

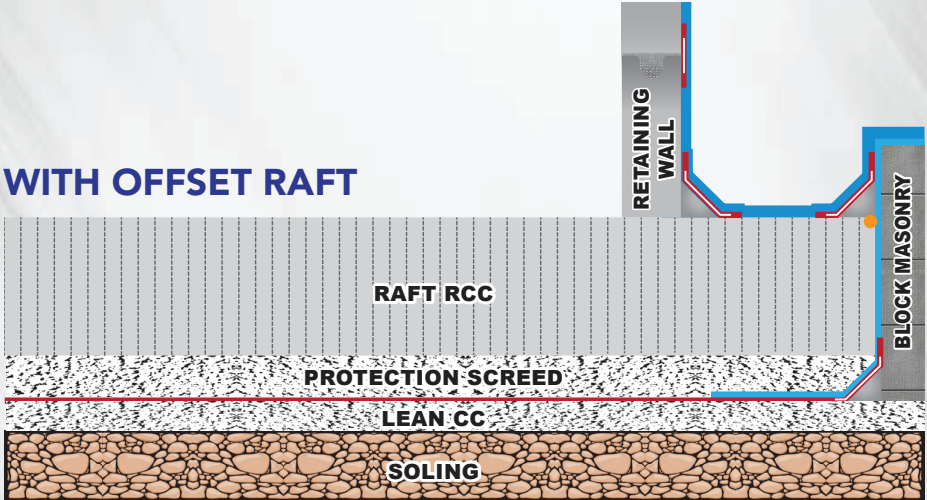


WATERPROOFING SYSTEM

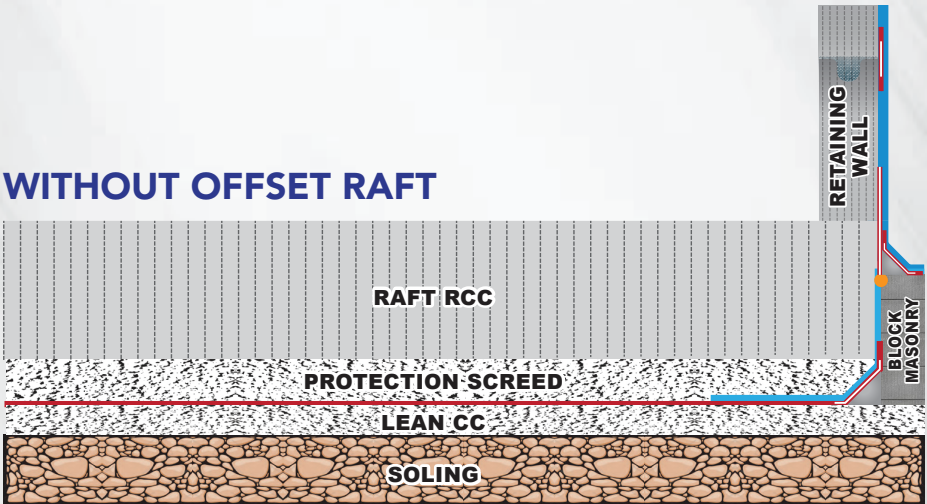
ADVANCE WATERPROOFING SYSTEM FOR SUBSTRUCTURE
(BASEMENT / FOUNDATION)



WITH OFFSET RAFT



WITHOUT OFFSET RAFT



MEGA WATER GUARD
SINGLE COMPONENT POLYURETHANE
BASED ELASTOMERIC COATING



MEGA WATER SEAL PRO
PROFESSIONAL GRADE HIGHLY FLEXIBLE
TWO COMPONENT ACRYLIC CEMENTITIOUS COATING



MEGA MAX BOND
ELASTOMERIC POLYURETHANE
JOINT SEALANT



MEGA LATEX/SBR
STYRENE BUTADIENE RUBBER LIQUID
ADMIXTURE & BONDING AGENT



MEGA MESH FG-720
HIGHLY VERSATILE GLASS FIBRE MESH FOR
EXCELLENT BOND & REINFORCEMENT

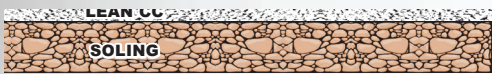


MEGA MESH NP-721
A HI-TECH NON-WOVEN FABRIC WITH
AN EXCELLENT ABRASION RESISTANCE

**Material can be change as per site situation or requirement*

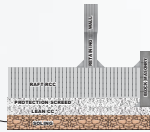
STEP # 1.0

LEAN CC SOLING



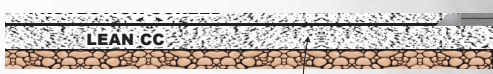
WHAT IS SOLING?

Soling is the process of hand packing rubble stones one adjacent to another, to provide a stable base to the foundation and footing, before concreting work. Rubble or boulder soling is done to enhance the bearing capacity of the soil, where hard strata are not available.



