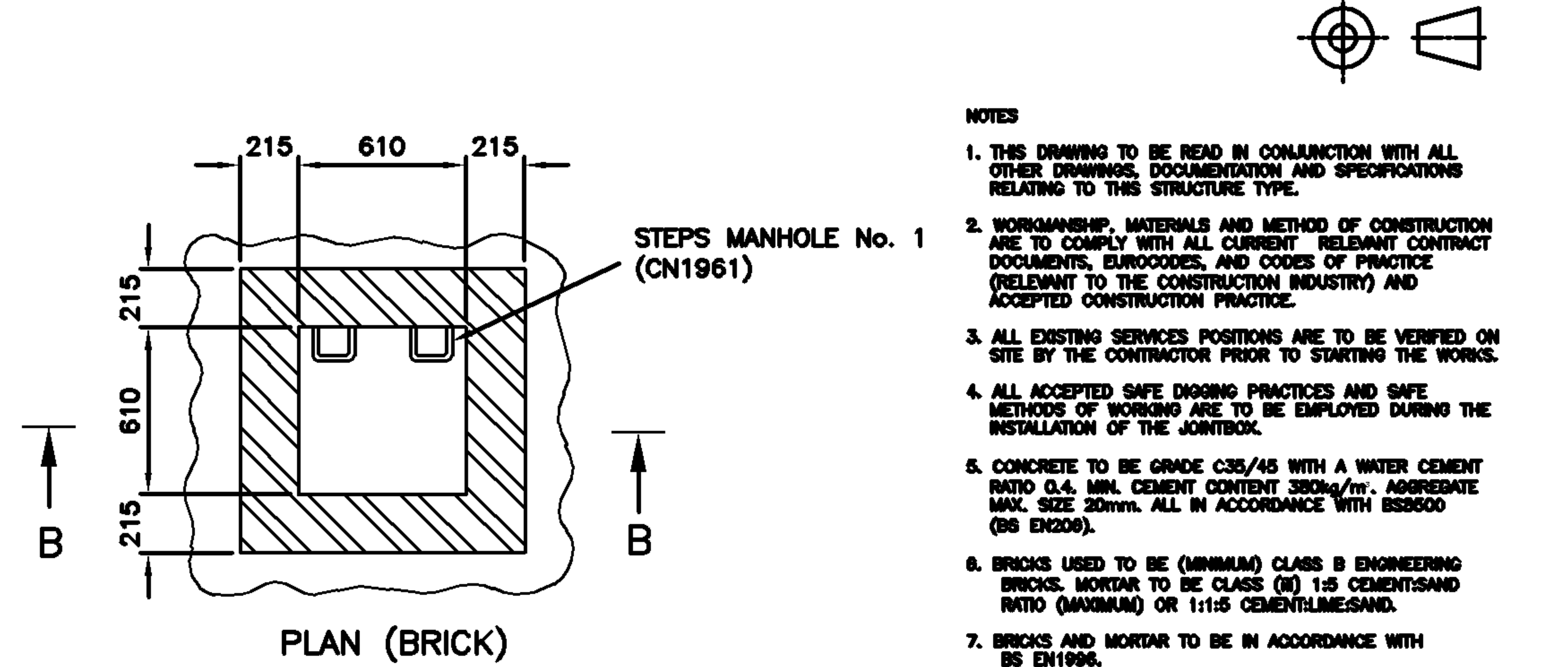
