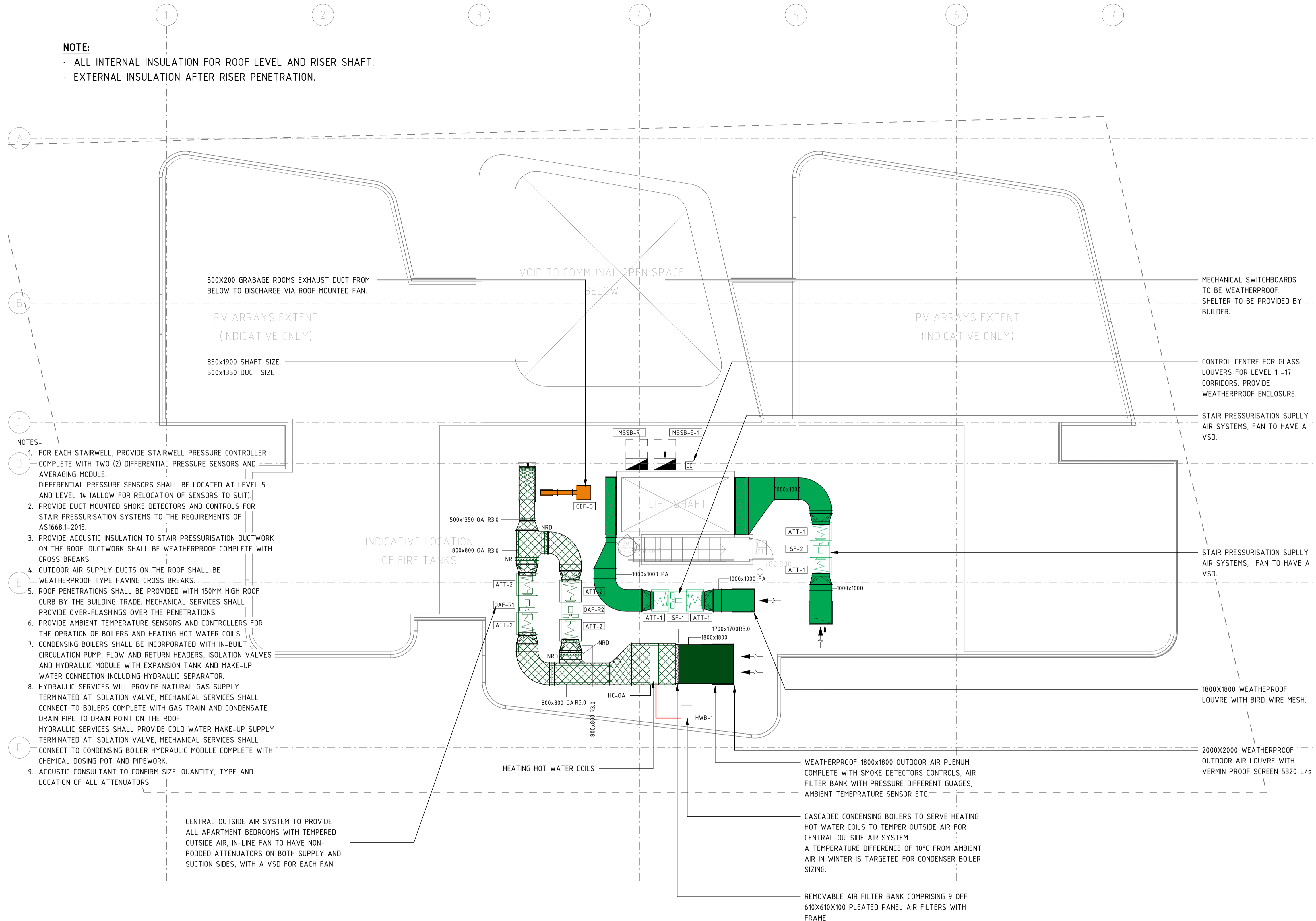


NOTE:

- ALL INTERNAL INSULATION FOR ROOF LEVEL AND RISER SHAFT.
- EXTERNAL INSULATION AFTER RISER PENETRATION.



