

# SFPUC | ALAMEDA CREEK RECAPTURE PROJECT

MAY 2015



Building Design & Construction

# EXECUTIVE SUMMARY

## **Building Location:**

The proposed Electrical Control Building is located in Sunol.

It will be situated between Pond F2 and Pond F3 East, south of the existing Sunol Pump Pipeline.

## **Project Objective:**

To provide a building enclosure for electrical equipment that is "contemporary" in design and responsive to the rural nature of the surrounding terrain.

Use of Prefabricated Building System in an effort to reduce design and building costs.

Use of Natural Daylighting through the use of translucent skylights to reduce energy usage on the north side of the roof to reduce heat gain.

Heat Island Effect (Use of roofing materials with recommended solar reflectance index)

Materials Reuse (Use of building materials with recycled content)

## **Building Solution:**

A 1,850 square foot facility located parallel to the access drive.

The plan will provide a formal front entrance with canopy and a second rear door for emergency exit.

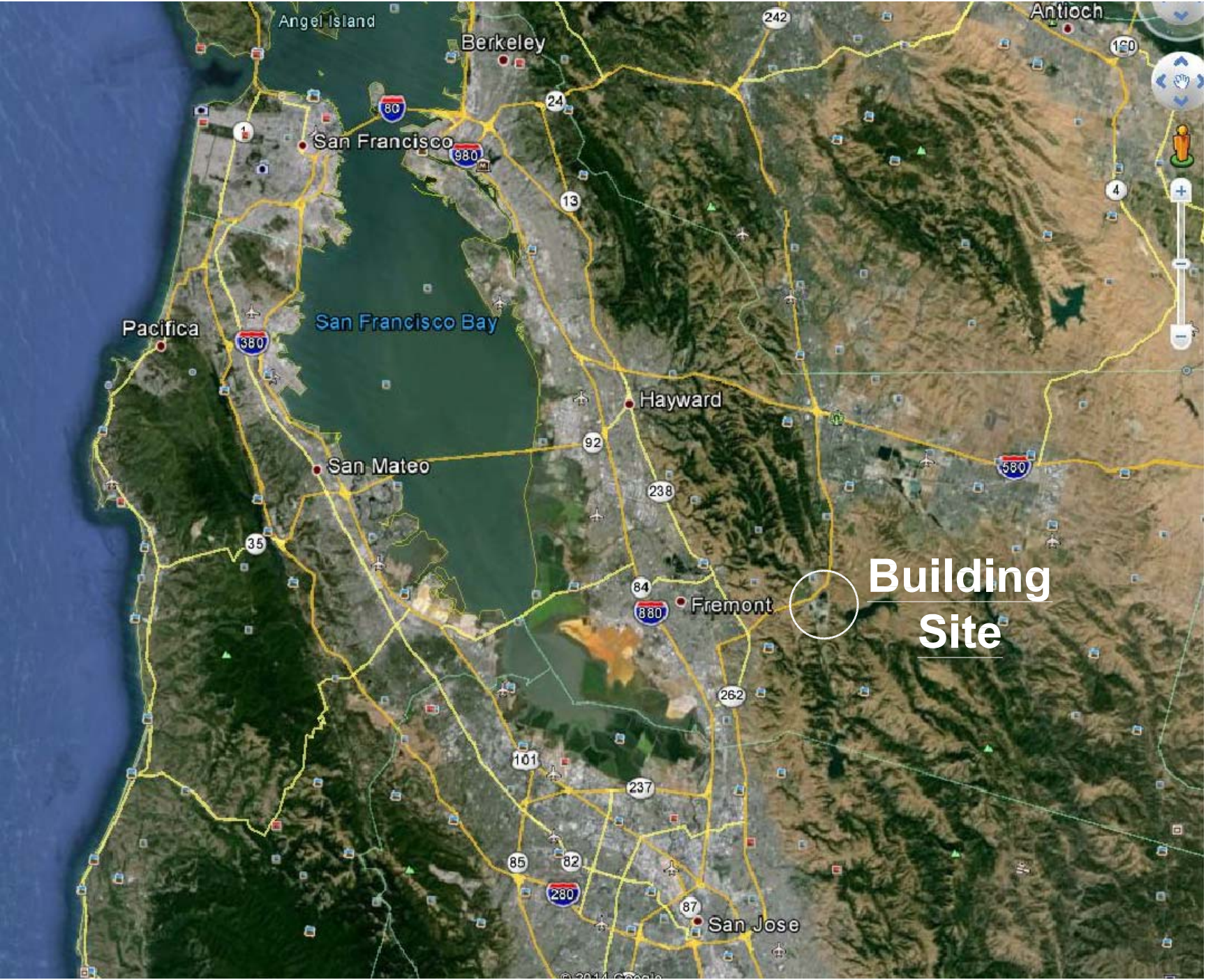
The design concept is to provide a building that fits in with the rural character of the site, but which is also contemporary in appearance employing sustainable building practices.

