

SCOURLOK AND PYRAWALL GENERAL INSTALLATION GUIDELINES

GENERAL NOTES

1. SCOURLOK® Engineered Bank Stabilization provides a durable, geotechnically stable structure that provides immediate erosion protection and long-term vegetative cover if desired. SCOURLOK is constructed of rigid cells armored with PYRAMAT® 75 High Performance Turf Reinforcement Mat (HPTRM) and internally lined with GEOTEX® 601 nonwoven geotextile. PYRAMAT is fastened to the rigid cells to provide a flexible exterior, control erosion, and improve system durability and forms pockets that can be filled with organic growth media to promote and sustain vegetation. The durable geotextile lining allows the rigid cell to be filled with earth, sand, gravel, crushed rock and other granular material.
2. PYRAWALL® is a reinforced-earth wall and /or steepened slope system that provides permanent erosion protection from initial construction. The expected design life of PYRAWALL is up to 75 years because of its superior UV resistance, strength, and durability due to its components which are environmentally inert and do not corrode. PYRAWALL is an Engineered Wrap-Face Vegetated Solution consisting of two components: PYRAMAT® 75 High Performance Turf Reinforcement Mat (HPTRM) and Fiber-composite internal bracing.
 - 2.1. PYRAMAT 75 HPTRM is a three-dimensional, lofty, woven polypropylene geotextile that is available in green or tan which is specially designed for erosion control applications on steep slopes and vegetated waterways. The matrix is composed of polypropylene monofilament yarns featuring X3® technology woven into a uniform configuration of resilient pyramid-like projections. The material exhibits very high interlock and reinforcement capacity with both soil and root systems, demonstrates superior UV resistance, and enhances seeding emergence.
 - 2.2. The Fiber-composite internal braces are designed to integrate with PYRAMAT 75 HPTRM and provide internal structure during construction to facilitate the layout and backfilling of the lifts.

CONSTRUCTION NOTES

3. Foundation Soil: Material to be approved by Engineer of Record. Deleterious material (overly wet soil, uncontrolled loose fill, construction debris, organics, etc.) encountered during excavation shall be over-excavated, removed, and replaced with compacted granular fill or approved backfill soil. Compact the subgrade as specified by Engineer of Record.
4. Backfill Soil: Material to be approved by Engineer of Record. Place backfill in 7 to 8 inch (17 to 20 cm) thick loose lifts to the specified modified Proctor dry density per the Engineer's recommendation, but never less than 85% of the maximum dry density per ASTM 1557. Place a second lift of backfill soil along the backfill zone and compact it to bring the total height up to 12 inches (30 cm) and even with the top of the internal braces.

VEGETATION ESTABLISHMENT

5. Apply topsoil and seed within the SCOURLOK pocket and directly behind the PYRAWALL face. Select and apply soil amendments and fertilizer as needed. A site specific soil test should be performed to help determine what soil amendments, such as lime and fertilizer, need to be incorporated into the soil to promote healthy vegetation.
6. If desired, additional seeding can be achieved post-construction by hydroseeding the completed PYRAWALL and SCOURLOK.
7. Irrigate as necessary to establish and maintain vegetation. Frequent, light irrigation will need to be applied to seeded areas if natural rain events have not occurred within two weeks of seeding.

