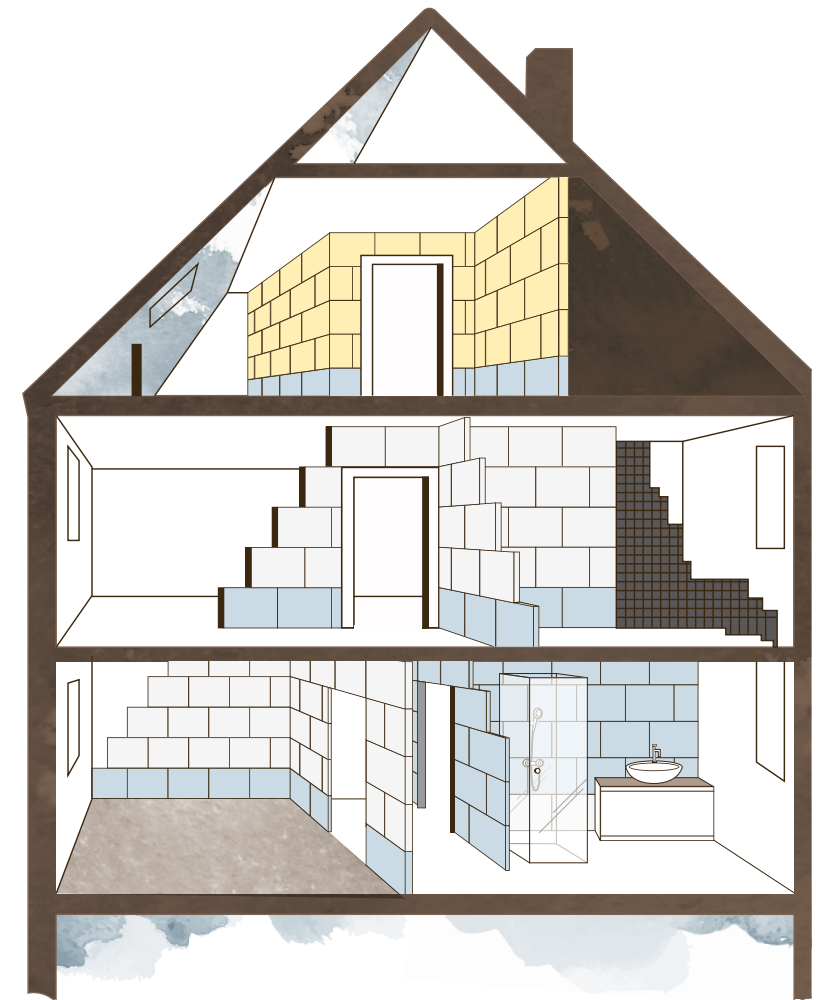


# AUGREEN Block Wall System



**300+**  
Job References

**CaSO (HK) Engineering Company Limited**  
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AUGREEN

AUGREEN BLOCK WALL SYSTEM

[www.caso.com.hk](http://www.caso.com.hk)



Green Label  
Holder :  
GL-008-009  
(Licence Number : HK-02060)



Green Label  
Holder :  
GL-008-009  
(Licence Number : HK-02060)



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1

# **What is AUGREEN Block Wall System?**

# CaSO Definition

*Brings you C-a-S-O Building Materials*

## Comfortable and Clean

AUGREEN Blocks are made of plaster! Plaster is not a proven building material, but it's also used to set broken bones -if it's used on the skin then it must be safe and healthy:

- No hazardous to health
- Extremely low level of radiation
- No odour due to low thermal conductivity and high water vapour permeability
- pH value and vapour diffusion are similar to those human skin

The low surface conductivity of the AUGREEN Blocks prevents static electricity so that they do not trap dust. The favourable pH value (between 5 and 6) and the dry wall Surfaces hinder the growth of mould fungus.

AUGREEN contribute to a comfortable and clean living environment.

## Adaptable

With tongue and groove joints, wall made with AUGREEN Blocks can be built in record time. AUGREEN Blocks dry quickly so the wall can be decorated shortly after it is built.

AUGREEN Blocks save up space with the exclusion of traditional plaster work.

Straight wall, slanted wall, round arches,  
Single-layered, double-layered, whatever you want,  
AUGREEN Blocks can be easily shaped with a saw.

## Alive!

Wall comes to life with AUGREEN Blocks!

Most of the building materials absorb and store moisture, which deteriorate the buildings.

AUGREEN Blocks breathe in and out. Due to their high micro porosity nature they first absorb and then release moisture when conditions change.

AUGREEN Blocks bring wall to life and create a comfortable environment.

## Solid and sturdy

No more lintels, special connection angles, sub-frames or profiles to fasten wall loads. AUGREEN Block wall is sturdy and can bear heavy loads such as kitchen units and washbasins.

## Outstanding

Outstanding fire resistance and acoustic performance.

Light, yet can bear heavy loads. Environmentally friendly, versatile and economical!

What could be better than AUGREEN Blocks – the world's best building material for internal partitions?



# AUGREEN Block - Internal Block Wall System



Standard Block



Water-repelling Block



High-density Block

Model Number	Size	Density	Compressive Strength	Fire Resistance	Max. Height
SB75	666 x 500 x 75mm	900kg/m <sup>3</sup>	5-7 MPa	2 hours	5.5m
WR75	666 x 500 x 75mm	900kg/m <sup>3</sup>	5-7 MPa	2 hours	5.5m
SB80	666 x 500 x 80mm	900kg/m <sup>3</sup>	5-7 MPa	2 hours	5.5m
WR80	666 x 500 x 80mm	900kg/m <sup>3</sup>	5-7 MPa	2 hours	5.5m
SB100	666 x 500 x 100mm	900kg/m <sup>3</sup>	5-7 MPa	4 hours	7m
WR100	666 x 500 x 100mm	900kg/m <sup>3</sup>	5-7 MPa	4 hours	7m
SB150	333 x 500 x 150mm	900kg/m <sup>3</sup>	5-7 MPa	4 hours	8m
WR150	333 x 500 x 150mm	900kg/m <sup>3</sup>	5-7 MPa	4 hours	8m

Model Number	Size	Density	Compressive Strength	Fire Resistance	Max. Height
HD80	666 x 500 x 80mm	1,200kg/m <sup>3</sup>	≥ 14 MPa	2 hours	5.5m
HW80	666 x 500 x 80mm	1,200kg/m <sup>3</sup>	≥ 14 MPa	2 hours	5.5m
HD100	666 x 500 x 100mm	1,200kg/m <sup>3</sup>	≥ 14 MPa	4 hours	7m
HW 100	666 x 500 x 100mm	1,200kg/m <sup>3</sup>	≥ 14 MPa	4 hours	7m
HD150	333 x 500 x 150mm	1,200kg/m <sup>3</sup>	≥ 14 MPa	4 hours	8m
HW150	333 x 500 x 150mm	1,200kg/m <sup>3</sup>	≥ 14 MPa	4 hours	8m

## Remarks:

1. 75mm, 80mm & 100mm = 3 blocks = 1m<sup>2</sup> ; 150mm = 6 blocks = 1m<sup>2</sup>
2. No lintel is required for the opening within 1.5m (width)/2m(width) for 75mm & 80mm/100mm.
3. The acoustic performance can achieve from STC51 to STC65 by using AUGREEN EQ System.
4. ICE calculations (DIN standard) is provided to prove the maximum wall height without steel stiffener support.
5. Loading capacity per anchor can be referred to Hilti, Fischer & Ramset fixing manual

## Accessories:



Bonding Agent (BA)

### Bonding Agent (BA)

Coverage: 2.0 – 4.5 kg/m<sup>2</sup>

Working time: 30 – 45 minutes

Packing: 20 kg/bag

Compressive Strength: 7-9 MPa

Tensile Strength / Bending Stress / Shear Stress:

1.4 MPa / 0.7 MPa / 1.4 MPa



Fiberglass Tape (FT)

### Fiberglass Tape (FT)

Size: 100mm(w) : 10m roll in 100mm (thickness)

Color: White

Weight: 75g/m<sup>2</sup>

Warp Density: 34 tex

Weft Density: 90 tex

Glue content: 33%



Angle Bead (AB)

### Angle Bead (AB)

Length: 2.4m

Material: PVC

Packing: 300/ box

# AUGREEN Block Wall System

## Performance Specification

Model	SB75 / SB80 / SB100 / SB150	WR75 / WR80 / WR100 / WR150	HD75 / HD80 / HD100 / HD150	HW75 / HW80 / HW100 / HW150
Density	Around 900 kg/m³		Around 1,200 kg/m³	
Source of Material	Gypsum			
Format	75 / 80 / 100 mm : 666 mm x 500 mm (3 blocks = 1 m²) 150 mm : 333 mm x 500 mm (6 blocks = 1 m²)			
Thickness	75 mm, 80 mm, 100 mm, 150 mm			
Dimensions Tolerance	Length : ± 2.5 mm, Height : ± 1.5 mm, Width : ± 0.5 mm			
Weight	75 / 80mm : 25 kg 100mm : 30 kg 150mm : 22.5 kg		80mm : 35 kg 100mm : 40 kg 150mm : 30 kg	
Colour	Grey White	Blue	Yellow	Green
Fire Rating (BS476–part22)	75 / 80mm : 120 mins FRP 100mm / 150mm : 240 mins FRP		80mm : 120 mins FRP 100mm / 150mm : 240 mins FRP	
Sound Insulation (BS EN ISO140-3:1995)	75mm : STC 38; 80mm : STC 37; 100mm : STC 41; 150mm : STC 44;		80mm : STC 42; 100mm : STC 46; 150mm : STC 51;	
Surface Appearance	Smooth ; Tolerance ± 1 mm ( No plastering and slim coat required on AUGREEN Block wall)			
Physical Appearance	Solid block; tongue and groove profiles on all sides			
Tongue and Groove	4 sides rounded type			
Compressive Strength	≥ 5 MPa		≥ 14 MPa	
Bonding Agent (BA)	Gypsum-based adhesive			
Water Resistance	Not Applicable	Water absorption in weight <1% *H1 Class < 2.5%	Not Applicable	Water absorption in weight <2% *H1 Class < 2.5%
Country of Origin	China / Europe / Russia			



# 2

## **Green Concept of AUGREEN Blocks**

# AUGREEN Block Wall System – Put “Sustainable Development” in an Innovative Way

## Augreen Block Wall System Sustainable Development Cycle





Flue Gas Desulphurization (FGD) Plant

## 2.1 ECO Raw Material

Advantages of using Chemical gypsum\*, by-products of electricity production, include:

- Encourage power plants to use FGD plant which produces more economic values;
- Reduce the amount of sulphur dioxide released in the atmosphere (i.e. Acidic Rain);
- Reduce air pollution;
- Protect the natural environment and wild species (Individual & Corporate Social Responsibility);
- Transform environmentally hazardous materials to excellence-quality building materials, which is beneficial to our living environment. (CaSO's Mission)

\*Remark: Chemical gypsum is produced from FGD plants in removing sulphur dioxide in the flue gas from power plant. The plant works on the limestone-gypsum wet scrubbing principle with wastewater treatment.  $\text{CaCO}_3 + \text{SO}_2 + \frac{1}{2} \text{H}_2\text{O} \rightarrow \text{CaSO}_3 \cdot \frac{1}{2} \text{H}_2\text{O}$  The Limestone ( $\text{CaCO}_3$ ) slurry reacts with sulphur dioxide ( $\text{SO}_2$ ) in the flue gas. The intermediate product (calcium sulphite,  $\text{CaSO}_3$ ) is then further oxidized into gypsum (calcium sulphate,  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ). After a process of de-watering, chemical gypsum ( $\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$ ) is being produced for commercial use.

## 2.2 ECO Production Line

Each stage of production follows the working principle of ISO 14000 to ensure that they:

- Use clean energy (e.g use fume-less coal to generate heat);
- Adopt natural drying at outdoor during dry seasons (no energy consumption);
- No pollution in production process (no noise, water or air pollution);
- No wastage in production (re-use all small residual materials);
- High quality in production (minimize returning of poor product by reference to 6 sigma management);
- Low carbon footprint in every step (raise staff & stakeholders' conscious and behaviour)

## 2.3 ECO Logistic & Transport

Our factory locates at Panyu, which is within 200 km coverage to our key markets, including Hong Kong, Macau and Guangdong Province, consuming much less energy than the requirements stipulated in BEAM+ or LEED (i.e. 800km).



## 2.4 ECO Site Installation

- No metal mesh, lintel and steel stiffener (minimize extra material and installation works that incurred extra energy consumption)
- No plastering on both side of wall
- No wet trade on site (better site environment)
- Enhance site safety & health (no mosquito breeding, no risk of slippery flooring and electrical shock leading to injury and damage)
- Easy cutting or chasing for conduit trenches
- No wastage (re-use small cutting pieces for filling up holes or trench for conduit)
- Flexible layout alteration (allow forming new openings ( < 2m ) after wall built due to homogeneous property, then re-use those cut blocks (in size 500x500mm) for building new wall)

## 2.5 ECO Product Life Cycle

- Regulate relative humidity (air moisture absorb (in wet season) and release (in dry season) brings environmental comfort)
- No VOC, radon and harmful substance (human health)
- No heavy metallic substance
- pH value 6-8 (close to human skin)
- Sound proof (i.e. one layer can achieve up to 46 dB STC)
- Thermal insulation (5 times better than concrete block leading to high energy saving)
- Fire-rated (up to 4hrs FRP)
- Light weight (being 1.5 times lighter than concrete block can save materials used on foundation and loading bearing structure to support its dead load)
- Green label and a list of environmental awards (public recognition)

## 2.6 ECO Maintenance


- Longer overall life cycle (compare with concrete)
- Low level of maintenance (due to elimination of metal mesh, plastering, steel stiffener, lintel, etc)

## 2.7 ECO Product Re-use & Material Re-cycle












AUGREEN Block Wall System can be demolished by cutting the wall panel into block size (around 500x500mm) by top down method. These cut blocks can then be re-used for building a new wall with bonding agent. The level of maintenance is very low due to the elimination of metal mesh, plastering, steel stiffener and lintel.


# Environmental Protection Department's Record for Recycled Material

[https://www.epd.gov.hk/epd/misc/cdm/products\\_list.htm](https://www.epd.gov.hk/epd/misc/cdm/products_list.htm)


**Construction Waste**

[Home](#)
[A A A](#)
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 Introduction to Construction Waste
  Construction Waste Management
  Construction Waste Disposal Charging Scheme
  Construction Waste Statistics
  Waste Reduction Guidelines
  List of Recyclers
  Recycle Products for Construction Industry
  Case Studies
  Reference Material
  Links
  FAQ
 [Sitemap](#)


**Recycle Products for Construction Industry**

**List of Recycled Construction Products (EPD)**

<b>Board / Wall / Partition</b>	<a href="#">AUGREEN Block Wall System</a> <a href="#">Polyboard</a> <a href="#">MultiGips Gypsum Blocks</a> <a href="#">Jumbo Gypsum Block</a> <a href="#">PLASTEC Gypsum Blocks</a> <a href="#">GREENTECH Gypsum Blocks</a> <a href="#">R-panel System</a>
<b>Carpet / Surface</b>	<a href="#">Connor Rezillflex Sport Floor</a>
<b>Furniture</b>	<a href="#">HAHN Plastic Bench</a>
<b>Playground Equipment</b>	<a href="#">Playground Equipment</a>
<b>Miscellaneous</b>	<a href="#">JJ Wood &amp; Guarddeck Wood Plastic Composite Decking</a> <a href="#">Traficop System Rubber Speed Ramp</a> <a href="#">ACOSORB seamless acoustical spray and plasterwork</a>

**Board / Wall / Partition**

**AUGREEN Block Wall System**

<b>Material Source</b>	Recycled chemical gypsum from power plant	
<b>Application</b>	An internal wall system. For the reuse purposes, the existing wall can be cut into 500mm x 500mm block size for rebuilding the new wall.	
<b>Features &amp; Benefits</b>	Finished surfaces & tongue and groove edges; BEAM Plus accredited, light weight, load bearing, space saving, fast installation, easy alteration, moisture control, sound insulation, waterproof, fire resistance, high strength, thermal insulation, site safety enhanced, cost saving, energy saving, materials saving (eliminated plastering, stiffener, intel), sustainable development	
<b>Supplier</b>	CaSO (HK) Engineering Co., Ltd. Room Unit 1701-02, 17/F, 8 Observatory Road, Tsim Sha Tsui, Kowloon, Hong Kong. Tel.: (852) 3188 4341 or (852) 3188 1144      Fax.: (852) 3579 0447	
<b>Website</b>	<a href="http://www.caso.com.hk">www.caso.com.hk</a>	
<b>Email</b>	<a href="mailto:info@caso.com.hk">info@caso.com.hk</a>	
<b>Projects reference / Remarks / Date</b>	ASD Yuen Long Chamber of Commerce Primary School, Residential - SOHO 38 at 38 Shelley Street, Sheung Wan, SkyCity Marriott Hotel, MTR Station - LOHAS Park Station, TKO, I SQUARE / THE ONE shopping mall in TST	



# 3

## **Technical Comparison of AUGREEN Blocks VS**

- **Concrete Blocks**
- **Aerated Concrete Blocks  
(Light-weighted Blocks)**

# COMPARISON of AUGREEN Blocks VS Concrete Blocks

#Below comparison is based on AUGREEN standard block:

	AUGREEN Blocks	Concrete Blocks	Aerated Concrete Blocks	Conclusion
<b>1.Wall Space Saving</b>	75mm/ 80mm / 100mm/150mm	130mm (100mm+2x 15mm plastering)	85mm (75mm+2x 5mm plastering)	AUGREEN is thinner due to no plastering required
<b>2.Density</b>	900 - 1200kg/m <sup>3</sup>	2000kg/m <sup>3</sup>	650 kg/m <sup>3</sup>	AUGREEN is lighter than concrete block but heavier than light weight block
<b>3.Fire Resistance</b>	2hrs - 4hrs (80mm –150mm)	2hrs - 4 hrs (100mm -225mm)	2hrs – 4hrs	Same
<b>4.Compressive Strength</b>	7 - 14MPa	5 - 7MPa	3 -5MPa	AUGREEN is equal or even better than the other
<b>5.Sound Insulation</b>	STC37-STC51	STC37	STC30-STC35	AUGREEN has a better sound insulation
<b>6.Construction Time</b>	20 m <sup>2</sup> /man day of block work without plastering	Steel frame + pipe and services installation + block work + plastering work	Steel frame + pipe and services installation + block work + plastering work	AUGREEN Save around 1/3 of construction time
<b>7. Thermal Conductivity</b>	0.2W/mK	0.4W/mK	0.4W/mK	Double thermal insulation with the same thickness
<b>8. Water Absorption Rate</b>	0.43%	4.6%	24.5%	AUGREEN Water Absorption Rate is lower
<b>9. Site Condition</b>	No wet trade, easy to handle	Wet trade created by plastering	Wet trade created by plastering	AUGREEN has better site condition
<b>10.Wastage</b>	1-2%, cut blocks can be reused for filling the assess and rebuild the wall	3-5%	3-5%	AUGREEN has less construction waste handling
<b>11.Load Bearing Capacity</b>	BS 5234:Part 2:1992, Annex L 4000N Test Grade -	N/A	Pull out Test fail in 1000N	AUGREEN is 4 times better than light weight blocks
<b>12.Moisture Absorption</b>	Absorb and reease vapour, so regulating R.H.	Water tears will occur with higher R.H.	Water tears will occur with higher R.H.	More Comfortable (better for elderly)
<b>13.Maximum Height without Steel Stiffeners</b>	Up to 5.5m - 7m head room	Up to 3m - 3.5m head room	Up to 3.5m - 4m head room	AUGREEN Save time and money by eliminating steel frames
<b>14.Maximum Size of Opening Without Lintel</b>	Up to 1.5m & 2m width opening for 80mm & 100mm thick	Lintel is required for any opening	Lintel is required for any opening	AUGREEN is save time and money by eliminating door lintels
<b>15.E&amp;M service</b>	Chase conduits and hole area after installation	Fix conduits and hole areas before installation	Fix conduits and hole areas before installation	AUGREEN is more flexible and easy on E&M service
<b>16.Environmentally Friendly</b>	2-3 credit contribution can be awarded in BEAM plus and LEED scheme	N/A	N/A	Social contribution

