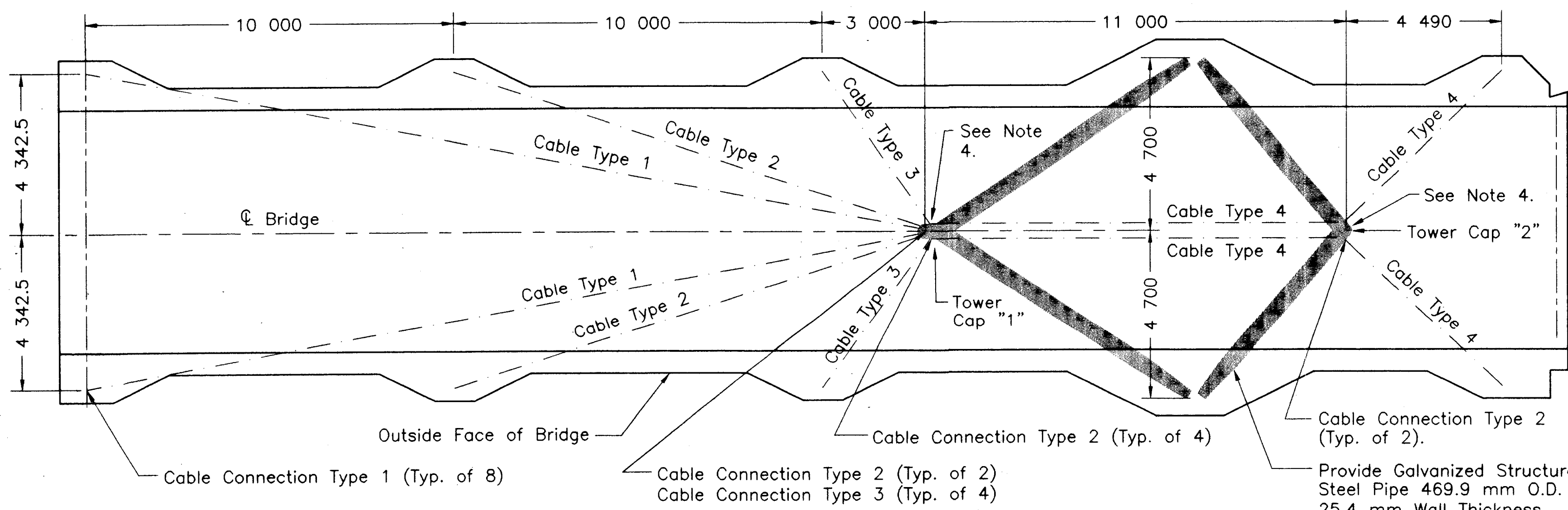




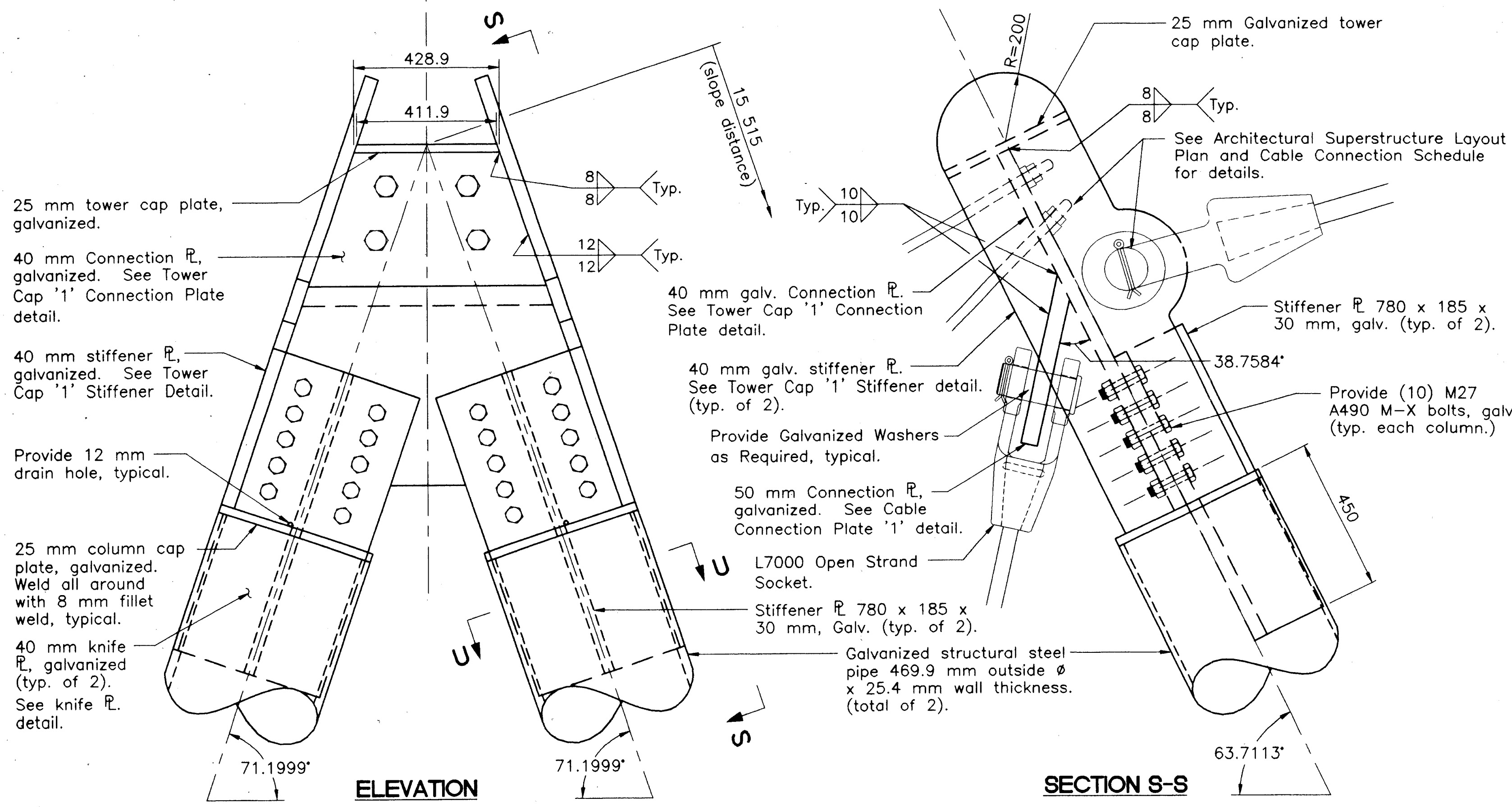
ARCHITECTURAL SUPERSTRUCTURE LAYOUT
SCALE 1:100

CABLE SCHEDULE		
No.	Diameter (mm)	Applied Force (kN)
1	44.5	80
2	44.5	40
3	44.5	10
4	57.2	-

