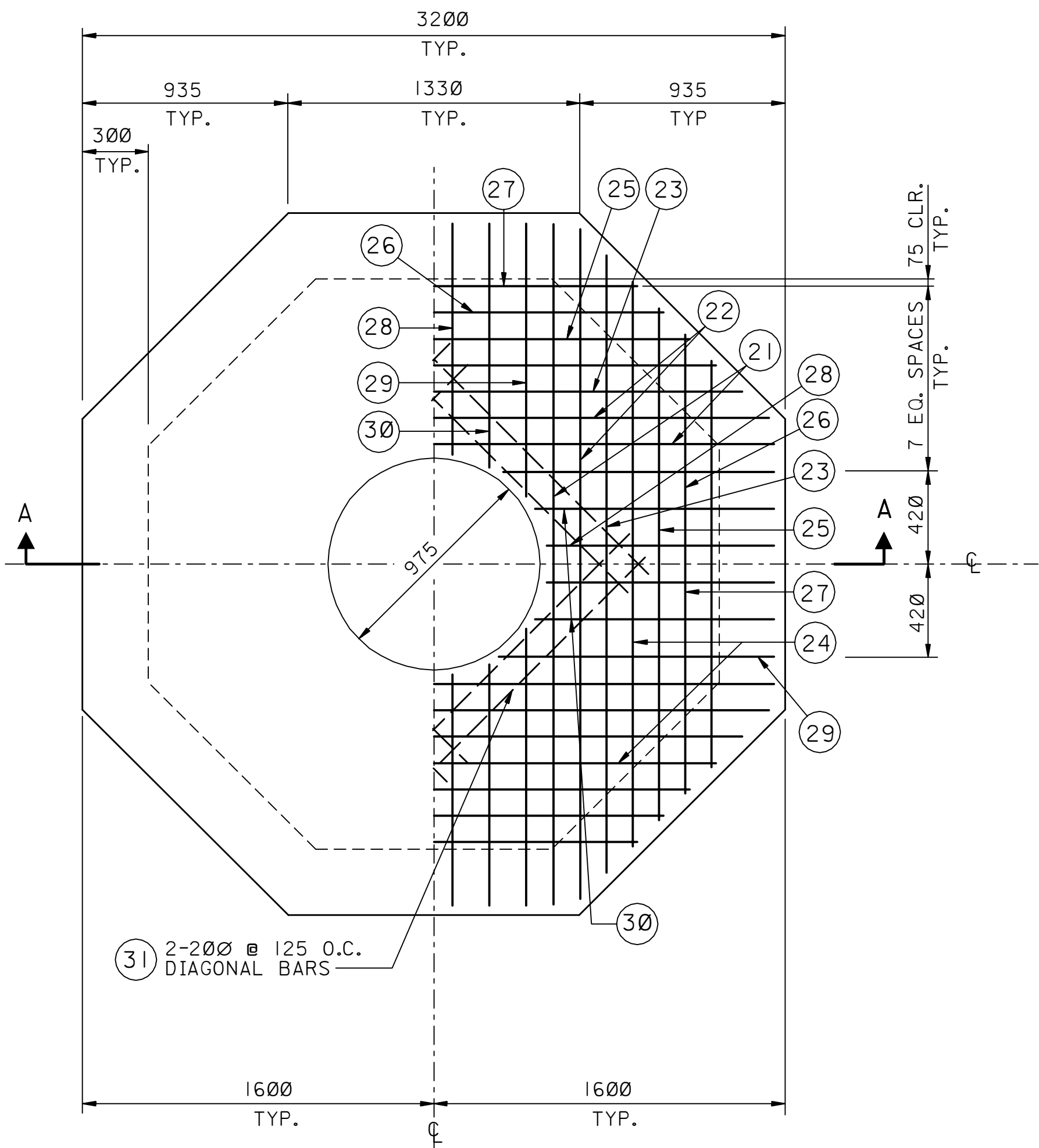
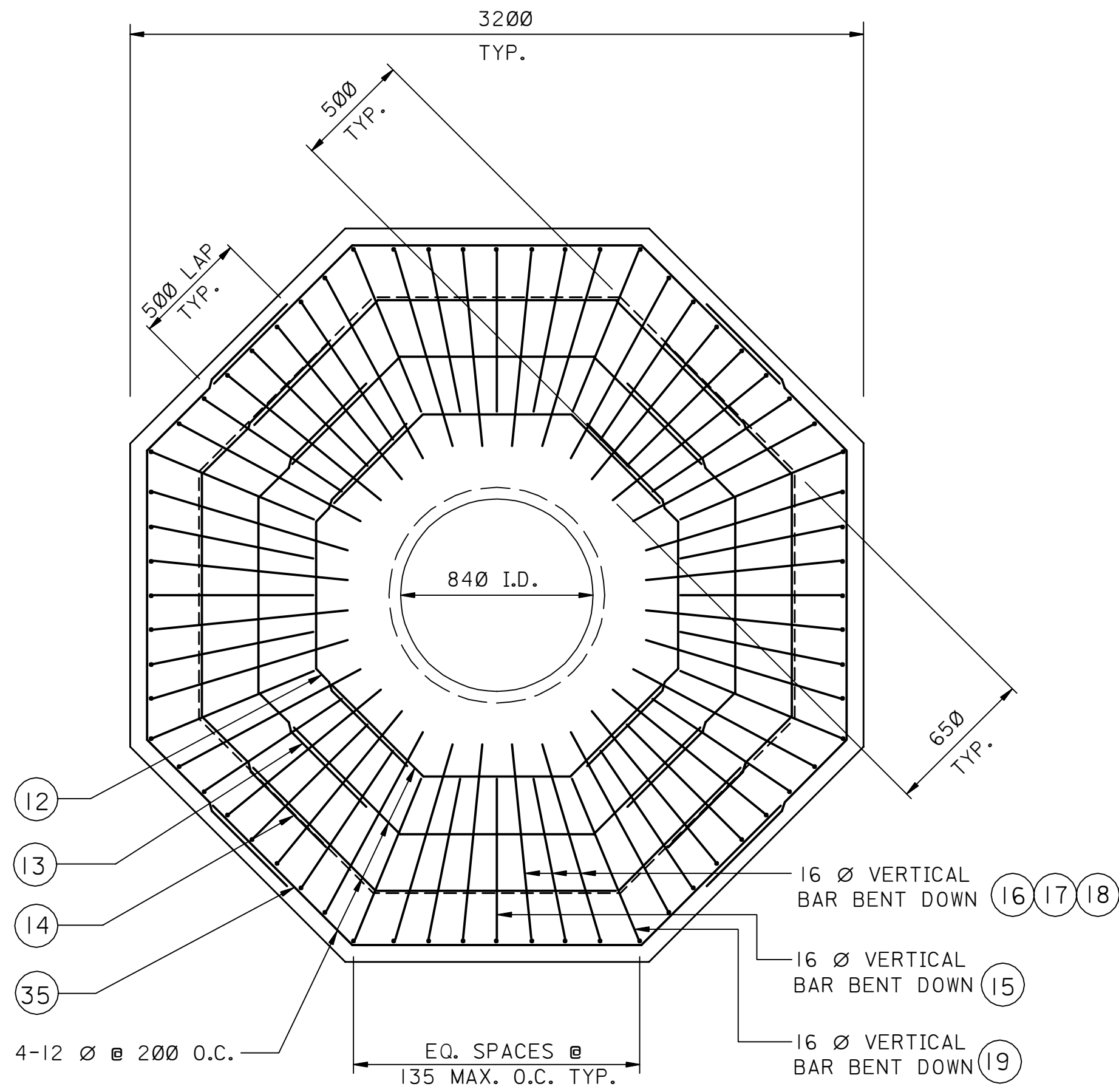
