# MAXSPAN.

# STRUCTURAL DRAWING LIST 9092

DWG No.	TITLE		
S.01	TABLES		0
S.02	FLOOR LAYOUT AND CROSS SECTIONS		0
S.03	FLOOR LAYOUT AND CROSS SECTIONS		0
S.04	FLOOR LAYOUT AND CROSS SECTIONS		0
S.05	FLOOR LAYOUT AND CROSS SECTIONS		0
ISSUED TO:			
	henry@maxraft.co.nz		0
		DATE	19-04-2018

**TABLE 1** MAXPAN FLOOR SYSTEM DESIGNED TO IMPOSED FLOOR ACTION OF A SELF-CONTAINED DWELLING WITH 1.5kPa OR 1.8kN LOAD AS PER AS/NZS 1170.1

RIB DEPTH (mm)	250	300	350	400	450
RIB WIDTH (mm)	120	120	120	120	120
POLYSTYRENE FORMWORK DEPTH (mm)	150	200	250	300	350
RIB REINFORCEMENT					
TOP BAR	HD12	HD12	HD12	HD12	HD12
BOTTOM BAR	HD20	HD20	HD25	HD25	HD25
LINK	R6	R6	R6	R6	R6
LINK SPACING (mm)	125	125	150	175	200
RIB SPACING (m)	RIB SPAN (m)	RIB SPAN (m)	RIB SPAN (m)	RIB SPAN (m)	RIB SPAN (m)
RIB SPACING (m)					
. ,	(m)	(m)	(m)	(m)	(m)
900	(m) 3.8	(m) 4.5	(m) 5.3	(m) 5.9	(m) 6.5
900 1000	(m) 3.8 3.7	(m) 4.5 4.3	(m) 5.3 5.1	(m) 5.9 5.7	(m) 6.5 6.3
900 1000 1100	(m) 3.8 3.7 3.6	(m) 4.5 4.3 4.2	5.3 5.1 5.0	(m) 5.9 5.7 5.6	(m) 6.5 6.3 6.1

**TABLE 3** MAXPAN FLOOR SYSTEM DESIGNED TO IMPOSED FLOOR ACTION OF A LIGHT-VEHICLE TRAFFIC AREA WITH 2.5kPa OR 13kN LOAD AS PER AS/NZS 1170.1

RIB DEPTH (mm)	275	325	375	425	475
RIB WIDTH (mm)	120	120	120	120	120
POLYSTYRENE FORMWORK DEPTH (mm)	150	200	250	300	350
RIB REINFORCEMENT					
TOP BAR	HD12	HD12	HD12	HD12	HD12
BOTTOM BAR	HD20	HD20	HD25	HD25	HD25
LINK	R6	R6	R6	R6	R6
LINK SPACING (mm)	125	125	150	175	200
RIB SPACING (m)	RIB SPAN (m)				
600	3.5	4.2	5.2	5.9	6.5
700	3.4	4.1	5.1	5.7	6.3
800	3.3	4.0	4.9	5.6	6.2
900	3.2	3.9	4.8	5.4	6.0

### **TABLE 2** MAXPAN FLOOR SYSTEM DESIGNED TO IMPOSED FLOOR ACTION OF A SELF-CONTAINED DWELLING WITH 2.0kPa OR 2.7kN LOAD AS PER AS/NZS 1170.1

RIB DEPTH (mm)	250	300	350	400	450
RIB WIDTH (mm)	120	120	120	120	120
POLYSTYRENE FORMWORK DEPTH (mm)	150	200	250	300	350
RIB REINFORCEMENT					
TOP BAR	HD12	HD12	HD12	HD12	HD12
BOTTOM BAR	HD20	HD20	HD25	HD25	HD25
LINK	R6	R6	R6	R6	R6
LINK SPACING (mm)	125	125	150	175	200
RIB SPACING (m)	RIB SPAN (m)				
900	3.7	4.3	5.2	5.8	6.4
1000	3.6	4.2	5.0	5.6	6.2
1100	3.5	4.1	4.9	5.4	6.0
1200	3.4	3.9	4.7	5.3	5.8
1300	3.3	3.8	4.6	5.2	5.7
1400	3.2	3.7	4.5	5.0	5.5