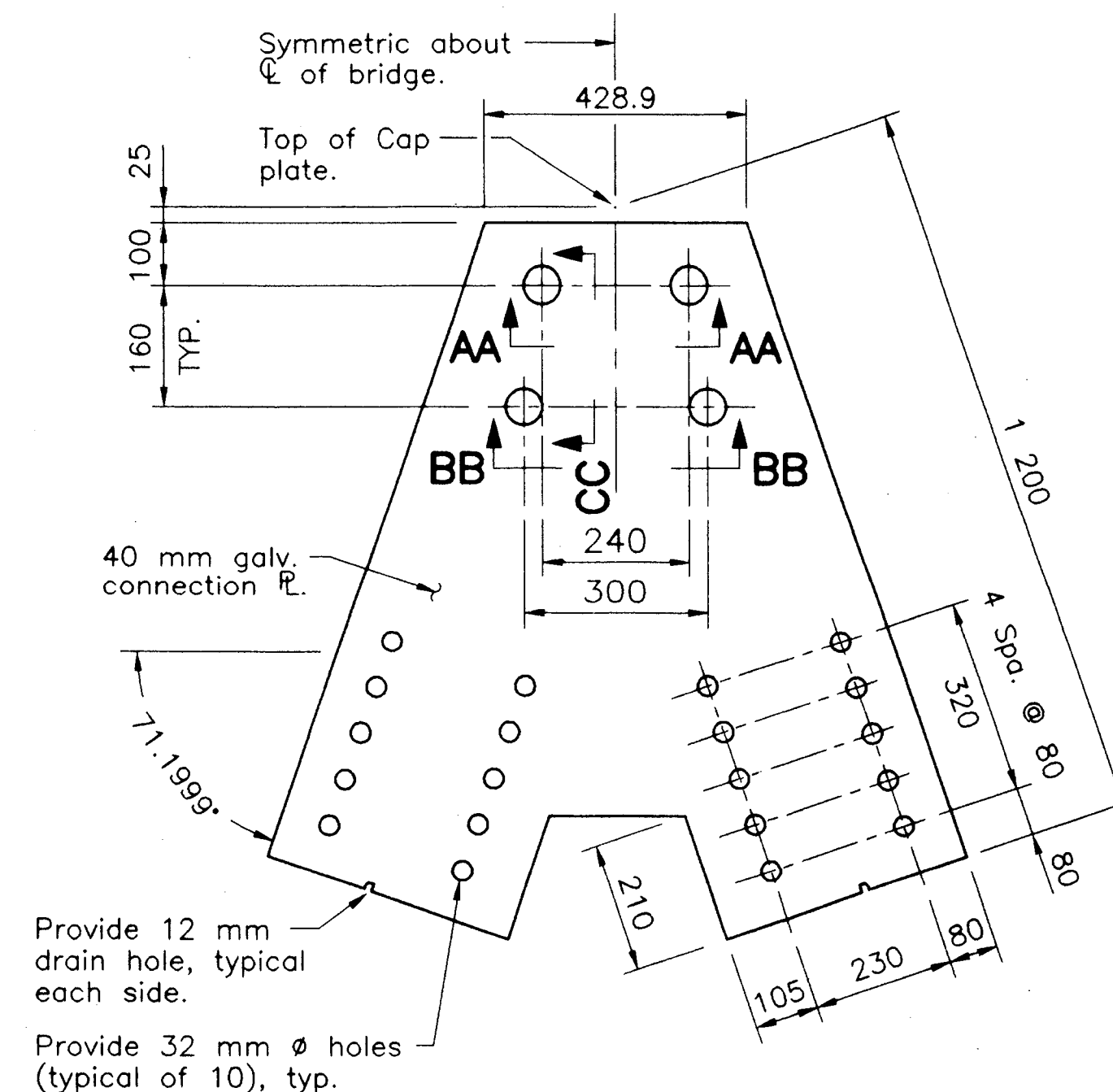
All Cables shall be Galvanized Structural Strand, ASTM A-586, with a Minimum Breaking Strength = 1 630 kN.

CABLE CONNECTION SCHEDULE	
No.	Type
1	L9000 Open Bridge Strand Socket
2	L7000 Open Strand Socket
3	Threaded Swage Stud

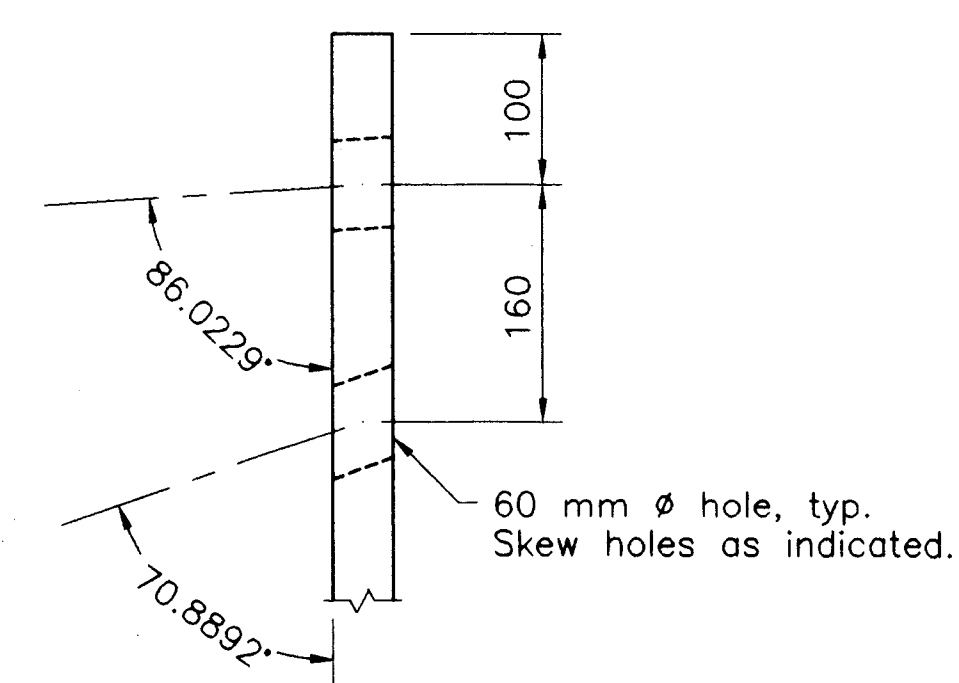
- Architectural Superstructure Erection Notes:**
- The Engineer of Record shall be present during cable jacking operations. The Contractor shall provide method of measuring applied cable forces during jacking operations, and shall not exceed the forces indicated in the Cable Schedule without approval from the Engineer of Record.
 - Provide three (3) erection bolts during the erection of the steel masts and tensioning of the steel cables. See Structure Sheet 20B for erection bolt locations.
 - After all cables have been installed and tensioned to the forces indicated in the Cable Schedule and all visible sag has been removed from the cables, the remaining bolts shall be installed and tightened to the proper torque specifications.
 - Erector shall provide temporary lateral support at the top of the masts prior to installation and jacking of permanent cables.
 - Cables shall be jacked to remove all noticeable sag.



