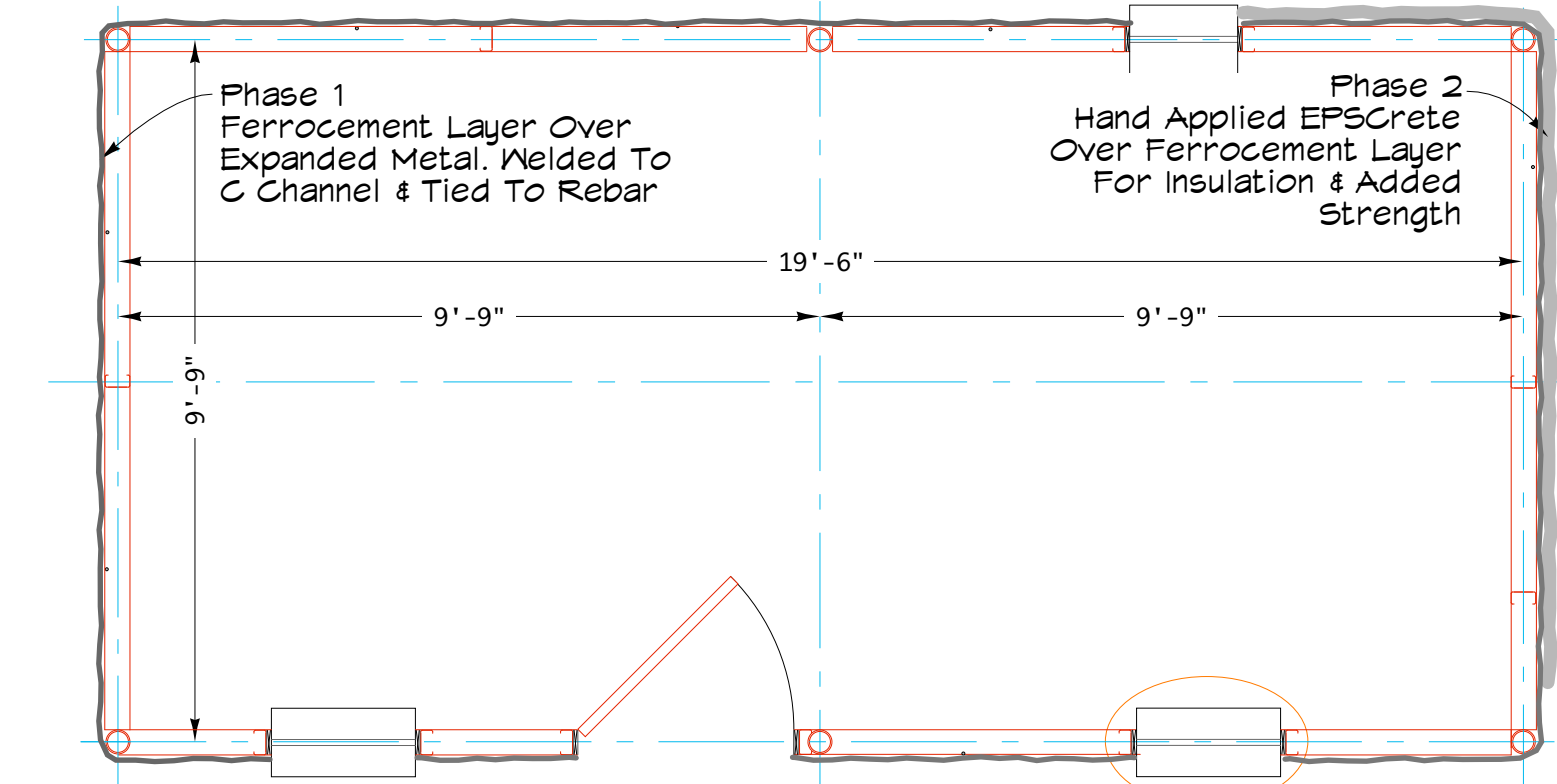
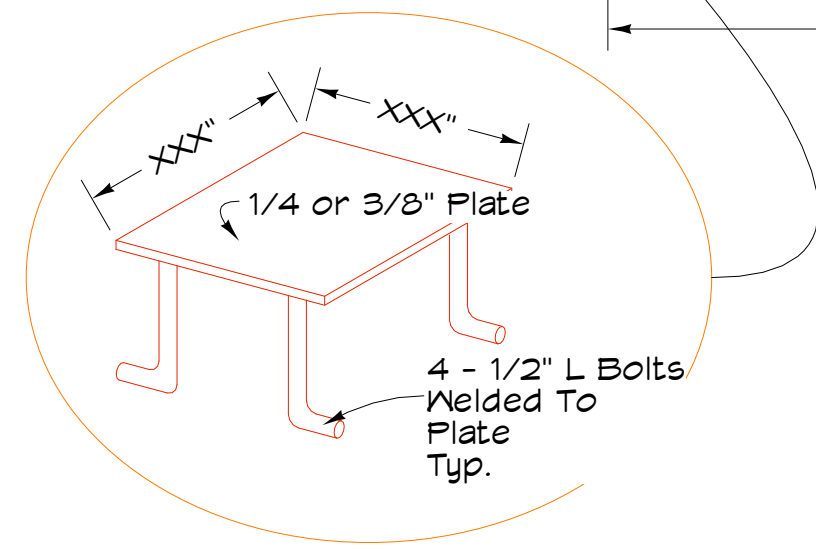