BEFORE INSTALLATION BEGINS

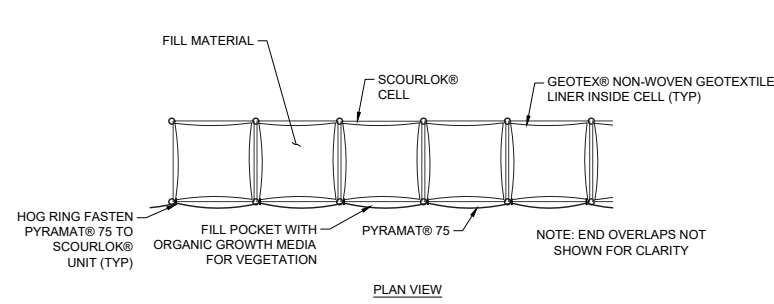
8. Coordinate with a Solmax Representative: A pre-construction meeting is suggested with the construction team and a representative from Solmax. This meeting should be scheduled by the contractor with at least a two week notice.
9. Gather the Tools Needed: Tools that you will need to install SCOURLOK and PYRAWALL include a pair of industrial shears to cut PYRAMAT 75, Small bolt cutters, tape measure, equipment for soil compaction, and equipment for vegetation establishment.
10. Determine how to Establish Vegetation: The method of vegetation establishment should be determined prior to the start of installation. Different vegetation establishment methods require different orders of installation. Refer to Vegetation Establishment for further guidance.
11. Please consult the Solmax Website for the most up to date installation guidelines.



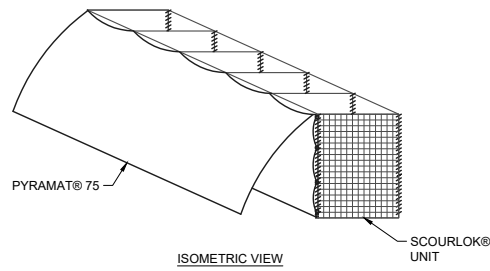
NOTE: THE STANDARD DETAILS ILLUSTRATED IN THESE DRAWINGS ARE FOR INFORMATION AND EVALUATION PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION. PROJECT SPECIFIC CALCULATIONS, SHOP DRAWINGS AND SPECIFICATIONS, SIGNED AND SEALED BY A REGISTERED LICENSED ENGINEER, ARE REQUIRED FOR CONSTRUCTION.

CONCEPTUAL INSTALLATION DETAILS

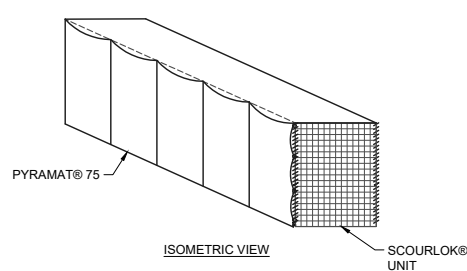
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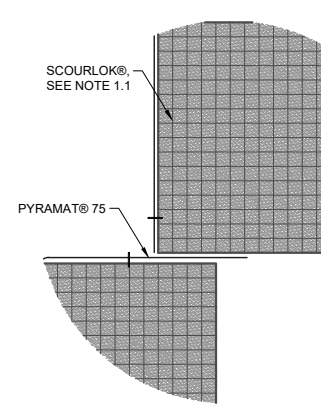
PLAN VIEW



