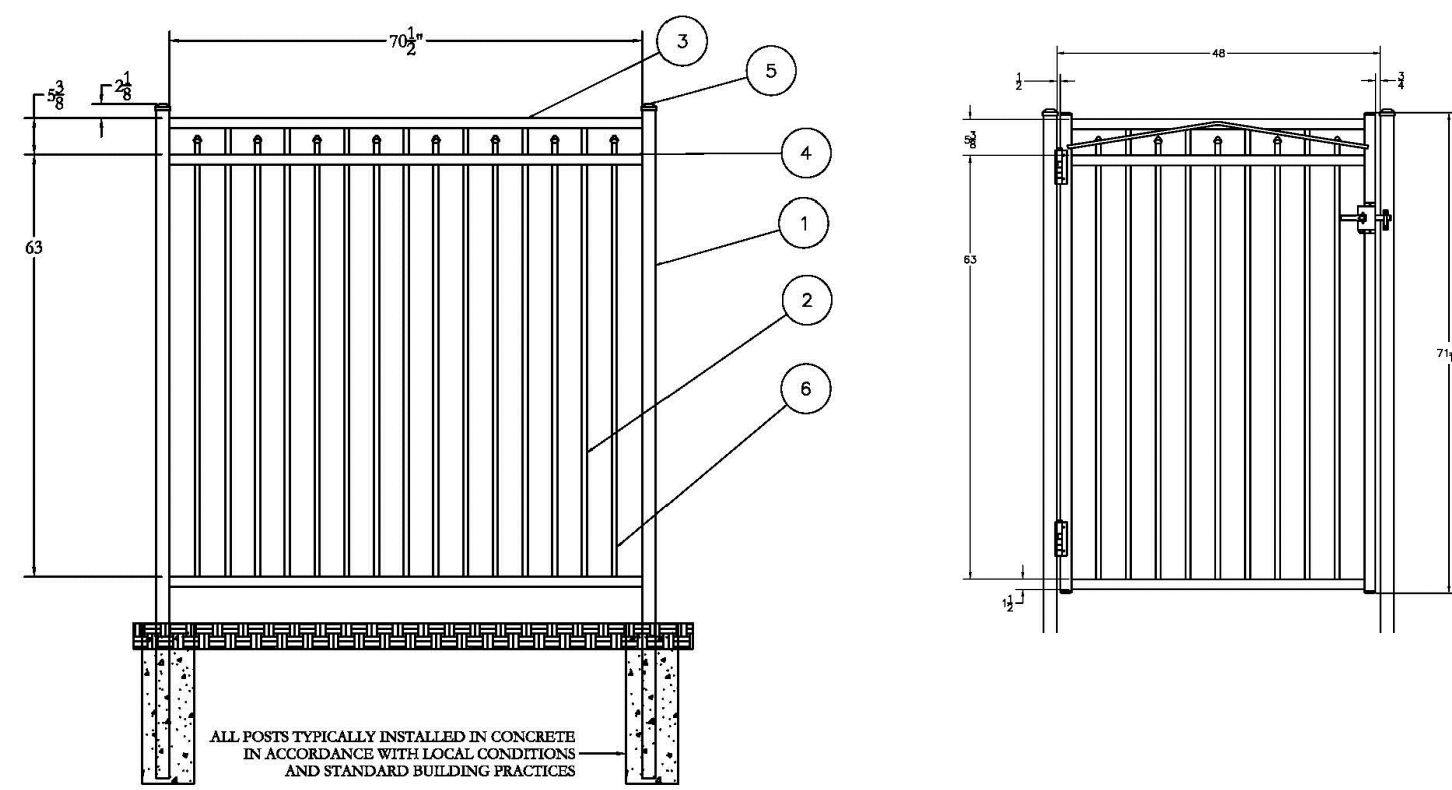


ORNAMENTAL ALUMINUM FENCE AND GATE



ITEMITY	Part#	NAME	DESCRIPTION
1	1204000	1 1/2" POST	1 1/2" POST
2	1204000	1 1/2" POST	1 1/2" POST
3	1204000	1 1/2" POST	1 1/2" POST
4	1204000	1 1/2" POST	1 1/2" POST
5	1204000	1 1/2" POST	1 1/2" POST
6	1204000	1 1/2" POST	1 1/2" POST

ALL POSTS TYPICALLY INSTALLED IN CONCRETE IN ACCORDANCE WITH LOCAL CONDITIONS AND STANDARD BUILDING PRACTICES

J1 ALUMINUM FENCE DETAILS

N.T.S.

J7 NOT USED

N/A

TURFSTONE

Turfstone™ Grid Pavers

INTRODUCTION
Turfstone concrete grid pavers are a "greenspace" pavement with the load capacity and structural performance of high-strength concrete. As a reinforced grass pavement, Turfstone's apertures are filled with topsoil and seeded; for stormwater control, stone is used in the openings. Uses include residential, commercial, municipal, and institutional applications, as well as sport and recreational venues.

