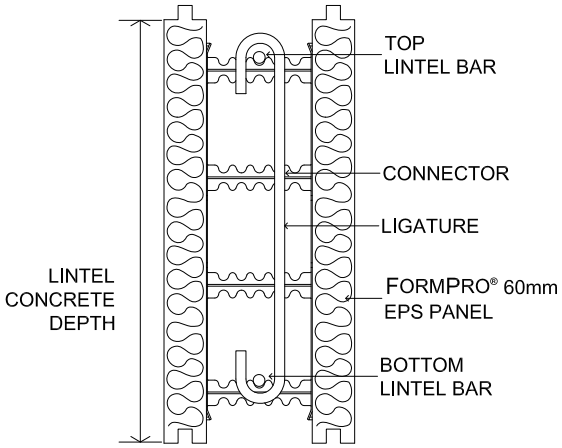
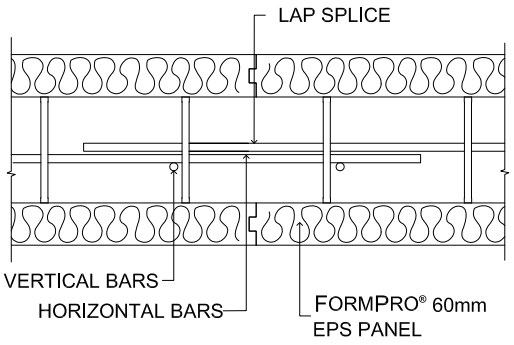


FORMPRO® TYPICAL LINTEL DETAIL



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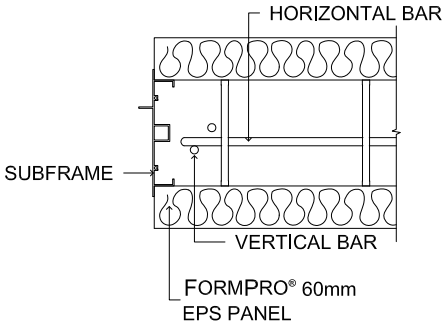

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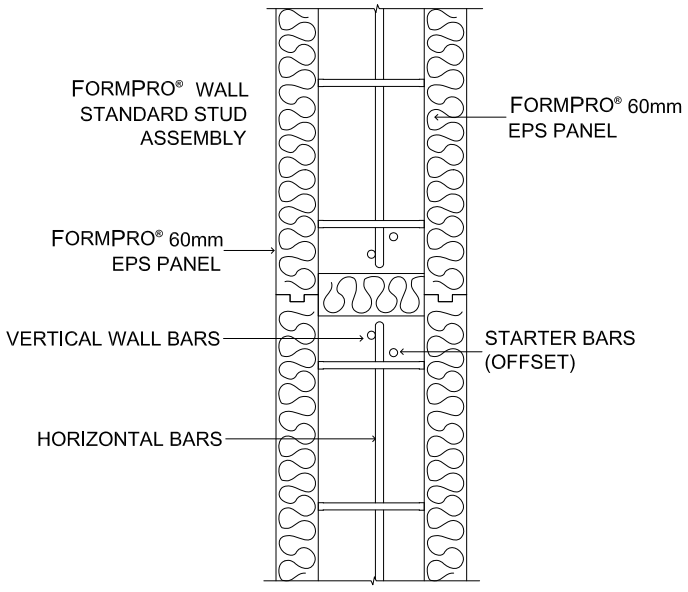

FORMPRO® TYPICAL WALL CONTROL JOINT DETAIL

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FORMPRO EE WALL JOINT & ENDS DETAILS

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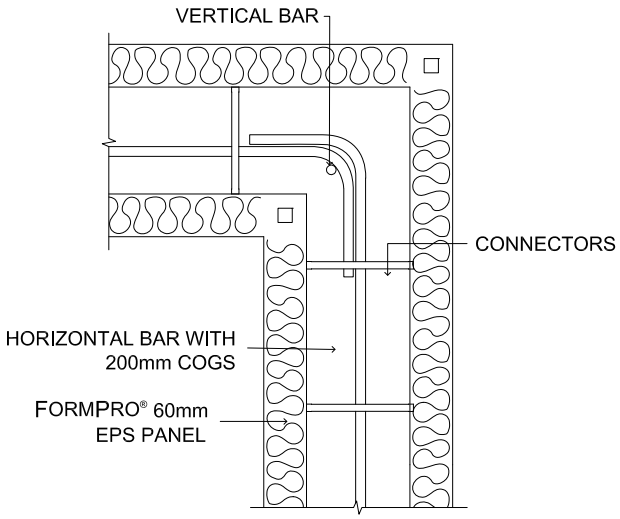

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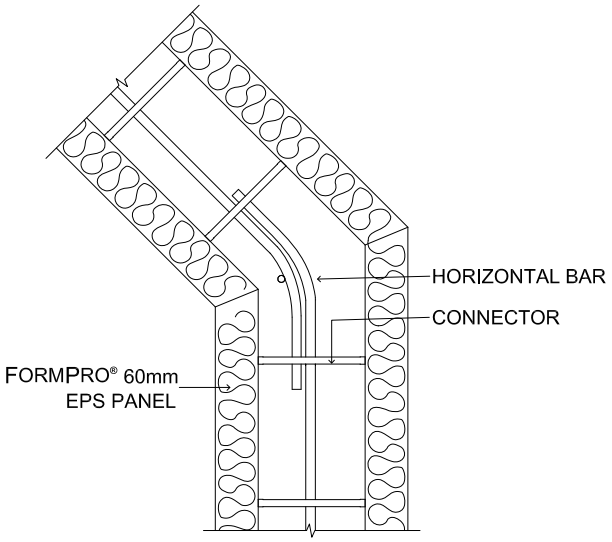

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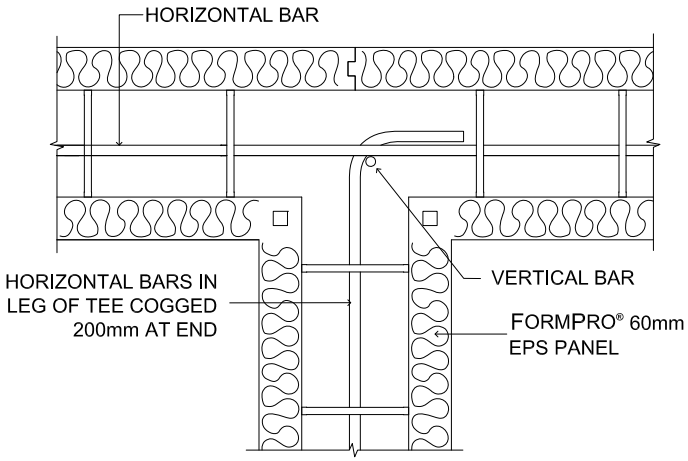

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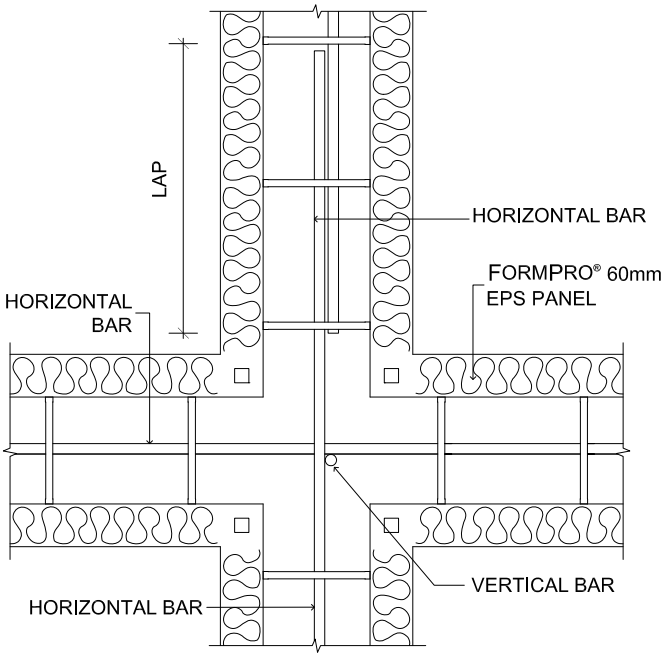

