



**Modern Masonry  
Rainscreen Systems**

**FSI**  
FACADE SYSTEMS INC.

High Performance Facades Should  
Not Be Left to Chance  
Agent: Expert and Agent. Ontario.



# Challenges for Architects

- Do you design in materials and have them value engineered out?
- Visibility to Terra Cotta as a choice? Do your clients know it?
- Perception on cost for you and your clients?
- Which terra cotta companies come to mind first?
- Where do you position terra cotta re design freedom?



Looks expensive but it is not



Scale matters



Price stability



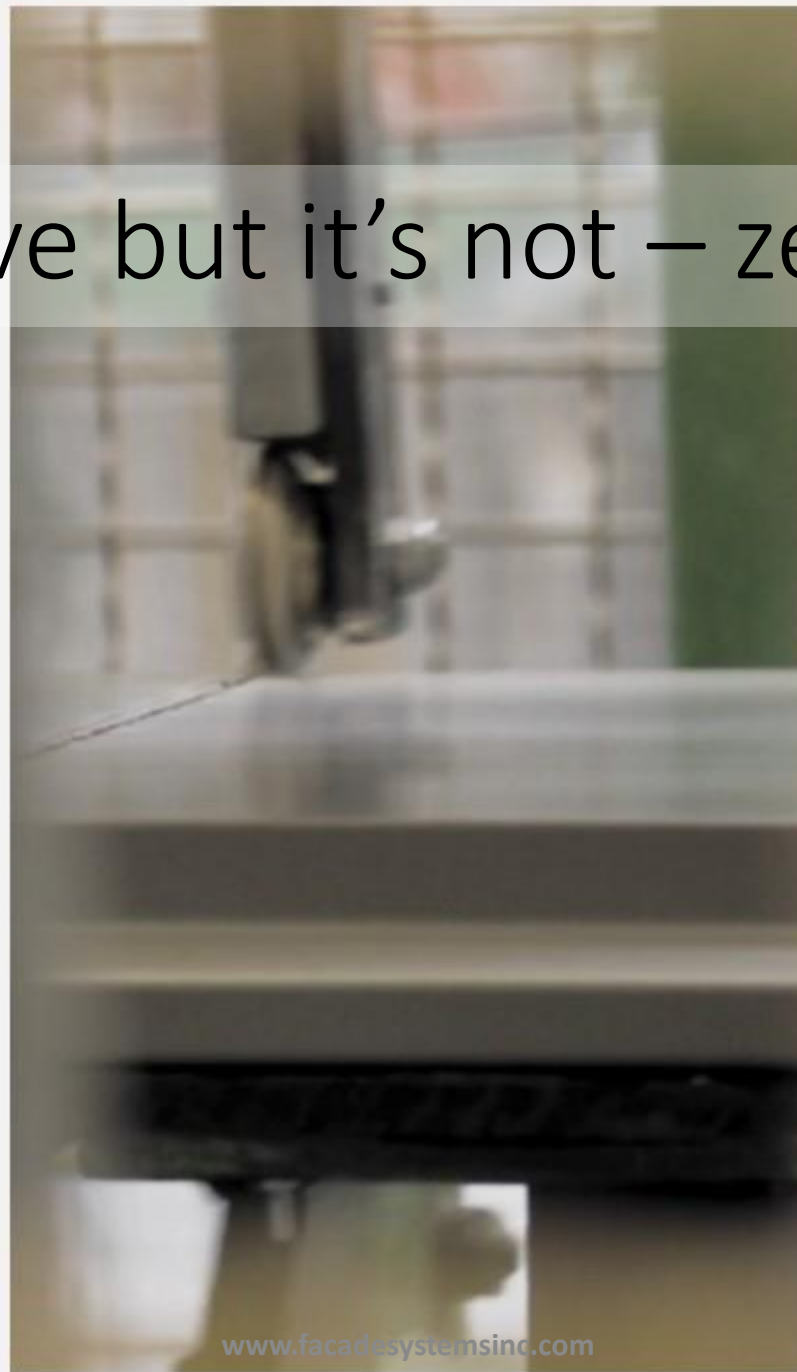
Design Freedom



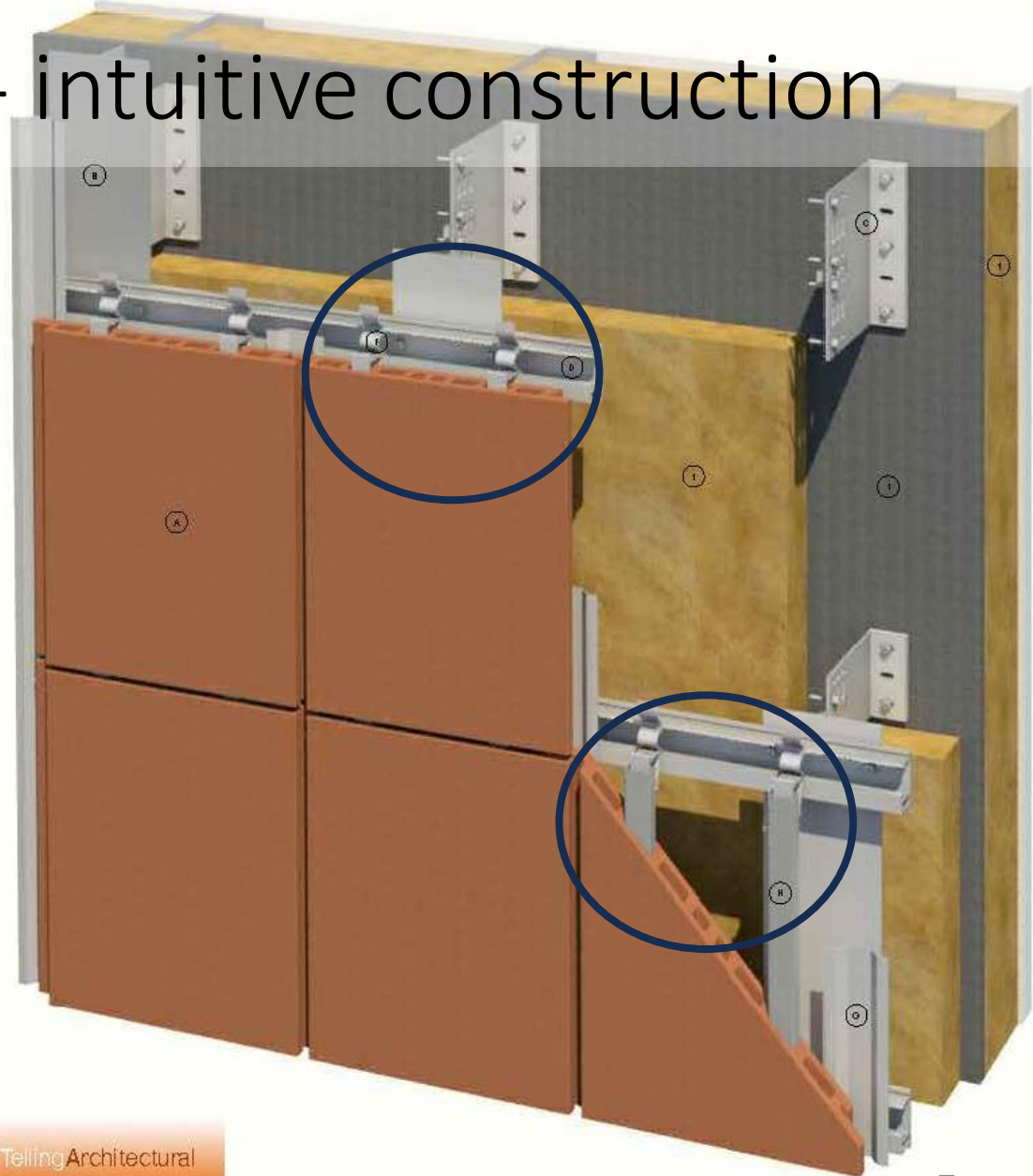
Intuitive attachment & engineering



Looks expensive but it's not – zero waste



Looks expensive but it's not - intuitive construction





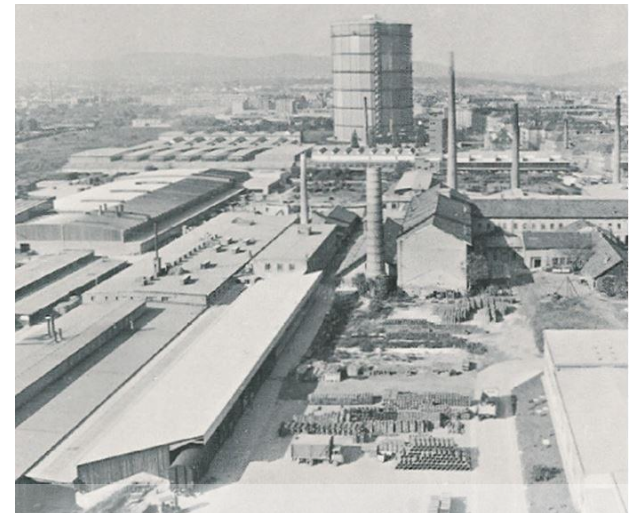


200 years of  
craftsmanship



**Wienerberger**

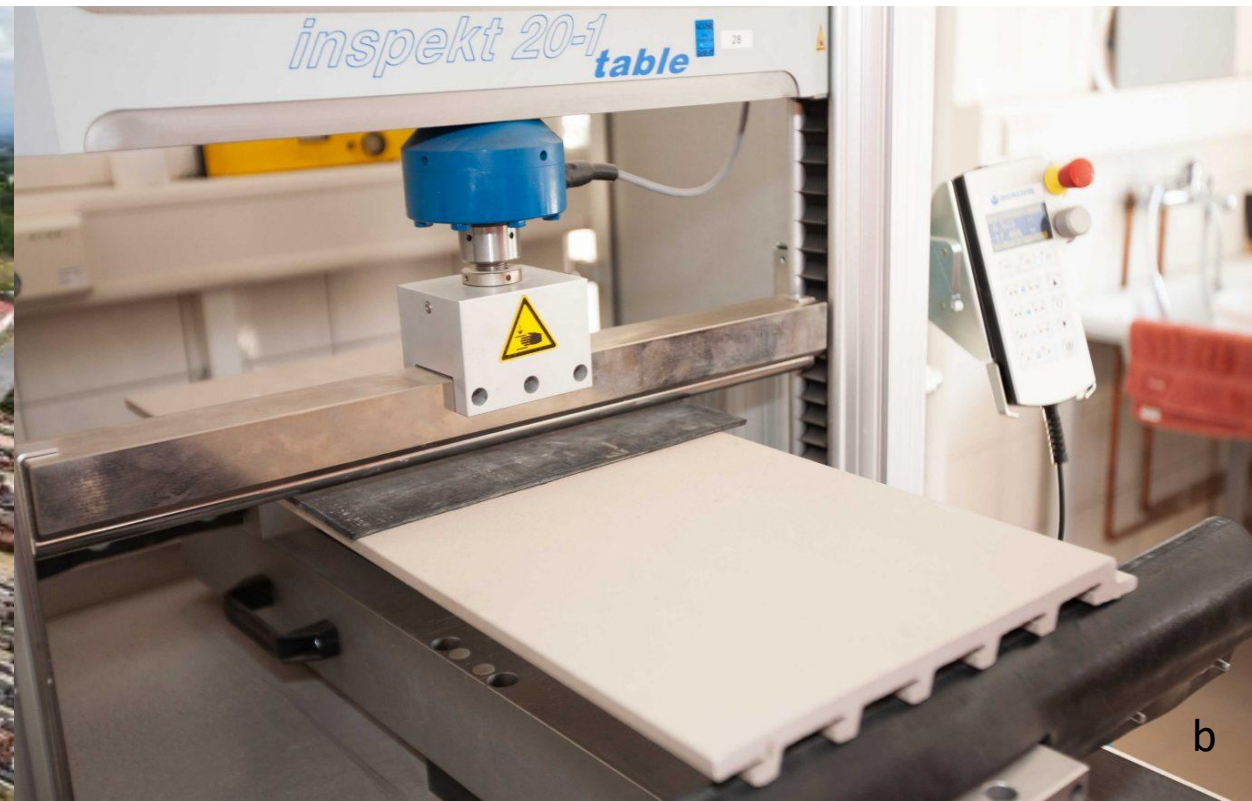
Scale Matters





## ARGETON HISTORY

- Argeton is the longest running manufacturer of terracotta, making it since the 1980s – **The O.G.**
- Up to **15,000 square feet of cladding can be produced daily**
- **Scale means inputs [clay, energy, transportation] in its control.**









Recent tender limited to these three



	GWP (kg CO2-Eq)	Type
Argeton	41.60	Cradle to Grave and up to date
B	47.10*	Cradle to Installation, June 2019
C	45.25	Cradle to Grave and up to date
D	75.96	Cradle to Factory Gate, Sept 2021
E	111.00	Cradle to Factory Gate, up to date
F	No data	Recently in receivership

\*single wythe tile, much less material



### Aluminum

Summary Stats Forecast Alerts [↓ Export](#)



Another Aluminum story....







Looks expensive but it is not



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Intuitive attachment & engineering

