intertek
Total Quality. Assured.

FIANDRE
MIAMI-DADE TEST REPORT

SCOPE OF WORK
TAS 202 AND TAS 203 TESTING ON THE GHS MAXI10 SYSTEM, VENTILATED FAÇADE SYSTEM

REPORT NUMBER
H5589.04-109-18

TEST DATE(S)
02/15/18 – 02/28/18

ISSUE DATE
04/30/18

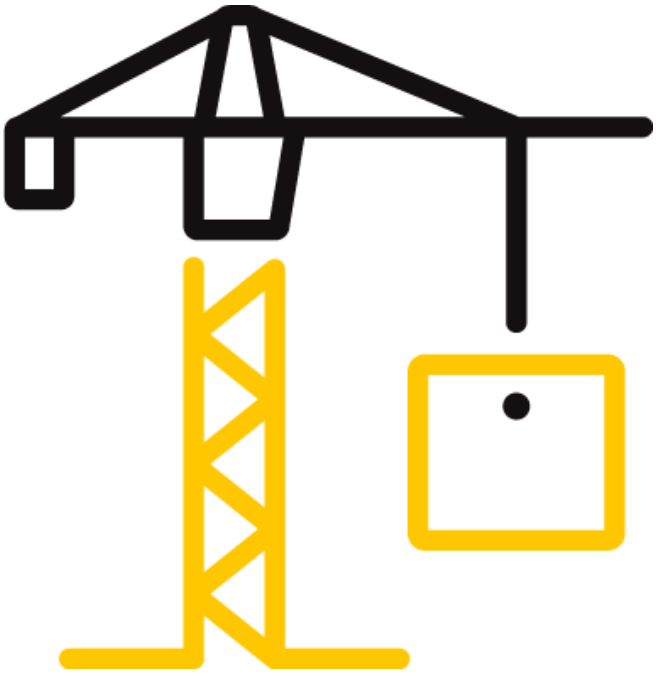
RECORD RETENTION END DATE
02/28/28

MIAMI-DADE COUNTY NOTIFICATION NO.
ATI 17055

LABORATORY CERTIFICATION NO.
16-0421.02

PAGES
22

DOCUMENT CONTROL NUMBER
ATI 00651 (08/21/17)
RT-R-AMER-Test-2816



130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FIANDRE
Report No.: H5589.04-109-18
Date: 04/30/18

REPORT ISSUED TO

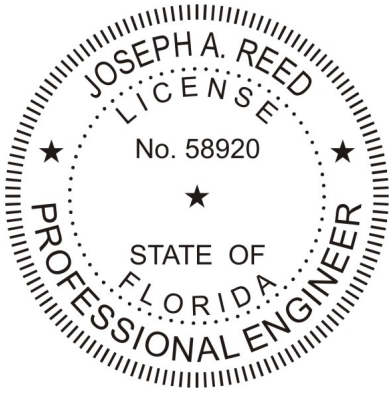
FIANDRE
Via Radici, 112, 42014
Castellarano (Reggio Emilia)
ITALY

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by Fiandre to perform TAS 202 and TAS 203 testing in accordance with Florida Building Code for High Velocity Hurricane Zone and Miami-Dade County requirements on their GHS Maxi10 System, Ventilated Façade System. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at the Intertek B&C test facility in York, Pennsylvania. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

This product was originally tested as the StonePeak Ceramics, Inc. series/model GHS Maxi10 System, Ventilated Façade System and is a reissue of the original report no. H5589.01-109-44. This report is reissued in the name of Fiandre through written authorization from StonePeak Ceramics, Inc.



For INTERTEK B&C:

COMPLETED BY:	Ken R. Stough	**REVIEWED BY:**	Joseph A. Reed, P.E.
TITLE:	Lead Technician – Product Testing	**TITLE:**	Senior Director
SIGNATURE:	Ken R. Stough Digitally Signed by: Ken R. Stough	**SIGNATURE:**	Joseph A. Reed Digitally Signed by: Joseph A. Reed
DATE:	04/30/18	**DATE:**	04/30/18 2018.04.30 14:18:21 -04'00'

KRS:abo

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FIANDRE
Report No.: H5589.04-109-18
Date: 04/30/18

SECTION 2
SUMMARY OF TEST RESULTS

The specimen(s) tested met the performance requirements set forth in the protocols.

Product Type: Ventilated Façade System
Series/Model: GHS Maxi10 System

SPEC.	TEST PROTOCOL	DESIGN PRESSURE
1	TAS 202/203	-89.0 psf
3	TAS 202/203	-89.0 psf
4	TAS 203	-89.0 psf

SECTION 3

TEST METHOD(S)

The specimens were evaluated in accordance with the following:

TAS 202-94, *Criteria for Testing Impact & Non Impact Resistant Building Envelope Components Using Uniform Static Air Pressure*

TAS 203-94, *Criteria for Testing Products Subject to Cyclic Wind Pressure Loading*

SECTION 4
MATERIAL SOURCE/INSTALLATION

Test specimen(s) were provided by the client. Representative samples of the test specimen(s) will be retained by Intertek B&C for a minimum of ten years from the test completion date.

Installation of the tested product was performed by the client.

SECTION 5
EQUIPMENT

BABS: 004869
Transducers: 65987, WT00139, 65989, WT00141, INT00147, INT00150, INT00146, INT00145, INT0153
Weather Station: 63316
Control Panel: 5644
Mule: A1225

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FIANDRE
Report No.: H5589.04-109-18
Date: 04/30/18

SECTION 6
LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
John Penta	StonePeak Ceramics, Inc.
Paul Virgilio S.E	Virgilio & Associates
Richard E. Hartman	Intertek B&C
Kyle W. Ruth	Intertek B&C
Timothy J. McGill	Intertek B&C
Joseph A. Reed, P.E.	Intertek B&C
Ken R. Stough	Intertek B&C

SECTION 7
TEST SPECIMEN DESCRIPTION

Product Type: Ventilated Façade System
Series/Model: GHS Maxi10 System

Product Size(s):

OVERALL AREA:	**WIDTH**		**HEIGHT**	
13.6 m² (146.6 ft²)	**millimeters**	**inches**	**millimeters**	**inches**
Overall size	4512	177-5/8	3019	118-7/8
Façade panel (3)	3000	118-1/8	1000	39-3/8
Façade panel (3)	1499	59	1000	39-3/8

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FIANDRE
Report No.: H5589.04-109-18
Date: 04/30/18