#### GENERAL NOTES:

- REINFORCED SLAB AND RIB TO BE FORMED IN A SINGLE POUR USING A CONCRETE MIX WITH A 28 DAY STRENGTH OF 30MPa.
- SERVICE LIMIT STATE SHORT-TERM DEFLECTION IS LIMITED TO SPAN/500 AND TOTAL LONG TERM DEFLECTION IS LIMITED TO SPAN/300
- 3. DESIGN OF REINFORCED CONCRETE OF MASONRY WALL SUPPORTING THE MAXSPAN FLOOR SYSTEM IS BY OTHERS.
- DESIGN OF PROPS, SCAFFOLDS, SHUTTERS, FORMWORKS, ETC. DURING CONSTRUCTION IS BY OTHERS.

**CONSTRUCTION ISSUE** 

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PROJECT TITLE MAXSPAN.

TABLES.

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 0
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 19-04-2018
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 9092

 DRAWN.
 SCALE @ A3

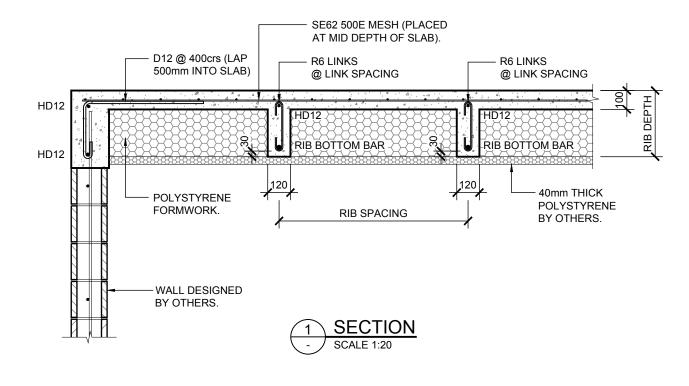
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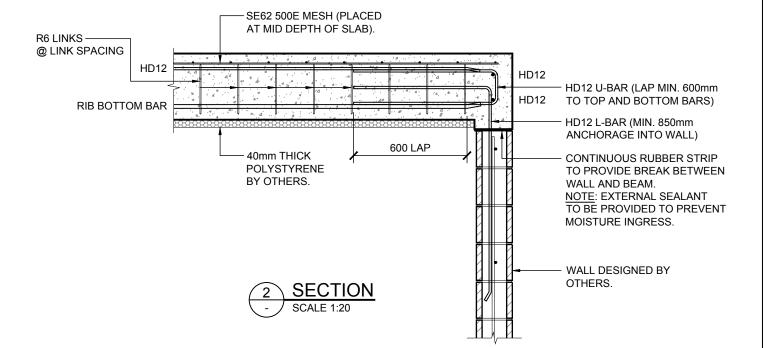
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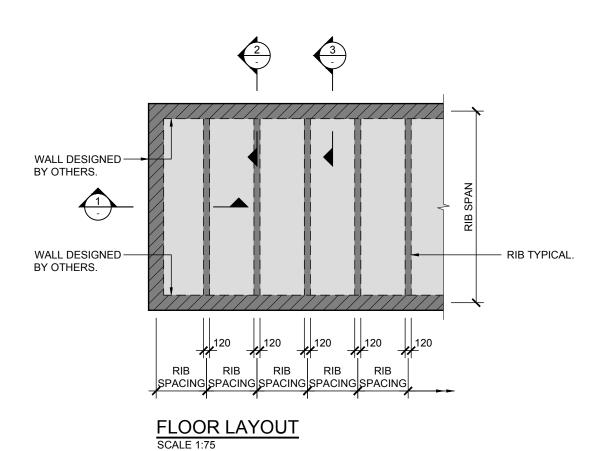
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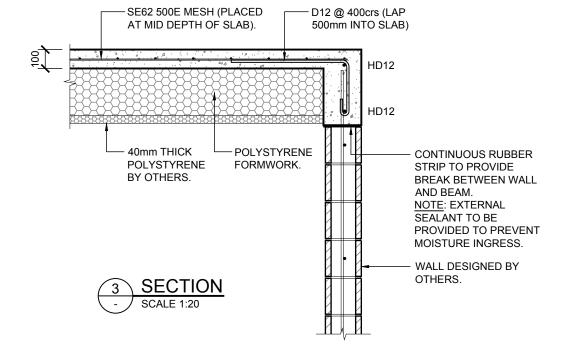
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DETAILS SHOWN ON THIS PAGE REFER
TO THE MAXSPAN SUSPENDED FLOOR
SYSTEM DESIGNED TO IMPOSED
FLOOR ACTION OF A SELF-CONTAINED
DWELLING (REFER TO TABLES 1 & 2)
SUPPORTED ON A REINFORCED
MASONRY WALL (BY OTHERS).