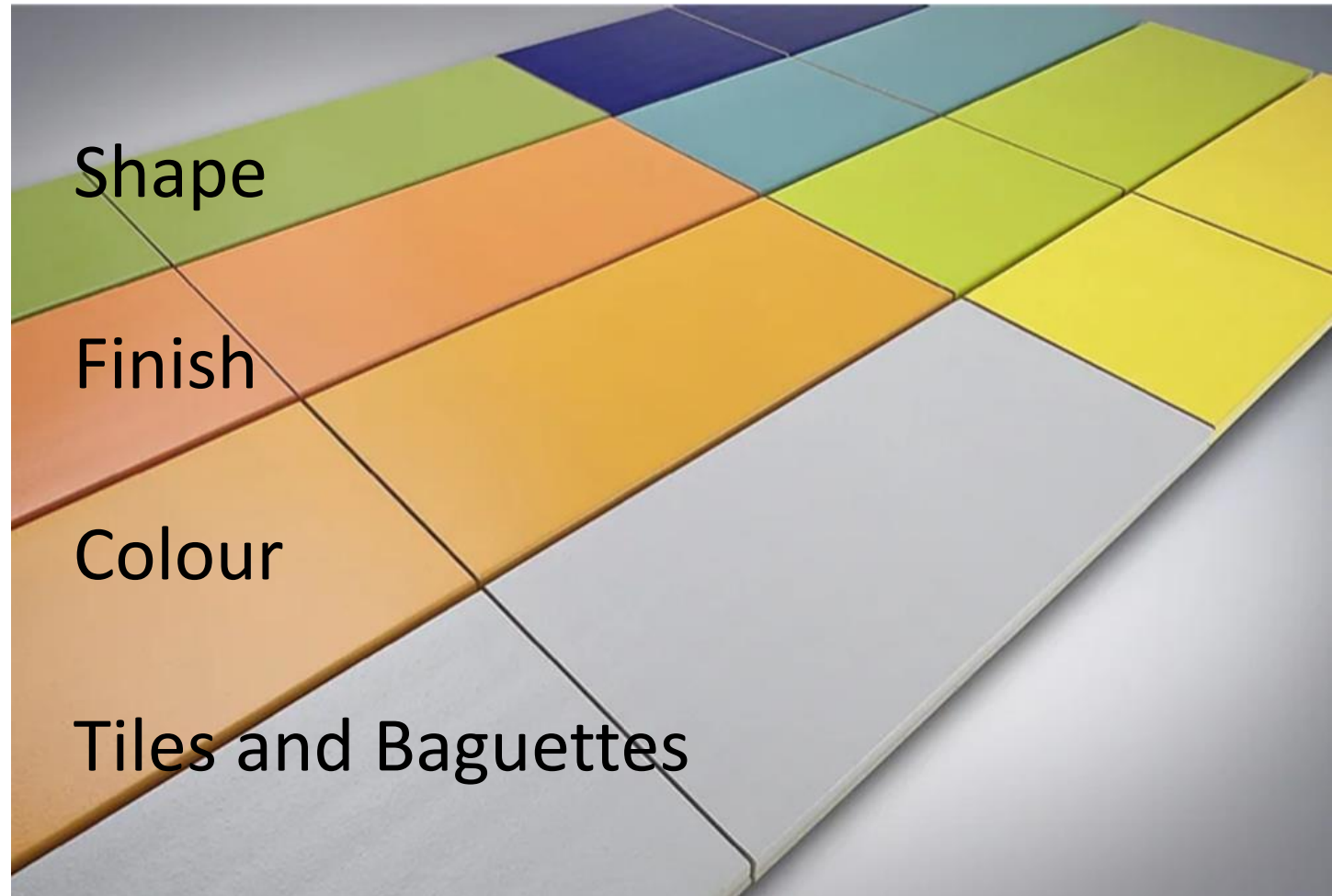
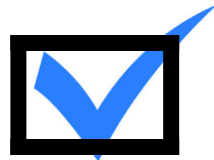


## MATERIALS

Terracotta is made from coarse, porous types of clay that are high in iron oxides.









### Inspirio designs



inspired by the rock



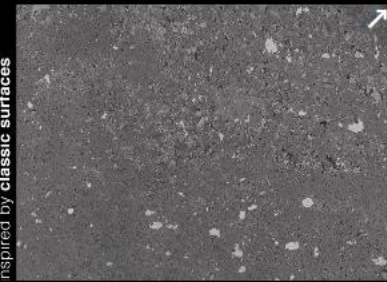
inspired by the metal world



inspired by concrete textures



inspired by nature



inspired by classic surfaces



inspired by iconographic patterns





 **Argeton**



Shape is free



  
**FSi**  
FACADE SYSTEMS INC.









## Terracotta Colors Raw, Glazed & Digital





# TERRACOTTA BAGUETTES



Vertical & horizontal configurations.



# BLENDED TERRACOTTA



Baguettes & tiles.