Frame Construction: **Test Specimens #1, #2 and #4 (CMU)**

FRAME MEMBER	MATERIAL	DESCRIPTION
Spacer and L-brackets	Aluminum	Stamped, single aluminum L-bracket, 1-9/16" wide by 2-15/16" long by 3-15/16" tall and secured to the CMU wall using one 3/8" diameter Hilti Kwik bolt per bracket utilizing a thermal isolator (plastic pad) between the bracket and the CMU wall. Refer to Drawing No. NOA-E01.
Spacer and L-brackets	Aluminum	Stamped, double aluminum L-bracket, 1-9/16" wide by 6-1/16" long by 3-15/16" tall and secured to the CMU wall using two 3/8" diameter Hilti Kwik bolt per bracket utilizing a thermal isolator (plastic pad) between the bracket and the CMU wall. Refer to Drawing No. NOA-E01.
Horizontal upper and lower profile	Aluminum	Extruded, powder coated (black) aluminum C-profile rails, four profiles 1-3/16" wide by 3-1/8" high secured to the vertical profile with two large head stainless steel rivets per vertical profile on the upper and one rivet on the lower profile.
Upper and lower C-clamp	Aluminum	Extruded, powder coated (black) aluminum C-clamp profile, 1-3/16" wide by 3-1/8" high secured to the backside of the ceramic panel with hidden mechanical Keil anchors, two per clamp.
Vertical profile	Aluminum	Extruded, powder coated (black) aluminum tube channel profile, seven profiles 2-3/8" wide by 2-3/8" high, secured to the L-bracket using two #10 x 3/4" self-tapping screws.

intertek
Total Quality. Assured.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FIANDRE
Report No.: H5589.04-109-18
Date: 04/30/18

Frame Construction: **Test Specimen #3 (Steel stud)**

FRAME MEMBER	MATERIAL	DESCRIPTION
L-brackets	Aluminum	Stamped, single aluminum L-bracket, 1-9/16" wide by 2-15/16" long by 3-15/16" tall and secured to the steel stud wall using one #10 x 3/4" self-tapping screws per bracket. Refer to Drawing No. NOA-E01.
L-brackets	Aluminum	Stamped, single aluminum L-bracket, 1-9/16" wide by 2-15/16" long by 3-15/16" tall and secured to the steel stud wall using two #10 x 3/4" self-tapping screws per bracket. Refer to Drawing No. NOA-E01.
Hat channel	Aluminum	Extruded, 4-3/4" wide by 1" tall, secured to the steel studs with two 1/4" x 1-3/4" Elco Bi-flex self-tapping screws per stud.
Hat Channel	Aluminum	Extruded, 8-1/16" wide by 1" tall, secured to the steel studs with two 1/4" x 1-3/4" Elco Bi-Flex self-tapping screws per stud.
Horizontal upper and lower profile	Aluminum	Extruded, powder coated (black) aluminum C-profile rails, four profiles 1-3/16" wide by 3-1/8" high secured to the vertical profile with two large head stainless steel rivets per vertical profile on the upper and one rivet on the lower profile.
Upper and lower C-clamp	Aluminum	Extruded, powder coated (black) aluminum C-clamp profile, 1-3/16" wide by 3-1/8" high secured to the backside of the ceramic panel with hidden mechanical Keil anchors, two per clamp.
Vertical profile	Aluminum	Extruded, powder coated (black) aluminum tube channel profile, seven profiles 2-3/8" wide by 2-3/8" high, secured to the L-bracket using two #10 x 3/4" self-tapping screws.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FIANDRE
Report No.: H5589.04-109-18
Date: 04/30/18

Panel Construction:

PANEL MEMBER	MATERIAL	DESCRIPTION
Façade panel large	Porcelain	Molded, 3/8" (10 mm) thick by 39-3/8" (1000 mm) wide by 118-1/8" (3000 mm) long with a synthetic fiber reinforcement mesh adhered to the back of the panel
Façade panel small	Porcelain	Molded, 3/8" (10 mm) thick by 39-3/8" (1000 mm) wide by 59" (1499 mm) long with a synthetic fiber reinforcement mesh adhered to the back of the panel

Reinforcement: No reinforcement was utilized.

Weatherstripping: No weatherstripping was utilized.

Drainage: No drainage was utilized.

Hardware: No hardware was utilized.

CMU Base Wall Construction: The perimeter frame was constructed utilizing C12 steel with butted and welded corners. A grout-filled CMU wall with nominal 8" by 8" by 16" masonry units was laid within the frame. The wall utilized mortar joints and steel rebar located every fourth hollow. The wall was secured to the steel frame at the jambs with 1/4" x 2" Tapcon anchors located 3" from each end and spaced 8" on center. The exterior perimeter was sealed with sealant.

Steel Stud Base Wall Construction: The perimeter frame was constructed utilizing C12 steel with butted and welded corners. The infill wall was constructed of nominal 16-gauge 2x6 steel track and studs spaced 16" on center. The stud wall was sheathed with, 5-ply, nominal 5/8" thick plywood and the interior perimeter was sealed with silicone.

intertek
Total Quality. Assured.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FIANDRE
Report No.: H5589.04-109-18
Date: 04/30/18

SECTION 8
TEST RESULTS

Protocol TAS 202-94, *Static Air Pressure*

Test Date(s): 02/15/18 through 02/28/18
The temperature during testing was 18°C (64°F). The results are tabulated as follows:

Test Specimen #1: Preload and Design Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	ALLOWED	MEASURED	ALLOWED
-66.75 50% of Test Pressure	1	0.09	N/A	0.02	N/A
	2	0.23	N/A	0.03	N/A
	3	0.14	N/A	0.03	N/A
	4	0.09	N/A	0.01	N/A
	5	0.19	N/A	0.04	N/A
	6	0.19	N/A	0.01	N/A
	7	0.08	N/A	0.01	N/A
	8	0.13	N/A	0.01	N/A
	9	0.13	N/A	0.01	N/A
-89.00 Design Pressure	1	0.14	N/A	0.03	N/A
	2	0.33	N/A	0.04	N/A
	3	0.22	N/A	0.05	N/A
	4	0.11	N/A	0.01	N/A
	5	0.28	N/A	0.07	N/A
	6	0.27	N/A	0.04	N/A
	7	0.10	N/A	0.01	N/A
	8	0.19	N/A	0.02	N/A
	9	0.19	N/A	0.02	N/A

Test Specimen #1: Structural Overload Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	ALLOWED	MEASURED	ALLOWED
-133.50 Test Pressure	1	0.31	N/A	0.07	N/A
	2	0.63	N/A	0.11	N/A
	3	0.48	N/A	0.15	N/A
	4	0.21	N/A	0.04	N/A
	5	0.59	N/A	0.18	N/A
	6	0.54	N/A	0.16	N/A
	7	0.17	N/A	0.01	N/A
	8	0.38	N/A	0.07	N/A
	9	0.35	N/A	0.07	N/A

intertek
Total Quality. Assured.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FIANDRE
Report No.: H5589.04-109-18
Date: 04/30/18

Test Specimen #3: Preload and Design Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	ALLOWED	MEASURED	ALLOWED
-66.75 50% of Test Pressure	1	0.30	N/A	0.06	N/A
	2	0.41	N/A	0.06	N/A
	3	0.34	N/A	0.06	N/A
	4	0.07	N/A	0.02	N/A
	5	0.33	N/A	0.05	N/A
	6	0.41	N/A	0.13	N/A
	7	0.06	N/A	0.01	N/A
	8	0.33	N/A	0.05	N/A
	9	0.35	N/A	0.10	N/A
-89.00 Design Pressure	1	0.39	N/A	0.03	N/A
	2	0.56	N/A	0.02	N/A
	3	0.45	N/A	0.03	N/A
	4	0.09	N/A	0.01	N/A
	5	0.45	N/A	0.03	N/A
	6	0.51	N/A	0.06	N/A
	7	0.08	N/A	0.01	N/A
	8	0.43	N/A	0.02	N/A
	9	0.45	N/A	0.05	N/A