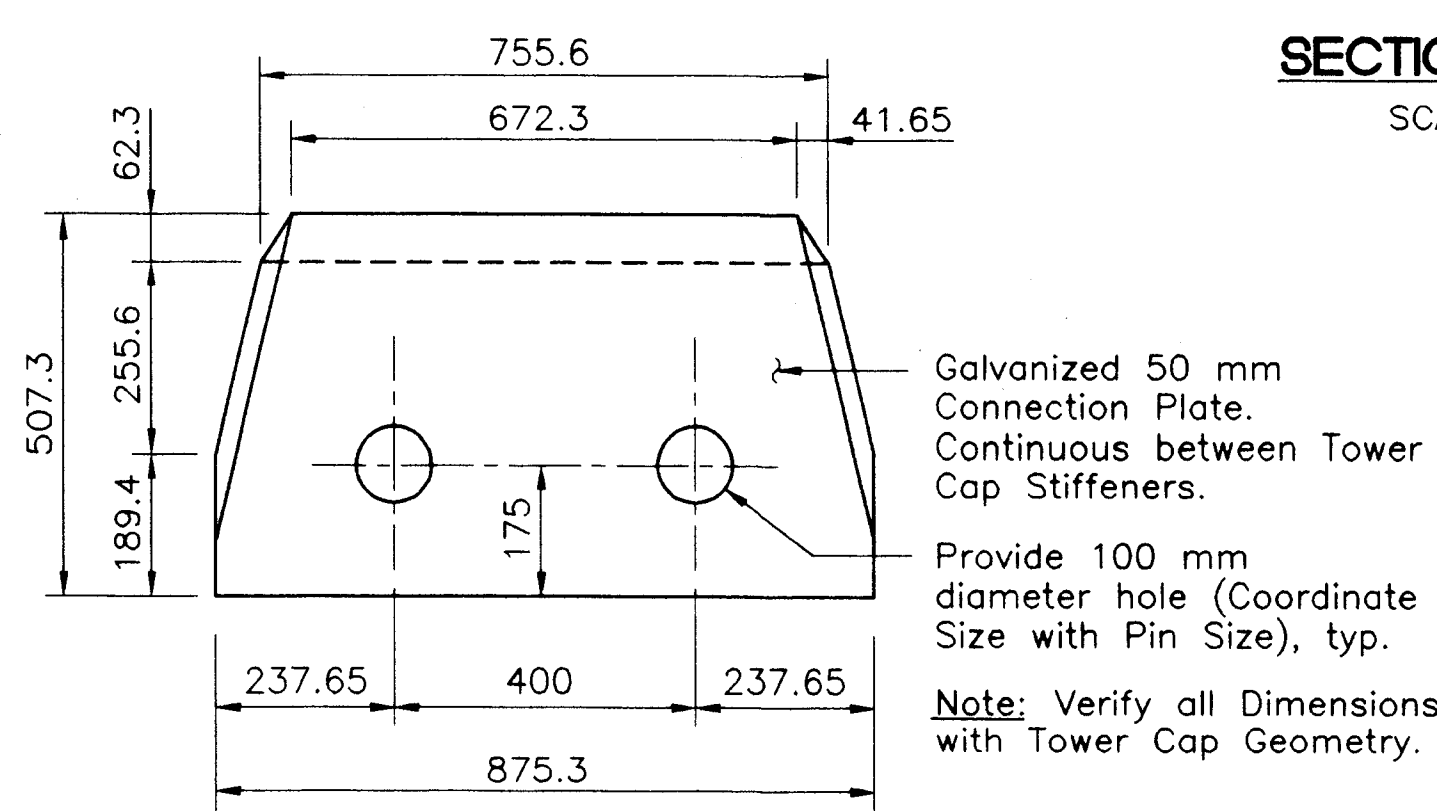
TOWER CAP '1'
SCALE 1:10



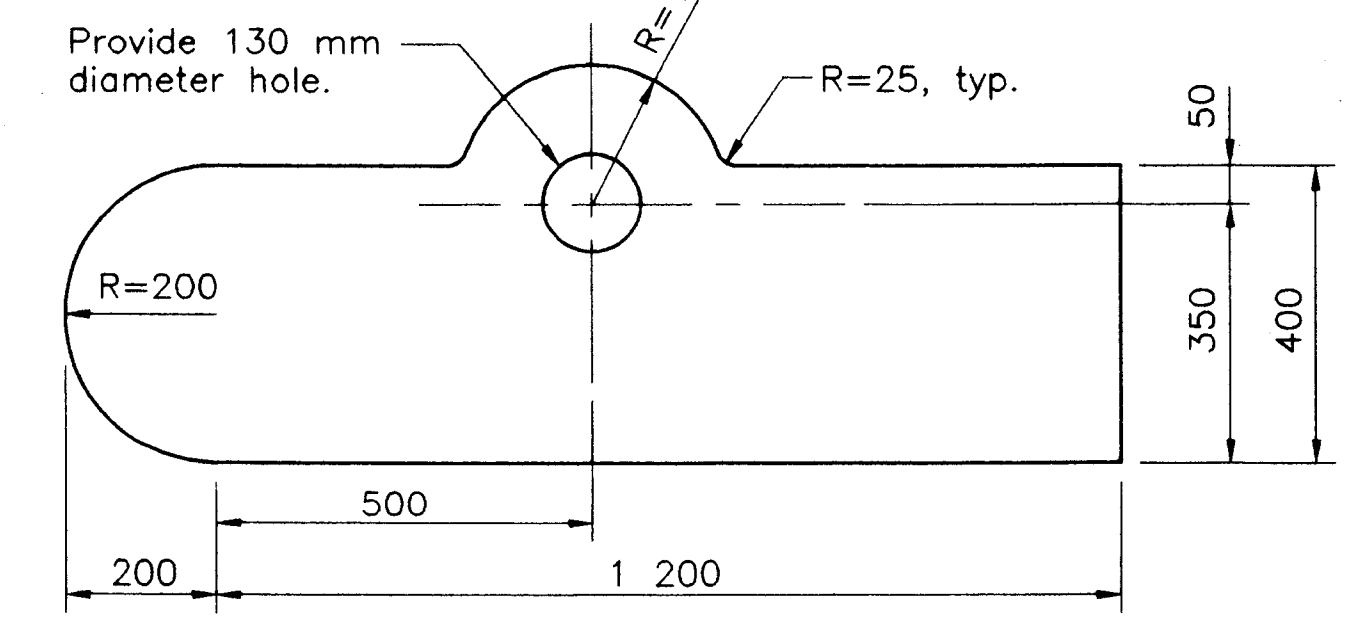
Tower Cap '1' Connection Plate
SCALE 1:10



