LINEAR SLOT DIFFUSERS IN CEILING TO PROVIDE SUPPLY. SUPPLY AIR TO BE PROVIDED ACROSS EVERY GLAZING ELEMENT IN POOL AREA. CONTINUOUS SLOT TO RUN LENGTH OF WESTERN GLAZING WITH ACTIVE AREA SUPPLY GRILLES. UN-USED SECTIONS OF GRILLE TO BE BLANKED OFF WITH FABRIC OF EQUAL R-VALUE AS ADJACENT CEILING. BLANKED OFF SECTIONS TO BE SEALED APPROPRIATELY TO PREVENT LEAKING OF CORROSIVE POOL AREA AIR INTO CEILING SPACE.

METERING PLATE WITHIN DUCTWORK TO BALANCE OUTLETS ABOVE POOL.

POOL AHU TO HAVE TEMPERATURE SENSOR LOCATED WITHIN POOL AREA. ASSOCIATED CONTROL PANEL TO BE LOCATED WITHIN POOL STORE ROOM ON LEVEL 2.

POOL AHU, PLANT ROOM AND STORAGE UNITS EXHAUST AIR RISERS FROM BELOW RISING TO ROOF LEVEL ABOVE IN SERVICES RISER ADJACENT BIN CHUTE.

LEVEL 2 APARTMENTS TO HAVE OUTDOOR CONDENSING UNIT LOCATED ON ASSOCIATED BALCONY IN LOUVRED CABINETS PROVIDED BY BUILDER, TYPICAL. CABINETS TO INCLUDE STORMWATER DRAINAGE FOR CONNECTION OF CONDENSATE DRAINAGE.

EACH SEPARATE APARTMENT TOILET AREA IS TO BE PROVIDED WITH INDIVIDUAL EXHAUST SYSTEM CONNECTING INTO A COMMON DUCTWORK FOR DISCHARGING VIA LINEAR BAR GRILLE IN SOFFIT CEILING, TYPICAL.

RETURN AIR GRILLES SERVING APARTMENT FAN COIL UNITS TO INCORPORATE FILTERS IN GRILLE FACE, TYPICAL.

TYPICAL APARTMENT RANGEHOOD AND TOILET EXHAUST AIR TO DISCHARGE TO BALCONY AREA VIA GRILLE IN SOFFIT CEILING, TYPICAL. EXHAUST SYSTEMS TO UTILISE FLAT PACK TYPE PVC DUCTWORK, TYPICAL.

FLATPACK EXHAUST SYSTEM TO BE PROVIDED WITH FITTING CONNECTION INTO PROPRIETARY RANGEHOOD. RANGEHOOD TO BE PROVIDED BY BUILDER, TYPICAL.

DIVERSITY FACTOR OF NO MORE THAN TWO SPACES IN OPERATION AT ANY TIME IS CONSIDERED TO SIZE THE FLAT PACK TYPE DUCTWORK WHEN MULTIPLE APARTMENT EXHAUST SYSTEMS ARE COMBINED INTO A COMMON DUCT SYSTEM, TYPICAL.

GYM/YOGA ARE TO BE SERVED BY CEILING MOUNTED CASSETTE TYPE INDOOR UNIT. OUTSIDE AIR TO ALSO BE PROVIDED FOR VENTILATION AND ALSO TO CREATE A POSITIVE PRESSURE SPACE, REDUCING IMPACT OF CORROSIVE ENVIRONMENT OF POOL AREA ADJACENT.

