Allan Block – Fence Details

No Wind Fence Wall Section 1

* REFER TO DESIGN DETAILS; ALLAN BLOCK TYPICAL, REINFORCED WALL APPLICATION FOR ALL OTHER NOTES, DETAILS AND SPECIFICATIONS.

COLUMN TUBE OR PVC PIPE TO BE INSTALLED DURING WALL CONSTRUCTION (AFTER WALL CONSTRUCTION, POST FOOTING WILL REQUIRE HAND EXCAVATION AS TO NOT DAMAGE GEOGRID)

CUT OR DISPLACE GEOGRID AROUND COLUMN TUBE OR PVC PIPE

ALLAN BLOCK UNIT

FENCE OR RAILING HEIGHT

CONCRETE POST FOOTING

NON-WIND LOADED FENCE OR RAILING

FILTER FABRIC TO BE PLACED BETWEEN TOPSOIL AND WALL ROCK

POST EMBEDMENT DEPTH

TOP GEOGRID LAYER MUST BE WITHIN THE TOP THREE COURSES, ITS LENGTH MUST CONSIDER THE FENCE STABILITY.

The purpose of this drawing is for preliminary design only. This drawing should not be used for final design or construction without the certification of a professional engineer registered in the state in which the wall will be built. The accuracy and use of details contained in this document are the sole responsibility of the user. The user must verify each detail for accuracy as they pertain to their particular project.

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No Wind Fence Wall Section 2

- Cut geogrid to allow for post

- Install post through block, remove webs of block as necessary

- Core drill capstone to allow for post

- Filter fabric to be placed between topsoil and wall rock

- Post embedment depth

- Top geogrid layer must be within the top three courses, its length must consider the fence stability.

* Refer to design details: Allan block typical reinforced wall application for all other notes, details and specifications.

**No Wind Fence Wall Section 2**

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**Alternate Fence Footing**

* REFER TO DESIGN DETAILS: ALLAN BLOCK
TYPICAL REINFORCED WALL APPLICATION
FOR ALL OTHER NOTES, DETAILS AND
SPECIFICATIONS.

SLEEVE-IT™ FOOTING SYSTEM MUST
BE INSTALLED DURING WALL
CONSTRUCTION (WALL INSTALLER
MUST COORDINATE POST LOCATIONS
WITH FENCE OR RAILING INSTALLER)

CUT OR DISPLACE
GEOMGRID AROUND
SLEEVE-IT™

ALLAN BLOCK UNIT

POST
EMBEDMENT DEPTH

FILTER FABRIC TO BE
PLACED BETWEEN TOPSOIL
AND WALL ROCK

TOP GEOMGRID LAYER
MUST BE WITHIN THE
TOP THREE COURSES.
ITS LENGTH MUST
CONSIDER THE FENCE
STABILITY.

NON-WIND LOADED FENCE OR
RAILING

FENCE OR RAILING HEIGHT

SLEEVE-IT™ FOOTING
SYSTEM INSTALLATION
PER MANUFACTURERS
REQUIREMENTS

FILTER FABRIC TO BE
PLACED BETWEEN TOPSOIL
AND WALL ROCK

TOP GEOMGRID LAYER
MUST BE WITHIN THE
TOP THREE COURSES.
ITS LENGTH MUST
CONSIDER THE FENCE
STABILITY.

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Checked By: [signature]

Scale: NOT TO SCALE

Designed By: [signature]

Title: ALTERNATE FENCE FOOTING

Date: [date]

Project No: [project number]

Drawing No: [drawing number]
Wind Fence Wall Section 1

* REFER TO DESIGN DETAILS: ALLAN BLOCK TYPICAL REINFORCED WALL APPLICATION FOR ALL OTHER NOTES, DETAILS AND SPECIFICATIONS.

* WIND LOADED FENCE DESIGN AND CONSTRUCTION REQUIRES SITE SPECIFIC ANALYSIS FOR EVERY WALL CASE. CONTACT ALLAN BLOCK CORPORATION OR A QUALIFIED LOCAL ENGINEER FOR ASSISTANCE.

COLUMN TUBE OR PVC PIPE TO BE INSTALLED DURING WALL CONSTRUCTION (AFTER WALL CONSTRUCTION, POST FOOTING WILL REQUIRE HAND EXCAVATION AS TO NOT DAMAGE GEOGRID)

CUT OR DISPLACE GEOGRID AROUND COLUMN TUBE OR PVC PIPE

ALLAN BLOCK UNIT

FENCE OR RAILING

CONCRETE POST FOOTING

FILTER FABRIC TO BE PLACED BETWEEN TOPSOIL AND WALL ROCK

POST EMBEDMENT DEPTH

TOP GEOGRID LAYER MUST BE WITHIN THE TOP THREE COURSES. ITS LENGTH MUST CONSIDER THE FENCE STABILITY.

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Designed By: 
Title: 
Date: 

Checked By: 
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Scale: NOT TO SCALE

Project No: 
Drawing No:
Wind Fence Wall Section 2

* REFER TO DESIGN DETAILS: ALLAN BLOCK TYPICAL REINFORCED WALL APPLICATION FOR ALL OTHER NOTES, DETAILS AND SPECIFICATIONS.

