

# 8 FOREST ROAD, WARRIEWOOD

200617 8 FOREST ROAD, WARRIEWOOD- STAGE 2  
COMBINED SERVICES



DRAWN: DESIGNED: MEMBER: JOB MANAGER:

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REV	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	REV	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	REV	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT
1	PRELIMINARY SPATIAL ISSUE	SP/GL/JS			17.04.20													
2	PRELIMINARY SPATIAL ISSUE	SP/GL/JS			04.09.20													
3	PRELIMINARY SPATIAL ISSUE	SP/GL/JS			11.09.20													

ARCHITECT  
 1st Fl, 1st St, 12 Hickobee Road  
 Walsh Bay New South Wales 2000 Australia  
 T: 61 2 9297 5700 F: 61 2 9297 5709  
 R: 61 2 9297 5700  
 E: info@jacksonteece.com.au  
 www.jacksonteece.com.au

**JACKSON TEECE**  
 CONSULTING ENGINEERS PTY LTD

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NTS

**NORTHROP**  
 Sydney

The Grafton Road Show, 60 Haskins Road, Sydney NSW 2000  
 Ph: (02) 9241 4188 Fax: (02) 9241 4224  
 P.O. Box 11171 Australia Square, NSW 1216  
 Email: sydney@northrop.com.au ABN: 61 084 423 100

PROJECT  
**8 FORREST ROAD, WARRIEWOOD, NSW**

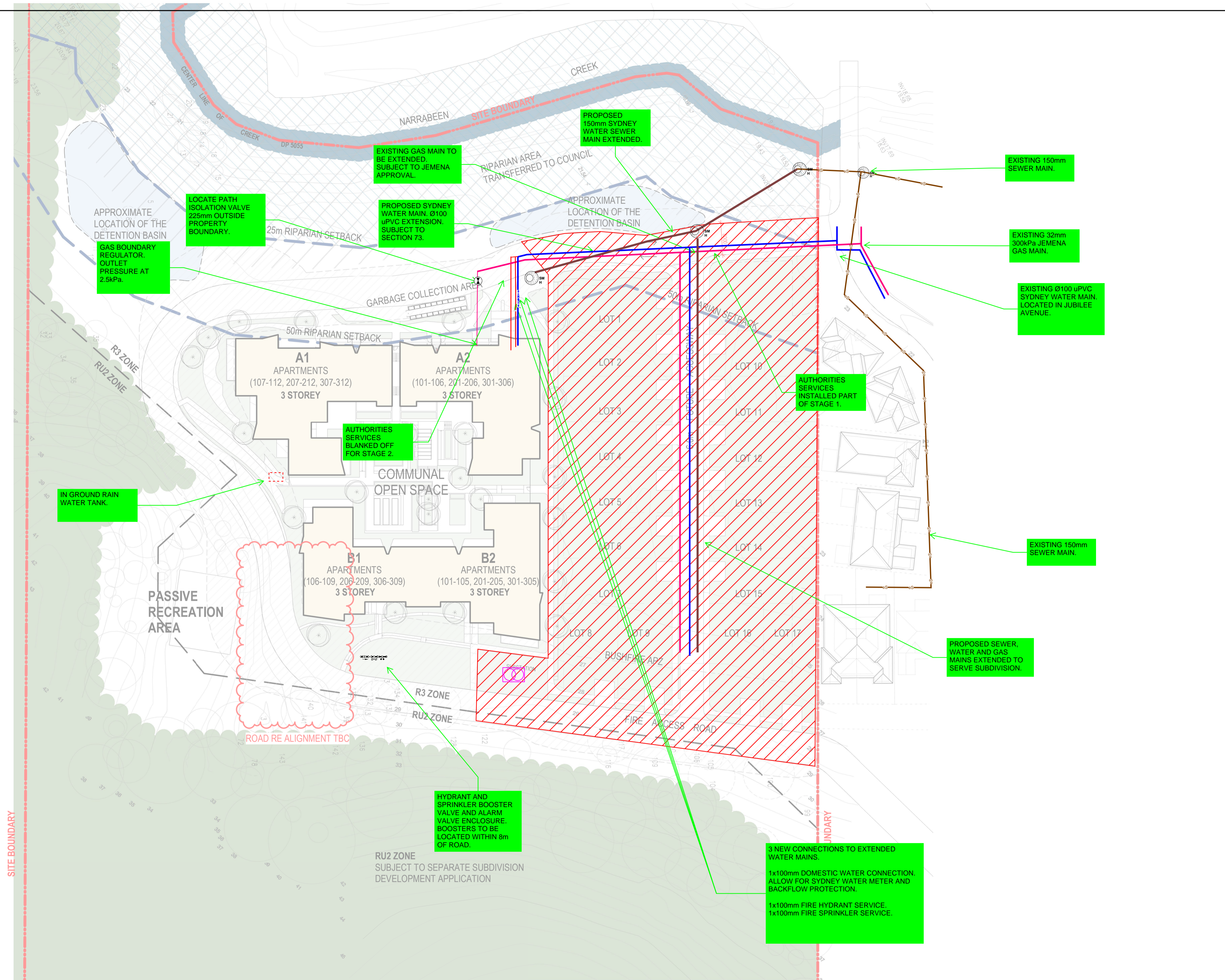
DRAWING TITLE  
**COMBINED SERVICES SPATIALS COVER SHEET**

