



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





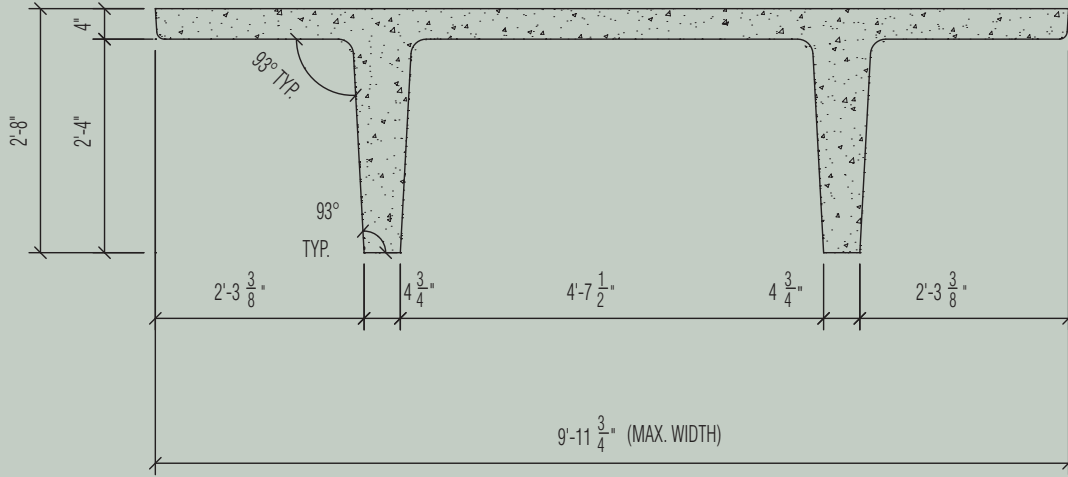
Double TTs

- Provides a clean and finished underside appearance
- Applications:
 - Floors
 - Roofs
 - Parking structures





