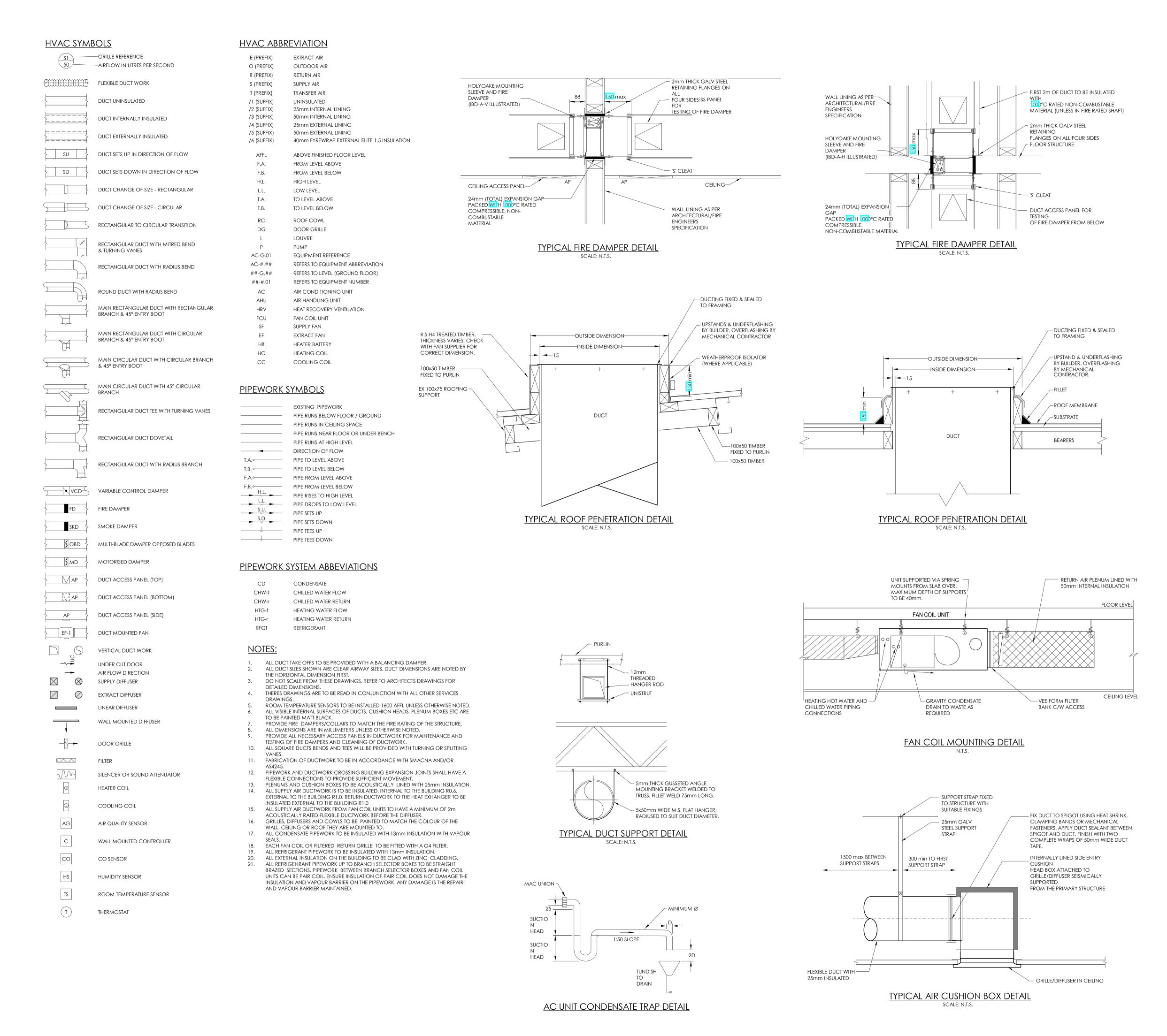
METLIFECARE GULF RISE 65 HIBISCUS COAST HIGHWAY, RED BEACH

BUILDING 7 MECHANICAL SERVICES FOR CONSTRUCTION

DRAWING INDEX

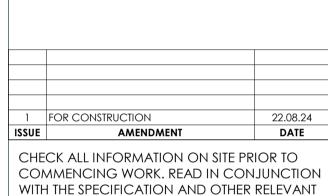
NUMBER	NAME	ISSUE	AMENDMENT	DATE
M001	STANDARD SYMBOLS LEGEND & DETAILS	1	FOR CONSTRUCTION	22.08.2
M101	HVAC DUCTWORK LAYOUT LEVEL 01	1	FOR CONSTRUCTION	22.08.2
M102	HVAC DUCTWORK LAYOUT LEVEL 02	1	FOR CONSTRUCTION	22.08.2
M103	HVAC DUCTWORK LAYOUT LEVEL 03	1	FOR CONSTRUCTION	22.08.2
M104	HVAC DUCTWORK LAYOUT LEVEL 04	1	FOR CONSTRUCTION	22.08.2
M105	HVAC DUCTWORK LAYOUT LEVEL 05	1	FOR CONSTRUCTION	22.08.2
M106	HVAC DUCTWORK LAYOUT LEVEL 06	1	FOR CONSTRUCTION	22.08.2
M107	HVAC DUCTWORK LAYOUT ROOF	1	FOR CONSTRUCTION	22.08.2
M201	HVAC PIPEWORK & CONTROLS LAYOUT LEVEL 01	1	FOR CONSTRUCTION	22.08.2
M202	HVAC PIPEWORK & CONTROLS LAYOUT LEVEL 02	1	FOR CONSTRUCTION	22.08.2
M203	HVAC PIPEWORK & CONTROLS LAYOUT LEVEL 03	1	FOR CONSTRUCTION	22.08.2
M204	HVAC PIPEWORK & CONTROLS LAYOUT LEVEL 04	1	FOR CONSTRUCTION	22.08.2
M205	HVAC PIPEWORK & CONTROLS LAYOUT LEVEL 05	1	FOR CONSTRUCTION	22.08.2
M206	HVAC PIPEWORK & CONTROLS LAYOUT LEVEL 06	1	FOR CONSTRUCTION	22.08.2
M301	MECHANICAL DETAILS	1	FOR CONSTRUCTION	22.08.2
M401	MECHANICAL SCHEMATIC	1	FOR CONSTRUCTION	22.08.2





NOTES:

- SOME SYMBOLS ON THIS LEGEND MAY NOT BE APPLICABLE TO THIS PROJECT.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SET-OUT OF ALL CEILING MOUNTED
- REFER TO THE ENGINEERS SPECIFICATION FOR FURTHER INFORMATION.



ORIGINAL DRAWINGS PRODUCED WITH COLOUR

DRAWINGS AND DOCUMENTS



METLIFECARE GULF RISE 65 HIBISCUS COAST HIGHWAY, RED BEACH BUILDING 7

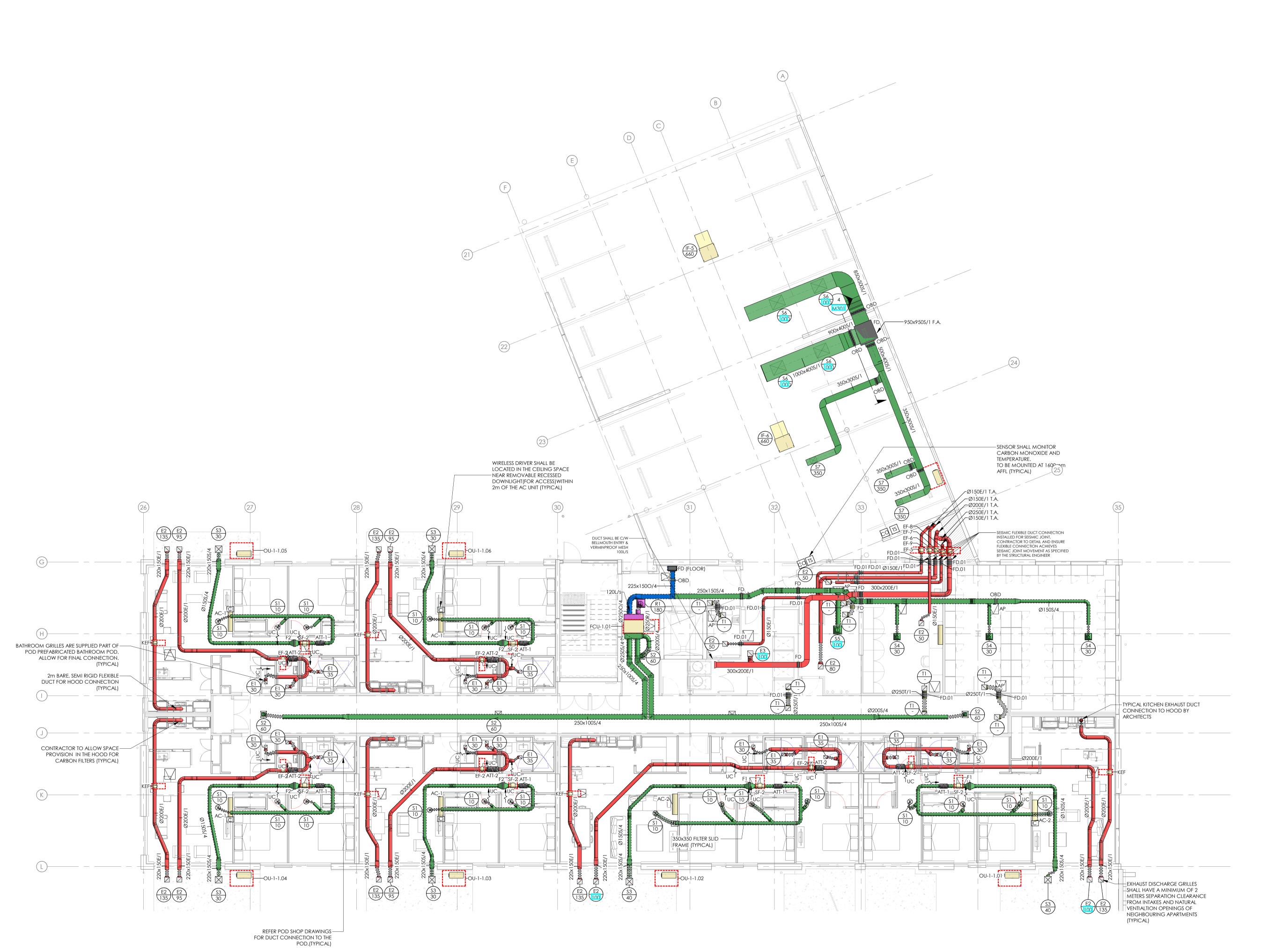
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STANDARD SYMBOLS LEGEND & DETAILS

FOR CONSTRUCTION designed: SR

DRAWN: SN | SCALE @ A1: 1:100 CA17016-7

22.08.24



FCU CONTROLLER LOCATIONS TO BE AGREED WITH

CLIENT/ARCHITECT. 20mm DOOR UNDER CUTS TO ALL INTERNAL DOORS FOR

ZUMM DOOR UNDER CUTS TO ALL INTERNAL DOORS FOR SPILL/MAKEUP AIR PATHS.

FANS TO BE ISOLATED FROM THE STRUCTURE ON THE APARTMENT BY NEOPRENE PADS ON SPRINGS TO REDUCE VIBRATION AND NOISE TRANSFER OF THE STRUCTURE.

MECHANICAL CONTRACTOR TO COORDINATE WITH MAIN CONTRACTOR IN LOCATING FAN ACCESS PANELS AND GRILLES.

FINAL LOCATIONS DICTATED BY CEILING SERVICES COORDINATION / STRUCTURE LOCATIONS OF A ACCESS WITH A POPULIFICATION IN LINE WITH

STRUCTURE - LOCATIONS TO BE AGREED WITH ARCHITECT IN LINE WITH VCDs TO BE PROVIDED AT GRILLE TO EACH DUCT TAKE-OFF. REFRIGERANT PIPE ROUTE INDICATIVE ONLY. PIPEWORK TO BE RUN NEATLY ON CABLE TRAY WHERE EXPOSED (LOWER ROOF).

NEATLY ON CABLE TRAY WHERE EXPOSED (LOWER ROOF).
FIRE DAMPERS THROUGH ALL FIRE RATED WALLS AND FLOORS IN
ACCORDANCE WITH FIRE REPORT.
CONDENSING DRYERS TO BE SPECIFIED TO ALL LAUNDRIES. NO
PROVISION FOR VENTED DRYERS, WHERE LAUNDRY IS IN A
CUPBOARD A CEILING EXTRACT GRILLE WILL BE PROVIDED.
ELECTRIC UNDERFLOOR HEATING TO BATHROOM ONLY. SEE
ELECTRICAL DRAWING FOR DETAILS.

EACH CORRIDOR FAN COIL UNIT/FILTERED RETURN GRILLE TO BE FITTED WITH A G4 FILTER. HITED WITH A G4 FILTER.
REFRIGERANT PIPE RISES TO SERVE LEVEL BELOW/ABOVE, REFER TO
SPECIFICATION SECTION F FOR PIPEWORK SPACING REQUIREMENTS

IN TIMBER STRUCTURE.

OUTDOOR CONDENSER UNITS ARE TO BE INSTALLED IN

ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.

