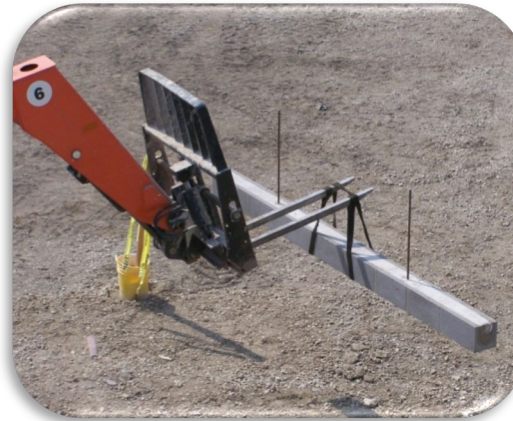


PREFABRICATED MASONRY



PREFABRICATED MASONRY OPTIONS

- panels
- rooms/elements
- lintels/beams
- sound barriers
- carbon fiber
- more



WHY PREFABRICATE MASONRY ?

9.5.17 - FEEDBACK FROM TURNER (ATTILIO RIVETTI, VP)

- Panelization of exterior masonry walls can be the game changer needed for masonry products to further utilize as an exterior wall solution for our projects. Panelized exterior wall solutions allow for the following:
 - Early design integration and coordination with the Design Team
 - Actual weights and connection details coordinated early with the Structural Engineer which will often reduce structural weights since the Engineer has conclusive information to based spandrel beam sizes.
 - Off-site fabrication during the foundations and structural steel erection.
 - Prefabrication of wall panels in a conditioned environment, leads to better quality. No costs allocated for wet and cold weather impacts
 - Improved field schedule
 - Potential cost savings

PREFABRICATED MASONRY - STONE VENEER PANELS



Beisanz limestone – manufactured in Winona, MN, installed in Milwaukee

PREFABRICATED MASONRY - STONE VENEER PANELS



Beisanz limestone – manufactured in Winona, MN, installed in Milwaukee

PREFABRICATED MASONRY - STONE VENEER PANELS



Beisanz limestone – manufactured in Winona, MN, installed in Milwaukee

PREFABRICATED MASONRY - STONE VENEER PANELS



Beisanz limestone – manufactured in Winona, MN, installed in Milwaukee

PREFABRICATED MASONRY - SOUND BARRIERS



A photograph of a tall, light-brown brick wall with vertical concrete pillars, likely a security or detention wall. The wall is constructed from large, rectangular bricks laid in a running bond pattern. Three vertical concrete pillars are visible, supporting the wall structure. The wall is set against a clear blue sky, and the ground in the foreground is covered with light-colored gravel.