COMPOSITION & PERFORMANCE
Turfstone is machine-manufactured under controlled factory conditions using a cement-rich concrete molded with extreme pressure and vibration. Turfstone units offer exceptional strength and durability to withstand New England's harsh winter climate. The flat, lattice-style units form a continuous grid pattern, and when properly installed, provide a pavement surface that is "snow-plow safe."

- Turfstone can be used in the following applications:
- Access lanes for emergency and service vehicles
 - Overflow parking
 - Boat ramps
 - Embankments
 - Streambank revetment
 - Low-flow channels
 - Riparian stabilization for stream banks and lakesides
 - Residential driveways
 - Vegetated swales
 - Stormwater runoff management
 - Golf cart paths
- Turfstone can add stability and reduce excavation depth when used as a base for segmental and free-standing walls.
- Turfstone is capable of supporting H20 loading over a properly designed and compacted base.

PHYSICAL CHARACTERISTICS

Turfstone meets or exceeds North American industry standards, including the requirements of ASTM C 1319 for Concrete Grid Paving Units. Our strict quality control ensures consistent strength and size.

Nominal Size/Coverage
23 1/2" x 15 1/2" = 2.6 sq/ft
Open Area: 40%

Thicknesses
3 1/4" (8cm)
4 1/4" (11cm) Special order

Compressive Strength
5000 psi minimum

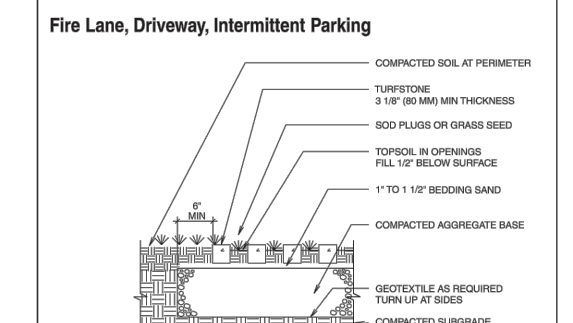
Water Absorption
10 lb/ft² maximum

Freeze Thaw
No effect as demonstrated through proven field performance

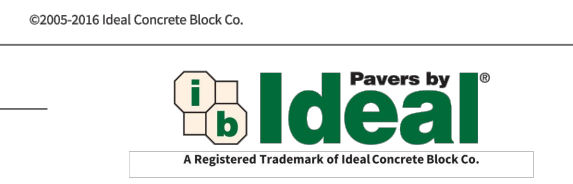
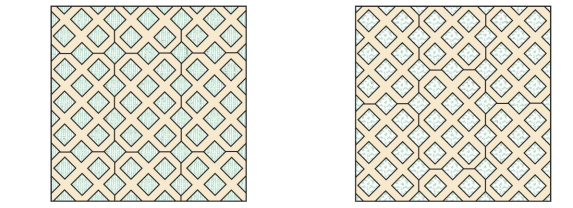
DESIGN, CONSTRUCTION & PATTERNS
Turfstone parking applications can be designed with a dense-graded base, or for infiltration and storage of stormwater, with an open-graded base. Proper design, material selection, and construction of the base are essential to successful performance. For erosion control, Turfstone will be placed directly on graded and compacted soil. The maximum slope for embankment stabilization is 2:1.

Turfstone can be installed in either a stack bond or a running bond with a 3/4 offset. The false joints face up (see picture in upper left margin) and serve as "crack control joints." Occasional cracks from compaction or flexural loads will not compromise performance. Solid pavers can be placed in pavements where a more comfortable surface is desired for pedestrians and individuals using walkers and wheeled mobility devices.

Please see ICP's Tech Spec No. 8 for detailed guidance on design and installation.



See www.IdealConcreteBlock.com for additional Turfstone Cross Sections:
• Slope Protection • Riparian Stabilization • Stream Banks & Lakes
• Stormwater Runoff Control • Ditch Liner for Intermittent Flows
• Boat Ramp



ALLEY PRECEDENTS/EXAMPLES



ARTISANA RETAINING WALL - ANCHOR WALL

ARTISANA WALL SYSTEMS

PRODUCT INFORMATION

Product	6" x 16"	6" x 16"	6" x 10"	6" x 6"
A set of 6" Retaining Wall Units	6" x 16" x 8"	6" x 16" x 8"	6" x 10" x 8"	6" x 6" x 8"
Approximate Dimensions*	6" x 16" x 8"	6" x 16" x 8"	6" x 10" x 8"	6" x 6" x 8"
Approximate Weight*	52 lbs.	52 lbs.	32 lbs.	21 lbs.
Coverage	0.67 sq. ft.	0.67 sq. ft.	0.42 sq. ft.	0.25 sq. ft.
Setback/System Batter	17/9.5"	17/9.5"	17/9.5"	17/9.5"

Product	6" x 16"	3" x 16"	3" x 10"	3" x 6"
A set of 3" Retaining Wall Units	3" x 16" x 7 1/2"	3" x 16" x 7 1/2"	3" x 10" x 7 1/2"	3" x 6" x 7 1/2"
Approximate Dimensions*	3" x 16" x 7 1/2"	3" x 16" x 7 1/2"	3" x 10" x 7 1/2"	3" x 6" x 7 1/2"
Approximate Weight*	24 lbs.	24 lbs.	15 lbs.	9 lbs.
Coverage	0.33 sq. ft.	0.33 sq. ft.	0.21 sq. ft.	0.13 sq. ft.
Setback/System Batter	17/9.5"	17/9.5"	17/9.5"	17/9.5"

