



Engineered Structural Mesh

Tree Island Steel produces Engineered Structural Mesh (ESM) for concrete reinforcement for the construction and pre-cast industries. Our customized reinforcing solutions will save installation time by eliminating the need to tie rebar lengths, while meeting all building code requirements.

Applications for Engineered Structural Mesh include: precast wall panels, bridge girders (top mesh, web mesh, bulb mesh, duct mesh), utility vaults, box culverts, stadium bleachers, median barriers, double-tee leg girders, retaining walls and more.

Tree Island Steel's ESM is made to ASTM A1064 specifications.

- Available in grade 70 (70 ksi/480 MPa) – other grades available upon request
- Sheet widths range from 2' to 12' and in lengths up to 42'
- Produced using either smooth or deformed wire
- Wire sizes:
 - 0.171" (W2.3) to 0.500" (W20)
 - 4.4 mm (MW14.9) to 12.8 mm (MW129)
- Variable longitudinal wire diameters
- Variable longitudinal and transverse spacings
- Bending of sheets available upon request

AVAILABLE IN:

Grade 80 (80 ksi/550 MPa) – other grades available upon request

SIZES:

Sheet widths range from 2' to 12' and in lengths up to 42'

CATEGORY:

Engineered Structural Mesh