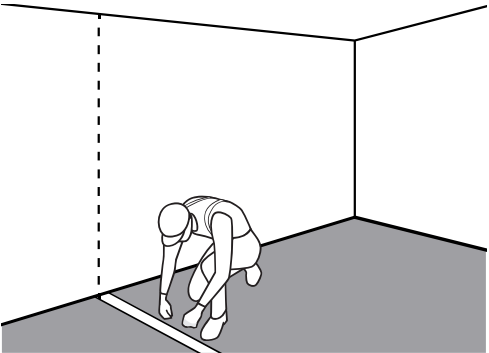
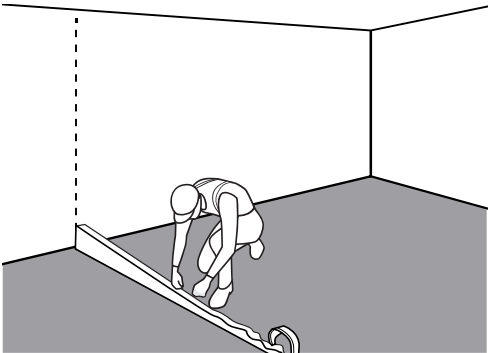
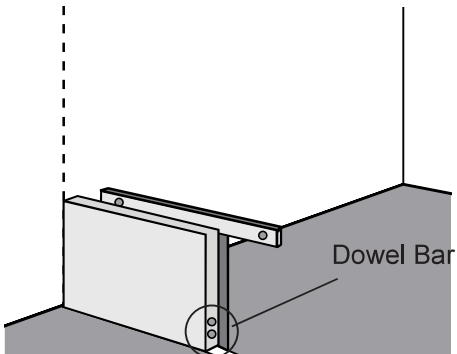
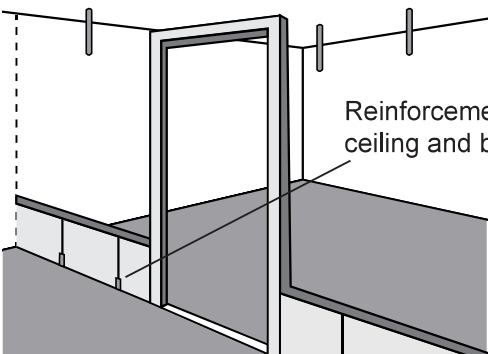
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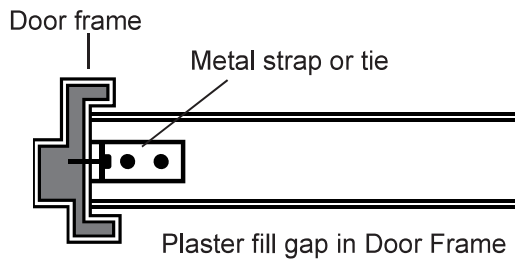
## Installation Procedures

# AUGREEN Block Wall System

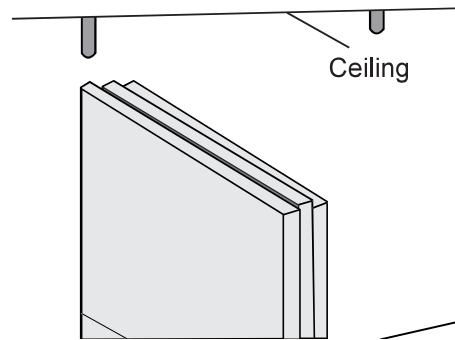
## Working methods / Installation

- Footings
- Installation
- Block to Ceiling
- Block to block
- Block to Existing Construction
- Block to Floor
- Fixing on AUGREEN Block Wall using anchor bolts and screws
- Concealment of Services

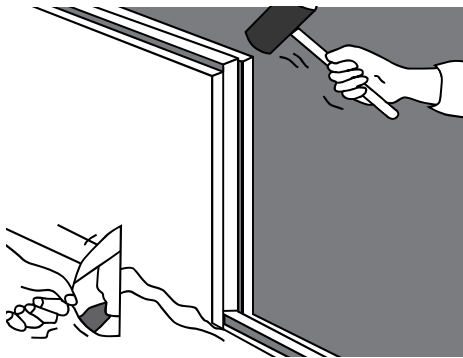
Footings	
 <p>1. Mark out position of wall on the floor and intersecting walls. Ensure the floor is level. If not, level with bonding agent.</p>	 <p>2. The 150mm-200mm height of concrete skit or 500mm water-repelling AUGREEN should be built for damp-proof before building the first row of blocks. (not required for decoration work or dry area)</p>
 <p>3. Bonding agent is applied by using a board knife or trowel to all leading edges of the AUGREEN Blocks. Set the first block in place with the groove edges facing upwards and adjacent to the intersecting wall. Using bonding agent in the joint, check for square using plumb bob and spirit level.</p>	 <p>4. Openings for doors and windows. Should be framed at the time of constructing the wall. GMS straps are be fitted at door frames.</p>



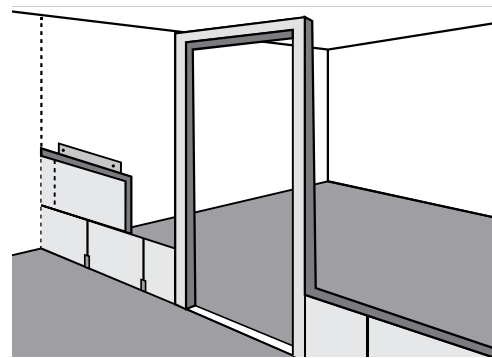
5. Door frame detail.



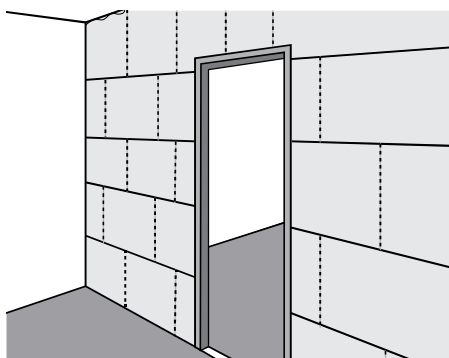
6. The use of GMS /R6 dowe bars to assist to fixing to flooring and ceiling. Metal strap fixed by screw in structure and inserted between blocks; R6 steel dowel bar fixed by structure and inserted between every two blocks.



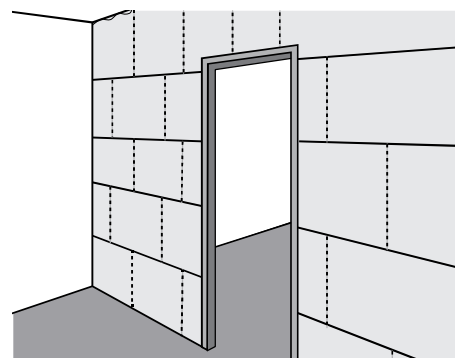
7. As each block is set into position, it should be trapped with a rubber mallet to ensure to tight joint. The compound squeezed out is troweled out to a smooth joint. **Make sure the bonding agent is sufficiently filled to the whole length of the blocks joint.**



8. Start alternative courses with half blocks. Apply bonding agent into the horizontal edge of the bedding plant and position the second course of blocks, gain working from the intersecting wall. Check each block for correct alignment in all directions by the spirit level.



9. All half blocks and short modules should be sawn before bonding into place.



10. the course reaching the ceiling must be accurately cut to height and bonded with bonding agent at the ceiling. (Deflection/Movement joints at the ceiling should be applied on large construction sites.

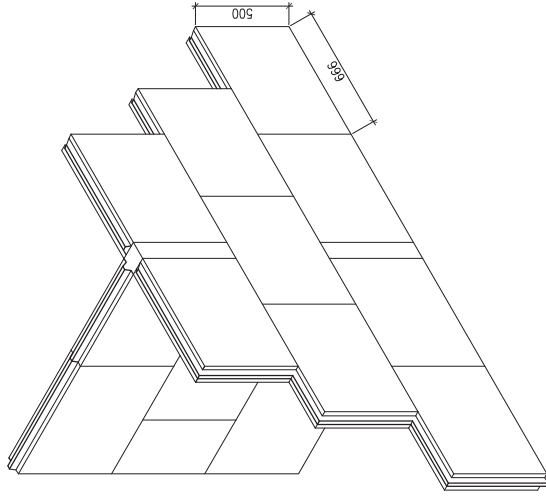
11. Once the AUGREEN Block wall is up, it is recommended that chases for services can be cut by using an access chasing machine. Do not hammer the wall.

12. **Make sure bonding agent fills up the accesses and sockets.**

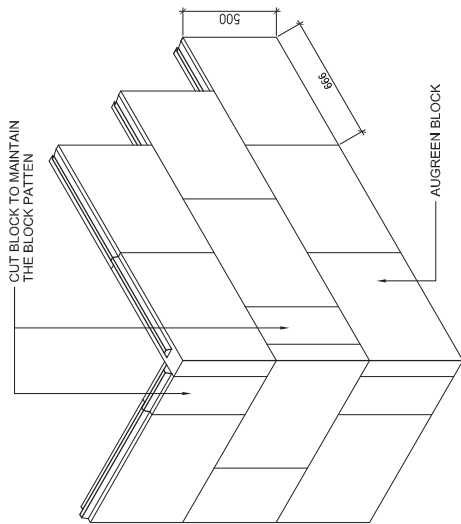
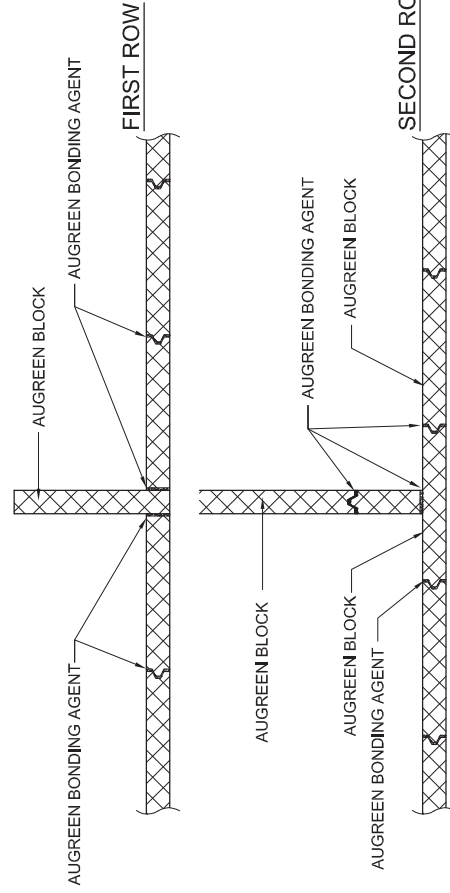


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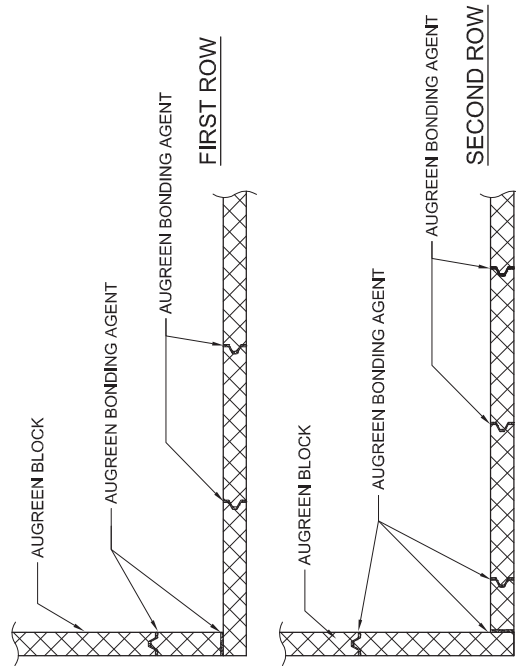
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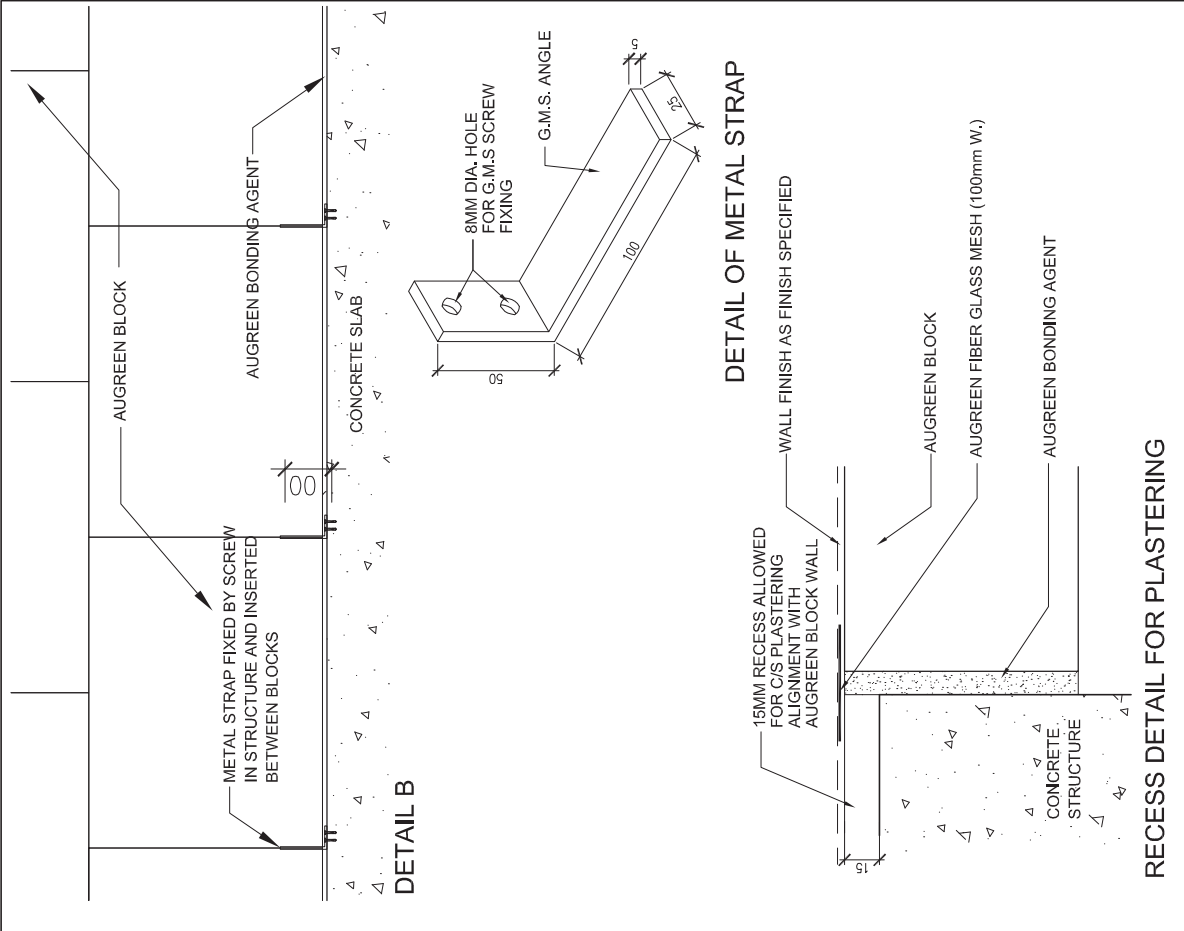
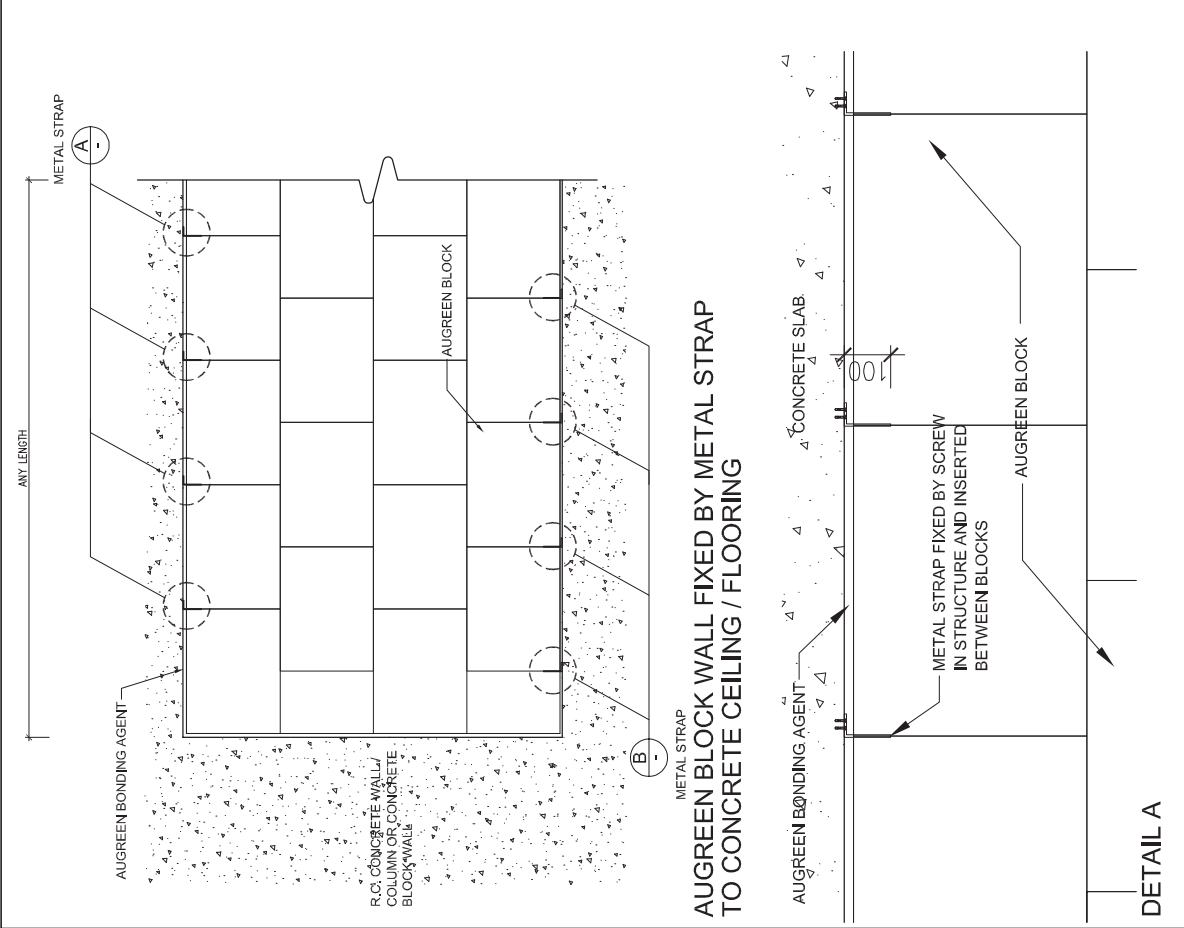
BLOCK ARRANGEMENT OF T JUNCTION



BLOCK ARRANGEMENT OF CORNER JUNCTION



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CHKD								REVISED DATE:	DWG. NO.	SCALE	
DRAWN								DEC 2017	CS-SK-0001	N.T.S.	

