

FHWA REGION NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN	HARTFORD	TEA-PEDS(40)	63-529	1999	-	50	58

GENERAL NOTES:**SPECIFICATIONS:**

The Connecticut Department of Transportation Form 815 (1995), (including supplements Dated July, 1999) and Special Provisions.

DESIGN SPECIFICATIONS:

Standard Specifications for Highway Bridges (AASHTO - 1996), with Interim Specifications up to and including 1997, as supplemented by the Connecticut Department of Transportation Bridge Manual (1997) with revisions.

ALLOWABLE DESIGN STRESSES:

Class 'F' based on $f'c = 28 \text{ MPa}$.
Reinforcement: (ASTM A615, Grade 420) $f_y = 414 \text{ MPa}$.

CLASS 'F' CONCRETE:

Class 'F' Concrete shall be used for the entire structure.

EXPOSED EDGES:

Exposed edges of concrete shall be beveled 25 mm x 25 mm, unless otherwise shown.

REINFORCEMENT:

Bar reinforcement shall be ASTM A615, Grade 420. All reinforcement shall be coated and included in the Pay Item for "Deformed Steel Bars (Epoxy Coated)".

CONSTRUCTION JOINTS:

Construction Joints, other than those shown on the plans, will not be permitted without the prior approval of the Engineer.

DECIMAL DIMENSIONS:

When dimensions are given to less than three decimal places, the omitted digits are assumed to be zeros.

EXISTING DIMENSIONS:

Dimensions and Angles to existing structures shown on these plans are for general reference only. They have been taken from an as-built survey of the Fleet Building and are not guaranteed.

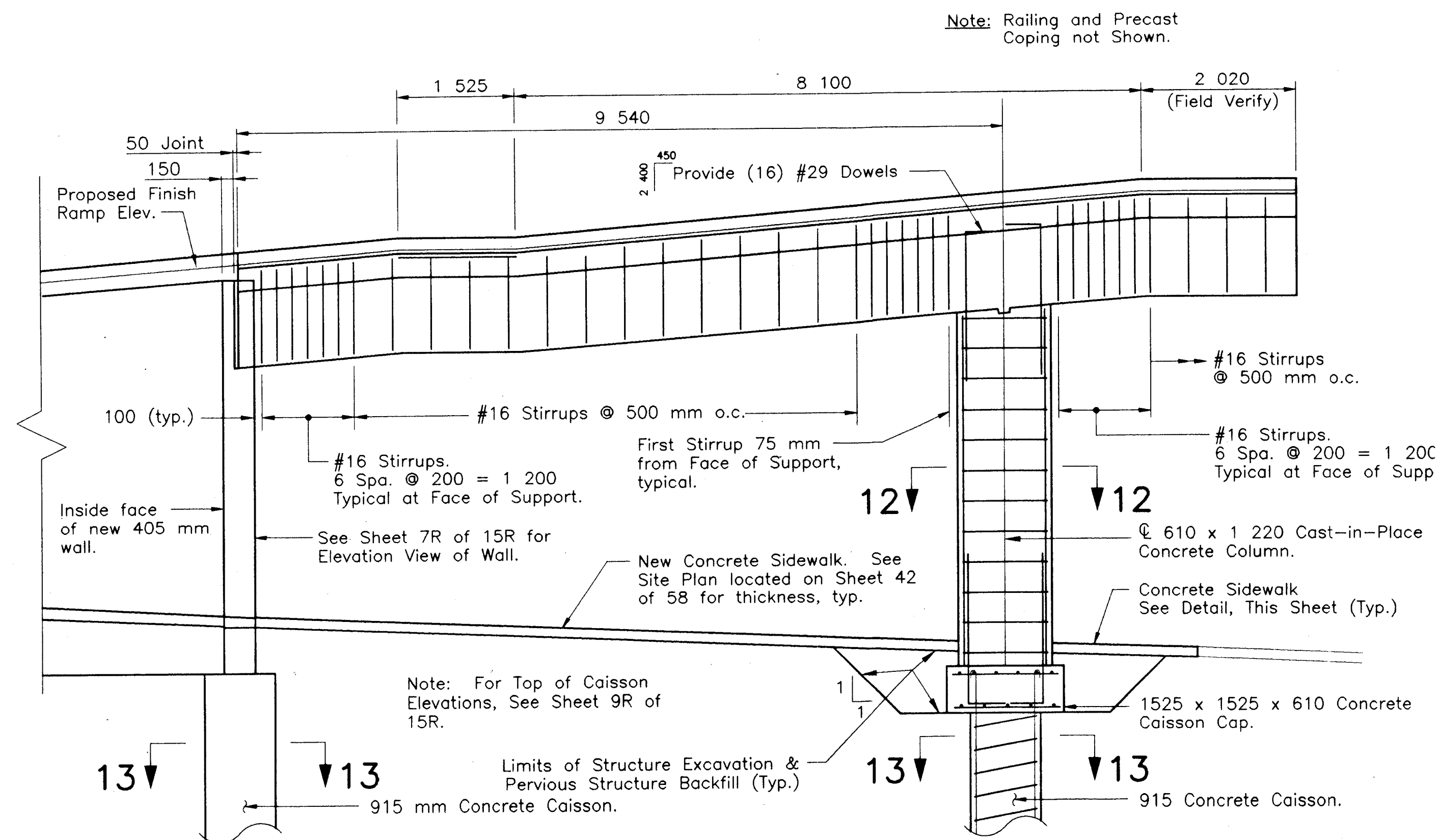
The Contractor shall take all field measurements necessary to assure proper fit of the work and shall assume full responsibility for their accuracy. When shop drawings based on field measurements are submitted for approval, the field measurements shall also be submitted for reference.

