

GAMCO CORPORATION MOCK-UP SUMMARY TEST REPORT

SCOPE OF WORK

PERFORMANCE MOCK-UP TESTING

REPORT NUMBER

M2387.02-120-32 R0

TEST DATES

05/14/21 - 06/02/21

ISSUE DATE

06/15/21

RECORD RETENTION END DATE

06/02/25

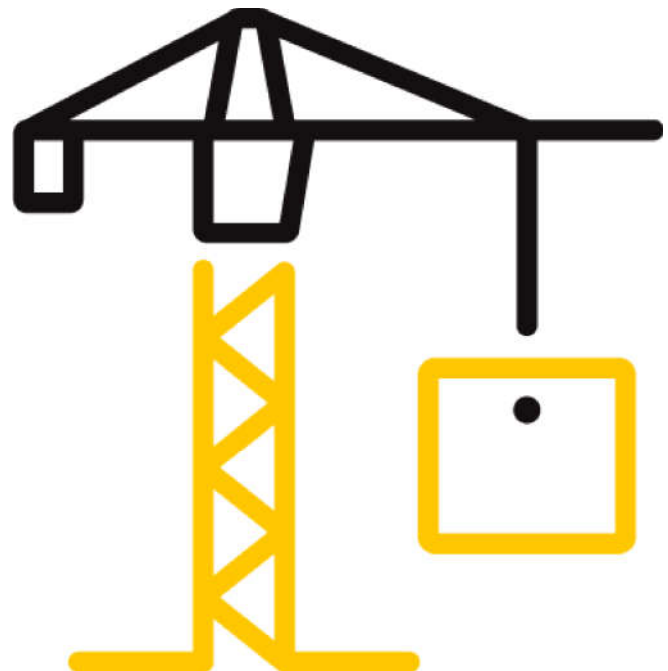
PAGES

29

DOCUMENT CONTROL NUMBER

RT-R-AMER-Test-2744 (04/05/18)

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SUMMARY TEST REPORT FOR GAMCO CORPORATION

Report No.: M2387.02-120-32 R0

Date: 06/15/21

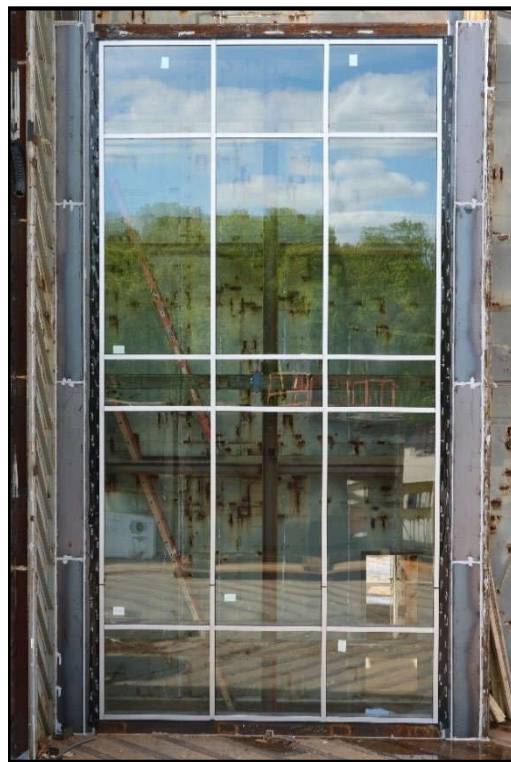
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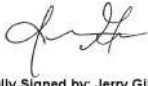
131-10 Maple
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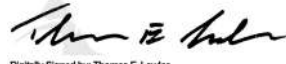
PROJECT

TWIN SPAN LAB PMU



For INTERTEK B&C:

COMPLETED BY:	Jerry B. Gibboney Jr. Technician II – Intertek Project Testing
TITLE:	
SIGNATURE:	 Digitally Signed by: Jerry Gibboney
DATE:	06/15/21

COMPLETED BY:	Thomas E. Lawlor Manager – Project Testing
TITLE:	
SIGNATURE:	 Digitally Signed by: Thomas E. Lawlor
DATE:	06/15/21

JBG:rdw

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SUMMARY TEST REPORT FOR GAMCO CORPORATION

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Date: 06/15/21

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by Gamco Corporation to conduct performance testing on a curtain wall mock-up for the above referenced project at the Intertek test facility in York, PA. Results obtained are tested values and were secured in accordance with the attached test procedure dated 04/26/2021 and revised 06/02/2021. This report includes written and photographic documentation of testing performed. For comprehensive testing documentation, reference Test Report M2387.01-120-32 R0.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. This report and related test records that are retained such as "As-Built" mock-up drawings, datasheets, representative samples of test specimens, or other pertinent project documentation will be serviced by Intertek B&C for the entire test record retention period. At the end of this retention period, such materials shall be discarded without notice and the service life of this report by Intertek B&C will expire.

SECTION 2

TEST METHODS

Mock-up testing was performed in accordance with referenced test methods as specified in the bid documents.

Air Infiltration/Exfiltration: ASTM E283/E283M-19, *Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen*. Testing was conducted at 6.24 psf positive and negative static air pressure difference.

Static Pressure Water Resistance: ASTM E331-00(2016), *Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference*. Testing was conducted at 15.0 psf positive static air pressure difference for a 15-minute duration. Water was applied to the mock-up at a minimum rate of 5 gal/ft²/hr.

Dynamic Pressure Water Resistance: AAMA 501.1-17, *Standard Test Method for Water Penetration of Windows, Curtain Walls and Doors Using Dynamic Pressure*. Testing was conducted with a dynamic pressure equivalent of 15.0 psf for a 15-minute duration. Water was applied to the mock-up at a minimum rate of 5 gal/ft²/hr.

Structural Performance: ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Door, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*. Testing was conducted at positive and negative loads as described in the test procedure and listed in the test results.



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TEST METHODS (Continued)

Interstory Vertical Displacement Test: AAMA 501.7-17, *Recommended Static Test Method for Evaluating Windows, Window Wall, Curtain Wall and Storefront Systems Subjected to Vertical Inter-Story Movements.* Three complete cycles shall be performed in the vertical direction at the floor simulation. Testing was conducted at design displacement as described in the test procedure Test No. 5 and listed in the test results. The mock-up was inspected prior to and after the test.

