

CAR PARK EXHAUST DUCTWORK TO DROP DOWN TO LOW LEVEL EXPOSED ABOVE CAR RAMP TO ALIGN WITH LOW LEVEL PENETRATION INTO SERVICES RISER.

600W x 300H WEATHERPROOF LOUVRE TO SERVE TENANCY EXHAUST SYSTEM. LOUVRE TO BE PROVIDED BY BUILDER, TYPICAL.

BIN ROOM EXHAUST SYSTEM TO INCORPORATE EGGRATE TYPE GRILLES CONNECTED DIRECTLY INTO SIDE OF DUCTWORK. DUCT TO RUN EXPOSED THROUGH BIN ROOM.

BIN ROOM MAKEUP AIR VIA LOUVRED DOOR. DOOR TO BE PROVIDED WITH LOUVRE WITH MINIMUM 0.18m² FREE AREA. LOUVRES TO BE PROVIDED BY BUILDER.

GENERAL EXHAUST AIR SYSTEM TO SERVE BIN ROOM. DISCHARGE VIA 600W x 450H WEATHERPROOF LOUVRE. LOUVRE TO BE PROVIDED BY BUILDER, TYPICAL.

LOCATION FOR OUTDOOR CONDENSING UNITS SERVING TENANCIES MOUNTED AT HIGH LEVEL.

JET VENT TYPE FAN TO PROVIDE MECHANICAL VENTILATION TO GROUND FLOOR CAR PARK ENCLOSURE. LOCATION OF FAN TO SUIT STRUCTURAL BEAM ARRANGEMENT TO PROVIDE AIR MOVEMENT REQUIRED.

HATCHING TO SHOW INDICATIVE LOCATION OF STRUCTURAL BAND BEAMS. COORDINATE PIPEWORK ROLL OVERS WITH BEAMS. COORDINATE JET VENT FAN CPEF.02 TO BE CENTERED BETWEEN BEAMS. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL LAYOUT.

REFRIGERANT PIPEWORK RISING TO LEVEL 1 ABOVE THROUGH SLAB.

OUTDOOR CONDENSING UNITS SERVING GROUND FLOOR AND LEVEL 1 TENANCIES MOUNTED TO CAR PARK WALL AT HIGH LEVEL. CONDENSATE TO DROP TO TUNDISH IN BASEMENT LEVEL BELOW. TUNDISH PROVIDED BY HYDRAULIC CONTRACTOR, TYPICAL.

3000x300 WEATHER PROOF LOUVRE TO PROVIDE OUTSIDE AIR TO TENANCY. LOUVRE PROVIDED BY OTHERS, TYPICAL. LOUVRE FITTED WITH CUSHION HEAD PLENUM AND BLANKED OFF FOR FUTURE CONNECTION.

Check peno 30mm each side clearance

CAR PARK EXHAUST DUCT TO PENETRATE EXTERNAL WALL TO ENTER INTO SERVICES RISER. ALL DUCTWORK BETWEEN GROUND FLOOR RISER AND SERVICES RISER TO BE FIRE WRAPPED AND SEALED AT PENETRATIONS TO MAINTAIN FIRE RATING.

1000x700 INTERNAL DIMENSION FIRE RATED RISER FOR CAR PARK EXHAUST DUCT TO RISE THROUGH GROUND FLOOR TENANCY AND ROLLOVER WITHIN CEILING SPACE.

3000x200 WEATHER PROOF LOUVRE TO PROVIDE OUTSIDE AIR AND KITCHEN EXHAUST MAKE UP AIR TO TENANCY. LOUVRE PROVIDED BY BUILDER, TYPICAL. LOUVRE FITTED WITH CUSHION HEAD PLENUM AND BLANKED OFF FOR FUTURE CONNECTION.

TENANCY KITCHEN EXHAUST DUCTWORK TO BE TERMINATED AND BLANKED OFF WITHIN TENANCY FOR FUTURE CONNECTION. ACCESS PANEL TO BE PROVIDED IN DUCT ADJACENT BEND TO VERTICAL RISER FOR CLEANING ACCESS.

CAFE/LOBBY AREA TO BE PROVIDED WITH NATURAL VENTILATION VIA ENTRANCE DOORWAY.

TENANCY KITCHEN EXHAUST AND CAR PARK EXHAUST DUCTWORK RISER TO ROOF LEVEL ABOVE. DUCT RISERS TO BE SEPARATED AND FIRE RATING MAINTAIN BETWEEN EACH OTHER.