INSTALLATION TO BE OPEN TO ATMOSPHERE AND MOUNTED

MINIMUM 500mm OFF UNDERSIDE OF SLAB, 100mm OFF WALL.

MINIMUM OF 500mm CLEAR BESIDE UNITS FOR MAINTENANCE. UNITS TO BE BRACED WITH APPROPRIATE EQUIPMENT PLATFORM/PLINTH/MONKEY TOE C/W SEISMIC RESTRAINTS.
CONTRACTOR TO VERIFY FINAL REFRIGERANT PIPE LENGTHS ARE
WITHIN OUTDOOR UNITS LIMITS BEFORE INSTALLATION, CONSULTANT
TO BE NOTIFIED OTHERWISE. CONTRACTOR TO ALLOW CONDENSATES
FROM STACKED/WALL MOUNTED UNITS TO BE COMBINED AND RUN

NEATLY TO NEAREST GARDEN BED / CHANNEL DRAIN.
ALL PENETRATIONS THROUGH THE BUILDING ENVELOPE ARE TO BE ALL PENEIRATIONS THROUGH THE BUILDING ENVELOPE ARE TO BE SEALED AND WEATHERPROOFED OVER FLASHINGS TO BE INSTALLED TO ALL ROOF PENETRATIONS BY MECHANICAL CONTRACTOR ALL MECHANICAL SERVICES ARE TO BE SEISMICALLY RESTRAINED IN ACCORDANCE WITH NZS4219:2009

A MINIMUM OF 2m LONG BARE, SEMI-RIGID FLEXIBLE DUCT WILL BE REQUIRED BEFORE THE CORRIDOR GRILLES ON EACH LEVEL

TUNDISHES PROVIDED BY HYDRAULIC TRADE. CONTRACTOR TO COORDINATE FINAL PIPEWORK TERMINATIONS ON SITE. REFER TO

HYDRAULICS DRAWINGS FOR LOCATIONS OF TUNDISHES.
FLEXIBLE DUCTWORK LENGTHS SHALL NOT EXCEED 3m, RIGID DUCT
TO BE USED FOR CONNECTION IF LENGTHS EXCEED 3m.

1 FOR CONSTRUCTION

AMENDMENT DATE ISSUE CHECK ALL INFORMATION ON SITE PRIOR TO COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS

22.08.24

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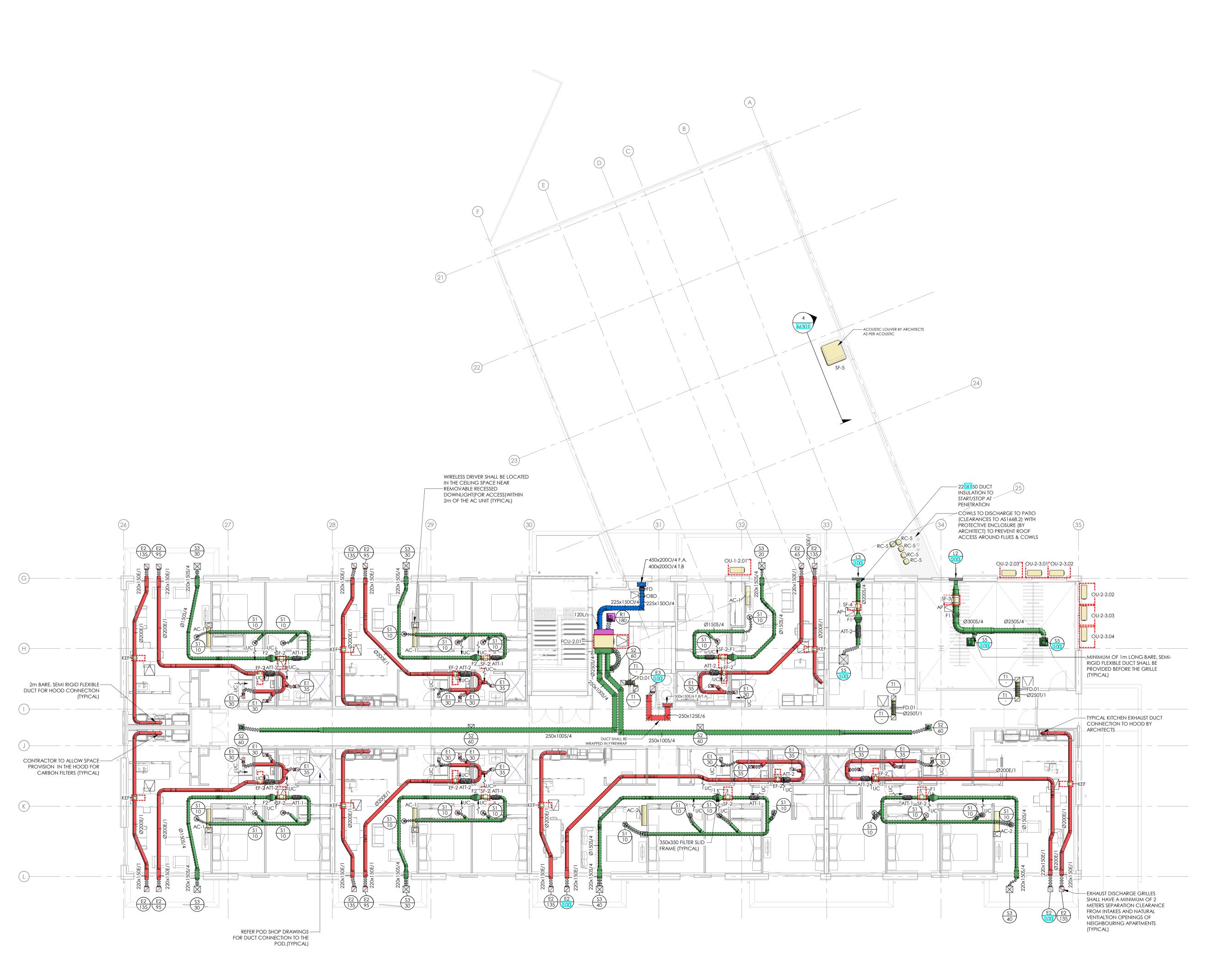
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METLIFECARE GULF RISE 65 HIBISCUS COAST HIGHWAY, RED BEACH BUILDING 7

HVAC DUCTWORK LAYOUT LEVEL 01

FOR CONSTRUCTION

DRAWN: SN | SCALE @ A1: 1:100 CA17016-7



ZUMM DOOR UNDER CUTS TO ALL INTERNAL DOORS FOR SPILL/MAKEUP AIR PATHS.

FANS TO BE ISOLATED FROM THE STRUCTURE ON THE APARTMENT BY NEOPRENE PADS ON SPRINGS TO REDUCE VIBRATION AND NOISE TRANSFER OF THE STRUCTURE.

MECHANICAL CONTRACTOR TO COORDINATE WITH MAIN CONTRACTOR IN LOCATING FAN ACCESS PANELS AND GRILLES.

FINAL LOCATIONS DICTATED BY CEILING SERVICES COORDINATION / STRUCTURE LOCATIONS OF A ACCESS WITH A POPULIFICATION IN LINE WITH

STRUCTURE - LOCATIONS TO BE AGREED WITH ARCHITECT IN LINE WITH VCDs TO BE PROVIDED AT GRILLE TO EACH DUCT TAKE-OFF. REFRIGERANT PIPE ROUTE INDICATIVE ONLY, PIPEWORK TO BE RUN NEATLY ON CABLE TRAY WHERE EXPOSED (LOWER ROOF).

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CONDENSING DRYERS TO BE SPECIFIED TO ALL LAUNDRIES, NO
PROVISION FOR VENTED DRYERS, WHERE LAUNDRY IS IN A
CUPBOARD A CEILING EXTRACT GRILLE WILL BE PROVIDED.
ELECTRIC UNDERFLOOR HEATING TO BATHROOM ONLY. SEE
ELECTRICAL DRAWING FOR DETAILS.

EACH CORRIDOR FAN COIL UNIT/FILTERED RETURN GRILLE TO BE FITTED WITH A G4 FILTER.

HITED WITH A G4 FILTER.
REFRIGERANT PIPE RISES TO SERVE LEVEL BELOW/ABOVE, REFER TO
SPECIFICATION SECTION F FOR PIPEWORK SPACING REQUIREMENTS IN TIMBER STRUCTURE.

OUTDOOR CONDENSER UNITS ARE TO BE INSTALLED IN

ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.

INSTALLATION TO BE OPEN TO ATMOSPHERE AND MOUNTED

MINIMUM 500mm OFF UNDERSIDE OF SLAB, 100mm OFF WALL.

MINIMUM OF 500mm CLEAR BESIDE UNITS FOR MAINTENANCE, UNITS TO BE BRACED WITH APPROPRIATE EQUIPMENT PLATFORM/PLINTH/MONKEY TOE C/W SEISMIC RESTRAINTS.
CONTRACTOR TO VERIFY FINAL REFRIGERANT PIPE LENGTHS ARE
WITHIN OUTDOOR UNITS LIMITS BEFORE INSTALLATION, CONSULTANT
TO BE NOTIFIED OTHERWISE. CONTRACTOR TO ALLOW CONDENSATES
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ALL PENETRATIONS THROUGH THE BUILDING ENVELOPE ARE TO BE

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A MINIMUM OF 2m LONG BARE, SEMI-RIGID FLEXIBLE DUCT WILL BE REQUIRED BEFORE THE CORRIDOR GRILLES ON EACH LEVEL

TUNDISHES PROVIDED BY HYDRAULIC TRADE, CONTRACTOR TO COORDINATE FINAL PIPEWORK TERMINATIONS ON SITE, REFER TO

HYDRAULICS DRAWINGS FOR LOCATIONS OF TUNDISHES. FLEXIBLE DUCTWORK LENGTHS SHALL NOT EXCEED 3m, RIGID DUCT TO BE USED FOR CONNECTION IF LENGTHS EXCEED 3m.

1 FOR CONSTRUCTION

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CHECK ALL INFORMATION ON SITE PRIOR TO COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS

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ORIGINAL DRAWINGS PRODUCED WITH COLOUR

AMENDMENT



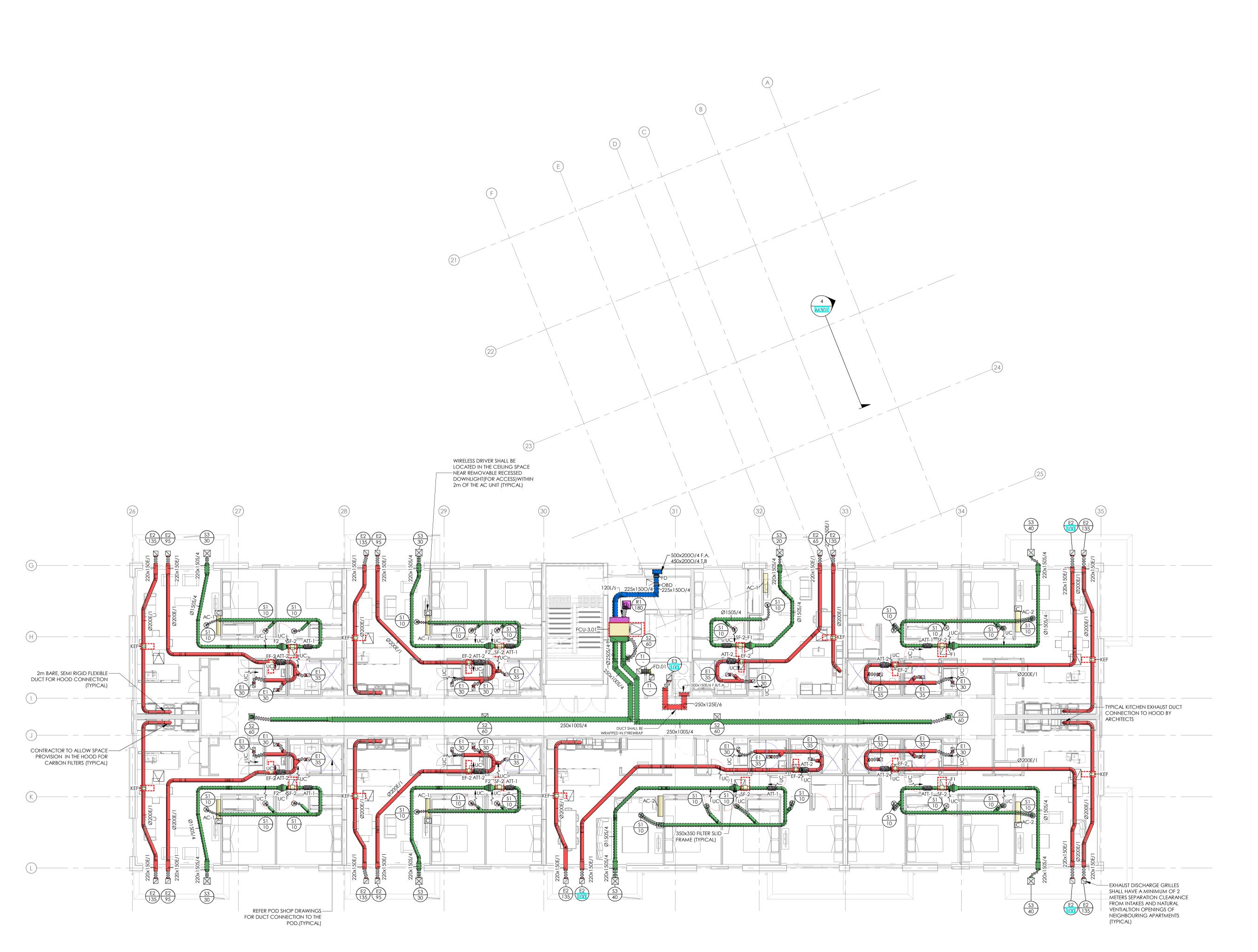
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METLIFECARE GULF RISE 65 HIBISCUS COAST HIGHWAY, RED BEACH BUILDING 7

HVAC DUCTWORK LAYOUT LEVEL 02

FOR CONSTRUCTION

DRAWN: SN | SCALE @ A1: 1:100 CA17016-7



- 20mm DOOR UNDER CUTS TO ALL INTERNAL DOORS FOR SPILL/MAKEUP AIR PATHS.
 FANS TO BE ISOLATED FROM THE STRUCTURE ON THE APARTMENT BY NEOPRENE PADS ON SPRINGS TO REDUCE VIBRATION AND NOISE TRANSFER OF THE STRUCTURE.