Interstory Horizontal Displacement Test: AAMA 501.4-18, *Recommended Static Test Method for Evaluating Curtain Wall and Storefront Systems Subjected to Seismic and Wind Induced Interstory Drifts.* Three complete cycles shall be performed in the horizontal direction at the floor simulation. Testing was conducted at design displacement as described in the test procedure Test No. 8 and listed in the test results. The mock-up was inspected prior to and after the test.

Thermal Cycling: AAMA 501.5-07, *Test Method for Thermal Cycling of Exterior Walls.* Reference should be made to Test No. 11 in the attached test procedure and to the Test Results. The mock-up was inspected prior to and after the test.

SECTION 3

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Lelina Chang	Gamco
Melora Chang	Gamco
Konrad Sklodowski	Gamco
Ronald Chow	Gamco

SECTION 4

GENERAL MOCK-UP DESCRIPTION

Project Type

Aluminum and glass curtain wall system.

Mock-Up Size

Window Wall-Front: 15' 6" wide by 30' 0" high.

Material Source/Installation

The mock-up materials/components were supplied and installed by representatives from Gamco Corporation. The mock-up was installed in a steel chamber enclosure constructed by Intertek.



SUMMARY TEST REPORT FOR GAMCO CORPORATION

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Date: 06/15/21

**SECTION 5
FINAL TEST RESULTS**

DATE:	05/17/2021	TEMP:	67.2°F	BP:	29.76 inHg
TITLE OF TEST		MEASURED		ALLOWED	
Preload @ +20.0 psf		No visible damage		No visible damage	
Static Pressure Air Infiltration @ +6.24 psf		PASSED			
Fixed		≤0.01 cfm/ft ²		0.06 cfm/ft ² max.	
Static Pressure Water Resistance @ +15.0 psf		PASSED			
		No uncontrolled leakage		No uncontrolled leakage	
DATE:	05/18/2021	TEMP:	72.3°F	BP:	29.81 inHg
TITLE OF TEST		MEASURED		ALLOWED	
Dynamic Pressure Water Resistance @ 15.0 psf		PASSED			
		No uncontrolled leakage		No uncontrolled leakage	
Interstory Vertical Displacement @ ±0.300" (3 cycles)		PASSED			
		No visible damage		No visible damage	
Static Pressure Air Infiltration @ +6.24 psf		PASSED			
Fixed		≤0.01 cfm/ft ²		0.06 cfm/ft ² max.	
Static Pressure Water Resistance @ +15.0 psf		PASSED			
		No uncontrolled leakage		No uncontrolled leakage	
Interstory Horizontal Parallel (Left/Right) Displacement @ ±0.375" (3 cycles)		PASSED			
		No visible damage		No visible damage	
Static Pressure Air Infiltration @ +6.24 psf		PASSED			
Fixed		≤0.01 cfm/ft ²		0.06 cfm/ft ² max.	
Static Pressure Water Resistance @ +15.0 psf		PASSED			
		No uncontrolled leakage		No uncontrolled leakage	
DATE through DATE:	05/25/2021 through 05/27/2021				
TITLE OF TEST		MEASURED		ALLOWED	
Thermal Cycling @ -20.0°F—+180.0°F (3 Cycles)		PASSED			
		No visible damage		No visible damage	



SUMMARY TEST REPORT FOR GAMCO CORPORATION

Report No.: M2387.02-120-32 R0

Date: 06/15/21

FINAL TEST RESULTS (CONTINUED)

DATE:	06/02/2021	TEMP:	74.7°F	BP:	29.64 inHg
TITLE OF TEST	MEASURED	ALLOWED			
Static Pressure Air Infiltration @ +6.24 psf	PASSED				
Fixed	≤0.01 cfm/ft ²	0.06 cfm/ft ² max.			
Static Pressure Water Resistance @ +15.0 psf	PASSED				
	No uncontrolled leakage	No uncontrolled leakage			
Uniform Load Deflection @ +20.0 psf (Preload)	PASSED				
@ +40.0 psf (Design Load)	No visible damage	No visible damage			
@ - 20.0 psf (Preload)	See Table #1 and Sketch #1.	See Table #1 and Sketch #1.			
@ - 40.0 psf (Design Load)					
Static Pressure Air Infiltration @ +6.24 psf	PASSED				
Fixed	≤0.01 cfm/ft ²	0.06 cfm/ft ² max.			
Static Pressure Water Resistance @ +15.0 psf	PASSED				
	No uncontrolled leakage	No uncontrolled leakage			
Uniform Load Deflection @ +25.0 psf (Preload)	PASSED				
@ +50.0 psf (Design Load)	No visible damage	No visible damage			
@ - 25.0 psf (Preload)	See Table #2 and Sketch #1.	See Table #2 and Sketch #1.			
@ - 50.0 psf (Design Load)					
Repeat Static Pressure Air Infiltration @ +6.24 psf	PASSED				
Fixed	≤0.01 cfm/ft ²	0.06 cfm/ft ² max.			
Static Pressure Water Resistance @ +15.0 psf	PASSED				
	No uncontrolled leakage	No uncontrolled leakage			
Uniform Structural Overloads @ +37.5 psf (Preload)	PASSED				
@ +75.0 psf (Overload)	No visible damage	No visible damage			
@ - 37.5 psf (Preload)	See Table #3 and Sketch #1.	See Table #3 and Sketch #1.			
@ - 75.0 psf (Overload)					
Seismic Horizontal Displacement Parallel @ ±1.625" (3 cycles)	PASSED				



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SECTION 6

CONCLUSION

The mock-up met the specified performance requirements.

Regarding the glass tested, no conclusions of any kind regarding the adequacy or inadequacy of the glass in the test specimen are to be drawn from the test. Tape or film, or both, were used to seal against air leakage; this did not influence the results of the testing.





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SUMMARY TEST REPORT FOR GAMCO CORPORATION

Report No.: M2387.02-120-32 R0

Date: 06/15/21

SECTION 7 TEST PROCEDURE





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**MOCK-UP TEST PROCEDURE
TWIN SPAN LAB PMU**

Project No.: M2387.01-120-32

Date: 04/26/21

R1 06/2/2021

RENDERED TO

GAMCO CORPORATION

131-10 Maple

Flushing, NY 13355

PROJECT

TWIN SPAN LAB PMU

Mock-up testing for Twin Span Lab PMU shall be performed in accordance with referenced test methods as specified in the bid documents. Mock-up testing shall be observed by the Engineer and/or the Owner, Architect, and their consultants during construction and testing. All pretesting shall be documented and included in the comprehensive test report.