Test Specimen #3: Structural Overload Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	ALLOWED	MEASURED	ALLOWED
-133.50 Test Pressure	1	0.79	N/A	0.11	N/A
	2	1.11	N/A	0.12	N/A
	3	0.96	N/A	0.14	N/A
	4	0.30	N/A	0.03	N/A
	5	0.97	N/A	0.15	N/A
	6	1.04	N/A	0.16	N/A
	7	0.29	N/A	0.04	N/A
	8	0.87	N/A	0.09	N/A
	9	0.92	N/A	0.13	N/A

Note 1: *Negative uniform static load test loads were held for 30 seconds.*

Note 2: *Tape and film were used to seal against air leakage during structural testing. In our opinion, the tape and film did not influence the results of the test.*

Note 3: *See Sketch #1 for indicator locations.*

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FIANDRE
Report No.: H5589.04-109-18
Date: 04/30/18

Protocol TAS 203-94, *Cyclic Wind Pressure Loading*

Test Date(s): 02/16/18
The temperature during testing was 17°C (63°F). The results are tabulated as follows:

Test Specimen #1: Cyclic Test Spectrum and Average Cycle Time per TAS 203

DESIGN PRESSURE	**STAGE**		
-89.0 psf	**1**	**2**	**3**
NEGATIVE PRESSURE RANGE (psf)	0 – 44.5	0 – 53.4	0 – 115.7
AVERAGE CYCLE TIME (sec.)	3.1	3.6	N/A
NUMBER OF CYCLES	600	70	1

Test Specimen #1: Negative Cyclic Load per TAS 203

INDICATOR LOCATION	**MAXIMUM DEFLECTION (in.)**	**PERMANENT SET (in.)**	**PERCENT RECOVERY**	
			MEASURED %	**ALLOWED %**
1	0.20	0.02	90	> 90
2	0.45	0.02	96	> 90
3	0.30	0.01	97	> 90
4	0.14	0.01	93	> 90
5	0.42	0.07	83	> 90
6	0.32	0.01	97	> 90
7	0.13	<0.01	100	> 90
8	0.27	0.01	96	> 90
9	0.23	0.01	96	> 90

Note 4: *See Sketch #1 for indicator locations.*

intertek
Total Quality. Assured.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FIANDRE
Report No.: H5589.04-109-18
Date: 04/30/18

Protocol TAS 203-94, *Cyclic Wind Pressure Loading*

Test Date(s): 02/16/18
The temperature during testing was 17°C (63°F). The results are tabulated as follows:

Test Specimen #2: Cyclic Test Spectrum and Average Cycle Time per TAS 203

DESIGN PRESSURE	**STAGE**		
-89.0 psf	**1**	**2**	**3**
NEGATIVE PRESSURE RANGE (psf)	0 – 44.5	0 – 53.4	See Note 5
AVERAGE CYCLE TIME (sec.)	3.0	3.0	N/A
NUMBER OF CYCLES	600	70	1

Note 5: *Failed at 113.7 psf at the bottom left panel while attempting to achieve 115.7 psf for the 0-130% pressure range. This specimen will be re-constructed and re-tested as Specimen #4.*

Test Specimen #3: Cyclic Test Spectrum and Average Cycle Time per TAS 203

DESIGN PRESSURE	**STAGE**		
-89.0 psf	**1**	**2**	**3**
NEGATIVE PRESSURE RANGE (psf)	0 – 44.5	0 – 53.4	0 – 115.7
AVERAGE CYCLE TIME (sec.)	3.0	3.0	N/A
NUMBER OF CYCLES	600	70	1

Test Specimen #3: Negative Cyclic Load per TAS 203

INDICATOR LOCATION	**MAXIMUM DEFLECTION (in.)**	**PERMANENT SET (in.)**	**PERCENT RECOVERY**	
			MEASURED %	**ALLOWED %**
1	0.55	0.02	96	> 90
2	0.82	0.01	99	> 90
3	0.71	0.05	93	> 90
4	0.35	0.17	51	> 90
5	0.86	0.19	78	> 90
6	0.75	0.01	99	> 90
7	0.17	<0.01	100	> 90
8	0.65	0.03	95	> 90
9	0.65	0.01	98	> 90

Note 6: *See Sketch #1 for indicator locations.*

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FIANDRE
Report No.: H5589.04-109-18
Date: 04/30/18

Protocol TAS 203-94, *Cyclic Wind Pressure Loading*

Test Date(s): 02/16/18
The temperature during testing was 17°C (63°F). The results are tabulated as follows:

Test Specimen #4 (Replacement for Failed Specimen #2): Cyclic Test Spectrum and Average Cycle Time per TAS 203

DESIGN PRESSURE	STAGE		
-89.0 psf	1	2	3
NEGATIVE PRESSURE RANGE (psf)	0 – 44.5	0 – 53.4	0 – 115.7
AVERAGE CYCLE TIME (sec.)	3.00	3.00	N/A
NUMBER OF CYCLES	600	70	1

Test Specimen #4 (Replacement for Failed Specimen #2): Negative Cyclic Load per TAS 203

INDICATOR LOCATION	MAXIMUM DEFLECTION (in.)	PERMANENT SET (in.)	PERCENT RECOVERY	
			MEASURED %	ALLOWED %
1	0.19	0.04	79	> 90
2	0.44	0.07	84	> 90
3	0.26	0.07	73	> 90
4	0.16	0.01	94	> 90
5	0.31	0.06	81	> 90
6	0.33	0.05	85	> 90
7	0.11	0.01	91	> 90
8	0.19	0.02	89	> 90
9	0.25	0.03	88	> 90

Note 7: *See Sketch #1 for indicator locations.*

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

SECTION 9
CONCLUSIONS

No signs of failure were observed in any area of Test Specimen #1 or Test Specimen #3 during the TAS 202 testing; as such, the test specimens satisfy the requirements of TAS 202. Upon completion of testing, specimens tested for TAS 202-94 met the requirements of Section 1620 of the Florida Building Code, Building.

