Knowledge for Creating and Sustaining the Built Environment

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: SOF Construct SIM Facility

Substitution Request Number: (For Architect to fill in)

From: Aaron Reed Central PA Dock & Door

To: Gannett Fleming

Date: 6/2/2026

A/E project Number: SHYQ149104

Re: Substitution Request- Sectional Door

Contact For: Furnish & installation of Overhead Doors

Specification Title: SECTIONAL OVERHEAD DOORS

Description: Sectional Doors

Section: 08 36 13 Page: 2

Article/Paragraph: 2.02.A

Proposed Substitution: Overhead - 418

Manufacturer: Clopay Building Products Address: 1400 W Market St, Troy OH 45373 Phone: (800) 225-6729

Trade Name: Commercial Sectional Door/ Garage Doors Model No: Clopay 3220

Attached data includes product description, specifications, drawings, photographs and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substition will require for its proper installation.

The Undersigned certifies:

- Proposed substitituion has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed Substitution will have no adverse effect on other trades and will not effect or delay progress schedule.
- Proposed Substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Aaron Reed

Signed by:

Firm: Central PA Dock & Door

Address: 15 Rothermel Dr, Yeagertown, PA 17099

Telephone: 717-248-1397

A/E's REVIEW AND ACTION

- [ ] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution rejected - use specified materials.
- [ ] Substtitution Request received too late - use specified materials.

Signed by : Date :

Support Data Attached: [ ] Drawing [✔] Product Data [ ] Samples [ ] Tests [ ] Reports [✔] Comparison

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View Comparsion	Overhead - 418	Clopay 3220
Product Description		
Specification	Specification Link	Specification Link
Brochure	Brochure Link	Brochure Link
Warranty		
Finish/Rust Through	1 Year	1 Year
Material & Workmanship	1 Year	1 Year
Hardware	1 Year	1 Year, Optional 8 Year
Physical Properties		
Section Thickness	2”	2”
Exterior Gauge	16 Gauge	20 Gauge
Exterior Profile	Flush	Flush
Exterior Emboss	Smooth	Stucco
Interior Gauge/Back Cover	26 Gauge	27 Gauge
Thermal Break	No	Yes
Meeting Rail	Shiplap	Tongue & Groove
End Stile	16 Gauge	18 Gauge Minimum Single; 16 Gauge Minimum
Center Stile	16 Gauge	2" x 3" 19 ga (backerplate)
Components		
Insulation	Polystyrene	Polystyrene
Glazing Frames	24”x7”, Aluminum Full View	Aluminum Full Vision,24"x12",24"x8"
Glazing Thickness	1/8",1/2"	1/8",1/2"
Glazing Type	Acrylic,1/8’’ DSB,Insulated	Insulated,Insulated-Tempered, Tempered
Standard Finishes	White	White,Brown
Premium Finish	Not Published	ColorBlast©2-Part Polane (Sherwin Williams)
Track Configurations	2”, 3” LHR, Vertical, HL, FRP, Standard	2”, 3” LHR, Vertical, HL, FRP, Standard, Tapered
Counterbalance	100k, 50k, 25k, 10k	100k, 50k, 25k, 10k
Lock	Slide Lock(s)	Slide Lock(s), Keyed Lock
Performance		
UFactor	Not Published	0.24 Btu/hr-ft2-Fo
R Value	7.35	9.1
Air Infiltration	Not Published	0.34 cfm/ft2 at 25 mph
STC Rating	Not Published	22
Flamespread	Not Published	Class II (or B) 40 FSR
Smoke Developed Index	Not Published	400 SDI

All product information on this page is based on publications and materials provided by each product's respective manufacturer publicly available as of July 1, 2020.

CLOPAY COMMERCIAL – MODEL 3220

energy series

Model 3220, 16'2" × 14' Door

POLYSTYRENE INSULATED FLUSH STEEL DOORS

Clopay Model 3220 doors have a 20 gauge exterior steel skin and are designed for commercial and industrial facilities where demanding conditions require a rugged door that is also energy efficient. U-Factor as low as .24.

