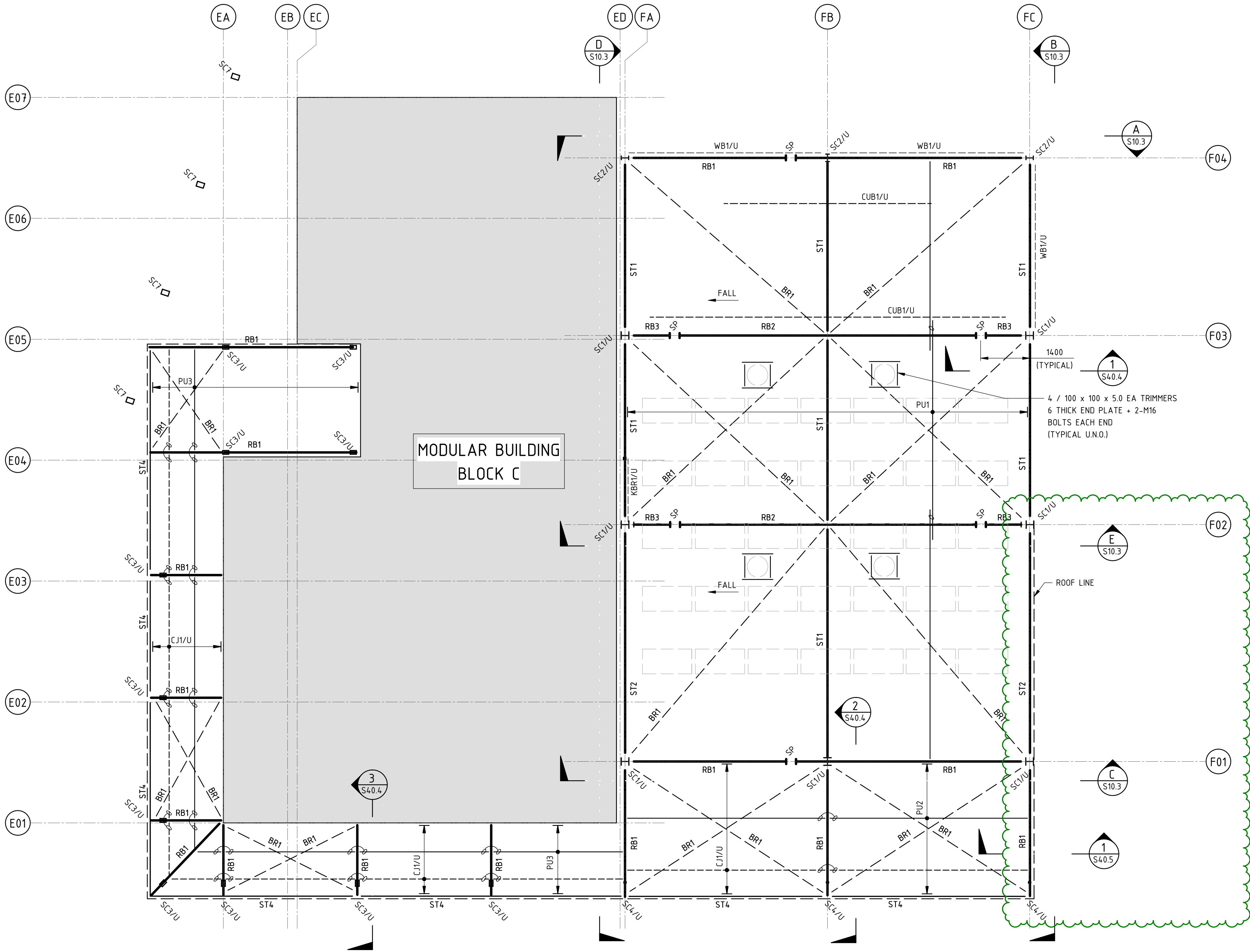




COMMUNAL HALL ROOF FRAMING PLAN

- HALL ROOF MAX ALLOWABLE SOLAR PANEL WEIGHT IS TO BE 15kg/m².
- FLY BRACE RAFTERS AT EVERY SECOND PURLIN.
- LAP PURLINS 15% OF SPAN OVER RAFTERS (TYPICAL).
- SUB-FRAMING OF TOP HATS & RAISED CEILING SUPPORTS BY OTHERS.
- ALL EXTERNAL STEELWORK TO BE GALVANISED.

COLUMN SCHEDULE		
MARK	SIZE	COMMENT(S)
CONCRETE		
CC1	450 DIAMETER	10-N16 VERTICAL BARS WITH N12 TIES-300 CTS
CC2	200 x 1600	N16 VERTICAL BARS-200 CTS WITH N12 TIES-300 CTS
CC3	450 x 1600	N16 VERTICAL BARS-200 CTS WITH N12 TIES-300 CTS

STEEL		
DC1	100 x 100 x 5.0 SHS	DOOR COLUMN
SC1	310 UC 96.8	
SC2	310 UB 32.0	
SC3	250 x 150 x 9.0 RHS	
SC4	101.6 DIAMETER x 3.2 CHS	
SC5	200 x 200 x 5.0 SHS	
SC6	300 x 200 x 6.0 RHS	
SC7	300 x 200 x 8.0 RHS	

