NOT USED
6"=1'-0"



D SILL DETAIL
6"=1'-0"

E NOT USED
6"=1'-0"

F CF STRUCT JOINT
6"=1'-0"

APPROVED IN
PREVIOUS
SUBMITTAL
-DG

NOTES:

1. SETTING BLOCK (SILL ONLY) BY OTHERS
ALTERNATES BY OTHERS:
A. HARDWOOD
B. CALCIUM SILICATE
C. NEOPRENE (90 DURO)
2. CONTINUOUS INTUMESCENT TAPE
FURNISHED W/VDS FRAME
INSTALLED BY OTHERS
3. *GLAZING GASKET (BOTH SIDES)
FURNISHED W/VDS FRAME
INSTALLED BY OTHERS
4. FIRE RATED SEAL IN SHIM SPACE BY
OTHERS. ACCEPTABLE ALTERNATIVES:
WELL PACKED ROCKWOOL, CONTINUOUS
INTUMESCENT CAULKING, OR
CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE
ALTERNATES: HARDWOOD, CALCIUM
SILICATE, OR CEDAR SHINGLES.
6. FINISH SEALANT BY OTHERS
7. ANCHOR SCREWS BY OTHERS. PLACE 20"
O.C. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA.
1/4".
8. FIRE RATED FRAME BY VETROTECH.
9. STEEL GLAZING BEAD BY VETROTECH.
INSTALL IN FIELD WITH SCREW FURNISHED
BY VETROTECH.

*NOTE: DUE TO GLASS TOLERANCE,
SEALANT MAY BE NEEDED TO HOLD ON
VINYL GLAZING GASKET (PROVIDED
AND INSTALLED BY OTHERS)

vetrotech
SAINT-GOBAIN

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Auburn, WA 98001 USA
TEL: 888 - 803 - 9533 FAX: 253 - 333 - 5166
www.vetrotechusa.com

DRAWN BY	DATE	CHECKED BY	DATE	REVISION	TITLE
B. LISTON	10/12/16	C. HINZ	10/12/16	R1	1/4/17
				--	--
				--	--

VDS 120
DETAILS

JOB NO.
535575

SHEET NO.
D1

WEBSTER UNIVERSITY

PATRICK HILBOLDT
NGGLTD INC.

APPROVED IN
PREVIOUS SUBMITTAL
-DG

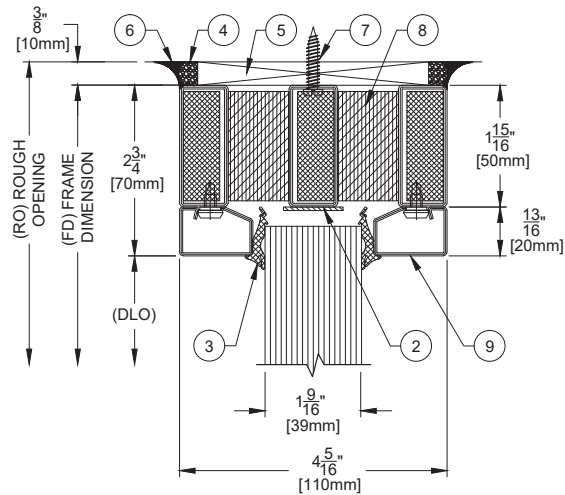
**2C) CONNECT THE 2 FRAME
PARTS AND SECURE WITH
PROVIDED SCREWS(4) AT CLIPS**

**2A) WIPE DOWN AREAS
TO BE SEALED WITH
DENATURED ALCOHOL**

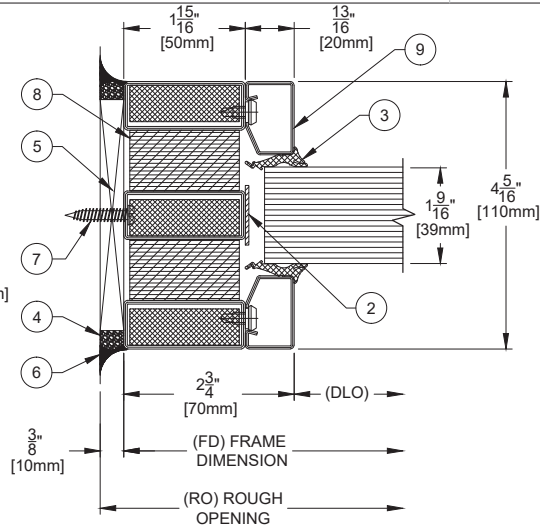
**2B) APPLY SEAM SEAL
AT EACH CLIP AND INSIDE
FRAME TUBES.**

A CLIP JOINT DETAIL
SCALE: N.T.S.

DRAWN BY	DATE	CHECKED BY	DATE	REVISION	TITLE
B. LISTON	10/12/16	C. HINZ	10/12/16	R1 1/4/17	
				-- --	
				-- --	

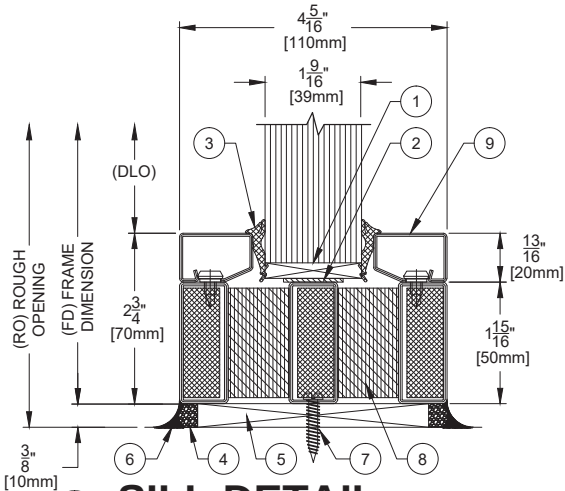


A HEAD DETAIL
6"=1'-0"



B JAMB DETAIL
6"=1'-0"

C NOT USED
6"=1'-0"