The proposed foot print is approximately 28' x 66' with a roof height that varies from 12'-0" above finished floor to 24'-0" to the peak of the roof.





# PROJECT SITE

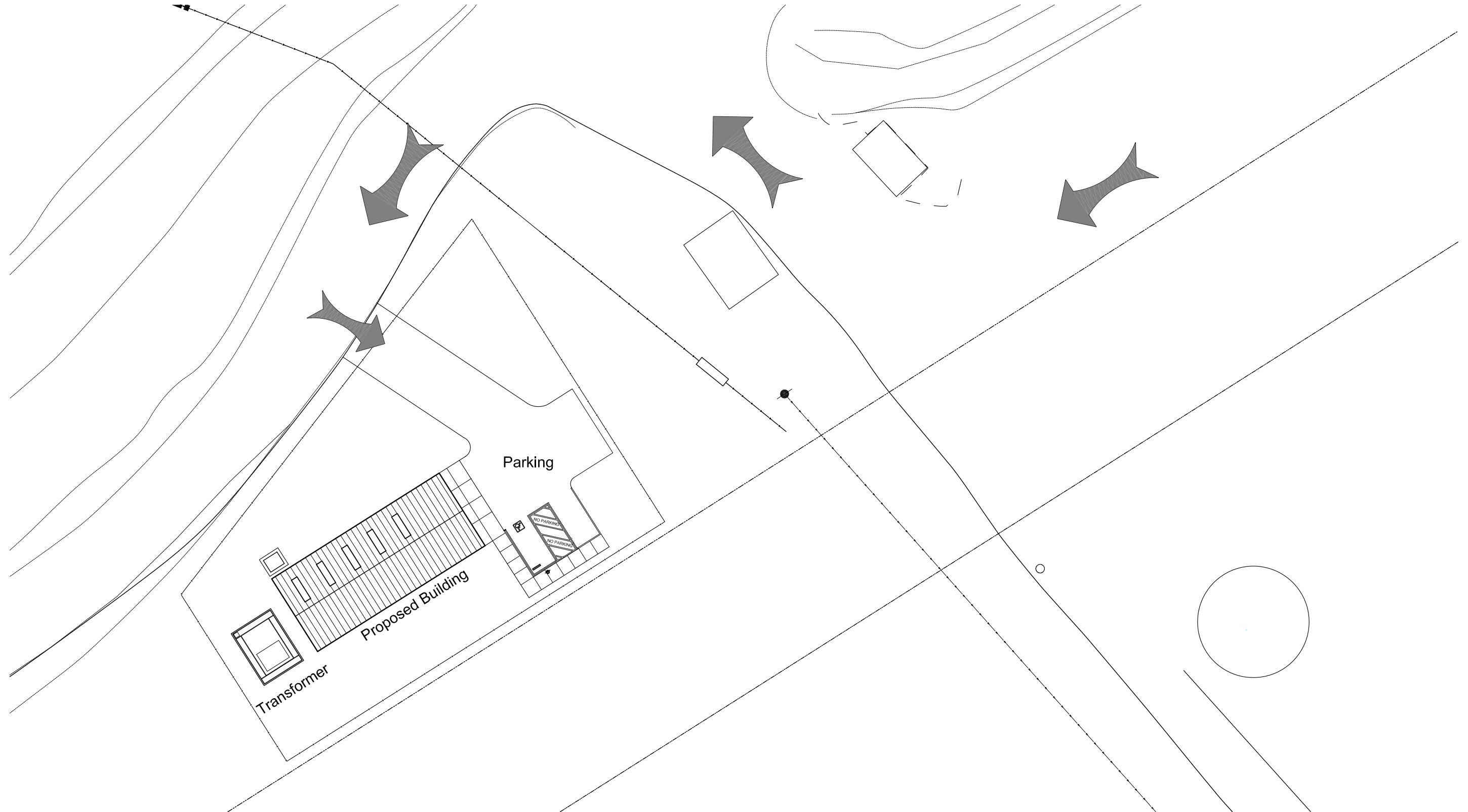




# SITE PLAN



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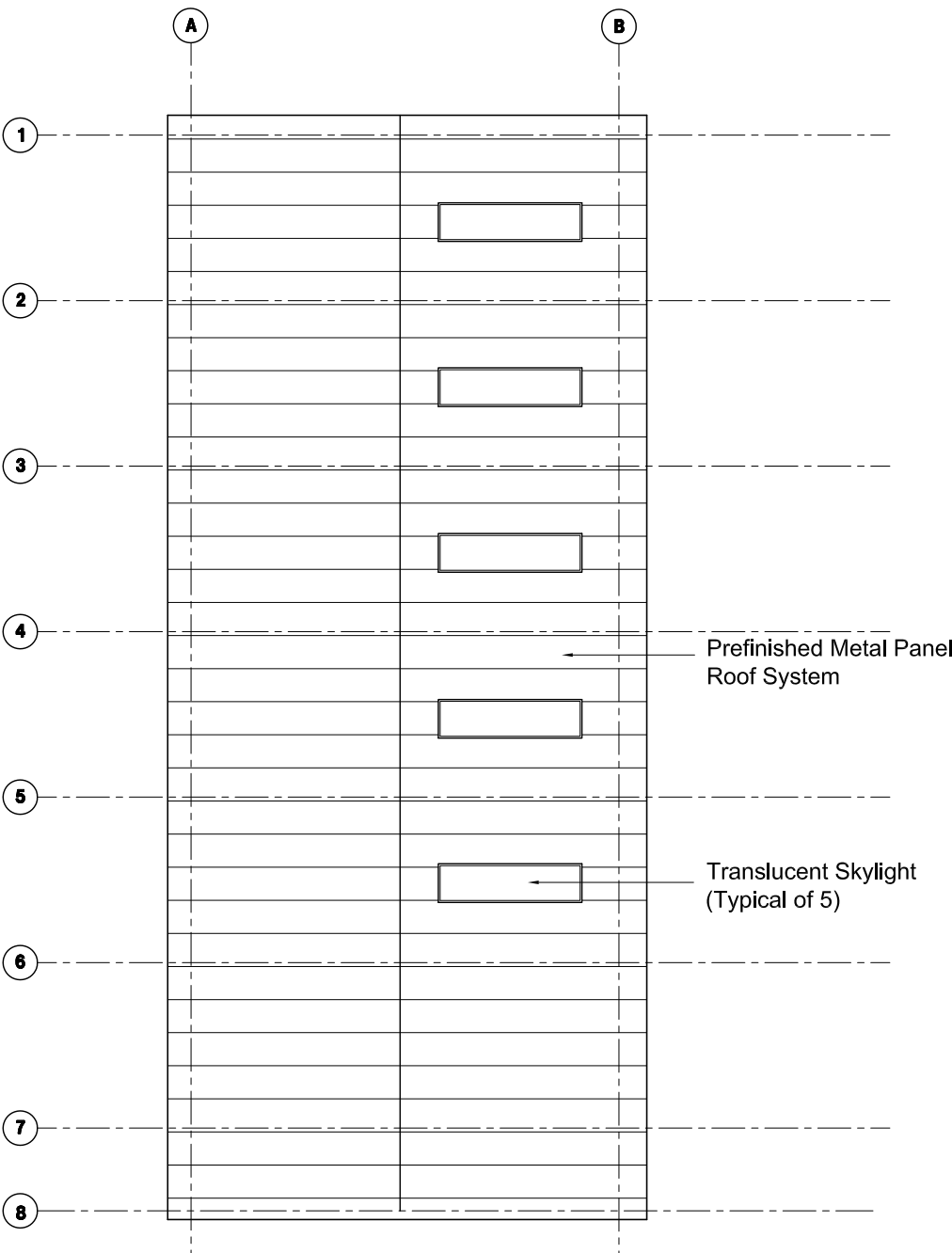