Looks expensive but it is not



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Design Freedom



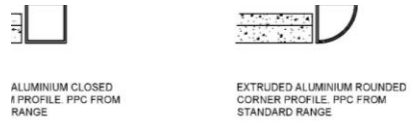
Intuitive attachment & engineering

TERRACOTTA  
RAINSCREEN  
SYSTEMS



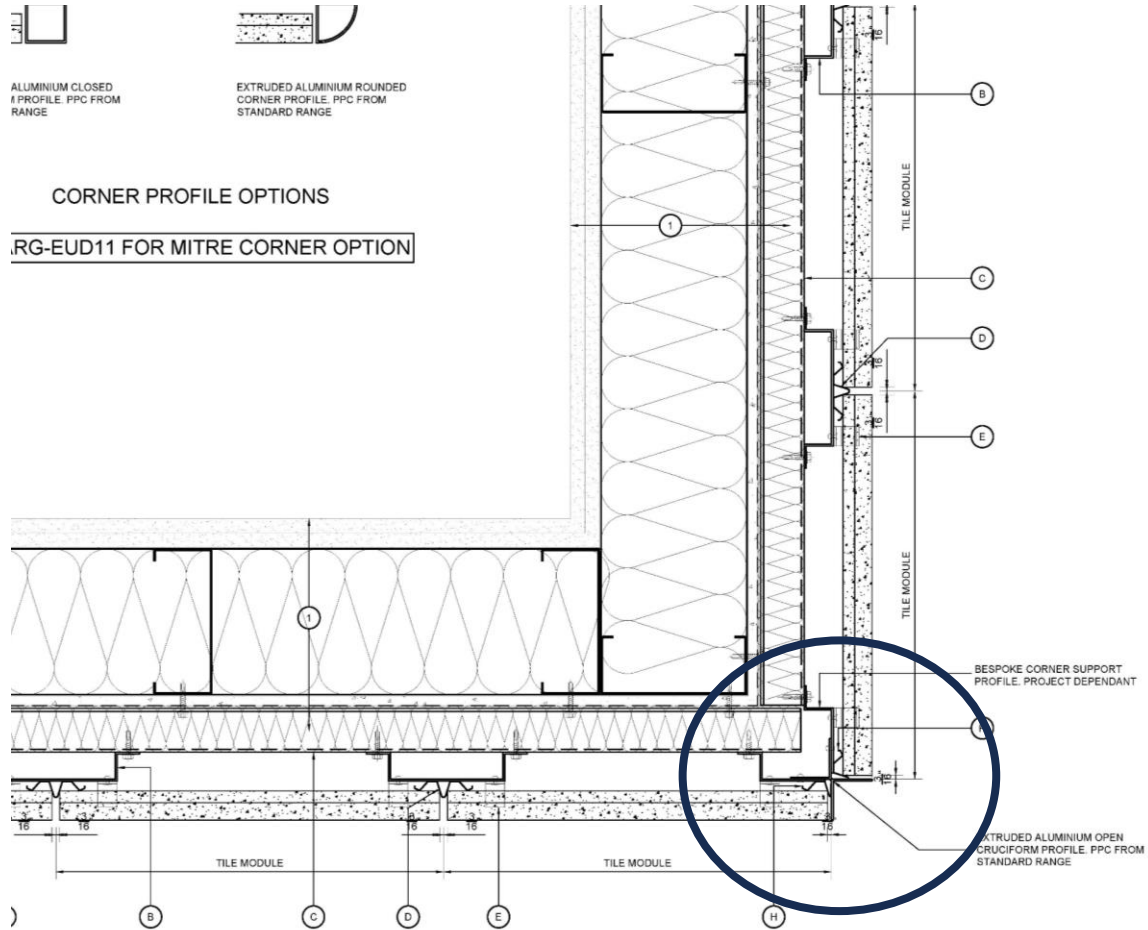