Double TT Section

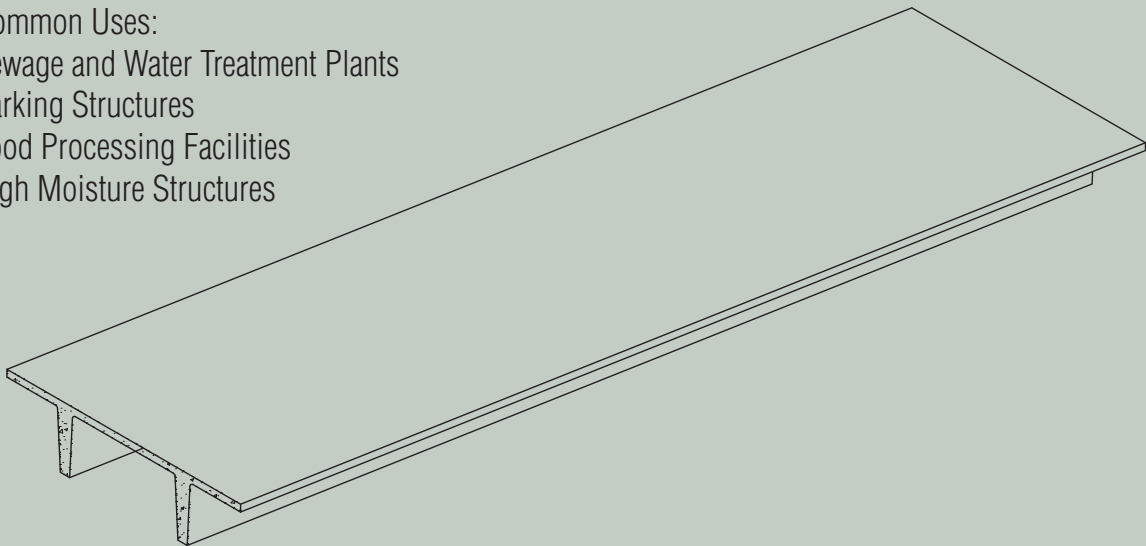


TT

Cross Section

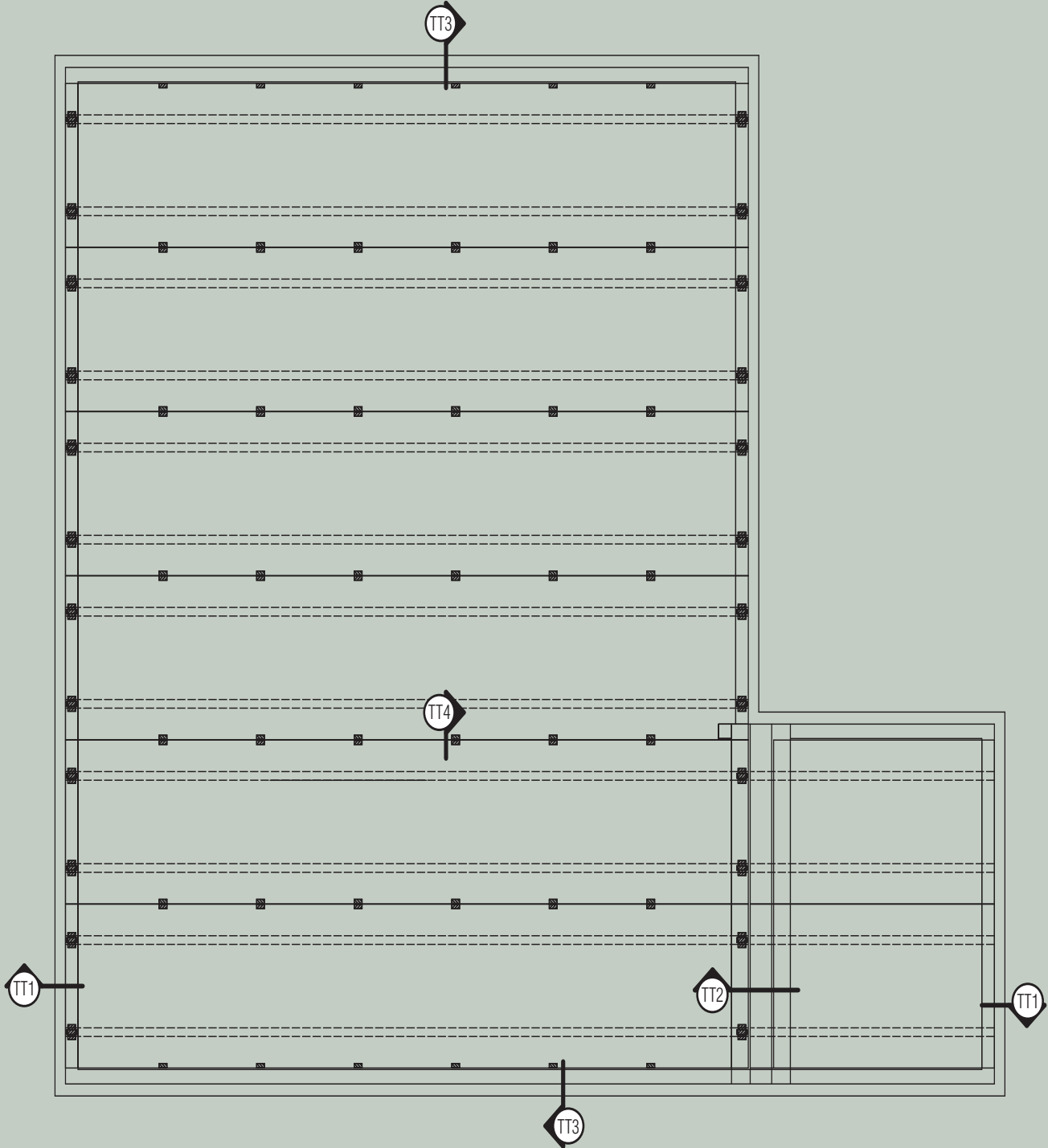
Clear spans up to 60'
Clean Solid Appearance

