

GPY+ Associates Engineering Inc.

## MECHANICAL SHOP DRAWINGS

**PROJECT:** York Region Administrative  
Centre – Interior Fit-up  
Package 'D'

17250 Yonge Street,  
Newmarket, Ontario  
L3R 0T5

Reviewed ☐  
Not Reviewed ☐

Reviewed as Modified ☒  
Revise and Resubmit ☐

This review is for conformance with the general design intent only and does not change the intent of the Contract Documents. Responsibility for errors or omissions in the shop drawings, details, co-ordination and dimensioning remains solely with the Contractor.

GPY+ Associates Engineering Inc.

Name: Grant Youdelis

Date: December 16, 2024

**PROJECT NO.:** GPY-9920

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**Shop Drawing No.:** M-6

**Product:** Finned Tube Radiation

**Supplier:** E.H. Price/ Rittling

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### Comments:

1. Wall fin radiators WF-1 & WF-2: **Acceptable, Ensure all required accessories & valves are provided as per piping schematic on mechanical drawings.**
2. Wall fin radiators enclosure cabinet: **Acceptable, Ensure site measurements are provided to supplier for a continuous run along curved perimeter wall. Provide end caps on enclosure near wall where the enclosure meets the rain water leader/ altos partition. Enclosure shall be accessible at all times. Cabinet lengths along curved wall to be site measured to avoid gaps between cabinet and wall as per drawings. Contractor to ensure mounting channel and bracket are properly secured to the wall. Provide locking bottom mounting clip for enclosure.**
3. For valve locations, ensure 'AS' access enclosure shall come without grilles. Access panel shall be provided for control valve location.
4. Wall fin enclosure shall be color white.
5. Contractor to ensure all heating water supply & return risers are within enclosure and all valves shall be installed within the enclosure and easily accessible.
6. Contractor to create a mock-up section of the Wall fin radiator configuration c/w wall finned tube element, all valves, vent, drain, brackets & removable enclosure installed for York Region PM & consultants review before proceeding with the installation.



# SUBMITTAL

<b>TO:</b> GPY + Associates Engineering Inc. – ATTN: Sherwin Reyes
<b>PROJECT:</b> York Region, Administration Building Package D Renovations
<b>ADDRESS:</b> 17250 Yonge Street, Newmarket, ON
<b>INCLUDED:</b> Mechanical Shop Drawing – Wall Fin Heaters
<b>SPEC DIV:</b> 23 50 00

**From:** Trisect Construction Corporation  
7-4020A Sladeview Crescent  
Mississauga, ON L5L 6B1  
Tom Butkovic / Ivan Lulic / Jay Cowie

**The shop drawings included below have been:**

- ☒ REVIEWED
- ☐ REVIEWED AS NOTED
- ☐ RESUBMIT
- ☐ REJECTED

Review of this submission is for compliance with the general intent of the contract. This review does not relieve the Sub-Contractor, Trade Contractor, Supplier or Manufacturer of the responsibility of meeting all requirements of the contract documents. Any deviation from the contract documents initiated by the Sub-Contractor, Trade Contractor, Supplier or Manufacturer shall be at his sole risk and responsibility. QUANTITIES AND DETAIL DIMENSIONS ARE THE SUBCONTRACTORS OR SUPPLIERS' RESPONSIBILITY. VERIFY THE DATA WITH FIELD DIMENSIONS AND CONDITIONS.

<b>Per:</b> Tom Butkovic	<b>Dated:</b> November 28/2024
<b>Final review to be received by:</b> G. Bruce Stratton Architects	





54 Audia Court, Unit 2  
Concord, ON L4K 3N5  
(905)-738-1400

## Submittal 24-277-006

PROJECT NAME	PROJECT ADDRESS	DATE SUBMITTED
YORK REGION VARIOUS PROJECTS 24-277	17250 Young Street Newmarket, ON	Nov 27, 2024

TO	FROM
Tom Butkovic	PAUL LEDDY
COMPANY	COMPANY
TRISECT CONSTRUCTION	Consult Mechanical Inc.
EMAIL	EMAIL
tbutkovic@trisectionconstruction.com	paul.l@consultmechanical.com
ADDRESS	ADDRESS
4020A SLADEVIEW cRESCENT, UNIT 7 MISSISSAUGA, ON L5L 6B1 JOB: 1300 INSLINGTON SUITE 103	54 Audia Court, Unit 2 Concord, ON L4K 3N5

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### Title

Wall Fin Heaters

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### Description

Tag WF-1/2 Wallfin Heaters Manufacturer Zehnder Rittling

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### Package Items

SPEC	SUBSECTION	ITEM	TYPE
M101	M101	Wallfin Heater Schedule	Shop Drawings



# Mechanical Sales

571 Chrislea Rd, Unit 3, Woodbridge, Ontario, L4L 8A2; Tel: 416 888 7814; Email: [bsolaimani@ehpricesales.com](mailto:bsolaimani@ehpricesales.com)

