MERTARVIK EVACUATION CENTER
NELSON ISLAND, ALASKA

Renderings, Architectural Drawings & Structural Drawings

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MERTARVIK EVACUATION CENTER
NELSON ISLAND, ALASKA

Progress Set. 4.17.12
Concept Plan of Gathering Space
scale: 1/8" = 1'-0"

- pantry
- bar seating
- galley kitchen
- refrigerators
- bench seating along exterior wall
- children’s artwork in band around perimeter of room
- moveable “farm tables” & benches for dining
- fireplace hearth – a place to gather
- sketch of fireplace

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Progress Set. 4.17.12
Concept Plan of Gathering Space
scale: 1/8" = 1'-0"
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Progress Set. 4.17.12
North Elevation
scale: 1/8" = 1'-0"

- ground mounted wind power generators
- photovoltaic array
- entry awning
- railing not shown for clarity
- large window for view to bay
- metal siding - colors taken from autumnal grasses
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photovoltaic array
10.46 Kw per row (20.92 Kw shown)

standing seam metal roof

ground mounted wind power generators

ground mounted wind power generators

entry awning

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NELSON ISLAND, ALASKA

Progress Set. 4.17.12
WEST ELEVATION
scale: 1/8" = 1'-0"

photovoltaic array
10.46 Kw per row (20.92 Kw shown)

entry awning

standing seam metal roof

metal siding - colors taken from autumnal grasses

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**Mertarvik Evacuation Center**

**Nelson Island, Alaska**

- **ground mounted wind power generators**
- **photovoltaic array**
- **metal siding - colors taken from autumnal grasses**
- **windows for daylighting in loft**
- **entry awning**
- **railing not shown for clarity**
MERTARVIK EVACUATION CENTER

PROGRESS PERMIT SET APRIL 18, 2012

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VICTORY MAP
The Mertarvik, Alaska Evacuation Center project involves the design and construction of a facility to house and provide assistance to individuals in need during periods of evacuation. Here are some key points from the document:

- The project is located on Nelson Island, Alaska, and is named Mertarvik Evacuation Center.
- The area for this project is 3,248 square feet.
- The project includes 57 occupants in Arctic Entry 5, with 123 square feet of space.
- One Code/Exiting Plan is shown, with 1/8" = 1'-0" scale.
- The project includes 57 occupants in Arctic Entry 5, with 123 square feet of space.
- The project includes a gathering space: assembly without fixed seats (unconcentrated) – 15 square feet.
- Clinic: Business Area – 100 square feet.
- Office: Business Area – 100 square feet.
- Mechanical: Mechanical Equipment Room – 300 square feet.
- Section 1004 – Occupant load with maximum floor area allowances per occupant:
  - Office – 100 square feet.
  - Mechanical – 57 occupants.
  - Gathering Space: Assembly Without Fixed Seats (Unconcentrated) – 15 square feet.
- Maximum travel distance = 200 feet, where 124 feet is provided.
- Table 1004.1.1 – Maximum Floor Area Allowances per Occupant:
  - Office – 100 square feet.
  - Mechanical – 57 occupants.
  - Gathering Space: Assembly Without Fixed Seats (Unconcentrated) – 15 square feet.
- Women (229 occupant load/2 = 115 women):
  - Bathrooms: 2 required, 3 provided.
  - Lavatories: 1 required, 2 provided.
- Men (229 occupant load/2 = 115 men):
  - Bathrooms: 2 required, 3 provided.
  - Lavatories: 1 required, 2 provided.
- Building is 1 story.
- This document is an instrument of service and can be extended only by written agreement with the owner.
- Still need resolution to this.
**Door and Window Types**

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<th>Type</th>
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NELSON ISLAND, ALASKA

4/18/2012 2:48:18 PM

A4.0

MERTARVIK EVACUATION CENTER

1/8" = 1'-0"
SIP PANEL

CONTINUOUS SEALANT, 3 SIDES, TYP.
SPLINE PREINSTALLED AS TONGUE USING 3" WIDE SECTION OF 7/16" OSB EACH FACE OF CORE, MATCH SIP OSB PROPERTIES.

1 1/2" SIP PANEL

1/8" GAP, TYP.

TYPICAL TONGUE AND GROOVE CONNECTION
8d NAILS OR 2 1/2" X 0.131" STAPLES @ 4" O.C. BOTH SIDES, TYP. ALL PANEL EDGES AND CONNECTIONS

INSTALL SEALANT BEADS BETWEEN PANELS PRIOR TO CONNECTION

EXISTING STRUCTURAL FLOOR
EXISTING STRUCTURAL COLUMN

SIPS WALL

2x SILL PLATE

SIPS FLOOR

PANEL SCREWS

RE: STRUCT.

FACTORY INSTALLED ELECT. CHASE

CONT. SEALANT AROUND CHASE

5/8" CONT. SEALANT

3/8" CONT. SEALANT

3/8" CONT. SEALANT

5/8" CONT. SEALANT

WINDOW OPENING

2x DOUBLE TOP PLATE

2x @ HEAD, JAMB, AND SILL IN SIPS PANEL

3" TONGUE AND GROOVE SIP SPLINE

SIPS WALL

8d NAILS OR 2 1/2" X 0.131" STAPLES @ 4" O.C. BOTH SIDES, TYP. ALL PANEL EDGES AND CONNECTIONS

BOTTOM PLATE

DOUBLE TOP PLATE

#6 SCREWS @ 12" O.C. STAGGERED

SIPS WALL

STANDARD INTERIOR WALL FRAMING

DOUBLE RIPPED 2x SPLINE

8D NAILS @ 4" O.C. EDGE NAILS, TYP.

SIP ROOF

CONTINUOUS SEALANT BETWEEN PANELS

BUTYL RUBBER ADHESIVE SEALING TAPE OVER RIDGE BY OTHERS

SCALE: NTS

ISOMETRIC PLAN

NOTE:
SIP TAPE OR EQUIVALENT VAPOR RETARDER ON INTERIOR PANEL JOINTS, REQUIRED FOR ROOFS (OPTIONAL FOR WALLS).