PREFABRICATED MASONRY - SOUND BARRIERS



PREFABRICATED MASONRY - LINTELS



PREFABRICATED MASONRY - LINTELS



3-STORY - STRUCTURAL CMU



Wipfli Office Building (summer 2017) - Eau Claire, WI



77 PREFABRICATED MASONRY LINTELS



Wipfli Office Building (summer 2017) - Eau Claire, WI

PREFABRICATED MASONRY LINTELS



PREFABRICATED MASONRY - LINTELS



PREFABRICATED MASONRY - LINTELS



PREFABRICATED MASONRY LINTELS – ON SITE



PREFABRICATED MASONRY LINTELS – ON SITE



PREFABRICATED MASONRY LINTELS – ON SITE



PREFABRICATED MASONRY - STAIR TOWERS / ELEVATOR SHAFTS



PREFABRICATED MASONRY - STAIR TOWERS / ELEVATOR SHAFTS



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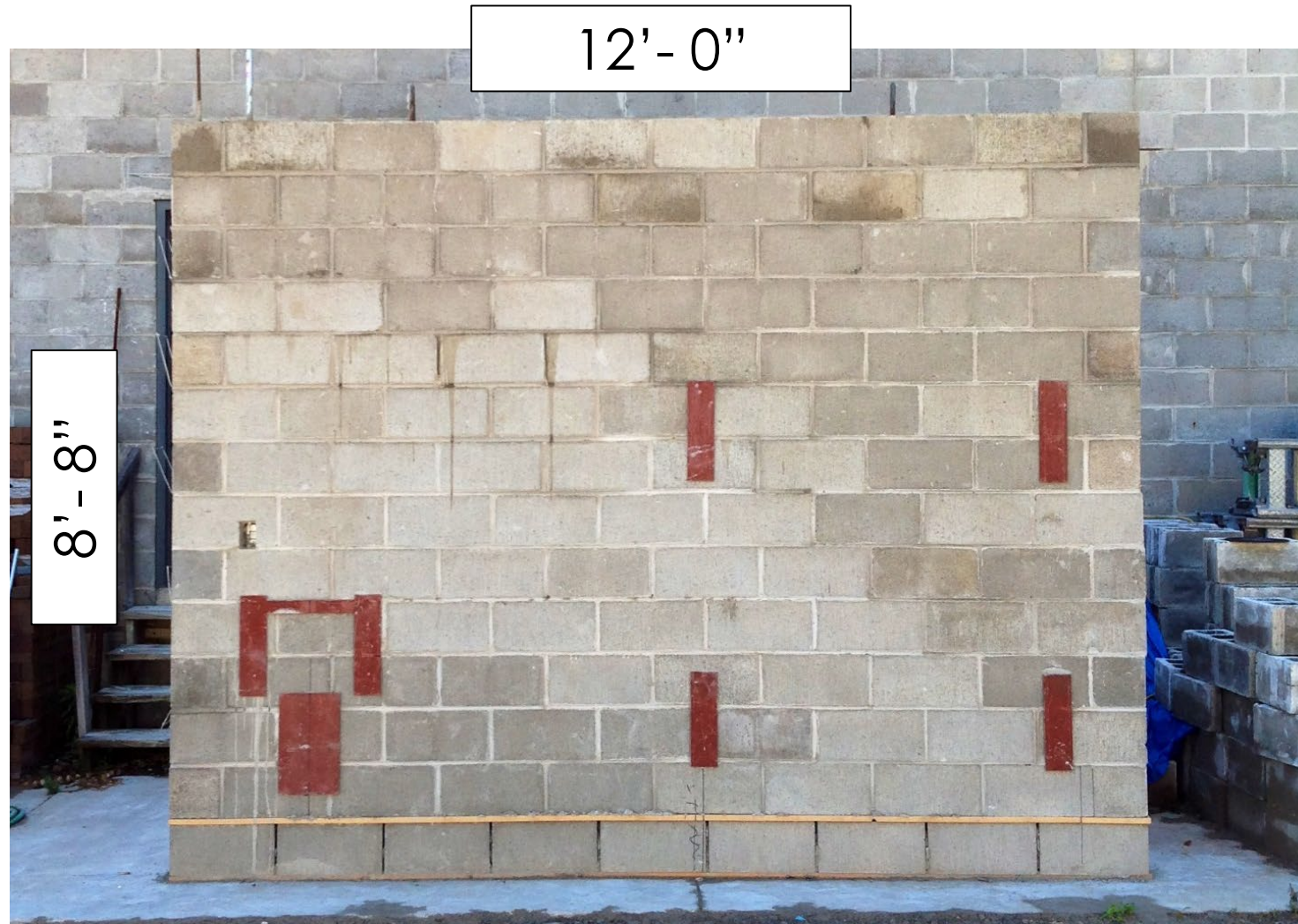
PREFABRICATED MASONRY - CMU WALL PANELS



PREFABRICATED MASONRY - CMU WALL PANELS



PREFABRICATED MASONRY - CMU WALL PANELS



prefabricated 8" thick fully grouted w/ steel embeds for bunks, bench & shelf

PREFABRICATED MASONRY - CMU WALL PANELS



PREFABRICATED MASONRY - CMU WALL PANELS



Heavily Reinforced Wall – Rushville Treatment & Detention Facility

PREFABRICATED MASONRY - CMU WALL PANELS



heavily reinforced wall – [Rushville Treatment & Detention Facility](#)

PREFABRICATED MASONRY - WALLS



PREFABRICATED MASONRY – BRICK LINTELS



PREFABRICATED MASONRY – BRICK LINTELS



PREFABRICATED MASONRY – BRICK LINTELS



PREFABRICATED MASONRY - ARCHES



PREFABRICATED MASONRY - ARCHES



PREFABRICATED MASONRY - ARCHES



PREFABRICATED MASONRY - ARCHES



PREFABRICATED MASONRY - ARCHES



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PREFABRICATED MASONRY - ARCHES



PREFABRICATED MASONRY - ARCHES



PREFABRICATED MASONRY - ARCHES



The Great Hall (Epic Systems Corporation), Verona, WI (2015)