FORMPRO® TYPICAL CROSS JUNCTION

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FORMPRO EE WALL
JUNCTION DETAILS

DRAWING NO. FP-EE 02.0

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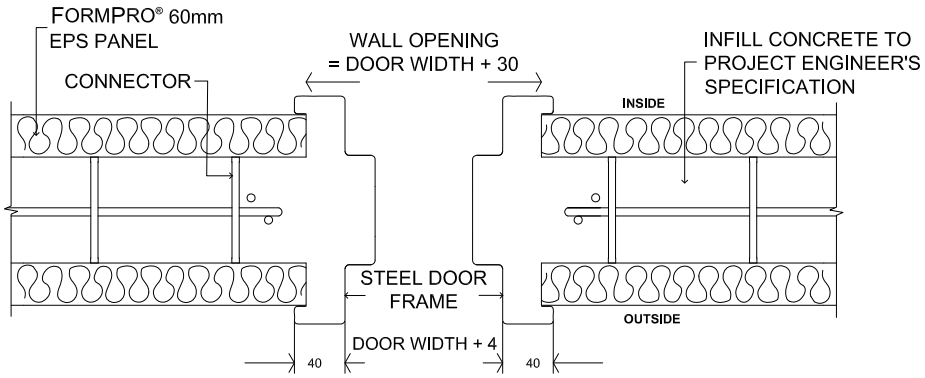

FORMPRO® EXTERNAL FIT
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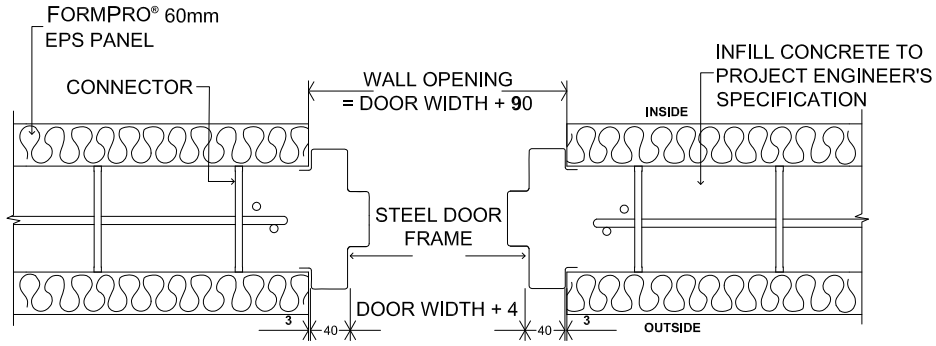

FORMPRO® INTERNAL FIT
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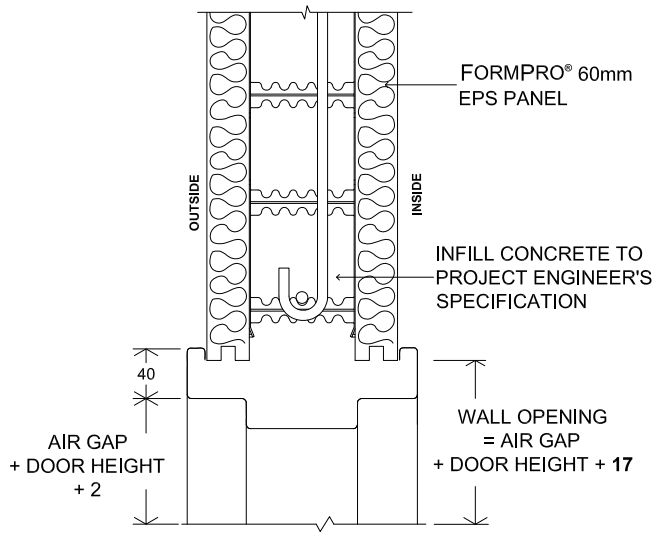

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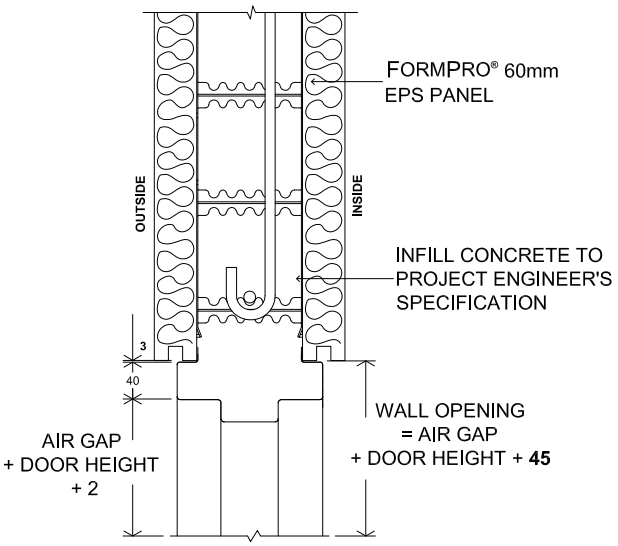

FORMPRO® INTERNAL FIT
FIRE DOOR SUBFRAME

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FORMPRO EE WALL DOOR FRAME DETAILS

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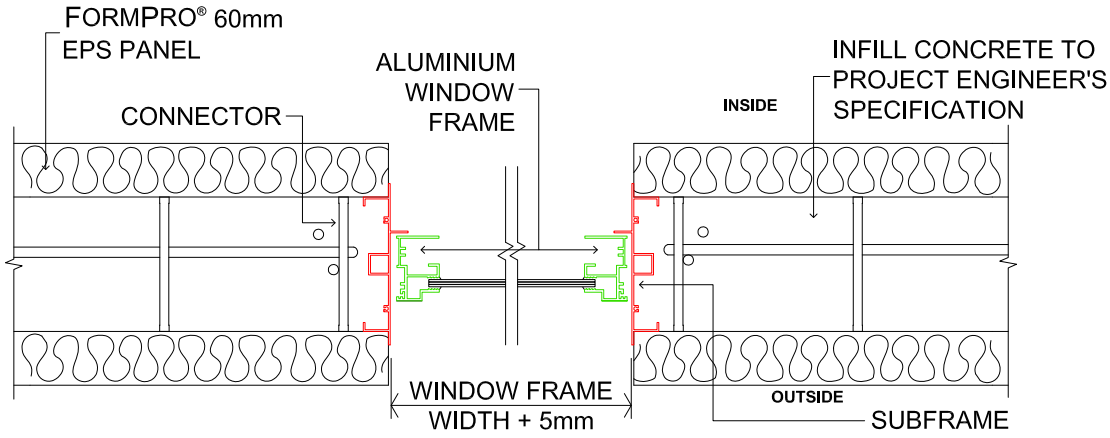
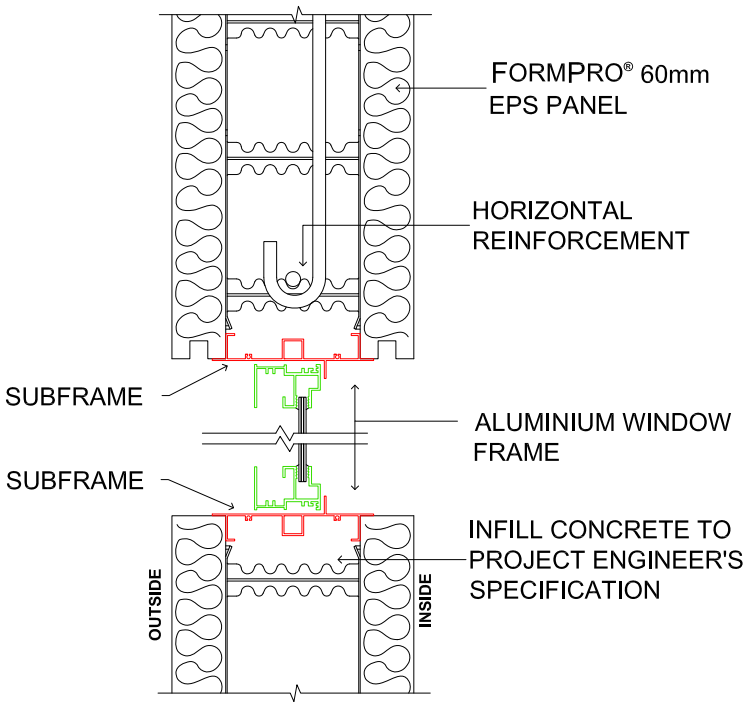


