



A26.01

Request for Approval of Material

Contract TA 4738 <b>3614</b>	FA Number STPUS-2699 (001)	SR	Date 04-01-2013
Section 8-24.1 Modular and Gravity Block Wall		County Snohomish	
Contractor Marshbank Construction		Subcontractor Walltek Construction, llc	

For assistance in completing, see Instructions and Example

For WSDOT Use Only						
RAM #						
Bid Item No.	Material or Manufacturer's Product/Type	Name and Location of Fabricator, Manufacturer or Pit Number	Specification Reference	PE Appr'l Code	Hdqtr. Appr'l Code	File No.
A26.01 <del>A-026.2</del>	Allan Block, AB Europa - Abbey Blend	CCI Industries/Expocrete Concrete Products Ltd.-Richmond, BC.	8-24.2	3,4		
A-026.1	Geogrid - Strata SG200	Strata Systems, Inc. Cumming, GA	9-33.2(2)	10		
A26.02 <del>A-026.4</del>	Geogrid - Strata SG350	Strata Systems, Inc. Cumming, GA	9-33.2(2)	2,3		
A-026.6	4" SDR 35 Perforated Pipe	Crestline-Northwest, llc. 223 Maurin Rd, Chehalis WA	9-05	3		

Project Engineer <i>David R. Mohr</i>	Date 4/22/13	State Materials Engineer	Date
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Approval Action Codes for use by Project Engineer and State Materials Laboratory

1. Conditionally Approved: Acceptance based upon 'Satisfactory' Test Report for samples of materials to be incorporated into project.
2. Conditionally Approved: Submit Mfg. Cert. of Compliance for 'Approval' prior to use of material.
3. Conditionally Approved: Submit Catalog Cuts for 'Approval' prior to use of material.
4. Conditionally Approved: Submit Shop Drawings for 'Approval' prior to fabrication of material.
5. Conditionally Approved: Only 'Approved for Shipment' or 'WSDOT Inspected' material shall be used.
6. Conditionally Approved: Submit Materials Certificate of Origin to Project Engineer.
7. Approval Pending: Request Transmitted to State Materials Laboratory for Approval Action.
8. Source Approved:
9. Approval Withheld: Submit samples for preliminary evaluation.
10. Approval Withheld: *See HDR's comments.*
- 11.

Remarks:  
*2': LAG Exception 52.107.*

<b>Project Engineer Distribution</b>		<b>State Materials Engineer Distribution</b>	
<input type="checkbox"/> Contractor	<input type="checkbox"/> Region Materials	<input type="checkbox"/> General File	<input type="checkbox"/> Signing Inspection
<input type="checkbox"/> Region Operations Engineer	<input type="checkbox"/> State Materials Lab	<input type="checkbox"/> Fabrication Inspection	<input type="checkbox"/> Other _____



CONSTRUCTION  
MANAGEMENT

### SUBMITTAL REVIEW TRANSMITTAL

Project Name:	67th Ave , Phase III Reconstruction	Contract No:	P02.341
Owner:	City of Arlington	KBA Project No:	1200501
Contractor:	Marshbank Construction	Federal Proj. No:	STPUS-2699 (003)
Submittal No:	27.0	TIB No:	9-P-817 (004) -1
Bid Item(s)	<b>A26</b>	Date:	Tuesday, April 16, 2013
Description:	Modular & Gravity Block Wall		
Spec Section:	8-24.1		

Result of Review:	
<input type="checkbox"/>	CN (Cancelled)
<input type="checkbox"/>	EAN (Exception As Noted)
<input type="checkbox"/>	EN-RR (Exception Noted Resubmission Required)
<input type="checkbox"/>	NET ( No Exception Taken)
<input type="checkbox"/>	REJ ( Rejected)
<input type="checkbox"/>	RR ( Revise and Resubmit)
<input type="checkbox"/>	SI ( Submit Item )

Review is only for general conformance with the Contract Documents. Corrections or comments made do not relieve contractor from compliance with the Contract Documents. Taking no exceptions on a specific item does not imply approval of an assembly of which the item is a component. Contractor is solely responsible for fabrication, dimensions, and installment; means, methods, techniques, sequences, and procedures of construction; coordination of the Work; and for satisfactorily performing all work.