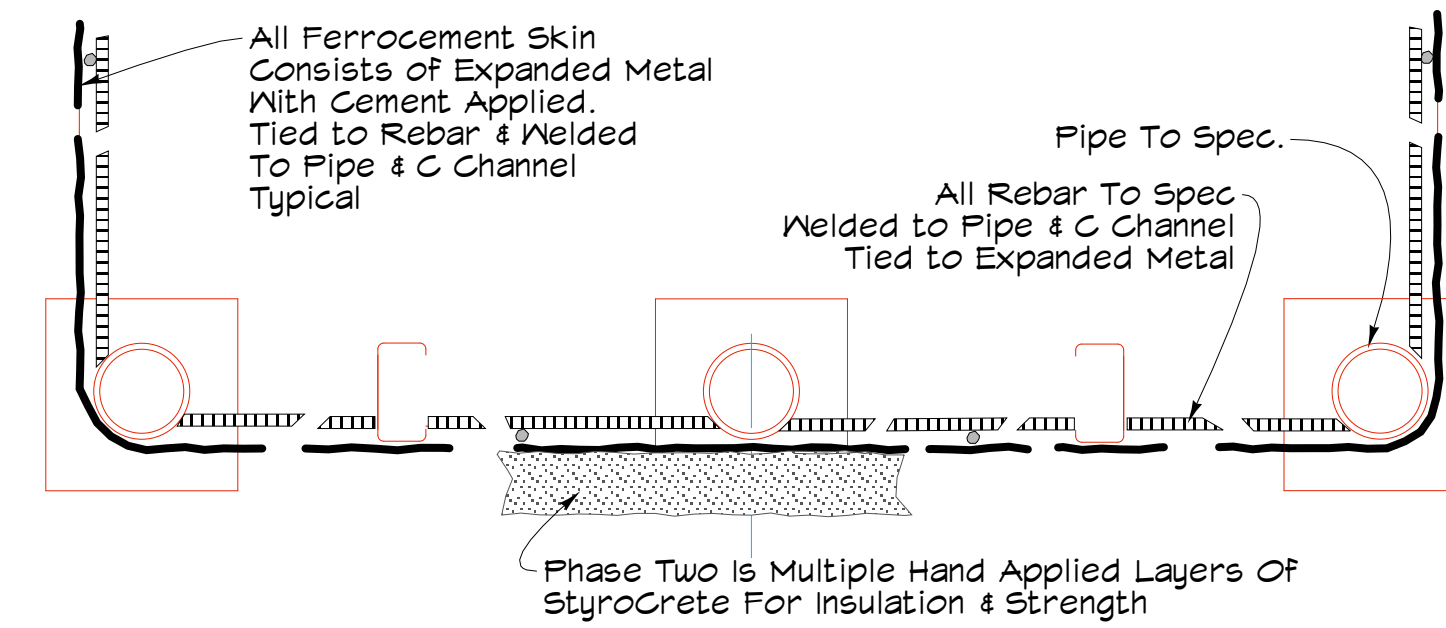
**Smaller Foundation Plan**  
 Scale: 1" = 32"



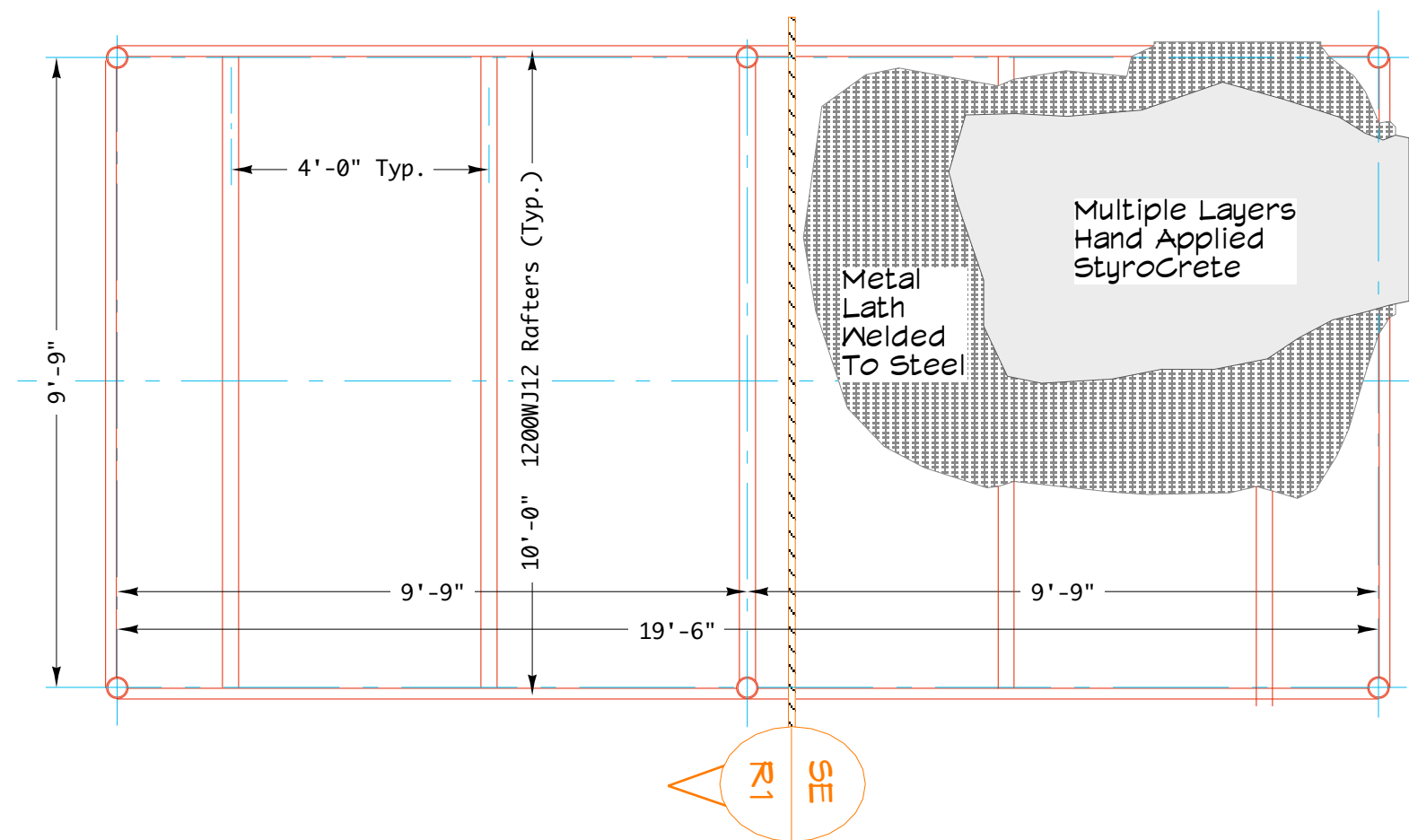
**Smaller Floor Plan**  
 Scale: 1" = 32"  
 176 Sq ft