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FLOOR LAYOUT AND CROSS SECTIONS.

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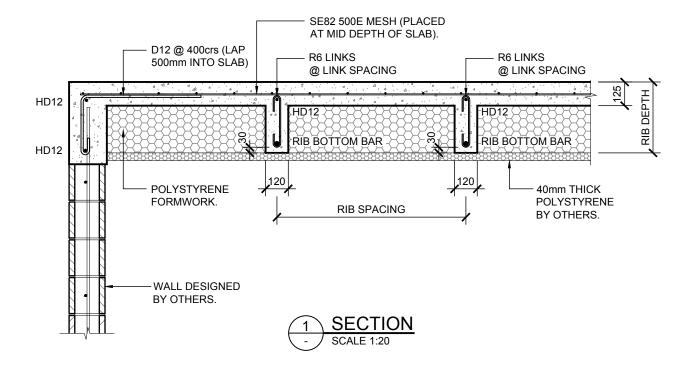
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 SCALE @ A3

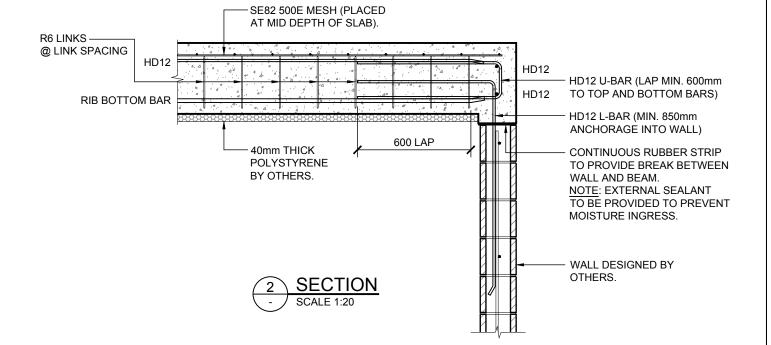
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 1:20

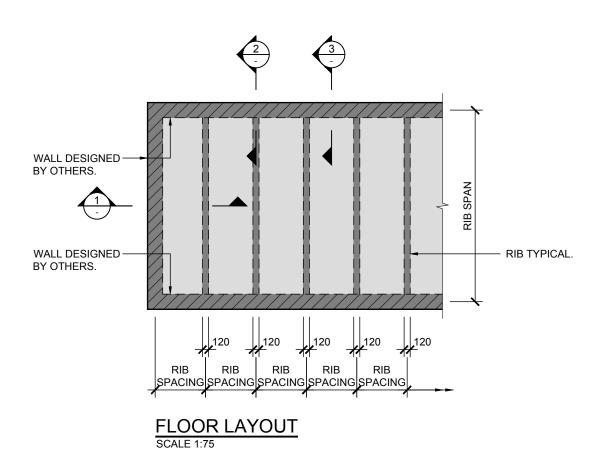
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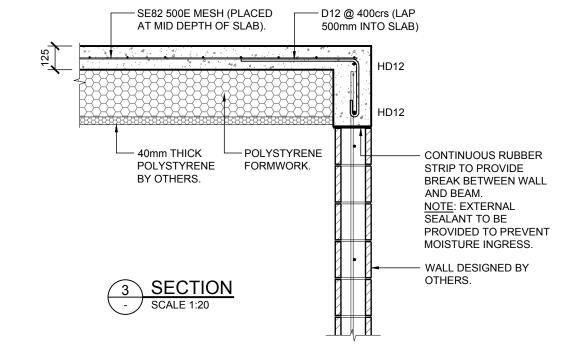
 $\mathsf{C}$ 

DETAILS SHOWN ON THIS PAGE REFER TO THE MAXSPAN SUSPENDED FLOOR SYSTEM DESIGNED TO IMPOSED FLOOR ACTION OF A LITE-VEHICLE TRAFFIC AREA (REFER TO TABLE 3) SUPPORTED ON A REINFORCED MASONRY WALL (BY OTHERS).









