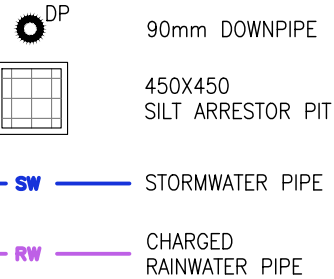


## LEGEND



AS PER AS3500.3

ARI 5% 5MIN 208mm/HR  
ARI 1% 5MIN 279mm/HR

SLOPE: 3, 8, 20, 25  
(MULTIPLIERS: 1.03, 1.07, 1.18, 1.23)

UPPER ROOF AREA:  
AREA: 217m<sup>2</sup>  
SLOPE: 25°  
AREA x SLOPE: 267m<sup>2</sup>  
EFFECTIVE XSEC AREA EAVE: 6165mm<sup>2</sup>  
APPROX 28m<sup>2</sup> PER DOWNPIPE

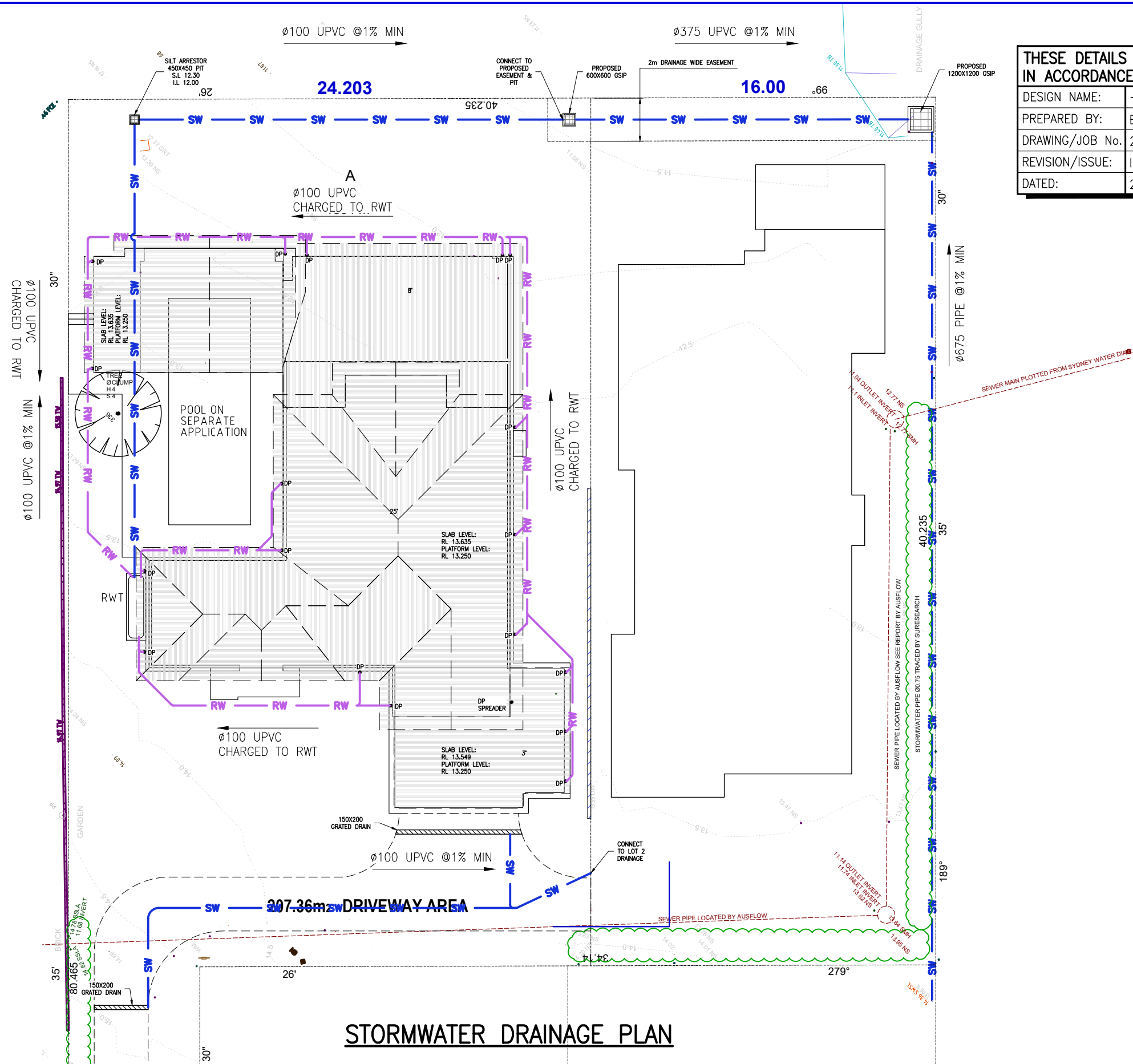
MINIMUM AMOUNT OF DOWNPIPES: 10

LOWER ROOF AREA:  
AREA: ALFRESCO(75) + POOL(62) +  
GARAGE(40) = 198m<sup>2</sup>  
EFFECTIVE XSEC AREA EAVE: 6165mm<sup>2</sup>  
APPROX 28m<sup>2</sup> PER DOWNPIPE

MINIMUM AMOUNT OF DOWNPIPES: 8

THESE DETAILS HAVE BEEN PREPARED  
IN ACCORDANCE WITH ARCHITECTURAL

DESIGN NAME:	-
PREPARED BY:	BIRDY HOMES
DRAWING/JOB No.	20144
REVISION/ISSUE:	I
DATED:	25.03.22



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ENGINEERING  
WRITTEN CONSENT

APPROVED BY:

*[Signature]*

GERVASE PURICH  
FIEAust, C.P.Eng., NER, BPB, RPEQ

CLIENT REF:  
20144

DATE:  
06/04/2022

DRAWN:  
OE

SCALE:  
1:200

CLIENT:

LOGO

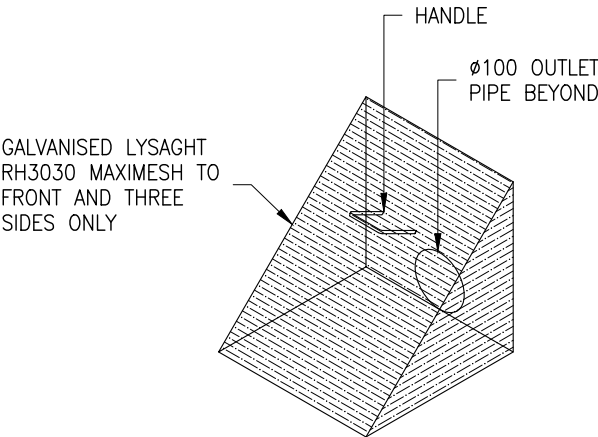
FOR:  
MR ARCUS

SITE ADDRESS:  
LOT 1, 94 TORONTO AVE,  
CROMER NSW, 2099

DRAWN	DATE	AMENDMENT	REV	JOB No:	ISSUE:
				BM0039-SW	-
				SHEET No:	
				01 of 02	

STORMWATER DRAINAGE NOTES

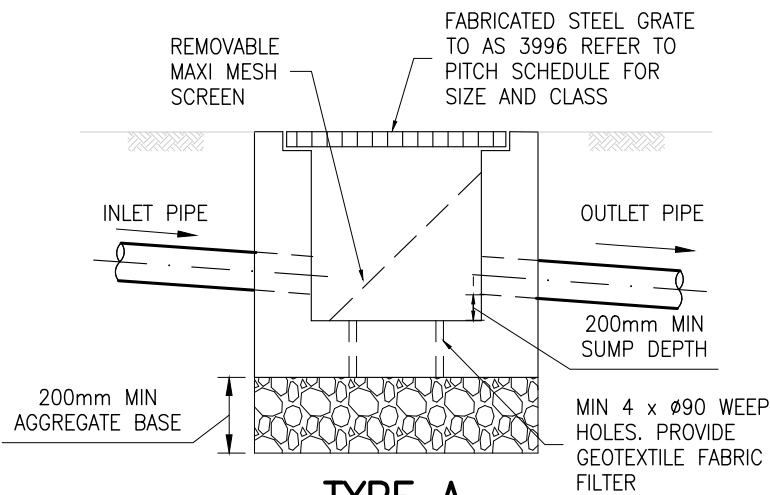
- ALL WORK TO BE IN ACCORDANCE WITH AS3500.3.1 AND AS3500.3.2
- ALL PIPES TO BE Ø100 uPVC AT 1.0% MIN FALL. SEWER GRADE. UNLESS NOTED OTHERWISE
- NOTIFY ENGINEER OF ANY DISCREPANCIES ON SITE
- DIAL BEFORE YOU DIG. PRIOR TO COMMENCING WORK.
- SILT ARRESTOR/ GRATED INLET PITS 450X450 U.N.O
- ALL WORK IN ACCORDANCE WITH THE LOCAL GOVERNMENT ACT. COUNCILS STANDARD SPECIFICATION AND CODES AND TO THE SATISFACTION OF COUNCILS SUPERVISING OFFICER.
- THIS PLAN TO BE READ IN CONJUNCTION WITH PLANS PREPARED BY THE ARCHITECTS AND STRUCTURAL ENGINEERS PLANS.
- INSTALL TEMPORARY SEDIMENT BARRIERS AROUND ALL INLET PITS TO DETAIL UNTIL SURROUNDING AREAS ARE PAVED OR GRASSED.
- CONTRACTOR IS TO VERIFY THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF EXCAVATION FOR DRAINAGE.
- ALL PITS TO BE BENCHED TO HALF PIPE SECTION AND TO HAVE GALVANISED STEEL GRATES AND SURROUNDS.
- PIPE GRADES SHOWN ARE INDICATIVE MINIMUM.
- PIPES ARE TO BE LAID TO I.L. LEVELS INDICATED AT PITS.
- ALL STORMWATER TO CONNECT TO EXISTING STORMWATER MAIN, LOCATION TO BE CONFIRMED ONSITE