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

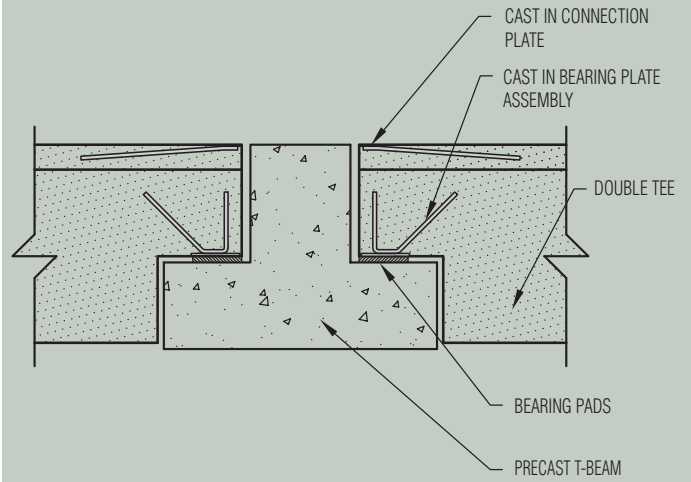
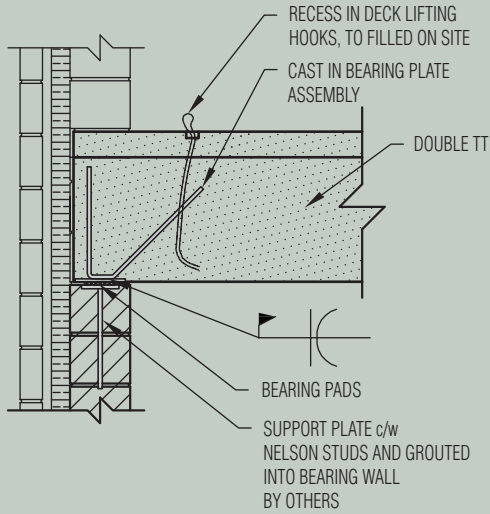


TT

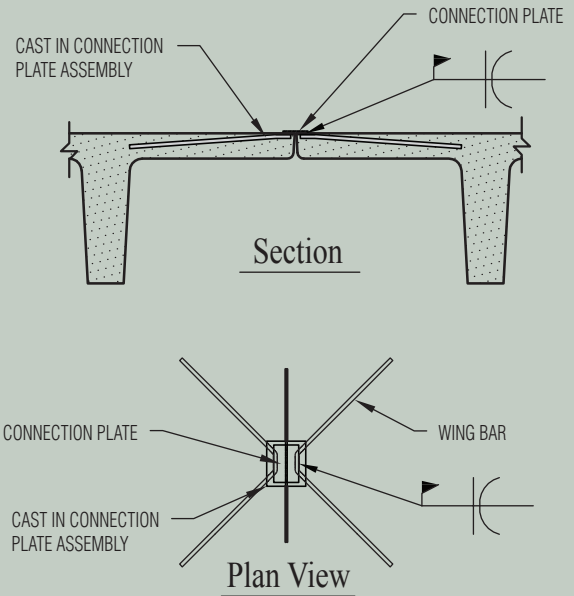
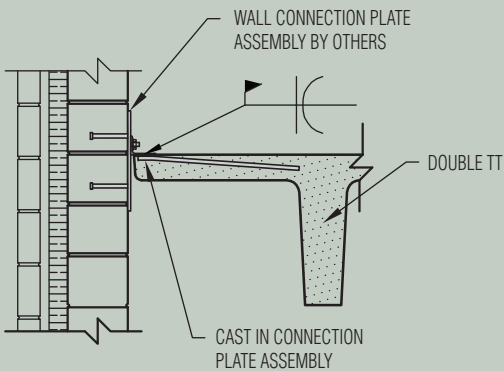
Isometric View



Double TT Details



TT1 End Connection **TT2** End To End On Precast Beam



TT3 Side Connection **TT4** 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.
- c. Precast Concrete Institute (PCI): Design Handbook – Precast & Prestressed Concrete.

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:

- a. Conformity to PCI manual on design of connection for Precast Prestressed Concrete, PCI Design Handbook – Precast & Prestressed Concrete, CSA A23.4.

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).