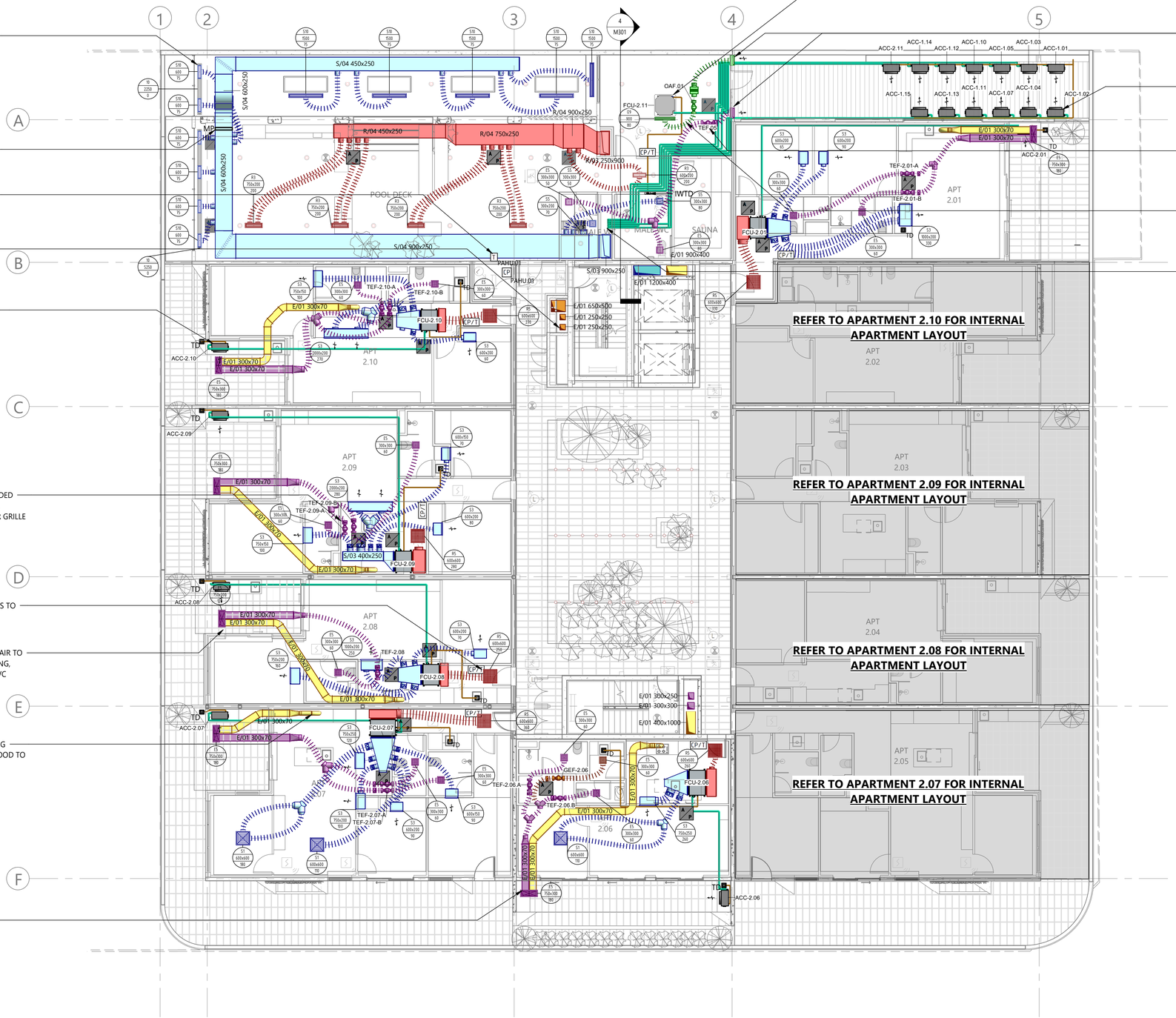
450W x 200H WEATHER PROOF LOUVRE TO PROVIDE OUTSIDE AIR FOR GYM/YOGA SPACE AND EXHAUST DISCHARGE FOR POOL AMENITIES AREAS. LOUVRES TO BE INSTALLED WITH MAXIMUM SEPARATION FROM EACH OTHER. LOUVRES TO BE PROVIDED BY BUILDER, TYPICAL.

LEVEL 2 ROOF SECTION TO HAVE OUTDOOR CONDENSING UNITS SERVING LEVEL 1 STUDIO APARTMENTS AND GYM/YOGA ROOM MOUNTED ON. LEVEL 2 ROOF MOUNTED UNITS SHALL HAVE CONDENSATE DRAINAGE CONNECTED TO COMMON CONDENSATE PIPE DROPPING OVER INTO STORMWATER DRAINAGE GUTTER. PROVIDE AIR GAP SEPERATION AS PER MECHANICAL SPECIFICATION.

TOILET EXHAUST AIR SYSTEM SERVING POOL COMMON AMENITIES AREAS. SYSTEM TO INCORPORATE IN-LINE DUCTED FAN, EGGCRATE TYPE CEILING GRILLES, FLEXIBLE DUCTWORK AND VOLUME CONTROL DAMPERS FOR EACH SPACE SERVED. EXHAUST DISCHARGE VIA WEATHER PROOF LOUVRE. LOUVRE TO BE PROVIDED BY OTHERS.

OUTSIDE AIR SYSTEM SERVING GYM/YOGA AREA. SYSTEM TO INCORPORATE IN-LINE DUCTED FAN, FILTER PLENUM BOX, BACK DRAFT DAMPER, FLEXIBLE DUCT AND LINEAR SLOT DIFFUSER. AIR INTAKE TO BE VIA WEATHER PROOF LOUVRE, LOUVRE BY OTHERS.

REFRIGERANT PIPEWORK RETICULATING TO LEVEL 1 STUDIO APARTMENTS TO UTILISE SERVICES RISER BETWEEN POOL AREA TOILETS. COORDINATE PIPEWORK RISERS WITH OTHER SERVICES, TYPICAL.



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THE PURPOSE OF THIS DOCUMENT IS INTENDED TO BE VIEWED OR PRINTED IN COLOUR FOR THE FULL EXTENT OF THE SCOPE OF WORKS TO BE SHOWN.

CITIFY bfc GEMMA LEA DESIGN STUDIO

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PROJECT
HYDE PARK PLACE
248 UNLEY ROAD, HYDE PARK
MECHANICAL SERVICES

DRAWING
2ND 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.

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