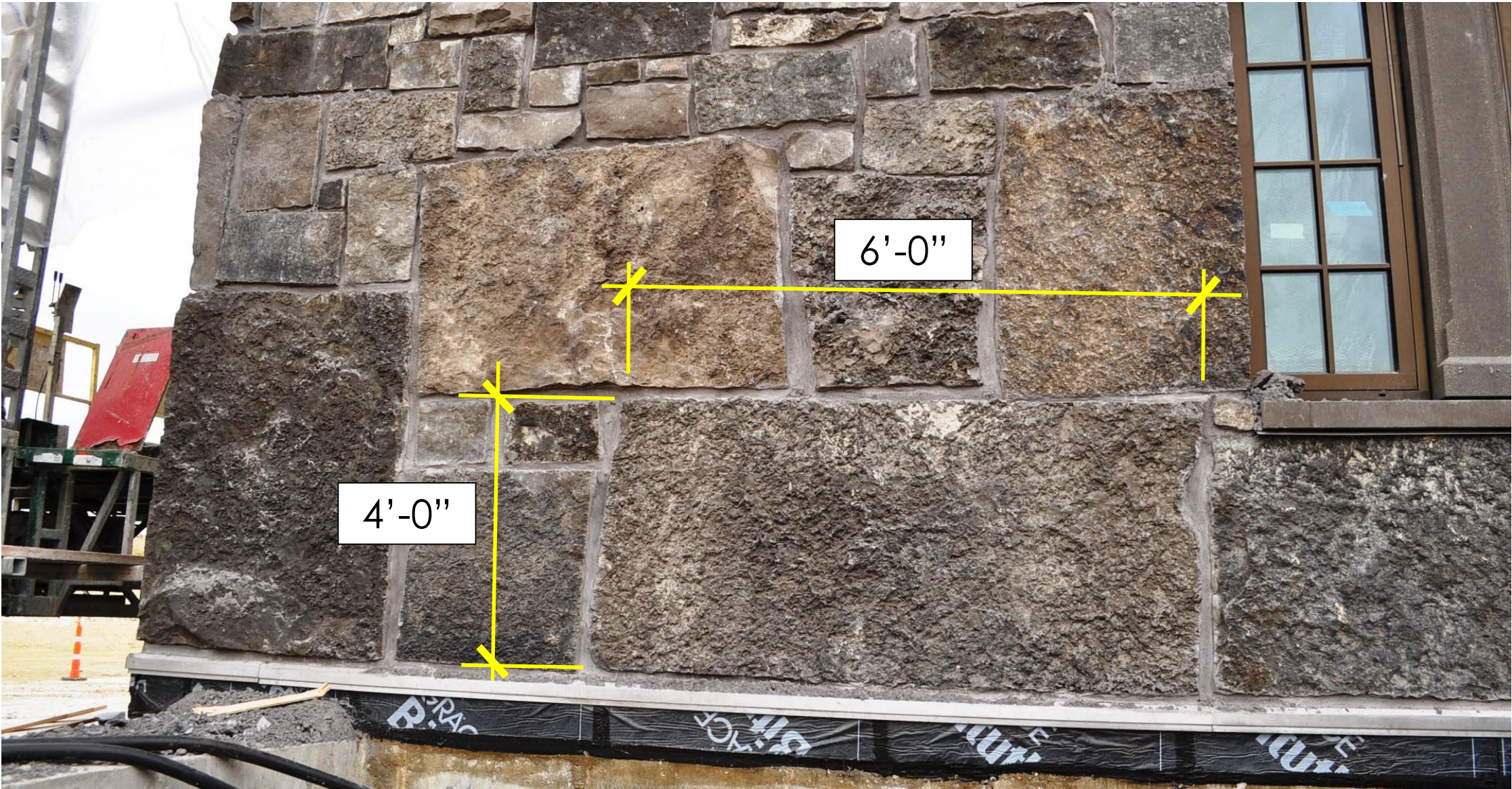
PREFABRICATED MASONRY - ARCHES



PREFABRICATED MASONRY - ARCHES



LARGE STONE VENEER UNIT



PREFABRICATED MASONRY – BARREL VAULT



PREFABRICATED MASONRY – BARREL VAULT



PREFABRICATED MASONRY – BARREL VAULT



PREFABRICATED MASONRY – MEDALLIONS



PREFABRICATED MASONRY – MEDALLIONS



PREFABRICATED MASONRY – THIN BRICK WALL PANELS



PREFABRICATED MASONRY – THIN BRICK WALL PANELS



