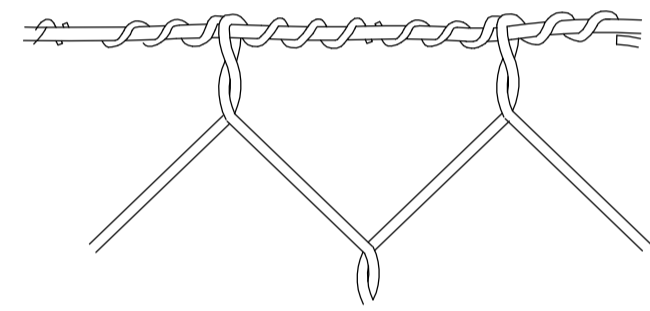
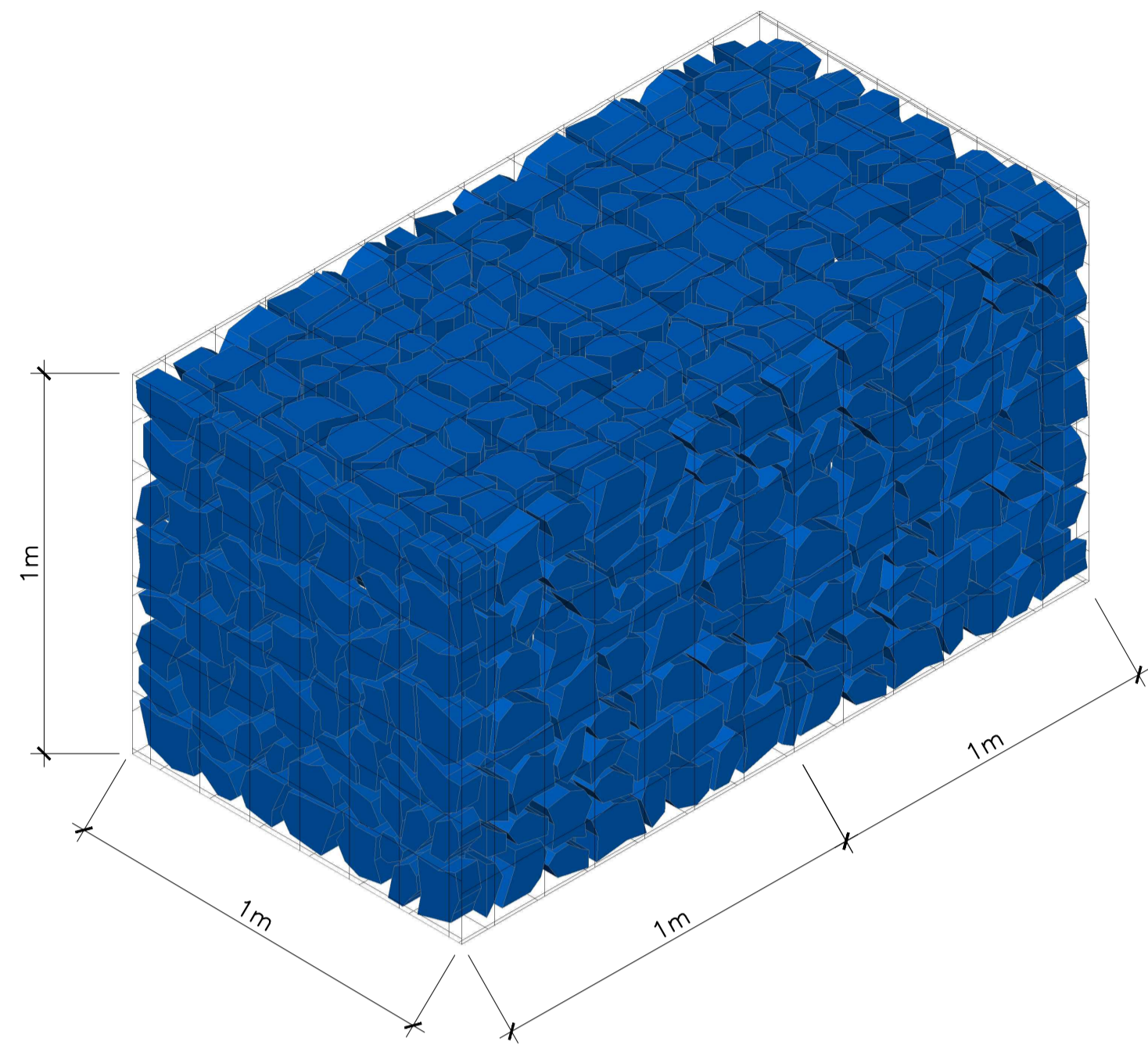
