

HAZ METAL
FIXING SYSTEMS

HMPA-HC2

SUB CHANNEL SYSTEM
Concept Drawings

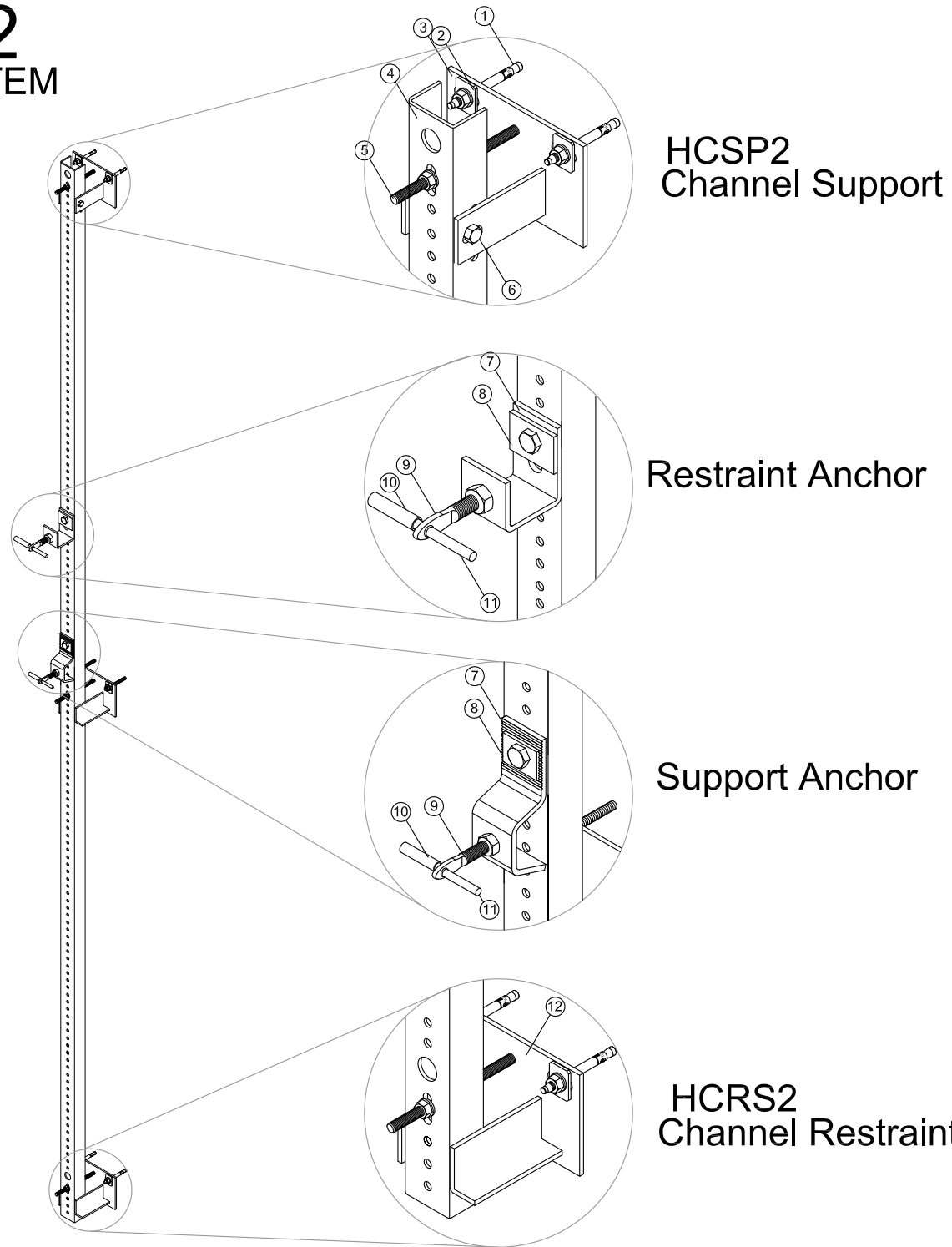
Series: HAZCD-HMPA-HC2-ST

Steel Support System For Rain Screen
Stone Cladding System for Installation at
Vertical and Horizontal Joints

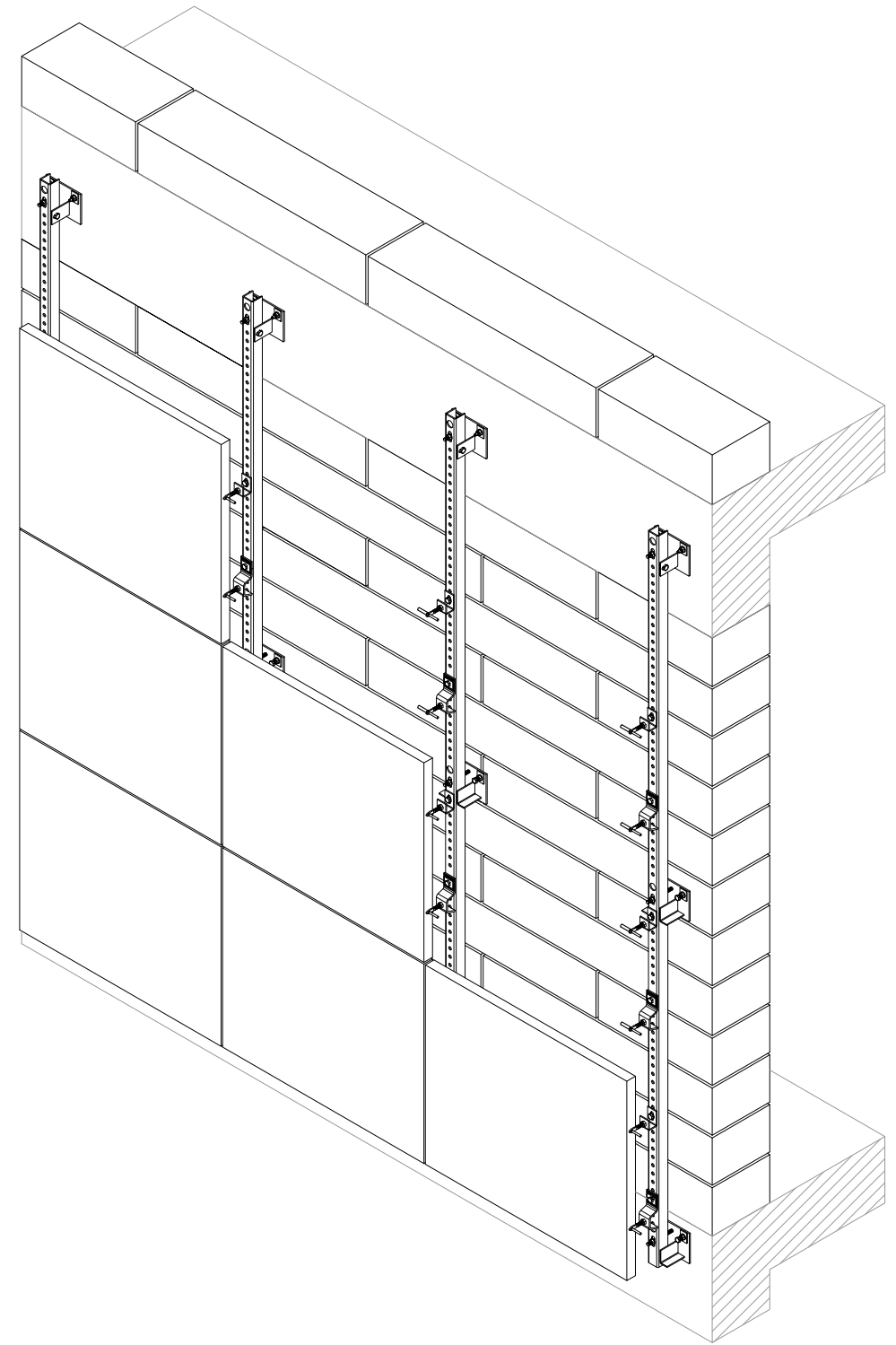


HMPA-HC2

SUB CHANNEL SYSTEM



Legend	
1	Through Bolt
2	Plain Washer
3	Channel Support
4	HMPA -U Channel
5	Walded threaded Rod
6	Bolt Set
7	Anchor Body
8	Wedge Washer
9	Adjustable Arm
10	Plastic Tube
11	Flanged Pin
12	Channel Restraint



ISOMETRIC VIEW

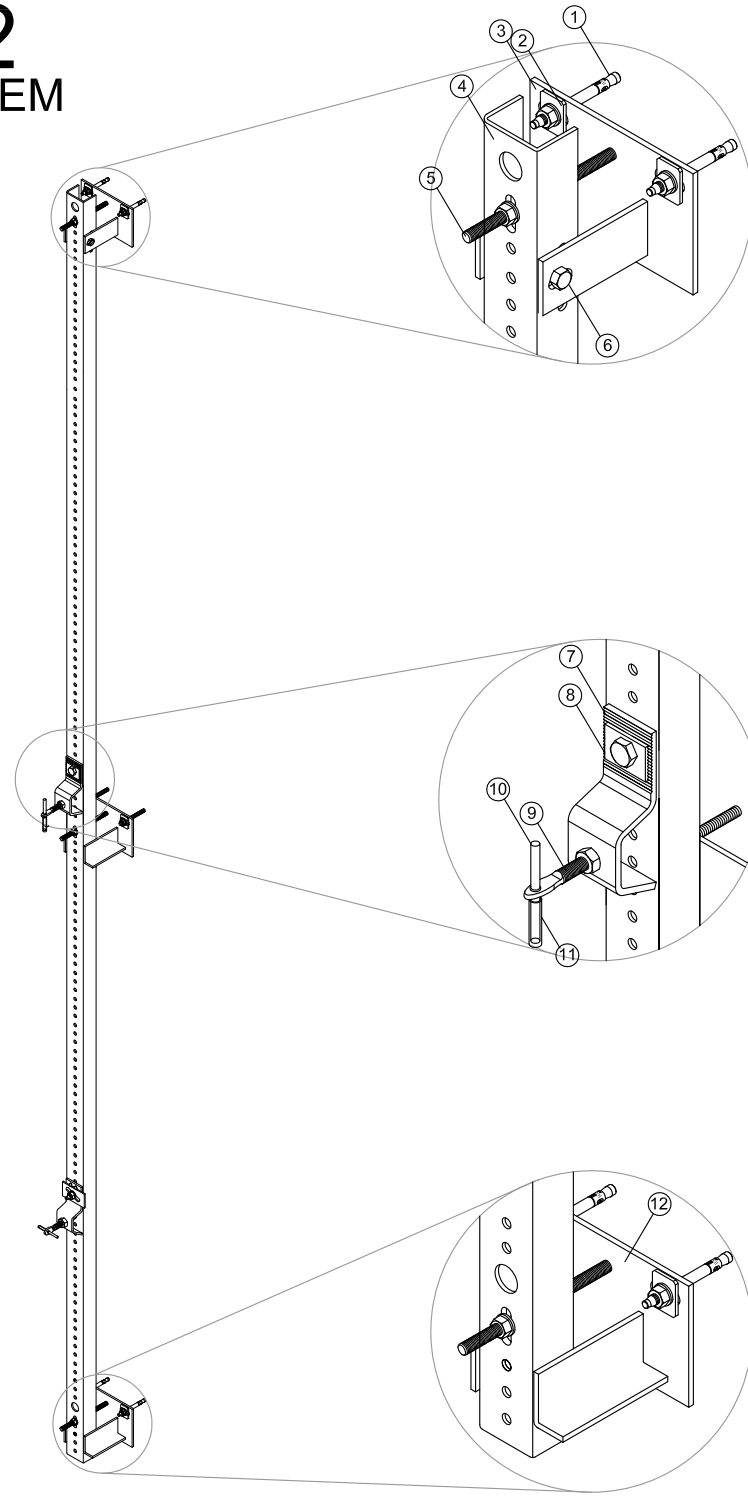


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Title :		Natural Stone Facade - Built-up Cavity Wall - HMPA-HC2 Vertical Joint installation -Isometric			
Drawing No.		HAZCD-HMPA-HC2-ST-01			
Series		Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System			
Revision	01	Scale	As Shown	Paper Size: A3	Page : 1/20

HMPA-HC2

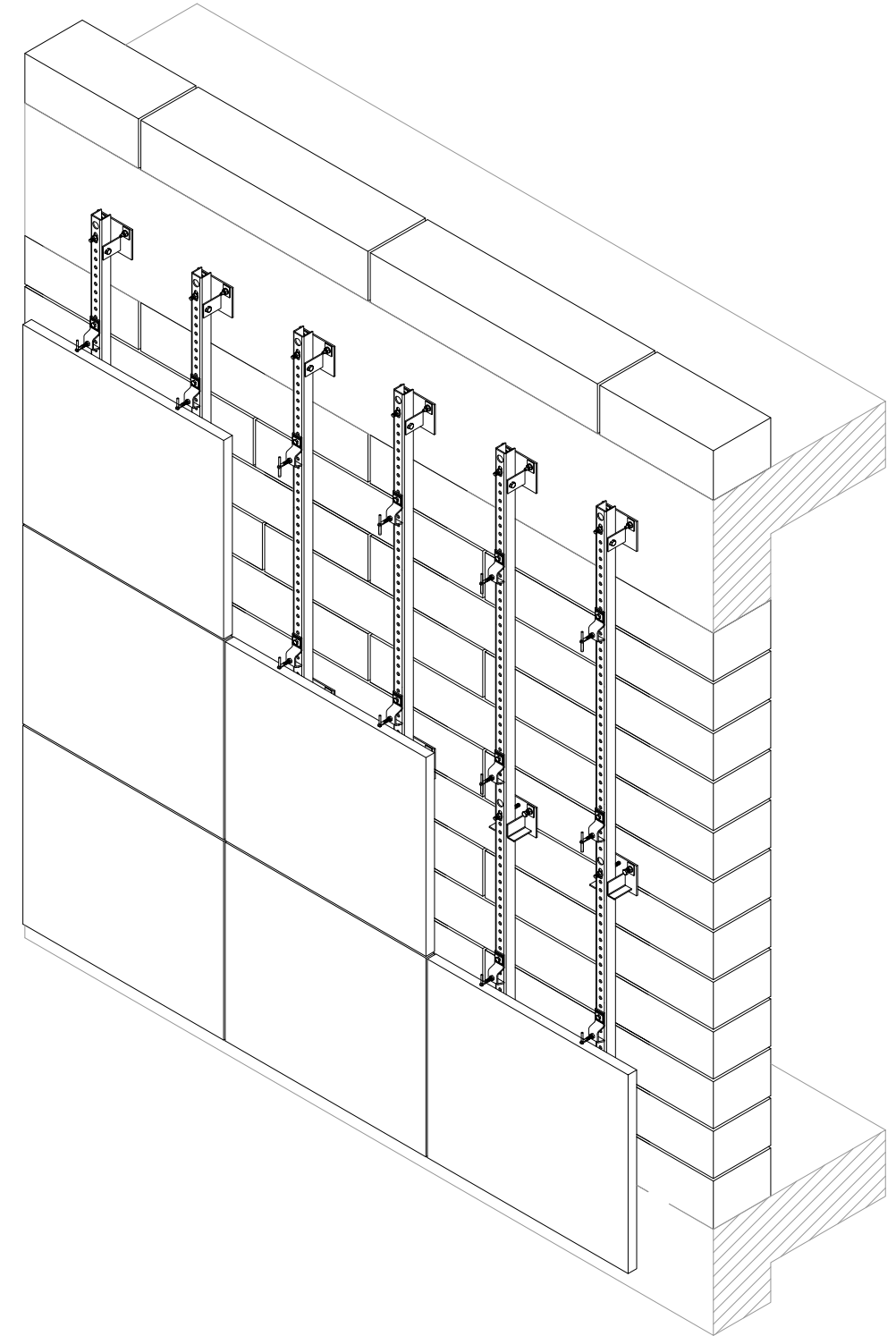
SUB CHANNEL SYSTEM



HCSP2
Channel Support

Support & Restraint
Anchor

HCRS2
Channel Restraint



ISOMETRIC VIEW

Legend	
1	Through Bolt
2	Plain Washer
3	Channel Support
4	HMPA -U Channel
5	Walded threaded Rod
6	Bolt Set
7	Anchor Body
8	Wedge Washer
9	Adjustable Arm
10	Plastic Tube
11	Flanged Pin
12	Channel Restraint

