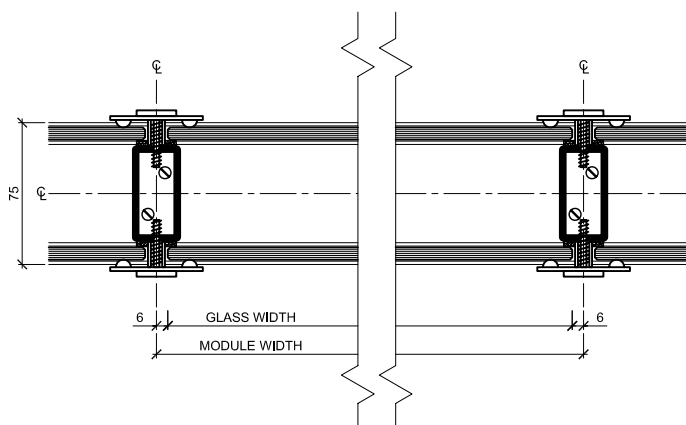
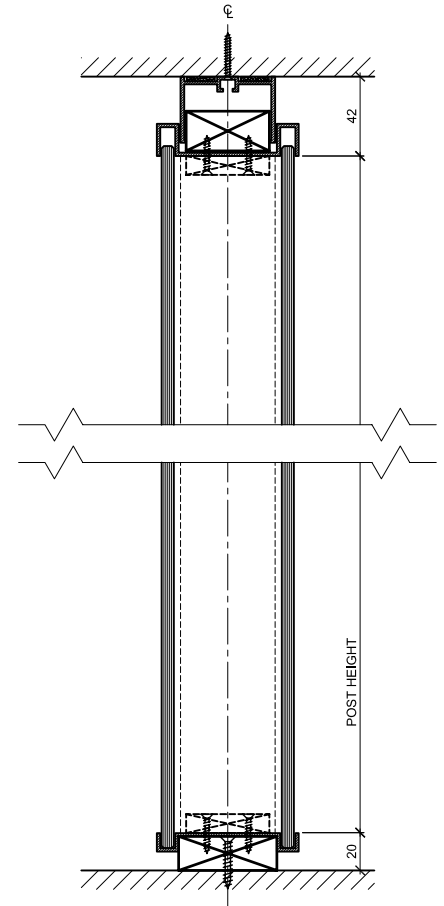
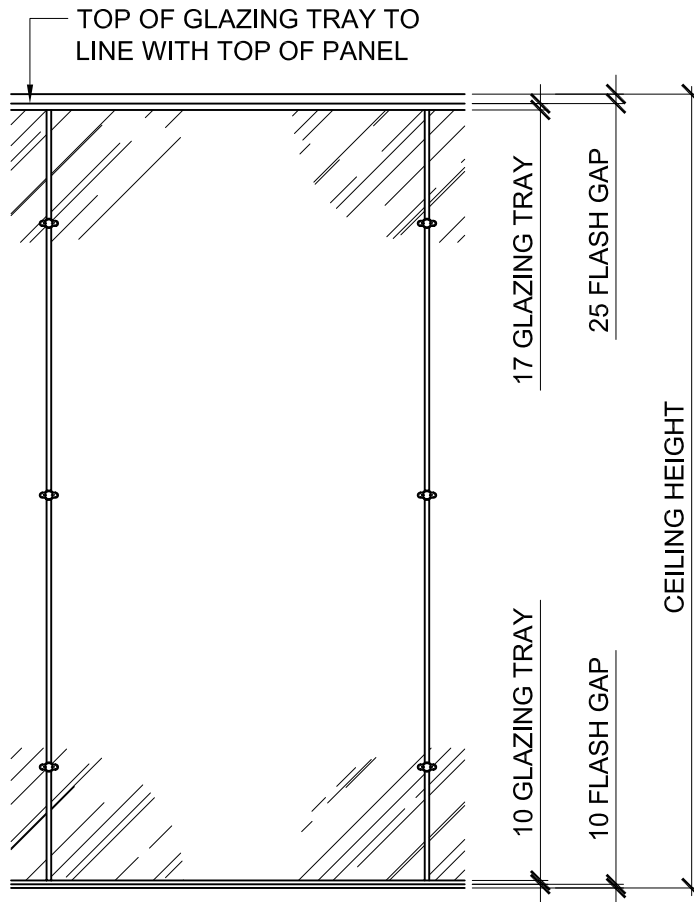


## Calculations

Scale 1:4

## Esswall Mechanical Fixing



CEILING HEIGHT	
DESIGN HEIGHT	
MODULE SIZE	
CEILING TYPE	
FLOOR FINISH	

GLASS WIDTH = MODULE WIDTH - 12	=
---------------------------------	---

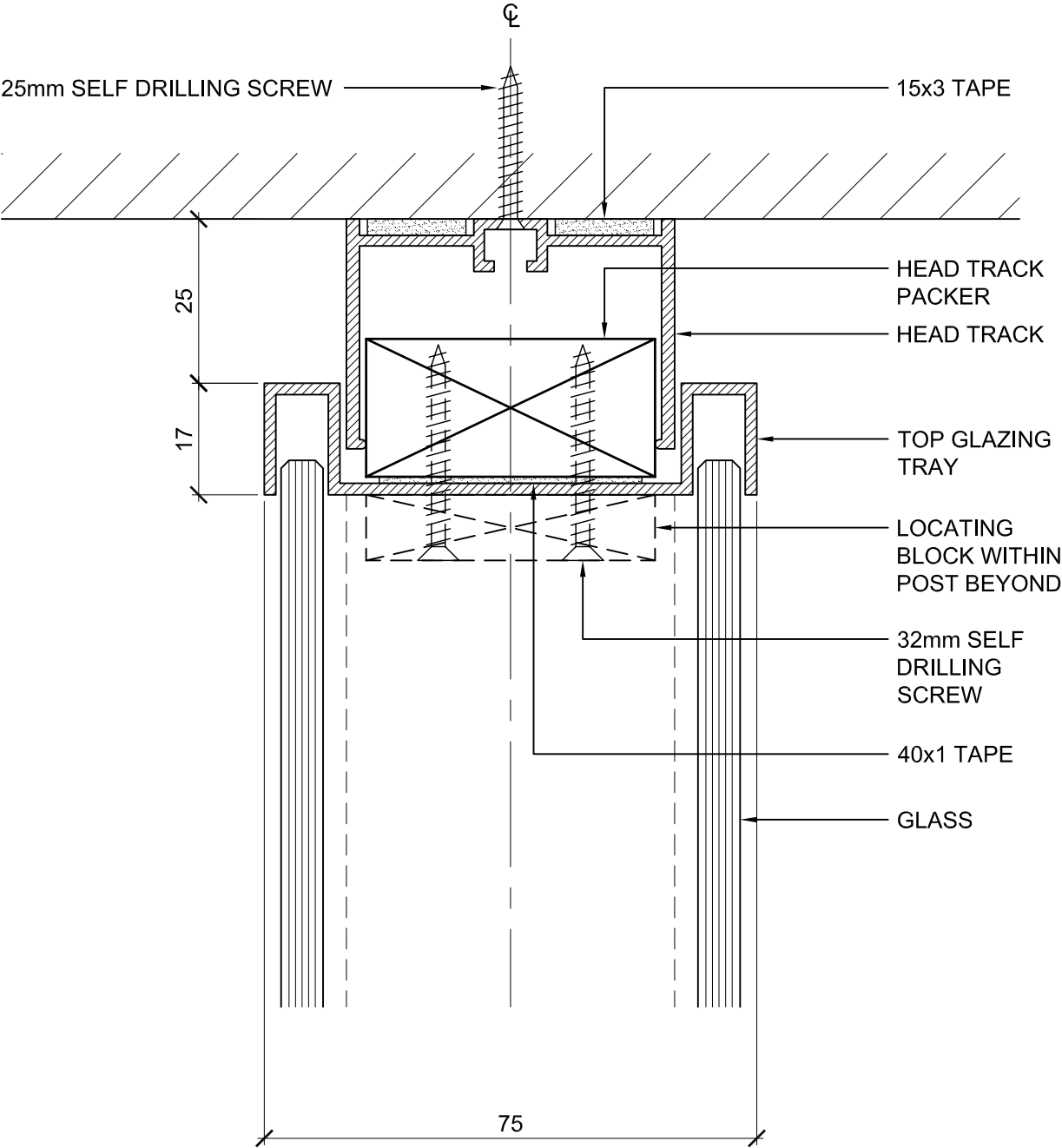
GLASS HEIGHT = POST HEIGHT + 14	=
---------------------------------	---

