PLANTABLE WALL SECTION

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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Grouted Connection

6 in (150 mm) MINIMUM MASONRY GROUT ACCORDING TO ASTM C-476

ALLAN BLOCK UNIT

ENGINEER OF RECORD TO SPECIFY LENGTH, SPACING, AND TYPE OF GEOGRID

WELL-GRADED GRANULAR WALL ROCK 0.25 in TO 1.5 in (5 mm TO 38 mm) LESS THAN 10% FINES
No-Fines Concrete Wall Section

**A Tradition of Innovation**

**ALLAN BLOCK ADDITIONAL DETAILS**

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**No-Fines Concrete Wall Section**

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

**Design**

- Voids in block unit to be filled with no-fines concrete
- Optional capstone
- Filter fabric to be placed between topsoil and no-fines concrete
- 1+ block and no-fines concrete depth, varies per total wall height design
- No-fines concrete height, varies per wall height design

**Notes**

- No-fines concrete is a mix consisting of clean gravel, cement, and water. The cured mix is free draining with a void ratio of 20-30%. Contact the Allan block engineering department for more information.

**Specifications**

- 24 in (600 mm)
- 6 in (150 mm)
- 4 in (100 mm) drain pipe
- Vented to daylight

**Scale**

- Not to scale

**Date**

- 2009 Allan Block

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**Checked By:**

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**Checked By:**

- Project No:

**Title:**

- NO-FINES CONCRETE WALL SECTION

**Date:**

- Drawing No:
Double-Wide Gravity Wall

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

ALLAN BLOCK
UNIT

FILTER FABRIC TO BE
PLACED BETWEEN TOPSOIL
AND WALL ROCK

INVERTED ALLAN BLOCK UNIT
INSTALLED BACK-TO-BACK OF THE
EXTERIOR COLUMN OF ALLAN BLOCK

GEOGRID PLACED BETWEEN
BOTH COLUMNS OF BLOCK

Designed By: Title: Date:

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Scale: NOT TO SCALE

Project No:

2005 Allen Block

Drawing No:

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WESTBROOK CONCRETE BLOCK
439 Spencer Plains Road  Westbrook, CT 06498  t.860.399.6201  info@westbrookblock.com
Masonry Wall Application

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**Veneer Wall Section**

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

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**VENEER WALL SECTION**

- ALLAN BLOCK UNIT
- FILTER FABRIC TO BE PLACED BETWEEN TOPSOIL AND WALL ROCK
- PRIMARY RETENTION SURFACE
- WELL-GRADED GRANULAR WALL ROCK 0.25 in TO 1.5 in (5 mm TO 38 mm) WITH LESS THAN 10% FINES
- CONNECTION OF ALLAN BLOCK FACING ACCORDING TO DETAIL 30 OR 31
- EARTH ANCHORS OR SOIL NAILS

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Nail Connection Detail

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

WELL GRADED GRANULAR WALL RGCK: 0.25 in TO 1.5 in (6 mm to 38 mm), LESS THAN 10% FINES

12 in (300 mm) MINIMUM

3 BLOCK SPACING MAXIMUM

ALLAN BLOCK UNIT

PRIMARY AND SECONDARY SHOTCRETE FACE

ENGINEER OF RECORD TO SPECIFY LENGTH, SPACING, AND TYPE OF GEORGRID

NAIL CONNECTION DETAIL

Designed By:

Title:

Date:

Checked By:

Scale:

NOT TO SCALE

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Project No:

Drawing No:
**Anchor Connection Detail**

* REFER TO DESIGN DETAILS:
  ALLAN BLOCK TYPICAL SECTION FOR ALL OTHER notes, DETAILS and SPECIFICATIONS.

** WALL ROCK MUST BE PLACED IN CORES AND ABOVE LOWER PORTION OF GEOGRID WRAP PRIOR TO RETURNING TO THE WALL FACE, PULL TIGHT AND PLACE NEXT COURSE ABOVE TO SECURE.

12 in (300 mm) MINIMUM

ALLAN BLOCK UNIT

LOOP GEOGRID AND RETURN TO WALL FACE TO SECURE CONNECTION TO SPREADER PIPE

WELL-GRADUATED GRANULAR WALL ROCK 0.25 in TO 1.5 in (6 mm TO 38 mm) WITH LESS THAN 10% FINES

EARTH ANCHOR OR SOIL NAIL (DESIGNED BY OTHERS)

ALLOW FOR A SPREADER PIPE TO CREATE A CONTINUOUS SPAN FOR GEOGRID CONNECTION (DESIGNED BY OTHERS)

EXPOSED VERTICAL SHEAR FACE: ROCK, SHOTCRETE OR SOIL

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**ANALOR CONNECTION DETAIL**

**Designed By:**

**Title:**

**Date:**

**Checked By:**  

**Scale:**  NOT TO SCALE

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