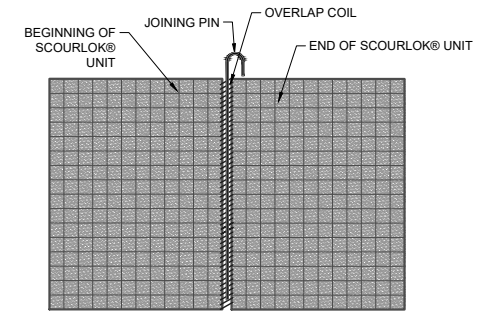
ISOMETRIC VIEW



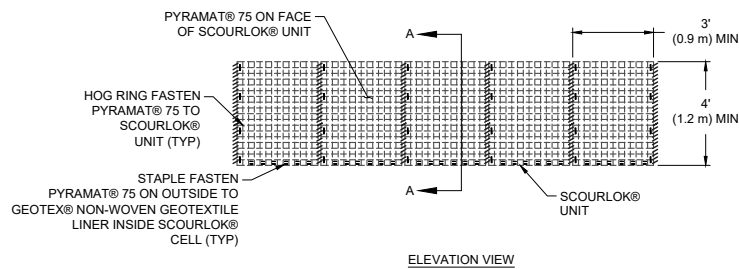
ISOMETRIC VIEW



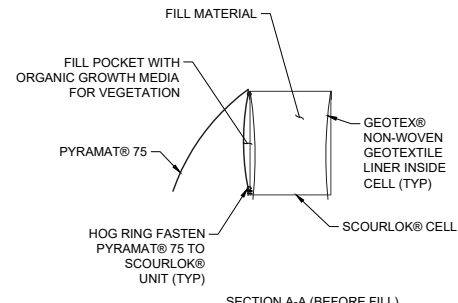
DETAIL 1: SCOURLOK TIER PLACEMENT



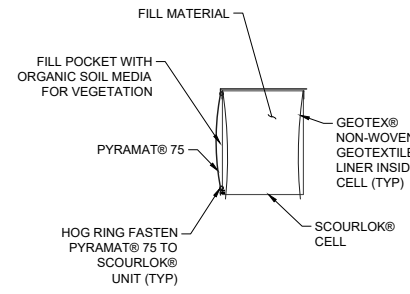
DETAIL 2: CONNECTING SCOURLOK UNITS



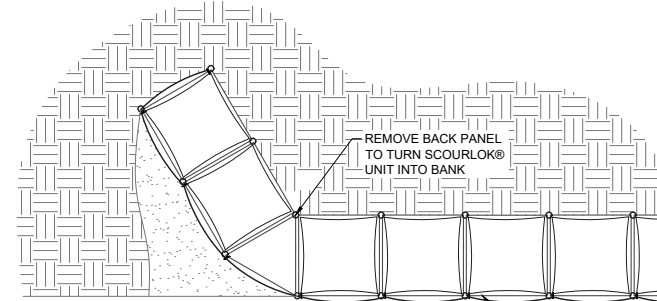
ELEVATION VIEW



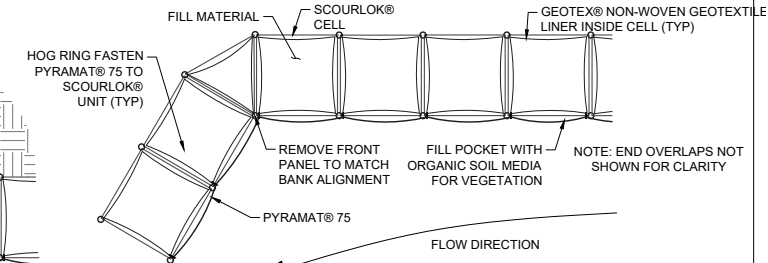
SECTION A-A (BEFORE FILL)



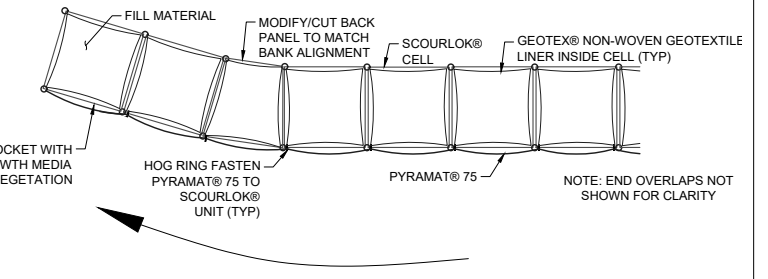
SECTION A-A (AFTER FILL)



