

**PLAN** 

Concrete load distribution plate (by others) 6" (150mm) minimum of native Finished road surface; bitumen, concrete, etc. (Surface and -backfill or 3/4" crushed stone at Cover and frame depth to suit engineer's spec) 95% compaction part#314056 Sub base Cover Depth Extension Shaft part#314038 (Refer to chart) SD Access Plate part#314075 → Overflow Outlet (Optional) Infiltration Inlet (location based on usage) 18" (457mm) (location based on usage) 12" (300mm) minimum of native backfill or 3/4" crushed stone at 95% compaction StormBrixx SD Half Unit Side Geotextile fabric (outer) 6oz minimum Panels of tank; part# 314098 **SECTION PROFILE** around entire perimeter of tank (typ for all exterior sides) Undisturbed earth base of excavation 6" (150mm) minimum of native

backfill or 3/4" crushed stone at

95% compaction

**Installation depths of ACO StormBrixx SD** Minimum Installation Location cover depth<sup>(4</sup> ft (m) Non-trafficked areas i.e. landscaping (2) 1.65 (0.5) Parking lots, vehicles up to 5,512lbs gross mass (1) 1.8 (0.55) Parking lots, occasional vehicles greater than 2.0 (0.6) 5,512lbs gross mass (3) Occasional heavy truck traffic up to HS-20 Please consul loading with ACO Maximum cover depth of ACO StormBrixx SD 6.5 (2) Maximum depth to invert of ACO StormBrixx SD 9.56 (2.9) half layer system

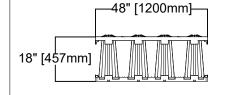
#### Notes

- (1) Assumes 27 degree load distribution through fill material and overlaying surface asphalt or block paving
- (2) Minimum cover depth to avoid accidental damage from gardening/landscaping work
- (3) Occasional sanitation trucks or similar vehicles (typically one per week)
- (4) Please check minimum frost cover depths and water table heights for geographical location

### **ACO StormBrixx SD Half Unit Module**

48"x24"x18" [1200x602.5x457mm (H)] 11.27cuft net volume per module Brick or Cross Bonded (where applicable) **Part Numbers:** 

#### Tank Body-314090 & Top Cover-314094





\*All systems must be designed and installed to meet or exceed ACO StormBrixx minimum requirements. Although ACO StormBrixx offers support during the design, review, and construction phases of the module system, it is the ultimate responsibility of the Engineer of Record to design the system in full compliance with all applicable engineering practices, laws, and regulations.

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# INFILTRATION - STORMBRIXX SD HALF LAYER WITH ACCESS PLATES

INSTALLATION DRAWING - ACO STORMBRIXX SD

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or made ground with a minimum CBR

of 5% and suitable for anticipated load