**Notes:**

- These plans call for a steel frame erected on a foundation that will suit local soils, seismic conditions and weather potential.
- Steel frame may vary with location and specific design load specifications.
- Design allows for all required imported materials to fit in a twenty foot shipping container. Approximately ten modules will fit in a container along with the necessary tools to construct the buildings.
- **Phase One** - Place footer, erect steel frame, Ferrocement exterior walls & roof. Can be over diamond lathe or whatever will work. If chicken wire will work it would be slightly less expensive. Phase One would give basic shelter. Quick, inexpensive and strong.
- **Phase Two** - Hand applied EPS/Crete layers applied to the outside of the first phase FC layer on roof and walls for insulation. As many layers as is practical. Appropriate waterproofing layer over roof EPS/Crete.
- **Phase Three** - Enhance the comfort level. Add features that would enhance the performance of the home. Poured concrete floors, passive ventilation, water harvesting tanks, solar hot water, composting toilets, solar power for lighting, etc.

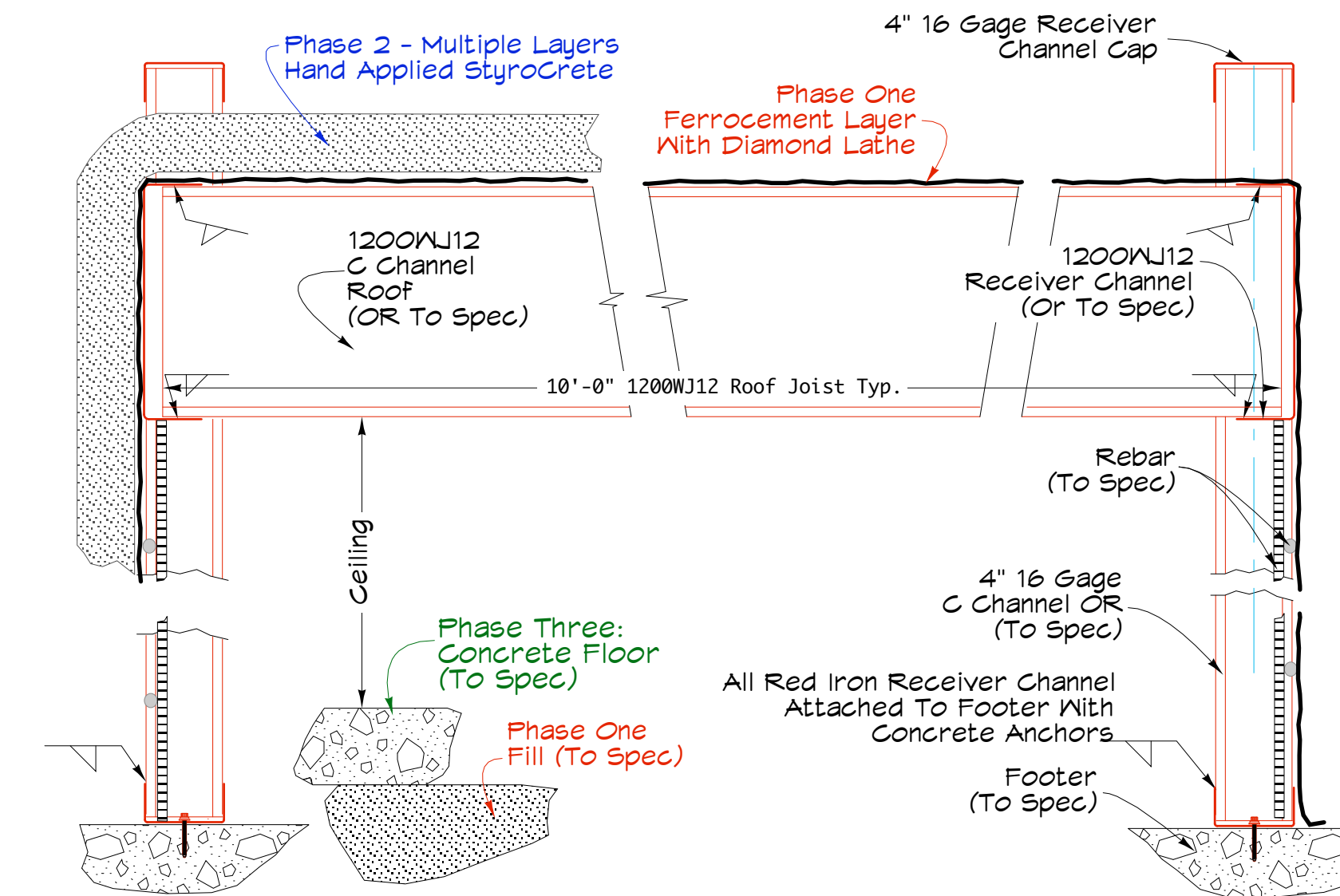


**Typical Steel Frame With Ferrocement Skin & Layer Of StyroCrete**  
 Scale: 1" = 8"

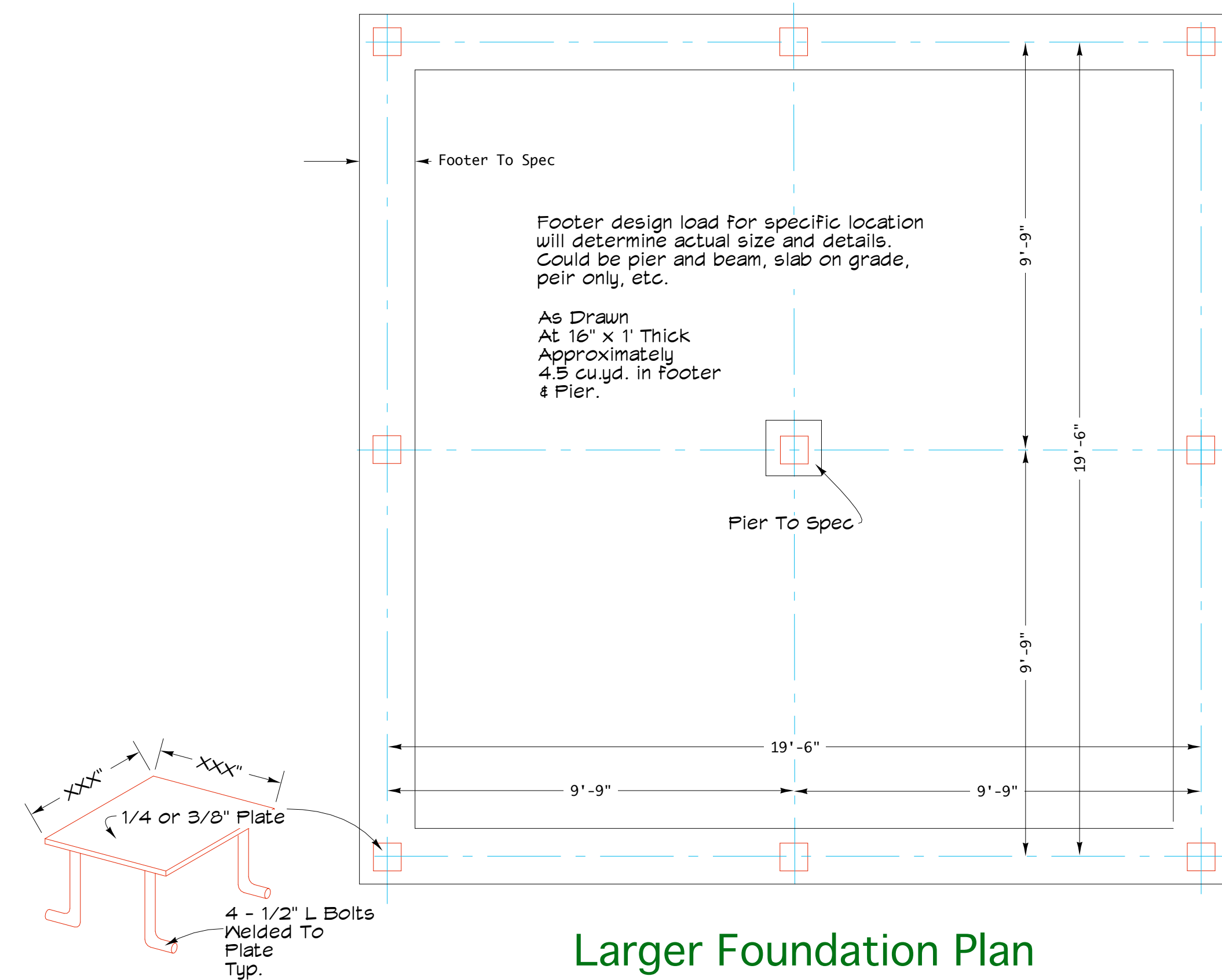


**Smaller Roof Plan**  
 Scale: 1" = 32"

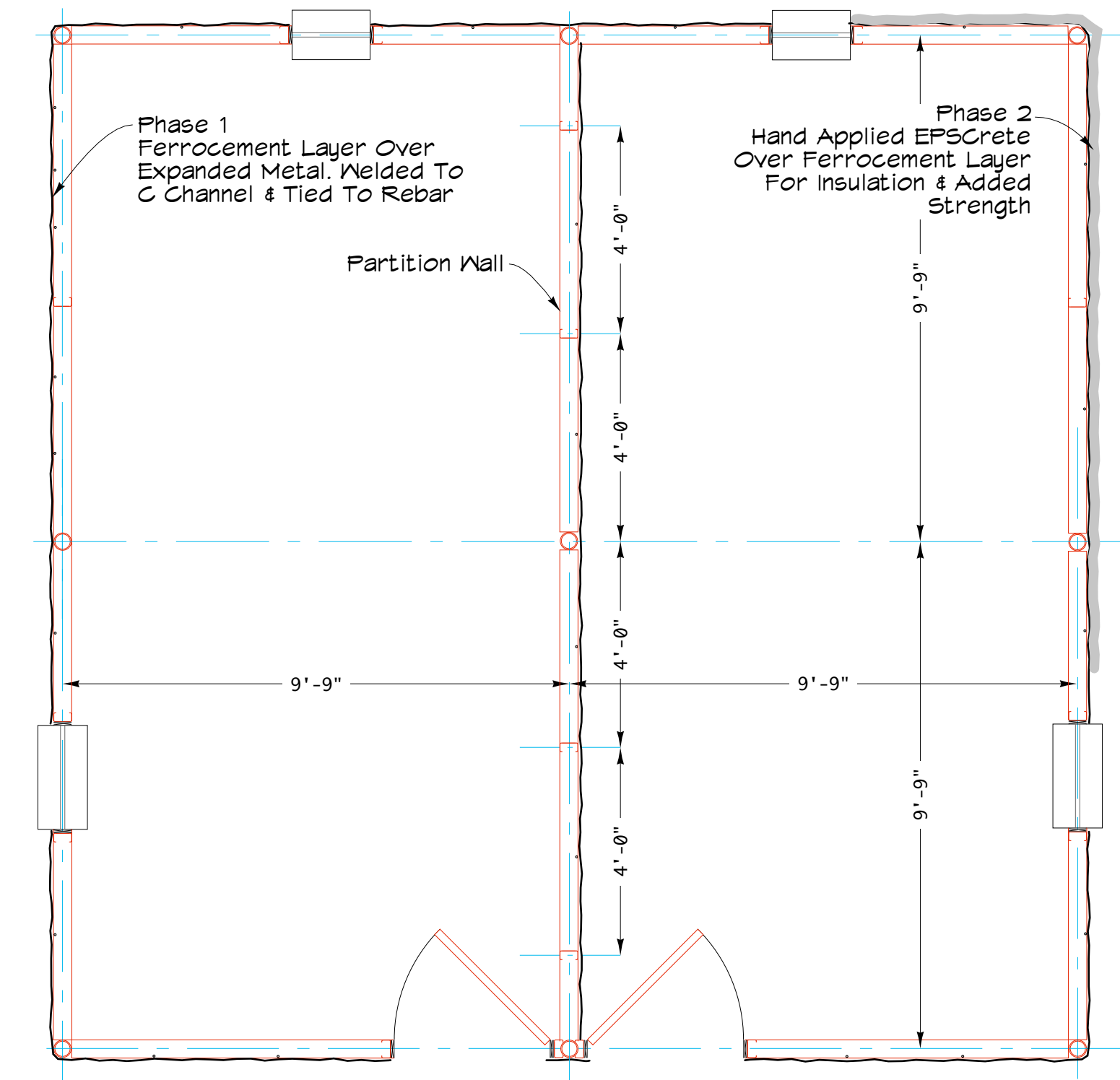
176 Sq ft



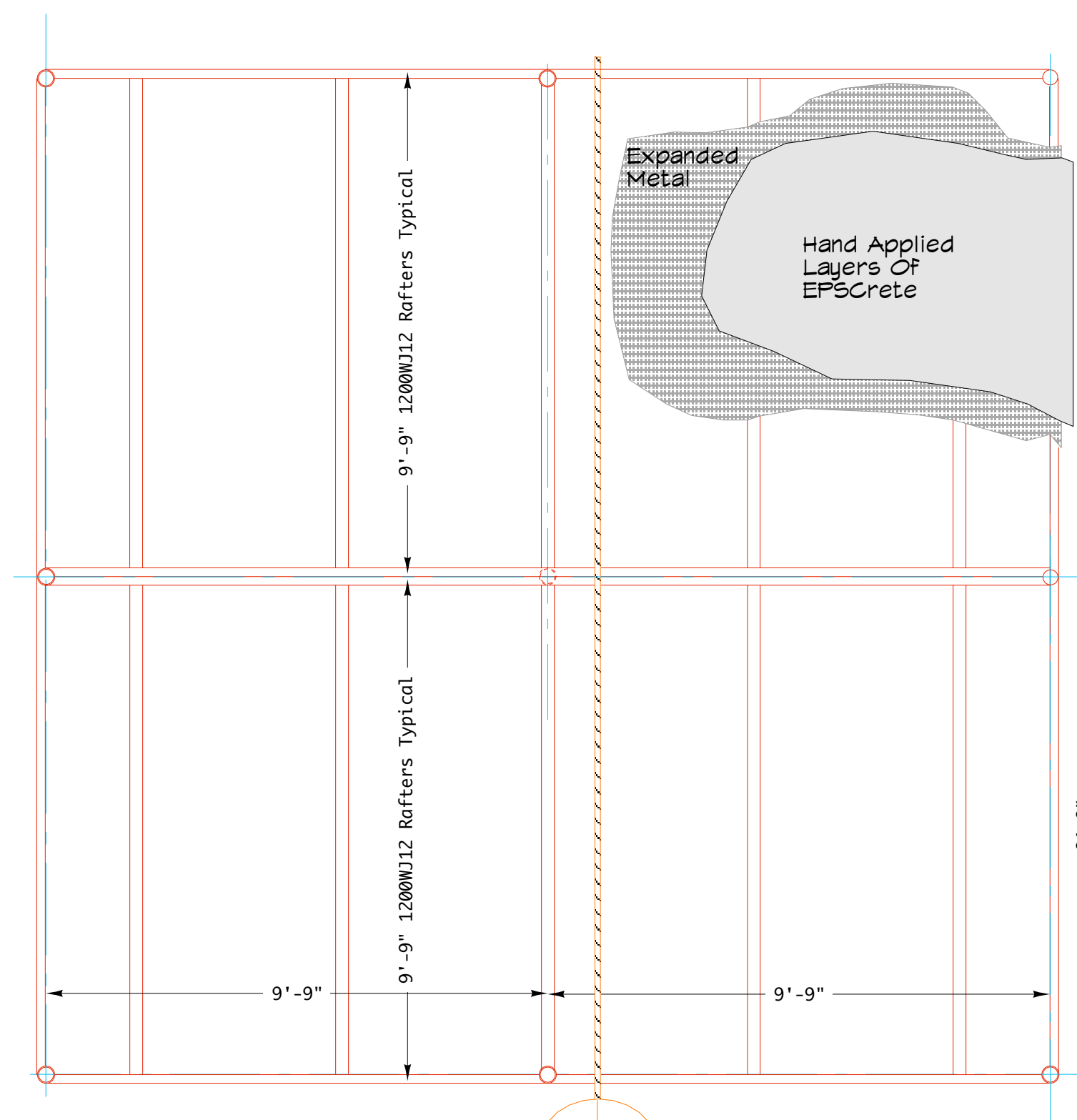
**Small Building Section SE-FCR1**  
 Scale: 1" = 8"



