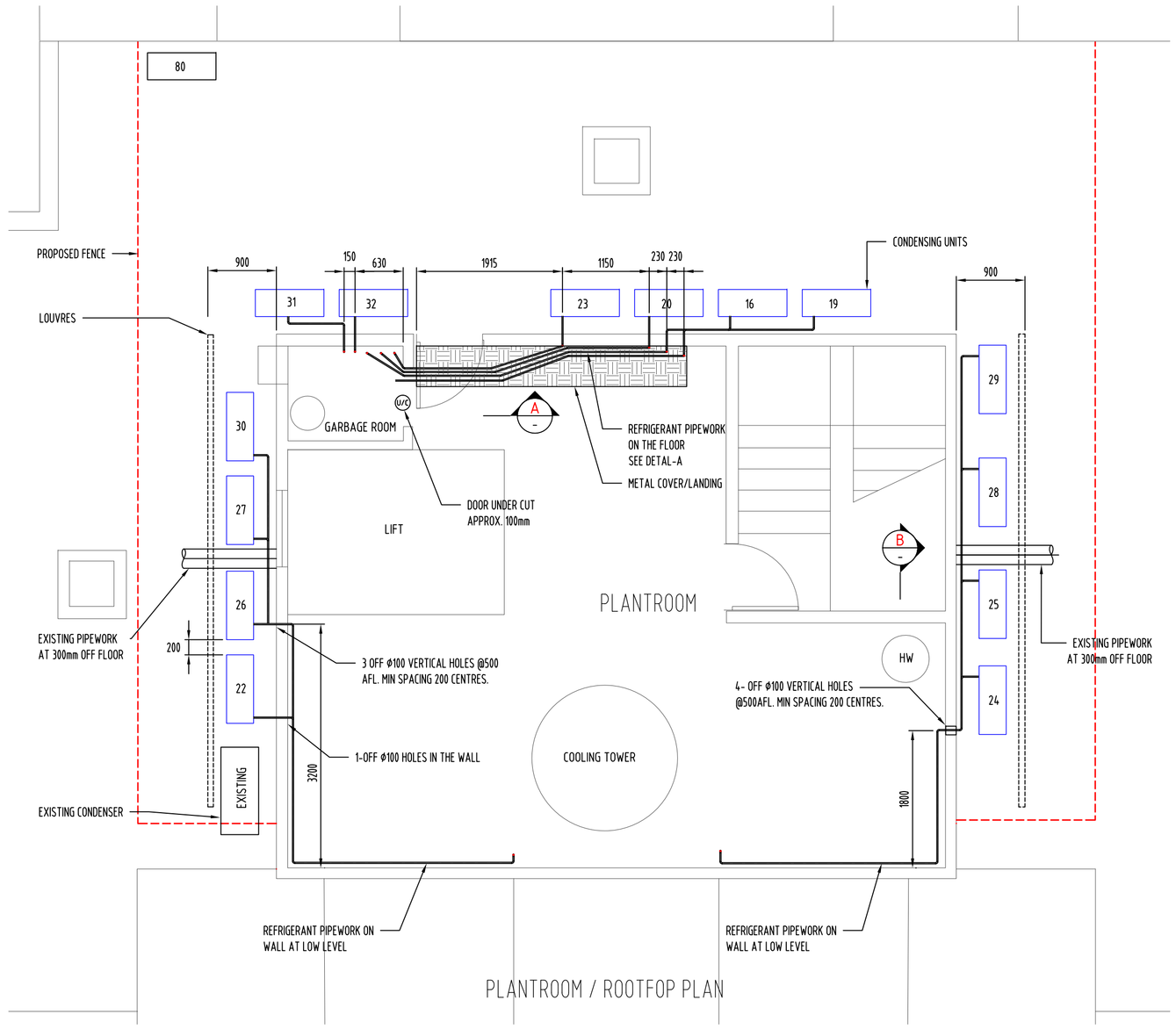
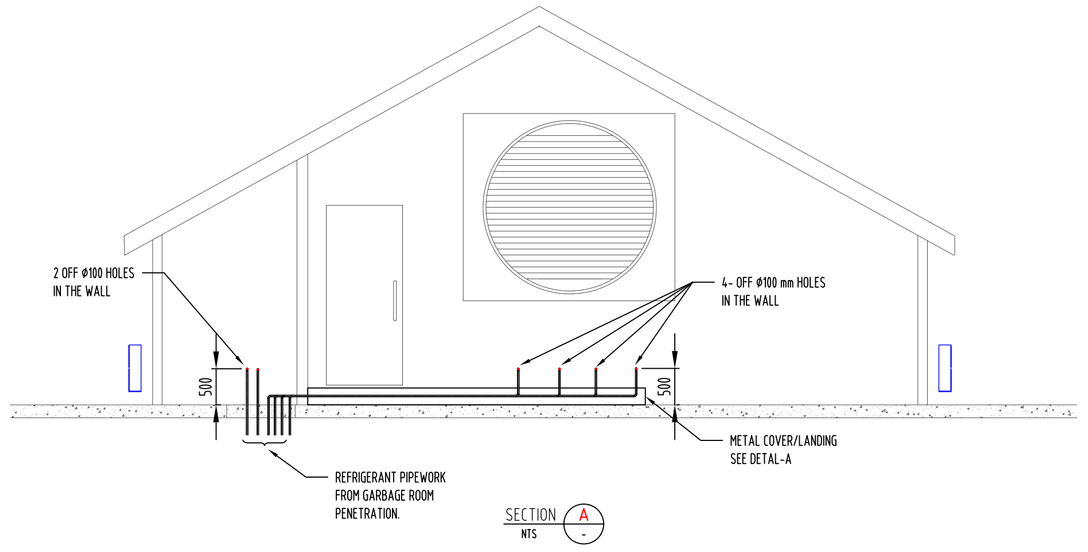
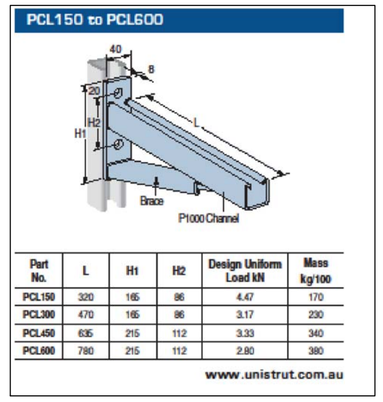