D SILL DETAIL
6"=1'-0"

E NOT USED
6"=1'-0"

F NOT USED
6"=1'-0"

MISSING SCOPE IN
PREVIOUS SUBMITTAL.
PLEASE REVIEW AS
FABRICATION IS PENDING
APPROVAL.
-DG

NOTES:

- SETTING BLOCK (SILL ONLY) BY OTHERS
ALTERNATES BY OTHERS:
A. HARDWOOD
B. CALCIUM SILICATE
C. NEOPRENE (90 DURO)
- CONTINUOUS INTUMESCENT TAPE
FURNISHED W/VDS FRAME
INSTALLED BY OTHERS
- *GLAZING GASKET (BOTH SIDES)
FURNISHED W/VDS FRAME
INSTALLED BY OTHERS
- FIRE RATED SEAL IN SHIM SPACE BY
OTHERS. ACCEPTABLE ALTERNATIVES:
WELL PACKED ROCKWOOL, CONTINUOUS
INTUMESCENT CAULKING, OR
CONTINUOUS INTUMESCENT TAPE.
- SHIMS BY OTHERS. ACCEPTABLE
ALTERNATES: HARDWOOD, CALCIUM
SILICATE, OR CEDAR SHINGLES.
- FINISH SEALANT BY OTHERS
- ANCHOR SCREWS BY OTHERS. PLACE 20"
O.C. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA.
1/4".
- FIRE RATED FRAME BY VETROTECH.
- STEEL GLAZING BEAD BY VETROTECH.
INSTALL OVER GLAZING BEAD SCREW.

*NOTE: DUE TO GLASS TOLERANCE,
SEALANT MAY BE NEEDED TO HOLD ON
VINYL GLAZING GASKET (PROVIDED
AND INSTALLED BY OTHERS)

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB	
PROJECT NAME	
8274 BIG BEND BLVD	
ADDRESS	
NUMBER	
WEBSTER UNIVERSITY	
OWNER	
CANNON DESIGN	
ARCHITECT / ENGINEER	
Joe Voypick	
SUBMITTED BY	
081423-003	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
	081423
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
	CRITICAL

ITEM BEING SUBMITTED (check only one)

- | | | |
|--|--|--|
| ☒ Shop Drawings | ☐ Certification / | ☐ Coordination Drawing |
| ☐ Samples | ☐ Qualifications | ☐ Calculations |
| (_____ copies) | ☐ Record Documents | ☐ Schedules |
| ☐ LEED Submittal | ☐ Product Data | ☐ O&M Manuals |
| ☐ Other _____ | | |

ITEM BEING SUBMITTED FOR (check only one)

- ☒ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION (SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:

Devin D. Gates

To be completed by Reviewer

08 4123-003
CANNON DESIGN SUBMITTAL NUMBER
2/9/17
RECEIVED DATE

- ☒ A. No Exceptions Taken
No further review of submittal is required.
- ☐ B. Make Corrections Noted
Incorporate corrections in work; resubmission is not required.
- ☐ C. Revise and Resubmit
Revise as noted, and resubmit for review.
- ☐ D. Rejected
Submittal is not in compliance with Contract Documents; provide new submittal.
- ☐ E. For Record / Information Only
Submittal was reviewed for Record / Information purposes only.
- ☐ F. Not Required for Review
Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS

☐ See attached sheet(s) for additional comments

NOTE:

AT HEAD AND JAMBS- CM PROVIDE ENGINEERED CFMF TO SUPPORT LOADS OF FRAMING SYSTEM

Joe Voypick	2/9/17	Lynn Grossman	02.10.17
REVIEWED BY	DATE	REVIEWED BY	DATE

Digitally signed by Lynn Grossman
DN: cn=Lynn Grossman, o=Cannon Design, cn=Lynn Grossman
Date: 2017.02.10 17:23:33-06'00'



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0488

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 02/09/2017

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

Fax;
314-241-2203

RE: Fire Rated Glass Shop Drawings REV1

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☒ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☐ Other:	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		081423-003	2		02/09/2017	Fire Rated Glass Shop Drawings REV1	Submitted

NOTES:

CC:

Signed: _____
Devin Gates

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME	
ADDRESS	
NUMBER	
OWNER	
ARCHITECT / ENGINEER	
SUBMITTED BY	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
	☐ CRITICAL

ITEM BEING SUBMITTED (check only one)

- | | | |
|---|--|--|
| ☐ Shop Drawings | ☐ Certification / Qualifications | ☐ Coordination Drawing |
| ☐ Samples (_____ copies) | ☐ Record Documents | ☐ Calculations |
| ☐ LEED Submittal | ☐ Product Data | ☐ Schedules |
| ☐ Other _____ | ☐ O&M Manuals | |

ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION (SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:

Devin D. Gates

REVIEWED BY	DATE

To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER
RECEIVED DATE
☐ A. No Exceptions Taken No further review of submittal is required.
☐ B. Make Corrections Noted Incorporate corrections in work; resubmission is not required.
☐ C. Revise and Resubmit Revise as noted, and resubmit for review.
☐ D. Rejected Submittal is not in compliance with Contract Documents; provide new submittal.
☐ E. For Record / Information Only Submittal was reviewed for Record / Information purposes only.
☐ F. Not Required for Review Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS

☐ See attached sheet(s) for additional comments

REVIEWED BY	DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0364

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 12/01/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

Fax;
314-241-2203

RE: Fire Rated Glass Shop Drawings

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☒ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☐ Other:	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		081423-003	1		12/01/2016	Fire Rated Glass Shop Drawings	Submitted

NOTES:

CC:

Signed: _____
Devin Gates

WEBSTER UNIVERSITY

GENERAL NOTES

1. THE DRAWINGS CONTAINED HEREIN ARE STRICTLY THE SOLE PROPERTY OF VETROTECH AND MAY NOT BE UTILIZED AND / OR DUPLICATED WITHOUT THE WRITTEN CONSENT OF VETROTECH. ERRORS BY OTHER TRADES MADE THROUGH THE USE OF THESE DRAWING ARE NOT VETROTECHS RESPONSIBILITY AND ASSUMES NO LIABILITY FOR MISTAKES.
2. PRIOR TO MATERIAL FABRICATION, ALL SHOPS DRAWINGS, DIMENSIONS, NOTATIONS AND DETAILS MUST BE APPROVED BY PURCHASING PARTY OF PRODUCT. VETROTECH DOES NOT ACCEPT PRELIMINARY APPROVAL FROM ARCHITECT AND / OR GENERAL CONTRACTOR AS "APPROVED" DRAWINGS. UNTIL ALL APPROVAL CRITERIA IS SATISFIED, FABRICATION OF MATERIAL WILL NOT PROCEED. ANY LIABILITY AND / OR BURDEN INCURRED DUE TO DELAY OF PROJECT SCHEDULE IS NOT VETROTECHS RESPONSIBILITY.
3. SHOP DRAWINGS ITEMS MARKED AS "BY OTHERS" AND "N.B. VET" ARE NOT SUPPLIED BY VETROTECH. ITEMS UNDER THESE DESIGNATIONS ARE SHOWN PRIMARILY FOR COORDINATION PURPOSES.
4. THE INSTALLER IS RESPONSIBLE FOR ALL PERIMETER ANCHORS, SHIMS, INTUMESCENT CAULKING AND FINISH SEALANT AT PERIMETER.
5. IT SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND INSTALLER TO SELECT AND INSTALL APPROPRIATE PERIMETER MATERIALS INCLUDING BUT NOT LIMITED TO PERIMETER ANCHORS, INTUMESCENT CAULKING, PERIMETER SEALANTS AND FLASHING ETC. VETROTECH WILL NOT ACCEPT RESPONSIBILITY FOR THESE MATERIALS AND ASSUMES NO LIABILITY FOR POTENTIAL FAILURE.
6. MATERIALS ADJACENT TO THOSE SUPPLIED BY VETROTECH'S SHALL PROVIDE SUFFICIENT STRUCTURAL STRENGTH TO SUPPORT ALL IMPOSED LOADS, REACTIONS AND SECURING OF SYSTEM UNDER MAXIMUM DESIGN LOADS. IT SHALL BE THE GENERAL CONTRACTOR RESPONSIBILITY TO COORDINATE THE LOCATION AND EXTENT OF SUCH MATERIALS AS NECESSARY.

SEALANT NOTES

1. THE SELECTION OF CAULKING AND/OR SEALANTS IS NOT VETROTECHS RESPONSIBILITY. IT SHALL BE THE RESPONSIBILITY OF THE ARCHITECT, INSTALLER AND MANUFACTURER OF SEALANT TO DETERMINE THE SELECTION OF SEALANT.
2. UNLESS OTHERWISE NOTED IN INSTALLATION INSTRUCTIONS, ALL SEALANTS AND CAULKING BY OTHERS.
3. PERIMETER CAULKING SHALL BE APPLIED PER SEALANT MANUFACTURERS SPECIFICATION. ALL PERIMETER CAULKING AND/OR SEALANTS SHOWN IN SHOP DRAWINGS IS REPRESENTATIONAL ONLY AND ASSUMES NO LIABILITY FOR THE TYPE, LOCATION AND EXTENT OF SEALANTS AND/OR CAULKING TO BE UTILIZED.

PROJECT SYNOPSIS

FRAMING SYSTEM

	VDS - 60 (60 MIN. RATED TEMP RISE WALL)		VDS LITE (20-90 MIN. RATED NON TEMP RISE WALL)
●	VDS - 120 (120 MIN. RATED TEMP RISE WALL)		VDS - CURTAIN WALL (60/120 MIN. RATED TEMP RISE WALL)

DOOR SYSTEM

	VDS DOOR (60/90 MIN. RATED TEMP RISE DOOR)		HOLLOW METAL DOOR (60/90 MIN. RATED TEMP RISE DOOR)
	VDS LITE DOOR (20-90 MIN. RATED NON TEMP RISE DOOR)		HOLLOW METAL DOOR (20-90 MIN. RATED NON TEMP RISE DOOR)

DOOR HARDWARE

	BY VETROTECH (BALANCE OF HARDWARE BY OTHERS)		BY OTHERS (PROVIDE HARDWARE TEMPLATES)
--	---	--	---

GLAZING TYPES

GL-1	CONTRAFLAM STRUCTURE 120 - 2-1/16" (52mm)
	SEE NOTE ON MISSING SCOPE.

FINISH

●	SHERWIN WILLIAMS POLANE ENAMEL: COLOR: TBD
	CARDINAL STANDARD POWDER COAT: COLOR: TBD

DRAWING INDEX

SHEET NO.	SHEET DESCRIPTION
T1	COVER SHEET
A0	PROJECT ELEVATIONS
A1	FRAME ELEVATIONS SMK-1
A2	FRAME ELEVATIONS SMK-2
D1	PROJECT DETAILS
D2	PROJECT DETAILS

PROJECT CONTACTS

GLAZING CONTRACTOR: ADDRESS:	NGG LTD INC. 1850 CRAIGSHITE SUITE 202 ST. LOUIS, MO 63146
PHONE: FAX: CONTACT:	314-336-2514 EXT 123 314-336-2521 PATRICK HILBOLDT
ARCHITECT: ADDRESS:	-- -- --
PHONE: FAX: CONTACT:	-- -- --
LOCAL REP: ADDRESS:	MANKO WINDOW SYSTEMS -- --
PHONE: FAX: CONTACT:	-- -- --

APPROVALS:

The shops drawings contained herein shall be deemed correct and an accurate depiction of scope of work for Vetrotech when authorized purchasing party issues them as "approved". Approval of these drawings shall provide authorization to proceed with fabrication of materials identified herein.