FORMPRO® ALUMINIUM WINDOW IN LINED REVEAL



FORMPRO® ALUMINIUM WINDOW DETAIL

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FORMPRO EE WALL
WINDOW SUBFRAMES

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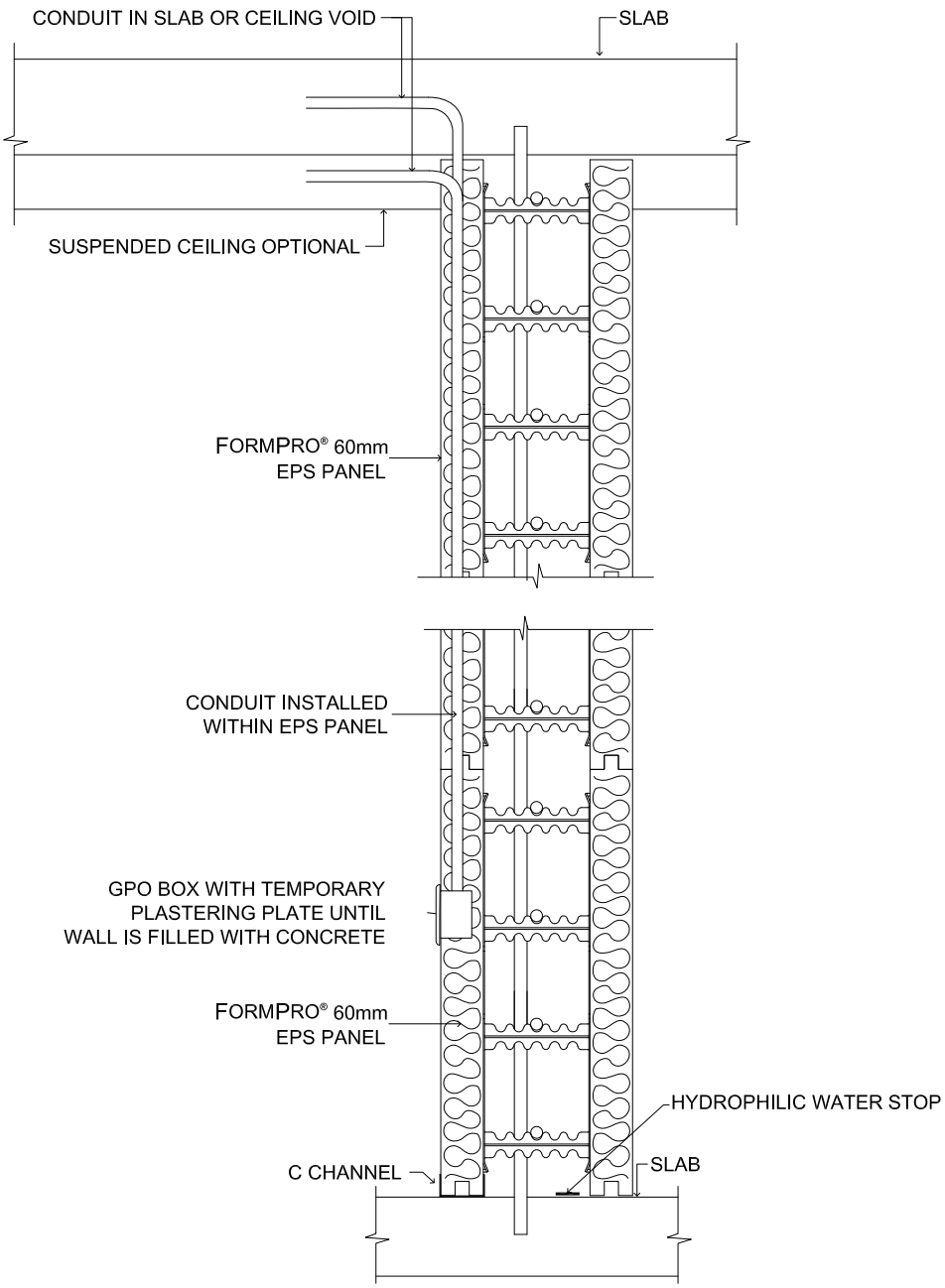
ISSUE B



FORMPRO® INSTALLATION OF ELECTRICAL SERVICES

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FORMPRO EE WALL
ELECTRICAL SERVICES

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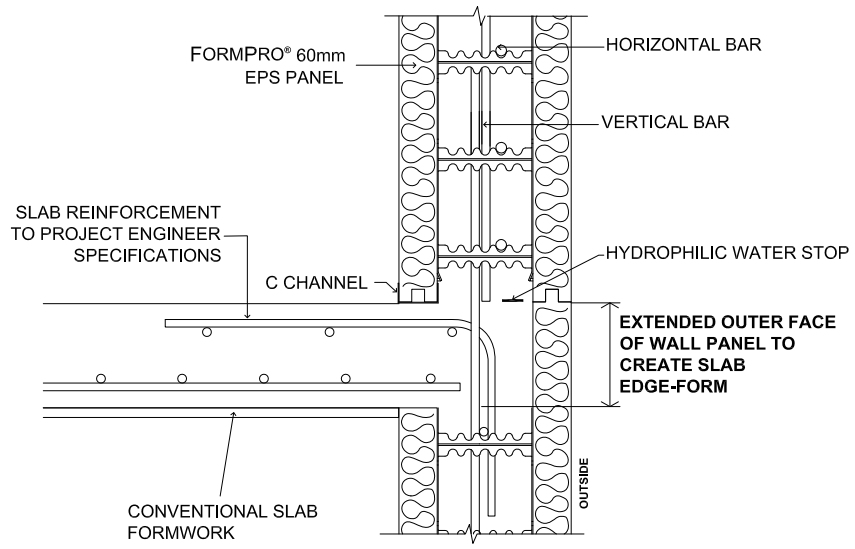
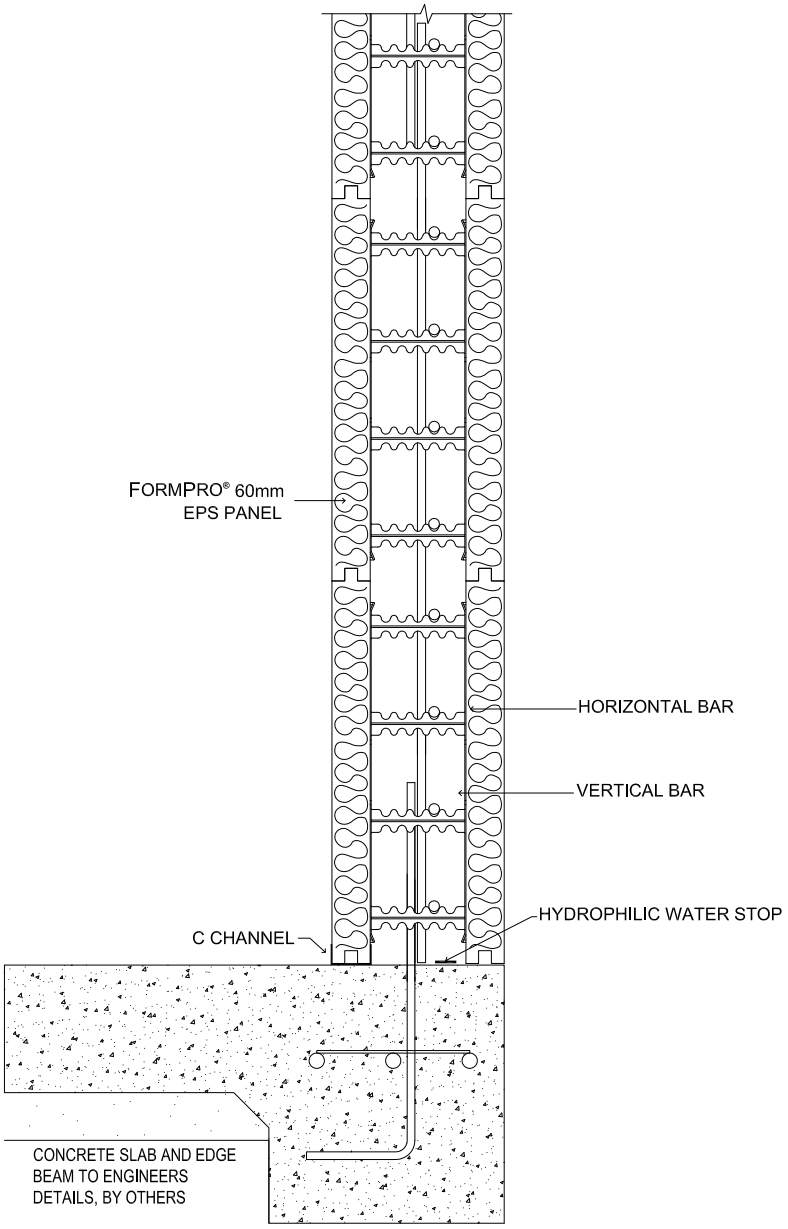
FP-EE 05.0	B