PREFABRICATED MASONRY – THIN BRICK WALL PANELS



PREFABRICATED MASONRY – THIN BRICK WALL PANELS



PREFABRICATED MASONRY - CHIMNEY



PREFABRICATED MASONRY - CHIMNEY



PREFABRICATED MASONRY - CHIMNEY



PREFABRICATED MASONRY - SOFFIT

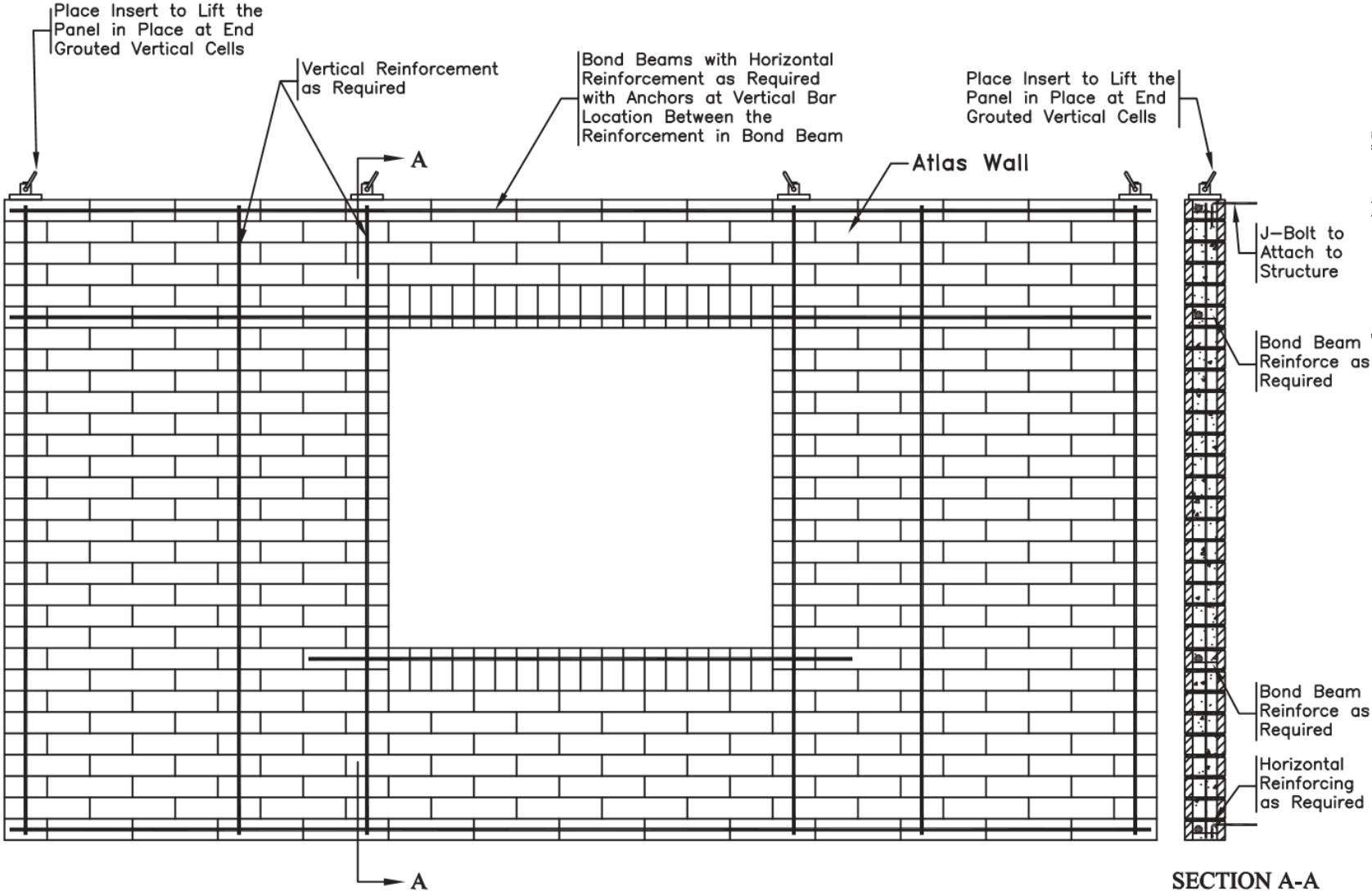


PREFAB BRICK VENEER DECORATIVE ELEMENTS



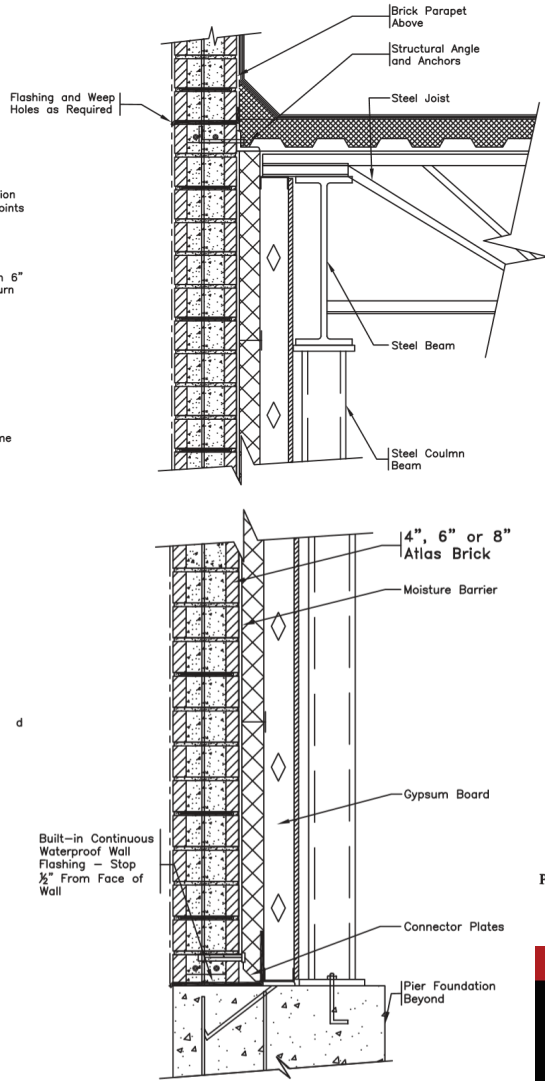
Finley Hospital
DuBuque, IA
Monona Masonry (Rick Skaife)