The final test procedure shall be as follows:

1. **PRELOAD (ASTM E330)**

To set the specimen for testing, a positive pressure differential (inward acting) of **20.0 psf** (50% design load) will be held for a minimum of ten (10) seconds and then released. The wall and anchoring will be inspected for any failure.

Allowable

No visible signs of failure shall be allowed.

2. **STATIC AIR INFILTRATION TEST (ASTM E283)**

The mock-up exterior face will be covered with polyethylene (plastic sheeting). The mock-up will then be subjected to a positive static pressure differential of **6.24 psf**. The air infiltration required to maintain the air pressure differential is measured. The polyethylene will be removed, and the mock-up specimen will again be subjected to a positive static pressure differential of **6.24 psf**. Air infiltration will be measured. The total air infiltration reading represents the amount of air through the specimen including chamber tare. Subtracting the chamber tare from the latter total reading yields the net amount of air infiltration through the mock-up. Dividing the mock-up air leakages by the mock-up area yields the air infiltration rate.

Allowable

Air infiltration shall not exceed **0.06 cfm** per square foot of fixed wall area.



MOCK-UP TEST PROCEDURE

TWIN SPAN LAB PMU

Project No.: M2387.01-120-32

Date: 04/26/21

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3. STATIC WATER PENETRATION TEST (ASTM E331)

A fifteen (15) minute water penetration test will be conducted on the wall system with a water application rate of 5 gal/hr/ft² at a pressure differential of **15.0 psf**.

Allowable

No uncontrolled water penetration.

Note: Water penetration is defined as the appearance of uncontrolled water on the indoor face of any part of the work. "Controlled" water or condensation is that which is demonstrably drained harmlessly to the exterior of the work without endangering or wetting adjacent surfaces or insulation, and not visible in the final construction. This definition and conditions are relevant to all water tests, both static and dynamic, throughout this procedure.

4. DYNAMIC WATER PENETRATION (AAMA 501.1)

A fifteen (15) minute water penetration test will be conducted on the system with a water application rate of 5 gal/hr/ft² and dynamic air stream equivalent to static pressure of **15.0 psf**.

Allowable

No uncontrolled water penetration.

5. INTERSTORY DIFFERENTIAL VERTICAL MOVEMENT TEST (AAMA 501.7)

Three (3) complete cycles shall be performed uniformly in the vertical direction at the intermediate slab simulation. Vertical movement will be **0.300"** down, back to zero, **0.300"** up, and then back to zero (one cycle)

**At completion of the final vertical movement cycle, the movement slab shall be left in the maximum open position. The slab will remain at this position for the remainder of the test procedure.*

Allowable

There shall be no failure or gross permanent distortion of anchors, frame, glass, or panels. Structural silicone shall not experience adhesive or cohesive failure along any glass, frame, or panel edge. Glazing gaskets may not disengage, and weather seals may not fail.



MOCK-UP TEST PROCEDURE

TWIN SPAN LAB PMU

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6. REPEAT STATIC AIR INFILTRATION TEST (ASTM E283)

The mock-up specimen will be subjected to a positive static pressure differential of **6.24 psf**. Air infiltration will be measured.

Allowable

Air infiltration shall not exceed **0.06 cfm** per square foot of fixed wall area.

7. REPEAT STATIC WATER PENETRATION TEST (ASTM E331)

Repeat Test No. 3 as stated above.

8. INTERSTORY DIFFERENTIAL HORIZONTAL MOVEMENT TEST (AAMA 501.4)(LEFT-RIGHT)

Three (3) complete cycles shall be performed in the horizontal direction parallel to the main elevation at the intermediate slab simulation. Parallel horizontal movement will be **0.375"** to the left, back to zero, **0.375"** to the right, and then back to zero (one cycle).

Allowable

There shall be no failure or gross permanent distortion of anchors, frame, glass, or panels. Structural silicone shall not experience adhesive or cohesive failure along any glass, frame, or panel edge. Glazing gaskets may not disengage, and weather seals may not fail.

9. REPEAT STATIC AIR INFILTRATION TEST (ASTM E283)

Repeat Test No. 6 as stated above.

10. REPEAT STATIC WATER PENETRATION TEST (ASTM E331)

Repeat Test No. 3 as stated above.



MOCK-UP TEST PROCEDURE

TWIN SPAN LAB PMU

Project No.: M2387.01-120-32

Date: 04/26/21

R1 06/2/2021

11. THERMAL CYCLES (AAMA 501.5)

The entire mock-up shall be subjected to **three (3)** thermal cycles. Each cycle shall be maintained for two hours after establishing the following temperatures and consist of:

1. Thermal Cycle Requirements (AAMA 501.5)
 - a. Low exterior temperature of -20.0°F for two hours after establishing temperature.
 - b. High exterior ambient temperature of 180.0°F for two hours after establishing temperature.
 - c. Interior temperature shall be maintained between 65.0°F and 75.0°F.

Allowable

Components used within the system shall withstand thermal movements without buckling, distortion, cracking, failure of glass, and failure of joint seals or undue stress on the finished surfaces, materials, or fixing assemblies.

12. REPEAT STATIC AIR INFILTRATION TEST (ASTM E283)

Repeat Test No. 6 as stated above.

13. REPEAT STATIC WATER PENETRATION TEST (ASTM E331)

Repeat Test No. 3 as stated above.

14. UNIFORM STRUCTURAL DESIGN LOAD TEST (ASTM E330)

Deflection of the system shall be measured and recorded at design pressure when held for **ten (10)** seconds and evaluated using the following allowable criteria:

Each load shall be held as follows:

- + 20.0 psf - 50% Positive Design Load
- + 40.0 psf - 100% Positive Design Load
- 20.0 psf - 50% Negative Design Load
- 40.0 psf - 100% Negative Design Load

Allowable Criteria

- Deflection Normal to Wall Plane: L/175 or 3/4" max.
- Deflection Normal to Wall Plane for Cantilevers: 2L/ 175
- Deflection Parallel to Glazing Plane: L/360 or 1/8" max.



