SITE: DEFINITION
PRIME CHARACTERISTICS FOR SITE SELECTION:

01  SAFETY
02  COMMUNITY / SOCIAL
03  WAYPOINT
04  VIEW / CONNECTION
05  MEMORY
SITE DEFINITION

MINAMI SANRIKU

> Japan
>> Honshu
>>> Miyagi Prefecture
>>>> Minami Sanriku
>>>>> Utatsu
>>>>>> Isotomai Area
>>>>>>>> SCHOOLYARD OVERLOOK
SCHOOLYARD OVERLOOK
(SITE D)
SCHOOLYARD OVERLOOK
(SITE D)
SITE : DEFINITION | EDGE CONDITIONS : SOUTH

Mitigation and adaptation measures are needed to protect communities and infrastructure from future natural disasters.

Analysis of the site conditions is essential for effective planning and design. This includes evaluating topography, soil conditions, and surrounding environmental factors.

3B / Transects through the Site

Inventory along Transect Site Analysis

Approximate Scale

SITE : DEFINITION | EDGE CONDITIONS : SOUTH

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3B / Transects through the Site

Inventory along Transect Site Analysis

Approximate Scale
**SITE: D | NORTH / SOUTH SECTION**

**SECTION A: NORTH / SOUTH LONGITUDINAL**

LOOING EAST

1. Japan-Rail Tunnel
2. Tsunami High Water / Debris Mark
3. Connecting Valley / Ravine (Beyond)
4. Demolished Residential Buildings
5. Slopes with Planted Cedar Forests
6. Scalable 30-45° Slopes
7. Demolished Commercial
8. Highway Bypass
9. Natural Embankment / Tsunami Barrier
10. Partial Failure of Natural Barrier (Dashed)
11. Concrete Drainage
12. Concrete Tsunami Barrier (6m)
13. Pacific Ocean

[Map and labels indicating various features and zones such as Debris Fields, 3/11 Tsunami High Mark, Building Damage Related, Water / Nature Related, Infrastructure Related.]
01 : SAFETY
SITE: DEFINITION

- ISOTOMAI

- NAMI

- ASH / DEBRIS AREA

- TSUNAMI WASH / DEBRIS AREA

- TSUNAMI HIGH WATER / DAMAGE AREA

SCHOOLYARD OVERLOOK (SITE D)
KEY CHARACTERISTICS

| 01: SAFETY |

- Building Damage Related
- Water / Nature Related
- Infrastructure Related

Debris Fields
3/11 Tsunami High Mark

SECTION A: NORTH / SOUTH LONGITUDINAL
LOOKING EAST

SAFETY ZONE

TSUNAMI HIGH WATER MARK

WASH & DEBRIS FOOTPRINT
NORMAL 5 MIN WALK (400M) FOR ADULT
NORMAL 5 MIN WALK (380M) FOR ELDERLY
02: COMMUNITY / SOCIAL
SITE : DEFINITION

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<td>Fire Station</td>
<td>Middle School</td>
<td>Playground / Sports Field</td>
<td>Pavilion</td>
<td>Pool</td>
<td>Gym</td>
<td>Elementary School</td>
<td>Temporary Housing</td>
<td>Sports Field</td>
<td>Garden</td>
<td>*Destroyed Disaster Center</td>
<td>Public Archive</td>
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SCHOOLYARD OVERLOOK
(SITE D)
GIVEN & MISSING

SITE FACTORS

VIEW / CONNECTION + MEMORY

SOCIAL / COMMUNITY

SAFETY + WAYPOINT

SOCIAL / COMMUNITY

SOCIAL / COMMUNITY

PROGRAMATIC CATEGORIES

Memorial & Spiritual

Collective & Gathering

Emergency

Public Access

Support & Services

Driven forces for the programatic relation

Are there any missing categories being more suggestive to specific architectural form of the community centre for post-diaster function?

What types of programs are they?
**ADDITION & SUBTRACTION**
Let’s re-engineer programmatic entities.

**SITE FACTORS**
- **VIEW / CONNECTION + MEMORY**
  - Memorial & Spiritual

**PROGRAMATIC CATEGORIES**
- **Collective & Gathering**
- **Emergency**
- **Public Access**
- **Support & Services**

**RE-ENGINEERED (POTENTIAL) PROGRAMS**
- Arbor
- Clinic
  - Day-care centre
- Disaster shelter
- Evacuation path
- Exhibition space
- Info. Centre
- Internet cafe
- Kindergarten
- Meeting room
- Overlook
- Outdoor garden
- Disaster archive
- Podium
- Public Bath
- Relief facilities
- Shops
- Workspaces

Our (Architects’) responses
<table>
<thead>
<tr>
<th>PRIORITY</th>
<th>FACTORS</th>
<th>VIEW / AWARENESS + MEMORY</th>
<th>SAFETY + CENTER + CONNECTION</th>
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<tr>
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<td>Sharing &amp; Open</td>
<td>Workspaces</td>
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<td>Meeting room</td>
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<td>Leisure</td>
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</table>
Description (i.e. slopes, vegetation zones vs. urbanized, etc.)

3B / Transects through the Site

Inventory along Transect Site Analysis

Approximate Scale

FUTURE COMMUNITY CENTER

Podium

Kindergarten

Day-care centre

Elderly-care centre

Sport Facilities

Outdoor garden

Outdoor garden

Outdoor garden

Outdoor garden

Outdoor garden

Sport Facilities

Sport Facilities

Sport Facilities

Relief facilities

Shops

Workspaces

Info. centre

Public bath

Arbor

MIT Japan 3/11 Design Workshop / Summer 2011
Miyagi University / Keio University
03 : WAYPOINT
04 : VIEW / CONNECTION
Description (i.e. slopes, vegetation zones vs. urbanized, etc.)

3B / Transects through the Site

Inventory along Transect Site Analysis

Approximate Scale

KEY CHARACTERISTICS

| 04 : VIEW / CONNECTION |

VIE \(\rightarrow\) CONNECTION

VIE \(\rightarrow\) TO OCEAN

VIEW FROM SCHOOL

VIEW TO OCEAN

FROM SCHOOL

VIEW FROM ENTRY ROAD

VIEW TO RUINS

Building Damage Related

3/11 Tsunami High Mark

Debris Fields

Infrastructure Related

Infrastructure Related

Water / Nature Related

SECTION A : NORTH / SOUTH LONGITUDINAL

LOOKING EAST

10 m

50 m
05 : MEMORY
Description (i.e. slopes, vegetation zones vs. urbanized, etc.)

3B / Transects through the Site

Inventory along Transect Site Analysis

Approximate Scale

KEY CHARACTERISTICS

| 05 : MEMORY |
SITE: SCHEMES
Description (i.e. slopes, vegetation zones vs. urbanized, etc.)

3B / Transects through the Site

Inventory along Transect Site Analysis

Approximate Scale

01: PAVILLION

02: BRIDGE / CANTILEVER

03: HABITABLE STAIRS

04: THICKENED WALL
01 BUILDING AS AN ESCAPE ROUTE
02 HABITABLE STAIRS
03 PROGRAM REAPPROPRIATION
04 HARNESSING EXISTING RESOURCES
05 A PLACE TO MOVE THROUGH, NOT A DESTINATION
06 IDENTITY / SEEING AND BEING SEEN
07 EMPHASIS ON MEMORY AND MOVING ON
08 GHOSTS OF THE CITY GRID – NEW LIFE FROM DISASTER
09 EAST FACING / RISING SUN