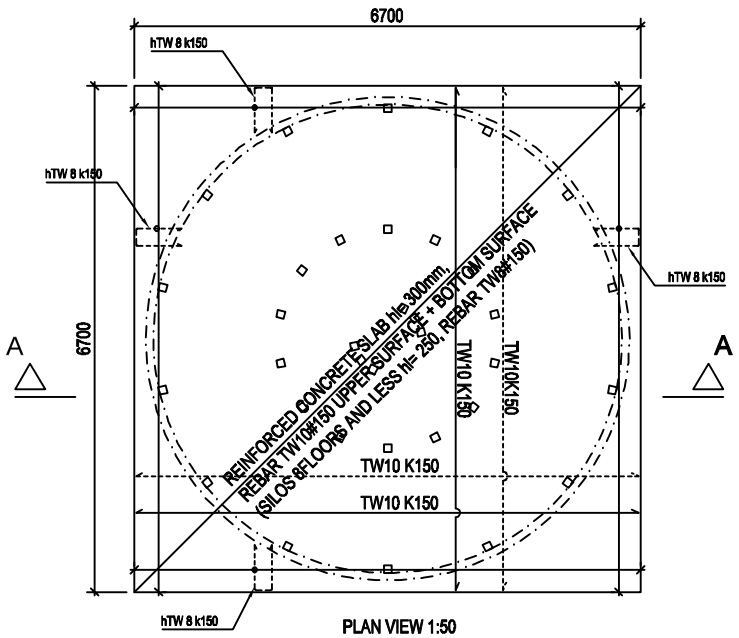


PLAN VIEW 1:50

BOTTOM SURFACE STEEL

UPPER SURFACE STEEL

TW 10 180pcs l=5050

600
210
TW8 180pcs l=600+210+600

IN ADDITION, WORK STEELS AND INTERMEDIATE HOOKS

THE SILO IS ESTABLISHED ON A REINFORCED FOUNDATION SLAB, AT LEAST 300mm THICK, WELL-COMPACTED CRUSHED STONE. THE ALLOWABLE BOTTOM PRESSURE USED IN DESIGN IS 100 kN/m².
THE FOUNDATION IS DRAINED AND THE WATER IS DIRECTED TO THE GROUNDWATER WELL. "DOUBLE-PULL" IS USED AS A DRAINAGE PIPE 117/110, WITH A SLOPE OF 1% AND TP315 DRAINS IN THE CORNERS. THE TOP SURFACE OF THE DRAINAGE PIPE IS AT LEAST 200mm BELOW THE BOTTOM SURFACE OF THE SLAB. DRAINAGE DITCHES MUST BE FROSTPROTECTED IF THEY ARE LESS THAN 500mm BELOW GROUND LEVEL.

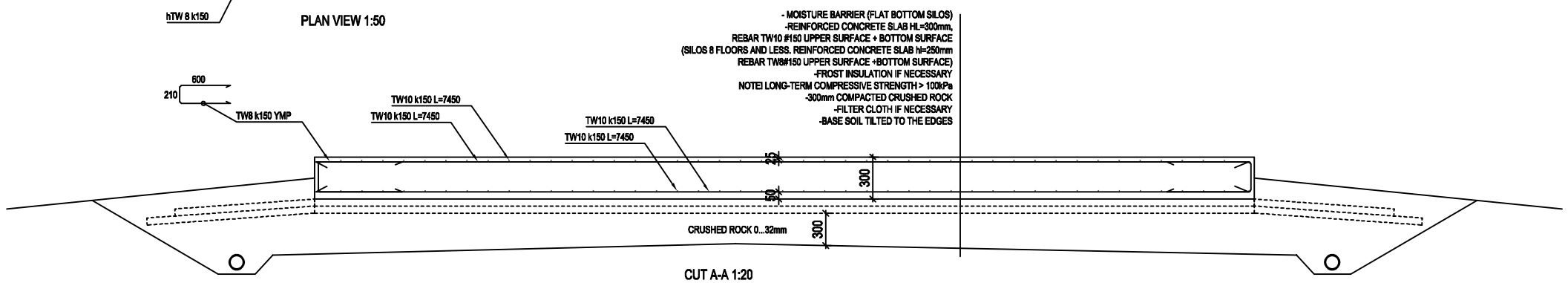
PAYLOAD: EN1990, PAYLOAD ACCORDING TO EN1991-1-1
CONSEQUENCE CLASS: CC2
IMPLEMENTATION CLASS: 2
IMPLEMENTATION TOLERANCE CLASS: CAST-IN-PLACE STRUCTURES 2
DESIGN WORKING LIFE: 50 years
PERMISSIBLE DIMENSIONAL DEVIATION OF CONCRETE STRUCTURES;
IMPLEMENTATION CLASS 2 = 10mm
NOMINAL CONCRETE COVER OF STEEL = MINIMUM VALUE + PERMISSIBLE DIMENTIONAL DEVIATION ACCORDING TO IMPLEMENTATION CLASS

CONCRETE: SOLE C25-30, XC2 PROTECTIVE CONCRETE 50mm
WHEN POURED AGAINST THE GROUND, OTHERWISE 25mm

STEEL: TW=B500B, A500HW

SLOPE OF THE SURFACE SOIL AWAY FROM THE BUILDING AT THE DISTANCE OF 3 METERS 1:20 !!!!!!

- MOISTURE BARRIER (FLAT BOTTOM SILOS)
-REINFORCED CONCRETE SLAB HL=300mm,
REBAR TW10 #150 UPPER SURFACE + BOTTOM SURFACE
(SILOS 8 FLOORS AND LESS. REINFORCED CONCRETE SLAB hl=250mm
REBAR TW8#150 UPPER SURFACE +BOTTOM SURFACE)
-FROST INSULATION IF NECESSARY
NOTE! LONG-TERM COMPRESSIVE STRENGTH > 100kPa
-300mm COMPACTED CRUSHED ROCK
-FILTER CLOTH IF NECESSARY
-BASE SOIL TILTED TO THE EDGES



CUT A-A 1:20

K.OSA	KORTTELIYTEA	TONTTI/RNo	RAKENNUSLUVAN TUNNUS
RAKENNUSTOIMENPIDE: UUDISRAKENNUS			PIIRUSTUSLAJI: RAKENNEPIIRUSTUS; JUOKSLNo
RAKENNUSKOHTEEN NIMI JA OSOITE: MEPU OY; PERIAATEPIIRROS, PERUSTUKSET; VILJASILO 6,4m, TASAPOHJA JA SISÄKARTIOSIILO			PIIRUSTUKSEN SISÄLTÖ: PERUSTUKSET TASOKUVA; PERUSTUSLEIKKAUS; MITTAKAAVAT: 1:50; 1:20
SUUNNITTELIJA: Ri (AMK) Ossi Valkama			SUUN.ALA: RAK; TYÖ No; PIIR.No; MUUTOS; PÄIVÄYS: 29.5.2024; YHT.HENK.: Ossi Valkama Ri (amk) 050 3794699