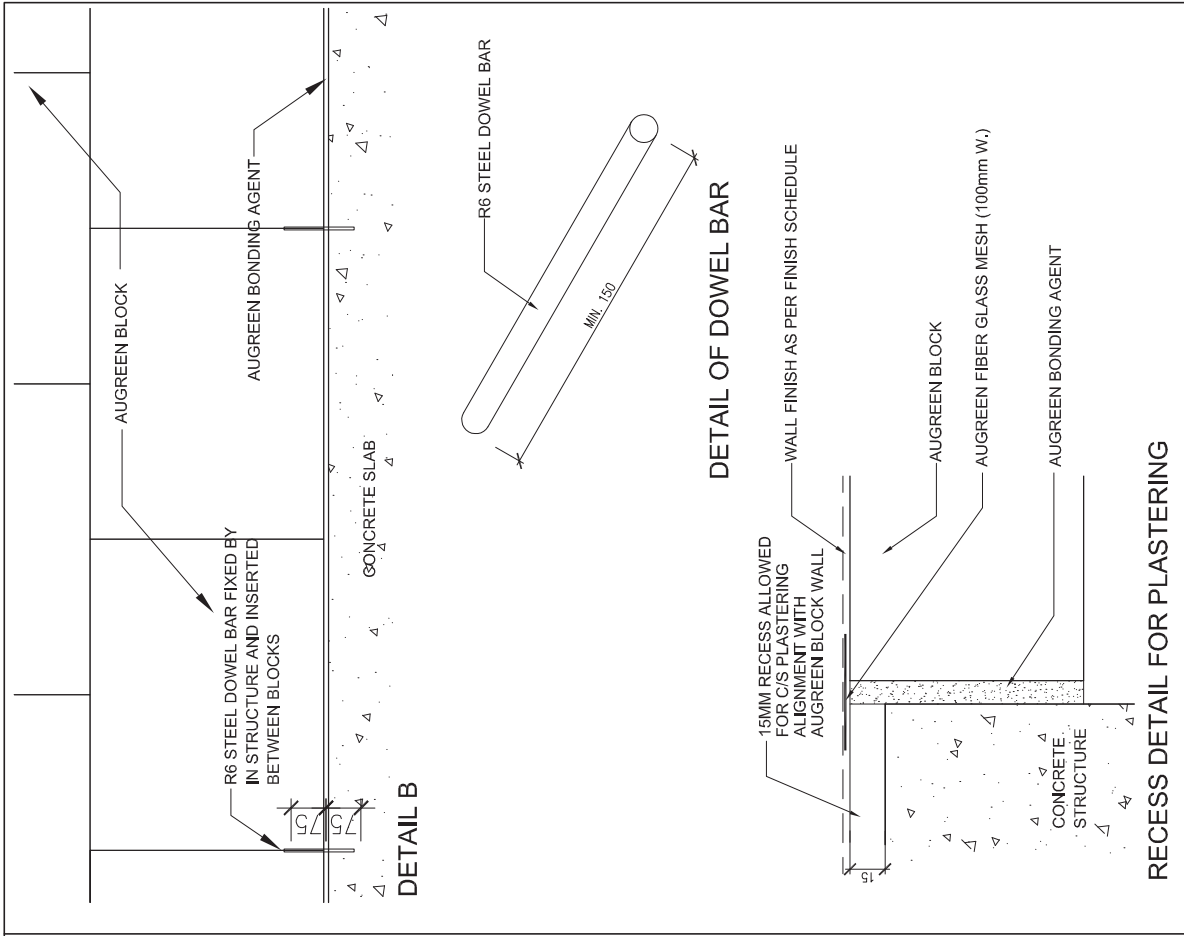


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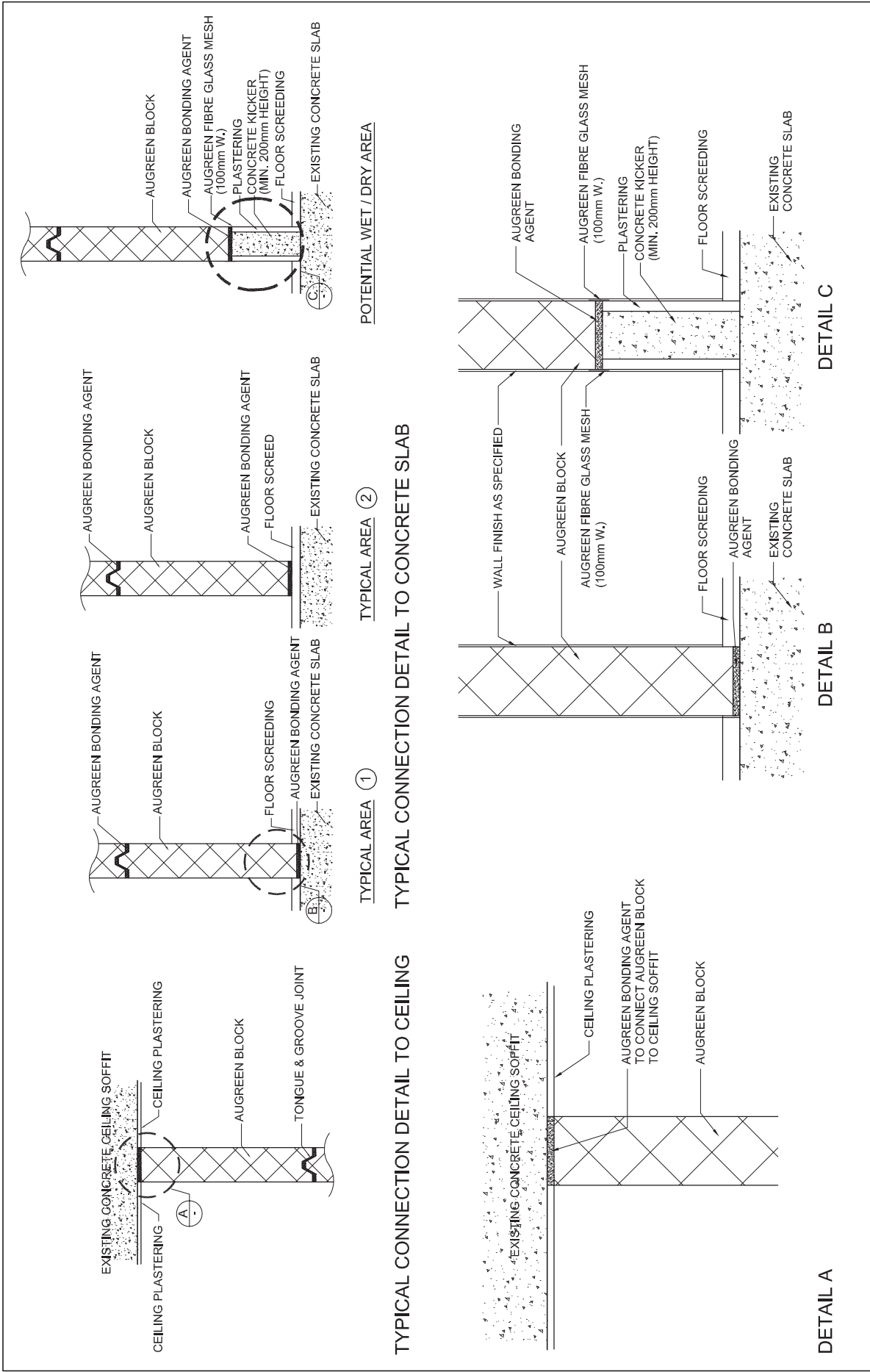
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FIXING DETAIL TO CONCRETE STRUCTURE (METAL STRAP)			
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CaSO (HK) Engineering Company Limited

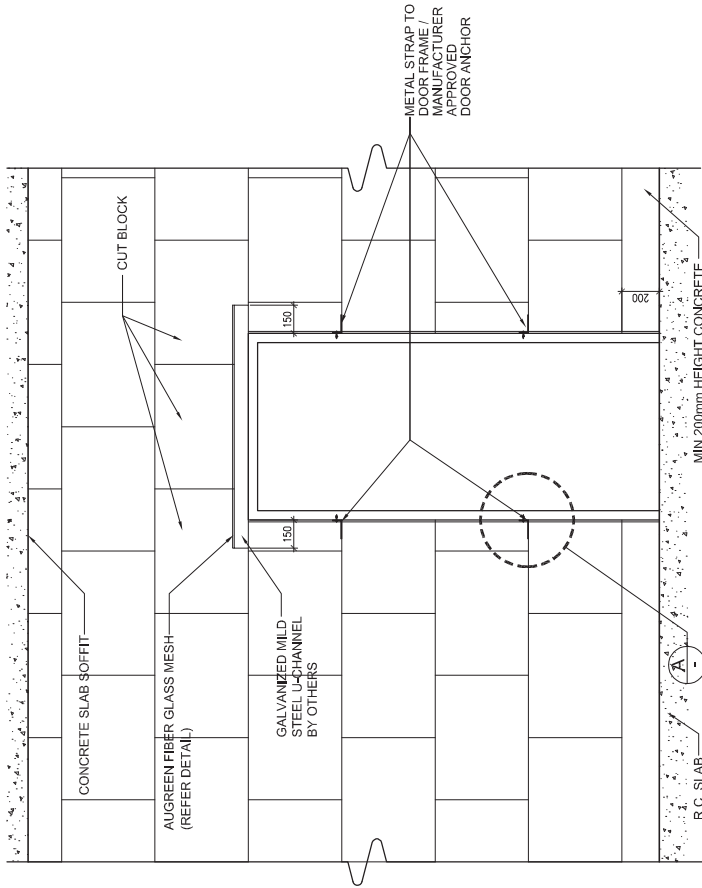




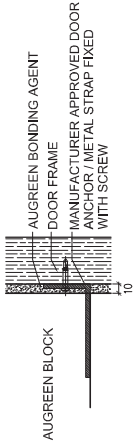
DWG. TITLE				CaSO (HK) Engineering Company Limited			
FIXING DETAIL TO CONCRETE STRUCTURE (DOWEL BAR)							
REVISED DATE:		DWG. NO.		SCALE			
DEC 2017		CS-SK-0003		N.T.S.			



NAME & DESIGNATION		DATE	CLIENT:	
AUTH.				
CHK				
DRAWN				
CaSO (HK) Engineering Company Limited			FIXING DETAIL TO CEILING AND SLAB	
			REVISED DATE:	DWG. NO.
			DEC 2017	CS-SK-0004
			SCALE	
			N.T.S.	

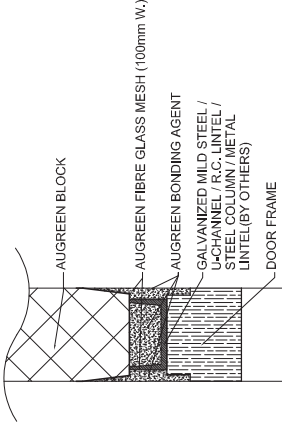


Lintel Installation Above Opening

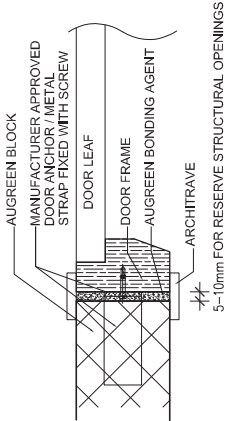


Detail A

NOTE :  
1. Lintel will be used when the opening larger than 1.5m (for 80mm thk.) and 2m (for 100mm thk.). All works are subject to manufacturer's method statement.

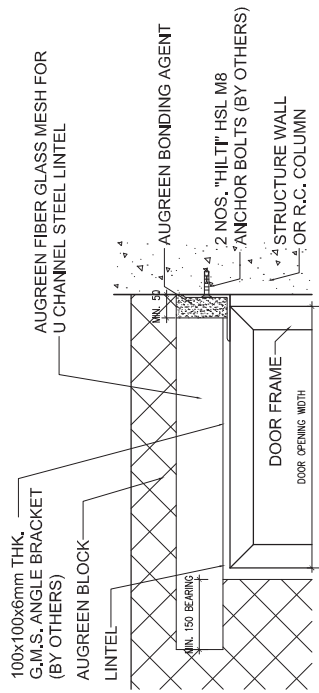


Detail of Lintel with Fibre Glass Mesh

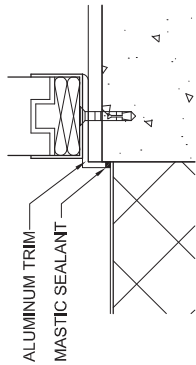


Plan of Door Frame Fix to Augreen Block

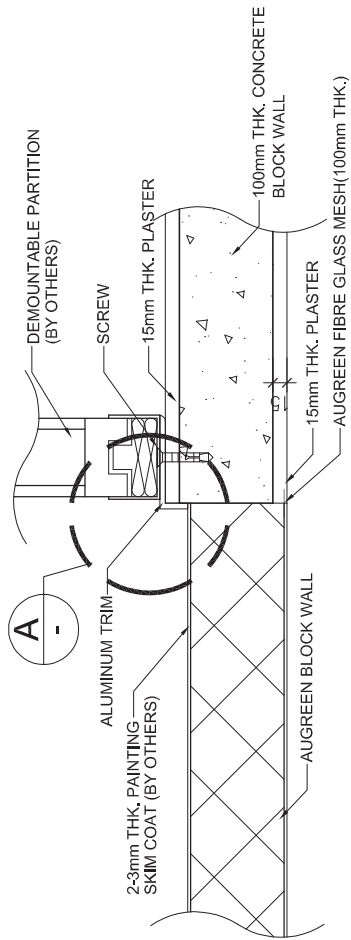
NAME & DESIGNATION		INITIAL	DATE	CLIENT:	
AUTH.				CaSO (HK) Engineering Company Limited	
CHKD					
DRAWN					
DWG. TITLE				FIXING DETAIL TO DOOR FRAME	
REVISED DATE:		DWG. NO.		SCALE	
DEC 2017		CS-SK-0005		N.T.S.	



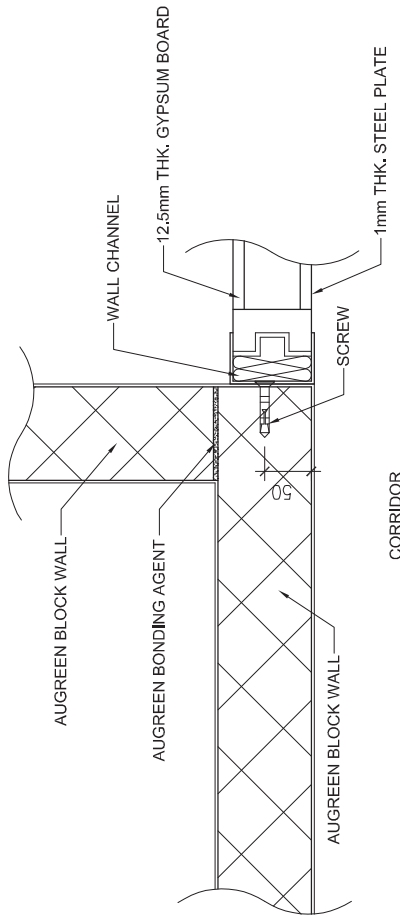
STEEL LINTEL DETAILS FOR BLOCK WALL DOOR OPENING



DETAIL A



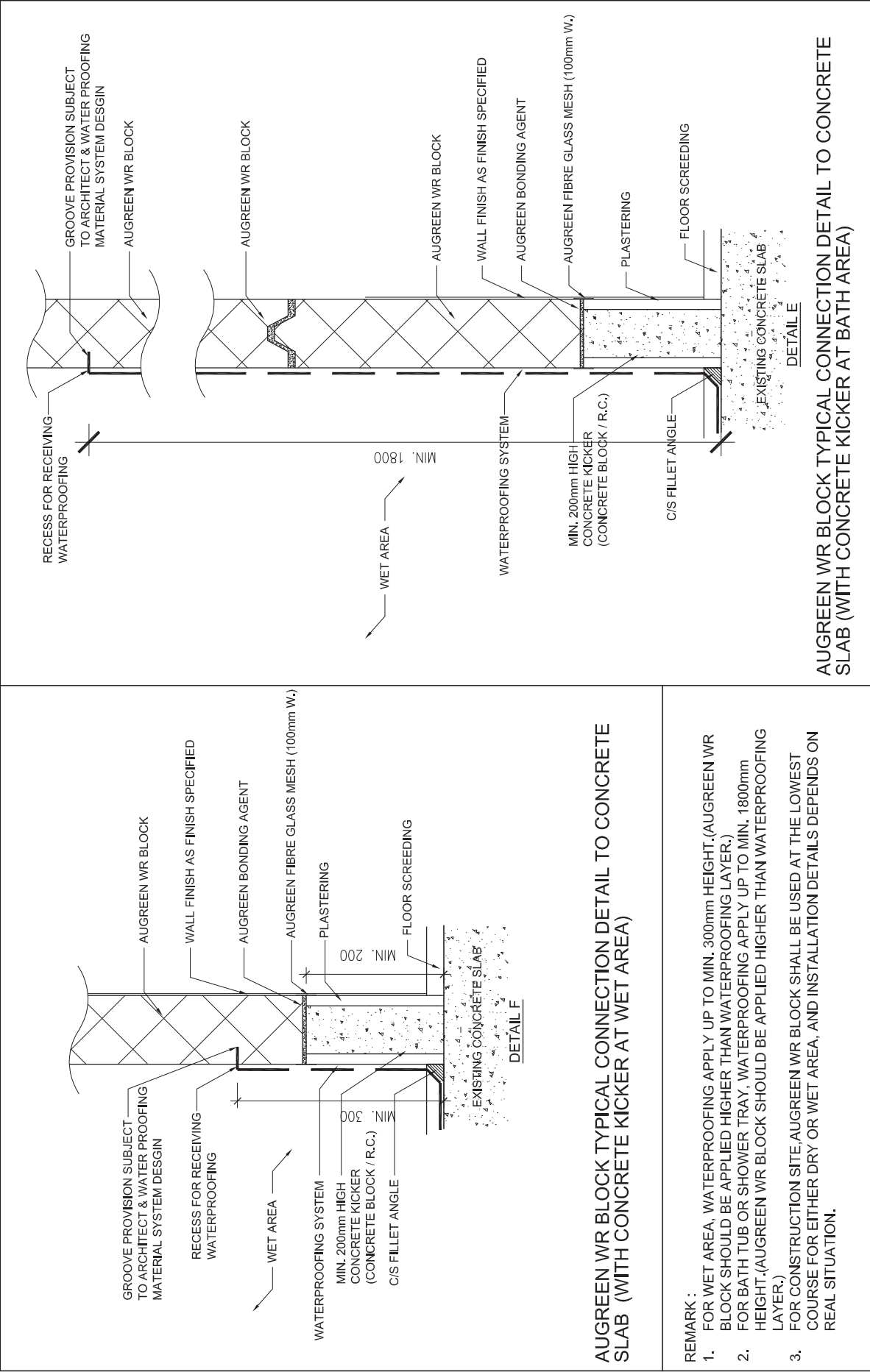
TYPICAL SECTION JUNCTION BETWEEN GYPSUM BLOCK / CONCRETE BLOCK WALL / DEMOUNTABLE PARTITION