 MECHANICAL CONTRACTOR TO COORDINATE WITH MAIN CONTRACTOR IN LOCATING FAN ACCESS PANELS AND GRILLES.
 FINAL LOCATIONS DICTATED BY CEILING SERVICES COORDINATION / STRUCTURE LOCATIONS TO BE AGREED WITH ARCHITECT IN LINE WITH RCP.
- VCDs TO BE PROVIDED AT GRILLE TO EACH DUCT TAKE-OFF. REFRIGERANT PIPE ROUTE INDICATIVE ONLY, PIPEWORK TO BE RUN NEATLY ON CABLE TRAY WHERE EXPOSED (LOWER ROOF).
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 PROVISION FOR VENTED DRYERS, WHERE LAUNDRY IS IN A
 CUPBOARD A CEILING EXTRACT GRILLE WILL BE PROVIDED.
 ELECTRIC UNDERFLOOR HEATING TO BATHROOM ONLY. SEE
 ELECTRICAL DRAWING FOR DETAILS.
- ELECTRICAL DRAWING FOR DETAILS.

 EACH CORRIDOR FAN COIL UNIT/FILTERED RETURN GRILLE TO BE FITTED WITH A G4 FILTER.

 REFRIGERANT PIPE RISES TO SERVE LEVEL BELOW/ABOVE. REFER TO SPECIFICATION SECTION F FOR PIPEWORK SPACING REQUIREMENTS
- IN TIMBER STRUCTURE.

 OUTDOOR CONDENSER UNITS ARE TO BE INSTALLED IN

 ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.

 INSTALLATION TO BE OPEN TO ATMOSPHERE AND MOUNTED

 MINIMUM 500mm OFF UNDERSIDE OF SLAB, 100mm OFF WALL. MINIMUM OF 500mm CLEAR BESIDE UNITS FOR MAINTENANCE, UNITS TO BE BRACED WITH APPROPRIATE EQUIPMENT
- PLATFORM/PLINTH/MONKEY TOE C/W SEISMIC RESTRAINTS.
 CONTRACTOR TO VERIFY FINAL REFRIGERANT PIPE LENGTHS ARE
 WITHIN OUTDOOR UNITS LIMITS BEFORE INSTALLATION, CONSULTANT
 TO BE NOTIFIED OTHERWISE. CONTRACTOR TO ALLOW CONDENSATES
 FROM STACKED/WALL MOUNTED UNITS TO BE COMBINED AND RUN
- FROM STACKED/WALL MOUNTED UNITS TO BE COMBINED AND RUN
 NEATLY TO NEAREST GARDEN BED / CHANNEL DRAIN.
 ALL PENETRATIONS THROUGH THE BUILDING ENVELOPE ARE TO BE
 SEALED AND WEATHERPROOFED
 OVER FLASHINGS TO BE INSTALLED TO ALL ROOF PENETRATIONS BY
 MECHANICAL CONTRACTOR
 ALL MECHANICAL SERVICES ARE TO BE SEISMICALLY RESTRAINED IN
 ACCORDANCE WITH NESA219:2009
 A MINIMUM OF THE ONLY RAPES SEAM PICCURE LEVIRE DUCT WILL BE

- A MINIMUM OF 2m LONG BARE, SEMI-RIGID FLEXIBLE DUCT WILL BE REQUIRED BEFORE THE CORRIDOR GRILLES ON EACH LEVEL
- TUNDISHES PROVIDED BY HYDRAULIC TRADE, CONTRACTOR TO COORDINATE FINAL PIPEWORK TERMINATIONS ON SITE, REFER TO
- HYDRAULICS DRAWINGS FOR LOCATIONS OF TUNDISHES.
 FLEXIBLE DUCTWORK LENGTHS SHALL NOT EXCEED 3m, RIGID DUCT
 TO BE USED FOR CONNECTION IF LENGTHS EXCEED 3m.

1 FOR CONSTRUCTION AMENDMENT

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DATE

ORIGINAL DRAWINGS PRODUCED WITH COLOUR



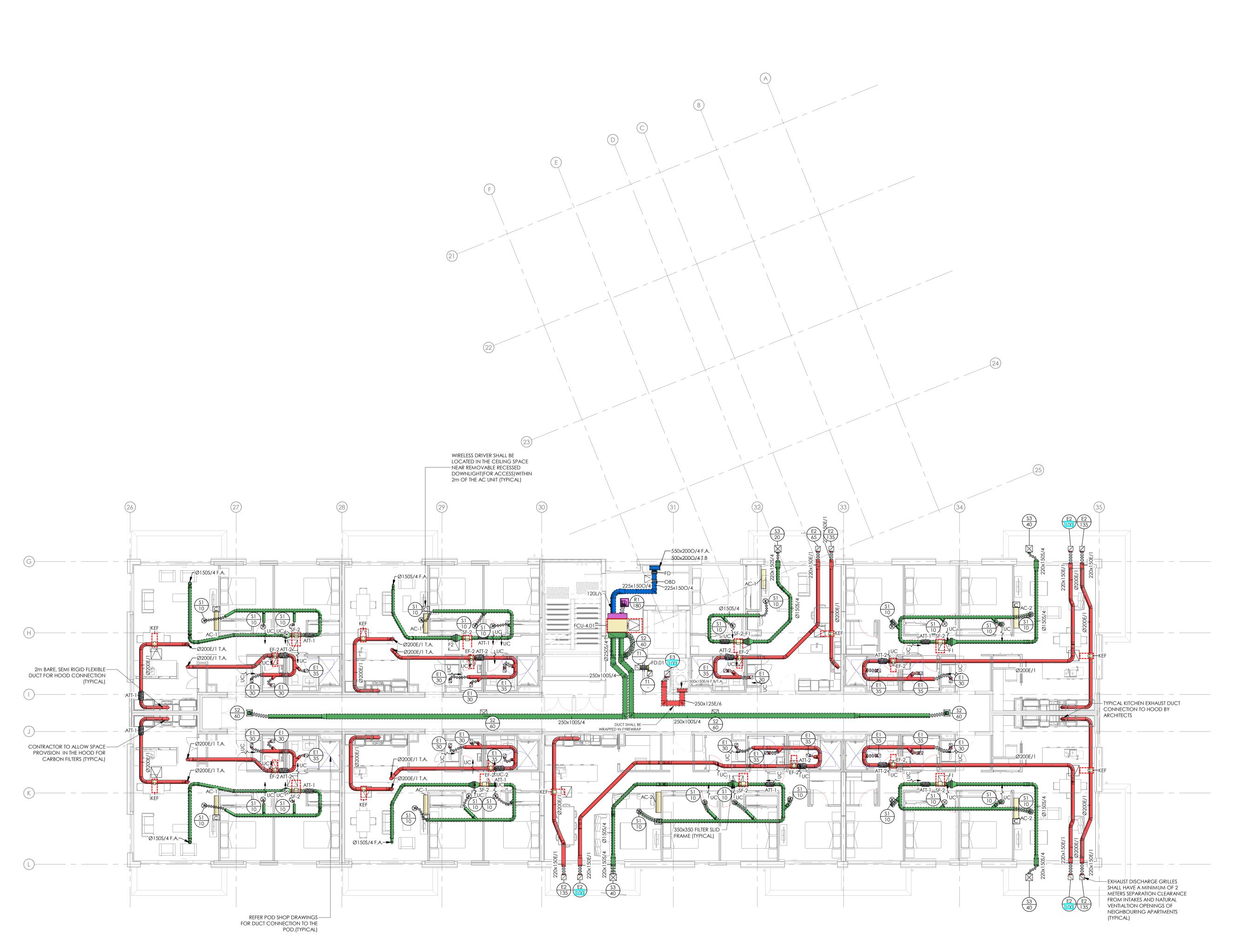
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METLIFECARE GULF RISE 65 HIBISCUS COAST HIGHWAY, RED BEACH BUILDING 7

HVAC DUCTWORK LAYOUT LEVEL 03

FOR CONSTRUCTION

DRAWN: SN | SCALE @ A1: 1:100 CA17016-7



20mm DOOR UNDER CUTS TO ALL INTERNAL DOORS FOR SPILL/MAKEUP AIR PATHS.
FANS TO BE ISOLATED FROM THE STRUCTURE ON THE APARTMENT BY NEOPRENE PADS ON SPRINGS TO REDUCE VIBRATION AND NOISE TRANSFER OF THE STRUCTURE.
MECHANICAL CONTRACTOR TO COORDINATE WITH MAIN CONTRACTOR IN LOCATING FAN ACCESS PANELS AND GRILLES.
FINAL LOCATIONS DICTATED BY CEILING SERVICES COORDINATION / STRUCTURE L. JOCATIONS TO BE AGPERED WITH A POCULTECT IN LINE WITH. STRUCTURE - LOCATIONS TO BE AGREED WITH ARCHITECT IN LINE WITH

VCDs TO BE PROVIDED AT GRILLE TO EACH DUCT TAKE-OFF. REFRIGERANT PIPE ROUTE INDICATIVE ONLY, PIPEWORK TO BE RUN NEATLY ON CABLE TRAY WHERE EXPOSED (LOWER ROOF).

NEATLY ON CABLE TRAY WHERE EXPOSED (LOWER ROOF).
FIRE DAMPERS THROUGH ALL FIRE RATED WALLS AND FLOORS IN
ACCORDANCE WITH FIRE REPORT.
CONDENSING DRYERS TO BE SPECIFIED TO ALL LAUNDRIES. NO
PROVISION FOR VENTED DRYERS, WHERE LAUNDRY IS IN A
CUPBOARD A CEILING EXTRACT GRILLE WILL BE PROVIDED.
ELECTRIC UNDERFLOOR HEATING TO BATHROOM ONLY. SEE
ELECTRICAL DRAWING FOR DETAILS.

ELECTRICAL DRAWING FOR DETAILS.

EACH CORRIDOR FAN COIL UNIT/FILTERED RETURN GRILLE TO BE FITTED WITH A G4 FILTER.

REFRIGERANT PIPE RISES TO SERVE LEVEL BELOW/ABOVE. REFER TO SPECIFICATION SECTION F FOR PIPEWORK SPACING REQUIREMENTS

IN TIMBER STRUCTURE.

OUTDOOR CONDENSER UNITS ARE TO BE INSTALLED IN

ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.

INSTALLATION TO BE OPEN TO ATMOSPHERE AND MOUNTED

MINIMUM 500mm OFF UNDERSIDE OF SLAB, 100mm OFF WALL.

MINIMUM OF 500mm CLEAR BESIDE UNITS FOR MAINTENANCE, UNITS TO BE BRACED WITH APPROPRIATE EQUIPMENT PLATFORM/PLINTH/MONKEY TOE C/W SEISMIC RESTRAINTS.
CONTRACTOR TO VERIFY FINAL REFRIGERANT PIPE LENGTHS ARE
WITHIN OUTDOOR UNITS LIMITS BEFORE INSTALLATION, CONSULTANT
TO BE NOTIFIED OTHERWISE. CONTRACTOR TO ALLOW CONDENSATES
FROM STACKED/WALL MOUNTED UNITS TO BE COMBINED AND RUN

NEATLY TO NEAREST GARDEN BED / CHANNEL DRAIN.
ALL PENETRATIONS THROUGH THE BUILDING ENVELOPE ARE TO BE

SEALED AND WEATHERPROOFED

OVER FLASHINGS TO BE INSTALLED TO ALL ROOF PENETRATIONS BY MECHANICAL CONTRACTOR

ALL MECHANICAL SERVICES ARE TO BE SEISMICALLY RESTRAINED IN ACCORDANCE WITH NZS4219:2009

A MINIMUM OF 2m LONG BARE, SEMI-RIGID FLEXIBLE DUCT WILL BE REQUIRED BEFORE THE CORRIDOR GRILLES ON EACH LEVEL TUNDISHES PROVIDED BY HYDRAULIC TRADE, CONTRACTOR TO COORDINATE FINAL PIPEWORK TERMINATIONS ON SITE, REFER TO

HYDRAULICS DRAWINGS FOR LOCATIONS OF TUNDISHES. FLEXIBLE DUCTWORK LENGTHS SHALL NOT EXCEED 3m, RIGID DUCT TO BE USED FOR CONNECTION IF LENGTHS EXCEED 3m.