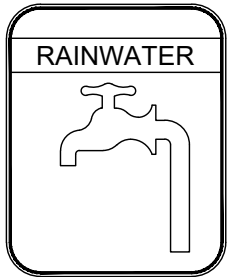
TRASH SCREEN CAGE DETAIL  
N.T.S

TRASH SCREEN NOTES

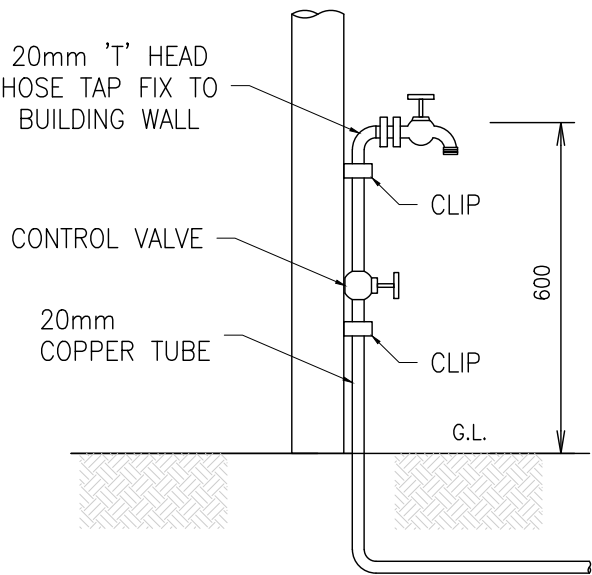
- MAXIMESH SCREENS MUST BE PLACED SUCH THAT THE LONG AXIS OF THE OVAL SHAPED HOLES ARE ORIENTED HORIZONTALLY WITH THE PROTRUDING LIP ANGLES UPWARDS AND FACING TOWARDS THE OUTLET.
- MAXIMESH TO BE GALVANISED LYSAGHT RH3030 MAXIMESH CAGE (OR EQUIVALENT)
- THE SCREEN IS TO BE FORMED BY WELDING TWO TRIANGULAR MAXIMESH (OR EQUIVALENT) PANELS TO A RECTANGULAR FRONT MAXIMESH PANEL (OR EQUIVALENT).



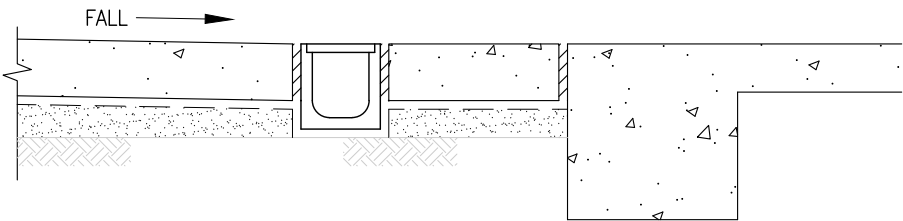
TYPE A –  
SILT ARRESTOR PIT DETAIL  
N.T.S



