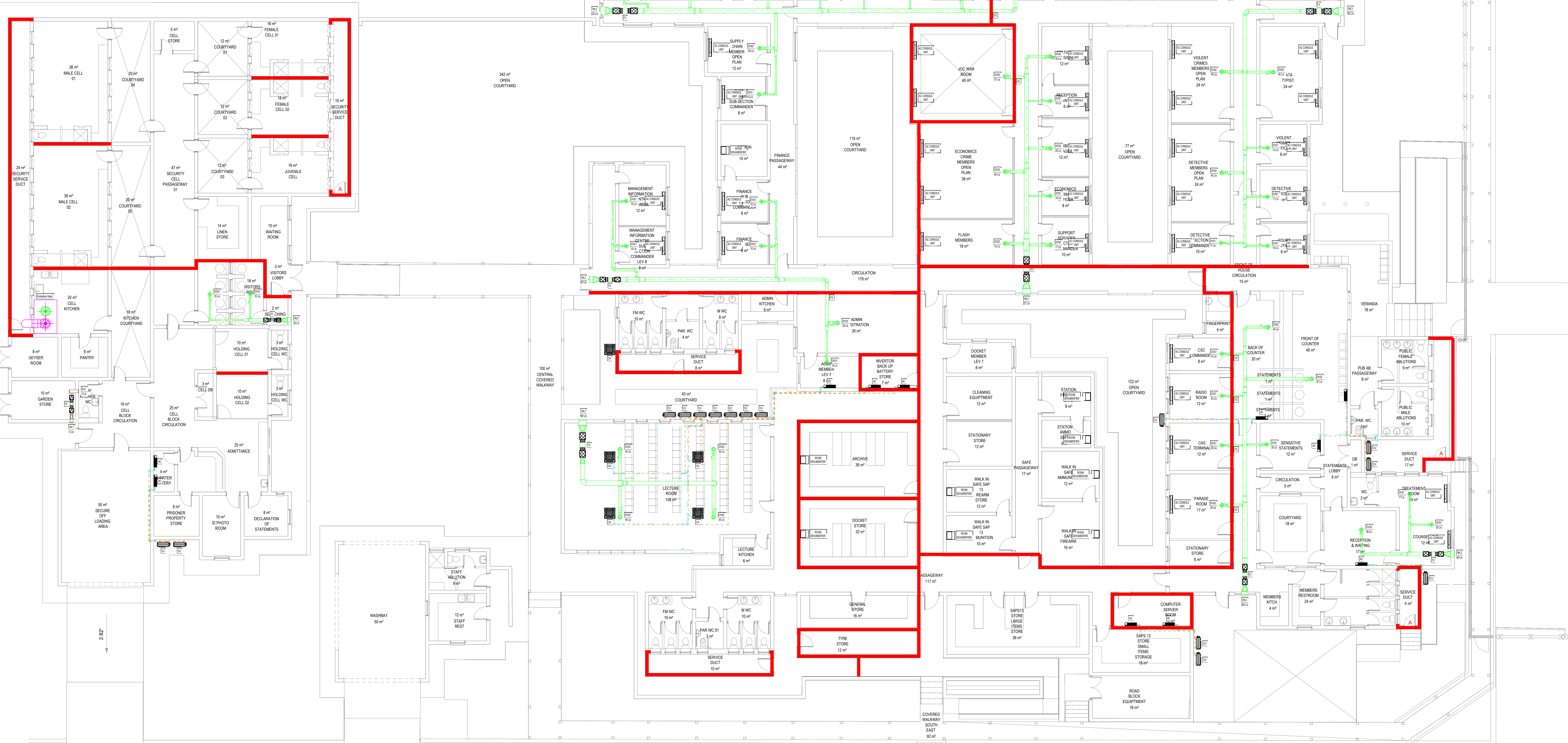


- HVAC Notes**
1. All flexible ducting shall be of the insulated fire rated type
 2. Flexible ducting shall not exceed 1500mm in length
 3. All filters shall be of the washable permanent type
 4. All duct sizes indicated are internal free air space dimensions
 5. All external ducting shall be 50mm externally insulated cladged
 6. All ducting shall have Mez flanges
 7. All condensate drain piping shall be sized according to manufacturer
 8. All condensate drain piping fall no less than 1 percent
 9. All condensate piping shall fall
 10. All condensate piping on the facade shall be as detail shown
 11. Thermostat controller wiring mounted in 20mm uPVC conduit
 12. All Air conditioning units on ceiling
 13. All air conditioning ducting to be externally insulated
- General Notes**
1. Do not Scale the Drawing
 2. All dimensions to be checked on site before manufacturing or ordering of equipment.
 3. The installation shall comply with the requirements of the Occupational Health and Safety Act of 1993.
 4. The installation shall be in accordance with SANS 10400.
 5. Any incanties to be brought to the attention of the Consulting Engineer.
 6. This drawing, or part thereof, must not be used for any other installation/ project other than this one.
 7. Final extract positions to be determined on site and to be directly above stove where possible.
 8. Final postions to be measured by contractor and confirmed on workshop drawings.

DUCT WIDTH (W) IN MM	SPLITTER RADIUS		
	R1	R2	R3
300 TO 600	250	350	450
601 TO 900	350	450	550
901 TO 1200	450	550	650
1201 TO 2400	550	650	750

DUCT SPLITTERS



PRELIMINARY	