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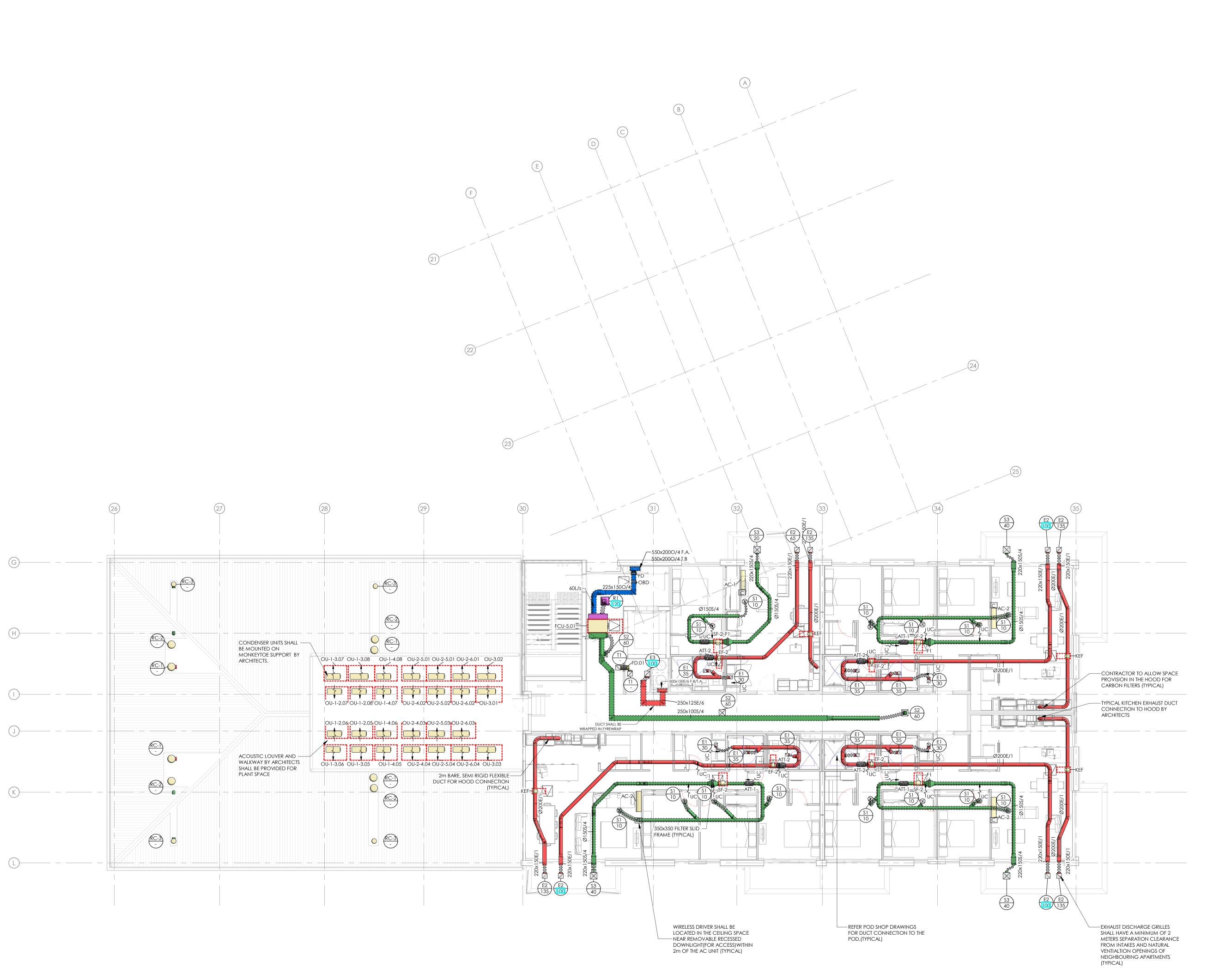
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METLIFECARE GULF RISE 65 HIBISCUS COAST HIGHWAY, RED BEACH BUILDING 7

HVAC DUCTWORK LAYOUT LEVEL 04

FOR CONSTRUCTION

DRAWN: SN | SCALE @ A1: 1: 100 CA17016-7



FCU CONTROLLER LOCATIONS TO BE AGREED WITH CLIENT/ARCHITECT. 20mm DOOR UNDER CUTS TO ALL INTERNAL DOORS FOR ZUMM DOOR UNDER CUTS TO ALL INTERNAL DOORS FOR SPILL/MAKEUP AIR PATHS.

FANS TO BE ISOLATED FROM THE STRUCTURE ON THE APARTMENT BY NEOPRENE PADS ON SPRINGS TO REDUCE VIBRATION AND NOISE TRANSFER OF THE STRUCTURE.

MECHANICAL CONTRACTOR TO COORDINATE WITH MAIN CONTRACTOR IN LOCATING FAN ACCESS PANELS AND GRILLES.

FINAL LOCATIONS DICTATED BY CEILING SERVICES COORDINATION / STRUCTURE LOCATIONS OF A ACCESS WITH A POPULIFICATION IN LINE WITH STRUCTURE - LOCATIONS TO BE AGREED WITH ARCHITECT IN LINE WITH VCDs TO BE PROVIDED AT GRILLE TO EACH DUCT TAKE-OFF.

REFRIGERANT PIPE ROUTE INDICATIVE ONLY, PIPEWORK TO BE RUN NEATLY ON CABLE TRAY WHERE EXPOSED (LOWER ROOF).

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CUPBOARD A CEILING EXTRACT GRILLE WILL BE PROVIDED.
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ELECTRICAL DRAWING FOR DETAILS.

EACH CORRIDOR FAN COIL UNIT/FILTERED RETURN GRILLE TO BE FITTED WITH A G4 FILTER. REFRIGERANT PIPE RISES TO SERVE LEVEL BELOW/ABOVE. REFER TO SPECIFICATION SECTION F FOR PIPEWORK SPACING REQUIREMENTS IN TIMBER STRUCTURE.
OUTDOOR CONDENSER UNITS ARE TO BE INSTALLED IN
ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS. INSTALLATION TO BE OPEN TO ATMOSPHERE AND MOUNTED MINIMUM 500mm OFF UNDERSIDE OF SLAB, 100mm OFF WALL. MINIMUM OF 500mm CLEAR BESIDE UNITS FOR MAINTENANCE. UNITS TO BE BRACED WITH APPROPRIATE EQUIPMENT

PLATFORM/PLINTH/MONKEY TOE C/W SEISMIC RESTRAINTS.
CONTRACTOR TO VERIFY FINAL REFRIGERANT PIPE LENGTHS ARE
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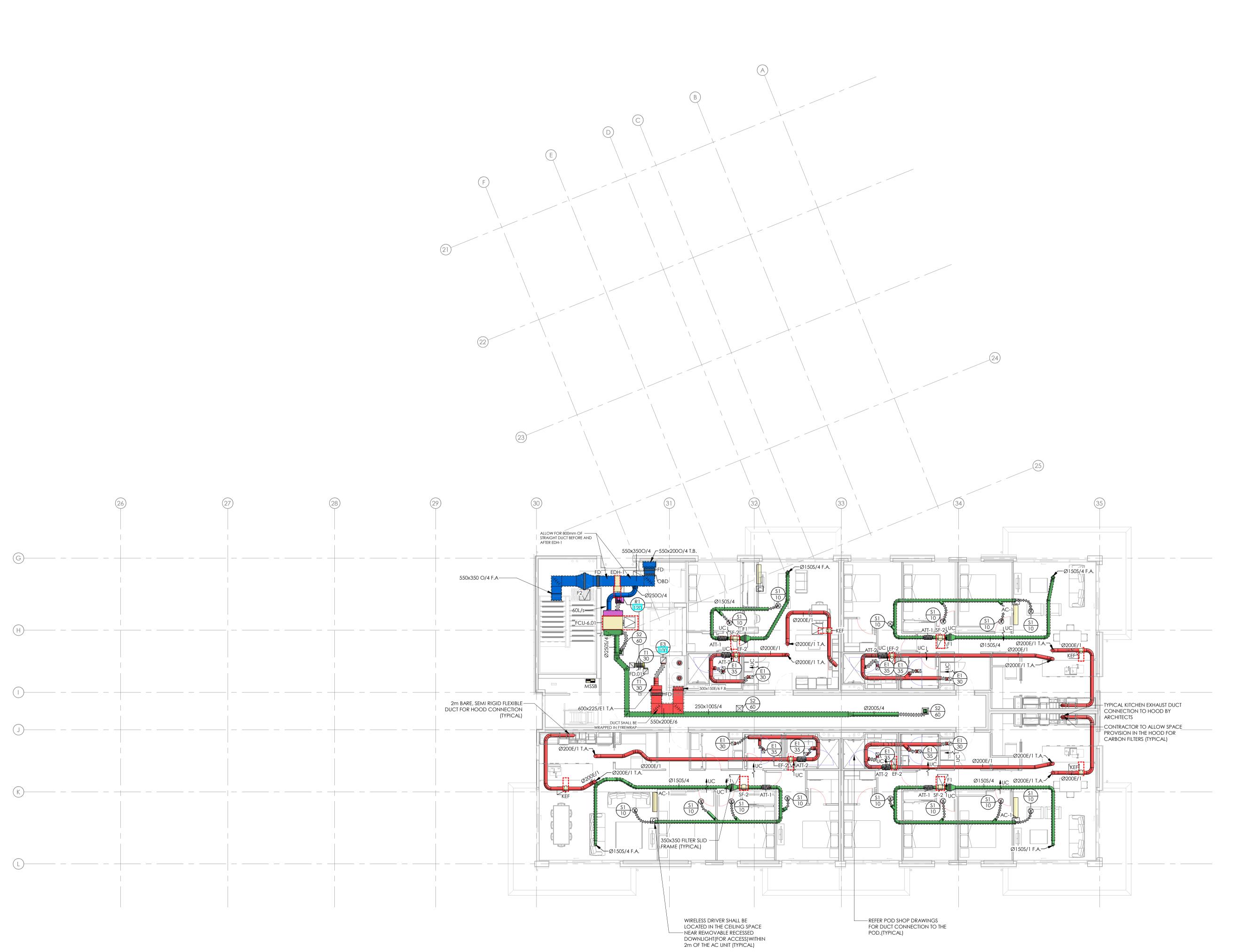
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METLIFECARE GULF RISE 65 HIBISCUS COAST HIGHWAY, RED BEACH BUILDING 7

HVAC DUCTWORK LAYOUT LEVEL 05

FOR CONSTRUCTION

DRAWN: SN | SCALE @ A1: 1:100 CA17016-7



20mm DOOR UNDER CUTS TO ALL INTERNAL DOORS FOR SPILL/MAKEUP AIR PATHS.
FANS TO BE ISOLATED FROM THE STRUCTURE ON THE APARTMENT BY NEOPRENE PADS ON SPRINGS TO REDUCE VIBRATION AND NOISE TRANSFER OF THE STRUCTURE.

MECHANICAL CONTRACTOR TO COORDINATE WITH MAIN CONTRACTOR IN LOCATING FAN ACCESS PANELS AND GRILLES.
FINAL LOCATIONS DICTATED BY CEILING SERVICES COORDINATION / STRUCTURE - LOCATIONS TO BE AGREED WITH ARCHITECT IN LINE WITH RCP.

VCDs TO BE PROVIDED AT GRILLE TO EACH DUCT TAKE-OFF. REFRIGERANT PIPE ROUTE INDICATIVE ONLY, PIPEWORK TO BE RUN NEATLY ON CABLE TRAY WHERE EXPOSED (LOWER ROOF).

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OUTDOOR CONDENSER UNITS ARE TO BE INSTALLED IN

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INSTALLATION TO BE OPEN TO ATMOSPHERE AND MOUNTED

MINIMUM 500mm OFF UNDERSIDE OF SLAB, 100mm OFF WALL. MINIMUM OF 500mm CLEAR BESIDE UNITS FOR MAINTENANCE, UNITS TO BE BRACED WITH APPROPRIATE EQUIPMENT PLATFORM/PLINTH/MONKEY TOE C/W SEISMIC RESTRAINTS.
CONTRACTOR TO VERIFY FINAL REFRIGERANT PIPE LENGTHS ARE
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ALL PENETRATIONS THROUGH THE BUILDING ENVELOPE ARE TO BE SEALED AND WEATHERPROOFED

OVER FLASHINGS TO BE INSTALLED TO ALL ROOF PENETRATIONS BY MECHANICAL CONTRACTOR

ALL MECHANICAL SERVICES ARE TO BE SEISMICALLY RESTRAINED IN ACCORDANCE WITH NZS42 19:2009

A MINIMUM OF 2m LONG BARE, SEMI-RIGID FLEXIBLE DUCT WILL BE REQUIRED BEFORE THE CORRIDOR GRILLES ON EACH LEVEL TUNDISHES PROVIDED BY HYDRAULIC TRADE. CONTRACTOR TO

TUNDISHES PROVIDED BY HYDRAULIC TRADE, CONTRACTOR TO COORDINATE FINAL PIPEWORK TERMINATIONS ON SITE, REFER TO

HYDRAULICS DRAWINGS FOR LOCATIONS OF TUNDISHES.
FLEXIBLE DUCTWORK LENGTHS SHALL NOT EXCEED 3m, RIGID DUCT
TO BE USED FOR CONNECTION IF LENGTHS EXCEED 3m.