**Review Comments:**

For your review and comments.

REVIEWED FOR GENERAL CONFORMANCE OF THE MATERIALS, AS REQUIRED BY THE CONTRACT PROVISIONS. THIS SUBMITTAL DOES NOT CONSTITUTE DETAILED BLOCK LAYOUT, WALL REINFORCEMENT DETAILS, OR CALCULATIONS AS REQUIRED BY THE CONTRACT PROVISIONS.

<input checked="" type="checkbox"/>	<b>NO EXCEPTIONS TAKEN</b>
<input type="checkbox"/>	MAKE CORRECTIONS NOTED
<input type="checkbox"/>	REVISE AND RESUBMIT
<input type="checkbox"/>	REJECTED
<input type="checkbox"/>	ENGINEER'S REVIEW NOT REQUIRED

This review is for general conformance with design concept only. Any deviation from the plans or specifications not clearly noted by the Contractor has not been reviewed. Review by the Engineer shall not serve to relieve the Contractor of the contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By R D Richardson Date 4/22/13  
 Project \_\_\_\_\_

Date: Tuesday, April 16, 2013

By: \_\_\_\_\_

Micael Serrano  
Office Engineer  
KBA, Inc.







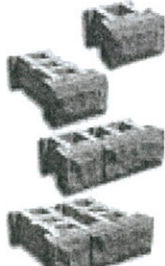
The Allan Block Collections offer a variety of sizes, weights, setbacks, and finishes to meet differing aesthetic and performance needs. Refer to the chart below or to our website - allanblock.com to help make the right choice for your project.

allanblock.com

Table 1.1

Style & Performance	Name	Setback	Coverage	Weight	Approximate Dimensions
	<b>AB Stones</b> <i>Best Single Block Choice</i>	12°	1 sq ft. approx. 11 blk per m <sup>2</sup>	75 lbs 34 kg	8 in. H x 12 in. D x 18 in. L 200mm H x 300mm D x 460mm L
	<b>AB Rocks</b>	6°	1 sq ft. approx. 11 blk per m <sup>2</sup>	75 lbs 34 kg	8 in. H x 12 in. D x 18 in. L 200mm H x 300mm D x 460mm L
	<b>AB Vertical</b>	3°	1 sq ft. approx. 11 blk per m <sup>2</sup>	75 lbs 34 kg	8 in. H x 12 in. D x 18 in. L 200mm H x 300mm D x 460mm L
	<b>AB Classic</b>	6°	1 sq ft. approx. 11 blk per m <sup>2</sup>	75 lbs 34 kg	8 in. H x 12 in. D x 18 in. L 200mm H x 300mm D x 460mm L
	<b>AB Jumbo Jr</b>	6°	0.5 sq ft. approx. 22 blk per m <sup>2</sup>	35 lbs 16 kg	8 in. H x 9.5 in. D x 9 in. L 200mm H x 240mm D x 230mm L
	<b>AB Life Stone</b>	6°	0.5 sq ft. approx. 22 blk per m <sup>2</sup>	35 lbs 16 kg	4 in. H x 12 in. D x 18 in. L 100mm H x 300mm D x 460mm L
	<b>AB Junior Life</b>	6°	0.25 sq ft. approx. 44 blk per m <sup>2</sup>	18 lbs 8 kg	4 in. H x 12 in. D x 9 in. L 100mm H x 300mm D x 230mm L