Horizontal System





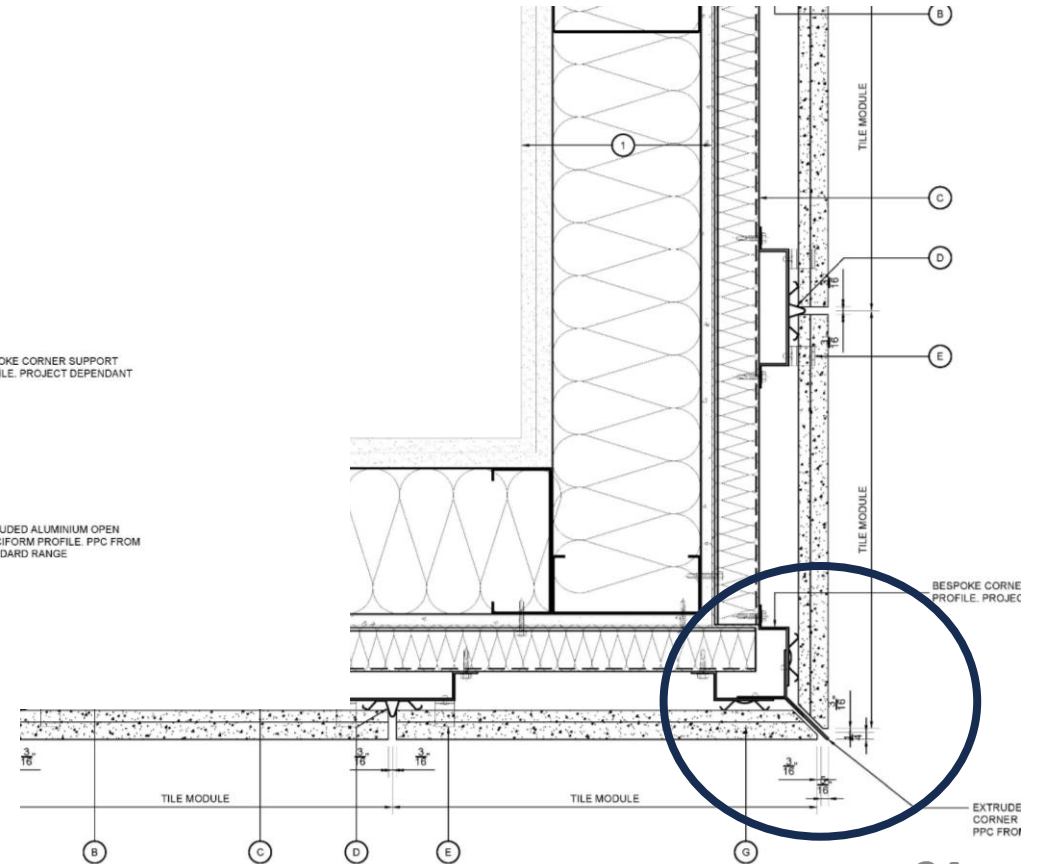
CORNER PROFILE OPTIONS

RG-EUD11 FOR MITRE CORNER OPTION



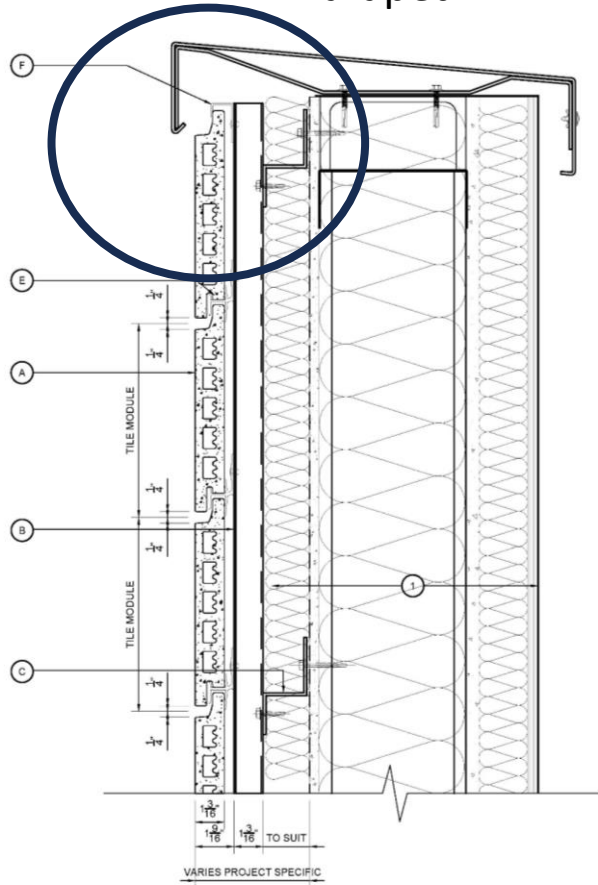
### Horizontal Panels Outside Corners

- Trim or mitre

