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STEEL FRAMING SYSTEM MANUAL

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Remagin Steel Framing (SFS)

INSTALLATION GUIDE

As part of our drive to deliver sustainable light gauge steel materials and energy efficient building, we have endeavoured to share best practise and provide a complete set of SFS standard details for use, primarily, by installers.

This guide presents best practise site checks to deliver optimum build quality for SFS non-loadbearing schemes.

The Guide is aimed to assist:

- Project Managers
- SFS Installers
- Site Managers
- Site Inspectors
- Trade Trainers

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Standard Details

CONTENTS

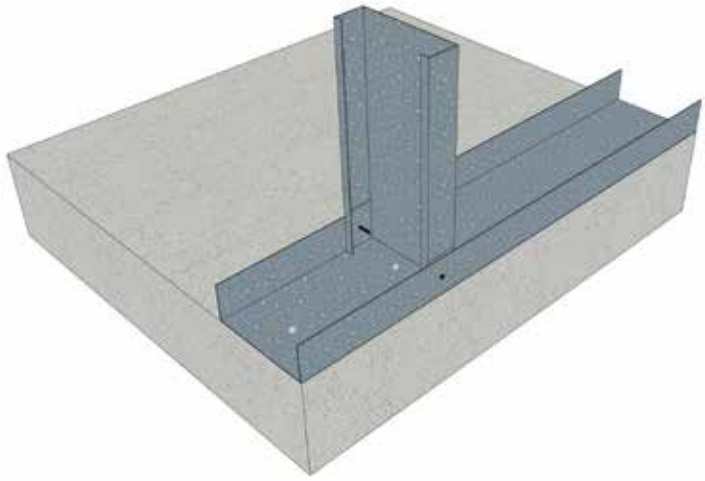
TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

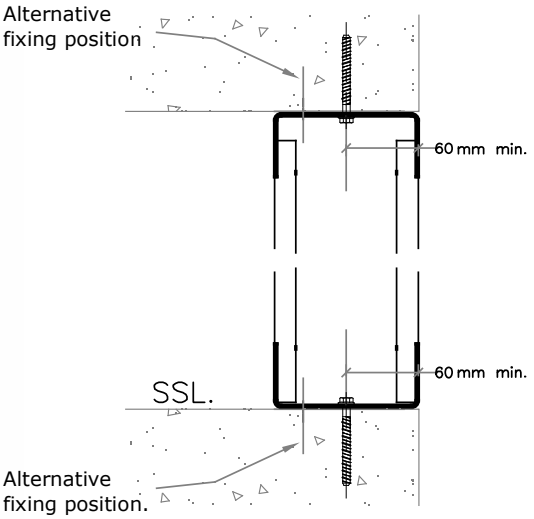
A4

NOTES

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

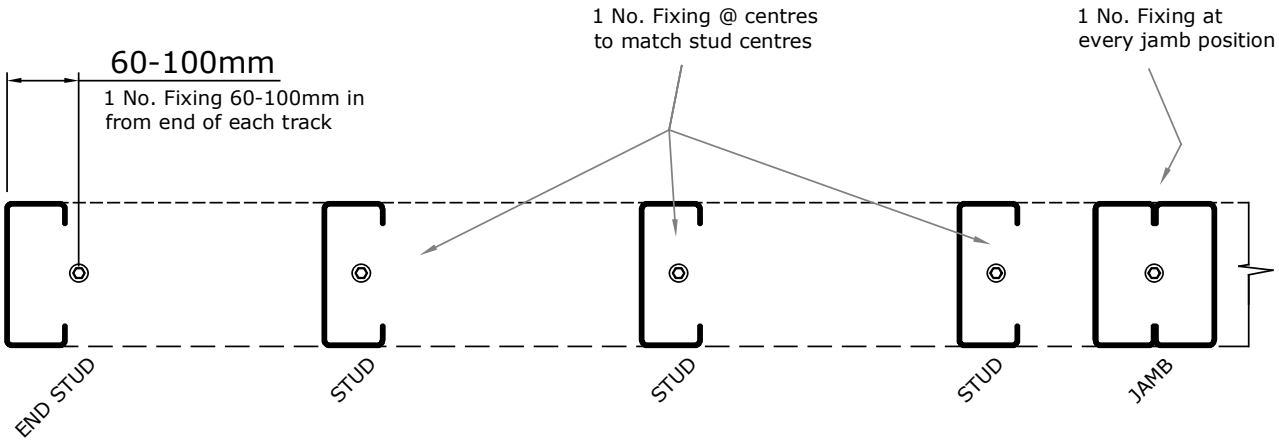
APPLICABLE TO BOTH HEAD & BASE TRACKS, INTO EITHER CONCRETE OR HOT ROLLED STEEL





TYPICAL SECTION

3D VIEW



PLAN

HEAD & BASE TRACKS

NOTES

1. Minimum fixing requirements to head and base tracks, U.N.O.
2. Installer to confirm line and level of track base prior to fixing and report deviations greater than +/- 15mm, or any overhangs exceeding the limits highlighted in detail 209
3. Each track length to have fixing between 60mm and 100mm from each end.
4. DPC to be included below base tracks if specified by Architect

Title: TYPICAL FIXING DETAIL FOR HEAD & BASE TRACKS (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: PK	Scale: NTS	Drawing No. 201	Revision: G	Approved By: AH/KB	Date: MAY 2022

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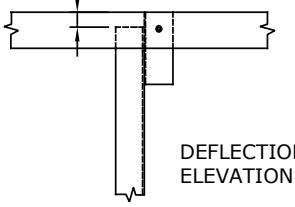
TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

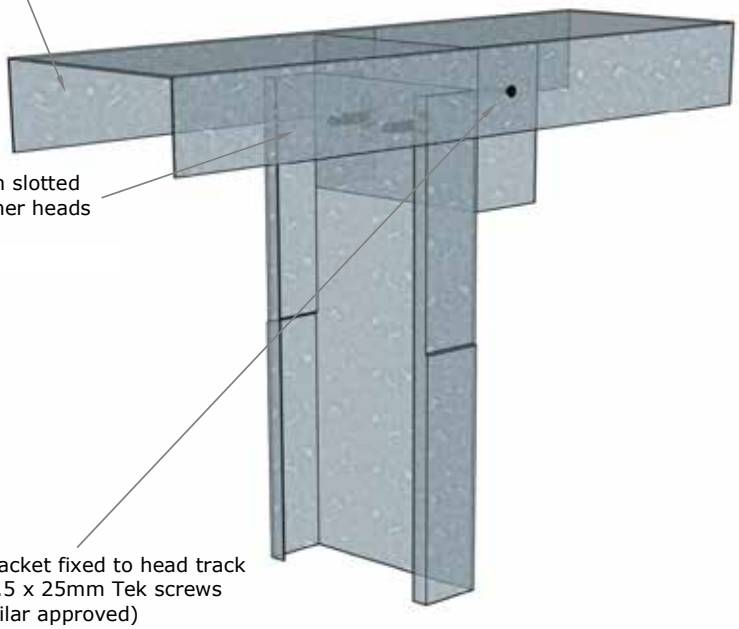
NOTES

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

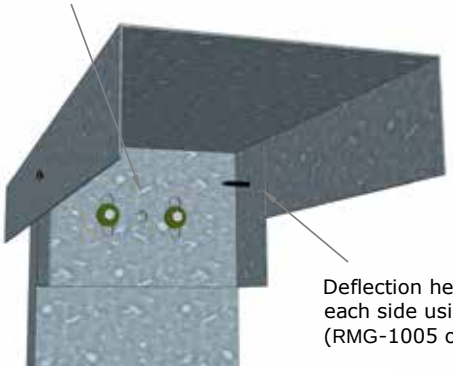


DEFLECTION HEAD
ELEVATION

Head track
(Fixing to suit structure)

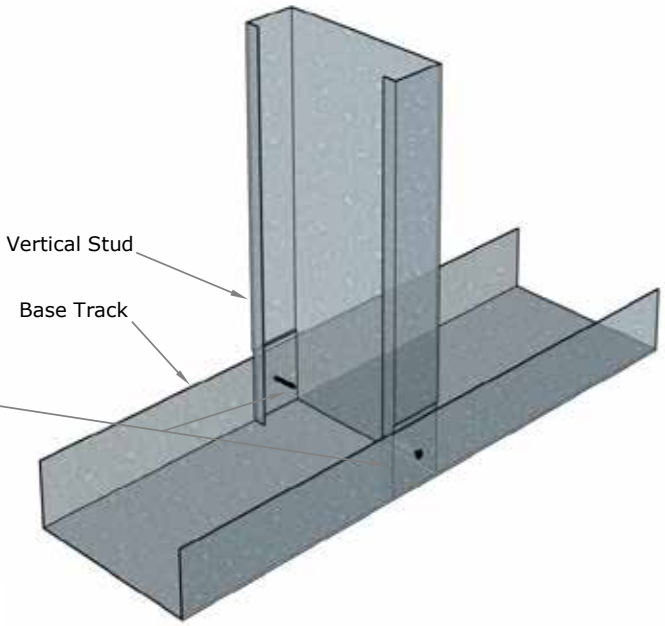


Deflection head bracket fixed to vertical stud through slotted holes using 2 No 6.3 x 25mm screws with large washer heads (RMG-1003 or similar approved).
Screws fixed central in slot to allow for movement.



Deflection head bracket fixed to head track each side using 5.5 x 25mm Tek screws (RMG-1005 or similar approved)

TYPICAL DEFLECTION HEAD



Base track fixed to vertical stud each side using 5.5 x 25mm Tek screws (RMG-1005 or similar approved)

TYPICAL STUD BASE FIXING

NOTE
1. Bracket length and slot size to suit required structural deflections

Title: TYPICAL STUD BASE FIXING & DEFLECTION HEAD BRACKET (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: TE	Scale: NTS	Drawing No. 204	Revision: F	Approved By: AH/KB	Date: MAY 2022

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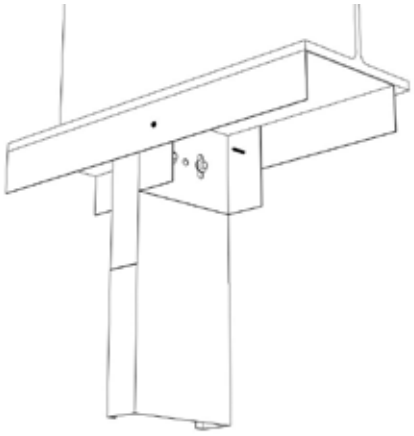
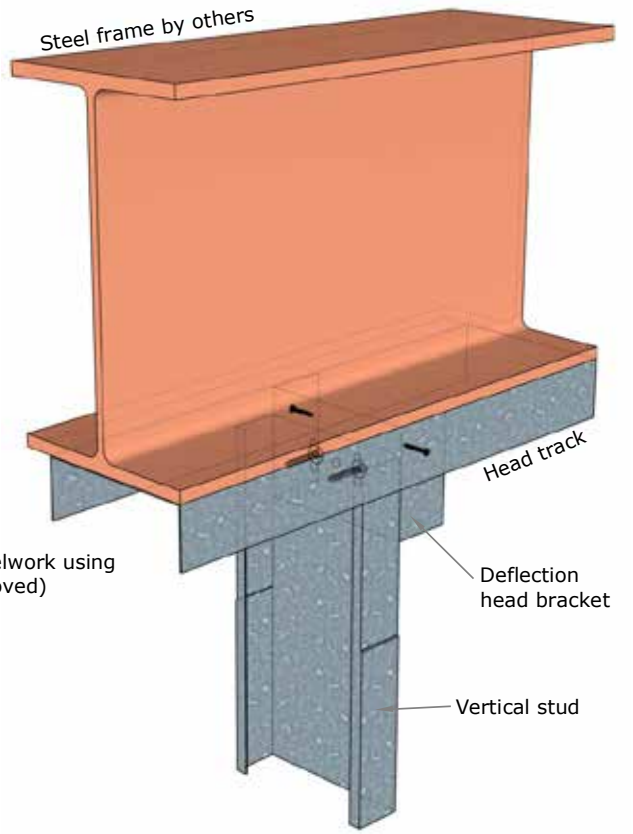
TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

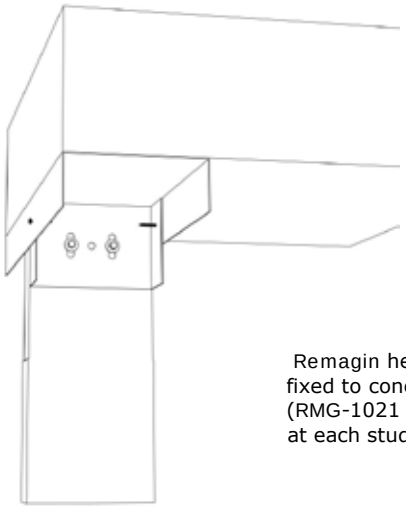
NOTES

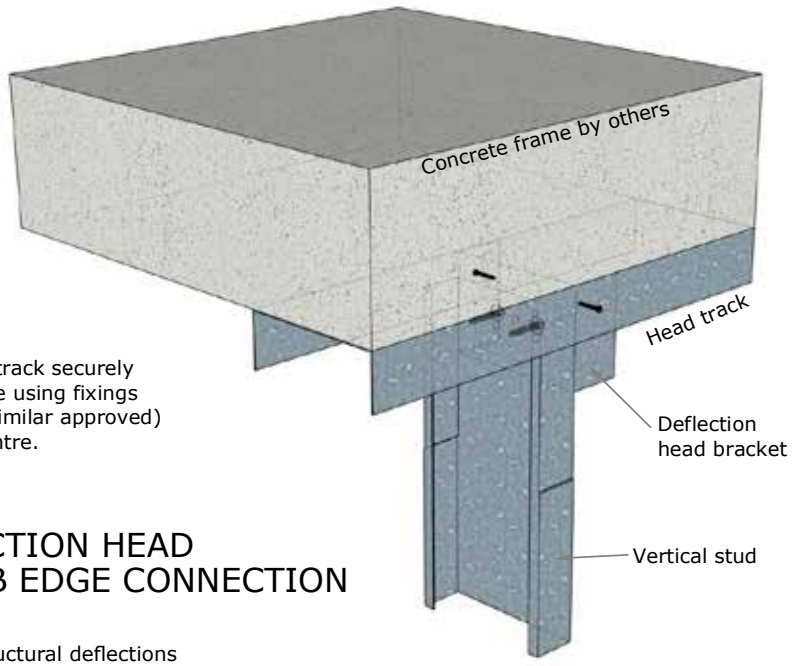




Remagin head track securely fixed to steelwork using HR tek screws (RMG-1020 or similar approved) at each stud centre.

TYPICAL DEFLECTION HEAD STEEL EDGE BEAM CONNECTION





Remagin head track securely fixed to concrete using fixings (RMG-1021 or similar approved) at each stud centre.

TYPICAL DEFLECTION HEAD CONCRETE SLAB EDGE CONNECTION

NOTE
1. Bracket length and slot size to suit required structural deflections

Title: TYPICAL HEAD TRACK FIXING DETAILS (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: PK	Scale: NTS	Drawing No. 205	Revision: F	Approved By: AH/KB	Date: MAY 2022

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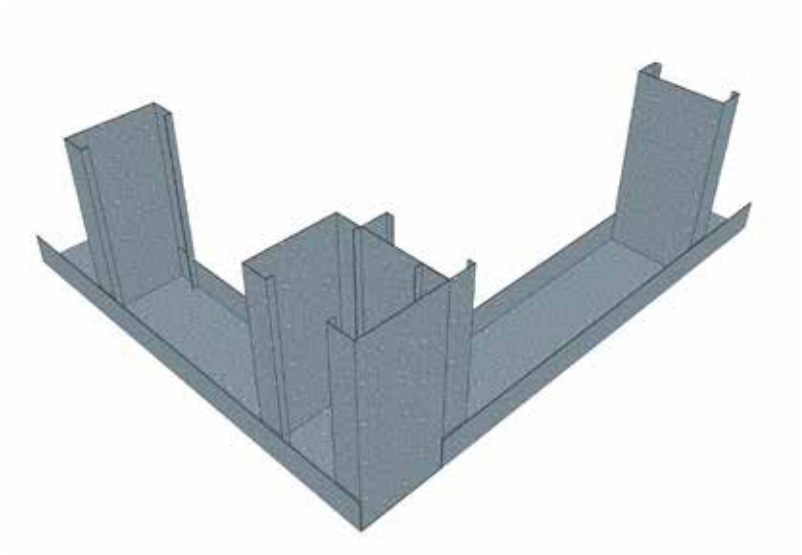
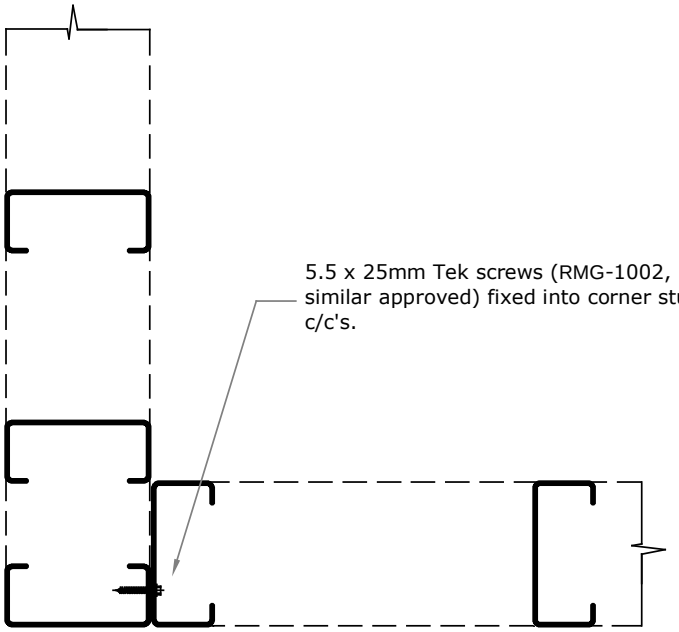
TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

NOTES



3D VIEW



PLAN

Title: TYPICAL STUD CORNER FIXING DETAIL (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: PK	Scale: NTS	Drawing No. 206	Revision: E	Approved By: AH/KB	Date: MAY 2022

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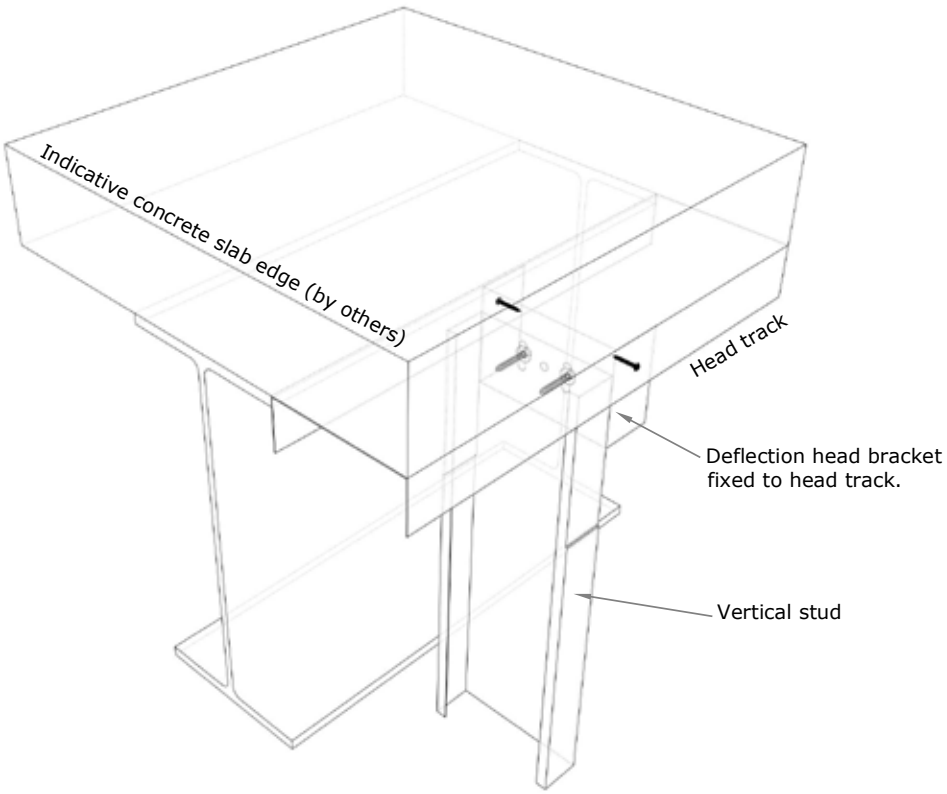
TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

NOTES

In locations where access is restricted, deflection head bracket fixed to head track prior to fixing head track to structure.