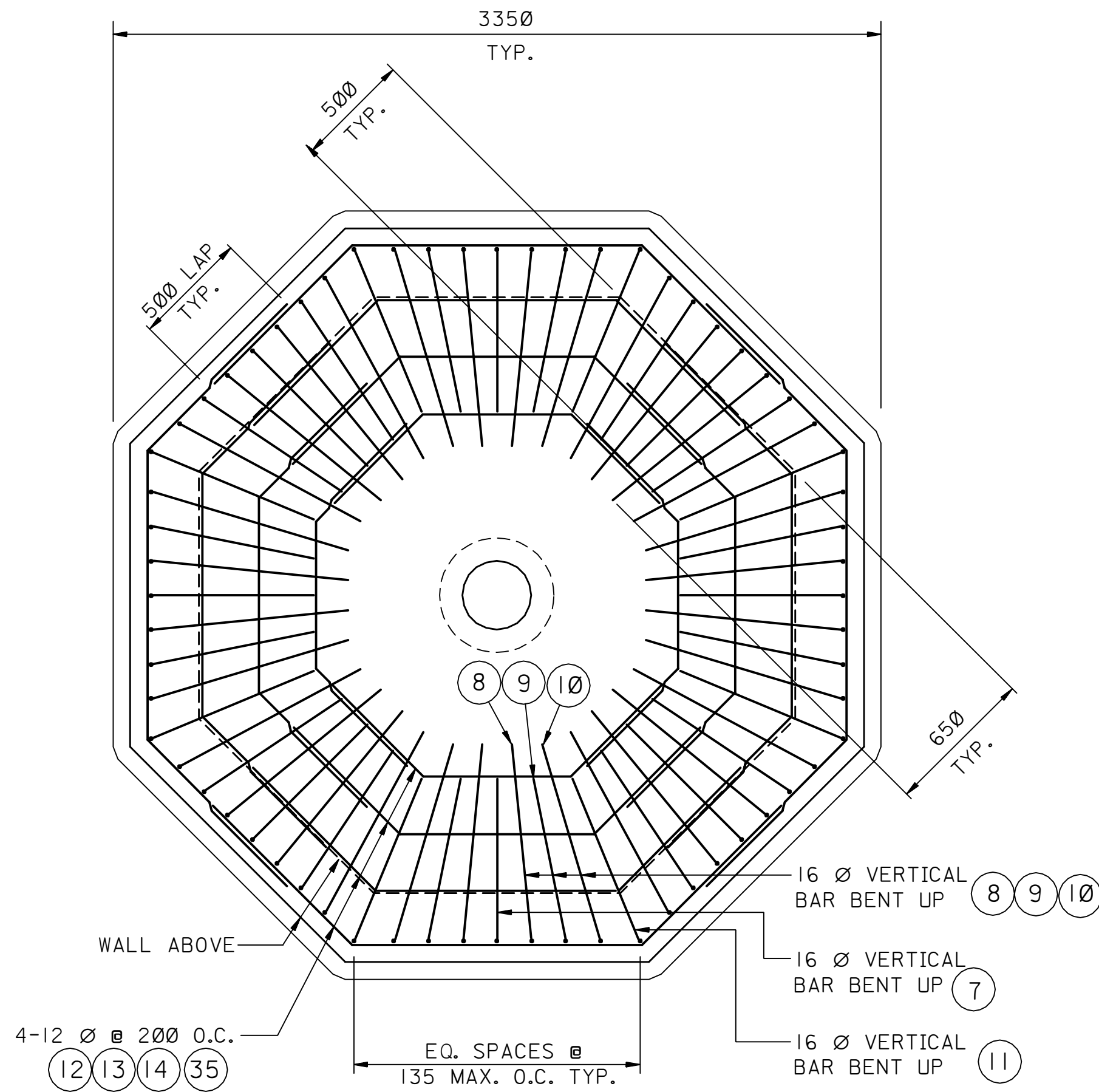