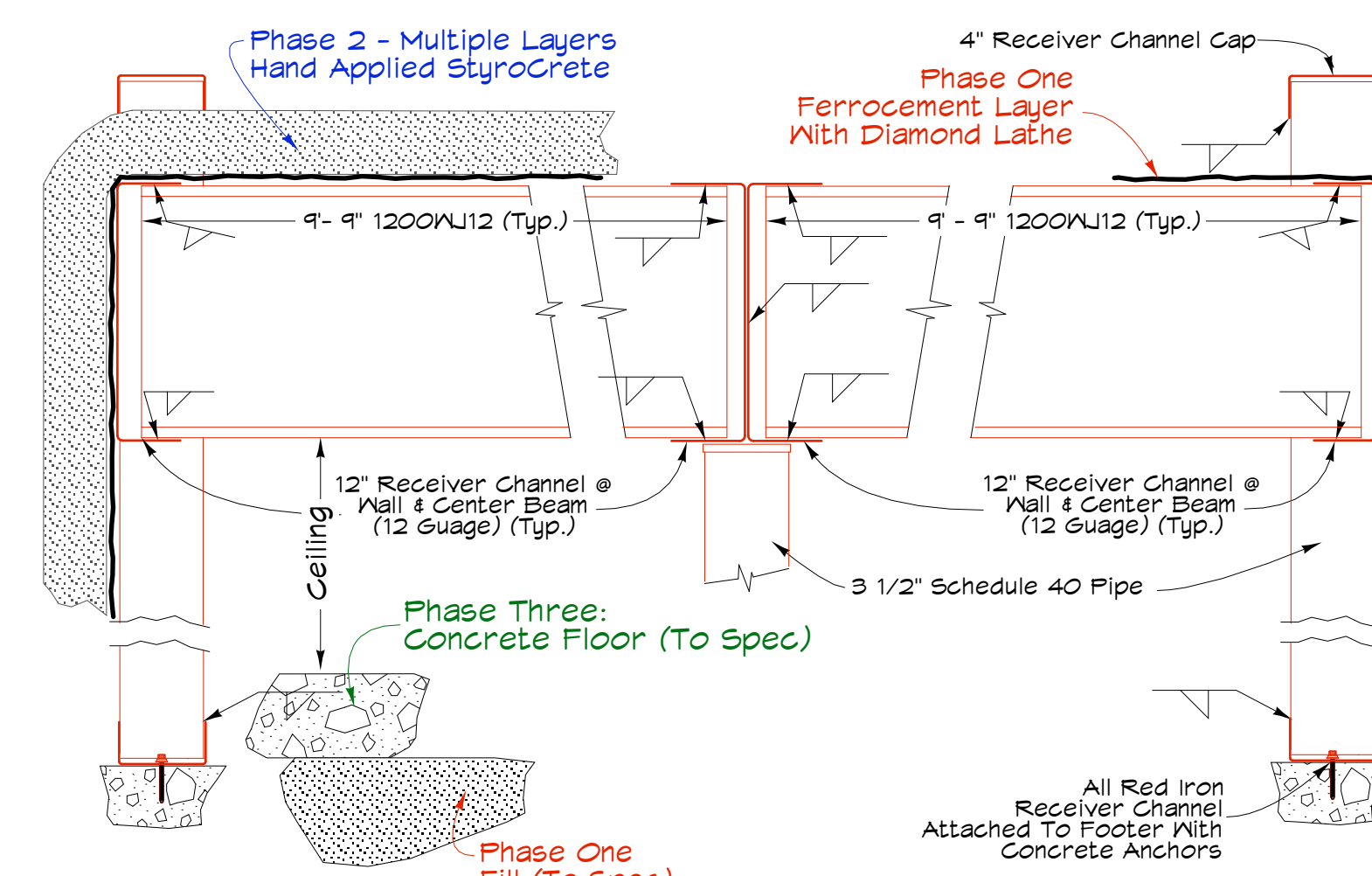
**Larger Foundation Plan**  
Scale: 1" = 32"