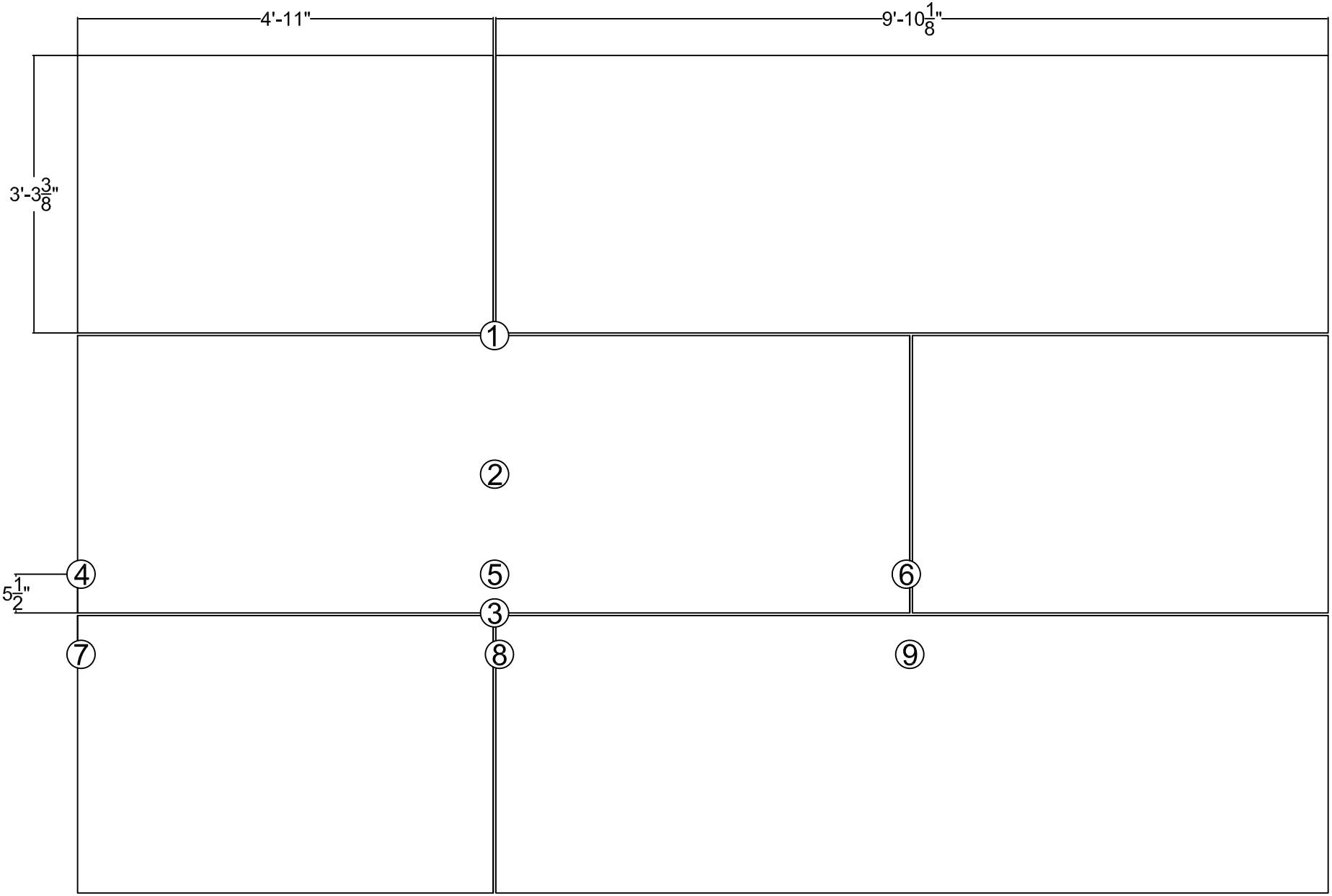
No signs of failure were observed in any area of Test Specimen #1, Test Specimen #3 or Test Specimen #4 during the cyclic load test; as such, the test specimens satisfy the cyclic load requirements of TAS 203. Upon completion of testing, specimens tested for TAS 203-94 met the requirements of Section 1625 of the Florida Building Code, Building.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

SECTION 10
SKETCH(ES)

REV	DATE	DESCRIPTION	BY



INDICATOR LOCATIONS

PROJECT NO.	PROJECT NAME:		DRAWING	DWG. BY:	SHEET
H5589.01 109 – 18	TAS 202 & TAS 203 EVALUATION CLIENT: STONEPEAK CERAMICS, INC	Architectural Testing	SKETCH #1 INDICATOR LOCATIONS	EMB DATE: 3/14/18	1 OF 1

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FIANDRE
Report No.: H5589.04-109-18
Date: 04/30/18