## SUBMITTALS – Wall Fins

Project	:	York Admin - Second, Third, Fourth Floor Hydronics
Shipping Address	:	17250 Yonge Street Newmarket, ON L3Y 4W5
Mech. Consultant	:	GPY Associates Engineering Inc.
Customer	:	Consult Mechanical
Salesperson	:	Bijan Solaimani
Price Job Number	:	PTS2404026
Revision Number	:	Rev. 0
Equipment	:	WF-1 & WF-2
Specification Section	:	
Submittal Date	:	November 27, 2024
Expected Delivery	:	<b>10 to 12 Weeks Upon Approved Shop Drawings</b>



# Rittling Architectural Enclosures

Catalog





# Model **Copper-Aluminum**

Project: York Admin 3rd

Tag: WF-1, 2

Qty	Coil Config	Rows of Element	Min. Installed Height
1	Hot Water	2	24 inches

## General Information

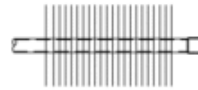
Altitude:	0	Feet
Tube Diameter:	3/4" TUBE	
Fin Size:	4-1/4" X 4-1/4" FIN	
Fin Spacing:	48 FINS PER FOOT	
Length of Active Element:	10	Feet

## Enclosure General Information

Model:	SIBG	
Depth:	5 3/8" D	
Height:	20" H	
Bracket Type:	Hot water	
Minimum Installed Height:	24	inches
Floor to Top of Enclosure:	24	inches

## Hot Water Heat

Element Output:	943.8	Btuh/Ft
Entering Air Temperature:	65.0	°F
Entering Fluid Temperature:	140.0	°F
Leaving Fluid Temperature:	120.0	°F
Fluid ΔT:	20.0	°F
Fluid Pressure Drop:	0.3	ft. H2O/ 10ft
Fluid Type:	Water	
Glycol %:	0	



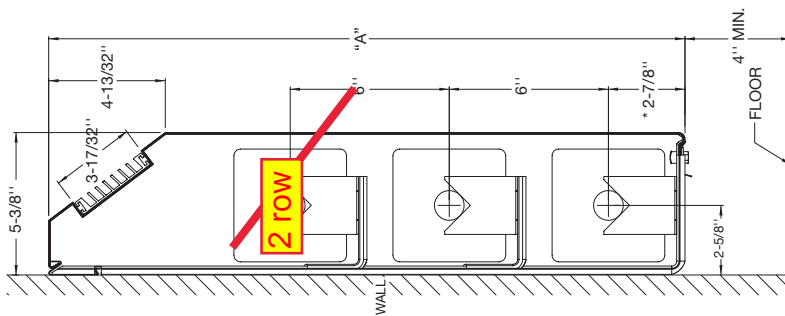
COPPER TUBE-ALUMINUM FIN



SIBG - SLOPE TOP IBG OUTLET

The results reported herein are based on testing by Zehnder Rittling. Variations in the installation and operational environment may alter performance. Zehnder Rittling disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. Continuous research and development may result in a change to an appliances design and specifications, which Zehnder Rittling may change without notice

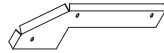
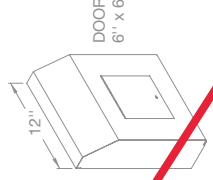
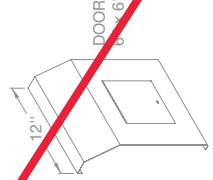
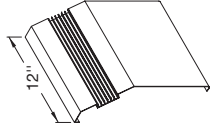
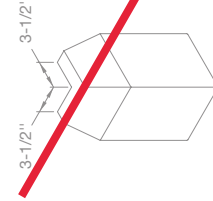
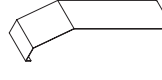
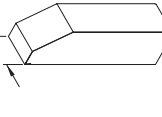
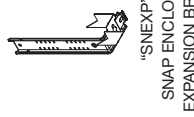
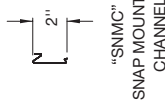
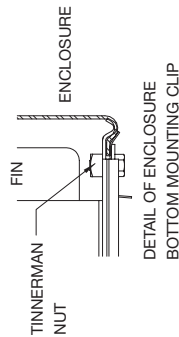
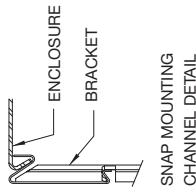
**zehnder**  
Rittling



ENCLOSURES ARE AVAILABLE IN  
1 FT. TO 8 FT. LENGTHS  
IN 6 IN. INCREMENTS

ACCESS DOOR  
ALSO AVAILABLE  
IN ENCLOSURE

## ACCESSORIES



\* CENTERLINES BASED ON 1" COPPER TUBE

MODEL	PIPE SIZE		FIN SIZE	A
	STEEL	COPPER		
SIBG5	N/A	3/4", 1", 1-1/4"	2-3/4" x 4"	14"
	1", 1-1/4"	3/4", 1", 1-1/4"	3-1/4", x 3-1/4"	20"
	1", 1-1/4", 2"	3/4", 1", 1-1/4"	4-1/4" x 4-1/4"	24"

NOTE:

- 1) ALL ACCESSORIES OVERLAP (EXCEPT AS NOTED)
- 2) BUTT TYPE (INTERLOCKING) STYLE OPTIONAL (EXCEPT AS NOTED)