Vetrotech will manufacture its materials as indicated on the approved shop drawings. Any alteration and/or change after approval date must be submitted in writing and will be subject to cost and scheduling deviations and approval by Vetrotech.

REQUIRED SIGNATURE:

☐

FULL APPROVAL OF SHOP
DRAWINGS AND RELEASE
FOR FABRICATION

☐

REVISE AND RESUBMIT
SHOP DRAWINGS

DATE: _____

SIGNATURE: _____

TITLE: _____

COMPANY: _____



2108 B Street N.W., Suite 110
Auburn, WA 98001 USA
TEL: 888 - 803 - 9533 FAX: 253 - 333 - 5166
www.vetrotechusa.com

DRAWN BY

DATE

CHECKED BY

DATE

REVISION

TITLE

B. LISTON

10/12/16

C. HINZ

10/12/16

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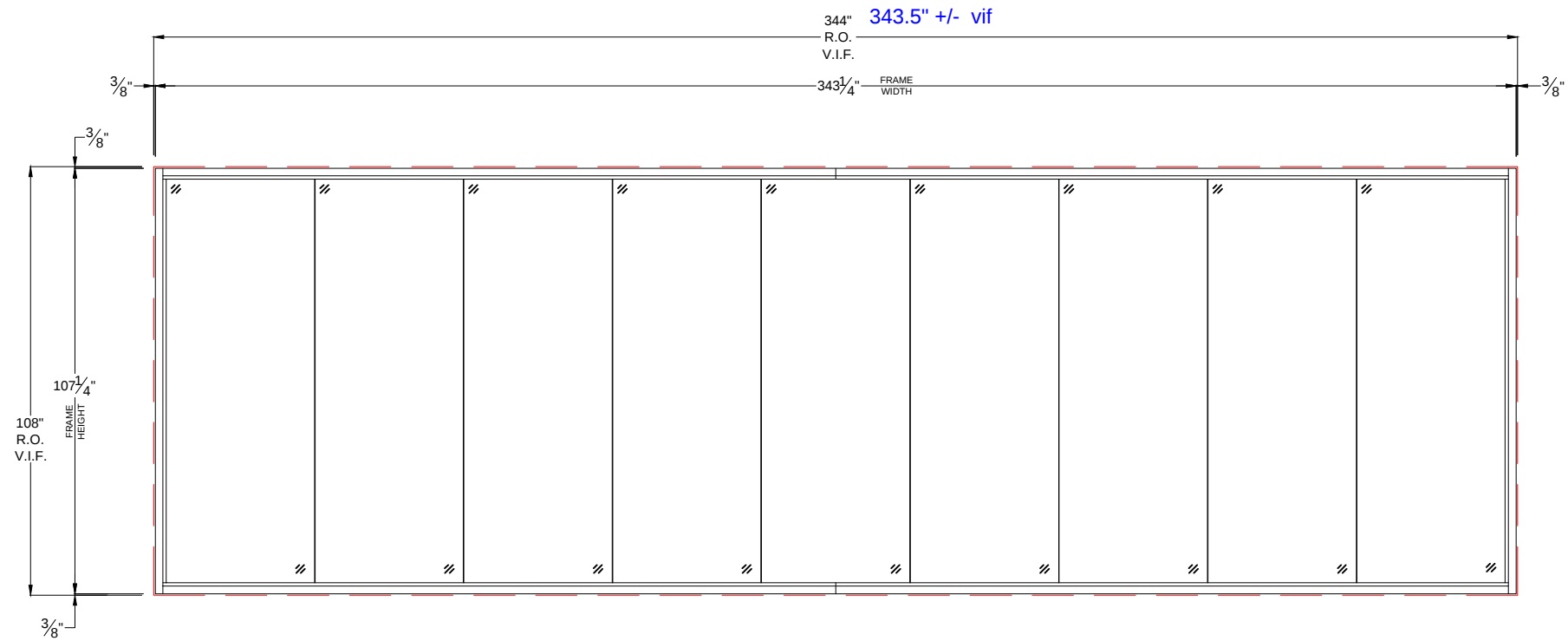
COVERSHEET

JOB NO.

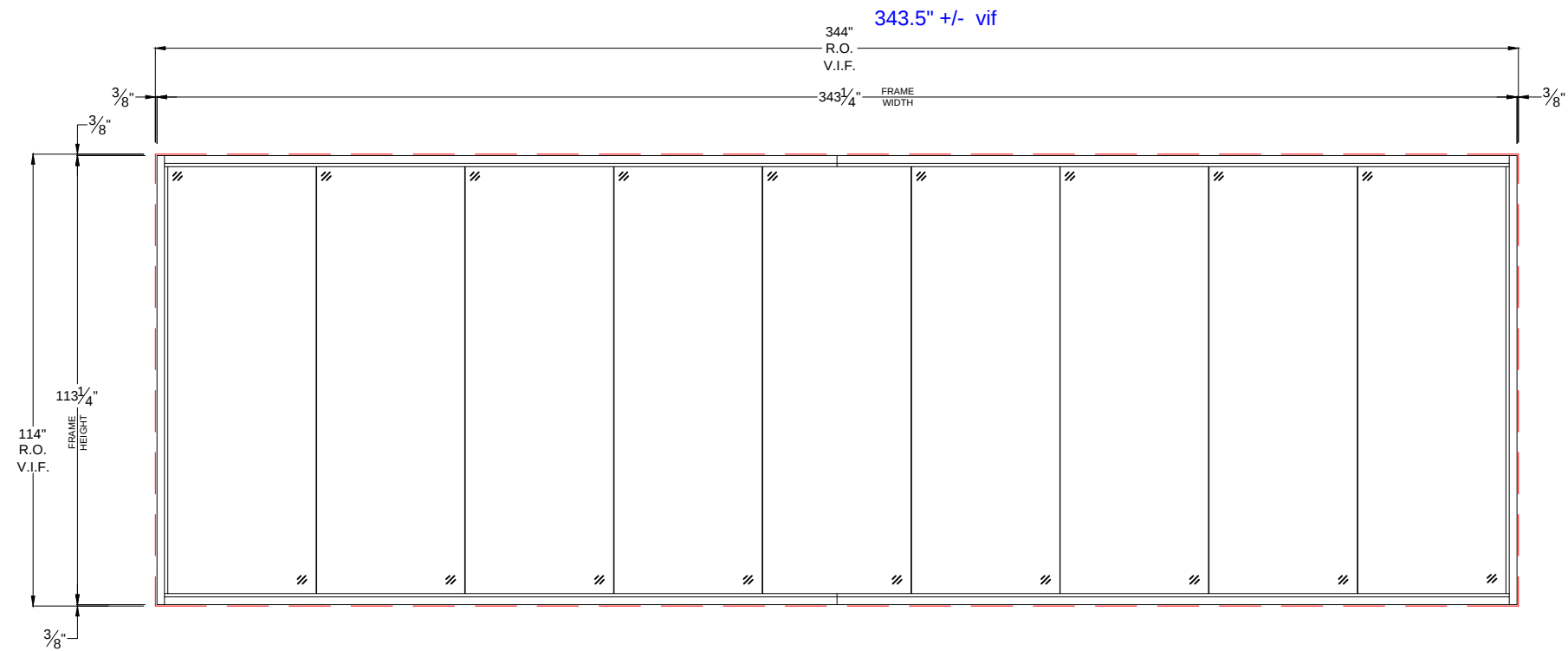
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SHEET NO.