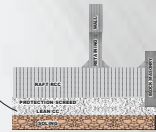
STEP # 2.0

LEAN CC



WHAT IS LEAN?

Lean concrete is made up of low cementitious material content. It is primarily poured through chutes, conveyor buckets, or pumps. It is used in various areas where support and strength are not critical. The mixture is highly liquid when compared to real concrete and is self-leveling, making it ideal for saving time.



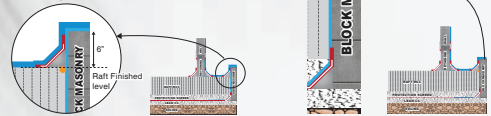
STEP # 3.0

BLOCK MASONRY WITH OFFSET RAFT:

A concrete masonry unit is a standard-size rectangular block used in building construction. CMUs are some of the most versatile building products available because of the wide variety of appearances that can be achieved using them.

Recommendation:

It is highly recommended the level of block masonry should be 6" higher as compare to raft finished level.



STEP # 3.1

BLOCK MASONRY WITHOUT OFFSET RAFT:

A concrete masonry unit is a standard-size rectangular block used in building construction. CMUs are some of the most versatile building products available because of the wide variety of appearances that can be achieved using them.

Recommendation:

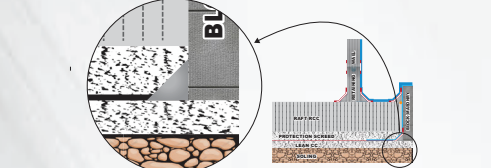
It is highly recommended the level of block masonry should be 6" lower as compare to raft finished level.



STEP # 4.0

LEAN COVING:

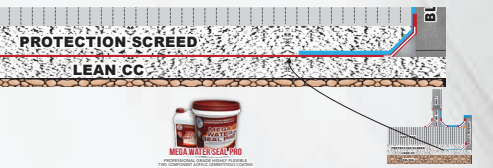
Coving is the technique of installing small barriers lining the edges of a floor where it meets the wall (referred to as covers). Covers are generally rounded 45-degree angles which slope upwards, preventing a hard 90-degree angle where floor and wall meet.



STEP # 5.0

LEAN COATING:

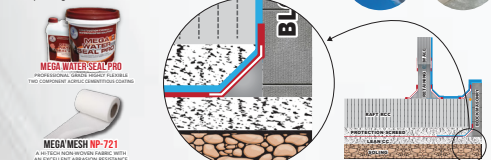
Apply the mixed MEGA WATER SEAL PRO (PROFESSIONAL GRADE HIGHLY FLEXIBLE TWO COMPONENT ACRYLIC CEMENTITIOUS COATING) to the prepared surface of lean and work in thoroughly using a hard broom or a brush. Fully cover the whole surface area with the bonding agent.



STEP # 5.1

LEAN COVING COATING:

MEGA MESH NP-721 (A HI-TECH NON-WOVEN FABRIC WITH AN EXCELLENT ABRASION RESISTANCE) reinforcement 4' 8" / 9' along with base and top coat of MEGA WATER SEAL PRO to ensure critical areas additional strength waterproofing treatment.



STEP # 5.2

MEGA MESH FG-720

MEGA MESH FG-720 (A HI-TECH NON-WOVEN FABRIC WITH AN EXCELLENT ABRASION RESISTANCE) reinforcement 12" / 24" / 36" would be used on construction and expansion joints with base coat of MEGA WATER SEAL PRO and top coat of MEGA WATER GUARD for maximum strength and highly flexible critical areas waterproofing treatment.

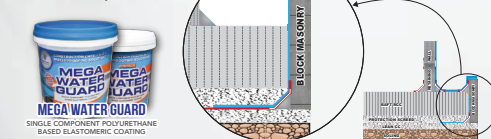


STEP # 6.0

CRITICAL AREA BORDER COATING:

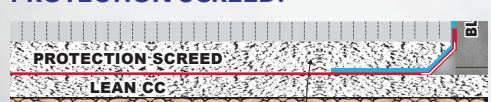
Apply the MEGA WATER GUARD (SINGLE COMPONENT POLYURETHANE BASED ELASTOMERIC COATING) to the surface.

It will start from 5 feet before lean coving and will reach block masonry.

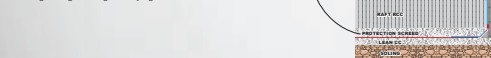


STEP # 7.0

PROTECTION SCREEN:



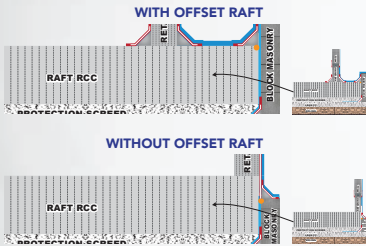
Protecting screens from direct traffic and impact until they dry properly and develop adequate strength is as important as ensuring the right curing and drying conditions.