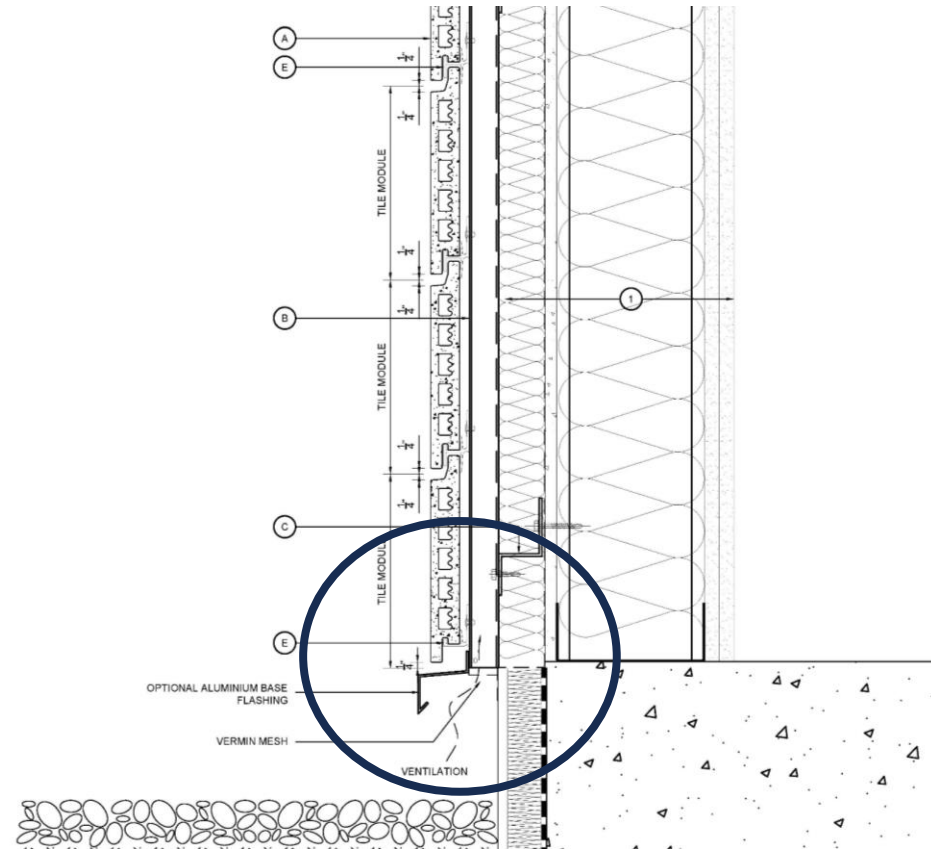


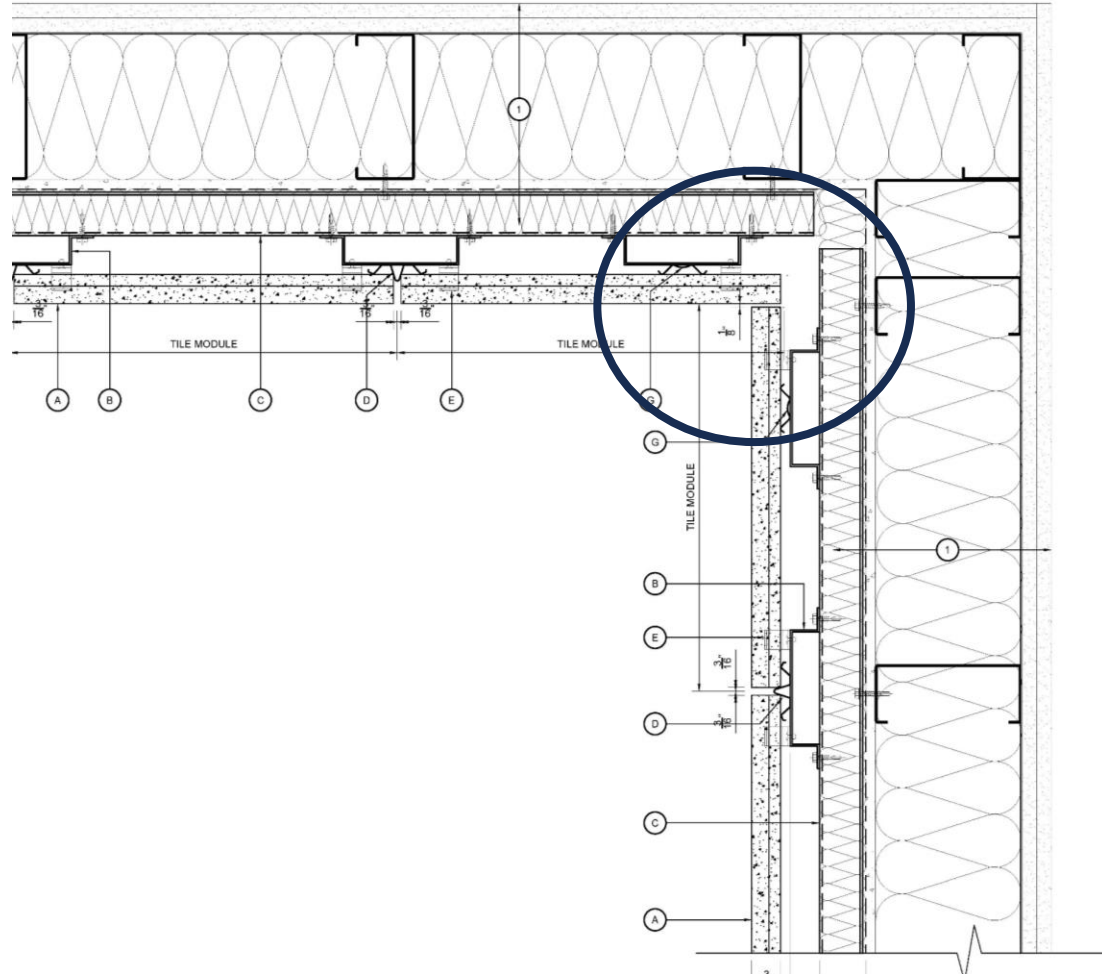


Parapet



Grade



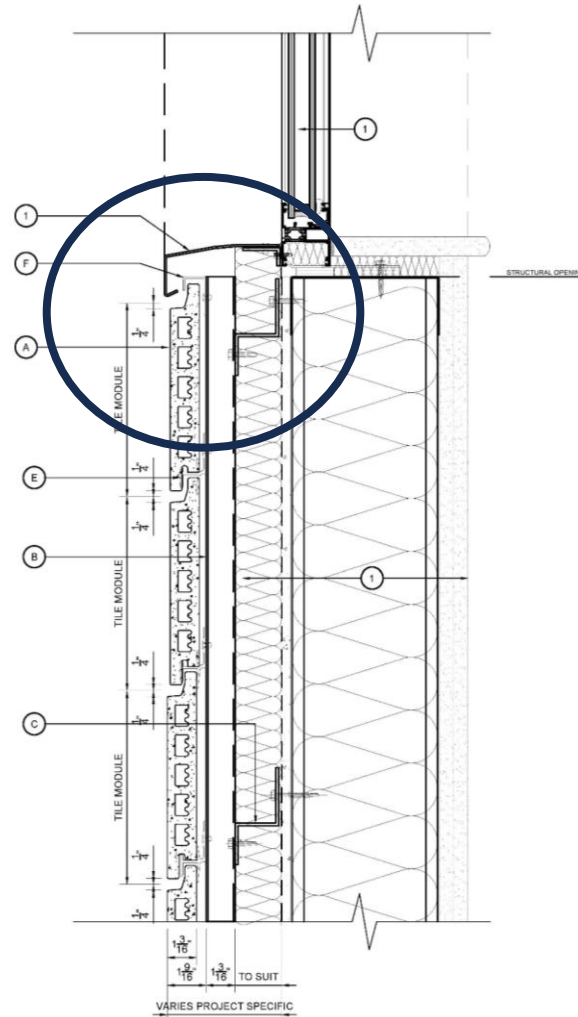


Horizontal Panels  
Inside Corners

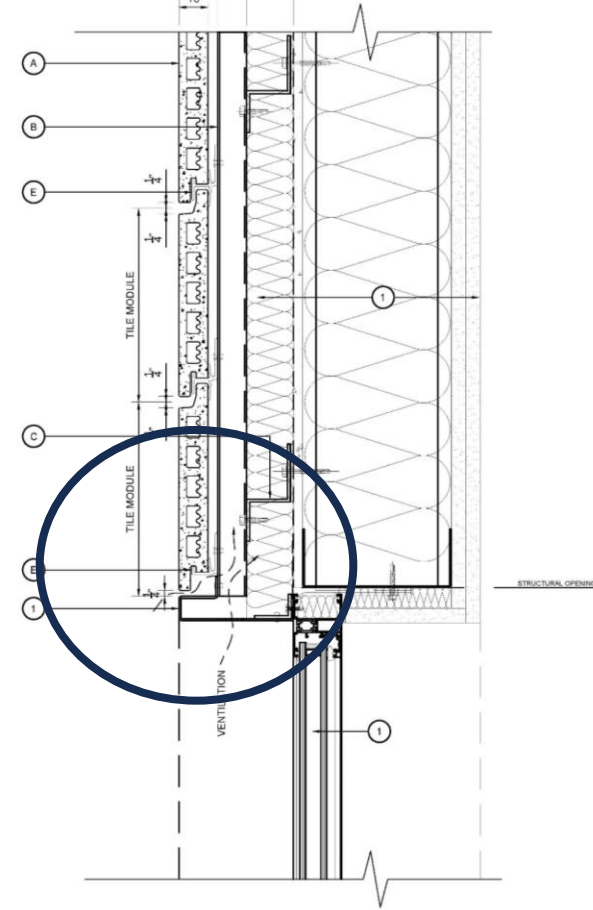