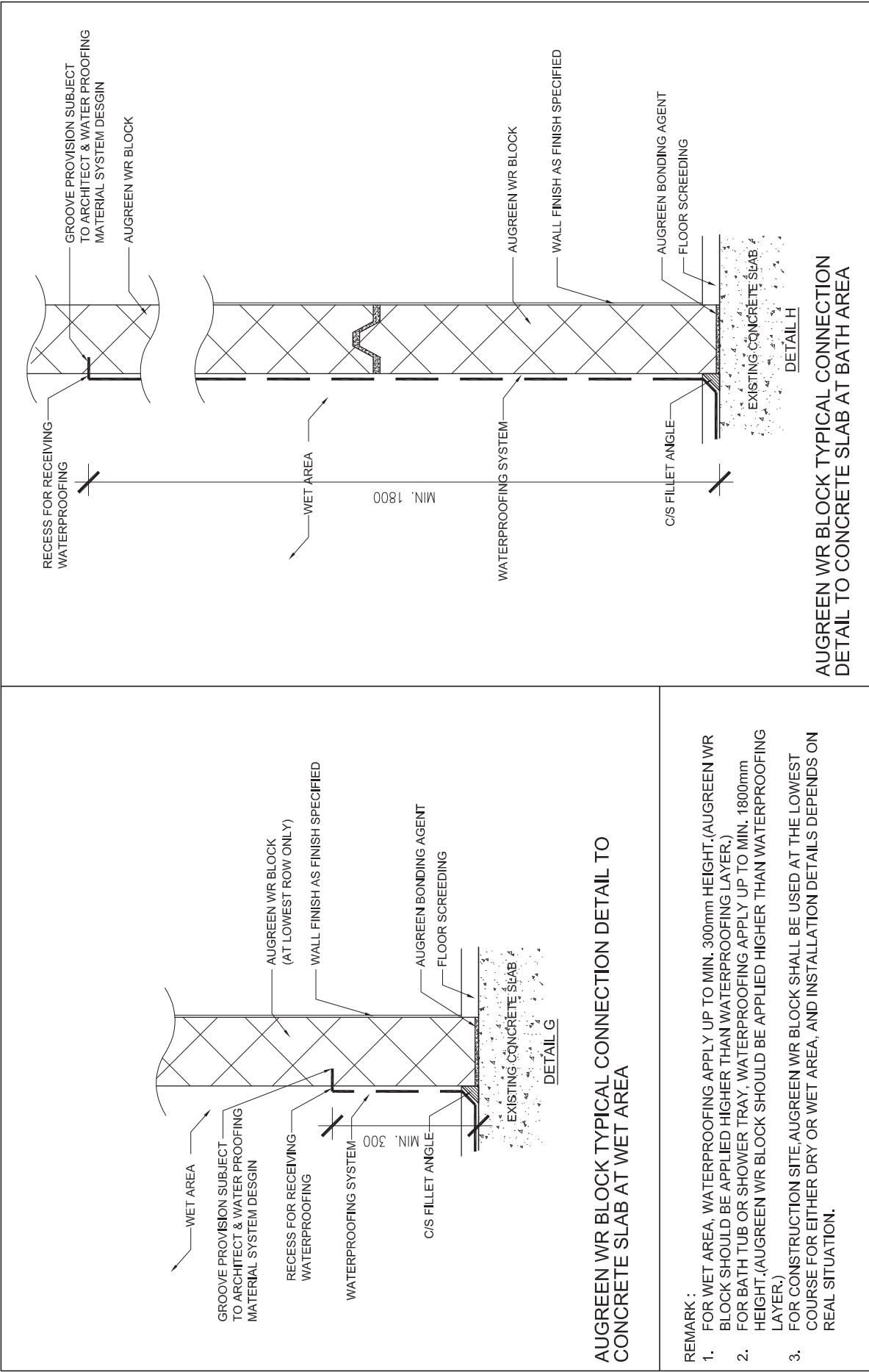
TYPICAL SECTION WITH DEMOUNTABLE PARTITION

NAME & DESIGNATION	INITIAL	DATE	CLIENT:
AUTH.			
CHKD			
DRAWN			

CaSO (HK) Engineering Company Limited		DWG. TITLE LINTEL DETAIL / JUNCTION BETWEEN GYPSUM BLOCK / PARTITION	
REVISED DATE:		DWG. NO.	SCALE
DEC 2017		CS-SK-0006	N.T.S.



DWG. TITLE		CONNECTION DETAIL TO SLAB WITH CONCRETE KICKER AT WET AREA (OPTION A)	
AUTH.	NAME & DESIGNATION	INITIAL	DATE
CHK			
DRAWN			
CaSo (HK) Engineering Company Limited		DWG. NO.	
		CS-SK-0007	
		SCALE	
		N.T.S.	

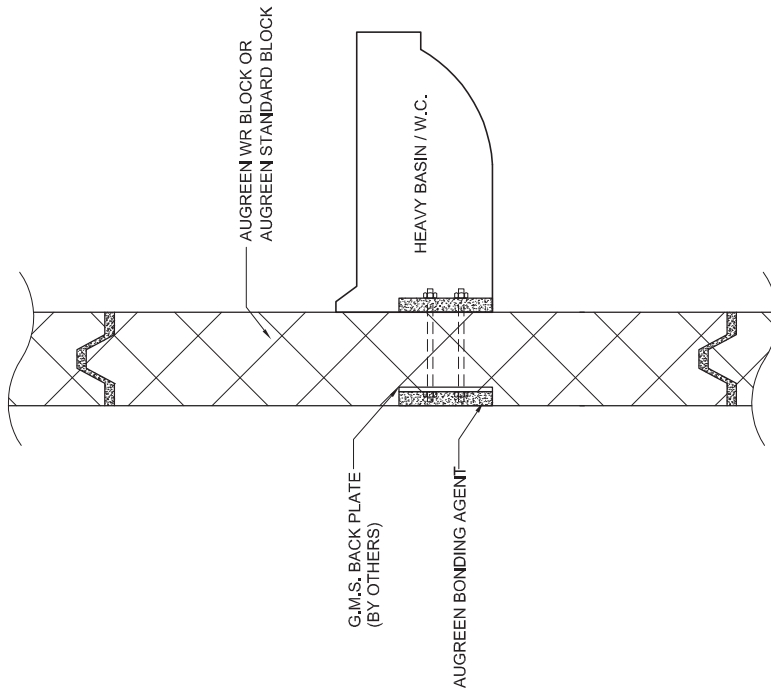


- REMARK :
- FOR WET AREA, WATERPROOFING APPLY UP TO MIN. 300mm HEIGHT.(AUGREEN WR BLOCK SHOULD BE APPLIED HIGHER THAN WATERPROOFING LAYER.)
  - FOR BATH TUB OR SHOWER TRAY, WATERPROOFING APPLY UP TO MIN. 1800mm HEIGHT.(AUGREEN WR BLOCK SHOULD BE APPLIED HIGHER THAN WATERPROOFING LAYER.)
  - FOR CONSTRUCTION SITE AUGREEN WR BLOCK SHALL BE USED AT THE LOWEST COURSE FOR EITHER DRY OR WET AREA, AND INSTALLATION DETAILS DEPENDS ON REAL SITUATION.

NAME & DESIGNATION		INITIAL	DATE	CLIENT:	
AUTH.					
CKD					
DRAWN					

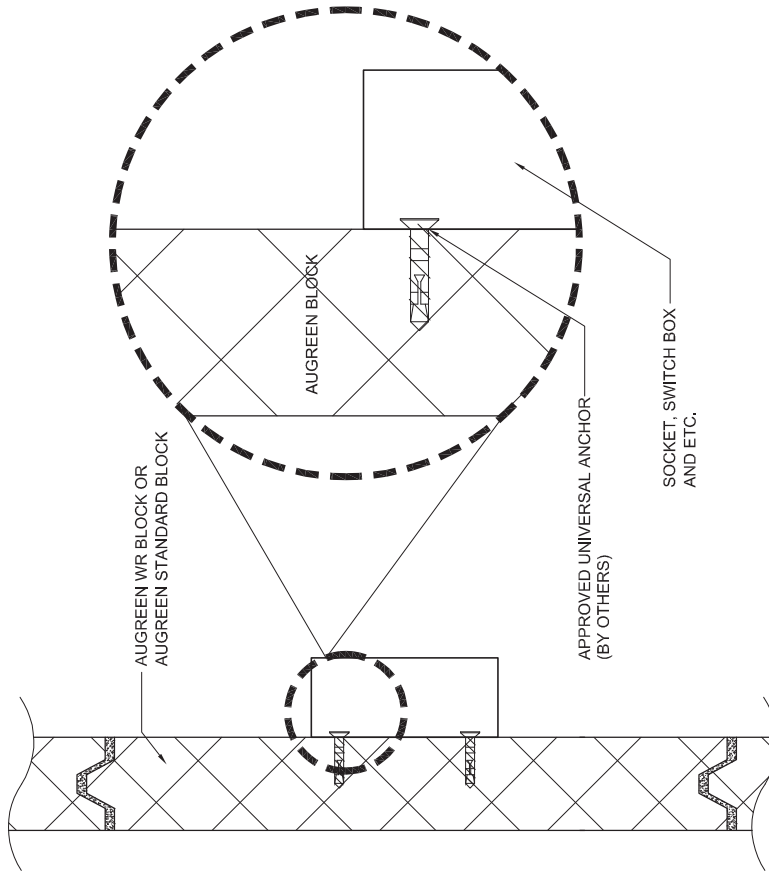
  

CaSO (HK) Engineering Company Limited				CONNECTION DETAIL TO SLAB WITH AUGREEN WR BLOCK AT WET AREA (OPTION B)	
REVISED DATE:		DEC 2017	DWG. NO.	CS-SK-0008	SCALE
					N.T.S.



### HEAVY DUTY LOAD

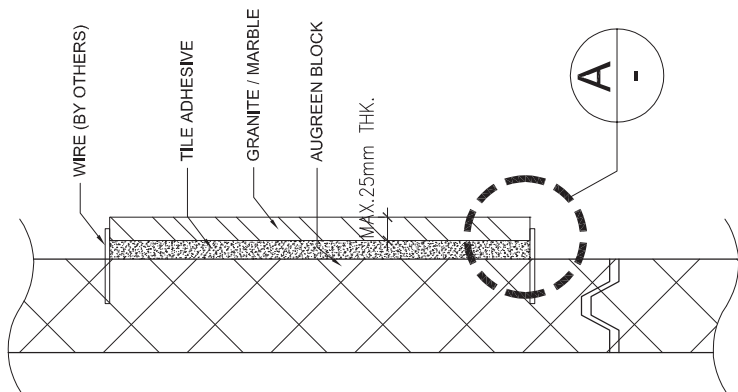
REMARK :  
HEAVY DUTY ANCHOR SHOULD BE USED FOR ANY WALL MOUNTED EQUIPMENT DESIGNED TO SUPPORT LIVE LOAD OR HEAVY DEAD LOAD (E.G. WATER CLOSET, BASIN, FOLDABLE RAILING INSIDE DISABLE TOILET, ETC)



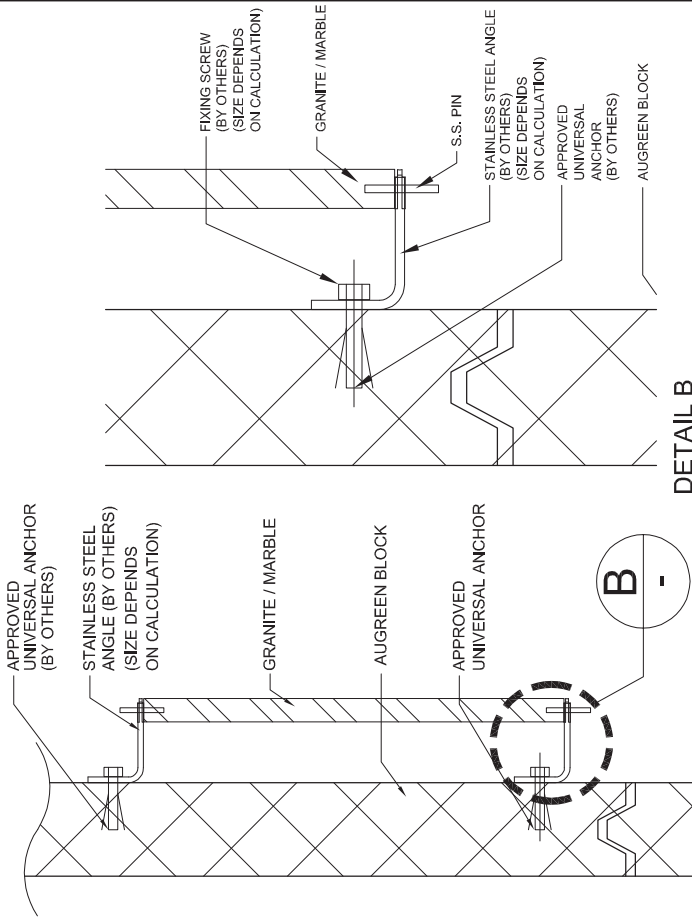
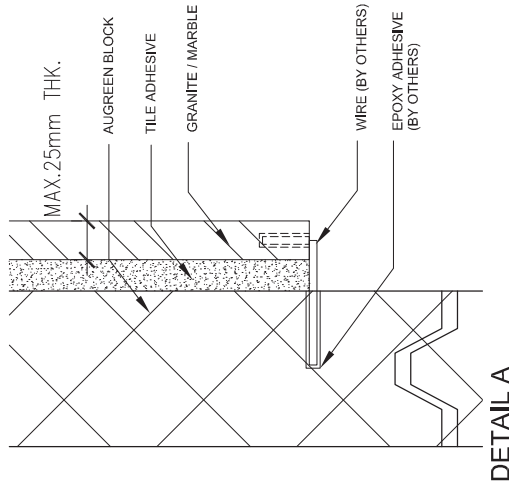
### LIGHT DUTY LOAD

NAME & DESIGNATION		INITIAL	DATE	CLIENT:	
AUTH:					
CHKD					
DRAWN					
DWG. TITLE				LIGHT AND HEAVY DUTY LOAD DETAIL	
REVISED DATE:				DWG. NO.	SCALE
DEC 2017				CS-SK-0009	N.T.S.

CaSO (HK) Engineering Company Limited



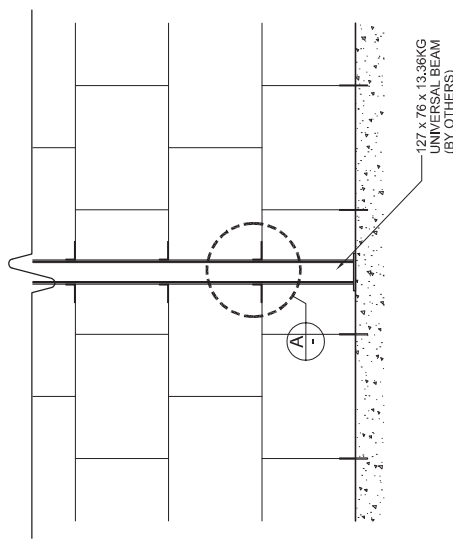
MARBLE / GRANITE FIXING TO  
AUGREEN BLOCK - WET FIXING



MARBLE / GRANITE FIXING TO  
AUGREEN BLOCK - DRY FIXING TYPE

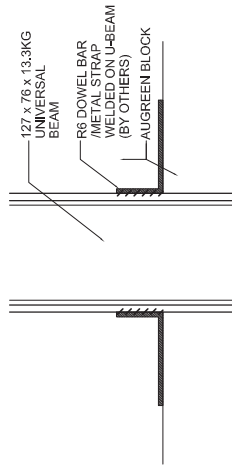
NAME & DESIGNATION		INITIAL	DATE	CLIENT:	
AUTH.				<div>CaSO (HK) Engineering Company Limited</div> <div>FIXING DETAIL OF GRANITE / MARBLE</div>	
CKD				REVISED DATE:	DWG. NO.
				DEC 2017	CS-SK-0010
DRAWN					SCALE
					N.T.S.



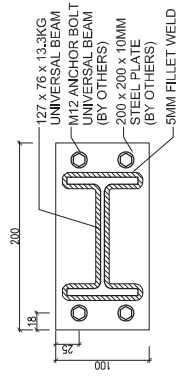


ARRANGEMENT OF VERTICAL STIFFENER

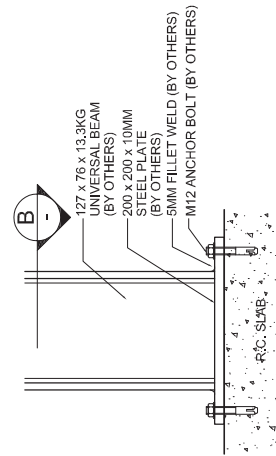
**NOTE :**  
VERTICAL STIFFENER WILL BE USED WHERE THE WALL IS HIGHER THAN 5.5M (80MM THK.), 7M (100MM THK.) & 8M (150MM THK.) . THE LOCATION OF VERTICAL STIFFENER IS REFERRED TO THE MANUFACTURER DESIGN TABLE.



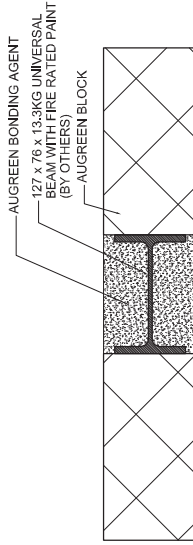
DETAIL A



DETAIL B

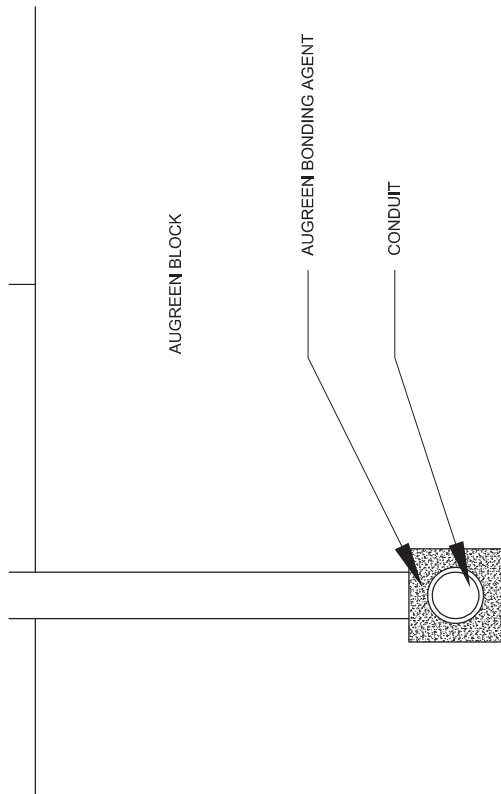


FIXING DETAIL OF VERTICAL STIFFENER

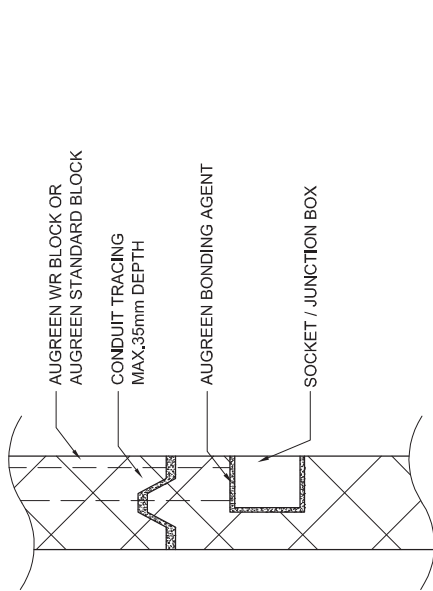


FIRE PROTECTION TO STIFFENER

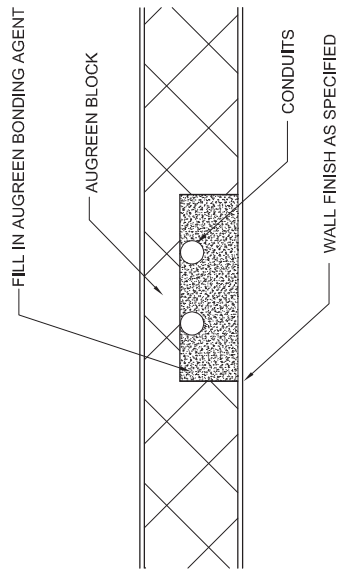
NAME & DESIGNATION		INITIAL	DATE	CLIENT:	
AUTH.				CaSO (HK) Engineering Company Limited	
CKD					
DRAWN					
DWG. TITLE				DETAIL OF STIFFENER INSTALLATION	
REVISED DATE:			DWG. NO.	DEC 2017	CS-SK-0011
					SCALE
					N.T.S.