STEP # 8.0

RAFT:

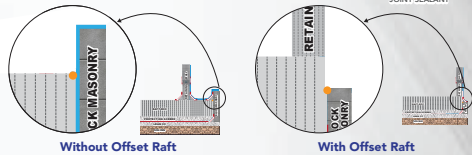
Raft foundations are a type of foundation with high integrity in which four foundation piers are connected together using a large foundation slab to form a massive structure and the foundation piers are connected through beams.



STEP # 9.0

GAP FILLING BETWEEN RAFT AND BLOCK MASONRY :

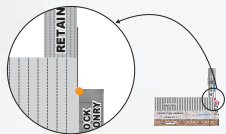
Fill the gap between raft and block masonry for higher bonding with **MEGA MAX BOND**.



STEP # 9.1

COATING OVER THE JOINED OF RAFT AND RETAINING WALL:

MEGA MESH FG-720 (HIGHLY VERSATILE GLASS FIBRE MESH FOR EXCELLENT BOND & REINFORCEMENT) reinforcement 12" along with base and top coat of **MEGA WATER SEAL PRO** to ensure critical areas additional strength waterproofing treatment.

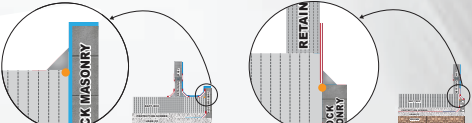


With Offset Raft

STEP # 9.2

COVING (AFTER CURING PERIOD OF MAX BOND):

Coving is the technique of installing small barriers lining the edges of a floor where it meets the wall (referred to as coves). Coves are generally rounded 45-degree angles which slope upwards, preventing a hard 90-degree angle where floor and wall meet.



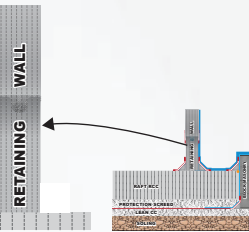
Without Offset Raft

With Offset Raft

STEP # 10.0

RETAINING WALL:

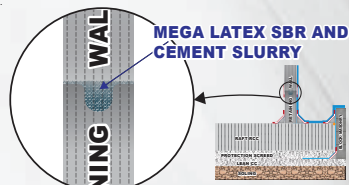
Retaining walls are relatively rigid walls used for supporting soil laterally so that it can be retained at different levels on the two sides. Retaining walls are structures designed to restrain soil to a slope that it would not naturally keep to (typically a steep, near-vertical or vertical slope). They are used to bound soils between two different elevations often in areas of terrain possessing undesirable slopes or in areas where the landscape needs to be shaped severely and engineered for more specific purposes like hillside farming or roadway overpasses.



STEP # 11.0

JOINING RETAINING WALL:

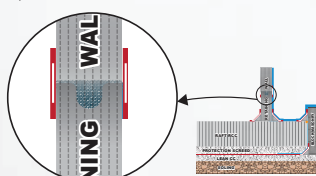
Use **MAGE LATEX SBR** (STYRENE BUTADIENE RUBBER LIQUID AD MIXTURE & BONDING AGENT) to make retaining wall joined strong.



STEP # 12.0

OUTER SIDE JOINED RETAINING WALL:

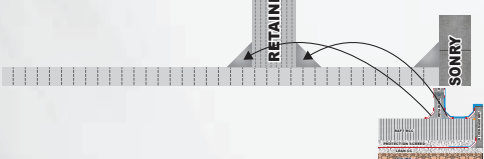
MEGA MESH NP-721 (A HI-TECH NON-WOVEN FABRIC WITH AN EXCELLENT ABRASION RESISTANCE) reinforcement 4" / 6" / 8" along with base and top coat of **MEGA WATER SEAL PRO** to ensure critical areas additional strength waterproofing treatment.



STEP # 13.0

RAFT & RETAINING WALL COVING:

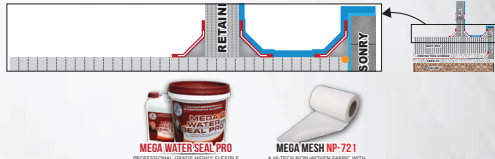
Coving is the technique of installing small barriers lining the edges of a floor where it meets the wall (referred to as coves). Coves are generally rounded 45-degree angles which slope upwards, preventing a hard 90-degree angle where floor and wall meet.



STEP # 14.0

COVING COATING:

MEGA MESH NP-721 (A HI-TECH NON-WOVEN FABRIC WITH AN EXCELLENT ABRASION RESISTANCE) reinforcement 4" / 6" / 8" along with base and top coat of **MEGA WATER SEAL PRO** to ensure critical areas additional strength waterproofing treatment.



STEP # 15.0

RETAINING WALL COATING:

Apply the **MEGA WATER GUARD** (SINGLE COMPONENT POLYURETHANE BASED ELASTOMERIC COATING) to the surface of raft & retaining wall.