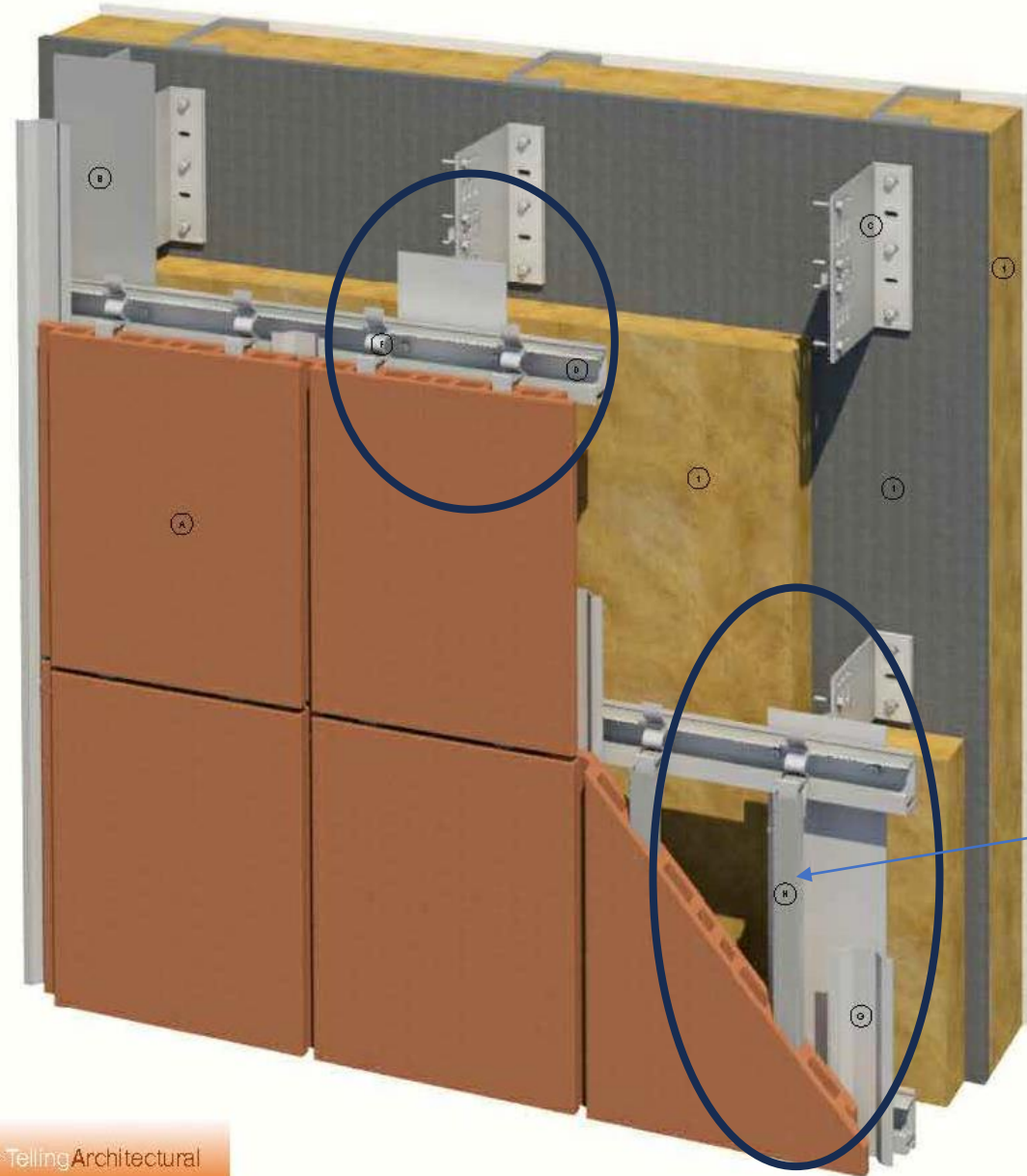
Window Sill



VARIES PROJECT SPECIFIC



Window Head

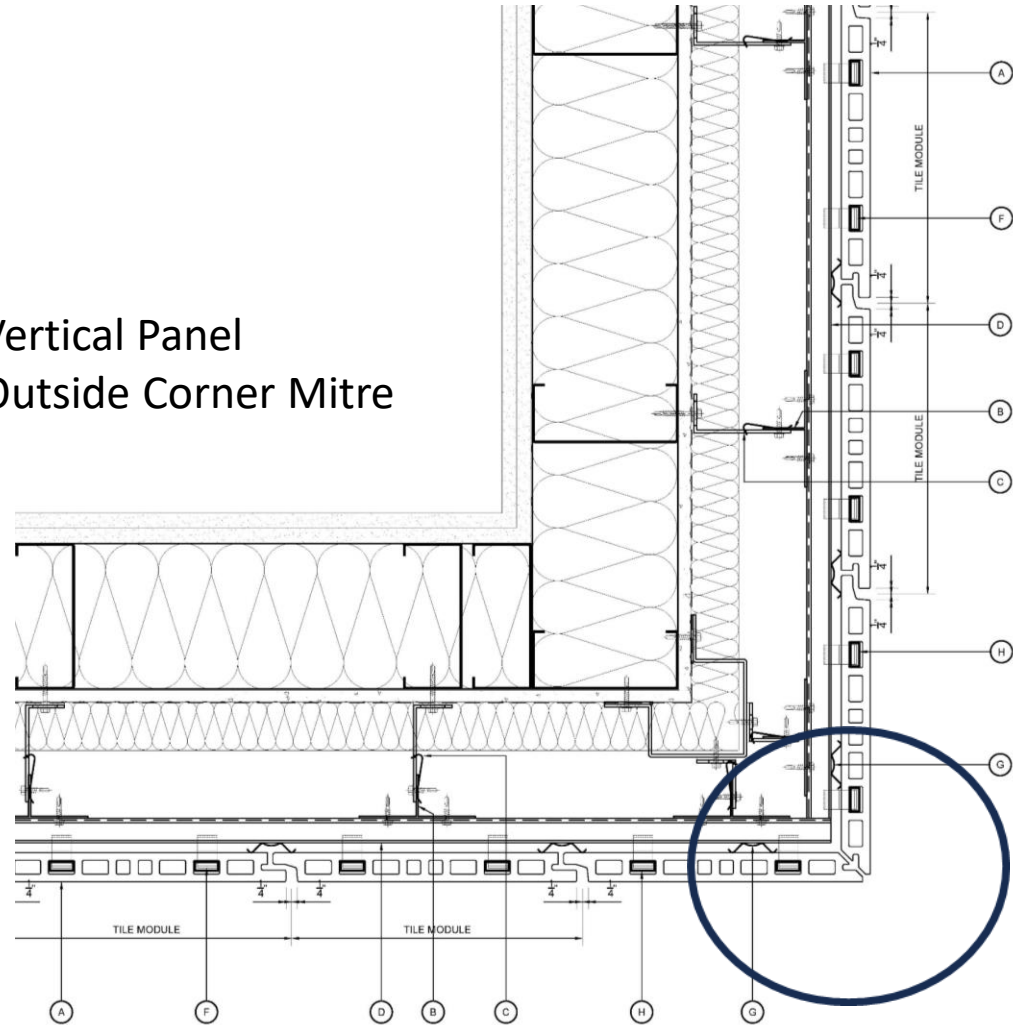


Vertical System

Optional: Bar for impact, eg washers, swing stages



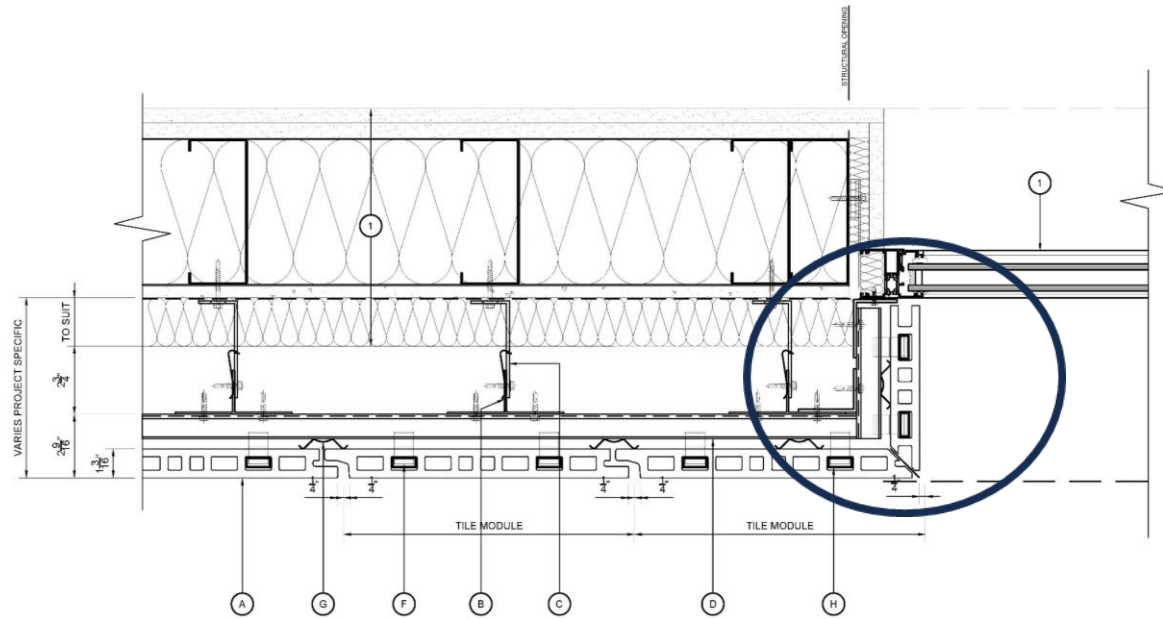
