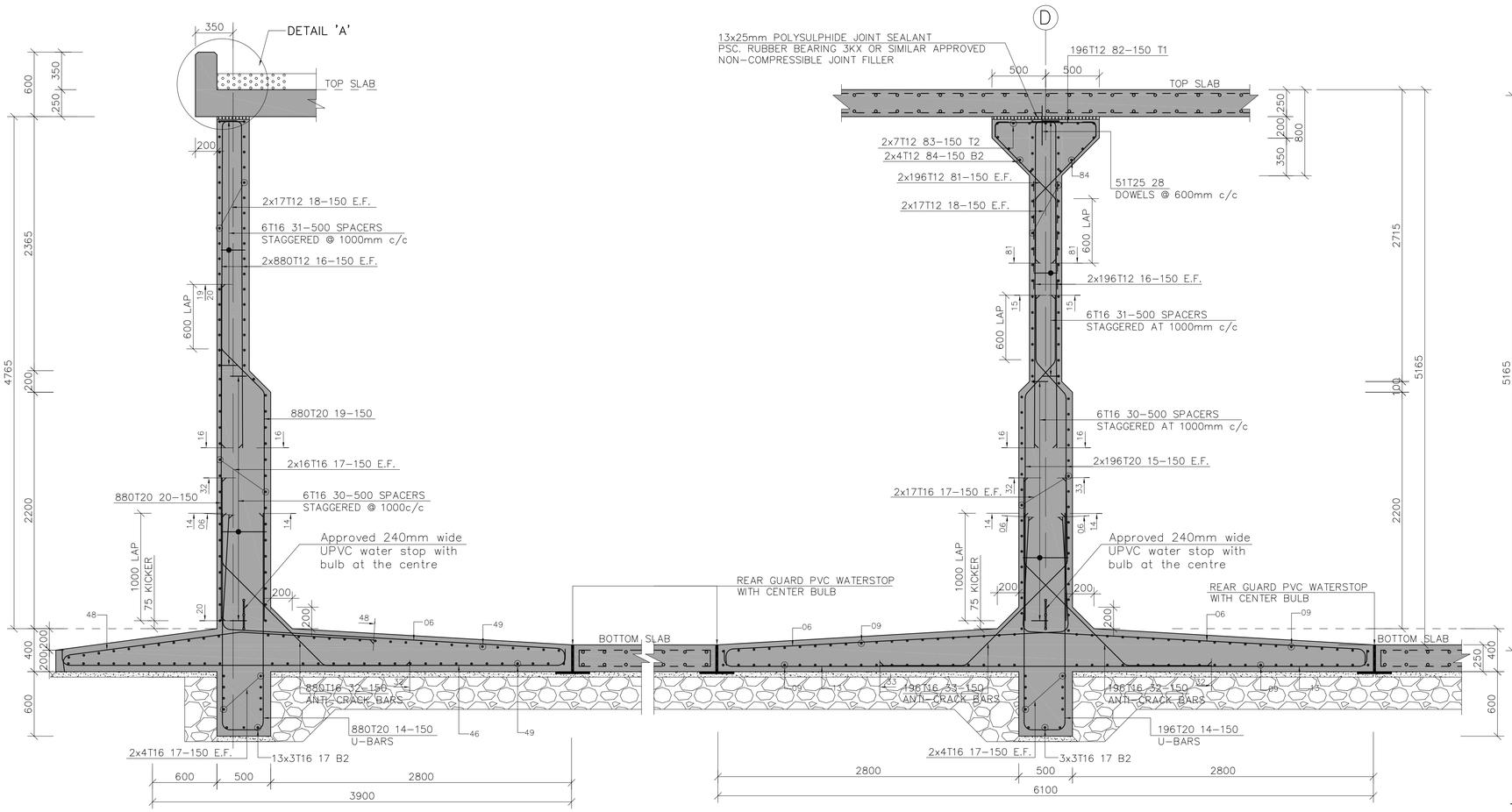
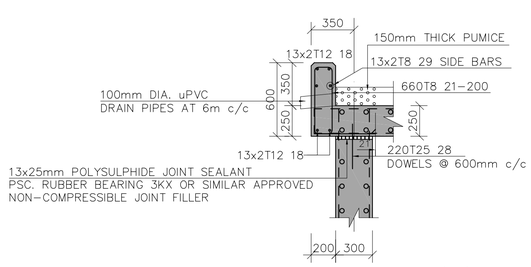