POST HEIGHT = DESIGN HEIGHT - 62	=
----------------------------------	---



Head  
Scale 1:1

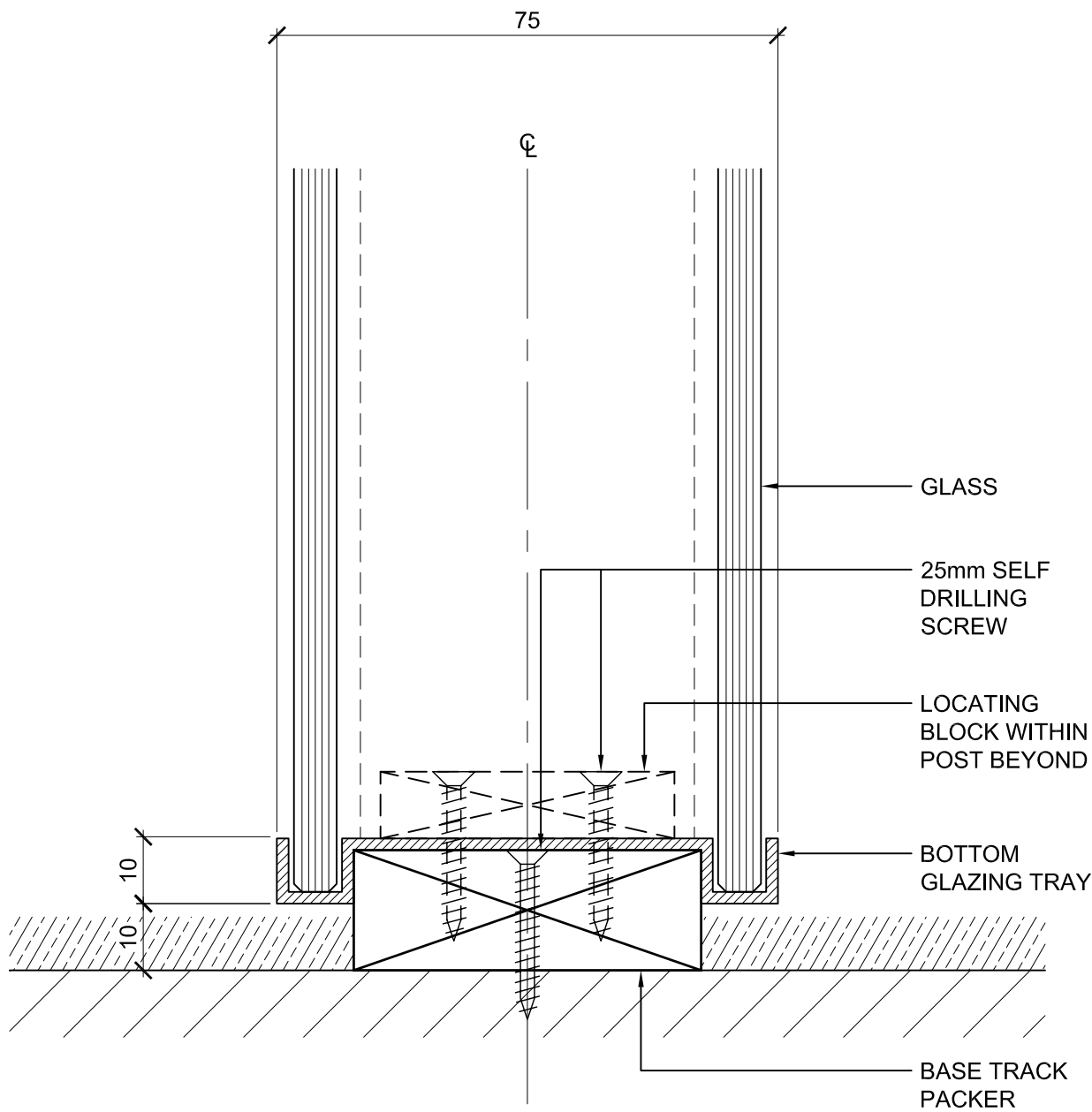
Esswall Mechanical Fixing



MATERIALS SCHEDULE		
REF	SIZE	DESCRIPTION
ITT 122	50mm x 35mm	HEAD TRACK PAINTED RAL 9007
	3m LENGTH	HEAD TRACK PACKER (EDGES PAINTED RAL 9007)
TPN 122	17mm x 75mm	TOP GLAZING TRAY
		LOCATING BLOCK (MDF)
6,8mm LAMINATE	SITE DIMENSIONS	6,8mm LAMINATED GLASS
A143315 BK	15mm x 3mm	15x3 TAPE SINGLE SIDED
5469140 BK	40mm x 1mm	40x1 TAPE DOUBLE SIDED
15029	3,5mm x 25mm	25mm SELF DRILLING SCREW
15030	3,5mm x 32mm	32mm SELF DRILLING SCREW

Base  
Scale 1:1

Esswall Mechanical Fixing

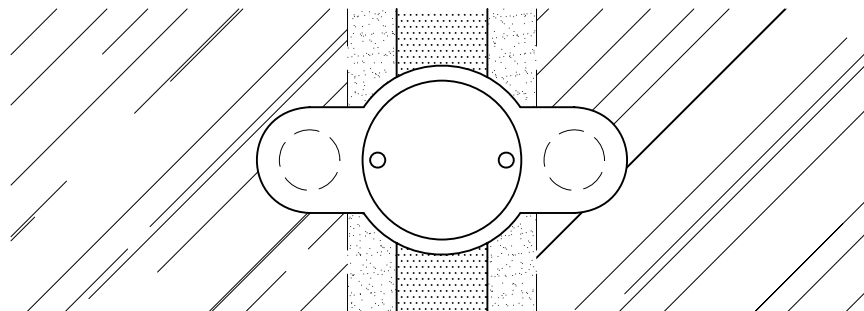
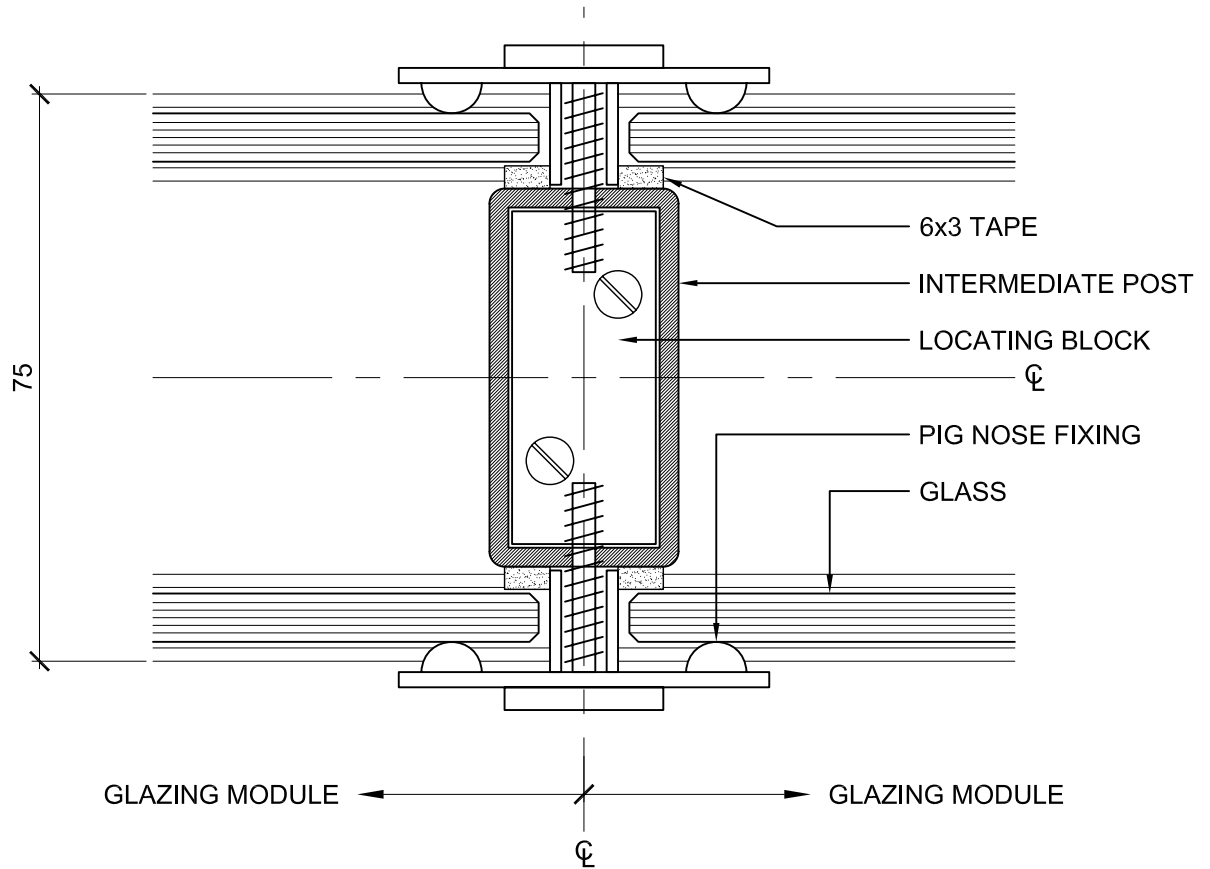