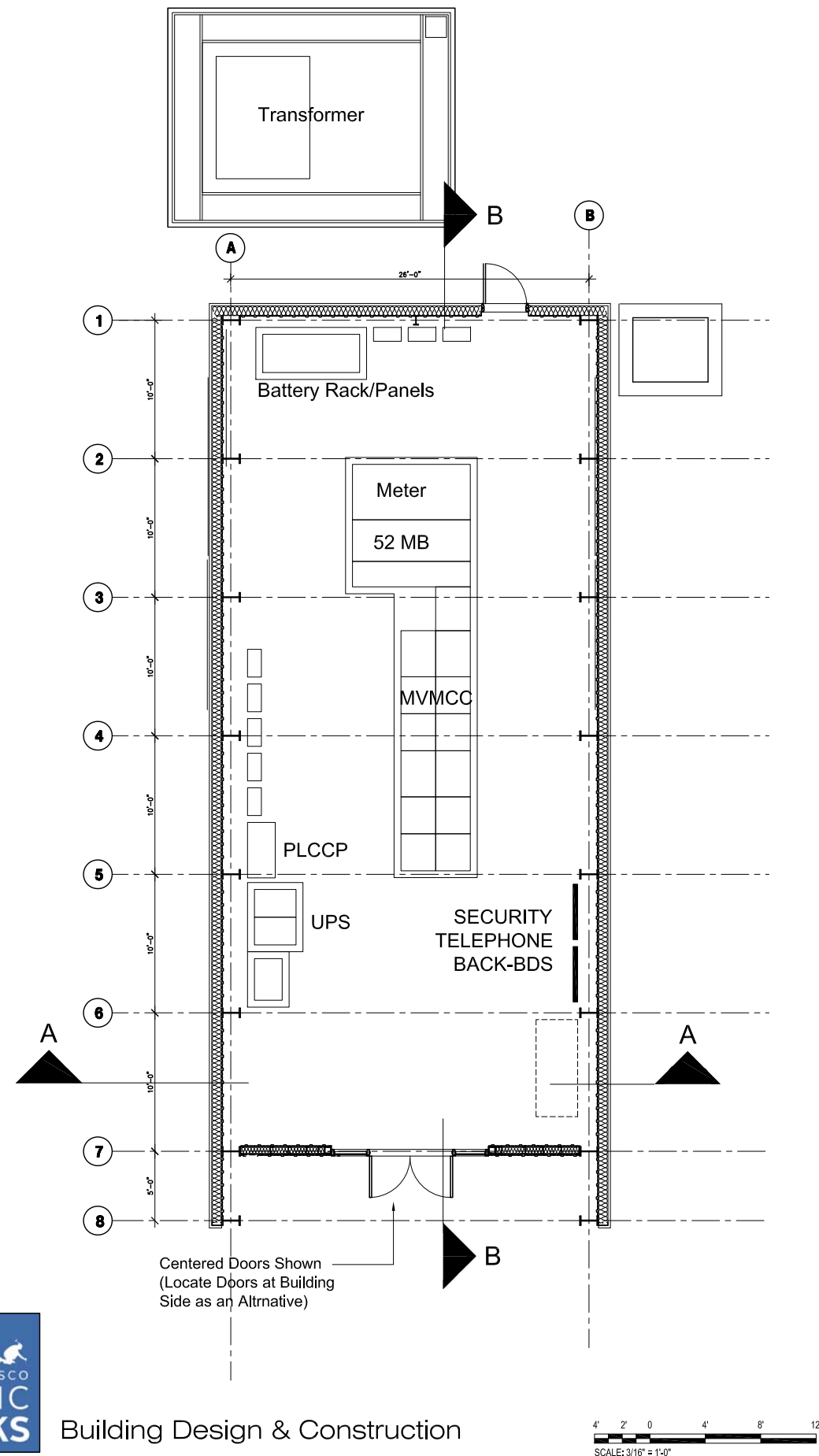
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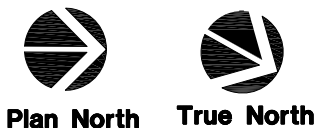
# SITE CONTEXT