STRUCTURAL QUANTITIES

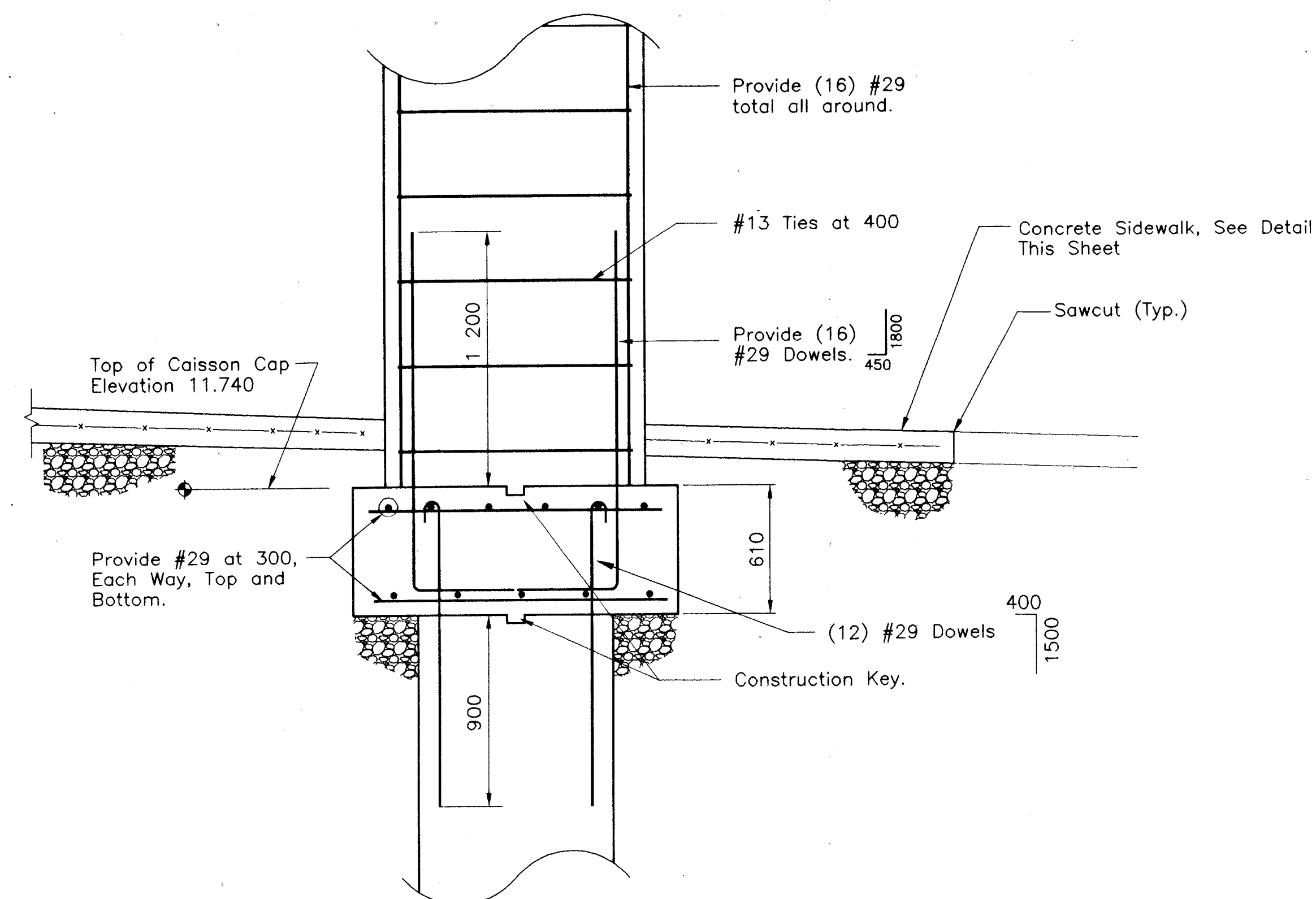
ITEM	UNIT	QUANTITY
ARCHITECTURAL ELEMENTS FOR ACCESS RAMP	L.S.	-
DEMOLITION & RECONSTRUCTION FOR ACCESS RAMP	L.S.	-
SNOW MELTING SYSTEM	L.S.	-
STRUCTURE EXCAVATION - EARTH (COMPLETE)	m ³	175
PERVIOUS STRUCTURE BACKFILL	m ³	180
BRIDGE SCUPPER - FIBERGLASS SCUPPER	EA.	2
ELASTOMERIC CONCRETE EXP. JT. SYSTEM	m	5
CLASS 'F' CONCRETE	m ³	130
13 mm PREFORMED EXPAN. JT. FILLER FOR BRIDGES	m ²	10
50 mm PREFORMED EXPAN. JT. FILLER FOR BRIDGES	m ²	2
DEFORMED STEEL BARS - EPOXY COATED	kg	13 500
DRILLING HOLES & GROUTING DOWELS	m	350
STRUCTURAL STEEL (SITE NO. 1)	L.S.	-
FURNISH AND INSTALL 915 mm DIAMETER CAISSON	m	20
MEMBRANE WATERPROOFING (WOVEN GLASS FABRIC)	m ²	220