RETURN AIR FOR CAFE/LOBBY AREA TO BE VIA SIDEWALL GRILLE BELOW BULKHEAD, INTO VOID AREA. RETURN AIR DUCT ROLLOVER TO PENETRATE PRE-CAST WALL AND CONNECT INTO FAN COIL UNIT.

FAN COIL UNIT SERVING CAFE/LOBBY AREA TO BE LOCATED EXPOSED, AT HIGH LEVEL IN GROUND FLOOR CAR PARK. SUPPLY AIR DUCTWORK TO BE PROVIDED WITH BULKHEAD IN AREA IN FRONT OF LIFT SHAFT. SUPPLY AIR TO BE VIA LINEAR BAR GRILLES MOUNTED IN THE BULKHEAD SIDEWALL.

3000x200 WEATHER PROOF LOUVRE TO PROVIDE OUTSIDE AIR AND KITCHEN EXHAUST MAKE UP AIR TO TENANCY. LOUVRE PROVIDED BY BUILDER, TYPICAL. LOUVRE FITTED WITH CUSHION HEAD PLENUM AND BLANKED OFF FOR FUTURE CONNECTION.

VOLUME CONTROL DAMPER TO BE PROVIDED IN EXHAUST DUCTWORK FOR COMMISSIONING, TYPICAL FOR TENANCY TOILET EXHAUST SYSTEMS.

TOILET EXHAUST SYSTEM PROVIDED FOR TENANCY BASE BUILDING. EXHAUST FAN LOCATED AT ROOF LEVEL.

TENANCY KITCHEN EXHAUST AIR DUCTWORK TO BE TERMINATED AND BLANKED OFF WITHIN TENANCY FOR FUTURE CONNECTION. ACCESS PANEL TO BE PROVIDED IN DUCTWORK ADJACENT BEND TO VERTICAL RISER FOR CLEANING ACCESS. FIRE RATED ACCESS PANEL TO BE PROVIDED IN FIRE RATED BULKHEAD CEILING FOR ACCESS TO DUCTWORK.

3000x200 WEATHER PROOF LOUVRE TO PROVIDE OUTSIDE AIR AND KITCHEN EXHAUST MAKE UP AIR TO TENANCY. LOUVRE PROVIDED BY BUILDER, TYPICAL. LOUVRE FITTED WITH CUSHION HEAD PLENUM AND BLANKED OFF FOR FUTURE CONNECTION.

ALL COMMERCIAL TENANCY UNITS ARE TO BE PROVIDED WITH SUPPLY AIR DUCT STARTER PIECES, RETURN AIR PLENUMS, FLEXIBLE CONNECTIONS ONLY. PROPRIETARY CONTROL PANELS AND TEMPERATURE SENSORS ARE TO BE PROVIDED IN CEILING SPACE ADJACENT WITH 20m OF CABLE LENGTH FOR FUTURE FITOUT.

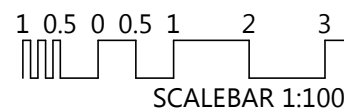
LARGER TENANCIES PROVIDED WITH MULTIPLE DUCTED UNITS TO SERVE INTERNAL AND PERIMETER ZONES.

HATCH AREA INDICATING FIRE RATED BULKHEAD/CEILING AREA FOR SERVICES ABOVE FIRE STAIR EGRESS PATH. ACCESS PANEL TO BE PROVIDED WITH FIRE RATED ACCESS PANEL IN CEILING TO CLEAN DUCTWORK.

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FOR CONSTRUCTION



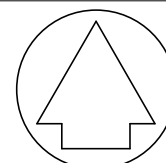
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GEMMA | LEA
DESIGN STUDIO

LUCID
CONSULTING AUSTRALIA
Level 3/169, Pirie St Adelaide SA 5000
Phone: (08) 8407 9700
Email: adelaide@lucidconsulting.com.au

PROJECT
HYDE PARK PLACE
248 UNLEY ROAD, HYDE PARK
MECHANICAL SERVICES
DRAWING
GROUND FLOOR MECHANICAL SERVICES
ARRANGEMENT



NOT FOR CONSTRUCTION PURPOSES UNLESS STAMPED FOR CONSTRUCTION. VERIFY DIMENSIONS AND LEVELS ON SITE BEFORE SETTING OUT. DO NOT SCALE. REFER TO FIGURED DIMENSIONS - IN mm UNLESS OTHERWISE STATED.

Scale	Design: JD/TC	No. in Set	Date
1 : 100	Drawn: JD	5 of 15	JAN 2020
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