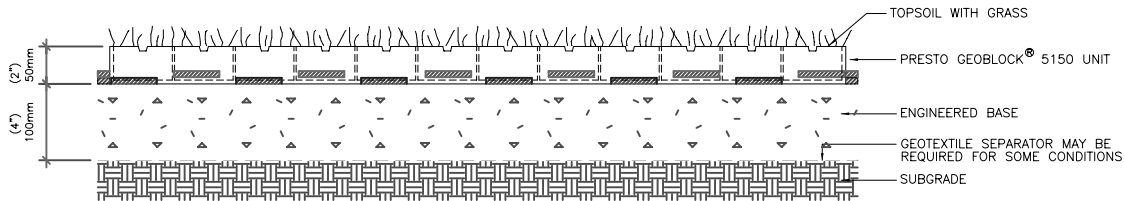
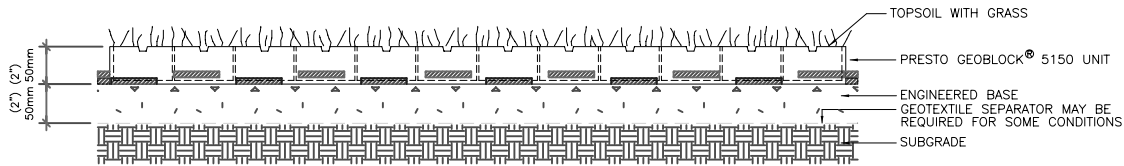


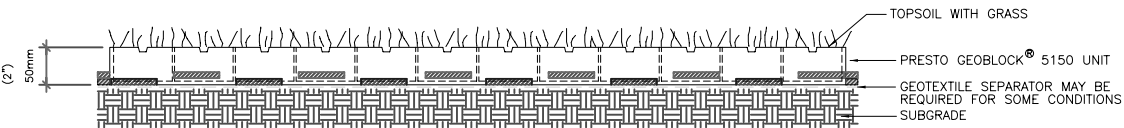
DESIGN 1



DESIGN 2



DESIGN 3



DESIGN 4

- DESIGN 1**
 HEAVY FIRE TRUCK ACCESS & H-20 LOADING, INFREQUENT PASSES
 SINGLE AXLE LOADING - 145 kN (32 KIP)
 TANDEM AXLE LOADING - 220 kN (48 KIP)
 GROSS VEHICLE LOADING - 36.3 TONNE (80,000 lb)
 MAXIMUM TIRE PRESSURE - 758 kPa (110 psi)
 SUBGRADE CBR - 2 TO 4
- DESIGN 2**
 HEAVY FIRE TRUCK ACCESS & H-20 LOADING, INFREQUENT PASSES
 SINGLE AXLE LOADING - 145 kN (32 KIP)
 TANDEM AXLE LOADING - 220 kN (48 KIP)
 GROSS VEHICLE LOADING - 36.3 TONNE (80,000 lb)
 MAXIMUM TIRE PRESSURE - 758 kPa (110 psi)
 SUBGRADE CBR > 4
- DESIGN 3**
 LIGHT FIRE TRUCK ACCESS & H-15 LOADING, INFREQUENT PASSES
 SINGLE AXLE LOADING - 110 kN (24 KIP)
 GROSS VEHICLE LOADING - 27.2 TONNE (60,000 lb)
 MAXIMUM TIRE PRESSURE - 586 kPa (85 psi)
 SUBGRADE CBR > 4
- DESIGN 4**
 LIGHT FIRE TRUCK ACCESS & H-15 LOADING, INFREQUENT PASSES
 SINGLE AXLE LOADING - 110 kN (24 KIP)
 GROSS VEHICLE LOADING - 27.2 TONNE (60,000 lb)
 MAXIMUM TIRE PRESSURE - 586 kPa (85 psi)
 SUBGRADE CBR > 4
- DESIGN 5**
 UTILITY & DELIV. TRUCK ACCESS & H-10 LOADING, INFREQ. PASSES
 SINGLE AXLE LOADING - 75 kN (16 KIP)
 GROSS VEHICLE LOADING - 18.1 TONNE (40,000 lb)
 MAXIMUM TIRE PRESSURE - 414 kPa (60 psi)
 SUBGRADE CBR > 2
- DESIGN 6**
 CAR & PICK-UP TRUCK ACCESS, INFREQUENT PASSES
 SINGLE AXLE LOADING - 18 kN (4 KIP)
 GROSS VEHICLE LOADING - 3.6 TONNE (8,000 lb)
 MAXIMUM TIRE PRESSURE - 310 kPa (45 psi)
 SUBGRADE CBR > 2

