Allan Block – Parapets Details

Allan Block Fieldstone Parapet

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

PARAPET DEPTH CAN VARY DEPENDING ON PROJECT REQUIREMENTS. SEE AB FIELDSTONE DESIGN GUIDE FOR ADDITIONAL PARAPET DETAILS. TALLER PARAPETS MAY REQUIRE ADDITIONAL REINFORCEMENT AND ENGINEERING.

CAPPING OPTIONS CAN VARY DEPENDING ON APPLICATION.

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

CONSTRUCT PARAPET WITH BACK TO BACK AB FIELDSTONE FACE UNITS CONNECTED TOGETHER WITH AB FIELDSTONE DOGBONE UNITS

LOW PERMEABLE FILL TO MINIMUM THICKNESS OF 8 in TO 12 in (200 mm - 300 mm)

FILTER FABRIC TO BE PLACED BETWEEN TOPSOIL AND WALL ROCK

AB FIELDSTONE PARAPET

Designed By: ___________________________ Title: ___________________________ Date: ___________________________

CHECKED BY: ___________________________ PROJECT NO: ___________________________

Scale: NOT TO SCALE

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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Straight Parapets – No Cutting Needed

- AB DOGBONE UNIT
- FILL VOIDS WITH WALL ROCK IN 4 in. (100 mm) LIFTS
- COURSE 1, 3, 5....
- COURSE 2, 4, 6....
- CORNER FACING UNIT
- EACH AB FIELDSTONE FACING UNIT SHOULD HAVE A MINIMUM OF 2 DOGBONE UNITS THAT ALTERNATE TOP AND BOTTOM OF BLOCK

16.5 in (42 cm) (REF)

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Designed By:  Title:  STRAIGHT PARAPETS - NO CUTTING NEEDED  Date:

Checked By:  Project No:

Scale:  NOT TO SCALE  Drawing No:

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Curved Parapets

- EACH AB FIELDSTONE FACING UNIT SHOULD HAVE A MINIMUM OF 2 DOGBONE UNITS THAT ALTERNATE TOP AND BOTTOM OF BLOCK

- AB DOGBONE UNITS DO NOT CONNECT TO FACING UNIT BEHIND

- FILL VOIDS WITH WALL ROCK IN 4 in. (100 mm) LIFTS

- COURSE 2, 4, 6.....

- WIDTH AS REQUIRED BY DESIGN

- COURSE 1, 3, 5.....

**Designed By:**

**Title:**

**CURVED PARAPETS**

**Checked By:**

**Scale:**

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Standard Parapets with Corners

- Each AB fieldstone facing unit should have a minimum of 2 Dogbone units that alternate top and bottom of block.

- Cut a block to finish corner.

- Block extends in to create corner.

- AB Dogbone unit.

- Fill voids with wall rock in 4 in. (100 mm) lifts.

- 13 in (33 cm) (Ref) Course 2, 4, 6....

- Corner facing unit.

- Course 1, 3, 5....

STANDARD PARAPETS WITH CORNERS

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Date:  
Project No:  
Drawing No:
Parapets with Posts

**Parapets with Posts**

- **AB Fieldstone Facing Unit** should have a minimum of 2 dogbone units that alternate top and bottom of block.

- **13 in (33 cm) (REF)**

- **AB Dogbone Unit**

- **4 Dogbone Units per Course**

- **Fill Voids with Wall Rock in 4 in. (100 mm) Lifts**

- **Corner Facing Unit**

- **16.5 in (42 cm) (REF)**

- **Course 1, 3, 5…**

- **Course 2, 4, 6…**

- **Cut to Fit**

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**Designed By:**

**Title:**

**Parapets with Posts**

**Date:**

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**Checked By:**

**Project No.:**

**Scale:**

**NOT TO SCALE**

**Drawing No.:**

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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.

SOLID GROUT 3 in (75 mm)
MINIMUM ABOVE AND BELOW REBAR IN BETWEEN VERTICAL STEEL LOCATION

HORIZONTAL REBAR AS REQUIRED BY DESIGN

CUT NOTCH IN BLOCK SIDES TO ALLOW FOR REBAR PLACEMENT

CAST IN PLACE OR PRECAST CONCRETE CAPSTONE

1 in (25 mm) CLEAR

GROUT CORES OF BLOCK SOLID AT VERTICAL STEEL LOCATIONS, NUMBER OF COURSES AND WIDTH REQUIRED TO BE DETERMINED BY ENGINEER OF RECORD.

CURB STOP

PAVEMENT SURFACE

5 ft (1.5 m) EXTENSION IF SURFACE IS PAVED

FILTER FABRIC TO BE PLACED BETWEEN PAVEMENT SUBGRADE AND WALL ROCK

3 in (75 mm) CLEAR

PAVEMENT SUBGRADE

MASONRY PARAPET WALL SECTION

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Title:  
Date:

Checked By:  
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## Impact Railing Wall Section

* Refer to design detail 5; Allan Block typical reinforced wall application for all other notes, details and specifications.

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![Diagram of Impact Railing Wall Section]

**Concrete Footing for Post**

**Expansion Joint (if required)**

**Concrete Curb**

**Pavement Surface**

**Pavement Subgrade**

**Column Tube or PVC Pipe**

**Cut or Displace Geogrid around Column Tube or PVC Pipe**

**Filter Fabric to be placed between topsoil and wall rock**

**Barrier Height**

**Post Embedment Depth**

**3 ft. (1 m) Extension if surface is paved**

**TYPICAL ROADWAY BARRIER (DESIGNED BY OTHERS)**

**Allan Block Unit**