MOCK-UP TEST PROCEDURE

TWIN SPAN LAB PMU

Project No.: M2387.01-120-32

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15. REPEAT STATIC AIR INFILTRATION TEST (ASTM E283)

Repeat Test No. 6 as stated above.

16. REPEAT STATIC WATER PENETRATION TEST (ASTM E331)

Repeat Test No. 3 as stated above.

17. UNIFORM STRUCTURAL DESIGN LOAD TEST (ASTM E330)

Deflection of the system shall be measured and recorded at design pressure when held for **ten (10)** seconds and evaluated using the following allowable criteria:

Each load shall be held as follows:

- + **25.0 psf** - 50% Positive Design Load
- + **50.0 psf** - 100% Positive Design Load
- **25.0 psf** - 50% Negative Design Load
- **50.0 psf** - 100% Negative Design Load

Allowable Criteria

- Deflection Normal to Wall Plane: $L/175$ or 3/4" max.
- Deflection Normal to Wall Plane for Cantilevers: $2L/175$
- Deflection Parallel to Glazing Plane: $L/360$ or 1/8" max.

18. REPEAT STATIC AIR INFILTRATION TEST (ASTM E283)

Repeat Test No. 6 as stated above.

19. REPEAT STATIC WATER PENETRATION TEST (ASTM E331)

Repeat Test No. 3 as stated above.



MOCK-UP TEST PROCEDURE

TWIN SPAN LAB PMU

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R1 06/2/2021

20. UNIFORM STRUCTURAL OVER LOAD TEST (ASTM E330)

Permanent deformation of the system shall be measured and recorded at 1.5 x design pressure when held for ten (10) seconds and evaluated using the following allowable criteria:

Each load shall be held as follows:

- + **37.5 psf** - 75% Positive Design Load
- + **75.0 psf** - 150% Positive Design Load
- **37.5 psf** - 75% Negative Design Load
- **75.0 psf** - 150% Negative Design Load

Allowable

No material failures or structural distress of assemblies including anchorage. The net permanent set of main framing members shall not exceed L/1000 of the clear span.

21. SEISMIC MOVEMENT DISPLACEMENT TEST (AAMA 501.4)

Three (3) complete cycles shall be performed in the horizontal direction parallel to the main elevation at the intermediate slab simulation. Parallel horizontal movement will be 1.625" to the left, back to zero, 1.625" to the right, and then back to zero (one cycle).

Allowable

At the conclusion of this test, there shall be no glass breakage and no permanent damage to frame members or anchors.

END OF TESTING

This test procedure dated April 26, 2021 and revised June 2, 2021, for Twin Span Lab PMU is approved as written.

For: Gamco Corporation

Signature

Name (please print)

A signed copy of this Test Procedure must be returned prior to initiation of testing.

JBG:jwe

cc: M2387.01-120-32





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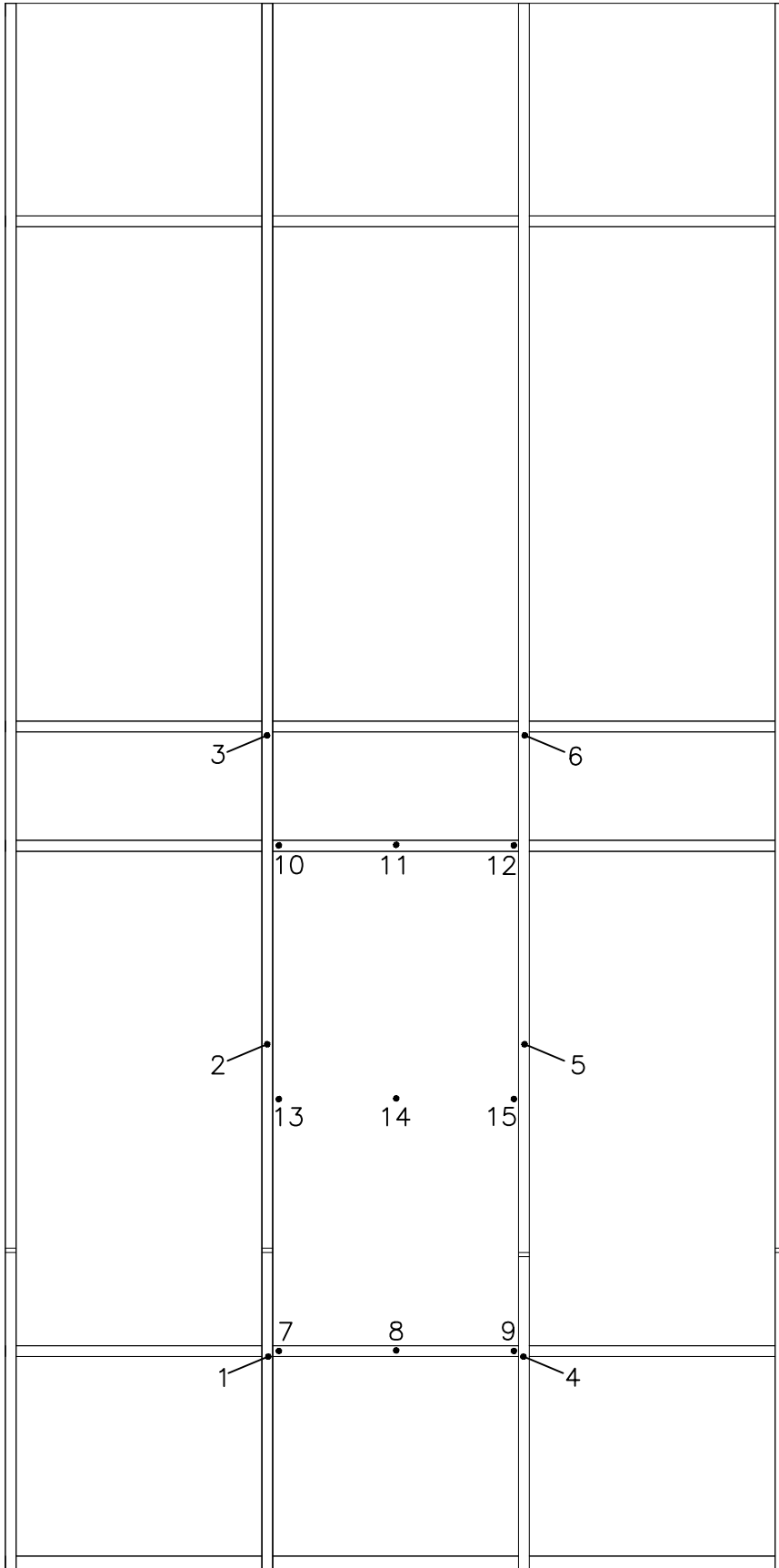
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SECTION 8 SKETCHES