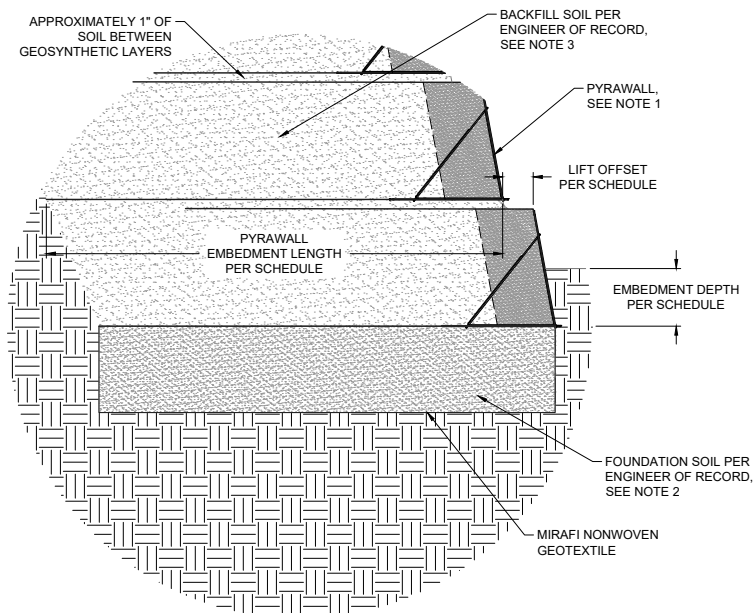
PLAN VIEW: SCOURLOK END TERMINATION



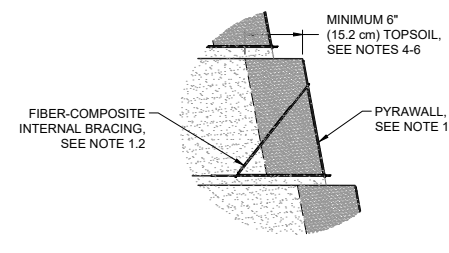
PLAN VIEW: CONCAVE CURVE



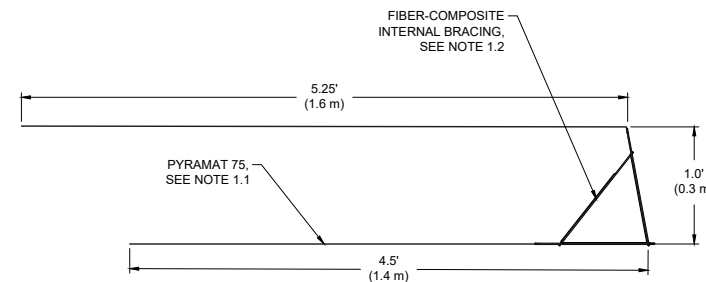
PLAN VIEW: CONVEX CURVE



DETAIL 1: PYRAWALL FOUNDATION

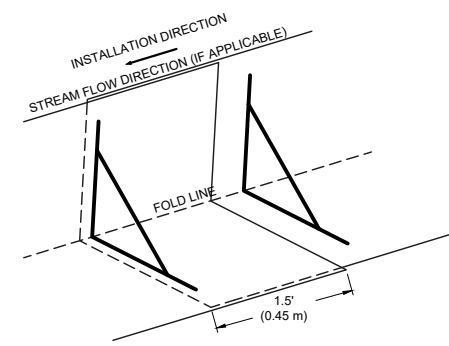


DETAIL 2: PYRAWALL VEGETATION ESTABLISHMENT

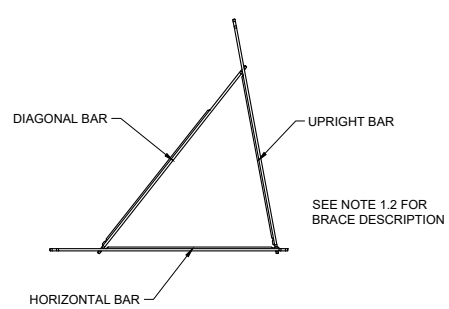


DETAIL 3: TYPICAL LIFT

PYRAWALL CONSTRUCTION INFORMATION	
LIFT OFFSET	PER DESIGN
PYRAWALL EMBEDMENT LENGTH	4.5 FT MIN
INTERNAL BRACING HORIZONTAL SPACING	2 FT MAX
MIRAGRID LENGTH	10 FT
MIRAGRID VERTICAL SPACING	2 FT



DETAIL 7: PYRAWALL OVERLAP



DETAIL 6: INTERNAL BRACE

SCOURLOK ALIGNMENT SCHEDULE	
SCOURLOK OFFSET DISTANCE	1.5 ft
SCOURLOK EMBEDMENT DEPTH	2 ft MIN
LEVELING COURSE DEPTH	0.5 ft MIN

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