The Wall of Happiness

Urban Psychological Restoration Pavilion
Body, Space, Observation, and Environment
P5 Presentation
Studio Border Conditions
Nasimsadat Razavian
Research
Theory - Psychological Restoration
Observing natural elements

Homo Ludens - Man the player
Design
Material
Construction and Detailing
\( \beta = 8.05 \, \text{kg/m}^2 \)

\( \sigma = 80.5 \times 10^3 \, \text{N/m}^2 \)

\( A_s = \frac{11.4 \times 10^2 \, \text{mm}^2}{12.5 \times 10^2 \, \text{mm}^2} = 0.95 \, \text{mm}^2 \)

\( z_1 = 80.5 \times 10^{-3} \times 706.82 = 5.67 \times 10^{-1} \)

\( F_{uy} = 5.67 \times 10^{-1} \times 100 = 0.567 \, \text{N} \)

\( F_{uy} = 0.0113 \times 1.2 = 0.014 \, \text{N} \)

Have used S460 with \( f_{nu} = 480 \, \text{N/mm}^2 \)

\( \beta = 800 \, \text{N/mm}^2 \)

\( f_{ud} = \frac{480}{1.2} = 468 \, \text{N/mm}^2 \)

Strength walls: \( f_{uw} = \frac{f_{u}}{\beta \times 15} = \frac{480}{1.05 \times 15} = 22.3 \, \text{N/mm}^2 \)
Structure for the floors: hot-dip galvanized ribbed wiremesh- 50x50- 10D

Wall: hot-dip galvanized ribbed wiremesh- 50x50- 10D

Wall: hot-dip galvanized ribbed wiremesh- 200x200- 30D

Structure for the floors: hot-dip galvanized ribbed steel rods, placed every 1.2 meters, 30D.

Beam: hot-dip galvanized ribbed steel rod- 50 D.

Beam: hot-dip galvanized ribbed steel rod- 50 D- placed every 0.3 meters

Wall: hot-dip galvanized ribbed wiremesh- 50x50- 10D

Wall: hot-dip galvanized ribbed wiremesh- 200x200- 30D

Structure for the floors: hot-dip galvanized ribbed steel rods, placed every 1.2 meters- 30D

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Beam: hot-dip galvanized ribbed steel rod- 50 D- placed every 0.3 meters

*All the elements are coated with gray powder coating.
Assemblage