Vertical Panel  
Outside Corner Mitre





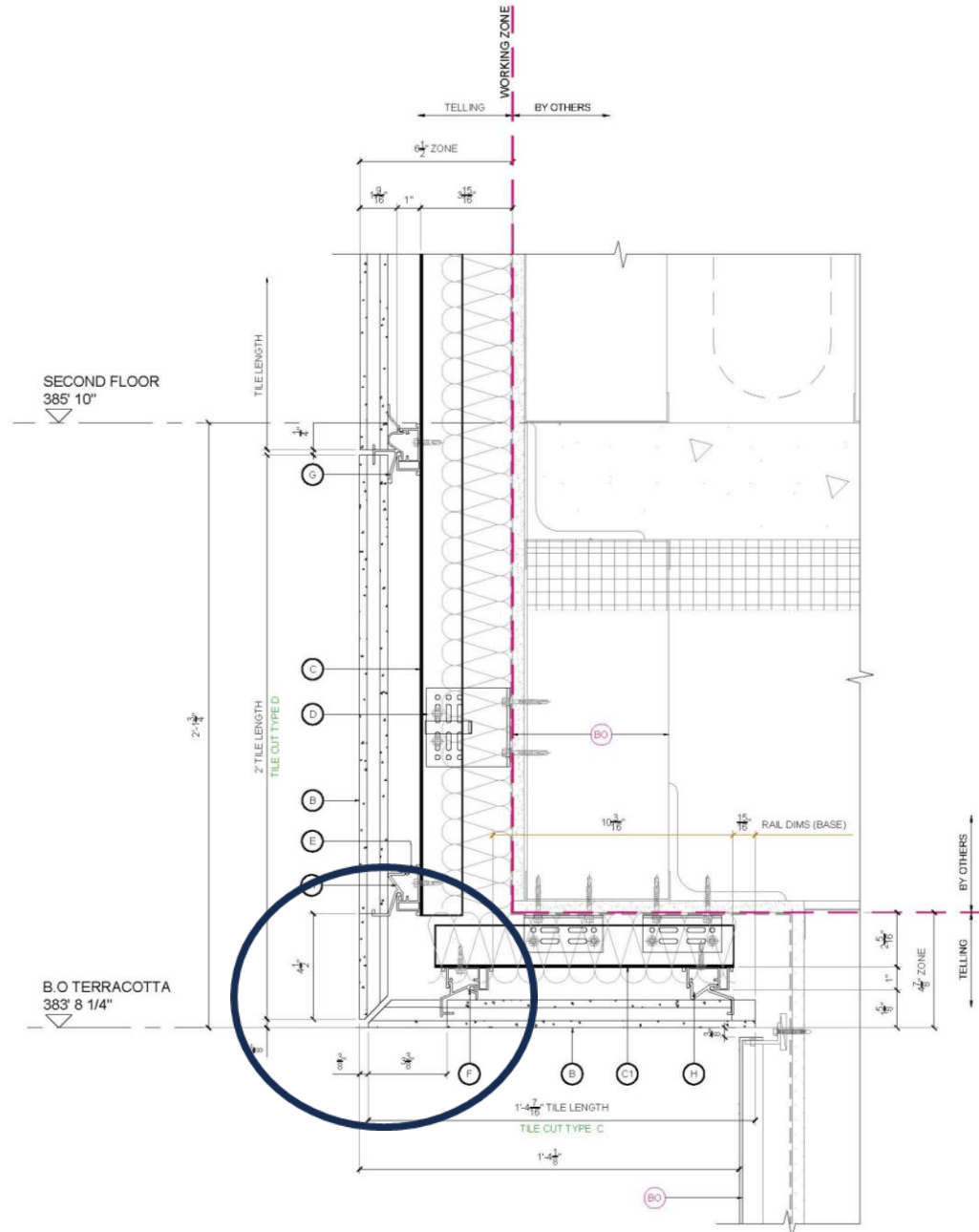


## Vertical Panel Window Return



### Soffits

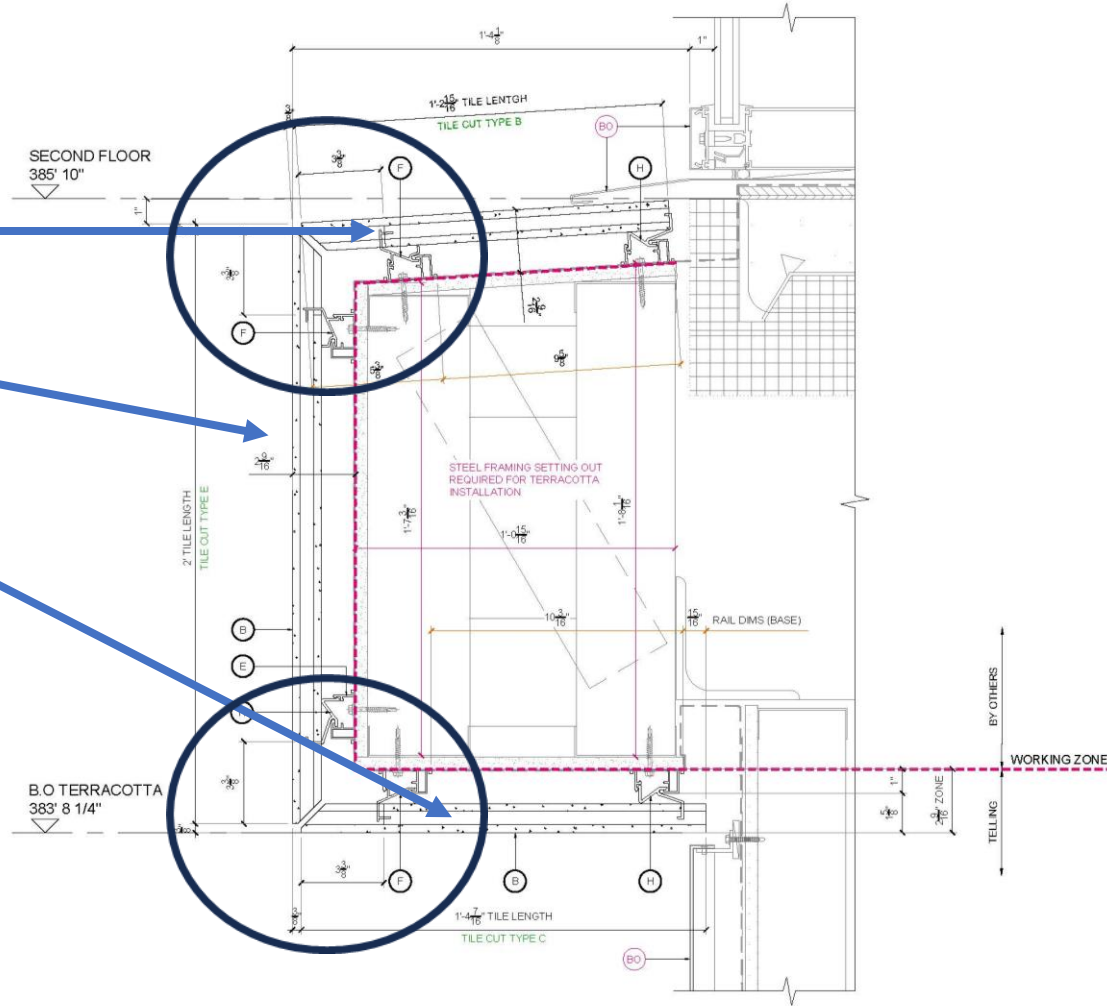
- 'horizontal or vertical'
- As simple as façade corners