1 FOR CONSTRUCTION 22.08.24 AMENDMENT DATE ISSUE

CHECK ALL INFORMATION ON SITE PRIOR TO COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS

ORIGINAL DRAWINGS PRODUCED WITH COLOUR



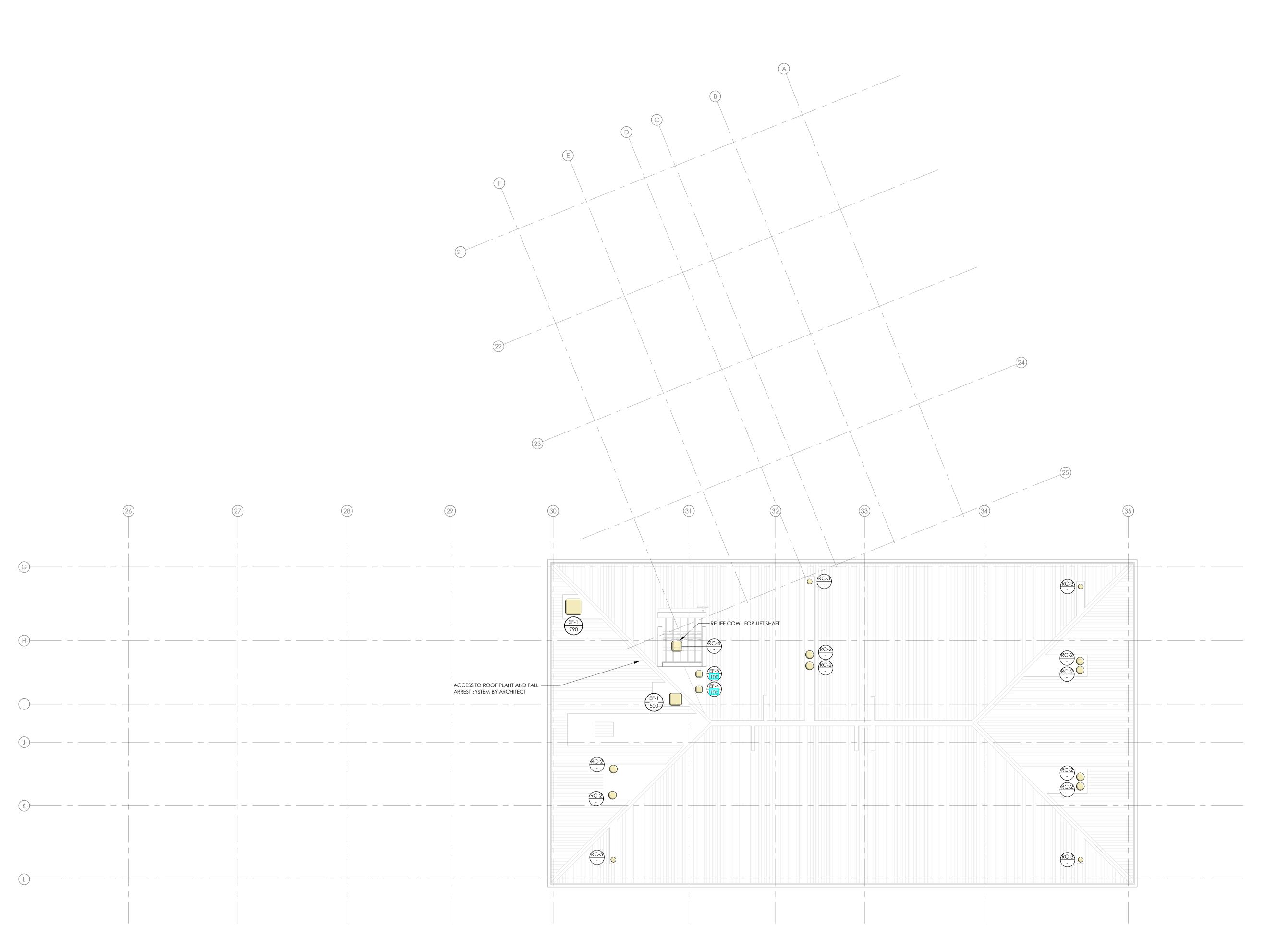
Auckland - Ph. (09) 551.9350 Wellington - Ph. (03) 377.8600 Christchurch - Ph. (03) 377.8600 Queenstown - Ph. (03) 555.2103 Email: admin@cosgroves.com

METLIFECARE GULF RISE 65 HIBISCUS COAST HIGHWAY, RED BEACH BUILDING 7

HVAC DUCTWORK LAYOUT LEVEL 06

FOR CONSTRUCTION

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20mm DOOR UNDER CUTS TO ALL INTERNAL DOORS FOR SPILL/MAKEUP AIR PATHS.
FANS TO BE ISOLATED FROM THE STRUCTURE ON THE APARTMENT BY NEOPRENE PADS ON SPRINGS TO REDUCE VIBRATION AND NOISE TRANSFER OF THE STRUCTURE.

MECHANICAL CONTRACTOR TO COORDINATE WITH MAIN CONTRACTOR IN LOCATING FAN ACCESS PANELS AND GRILLES.
FINAL LOCATIONS DICTATED BY CEILING SERVICES COORDINATION / STRUCTURE - LOCATIONS TO BE AGREED WITH ARCHITECT IN LINE WITH RCP.

VCDs TO BE PROVIDED AT GRILLE TO EACH DUCT TAKE-OFF. REFRIGERANT PIPE ROUTE INDICATIVE ONLY, PIPEWORK TO BE RUN NEATLY ON CABLE TRAY WHERE EXPOSED (LOWER ROOF).

NEATLY ON CABLE TRAY WHERE EXPOSED (LOWER ROOF).
FIRE DAMPERS THROUGH ALL FIRE RATED WALLS AND FLOORS IN
ACCORDANCE WITH FIRE REPORT.
CONDENSING DRYERS TO BE SPECIFIED TO ALL LAUNDRIES. NO
PROVISION FOR VENTED DRYERS, WHERE LAUNDRY IS IN A
CUPBOARD A CEILING EXTRACT GRILLE WILL BE PROVIDED.
ELECTRIC UNDERFLOOR HEATING TO BATHROOM ONLY. SEE
ELECTRICAL DRAWING FOR DETAILS.

ELECTRICAL DRAWING FOR DELIAILS.

EACH CORRIDOR FAN COIL UNIT/FILTERED RETURN GRILLE TO BE FITTED WITH A GA FILTER.

REFRIGERANT PIPE RISES TO SERVE LEVEL BELOW/ABOVE. REFER TO SPECIFICATION SECTION F FOR PIPEWORK SPACING REQUIREMENTS

SPECIFICATION SECTION FFOR FIFEWORK SPACING REQUIREMENT IN TIMBER STRUCTURE.

OUTDOOR CONDENSER UNITS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.

INSTALLATION TO BE OPEN TO ATMOSPHERE AND MOUNTED MINIMUM 500mm OFF UNDERSIDE OF SLAB, 100mm OFF WALL. MINIMUM OF 500mm CLEAR BESIDE UNITS FOR MAINTENANCE. UNITS TO BE BRACED WITH APPROPRIATE EQUIPMENT

TO BE BRACED WITH APPROPRIATE EQUIPMENT
PLATFORM/PLINTH/MONKEY TOE C/W SEISMIC RESTRAINTS.
CONTRACTOR TO VERIFY FINAL REFRIGERANT PIPE LENGTHS ARE
WITHIN OUTDOOR UNITS LIMITS BEFORE INSTALLATION, CONSULTANT
TO BE NOTIFIED OTHERWISE. CONTRACTOR TO ALLOW CONDENSATES
FROM STACKED/WALL MOUNTED UNITS TO BE COMBINED AND RUN
NEATLY TO NEAREST GARDEN BED / CHANNEL DRAIN.
ALL PENETRATIONS THROUGH THE BUILDING ENVELOPE ARE TO BE
SEALED AND WEATHERPROOFED

OVER FLASHINGS TO BE INSTALLED TO ALL ROOF PENETRATIONS BY
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DRAWINGS AND DOCUMENTS

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METLIFECARE GULF RISE 65 HIBISCUS COAST HIGHWAY, RED BEACH BUILDING 7