FENCE OR RAILING

FILTER FABRIC TO BE PlACED BETWEEN TOPSOIL AND WALL ROCK

COLUMN TUBE OR PVC PIPE TO BE INSTALLED DURING WALL CONSTRUCTION (AFTER WALL CONSTRUCTION POST FOOTING WILL REQUIRE HAND EXCAVATION AS TO NOT DAMAGE GEOGRID)

3 ft (1 m) MIN

CONCRETE POST FOOTING

POST EMBEDMENT DEPTH

CUT OR DISPLACE GEOGRID AROUND COLUMN TUBE OR PVC PIPE

ALLAN BLOCK UNIT

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WIND FENCE WALL SECTION 2

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Title:  

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Scale: NOT TO SCALE

Date:  

Project No:  

Drawing No:
Masonry Parapet Wall Section

- Refer to design details; Allan Block typical reinforced wall application for all other notes, details, and specifications.
- This detail does not account for extreme vehicle impact.
- Masonry parapet design and construction requires site specific analysis for every wall case. Contact Allan Block Corporation or a qualified local engineer for assistance.

**Diagram:**

- Optional hand rail
- V-shaped steel reinforcement as required by design
- 12 in (305 mm) standard double sided split face masonry block
- Horizontal rebar as required by design
- Remove top lip of AB unit with masonry saw or place column just behind top of lip
- Cast in place or precast concrete capstone
- Curb stop
- Pavement surface
- 3 ft (1 m) extension if surface is paved
- 3 in (75 mm) clear
- Filter fabric to be placed between pavement subgrade and wall rock
- Solid grout 3 in (75 mm) minimum above and below rebar in between vertical steel location
- Cut notch in block sides to allow for rebar placement
- Allan block unit

**Masonry Parapet Wall Section**

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- Pavement subgrade
- Filter fabric to be placed between pavement subgrade and wall rock
- 3 in (75 mm) clear
- Curb stop
- Pavement surface

Westbrook Concrete Block Co., Inc. 439 Spencer Plains Road Westbrook, CT 06498  t.860.399.6201 info@westbrookblock.com
Double Wall Parapet Section

* REFER TO DESIGN DETAILS: ALLAN BLOCK
  TYPICAL REINFORCED WALL APPLICATION
  FOR ALL OTHER NOTES, DETAILS AND
  SPECIFICATIONS.

** SOIL UNDER BACK PARAPET WALL MUST BE
  CONSIDERED AS A NEW BASE COURSE.
  THE ENTIRE AREA BELOW MUST BE
  COMPACTED TO A MINIMUM OF 15%
  STANDARD PROCTOR TO MINIMIZE
  POTENTIAL SETTLEMENT.

PARAPET HEIGHT

PAVEMENT SUBGRADE

SETBACK DISTANCE * 2 X (A/B)

ALLAN BLOCK UNIT

WELL-GRADED GRANULAR WALL
  ROCK 0.25 in to 1.5 in (6 mm to 38 mm)
  LESS THAN 10% FINES

PAVEMENT SURFACE SLOPED
  AWAY FROM WALL

CURB STOP OF CURB AND
  GUTTERS ARE LOCATED
  PROPER GRID PLACEMENT
  MUST BE CONSIDERED

3 FT (1 m) EXTENSION
  IF SURFACE IS PAVED

WELL COMPACTED
  INTERIOR LEVELING
  PAD, SEE NOTE **

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Non Impact Railing Wall Section

* REFER TO DESIGN DETAILS: ALLAN BLOCK TYPICAL REINFORCED WALL APPLICATION FOR ALL OTHER NOTES, DETAILS AND SPECIFICATIONS.

* THIS DETAIL DOES NOT ACCOUNT FOR EXTREME VEHICLE IMPACT.

* PARKING RAILING DESIGN AND CONSTRUCTION REQUIRES SITE SPECIFIC ANALYSIS FOR EVERY WALL CASE. CONTACT ALLAN BLOCK CORPORATION OR A QUALIFIED LOCAL ENGINEER FOR ASSISTANCE.

TYPICAL NON-IMPACT PARKING LOT RAILING

RAILING HEIGHT

EXPANSION JOINT (IF REQUIRED)

CONCRETE CURB

PAVEMENT SURFACE

PAVEMENT SUBGRADE

COLUMN TUBE OR PVC PIPE TO BE INSTALLED DURING WALL CONSTRUCTION. POST FOOTING WILL REQUIRE HAND EXCAVATION AS TO NOT DAMAGE GEOGRID.

POST EMBEDMENT DEPTH

CONCRETE FOOTING FOR POST

TOP GEOGRID LAYER MUST BE WITHIN THE TOP THREE COURSES. ITS LENGTH MUST CONSIDER THE FENCE STABILITY.

CUT OR DISPLACE GEOGRID AROUND COLUMN TUBE OR PVC PIPE

3 ft. (1 m) EXTENSION IF SURFACE IS PAVED

4 in. MINIMUM (100 mm)

NON IMPACT RAILING WALL SECTION

Designed By:  
Title:  
Date:  

Checked By:  
Project No:  

Scale:  NOT TO SCALE  

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Impact Railing Wall Section

A Tradition of Innovation

Impact Railing Wall Section

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