T1

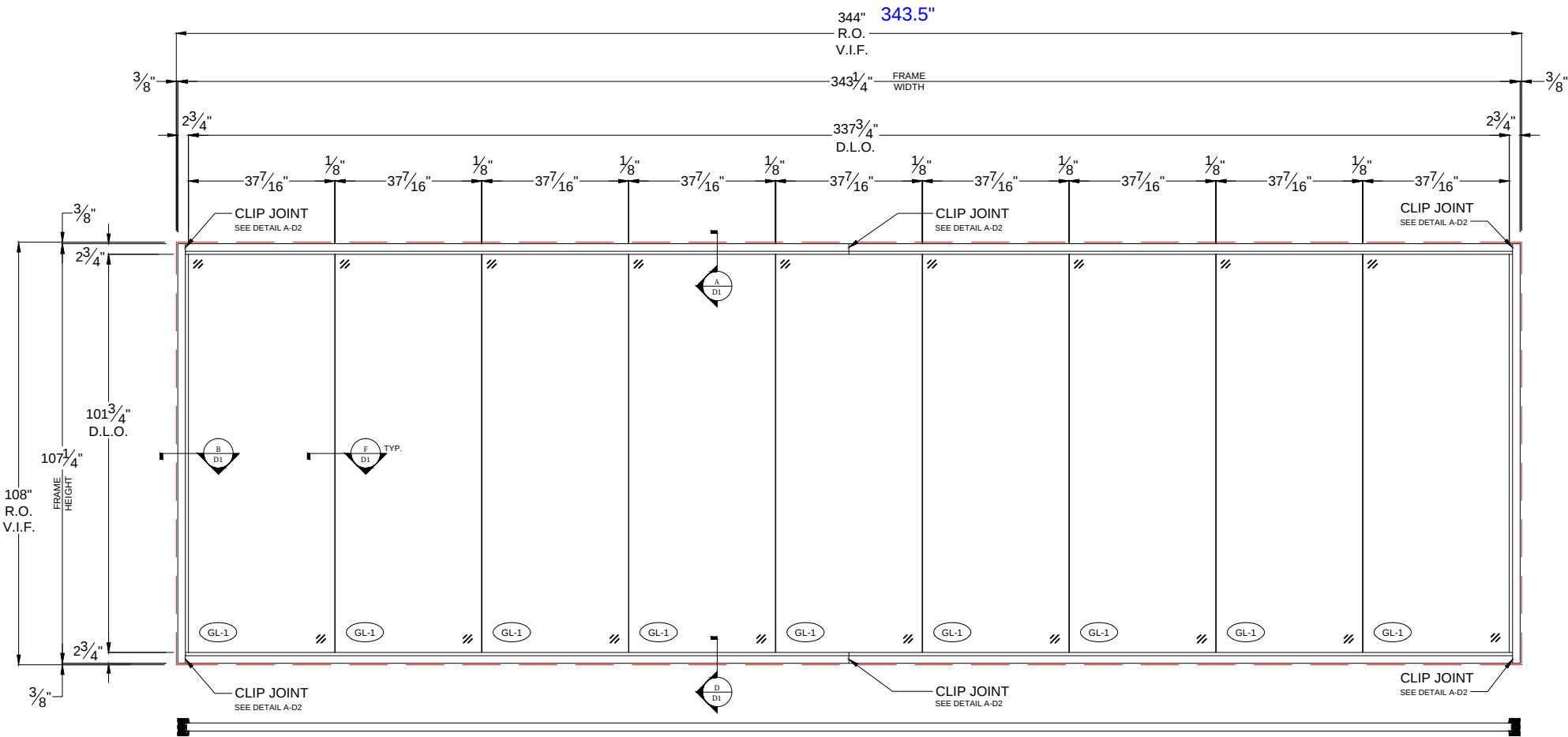


SMK 1
VDS TEMP RISE 120 MIN
WALL ELEVATION
(1) THUS
REFERENCE ELEVATION SHEET - A1



SMK 2
VDS TEMP RISE 120 MIN
WALL ELEVATION
(3) THUS
REFERENCE ELEVATION SHEET - A2

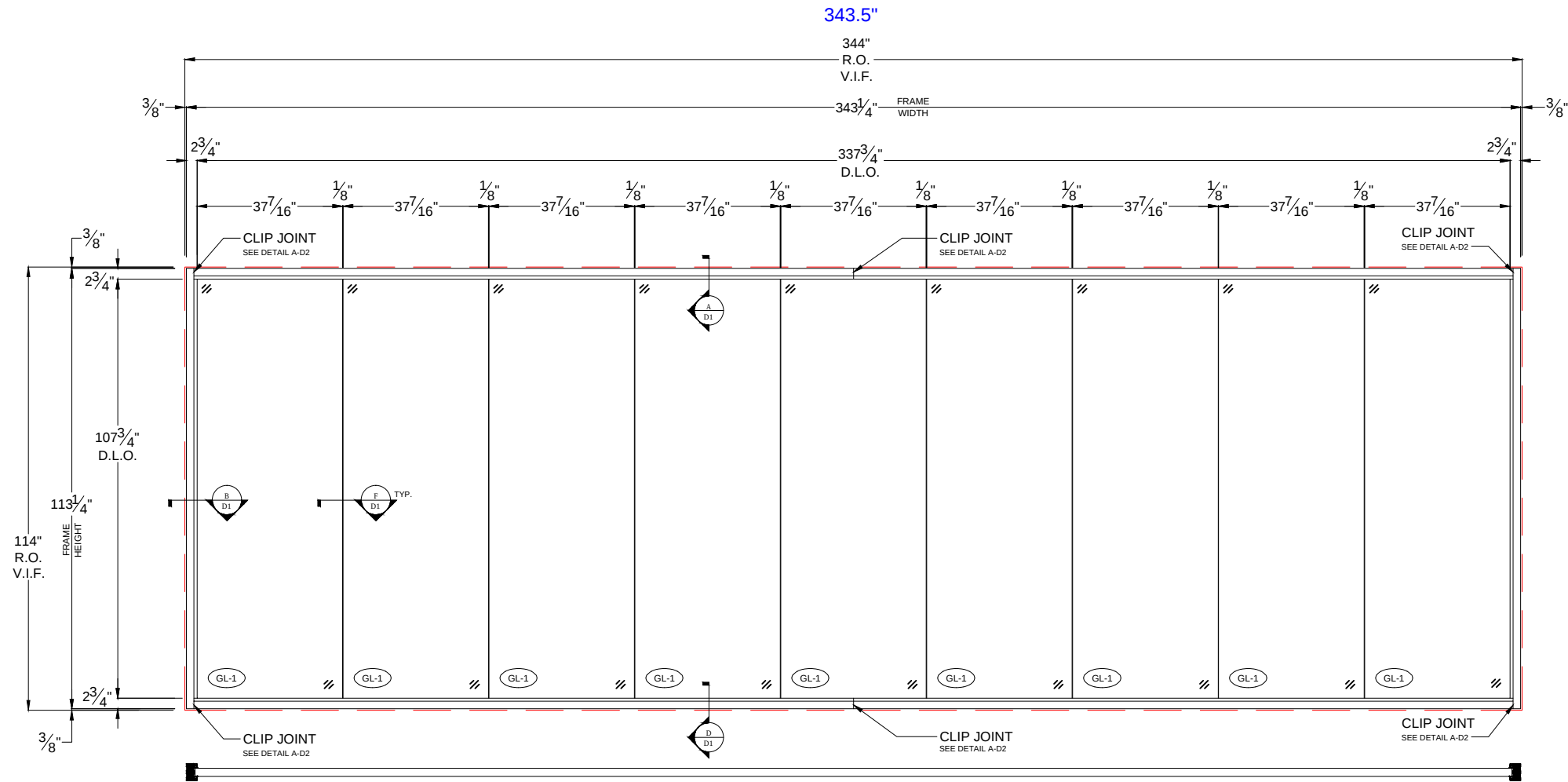
NOTE: MISSING SCOPE: ROOM 413
120 MIN. RATED GLAZING 1'-8" HIGH
X 5' WIDE. GLAZING TO BE
CONTRAFLAMM 120 (CONTRAFLAMM
STRUCTURE NOT REQUIRED.



NOTE:
UNLESS OTHERWISE NOTED ALL FRAMES ARE
FULLY WELDED ASSEMBLIES.

APPROX. FRAME WEIGHT CALC'S	
FRAME WEIGHT:	543.4 LBS.
GLASS WEIGHT:	5431.1 LBS.
TOTAL:	5974.5 LBS.

FRAME PROPERTIES		
FRAMING SYSTEM (INITIAL EACH BOX)		
	VDS - 120 SYSTEM	
GLASS TYPE (INITIAL EACH BOX)		
	GL-1	CONTRAFLAM STRUCTURE 120 - 2-1/16" (52mm)
FINISH (INITIAL EACH BOX)		
	SHERWIN WILLIAMS POLANE ENAMEL: COLOR: TBD	
APPROVALS		
The shops drawings contained herein shall be deemed correct and an accurate depiction of scope of work for Vetrotech when authorized purchasing party issues them as "approved". Approval of these drawings shall provide authorization to proceed with fabrication of materials identified herein. Vetrotech will manufacture its materials as indicated on the approved shop drawings. Any alteration and/or change after approval date must be submitted in writing and will be subject to cost and scheduling deviations and approval by Vetrotech.		
REQUIRED SIGNATURE:		
FULL APPROVAL OF SHOP DRAWINGS AND RELEASE FOR FABRICATION	REVISE AND RESUBMIT SHOP DRAWINGS	
DATE: _____		
SIGNATURE: _____		
TITLE: _____		
COMPANY: _____		