PLANTROOM / ROOTFOP PLAN



SECTION A
NTS



Part No.	L	H1	H2	Design Uniform Load kN	Mass kg/100
PCL150	320	165	86	4.42	170
PCL300	470	165	86	3.17	230
PCL450	635	215	112	3.33	340
PCL600	780	215	112	2.80	380

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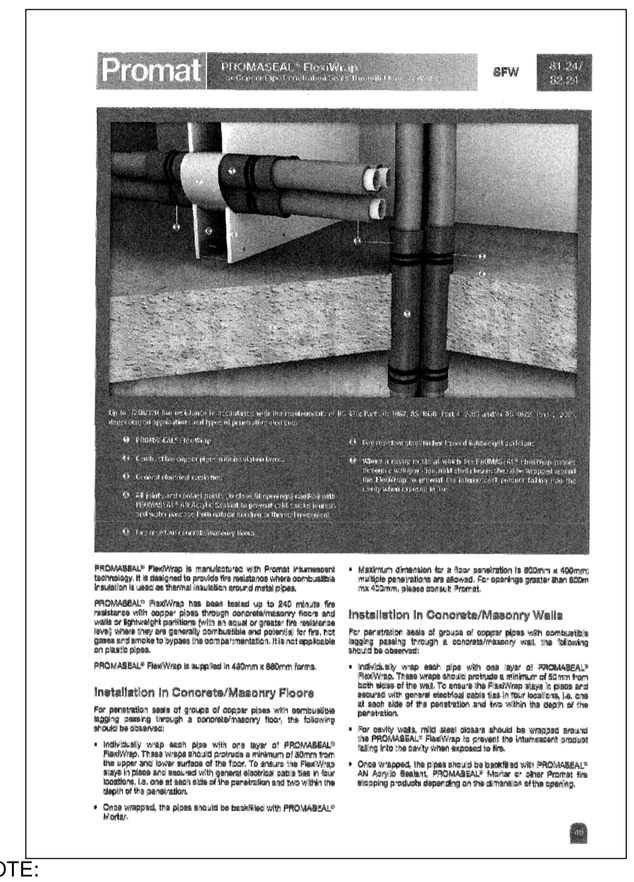
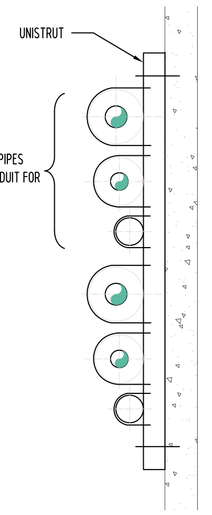
PROPRIETARY 316 STAINLESS STEEL BRACKET(TYP)
NTS. GALV ALTERNATIVE IS ACCEPTABLE

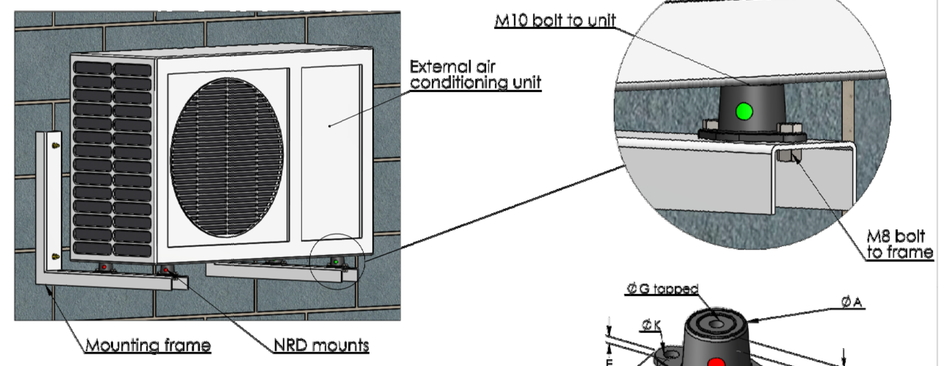
A	SHOP DRAWING	17.05.13
REV. NO.	REASON	DATE
REVISIONS		