SECTION 11
PHOTOGRAPHS

Photo No. 1
CMU Wall Setup

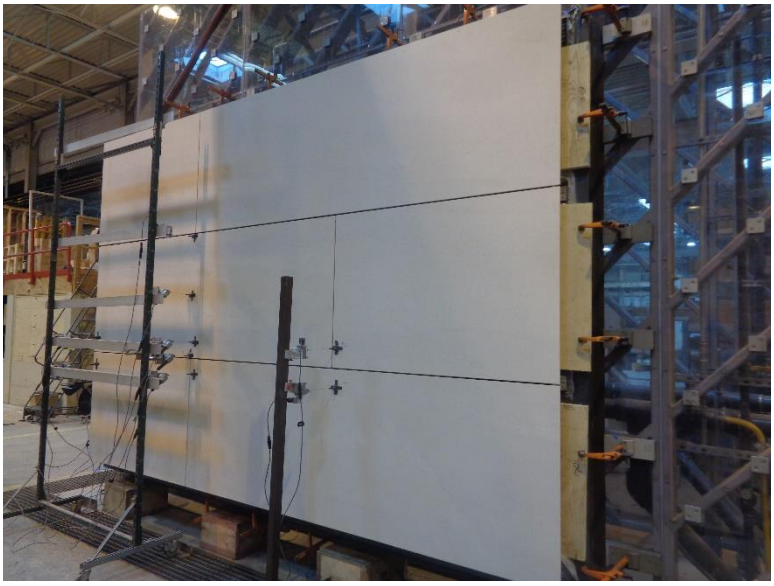


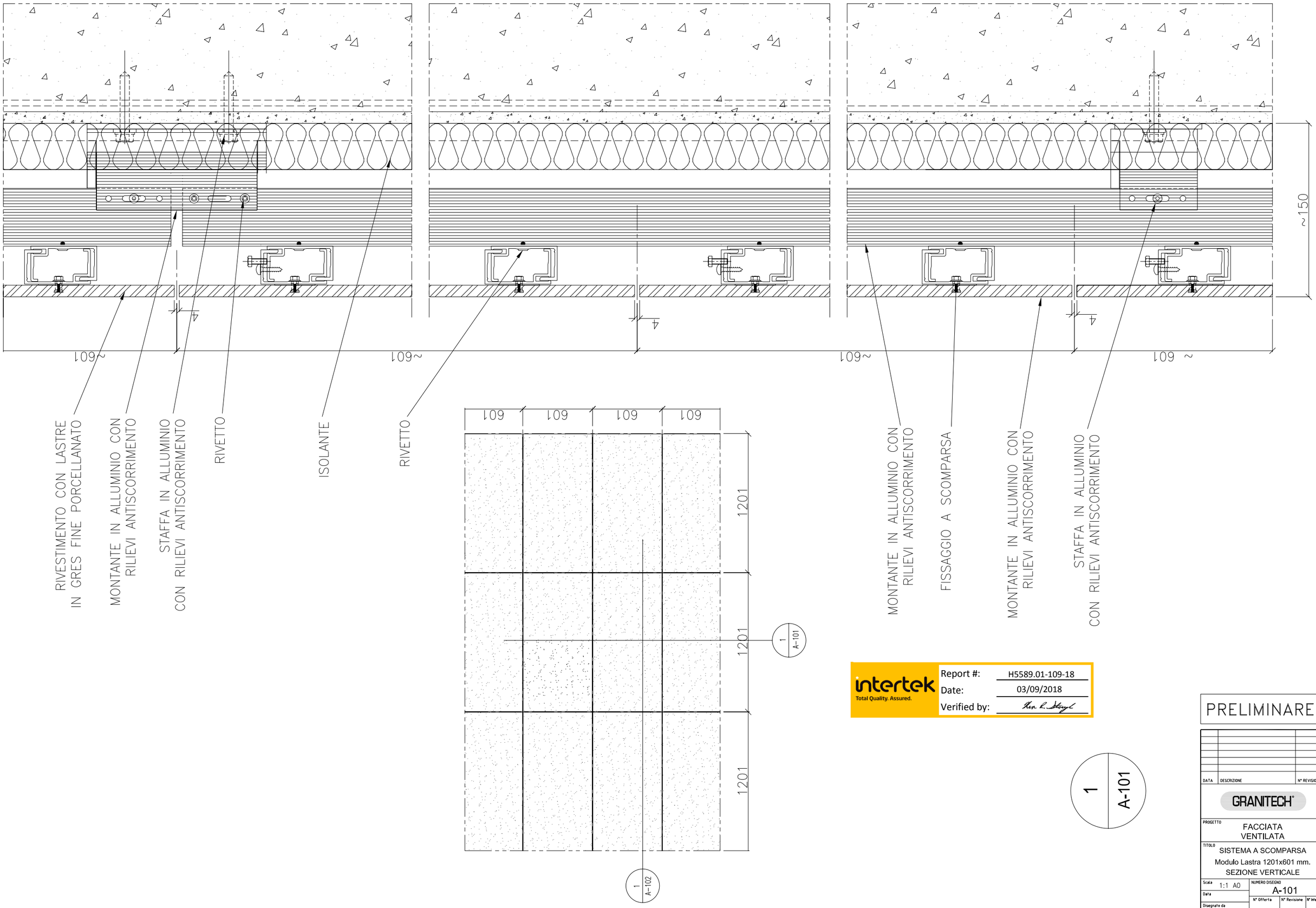
Photo No. 2
Steel Stud Wall Setup

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

SECTION 12
DRAWINGS

The test specimen drawings have been reviewed by Intertek B&C and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Intertek B&C per the drawings included in this report. Any deviations are documented herein or on the drawings.



intertek
Total Quality. Assured.

Report #: H5589.01-109-18
Date: 03/09/2018
Verified by:

1
A-101

PRELIMINARE

DATA	DESCRIZIONE	N° REVISIONE

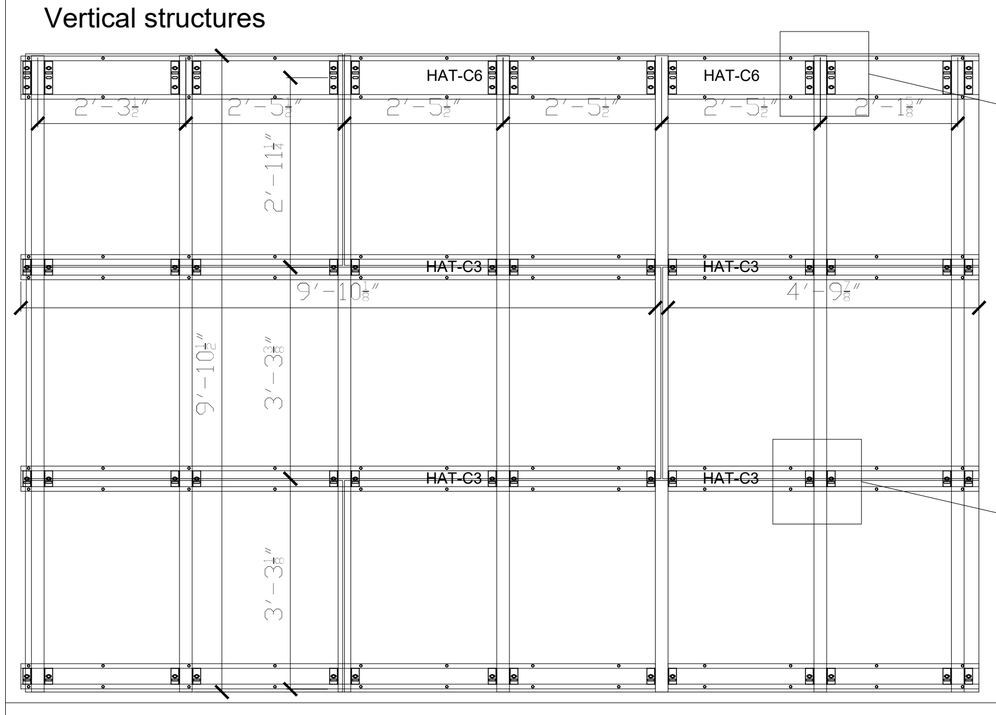
GRANITECH

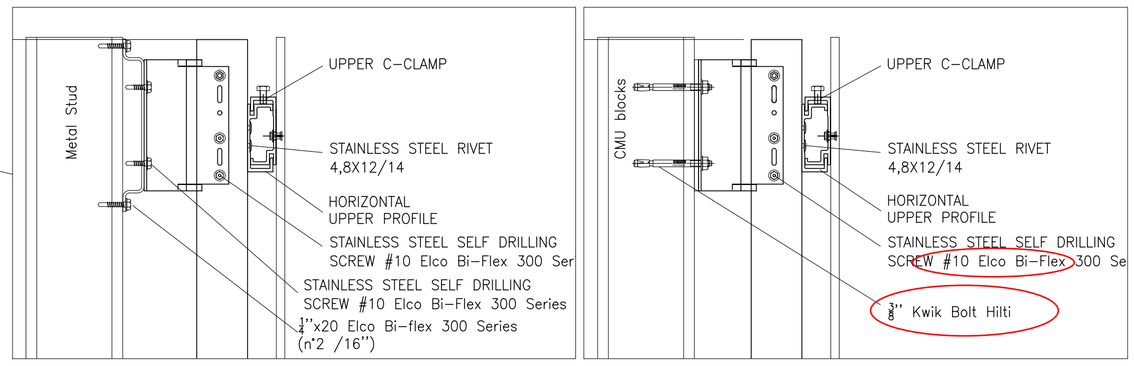
PROGETTO
FACCIATA VENTILATA

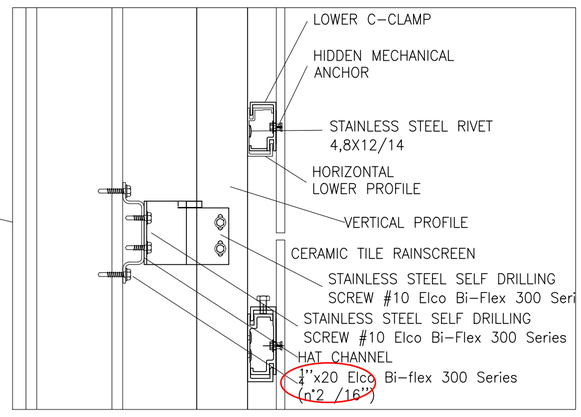
TITOLO
SISTEMA A SCOMPARSA
Modulo Lastra 1201x601 mm.
SEZIONE VERTICALE