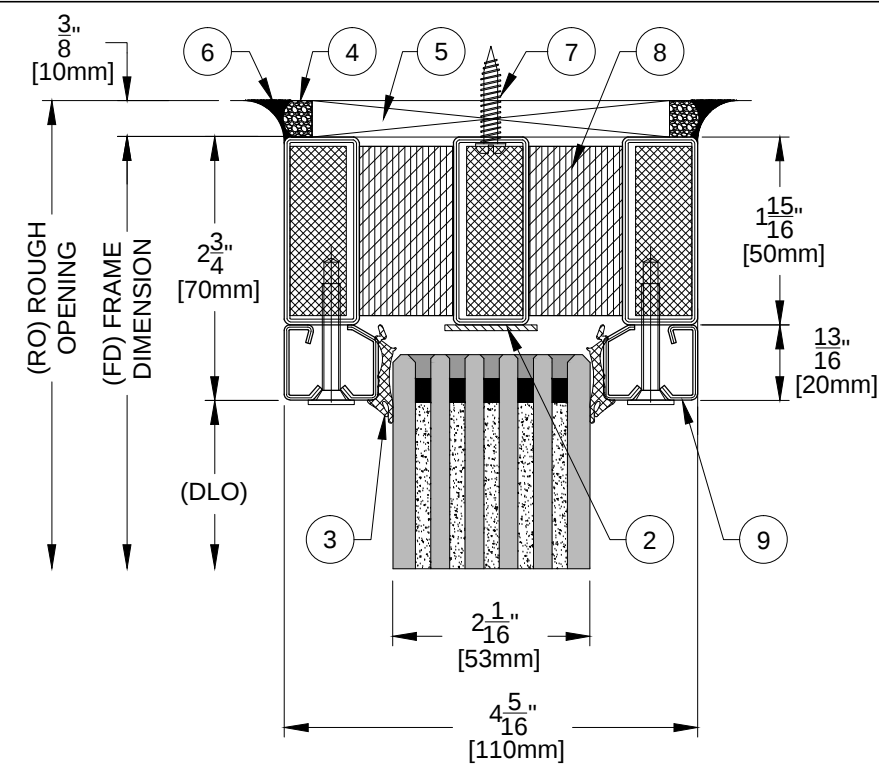


SMK
2
VDS TEMP RISE 120 MIN
WALL ELEVATION
(3) THUS

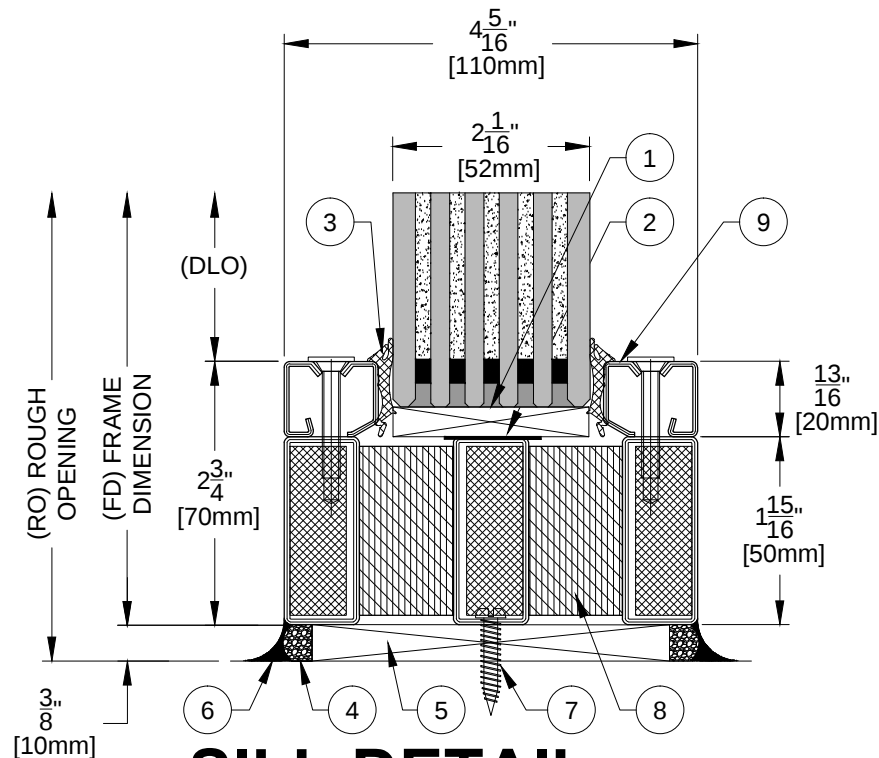
NOTE:
UNLESS OTHERWISE NOTED ALL FRAMES ARE
FULLY WELDED ASSEMBLIES.

APPROX. FRAME WEIGHT CALC'S	
FRAME WEIGHT:	550.7 LBS.
GLASS WEIGHT:	5749.9 LBS.
TOTAL:	6300.6 LBS.