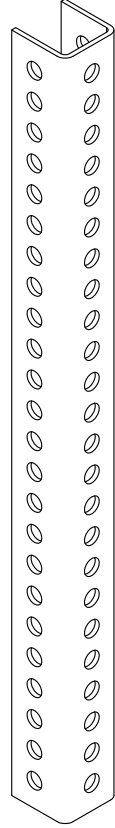


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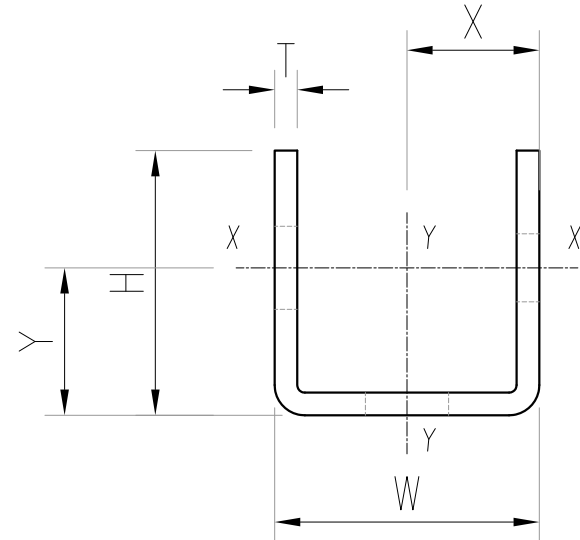
Title :	Natural Stone Facade - Built-up Cavity Wall - HMPA-HC2 Horizontal joint installation - Isometric				
Drawing No.	HAZCD-HMPA-HC2-ST-02				
Series	Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System				
Revision	01	Scale	As Shown	Paper Size: A3	Page : 2/20

HMPA

SUB CHANNEL SYSTEM



ISOMETRIC VIEW



Horizontal Section

Product Code	Technical Details								
	Dimensions			X-X Axis			Y-Y Axis		
	Thickness T(mm)	Width W(mm)	Height H(mm)	IXX (cm4)	ZX (cm3)	X (mm)	IYY (cm4)	ZY (cm3)	Y (mm)
HMPA-2.5-40/30	2.50	40.00	30.00	1.57	0.74	20.00	4.21	2.11	8.80
HMPA-2.5-40/40	2.50	40.00	40.00	3.91	1.50	20.00	5.97	2.99	13.84
HMPA-3-35/35	3.00	35.00	35.00	2.83	1.24	17.00	4.27	2.44	12.14
HMPA-3-40/30	3.00	40.00	30.00	1.79	0.85	20.00	4.86	2.43	8.83
HMPA-3-40/40	3.00	40.00	40.00	4.55	1.74	20.00	6.92	3.46	13.93
HMPA-3-50/50	3.00	50.00	50.00	9.68	2.97	25.00	15.04	6.01	17.42
HMPA-4-40/40	4.00	40.00	40.00	5.67	2.19	20.00	8.60	4.30	14.10
HMPA-4-50/50	4.00	50.00	50.00	12.33	3.81	25.00	18.97	7.60	17.65
HMPA-5-50/50	5.00	50.00	50.00	14.68	4.57	25.00	22.40	8.97	17.87

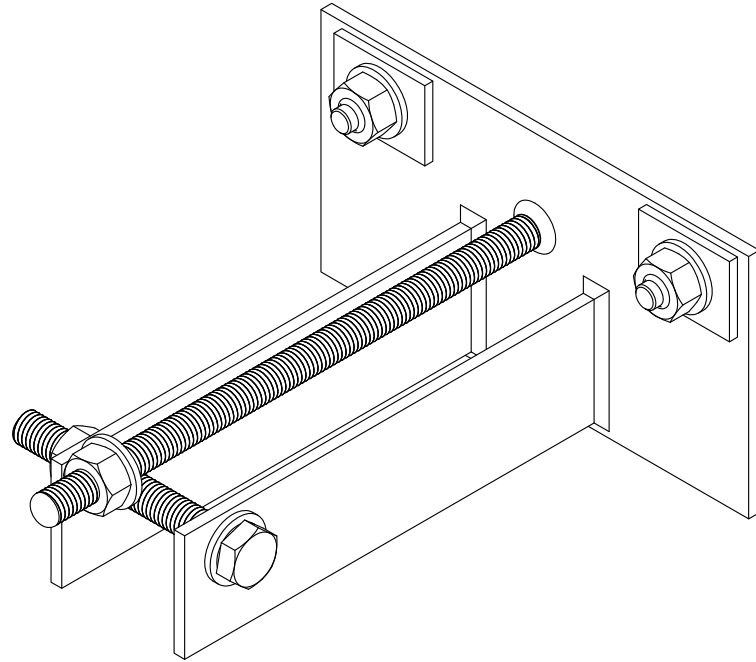


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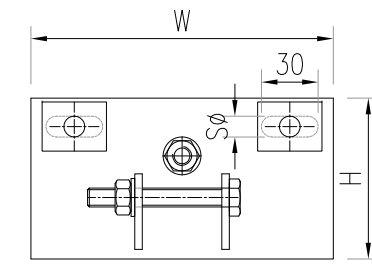
Title :	Natural Stone Facade - Built-up Cavity Wall - HMPA Specification								
Drawing No.	HAZCD-HMPA-HC2-ST-03								
Series	Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System								
Revision	01	Scale	As Shown	Paper Size:	A3	Page :	3/20		

HCSP2

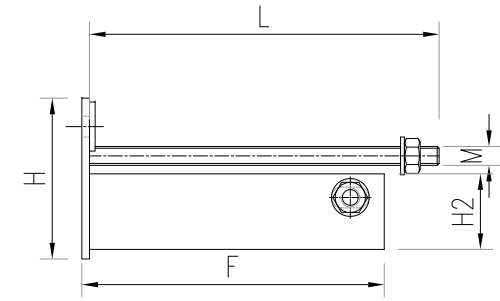
Channel Support



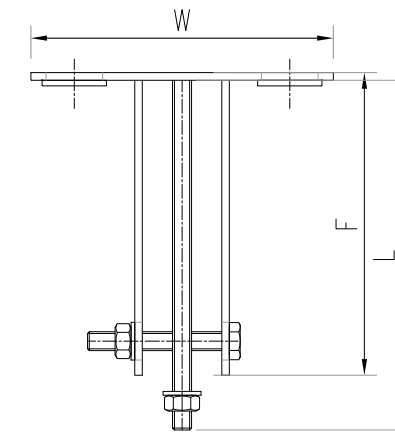
ISOMETRIC VIEW



Elevation View



Side View



Plan View

Product Code	Technical Details							
	Thickness T(mm)	Width W(mm)	Height H(mm)	Forming F (mm)	Slot Hole Dia. S Ø(mm)	Slot Hole length SL(mm)	Hole Dia. Ø(mm)	THr. Rod Metric Size MxL(mm)
HCSP2-100	4	160	85	100	11	30	11	M10 x110
HCSP2-120	4	160	85	120	11	30	11	M10 x130
HCSP2-140	5	160	95	140	11	30	11	M10 x150
HCSP2-160	5	160	95	160	11	30	11	M10 x170
HCSP2-180	5	180	95	180	11	30	11	M10 x190
HCSP2-210	5	180	95	210	11	30	11	M10 x220
HCSP2-240	5	180	95	240	11	30	11	M10 x240
HCSP2-270	5	180	100	270	11	30	11	M10 x280
HCSP2-300	5	180	100	300	11	30	11	M10 x310

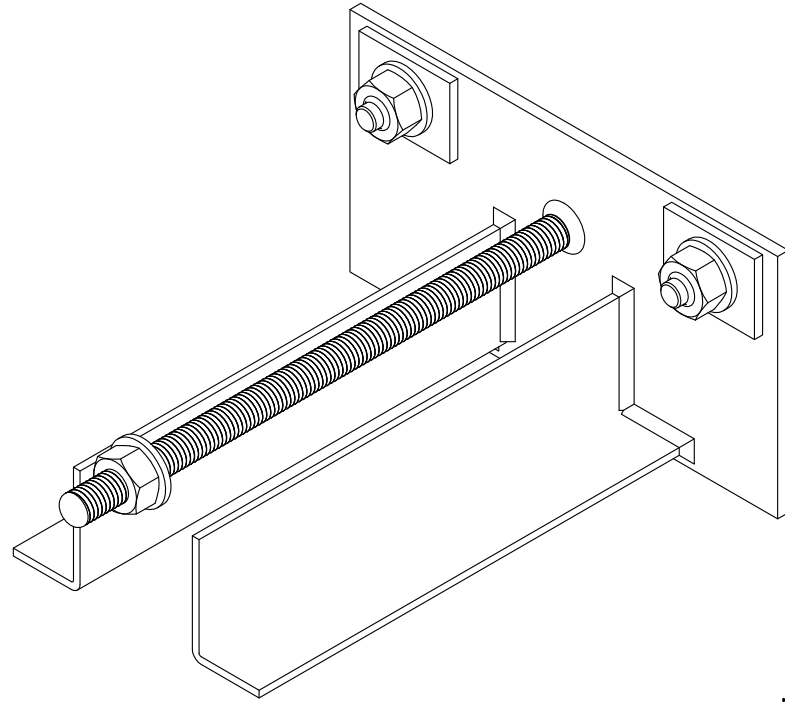


Title :		Natural Stone Facade - Built-up Cavity Wall - HMPA-HC2 System - HCSP2 Specification						
Drawing No.		HAZCD-HMPA-HC2-ST-04						
Series		Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System						
Revision	01	Scale	As Shown	Paper Size:	A3	Page :	4/20	

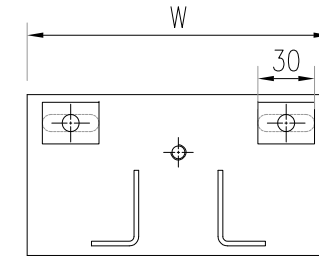
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HCRS2

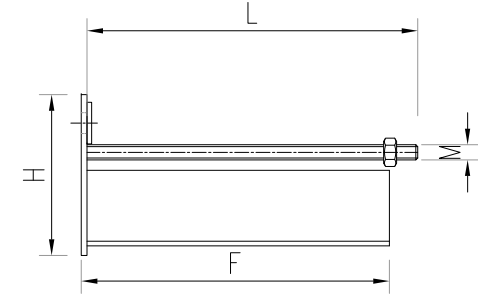
Channel Support



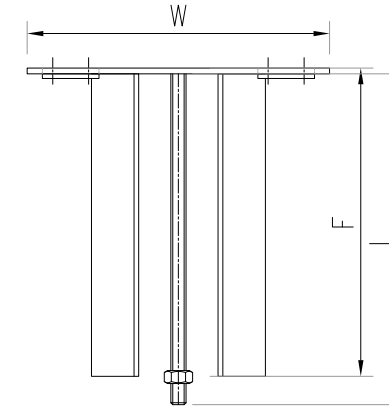
ISOMETRIC VIEW



Elevation View



Side View



Plan View

Product Code	Technical Details							
	Thickness T(mm)	Width W(mm)	Height H(mm)	Forming F (mm)	Slot Hole Dia. S Ø(mm)	Slot Hole length SL(mm)	Hole Dia. Ø(mm)	THr. Rod Metric Size MxL(mm)
HCRS2-100	4	160	85	100	11	30	11	M10 x110
HCRS2-120	4	160	85	120	11	30	11	M10 x130
HCRS2-140	5	160	95	140	11	30	11	M10 x150
HCRS2-160	5	160	95	160	11	30	11	M10 x170
HCRS2-180	5	180	95	180	11	30	11	M10 x190
HCRS2-210	5	180	95	210	11	30	11	M10 x220
HCRS2-240	5	180	95	240	11	30	11	M10 x240
HCRS2-270	5	180	100	270	11	30	11	M10 x280
HCRS2-300	5	180	100	300	11	30	11	M10 x310

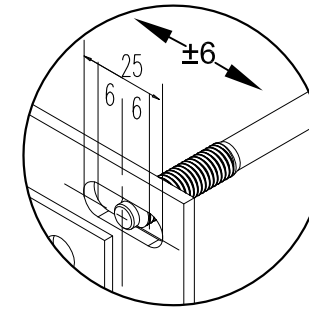
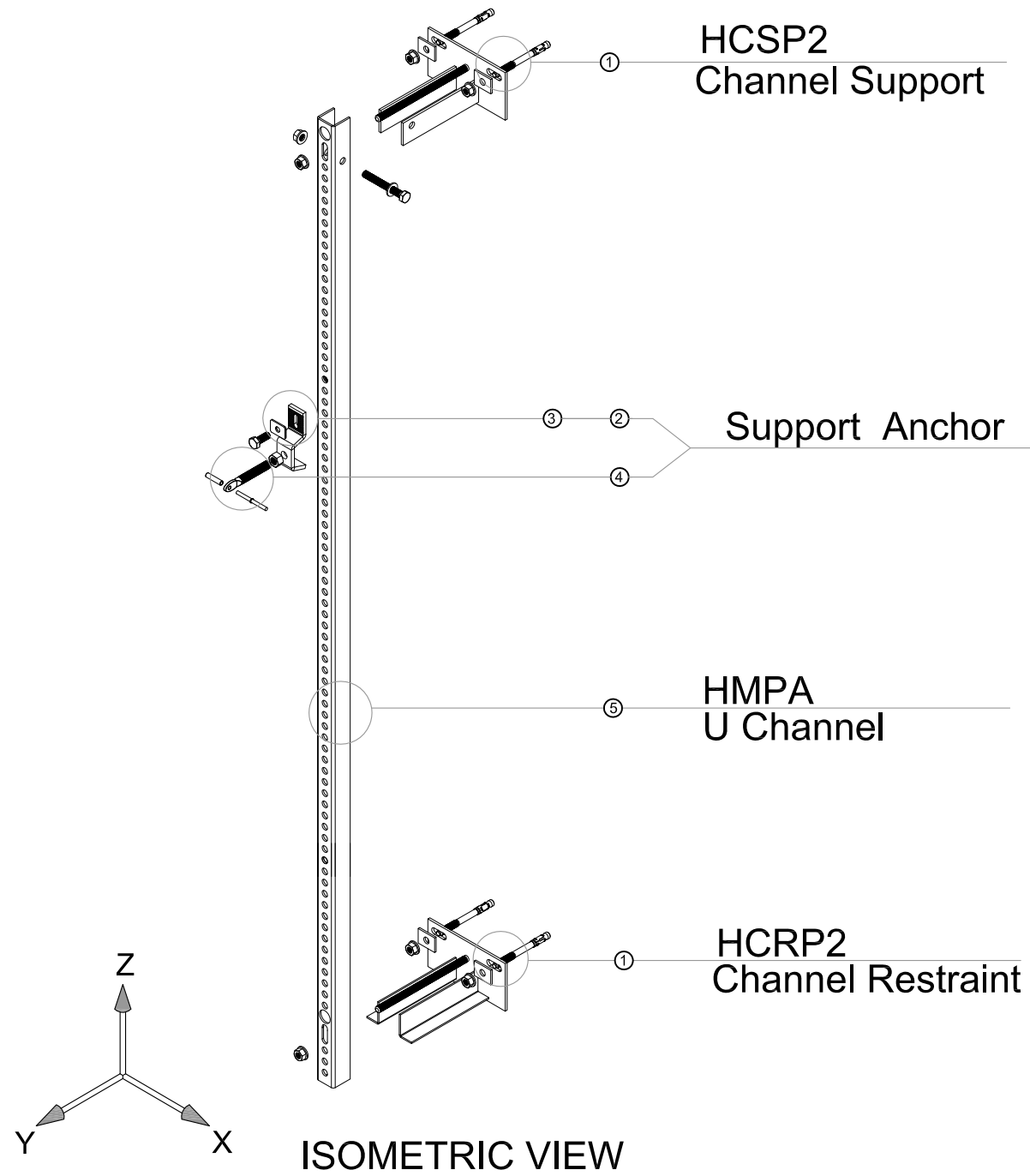


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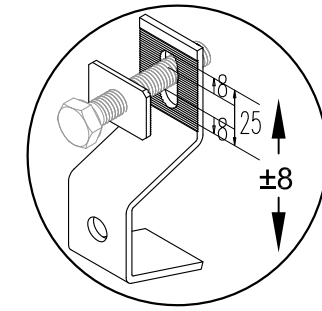
Title :		Natural Stone Facade - Built-up Cavity Wall - HMPA-HC2 System- HCRS2 Specification						
Drawing No.	HAZCD-HMPA-HC2-ST-05							
Series	Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System							
Revision	01	Scale	As Shown	Paper Size:	A3	Page :	5/20	

HMPA-HC2

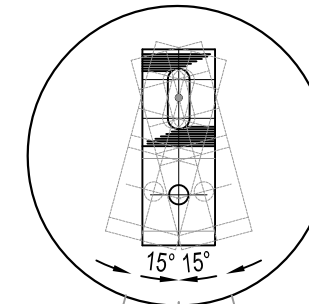
SUB CHANNEL SYSTEM



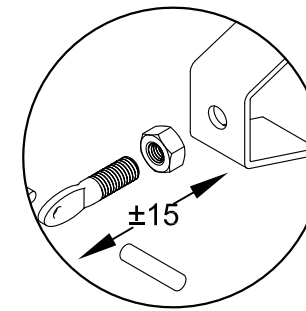
① The Adjustability on the X axis is Provided by Slotted hole ± 6 mm .