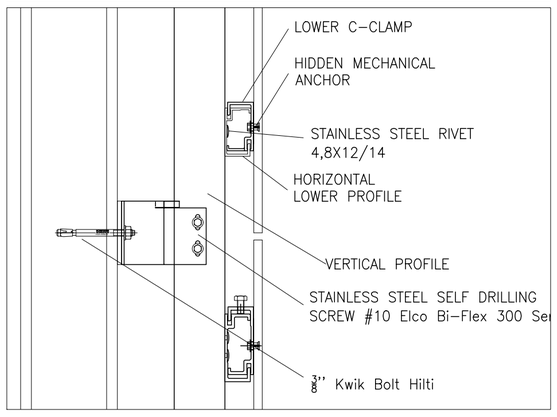
Scala 1:1 A0
NUMERO DISEGNO A-101
Data
N° Offerta | N° Revisione | N° Interno
Disegnato da

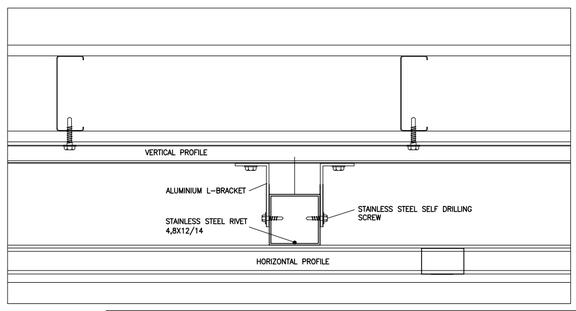
Vertical structures

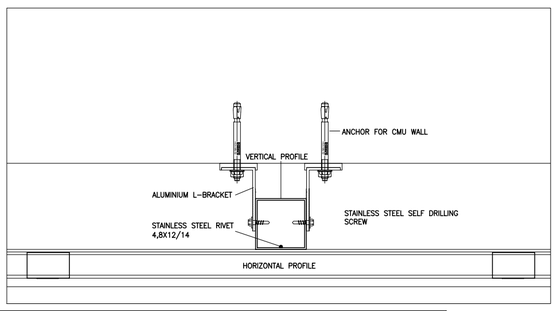




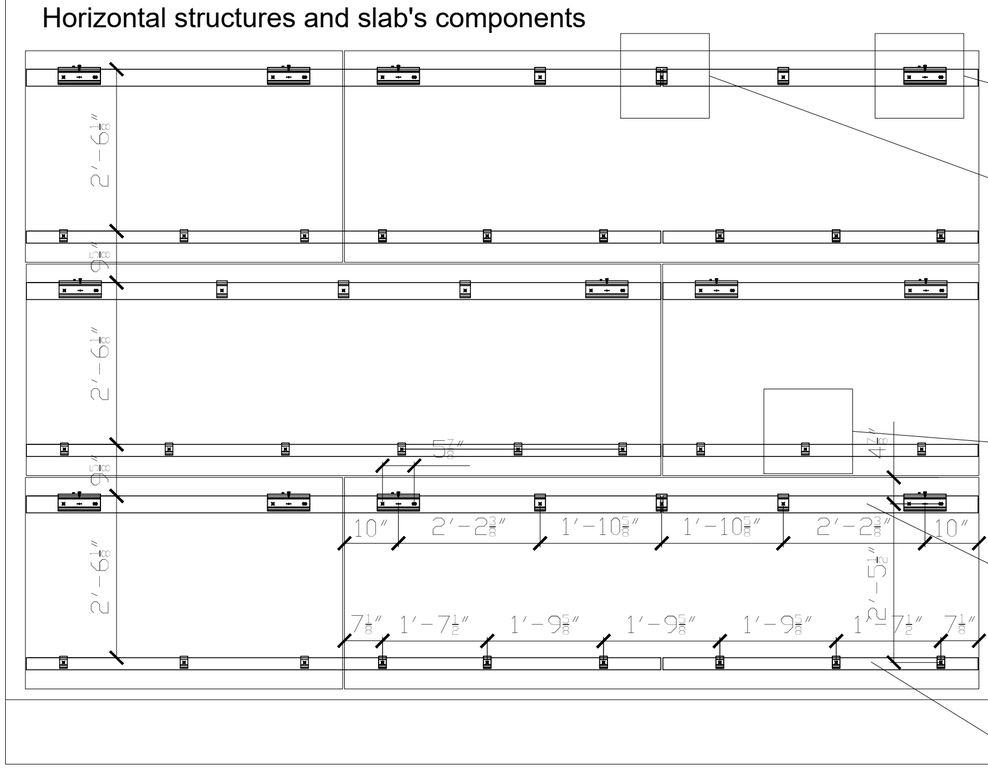




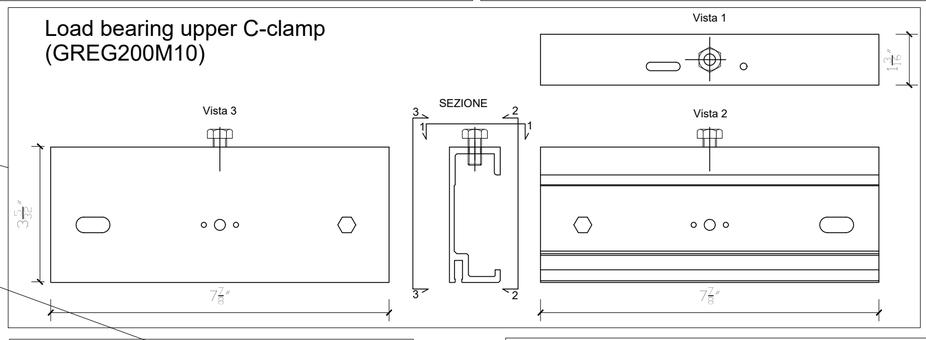




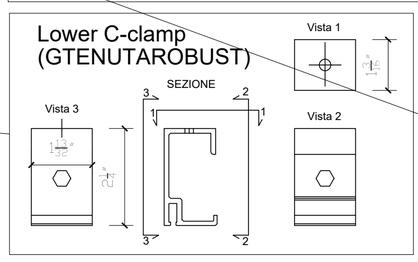
Horizontal structures and slab's components



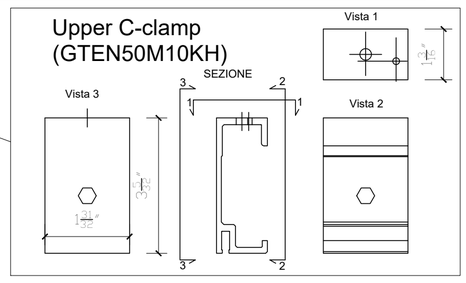
Load bearing upper C-clamp (GREG200M10)



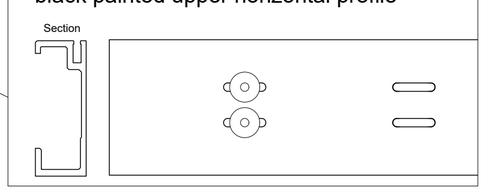
Lower C-clamp (GTENUTAROBUST)