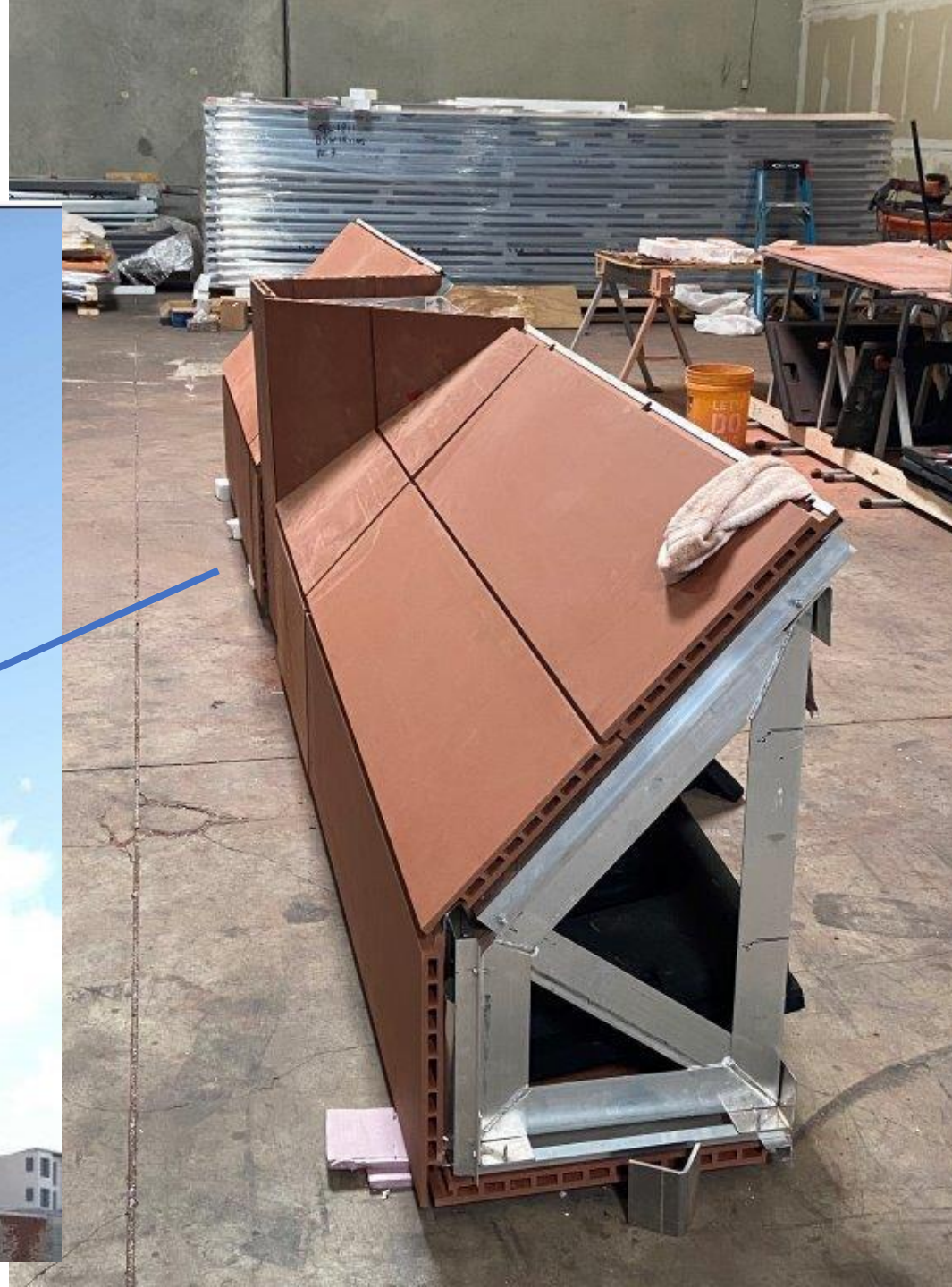
### Cross Section of 'bump out'

- Top
- Fascia
- Soffit



Very simple corners







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- Perception on cost for you and your clients?
- Was Argeton on your radar?
- Where do you position terra cotta re design freedom?





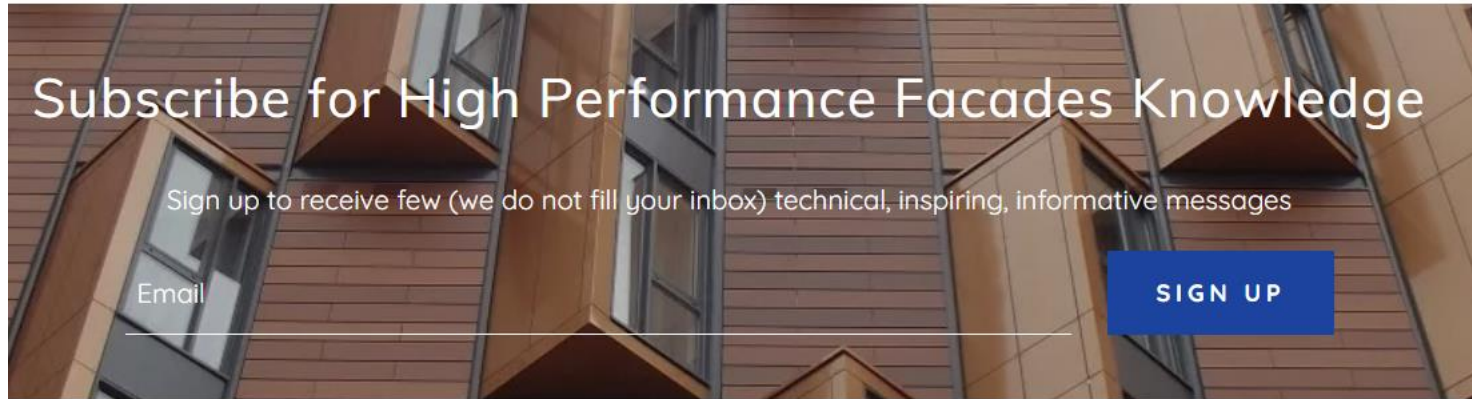


**Blair Davies, P.Eng.** 

An Expert and Agent for High Performance innovative, aesthetic, sustainable, cc

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