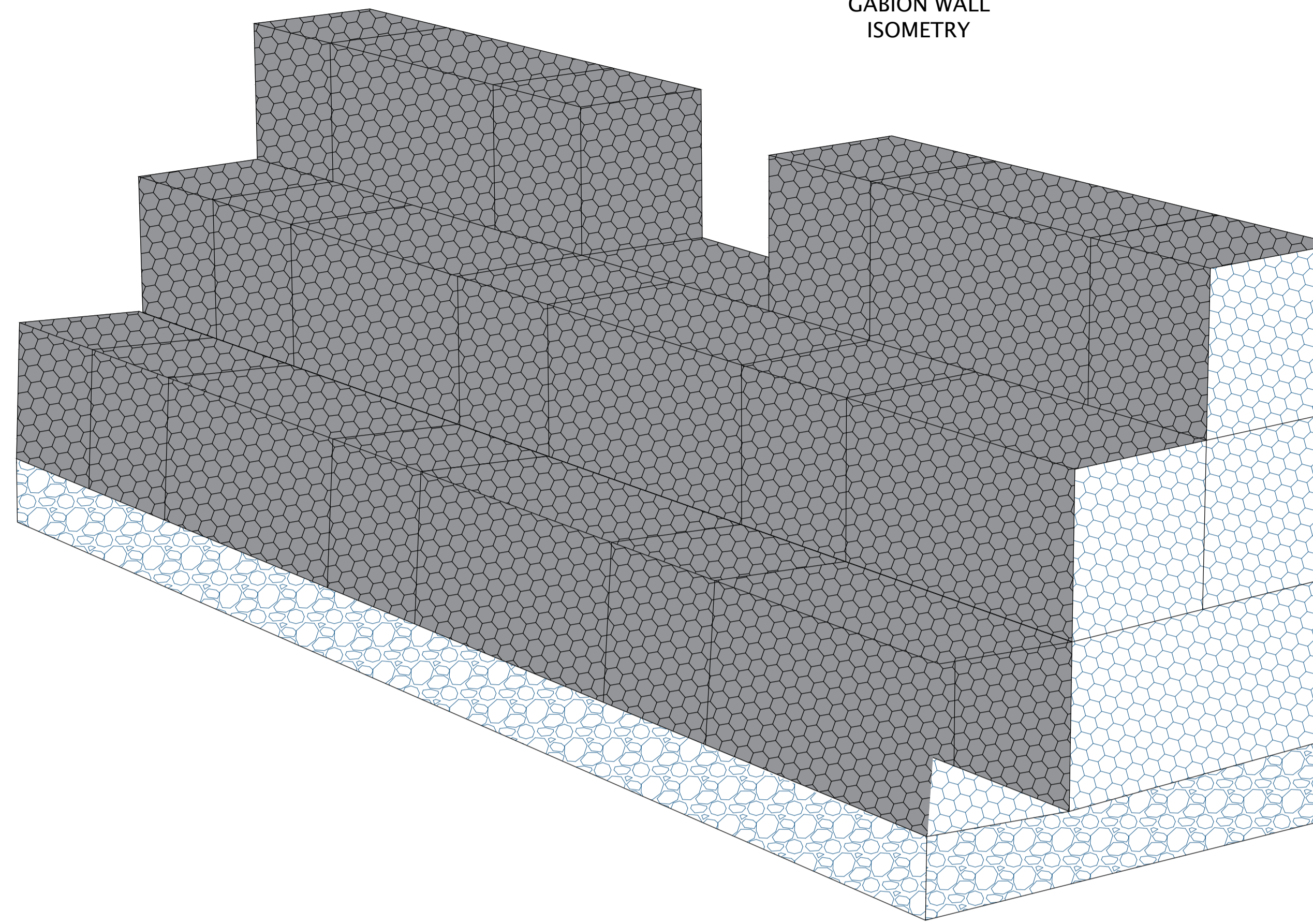