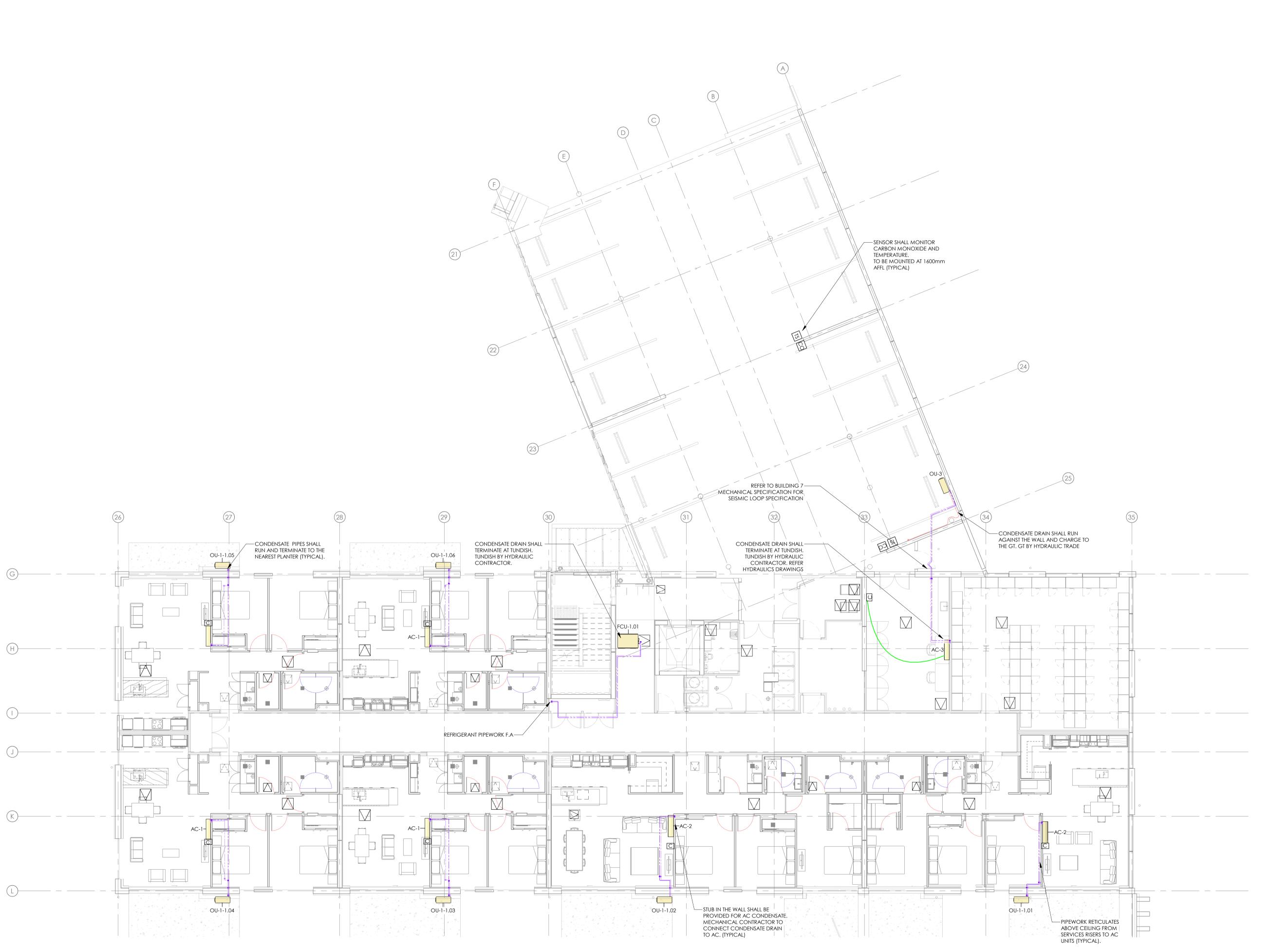
HVAC DUCTWORK

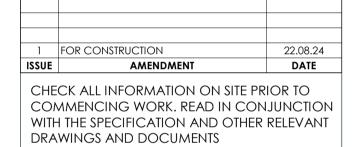
LAYOUT ROOF

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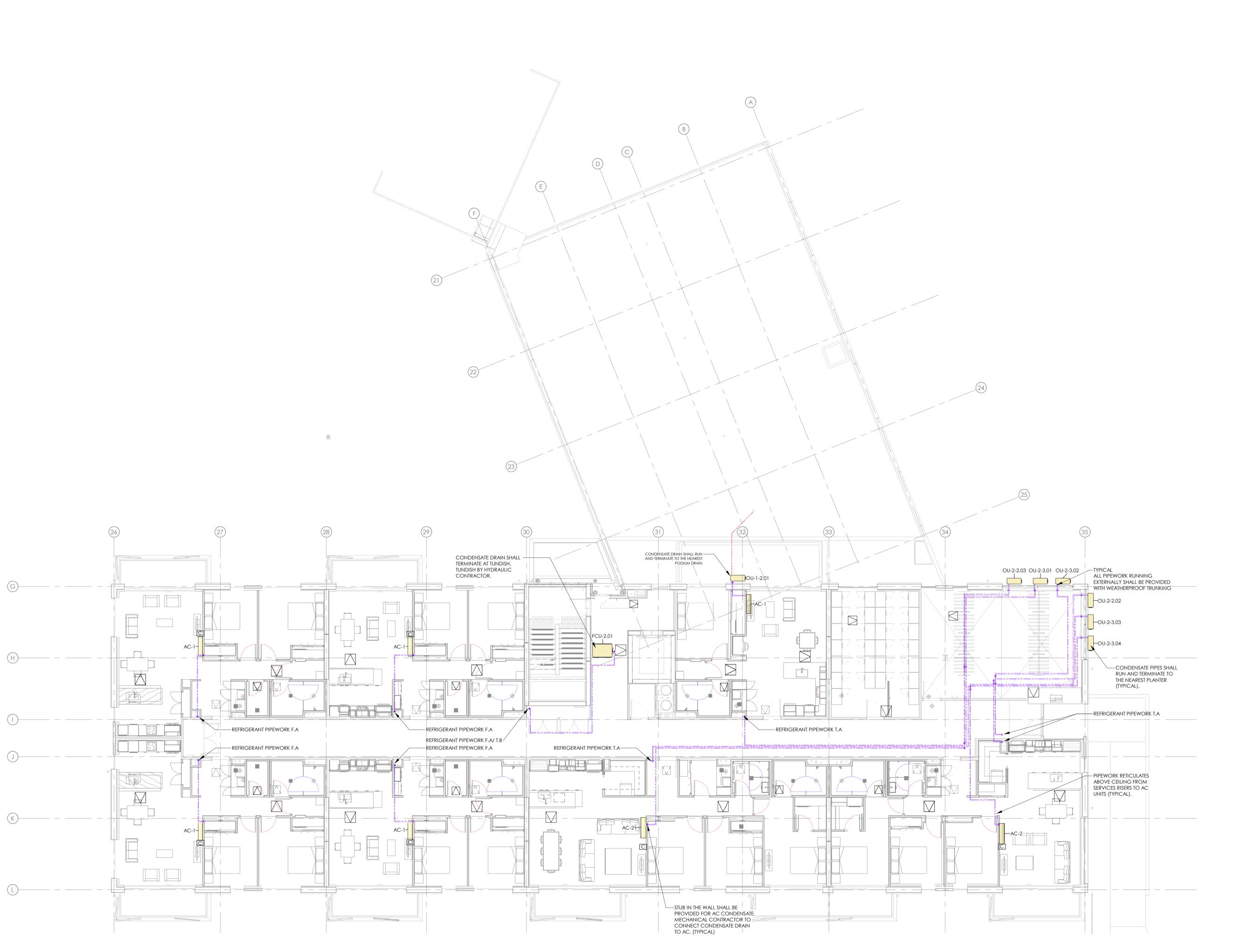
HVAC PIPEWORK & CONTROLS LAYOUT LEVEL 01

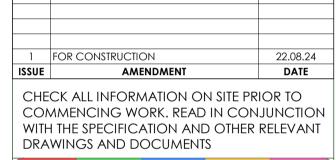
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HVAC PIPEWORK & CONTROLS LAYOUT LEVEL 02

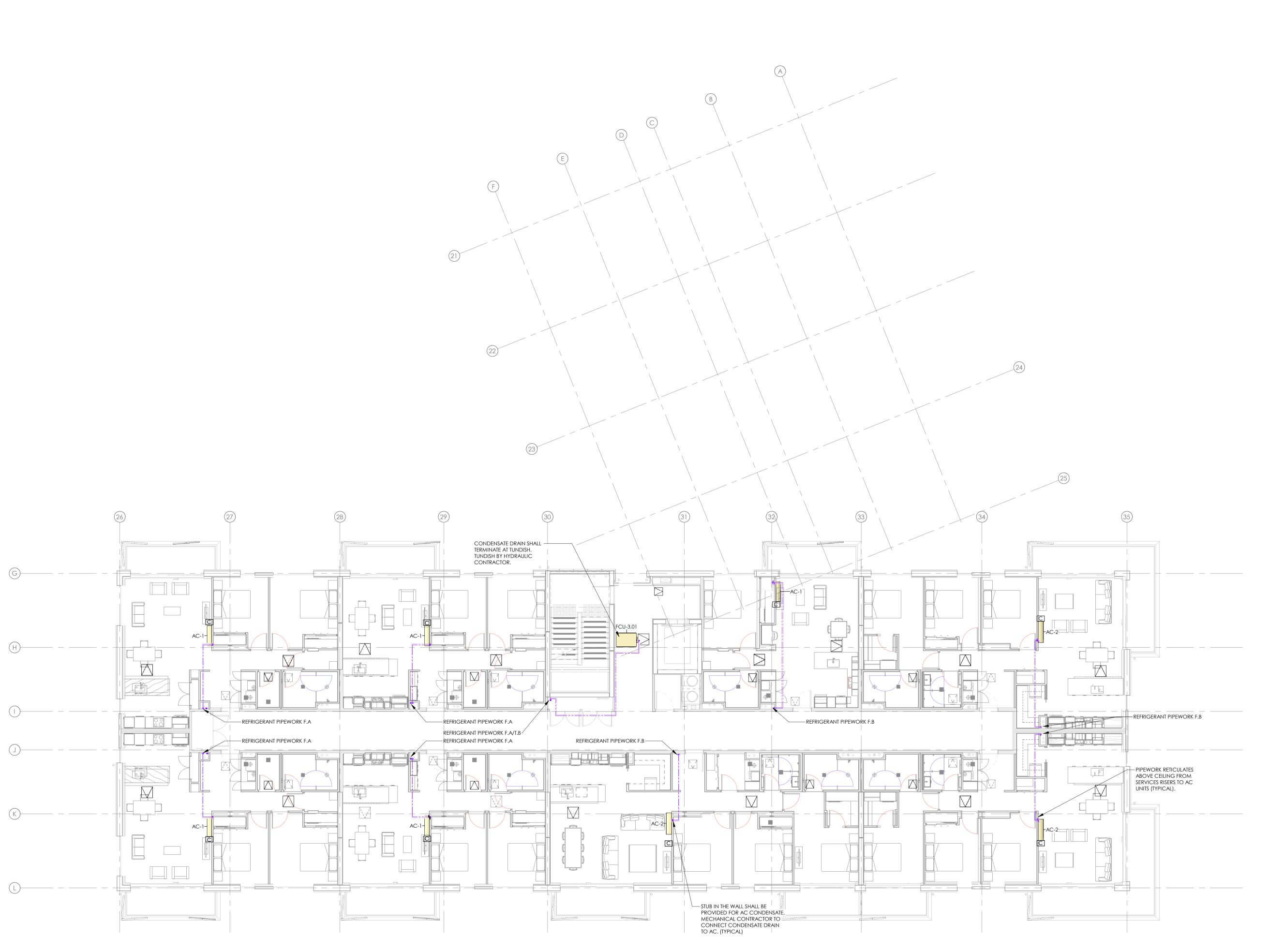
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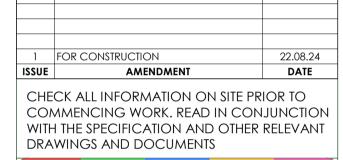
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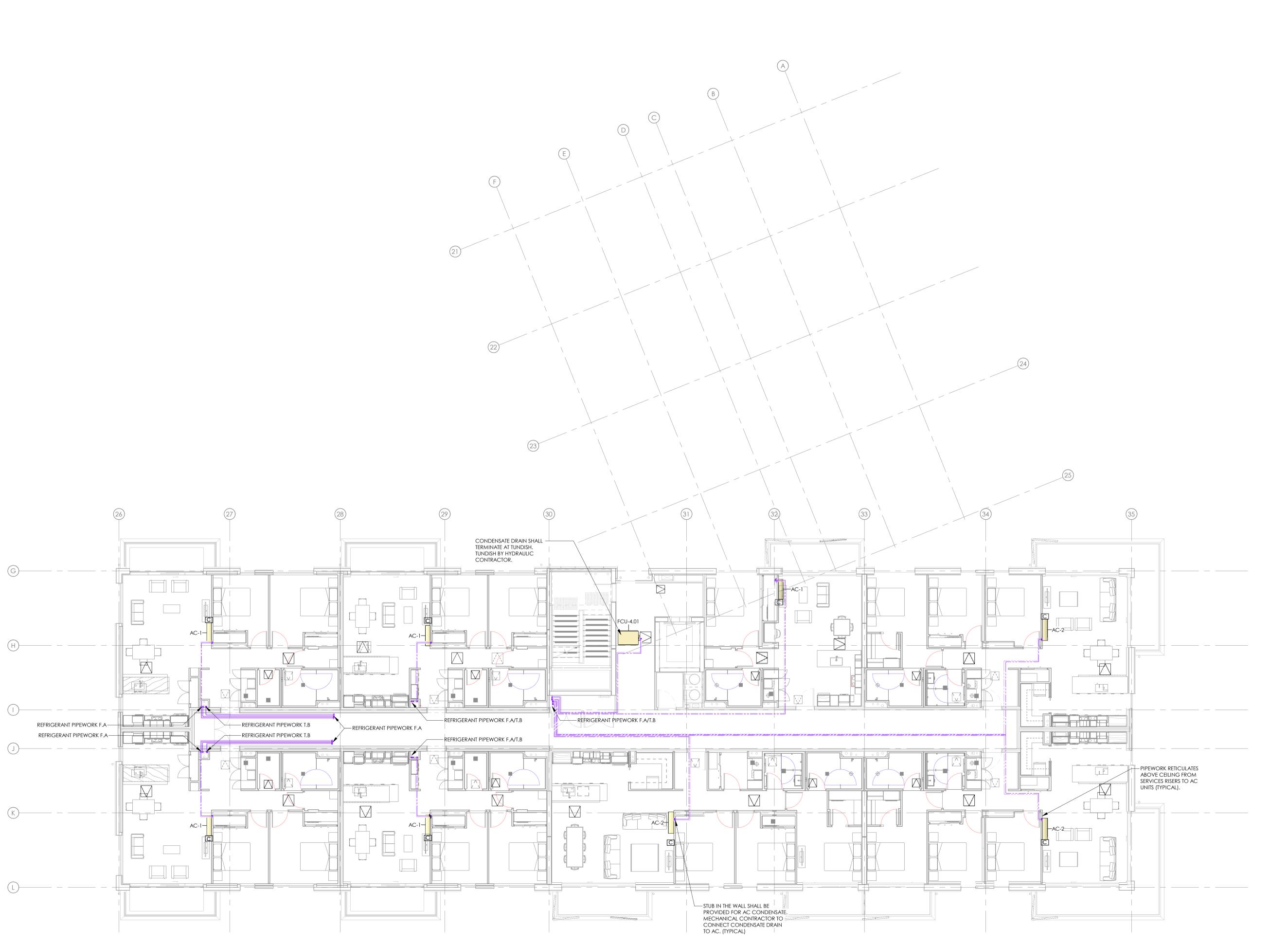
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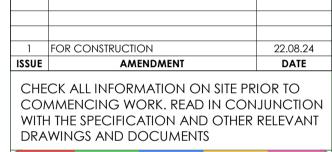
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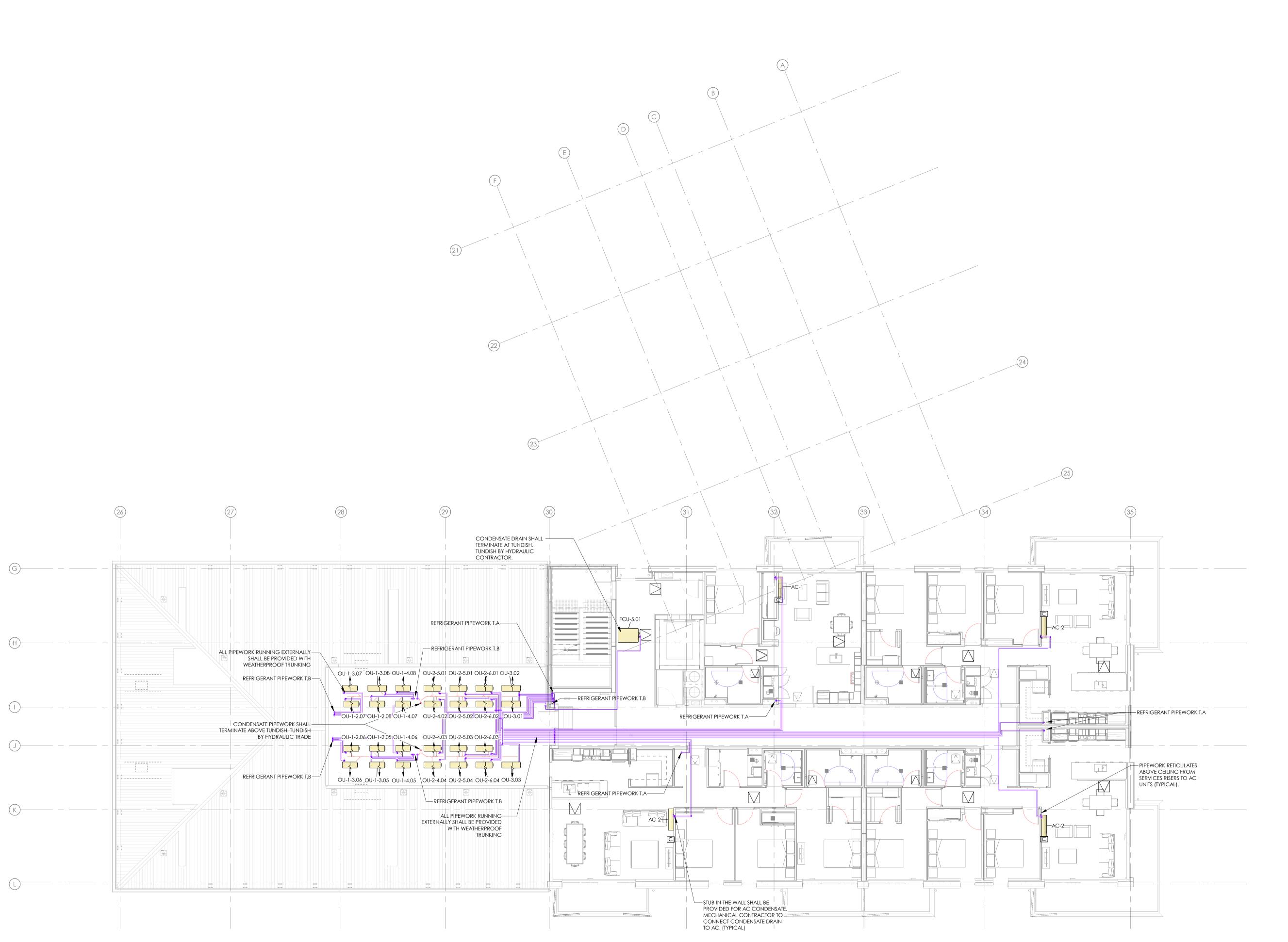
HVAC PIPEWORK & CONTROLS LAYOUT LEVEL 04

