



**SPECIFICATION CLAUSE**

**SYSTEM 3000**

GENERAL

THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE SYSTEM 3000 CHANNEL SYSTEM AS MANUFACTURED BY ACO, INC.

MATERIALS

CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:

COMPRESSIVE STRENGTH:	14,000 PSI
FLEXURAL STRENGTH:	4,000 PSI
TENSILE STRENGTH:	1,500 PSI
WATER ABSORPTION:	0.07%
FROST PROOF	YES
DILUTE ACID AND ALKALI RESISTANT	YES
B117 SALT SPRAY TEST COMPLIANT	YES

THE SYSTEM SHALL BE 4.25" (108mm) NOMINAL INTERNAL WIDTH AND A 5.7" (145mm) OVERALL WIDTH. THE CHANNEL SHALL BE 5.7" (145mm) IN OVERALL DEPTH. THE MINIMUM SLOT DIMENSION SHALL BE 0.625" (15mm). ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO, INC.

THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. REFER TO ARCHITECT'S PLANS FOR TRENCH AND CATCH BASIN LOCATION.

**NOTES:**

1. IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS. *ENGINEERING ADVICE MAY BE REQUIRED.*
2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. *ENGINEERING ADVICE MAY BE REQUIRED.*
4. REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

S3000-FCGN



DATE: 12/03/13

**SYSTEM 3000:**  
Full Concrete, Grass & Non-Porous Synthetic Surface

**INSTALLATION DRAWING - ACO SPORT**

**ACO, Inc.**

825 W. Beechcraft St  
Casa Grande, AZ 85122  
Tel: 520-421-9988  
Fax: 520-421-9899

9470 Pinecone Drive  
Mentor, OH 44060  
Tel: (440) 639-7230  
Fax: (440) 639-7235

4211 Pleasant Rd.  
Fort Mill, SC 29708  
Tel: 800-543-4764  
Fax: 803-802-1063