3D BOX WALL GABIONS

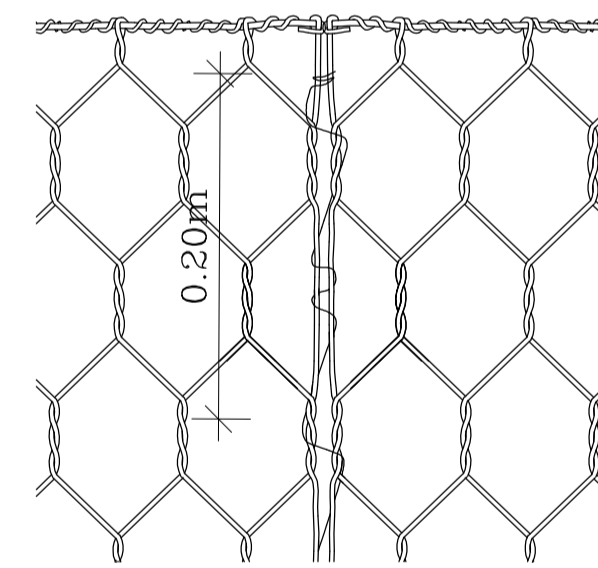


DETAIL OF THE MECHANICAL UNION OF THE MESH WITH THE EDGE WIRE

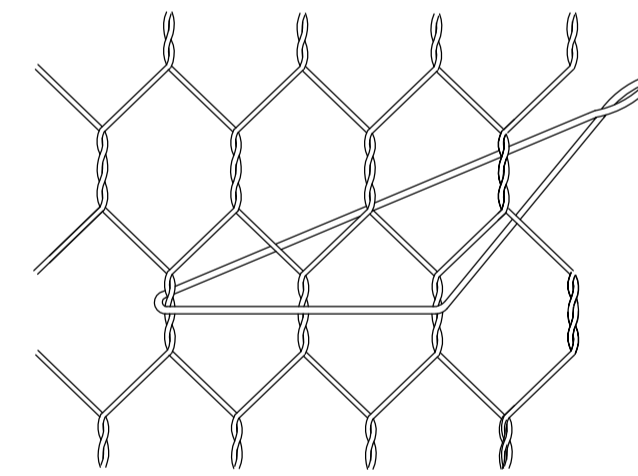
GABION WALL ISOMETRY



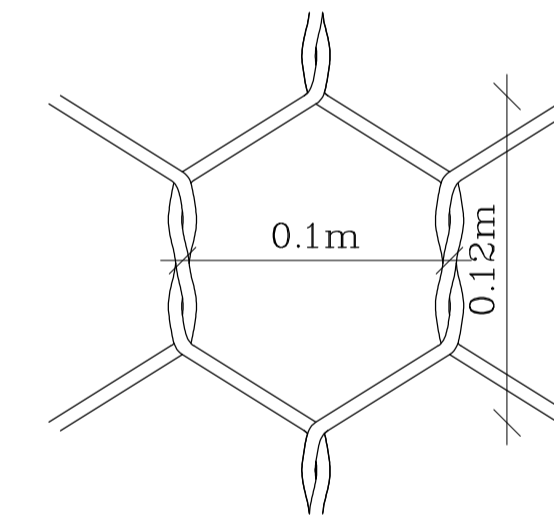
DETAIL OF SEWING



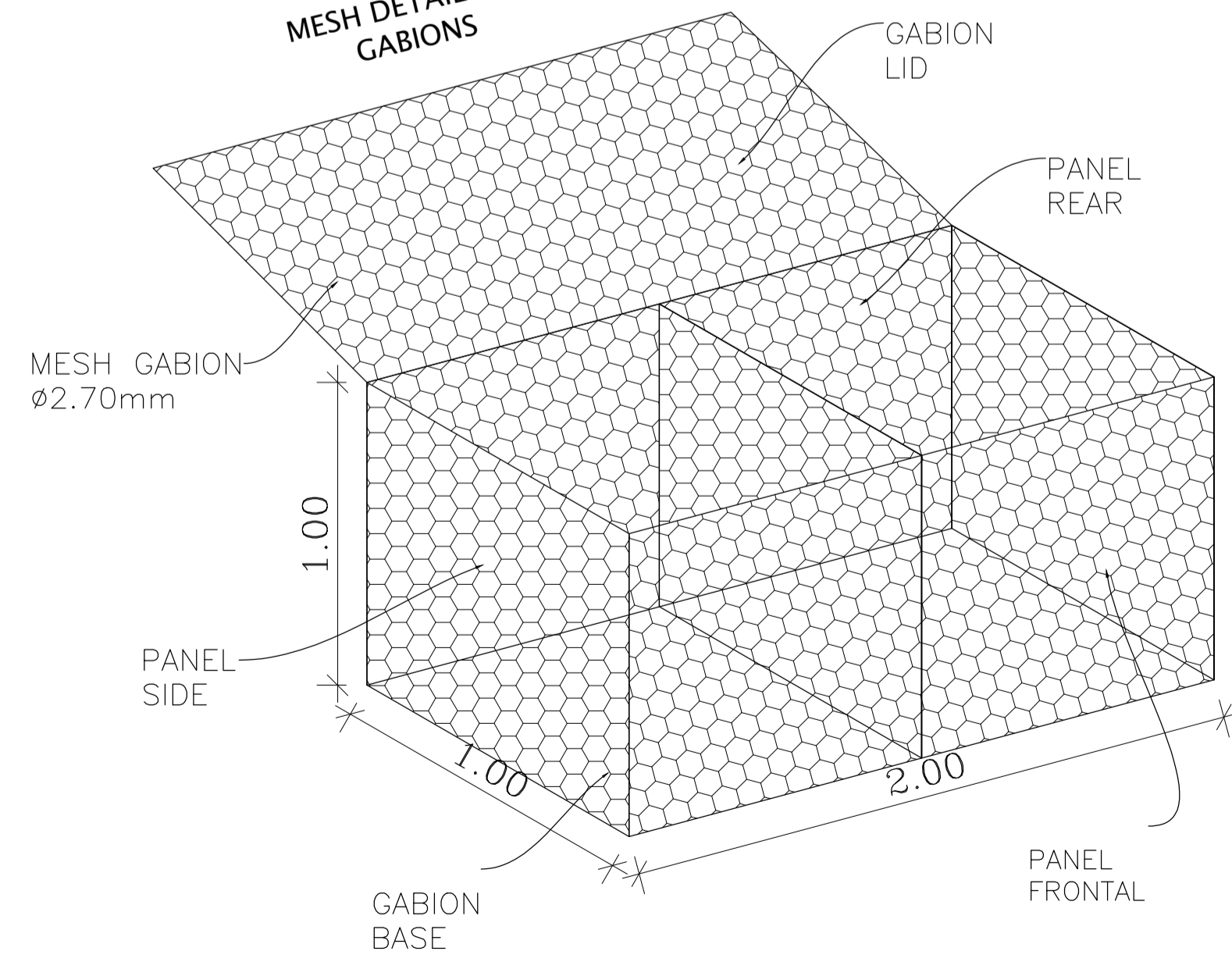
DETAIL OF THE TENSOR



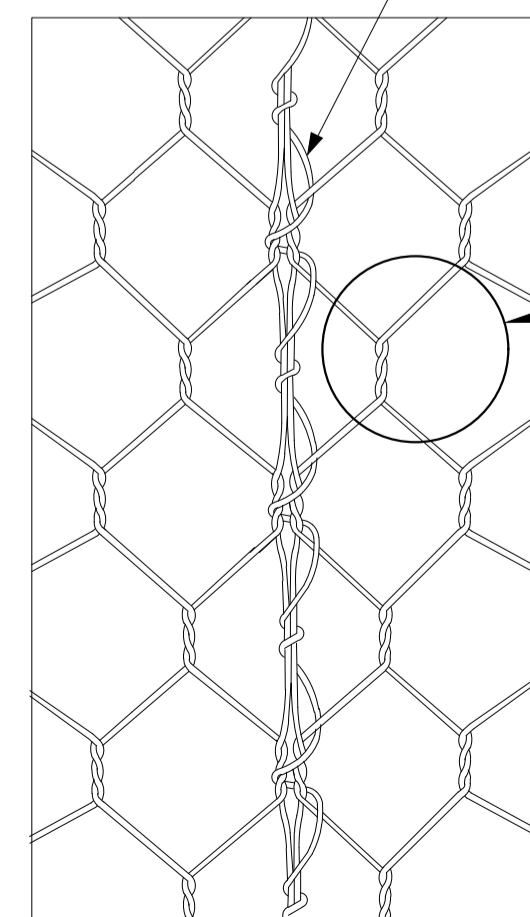
MESH DETAIL FOR GABION WALL



MESH DETAIL FOR GABIONS



TIE WIRE



OPENING OF 10x12cm AND 2.70mm. BREAKING THICKNESS GREATER THAN 5000 Kg./m. COATING: ZINC + ALUMINUM

NOTE: THE TIE WIRE MAKES A DOUBLE TURN EVERY TWO PICKS OF MESH

MOORING DETAIL OF GABIONS

TECHNICAL SPECIFICATIONS

- GABIONS BOX SELECTED MATERIAL = P.G. Ø6" TO 8" BOX OF 2.00x1.00x1.00 m
- BOX MESH TYPE AND SPECIFICATIONS =Double Twist (ASTM A975-97) Hex. 10x12cm

NOTES:

1-THE GABIONS TO BE USED WILL BE MACCAFERRI TYPE OR SIMILAR AND MUST MEET THE FOLLOWING MINIMUM SPECIFICATIONS:
 -SAFE OR TYPE 1 GABIONS WILL HAVE DIMENSIONS OF 1.00 X 1.00 X 2.00M WITH LENGTH ACCORDING TO THE CORRESPONDING LEVEL AND WILL BE MADE OF DOUBLE TWIST HEXAGONAL MESH, TYPE 10X12, FROM STYLE 2 COATED WIRES, IN ACCORDANCE WITH NTC 5333, IN THE DIAMETER OF 2.70MM FOR THE PANELS THAT MAKE UP THE BASE AND REAR WALL AND A DIAMETER OF 3.40MM FOR THE PANELS THAT MAKE UP THE FRONT WALL, TOP COVER AND ONE OF THE SIDE WALLS. THE SAFE-TYPE GABIONS HAVE DIAPHRAGMS INSERTED METER BY METER DURING THE MANUFACTURING PROCESS AND ARE ACCOMPANIED BY WIRE OF THE SAME TYPE, FOR MOORING AND GUYING OPERATIONS, WITH A DIAMETER OF 2.20 MM AND IN THE PROPORTION OF 9% ON THE WEIGHT OF GABIONS WITH 1.00 M HEIGHT.