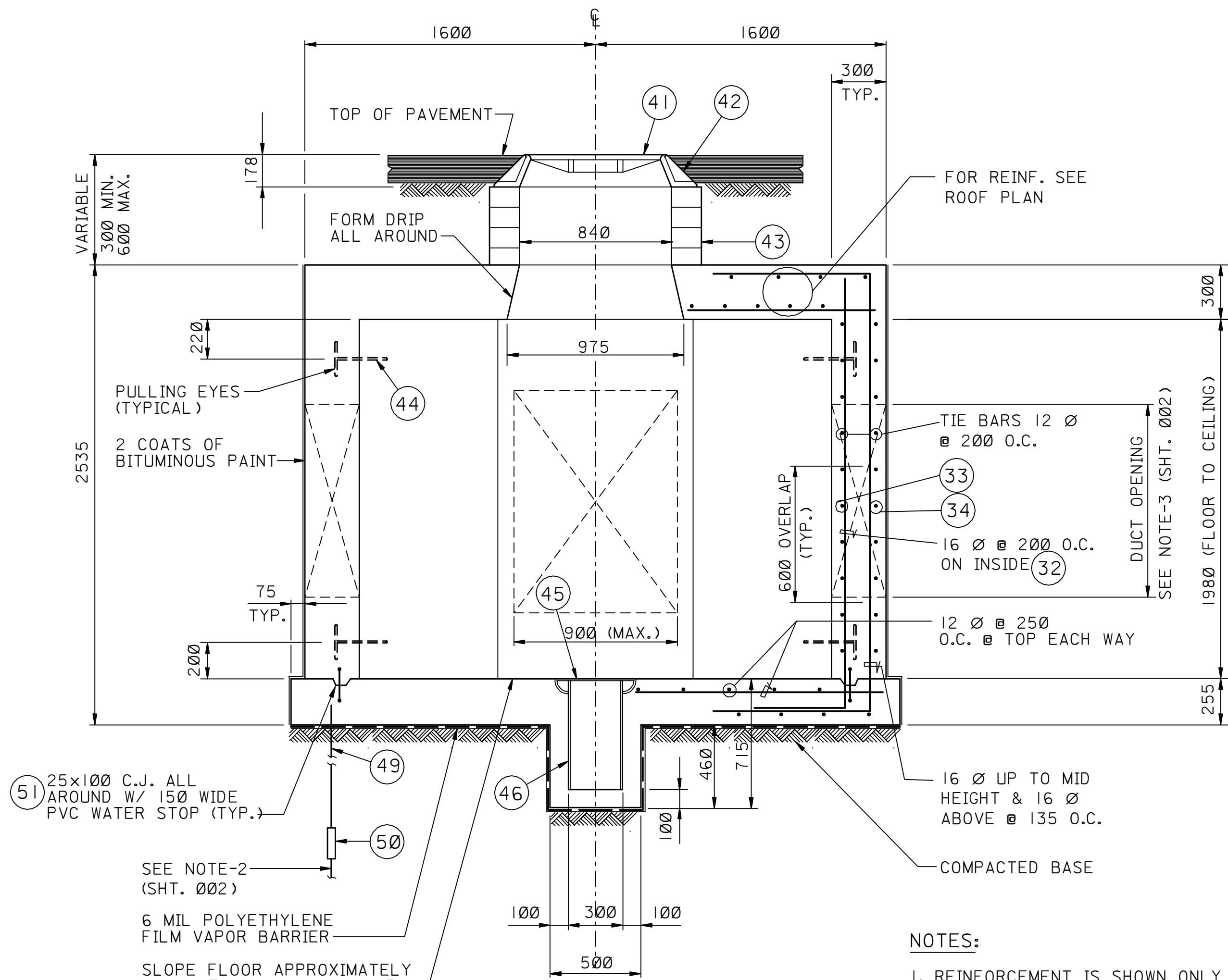
DETAIL OF ROOF SLAB (BOT. REINF.)
SCALE 1:20