MATERIALS SCHEDULE		
REF	SIZE	DESCRIPTION
TPN 120	10mm x 75mm	BOTTOM GLAZING TRAY
	3m LENGTH	BASE TRACK PACKER (EDGES PAINTED RAL 9007)
		LOCATING BLOCK (MDF)
6.8mm LAMINATE	SITE DIMENSIONS	6.8mm LAMINATED GLASS
15029	3.5mm x 25mm	25mm SELF DRILLING SCREW

Module Junction

Scale 1:1

## Esswall Mechanical Fixing

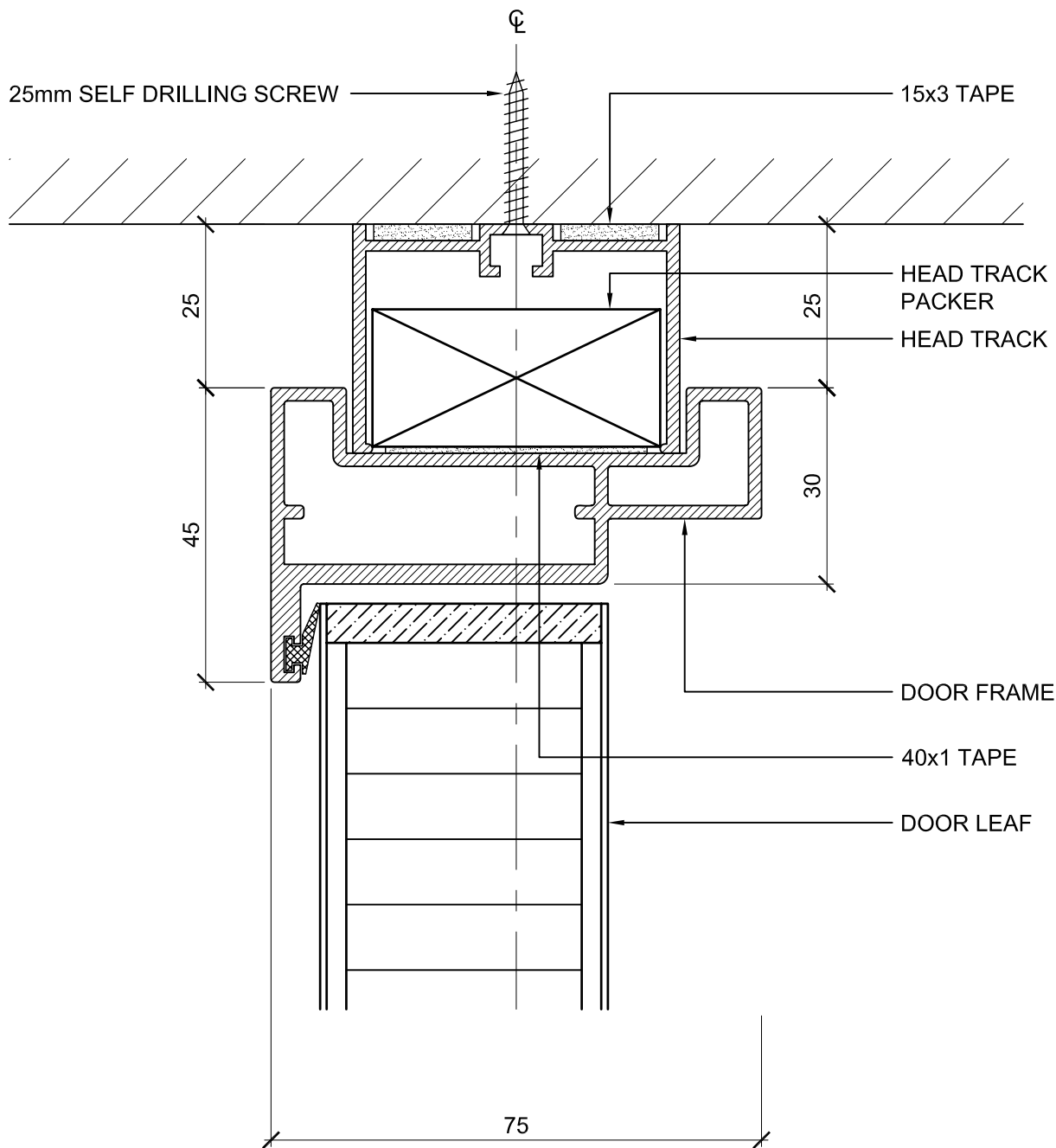


**PIGNOSE FIXING BOLT TO BE SCREWED INTO POST TO FORCE GLASS AGAINST FOAM SEAL DEADENING ALL MOVEMENT**

MATERIALS SCHEDULE		
REF	SIZE	DESCRIPTION
INTERMEDIATE POST	25mm x 50mm x HEIGHT	INTERMEDIATE POST (DRILLED & TAPPED TO RECIEVE MECHANICAL FIXING)
PIG NOSE		MECHANICAL FIXING (STANDARD)
		LOCATING BLOCK (MDF)
6.8mm LAMINATE	SITE DIMENSIONS	6.8mm LAMINATED GLASS
A14736 BK	6mm x 3mm	6x3 TAPE SINGLE SIDED BLACK