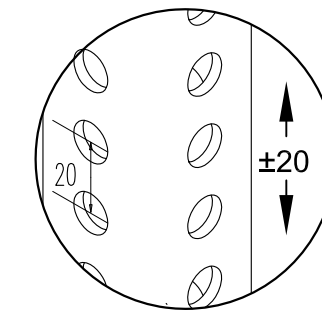
② The Adjustability on the Z Axis is Provided by the slotted hole ± 8 mm



③ Adjustment of the anchor left and right is provided by sliding the body up to 15 degrees side ways.



④ Adjustment of the Projection size on the Y Axis is provided by rotating the adjustable arm ± 15 mm.



⑤ Adjustment of the anchor Up and Down on the Z Axis is provided by Holes in 20 mm increment.

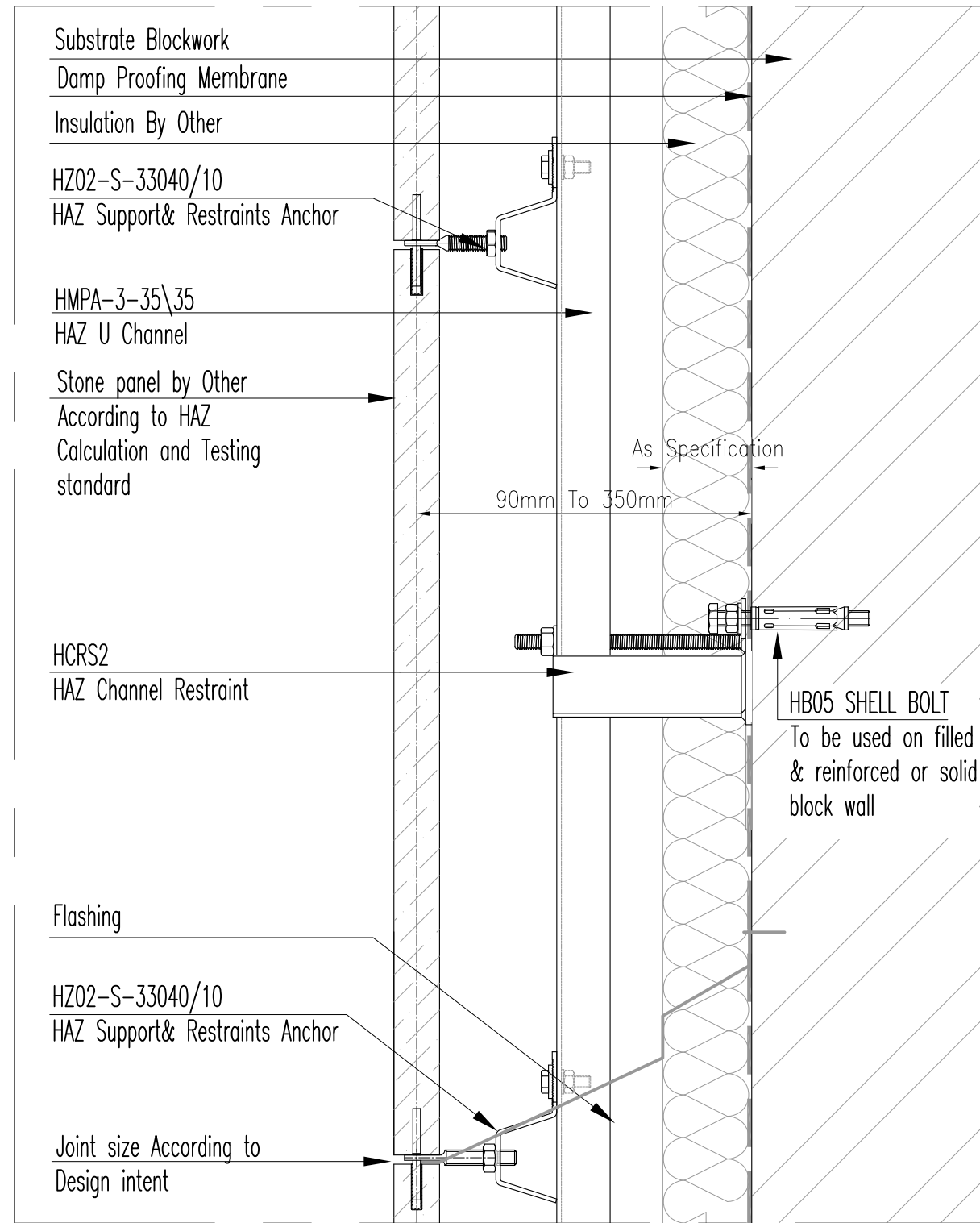
Note: For Further Dimension Refer to Each Items Details Drawings.



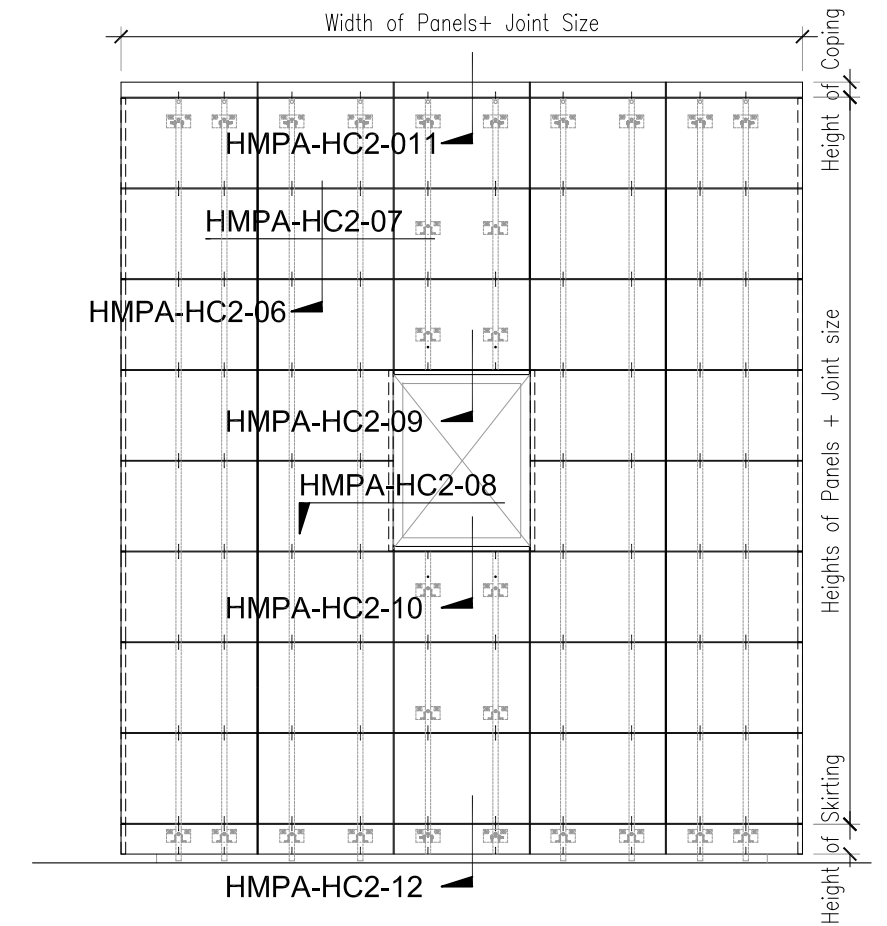
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Title :		Natural Stone Facade - Built-up Cavity Wall - HMPA-HC2 System - Adjustability			
Drawing No.	HAZCD-HMPA-HC2-ST-06				
Series	Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System				
Revision	01	Scale	As Shown	Paper Size: A3	Page : 6/20

HMPA-HC2 SUB CHANNEL SYSTEM



Vertical section Scale 1:4



Elevation Scale 1:50

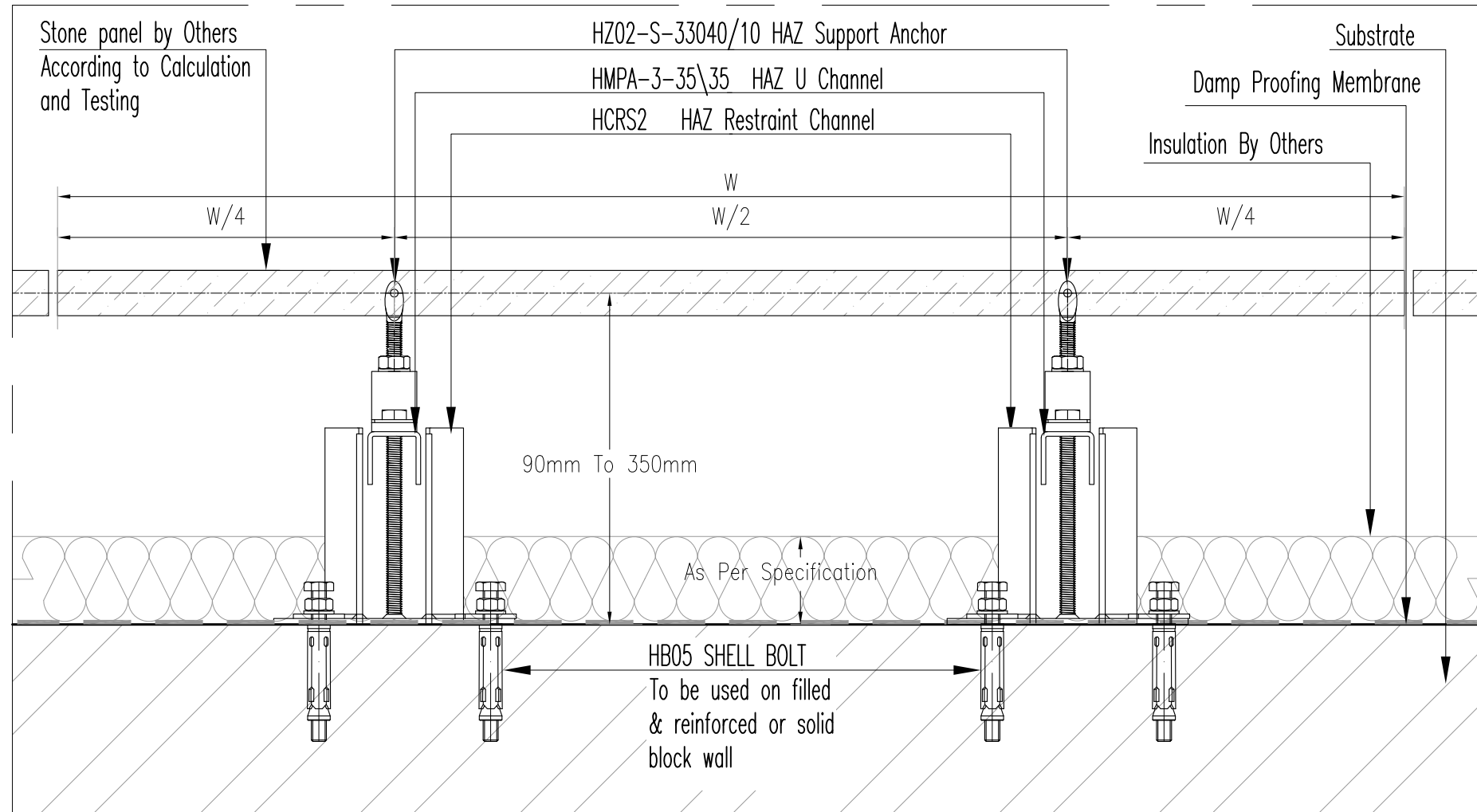


Title :		Horizontal Joint Installation - Typical Stone Claddings - HMPA-HC2 System - Vertical Section			
Drawing No.		HAZCD-HMPA-HC2-ST-07			
Series		Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System			
Revision		01	Scale	As Shown	Paper Size: A3
					Page : 7/20

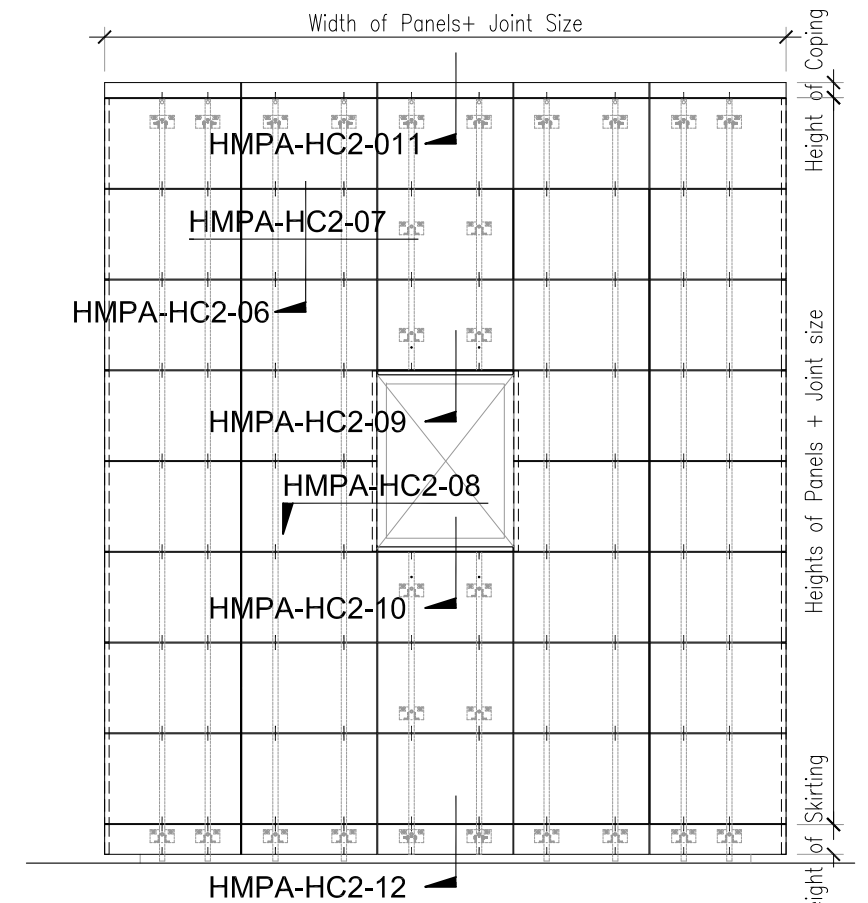
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HMPA-HC2