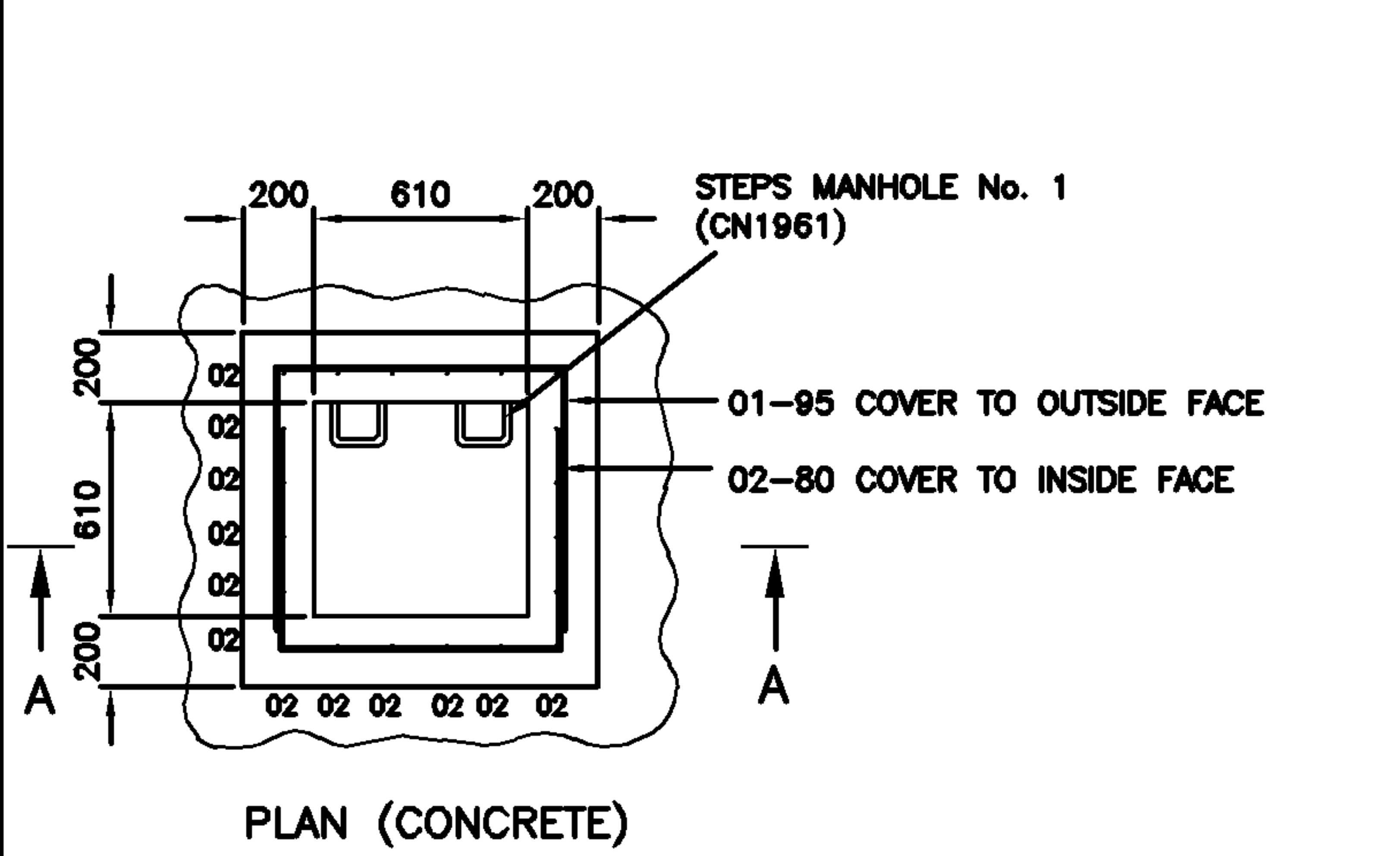
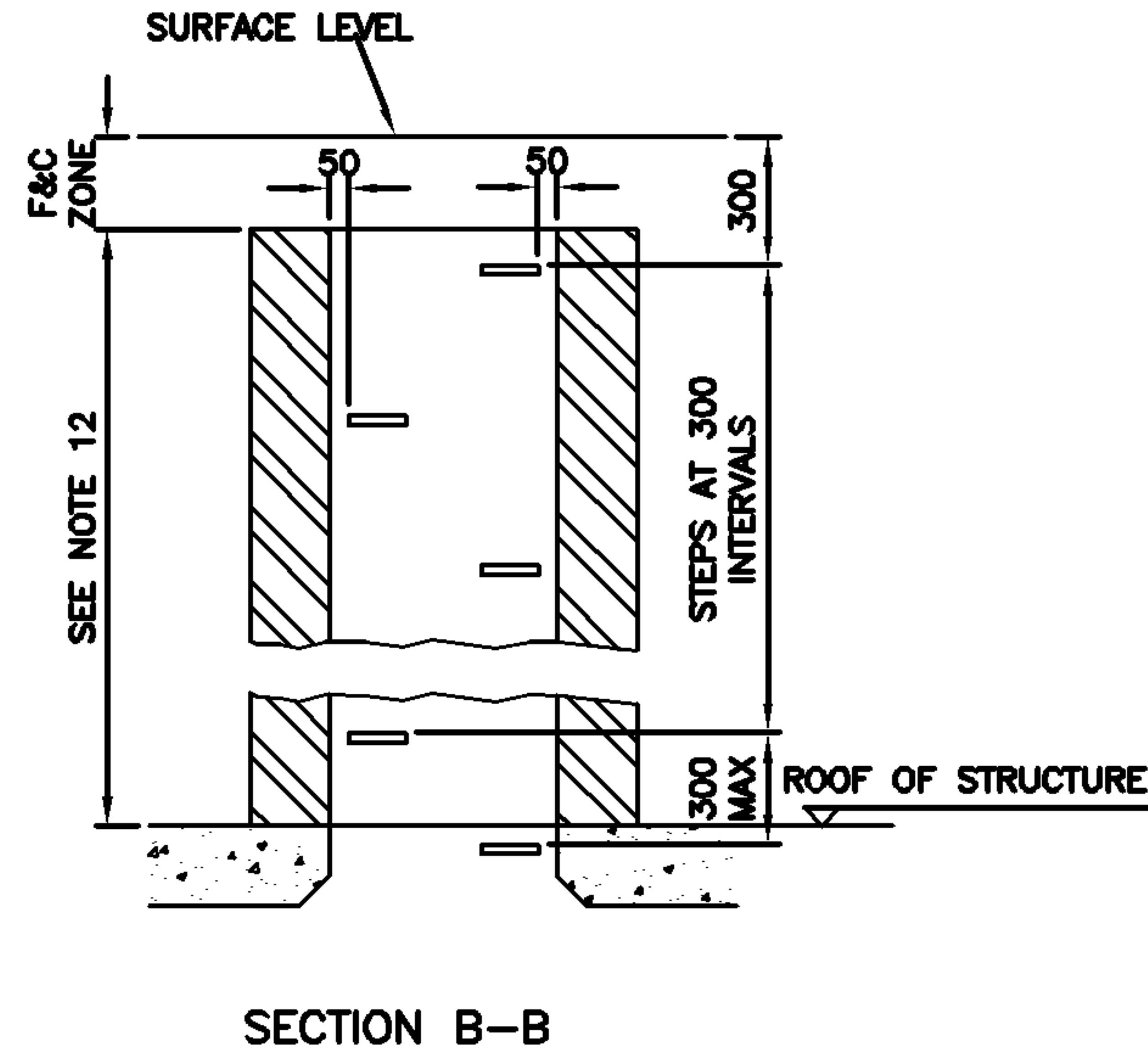