*Interior View

PROJECT NO.
M2387.01

PROJECT NAME:
W250P TWIN SPAN LAB PMU
CLIENT: GAMCO CORPORATION



DRAWING:
SKETCH #1
DIAL INDICATOR LOCATIONS

DRAWING BY: JBG	SHEET 1
DATE: 06/02/21	1 OF 1

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Date: 06/15/21

SECTION 9 TABLES

TABLE #1 - Uniform Load Deflection (Deflection in inches)

INDICATOR LOCATION	POSITIVE 40.0 psf	NET DEFLECTION	NEGATIVE 40.0 psf	NET DEFLECTION	ALLOWED*
1	0.050		0.080		
2	0.080	0.015	0.615	0.335	0.823
3	0.080		0.480		
4	0.080		0.140		
5	0.155	0.010	0.580	0.375	0.823
6	0.210		0.270		
7	0.060		0.175		
8	0.085	0.013	0.225	0.008	0.326
9	0.085		0.260		
10	0.050		0.515		
11	0.110	0.000	0.415	0.003	0.326
12	0.170		0.310		
13	0.115		0.350		
14	0.485	0.323	0.830	0.315	NA
15	0.210		0.680		

**General Note: Allowable amounts are based on L/175 of their clear span for framing members. Refer to Sketch #1 for dial indicator locations and to the test procedure for additional information regarding allowable deflections.*



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TABLE #2 - Uniform Load Deflection (Deflection in inches)

INDICATOR LOCATION	POSITIVE 50.0 psf	NET DEFLECTION	NEGATIVE 50.0 psf	NET DEFLECTION	ALLOWED*
1	0.060		0.080		
2	0.070	0.010	0.060	-0.020	0.823
3	0.060		0.080		
4	0.110		0.110		
5	0.090	-0.015	0.540	0.450	0.823
6	0.100		0.070		
7	0.020		0.160		
8	0.090	0.020	0.450	0.265	0.326
9	0.120		0.210		
10	0.030		0.120		
11	0.080	0.040	0.100	-0.015	0.326
12	0.050		0.110		
13	0.100		0.480		
14	0.590	0.480	0.610	0.130	NA
15	0.120		0.480		

**General Note: Allowable amounts are based on L/175 of their clear span for framing members. Refer to Sketch #1 for dial indicator locations and to the test procedure for additional information regarding allowable deflections.*



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TABLE #3 - Uniform Structural Overloads (Permanent Set in inches)

INDICATOR LOCATION	POSITIVE 75.0 psf	NET PERM. SET	NEGATIVE 75.0 psf	NET PERM. SET	ALLOWED*
1	0.020		0.020		
2	0.070	0.040	0.050	0.020	0.144
3	0.040		0.040		
4	0.020		0.110		
5	0.020	-0.010	0.050	-0.025	0.144
6	0.040		0.040		
7	0.020		0.030		
8	0.020	-0.005	0.060	0.045	0.057
9	0.030		0.000		
10	0.030		0.020		
11	0.040	0.010	0.040	0.010	0.057
12	0.030		0.040		

**General Note: Allowable amounts are based on L/1000 of their clear span for framing members. Refer to Sketch #1 for dial indicator locations and to the test procedure for additional information regarding allowable deflections.*