PANELIZED STRUCTURAL BRICK WALL DETAILS

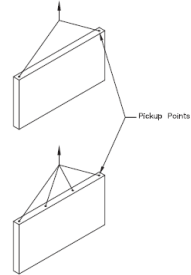


ATLAS PANEL

SECTION A-A

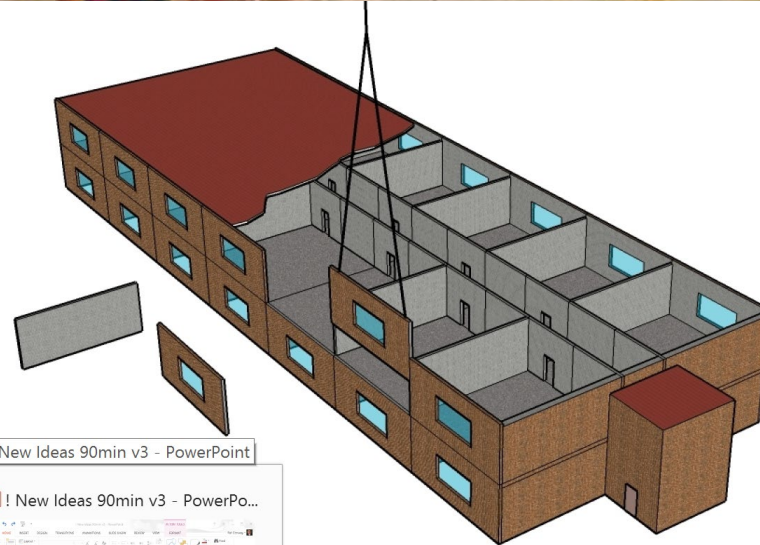


ATLAS STRUCTURAL BRICK
PREFABRICATED
NON-BEARING WALL PANEL



PANEL PICKUP OPTIONS

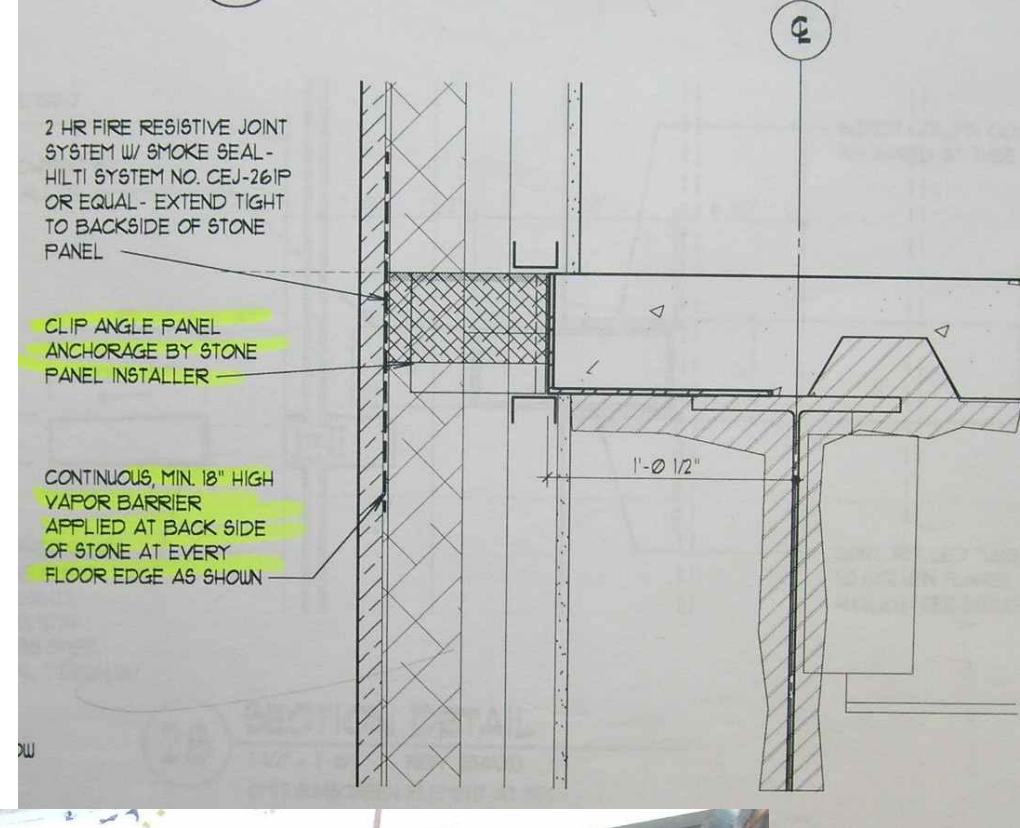
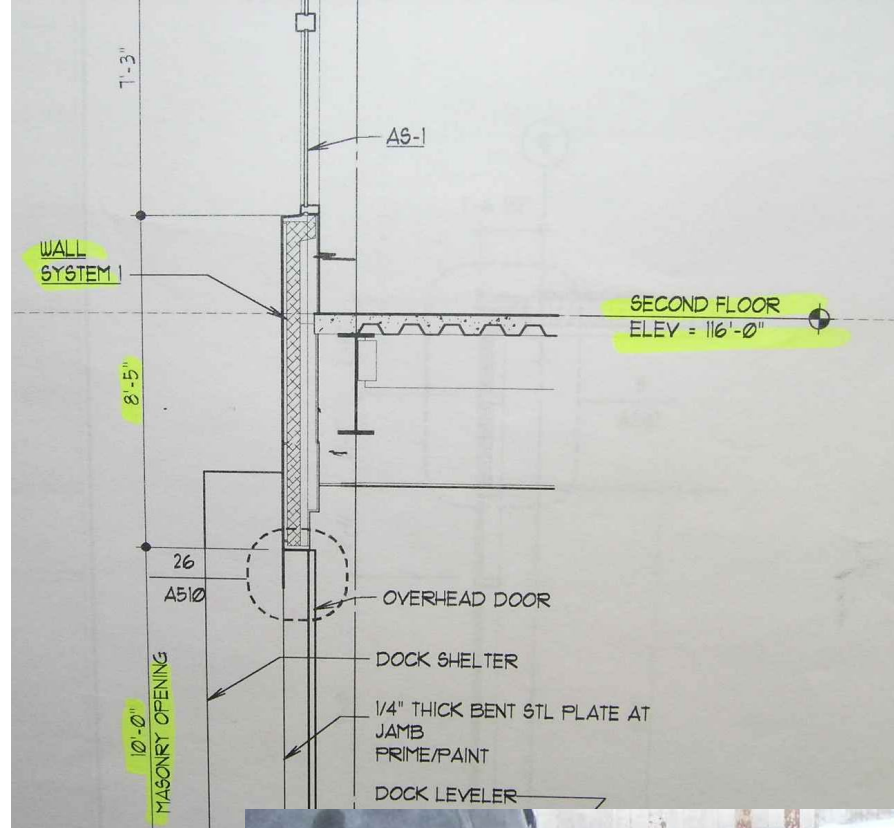




! New Ideas 90min v3 - PowerPoint

! New Ideas 90min v3 - PowerPo...