FORMPRO® TYPICAL WALL JUNCTIONS

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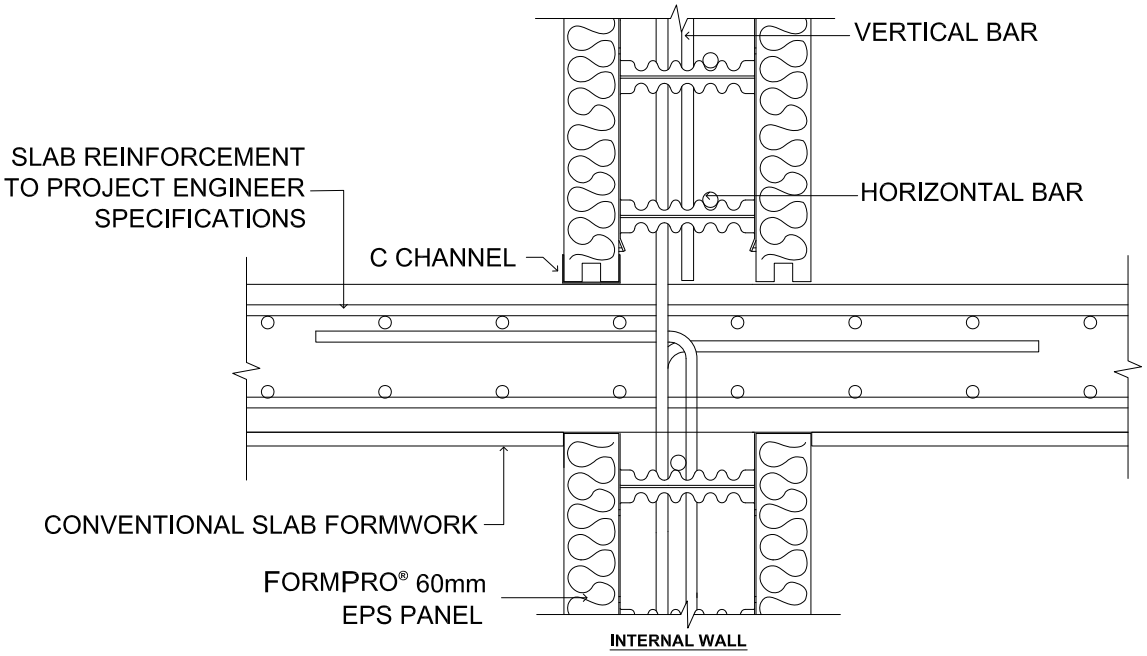
FORMPRO EE WALL

TYPICAL SLAB JUNCT. 1

DRAWING NO. FP-EE 06.0

ISSUE B



FORMPRO® TYPICAL WALL JUNCTIONS

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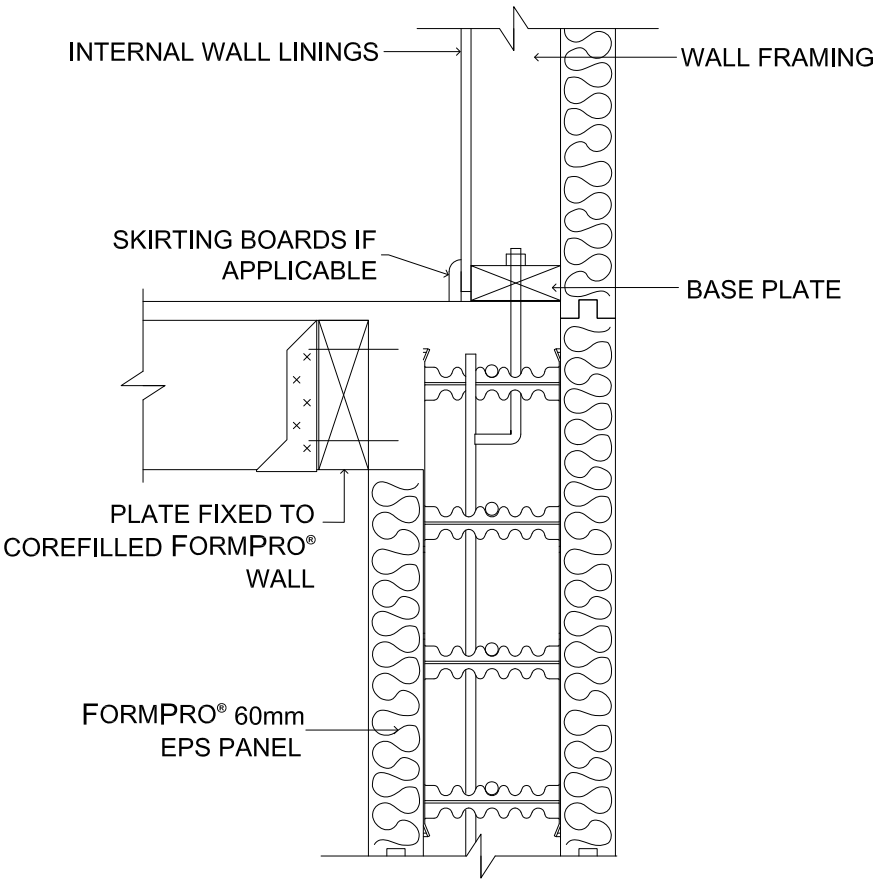
FORMPRO EE WALL