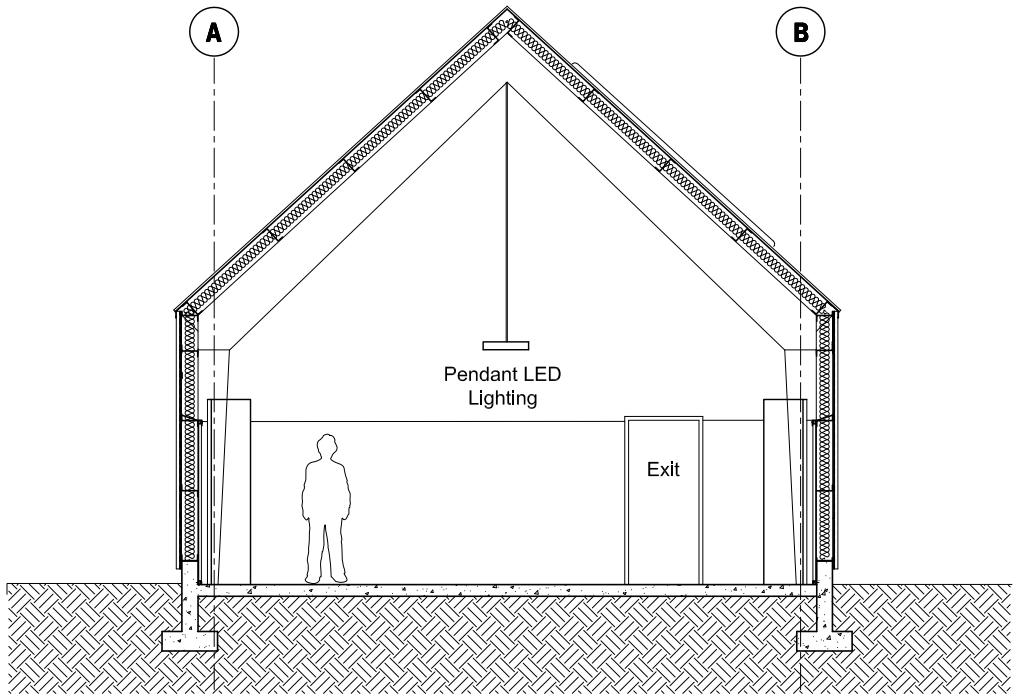
# FLOOR AND ROOF PLAN



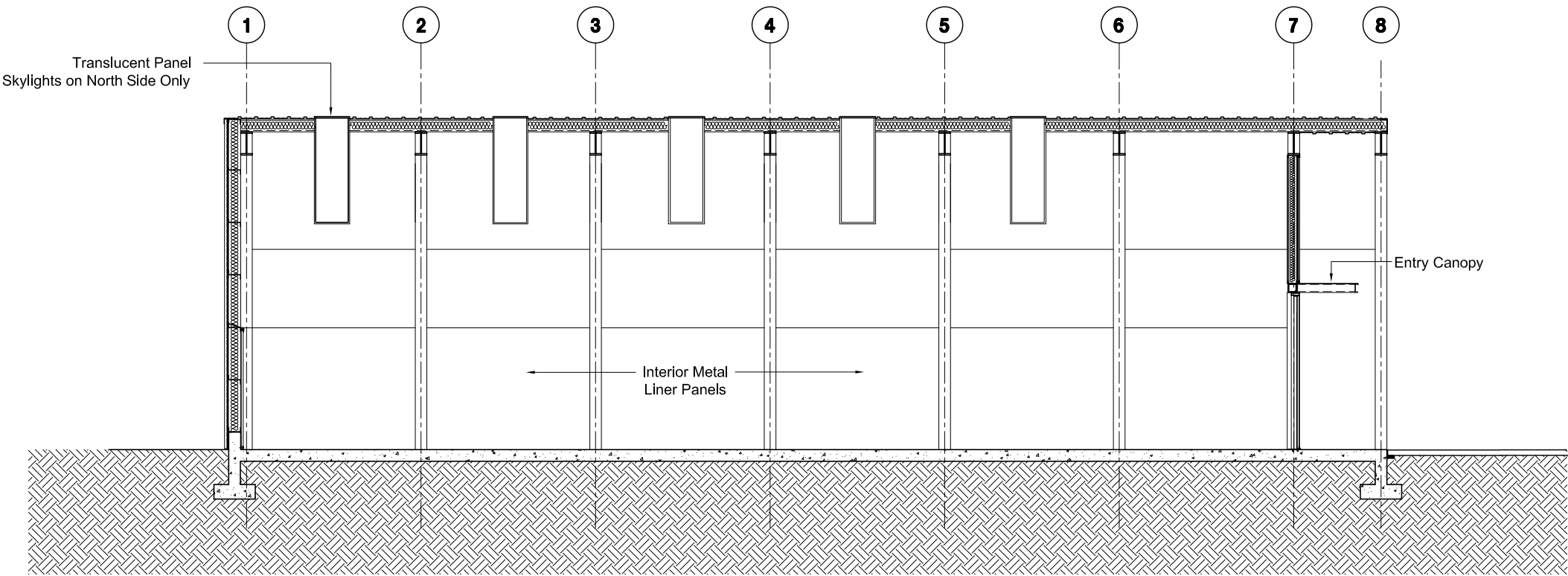
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SECTIONS