SUB CHANNEL SYSTEM



Horizontal section Scale 1:4



Elevation Scale 1:50

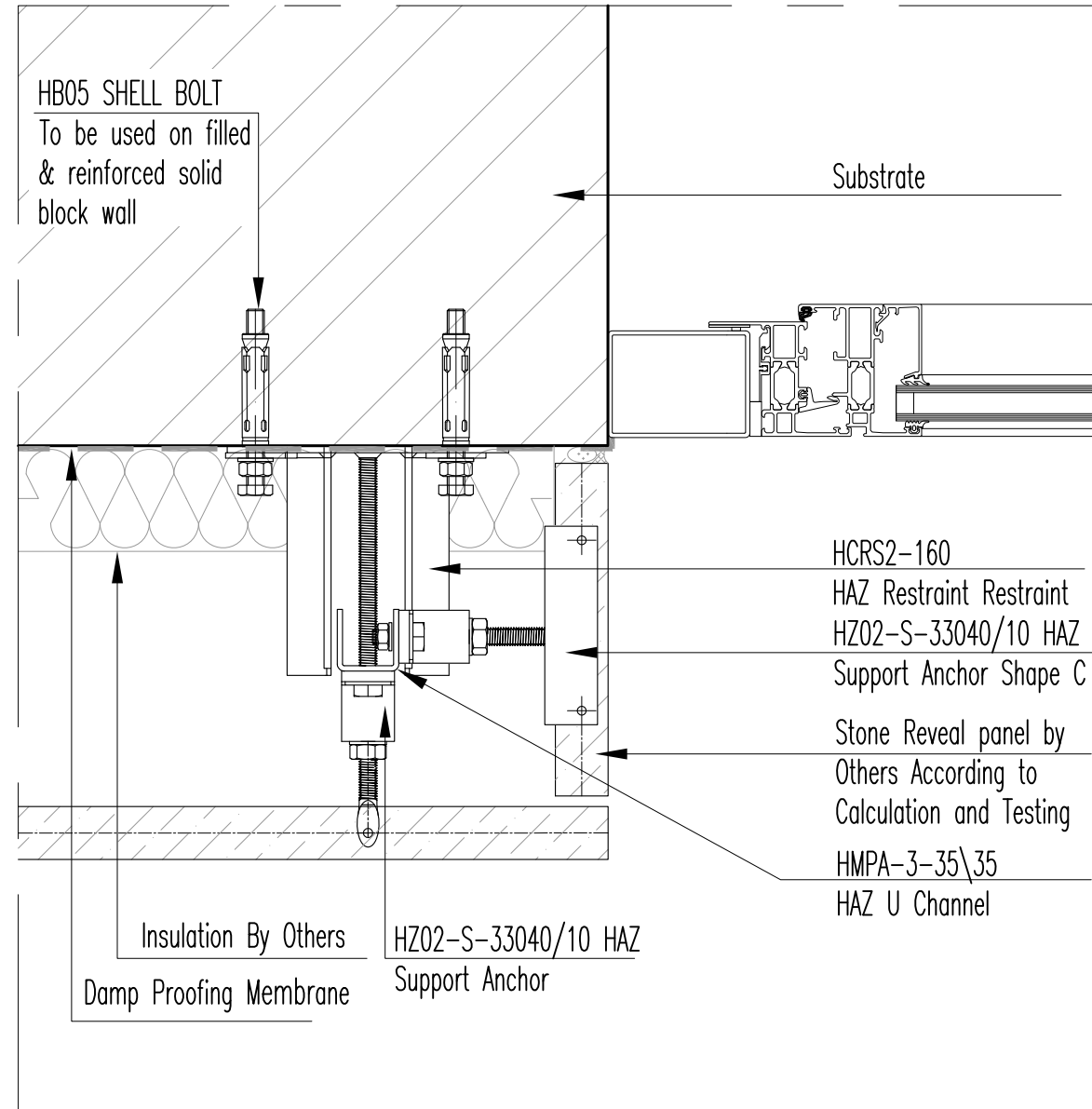


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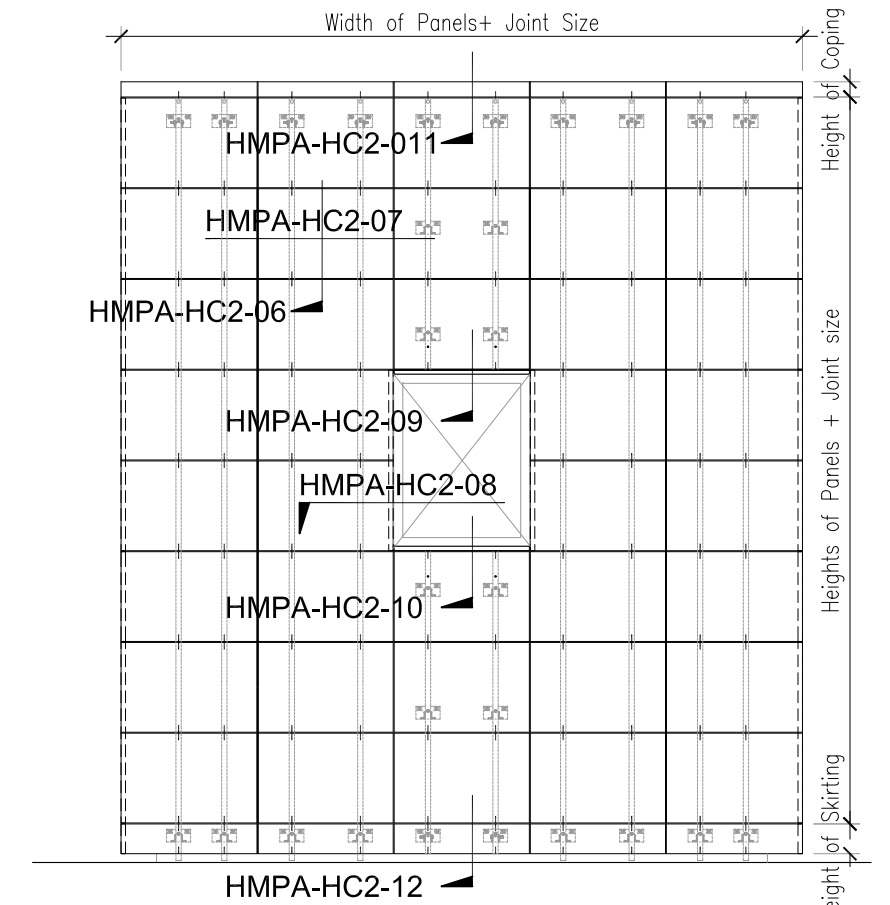
Title :		Vertical Joint Installation - Typical Stone Claddings - HMPA-HC2 System - Horizontal Section			
Drawing No.		HAZCD-HMPA-HC2-ST-08			
Series		Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System			
Revision	01	Scale	As Shown	Paper Size: A3	Page : 8/20

HMPA-HC2

SUB CHANNEL SYSTEM



Horizontal section Scale 1:4



Elevation Scale 1:50

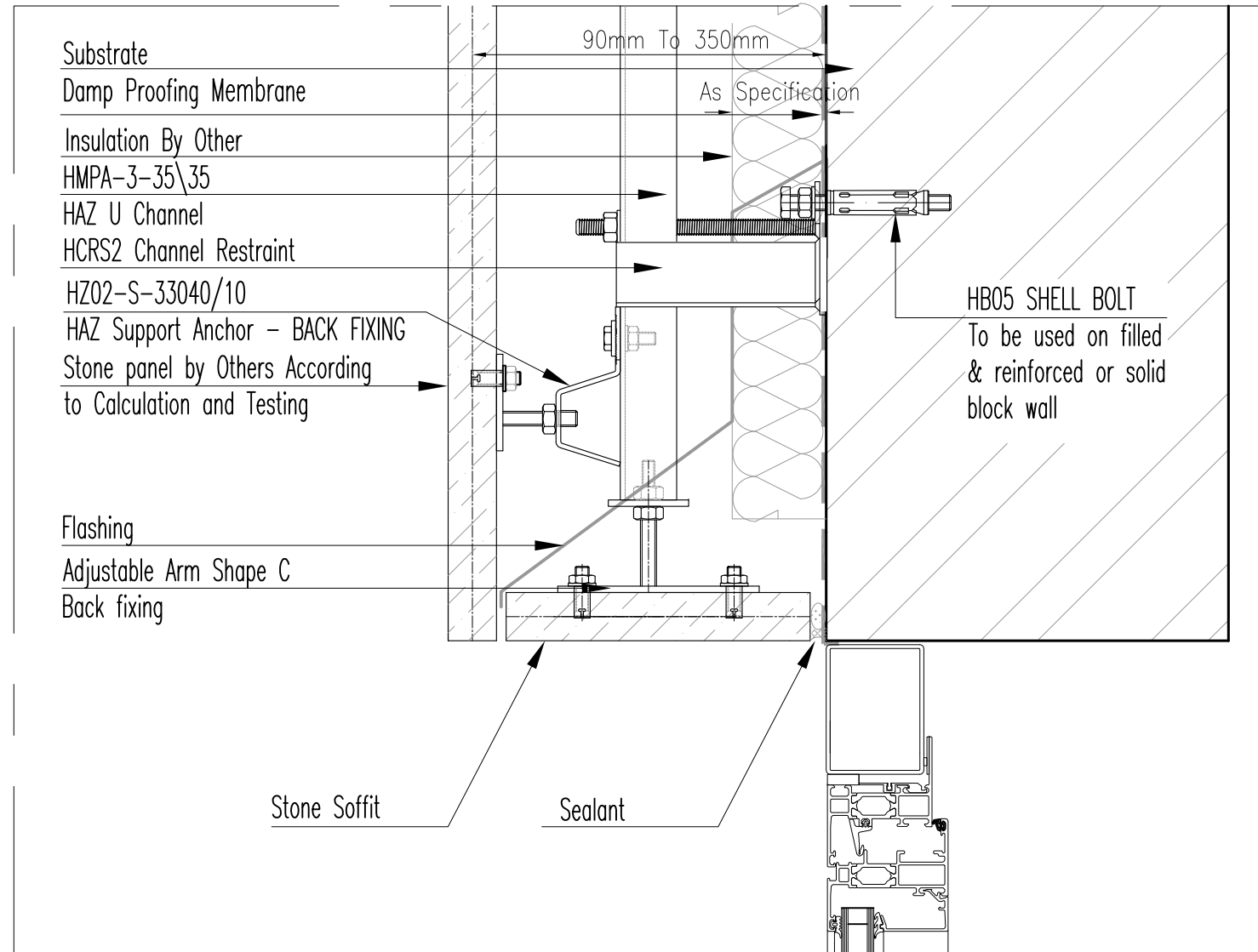


Title :		Horizontal Joint Installation - Stone Reveal - Horizontal Section			
Drawing No.	HAZCD-HMPA-HC2-ST-09				
Series	Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System				
Revision	01	Scale	As Shown	Paper Size: A3	Page : 9/20

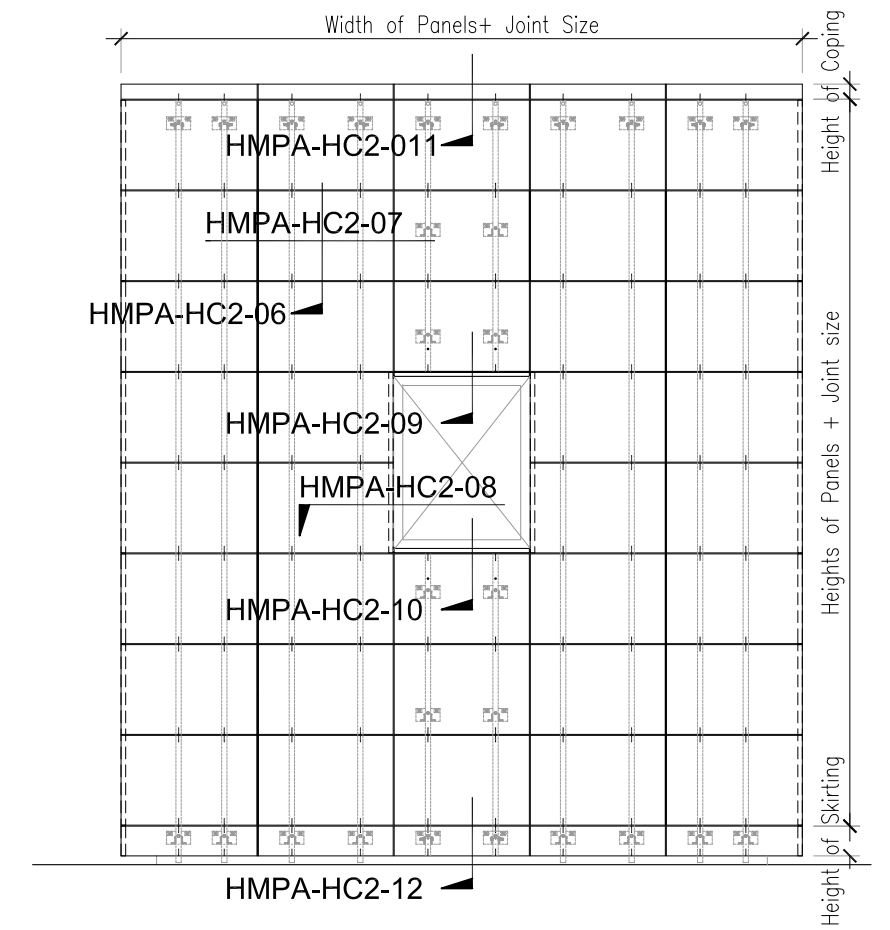
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HMPA-HC2