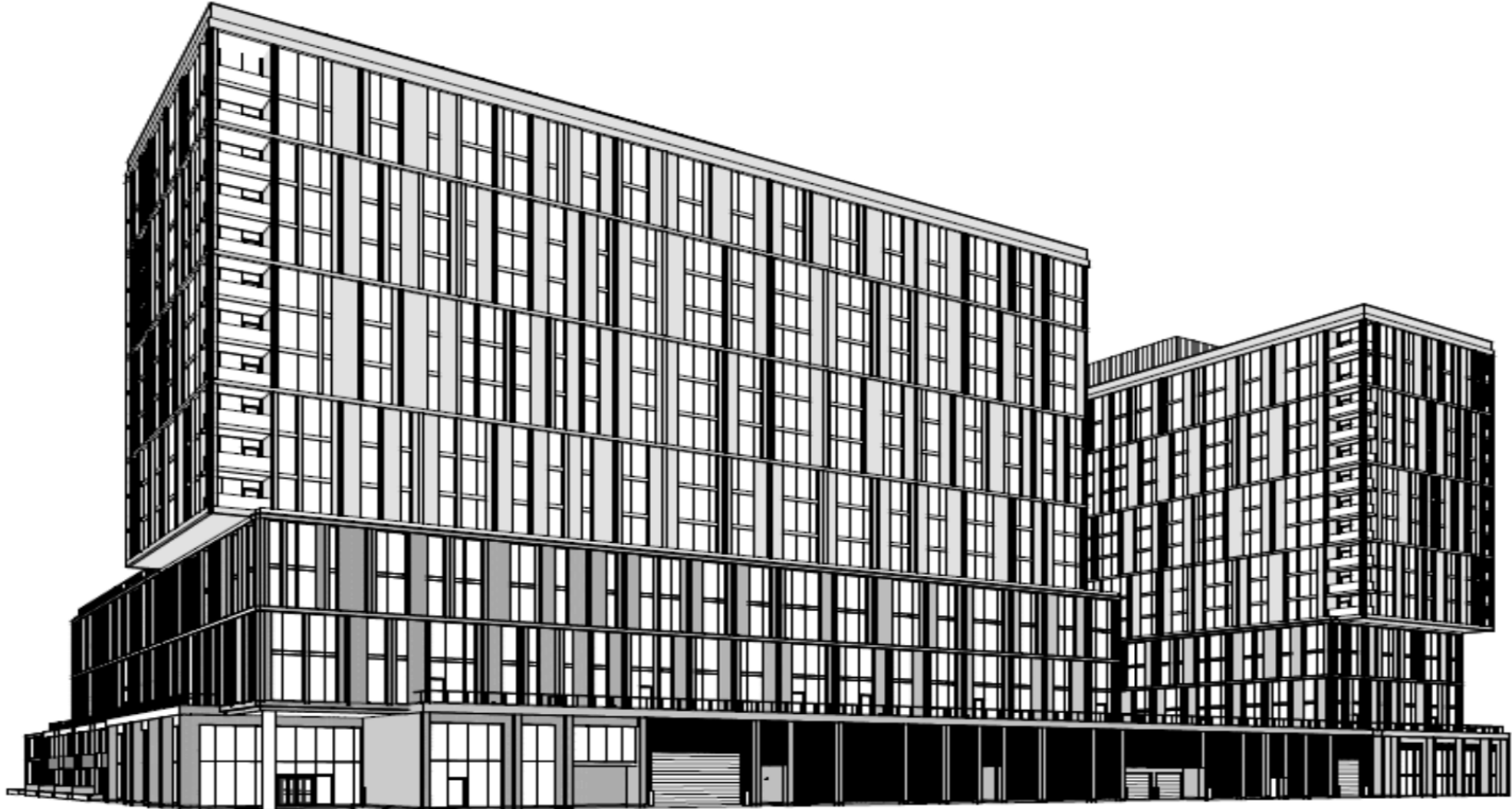
PREFABRICATED MASONRY - EXTERIOR WALL ASSEMBLY