CONCRETE DISTRIBUTION

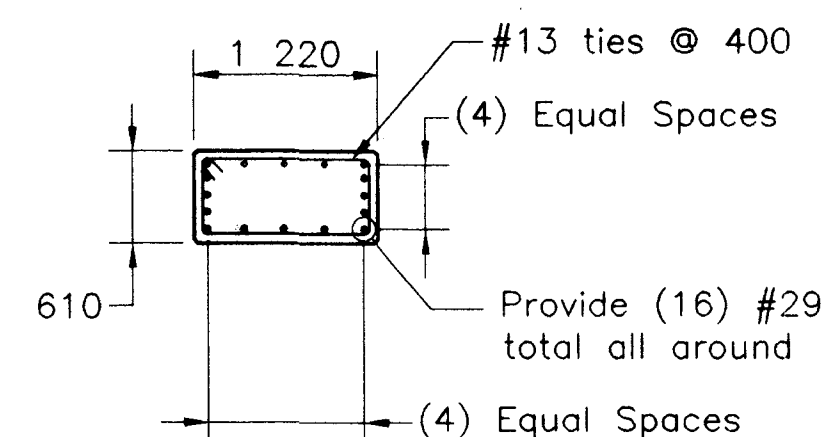
SUPERSTRUCTURE	60 C.Y.
SUBSTRUCTURE	55 C.Y.
FOOTINGS	15 C.Y.
TOTAL	130 C.Y.