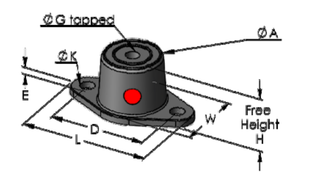


TYPICAL PIPEWORK INSTALLATION ON WALLS
NTS

SI-63 Resiliently mounted air conditioning unit

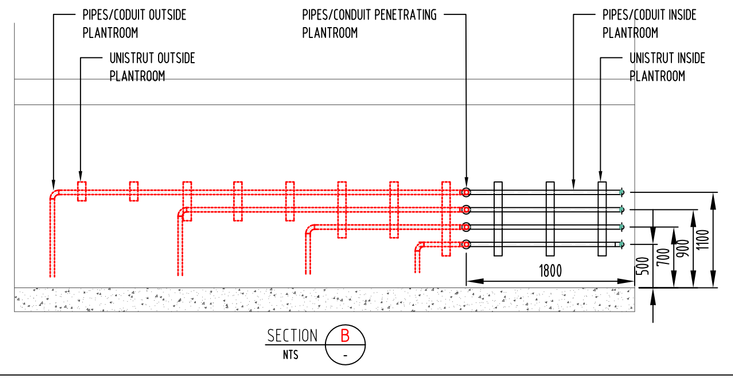


Type	Colour	Max Load (kg)	Static Deflection (mm)	Dynamic Factor	H (mm)	E (mm)	L (mm)	W (mm)	D (mm)	A (mm)	G (mm)	K (mm)
NRD1	Blue	17	8	1.0	28	5	80	45	60	36	M10	8.5
	White	23		1.0								
	Red	40		1.2								
	Green	55		1.3								
	Grey	80		1.4								
NRD2	White	70	10	1.1	32	6	98	60	76	45	M10	8.5
	Red	100		1.2								
	Green	160		1.4								
	Grey	250		1.5								

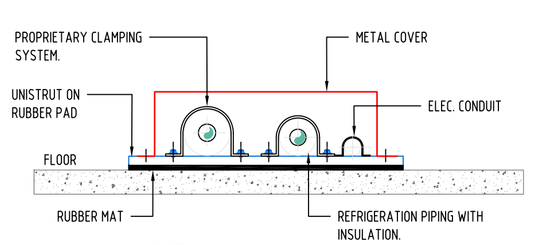


EMBELTON
Noise and vibration isolation
Data sheet: SI-63 issue: 1 April 2012
Phone: 1800 339 438
Email: Emtech@embelton.com

SELECT TO ACHIEVE MIN 93% EFFICIENCY AND 4 POINT UNEQUAL WEIGHT DISTRIBUTION.
EMBELLTON ANTI VIBRATION MOUNT OR EQUAL, SIMILAR TO SI-63 REFER DETAIL