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SECTION 10 PHOTOGRAPHS



Photo No. 1
TARE BAG/CHAMBER CALIBRATION

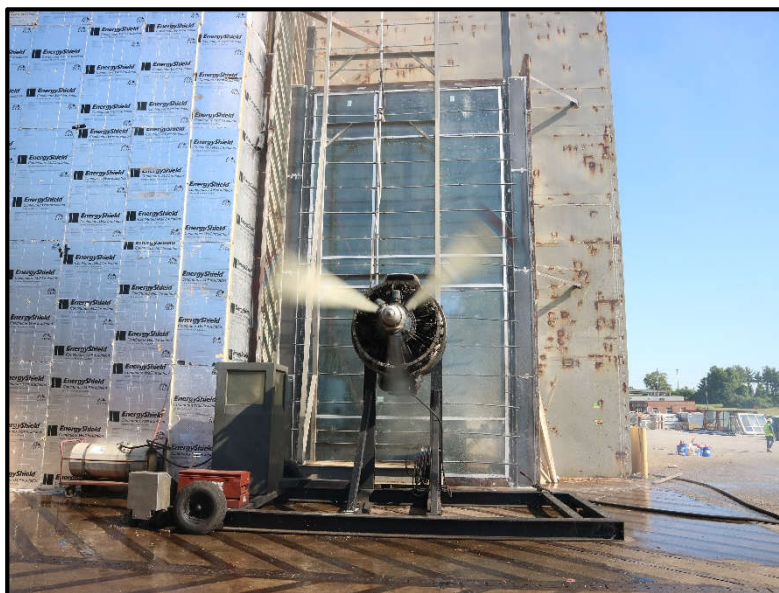


Photo No. 2
DYNAMIC WATER PENETRATION @ 15.0 PSF

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Photo No. 3

HYDRAULIC RAM FOR INTERSTORY VERTICAL MOVEMENT TESTING

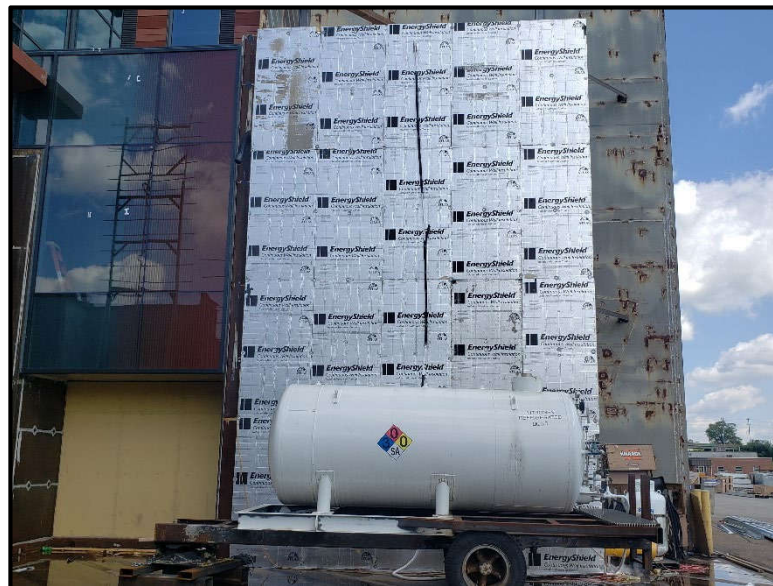


Photo No. 4

THERMAL CHAMBER

SUMMARY TEST REPORT FOR GAMCO CORPORATION

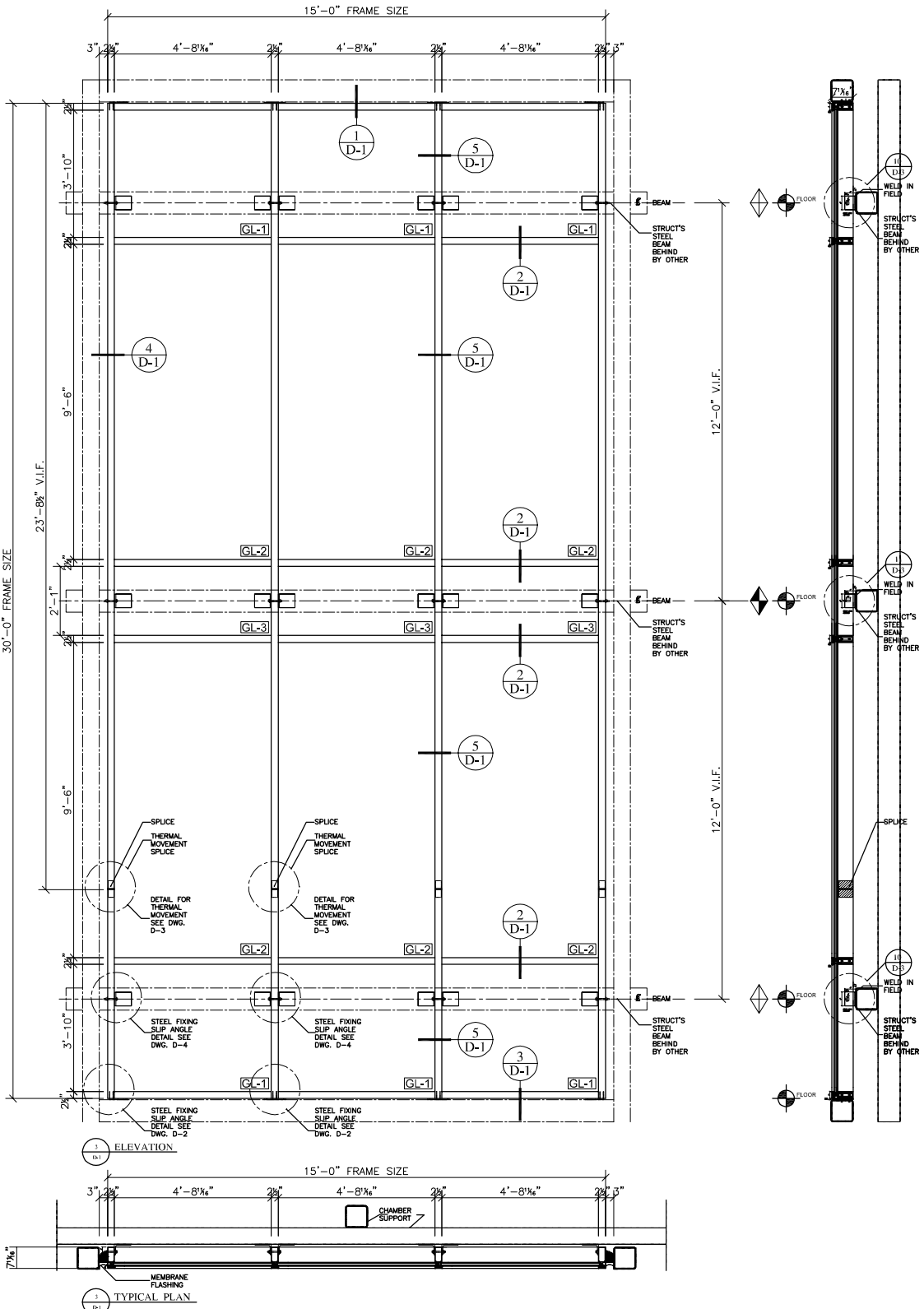
Report No.: M2387.02-120-32 R0

Date: 06/15/21

SECTION 11 DRAWINGS

The "As-Built" drawings for CW-250P Performance Test, dated June 08, 2019, which follow, have been supplied by GAMCO CORPORATION as representative of the As-Completed project condition reported herein. Intertek bears no responsibility for the accuracy and/or completeness of the supplied drawings.





GENERAL NOTES
 * ALL DIMENSIONS TO BE VERIFIED IN FIELD BY CONTRACTOR.