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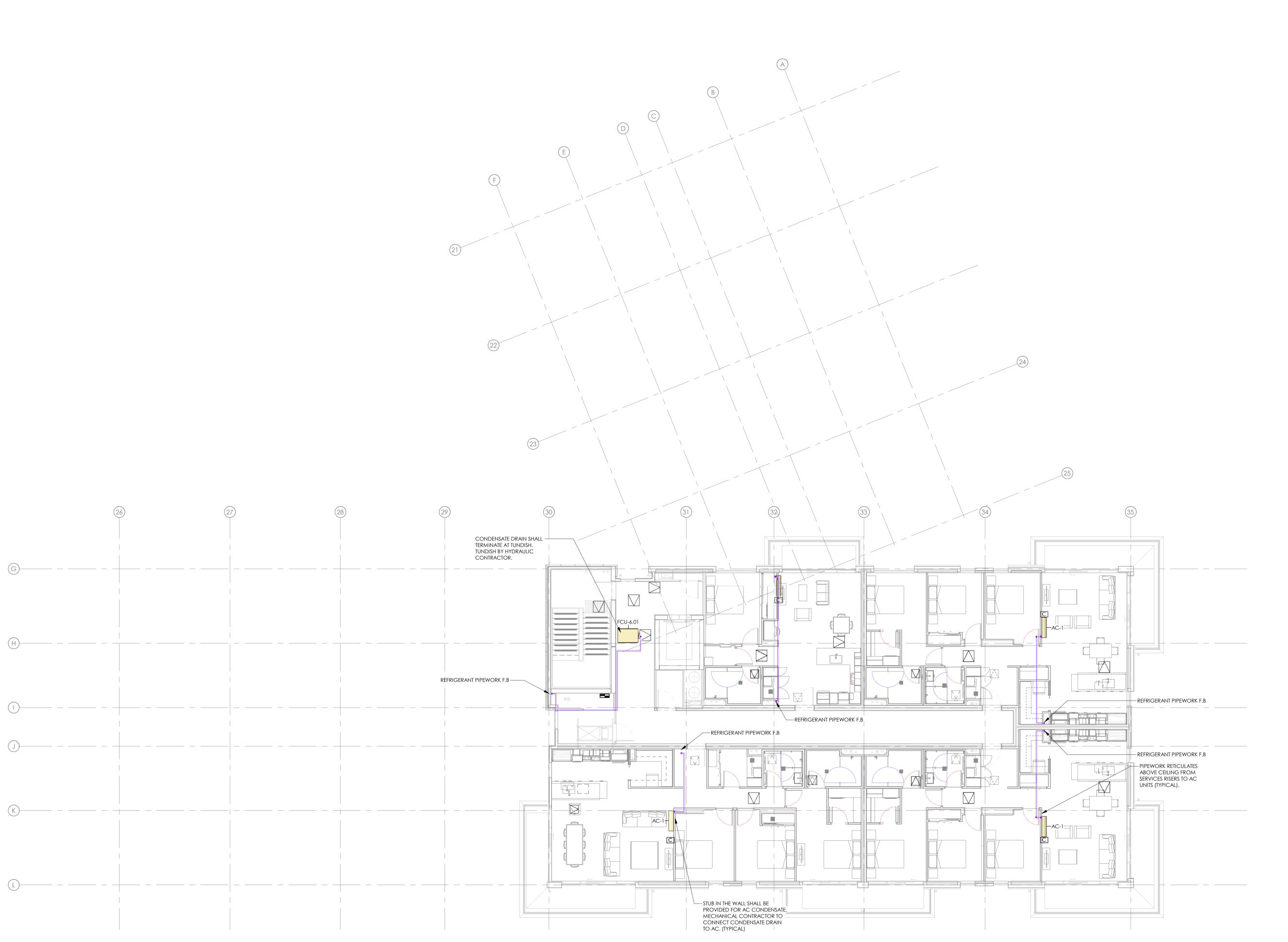
HVAC PIPEWORK & CONTROLS LAYOUT LEVEL 05

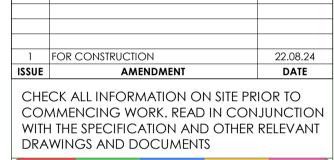
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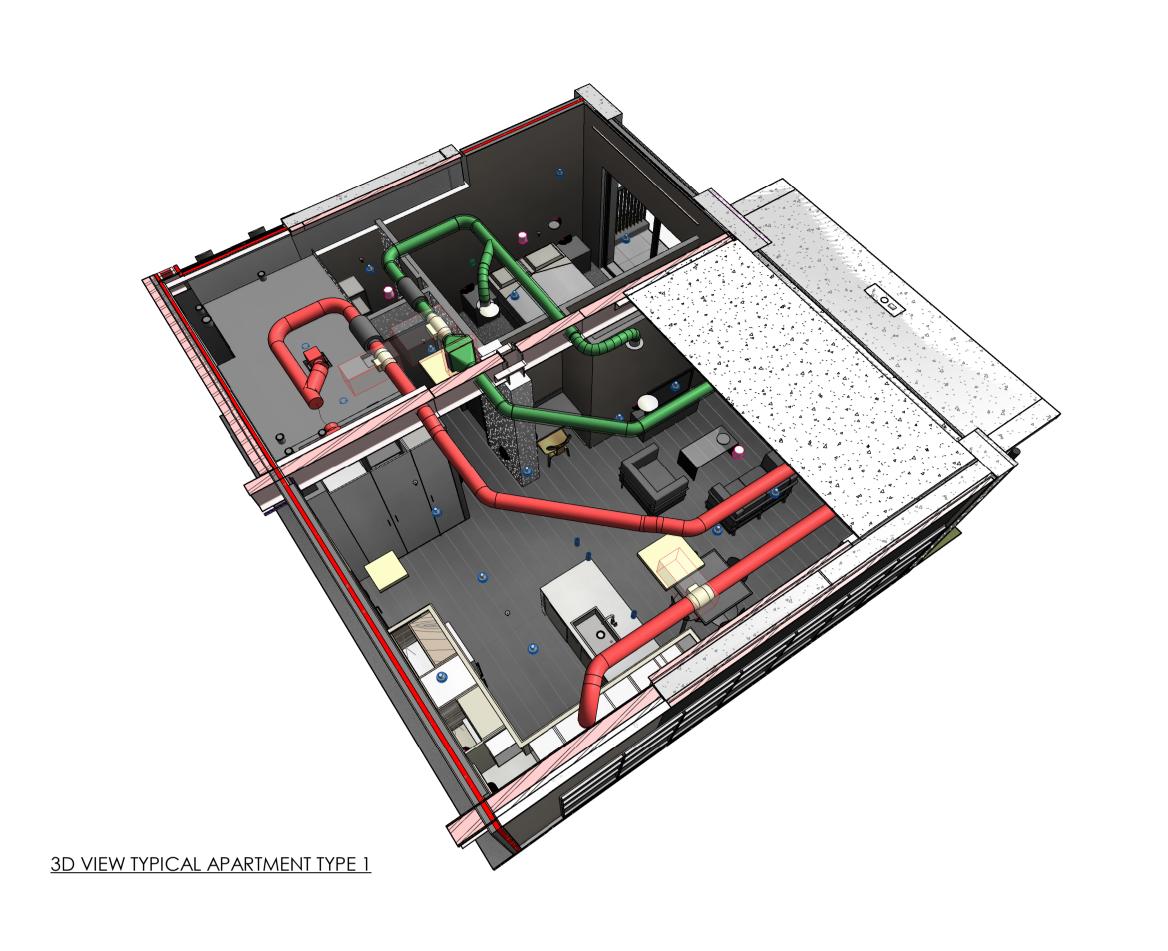
HVAC PIPEWORK & CONTROLS LAYOUT LEVEL 06