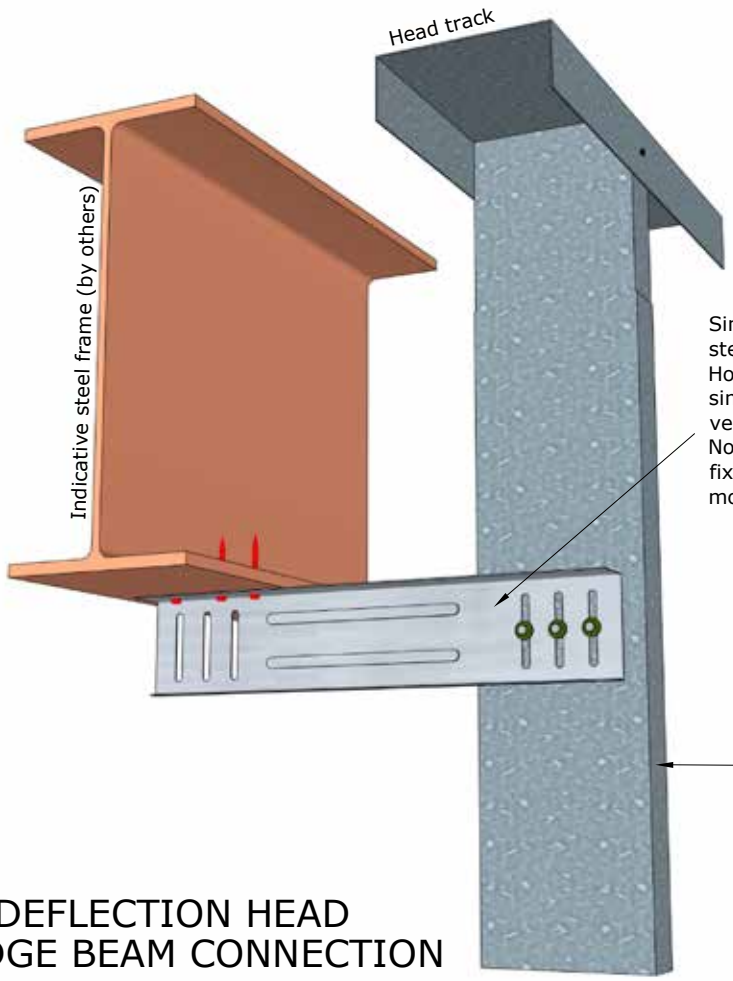
TYPICAL DEFLECTION HEAD RESTRICTED ACCESS

Title: TYPICAL HEAD TRACK FIXING DETAIL - RESTRICTED ACCESS (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■	remagin
Drawn By: TE	Scale: NTS	Drawing No. 207	Revision: C	Approved By: AH/KB	Date: MAY 2022	

TOLERANCES:
Construction tolerances between frames is -0mm +2mm. Frames are manufactured and assembled to +0mm -2mm.

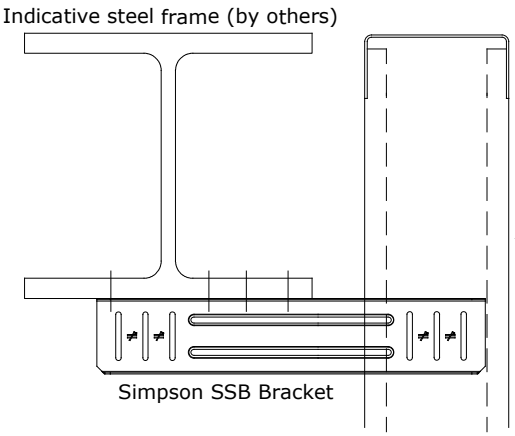
A4

NOTES



Simpson SSB bracket fixed to soffit of steelwork using min 3 No 5.5 x 25mm Hot Rolled Tek screws (RMG-1020 or similar approved) UNO and fixed to vertical stud through slotted holes using 3 No. fixings supplied in each hole. Screws fixed central in slot to allow +/- 25mm of movement.

TYPICAL DEFLECTION HEAD STEEL EDGE BEAM CONNECTION



Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

NOTE: Bracket suitability to be determined by Remagin Engineer subject to tech review and cladding loads

TYPICAL SECTION

Title:					STAGE:
TYPICAL HEAD TRACK FIXING DETAIL - TO STEEL EDGE BEAM (S & T)					Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By:	Scale:	Drawing No.	Revision:	Approved By:	Date:
TE	NTS	208	F	AH/KB	MAY 2022

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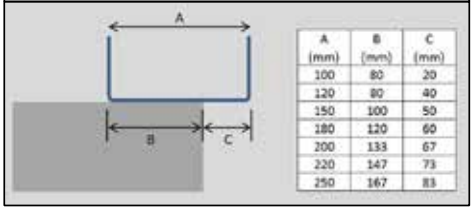
TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

NOTES

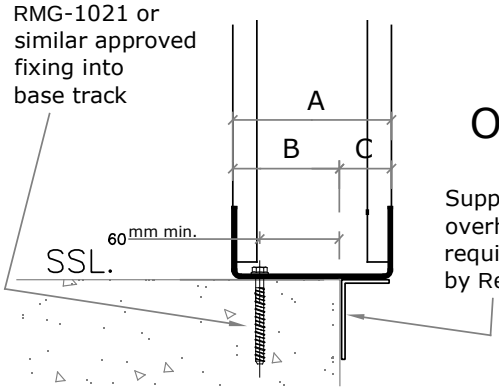
SCI GUIDANCE



A (mm)	B (mm)	C (mm)
100	80	20
120	80	40
150	100	50
180	120	60
200	133	67
220	147	73
250	167	83

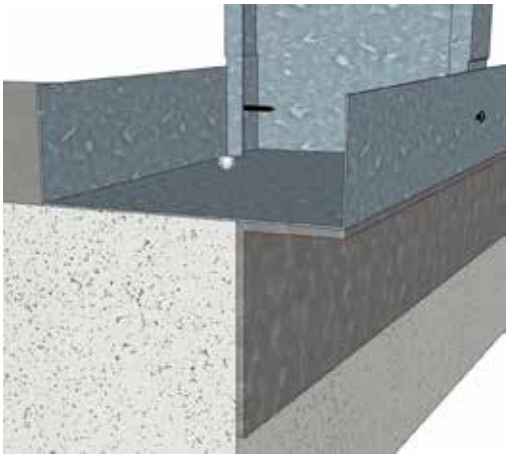
Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

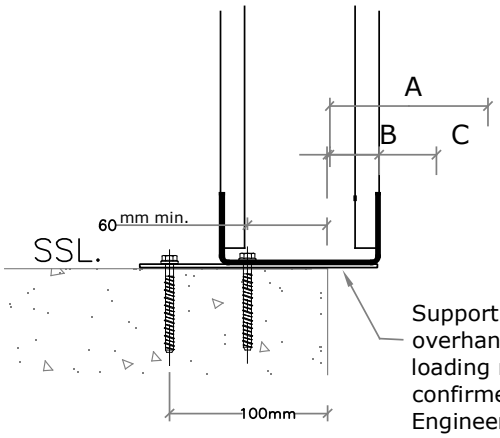
RMG-1021 or similar approved fixing into base track



OPTION 1

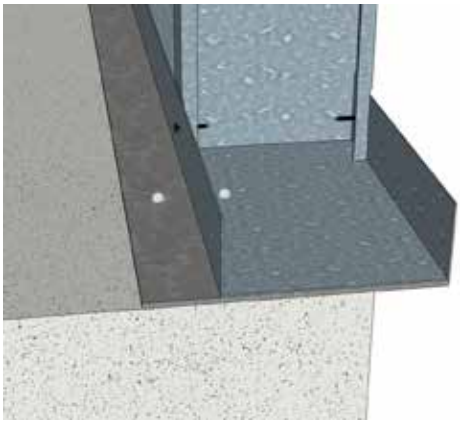
Support angle sized to suit overhang dimension & loading requirements to be confirmed by Remagin Engineer





OPTION 2

Support plate sized to suit overhang dimensions & loading requirements to be confirmed by Remagin Engineer



Title:					STAGE:
RESTRAINT OPTIONS FOR OVERHANGS TO TRACK WIDTH (S & T)					Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By:	Scale:	Drawing No.	Revision:	Approved By:	Date:
PK	NTS	209	E	AH/KB	MAY 2022

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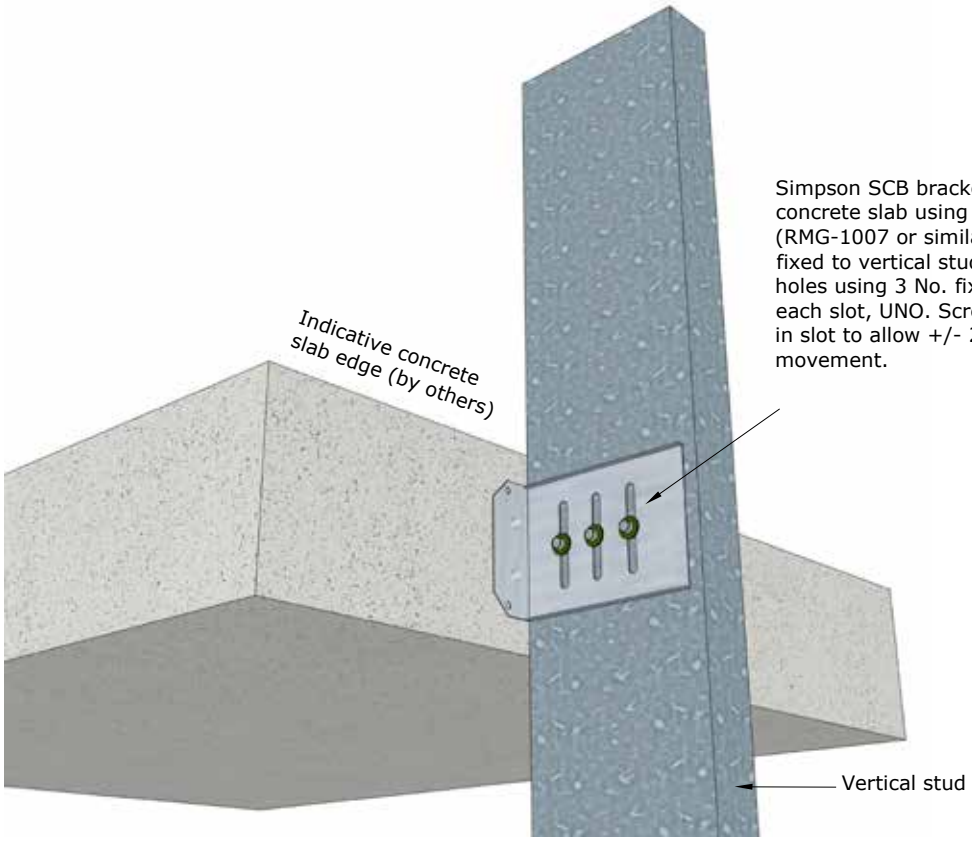
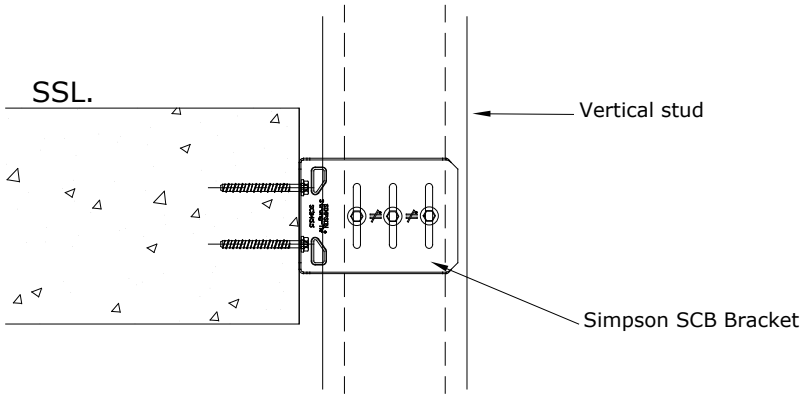
TOLERANCES:
Construction tolerances between frames is -0mm +2mm. Frames are manufactured and assembled to +0mm -2mm.

A4

NOTES



TYPICAL OVERSAIL STUD FIXING



TYPICAL SECTION

Title: TYPICAL OVERSAIL STUD FIXING DETAIL (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: TE	Scale: NTS	Drawing No. 210	Revision: D	Approved By: AH/KB	Date: MAY 2022

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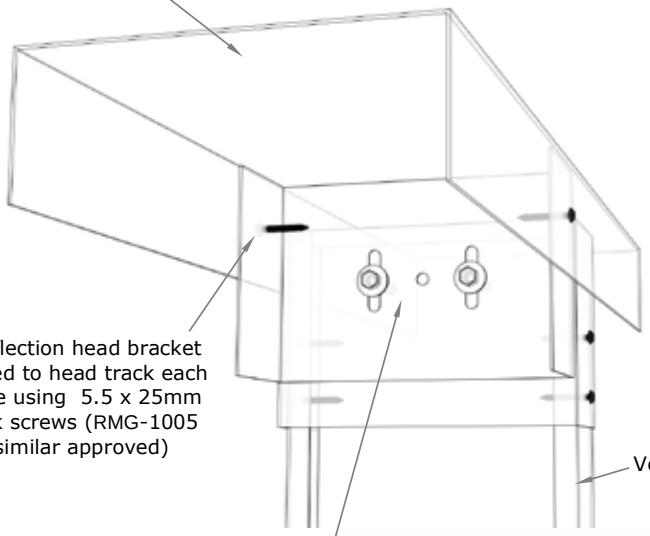
TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

NOTES

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

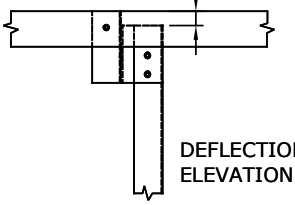
Head track
(Fixing to suit structure)



Deflection head bracket fixed to head track each side using 5.5 x 25mm Tek screws (RMG-1005 or similar approved)

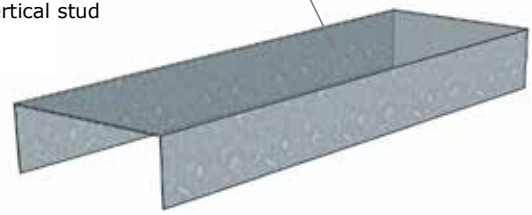
Vertical stud

DEFLECTION ALLOWANCE

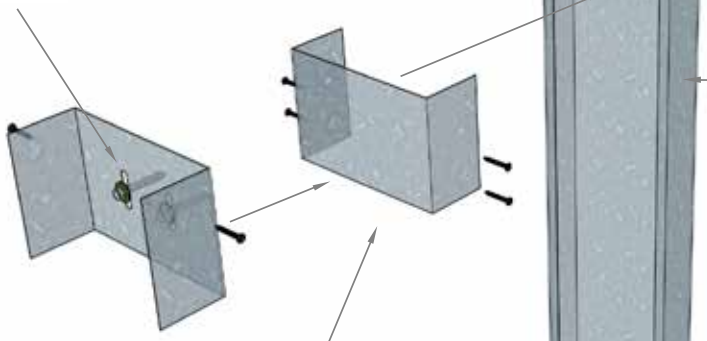


DEFLECTION HEAD ELEVATION

Head track
(Fixing to suit structure)



Deflection head bracket fixed to cloaking track piece through slotted holes using 2 No 6.3 x 25mm Tek screws with large washer heads (RMG-1003 or similar approved) Screws fixed central in slot to allow for movement.