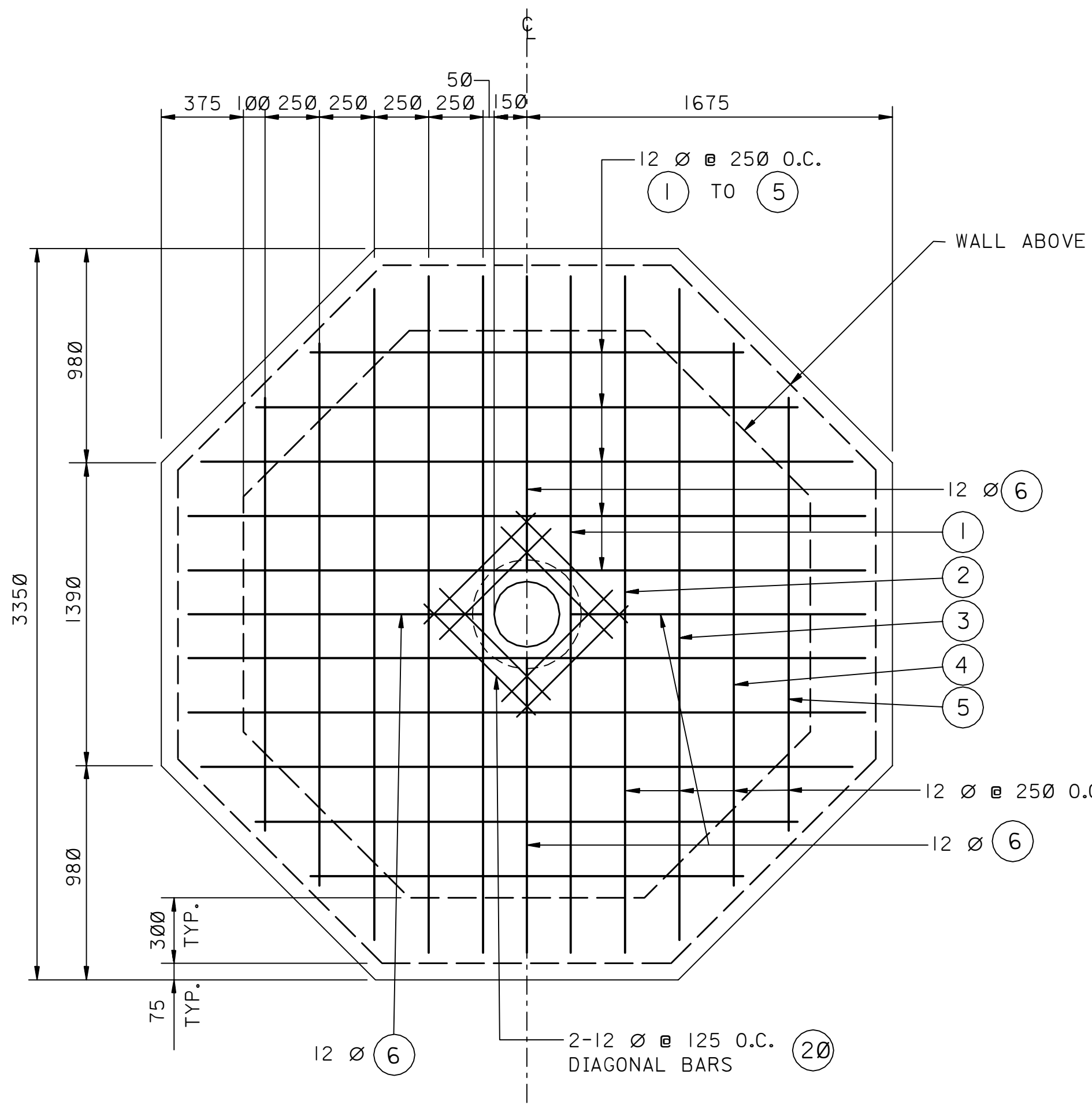
DETAIL OF ROOF SLAB (TOP REINF.)
SCALE 1:20