Door Frame  
Scale 1:1

Esswall Mechanical Fixing

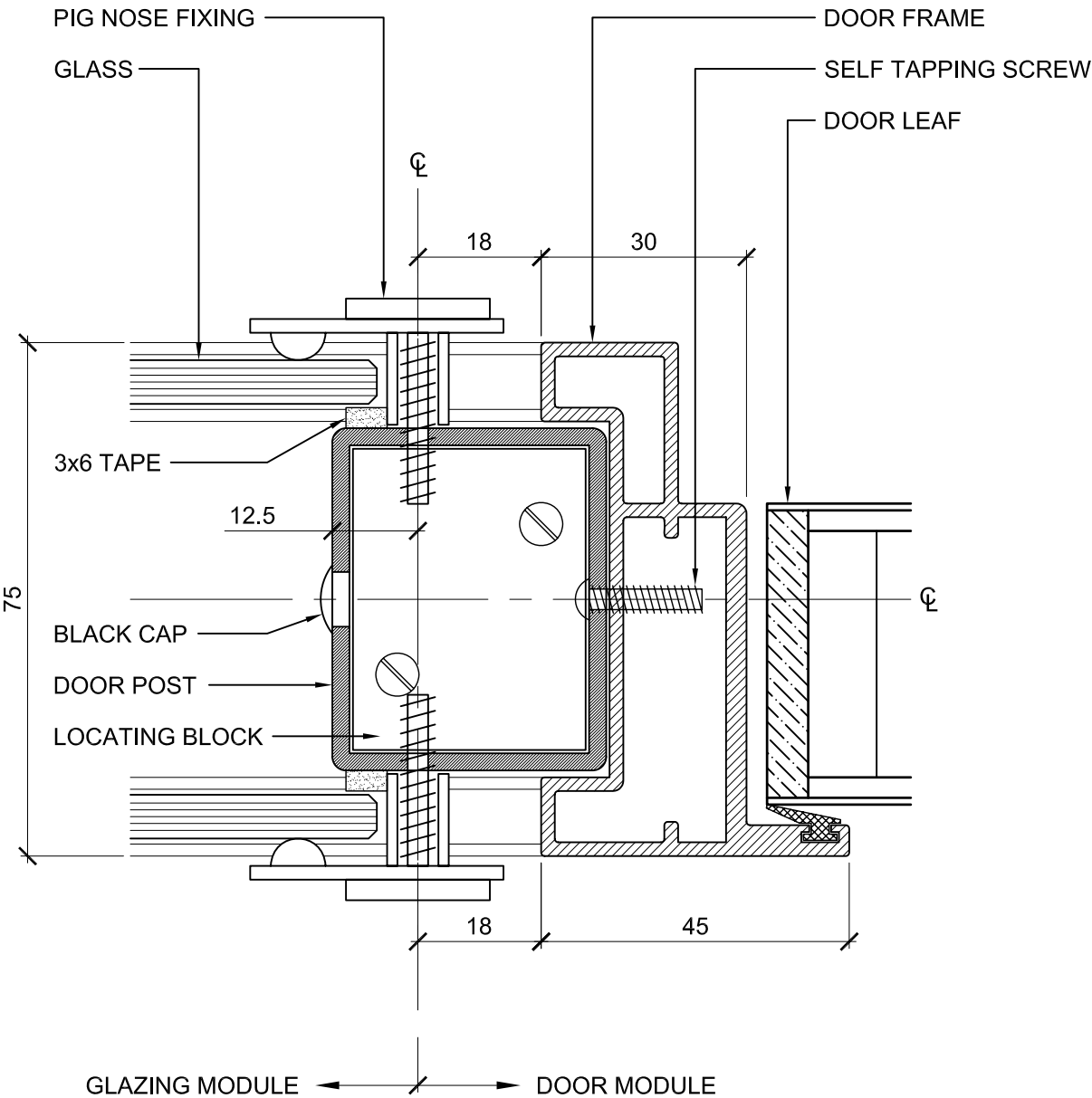


MATERIALS SCHEDULE		
REF	SIZE	DESCRIPTION
ITT 122	50mm x 35mm	HEAD TRACK PAINTED RAL 9007
	3m LENGTH	HEAD TRACK PACKER (EDGES PAINTED RAL 9007)
ITT 199	932mm x S.D	DOOR FRAME
	926mm x 44mm x HEIGHT	DOOR LEAF
A143315 BK	15mm x 3mm	15x3 TAPE SINGLE SIDED
5469140 BK	40mm x 1mm	40x1 TAPE DOUBLE SIDED
15029	3.5mm x 25mm	25mm SELF DRILLING SCREW

Door Frame

Scale 1:1

Esswall Mechanical Fixing

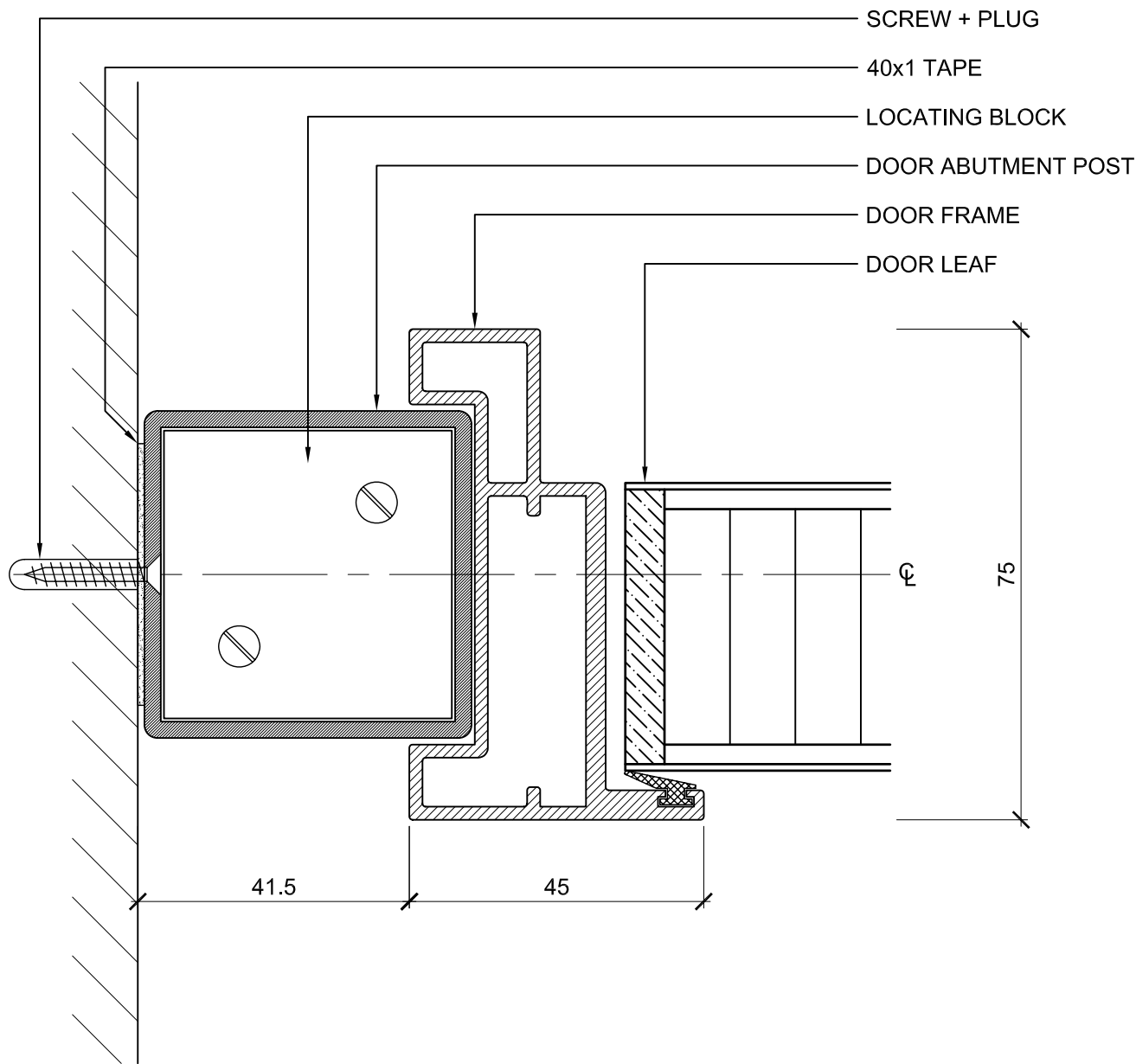


MATERIALS SCHEDULE		
REF	SIZE	DESCRIPTION
DOOR POST	40mm x 50mm	DOOR POST (DRILLED & TAPPED TO RECIEVE MECHANICAL FIXING)
ITT 199	932mm x S.D	DOOR FRAME
	926mm x 44mm x HEIGHT	DOOR LEAF
PIG NOSE		MECHANICAL FIXING (SINGLE SIDED)
6.8mm LAMINATE	SITE DIMENSIONS	6.8mm LAMINATED GLASS
		LOCATING BLOCK (MDF)
		BLACK CAP
A14736 BK	6mm x 3mm	6x3 TAPE SINGLE SIDED BLACK
15266	3.5mm x 16mm	SELF TAPPING SCREW PAN HEAD

Door Frame

Scale 1:1

Esswall Mechanical Fixing



MATERIALS SCHEDULE		
REF	SIZE	DESCRIPTION
DOOR ABUTMENT POST	50mm x 50mm	DOOR ABUTMENT POST (DRILLED & TAPPED TO RECIEVE MECHANICAL FIXING)
ITT 199	932mm x S,D	DOOR FRAME
	926mm x 44mm x HEIGHT	DOOR LEAF
		LOCATING BLOCK (MDF)
5469140 BK	40mm x 1mm	40x1 TAPE DOUBLE SIDED
24179 + 13140	SEE DESCRIPTION	SCREW + PLUG: 5mm x 70mm WOOD SCREW (24179) + 3.5-5mm PLASTIC EXPANSION PLUG (13140)