DETAILS FOR CONDUIT PIPES THROUGH  
FIRE RATED WALL

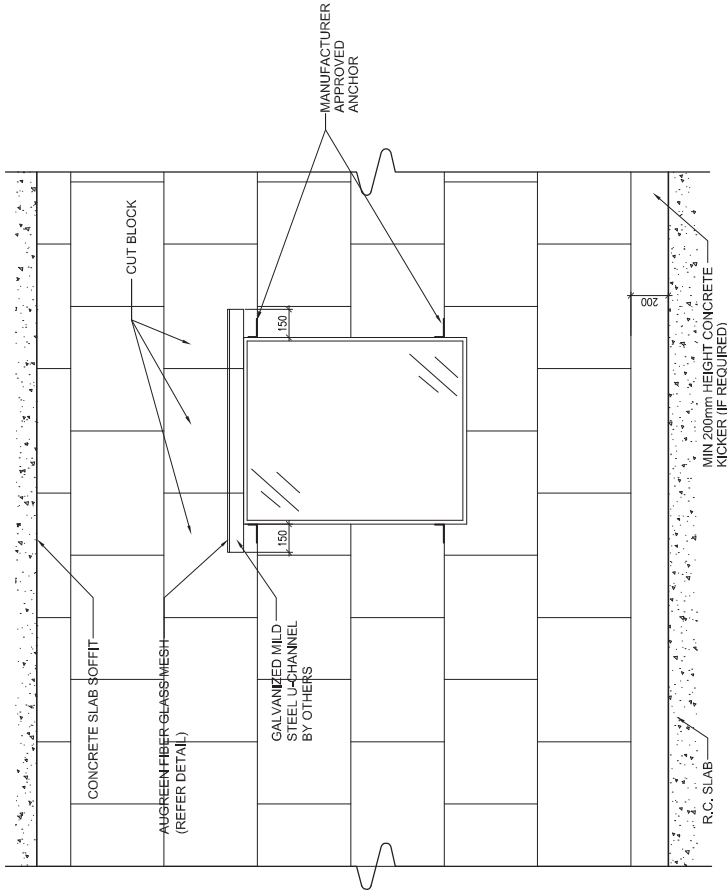


DETAIL OF SOCKET / JUNCTION BOX



TYPICAL DETAIL FOR CONDUIT /  
WATER PIPE INSTALLATION

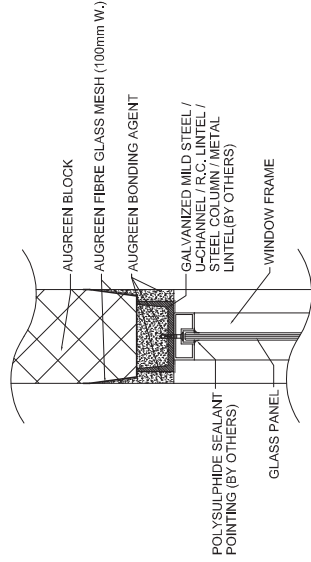
	NAME & DESIGNATION		INITIAL	DATE	CLIENT:		CaSO (HK) Engineering Company Limited		DWG. TITLE		E/M INSTALLATION	
AUTH:												
CKD									REVISED DATE:	DWG. NO.		SCALE
DRAWN									DEC 2017	CS-SK-0012		N.T.S.



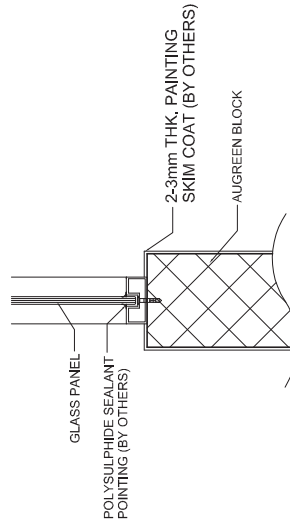
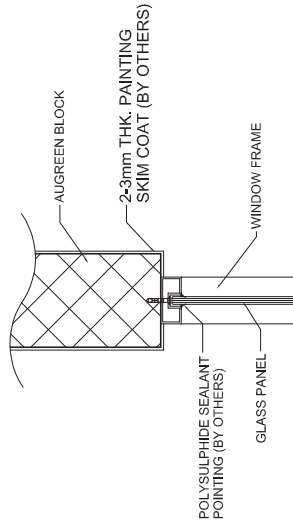
### LINTEL INSTALLATION ABOVE OPENING

**NOTE :**

1. LINTEL WILL BE USED WHEN THE OPENING LARGER THAN 1.5M (FOR 80MM THK.) AND 2M (FOR 100MM THK.). ALL WORKS ARE SUBJECT TO MANUFACTURER'S METHOD STATEMENT.



### DETAIL OF LINTEL WITH FIBRE GLASS MESH



### SECTION FOR INTERNAL GLAZING FIX TO AUGREEN BLOCK

DWG. TITLE		DWG. NO.		SCALE	
FIXING DETAIL OF INTERNAL GLAZING		CS-SK-0013		N.T.S.	
CaSO (HK) Engineering Company Limited		REVISED DATE:		DEC 2017	
AUTH.		DATE		CLIENT	
CHKD		INITIAL			
DRAWN					

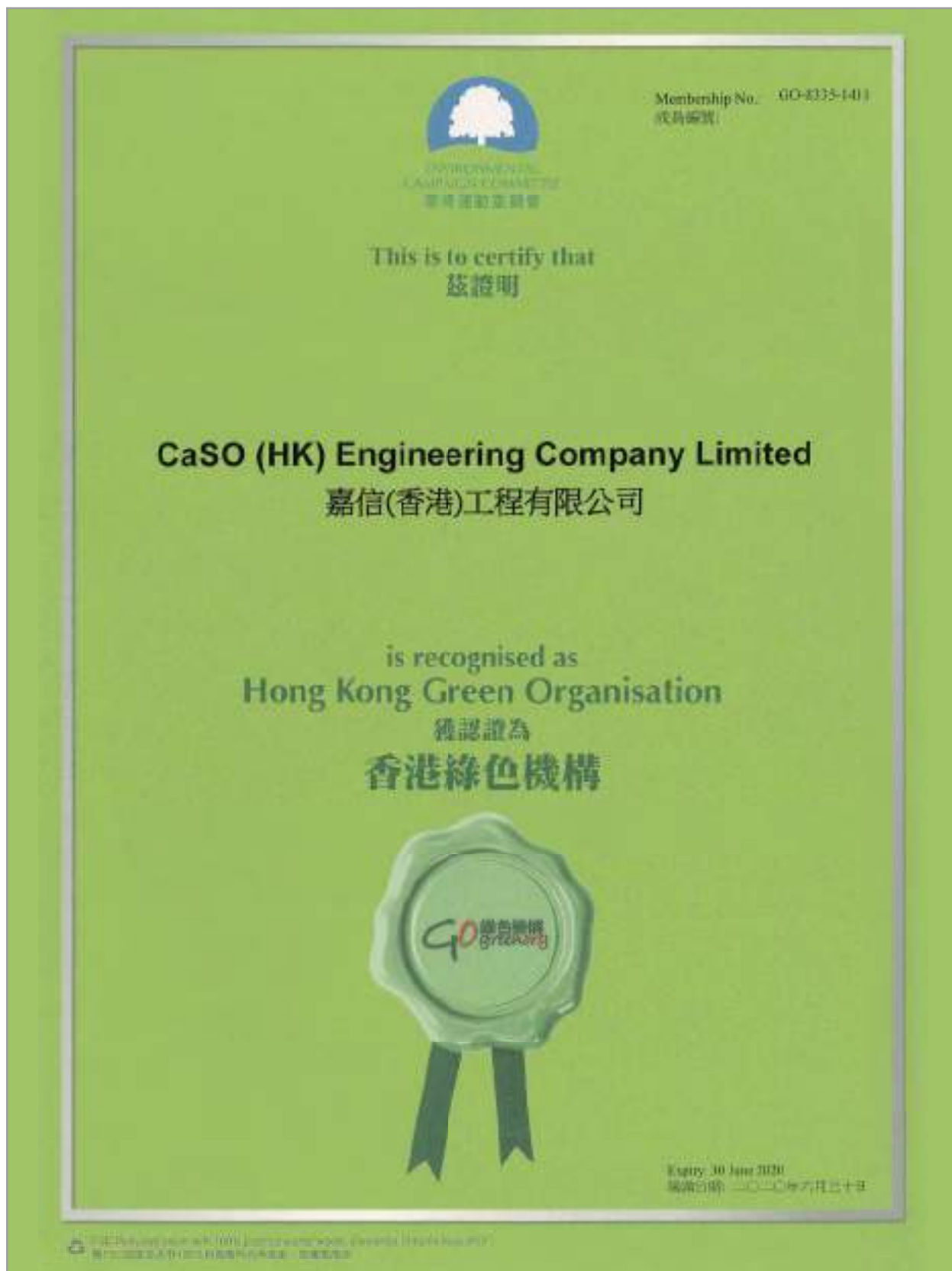
# 6

## **Buildings Department Record**

# 7

## **Corporate Recognition & Awards**

# Hong Kong Green Organisation (HKGO) Certificate



# Hong Kong Awards for Environmental Excellence (HKAEE) 2017

## 香港環境卓越大獎

### Hong Kong Awards for Environmental Excellence

**CaSO**  
Build GREEN Together  
嘉信(香港)工程有限公司  
CaSO (HK) Engineering Company Limited

**金獎**  
Gold Award

中小企業組 — 服務業  
SMEs - Service Industry

嘉信(香港)工程有限公司致力宣傳推廣綠色建築概念，提倡可持續發展。除了於辦公室設計融入大量環保元素，能獲多個綠色建築認證外，更積極向外介紹其環保理念及辦公室的環保設計，推動更多持分者加入環保行列。

CaSO (HK) Engineering Company Limited is devoted to advocating green building concepts and promoting sustainable development. Apart from integrating a lot of green features in its office to attain various green building certifications, the Company also pro-actively shares its environmental values and green design of its offices to external parties and hopes to engage more of its stakeholders to go green together.

辦公室內設計融入大量環保元素，成功取得綠建築評(室內建築)及環境能源管理設計金級認證。

Incorporating a lot of green elements in its office design and successfully attaining certifications like BEAM Plus Platinum (Interiors) and LEED Platinum.

積極與持分者及外間團體分享其在環保方面的環保理念及辦公室的綠色設計元素。


Actively sharing green measures adopted and eco-friendly interior design elements with stakeholders and external parties.

超過一半的辦公室傢俬均採用二手物品，包括窗簾、桌椅、會議桌及文件櫃等。

Adopting sustainable items for more than half of the office furniture, such as window curtains, desks, chairs, conference tables and filing cabinets.

# Hong Kong Green Innovations Award

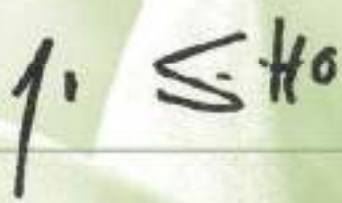
ENVIRONMENTAL CAMPAIGN COMMITTEE 環境運動委員會



In Appreciation of  
茲感謝


**CaSO (HK) Engineering Company Limited**  
嘉信(香港)工程有限公司  
CaSO Sky  
嘉信天空

for its Pursuit of  
Environmental Initiatives and Participation in  
the 2017 Hong Kong Green Innovations Awards  
推動環保不遺餘力及  
參與 2017 香港綠色創新大獎



Mr. Ho On-sing, Thomas, JP  
Chairman, Awards Committee on  
the Hong Kong Awards for Environmental Excellence  
Environmental Campaign Committee  
環境運動委員會  
香港環境卓越大獎委員會主席  
何安誠先生, JP

Date : 4 May 2018  
日期 : 2018年5月4日



ENVIRONMENTAL  
CAMPAIGN COMMITTEE  
環境運動委員會



# HKGBC Green Product Accreditation and Standard (HK G-PASS)



## Certificate of HKGBC Green Product Accreditation and Standards (HK G-PASS) 綠材環評證書

awarded to 嘉信明

**CaSO (HK) Engineering Company Ltd**  
嘉信(香港)工程有限公司

for the Product 其產品  
**AUGREEN Block Wall System**  
澳格林牆體系統

Model No. 型號  
**SB100, HD80 & HD100**

Product Category 產品類別  
**Block for Internal Partition**  
隔牆砌磚

for its compliance with the Assessment Standard of the HK G-PASS and  
this product is rated **PLATINUM**  
符合綠材環評之評核標準並獲得白金評級



**PLATINUM**  
GPASS-L-16905-00(BIP)



By WONG, Edy  
Chairman, Hong Kong Green Building Council Limited  
黃志源  
香港綠色建築有限公司 主席

First Issue Date: 04 October 2017  
首次頒發日期: 2017年10月4日

Renewal Date: —  
更新日期: —

Valid until: 03 October 2020  
有效日期: 2020年10月3日

# Associate Member of the Hong Kong Green Purchasing Charter



## HONG KONG GREEN PURCHASING CHARTER

*Bestowed upon*

***CaSO (HK) Engineering Co., Ltd.***

*As a qualified and cherished Associate Member of the  
Hong Kong Green Purchasing Charter  
and is entitled to all benefits and privileges guaranteed  
by the Charter until*

***30 June 2011***

*Signed on behalf of the*  
**Hong Kong Green Purchasing Charter**



**Chief Executive Officer  
Green Council**



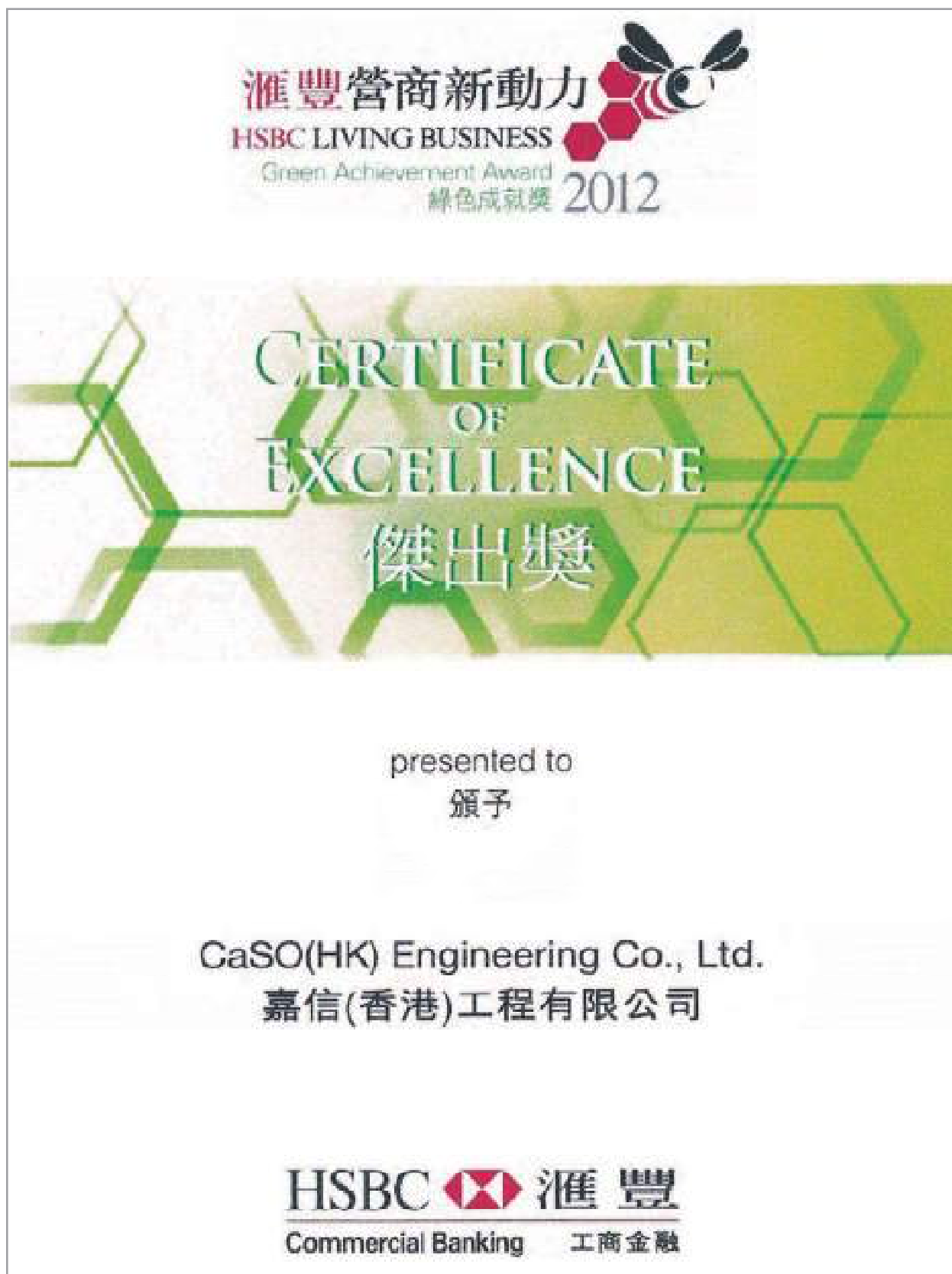
**GREEN COUNCIL  
環保促進會**  
*Organizer and Secretariat*

*Date of Issue: 18<sup>th</sup> March 2010  
Membership No. 107010020*

# Green Building Award 2012 (GBA 2012) - Building Product



# HSBC Living Business Award 2012



# Hang Sang Pearl River Delta Environmental Awards Outstanding Hong Kong SME

## Heng Seng Pearl River Delta Environmental Award Outstanding Hong Kong SME



Organizer



Sponsor



- Hang Seng Pan Pearl River Delta Environmental Awards
- Online Application
- Activities
- Past Awardees
- Success Stories
- Media Interview
- Chinese Environmental Regulations
- Environmental Resource Guidebook
- Contact Us
- Useful links

New

### Past Awardees

2011/12 Awardees



Hang Seng Pearl River Delta Environmental Award Gold Award

Central Textiles Group - Central Fabrics Ltd.



Hang Seng Pearl River Delta Environmental Award Silver Award

- Alliance Construction Materials Ltd.
- Esquel Enterprises Ltd.
- The Hong Kong and China Gas Co., Ltd.



Hang Seng Pearl River Delta Environmental Award Bronze Award

- Chung Tai Printing (China) Co., Ltd.
- Forward Winsome Industries Ltd.
- Hong Kong Aircraft Engineering Co., Ltd.
- Foshan Yu Shun Fu Jewellery & Diamond Co., Ltd.
- MTR Corporation Limited
- The Hongkong Electric Co., Ltd.



Hang Seng Pearl River Delta Environmental Outstanding Hong Kong SME

CaSO (HK) Engineering Co., Ltd.

# Hong Kong Awards for Environmental Excellence 2012



## Certificate of Merit 優異獎

**CaSO (HK) Engineering Co., Ltd.**  
**嘉信(香港)工程有限公司**

**AUGREEN Block Wall System - Innovative and Sustainable Development Cycle**  
**澳格林牆體系統可持續發展循環**

**Mr. LAM Chiu-ying, SBS**  
**Chairman, Environmental Campaign Committee**  
**環境保護運動委員會主席**  
**林超英先生, SBS**



**8**

## **300+ Job References in Hong Kong & Macau**



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## The Church of Jesus Christ of Latter-Day Saints, TKO 耶穌基督後期聖徒教會將軍澳會堂

May 2006

**AUGREEN Block Wall System was used for partitioning offices and meeting rooms in the proposed chapel.**

### Key Benefits

#### ■ Clean & tidy

There is no wet trade so uplifting is easy. Saves on construction waste handling costs.

#### ■ Time & cost saving

Not require plastering and steel stiffeners support up to 7m.



Client: Aedas  
Main Contractor: Fine View Engineering



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## Precious Blood Hospital 寶血醫院 (明愛)

April 2009

**AUGREEN Blocks Wall system was used for partitioning offices, patient rooms and function rooms.**

### Key Benefits

- **Quick installation**  
15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.
- **Clean and tidy**  
No plastering! No wet-trade! No de-bonding!
- **Flexible**  
The required accesses for pipes and services can be chased after building the wall and can be easily changed.
- **Fire resistance**  
80mm AUGREEN Blocks can achieve 2hrs FRP.