Vertical stud

Cloaking track piece fixed to vertical stud each side using 5.5 x 25mm Tek screws (RMG-1005 or similar approved)

TYPICAL DEFLECTION HEAD WITH CLOAKED TRACK DETAIL

NOTE
1. Bracket length and slot size to suit required structural deflections

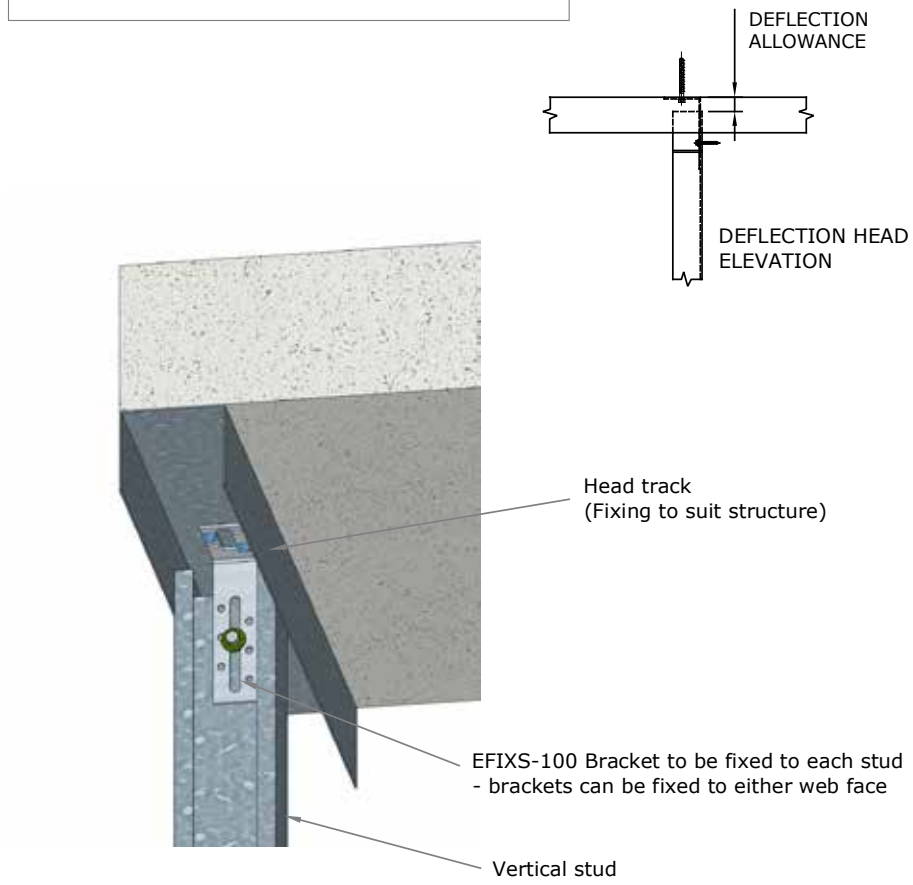
Title: TYPICAL DEFLECTION HEAD BRACKET WITH CLOAKED TRACK DETAIL (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■	remagin
Drawn By: TE	Scale: NTS	Drawing No. 211	Revision: F	Approved By: AH/KB	Date: MAY 2022	

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

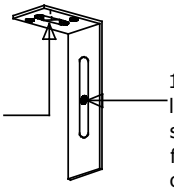
Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

NOTES



EFIXS100 DEFLECTION DETAIL

2 No. Titen fixing (RMG-1007 or similar approved) in slot to fix bracket into concrete slab - head track to be pre-drilled prior to fixing in place



1 No. 6.3 x 25mm Tek screw with large washer head (RMG-1003 or similar) to fix bracket into cold formed steel. Fixings located centrally in slot.

EFIXS100 FIXING DETAIL

Title: TYPICAL DEFLECTION HEAD FIXING DETAIL FOR 65mm STUDS (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: PK	Scale: NTS	Drawing No. 212	Revision: F	Approved By: AH/KB	Date: MAY 2022

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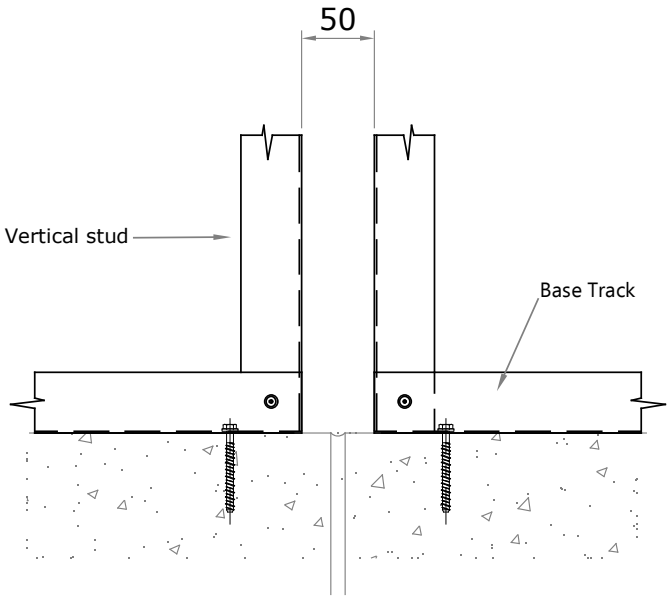
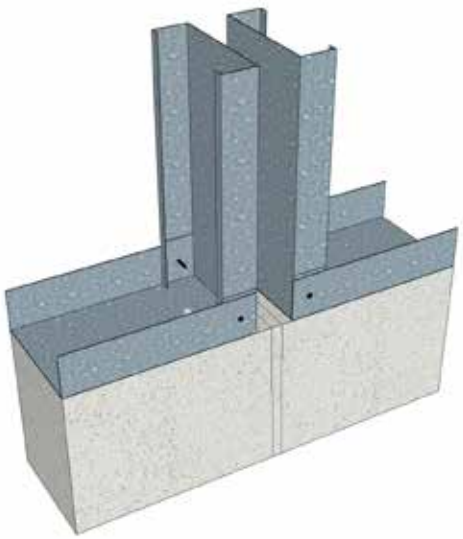
TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

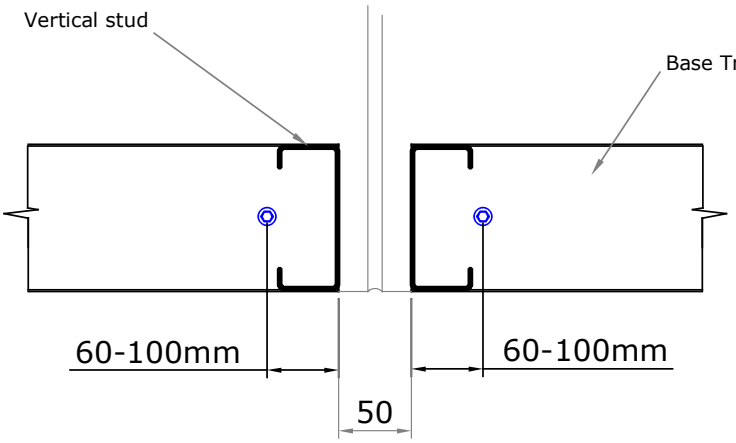
Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible



ELEVATION



3D VIEW



PLAN

NOTE:- HEAD & BASE TRACKS TO BE SPLIT EITHER SIDE OF THE MOVEMENT JOINT - EACH TRACK SECTION TO BE FIXED 60-100mm FROM THE END OF THE TRACK

Title: TYPICAL STRUCTURAL MOVEMENT JOINT DETAIL (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: PK	Scale: NTS	Drawing No. 213	Revision: C	Approved By: AH/KB	Date: MAY 2022

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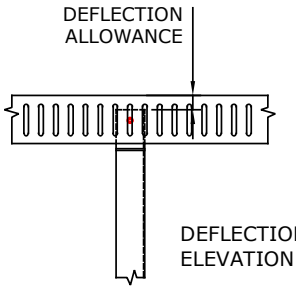
TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

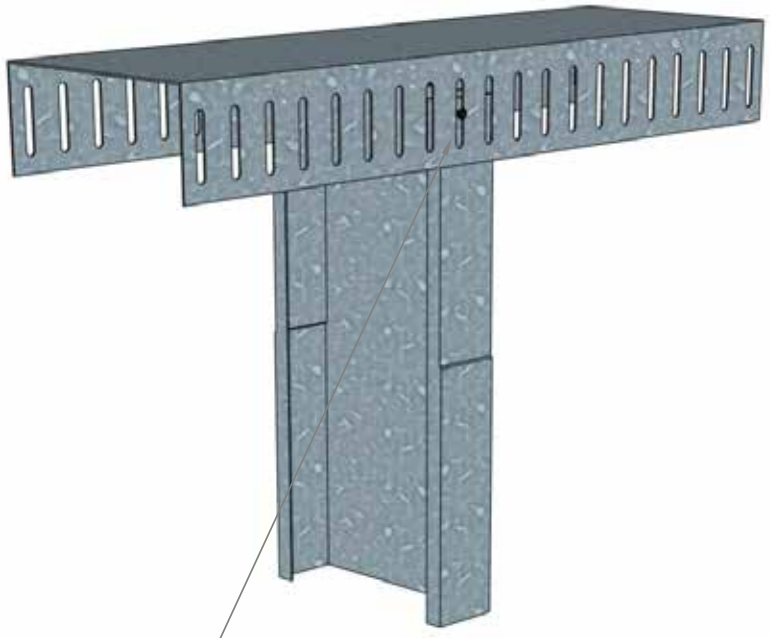
A4

NOTES

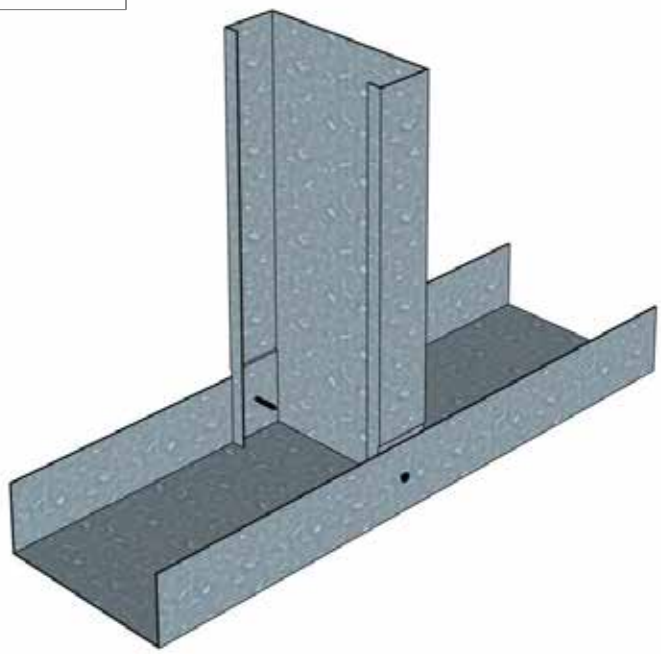
Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible



Deflection head track
(Fixing to suit structure see standard detail 215)



DHT for use with raking pitches up



Title: TYPICAL STUD BASE FIXING & DEFLECTION HEAD TRACK (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: PK	Scale: NTS	Drawing No. 214	Revision: D	Approved By: AH/KB	Date: MAY 2022

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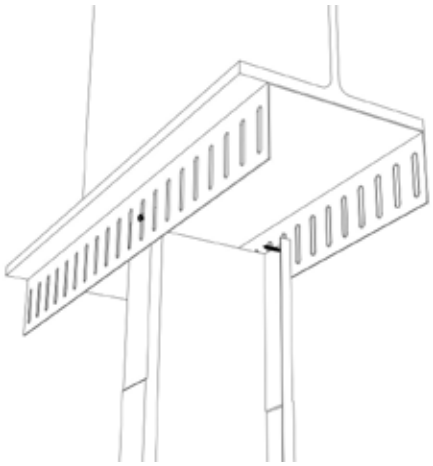
TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

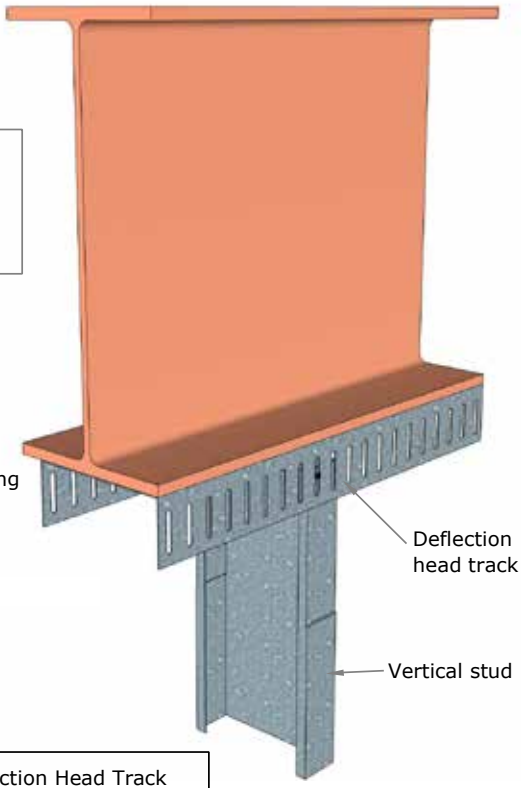
A4

NOTES

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible



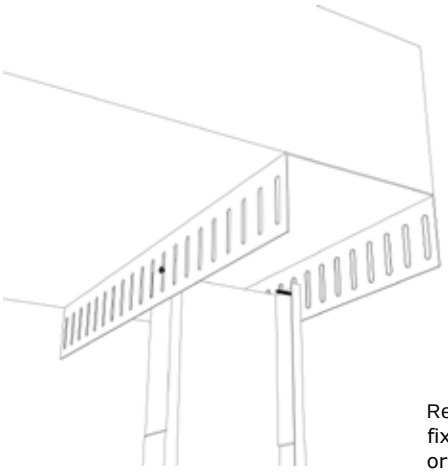
DHT for use with raking pitches up to 5 degrees. If pitch >5deg, use DHB

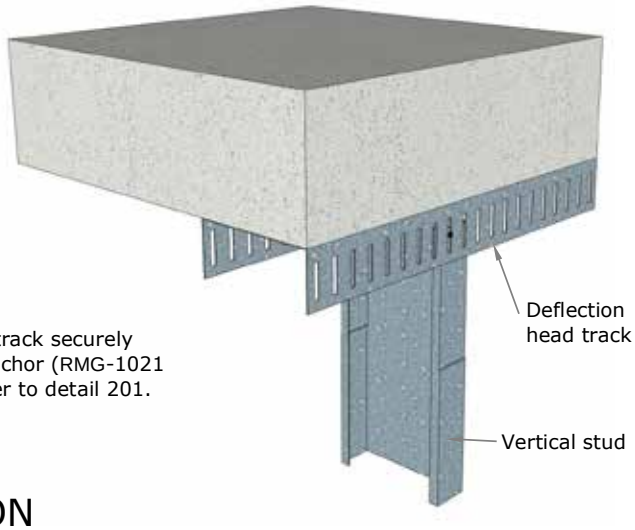


Remagin head track securely fixed to steelwork using HR tek screws (RMG-1020 or similar approved). Refer to detail 201. Alternatively, shot fired to steelwork, not supplied by Remagin.

TYPICAL DEFLECTION HEAD STEEL EDGE BEAM CONNECTION

Vertical stud fixed to Deflection Head Track through slotted holes using 2 No 5.5 x 25mm tek screws (RMG-1005 or similar approved). Screws fixed central in slot to allow +/- 25mm of movement





Remagin deflection head track securely fixed to concrete using anchor (RMG-1021 or similar approved). Refer to detail 201.

TYPICAL DEFLECTION HEAD CONCRETE SLAB EDGE CONNECTION

Title: TYPICAL DEFLECTION HEAD TRACK FIXING DETAILS (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: PK	Scale: NTS	Drawing No. 215	Revision: D	Approved By: AH/KB	Date: MAY 2022

remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

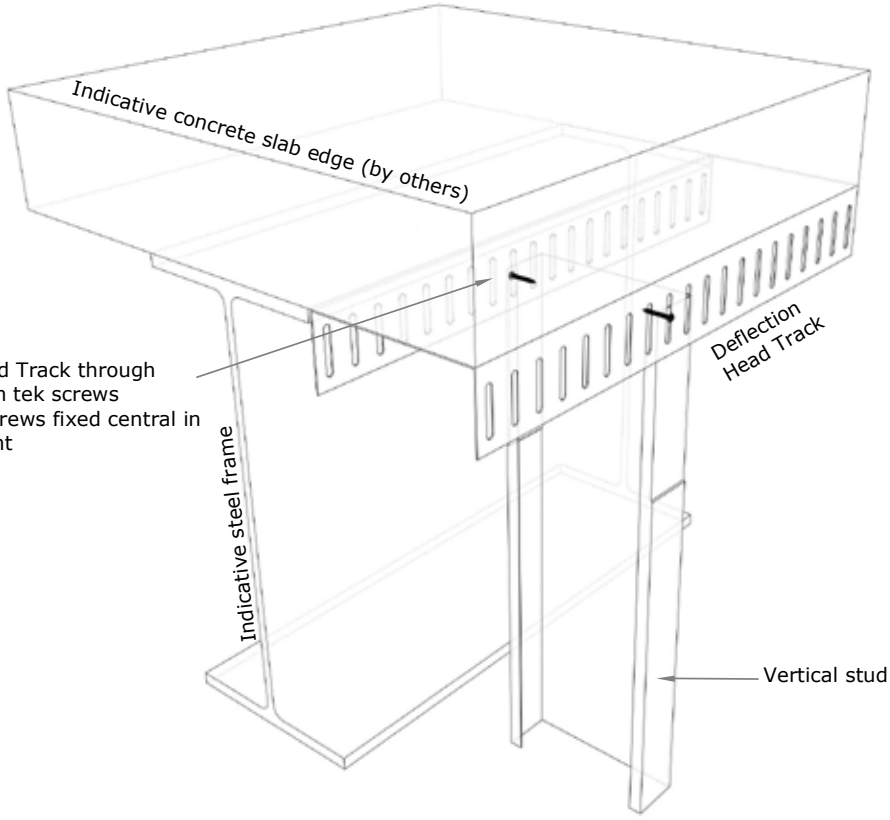
A4

NOTES

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

In locations where access is restricted and fixings cannot be installed to BOTH sides, please revert to the use of Deflection Head Brackets (Detail 207), or utilise oversail bracketry as per details details 208 & 210.

Please contact Remagin for guidance and advice.