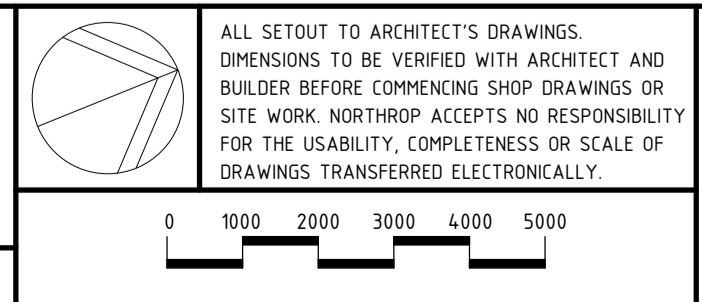
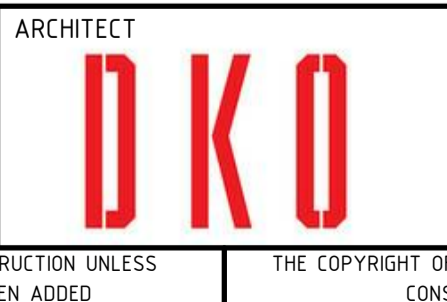
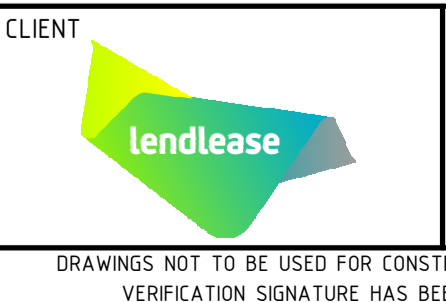
NOTES-

- FOR EACH STAIRWELL, PROVIDE STAIRWELL PRESSURE CONTROLLER COMPLETE WITH TWO (2) DIFFERENTIAL PRESSURE SENSORS AND AVERAGING MODULE. DIFFERENTIAL PRESSURE SENSORS SHALL BE LOCATED AT LEVEL 5 AND LEVEL 14 (ALLOW FOR RELOCATION OF SENSORS TO SUIT).
- PROVIDE DUCT MOUNTED SMOKE DETECTORS AND CONTROLS FOR STAIR PRESSURISATION SYSTEMS TO THE REQUIREMENTS OF AS1668.1-2015.
- PROVIDE ACOUSTIC INSULATION TO STAIR PRESSURISATION DUCTWORK ON THE ROOF. DUCTWORK SHALL BE WEATHERPROOF COMPLETE WITH CROSS BREAKS.
- OUTDOOR AIR SUPPLY DUCTS ON THE ROOF SHALL BE WEATHERPROOF TYPE HAVING CROSS BREAKS.
- ROOF PENETRATIONS SHALL BE PROVIDED WITH 150MM HIGH ROOF CURB BY THE BUILDING TRADE. MECHANICAL SERVICES SHALL PROVIDE OVER-FLASHINGS OVER THE PENETRATIONS.
- PROVIDE AMBIENT TEMPERATURE SENSORS AND CONTROLLERS FOR THE OPERATION OF BOILERS AND HEATING HOT WATER COILS.
- CONDENSING BOILERS SHALL BE INCORPORATED WITH IN-BUILT CIRCULATION PUMP, FLOW AND RETURN HEADERS, ISOLATION VALVES AND HYDRAULIC MODULE WITH EXPANSION TANK AND MAKE-UP WATER CONNECTION INCLUDING HYDRAULIC SEPARATOR.
- HYDRAULIC SERVICES WILL PROVIDE NATURAL GAS SUPPLY TERMINATED AT ISOLATION VALVE, MECHANICAL SERVICES SHALL CONNECT TO BOILERS COMPLETE WITH GAS TRAIN AND CONDENSATE DRAIN PIPE TO DRAIN POINT ON THE ROOF.
- HYDRAULIC SERVICES SHALL PROVIDE COLD WATER MAKE-UP SUPPLY TERMINATED AT ISOLATION VALVE, MECHANICAL SERVICES SHALL CONNECT TO CONDENSING BOILER HYDRAULIC MODULE COMPLETE WITH CHEMICAL DOSING POT AND PIPEWORK.
- ACOUSTIC CONSULTANT TO CONFIRM SIZE, QUANTITY, TYPE AND LOCATION OF ALL ATTENUATORS.

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PROJECT
**11 GIBBONS STREET
REDFERN, NSW 2016**

DRAWING TITLE
**MECHANICAL SERVICES
ROOF HVAC LAYOUT**

JOB NUMBER SY183106	
DRAWING NUMBER GIB-MD31800	REVISION A
DRAWING SHEET SIZE = A1	

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