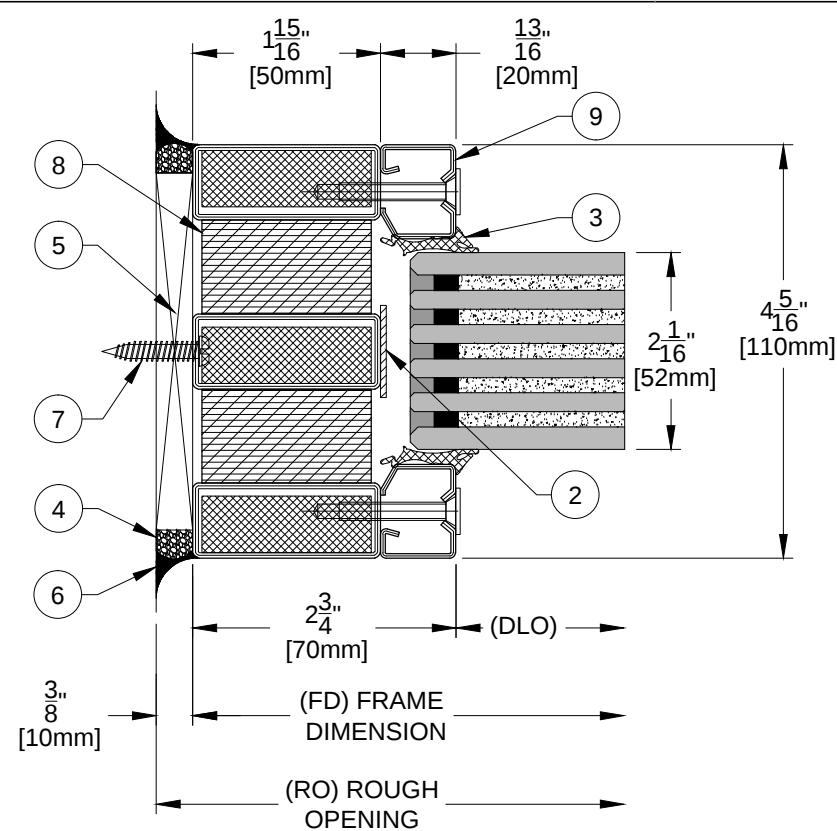
FRAME PROPERTIES		
FRAMING SYSTEM (INITIAL EACH BOX)		
	VDS - 120 SYSTEM	
GLASS TYPE (INITIAL EACH BOX)		
	GL-1	CONTRAFLAM STRUCTURE 120 - 2-1/16" (52mm)
FINISH (INITIAL EACH BOX)		
	SHERWIN WILLIAMS POLANE ENAMEL: COLOR: TBD	
APPROVALS		
The shops drawings contained herein shall be deemed correct and an accurate depiction of scope of work for Vetrotech when authorized purchasing party issues them as "approved". Approval of these drawings shall provide authorization to proceed with fabrication of materials identified herein. Vetrotech will manufacture its materials as indicated on the approved shop drawings. Any alteration and/or change after approval date must be submitted in writing and will be subject to cost and scheduling deviations and approval by Vetrotech.		
REQUIRED SIGNATURE:		
FULL APPROVAL OF SHOP DRAWINGS AND RELEASE FOR FABRICATION	REVISE AND RESUBMIT SHOP DRAWINGS	
DATE: _____		
SIGNATURE: _____		
TITLE: _____		
COMPANY: _____		



A HEAD DETAIL
6"=1'-0"

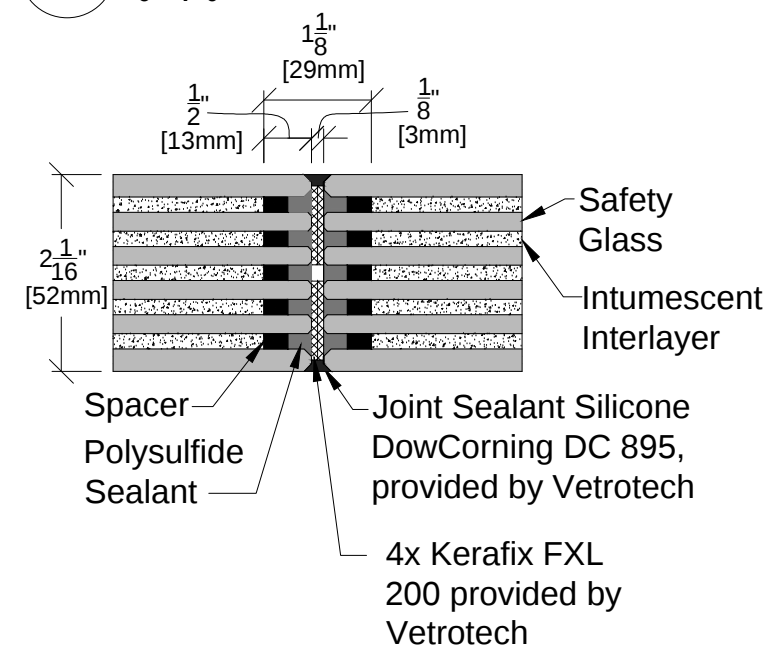


D SILL DETAIL
6"=1'-0"



B JAMB DETAIL
6"=1'-0"

C NOT USED
6"=1'-0"



E NOT USED
6"=1'-0"

F CF STRUCT JOINT
6"=1'-0"

NOTES:

1. SETTING BLOCK (SILL ONLY) BY OTHERS
ALTERNATES BY OTHERS:
A. HARDWOOD
B. CALCIUM SILICATE
C. NEOPRENE (90 DURO)
2. CONTINUOUS INTUMESCENT TAPE
FURNISHED W/VDS FRAME
INSTALLED BY OTHERS
3. *GLAZING GASKET (BOTH SIDES)
FURNISHED W/VDS FRAME
INSTALLED BY OTHERS
4. FIRE RATED SEAL IN SHIM SPACE BY
OTHERS. ACCEPTABLE ALTERNATIVES:
WELL PACKED ROCKWOOL, CONTINUOUS
INTUMESCENT CAULKING, OR
CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE
ALTERNATES: HARDWOOD, CALCIUM
SILICATE, OR CEDAR SHINGLES.
6. FINISH SEALANT BY OTHERS
7. ANCHOR SCREWS BY OTHERS. PLACE 20"
O.C. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA.
1/4".
8. FIRE RATED FRAME BY VETROTECH.
9. STEEL GLAZING BEAD BY VETROTECH.
INSTALL IN FIELD WITH SCREW FURNISHED
BY VETROTECH.

*NOTE: DUE TO GLASS TOLERANCE,
SEALANT MAY BE NEEDED TO HOLD ON
VINYL GLAZING GASKET (PROVIDED
AND INSTALLED BY OTHERS)

**2C) CONNECT THE 2 FRAME
PARTS AND SECURE WITH
PROVIDED SCREWS(4) AT CLIPS**

**2A) WIPE DOWN AREAS
TO BE SEALED WITH
DENATURED ALCOHOL**

**2B) APPLY SEAM SEAL
AT EACH CLIP AND INSIDE
FRAME TUBES.**

A CLIP JOINT DETAIL
SCALE: N.T.S.

DRAWN BY	DATE	CHECKED BY	DATE	REVISION	TITLE
B. LISTON	10/12/16	C. HINZ	10/12/16	-- --	VDS 120 CLIP JOINT DETAILS
				-- --	
				-- --	