Old World Antique	Name	Setback	Coverage	Weight	Approximate Dimensions
	<b>AB Dover</b>	6°	1 sq ft. approx. 12 blk per m <sup>2</sup>	80 lbs 36 kg	8 in. H x 10.5 in. D x 18 in. L 200mm H x 265mm D x 460mm L
	<b>AB Palermo</b>	6°	0.5 sq ft. approx. 22 blk per m <sup>2</sup>	35 lbs 16 kg	8 in. H x 9.5 in. D x 9 in. L 200mm H x 240mm D x 230mm L
	<b>AB Barcelona</b>	6°	0.5 sq ft. approx. 22 blk per m <sup>2</sup>	40 lbs 18 kg	4 in. H x 10.5 in. D x 18 in. L 100mm H x 265mm D x 460mm L
	<b>AB Bordeaux</b>	6°	0.25 sq ft. approx. 44 blk per m <sup>2</sup>	20 lbs 9 kg	4 in. H x 10.5 in. D x 9 in. L 100mm H x 265mm D x 230mm L

Green, Natural & Friendly	Name	Setback	Coverage	Weight	Approximate Dimensions
	<b>812 facing unit with SAU</b>	6°	0.7 sq ft. approx. 16 blk per m <sup>2</sup>	60 lbs 30 kg	8 in. H x 13 in. D x 12 in. L 200mm H x 330mm D x 300mm L
	<b>812 facing unit with LAU</b>	6°	0.7 sq ft. approx. 16 blk per m <sup>2</sup>	90 lbs 40 kg	8 in. H x 23 in. D x 12 in. L 200mm H x 585mm D x 300mm L
	<b>824 facing unit with SAU</b>	6°	1.3 sq ft. approx. 8 blk per m <sup>2</sup>	125 lbs 55 kg	8 in. H x 13 in. D x 24 in. L 200mm H x 330mm D x 600mm L
	<b>824 facing unit with LAU</b>	6°	1.3 sq ft. approx. 8 blk per m <sup>2</sup>	185 lbs 85 kg	8 in. H x 23 in. D x 24 in. L 200mm H x 585mm D x 600mm L

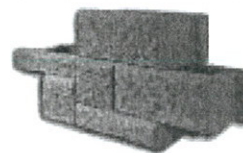
SAU - short anchoring unit  
LAU - long anchoring unit

Actual dimensions, weights and setbacks will vary by manufacturer. Check with your local Allan Block manufacturer for exact specifications and color availability. Caps and corner blocks are also available for each of the collections.

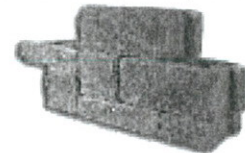
→ Patterned Walls

The design possibilities are endless. Use the blocks from the AB Ashlar Blend™ or AB Abbey Blend™ individually or blend them together to create AB Ashlar or AB Abbey Blend patterned walls. The interlocking blocks easily fit together without any materials or tools.

AB Ashlar Blend™  
from the AB Collection



AB Abbey Blend™  
from the AB Europa Collection



NO EXCEPTIONS  
MAKE CORRECTIONS NOTED  
REVISE AND RE-SUBMIT  
REJECTED  
ENGINEER'S USE ONLY

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HDR ENGINEERING, INC.  
By JVo Date 04/29/13  
Project 67TH AVE, PHASE III CONST.



# Wall Patterns

All of the Allan Block Collections can be used to create a variety of pre-set and random patterns. A pre-set pattern is repeated every two or three courses of block. A single course consists of a full size block, approx 8 in. (200 mm) tall. Random patterns used on a reinforced wall require a level surface every 2 or 3 courses for proper installation of geogrid. See the approved plans for which layers the geogrid reinforcement will be required.

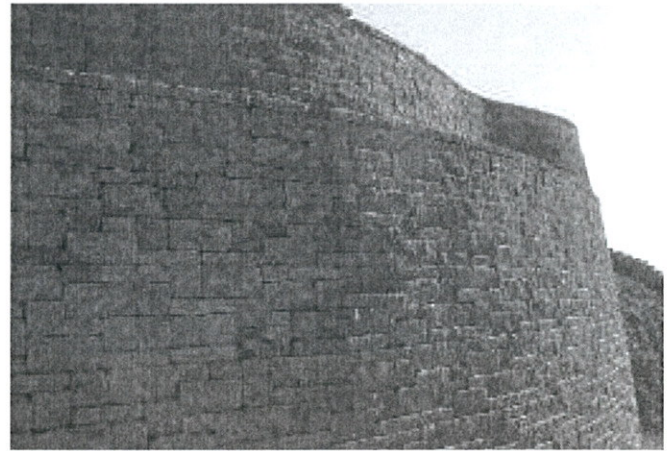
**Note:**

- Patterned walls will have a 6° setback.
- Walls with curves should always use the 2 course pattern to minimize cutting and fitting.
- The base course needs to be a full course of full size blocks. For each 10 ft. (3 m) length you will need 7 blocks.