TYPICAL SLAB JUNCT. 2

DRAWING NO. FP-EE 07.0

ISSUE B



FORMPRO® TYPICAL LIGHT FLOOR JUNCTION

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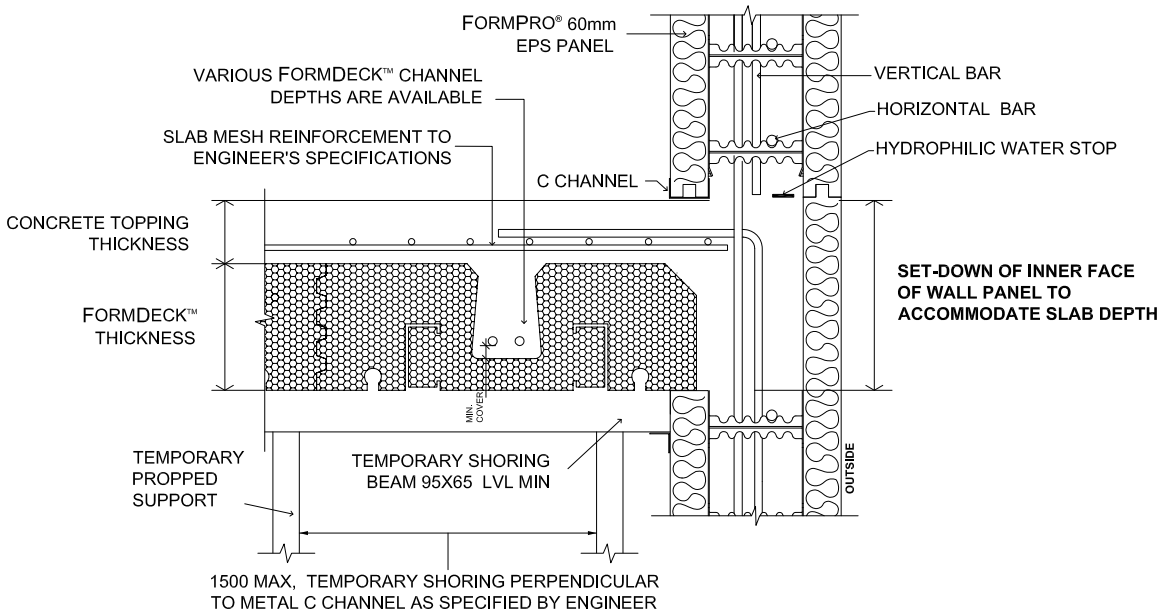
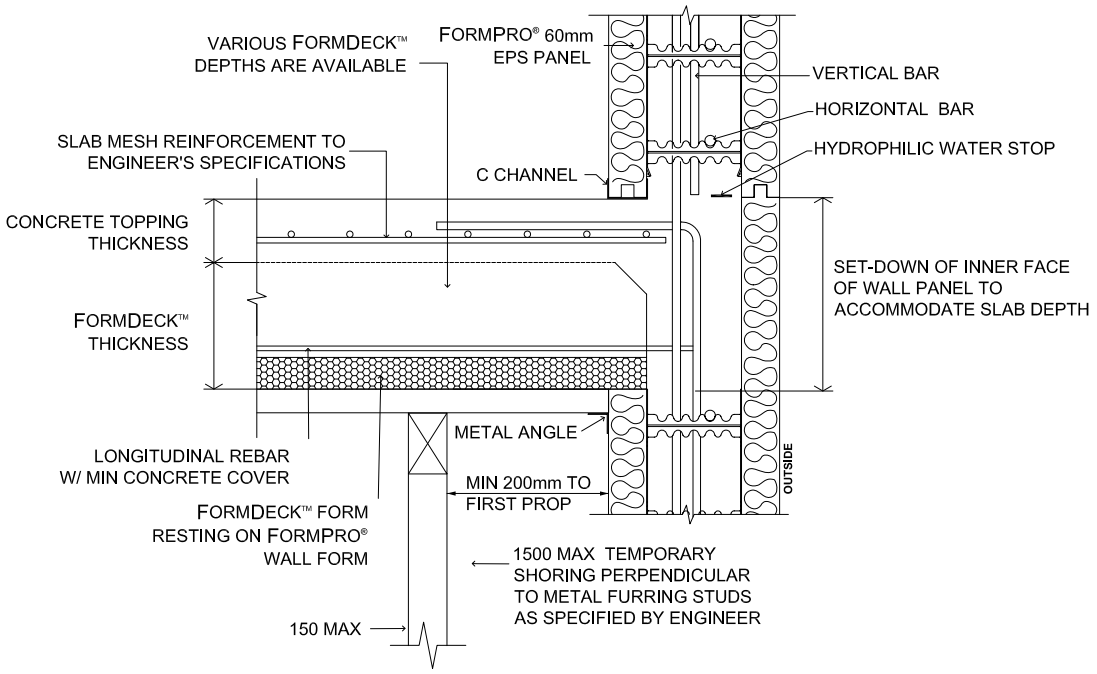
FORMPRO EE WALL TYP.
LIGHT FLOOR JUNCTION

DRAWING NO.	ISSUE
FP-EE 08.0	B



FORMPRO® TYPICAL WALL JUNCTION FOR FORMDECK™ SLAB (TRANSVERSE SECTION)



FORMPRO® TYPICAL WALL JUNCTION FOR FORMDECK™ SLAB (LONGITUDINAL SECTION)

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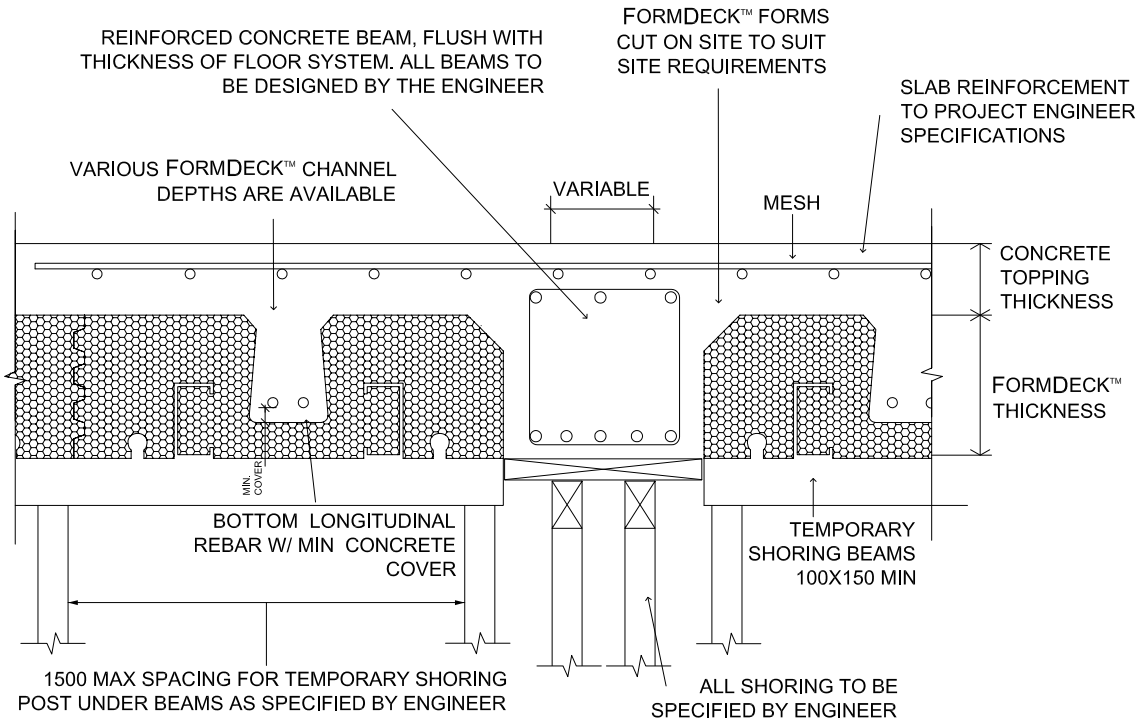
FORMPRO EE WALL
FORMDECK SLAB JUNCT.