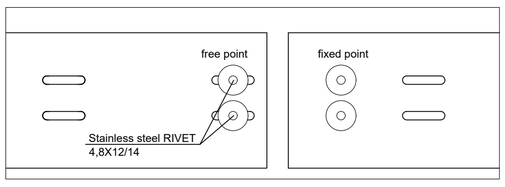


Upper C-clamp (GTEN50M10KH)

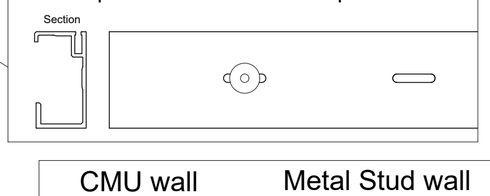


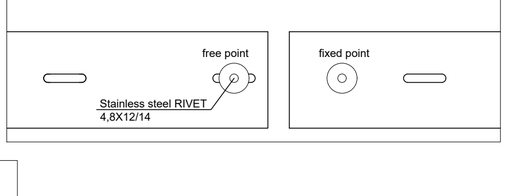
black painted upper horizontal profile



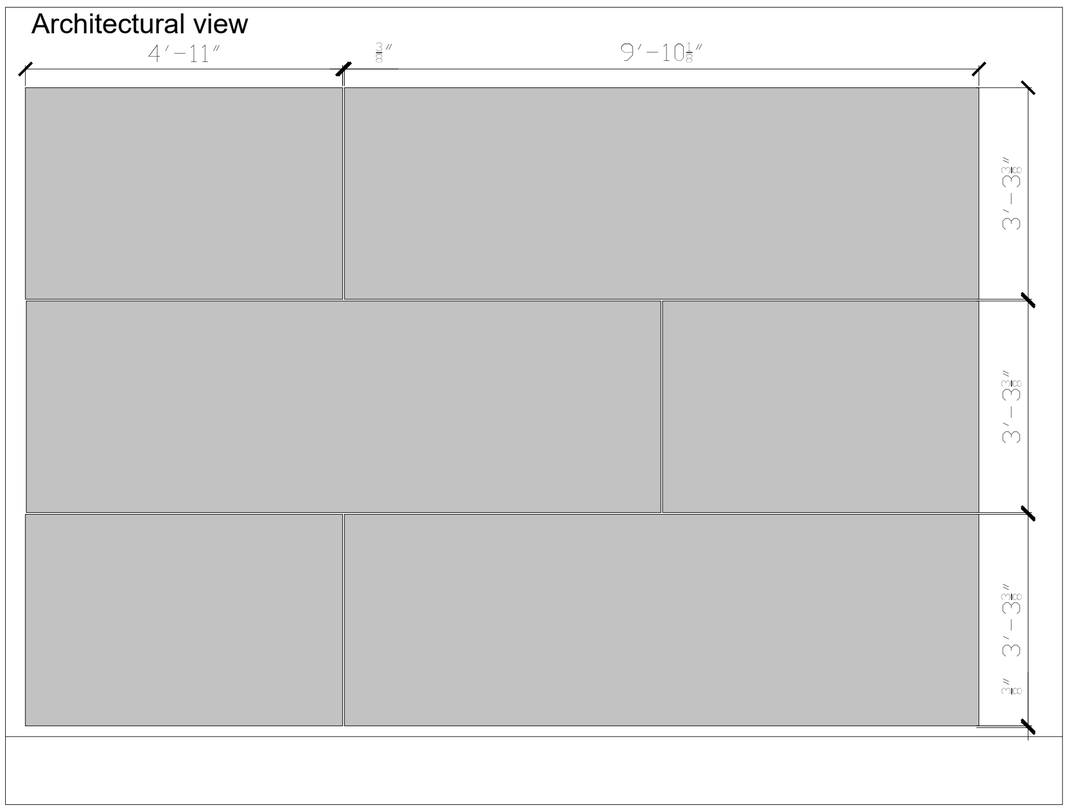


black painted lower horizontal profile

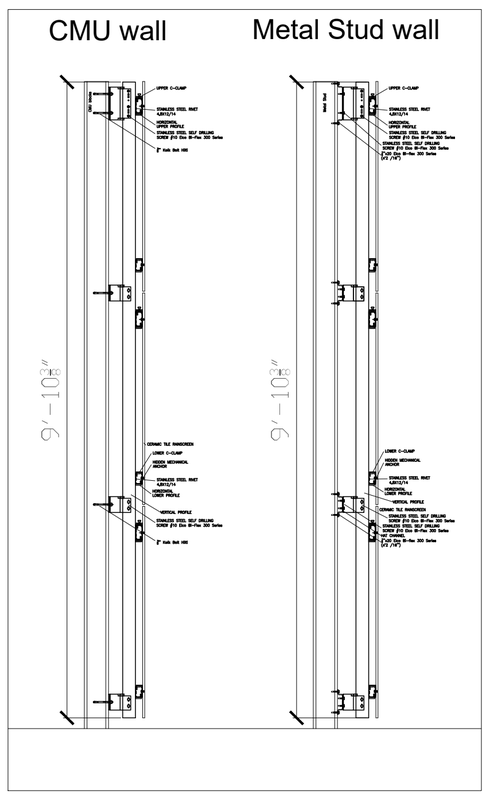




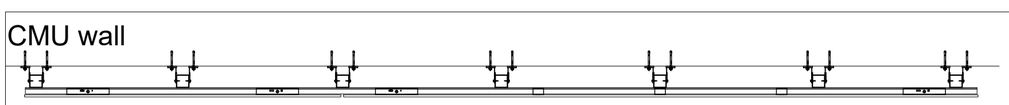
Architectural view



CMU wall / Metal Stud wall



CMU wall



Metal Stud wall

intertek Total Quality. Assured.
Report #: H5589.01-109-18
Date: 03/09/2018
Verified by:

DATA	DESCRIZIONE	N° REVISIONE
-	-	-
-	-	-
03	correct dimension scale. Changes about screws	07/02/18
02	mockup size reduction	23/01/18

GRANITECH®

PROGETTO
VENTIALTED FACADE

TITOLO
NOA test specimen
GHS Maxi10 System

Scala	NUMERO DISEGNO		
	NOA-E01		
Data 7/02/18	N° Offerta	N° Revisione 03	N° Interno
Disegnato da F.B.			

