

COLA B4 ROOF FRAMING PLAN

- FLY BRACE RAFTERS AT EVERY SECOND PURLIN.
- LAP PURLINS 15% OF SPAN OVER RAFTERS (TYPICAL).COLA / ENTRY CANOPY CEILING JOISTS BY OTHERS NOT SHOWN FOR CLARITY.
- SUB-FRAMING OF TOP HATS & RAISED CEILING SUPPORTS BY OTHERS.
- ALL EXTERNAL STEELWORK TO BE GALVANISED.

	COLUMN SO				
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	R SCHEDULE			
MARK	SIZE	COMMENT(S)			
BEAM	450.055	CURTAIN SEC.			
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 1.0†	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 1.0†	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				
STA	200 × 100 × 4.0 RHS				

<u>LEGEND</u>

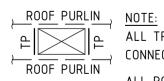
ST4

I SUND DENOTES STEEL COLUMN OVER

I SUND DENOTES STEEL COLUMN UNDER

DENOTES STEEL COLUMN OVER & UNDER

200 x 100 x 4.0 RHS



NOTE:

ALL TRIMMING PURLINS (TP) EC20015, SECTIONS

CONNECTED WITH 100GPB AND 4M12 PURLIN BOLTS.

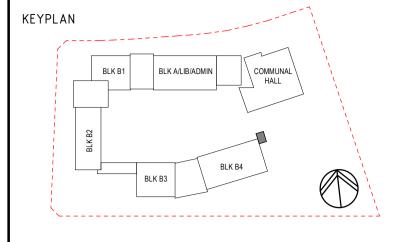
DENOTES SPLICE PLATE, REFER TO DETAIL

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

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SPANS TO BE AT MAX 1600 CTS
ROOF SHEETING DETAILS TO BE CONFIRMED BY THE
BUILDER / ARCHITECT PRIOR TO FABRICATION

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REV	DESCRIPTION	ISS'D	VER'D	APP'D	DATE
Α	ISSUED FOR DDR	L.M		R.D	14.06.19
В	REVISED FOR DDR SUBMISSION	L.M		R.D	21.06.19
С	PROGRESS ISSUE	L.M		R.D	28.06.19
D	PROGRESS ISSUE	L.M		R.D	05.07.19
Е	FINAL COORDINATION ISSUE	L.M		R.D	12.07.19
F	ISSUED FOR CONSTRUCTION	L.M	P.0'H	R.D	17.07.19

RICHARD CROOKES

CONSTRUCTIONS

ARCHITECT

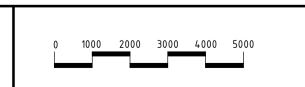




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DRAWING TITLE

STRUCTURAL DRAWING COLA B4 ROOF FRAMING PLAN

JOB NUMBER

DRAWING NUMBER

DRAWING SHEET SIZE = A1

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