NO EXCEPTIONS TAKEN  
 MAKE CORRECTIONS NOTED  
 REVISE AND RESUBMIT  
 REJECTED  
 ENGINEER REVIEW NOT REQUIRED

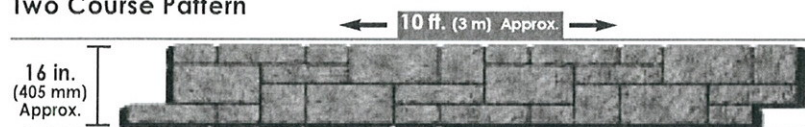
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HDR ENGINEERING, INC.  
 By: JVo Date: 04/29/13  
 Project: 67TH AVE, PHASE III CONST



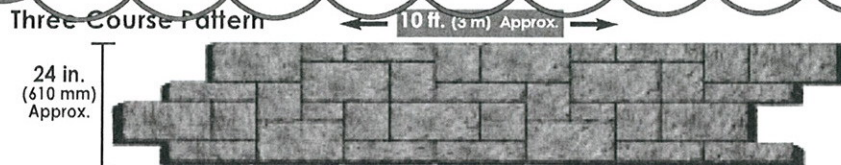
## Standard Patterns - Uses all blocks in the collections

### Two Course Pattern



AB Collection Blocks Required	AB Europa Collection Blocks Required
6 AB Classic or AB Stones	6 AB Dover
4 AB Jumbo Junior	4 AB Palermo
8 AB Lite Stone	8 AB Barcelona
8 AB Junior Lite*	8 AB Bordeaux

### Three Course Pattern

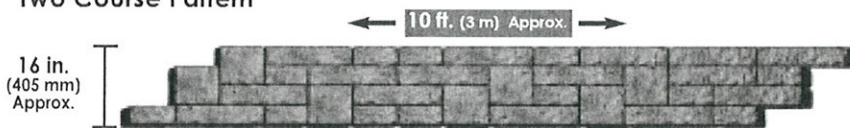


AB Collection Blocks Required	AB Europa Collection Blocks Required
10 AB Classic or AB Stones	10 AB Dover
10 AB Jumbo Junior	10 AB Palermo
10 AB Lite Stone	10 AB Barcelona
4 AB Junior Lite*	4 AB Bordeaux

\* Note: In the AB Collection, if the AB Junior Lite is not available an AB Lite Stone will need to cut in half. See page 41 for more information.

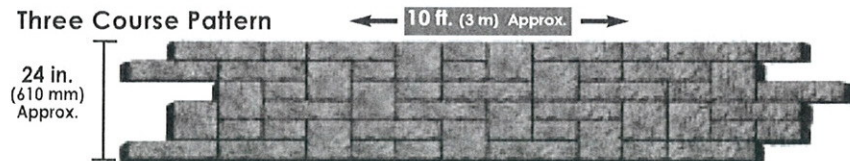
## Lite Patterns - Uses only the smaller blocks in the collections

### Two Course Pattern



AB Collection Blocks Required	AB Europa Collection Blocks Required
7 AB Jumbo Junior	7 AB Palermo
15 AB Lite Stone	15 AB Barcelona
12 AB Junior Lite*	12 AB Bordeaux

### Three Course Pattern



AB Collection Blocks Required	AB Europa Collection Blocks Required
14 AB Jumbo Junior	14 AB Palermo
19 AB Lite Stone	19 AB Barcelona
18 AB Junior Lite*	18 AB Bordeaux

Note: Maximum recommended wall height for Lite Patterns is 6 ft. (1.8 m).

For more information see the Allan Block Patterns document available at [allanblock.com](http://allanblock.com)