STEEL MEMBER SCHEDULE		
MARK	SIZE	COMMENT(S)
BEAM		
CUB1	150 PFC	CURTAIN BEAM
DH1	310 UB 32.0	DOOR HEADER, LAID FLAT
LB1	150 UC 23.4	LIFT BEAM
WS1	200 x 150 x 5.0 RHS	SHOP WELD 400 WIDE 10 THICK PLATE TO TOP OF WALL STIFFENER
WS2	250 x 150 x 8.0 RHS	SHOP WELD 400 WIDE 10 THICK PLATE TO TOP OF WALL STIFFENER
WS3	150 x 150 x 5.0 SHS	SHOP WELD 75 x 75 x 5.0 EA AT 300 CTS

BRACING		
BR1	75 x 75 x 5 EA	ROOF BRACING
BR2	16 DIAMETER ROD + GRADE P TURNBUCKLE MIN SWL 1.0t	ROOF BRACING
KBR1	125 x 125 x 5.0 SHS	WALL K-BRACE
WB1	75 x 75 x 6.0 EA	WALL BRACING
WB2	16 DIAMETER ROD + GRADE P TURNBUCKLE MIN SWL 1.0t	WALL BRACING

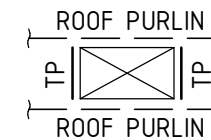
PURLIN		
CJ1	SZ200 19-1200 CTS	CEILING JOIST, 2 ROWS BRIDGING AT THIRD POINTS
CJ2	SC150 15-1000 CTS	CEILING JOIST, 1 ROW BRIDGING AT MID POINTS
PU1	SZ200 24-1200 CTS	2 ROWS BRIDGING AT THIRD POINTS
PU2	SZ200 19-1200 CTS	2 ROWS BRIDGING AT THIRD POINTS
PU3	SZ200 15-1200 CTS	1 ROW BRIDGING AT MID POINTS
PU4	SZ200 19-2300 CTS	2 ROWS BRIDGING AT THIRD POINTS
PU5	SZ150 19-1200 CTS	
PU6	SC150 15-1000 CTS	1 ROW BRIDGING AT MID POINTS

RAFTER		
AB1	250 PFC	AWNING RAFTER
RB1	310 UB 32.0	
RB2	360 UB 44.7	
RB3	410 UB 53.7	

STRUT		
ST1	125 x 125 x 4.0 SHS	
ST2	200 x 200 x 5.0 SHS	
ST3	300 x 200 x 6.0 RHS	
ST4	200 x 100 x 4.0 RHS	

LEGEND

- I** SC10 DENOTES STEEL COLUMN OVER
- I** SC10U DENOTES STEEL COLUMN UNDER
- I** SC1 DENOTES STEEL COLUMN OVER & UNDER
- SP** DENOTES SPLICE PLATE, REFER TO DETAIL



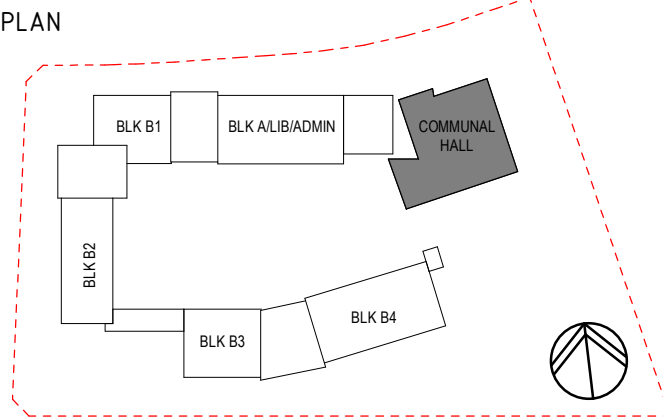
NOTE:
ALL TRIMMING PURLINS (TP) **EC20015**, SECTIONS CONNECTED WITH 100GPB AND 4M12 PURLIN BOLTS.

ALL ROOF PURLIN DESIGN ASSUMES:
PURLINS SUPPORT ROOF SHEETING ONLY
ROOF SHEETING IS TRIMDEK 0.48 BTM
FIBREGLASS SHEETING IS AMPELITE 5-RIB SERIES 3360 OR HIGHER

INTERNAL SPANS ARE SHOWN IN SCHEDULE, END SPANS TO BE AT MAX 1600 CTS
ROOF SHEETING DETAILS TO BE CONFIRMED BY THE BUILDER / ARCHITECT PRIOR TO FABRICATION

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KEYPLAN



REV	DESCRIPTION	ISS'D	VER'D	APP'D	DATE
B	REVISED FOR DDR SUBMISSION	L.M		R.D	21.06.19
C	PROGRESS ISSUE	L.M		R.D	28.06.19
D	PROGRESS ISSUE	L.M		R.D	05.07.19
E	FINAL COORDINATION ISSUE	L.M		R.D	12.07.19
F	ISSUED FOR CONSTRUCTION	L.M		R.D	17.07.19
G	REVISED FOR CONSTRUCTION	R.T	P.O'H	R.D	06.08.20

CLIENT

RICHARD CROOKES
CONSTRUCTIONS

ARCHITECT

GROUP GSA



Education

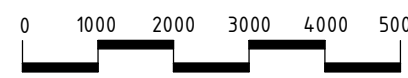
PROJECT

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DRAWING TITLE

**STRUCTURAL DRAWING
COMMUNAL HALL ROOF
FRAMING PLAN**

JOB NUMBER

S182535-01

DRAWING NUMBER

S10.2

REVISION

G

DRAWING SHEET SIZE = A1

FOR CONSTRUCTION

VERIFIER: PHIL O'HARA

JOB MANAGER: RORY DALE

DESIGNED: BRENDAN BLAKE

DRAWN: HECTOR ABELLA