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| (1) COMPACTED SOIL | (11) WATER-SWELL TAPE |
| (2) CRUSHED STONE (GRAVEL) | (12) IRON REINFORCEMENT |
| (3) LEVELING CONCRETE | (13) FORE PILE (DOWELS) |
| (4) MBM HORIZONTAL WATERPROOFING
"NILOFLEX 15 PY3.5-4-4.5 MM S/E" | (14) MBM VERTICAL WATERPROOFING
"NILOSTICK 1500-3 MM S/Z" * |
| (5) RC RAFT FOUNDATION | (15) DRAINAGE BOARD |
| (6) CEMENT BASED CRYSTALLIZED WATERPROOFING | (16) RC RAFT RETAINING WALL |
| (7) CEMENT BASED GROUT MORTAR | (17) DIAPHRAGM WALL |
| (8) PROTECTION BOARD* | (18) PILE |
| (9) MBM BASE FLASHING
"NILOFLEX 15 PY S/E" | |
| (10) DRAINAGE PIPE | |

NOTES :

- *OPTIONAL IN CASE OF EXPECTED MECHANICAL MOVEMENT PROTECTION BOARD IS REQUIRED (NILOBOARD, NILOSTICK 1500 2MM S/E OR ALTERNATE).
- * THE VERTICAL SELF ADHESIVE MEMBRANE SHALL BE INSTALLED ON NAILED DRAINAGE BOARD.

(USE "SYSTEM REFERENCE" TO OBTAIN RELEVANT DETAILS FROM "STANDARD CONSTRUCTION DETAILS" SECTION)

	Application	WATERPROOFING APPLICATIONS UNDERGROUND STRUCTURE <small>FOUNDATION & UNIFORM DIAPHRAGM WALL WITH PILE CAP DETAILED TREATMENT</small>	UB12-A
	System	SBS & SELF ADHESIVE MBM WATERPROOFING TANKING SYSTEM	REFERENCE: BNTS/03/UB12-A
	50, Al Khalifa Al Maamoun St., Roxy, Heliopolis, Cairo - Egypt. E-mail: MTS@bitunil.com TEL.: 202 2451 1194 - 202 2451 1195 FAX: 202 2451 1198 Web Site: www.bitunil.com		DATE: JANUARY 2022