

## ADDED VALUE AND AESTHETICS TO ARMOR PRE-ENGINEERED BUILDINGS

Today's pre-engineered steel buildings don't need to modify your needs, they meet or exceed them. Over the past 10-15 years, the Pre-engineered Steel industry has made dramatic technical improvements in product cost, construction time and aesthetic efficiency versus conventional construction. These improvements allow much more pleasing aesthetics to be added to Armor pre-engineered steel buildings. Armor can design to meet your exact size dimensions, even down to 1/8th of an inch. Interiors can be designed to accept one, two or three stories of mezzanines.

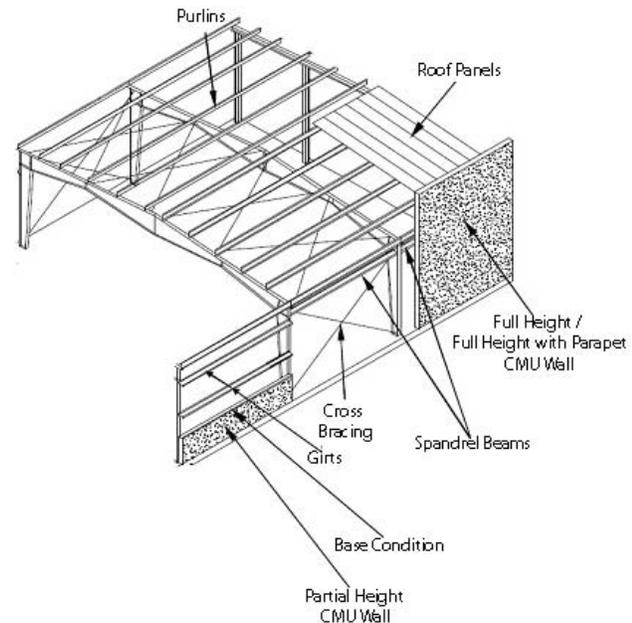


**Exteriors:** can be designed with walls of brick, block, glass, pre-cast concrete, tilt-up concrete, vinyl siding or even wood. As with other construction methods, when concrete, masonry or other exteriors are used with an Armor building there are multiple parties responsible for the structural design and attachment. **The attached forms are intended to provide information about Armor Buildings systems that will assist the project designer in their task.**

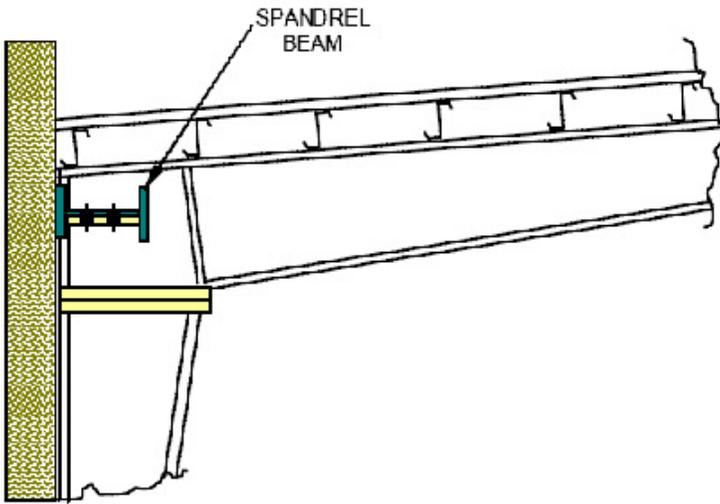
**Cost Efficiency:** Other forms of conventional construction can rarely match the economics of a low-rise pre-engineered Armor Buildings system. We can deliver a customized building at a more economical cost and efficiency than conventional construction. The main structural and secondary framing systems of your building work together; allowing greater flexibility for code, extreme snow, seismic and wind load stability with out requiring unnecessary building materials. Standing Seam roof or other similar roof systems offer a lifetime of use and are much more efficient for reducing cost of maintenance, energy, construction and time over built-up or rubber roof systems.

**Speed of Construction:** Because Armor pre-engineered building materials are fabricated and delivered to site quickly, (approx. 6-12 weeks) and since the building is designed to bolt together perfectly, construction is fast and more cost efficient. This can allow the use of the building sometimes as much as 30% ahead of schedule over other conventional types of construction, providing a much quicker return to your customers investment and reducing the total cost of ownership.

**Warranties:** Unlike conventional construction, many design professionals take advantage of the warranties offered on Pre-engineered buildings from Armor. These include warranties and state engineer certification on the structural design that meet almost any extreme environmental conditions that you request in your specifications for a lifetime of use. Unlike wood or other types of conventional construction, the loads on an Armor building system are not reduced or pro-rated over time. Armor Buildings have a lifetime certification for the snow, wind and seismic codes specified. Exterior steel panels come with up to a 40 year warranty on the coatings. Roof systems are available with a 20 year weather tightness warranty when installed, warranted and certified by a professional erector.