GLASS SIZE

- 1" Insulated glass
- (1/4" cir. tm 1/2" spacer 1/4" cir. tm)
- G-1 57 7/8" x 47 1/4" -- 7pcs
- G-2 57 7/8" x 115 1/4" -- 7pcs
- G-3 57 7/8" x 26 1/4" -- 4pcs

CONTRACTOR:

04/06/2021	UPDATED DIMENSIONS
03/12/2021	UPDATED DIMENSIONS
02/11/2021	UPDATED DIMENSIONS
01/06/2021	UPDATED DIMENSIONS

REVISIONS:
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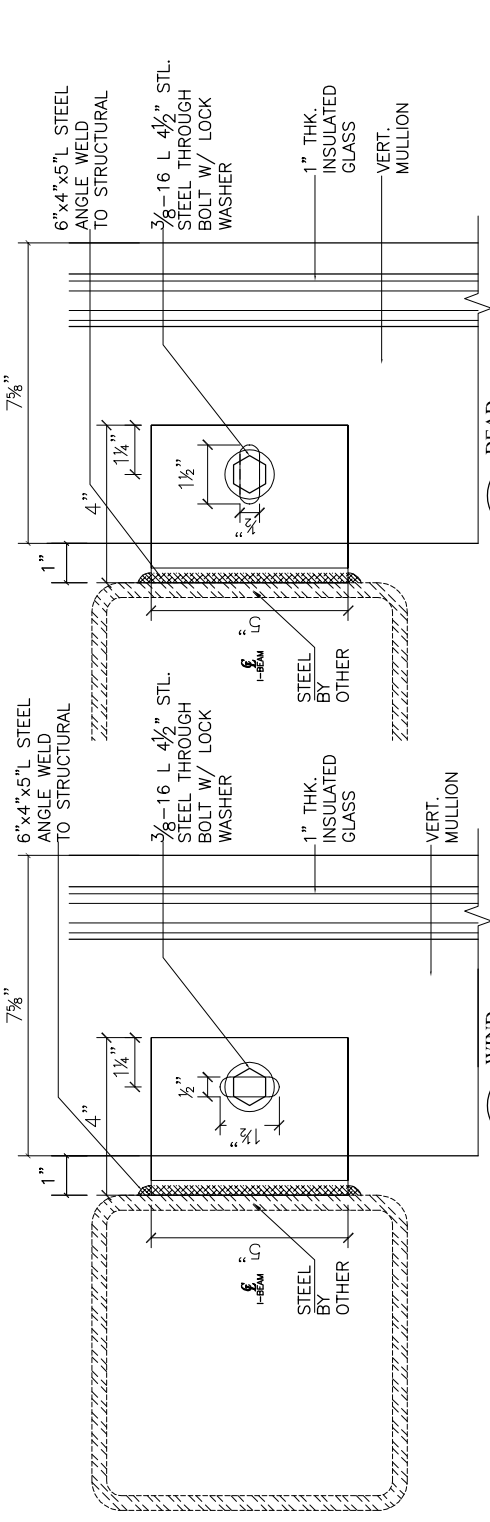
PROJECT: CW250P
 POLYIMIDE PRESSURE BAR CURTAIN WALL

PLAN & ELEVATION



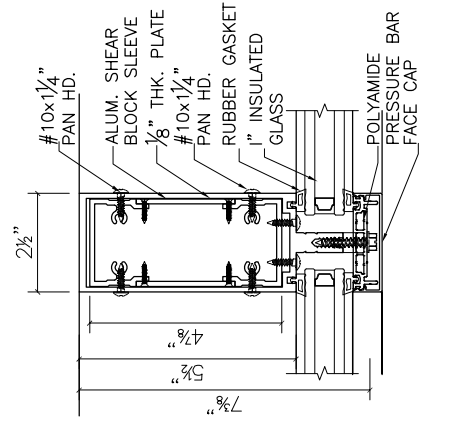
GAMCO CORPORATION
 131-00 MARLE AVE FLSHNG, N.J. 07135
 Phone: 908-233-2000
 Fax: 908-233-2001
 Web: www.gamco.com

GENERAL NOTES
 * ALL DIMENSIONS TO BE VERIFIED IN FIELD BY CONTRACTOR.