Client: Caritas

Architect: Lee Mark & Associates Architects and Surveyors Ltd

Main Contractor: New House

## Church, elderly &amp; hospital projects

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St. Teresa's Hospital -  
School of Nursing

聖德肋撒醫院護士學校

August 2010

**AUGREEN Block Wall System was used for partitioning classrooms, laboratories, washrooms in the nursing school development.**

### Key Benefits

#### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.

#### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding!

#### ■ Save space

Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering & wall of 100mm thickness with 4hrs FRP it can achieve 30mm per wall compared with 100mm concrete block and two layers of plastering.



Client: St. Teresa Hospital  
Architect: LCK  
Main Contractor: Yu Wing

# 143 Tin Tsui Wan (Tin Yip Road) Community Health Centre 天水圍(天業路)社區健康中心

December 2013

## AUGREEN Blocks Wall System was used for room partitions

### Key Benefits

#### ■ Better alignment

4 sides tongue and groove of AUGREEN blocks can make the good alignment of the wall.

#### ■ Relative humidity

It is able to absorb moist from air when the humidity is high.  
It releases moist to air when the humidity level drops.

#### ■ Fire resistance

AUGREEN blocks can achieve up to 2 hours (80mm thick) / 4 hours (100mm thick), which the 80mm thick block is commonly used in wall partition & shop partition while the 100mm thick block is commonly used in basement/E&M room.



Client: Po Leung Kuk  
Architect: ALKF+  
Main Contractor: Forward Engineering Company Limited



## Church, elderly &amp; hospital projects

# 148 Hong Kong Adventist Hospital – Stubbs Road 香港港安醫院 - 司徒拔道

February 2014

**AUGREEN Blocks Wall System is used for partitioning clinic room.**

## Key Benefits

### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.

### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding!

### ■ Hard & strong

AUGREEN block wall can achieve 2kN/m – crowd loading and it is stronger than gypsum boards for clinic partitions.

### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Client: Hong Kong Adventist Hospital  
Architect: Sun Lung Decoration Ltd.  
Contractor: Sun Lung Decoration Ltd.

## 297 Refurbishment of 5AKN in Shau Kei Wan (HKSH - Eastern Medical Center) 養和東區醫療中心

April 2018

**AUGREEN Blocks Wall System EQ55 was used for partitioning pump Room and plant Room.**

### Key Benefits

#### ■ Sound insulation

AUGREEN EQ System attenuates sound by reflecting and absorbing acoustic energy and achieve superb sound insulation. With proven test record, AUGREEN EQ System can achieve from STC55 and up to STC 65.

#### ■ Space saving

The thickness of the wall is only 153mm to reach STC55 while the surface weight is as light as 120kg/m<sup>2</sup> for AUGREEN EQ System.

#### ■ Load bearing

Objects can be directly hung up on the AUGREEN block wall without using any sub-frame with the load bearing capacity up to 45kg/anchorage.



Client: HKSH Medical Group  
Architect: Ronald Lu  
Main Contractor: Paul Y Builders

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## ASD - FSD Diving Base in Stonecutters Island 香港昂船洲消防處潛水基地

June 2008

**AUGREEN Blocks Wall System was used for partitioning offices, toilets and plant rooms.**

### Key Benefits

#### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding.

#### ■ Load bearing

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Client: ASD  
Architect: Design2  
Main Contractor: Sui Chong



# 150 Pak Shing Kok Fire Services Training School 將軍澳百勝角消防訓練學校

March 2014

**AUGREEN Blocks Wall System was used for classroom, meeting room & dormitory.**

### Key Benefits

#### ■ Wall height

Our system does not require 2 layers of plastering, steel frame below 5.5m (80mm), 7m (100mm) door lintels and metal mesh.

#### ■ Better alignment

4 sides tongue and groove of AUGREEN blocks can make the good alignment of the wall.

#### ■ Fire resistance

AUGREEN blocks can achieve up to 2 hours (80mm thick) / 4 hours (100mm thick), which the 80mm thick block is commonly used in wall partition & shop partition while the 100mm thick block is commonly used in basement/ E&M room.



Client: ASD  
Architect: ALKF  
Main Contractor: China State

## Governmental projects

# 155 Tuen Fu Road Disciplined Services Quarters 屯門虎地消防署已婚宿舍

April 2014

**AUGREEN Blocks Wall System was used for bedroom partitioning.**

## Key Benefit

### ■ Save space

Save space – wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering & wall of 100mm thickness with 4hrs FRP it can achieve 30mm per wall compared with 100mm concrete block and two layers of plastering

### ■ Flexible

Flexible - The required accesses for pipes and services can be chased after building the wall and can be easily changed.

### ■ Better alignment

4 sides tongue and groove of AUGREEN blocks can make the good alignment of the wall.



Client: ASD  
Architect: ALKF  
Main Contractor: Kaden





### 247 Hong Kong Children's Hospital 香港兒童醫院

October 6

**AUGREEN Blocks Wall System was used for room partitioning.**

#### Key Benefits

##### ■ Water resistant

AUGREEN Water-Repelling Block (WR) is applicable to be used in potential wet area (bathroom/kitchen), full height WR block for bathroom, kitchen and pipe duct area.

##### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.

##### ■ Wall height

The required wall height is 3.5m, 80mm AUGREEN block wall can be built up to 5.5m without steel frame support.

##### ■ Flexibility

The pipe duct & conduits can be installed and changed after installation of the wall. The layout is flexible to be changed without affecting the site progress.



Client: ASD

Architect: Simon Kwan & Associates Ltd

Main Contractor: China State - Shui On Joint Venture

## Governmental projects



October 2016

**AUGREEN Blocks Wall System is used for room partitioning.**

■ **Sound insulation**

AUGREEN block can achieve high acoustic requirement at different criteria. AUGREEN High Density 100mm block is used as there is requirement for reaching STC46 for partitioning.

■ **Better alignment**

4 sides tongue and groove can help to control the better alignment of the wall. Workmanship is being guaranteed as well.

■ **Fire resistance**

100mm thick AUGREEN block can achieve 4 hours FRR.

■ **Quick installation**

15m<sup>2</sup> - 20 m<sup>2</sup> wall area can be built per man day.

■ **Wall height**

The required wall height is around 6m, 100mm AUGREEN block wall can be built up to 7m comparatively without steel frame support.



Developer: ASD  
Architect: Aecom  
Contractor: Leighton



# 269 Construction of Tuen Mun-Chek Lap Kok link-Northern Connection Sub Sea Tunnel Section 屯門-赤鱓角-北面通風大樓

June 2018

**AUGREEN Blocks Wall System was used for partitioning back of house & basement.**

## Key Benefits

### ■ Wind pressure

AUGREEN block wall is used as an in-fill material for the consideration Of special wind load requirement by the consultant (0.9, 1.1, 2.5 & 3.5kN). AUGREEN 150mm thick block is mainly used in This case. Steel stiffeners is needed while less is used for using AUGREEN block wall system.

### ■ Fire resistance

AUGREEN blocks can achieve up to 4 hours (100mm thick & 150mm thick) block. It saves up to 50mm thickness comparing to using traditional block wall in fulfilling 4 hours FRP.

### ■ Load-bearing

Objects can be directly hung up on the AUGREEN block wall as a non load-bearing wall. The wall can be drilled and tailed. Fixing details is in enclosed technical drawing.



Client: Highways Department  
Architect: ARUP  
Main Contractor: Dragages – Bouygues Joint venture

## 278 Construction of Liangtang/Heung Yuen Wai Boundary Control Point – BCP Buildings and Associated Facilities 蓮塘過境大樓項目

Aprl 2018

**AUGREEN Blocks Wall System was used for basement/car park development.**

### Key Benefits

#### ■ No steel frame

No steel frame is needed for using 100mm thick block below 7m headroom.

#### ■ Fire resistance

AUGREEN blocks can achieve up to 4 hours (100mm thick), which is suitable for using in carpark/ basement area.

#### ■ No plastering

No plastering is needed on AUGREEN block wall, direct painting / wall treatment can be applied.



Client: ASD  
Architect: Ronald Lu  
Main Contractor: Leighton Asia



## 306 Temporary Maternal and Child Health Center in Yau Ma Tei 油麻地友翔道臨時母嬰健康院

August 2019

**AUGREEN Blocks Wall System was used for office partition.**

### Key Benefits

#### ■ High headroom

AUGREEN 100mm thick block is used and no steel stiffener is needed in the case.

#### ■ Fire resistance

AUGREEN blocks can achieve up to 4 hours (100mm thick), which is with E&M conduits installed.



Client: Highway

Architect: Arup-Mott MacDonald Joint Venture

Main Contractor: Build King – SKEC Joint Venture

## Hotel and residential projects

# 3

## Chianti - Discovery Bay Phase 13 尚堤 - 愉景灣13期

November 2004

**AUGREEN Blocks Wall System was used for partitioning of higher walls.**

### Key Benefits

#### ■ FRP requirement

100mm thick AUGREEN Block Wall can achieve 4 hours FRP, it can be widely used at plant room in podium or G/F.

#### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.

#### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding.

#### ■ Wall height

Our system does not require 2 layers of plastering, steel frame below 5.5m (80mm), 7m (100mm) door lintels and metal mesh.



Client: HK Resort  
Architect: CYS  
Main Contractor: Hanison Construction

# 32 66C Deep Water Bay Road 深水灣道66C號

February 2007

**AUGREEN Block Wall System was used for partitioning bedrooms, kitchens and bathrooms.**

### Key Benefits

#### ■ R.H. regular

Gypsum is able to absorb moisture from air when the humidity level is high and release moisture when the humidity falls.

#### ■ Clean & tidy

No plastering required. No wet trade on site.

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Client: G-Design  
Main Contractor: DC Confidant



## Hotel and residential projects

### 37 SOHO 38 – Shelly Street, Sheung Wan Soho 38 - 上環些利街

May 2007

**AUGREEN Blocks Wall System was applied for partitioning bedrooms, kitchens and bathrooms.**

#### Key Benefits

##### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding.

##### ■ Save space

AUGREEN Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering.

##### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Client: Kerry Properties  
Architect: LKPL  
Main Contractor: Grand Tech



## 38

## Un Chau Street Southern Lodge 元州街尚南天



June 2007

**AUGREEN Blocks Wall System was used for partitioning bedrooms, back of houses in the Southern Lodge.**

### Key Benefits

#### ■ More space

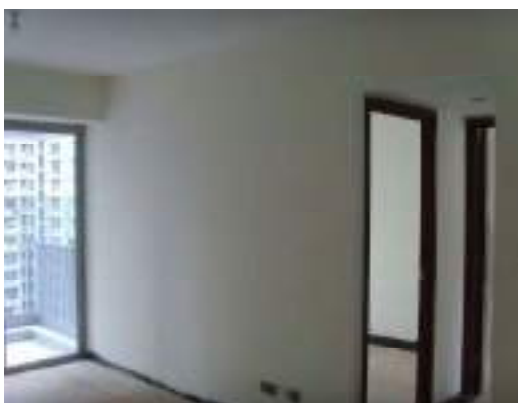
80mm thick AUGREEN Blocks can achieve 50mm per wall comparing 100mm concrete blocks with 2 x 15mm plastering.

#### ■ Fire resistance

80mm thick AUGREEN Blocks can achieve 2 hrs FRP.

#### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding



Client: Billion Development  
Architect: ALKF  
Main Contractor: To's Universe

## Hotel and residential projects



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### SkyCity Marriott Hotel 香港天際萬豪酒店

October 2007

**AUGREEN Blocks Wall System was applied for partitioning hotel bedrooms, ball rooms, back of houses.**

#### Key Benefits

- **Quick installation**

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.

- **Clean & tidy**

No plastering! No wet-trade! No de-bonding!

- **Load bearing**

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.

- **Flexible**

The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Client: Airport Authority  
Architect: Aedas  
Main Contractor: Dragages

# 46

## The Brand – Yuen Long Tai Tong Road 名御 – 元朗大棠路

December 2007

**AUGREEN Block Wall System was used for partitioning bedrooms, kitchens and bathrooms.**

### Key Benefits

#### ■ Save space

AUGREEN Block Wall System is made to be light and thin, compared to a 100mm-thick concrete wall with 2 layers of 15mm-thick plastering.

#### ■ Clean and Tidy

No plastering! No wet trade! No de-bonding!

#### ■ Flexible

The access of pipes and service can be chased after installation of the wall. The layout is flexible to be changed without affecting the site progress.

#### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> can be built per man day.



Architect: CM Wong  
Main Contractor: Lermond Engineering Ltd.



## Hotel and residential projects

### 67 32 Stanley Village Road 赤柱村道32號

February 2009

**AUGREEN Block Wall System** was used for partitioning bed rooms, kitchens and bathroom.

#### Key Benefits

##### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.

##### ■ Save space

Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering & wall of 100mm thickness with 4hrs FRP it can achieve 30mm per wall compared with 100mm concrete block and two layers of plastering.

##### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.

##### ■ Better alignment

4 sides tongue and groove of AUGREEN Blocks can make the good alignment of the wall.



Client: Yu Tai Hing  
Architect: S W Law Architects

## Hotel and residential projects



68

7 South Bay Close  
南灣坊7號

April 2009

**AUGREEN Block Wall System was used for partitioning bed rooms, kitchens and bathroom.**

### Key Benefits

#### ■ Clean & tidy

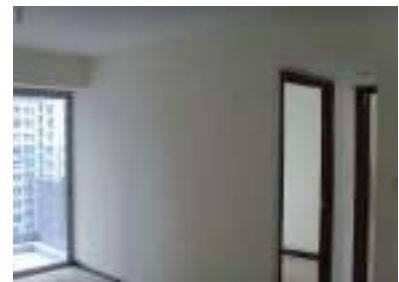
Clean & tidy - No plastering! No wet-trade! No de-bonding.

#### ■ Load bearing

Load bearing - Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.

#### ■ Save space

Save space - wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering & wall of 100mm thickness with 4hrs FRP it can achieve 30mm per wall compared with 100mm concrete block and two layers of plastering.



Client: BC&A ( HK ) Ltd.  
Main Contractor: New House

## Hotel and residential projects

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## Residential development at Lok Chui Street, Tuen Mun (Rename: Marray Bay)

### 美利海灣住宅發展 – 屯門樂翠街

December 2009

**AUGREEN Block Wall System was used for partitioning bed rooms, kitchens and bathroom.**

### Key Benefits

#### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.

#### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding!

#### ■ Save space

Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering & wall of 100mm thickness with 4hrs FRP it can achieve 30mm per wall compared with 100mm concrete block and two layers of plastering.

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed



Client: Yu Tai Hing  
Architect: S W Law Architects  
Main Contractor: Yu Wing



# 106 Residential development at Yuk Yat Street, Tokwawan (Rename: Bayview) 港圖灣住宅發展 – 土瓜灣旭日街

May 2012

**AUGREEN block wall system is applied for partitioning bed rooms.**

### Key Benefits:

#### ■ RH regulator

It is able to absorb moist from air when the humidity level is high. It releases moist to air when the humidity level drops.

#### ■ Clean & tidy

No plastering! No wet trade! No de-bonding!

#### ■ Flexibility

The pipe and service can be installed and changed after installation of the wall. The layout is flexible to be changed without affecting the site progress.

#### ■ Better alignment

4 sides tongue and groove of AUGREEN blocks can make the good alignment of the wall.



Client : Kerry Properties  
Architech : LWK & Partners  
Main Contractor : Wing Sum

## Hotel and residential projects

# 108 M1 Hotel Mong Kok M1旺角酒店

May 2012

**AUGREEN Blocks Wall System was used for partitioning shops, toilets and back of houses.**

### Key Benefits

#### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.

#### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding

#### ■ Load bearing

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also drilled and tailed

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed



Client: Vantage Int'l  
Architect: Ho & Partners  
Main Contractor: Group Rich





### 115 Harbour Bay Hotel 維港灣酒店

December 2012

**AUGREEN Blocks Wall System was used for partitioning Bedrooms, kitchens and bathrooms.**

#### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding

#### ■ Lightweight

The loading of AUGREEN Block is only 900kg/m<sup>3</sup> (100mm), 750kg/m<sup>3</sup> (80mm), which can be used for decoration works in existing building

#### ■ Save space

Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering & wall of 100mm thickness with 4hrs FRP it can achieve 30mm per wall compared with 100mm concrete block and two layers of plastering



Client: Winfine Mgt  
Architect: Wong Man Hong  
Main Contractor: Lee Tong E&M

## Hotel and residential projects

# 120 Double Cove Phase II 迎海·星灣二期

October 2012

**AUGREEN Blocks Wall System is used for partitioning room, Bathroom, kitchen & pipe duct.**

### Key Benefits

#### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.

#### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding.

#### ■ Better alignment

4 sides tongue and groove of AUGREEN blocks can make the good alignment of the wall.

#### ■ Flexibility

The pipe and service can be installed and changed after installation of the wall. The layout is flexible to be changed without affecting the site progress.



**Low-resolution**

Client: Henderson, New World  
Architect: Dennis Lau & Ng Chun Man Architects  
Contractor: Heng Shun – Hip Hing (JV)

# 130 Residential development at Clarence Terrace, Shek Tong Tsui (Rename: High West) 曉譽住宅發展 – 石塘咀加倫臺

December 2013

**AUGREEN Blocks Wall System was used for partitioning room, kitchen & bathroom.**

### Key Benefits

#### ■ Water resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (bathroom/kitchen) with proposal in installing one layer of WR Blocks either on skirts or not; then installing our Standard Blocks up to the ceiling. For bathroom area, full height WR blocks is suggested.

#### ■ Save space

Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block. Plastering.

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Client: Henderson Land Development Company Limited  
Architect: Ie, Siu & Chung Architects Ltd  
Main Contractor: Heng Lai Construction Co., Ltd



# 139 Residential development at Kwai Heung Street, Sai Ying Pun (Rename: The Met Sublime) 薈臻住宅發展 - 西營盤桂香街

December 2013

**AUGREEN Blocks Wall System was used for podium, club house & shop partitions.**

## Key Benefits

### ■ Water resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area(bathroom/kitchen) with proposed in installing one layer of WR blocks either on skirts or not; then installing our standard block up to the ceiling. For bathroom area, full height WR blocks is suggested.

### ■ Save space

Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering.

### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Client: Wang On  
Architect: Lu Tang Lai Architect  
Main Contractor: Unistress Building Construction Limited

# 145 Residential development at Castle Peak Road, Cheung Sha Wan (Rename: Heya Delight) 喜盈住宅發展 - 長沙灣青山道

February 2014

**AUGREEN Blocks Wall System was used for partitioning podium, club house and shop partitions.**

### Key Benefits

- **Quick installation**  
15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.
- **Clean & tidy**  
No plastering! No wet-trade! No de-bonding
- **Load bearing**  
Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.
- **Flexible**  
The required accesses for pipes and services can be chased after building the wall and can be easily changed. Wo



Client: Housing Authority  
Architect: DLN  
Main Contractor: Chun

# 146 Residential development at Castle Peak Road, Cheung Sha Wan (Rename: Heya Star) 喜韻住宅發展 - 長沙灣青山道

February 2014

**AUGREEN Blocks Wall System was used for partitioning podium, club house and shop partitions.**

## Key Benefits

### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.

### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding

### ■ Load bearing

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.

### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Client: Housing Authority  
Architect: DLN  
Main Contractor: Chun Wo



# 203 Residential development at Ma Tau Wai Road, Hung Hom (Rename: Axis) 傲形住宅發展 - 紅磡馬頭圍道

May 2016

**AUGREEN Blocks Wall System is used for room partitioning.**

### ■ Clean & tidy

No plastering and no wet trade.

### ■ Water resistant

AUGREEN Water-Repelling Block (WR) is applicable to be used in potential wet area (bathroom/kitchen), full height WR block for bathroom, kitchen and pipe-duct area.

### ■ Flexibility

The pipe duct & conduits can be installed and changed after installation of the wall. The layout is flexible to be changed without affecting the site progress.