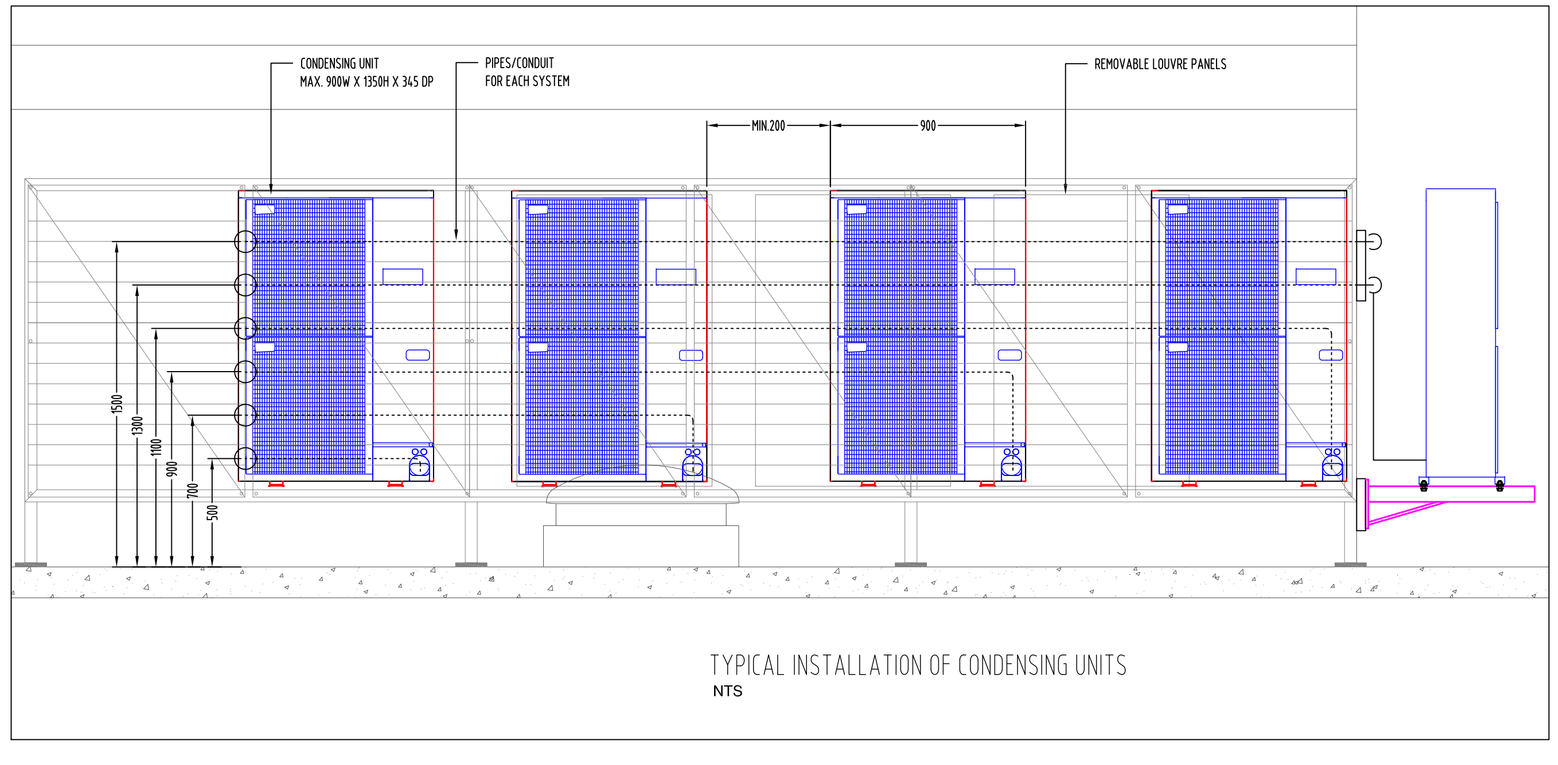
SECTION B
NTS



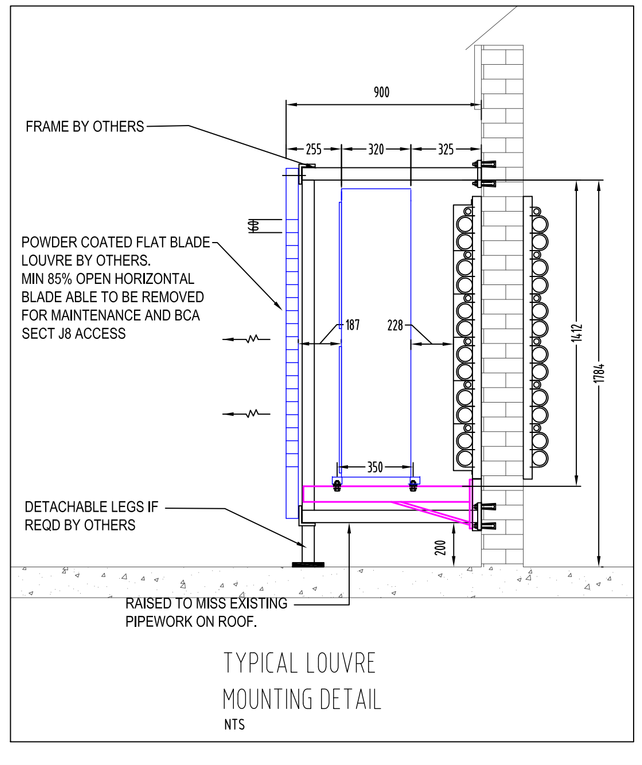
DETAIL-A
FLOOR MOUNTING PIPES
NTS

NOTE:
- PROVIDE NCC/BCA 2012 COMPLIANT FIRE WALL/FLOOR PENETRATION SEALING. REFER SPEC NOTES.
-THE ARRANGEMENT ABOVE IS A DIRECT COPY OFF "PROMAT" TECHNICAL DOCUMENTWHICH HAS BEEN ADVISED AS HAVING BEEN TESTED IN ACCORDANCE WITH AS1530.4-1997 & AS4072.1-1992.
-CONFIRM AND ADJUST AS NECESSARY TO COMPLY. IF IN DOUBT CONTACT "PROMAT" DIRECT FOR FURTHER TECHNICAL DETAILS.
- ELECTRICAL CABLES WILL NEED TO BE INSIDE METAL CONDUIT WHERE PASSING THROUGH FIRE RATED STRUCTURE.