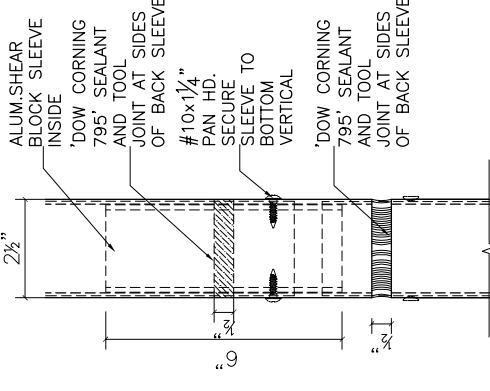


10 WIND LOAD ANCHOR D-3

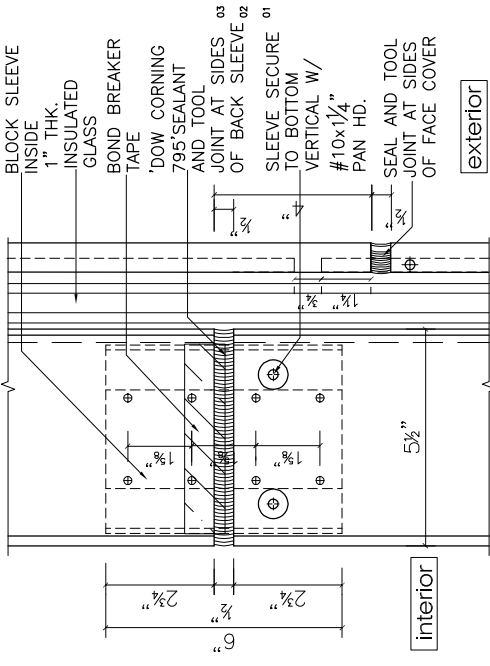
11 DEAD LOAD ANCHOR D-3



12 EXPANSION JOINT PLAN D-3



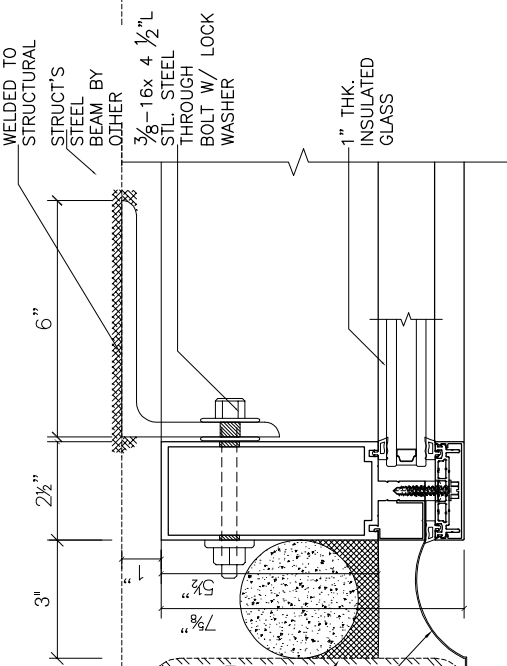
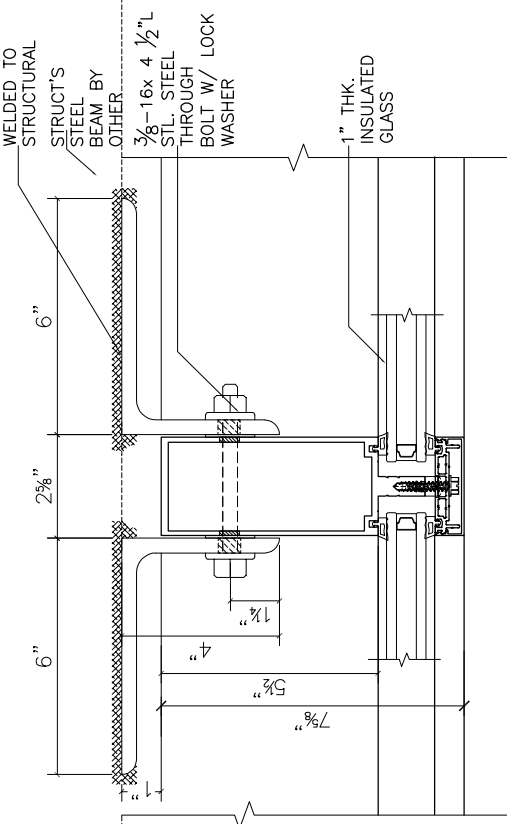
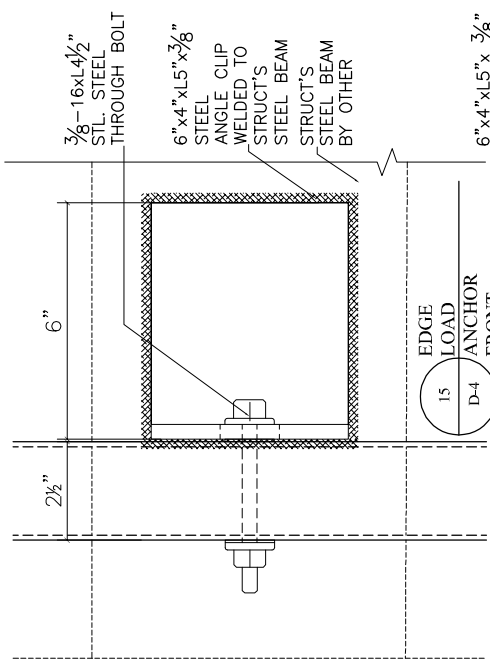
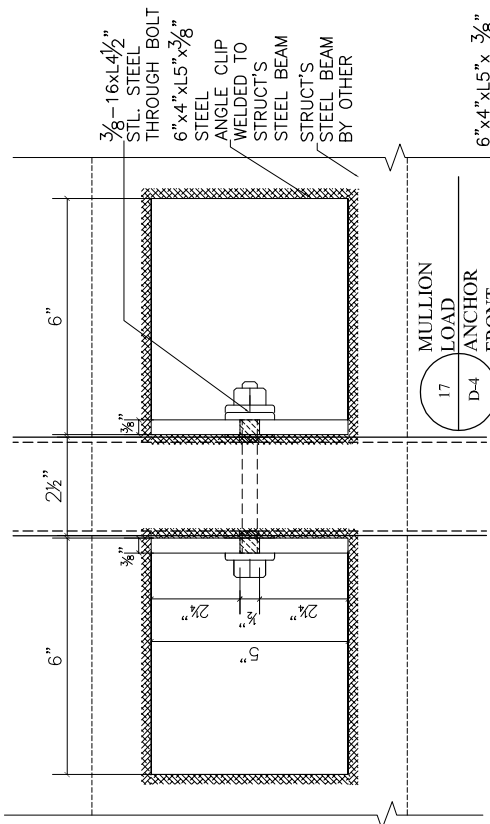
13 EXPANSION JOINT FRONT D-3



14 EXPANSION JOINT SIDE D-3

CONTRACTOR:	
04 10/26/2021	UPDATED DIMENSIONS
03 4/29/2021	UPDATED DIMENSIONS
02 1/15/2021	UPDATED DIMENSIONS
01 1/4/2021	UPDATED DIMENSIONS
Rev: Date:	Description:
R E V I S I O N	
JOB NO.:	APPROVED
DRAWING NO.:	DRAWN BY: C.CHAN
DATE:	CHECKED BY:
3-25-2021	
SCALE:	3":1"=0"
GAMCO CORPORATION 19-10 MARLE AVE. FLUSHING, N.Y. 11355 TEL: 718-224-8800 FAX: 718-224-8801 WWW.GAMCOCORP.COM	
PROJECT: CW250P	
POLYAMIDE PRESSURE BAR CURTAIN WALL	
TITLE: TYPICAL DETAILS	
EXPANSION JOINT, W/D LOAD ANCHORS	

GENERAL NOTES
 * ALL DIMENSIONS TO BE VERIFIED IN FIELD BY CONTRACTOR.



MULLION LOAD ANCHOR PLAN
 18 D-4

EDGE LOAD ANCHOR PLAN
 16 D-4

CONTRACTOR:

Revised	Date	Description	Approved
04	10/28/2021	UPDATED DIMENSIONS	
03	4/29/2021	UPDATED DIMENSIONS	
02	1/15/2021	UPDATED DIMENSIONS	
01	1/17/2021	UPDATED DIMENSIONS	
REVISION			
JOB NO.:			
DRAWING NO.:			D-4
DRAWN BY:			C.CHAN
CHECKED BY:			
DATE:			3-25-2021
SCALE:			3":1'-0"



GAMCO CORPORATION
 19-10 MARLE AVE. FLUSHING, N.Y. 11355
 TEL: 718-261-1100
 FAX: 718-261-1101
 WWW.GAMCOCORP.COM

PROJECT: POLYAMIDE PRESSURE BAR CURTAIN WALL
 DRAWING NO.: CW250P

TITLE: TYPICAL DETAILS
 DEAD & WIND LOAD ANCHOR

SUMMARY TEST REPORT FOR GAMCO CORPORATION

Report No.: M2387.02-120-32 R0

Date: 06/15/21

SECTION 12

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	06/15/21	N/A	Summary Report Issue