Vertical stud fixed to Deflection Head Track through slotted holes using 2 No 5.5 x 25mm tek screws (RMG-1005 or similar approved). Screws fixed central in slot to allow +/- 15mm of movement

DHT for use with raking pitches up to 5 degrees.
If pitch >5deg, use DHB

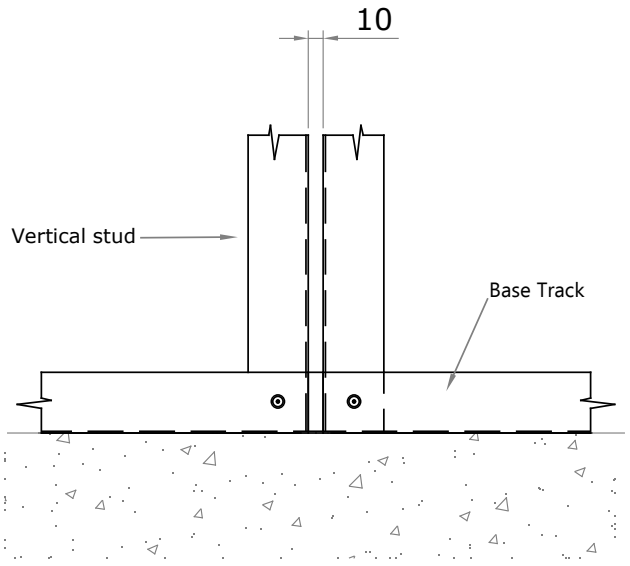
Title: TYPICAL HEAD TRACK FIXING DETAIL - RESTRICTED ACCESS (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: PK	Scale: NTS	Drawing No. 216	Revision: D	Approved By: AH/KB	Date: MAY 2022

remagin

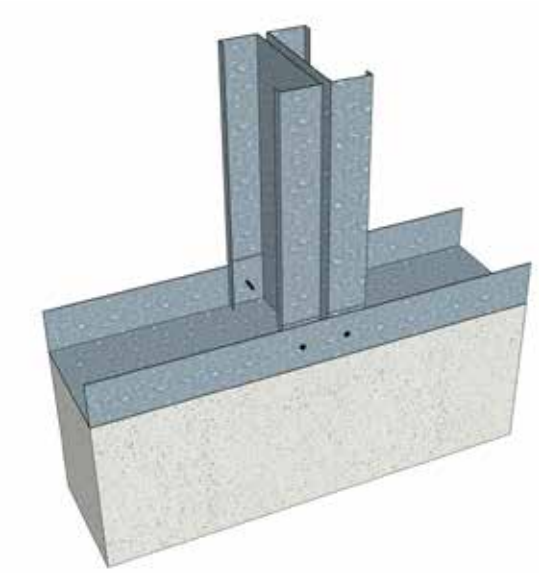
TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

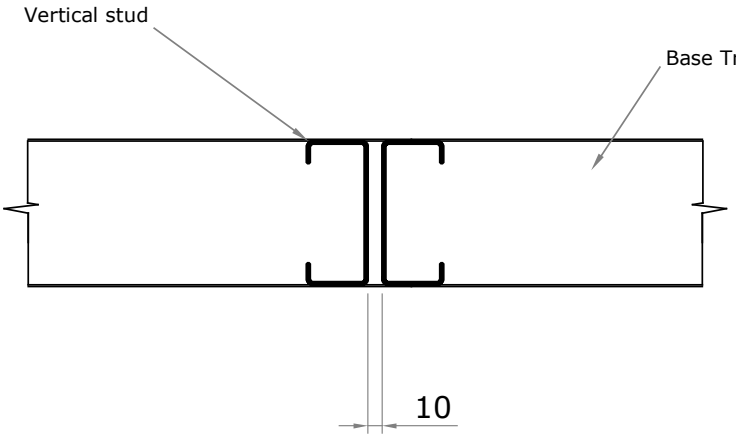
Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible



ELEVATION



3D VIEW



PLAN

NOTE:- 2 No. VERTICAL STUDS PROVIDED WITH NOMINAL 10mm GAP FOR BRICK TIE PROVISION AROUND CLADDING MOVEMENT JOINTS

Title:					
TYPICAL CLADDING MOVEMENT JOINT DETAIL (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By:	Scale:	Drawing No.	Revision:	Approved By:	Date:
TE	NTS	217	-	AH/KB	MAY 2022

remagin

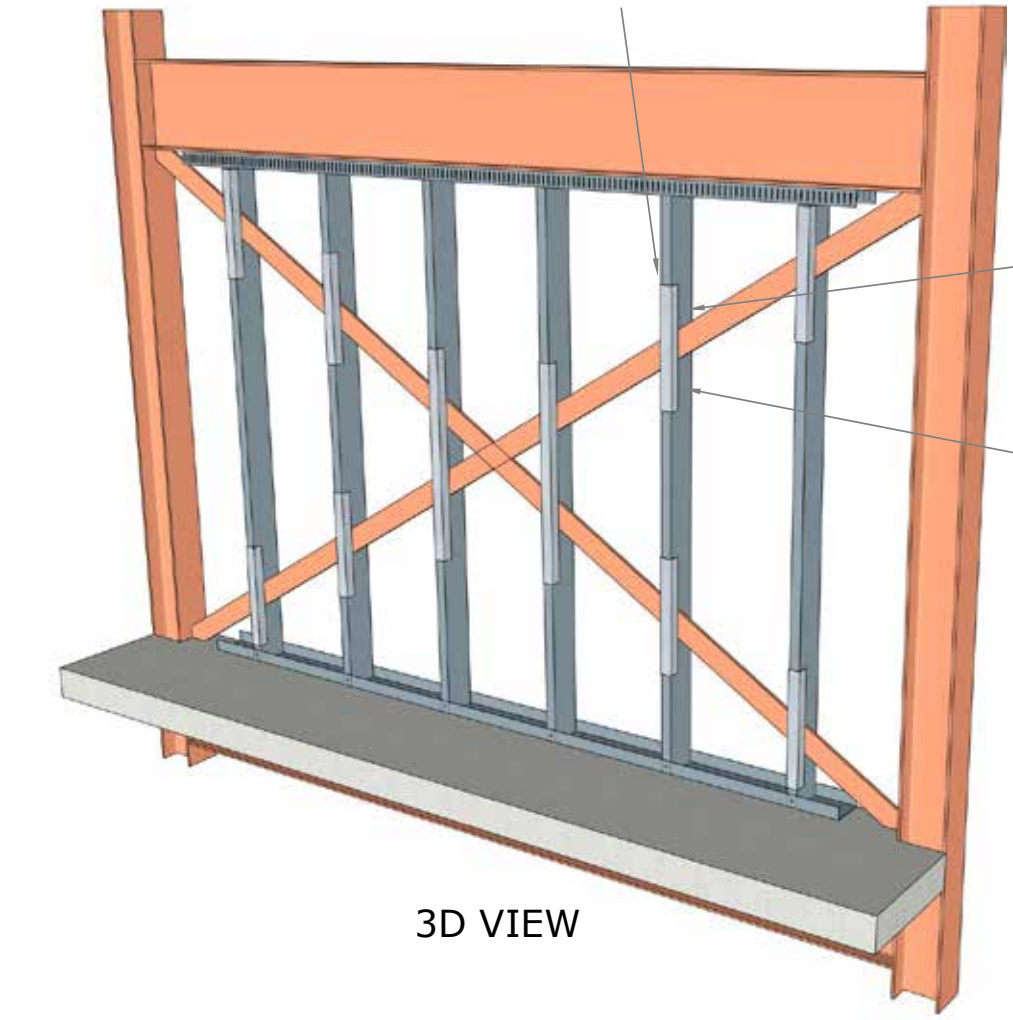
TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

NOTES

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

Full height studs notched around bracing and re-dressed with angle profile to re-instate basic stud profile.



10 No. 5.5 x 25mm Tek screws above notch connecting angle to stud.
- 5 No. to flange
- 5 No. to web

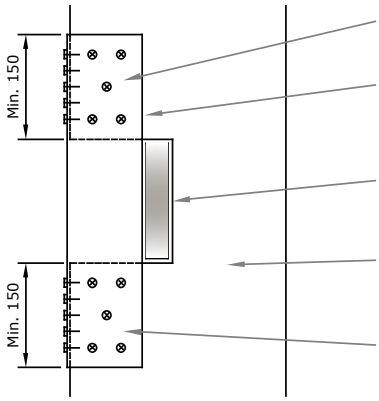
10 No. 5.5 x 25mm Tek screws below notch connecting angle to stud.
- 5 No. to flange
- 5 No. to web

IMPORTANT:

Angle to extend at least 150mm above and below notch

Angle must be sized to fully re-dress notched out steel.

3D VIEW



10 No. 5.5 x 25mm Tek Screws (5 No. to web, 5 No. to flange)

Angle to be sized by Remagin Design

Brace notched around

Stud

10 No. 5.5 x 25mm Tek Screws (5 No. to web, 5 No. to flange)

NOTE:- NATURE OF BRACING AVOIDANCE FRAMING SUBJECT TO BUILDING DESIGN. FIXING REQUIREMENTS SUBJECT TO REMAGIN ENGINEER SPECIFICATION

Title:					STAGE:
INDICATIVE BRACING AVOIDANCE METHOD - FLAT STRAP (S & T)					Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By:	Scale:	Drawing No.	Revision:	Approved By:	Date:
TE	NTS	218	A	AH/KB	MAY 2022

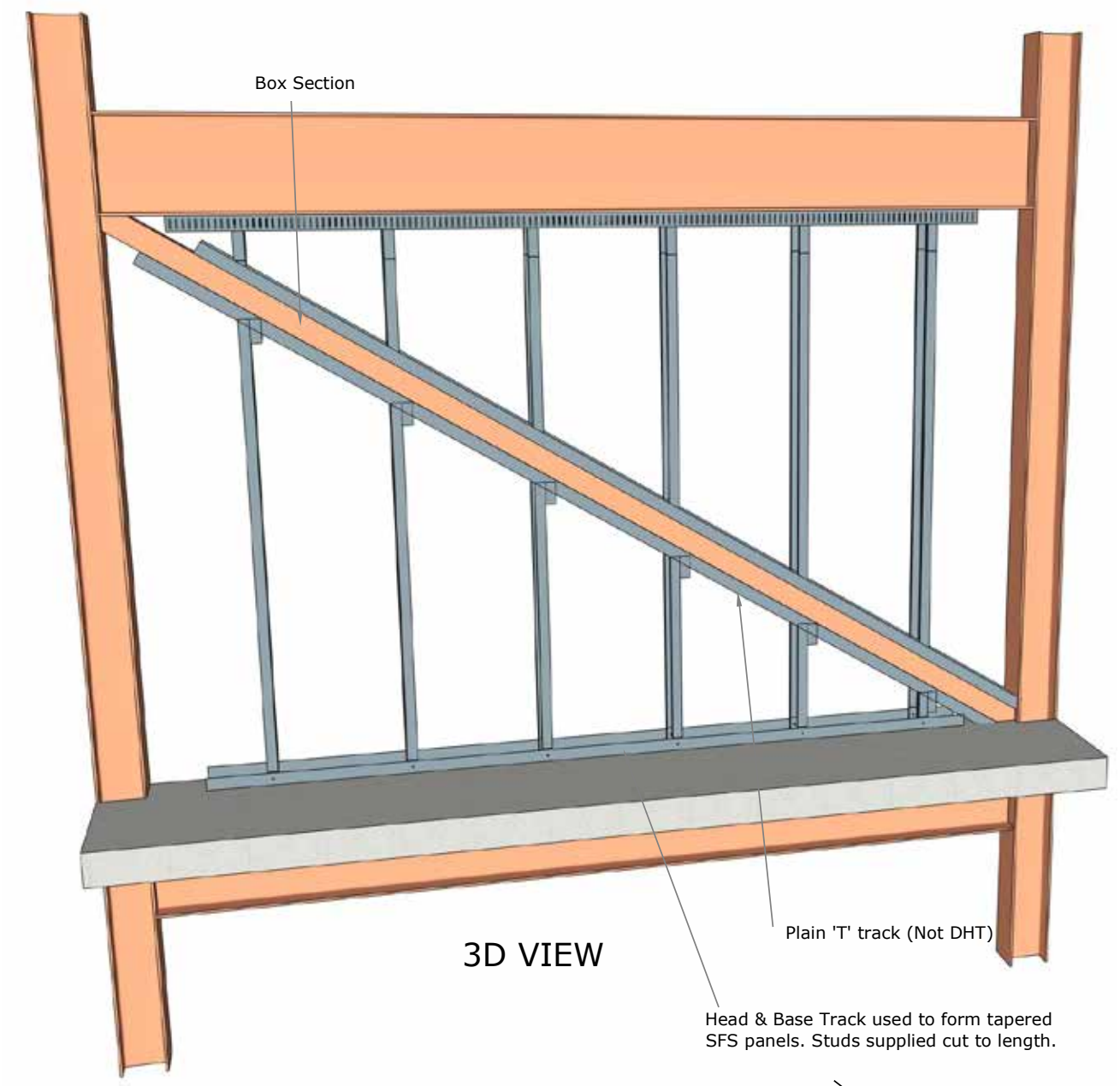
remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

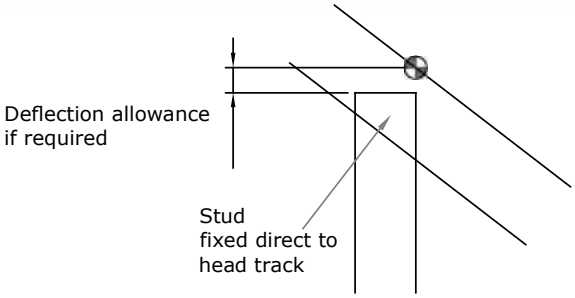
A4

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

NOTES



3D VIEW



NOTE:- NATURE OF BRACING AVOIDANCE FRAMING SUBJECT TO BUILDING DESIGN.

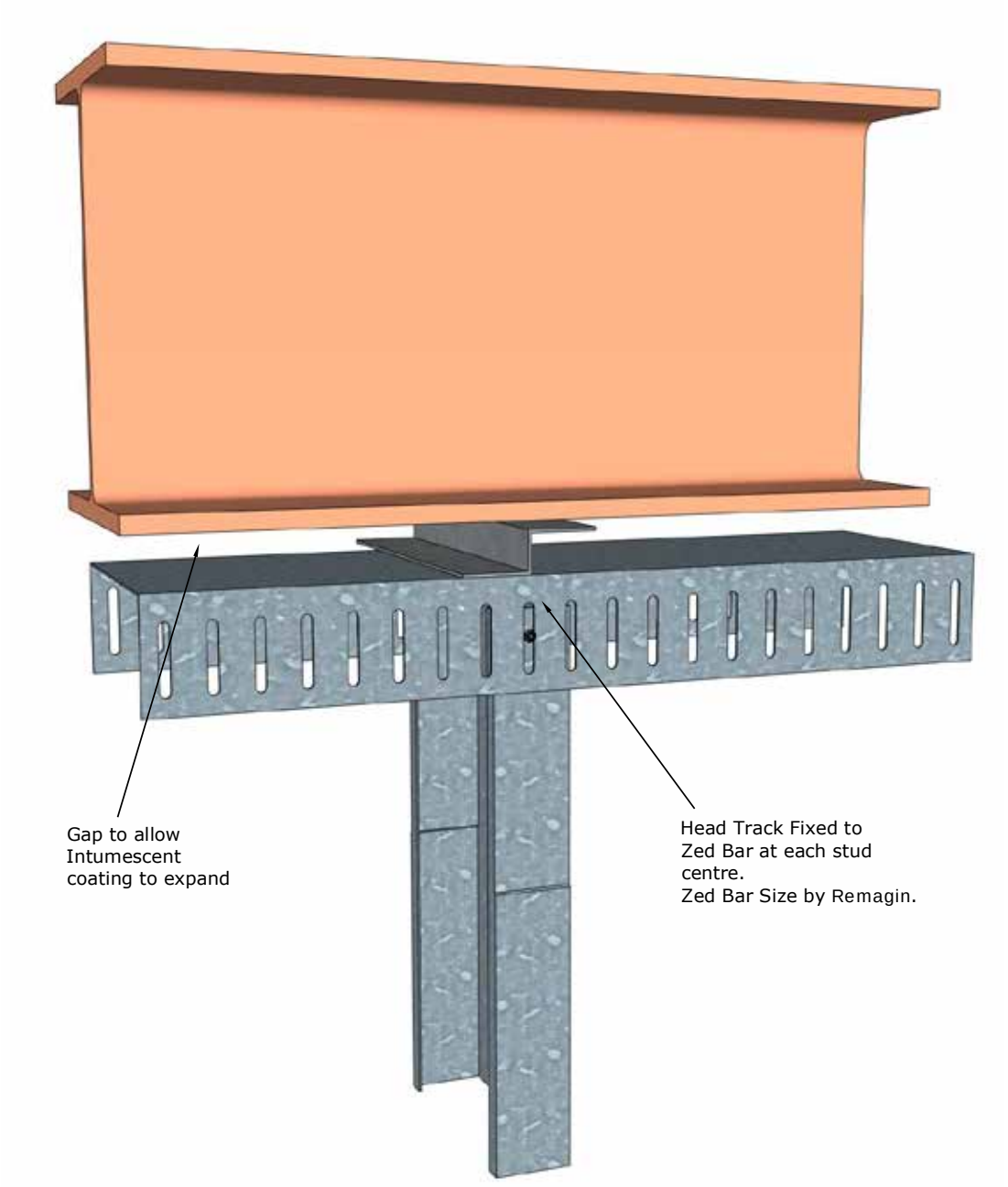
Title:					STAGE:
INDICATIVE BRACING AVOIDANCE METHOD - BOX SECTION (S & T)					Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By:	Scale:	Drawing No.	Revision:	Approved By:	Date:
PK	NTS	219	C	AH/KB	MAY 2022

remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

NOTES



TYPICAL ZED BAR HEAD DETAIL

NOTE
1. Detail to be approved by fire consultant on each project

Title: TYPICAL ZED BAR HEAD DETAIL (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: PK	Scale: NTS	Drawing No. 221	Revision: B	Approved By: AH/KB	Date: MAY 2022

remagin

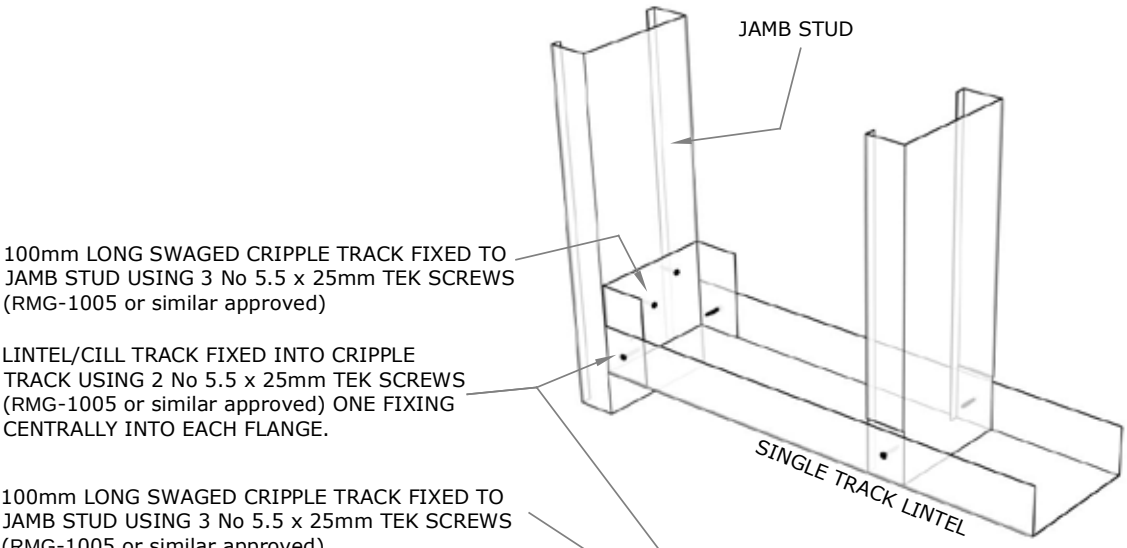
TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