Developer: Henderson  
Architect: T.K. Tsui  
Contractor: Heng Tat

## Hotel and residential projects

# 267 Residential Development at Fo Chun Road, Pak Shek Kok (Rename: The Horizon) 海日灣住宅發展 - 白石角

February 2018

**AUGREEN Blocks Wall System was used for partitioning toilets and back of houses.**

### Key Benefits

#### ■ Water Resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (bathroom/kitchen).

#### ■ Fire resistance

AUGREEN blocks can achieve up to 2 hours (80mm thick), which the 80mm thick block is used for room/toilet partition up to 1.8m for shower area.

#### ■ Save Space

80mm thick AUGREEN block can be used to save up to 50mm since NO plastering is needed on AUGREEN block wall.

#### ■ Load-bearing

Objects can be directly hung up on the AUGREEN block wall as a non load-bearing wall. The wall can be drilled and tailed. Fixing details is in enclosed technical drawing.



Client: Billion Development  
Architect: ALKF  
Main Contractor: Hien Lee Engineering Co., Ltd



# 277 Residential development at Kotewall Road, Mid-Levels (Rename: University Heights) 大學閣住宅發展 - 香港半山旭龔道

April 2009

**AUGREEN Blocks Wall System was used for partitioning wall, toilets and back of houses.**

### Key Benefits

#### ■ Water resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (bathroom/kitchen) with proposal in installing one layer of WR Blocks either on skirts or not; then installing our Standard Blocks up to the ceiling. For bathroom area, full height WR blocks is suggested.

#### ■ Fire resistance

AUGREEN blocks can achieve up to 2 hours (80mm thick), which the 80mm thick block is used for room/toilet partition.

#### ■ Save space

80mm thick AUGREEN block can be used to save up to 50mm since NO plastering is needed on AUGREEN block wall.



Client: Chinachem  
Architect: ALKF  
Main Contractor: China Overseas (HK) Co., Ltd

## Hotel and residential projects

## 279 Residential Development at Yeung Uk Road (Rename: Aurora) 映日灣住宅發展 – 荃灣楊屋道

February 2018

**AUGREEN Blocks Wall System was used for room partition  
toilets and back of houses.**

### Key Benefits

#### ■ Water resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (bathroom/kitchen).

#### ■ Tile fixing

Tiles within 25mm thick can be directly installed on AUGREEN block with compatible tile adhesive system recommended with test provided.

#### ■ Save space

80mm thick AUGREEN block can be used to save up to 50mm since NO plastering is needed on AUGREEN block wall.

#### ■ Load-bearing

Objects can be directly hung up on the AUGREEN block wall as a non load-bearing wall. The wall can be drilled and tailed. Fixing details is in enclosed technical drawing.



Client: Billion Development  
Architect: ALKF  
Main Contractor: Wing Sum

# 300 Residential Development at Shouson Hill West 壽臣山西住宅發展

April 2019

**AUGREEN Blocks Wall System was used for partitioning toilets and back of houses.**

### Key Benefits

#### ■ Load-bearing

Objects can be mounted on AUGREEN block wall system directly With suitable screw (e.g. Hilti/Fischer/Ramset); while tiles can be fixed directly on AUGREEN block with tile adhesive within (25mm).

#### ■ Fire resistance

The AUGREEN 80mm block achieves 2 hours FRP while the 100mm Block achieves 4 hours FRP that is suitable for most residential, Commercial or infrastructure.

#### ■ Water resistance

The AUGREEN 80mm thick water-repelling block is used for toilet room/toilet partition up to 1.8m



Client: Emperor Group  
Architect: Alkf  
Main Contractor: Paul Y Builders



## Hotel and residential projects

### 309 Residential Development at Muk Tai Street, Kai Tak (Rename: K.SUMMiT) 嘉峯匯住宅發展 – 啟德沐寧街

August 2019

**AUGREEN Blocks Wall System was used for partitioning wall, toilets and back of houses.**

#### Key Benefits

##### ■ Water resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (bathroom/kitchen) with proposal in installing one layer (333mm) of WR Blocks either on skirts or not; then installing our standard Blocks up to the ceiling. For bathroom area, full height WR blocks is suggested.



##### ■ Fire resistance

AUGREEN blocks can achieve up to 2 hours (75mm thick), which is with E&M conduits installed.



##### ■ Save space

75mm thick AUGREEN block can be used to save up to 30-50mm since NO plastering is needed on AUGREEN block wall.



Client: Ka Wah  
Architect: Wong Tung  
Main Contractor: Grand Tech

# 312 Residential Development at Lee Nam Road, APIL 136, Ap Lei Chau 鴨脷洲利南道臨海住宅

December 2019

**AUGREEN Blocks Wall System was used for partitioning bedroom, kitchen and toilets.**

### Key Benefits

#### ■ Water Resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (bathroom/kitchen).

#### ■ Fire Resistance

AUGREEN blocks can achieve up to 2 hours (80mm thick), which the 80mm thick block is used for room/toilet partition up to 1.8m for shower area.

#### ■ Save Space

80mm thick AUGREEN block can be used to save up to 50mm since NO plastering is needed on AUGREEN block wall.

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Client: KWG Groups Holdings  
Architect: DLN  
Main Contractor: Hip Hing



## Shopping malls and cinema projects

4

## Kam Sing Cinema 金聲戲院

November 2004

**AUGREEN Block Wall System was used for the sound insulation partitions.**

### Key Benefits

#### ■ Sound insulation

Sound insulation - Wall of 100mm thickness achieves STC 41, without plastering & 2 x 80mm thickness with 20mm rock wool can be achieves STC58

#### ■ Lightweight

Lightweight - the loading of AUGREEN Block is only  $900\text{kg/m}^3$  (100mm),  $750\text{kg/m}^3$  (80mm), which can be used for decoration works in existing building

#### ■ Load bearing

Load bearing - Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also drilled and tailed



Client: Newport  
Architect: AGC  
Main Contractor: Shing Ming Construction

# 5

## Ho King Commercial Centre 好景商業中心

February 2005

**AUGREEN Block Wall System is applied for shop partition.**

### Key Benefits

- **Save space**  
Wall of 80mm thickness with 2hrs FRP.
- **Lightweight**  
The loading of AUGREEN Block is only 750kg/m<sup>3</sup> (80mm), which can be used for decoration works in existing building
- **Clean & tidy**  
No wet trade so uplifting is easy.
- **Load bearing**  
Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.



Client: K&K  
Architect: K&K  
Main Contractor: China Alliance

## Shopping malls and cinema projects

9

Fashion Walk  
名店坊

October 2005

**AUGREEN Block Wall System was used for partitioning plant rooms and shops.**

## Key Benefits

## ■ Quick installation

AUGREEN Block can be built 15m<sup>2</sup>-20m<sup>2</sup> per man day.

## ■ Clean &amp; tidy

There is no wet trade so uplifting is easy. Saves on construction waste handling costs.

## ■ Save space

Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering & wall of 100mm thickness with 4hrs FRP it can achieve 30mm per wall compared with 100mm concrete block and two layers of plastering



Client: Hang Lung  
Architect: SLHO  
Main Contractor: Martin Construction



## Shopping malls and cinema projects

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### Windsor House 皇室堡

???

**100mm thick AUGREEN Block Wall System is applied for partitioning shops, toilets and back of houses.**

#### Key Benefits

##### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding.

##### ■ Lightweight

The loading of AUGREEN Block is only  $900\text{kg/m}^3$  (100mm),  $750\text{kg/m}^3$  (80mm), which can be used for decoration works in existing building.

##### ■ Load bearing

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.

##### ■ Save space

Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering & wall of 100mm thickness with 4hrs FRP it can achieve 30mm per wall compared with 100mm concrete block and two layers of plastering.



Client: Chinese Estates  
Architect: AGC  
Main Contractor: W.H. Construction

## Shopping malls and cinema projects

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## I-SQUARE - Hyatt Hotel Redevelopment 凱悅酒店重建

September 2008

**AUGREEN block wall system was used for partitioning shops, toilets and back of houses.**

### Key Benefits

#### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding.

#### ■ Save space

Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering & wall of 100mm thickness with 4hrs FRP it can achieve 30mm per wall compared with 100mm concrete block and two layers of plastering.

#### ■ Flexibility

The pipe duct & conduits can be installed and changed after installation of the wall. The layout is flexible to be changed without affecting the site progress and without steel frame support.



Client: Associates International Hotels Ltd  
Architect: Rocco  
Main Contractor: Gammon



# 62 Tung Ying Building Redevelopment (Rename: The One) 東英大廈重建（已改名為：The One）

October 2008

**AUGREEN block wall system is being applied for cavity walls along the R.C. wall in the B1-B4 and back of houses.**

### Key Benefits

#### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding.

#### ■ Save space

Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering & wall of 100mm thickness with 4hrs FRP it can achieve 30mm per wall compared with 100mm concrete block and two layers of plastering.

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.

#### ■ Saving steel stiffener

100mm thick AUGREEN Blocks wall can be built up to 7m high without steel stiffeners.



Client: Chinese Estates  
Architect: LWK  
Main Contractor: Gammon

## Shopping malls and cinema projects

71

Tin Shui Wai Chung Fu Shopping Centre  
(Phase 2)

天水圍頌富廣場（二期）

July 2009

**AUGREEN Blocks Wall System** was used for partitioning shops, toilets and back of houses.

## Key Benefits

## ■ Clean &amp; tidy

No plastering! No wet-trade! No de-bonding!

## ■ Lightweight

The loading of AUGREEN Block is only  $900\text{kg/m}^3$  (100mm),  $750\text{kg/m}^3$  (80mm), which can be used for decoration works in existing building.

## ■ Load bearing

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.

## ■ No steel frame

100mm thick AUGREEN Blocks wall can be built up to 7m high without steel stiffeners.



Client: Housing Authority  
Main Contractor: Hanison

## Shopping malls and cinema projects



Low-resolution

91

**Hysan Place**  
希慎廣場

April 2011

**AUGREEN block wall system is used for partitioning offices.**

### Key Benefits

#### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.

#### ■ Save space

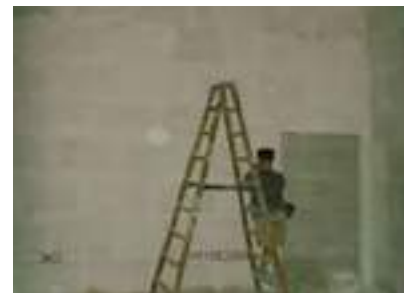
Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering & wall of 100mm thickness with 4hrs FRP it can achieve 30mm per wall compared with 100mm concrete block and two layers of plastering

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.

#### ■ Fire resistance

80mm and 100mm AUGREEN Block Wall System have passed the 2 hours and 4 hours Fire Resistant Poly (FRP) test respectively.



Client: Hysan

Architect: Dennis Lau &amp; Ng Chun Man Architects

Main Contractor: Gammon



## Shopping malls and cinema projects



# 104 Tai Yuen Estate Shopping Centre – The Link 大埔大元邨商場

October 2011

**AUGREEN block wall system was used for partitioning shops and back of house.**

## Key Benefits

- **Save space**  
100mm thick AUGREEN Blocks can save 125mm per compared to 225mm concrete blocks to achieve 4 hrs FRP.
- **Clean & tidy**  
No wet trade; good uplifting is easy. Saving on construction waste handling cost.
- **Quick installation**  
No plastering required; 15-20m<sup>2</sup> can be built per man day
- **Lightweight**  
900kg/m<sup>3</sup> can fulfil the loading requirement.
- **No steel frame**  
100mmthick AUGREEN Blocks wall can be built up to 7m high without steel stiffeners.



Client : The Link  
Architech : LD Asia  
Main Contractor : Ray On

# 124 Choi Wan Commercial Complex 彩雲邨商場

May 2013

**AUGREEN block wall system is used for partitioning shops and back of house.**

### Key Benefits

- **Quick installation**  
15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day
- **Flexible**  
The required accesses for pipes and services can be chased after building the wall and can be easily changed
- **Load bearing**  
Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed



Client: The Link Management  
Architect: Associate Architect Ltd  
Main Contractor: Wan Chung Construction Company Ltd



## Shopping malls and cinema projects

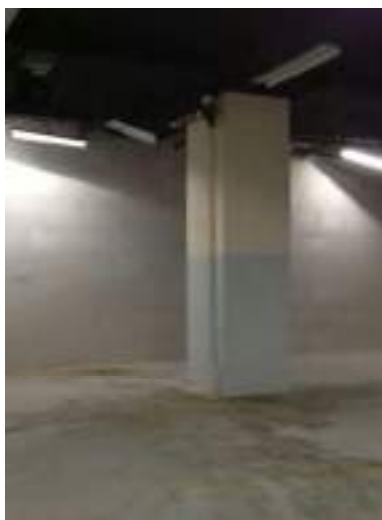
# 126 Kowloon City Plaza 九龍城廣場

February 2014

**AUGREEN Blocks Wall System is used for partitioning retail shops.**

## Key Benefits

- **Quick installation**  
15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.
- **Clean & tidy**  
Clean & tidy – No plastering! No wet-trade! No de-bonding.
- **Flexible**  
The required accesses for pipes and services can be chased after building the wall and can be easily changed.
- **Save space**  
Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering.



Client: Pamfleet with ninety million Hong Kong dollars  
 Architect: Ho Tin Architect Co. Ltd  
 Contractor: Milestone Builder Engineering Ltd.

## Shopping malls and cinema projects



### 129 Smartland, Tsuen Wan 荃薈

May 2013

**AUGREEN block wall system is used for partitioning shops.**

#### Key Benefits

- **Quick installation**  
15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.
- **Flexible**  
The required accesses for pipes and services can be chased after building the wall and can be easily changed.
- **Save space**  
Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering.



Client: ARA Asset Management (Fortune) Limited  
Main Contractor: T&D Engineering Ltd

## Shopping malls and cinema projects



147

## Lung Cheung Plaza, Wong Tai Sin

### 黃大仙龍翔廣場

February 2014

**AUGREEN Blocks Wall System is used for partitioning retail shop.**

### Key Benefits

#### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.

#### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding!

#### ■ No door lintel

No door / opening lintel is required for openings less than 1.5m (80mm)/2m (100mm) width.

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Client: The Link  
Architect: Aedas  
Contractor: Yat Sing B & D Limited



# 8

## SkyPlaza Building Works in Airport 香港國際機場二期翔天廊

November 2005

**AUGREEN Blocks Wall System was used for partitioning changing rooms, offices, back of house in the airport.**

### Key Benefits

#### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding

#### ■ Labour-effective

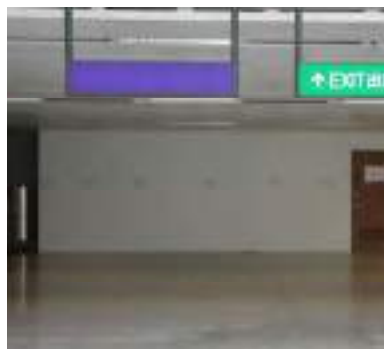
100m<sup>2</sup> block wall can be built in 3 days.

#### ■ Fire resistance

80mm thick AUGREEN Block Wall can achieve 2hrs FRP.

#### ■ Time & cost saving

Not require plastering and steel stiffeners support for the wall height under 7m. it can save money for handling construction waste.



Client: Airport Authority  
Architect: Adedas  
Main Contractor: Chun Wo - Fujita JV



## 11

## Restaurant at Wing Fung Street, Wan Chai 灣仔永豐街

November 2005

**AUGREEN Block Wall System is used for partitioning toilet rooms and dumbwaiter wall in the restaurant.**

### Key Benefits

- **Save space area**  
80mm thickness AUGREEN Block wall can achieve 2hrs FRP.
- **Time & cost saving**  
Not require plastering and steel stiffeners support up to 5.5m (As shown as above).



Client: Swire Properties  
Architect: LWK  
Main Contractor: Hanison Contractors

# 28

## Station commercial works at MTR Hong Kong Station Phase 1 港鐵香港站商鋪

November 2006

**AUGREEN Blocks Wall System was used for partitioning shops at MTR Hong Kong Station.**

### Key Benefits

#### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.

#### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding.

#### ■ Wall height

Our system does not require 2 layers of plastering, steel frame below 5.5m (80mm), 7m (100mm) door lintels and metal mesh.

#### ■ Lightweight

Lightweight - the loading of AUGREEN Block is only 900kg/m<sup>3</sup> (100mm), 750kg/m<sup>3</sup> (80mm), which can be used for decoration works in existing building.

#### ■ Load bearing

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also drilled and tailed.



Client: MTR  
Main Contractor: Goldfield N & W

## Commercial projects

40

TKO South Station  
將軍澳南站

August 2007

**AUGREEN Block Wall System was use for partitioning wind-loading (i.e. 1KPa) partitions for back of house.**

### Key Benefits

#### ■ Lightweight

The loading of AUGREEN Block is only  $900\text{kg/m}^3$  (100mm),  $750\text{kg/m}^3$  (80mm), which can be used for decoration works in existing building

#### ■ Load bearing

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.

#### ■ Save space

AUGREEN Blocks is 100mm thickness with 4hrs FRP, it can achieve 30mm per wall compared with 100mm concrete block and two layers of plastering.

#### ■ Wind pressure wall

Wind pressure wall - steel stiffeners can be used to take 1KPa wind pressure with 6m head room No door lintel No door lintel - No door / opening lintel is required for openings less than 1.5m (80mm)/2m (100mm) width.



Client: MTR  
Main Contractor: Maeda



# 56 Billion Centre – Kowloon Bay Wang Kwong Road 億京中心 – 九龍灣宏光道

July 2007

**AUGREEN Blocks Wall System was used for offices partitions, washrooms & back of houses.**

## Key Benefits

### ■ No steel frame

80mm thick AUGREEN Blocks can be built up to 5.5m high without steel stiffeners.

### ■ Sound insulation

80mm thick AUGREEN Blocks can achieve equivalent sound insulation performance to 100mm concrete blocks.

### ■ Load bearing

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.

### ■ Save space

Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering & wall.



Client: Billion  
Architect: MLA  
Main Contractor: To's Universe



## Commercial projects

58

Caritas Bianchi College

調景嶺明愛白英奇專業學校

December 2008

**AUGREEN Blocks Wall System was used for partitioning offices and classrooms.**

### Key Benefits

■ **Clean & tidy**

No plastering is required. No wet trade on site.

■ **Sound insulation**

Wall of 100mm thickness achieves STC 41 and achieve sound insulation requirements for classrooms.

■ **Flexible**

The required accesses for pipes and services can be chased after building the wall and can be easily changed.

■ **No door lintel**

No door / opening lintel is required for openings less than 1.5m (80mm)/2m (100mm) width.



Client: Caritas  
Architect: Chung Wah Nan  
Main Contractor: Chinney



Low-resolution

64

### Cable Car Station in Ocean Park 香港海洋公園纜車站

September 2008

**AUGREEN blocks wall system is used for partitioning offices, toilets and back of houses at Cable Car Station in Ocean Park.**

#### Key Benefits

##### ■ Load bearing

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.

##### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.

##### ■ Fire resistance

100mm thick AUGREEN Blocks can achieve 4 hours FRP.



Client: Ocean Park  
Architect: Aedas  
Main Contractor: Dragages HK



## Commercial projects

# 103 Data Centre at HK-Colo Building, Chun Yat Street, TKO

## 將軍澳駿日街數據中心

December 2011

**AUGREEN Blocks Wall System is used for partitioning offices.**

### Key Benefits

- **Quick installation**  
15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.
- **Clean & tidy**  
No plastering! No wet-trade! No de-bonding.
- **Hard & strong**  
AUGREEN block wall can achieve 2kN/m – crowd loading and it is stronger than gypsum boards for classroom partitions.
- **Flexible**  
The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Contractor: Regent Construction Ltd.