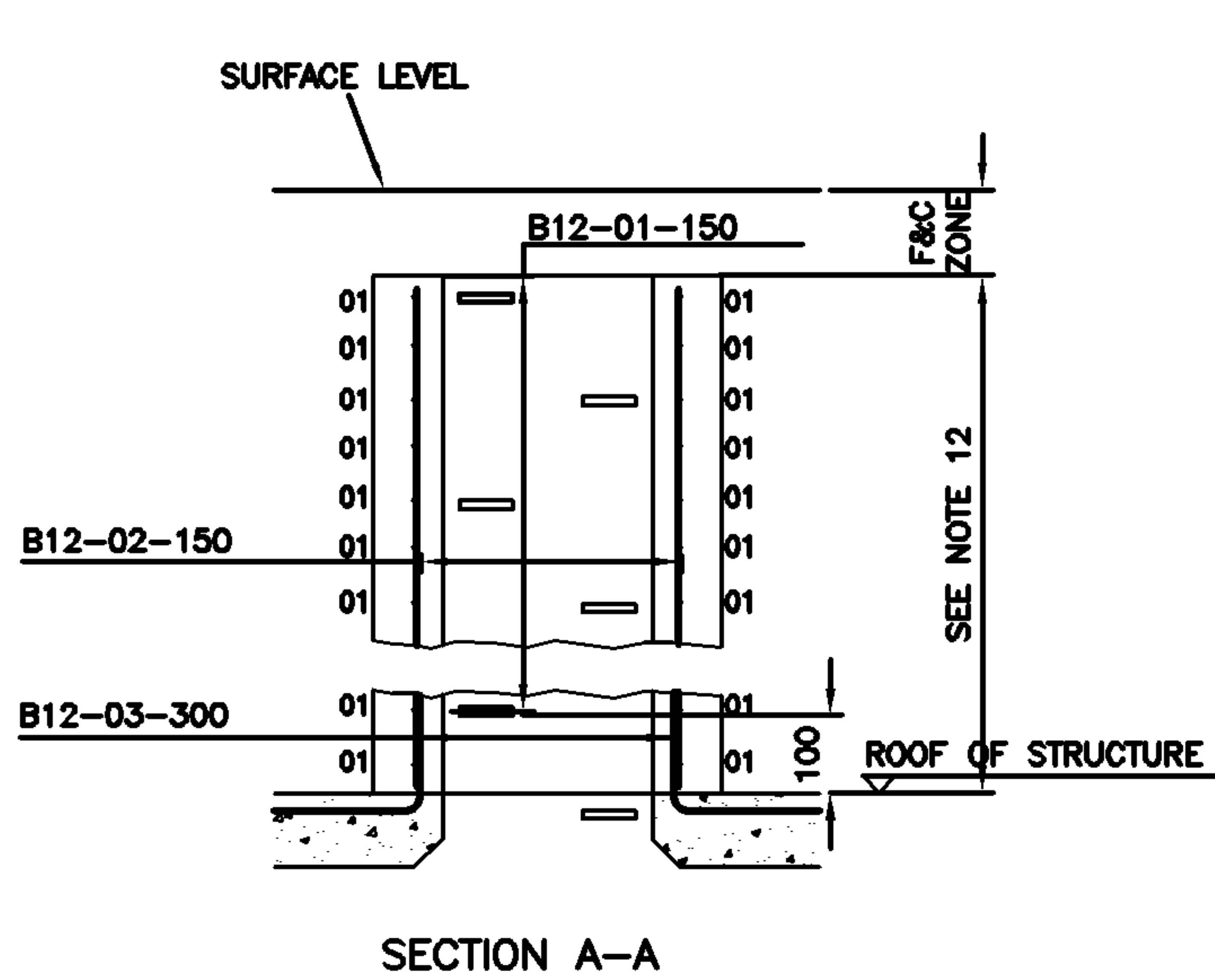