- Bonded polystyrene insulation and thermal break for enhanced comfort.
- Three-layer construction with steel and insulation for increased durability.
- 3-stage paint process delivers a virtually maintenance-free finish.
- Injection-molded lite frames with integral weatherseal are durable and seal against the elements. Many glass options available for visibility, privacy or energy efficiency.

Steel skins are protected through a tough, layered coating system, including a hot-dipped galvanized layer, a protective metal oxide pretreatment and a baked-on primer and top coat.

EXTERIOR SKIN PATTERN

Flush

COLOR OPTIONS

Standard White

Chocolate

Due to the printing process, colors may vary.

CUSTOM PAINT OPTION

COLOR BLAST®

Color Blast® finish offers more than 1,500 Sherwin-Williams® color options to complement your building design. This durable two-part paint system has been thoroughly tested and is backed by a five-year warranty.

Due to solar reflective formulation to meet greater than a 38 LRV, some colors may not be available.

FEATURES

STANDARD HARDWARE

- TPE astragal in corrosion-resistant retainer
- Commercial 10-ball steel rollers (nylon tires available)
- Steel step plate and lift handle
- Galvanized steel end stiles
- Inside slide lock for increased security
- 2" (50.8 mm) or 3" (76.2 mm) track
- 10,000 cycle springs
- Galvanized aircraft cable with minimum 7:1 safety factor
- Variety of track configurations to meet building specifications

MATERIALS AND CONSTRUCTION

Panel Thickness	2" (50.8 mm)
Insulation	2" (50.8 mm) bonded polystyrene
U-Factor	0.24*
R-value	9.1†
Air Infiltration Rate	0.34 cfm/ft^2
Thermal Break	Continuous silicone filled
Exterior Steel	20 gauge (.034" min.) (.86 mm)
Interior Steel	27 gauge (.016" min.) (.41 mm)
Exterior Surface	Stucco embossed, flush
Max Width	28'2" (8.6 m)
Max Height	26' (7.9 m)
Exterior Colors	Standard White and Chocolate. Also available in Color Blast®.
Interior Color	Standard White
Limited Warranties	10-year standard paint 5-year delamination 5-year Color Blast® finish 1-year material and workmanship

** Tested door U-Factor is in accordance with DASMA 105.*
† Calculated door section R-value is in accordance with DASMA TDS-163.
For special sizes, applications and options, consult customer service at 1-800-526-4301.

ADDITIONAL OPTIONS

WINDOW OPTIONS

24" × 8"

24" × 12"

Aluminum Full-View*

*Intellicore polyurethane insulated option also available. Available with insulated or insulated tempered glass. Full-view section, prepainted Standard White or Chocolate; glazing options include DSB, plexiglass, wire and insulated glass.

HEAVY-DUTY HARDWARE *(where not standard)*

Double-end hinge

3" Track

High performance hardware features 10 gauge end hinges, heavy-duty top bracket and 3" sealed roller with 5/8" stem.

MULLIONS

Carry-away, roll-away or swing-up mullions are available on select sizes.

BREAK-AWAY SECTION

Single section and double sections available on select sizes.

PASS DOOR

32" wide × 80" high (.81 m × 2.3 m), max 16'2" (4.9 m) wide section.

EXHAUST PORT

Can be cut into any type of sectional door. Available in select sizes.

CONTROLGARD® SD CHAIN HOIST

Hand chain hoist with an integral braking system provides controlled descent for sectional doors.

WindCode® design pressure (DP) up to 37 PSF depending on size. Models tested 50% greater than DP.

Clopay

EXTENDED 8-YEAR HARDWARE WARRANTY

Upgrade your standard door with industrial-grade components.

CODE COMPLIANT

This Clopay door complies with the 2015 IECC (International Energy Conservation Code) with an air infiltration rating of .40 cfm/ft^2 or less (IECC, Section 402.5.2), and also meets the U-Factor requirement of .37 or less (IECC, Section C402.4, for Climate Zones 1 through 8).

HIGH CYCLE SPRINGS

25,000, 50,000 or 100,000 cycle springs available.

Clopay®

For more information on these and other Clopay products, visit **clopaycommercial.com.** Architects and specifiers, visit **architectdoorhelp.com.**

MADE IN USA

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STEEL ARCAT DASMA IDA www.doors.org

Response:

This overhead door will be considered an acceptable equal product if submitted during the shop drawing process.