DETAIL OF FLOOR SLAB (BOT. REINF.)
SCALE 1:20
(NOTE: INSIDE FACE VERTICAL BENT BARS NOT SHOWN)



SECTION
SCALE 1:20



DETAIL OF FLOOR SLAB (TOP REINF.)
SCALE 1:20

NOTES:

I. GENERAL NOTES:

I. DESIGN LOADS:

- LIVE LOAD-HS20-44 TRUCK.
- DEAD LOAD-CONCRETE 150 PCF; EARTH FILL 120 PCF.
- BUOYANCY AND LATERAL EARTH PRESSURES, BASED ON WATER TABLE AT GROUND SURFACE.
- WALL IS DESIGNED FOR PULLING LOAD OF 10,000 LBS. MAXIMUM FOR PULLING EYES. WHEN PULL EXCEEDS 10,000 LBS. PULLING RIG SHALL BE USED.
- THE ALLOWABLE SOIL BEARING PRESSURE = 100KN/M²

II. MATERIALS:

- CONCRETE: f'c=4,000 psi.
- CONCRETE SHALL CONFORM TO THE REQUIREMENTS IN SAES-0-001 AND 09-SAMSS-097
- REINFORCEMENT: ASTM A615-GRADE 50

III. BACKFILLING:

- NO BACKFILLING SHALL BE DONE UNTIL ONE WEEK AFTER ROOF SLAB HAS BEEN POURED UNLESS WALLS ARE BRACED TO WITHSTAND EARTH PRESSURE & COMPACTION EQUIPMENT.

2. CONSTRUCTION NOTES:

- INSTALL 4 GROUND PLATES (47) IN LINE WITH TOP DUCTS.
- CONNECT ALL GROUND PLATES AND PULLING EYES TO GROUND RODS (49) WITH CONTINUOUS LENGTH OF 1/0 AWG COPPER CABLE (8) INSIDE OF CONCRETE FORMS. BRAZE ALL CONNECTIONS TO GROUND CABLE.
- OMIT REINFORCING BARS @ DUCT OPENINGS.

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

- FOR NOTES AND MATERIAL TAKE-OFF SEE SHEET NO. 002

DRAWING RESPONSIBILITY :
ELECTRICAL STANDARDS COMMITTEE

REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.
01	DEC96	RCR		REVISED & REDRAWN ON TWO "A"-SIZE SHEETS.			

SAUDI ARABIAN OIL COMPANY

DRAWN BY: RIC CHECKED BY: BGH SCALE: AS SHOWN

DATE STARTED: 6-3-96 DATE COMPLETED: 10-12-96

OPR'G. DEPT.: ENG. DEPT.: R. GOELAH, AL-HAMDIAN

APPD. FOR CONST.: CERTIFIED C. BOATENG, SR. PROJ. ENGINEER

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED BY: DATE:

FOUR-WAY MANHOLE (ELECTRICAL) DETAILS

STD. DWG. METRIC

PLANT NO. INDEX DRAWING NUMBER SHT. NO. REV. NO.

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