GRANITECH

ARCHITECTURAL COMPONENTS

PROJECT	DATE:	
NOATEST	05/12/2017	
Ventilated Façade N°	BY	REVISION
	F.B.	01

ANCHORS

MECCANICO MAGGIORATO		M	ANCHORS — ca
CHIMICO	(CC se certificato) CC	C	Axis Vertical Profile (to define rivet) 0,95 ml.
TASSELLO HRD PER PARETE CACESTRUZZO		CA	SYSTEM S 5,5 (keil)
			(GHV=V , GHS=S, Maxi light = ML)

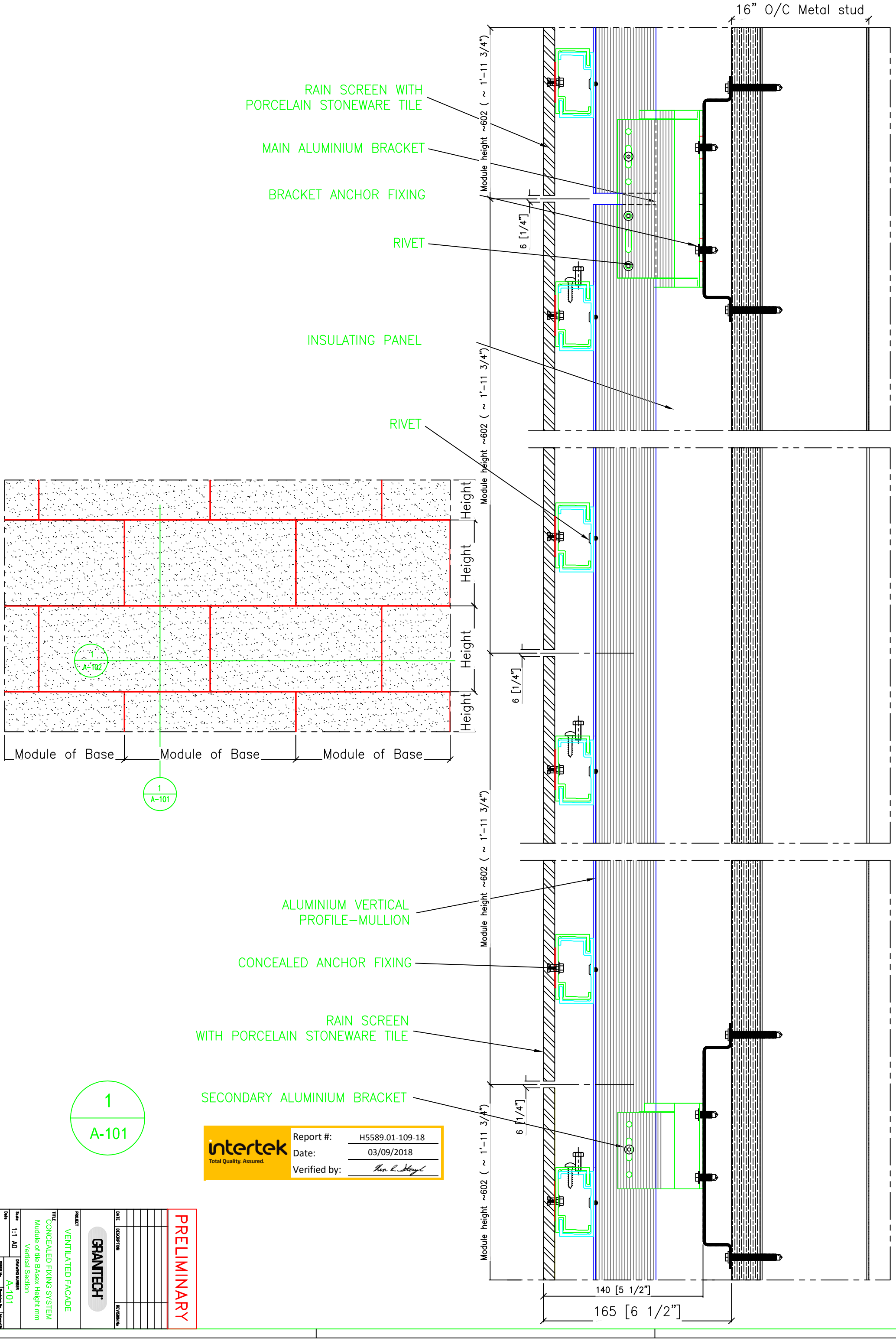
		Codice X-CER	TONO		UM	pcs	stock	adjusted	TOTAL
	T-Profiles **6100mm**	MONTANTE	6100		pz			-	-
	T-Profiles **3600 mm**	MONTANTE	3610		pz	-	-	-	-
	Tube-Profiles 123x66	TUBOL123X66			pz		-	-	-
	Tube-Profiles 60x60x2 **6000mm**	TUBOL60X60X2			pz	19	-	1	**20**
	Tube-Profiles 60x30x2 **6100 mm**	TUBOL60X30X2	6100		pz		-	-	-
	L - Profiles 50x50x2 **6000 mm**	PROFIL50X50X2	6000		pz		-	-	-
	Horizontal C-Rails	TRAVERSO6,3	ASVE		pz	12		-	**12**
	Traverso Maxi10	TRAVERSMAXI10			pz	12			**12**
						-	-	-	-
0	Anchor keil for hole 5,5 + screws M6X8,5	TASSELLOHS5.5	9999	0	pz	-	-		-
1	Anchor keil for hole 7 + screws M6X10	TASSELLOHS7,0		1	pz	144	-	206	**350**
	Top adjusting Clamp with Leveling Screw	GREGROBUSTA			pz		-		-
	Bottom Clamp	GTENUTAROBUST			pz	144	-	56	**200**
						-	-	-	-
	Graffa di regolazione Maxi 10-200	GREG200M10	E1281.043			60			**60**
	Graffa di regolazione Maxi 10-50	GREG50M10KH	E1281.041			-		-	-
	Graffa di tenuta Maxi 10-50	GTEN50M10KH	E1281.042			54		6	**60**
	L-Bracket Single (Secondary) Bracket 50 x h 75mm	ST3-40X50X75	2ASO		pz			-	-
	L-Bracket Single (Secondary) Bracket 75 x h 75mm	ST3-40X75X75	2ASO		pz	-		-	-
	L-Bracket Single (Secondary) Bracket 100 x h 75mm	ST4-40X100X75	2ASO		pz	162		18	**180**
	L-Bracket - Double (Main) Bracket 100 x h 155	ST240X100X155			pz	108	-	12	**120**
	Thermal spacer for Brackets	ACCESDISTSTAF			pz	189	-	11	**200**
	Attachment Rivets Black Painted - Head Stainless Steel Rivets	RIV3,2X8INOX			pz	-	-		-
0,0	Attachment Rivets Black Painted - Large Head Aluminium Rivets	RIV.4,8X12X14		0	pz	-			-
1,0	Attachment Rivets - Large Head Stainless Steel Rivets	RIV.INOX		1	pz	582	-	- 82	**500**
	Top Clamp (Self-Tapping) Anchor Screw #8 SS Screw 1" Self Tapping	vite4,8x19			pz	72	-	28	**100**
	Gasket for GHS Clamps	GUARNIZIONI			n.	144	-	196	**340**
						-	-	-	-
						-	-	-	-

intertek Total Quality. Assured.

Report #: H5589.01-109-18

Date: 03/09/2018

Verified by:



intertek
Total Quality. Assured.

Report #: H5589.01-109-18
Date: 03/09/2018
Verified by:

PRELIMINARY

GRANTECH

PROJECT: VENTILATED FACADE

TITLE: CONCEALED FIXING SYSTEM
Mudule of tile BAsex Height mm
Vertical Section

Scale: 1:1 A0
Date:
Drawn By:
DRAWING NUMBER: A-101
OFFER No:
Revision No:
Internal No:

DATE | DESCRIPTION | REVISION No

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

SECTION 13
REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	04/30/18	N/A	Original Report Issue