NOTES:
1. Specific site conditions may require an increase in concrete encasement dimensions and/or reinforcement. It is the customer’s responsibility to ensure the concrete encasement is designed for the application. A minimum concrete strength of 25MPa is recommended. The concrete should be vibrated to eliminate air pockets. Engineering advice may be required.
2. The finished level of the concrete must be approximately 3mm above the top of the channel edge.
3. The pavers must be installed flush with the top of the concrete encasement.
4. For further details, refer to ACO’s design & site installation files at www.acodrain.com.au/resources

SPECIFICATION CLAUSE
SLABDRAIN H100K - LOAD CLASS C-D

GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE ACO’s SLABDRAIN H100K POLYMER CONCRETE SHALLOW CHANNEL SYSTEM WITH GALVANISED STEEL EDGE RAILS AS MANUFACTURED BY ACO.

MATERIALS
H109K CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH INTEGRALLY CAST-IN GALVANISED STEEL EDGE RAILS. PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS WITH SUPPORTING DOCUMENTATION:

- **Compressive Strength**: 98 MPa
- **Flexural Strength**: 26 MPa
- **Tensile Strength**: 14 MPa
- **Water Absorption**: 0.07% (based on 14 days)
- **Frost Proof**: YES
- **Coefficient of Expansion/Contraction**: $2.02 \times 10^{-5} /°C$
- **Water Vapour Transmission**: 0.0364g/m²
- **Non Flammable**: YES
- **Coefficient of Roughness (Mannings)**: n=0.011
- **Resistant to Weathering**: YES
- **Dilute Acid and Alkali Resistant**: YES
- **SF Sealant Groove**: YES

CHANNELS
H109K CHANNELS SHALL BE 100mm NOMINAL INTERNAL WIDTH WITH AN OVERALL WIDTH OF 130mm. CHANNELS SHALL HAVE AN OVERALL DEPTH OF 80mm/100mm* FOR USE IN AREAS WITH DEPTH RESTRICTIONS. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

GRATES
INSERT SPECIFICATION FOR THE SELECTED GRATE. REFER TO THE RELEVANT ACO SPECIFICATION INFORMATION SHEET. CLICK: www.acodrain.com.au/resources

INSTALLATION
THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO AND TO BE INSTALLED FOR ITS INTENDED PURPOSE. ANY DEVIATION OR PARTIAL USE OF THE SPECIFIED SYSTEM AND/OR IMPROPER INSTALLATION WILL VOID ALL WARRANTIES PROVIDED BY ACO.

*DELETE AS APPROPRIATE