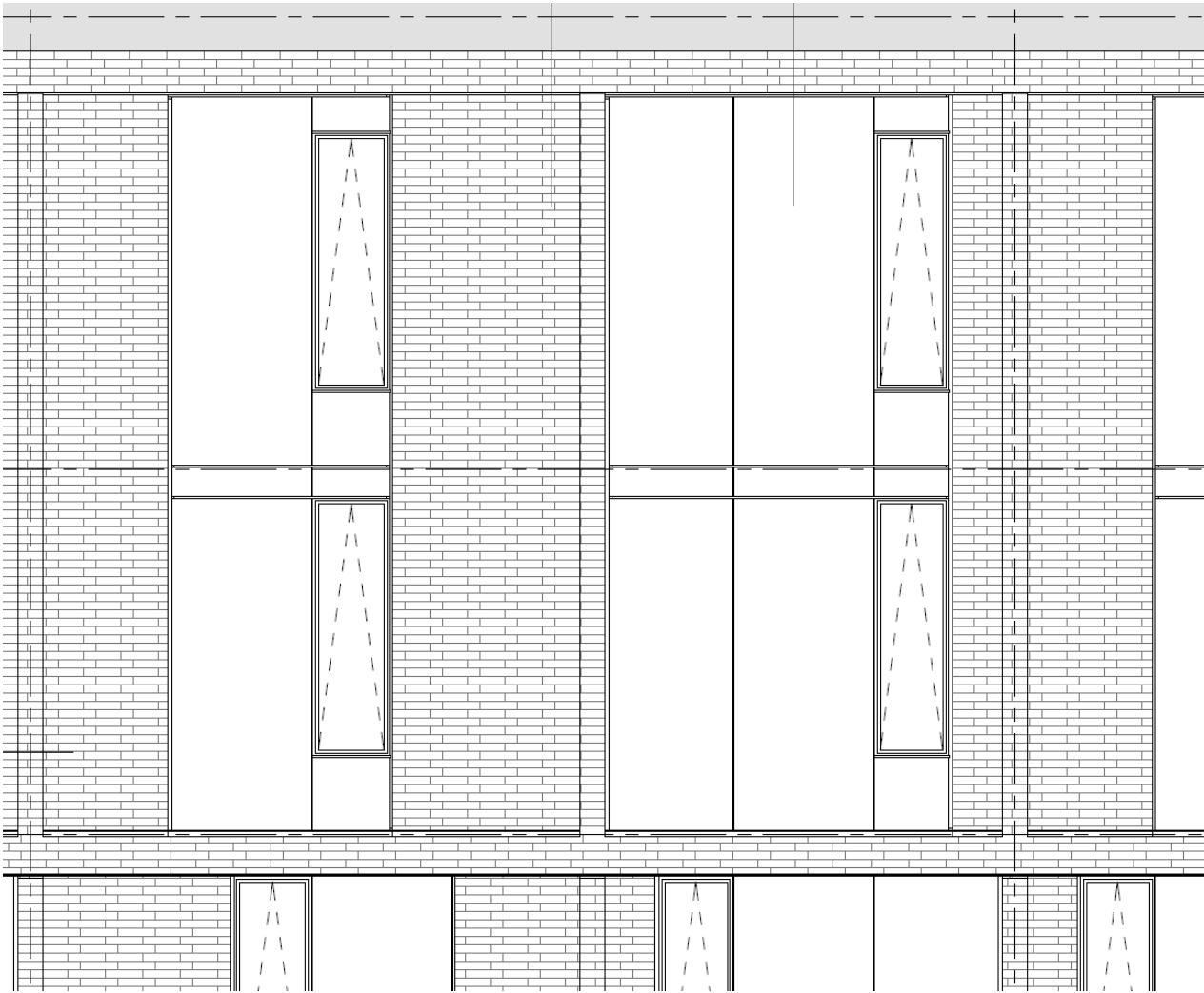
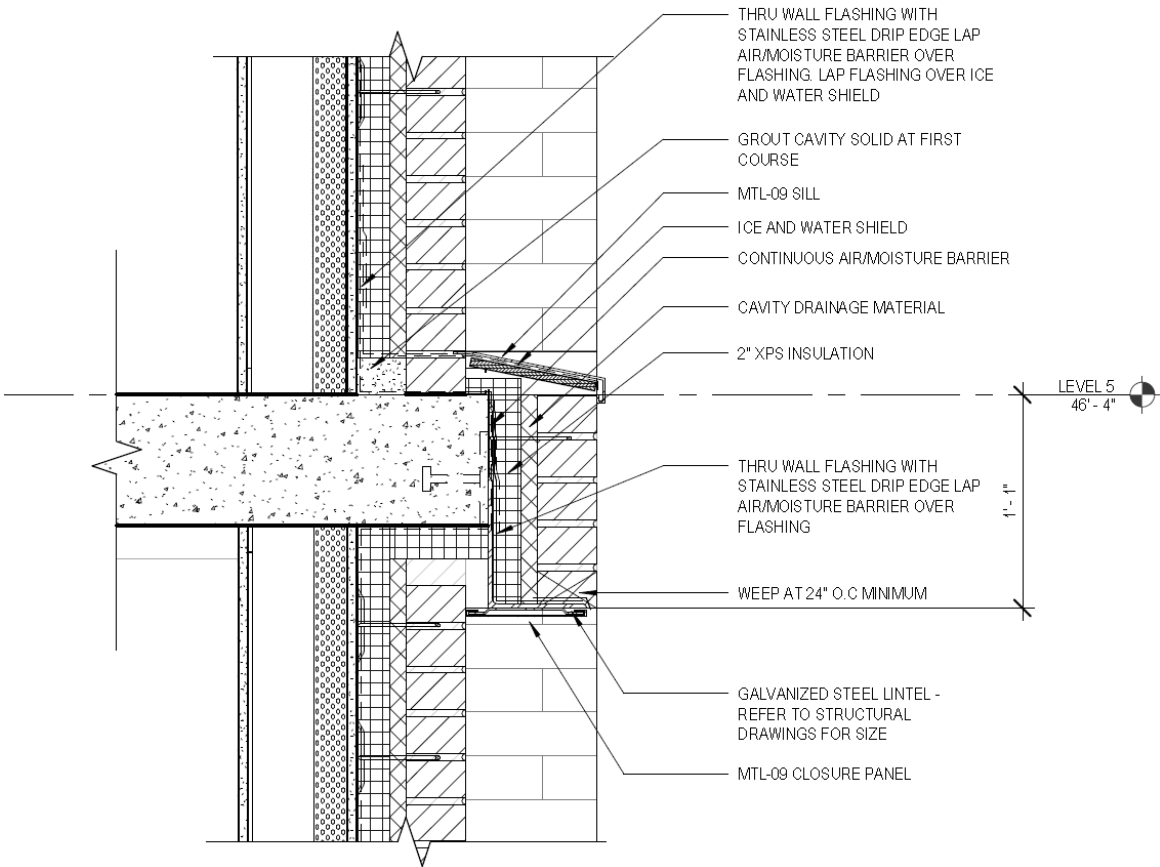
PREFABRICATED MASONRY - EXTERIOR WALL ASSEMBLY