NOTES:
 CBR REFERS TO CALIFORNIA BEARING RATIO. AS THE CBR INCREASES THE DEPTH OF THE ENGINEERED BASE WILL DECREASE.
RECOMMENDED TOPSOIL:
 SUITABLE TOPSOIL SHOULD BE PULVERIZED PRIOR TO FILLING THE GEOBLOCK CELLS AND CONTAIN SUFFICIENT ORGANIC CONTENT TO SUPPORT VEGETATIVE GROWTH. TOPSOIL SUCH AS SANDY LOAM IS RECOMMENDED. CLAY AND CLAY LOAM MATERIALS ARE CONSIDERED UNACCEPTABLE.
RECOMMENDED ENGINEERED BASE:
 SUPPORT SOIL SHALL CONSIST OF A HOMOGENOUS MIXTURE CONSISTING OF 1) A CLEAR-STONE/CRUSHED ROCK HAVING AN MSHTO #5 OR SIMILAR DESIGNATION BLENDED WITH 2) PULVERIZED TOPSOIL AND 3) A VOID COMPONENT GENERALLY CONTAINING AIR AND/OR WATER. THIS HOMOGENOUS MIXTURE WILL PROMOTE VEGETATIVE GROWTH AND PROVIDE REQUIRED STRUCTURAL SUPPORT. THE AGGREGATE PORTION SHALL HAVE A PARTICLE RANGE FROM 9.5 MM TO 25 MM (0.375 TO 1.0 IN) WITH A D₅₀ OF 13 MM (0.5 IN). THE PERCENTAGE VOID-SPACE OF THE AGGREGATE PORTION WHEN COMPACTED SHALL BE AT LEAST 30%. THE PULVERIZED TOPSOIL SHALL EQUAL 25% OF THE TOTAL VOLUME AND BE ADDED AND BLENDED TO PRODUCE A HOMOGENOUS MIXTURE PRIOR TO PLACEMENT. ONCE PLACED, THE MIXTURE SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.

GEOBLOCK® 5150 SYSTEM USAGE GUIDELINE

GEOBLOCK® 5150 MATERIAL SPECIFICATION

MATERIAL	UP TO 97% RECYCLED POLYETHYLENE
COLOR	RANGES FROM DARK SHADES OF GRAY TO BLACK SUPERIOR
CHEMICAL RESISTANCE	1.5% - 2.0%
CARBON BLACK FOR ULTRAVIOLET LIGHT STABILIZATION	2,900 kPa (420 psi)
UNIT MINIMUM CRUSH STRENGTH @ 21° C (73° F)	240,000 kPa (35,000 psi)
MATERIAL FLEXURAL MODULUS @ 23° C (73° F)	0.50 m x 1.00 m (20 in x 40 in)
NOMINAL DIMENSIONS (WIDTH x LENGTH)	50 mm (2 in)
NOMINAL UNIT DEPTH	0.50 sq.m (5.38 sq.ft)
NOMINAL COVERAGE AREA	72
CELLS PER UNIT	79 mm x 81 mm (3.1 in x 3.2 in)
CELL SIZE	41%
TOP OPEN AREA PER UNIT	12 TABS PER METER (40 IN)
BOTTOM AREA PER UNIT	4.00 kg (9.0 lbs)
INTERLOCKING OFFSET SHEAR TRANSFER TABS	0.15
NOMINAL WEIGHT PER UNIT	50
RUNOFF COEFFICIENT @ 63.5 mm/hr (2.5 in) RAINFALL	
UNITS PER PALLET	

GEOBLOCK® 5150 MATERIAL SPECIFICATION

PRESTO GEOSYSTEMS®

THE GEOBLOCK® 5150
 POROUS PAVEMENT SYSTEM
 SYSTEM USAGE GUIDELINE

GEOSYSTEMS® AND GEOBLOCK® ARE REGISTERED TRADEMARKS OF PRESTO PRODUCTS COMPANY.

DATE	APRIL, 2008	FILE NAME	GB5150B1.DWG
SCALE	NTS	SHEET	2