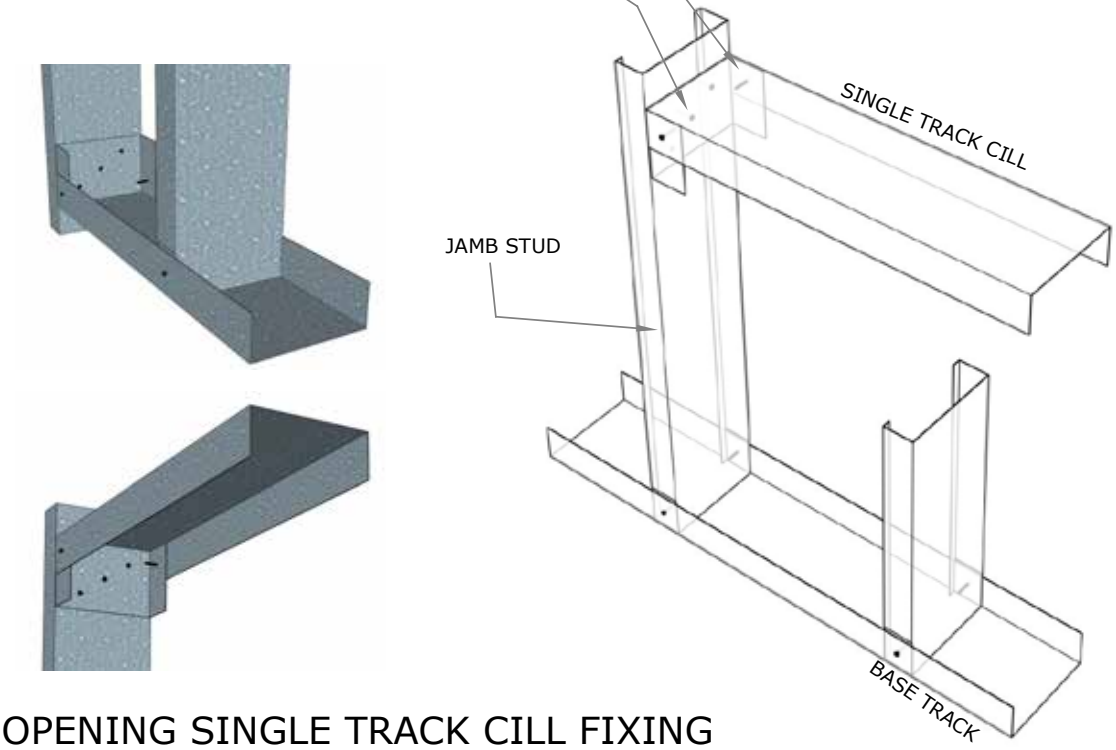
A4

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

NOTES

OPENING SINGLE TRACK LINTEL FIXING





OPENING SINGLE TRACK CILL FIXING

Title:	TYPICAL OPENING - SINGLE TRACK LINTEL & CILL CONNECTION DETAIL (S & T)				STAGE:
					Preliminary: ☐
					Approval: ☐
					Construction: ■
Drawn By:	Scale:	Drawing No.	Revision:	Approved By:	Date:
PK	NTS	261	F	AH/KB	MAY 2022

remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

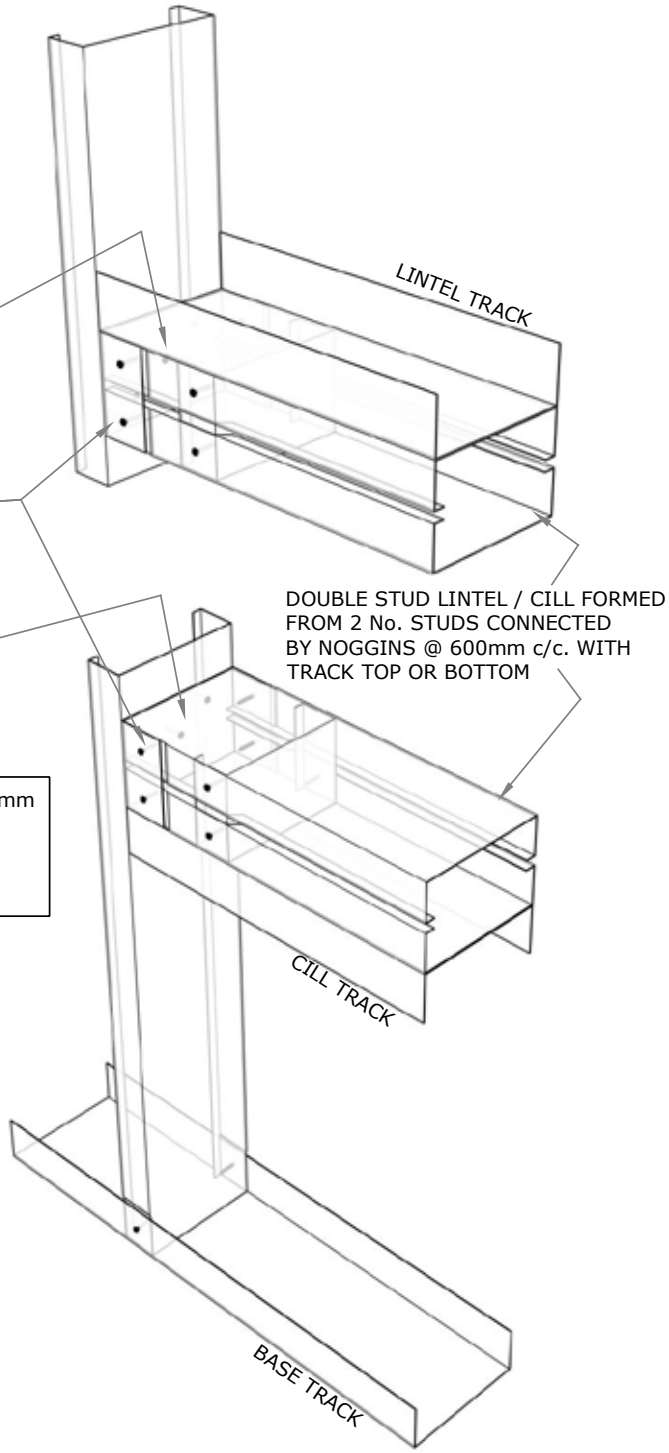
Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

OPENING SINGLE JAMB AND DOUBLE STUD LINTEL FIXING

100mm LONG PLAIN CRIPPLE TRACK FIXED TO JAMB STUD USING 3 No 5.5 x 25mm TEK SCREWS (RMG-1005 or similar approved)

SWAGED DOUBLE STUD LINTEL / CILL FIXED INTO CRIPPLE TRACK USING 2 No 5.5 x 25mm TEK SCREWS (RMG-1005 or similar approved) ONE FIXING CENTRALLY INTO EACH FLANGE.

100mm LONG PLAIN CRIPPLE TRACK FIXED TO JAMB STUD USING 3 No 5.5 x 25mm TEK SCREWS (RMG-1005 or similar approved)



DOUBLE STUD LINTEL / CILL FIXED TOGETHER USING 5.5 x 25mm TEK SCREWS (RMG-1005 or similar approved) 4 FIXINGS PER NOGGIN. DOUBLE STUD LINTEL / CILL FIXED TO LINTEL & CILL TRACK USING 5.5 x 25mm TEK SCREWS (RMG-1001 or similar approved) @ 600mm CENTRES.

OPENING SINGLE JAMB AND DOUBLE STUD CILL FIXING

Title:	TYPICAL OPENING - SINGLE JAMB & DOUBLE STUD LINTEL & CILL CONNECTION DETAIL (S & T)				STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: PK	Scale: NTS	Drawing No. 262	Revision: G	Approved By: AH/KB	Date: MAY 2022

remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

NOTES

NOTE:- DOUBLE STUDS ARE MANUFACTURED AT 175mm WIDE AS STANDARD TO ENCAPSULATE A BRICK TIE CHANNEL POSITION.

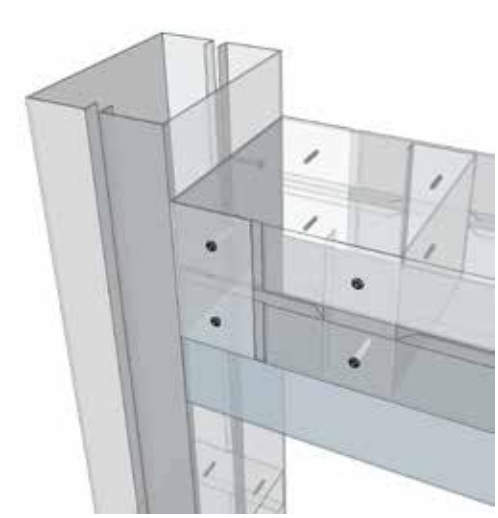
DOUBLE STUDS CAN BE MANUFACTURED BETWEEN 100mm AND 225mm WIDE FOR NON-STANDARD APPLICATIONS. PLEASE ENQUIRE WITH REM.

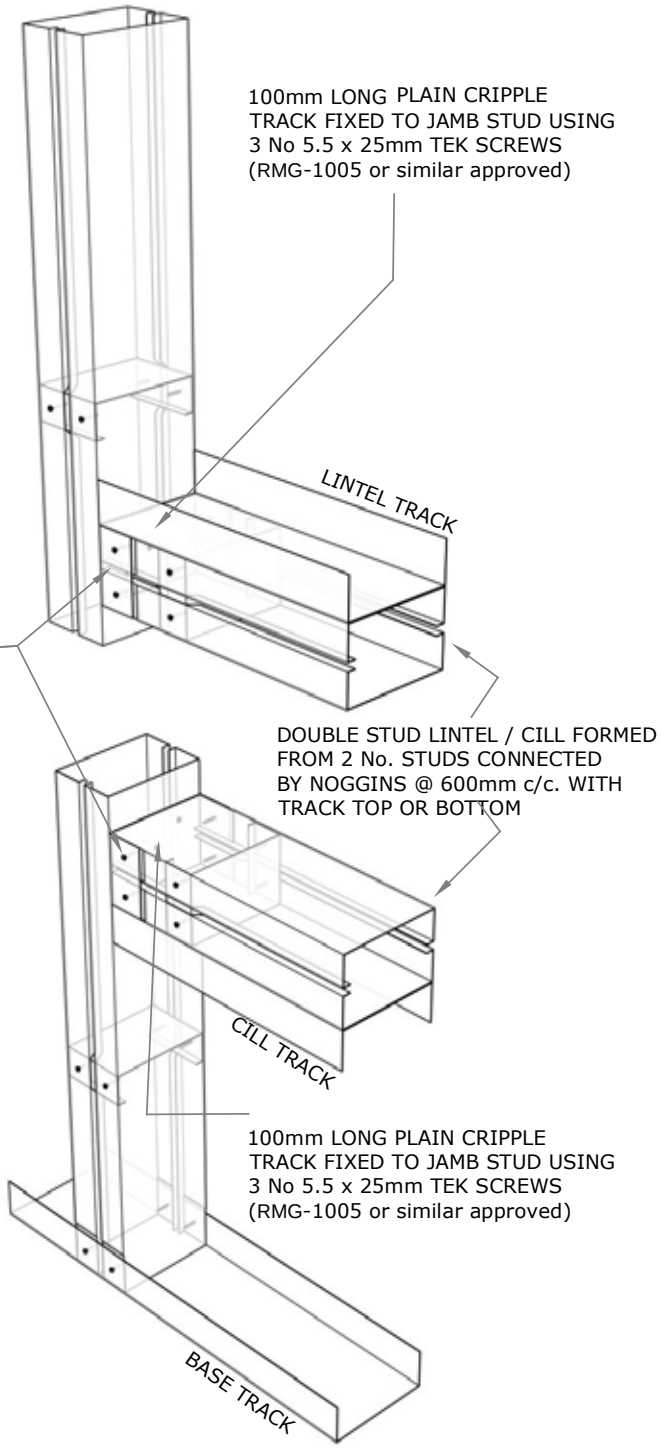
OPENING DOUBLE JAMB AND DOUBLE STUD LINTEL FIXING

DOUBLE STUD LINTEL / CILL FIXED TOGETHER USING 5.5 x 25mm TEK SCREWS (RMG-1001 or similar approved) 4 FIXINGS PER NOGGIN. DOUBLE STUD LINTEL / CILL FIXED TO LINTEL & CILL TRACK USING 5.5 x 25mm TEK SCREWS (RMG-1001 or similar approved) @ 600mm CENTRES.

SWAGED DOUBLE STUD LINTEL / CILL FIXED INTO CRIPPLE TRACK USING 2 No 5.5 x 25mm TEK SCREWS (RMG-1005 or similar approved) ONE FIXING CENTRALLY INTO EACH FLANGE.

DOUBLE STUD JAMBS / DOUBLE STUD LINTELS / CILLS MANUFACTURED OFFSITE AT REMAGIN FACTORY





OPENING DOUBLE JAMB AND DOUBLE STUD CILL FIXING

Title:	TYPICAL OPENING - DOUBLE STUD JAMB & DOUBLE STUD LINTEL & CILL CONNECTION DETAIL (S & T)				STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: TE	Scale: NTS	Drawing No. 263	Revision: F	Approved By: AH/KB	Date: MAY 2022

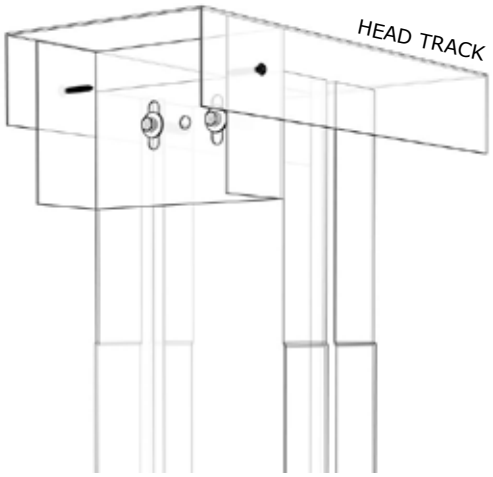
remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

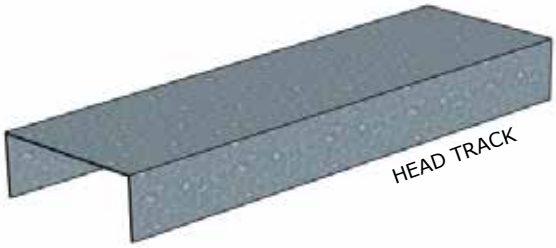
A4

NOTES

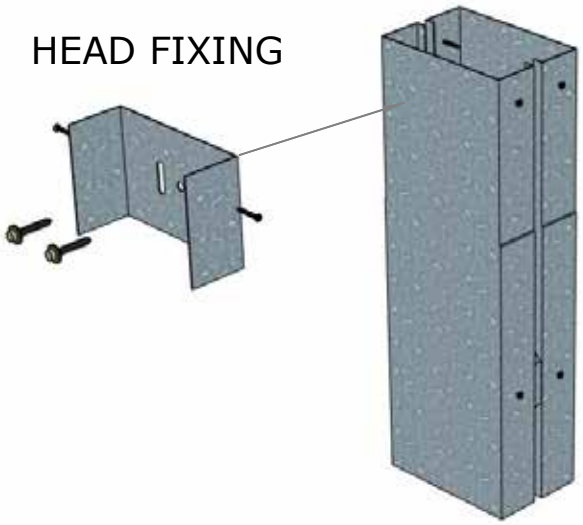
Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible



DEFLECTION HEAD FIXING

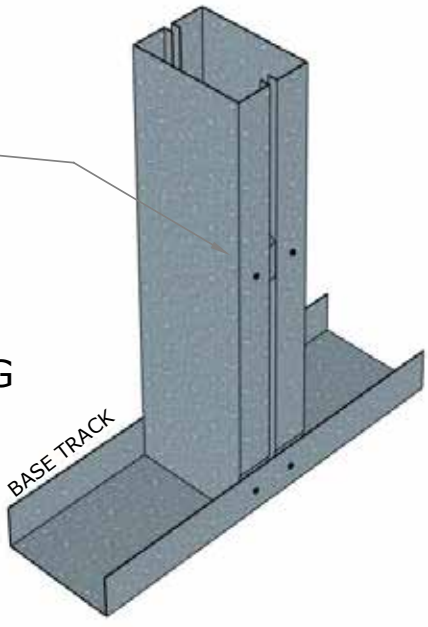


HEAD FIXING



DOUBLE STUD JAMBS MANUFACTURED OFFSITE IN REMAGIN FACTORY.

DOUBLE STUDS CONNECTED USING NOGGINS FIXED WITH 4 No. 5.5 x 25mm TEK SCREWS (RMG-1001 or similar approved).



BASE FIXING

NOTE:- DOUBLE STUDS ARE MANUFACTURED AT 175mm WIDE AS STANDARD TO ENCAPSULATE A BRICK TIE CHANNEL POSITION.