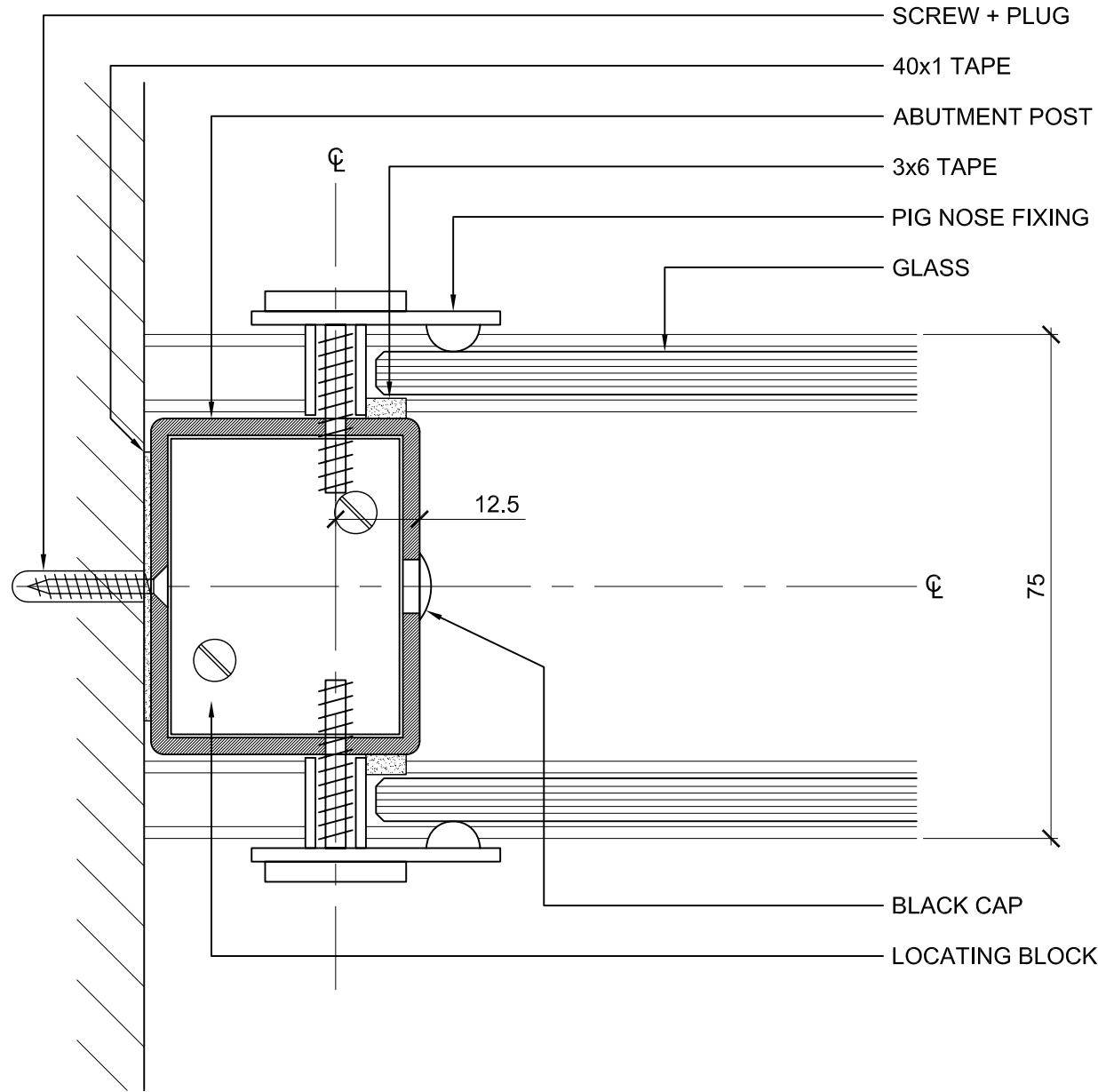


NOTE: THIS DETAIL IS USED FOR STRAIGHT/FLAT ABUTMENTS  
OR FOR SQUARE TOP SKIRTING UP TO 18mm THICK.  
FOR PROFILED ABUTMENTS & MOULDED SKIRTING  
SECTIONS REFER TO DETAIL ESS-ME-AB02

Abutment

Scale 1:1

Esswall Mechanical Fixing

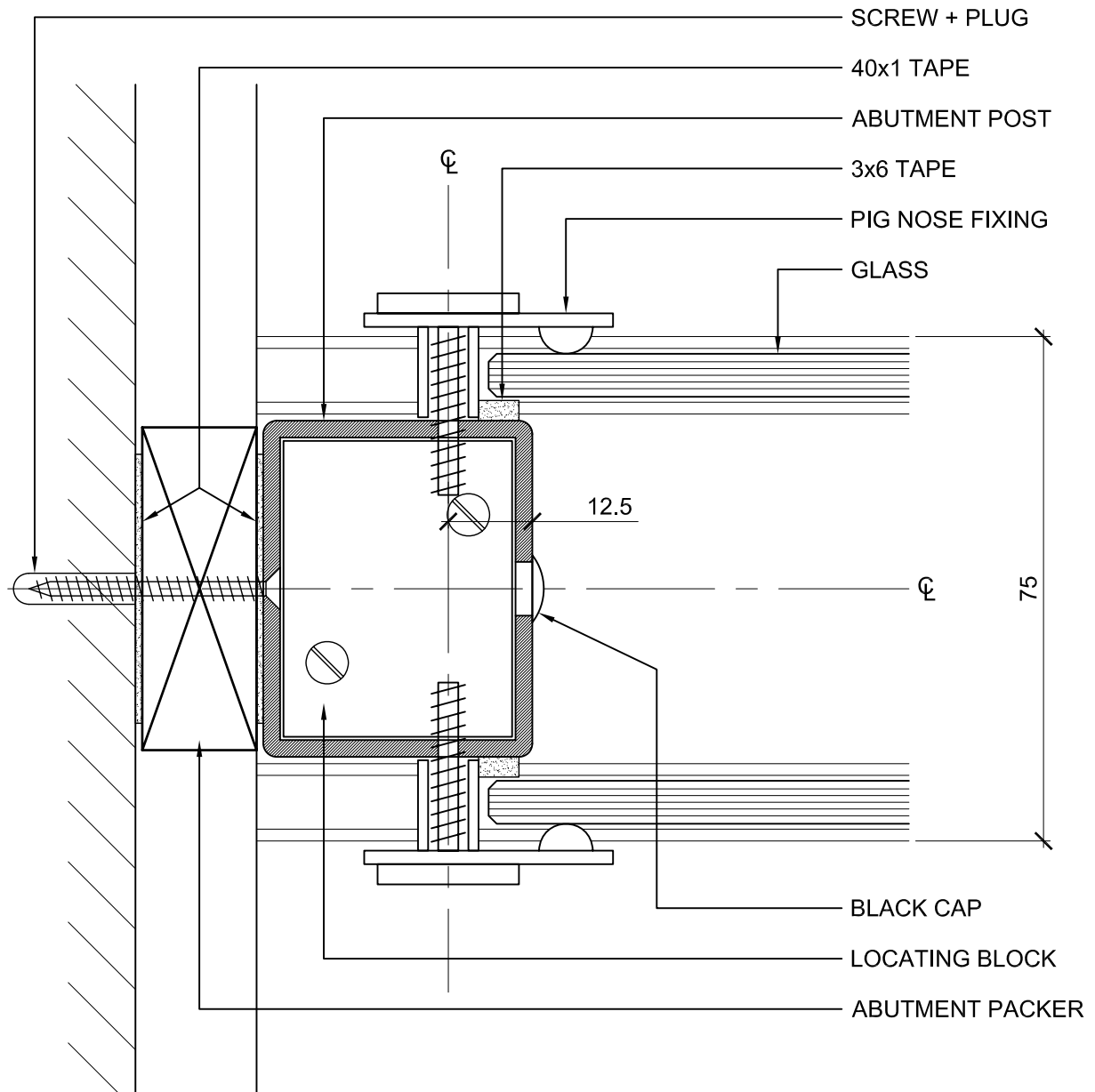


MATERIALS SCHEDULE		
REF	SIZE	DESCRIPTION
ABUTMENT POST	40mm x 50mm	ABUTMENT POST (DRILLED & TAPPED TO RECIEVE MECHANICAL FIXING)
PIG NOSE		MECHANICAL FIXING (SINGLE SIDED)
6.8mm LAMINATE	SITE DIMENSIONS	6.8mm LAMINATED GLASS
		LOCATING BLOCK (MDF)
		BLACK CAP
A14736 BK	6mm x 3mm	6x3 TAPE SINGLE SIDED BLACK
5469140 BK	40mm x 1mm	40x1 TAPE DOUBLE SIDED
24179 + 13140	SEE DESCRIPTION	SCREW + PLUG: 5mm x 70mm WOOD SCREW (24179) + 3.5-5mm PLASTIC EXPANSION PLUG (13140)