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MAXSPAN.

FLOOR LAYOUT AND CROSS SECTIONS.

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0	V.M.	19-04-2018	ISSUED FOR CONSTRUCTION	P.A.	9092
				DRAWN.	SCALE @ A3
				V.M.	1:20

S.03

**CONSTRUCTION ISSUE** 

HD12

D12 @ 400crs (LAP 500mm INTO SLAB)

HD12

HD12

SE62 500E MESH (PLACED

600 LAP

-POLYSTYRENE

FORMWORK.

AT MID DEPTH OF SLAB).

40mm THICK

BY OTHERS.

POLYSTYRENE

**SECTION** 

SE62 500E MESH (PLACED AT MID DEPTH OF SLAB).

40mm THICK

BY OTHERS.

**POLYSTYRENE** 

**SECTION** 

DETAILS SHOWN ON THIS PAGE REFER TO THE MAXSPAN SUSPENDED FLOOR SYSTEM DESIGNED TO IMPOSED FLOOR ACTION OF A SELF-CONTAINED DWELLING (REFER TO **TABLES 1 & 2**) SUPPORTED ON A POLY BLOCK WALL (BY OTHERS).

> HD12 U-BAR (LAP MIN. 600mm TO TOP AND BOTTOM BARS)

CONTINUOUS RUBBER STRIP

NOTE: EXTERNAL SEALANT TO BE PROVIDED TO PREVENT

CONTINUOUS RUBBER STRIP

BETWEEN WALL AND BEAM. NOTE: EXTERNAL SEALANT TO BE PROVIDED TO PREVENT MOISTURE

TO PROVIDE BREAK

POLY BLOCK WALL DESIGNED BY OTHERS.

INGRESS.

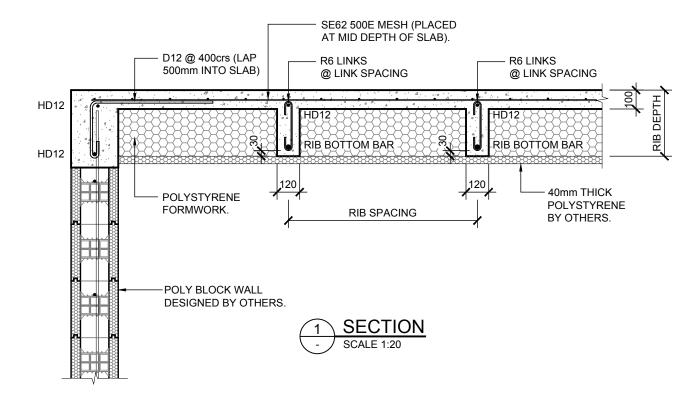
TO PROVIDE BREAK BETWEEN

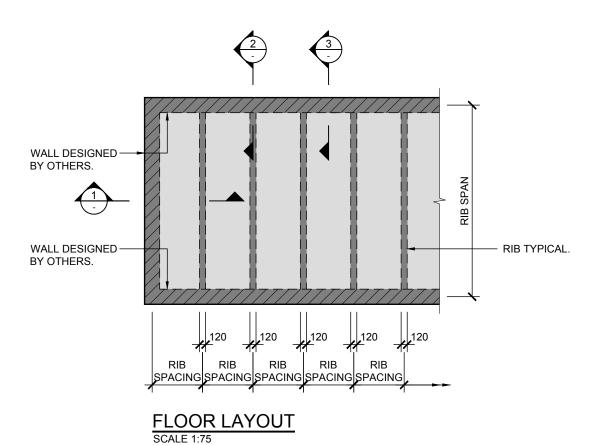
HD12 L-BAR (MIN. 850mm ANCHORAGÈ INTO WALL)

WALL AND BEAM.