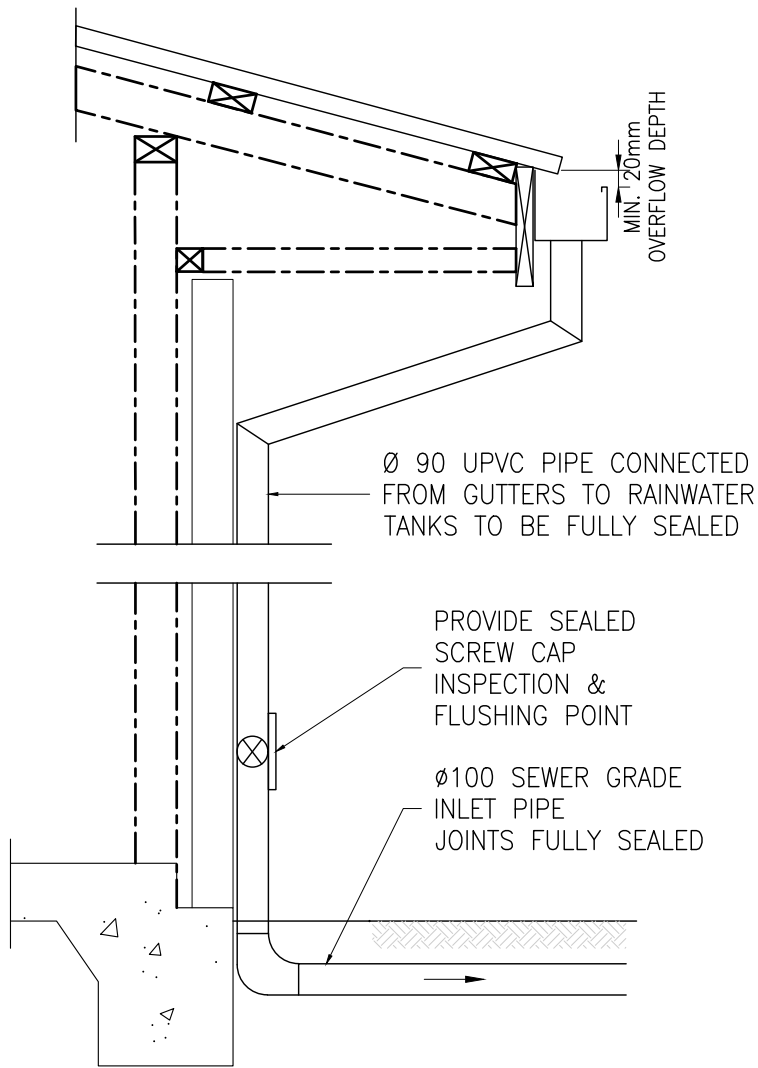
BLACK TAP ON YELLOW BACKGROUND  
WHITE LETTERING ON BLACK STRIP  
BLACK BORDER






HOSE TAP DETAIL  
NOT TO SCALE



TYPICAL GRATED DRAIN DETAIL  
NOT TO SCALE



TYPICAL CHARGED DOWNPIPE OVERFLOW  
NOT TO SCALE

<div><p><b>RESIDENTIAL ENGINEERING</b> Structural Engineers • Surveying &amp; Geotechnical</p></div> <div><p>NSW • QLD</p><p>P +61 2 9896 5494 Level 2, 73-75 Dunmore Street, WENTWORTHVILLE, NSW 2145 admin@reseng.com.au</p><p>P +61 7 3307 8388 5a/41 Lavarack Avenue, EAGLE FARM, QLD 4009 www.residentialengineering.com.au</p><p>RESIDENTIAL ENGINEERING PTY LTD ACN 612 898 629 ABN 28 612 898 629 TRADING AS RESIDENTIAL ENGINEERING</p></div>	COPYRIGHT: THIS DRAWING REMAINS THE PROPERTY OF RESIDENTIAL ENGINEERING AND MAY NOT BE ALTERED IN ANY WAY WITHOUT RESIDENTIAL ENGINEERING WRITTEN CONSENT	APPROVED BY:  GERVASE PURICH FIEAust, C.P.Eng., NER, BPB, RPEQ	CLIENT REF: 20144 DATE: 06/04/2022 DRAWN: OE SCALE:	CLIENT: 	FOR: MR ARCUS SITE ADDRESS: LOT 1, 94 TORONTO AVE, CROMER NSW, 2099	DRAWN	DATE	AMENDMENT	REV	JOB No:	ISSUE:
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