Transverse Section A-A

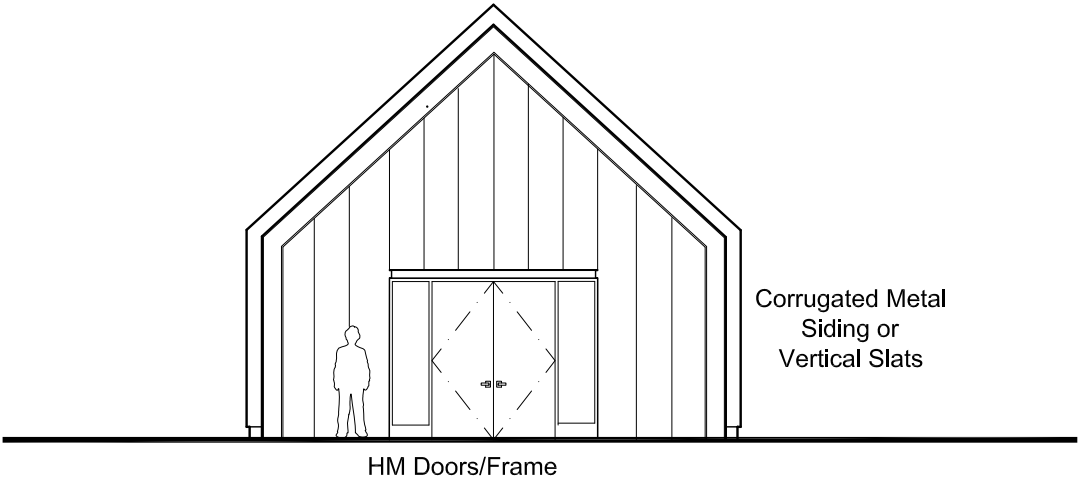


Logitudinal Section B-B

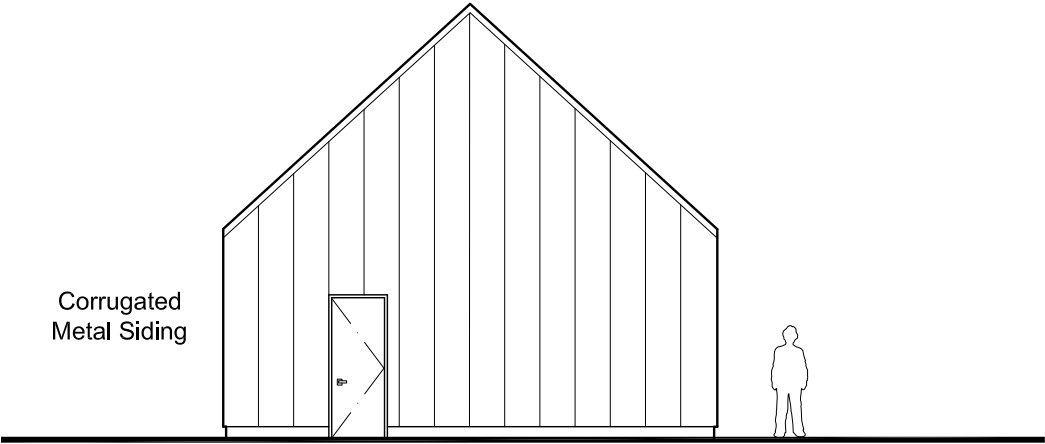