POTENTIAL FOR PREFABRICATED MASONRY VENEER PANELS (VERTICAL & HORIZONTAL)



POTENTIAL FOR PREFABRICATED MASONRY VENEER PANELS (VERTICAL & HORIZONTAL)



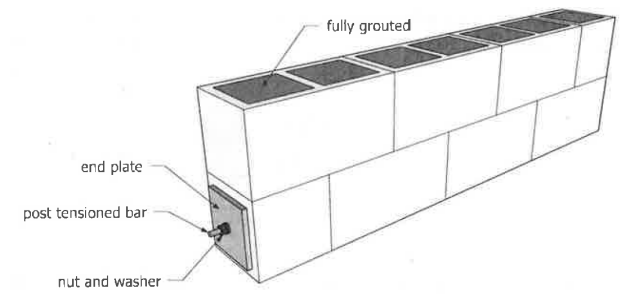
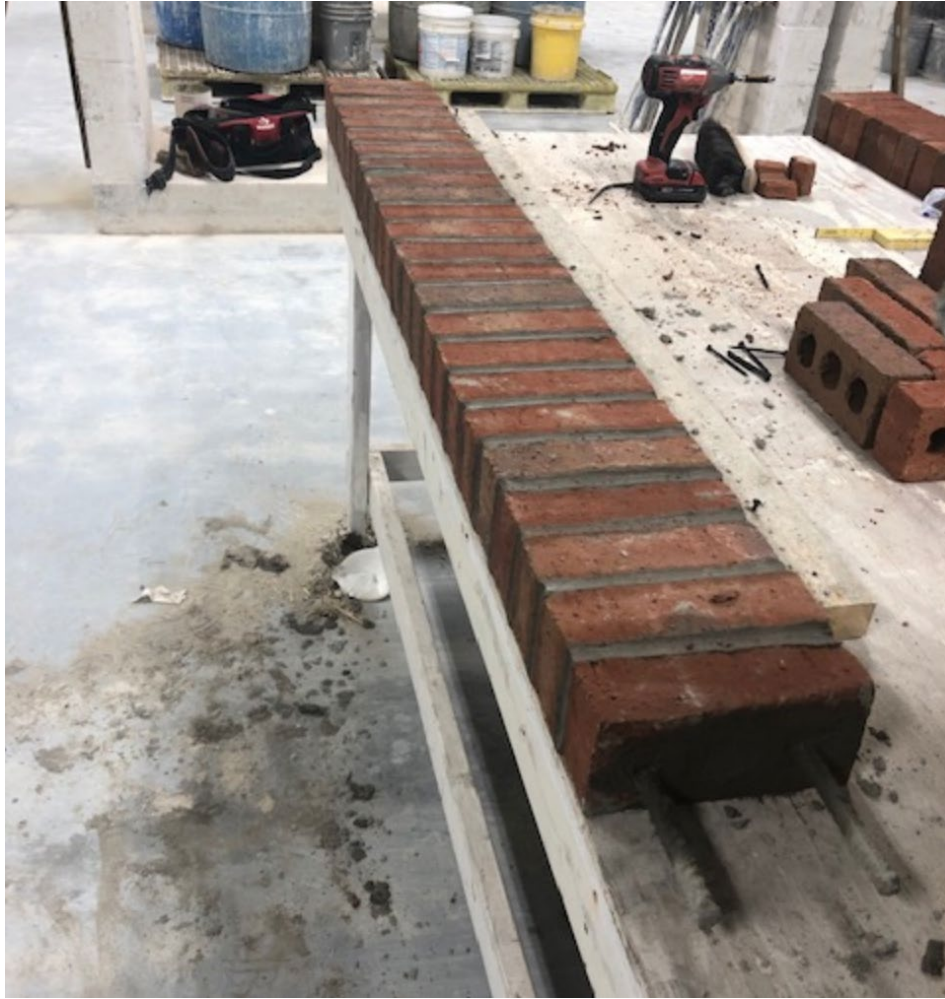


Figure 1. Post-tensioned masonry beam.

PREFABRICATED MASONRY - ARCHES