JOB NUMBER  
**SY200617**

DRAWING NUMBER  
**MSK-00**

REVISION  
**3**

DRAWING SHEET SIZE: A3



### LEGEND

- ELECTRICAL
- HYDRAULICS
- MECHANICAL

	SEWER
	WATER
	GAS

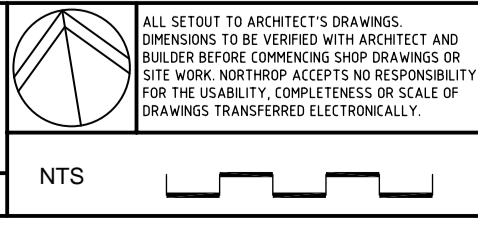
DRAWN: VERWER  
JOB MANAGER: JOB MANAGER  
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REV	DESCRIPTION	ISSUED	VERD	APP'D	DATE	REV	DESCRIPTION	ISSUED	VERD	APP'D	DATE	REV	DESCRIPTION	ISSUED	VERD	APP'D	DATE	CLIENT	ARCHITECT	PROJECT	DRAWING TITLE	JOB NUMBER
1	PRELIMINARY SPATIAL ISSUE	SP/GL/JS			17.04.20														JACKSON TEECE	8 FORREST ROAD, WARRIWOOD, NSW	COMBINED SERVICES SPATIALS SITE PLAN - STAGE 2	SY200617
2	PRELIMINARY SPATIAL ISSUE	SI/GL/JS			04.09.20														JACKSON TEECE	8 FORREST ROAD, WARRIWOOD, NSW	COMBINED SERVICES SPATIALS SITE PLAN - STAGE 2	MSK-01B 2