CONTRACTOR	ELEMENT				
ARCHITECT	RATING	BTU	A.W.T.	E.A.T.	
ENGINEER	BACKPLATE	FULL	PARTIAL		
REPRESENTATIVE	ENCL. GAUGE	MATERIAL			
LOCATION	COLOR	DAMPER			

ZEHNDER RITTLING 100 RITTLING BLVD. • BUFFALO, NY USA 14220	
JOB:	
ENCLOSURE MODEL: <b>SIBG5</b>	
DATE: <b>January 2011</b>	DWG.NO.: <b>SIBG5</b>



# Sloped top enclosures

SBG5/SIBG5, SBGVL5/SIBGVL5

## Features

Rittling's Sloped Top Bargrille Enclosure provide strong contemporary styling and high output with a depth of 5-3/8".

### Enclosure

- 16-gauge cold rolled steel, phosphatized with painted finish
- 1'-8' lengths in 6" increments
- Powder coated finish in decorator colors available
- 20" standard heights

### Copper/Aluminum Element

- Tube: 3/4"
- Fin: 4-1/4" x 4-1/4"
- 1' to 12' lengths in 6" increments

### Mounting

- Snap mounting channel
- 4' or 8' lengths

### Joints

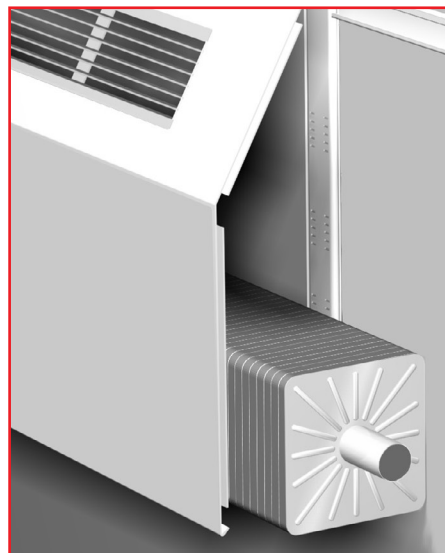
- Internal joggle joiners provide hairline joints without any external fasteners

### Grille

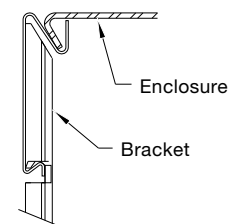
- SIBG: heavy-duty aluminum extrusion, R-204 clear anodized finish, 15° grille deflection, pencil proof

### Hangers

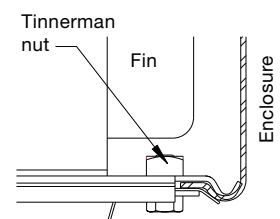
- Self-gauging, snap-fit, expansion cradle with positive-locking, bottom-mounting clip provide easy installation as well as security
- 16-gauge galvanized steel
- Slide cradle will accommodate 1-3/4" linear expansion for quiet operation.
- Second row bracket, slip-in or wall mounted. Used for multiple tiers of element
- Slip-in pipe hanger or wall pipe hanger for use with bare tube supply and return pipes
- See charts on pages 69-71 for available combinations



Cutaway view of SIBG5 enclosure showing 4-1/4" x 4-1/4" fin configuration.



Mounting channel detail

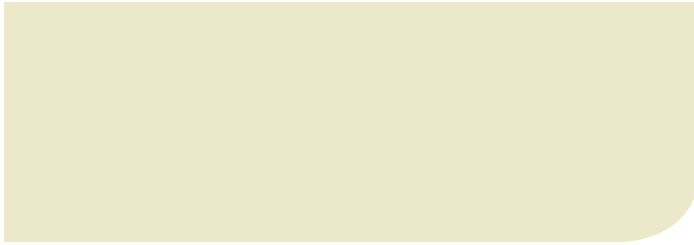


Positive locking bottom mounting clip detail



# Standard Colors

**zehnder**



**Ivory**



**Gray**



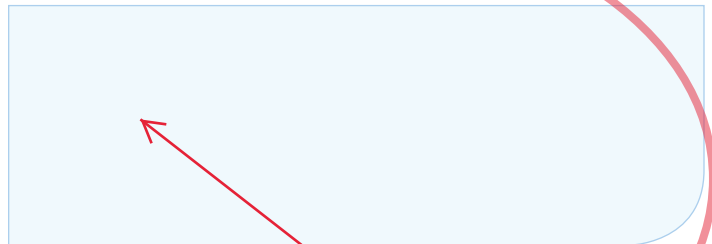
**Beige**



**Dark Gray**



**Bronze**



**White**

**Confirm White**

**Pricing for standard colors varies by product and color, refer to price lists for detailed information.**

**Electronic file is for reference only, subject to the calibration of each individual monitor it is viewed on. Contact the factory for a printed color chart to obtain an accurate representation of standard colors.**

## Notes

- Slight color variation may exist between actual finish and color chips. All colors are supplied in semi-gloss.
- Variation in color and gloss may occur in the manufacturing process.
- Custom color matching is available at additional cost. Metallic colors are not available.
- All products with a prime finish must have a field-applied topcoat for a consistent color.