LOCKWOOD ROAD

TEMPLAR ROAD

ROOF AREA = 600 SQM

(EG 1)
EAVES GUTTER
350W x 275D
DOWNPIPE
225Ø

ROOF AREA = 140SQM

BG 1

EG 1

EXPANSION JOINT

RIDGE LINE

ROOF AREA = 14000 SQM

FUTURE EXPANSION BUILDING
ROOF AREA = 2,320 SQM

STAGE 2 - FUTURE EXPANSION
ROOF AREA = 8,670 SQM

ROOF AREA
240 SQM

5 MW BOILER

SERVICES AREA 100

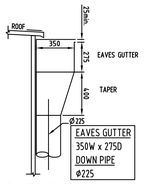
EAVES GUTTER

(EG 1)
EAVES GUTTER
350W x 275D
DOWNPIPE
225Ø

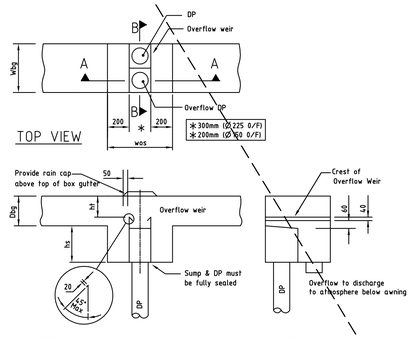
ROOF AREA = 570 SQM

ROOF AREA
220 SQM

ROOF AREA = 700 SQM



EAVES GUTTER 1
N.T.S.



TOP VIEW

SECTION A-A

SECTION B-B

BOX GUTTER 1 (BG 1)
SUMP/HIGH CAPACITY OVERFLOW DEVICE
N.T.S.

BOX GUTTER 1 (BG 1)

Description	Code	Sizes
~~CATCHMENT / ARI / DOWNPIPE~~	-	-
Roof Catchment Area (m2)	A	260
ARI Rainfall Intensity (mm/hr) (100 Yr, 5 min)	Y	217.37
Design Flow (l/s)	Q	15.70
Downpipe (mm)	dp	150
(ha factor)	ha	123
BOX GUTTER		
Catchment Area of Largest Box Gutter Side (m2)	-	230
Design Flow (Q) (l/s) for Worsed case BG side	-	13.89
Box Gutter Grade	-	1:200
Box Gutter Width (mm)	Wbg	600
Box Gutter Depth (mm)	Dbg	150
SUMP		
Sump Depth	hs	250
Sump Length	wos	600
OVERFLOW		
Overflow Weir Depth below Box Gutter	ht	112
Calc. Overflow Weir Depth above sole of Box Gutter	Loc	38

REFERENCE DOCUMENT REGISTER Q.A.

BUCKTON LYSENKO REV No.

DISCIPLINE: | DRAWING No. | REVISION No. OR DATE

ARCH:
STRUCT:
MECH:
ELECT:
SURVEY:

True North

Drawing by
MACHINE AutoMENU

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Status Legend

0 PRELIMINARY DESIGN DRAWING
1 DEVELOPMENT APPLICATION
2 AUTHORITY APPROVAL
3 TENDER PURPOSES
C CONTRACT PURPOSES

NOTE: ANY DRAWINGS ISSUED FROM STATUS 0 TO 3 SHALL NOT BE USED FOR CONTRACT PURPOSES

Status/ Revision	Description	Issue By	Issue Date
1-0	ISSUED FOR D.A. APPROVAL		11.04.08

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Project
TEMPLAR ROAD - ERSKINE PARK
SITE E - SITE PLAN

Title
STORMWATER DRAINAGE
ROOFWATER DRAINAGE
LAYOUT PLAN & DETAILS

Designer	Drafter	Cad File Path
		I:\25067\CADD\X25067-BEW-NW.dwg

Scale: 0 60 120

Project	Status	Revision	Drawing No.	Original
25067	1	- 0	SK5	A0 Sheet