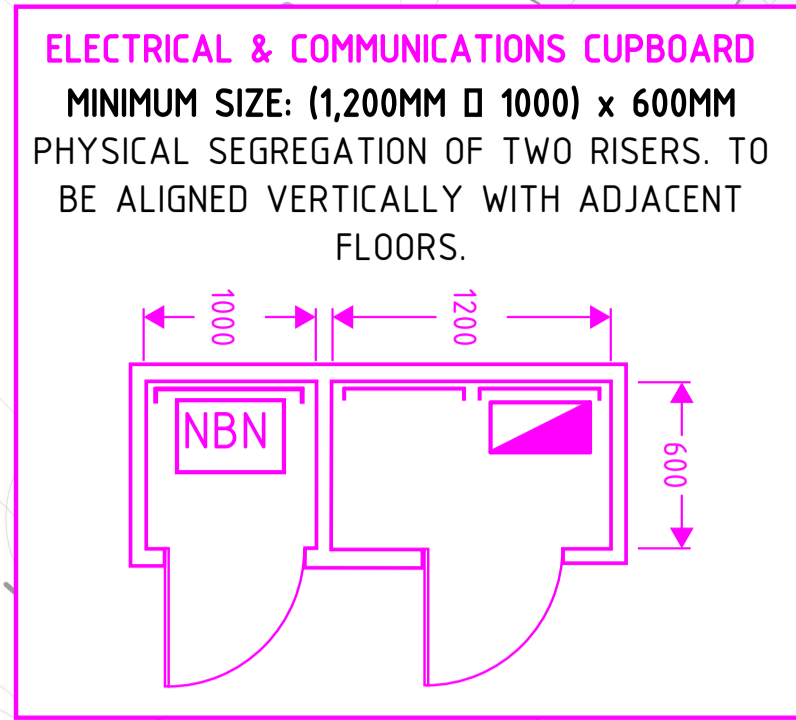


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PROJECT: 8 FORREST ROAD, WARRIWOOD, NSW  
 DRAWING TITLE: COMBINED SERVICES SPATIALS SITE PLAN - STAGE 2  
 JOB NUMBER: SY200617  
 DRAWING NUMBER: MSK-01B  
 REVISION: 2  
 DRAWING SHEET SIZE: A3





**MAIN GAS METER/REGULATOR SET (EMBEDDED NETWORK)**

**MAIN WATER METER**

**FIRE SERVICES DOUBLE CHECK WITH BY PASS METER**

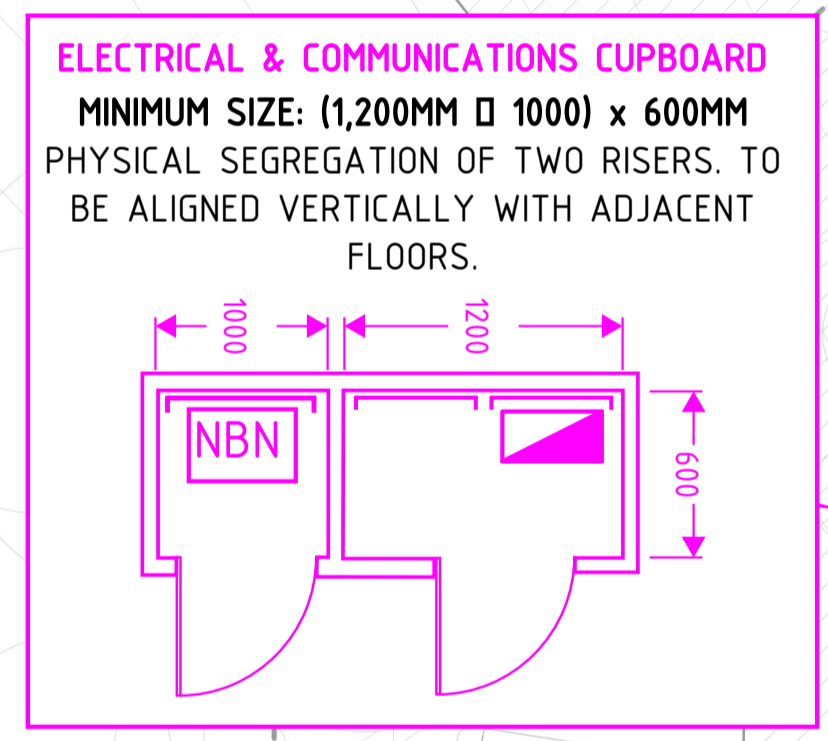
**LEGEND**

- ELECTRICAL
- HYDRAULICS
- MECHANICAL

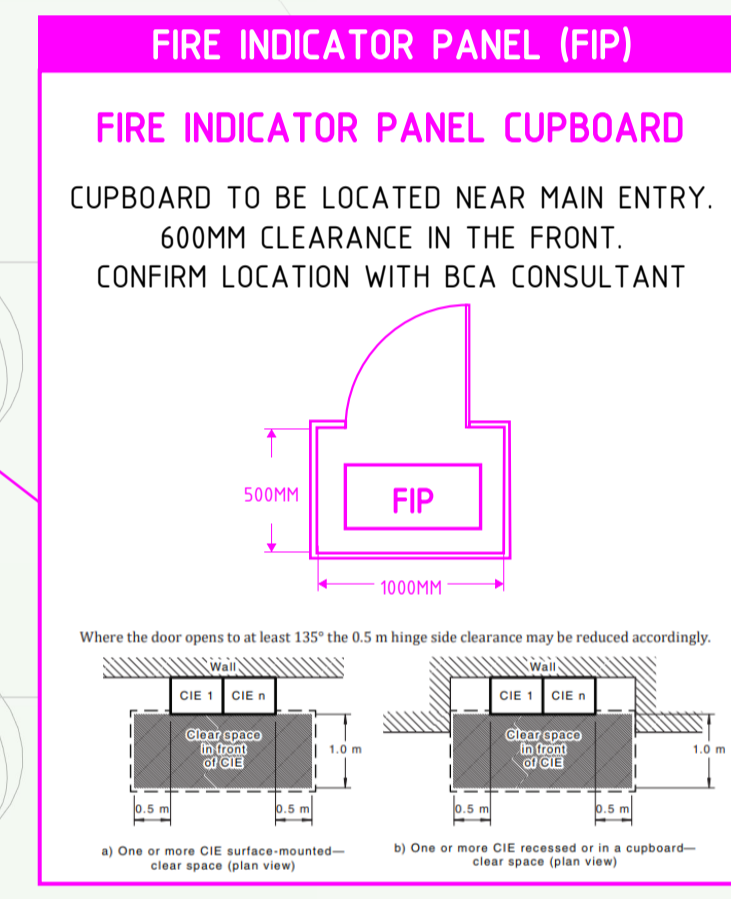
**METERING CUPBOARDS TO BE RECESSED IN WALL 800 x 500mm.**