SUB CHANNEL SYSTEM



Vertical section Scale 1:4



Elevation Scale 1:50

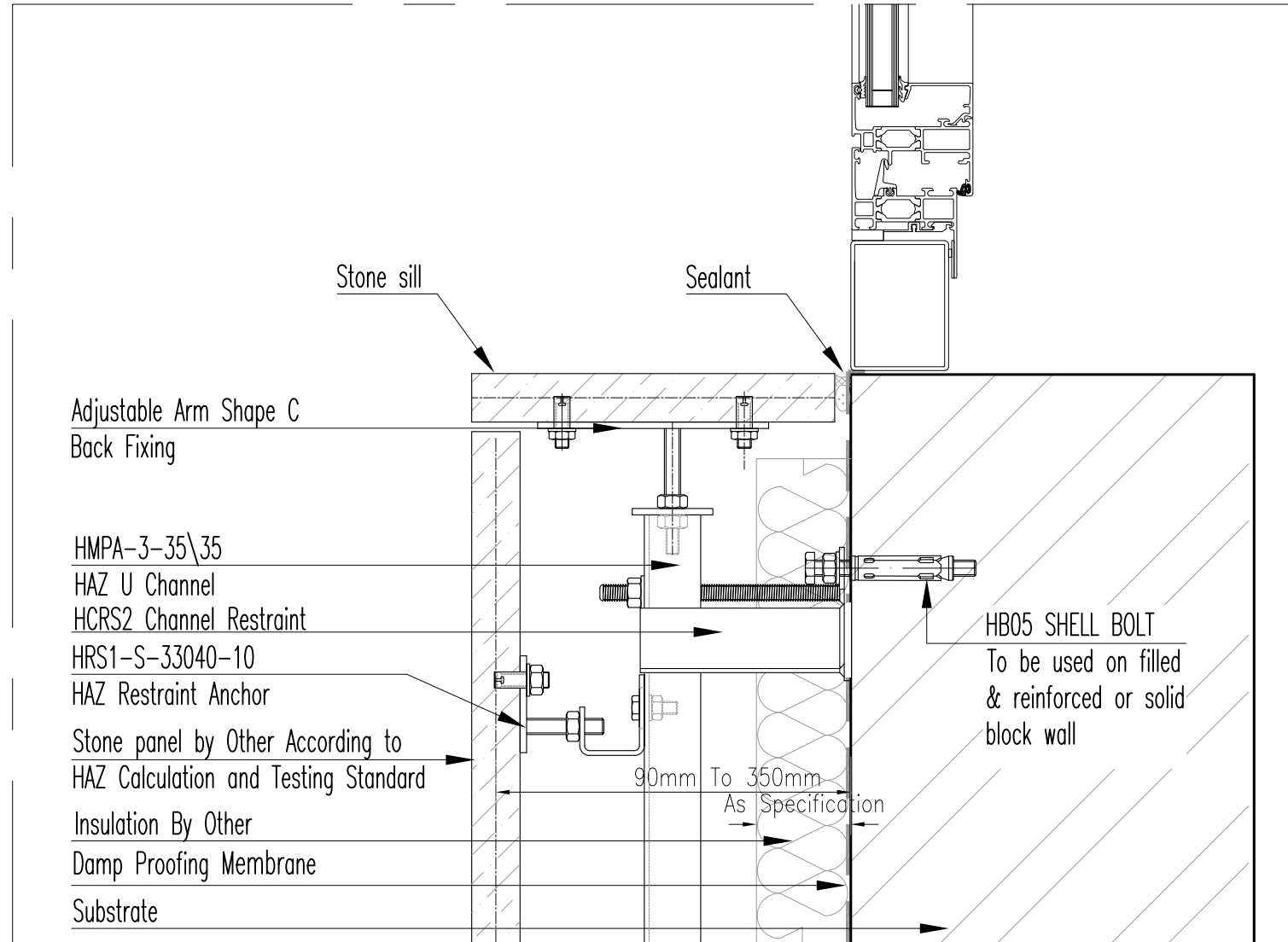


Title :		Vertical Joint Installation - Stone Soffit - Vertical Section			
Drawing No.		HAZCD-HMPA-HC2-ST-10			
Series		Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System			
Revision		01	Scale	As Shown	Paper Size: A3
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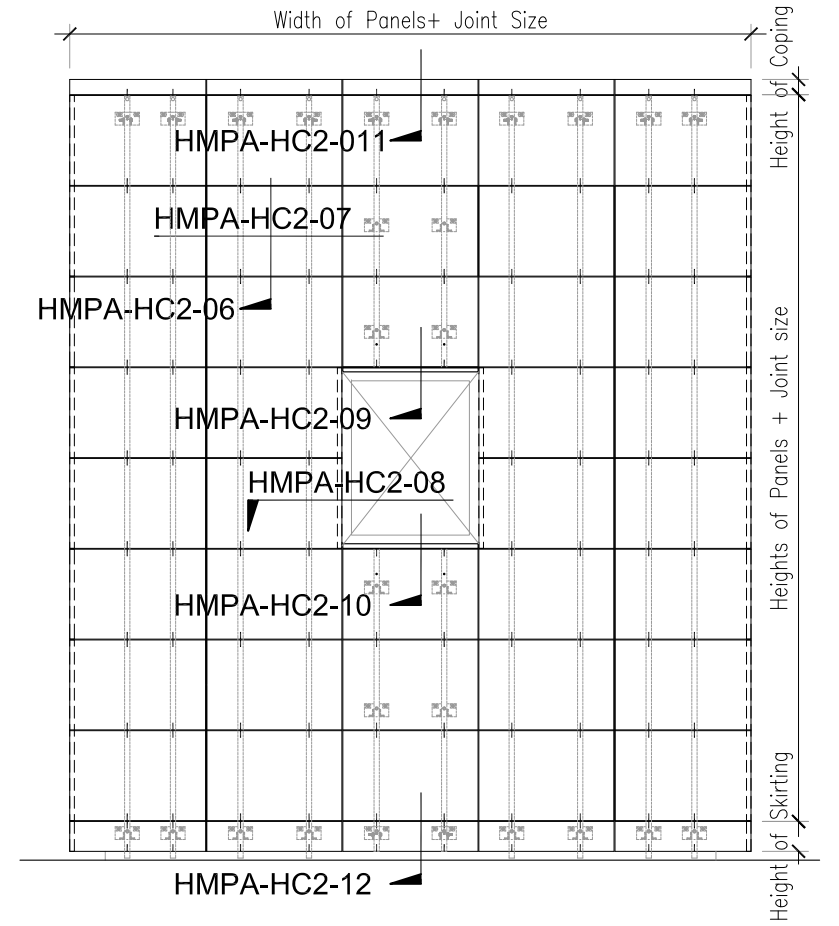
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HMPA-HC2

SUB CHANNEL SYSTEM



Vertical section Scale 1:4



Elevation Scale 1:50

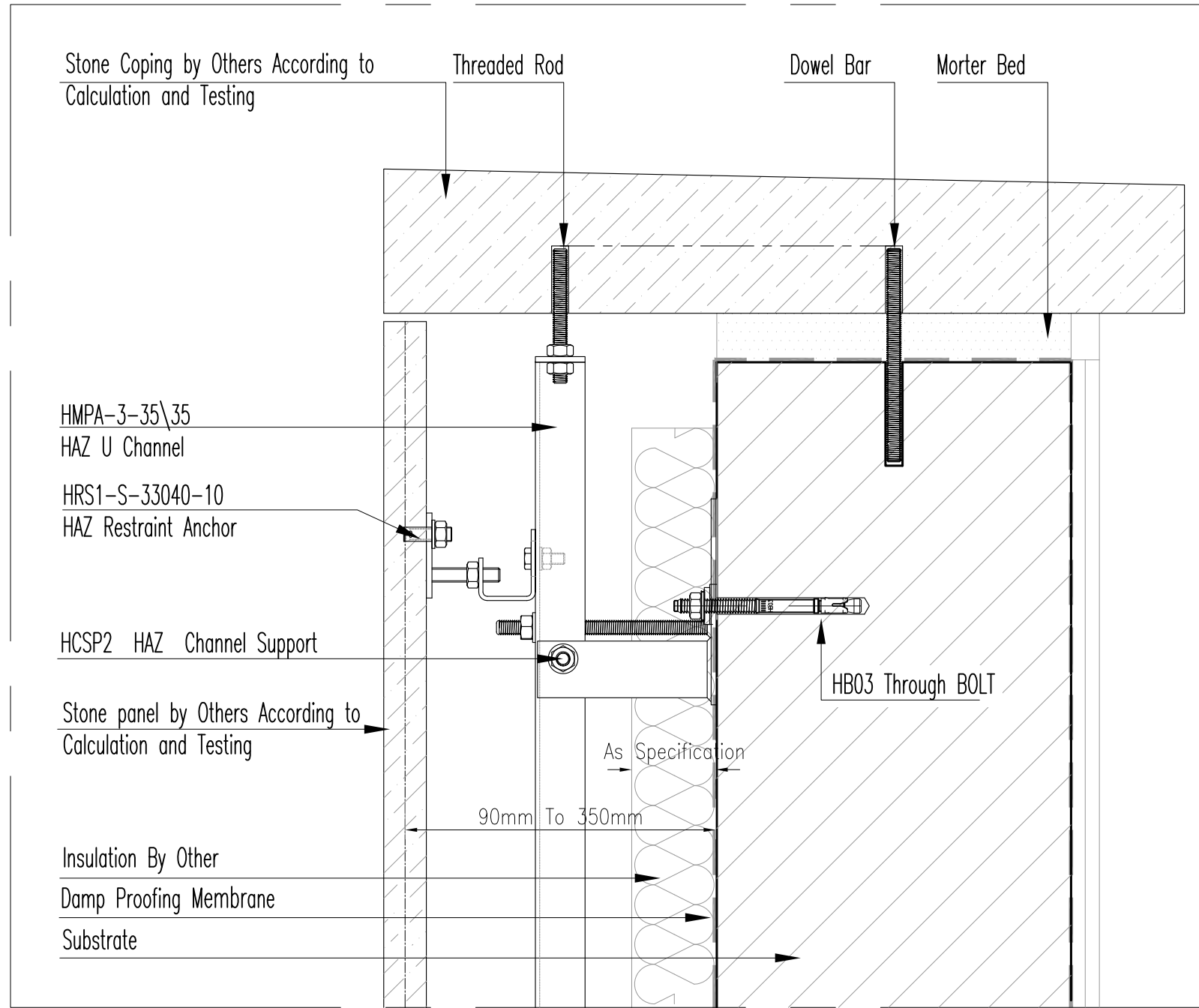


Title :		Vertical Joint Installation - Stone Sill - Vertical Section			
Drawing No.		HAZCD-HMPA-HC2-ST-11			
Series		Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System			
Revision	01	Scale	As Shown	Paper Size: A3	Page : 11/20

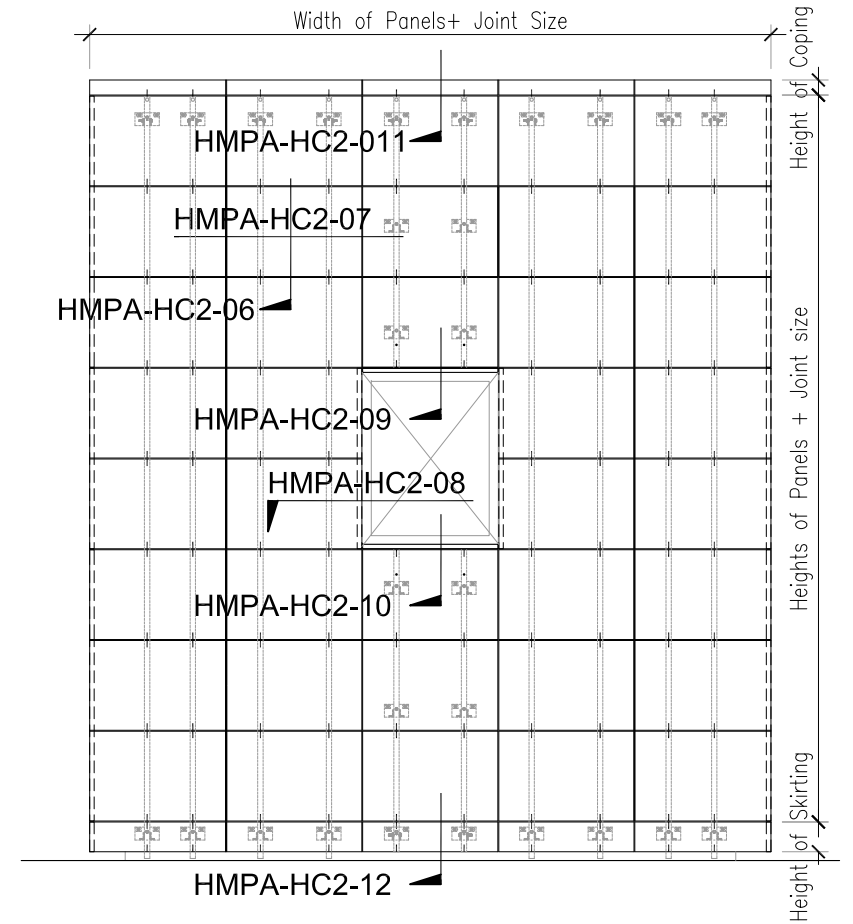
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HMPA-HC2

SUB CHANNEL SYSTEM



Vertical section Scale 1:4



Elevation Scale 1:50

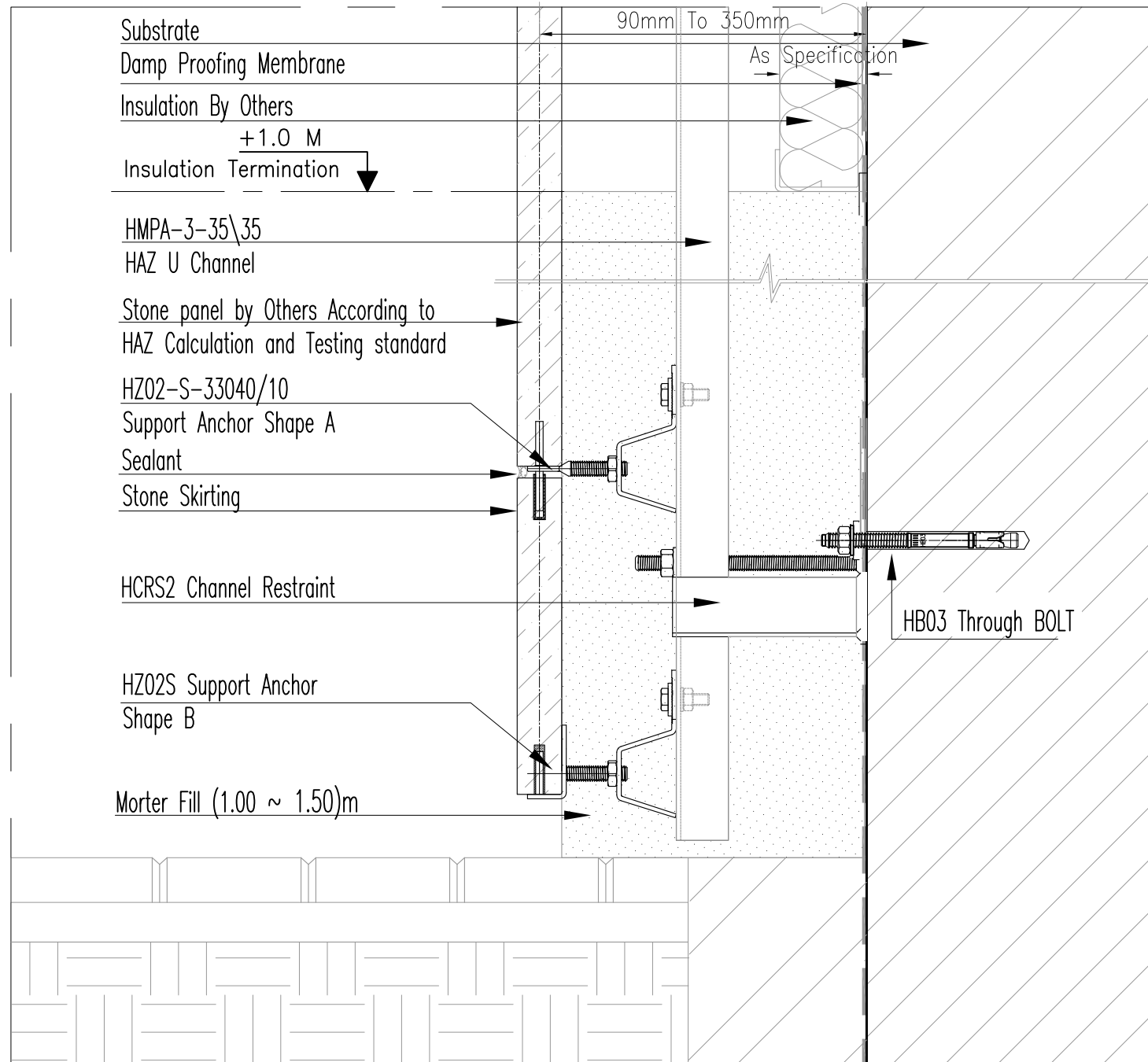


Title :		Horizontal Joint Installation - Stone Coping - Vertical Section			
Drawing No.		HAZCD-HMPA-HC2-ST-12			
Series		Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System			
Revision	01	Scale	As Shown	Paper Size: A3	Page : 12/20