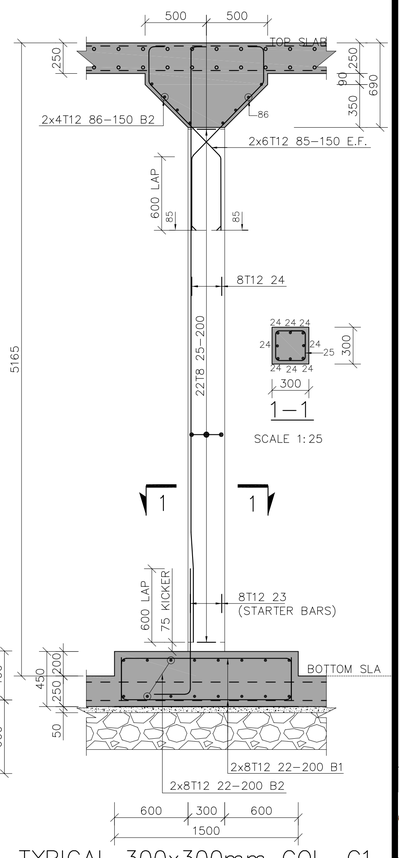
TYPICAL SECTION A–A (WALLS R.C. DETAILS)

SCALE 1:25



TYPICAL DETAIL 'A'

SCALE 1:25



TYPICAL 300x300mm COL. C1 (16Nos.)

SCALE 1:25

NOTES:

1. DESIGN CRITERIA:
   (a) DESIGN CODES B.S. 8007 & B.S. 8110
2. CONCRETE:
   (a) CEMENT TO BE ORDINARY PORTLAND CEMENT TO B.S. 12
   (b) CONCRETE AGGREGATE TO COMPLY WITH B.S. 882
   (c) WATER IN CONCRETE MIXES TO B.S. 3148
   (d) CONCRETE CLASSES TO BE AS FOLLOWS:-
   MASS CONCRETE FILL AND BLINDING MIX, CLASS 15/40
   REINFORCED CONCRETE, CLASS 30/20
   (e) MINIMUM COVER TO ALL REINFORCEMENT TO BE 40mm UNLESS AS SPECIFIED BELOW FOR BUILDINGS:
   MEMBERS OF BUILDINGS:
   - SLABS - 20 mm
   - BEAMS - 25 mm
   - COLUMNS - 40 mm
   - FOUNDATIONS & FOOTINGS - 50 mm
   (f) WALLS/COLUMNS SHOULD BE POURED, IF POSSIBLE, IN A FULL HEIGHT POUR AS SOON AS POSSIBLE AFTER THE BASE HAS BEEN CONCRETED (2 TO 3 DAYS)
3. REINFORCEMENT:
   (a) REINFORCEMENT TO BE HIGH YIELD SQUARE TWISTED BARS TO B.S. 4466
   (b) BENDING DIMENSIONS TO B.S. 4466
   (c) THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SPACER BLOCKS, CHAIRS AND TYING WIRE
   (d) EXAMPLE: 16 T12 - 07 - 150 SIGNIFIES 16 No. HIGH TENSILE 12mm DIA. BARS IDENTIFICATION MARK 07 AT 150mm CENTRE TO CENTRE SPACING
4. JOINTS:
   THE POSITION AND NUMBER OF INTERMEDIATE JOINTS TO BE AS DIRECTED BY THE ENGINEER OR AS SHOWN IN THE DRAWINGS.
   BEFORE PLACING FRESH CONCRETE THE OLD SURFACE SHALL BE ROUGHENED AND ALL LAITTANCE AND LOOSE MATERIAL REMOVED.
   THE SURFACE SHALL BE THOROUGHLY WETTED BUT EXCESS WATER SHOULD BE REMOVED SO THAT THE CONSTRUCTION JOINTS ARE IN A SATURATED BUT SURFACE DRY CONDITION
   ALL WALL/COLUMN BASE CONNECTIONS SHOULD HAVE 100mm KICKER UNLESS OTHERWISE SPECIFIED
   THE uPVC WATER STOP SHALL BE 240mm WIDE UNLESS OTHERWISE SPECIFIED
   JOINT FILLER TO B.S. 5292 AND TO BE APPROVED BY THE ENGINEER
5. ABBREVIATIONS:

T - TOP	B - BOTTOM
N.F. - NEAR FACE	F.F. - FAR FACE
E.F. - EACH FACE	E.W. - EACH WAY

6. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING Nos. OYG-S-D-060 TO OYG-S-D-062

EMPLOYER

GOVERNMENT OF KENYA
MINISTRY OF WATER SANITATION & IRRIGATION
NAIROBI-KENYA

IMPLEMENTING AGENCY

MINISTRY OF WATER, SANITATION & IRRIGATION
P.0 Box 49720-00100
Nairobi, Kenya

PROJECT

PROPOSED CONSTRUCTION OF NYAMANJI IRRIGATION; PROJECT SUBA NORTH SUB COUNTY, HOMABAY COUNTY

Drawing Title:

4500 CUBIC METRE TANK
WALLS & COLUMNS R.C. DETAILS

DESIGNED	C.W & A.A	JAN. 2025	SHEET: 3 of 3
CHECKED	ENG. B.O.O	JAN. 2025	SCALE: AS SHOWN
APPROVED	ENG. B.O.O	JAN. 2025	
			DRG. No. M.W.S.&.I 003-NY-WP