Double TTs

• Spans up to 60 feet providing open areas below

• Easy handling allows large areas to be installed quickly

• Works well with total precast structures
Double TTs

• Provides a clean and finished underside appearance

• Applications:
  - Floors
  - Roofs
  - Parking structures
Double TT Section

Clear spans up to 60'
Clean Solid Appearance

Common Uses:
Sewage and Water Treatment Plants
Parking Structures
Food Processing Facilities
High Moisture Structures
Double TT Plan

Plan View
Double TT Details

RECESS IN DECK LIFTING HOOKS, TO FILLED ON SITE
CAST IN BEARING PLATE ASSEMBLY

DOUBLE TT

BEARING PADS
SUPPORT PLATE c/w NELSON STUDS AND GROUTED INTO BEARING WALL BY OTHERS

CAST IN CONNECTION PLATE
CAST IN BEARING PLATE ASSEMBLY

DOUBLE TEE

BEARING PADS
PRECAST T-BEAM

WALL CONNECTION PLATE ASSEMBLY BY OTHERS

CAST IN CONNECTION PLATE ASSEMBLY

DOUBLE TT

CAST IN CONNECTION PLATE ASSEMBLY

SECTION

CONNECTION PLATE
WING BAR

PLAN VIEW

CAST IN CONNECTION PLATE ASSEMBLY

SIDE CONNECTION

SIDE TO SIDE CONNECTION
Double TT’s Specifications

1. General:
   a. Included:
      i. Precast Double TT’s floor and roof slabs.
      ii. Rebar connections.
      iii. Connection of slab joints.

2. Reference Material:
   a. CSA A23.4-09: Precast Concrete Material & Construction.
   b. Precast Concrete Institute (PCI): Manual on Design of Connections for Precast.

3. Shop Drawings:
   a. Approval drawings will require a review by the Contractor & Design Firms under contract of each project. Discrepancies, questions & verification of design is required and returned in writing prior to commencement of production.
   b. Production drawings will bear a signed and sealed Engineer stamp, slab locations, identification marks, connection details, dimensions, openings larger than 6” in size, loadings and other relative information.

4. Quality Assurance:

5. Accessories:
   a. Bearing pads: Neoprene or plastic material cut or moulded to suit application.

6. Finishes:
   a. Top surface:
      i. Troweled or floated finish.
      ii. Raked (roughened surface to allow improved bond with concrete topping supplied by others).
   b. Bottom surface:
      i. “Standard” steel form finish.

7. Installation:
   a. Install slabs with corresponding identification mark as indicated on production / shop drawing.
   b. Place bearing pads.
   c. Connections to wall as per production / shop drawings.
   d. Bolted or welded connections between units as per production / shop drawings.
   e. Drill holes for plumbing trade (located in field by others). Do not cut strand unless engineered in the design.
   f. Latex caulking of joints between precast slabs on the underside where exposed to view.
   g. Floor preparation will vary depending on final flooring material and finish.

8. Excluded items related to precast and installation:
   a. Drypacking / infill of gap between precast and structure.
   b. Perimeter caulking between precast and structure.
   c. Drilling of holes for electrical trade.
   d. Winter heat / protection from weather conditions.
   e. Concrete topping if required in design.
   f. Clip angles around column penetrations through precast.
   g. Site / field dimensions (Contractor and Project Designers responsible to provide information during shop drawing approval).