**TYPICAL.**  
 HOT WATER TO REQUIRE HOTWATER METERING CUPBOARDS WHERE RUN FROM MAIN HYDRAULIC CUPBOARDS TO DOORS OF APARTMENTS ARE >10m.  
 ELIMINATE THE NEED FOR THIS BY LOCATING MAIN HYDRAULIC METERING CUPBOARDS 10m TO EACH APARTMENT DOOR.

**HOT & COLD WATER METERING CUPBOARD. 1200X500mm.**

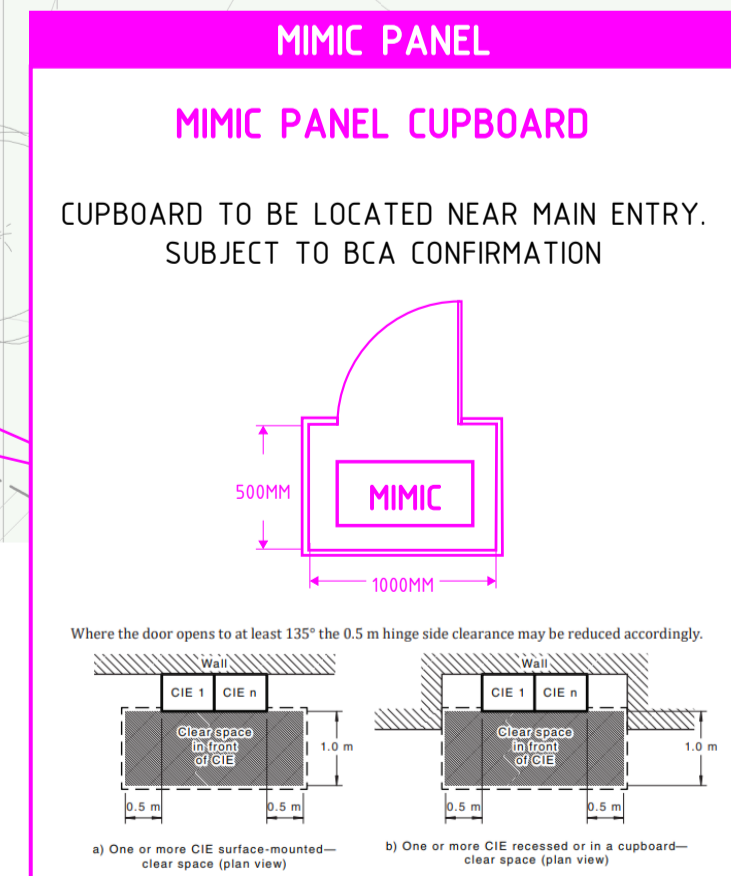


**METERING CUPBOARDS TO BE RECESSED IN WALL 800 x 500mm.**

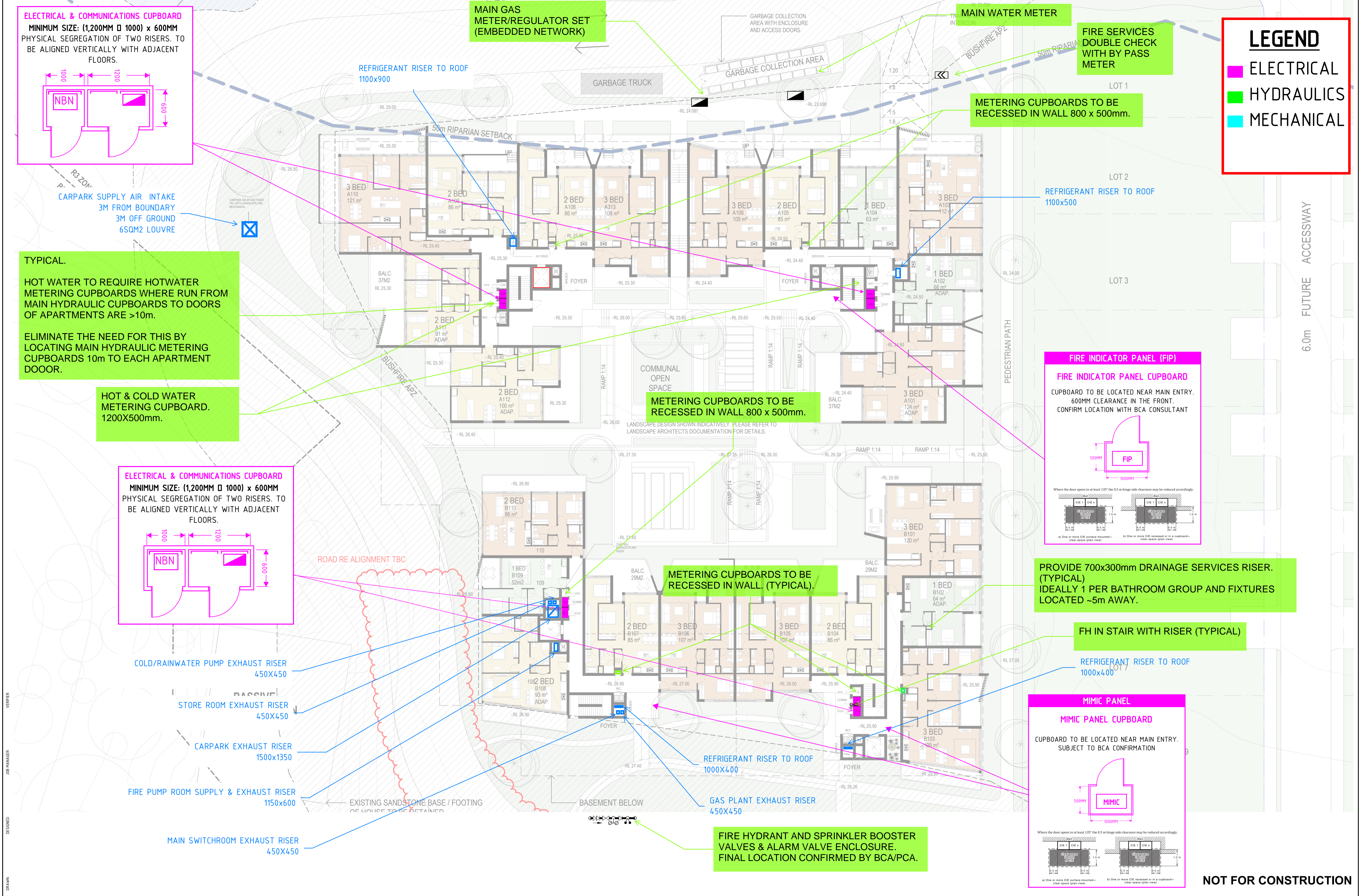


**PROVIDE 700x300mm DRAINAGE SERVICES RISER. (TYPICAL) IDEALLY 1 PER BATHROOM GROUP AND FIXTURES LOCATED ~5m AWAY.**

**FH IN STAIR WITH RISER (TYPICAL)**



**FIRE HYDRANT AND SPRINKLER BOOSTER VALVES & ALARM VALVE ENCLOSURE. FINAL LOCATION CONFIRMED BY BCA/PCA.