DRAWING NO.	ISSUE
FP-EE 09.0	B



FORMDECK™ FLUSH CONCRETE BEAM (TRANVERSE SECTION)

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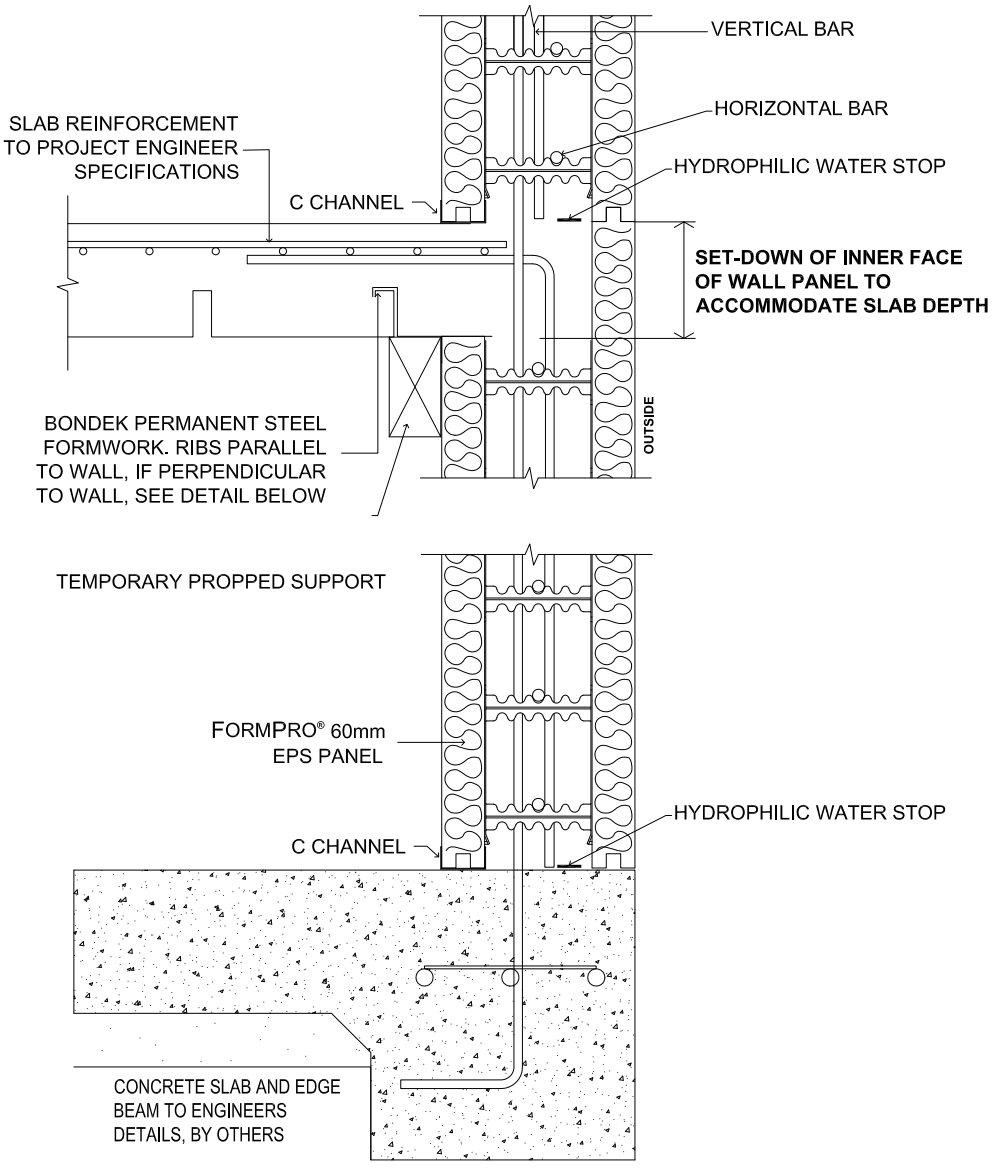
FORMDECK FLUSH CONC.
BEAM DETAILS

DRAWING NO.	ISSUE
FP-EE 10.0	B



FORMPRO® TYPICAL WALL JUNCTIONS FOR BONDEK SLABS

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FORMPRO EE WALL
BONDEK SLAB JUNCTION

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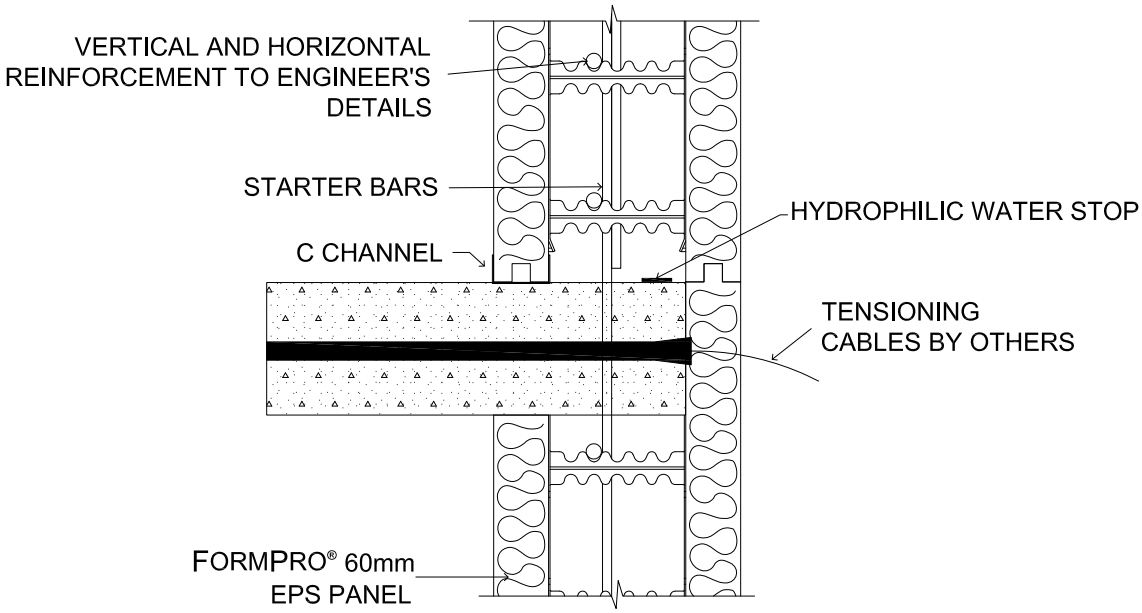
ISSUE B



FORMPRO® POST TENSION DETAIL

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FORMPRO EE WALL
POST-TENSION SLAB

DRAWING NO.	ISSUE
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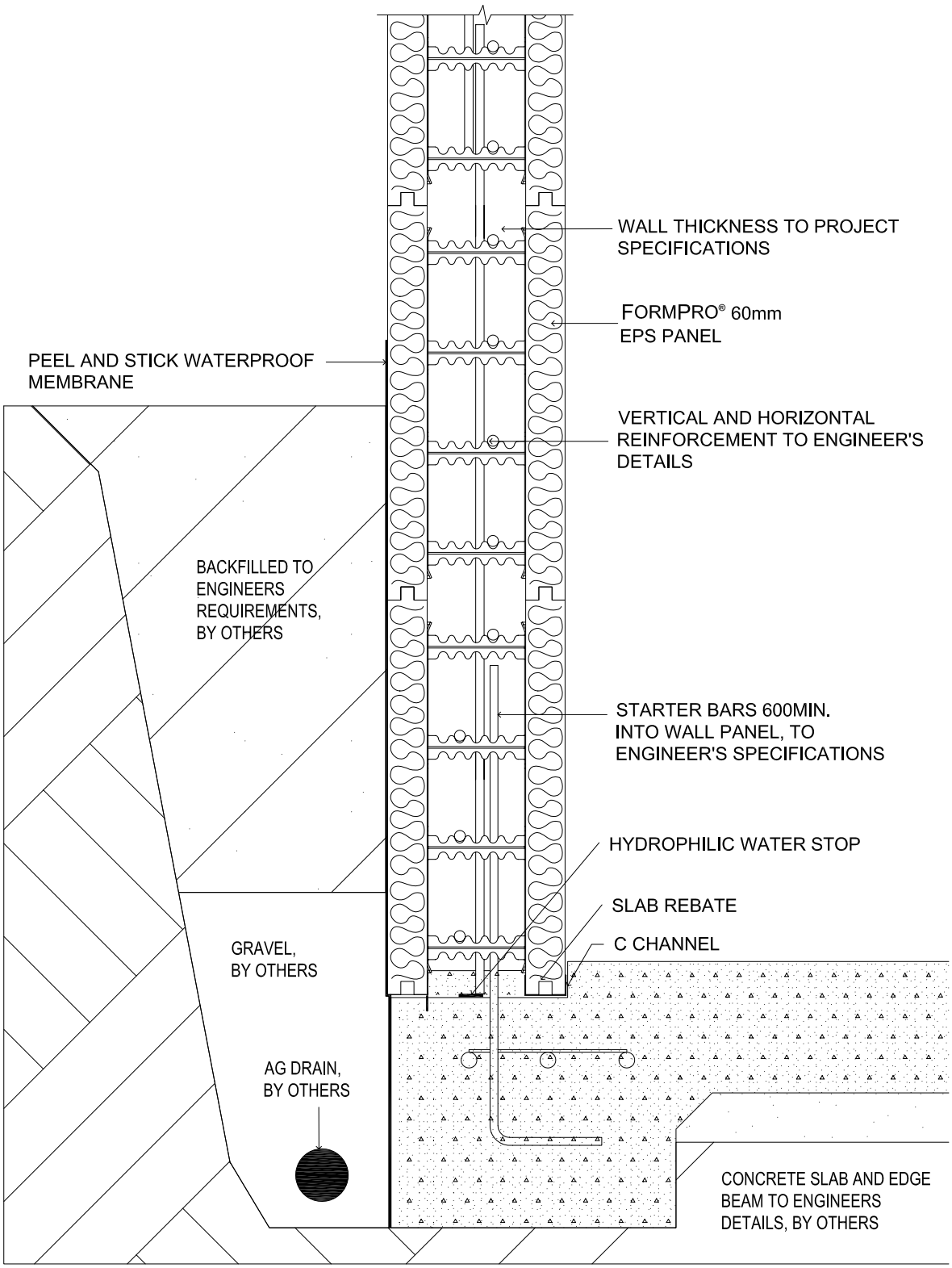