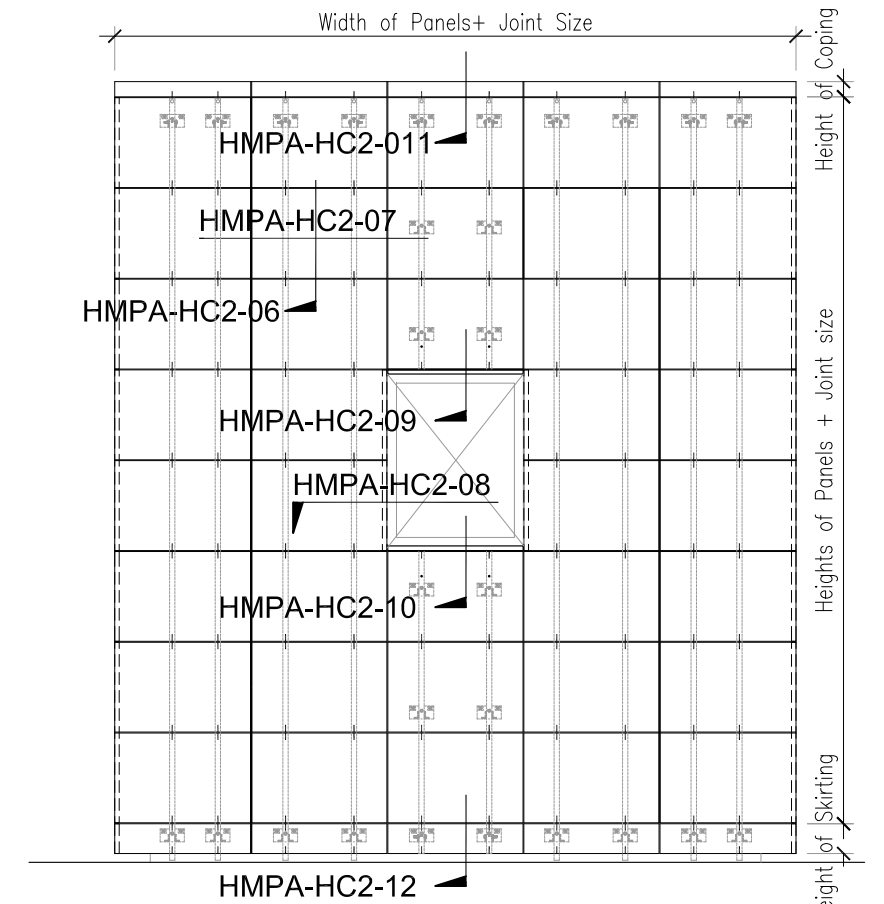
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HMPA-HC2

SUB CHANNEL SYSTEM



Vertical section Scale 1:4



Elevation Scale 1:50

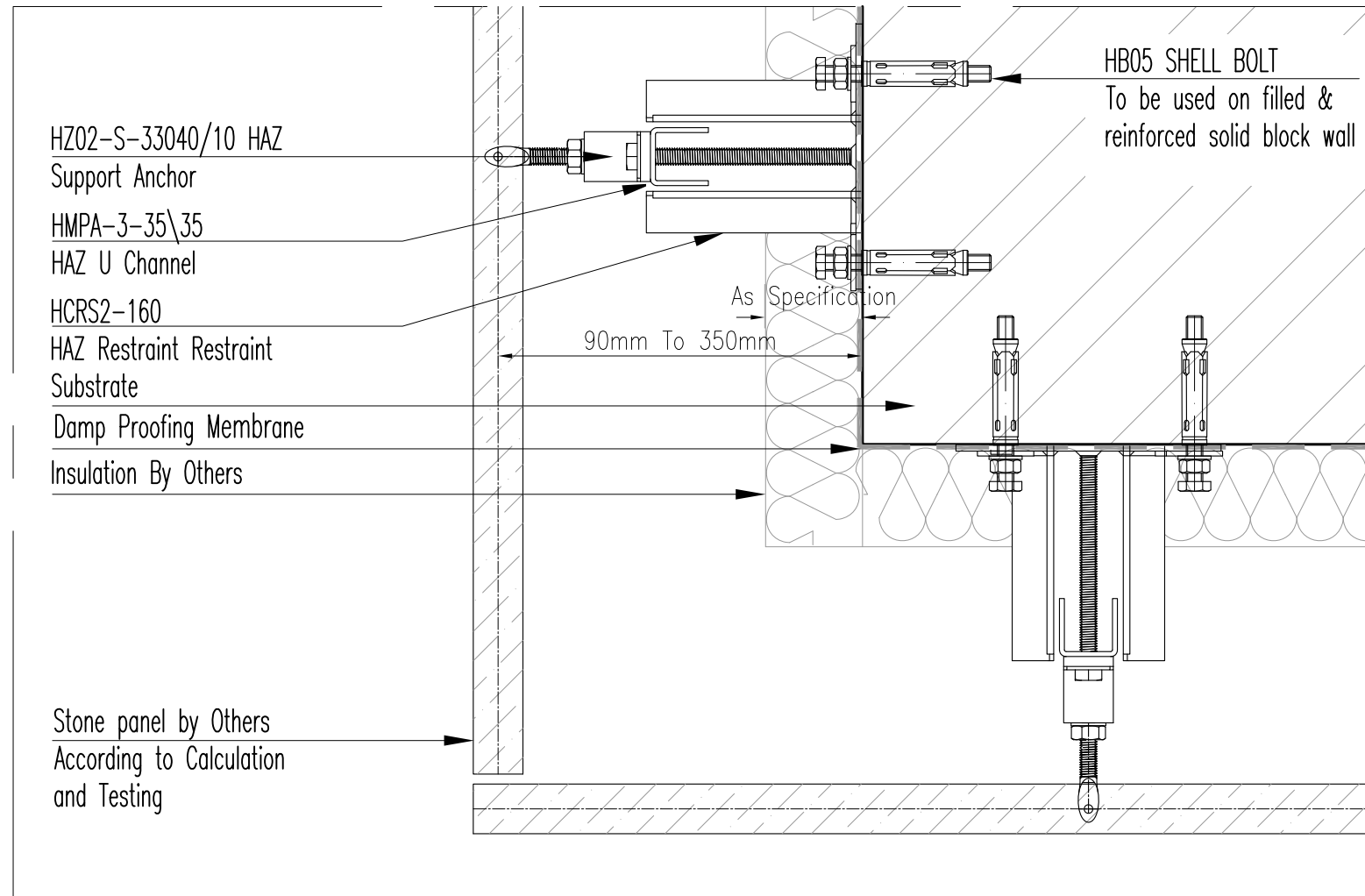


Title :		Horizontal Joint Installation - Stone Skirting - Vertical Section			
Drawing No.		HAZCD-HMPA-HC2-ST-13			
Series		Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System			
Revision	01	Scale	As Shown	Paper Size: A3	Page : 13/20

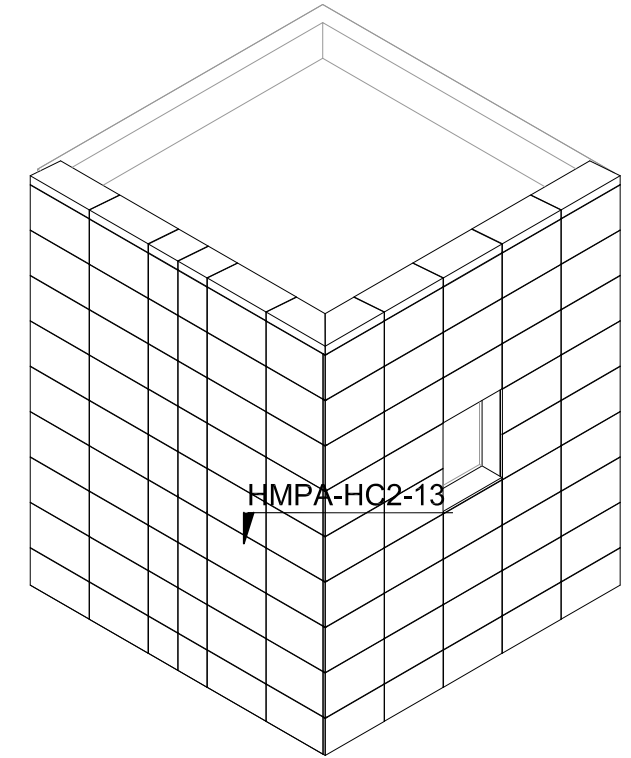
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HMPA-HC2

SUB CHANNEL SYSTEM



Horizontal section Scale 1:4



Isometric Scale 1:100

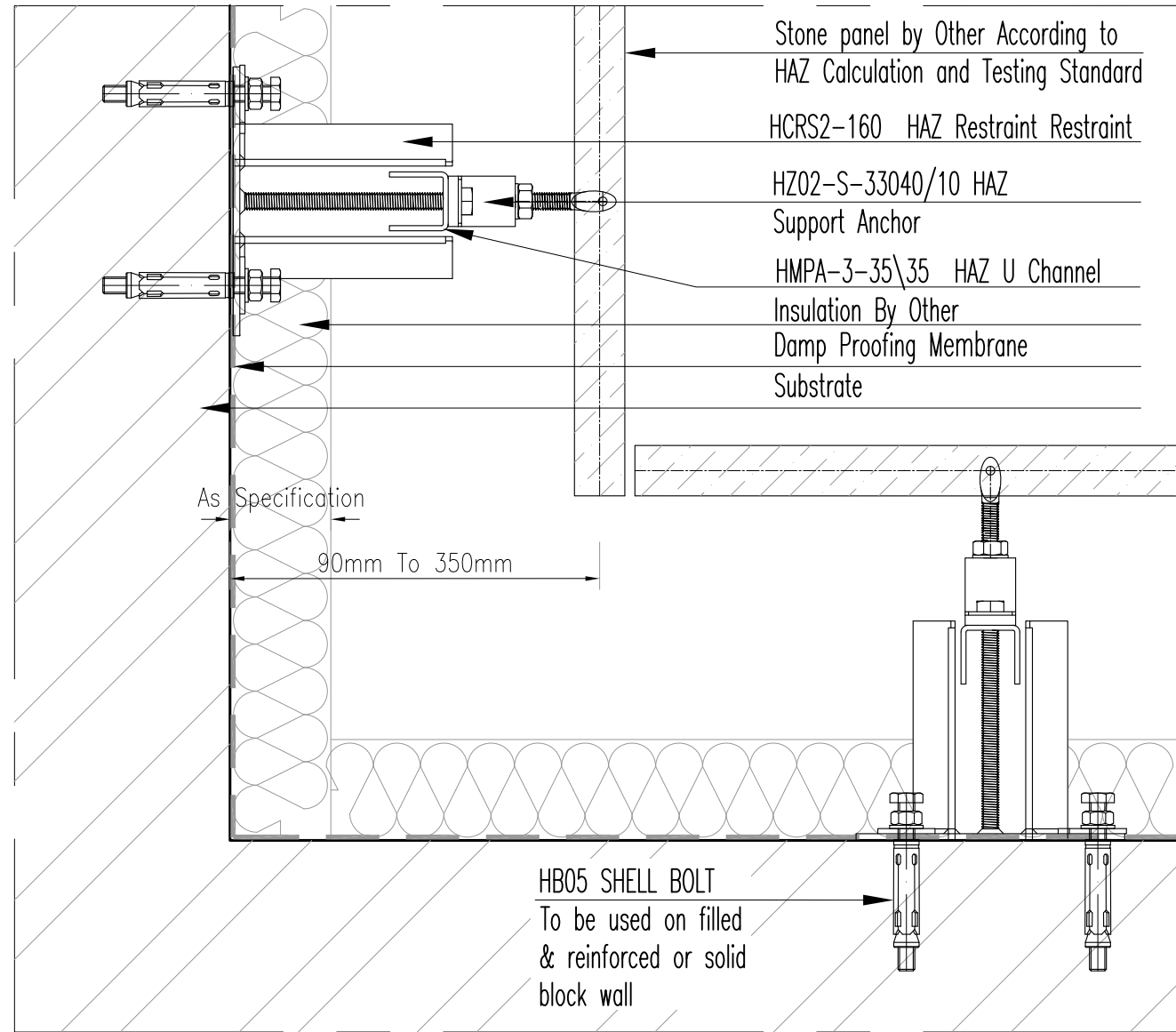


Title :		Horizontal Joint Installation - External Corner Stone Cladding - Horizontal Section			
Drawing No.	HAZCD-HMPA-HC2-ST-14				
Series	Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System				
Revision	01	Scale	As Shown	Paper Size: A3	Page : 14/20

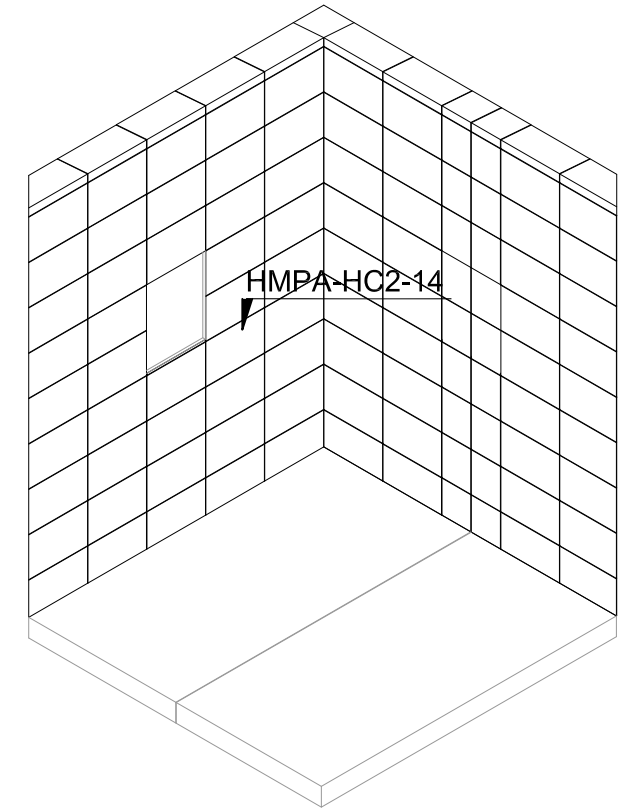
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HMPA-HC2