TOLERANCES:- CN15456
BEDDING MATERIAL ±5
VOIDAGE 0.5%
WALL FLATNESS ±11mm
F & C LEVEL WITH HIGHWAY NIL
F & C ROCKING NIL
F & C SURROUND IN UNMADE ±5mm
F & C UNSUPPORTED OVER BOX +5mm
INTERNAL LENGTH & WIDTH ±25mm
STEEL BARS ALIGNMENT
VERT & HORIZ ±15mm
NEAR FACE TO FAR FACE ±15mm
STEEL CAGE GRID PATTERN ±10mm
STEEL DEPTH OF COVER ±5mm
STEP POSITION ±15mm
STEP HORIZONTAL ±5mm
VERTICALITY OF WALLS ±15mm



- NOTES
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, DOCUMENTATION AND SPECIFICATIONS RELATING TO THIS STRUCTURE TYPE.
  - WORKMANSHIP, MATERIALS AND METHOD OF CONSTRUCTION ARE TO COMPLY WITH ALL CURRENT RELEVANT CONTRACT DOCUMENTS, EUROCODES, AND CODES OF PRACTICE (RELEVANT TO THE CONSTRUCTION INDUSTRY) AND ACCEPTED CONSTRUCTION PRACTICE.
  - ALL EXISTING SERVICES POSITIONS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR PRIOR TO STARTING THE WORKS.
  - ALL ACCEPTED SAFE DIGGING PRACTICES AND SAFE METHODS OF WORKING ARE TO BE EMPLOYED DURING THE INSTALLATION OF THE JOINTBOX.
  - CONCRETE TO BE GRADE C35/45 WITH A WATER CEMENT RATIO 0.4. MIN. CEMENT CONTENT 380kg/m³. AGGREGATE MAX. SIZE 20mm. ALL IN ACCORDANCE WITH BS8500 (BS EN206).
  - BRICKS USED TO BE (MINIMUM) CLASS B ENGINEERING BRICKS. MORTAR TO BE CLASS (II) 1:5 CEMENT:SAND RATIO (MAXIMUM) OR 1:1:5 CEMENT:LINE:SAND.
  - BRICKS AND MORTAR TO BE IN ACCORDANCE WITH BS EN1996.
  - REINFORCEMENT TO BE GRADE B500B OR B500C CONFORMING TO BS4483.
  - MINIMUM COVER TO STEEL TO BE 55mm.
  - ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS (SHW) AND ALL SUBSEQUENT AMENDMENTS.
  - ALL BACKFILL MATERIAL TO BE CLASS ON TYPE.
  - SHAFT DEPTH MIN 150mm FOOTWAY, 200mm CARRIAGEWAY
  - NUMBER OF STEPS REQUIRED DEPENDENT UPON SHAFT LENGTH.
  - QUANTITY AND LENGTH DEPENDENT UPON SHAFT DEPTH



ANY MODIFICATION TO THE DRAWING OR THE USE OF ALTERNATIVE ITEMS TO THOSE SPECIFIED MUST BE AGREED WITH THE DESIGNER.

DIMENSIONS IN mm UNLESS OTHERWISE STATED

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BAR SCHEDULE

BAR MARK	TYPE & SIZE	BAR LENGTH	SHAPE CODE	QTY	A	B	C
01	B12	2150	21	NOTE 14	675	820	
02	B12	NOTE 14	00	20			
03	B12	1000	11	10	500	TIE BAR TO CHAMBER	

DO NOT SCALE

ORIGINAL SCALE 1:20

A2 A3	DRN JFH CKD EAC	MATERIAL	OMS Drawing Review			T		MANHOLE SHAFT (REINFORCED CONCRETE OR BRICKWORK) FOR USE IN CARRIAGEWAY OR FOOTWAY		REFERENCES SPEC LN 550 CN1961 BS8500, (BS EN206)
	CERTIFICATION DESIGNER M.DARIOS CLIENT M.STEPHENS	FINISH								
	DATE 07/09/39		BT	OMS	14.10.15					ISSUE
			AMENDMENT							