**



REV	DESCRIPTION	ISSUED	VERD	APP'D	DATE	REV	DESCRIPTION	ISSUED	VERD	APP'D	DATE	CLIENT	ARCHITECT	PROJECT	DRAWING TITLE	JOB NUMBER	
1	PRELIMINARY SPATIAL ISSUE	SP/GLJS			17.04.20								<b>JACKSON TEECE</b> CONSULTING ENGINEERS PTY LTD	<b>NORTHROP</b> Sydney The Grattan Bond Store, 60 Hickson Road, Sydney NSW 2000 Ph: (02) 9241 4188 Fax: (02) 9241 4324 P.O. Box 1171 Australia Square, NSW 1215 Email: sydney@northrop.com.au AIN 81 094 433 100	<b>8 FORREST ROAD, WARRIWOOD, NSW</b>	<b>COMBINED SERVICES SPATIALS GROUND FLOOR</b>	<b>SY200617</b> DRAWING NUMBER <b>MSK-03</b> REVISION <b>3</b>
2	PRELIMINARY SPATIAL ISSUE	SP/GLJS		04.09.20													
3	PRELIMINARY SPATIAL ISSUE	SP/GLJS		11.09.20													

**NOT FOR CONSTRUCTION**

### LEGEND

- ELECTRICAL
- HYDRAULICS
- MECHANICAL

**ELECTRICAL & COMMUNICATIONS CUPBOARD**  
 MINIMUM SIZE: (1,200MM □ 1000) x 600MM  
 PHYSICAL SEGREGATION OF TWO RISERS. TO BE ALIGNED VERTICALLY WITH ADJACENT FLOORS.

METERING CUPBOARDS TO BE RECESSED IN WALL 800 x 500mm.

HOT & COLD WATER METERING CUPBOARD. 1200X500mm.

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 MINIMUM SIZE: (1,200MM □ 1000) x 600MM  
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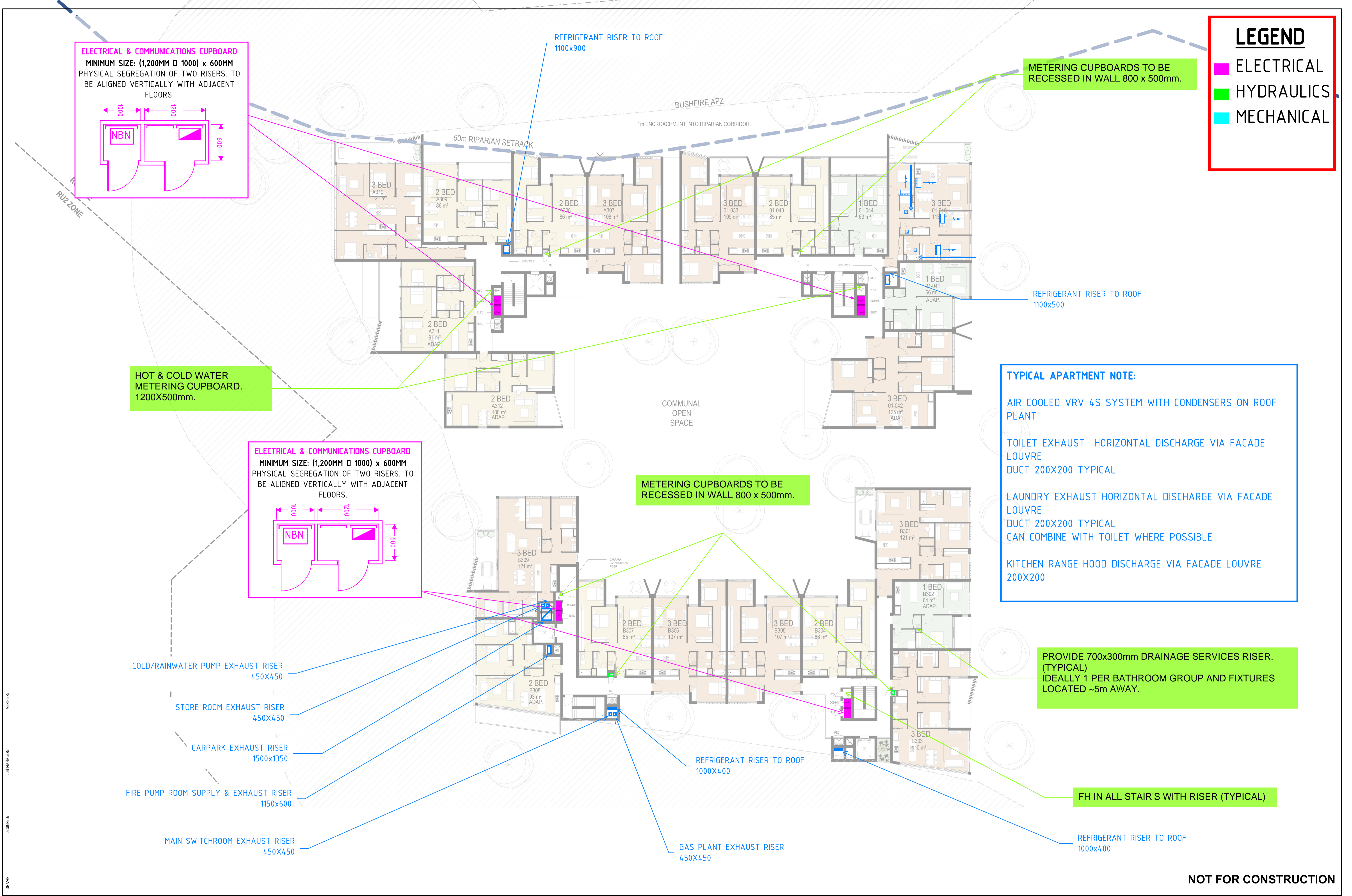
METERING CUPBOARDS TO BE RECESSED IN WALL 800 x 500mm.