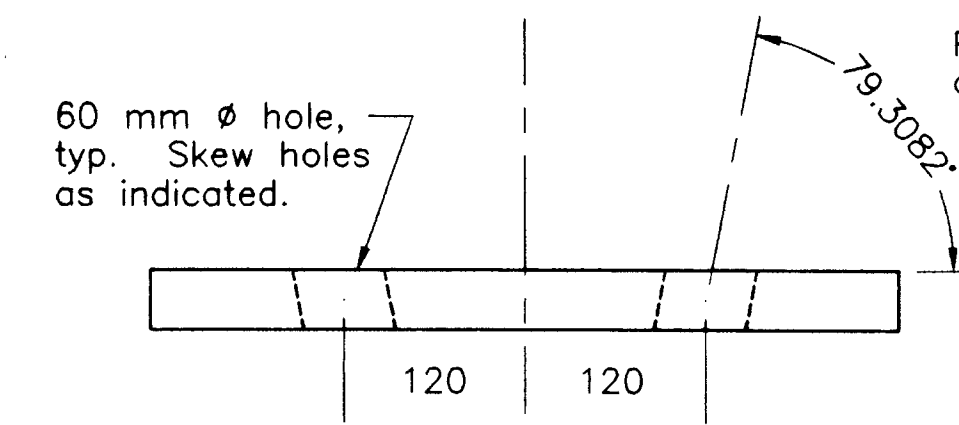
SECTION CC-CC
SCALE 1:5



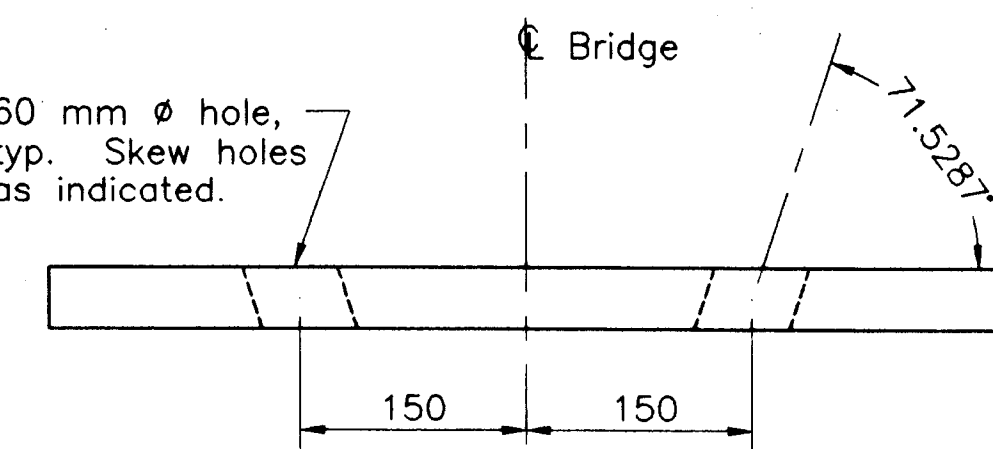
Cable Connection Plate '1'
SCALE 1:10



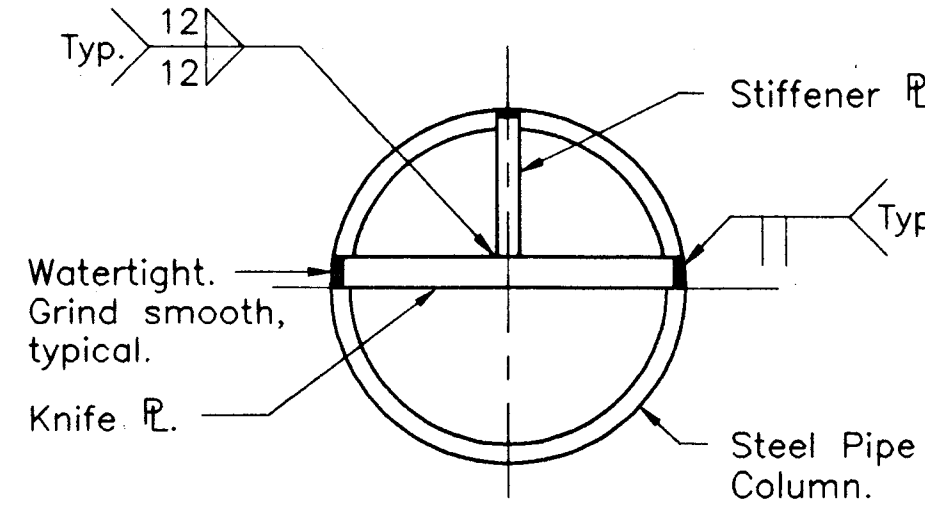
Tower Cap '1' Stiffener Detail
SCALE 1:10



SECTION AA-AA
SCALE 1:5



SECTION BB-BB
SCALE 1:5



SECTION U-U
SCALE 1:10

- GENERAL NOTES:**
- All dimensions shown are in millimeters unless otherwise noted.
 - All elevations shown are in meters.
 - See specifications for wire rope and wire rope fittings.
 - All architectural tower caps, plates, bolts, nuts and washers shall be galvanized.
 - Cost to furnish and install steel pipe columns, steel cables, tower caps, plates and connections to be included in the item "Architectural Superstructure."

CITY OF HARTFORD

PEDESTRIAN BRIDGE

OVER

COLUMBUS BOULEVARD

TOWER CAP '1' DETAILS

ENGINEER: MACCHI ENGINEERS, LLC	
DESIGNER: JB	DRAFTER: MPJ/DC
CHECKER: JB	
APPROVED: <i>[Signature]</i>	DATE: 9-17-99
BRIDGE LOG NO.	STRUCTURE SHEET NO.

NO.	DATE	DESCRIPTION
REVISIONS		