**Larger Floor Plan**  
Scale: 1" = 32"  
400 Sq ft



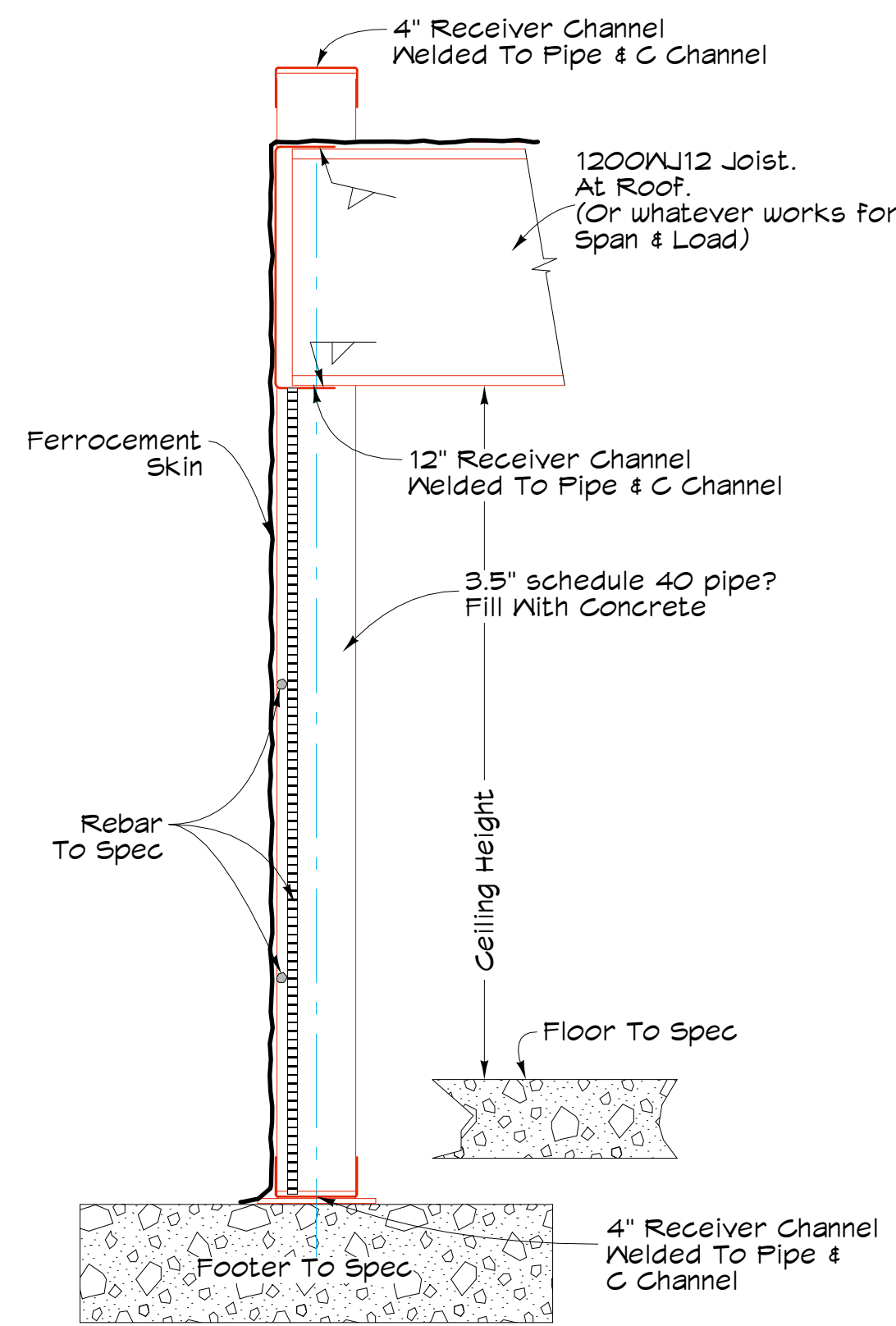
**Larger Roof Plan**  
Scale: 1" = 32"  
400 Sq ft



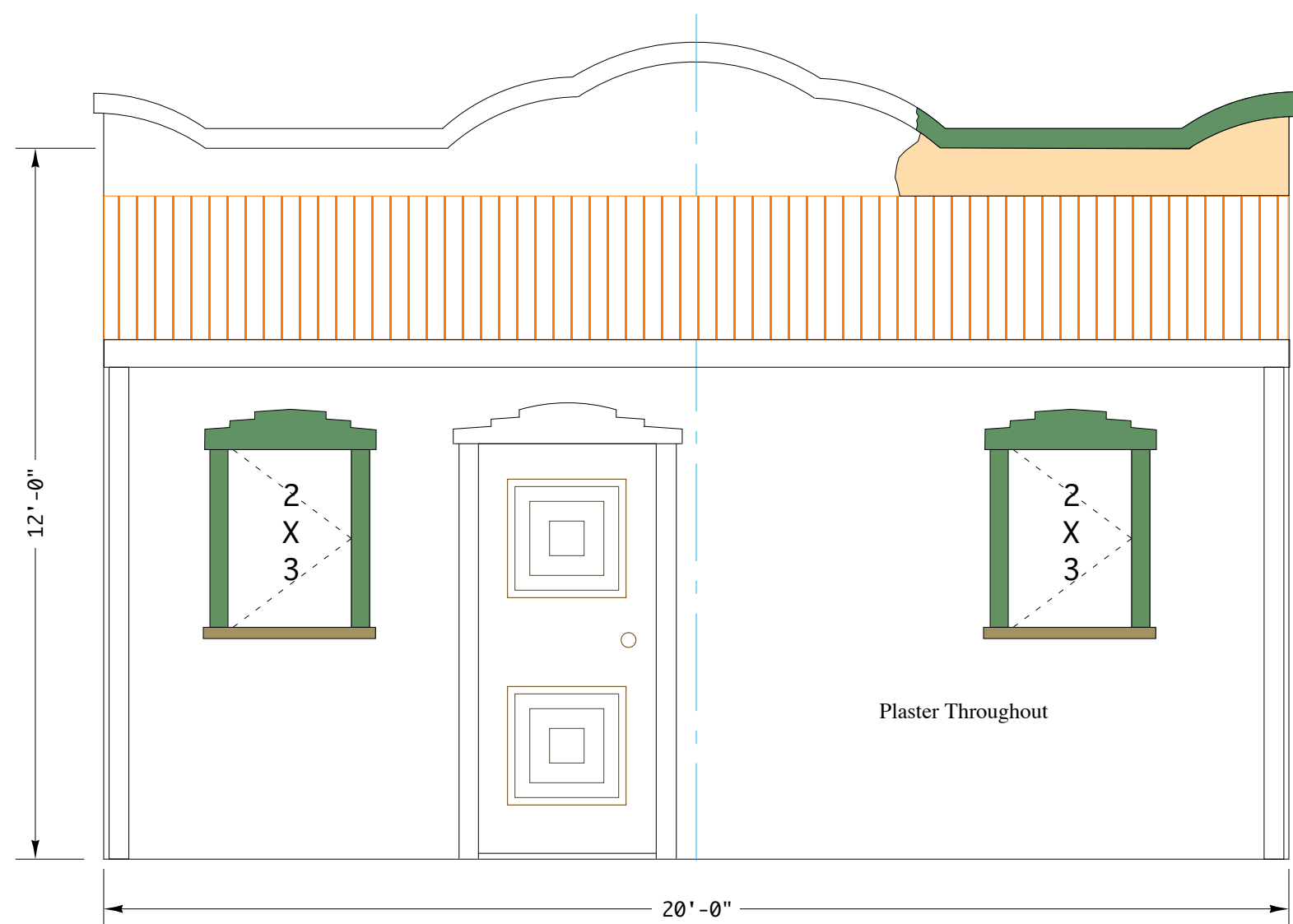
**Section SE-FCR2 Roof**  
Scale: 1" = 8"