**TYPICAL APARTMENT NOTE:**

- AIR COOLED VRV 4S SYSTEM WITH CONDENSERS ON ROOF PLANT
- TOILET EXHAUST HORIZONTAL DISCHARGE VIA FACADE LOUVRE DUCT 200X200 TYPICAL
- LAUNDRY EXHAUST HORIZONTAL DISCHARGE VIA FACADE LOUVRE DUCT 200X200 TYPICAL CAN COMBINE WITH TOILET WHERE POSSIBLE
- KITCHEN RANGE HOOD DISCHARGE VIA FACADE LOUVRE 200X200

PROVIDE 700x300mm DRAINAGE SERVICES RISER. (TYPICAL) IDEALLY 1 PER BATHROOM GROUP AND FIXTURES LOCATED ~5m AWAY.

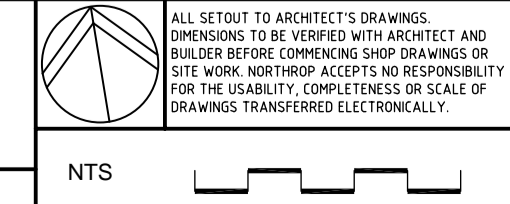
FH IN ALL STAIR'S WITH RISER (TYPICAL)



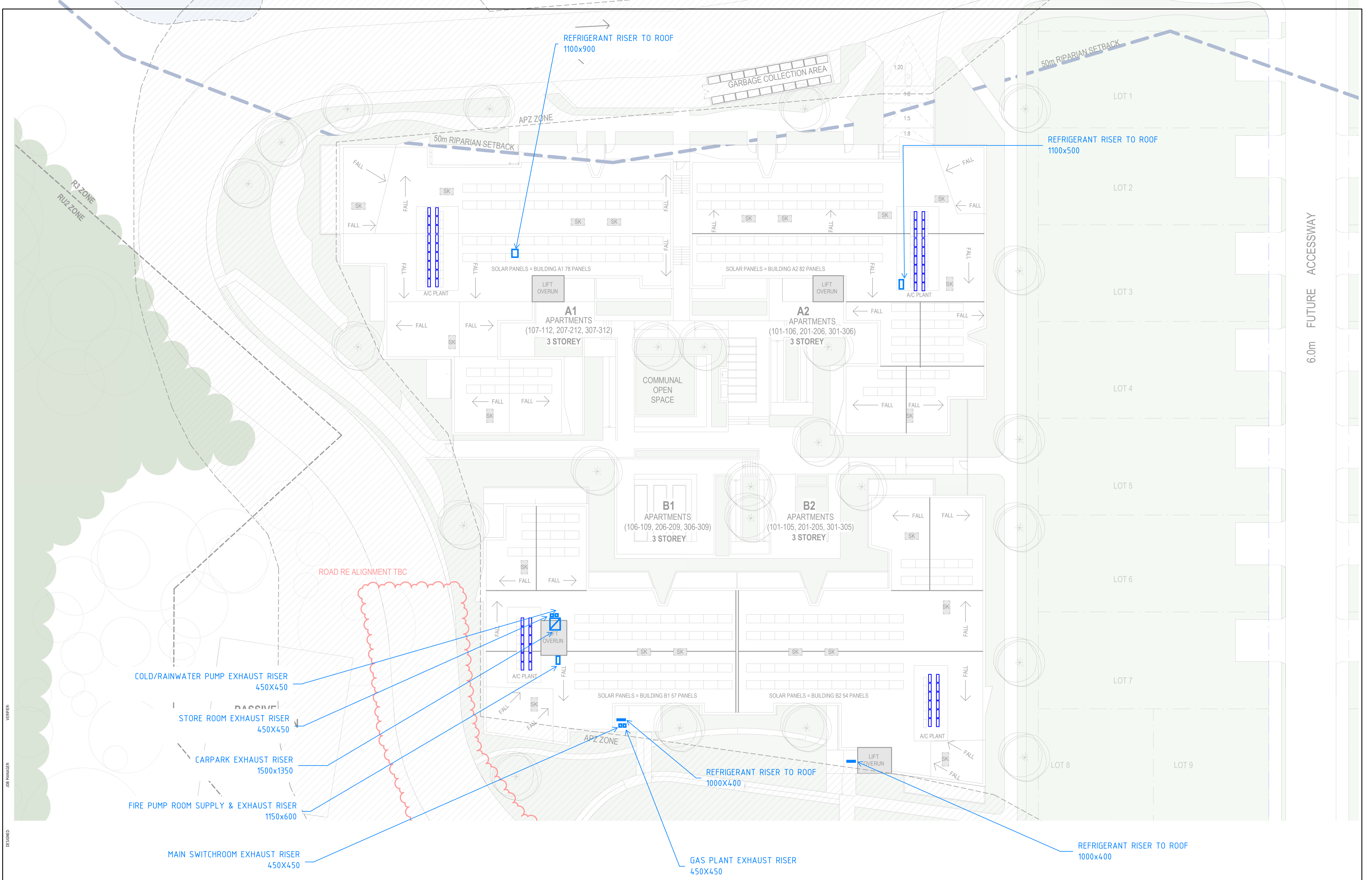
DRAWN: DESIGNED: JOB MANAGER: CHECKER:

REV	DESCRIPTION	ISSUED	VERD	APPD	DATE	REV	DESCRIPTION	ISSUED	VERD	APPD	DATE	REV	DESCRIPTION	ISSUED	VERD	APPD	DATE	CLIENT	ARCHITECT	PROJECT	DRAWING NUMBER	REVISION	JOB NUMBER	
1	PRELIMINARY SPATIAL ISSUE	SP/GL/JS			17.04.20																8 FORREST ROAD, WARRIEWOOD, NSW	MSK-04	3	SY200617
2	PRELIMINARY SPATIAL ISSUE	SP/GL/JS			01.09.20																			
3	PRELIMINARY SPATIAL ISSUE	SP/GL/JS			11.09.20																			