DOUBLE STUDS CAN BE MANUFACTURED BETWEEN 100mm AND 225mm WIDE FOR NON-STANDARD APPLICATIONS. PLEASE ENQUIRE WITH REMAGIN

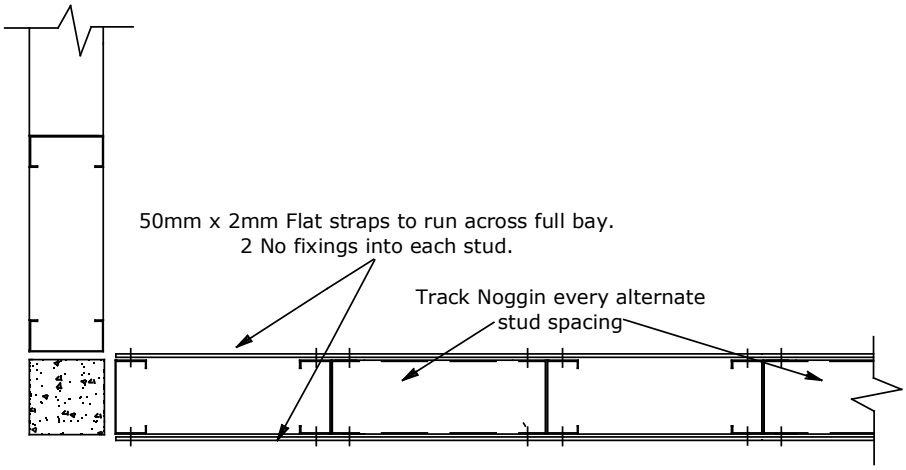
Title:		STAGE:				
TYPICAL DOUBLE STUD CONNECTION DETAIL (S & T)		Preliminary: ☐				
		Approval: ☐				
		Construction: ■				
Drawn By:	Scale:	Drawing No.	Revision:	Approved By:	Date:	
PK	NTS	265	F	AH/KB	MAY 2022	

remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

NOTES

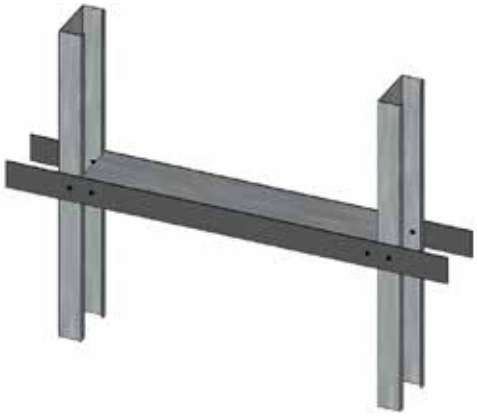


Plan on Typical Corner

Step 1

Flat plate runs full length of bay.
50mm x 2mm thk,
1 No 5.5 x 25mm Tek screw
into each flange of each stud
(RMG-1005 or similar approved)

Step 2



Track to be fixed to strap each side with
2 No 5.5 x 25mm Tek screws (RMG-1005
or similar approved)

Stud Size and Spacing to be Job Specific specified by *Remagin*

This detail is to be used in all situations where a mid-height restraint is required.

Length of mid-height restraint to be specified by Engineer.

Title: TYPICAL STUD & TRACK MID-HEIGHT RESTRAINT DETAIL (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: KB	Scale: NTS	Drawing No. 269	Revision: E	Approved By: AH/PK	Date: MAY 2022

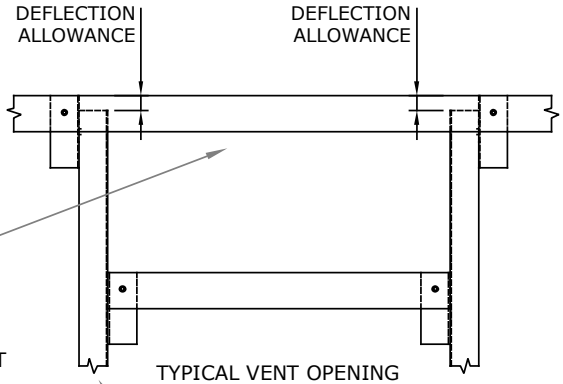
remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

NOTES

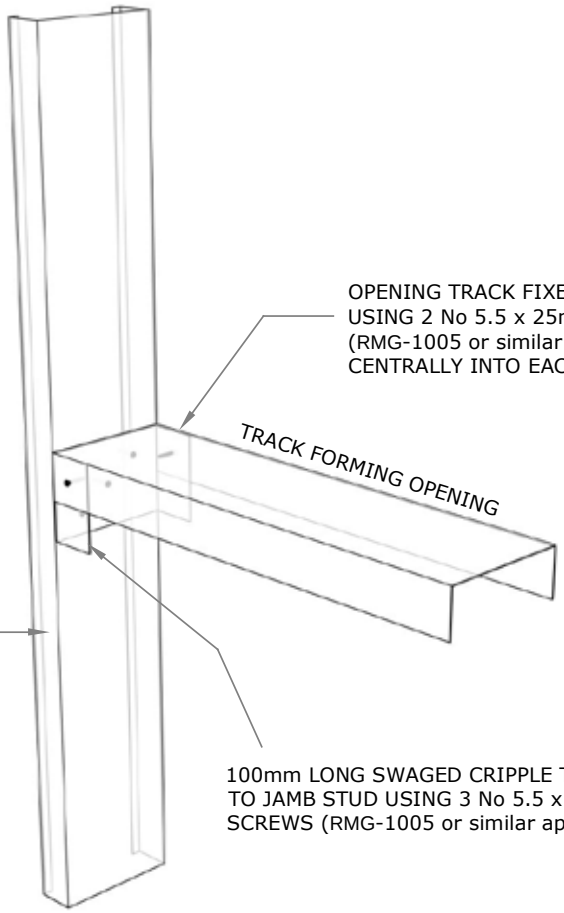
Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible



THE HEAD TRACK CAN BE CUT OUT LOCALLY IF IT CLASHES WITH THE VENT HOWEVER PLEASE ENSURE THAT A FIXING IS PLACED A 50-100mm AWAY FROM EACH END OF TRACK

TYPICAL VENT OPENING ELEVATION

DEPENDING ON THE DIMENSIONS AND POSITION OF THE VENT OPENING DOUBLE MEMBERS MAY BE REQUIRED



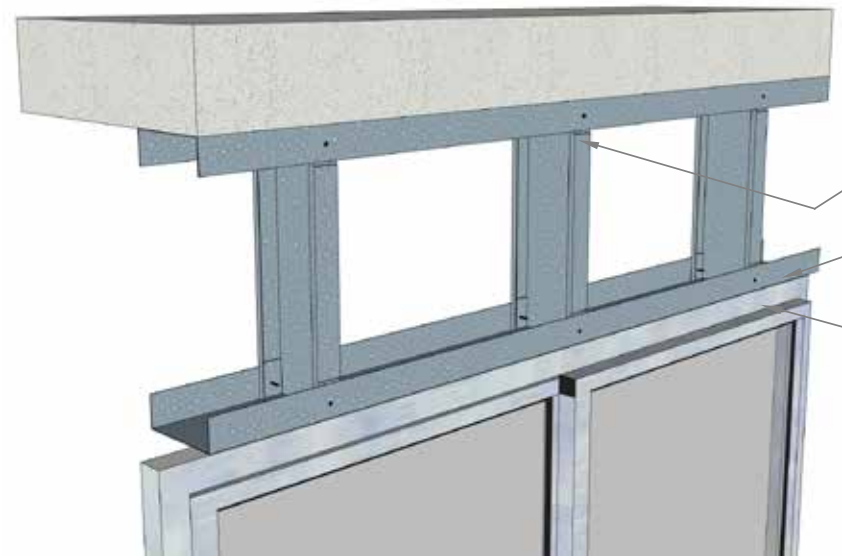
Title: TYPICAL VENT OPENING CONNECTION DETAIL (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: PK	Scale: NTS	Drawing No. 270	Revision: E	Approved By: AH/KB	Date: MAY 2022

remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

NOTES

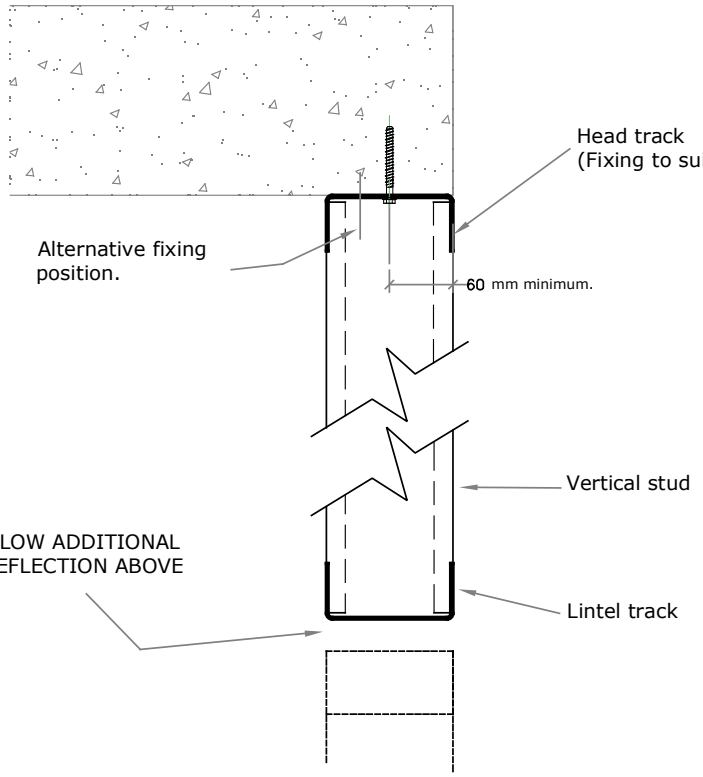


DEFLECTION BRACKETS OR DEFLECTION HEAD TRACK IS NOT REQUIRED ON THE STUDS ABOVE THE OPENING FOR A HARD FIXED LINTEL - DEFLECTION IS TO BE ALLOWED FOR ABOVE THE WINDOW

DEFLECTION GAP

WINDOW MANUFACTURER TO ALLOW ADDITIONAL TOLERANCE FOR MOVEMENT / DEFLECTION ABOVE THE HEAD OF THE WINDOW

TYPICAL HARD FIXED LINTEL ELEVATION



WINDOW MANUFACTURER TO ALLOW ADDITIONAL TOLERANCE FOR MOVEMENT / DEFLECTION ABOVE THE HEAD OF THE WINDOW

NOTE:- PROJECT SPECIFIC HARD FIXED LINTEL DETAILS WILL BE PROVIDED DURING DESIGN REVIEW WITH A REMAGIN ENGINEER AS ADDITIONAL BRACKETRY OR WINDPOSTS MAY BE REQUIRED FOR LARGER OPENINGS

TYPICAL SECTION

Title:					STAGE:
TYPICAL HARD FIXED LINTEL CONNECTION (S & T)					Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By:	Scale:	Drawing No.	Revision:	Approved By:	Date:
PK	NTS	271	D	AH/KB	MAY 2022

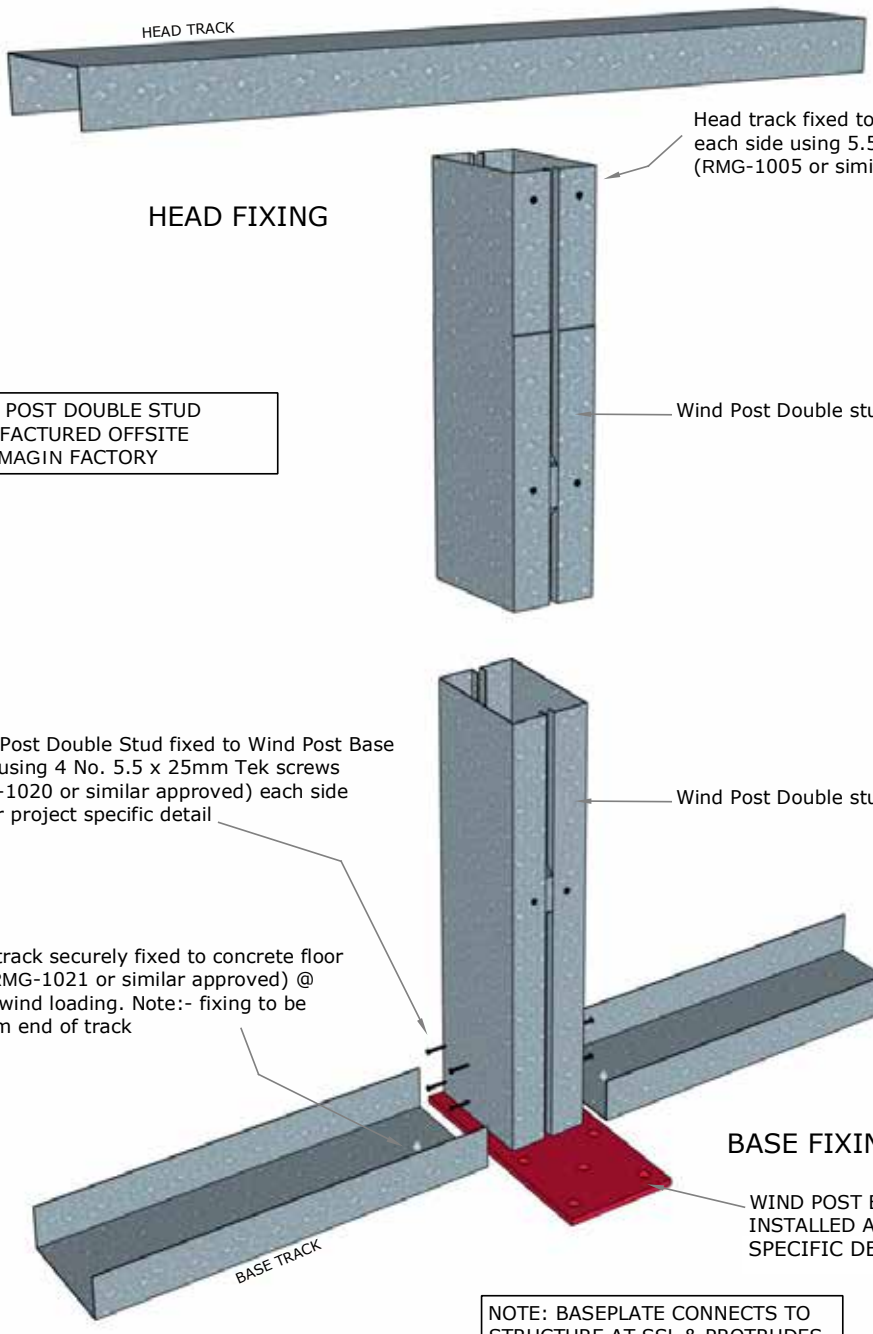
remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

NOTES

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible



NOTE: BASEPLATE CONNECTS TO STRUCTURE AT SSL & PROTRUDES INTERNALLY PAST THE WALL LINE

NOTES

1. Fixing provided as required for windloading restraint.
2. Installer to confirm line and level of track base prior to fixing and report deviations greater than +/- 15mm, or any overhangs exceeding the limits highlighted in detail 209 or shown on project specific WPBP detail.
3. Each track length to have fixing 50-100mm from each end.
4. If the double stud windpost is under 300mm long these will be supplied as 2 No. single studs that can be fixed to the windpost base plate in the same manner as the double studs

Title: TYPICAL PARAPET WIND POST CONNECTION DETAIL (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: PK	Scale: NTS	Drawing No. 272	Revision: F	Approved By: AH/KB	Date: MAY 2022

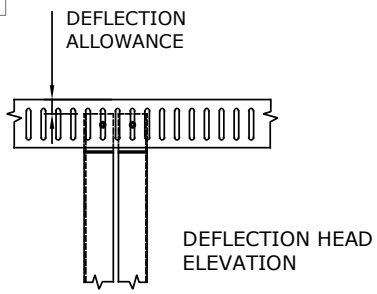
remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

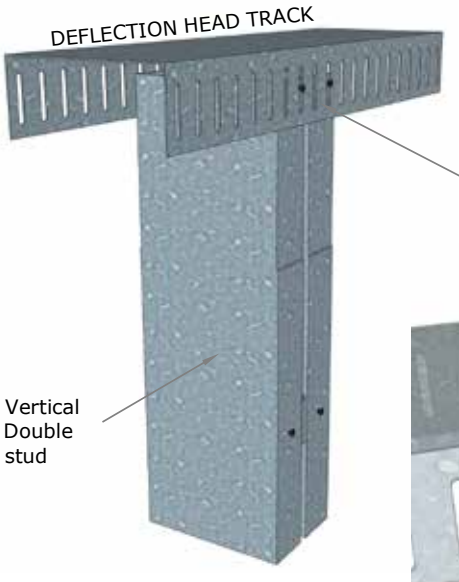
A4

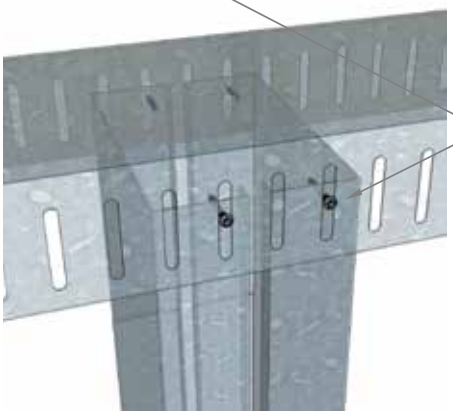
NOTES

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible



HEAD FIXING





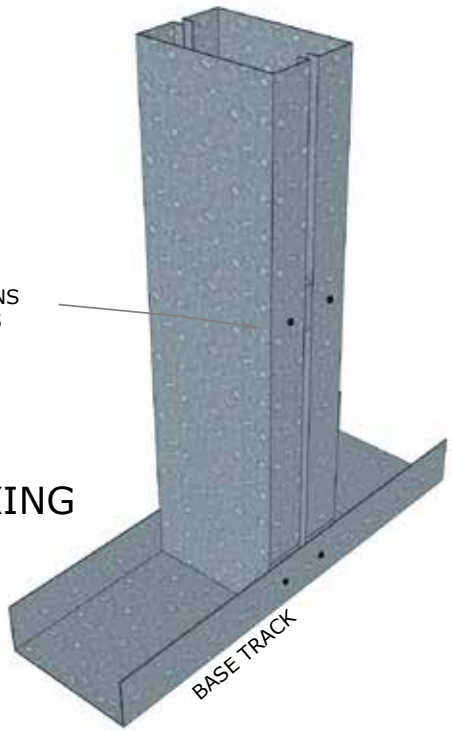
Vertical Double stud fixed to Deflection Head Track through slotted holes using 2 No 5.5 x 25mm tek screws (RMG-1005 or similar approved). Screws fixed central in slot to allow +/- 25mm of movement UNO.