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FORMPRO EE WALL
RETAINING WALL DETAILS

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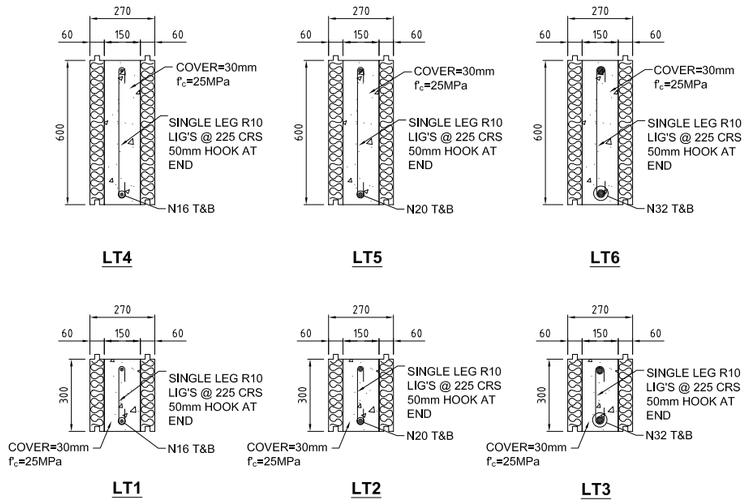
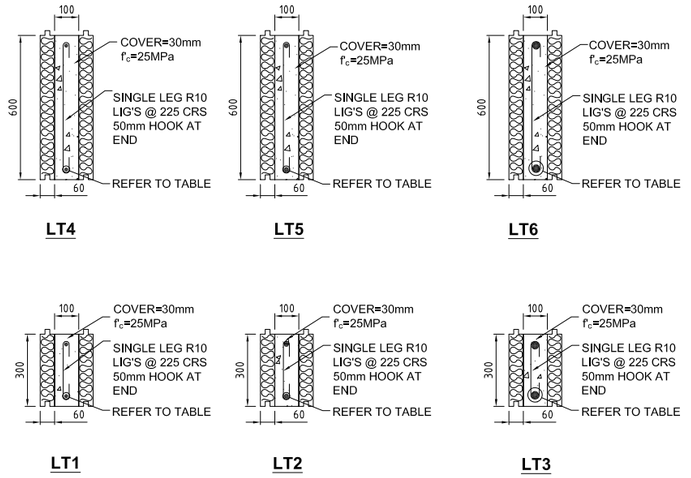


FORMCRAFT LINTELS - EE270 MODULE

Typical EE220 Module Formcraft Lintel Spans (mm) *R10 ligs @ 225 centres

Load Being Supported	Lintel Type	Lintel Thickness	Lintel Depth	Reo T&B	Max Span	Limiting Criteria	Midspan Length No Ligs Required
Light Roof Only	LT1	112	300	N16	3890	Movement Capacity	1570
	LT2	112	300	N20	4740	Movement Capacity	1820
	LT3	112	300	N32	6090	Serviceability	2460
	LT4	112	600	N16	5680	Movement Capacity	1900
	LT5	112	600	N20	7020	Movement Capacity	2200
	LT6	112	600	N32	9290	Serviceability	3020
Framed Wall & Light Roof	LT1	112	300	N16	3170	Movement Capacity	1040
	LT2	112	300	N20	3870	Movement Capacity	1210
	LT3	112	300	N32	4630	Serviceability	1640
	LT 4	112	600	N16	4700	Movement Capacity	1300
	LT5	112	600	N20	5810	Movement Capacity	1500
	LT6	112	600	N32	7270	Serviceability	2060
ICF Wall & Light Roof	LT1	112	300	N16	1970	Movement Capacity	400
	LT2	112	300	N20	2360	Serviceability	470
	LT3	112	300	N32	2660	Shear Capacity	630
	LT4	112	600	N16	2980	Movement Capacity	520
	LT5	112	600	N20	3680	Movement Capacity	600
	LT6	112	600	N32	4670	Shear Capacity	830

- Ku for LT3>0.36 therefore a lower ϕ factor is used
- f'_c = 25 M pa
- Span/300 deflection limit with max allowable deflection – 15mm.
- Load width for actions from roof and suspended slab – 3m.
- Wind loading – N3/C1
- Live floor load 1.5kPa



FORMCRAFT LINTELS - EE220 MODULE

Maximum Formcraft Lintel Span (mm)

Shear Reinforcement Provided			Supporting Light Frame Roof Only		Supporting Light Frame 2nd Storey & Roof		Supporting ICF 2nd Storey & Light Framed Roof	
Formcraft Type	Lintel Thickness	Lintel Depth	N12	N16	N12	N16	N12	N16
EE220	100	300	3030	3900	2470	3180	1540	1980
	100	600	4320	5680	3570	4700	2260	2980
	100	900	5180	6840	4330	5720	2790	3690
EE270	150	300	3040	3890	2500	3190	1490	1900
	150	600	4210	5510	3530	4610	2150	2820
	150	900	4940	6510	4200	5540	2630	3470
EE320	200	300	3040	3870	2510	3200	1440	1830
	200	600	4090	5350	3460	4520	2050	2680
	200	900	4740	6230	4080	5370	2490	3280

- Linear interpolation is permitted between lintel depths of similar Formcraft type.
- Bar Designation refers to bottom reinforcement.
- All top bars N12
- f'_c = 25 Mpa
- Span/300 deflection limit with max allowable deflection – 15mm.
- Load width for actions from roof and suspended slab – 3m.
- Wind loading – N3/C1
- Minimum Shear reinforcement: 300 deep lintel – R10 ligs @ 200mm cts
  600 deep lintel – R10 ligs @ 300mm cts
  900 deep lintel – R10 ligs @ 300mm cts

NOTE: DETAILS ARE FOR GENERAL GUIDANCE ONLY AND DO NOT REPLACE THE SERVICES OF A PROFESSIONAL CONSULTANT ON SPECIFIC PROJECTS.