SUB CHANNEL SYSTEM



Horizontal section Scale 1:4



Isometric Scale 1:100

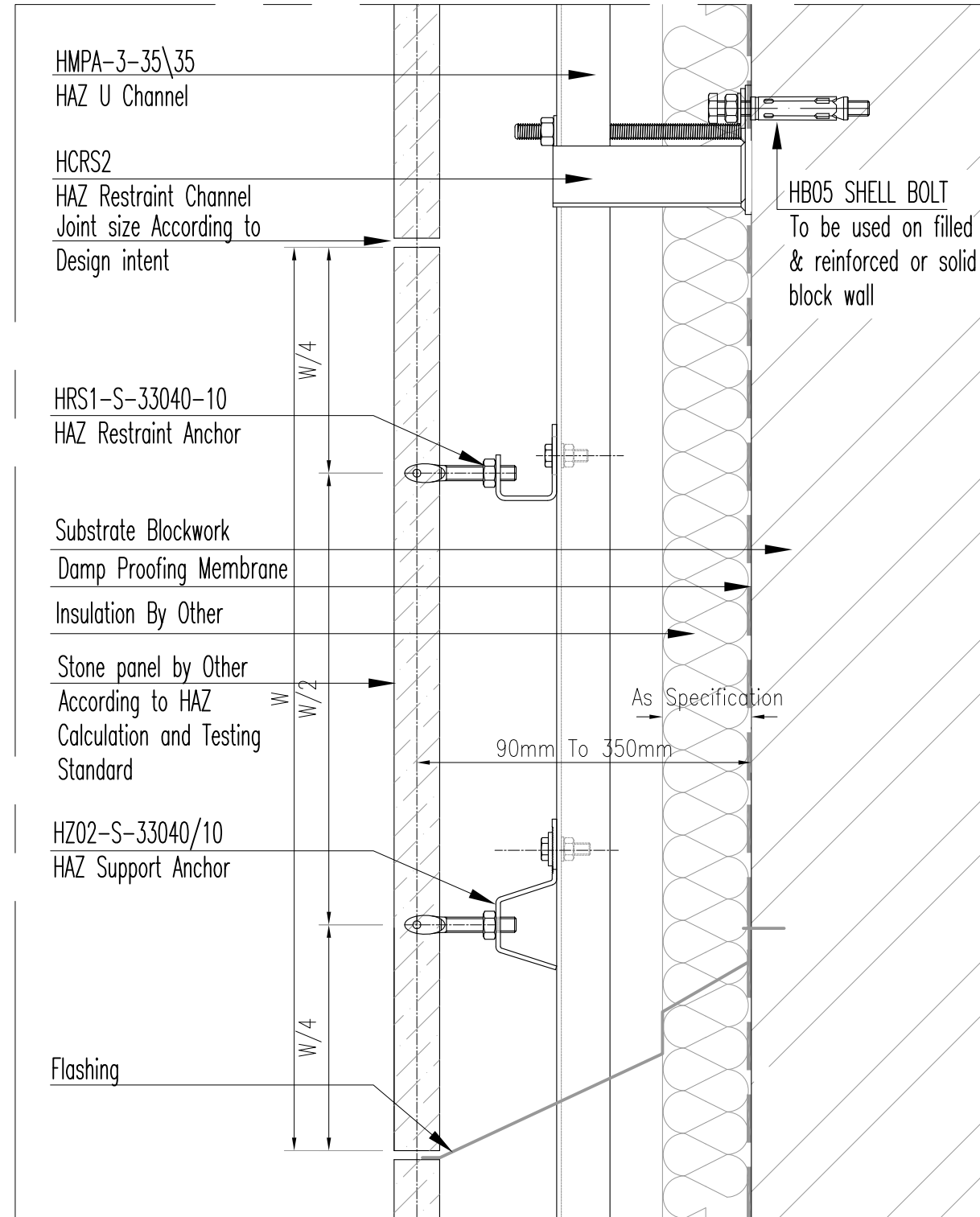


Title :		Horizontal Joint Installation - Internal Corner Stone Cladding - Horizontal Section			
Drawing No.		HAZCD-HMPA-HC2-ST-15			
Series		Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System			
Revision	01	Scale	As Shown	Paper Size: A3	Page : 15/20

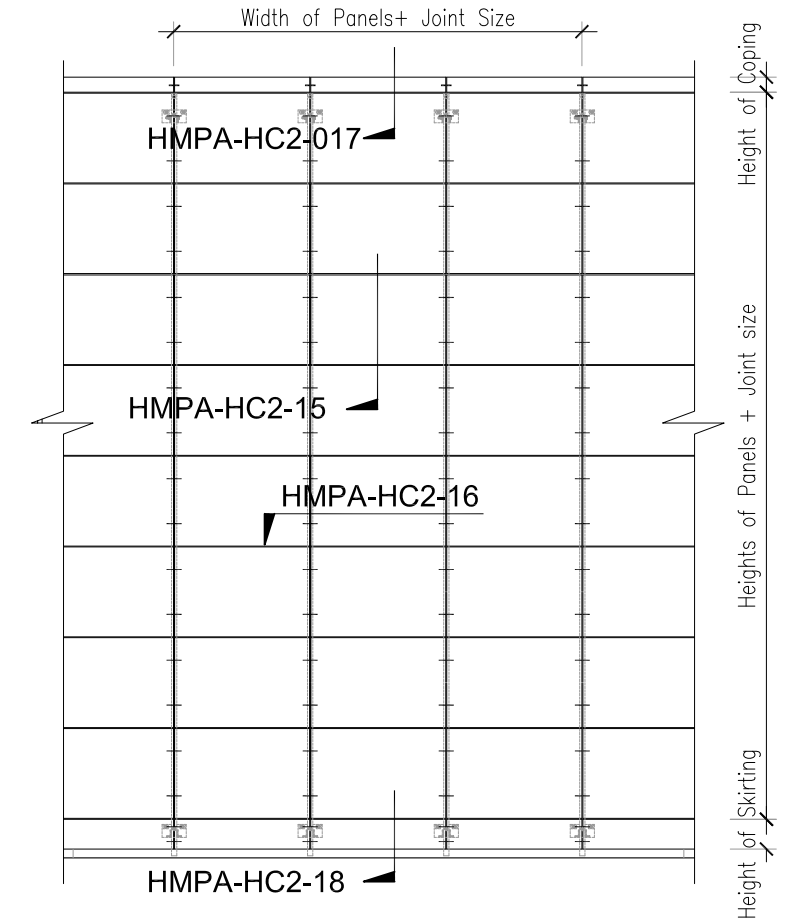
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HMPA-HC2

SUB CHANNEL SYSTEM



Vertical section Scale 1:4



Elevation Scale 1:50



Title : Vertical Joint Installation - Typical Stone Claddings - HMPA-HC2 System - Vertical Section

Drawing No. HAZCD-HMPA-HC2-ST-16

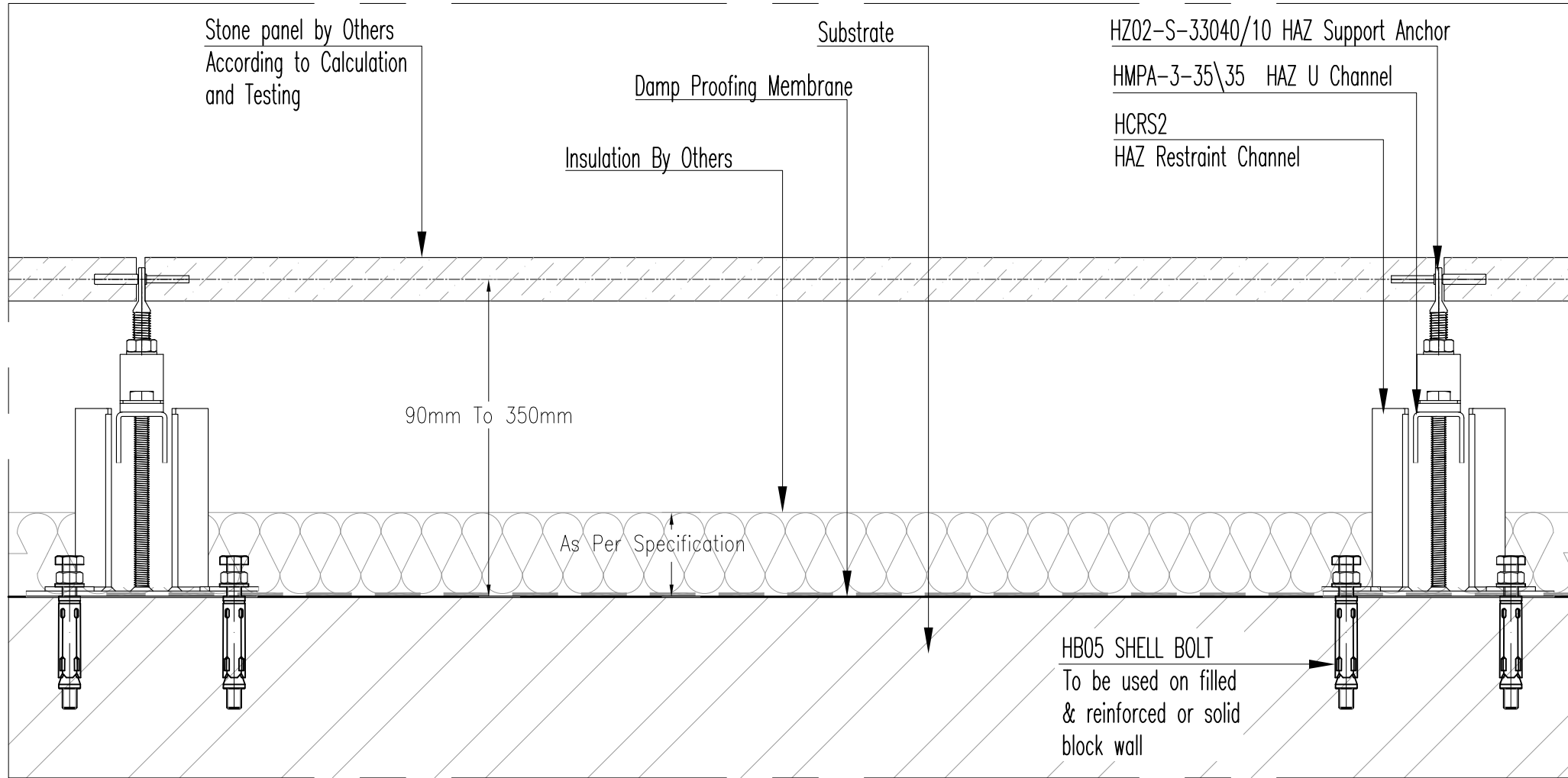
Series Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System

Revision	01	Scale	As Shown	Paper Size:	A3	Page :	16/20
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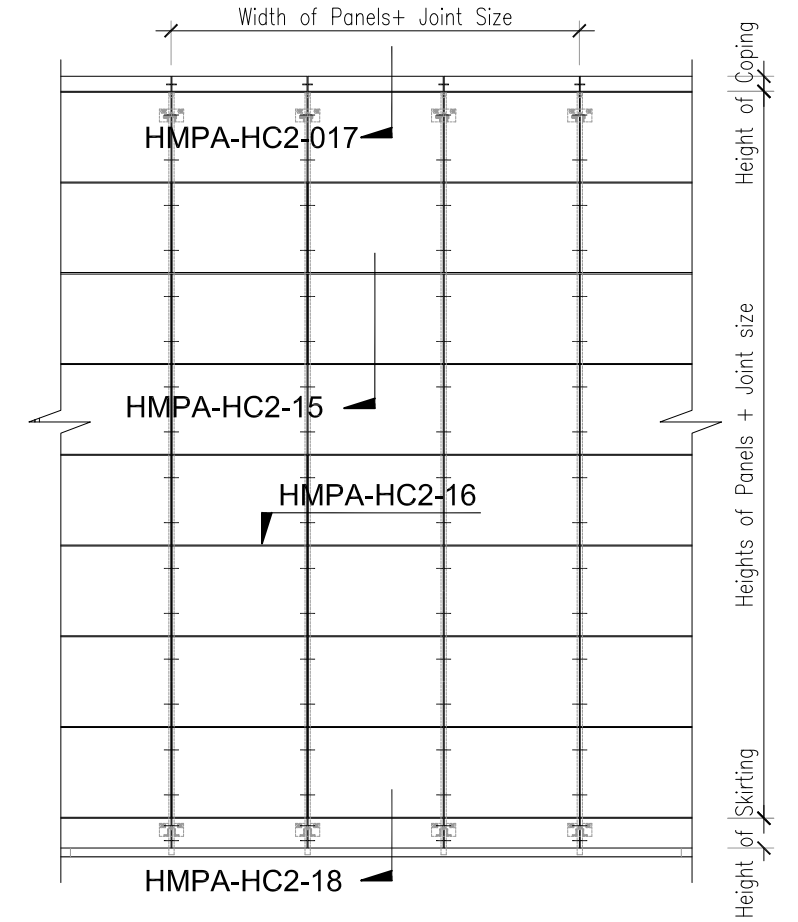
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HMPA-HC2

SUB CHANNEL SYSTEM



Horizontal section Scale 1:4



Elevation Scale 1:50

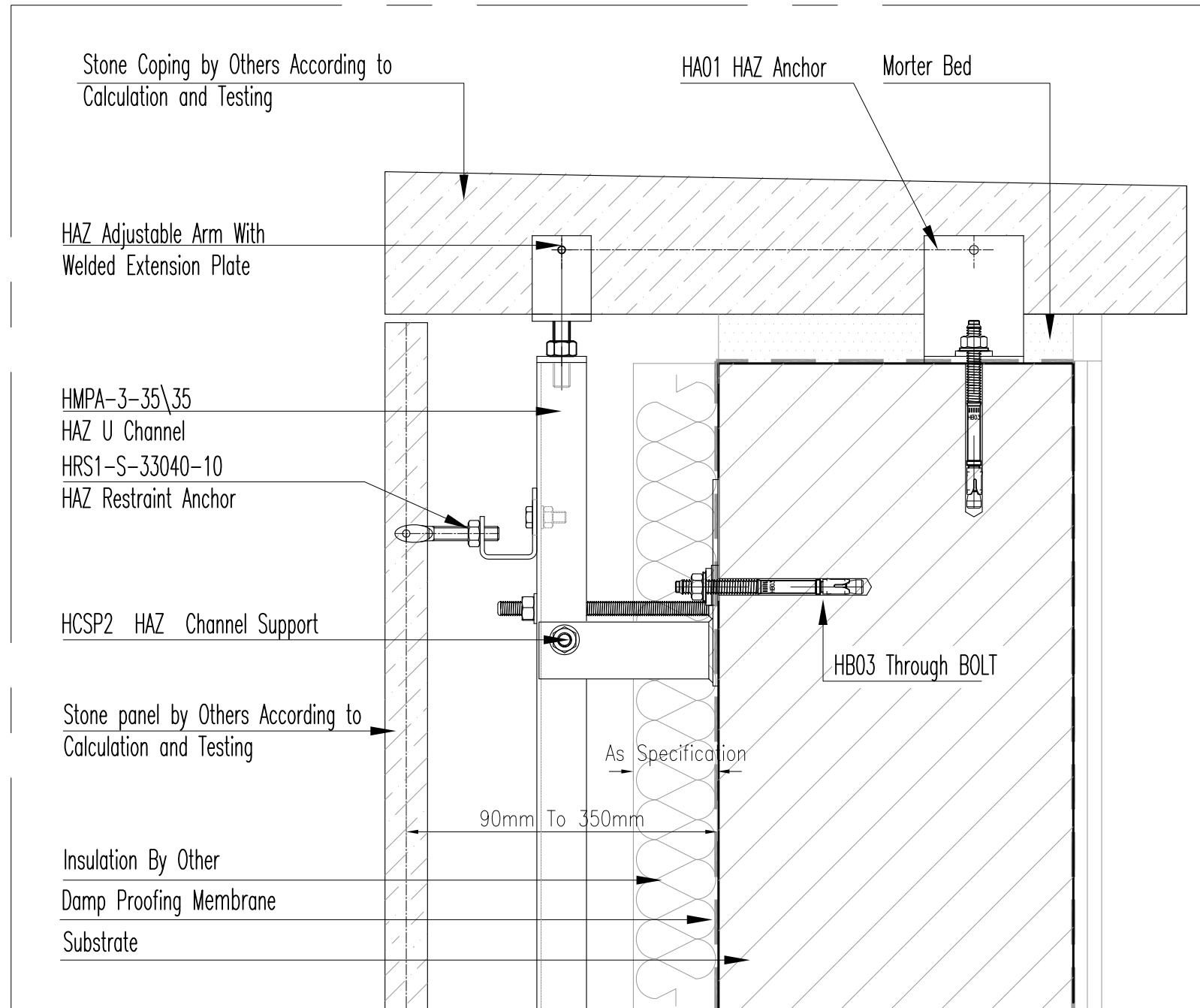


Title :		Vertical Joint Installation - Typical Stone Claddings - HMPA-HC2 System - Horizontal Section			
Drawing No.		HAZCD-HMPA-HC2-ST-17			
Series		Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System			
Revision	01	Scale	As Shown	Paper Size: A3	Page : 17/20