**BEAM ELEVATION**

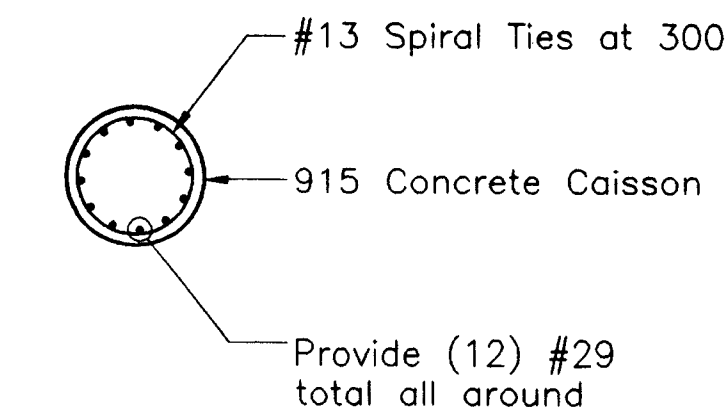
SCALE 1:50

**CAISSON CAP DETAIL**

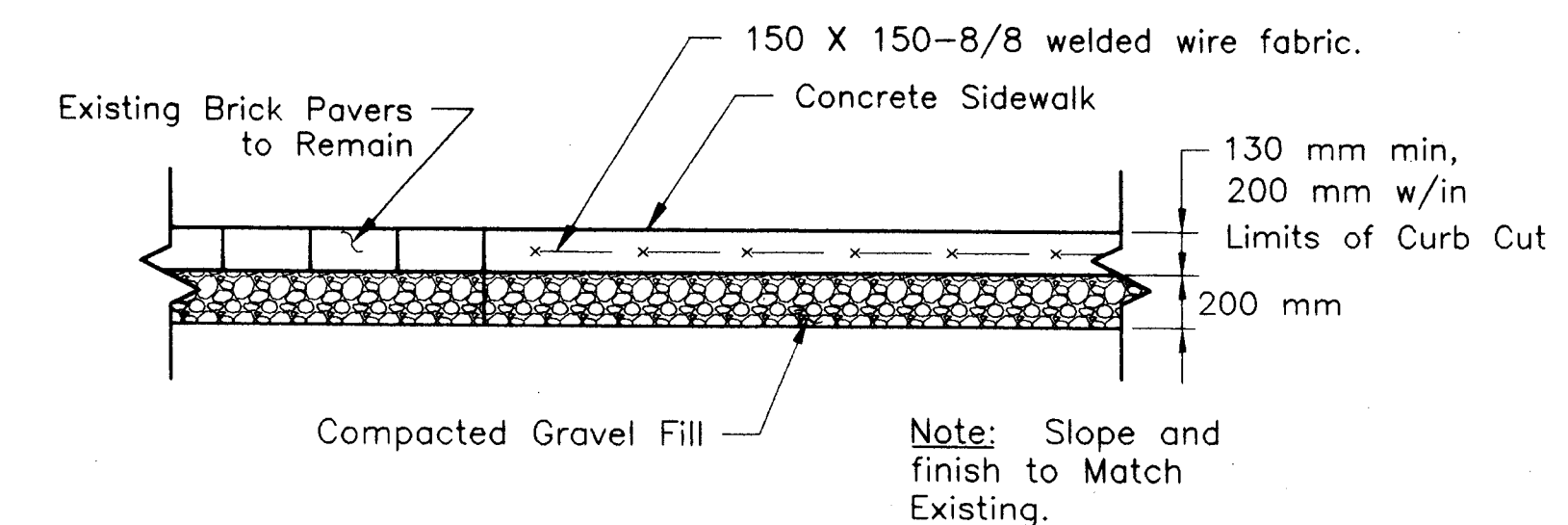
SCALE 1:20

**SECTION 12-12**

SCALE 1:50

**SECTION 13-13**

SCALE 1:50

**CONCRETE SIDEWALK DETAIL**

SCALE 1:50

NOTES:

- All dimensions shown are in millimeters unless otherwise noted.
- All elevations shown are in meters.

CITY OF HARTFORD**HANDICAPPED ACCESS RAMP**

TO

CONSTITUTION PLAZA**GENERAL NOTES AND CAISSON DETAILS**

ENGINEER: MACCHI ENGINEERS, LLC

DESIGNER: DTC

DRAFTER: DTC/DKH

CHECKER: JB

NO. DATE DESCRIPTION

APPROVED *James Brakman*

DATE: 9-17-99

REVISIONS

STRUCTURE NO.

BRIDGE LOG NO.

STRUCTURE SHEET NO.

8R of 15R