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ISSUE	DATE	SUBJECT	INIT.
B	15.01.18	ISSUED FOR INFORMATION	RK
A	06.08.13	ISSUED FOR INFORMATION	BC

FORMCRAFT
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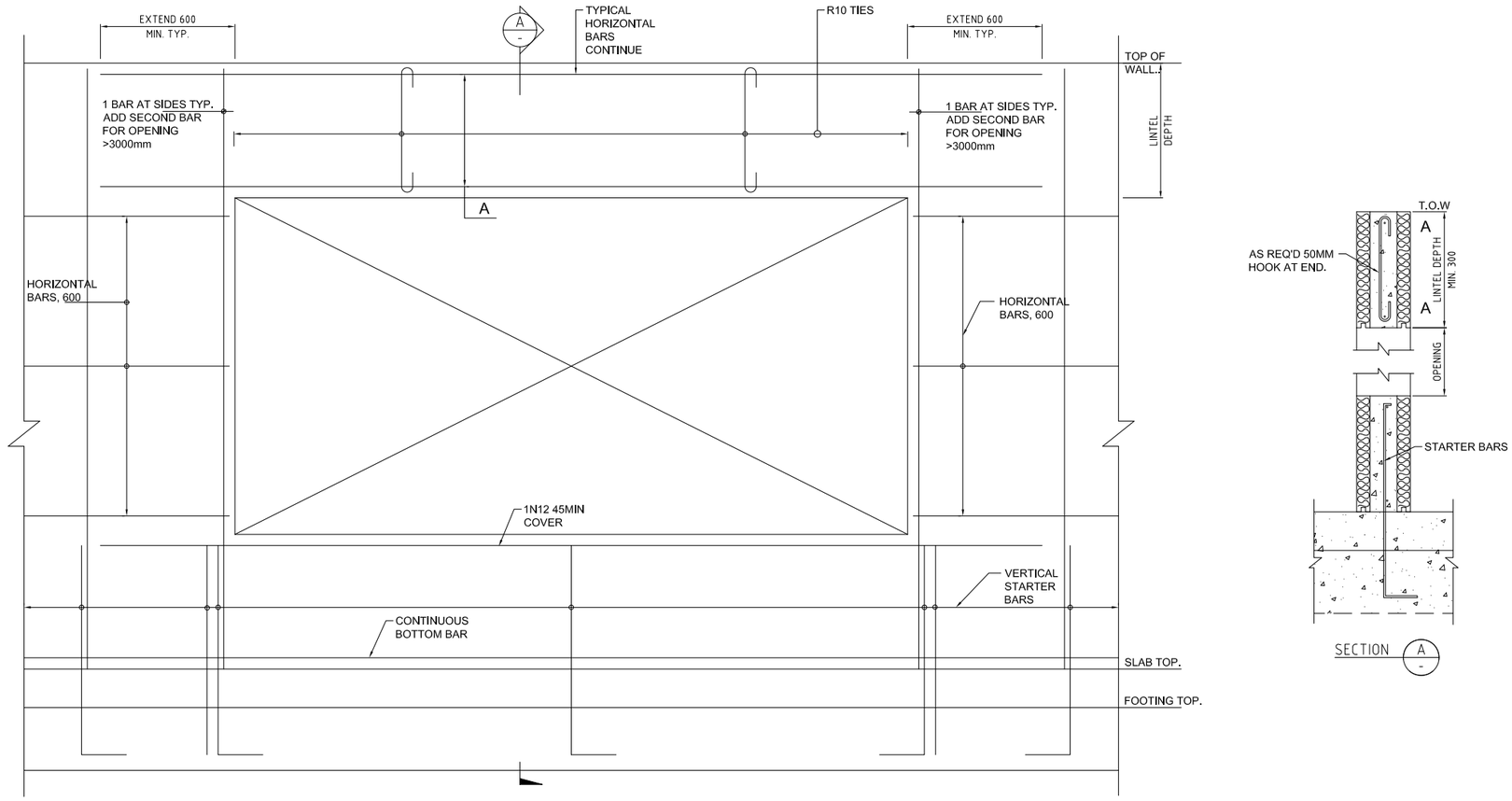
FORMPRO TYPICAL

LINTEL DETAILS

DRAWING NO. FP-EE 14.0

ISSUE B



TYPICAL FORMCRAFT WALL OPENING DETAIL

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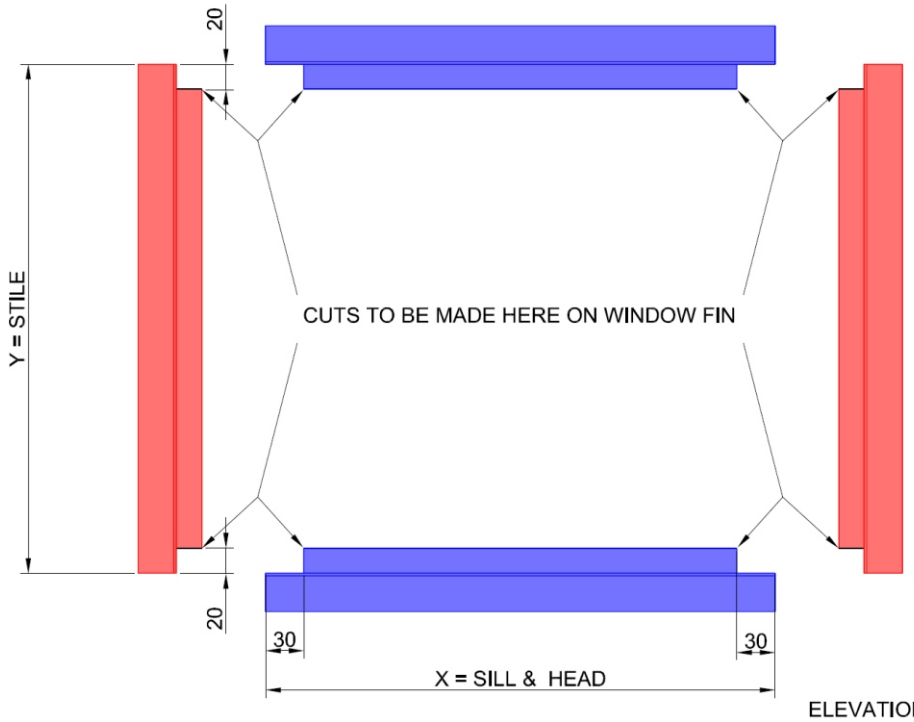
OPENING DETAILS

DRAWING NO. FP-EE 15.0

ISSUE B

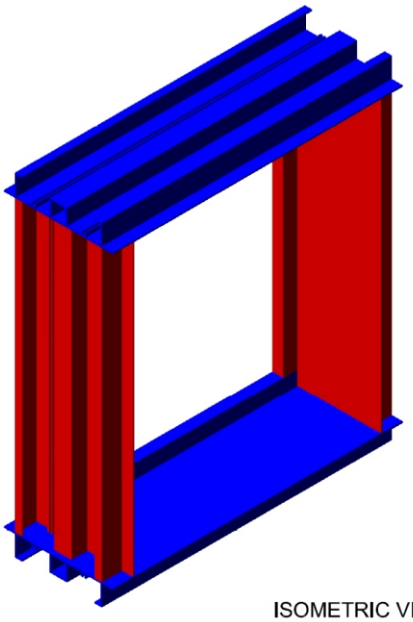


ELEVATION VIEW

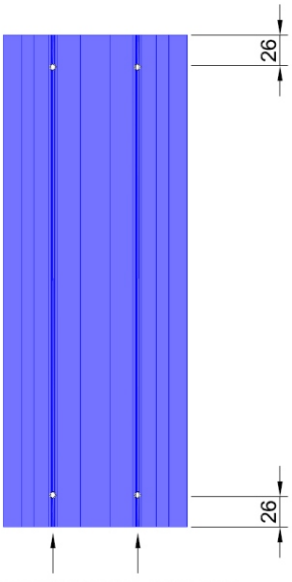
CUT LENGTHS

Y = HEIGHT OF WINDOW OPENING

X = WIDTH OF WINDOW OPENING + 60MM



ISOMETRIC VIEW



SCREW FLUTE CHANNEL

NOTE: SILL AND HEAD ONLY
DRILL HOLE LOCATIONS THROUGH SCREW FLUTE CHANNEL.
5.5mm DRILL HOLE
8G x 30mm SELF TAPPING PANHEAD SCREWS

FORMCRAFT
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SUB FRAME CONSTRUCTION

SCALE:	APPROVED BY:	DRAWN BY:
DATE:		REVISED:

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MODEL NUMBER:
SUB - 1