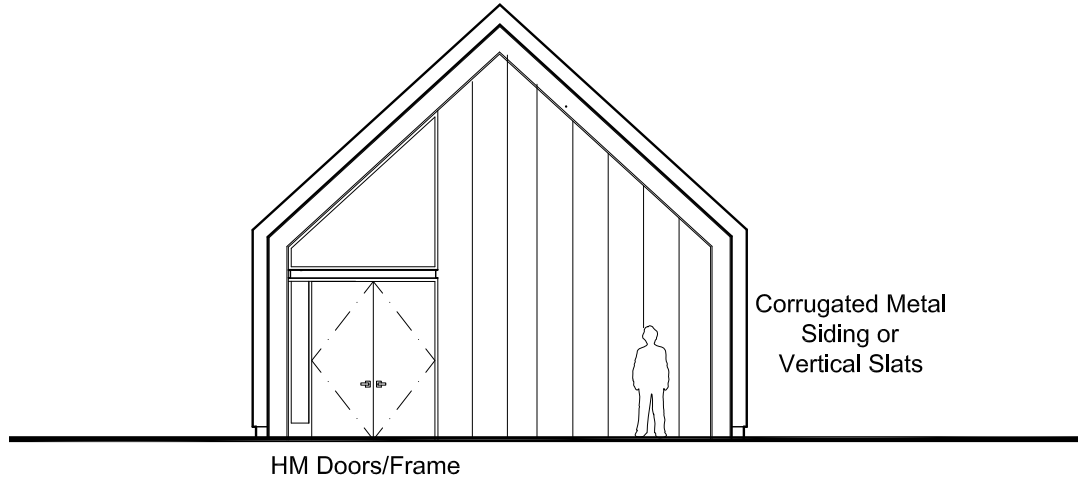
# RECOMMENDED DESIGN



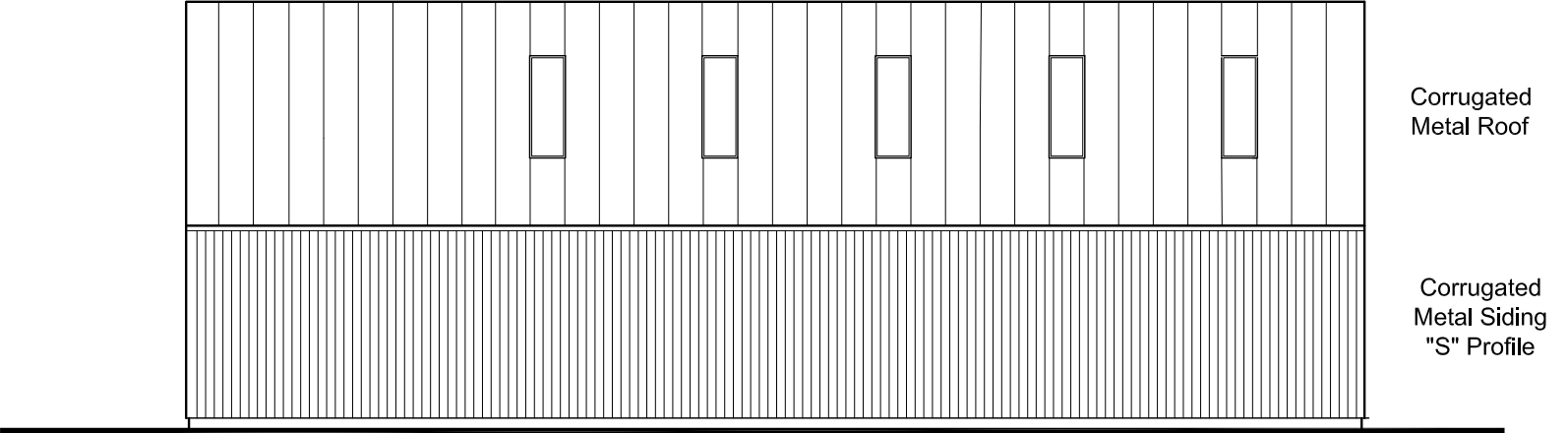
East Elavation  
(Alternative East Elevation)