DHT for use with raking pitches up to 5 degrees.
If pitch >5deg, use DHB

DOUBLE STUD JAMBS MANUFACTURED OFFSITE IN REMAGIN FACTORY

DOUBLE STUDS CONNECTED USING NOGGINS FIXED WITH 4 No. 5.5 x 25mm TEK SCREWS (RMG-1001 or similar approved).

BASE FIXING



NOTE:- DOUBLE STUDS ARE MANUFACTURED AT 175mm WIDE AS STANDARD TO ENCAPSULATE A BRICK TIE CHANNEL POSITION.

DOUBLE STUDS CAN BE MANUFACTURED BETWEEN 100mm AND 225mm WIDE FOR NON-STANDARD APPLICATIONS. PLEASE ENQUIRE WITH REMAGIN.

Title:	TYPICAL DOUBLE STUD CONNECTION DETAIL (S & T) [DHT - DEFLECTION HEAD TRACK]				STAGE:
					Preliminary: ☐
					Approval: ☐
					Construction: ■
Drawn By:	Scale:	Drawing No.	Revision:	Approved By:	Date:
PK	NTS	273	D	AH/KB	MAY 2022

remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

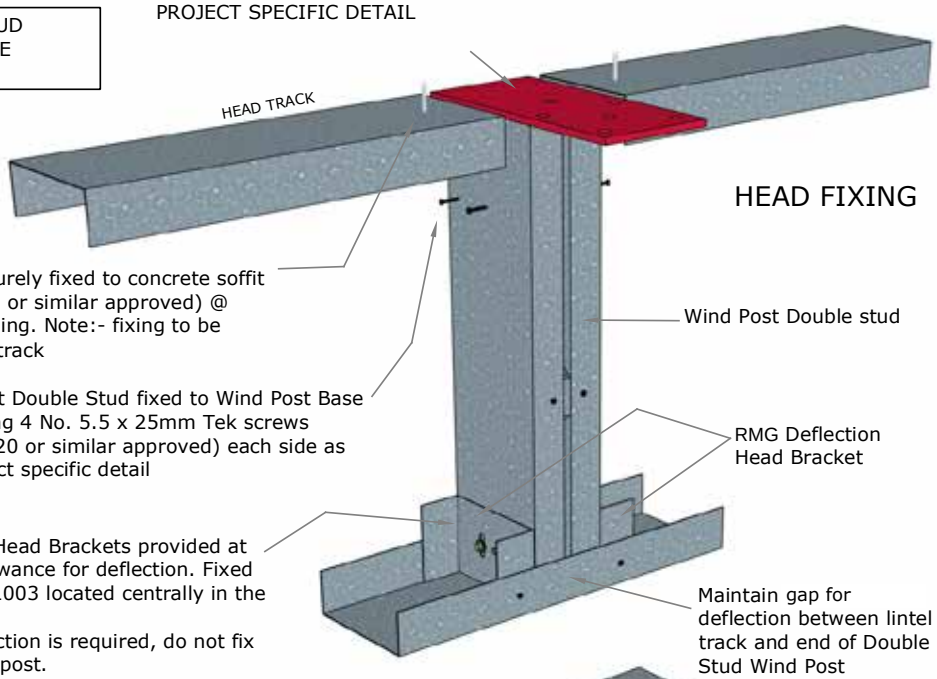
A4

NOTES

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

WIND POST DOUBLE STUD MANUFACTURED OFFSITE IN REMAGIN FACTORY

WIND POST BASEPLATE - AS PER PROJECT SPECIFIC DETAIL



HEAD FIXING

Remagin head track securely fixed to concrete soffit using fixings (RMG-1021 or similar approved) @ centres to suit wind loading. Note:- fixing to be 50-100mm from end of track

Wind Post Double stud

Wind Post Double Stud fixed to Wind Post Base Plate using 4 No. 5.5 x 25mm Tek screws (RMG-1020 or similar approved) each side as per project specific detail

RMG Deflection Head Bracket

2 No. Deflection Head Brackets provided at lintel level to allowance for deflection. Fixed with 2 No. RMG-1003 located centrally in the slot.
Note where deflection is required, do not fix boarding to wind post.

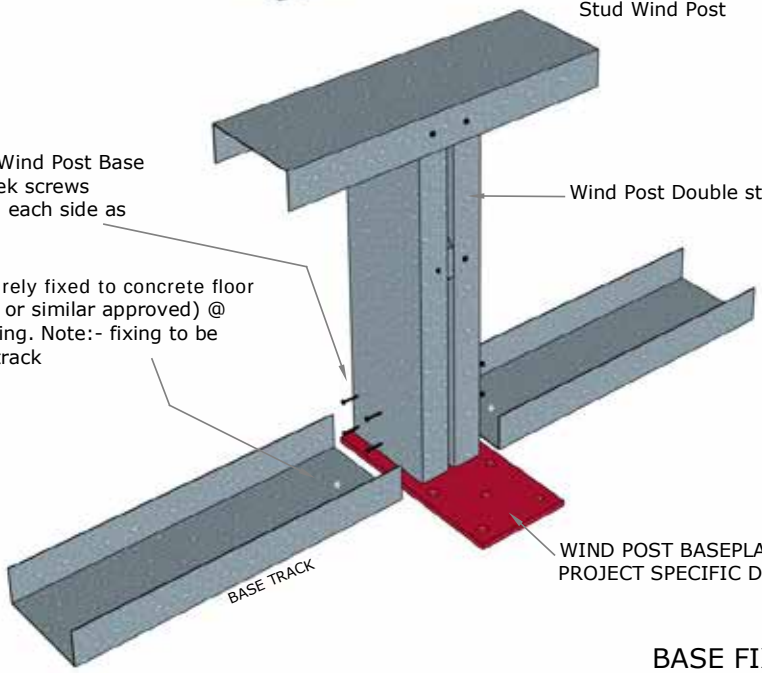
Maintain gap for deflection between lintel track and end of Double Stud Wind Post

Wind Post Double Stud fixed to Wind Post Base Plate using 4 No. 5.5 x 25mm Tek screws (RMG-1020 or similar approved) each side as per project specific detail

Wind Post Double stud

Remagin base track securely fixed to concrete floor using fixings (RMG-1021 or similar approved) @ centres to suit wind loading. Note:- fixing to be 50-100mm from end of track

NOTE: BASEPLATE CONNECTS TO STRUCTURE AT SSL & PROTRUDES INTERNALLY PAST THE WALL LINE



WIND POST BASEPLATE - AS PER PROJECT SPECIFIC DETAIL

BASE FIXING

NOTES

1. Fixing provided as required for windloading restraint.
2. Installer to confirm line and level of track base prior to fixing and report deviations greater than +/- 15mm, or any overhangs exceeding the limits highlighted in detail 209 or shown on project specific WPBP detail.
3. Each track length to have fixing 50-100mm from each end.
4. If the double stud windpost is under 300mm long these will be supplied as 2 No. single studs that can be fixed to the windpost base plate in the same manner as the double studs

Title:		STAGE:	
TYPICAL OPENING WIND POST CONNECTION DETAIL [DEFLECTION HEAD BRACKET] (S & T)		Preliminary: ☐	
		Approval: ☐	
		Construction: ■	

Drawn By:	Scale:	Drawing No.	Revision:	Approved By:	Date:
PK	NTS	274	C	AH/KB	MAY 2022

remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

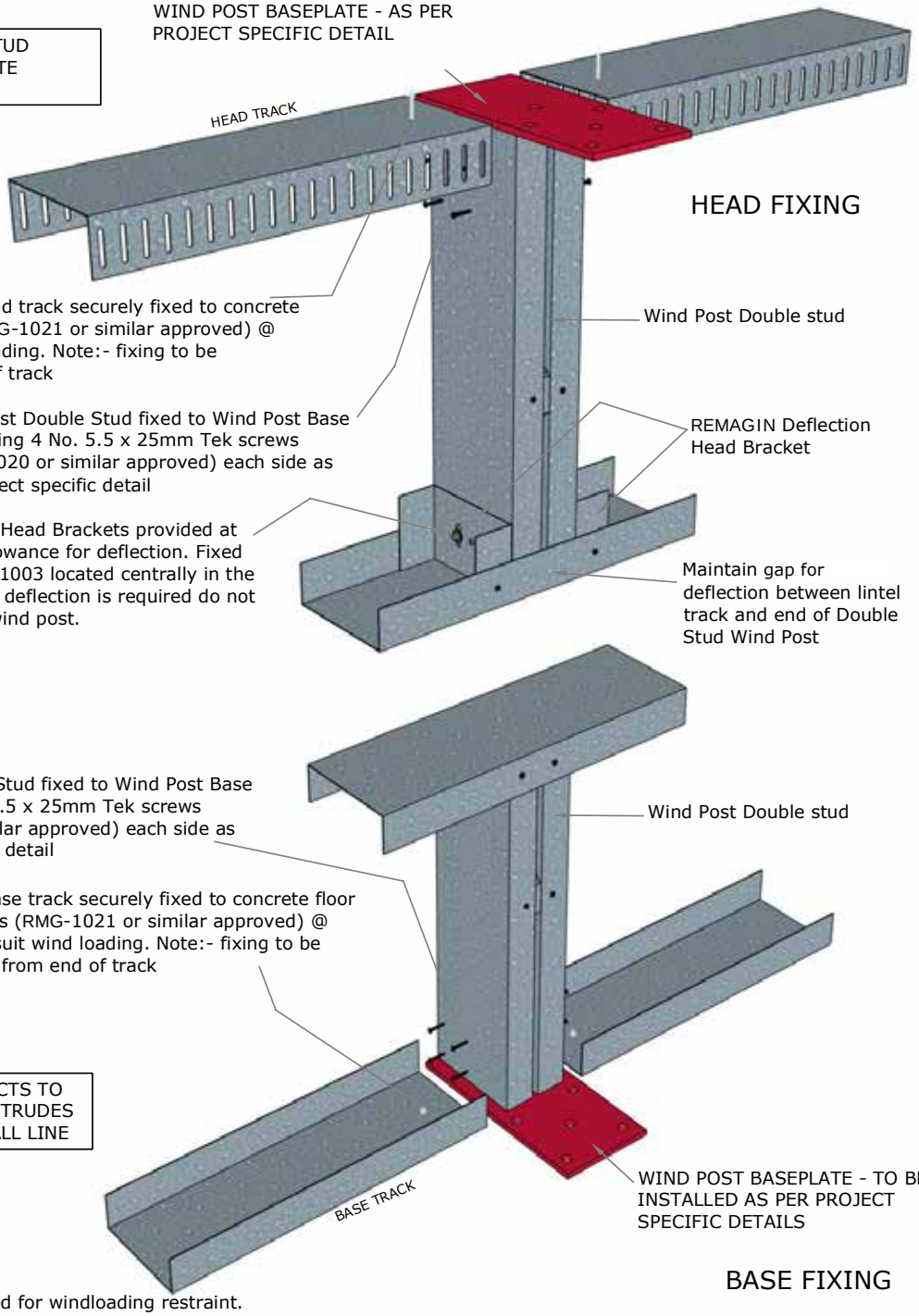
A4

NOTES

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

WIND POST DOUBLE STUD MANUFACTURED OFFSITE IN REMAGIN FACTORY

WIND POST BASEPLATE - AS PER PROJECT SPECIFIC DETAIL



HEAD FIXING

Remagin deflection head track securely fixed to concrete soffit using fixings (RMG-1021 or similar approved) @ centres to suit wind loading. Note:- fixing to be 60-100mm from end of track

Wind Post Double stud

Wind Post Double Stud fixed to Wind Post Base Plate using 4 No. 5.5 x 25mm Tek screws (RMG-1020 or similar approved) each side as per project specific detail

REMAGIN Deflection Head Bracket

2 No. Deflection Head Brackets provided at lintel level to allowance for deflection. Fixed with 2 No. RMG-1003 located centrally in the slot. Note where deflection is required do not fix boarding to wind post.

Maintain gap for deflection between lintel track and end of Double Stud Wind Post

Wind Post Double Stud fixed to Wind Post Base Plate using 4 No. 5.5 x 25mm Tek screws (RMG-1020 or similar approved) each side as per project specific detail

Wind Post Double stud

Remagin base track securely fixed to concrete floor using fixings (RMG-1021 or similar approved) @ centres to suit wind loading. Note:- fixing to be 50-100mm from end of track

NOTE: BASEPLATE CONNECTS TO STRUCTURE AT SSL & PROTRUDES INTERNALLY PAST THE WALL LINE

WIND POST BASEPLATE - TO BE INSTALLED AS PER PROJECT SPECIFIC DETAILS

BASE FIXING

NOTES

1. Fixing provided as required for windloading restraint.
2. Installer to confirm line and level of track base prior to fixing and report deviations greater than +/- 15mm, or any overhangs exceeding the limits highlighted in detail 209 or shown on project specific WPBP detail.
3. Each track length to have fixing 50-100mm from each end.
4. If the double stud windpost is under 300mm long these will be supplied as 2 No. single studs that can be fixed to the windpost base plate in the same manner as the double studs

Title:	TYPICAL OPENING WIND POST CONNECTION DETAIL [DEFLECTION HEAD TRACK] (S & T)				STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: PK	Scale: NTS	Drawing No. 275	Revision: C	Approved By: AH/KB	Date: MAY 2022

remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

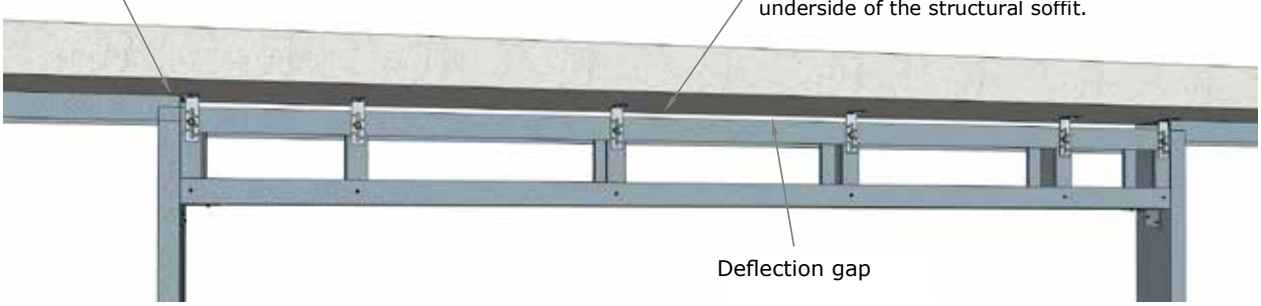
A4

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

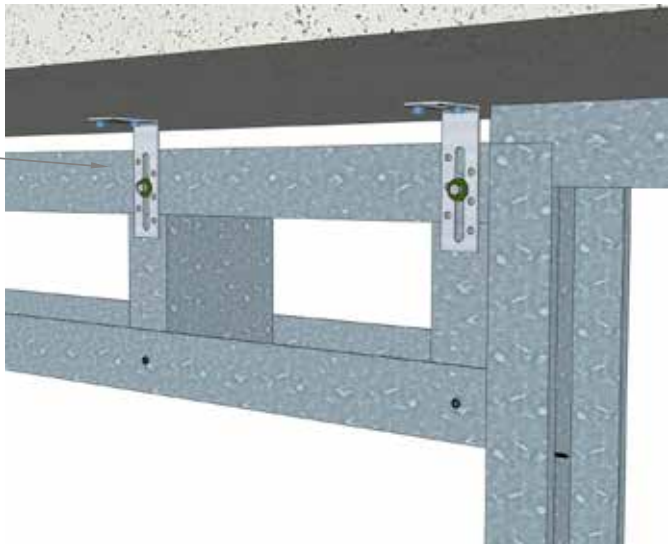
NOTES

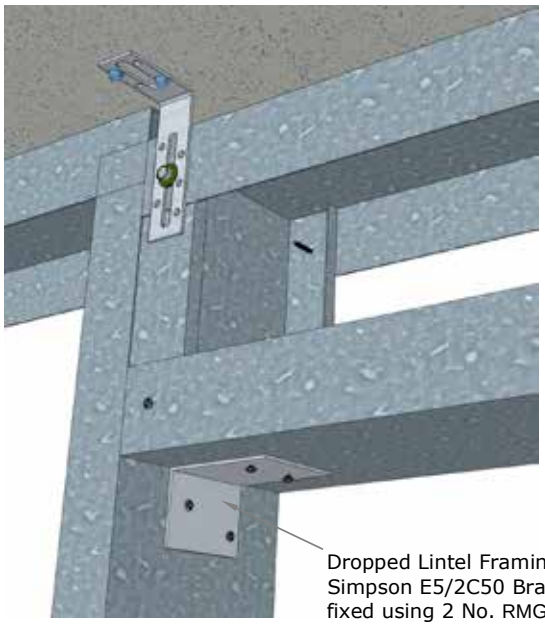
Main head track stops either side of the opening

Dropped Lintel Framing consists of 'hard-fixed ladder frame' with a deflection gap to the underside of the structural soffit.

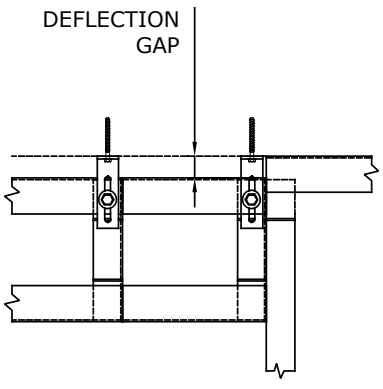


1 No. Simpson EFIXS100 Bracket to each vertical stud within the Dropped Lintel to provide lateral restraint and maintain deflection allowance. Bracket fixed to underside of structure using 2 No. RMG-1007 fixings. Bracket fixed to Remagin studs using 1 No. RMG-1003 large washer head fixing, fixed centrally in slot.