Abutment

Scale 1:1

## Esswall Mechanical Fixing

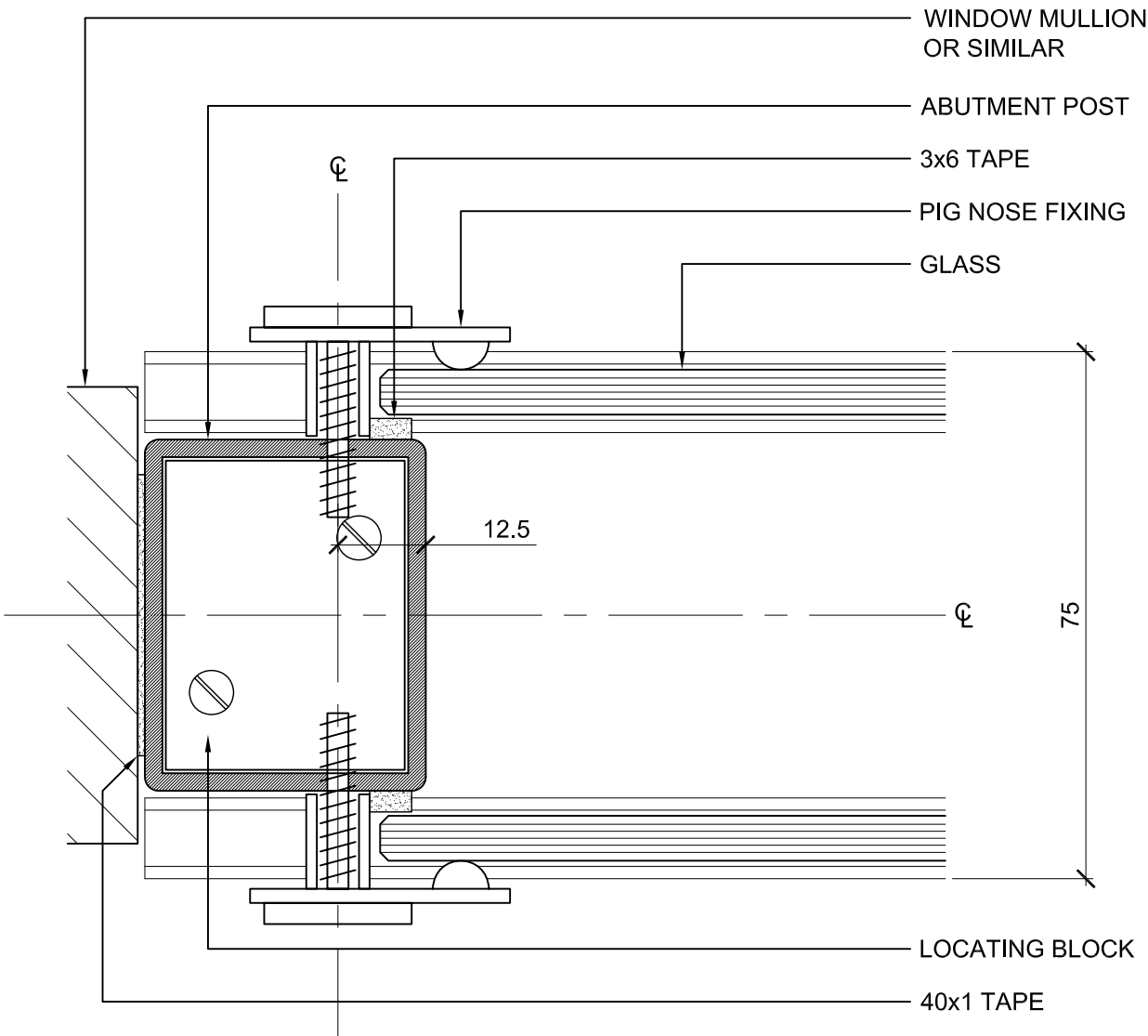


### MATERIALS SCHEDULE

REF	SIZE	DESCRIPTION
ABUTMENT POST	40mm x 50mm	ABUTMENT POST (DRILLED & TAPPED TO RECIEVE MECHANICAL FIXING)
PIG NOSE		MECHANICAL FIXING (SINGLE SIDED)
6.8mm LAMINATE	SITE DIMENSIONS	6.8mm LAMINATED GLASS
		LOCATING BLOCK (MDF)
		BLACK CAP
A14736 BK	6mm x 3mm	6x3 TAPE SINGLE SIDED BLACK
A1431.540 BK	40mm x 1mm	40x1 TAPE SINGLE SIDED
24179 + 13140	SEE DESCRIPTION	SCREW + PLUG: 5mm x 70mm WOOD SCREW (24179) + 3.5-5mm PLASTIC EXPANSION PLUG (13140)
ABUTMENT PACKER	48mm x SITE DIMENSION	MDF PACKER PAINTED RAL9010 TO SHORT EDGES

Abutment  
Scale 1:1

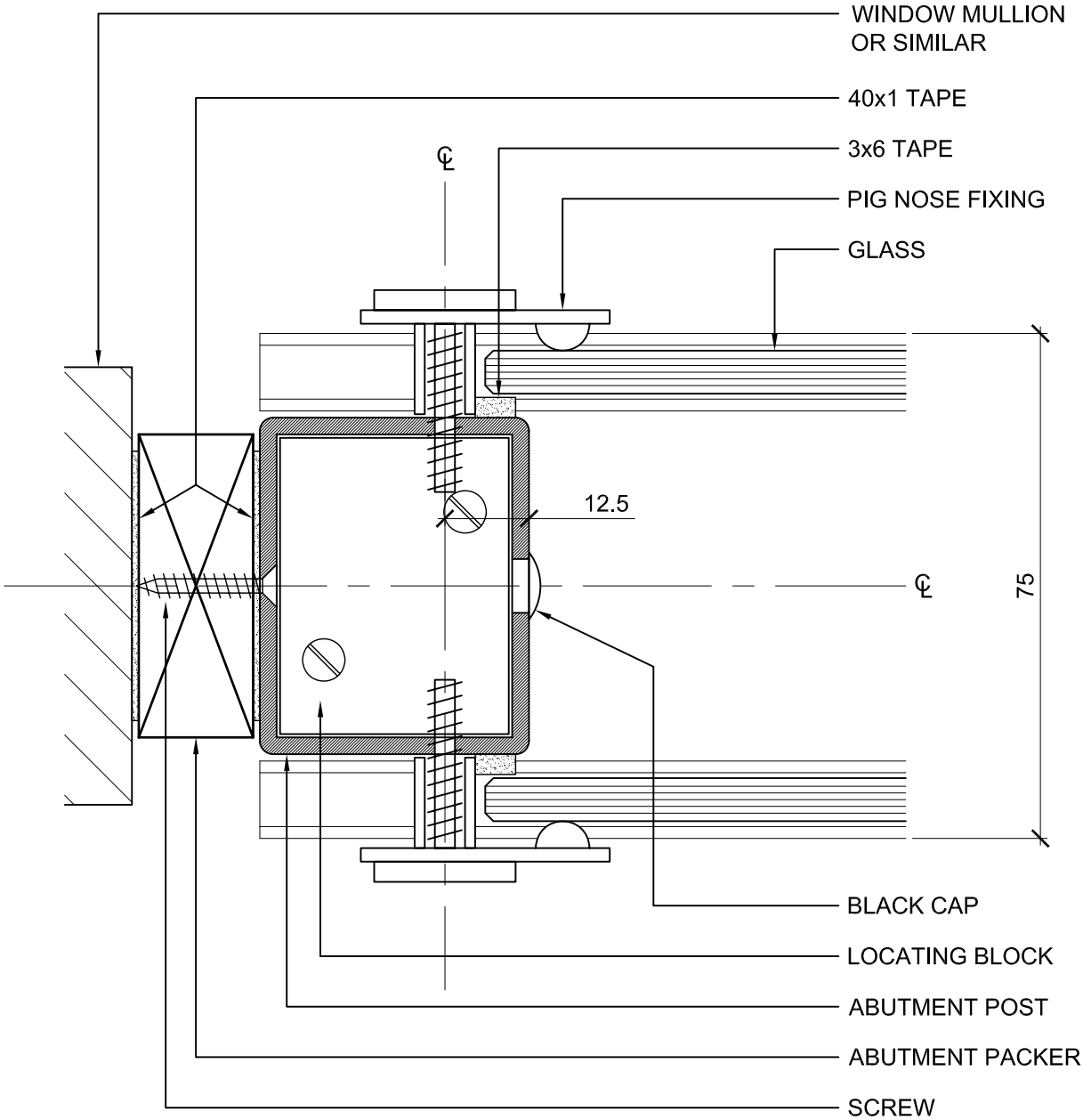
Esswall Mechanical Fixing



MATERIALS SCHEDULE		
REF	SIZE	DESCRIPTION
ABUTMENT POST	40mm x 50mm	ABUTMENT POST (DRILLED & TAPPED TO RECIEVE MECHANICAL FIXING)
PIG NOSE		MECHANICAL FIXING (SINGLE SIDED)
6.8mm LAMINATE	SITE DIMENSIONS	6.8mm LAMINATED GLASS
		LOCATING BLOCK (MDF)
A14736 BK	6mm x 3mm	6x3 TAPE SINGLE SIDED BLACK
5469140 BK	40mm x 1mm	40x1 TAPE DOUBLE SIDED