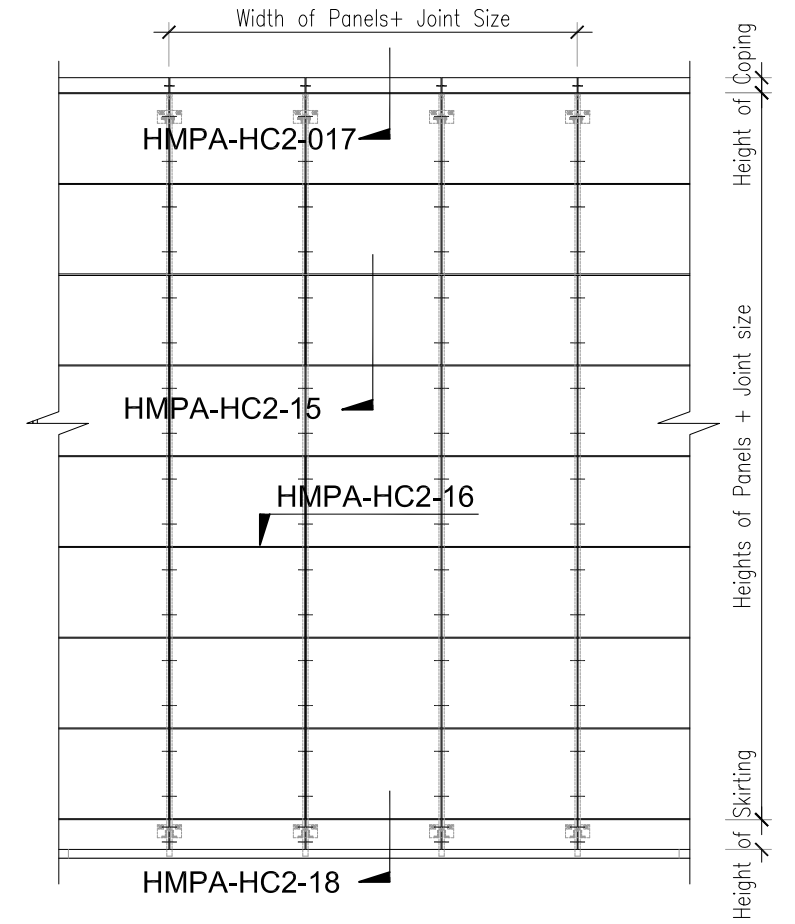
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HMPA-HC2

SUB CHANNEL SYSTEM



Vertical section Scale 1:4



Elevation Scale 1:50

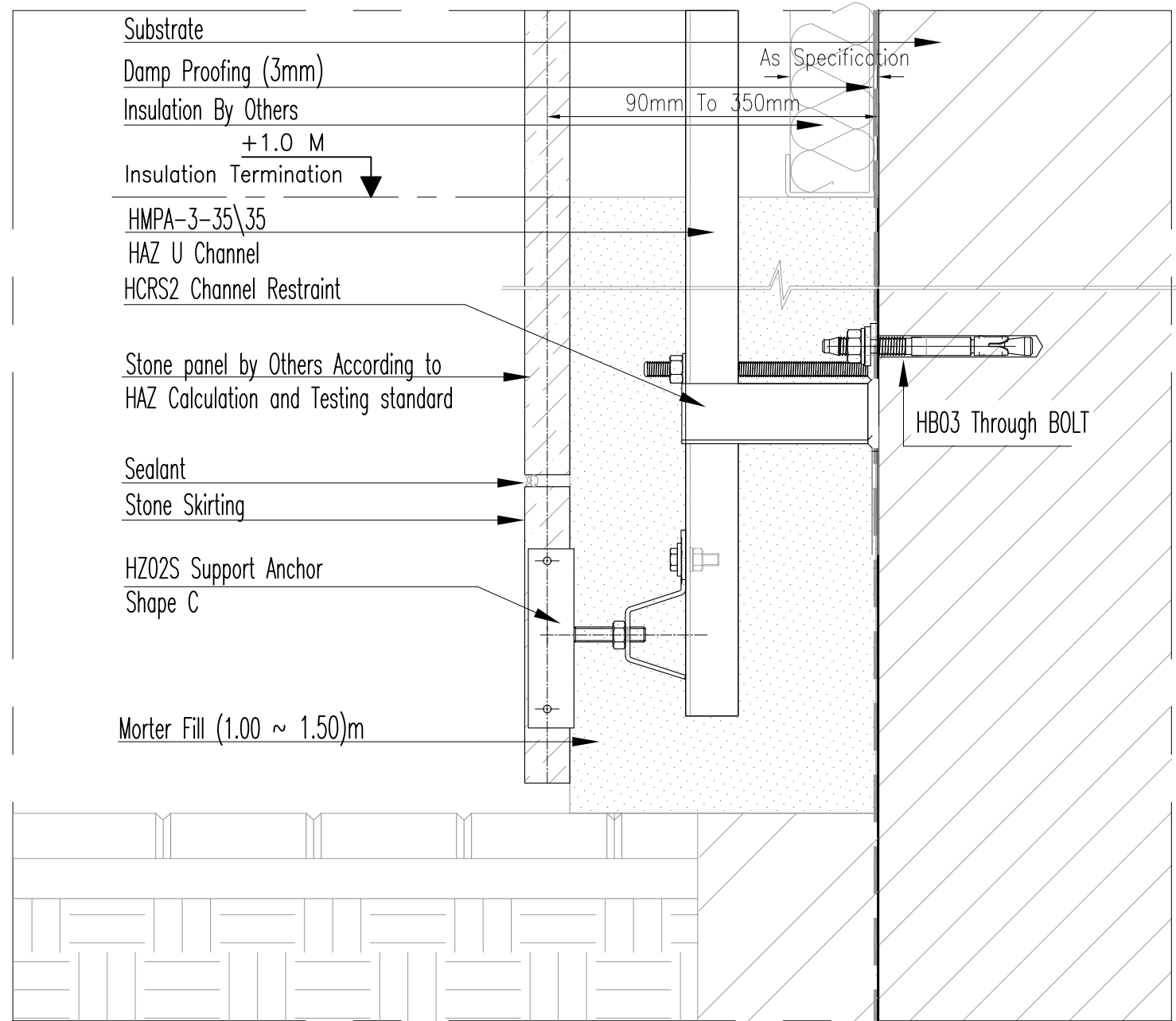


Title :		Vertical Joint Installation - Stone Coping - Vertical Section			
Drawing No.		HAZCD-HMPA-HC2-ST-18			
Series		Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System			
Revision	01	Scale	As Shown	Paper Size: A3	Page : 18/20

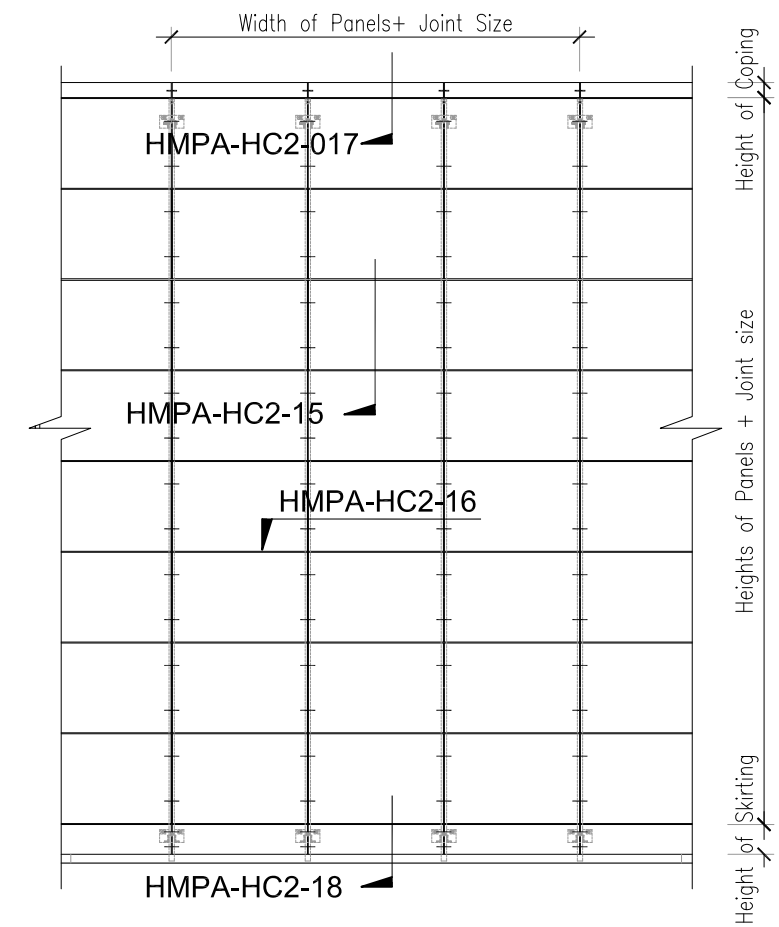
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HMPA-HC2

SUB CHANNEL SYSTEM



Vertical section Scale 1:4



Elevation Scale 1:50

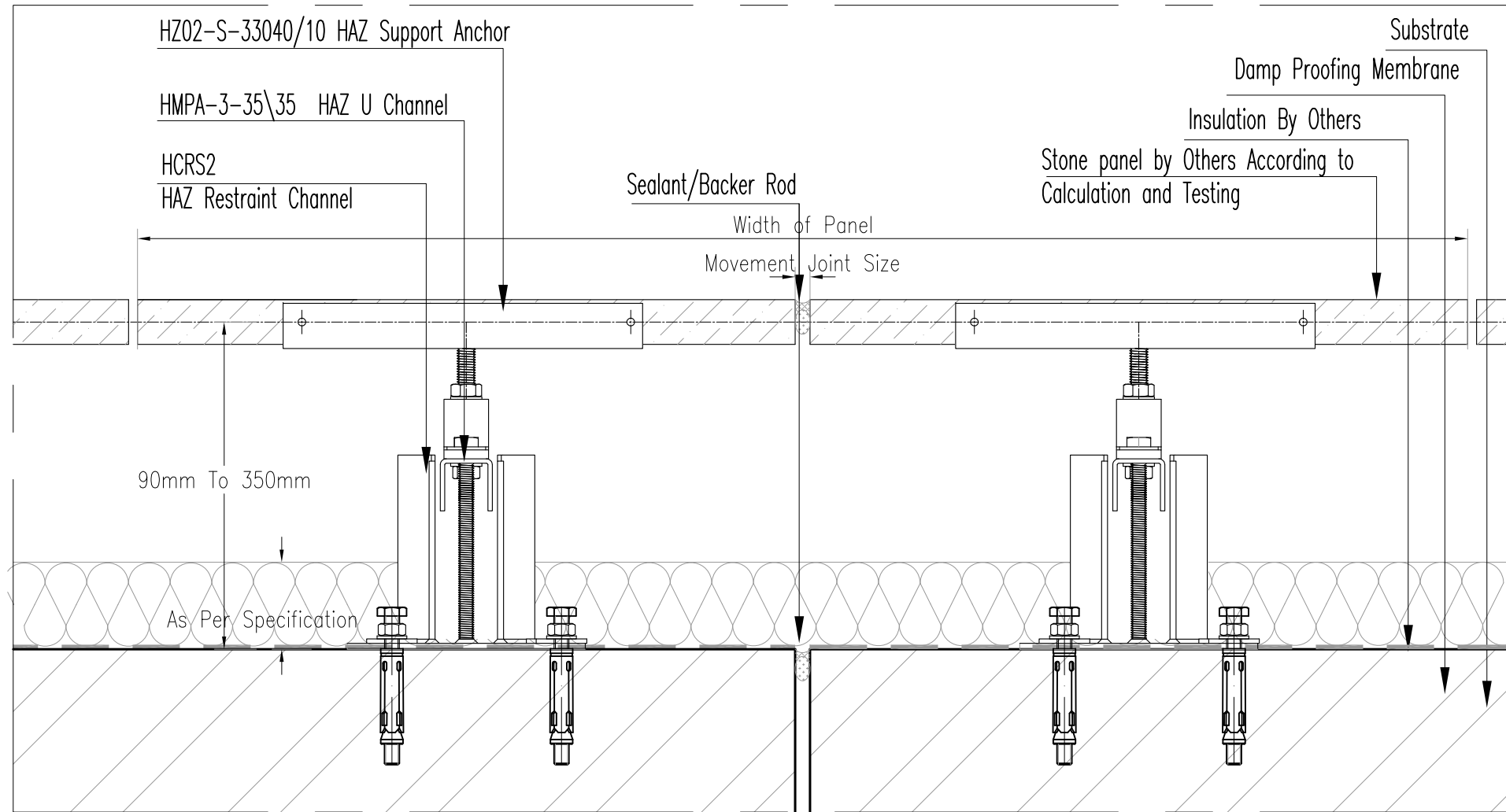


Title :		Vertical Joint Installation - Stone Skirting - Vertical Section			
Drawing No.		HAZCD-HMPA-HC2-ST-19			
Series		Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System			
Revision		01	Scale	As Shown	Paper Size: A3
					Page : 19/20

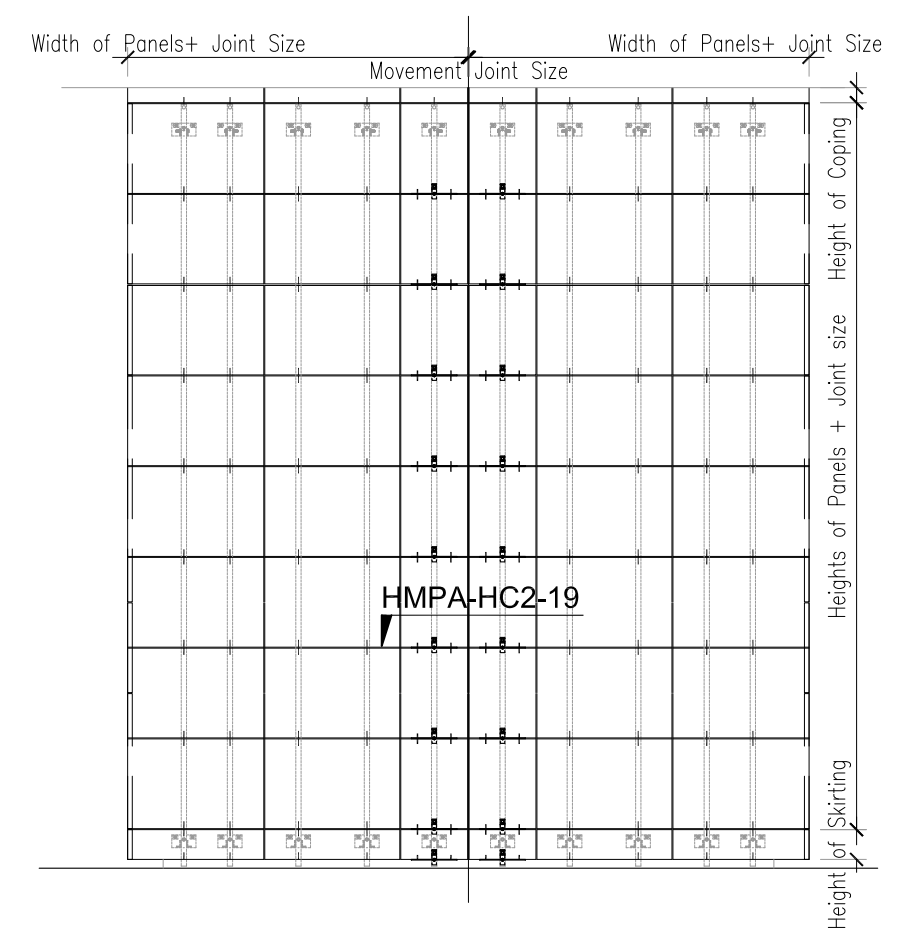
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HMPA-HC2

SUB CHANNEL SYSTEM



Horizontal section Scale 1:4



Variation on Typical Elevation
Scale 1:50



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Title :		Horizontal Joint Installation - Typical Stone Claddings - Movement Joint - Horizontal Section			
Drawing No.		HAZCD-HMPA-HC2-ST-20			
Series		Concept Drawings - Natural Stone Fixing System - HMP Sub Channel System			
Revision		01	Scale	As Shown	Paper Size: A3
					Page : 20/20