**Notes:**

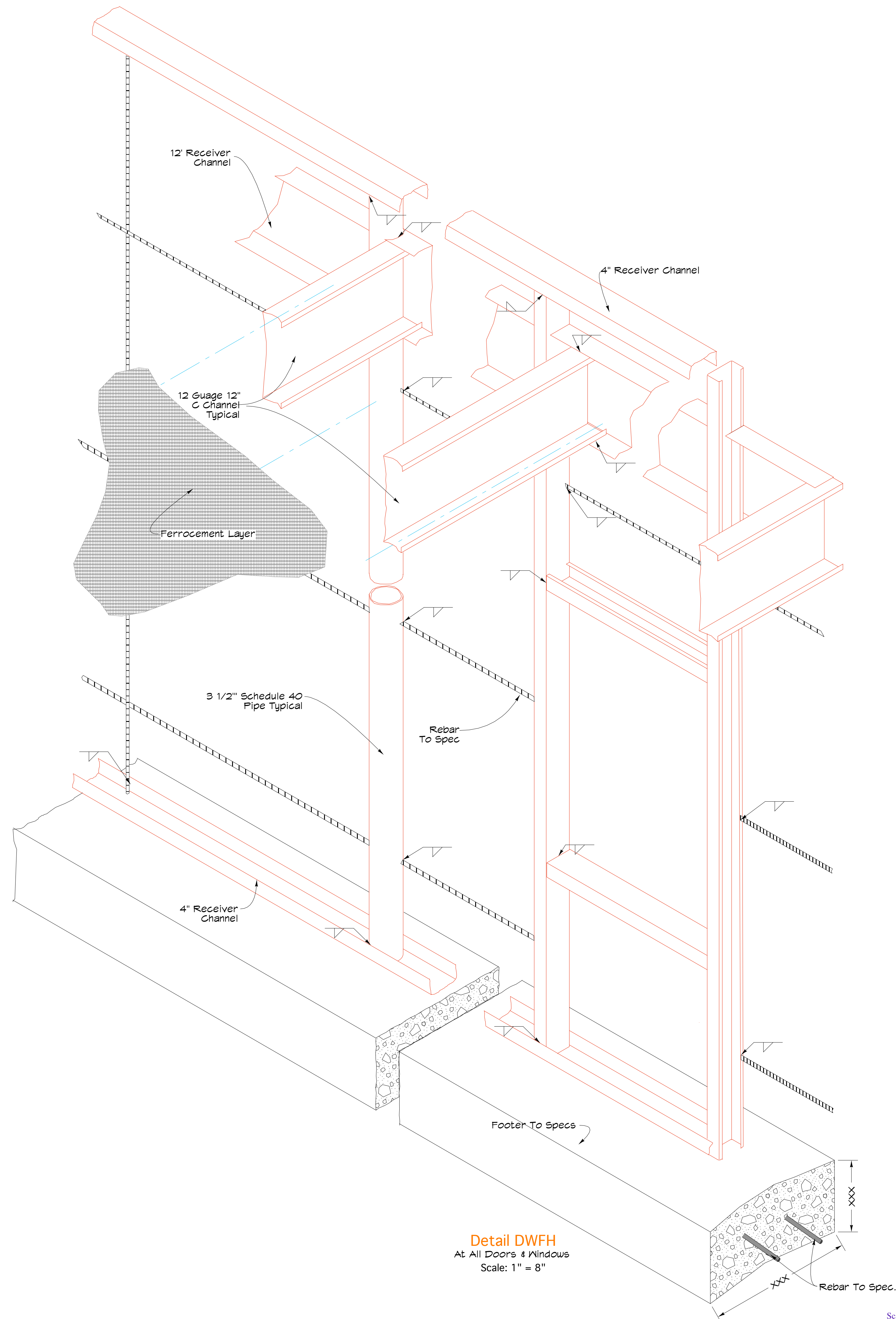
- Larger plan is drawn as a duplex. It could also be left open depending on the application.
- More than one module can be combined for larger structures.
- This plan calls for a steel frame erected on a foundation that will suit local soils, seismic conditions and weather potential.
- Steel frame may vary with location specific design load specifications.
- **Phase One** - Place footer, erect steel frame, FC exterior walls & roof. Can be over diamond lathe or whatever will work. If chicken wire will work it would be slightly less expensive. Phase One would give basic shelter. Quick, inexpensive and strong.
- **Phase Two** - Hand applied EPS Crete layers applied to the outside of the first phase FC layer on roof and walls for insulation. As many layers as is practical. Appropriate waterproofing layer over roof EPS-Crete.
- **Phase Three** - Enhance the comfort level. Add features that would enhance the performance of the home. Passive ventilation, water harvesting tanks, solar hot water, composting toilets, solar power for lighting, etc.



Typical Steel Frame With  
 Ferrocement Skin  
 Scale: 1" = 8"



**Elevation**  
 Drawn With Optional Porch Attached  
 Scale: 1" = 32"



**Detail DWG**  
 At All Doors & Windows  
 Scale: 1" = 8"