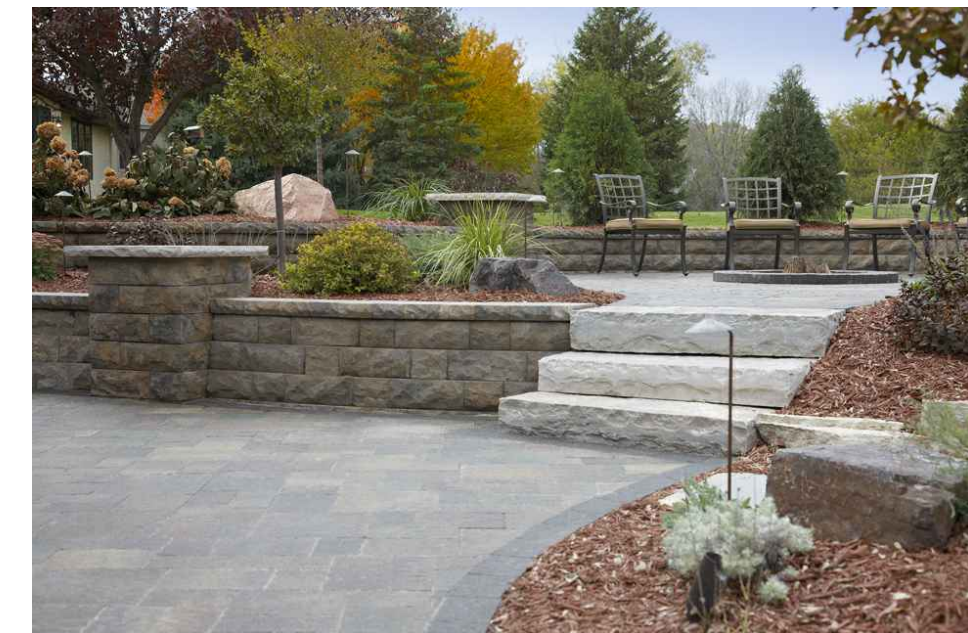
Product	6" x 16"	6" x 16"	6" x 10"	6" x 6"
A set of 6" Freestanding Wall Units	6" x 16" x 5"	6" x 16" x 5"	6" x 10" x 5"	6" x 6" x 5"
Approximate Dimensions*	6" x 16" x 5"	6" x 16" x 5"	6" x 10" x 5"	6" x 6" x 5"
Approximate Weight*	31 lbs.	31 lbs.	20 lbs.	13 lbs.
Coverage	0.67 sq. ft.	0.67 sq. ft.	0.42 sq. ft.	0.25 sq. ft.

Product	3" x 16"	3" x 16"	3" x 10"	3" x 6"
A set of 3" Freestanding Wall Units	3" x 16" x 5"	3" x 16" x 5"	3" x 10" x 5"	3" x 6" x 5"
Approximate Dimensions*	3" x 16" x 5"	3" x 16" x 5"	3" x 10" x 5"	3" x 6" x 5"
Approximate Weight*	16 lbs.	16 lbs.	10 lbs.	6 lbs.
Coverage	0.33 sq. ft.	0.33 sq. ft.	0.21 sq. ft.	0.13 sq. ft.

Accessory Units	Torpedo™ Base Block	Double-Sided Cap	Cap End	Corner/Column	Wall End
Approximate Dimensions*	4" x 15 1/2" x 11"	Front: 3" x 8" x 13 1/2" Back: 3" x 7" x 13 1/2"	3" x 8" x 13 1/2"	6" x 16 1/2" x 8"	6" x 17" x 8"
Approximate Weight*	47 lbs.	22 lbs.	21 lbs.	57 lbs.	36 lbs.
Coverage	1.31 sq. ft.	0.63 sq. ft.	0.67 sq. ft.	-	-

ANCHOR WALL SYSTEMS

ARTISANA WALL EXAMPLE



A1 TURFSTONE NOTES, DETAILS, AND PRECEDENTS

N.T.S.

A11 ARTISANA RETAINING WALL PRODUCT INFORMATION

N/A

29 BLACK POINT ROAD
SCARBOROUGH, MAINE 04074
207-883-6307
WWW.GAWRONTURGEON.COM



cPort Credit Union
35 Middle & 50 India Street
Portland, Maine

REVISIONS

#	DATE	DESCRIPTION
A	04.19.17	HISTORIC PRES. BOARD SUBMITTAL
B	05.30.17	PRELIM. PB SUBMITTAL
C	07.26.17	FINAL PB SUBMITTAL
D	08.04.17	90% PRICING SET
E	09.14.17	PERMIT SET

DATE: 08.04.17

PROJECT #: 010416

DRAWN BY: KD

CHECKED BY: -

DRAWING SCALE: N.T.S.

SHEET TITLE

SITE IMPROVEMENT DETAILS

L102

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