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DRAWING NUMBER: MSK-04  
 REVISION: 3  
 JOB NUMBER: SY200617  
 DRAWING SHEET SIZE: A3



6.0m FUTURE ACCESSWAY

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1	PRELIMINARY SPATIAL ISSUE	SP/GL/JS			04.09.20								<b>JACKSON TEECE</b>		<b>NORTHROP</b>	8 FORREST ROAD, WARRIEWOOD, NSW	COMBINED SERVICES SPATIALS ROOF LEVEL	<b>SY200617</b>
2	PRELIMINARY SPATIAL ISSUE	SP/GL/JS			11.09.20													<b>MSK-06</b>
																		<b>2</b>

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ARCHITECT  
14/11 The Arcade, 12/13 Hickson Road  
Woolah Bay NSW 2232  
P.O. Box 1177 Australia Square, NSW 1215  
E: northrop@northrop.com.au  
A: 61 02 433 1100

**NORTHROP**  
Sydney  
The Grafton Bond Store, 60 Hickson Road, Sydney NSW 2000  
Ph: (02) 5244 4166 Fax: (02) 5244 4324  
P.O. Box 1177 Australia Square, NSW 1215  
E: northrop@northrop.com.au A: 61 02 433 1100

**8 FORREST ROAD, WARRIEWOOD, NSW**

**COMBINED SERVICES SPATIALS ROOF LEVEL**

**SY200617**  
**MSK-06** **2**  
DRAWING SHEET SIZE: A3