Dropped Lintel Framing supported on 1 No. Simpson E5/2C50 Bracket each end. Bracket fixed using 2 No. RMG-1005 to each leg



DEFLECTION HEAD ELEVATION

Title: TYPICAL DROPPED LINTEL DETAIL (S & T)					STAGE: Preliminary: ☐ Approval: ☐ Construction: ■
Drawn By: TE	Scale: NTS	Drawing No. 276	Revision: A	Approved By: AH/KB	Date: MAY 2022

remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

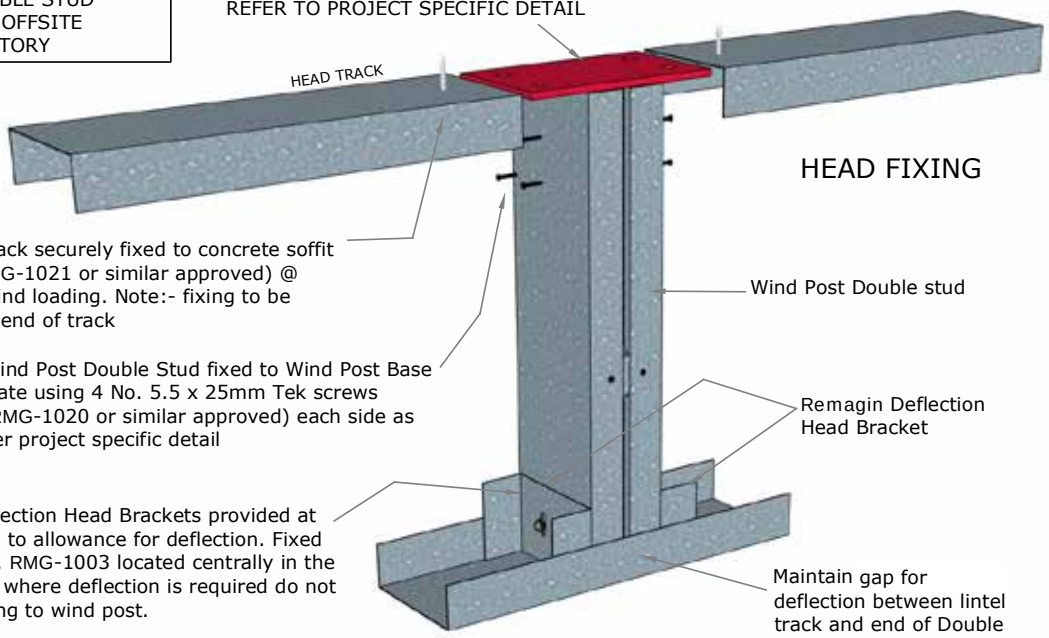
A4

NOTES

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

WIND POST DOUBLE STUD MANUFACTURED OFFSITE IN REMAGIN FACTORY

INLINE WIND POST BASEPLATE - TYPICAL HR CONNECTION, PLEASE REFER TO PROJECT SPECIFIC DETAIL



HEAD FIXING

Remagin head track securely fixed to concrete soffit using fixings (RMG-1021 or similar approved) @ centres to suit wind loading. Note:- fixing to be 50-100mm from end of track

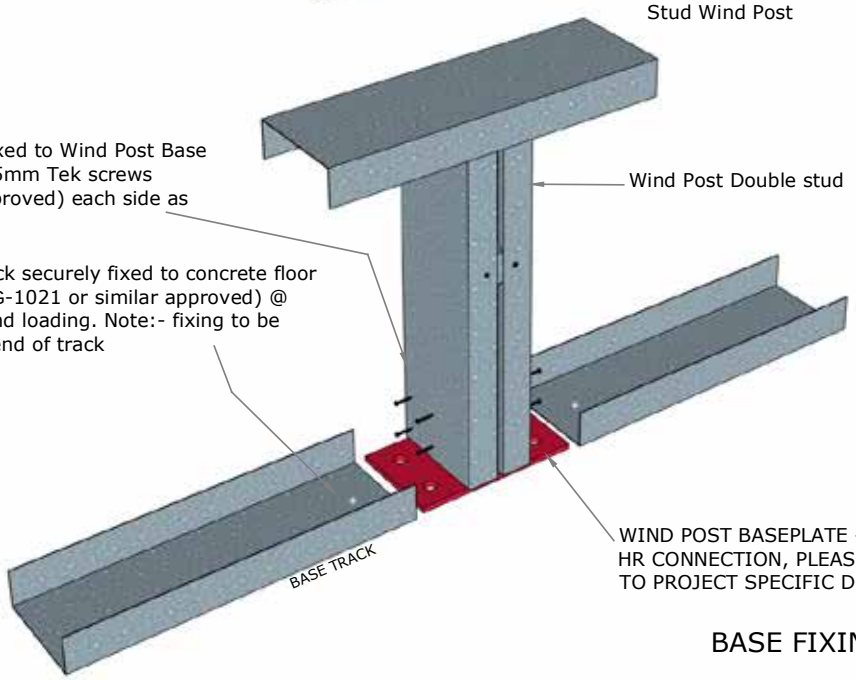
Wind Post Double stud

Wind Post Double Stud fixed to Wind Post Base Plate using 4 No. 5.5 x 25mm Tek screws (RMG-1020 or similar approved) each side as per project specific detail

Remagin Deflection Head Bracket

2 No. Deflection Head Brackets provided at lintel level to allowance for deflection. Fixed with 2 No. RMG-1003 located centrally in the slot. Note where deflection is required do not fix boarding to wind post.

Maintain gap for deflection between lintel track and end of Double Stud Wind Post



Wind Post Double Stud fixed to Wind Post Base Plate using 4 No. 5.5 x 25mm Tek screws (RMG-1020 or similar approved) each side as per project specific detail

Wind Post Double stud

Remagin base track securely fixed to concrete floor using fixings (RMG-1021 or similar approved) @ centres to suit wind loading. Note:- fixing to be 50-100mm from end of track

WIND POST BASEPLATE - TYPICAL HR CONNECTION, PLEASE REFER TO PROJECT SPECIFIC DETAIL

BASE FIXING

NOTES

1. Fixing provided as required for windloading restraint.
2. Installer to confirm line and level of track base prior to fixing and report deviations greater than +/- 15mm, or any overhangs exceeding the limits highlighted in detail 209
3. Each track length to have fixing 50-100mm from each end.
4. If the double stud windpost is under 300mm long these will be supplied as 2 No. single studs that can be fixed to the windpost base plate in the same manner as the double studs

Title:	TYPICAL OPENING INLINE WIND POST CONNECTION DETAIL - FIXING INTO STEEL ONLY [DEFLECTION HEAD BRACKET] (S & T)				STAGE:
					Preliminary: ☐
					Approval: ☐
					Construction: ■
Drawn By:	Scale:	Drawing No.	Revision:	Approved By:	Date:
PK	NTS	277	C	AH/KB	MAY 2022

remagin

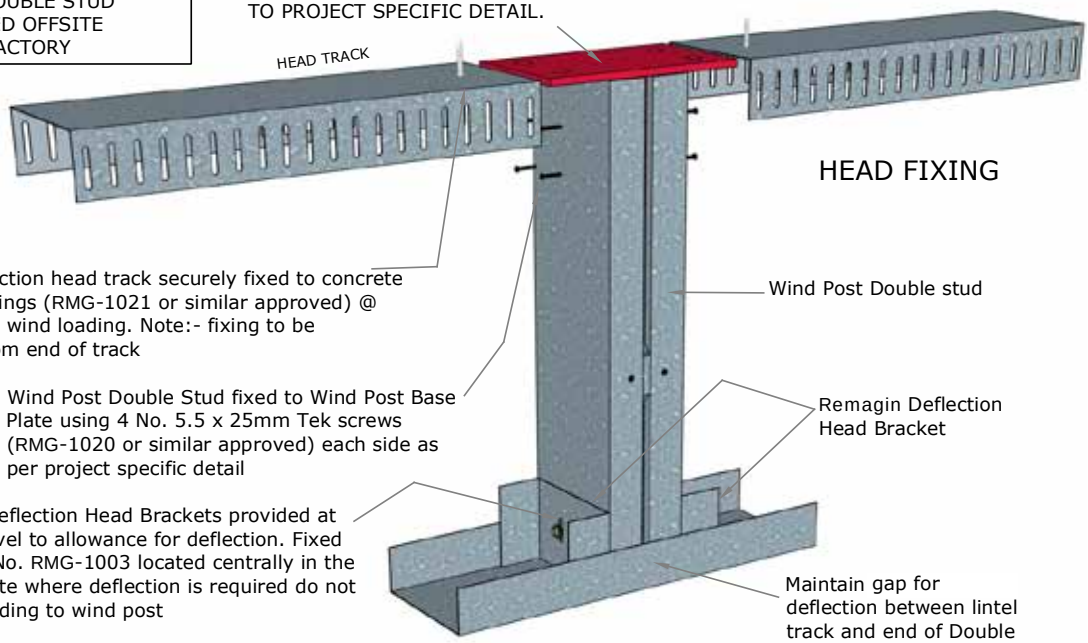
TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

A4

Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

WIND POST DOUBLE STUD MANUFACTURED OFFSITE IN REMAGIN FACTORY

WIND POST BASEPLATE - TYPICAL HR CONNECTION. PLEASE REFER TO PROJECT SPECIFIC DETAIL.



HEAD FIXING

Remagin deflection head track securely fixed to concrete soffit using fixings (RMG-1021 or similar approved) @ centres to suit wind loading. Note:- fixing to be 50-100mm from end of track

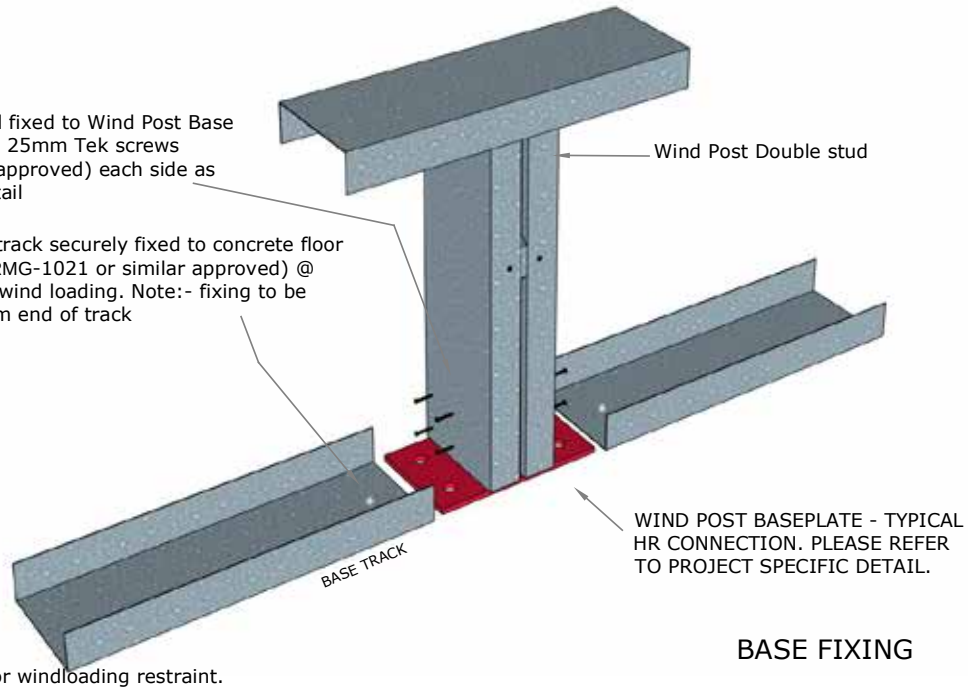
Wind Post Double stud

Wind Post Double Stud fixed to Wind Post Base Plate using 4 No. 5.5 x 25mm Tek screws (RMG-1020 or similar approved) each side as per project specific detail

Remagin Deflection Head Bracket

2 No. Deflection Head Brackets provided at lintel level to allowance for deflection. Fixed with 2 No. RMG-1003 located centrally in the slot. Note where deflection is required do not fix boarding to wind post

Maintain gap for deflection between lintel track and end of Double Stud Wind Post



Wind Post Double Stud fixed to Wind Post Base Plate using 4 No. 5.5 x 25mm Tek screws (RMG-1020 or similar approved) each side as per project specific detail

Wind Post Double stud

Remagin base track securely fixed to concrete floor using fixings (RMG-1021 or similar approved) @ centres to suit wind loading. Note:- fixing to be 50-100mm from end of track

WIND POST BASEPLATE - TYPICAL HR CONNECTION. PLEASE REFER TO PROJECT SPECIFIC DETAIL.

BASE FIXING

NOTES

1. Fixing provided as required for windloading restraint.
2. Installer to confirm line and level of track base prior to fixing and report deviations greater than +/- 15mm, or any overhangs exceeding the limits highlighted in detail 209
3. Each track length to have fixing 50-100mm from each end.
4. If the double stud windpost is under 300mm long these will be supplied as 2 No. single studs that can be fixed to the windpost base plate in the same manner as the double studs

Title:	TYPICAL OPENING INLINE WIND POST CONNECTION DETAIL - FIXING INTO STEEL ONLY [DEFLECTION HEAD TRACK] (S & T)				STAGE:
					Preliminary: ☐
					Approval: ☐
					Construction: ■
Drawn By:	Scale:	Drawing No.	Revision:	Approved By:	Date:
PK	NTS	278	C	AH/KB	MAY 2022

remagin

TOLERANCES:
Construction tolerances between frames is −0mm +2mm. Frames are manufactured and assembled to +0mm −2mm.

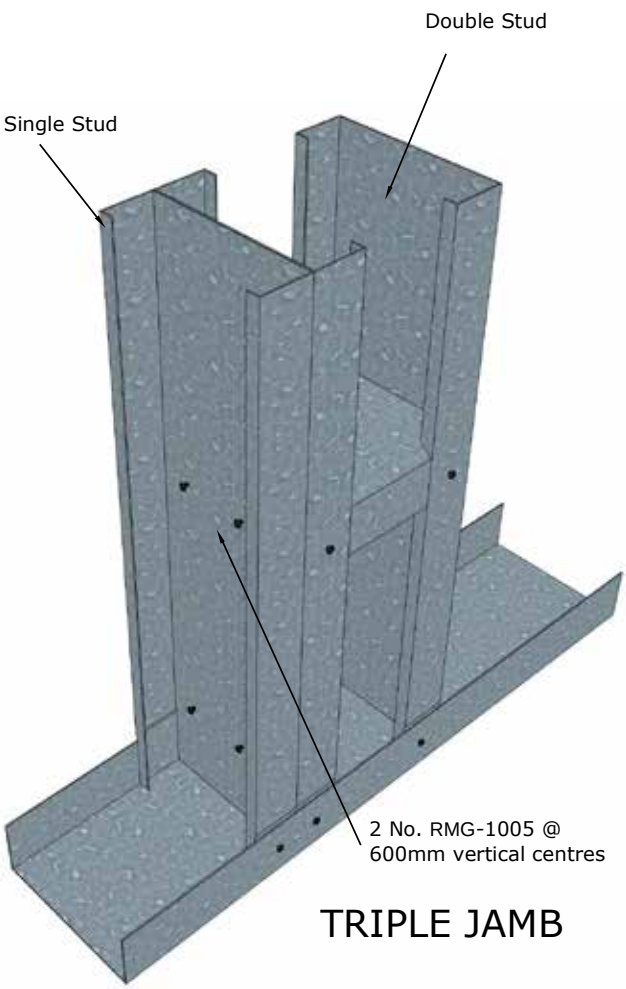
A4

NOTES

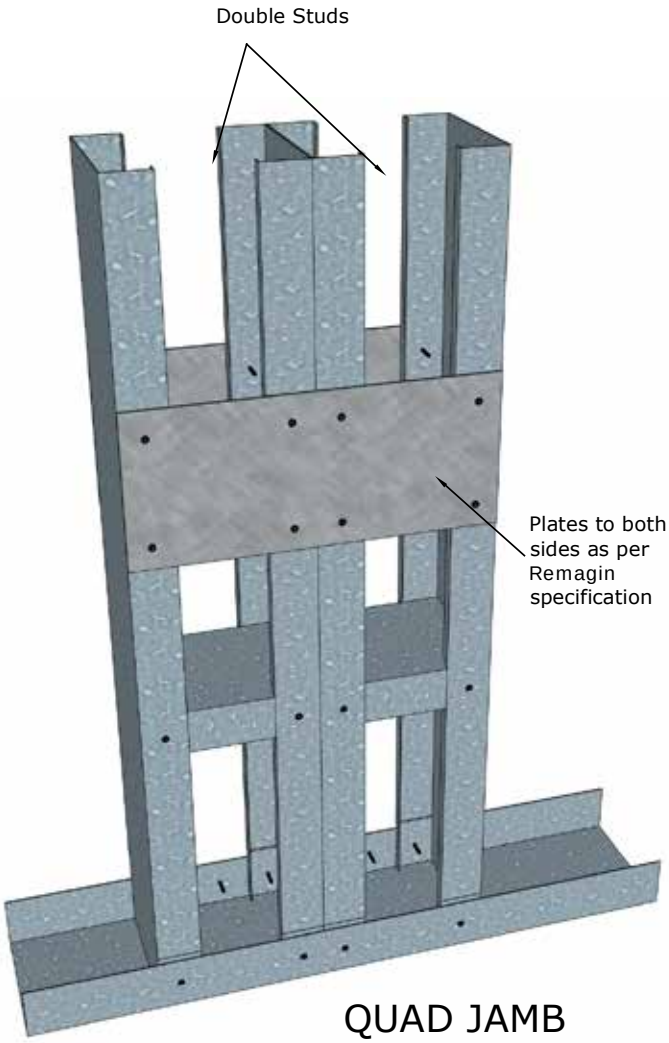
Studs have swaged ends to fit inside the track so that both studs & tracks are the same width to assist in providing as flush a finish as is possible

TRIPLE JAMBS CONSIST OF SINGLE STUD FIXED TO PRE-ASSEMBLED DOUBLE STUD.

QUAD JAMBS CONSIST OF 2 NO. PRE-ASSEMBLED DOUBLE STUDS FIXED TOGETHER WITH PLATES AS SPECIFIED BY REMAGIN ENGINEERS.



TRIPLE JAMB



QUAD JAMB

NOTE:-
DOUBLE STUDS ARE MANUFACTURED AT 175mm WIDE AS STANDARD.

DOUBLE STUDS CAN BE MANUFACTURED BETWEEN 100mm AND 225mm WIDE FOR NON-STANDARD APPLICATIONS. PLEASE ENQUIRE WITH REMAGIN

FOR HEAD FIXINGS PLEASE REFER TO STANDARD DETAILS 273 (DHT DEFLECTION HEAD TRACK) OR 265 (DHB DEFLECTION HEAD BRACKETS)

Title:		STAGE:	
TYPICAL TRIPLE & QUAD JAMB DETAILS (S & T)		Preliminary: ☐	
		Approval: ☐	
		Construction: ■	
Drawn By:	Scale:	Drawing No.	Revision:	Approved By:	Date:
TE	NTS	279	-	AH/KB	MAY 2022

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