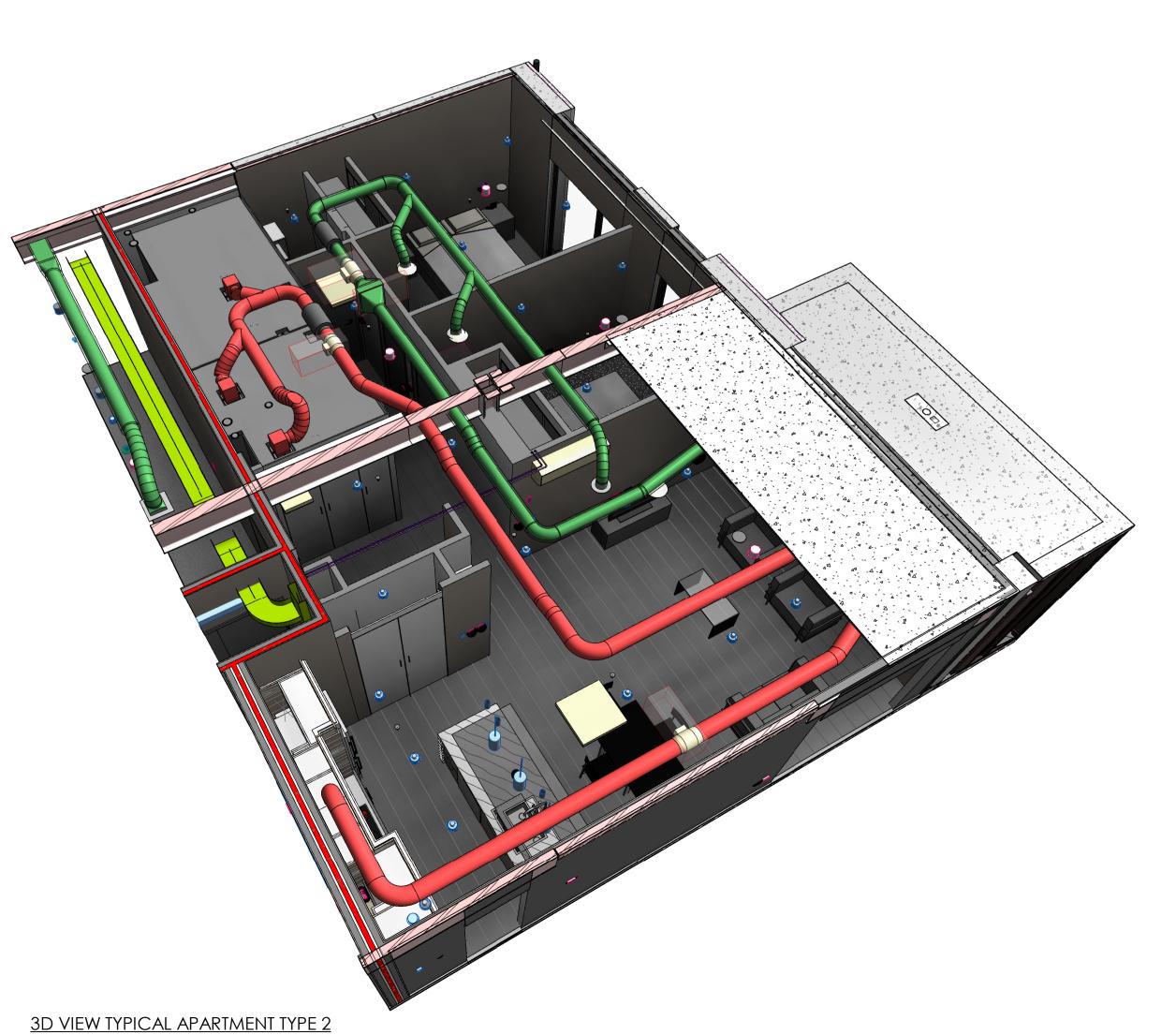
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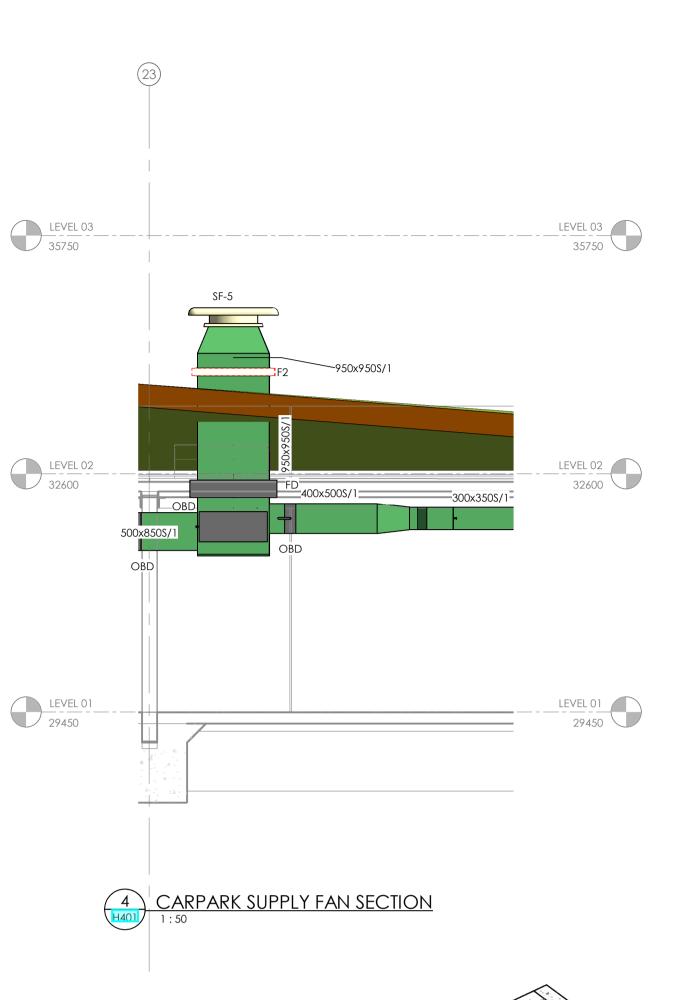
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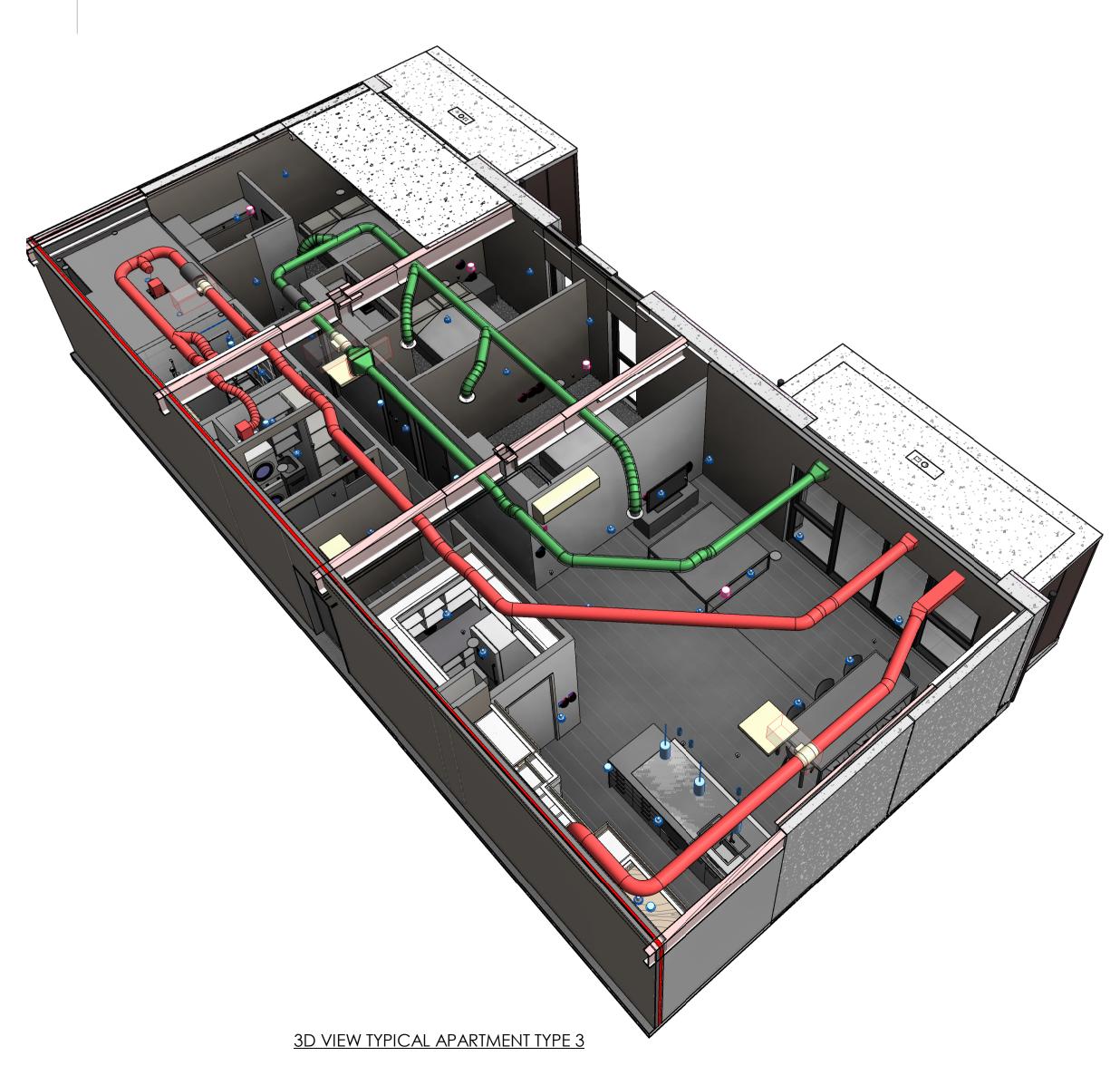
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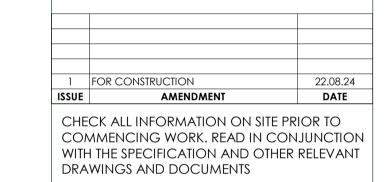
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PROJECT

METLIFECARE GULF RISE 65 HIBISCUS COAST HIGHWAY, RED BEACH BUILDING 7

MECHANICAL

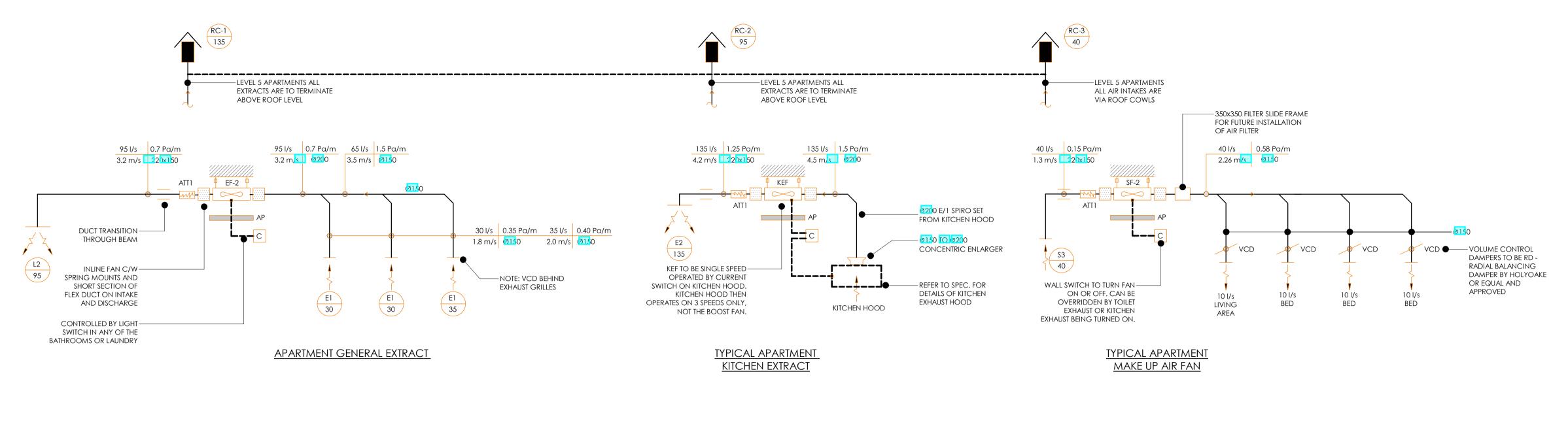
DETAILS

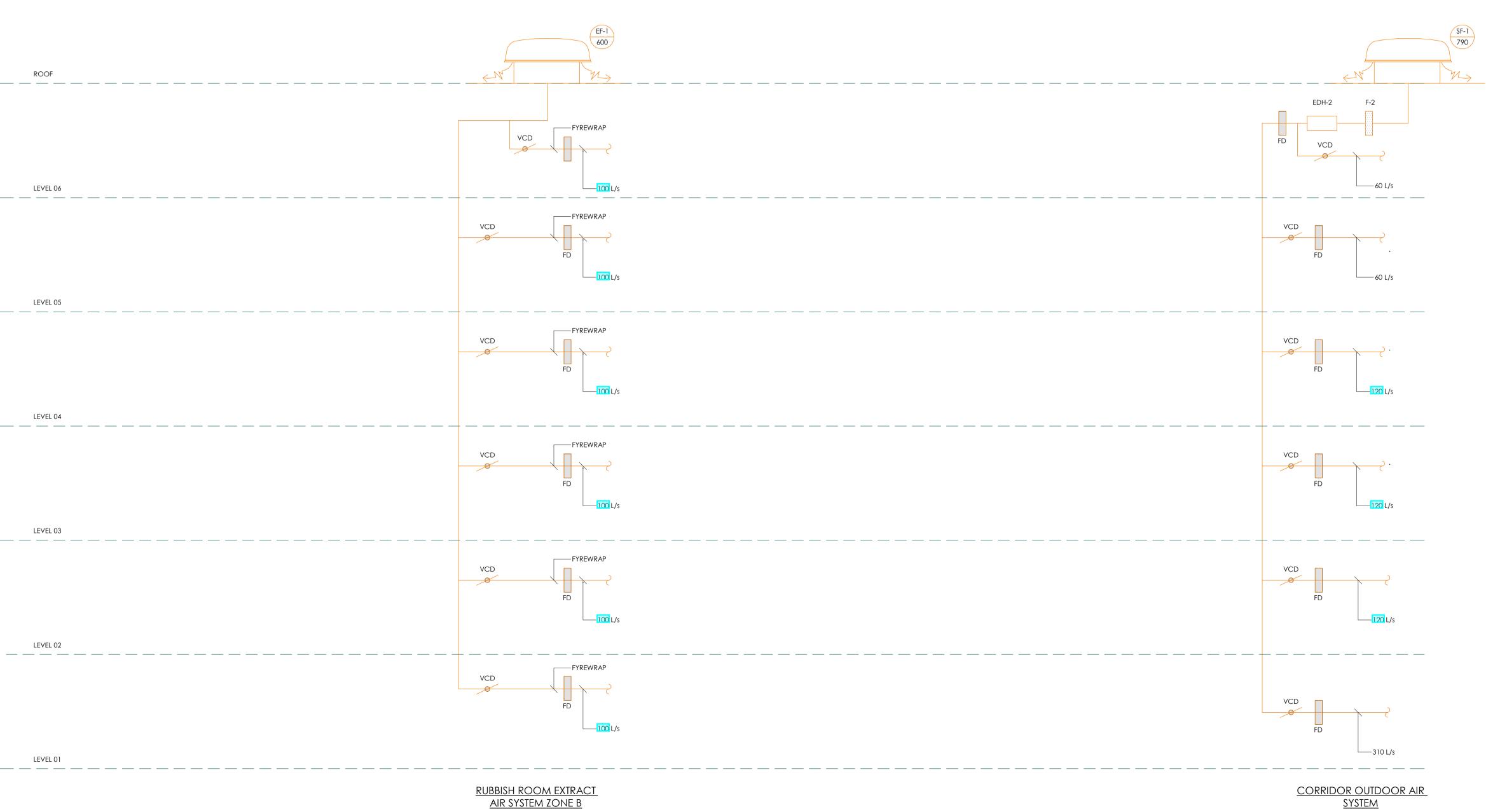
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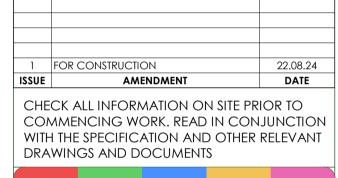
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PROJECT

METLIFECARE GULF RISE 65 HIBISCUS COAST HIGHWAY, RED BEACH BUILDING 7

SHEET TITLE:

MECHANICAL SCHEMATIC

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