Abutment  
Scale 1:1

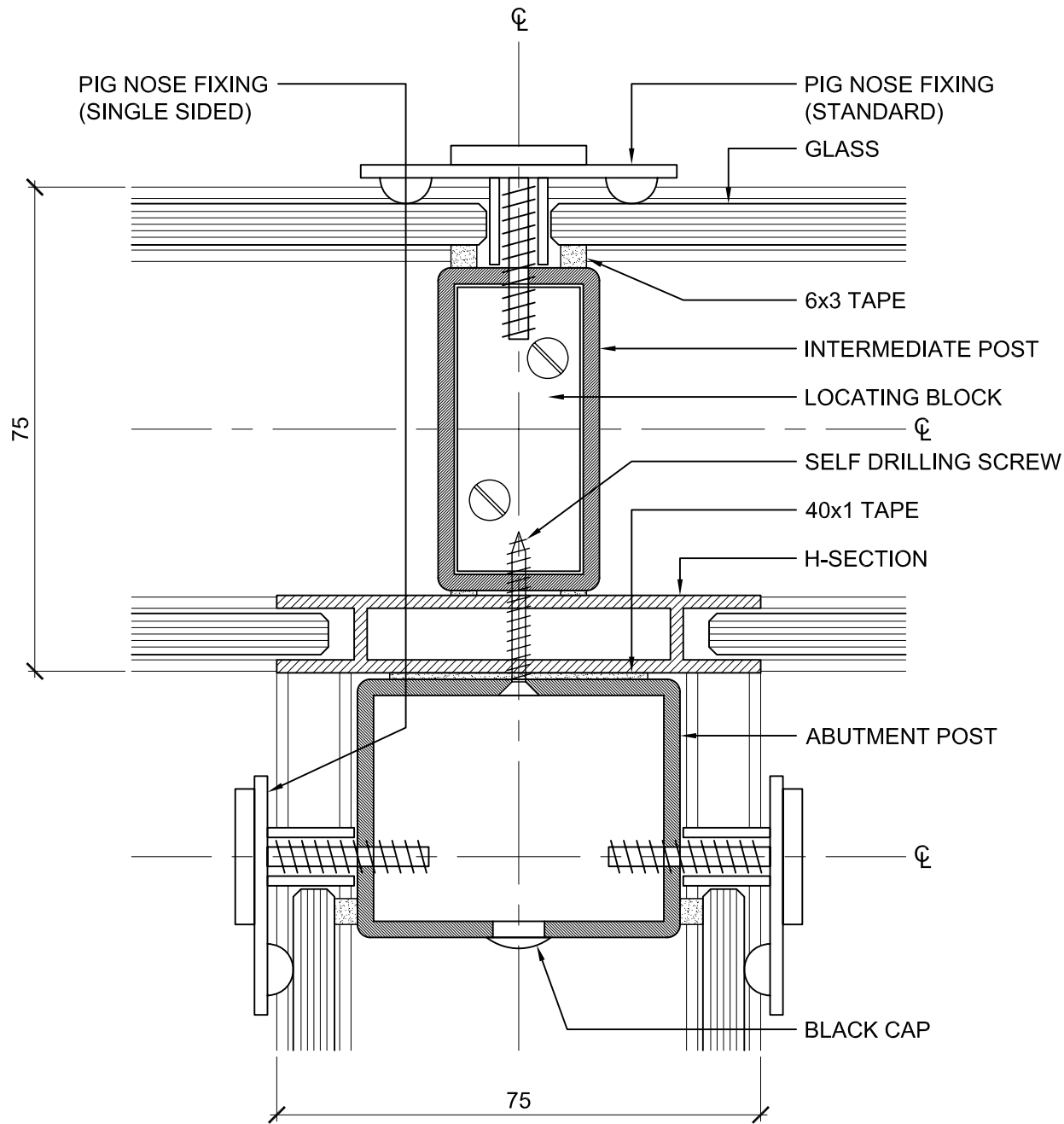
Esswall Mechanical Fixing



MATERIALS SCHEDULE		
REF	SIZE	DESCRIPTION
ABUTMENT POST	40mm x 50mm	ABUTMENT POST (DRILLED & TAPPED TO RECIEVE MECHANICAL FIXING)
PIG NOSE		MECHANICAL FIXING (SINGLE SIDED)
6.8mm LAMINATE	SITE DIMENSIONS	6.8mm LAMINATED GLASS
		LOCATING BLOCK (MDF)
		BLACK CAP
A14736 BK	6mm x 3mm	6x3 TAPE SINGLE SIDED BLACK
A1431.540 BK	40mm x 1mm	40x1 TAPE SINGLE SIDED
		SCREW (DETAILS TBC)
ABUTMENT PACKER	48mm x SITE DIMENSION	MDF PACKER PAINTED RAL9010 TO SHORT EDGES