2-THE NONWOVEN GEOTEXTILE TO BE USED WILL BE TYPE NT-3000 PAVCO OR SIMILAR AND MUST MEET THE FOLLOWING MINIMUM SPECIFICATIONS: * MINIMUM TENSILE STRENGTH 800 N (180 LB). * MINIMUM PUNCHING RESISTANCE 460 N (103 LB). * TRAPEZOIDAL TEAR RESISTANCE 320 N (72 LB). * APPARENT OPENING SIZE 0.15 MM. * MINIMUM THICKNESS 2.20 MM. * PERMEABILITY 40 X 10 CM/S.

3-THE GABIONS WILL BE BURIED AT THE PROJECTED LEVEL IN PROFILES, TO WHICH THE GEOMATS MUST BE ANCHORED THROUGH STYLE 2 WIRE WITH A DIAMETER OF 2.20 MM.

REV.	DATE	DRAWN BY	CHECKED BY	APPROVED BY	MODIFICATION	STATUS

AL MURUNAH PROJECT
 Building Climate Resilience Through
 Enhanced Water Security in MENA

Resilient Nature-Based Water Solutions
 (RNBWS) In Ras Baalbek And Qa'a

SECTION A-A - LOCATION 3
 DETAILS FOR GALVANIZED GABION WIRE MESH WALL
 HEXAGONAL GABION BASKET WALL GABION



SCALE: N.T.S. DATE: APRIL 2024

PROJECT N°: P04155 DWG N°: RAS-RNBWS-L03-GL-015 REV. A