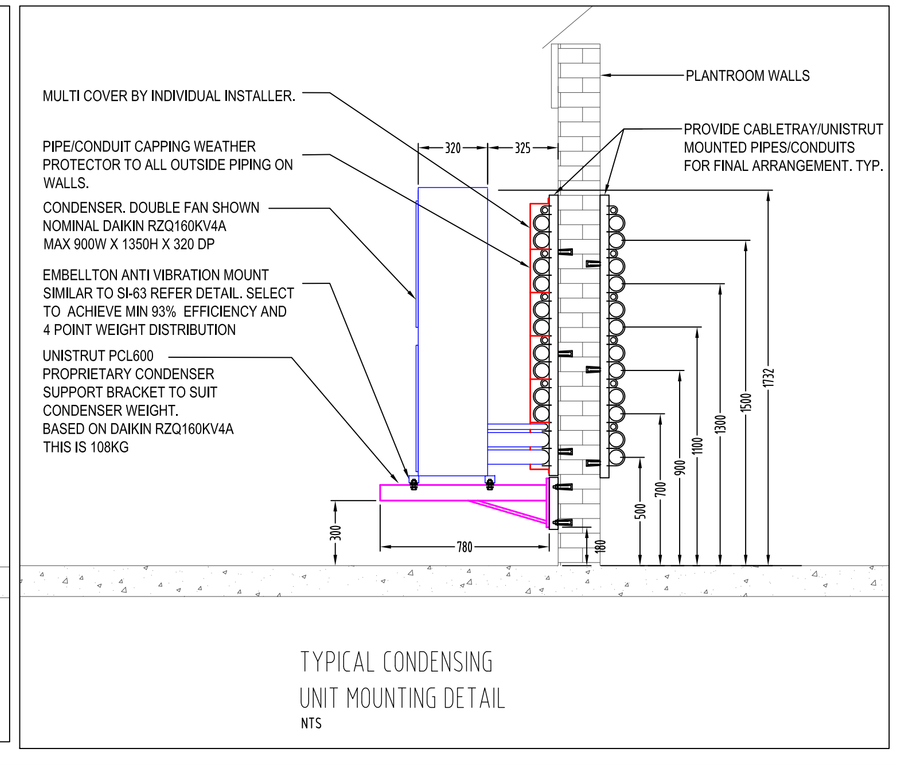
TYPICAL FIRE RATED SLAB-PIPE PENETRATION DETAIL
NTS



TYPICAL INSTALLATION OF CONDENSING UNITS
NTS



TYPICAL LOUVRE MOUNTING DETAIL
NTS



TYPICAL CONDENSING UNIT MOUNTING DETAIL
NTS

MECHANICAL CONTRACTOR

PJS AIR
Air Conditioning Engineering and Installation.
UNIT 12, 2 GARLING ROAD KINGS PARK NSW 2148
PHONE: 02 96763611 FAX: 02 96763625

CONSULTANT
COLIN SHEARS & ASSOCIATES
CONSULTING ENGINEERS
29 Yallara Crescent, Thornleigh, NSW, 2120
CSA
Telephone 0419 015 453
e-mail: colin.s@csaconsulting.com.au

PROJECT
IORA APARTMENTS
KIRRIBILLI. NSW

TITLE
MECHANICAL SERVICED
BUILDING 3- AIR CONDITIONING
PLANTROOM PLAN AND ELEVATION

DRAWN BY: MT	TYPE OF ISSUE: SHOP DRAWING
CHECKED BY: PJ	JOB No.: 20311
SCALE: 1:20@A1	DRAWING No.: MS-08
ISSUE DATE: MAY '13	REVISION: A