FOR INFORMATION ONLY	✓
FOR APPROVAL	
FOR TENDER PURPOSES	
FOR CONSTRUCTION	

- NOTES**
1. FOR GENERAL NOTES REFER TO DRAWING
 2. DRAWINGS ARE NOT TO BE SCALED. ALL LEVELS AND DIMENSIONS TO BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, SCHEDULES AND SPECIFICATIONS RELATED TO THIS PROJECT
 4. ALL BUILDING WORK AND MATERIALS ARE TO COMPLY WITH LOCAL AUTHORITY'S REQUIREMENTS AND ARE TO BE IN ACCORDANCE WITH SANS 10400 NATIONAL BUILDING REGULATIONS AS WELL AS THE RELEVANT MUNICIPAL BY-LAWS

HVAC Legend	
	Cassette unit air conditioner
	Midwall split unit air conditioner
	Console unit air conditioner
	Outdoor condensing unit
	Floor standing Dehumidifier unit
	Disc valve
	Sound attenuator
	Fresh air axial fan
	Weather Louver
	Air-balancing damper
	Fresh air ducting
	Extraction ducting
	Refrigerant piping
	Condensate piping
	2 hour rated fire wall
	2 hour rated fire damper

OCCUPANCY CLASSIFICATION				
G1 - Offices				
E1 - Place of Detention				
L2 - Moderate Risk Storage				
NO	DATE	DESCRIPTION	DRAWN BY	
0	2023/10/27	ISSUED FOR INFORMATION	OA	
1	2023/12/12	ISSUED FOR INFORMATION	OA	

CLIENT NAME:	

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CONSULTANTS DETAILS: Mechanical Engineers Dihlase Consulting Engineers 4 Rockdale Avenue Westville Durban Tel: (031) 266-7861 Fax: (031) 266-7861 Email: don@dihlase.co.za	

MECHANICAL (HVAC)	
PROJECT NAME: PROPOSED NEW POLICE STATION FOR SOUTH AFRICAN POLICE SERVICES (SAPS) - PORTION 4 OF ERF 6934 IKAGENG EXT.4	

HVAC LAYOUT	
DATE: 2023/12/12	REF NO: 3925
PAPER SIZE: A1	DESIGNED BY: O ADAM
SCALE: 1:100	DRAWN BY: O ADAM
DRAWING NUMBER: D3925-ML-A0-01	CHECKED BY: V J ROUX
	REV: 1