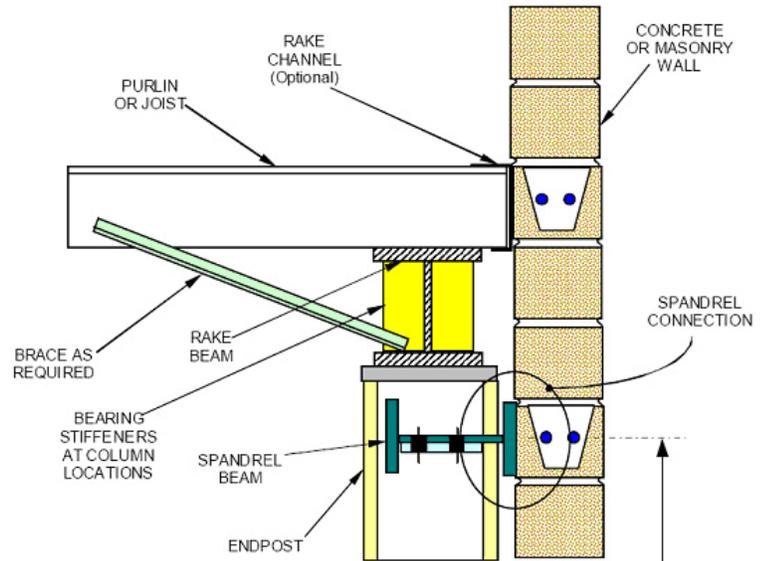


SAMPLE DETAILS FOR CMU, TILT UP, EIFS WITH SPANDREL SUPPORT

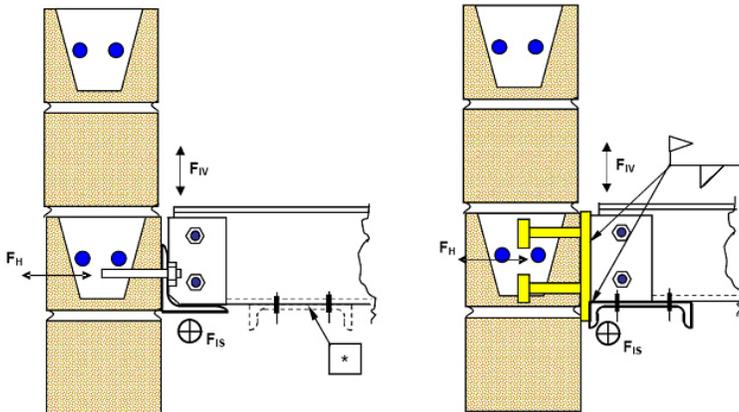


← *Vertically Reinforced wall supported by Spandrel Beam.*

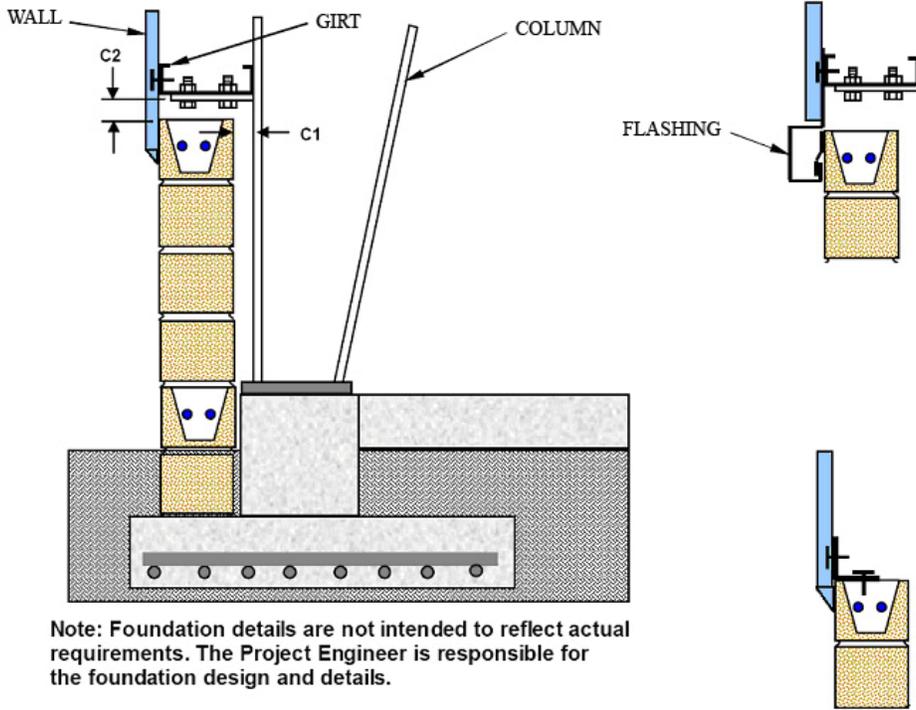
*Spandrel Beam Attachment at Endwall Detail* →



FOR CMU WALLS SPANDREL ELEVATION MUST BE COORDINATED WITH MASONRY MODULE TO ASSURE CONNECTION COMPATIBILITY.



← *Purlin attachment to masonry for support (No Endwall Columns or Frame)*



← *Partial Wall Options.*

Note: Foundation details are not intended to reflect actual requirements. The Project Engineer is responsible for the foundation design and details.

*Roof Rafter Support using Tilt-Up or CMU. No Sidewall Columns →*

