

WAREHOUSE LOADING AREA STORMWATER SUDS SYSTEM

Location: Padova, Italy

Designer: Studio Anselmi

Total project surface: 8,880 sqyd

Basin surface: 600 sqyd

Water storage capacity: 51,519 gal (USA)

Load type: Cat. 1 (Heavy loads)

Product used: Drening

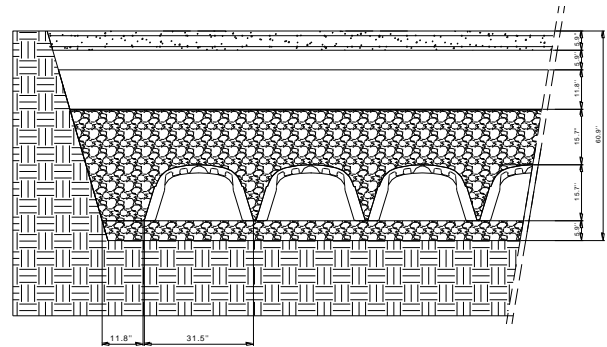


Fig. 1 – system cross-section



Fig. 2
Detail of the water inlet



Fig. 3
Detail of the inspection manhole before the main inlet.



Fig. 4
Gravel backfill



Fig. 5
Finished loading area with R.C. slab

All the stormwater collected from the impervious surfaces of this project (building and loading area) is collected in the SUDS basin created under the loading area. The high compression resistance of Drening, complemented by a slab of R.C. reinforced with two welded meshes, make it possible to store goods and allow the transit of HGVs.