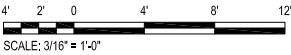
West Elevation



East Elavation



North Elevation

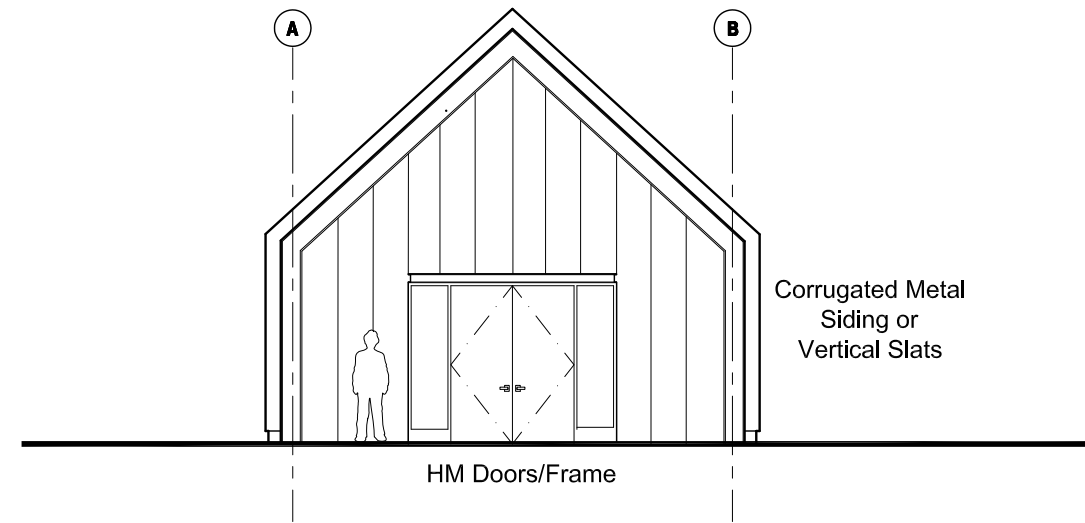




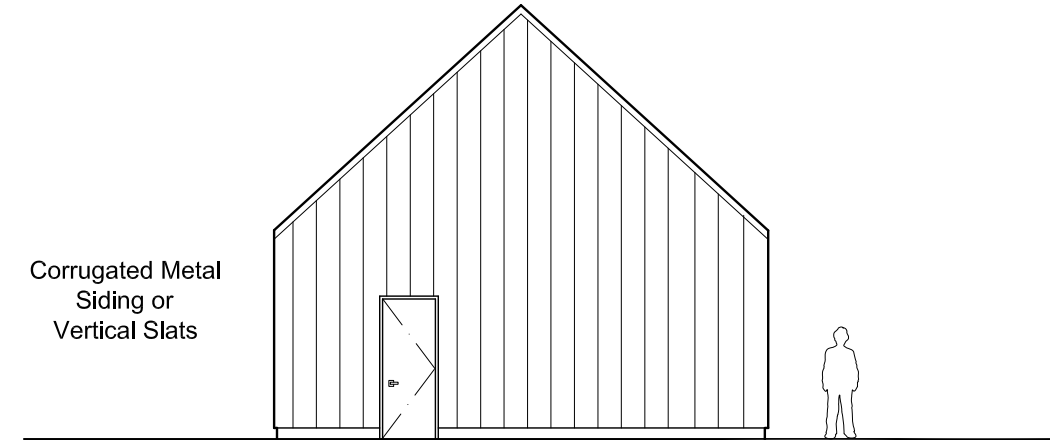
Perspective



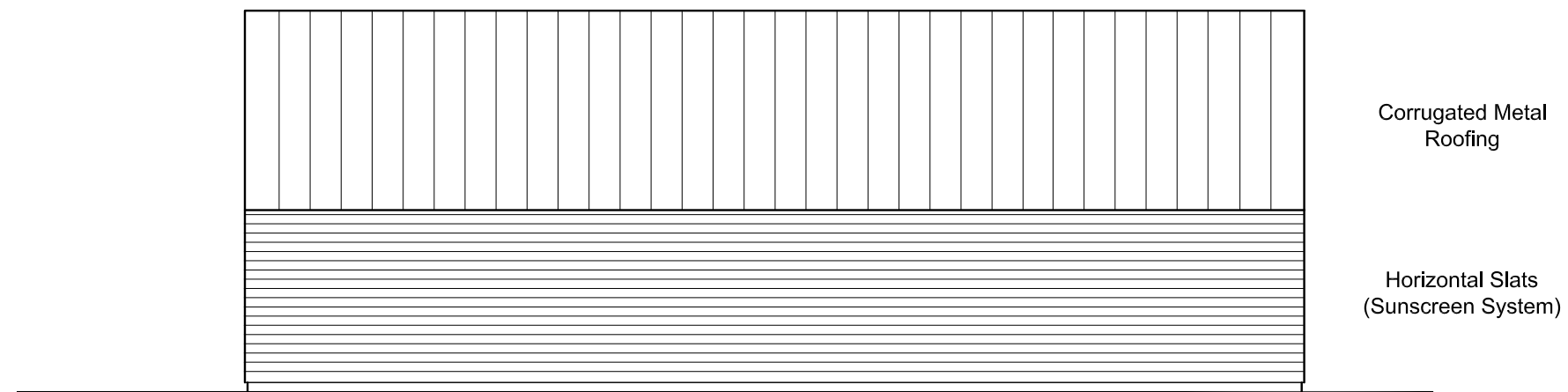
# ALTERNATIVE DESIGN



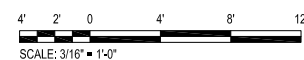
East Elavation



West Elevation



South Elevation





Perspectives



## PROPOSED FENCING AND CORRUGATED SIDING PANEL PROFILE