Abutment  
Scale 1:1

Esswall Mechanical Fixing

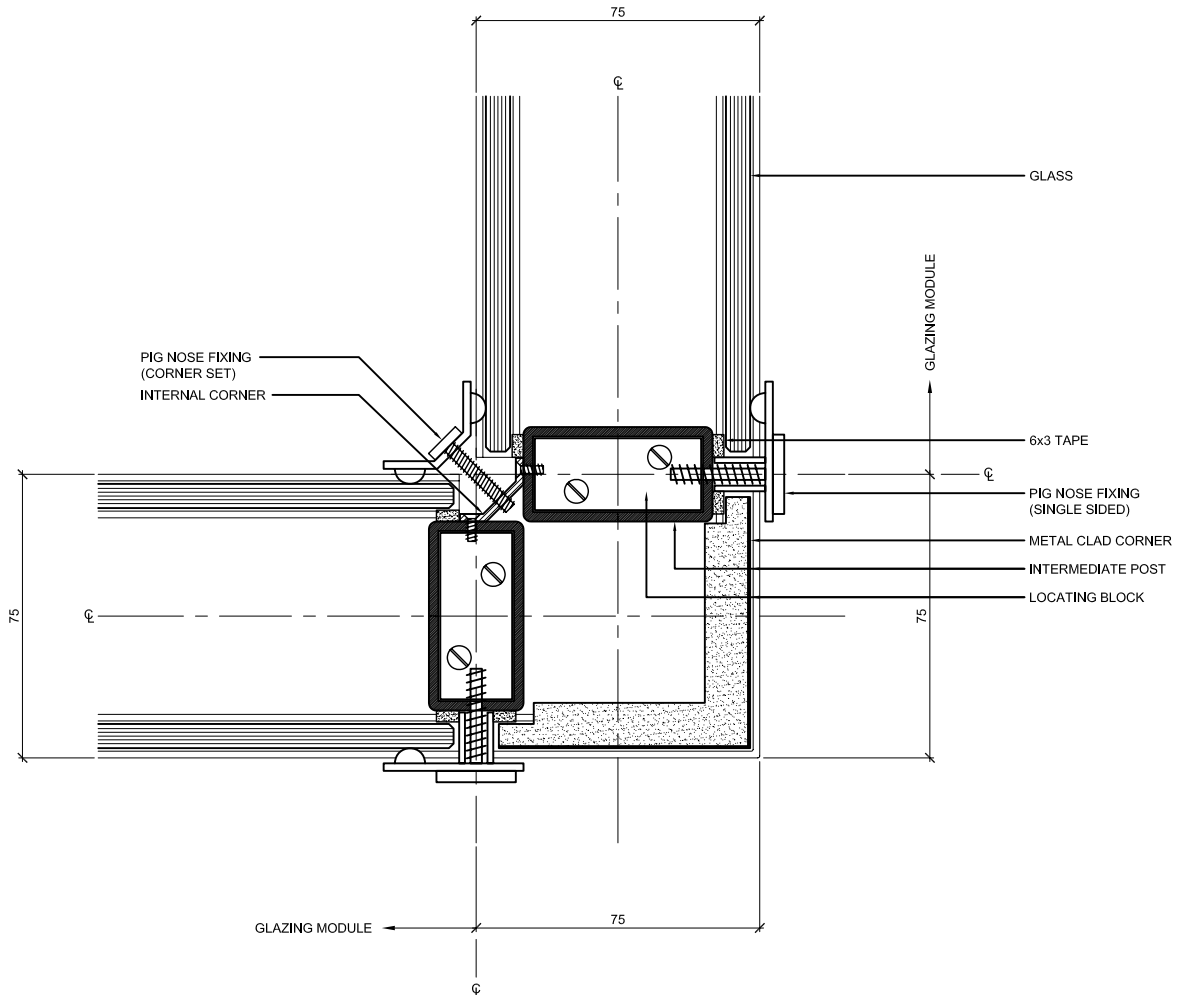


MATERIALS SCHEDULE		
REF	SIZE	DESCRIPTION
INTERMEDIATE POST	25mm x 50mm x HEIGHT	INTERMEDIATE POST (DRILLED & TAPPED TO RECIEVE MECHANICAL FIXING)
ABUTMENT POST	40mm x 50mm	ABUTMENT POST (DRILLED & TAPPED TO RECIEVE MECHANICAL FIXING)
3-6854	75mm x 11.5mm	H-SECTION ABUTMENT
PIG NOSE		MECHANICAL FIXING (SINGLE SIDED)
PIG NOSE		MECHANICAL FIXING (STANDARD)
		LOCATING BLOCK (MDF)
6.8mm LAMINATE	SITE DIMENSIONS	6.8mm LAMINATED GLASS
A14736 BK	6mm x 3mm	6x3 TAPE SINGLE SIDED BLACK
5469140 BK	40mm x 1mm	40x1 TAPE DOUBLE SIDED
15029	3.5mm x 25mm	25mm SELF DRILLING SCREW
		BLACK CAP

Corner

Scale 1:2

## Esswall Mechanical Fixing



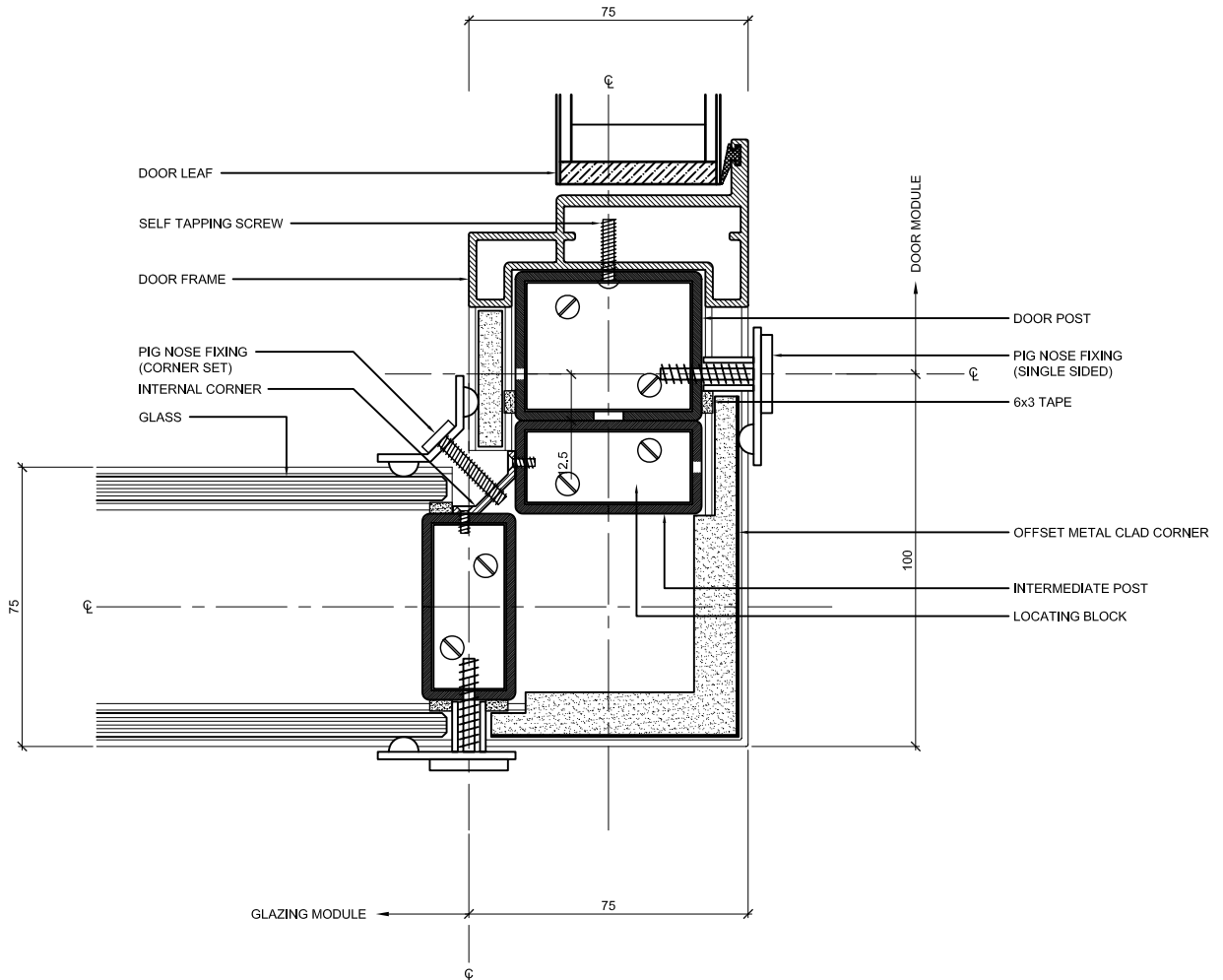
### MATERIALS SCHEDULE

REF	SIZE	DESCRIPTION
INTERMEDIATE POST	25mm x 50mm x HEIGHT	INTERMEDIATE POST (DRILLED & TAPPED TO RECIEVE MECHANICAL FIXING)
PIG NOSE (SINGLE SIDED)		MECHANICAL FIXING (SINGLE SIDED)
PIG NOSE (CORNER SET)		MECHANICAL FIXING (CORNER SET)
INTERNAL CORNER		INTERNAL CORNER
		LOCATING BLOCK (MDF)
6.8mm LAMINATE	SITE DIMENSIONS	6.8mm LAMINATED GLASS
A14736 BK	6mm x 3mm	6x3 TAPE SINGLE SIDED BLACK
METAL CLAD CORNER		METAL CLAD CORNER

Corner

Scale 1:2

## Esswall Mechanical Fixing



### MATERIALS SCHEDULE

REF	SIZE	DESCRIPTION
INTERMEDIATE POST	25mm x 50mm x HEIGHT	INTERMEDIATE POST (DRILLED & TAPPED TO RECIEVE MECHANICAL FIXING)
PIG NOSE (SINGLE SIDED)		MECHANICAL FIXING (SINGLE SIDED)
PIG NOSE (CORNER SET)		MECHANICAL FIXING (CORNER SET)
INTERNAL CORNER		INTERNAL CORNER
		LOCATING BLOCK (MDF)
6.8mm LAMINATE	SITE DIMENSIONS	6.8mm LAMINATED GLASS
A14736 BK	6mm x 3mm	6x3 TAPE SINGLE SIDED BLACK
OFFSET METAL CLAD CORNER		OFFSET METAL CLAD CORNER
DOOR POST	40mm x 50mm	DOOR POST (DRILLED & TAPPED TO RECIEVE MECHANICAL FIXING)
ITT 199	932mm x S.D	DOOR FRAME
	926mm x 44mm x HEIGHT	DOOR LEAF
15266	3.5mm x 16mm	SELF TAPPING SCREW PAN HEAD