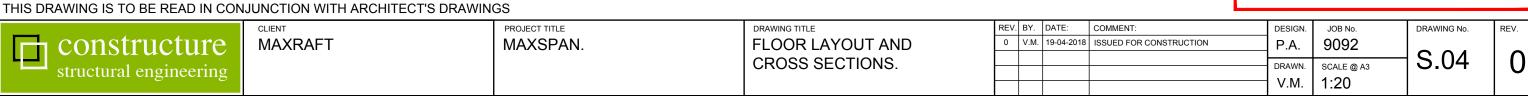
MOISTURE INGRESS.

POLY BLOCK WALL DESIGNED BY OTHERS.





**CONSTRUCTION ISSUE** DESIGN. JOB No.

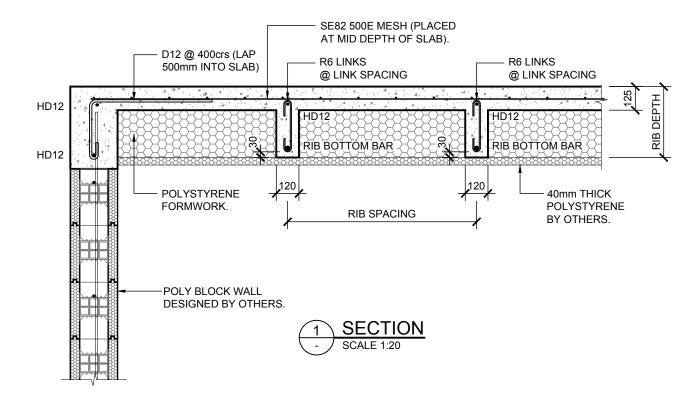


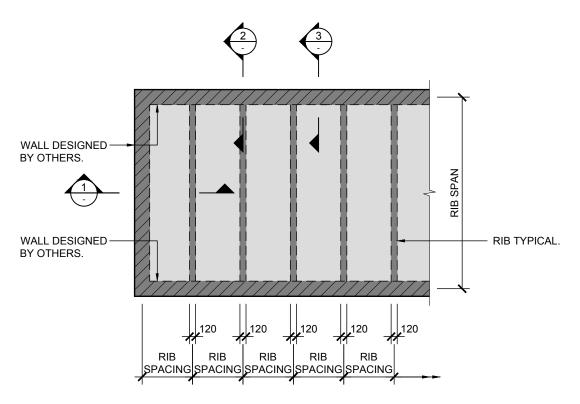
R6 LINKS -@ LINK SPACING

HD12

**RIB BOTTOM BAR** 

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SUPPORTED ON A POLY BLOCK WALL
(BY OTHERS).





# FLOOR LAYOUT SCALE 1:75

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				V/M	1.2

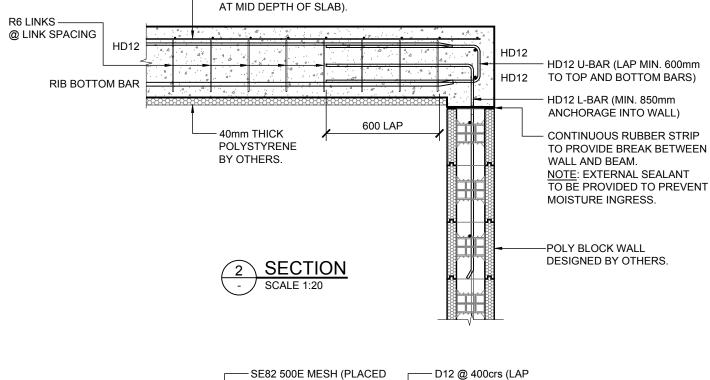
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DP2

LE @ A3

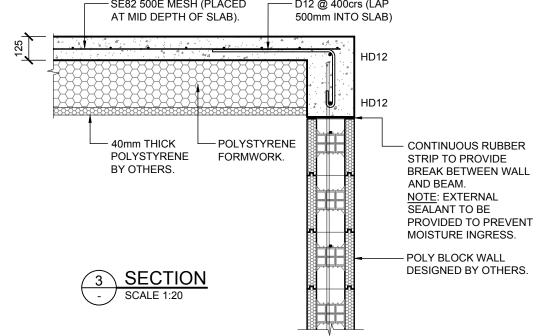
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DRAWING No.





SE82 500E MESH (PLACED



# **CONSTRUCTION ISSUE**