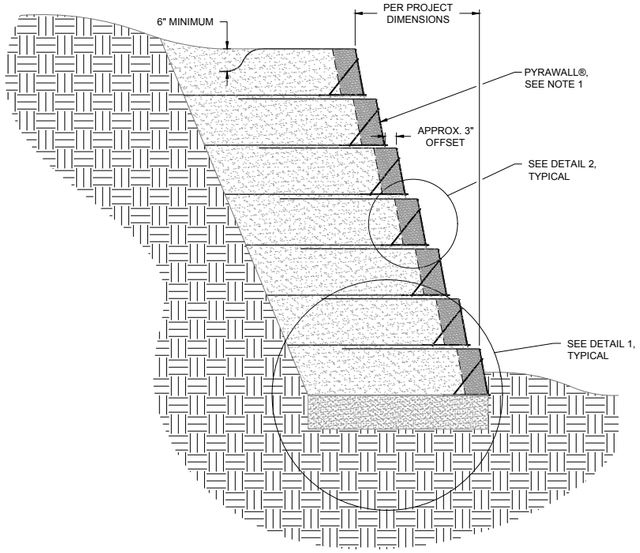
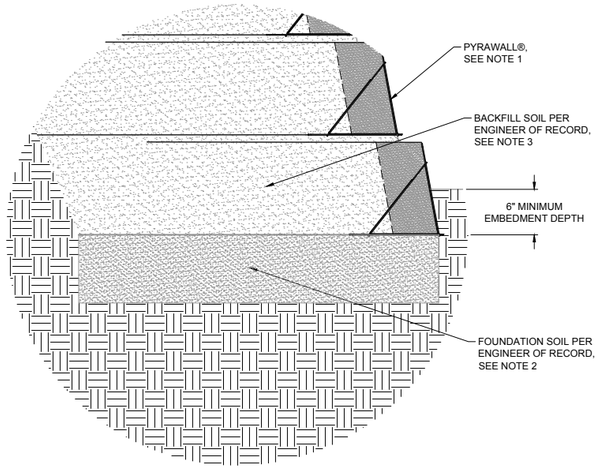
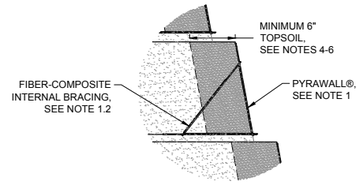


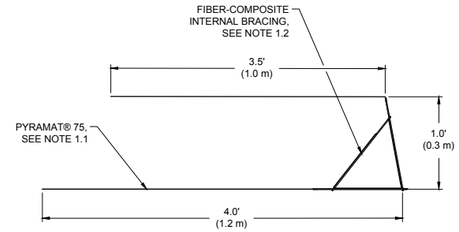
ELEVATION 1: INSTALLATION OF PYRAWALL®



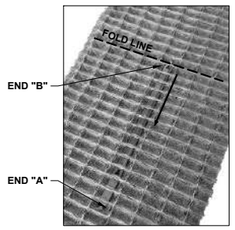
DETAIL 1: PYRAWALL® FOUNDATION



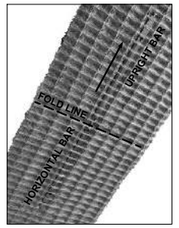
DETAIL 2: PYRAWALL® VEGETATION ESTABLISHMENT



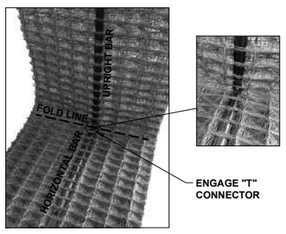
DETAIL 3: TYPICAL LIFT



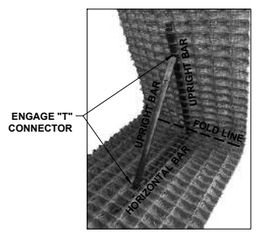
STEP 1: INSERT END "A" OF HORIZONTAL BAR THROUGH PYRAMIDAL THREADS STARTING AT FOLD LINE



STEP 2: INSERT END "A" OF UPRIGHT BAR THROUGH PYRAMIDAL THREADS STARTING AT FOLD LINE

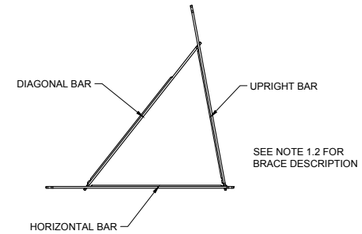


STEP 3: FOLD PYRAMAT UPRIGHT AND USE "T" CONNECTOR TO ENGAGE END "B" OF UPRIGHT BAR INTO END "B" OF HORIZONTAL BAR

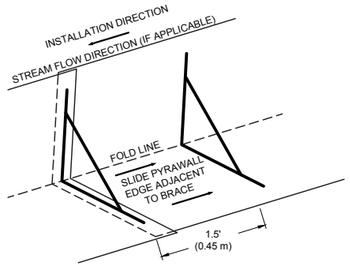


STEP 4: ENGAGE "T" CONNECTOR OF DIAGONAL BAR INTO "T" SLOT

DETAIL 4: INDIVIDUAL FIBER-COMPOSITE BRACING BAR



DETAIL 5: INTERNAL BRACE



DETAIL 6: PYRAWALL OVERLAP

PYRAWALL® GENERAL INSTALLATION GUIDELINES

GENERAL NOTES

1. 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.
   - 1.1. 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 seedling emergence.
   - 1.2. 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

2. 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.
3. 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 at least 95 percent of the specified modified Procter dry density. 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

4. Apply topsoil and seed 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.
5. If desired, additional seeding can be achieved post-construction by hydroseeding the completed PYRAWALL.
6. 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

7. Coordinate with a Propex Representative: A pre-construction meeting is suggested with the construction team and a representative from Propex. This meeting should be scheduled by the contractor with at least a two week notice.
8. Gather the Tools Needed: Tools that you will need to install PYRAWALL include a pair of industrial shears to cut PYRAMAT 75, tape measure, equipment for soil compaction, and equipment for vegetation establishment.
9. 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.
10. Please consult the Propex Website for the most up to date installation guidelines.

Propex GEOSOLUTIONS

EROSION CONTROL INSTALLATION DETAILS

△	1 of 1	PYRAWALL®	PYRAWALL® INSTALLATION DETAILS	
△				
△				
Rev		Date: 12/18/2017	Drawn By: D. LOIZEAUX	Scale: NTS

*ALL DIMENSIONS ARE TO BE VERIFIED BY ENGINEER OF RECORD