## Commercial projects



### 111 CIC Zero Carbon Building 零碳天地

April 2012

**AUGREEN block wall system is used for partitioning offices.**

#### Key Benefits

##### ■ Clean & tidy

No wet trade; good uplifting is easy. Saving on construction waste handling cost.

##### ■ Quick installation

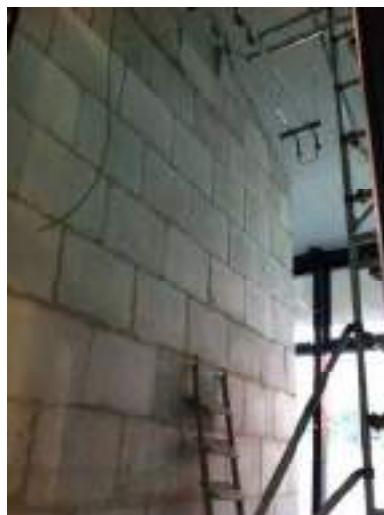
It can be built by 1-2 workers; around 15m<sup>2</sup> per man-day.

##### ■ Not require plastering

The gypsum block is joined by 4 sides tongue and groove with 1mm tolerance so that it doesn't require plastering. (i.e. No risk of plastering de-bonding).

##### ■ Fire resistance

100mm AUGREEN block can achieve 4 hours FRP.



Client : Construction Industry Council Headquarters  
Architect : Ronald Lu & Partners  
Main Contractor: Gammon



## Commercial projects



# 122 No. 2-6 Fui Yiu Kok (Rename: Dan 6)

## 荃灣灰窰角2-6號商業發展

July 2013

**AUGREEN Blocks Wall System was used for partitioning wall, toilets and back of houses.**

### Key Benefits

#### ■ Water resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (bathroom/kitchen) with proposal in installing one layer of WR Blocks either on skirts or not; then installing our Standard Blocks up to the ceiling. For bathroom area, full height WR blocks is suggested.

#### ■ Load bearing

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed



Client: Billion Development & Project Management Ltd  
 Architect: P&T Architects and Engineers Ltd  
 Main Contractor: Deson Development International Holdings Ltd

# 127 Reason Group Tower 匯城集團大廈

October 2013

**AUGREEN Blocks Wall System was used for partitioning wall, toilets and back of houses.**

### Key Benefits

#### ■ Water resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (bathroom/ kitchen) with proposal in installing one layer of WR Blocks either on skirts or not; then installing our Standard Blocks up to the ceiling. For bathroom area, full height WR blocks is suggested.

#### ■ Load bearing

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also drilled and tailed.

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Client: Billion Development & Project Management Ltd  
Architect: MLA Architect  
Main Contractor: W. Hing Construction Company Limited

## Commercial projects

# 131 Commercial development at Connaught Road West, Sai Ying Pun (Rename: Cheung Ka Industrial Building)

## 長嘉工業大廈商業發展 - 西營盤干諾道西

October 2013

**AUGREEN Blocks Wall System was used for partitioning wall, toilets and back of houses.**

### Key Benefits

#### ■ Water resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (bathroom/kitchen) with proposal in installing one layer of WR Blocks either on skirts or not; then installing our Standard Blocks up to the ceiling. For bathroom area, full height WR blocks is suggested.  
man day.

#### ■ Load bearing

Being a non-loading bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed



Client: Emperor International  
Architect: TK Tsui  
Main Contractor: Grandtech



# 136 COS Centre - Commercial Development at Tsun Yip Street, Kwun Tong 中海日升中心商業發展 - 觀塘駿業街

November 2013

**AUGREEN Blocks Wall System was used for partitioning wall, toilets and back of houses.**

## Key Benefits

### ■ Water resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (bathroom/kitchen) with proposal in installing one layer of WR Blocks either on skirts or not; then installing our Standard Blocks up to the ceiling. For bathroom area, full height WR blocks is suggested.

### ■ Load bearing

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.

### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Client: Billion Development & Project Management Ltd  
Architect: MLA Architect  
Main Contractor: Hien Lee Engineering Company Limited



# 141 Commercial development at Wellington Street, Sheung Wan (Rename: The Wellington)

## The Wellington 商業發展 - 上環威靈頓街

December 2013

**AUGREEN Blocks Wall System was used for office partitions, washrooms, back of house & E&M room.**

### Key Benefits

#### ■ Better alignment

4 sides tongue and groove of AUGREEN blocks can make the good alignment of the wall.

#### ■ Relative humidity

It is able to absorb moist from air when the humidity is high. It releases moist to air when the humidity level drops.

#### ■ Fire resistance

AUGREEN blocks can achieve up to 2 hours (80mm thick) / 4 hours (100mm thick), which the 80mm thick block is commonly used in wall partition & shop partition while the 100mm thick block is commonly used in basement/ E&M room.



Client: Nan Fung Development Limited  
 Architect: Chau, Ku & Leung Architects & Engineering Limited  
 Main Contractor: Chinney Construction Co Ltd

# 142 CDW Building, Tsuen Wan 中國染廠大廈



December 2013

**AUGREEN Blocks Wall System was used for office partitions.**

## Key Benefits

### ■ Better alignment

4 sides tongue and groove of AUGREEN blocks can make the good alignment of the wall.

### ■ Clean & tidy

No plastering! No wet trade! No de-bonding!

### ■ Fire resistance

AUGREEN blocks can achieve up to 2 hours (80mm thick) / 4 hours (100mm thick), which the 80mm thick block is commonly used in wall partition & shop partition while the 100mm thick block is commonly used in basement/E&M room.

### ■ Save space

Wall of 80mm thickness with 2hrs FRP it can achieve 50mm per wall compared with 130mm concrete block and two layers of plastering.



Client: Hong Kong Resort  
Architect: Aedas  
Main Contractor: Lap Polly Engineering Company Limited

## 144 Commercial development at Chong Yip Street, Kwun Tong (Rename: Monterey Plaza) 萬泰利廣場商業發展 - 觀塘創業街

February 2014

**AUGREEN Blocks Wall System was used for partitioning wall, toilets and back of houses.**

### Key Benefits

#### ■ Water resistant

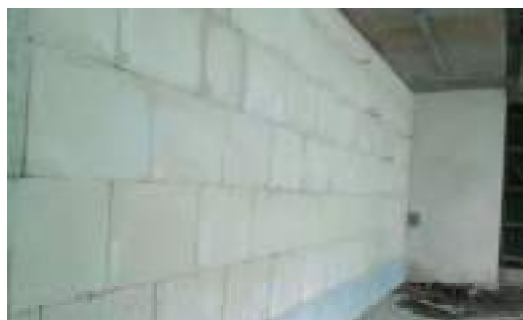
AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (bathroom/kitchen) with proposal in installing one layer of WR Blocks either on skirts or not; then installing our Standard Blocks up to the ceiling. For bathroom area, full height WR blocks is suggested.

#### ■ Load bearing

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed



Client: Billion Development & Project Management Ltd  
Architect: MLA Architects (HK) Ltd  
Main Contractor: W. Hing



# 165 Commercial development at Wong Chuk Hang, Aberdeen (Rename: W50)

## W50商業發展 – 香港仔黃竹坑

May 2014

**AUGREEN Blocks Wall System was used for partitioning wall, toilets and back of houses.**

### Key Benefits

#### ■ Water resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (bathroom/kitchen) with proposal in installing one layer of WR Blocks either on skirts or not; then installing our Standard Blocks up to the ceiling. For bathroom area, full height WR blocks is suggested.

#### ■ Load bearing

Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed



Client: Sun Hung Kai Properties Limited  
Architect: Sun Hung Kai Properties Limited  
Main Contractor: Sanfield



# 174 Residential Development at No. 7-9 Ying Wah Terrace, Sai Ying Pun 西營盤英華台7-9號

December 2015

**AUGREEN Blocks Wall System is used for room partitioning.**

## ■ Clean & tidy

No plastering and no wet trade.

## ■ Water resistant

AUGREEN Water-Repelling Block (WR) is applicable to be used in potential wet area (bathroom/kitchen), up to 1.8m for shower area and full height WR block for pipe-duct area.

## ■ Flexibility

The pipe duct & conduits can be installed and changed after installation of the wall. The layout is flexible to be changed without affecting the site progress.



Developer: Henderson  
Architect: IE, Siu & Chung  
Contractor: Grandic Construction

# 177

## Express Rail Link: West Kowloon Terminus Construction

### 廣深港高速：西九龍總站建造工程 MTR 810B站

September 2014

**AUGREEN Blocks Wall System was used for railway platform.**

### Key Benefits

#### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day

#### ■ Save space

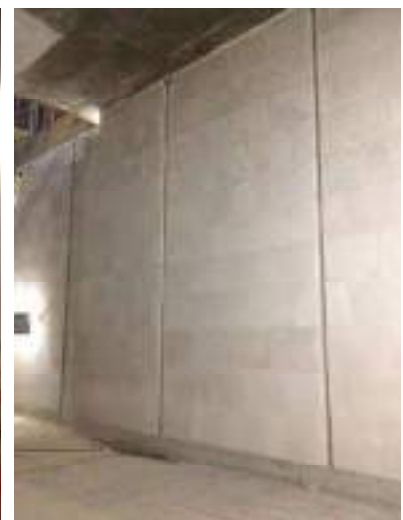
AUGREEN block wall in 100mm thickness with 4hrs FRP saves space with 225mm concrete block and 2 layers of 15mm thick plaster each side.

#### ■ Better alignment

4 sides tongue and groove of AUGREEN blocks can make the good alignment of the wall.

#### ■ Fire resistance

AUGREEN blocks can achieve up to 4 hours for 100mm thick block is commonly used in basement/E&M room/railway platform.



Client: MTR

Architect: Aedas

Main Contractor: Liang O'Rourke, Hsin Chong & Paul Y Joint Venture

## 229 Lee Garden 3 – Causeway Bay Hoi Ping Road 利園三期 - 銅鑼灣開平道

October 2016

**AUGREEN block wall system is used for room partitioning.**

### Key Benefits

#### ■ Wall height

The required wall height is 4.5-5m, both 80mm and 100mm AUGREEN block wall can be built up to 5.5m and 7m comparatively without steel frame support.

#### ■ Flexibility

The pipe duct & conduits can be installed and changed after installation of the wall. The layout is flexible to be changed without affecting the site progress.

#### ■ Water resistant

AUGREEN Water-Repelling Block (WR) is applicable to be used in potential wet area (toilet), full height WR block for bathroom, kitchen and pipe duct area.

#### ■ Sound Insulation

AUGREEN block can achieve high acoustic requirement at different criteria. AUGREEN High Density 100 mm block is used as there is requirement for reaching STC46 for washroom partitioning.



Client: Hysan  
Architect: Wong & Ouyang (HK) Ltd  
Main Contractor: Gammon



## Commercial projects



## 267 Legoland Discovery Center at K11 MUSEA 樂高探索中心禮品店

October 2019

**AUGREEN Blocks Wall System was used for partitioning walls and back of office.**

### Key Benefits

#### ■ Water resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area.

#### ■ Fire resistance

AUGREEN blocks can achieve up to 2 hours (80mm thick), which the 80mm thick block is used for room/toilet partition up to 1.8m for shower area.

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.

#### ■ No plastering

No plastering is needed on AUGREEN block wall, direct painting / water proofing can be applied.



Client: LEGOLAND Discovery Centre Hong Kong  
Architect: MUSA  
Main Contractor: Hong Du Engineering



## Commercial projects

# 310 MTR - LOHAS 7 Commercial & Residential Project

## 港鐵物業 - 日出康城7期商場及住宅項目

September 2018

**AUGREEN Blocks Wall System was used for partitioning bedroom, kitchen and toilets.**

### Key Benefits

#### ■ Water resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (bathroom/kitchen).

#### ■ Fire resistance

AUGREEN blocks can achieve up to 2 hours (80mm thick), which the 80mm thick block is used for room/toilet partition up to 1.8m for shower area.

#### ■ Better alignment

4 sides tongue and groove of AUGREEN blocks can make the good alignment of the wall.

#### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.



Client: MTRC & Wheelock  
Architect: P&T  
Main Contractor: China Overseas

# 23

## The Administration Building in the Chinese University of Hong Kong 香港中文大學行政樓

August 2006

**AUGREEN Block Wall System are used for partitioning offices.**

### Key Benefits

- **Quick installation**  
15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.
- **Clean & tidy**  
No plastering! No wet-trade!  
No de-bonding.
- **Lightweight**  
The loading of AUGREEN Block is only 900kg/m<sup>3</sup> (100mm), 750kg/m<sup>3</sup> (80mm), which can be used for decoration works in existing building.
- **Load bearing**  
Being a non-load bearing wall, it can hang up to 250lbs per anchor. It can also be drilled and tailed.
- **Flexible**  
The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Client: The Chinese University of Hong Kong  
Main Contractor: Ray On University

## School and university projects

# 31

## PolyU Industrial Centre 香港理工大學工業中心

January 2007

**AUGREEN blocks wall system is used for partitioning offices.**

### Key Benefits

#### ■ Clean & tidy

No plaster required, no chance for de-bonding of plastering.

#### ■ Lightweight

The loading of AUGREEN Block is  $750\text{kg/m}^3$  (80mm), which can be used for decoration works in existing building.

#### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.



Client: PolyU  
Architect: David Au  
Main Contractor: Jetson Technology





# 35 Yuen Long Merchants Association Primary 元朗商會小學

May 2007

**AUGREEN block wall system is used for partitioning offices and classrooms.**

## Key Benefits

### ■ Clean & tidy

No plastering required. No wet trade on site.

### ■ Sound insulation

AUGREEN Block Wall System is sound-proofed; an 80mm-thick AUGREEN Block can achieve an equivalent sound insulation performance of a 100mm-thick concrete wall.

### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.

### ■ Hard & strong

AUGREEN Block Wall System can achieve 2kN/m - crowd loading and it is stronger than gypsum boards for classroom partitions.



Client: ASD  
Architect: Ho & Partners  
Main Contractor: Techoy



## School and university projects



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### St. Joseph's Anglo-Chinese School 聖若瑟英文小學

December 2007

**AUGREEN block wall system is used for partitioning classrooms, back of house and corridor.**

#### Key Benefits

##### ■ Clean & tidy

No plastering! No wet-trade! No de-bonding!

##### ■ Sound insulation

Wall of 100mm thickness achieves STC 41, without plastering & 2 x 80mm thickness with 20mm rock wool can be achieves STC58.

##### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed.

##### ■ Hard & strong

AUGREEN Block Wall System can achieve 2kN/m - crowd loading and it is stronger than gypsum boards for classroom partitions.



Client: ASD  
Architect: Ho & Partners  
Main Contractor: Techoy

## School and university projects



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### St. Francis of Assisi Caritas School 聖方濟愛德小學

January 2010

**AUGREEN Block Wall System was used for partitioning offices and classrooms.**

#### Key Benefits

##### ■ Fire resistance

80mm thick AUGREEN Blocks can achieve 2 hrs FRP.

##### ■ R.H. regular

Gypsum is able to absorb moisture from air when the humidity level is high and release moisture when the humidity falls.

##### ■ Better alignment

4 sides tongue and groove can made for a better wall alignment.

##### ■ No door lintel

No door / opening lintel is required for openings less than 1.5m (80mm)/2m (100mm) width.



Client: ASD  
Architect: MLA  
Main Contractor: China Harbour

## School and university projects

### 109 St. Paul Co-education College – Phase 2 聖保羅男女中學

July 2012

**AUGREEN Blocks Wall System is used for partitioning offices and classrooms.**

#### Key Benefits

- **Quick installation**  
15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day
- **Clean & tidy**  
No plastering! No wet-trade!  
No de-bonding
- **Hard & strong**  
AUGREEN block wall can achieve 2kN/m – crowd loading and it is stronger than gypsum boards for classroom partitions.



Client: St. Paul College  
Architect: P&T Architects  
Contractor: AbleEngineering



# 137 HKU Post-Graduate Residence at No. 10 Ching Lin Terrace, Kennedy Town 香港大學青蓮臺宿舍10號

November 2013

**AUGREEN Blocks Wall System was used for partitioning wall.**

## Key Benefits

### ■ Water resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (eg.bathroom) with proposal in installing one layer of WR Blocks either on skirts or not; then installing our Standard Blocks up to the ceiling. For bathroom area, full height WR block is suggested.



### ■ Fire resistance

AUGREEN Blocks can achieve up to 2 hours (80mm thickness), which the common thick block is commonly used in room partition.



### ■ Flexible

The required accesses for pipes and services can be chased after building the wall and can be easily changed



Client: HKU  
Architect: Urbanage  
Main Contractor: New House



## School and university projects

### 207 THE-I, Chai Wan 柴灣VTC 學校

January 2016

**AUGREEN Blocks Wall System is used for room partitioning.**

#### ■ Clean & tidy

No plastering and no wet trade

#### ■ Water resistant

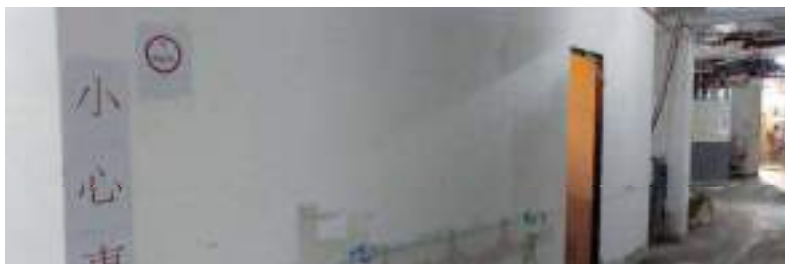
AUGREEN Water-Repelling Block (WR) is applicable to be used in potential wet area (bathroom/kitchen), full height WR block for bathroom, kitchen and pipe-duct area.

#### ■ Flexibility

The pipe duct & conduits can be installed and changed after installation of the wall. The layout is flexible to be changed without affecting the site progress and without steel frame support.

#### ■ Wall height

The required wall height is 4-5m, 80mm AUGREEN block wall can be built up to 5.5m without steel frame support.



Developer: VTC  
Architect: Ronald Lu  
Contractor: Unistress

# 267 Anderson Road School/Tung Chung Special School / Tuen Mun School (Boy in Area 2B) (Jan 2018 - Current) 安達臣道學校/東涌特殊學校/屯門旺賢街學校

January 2018

**AUGREEN Blocks Wall System was used for partitioning classrooms and toilets.**

### Key Benefits

#### ■ No door lintel

No door / opening lintel is required for openings less than 1.5m (80mm)/2m (100mm) width.

#### ■ Sound insulation

Wall of 100mm thickness achieves STC 41, without plastering & 2 x 80mm thickness with 20mm rock wool can be achieves STC58.

#### ■ Save space

80mm thick AUGREEN block can be used to save up to 50mm since NO plastering is needed on AUGREEN block wall.

#### ■ Better alignment

4 sides tongue and groove of AUGREEN blocks can make the good alignment of the wall.



Client: ASD

Architect: Hsin Yieh Architects & Associates Ltd (Anderson Road School ) /  
P&T (Tung Chung Special School & Tuen Mun School)

Main Contractor: Techoy

## School and university projects

### 305 A&A works for Chan Kwan Tung Building at CUHK 香港中文大學昆棟樓住宿

March 2019

**AUGREEN Blocks Wall System was used for partitioning bedroom and toilets.**

#### Key Benefits

##### ■ Water resistant

AUGREEN Water-Repelling Blocks (WR) is applicable to be used in potential wet area (bathroom/kitchen).

##### ■ Quick installation

15m<sup>2</sup>-20m<sup>2</sup> of wall area can be built per man day.

##### ■ Save space

80mm thick AUGREEN block can be used to save up to 50mm since NO plastering is needed on AUGREEN block wall.

##### ■ Load-bearing

Objects can be directly hung up on the AUGREEN block wall as a non load-bearing wall. The wall can be drilled and tailed. Fixing details is in enclosed technical drawing.



Client: The Chinese University of Hong Kong (CUHK)  
Architect: Seniorman Design  
Main Contractor: Wan Chung Construction