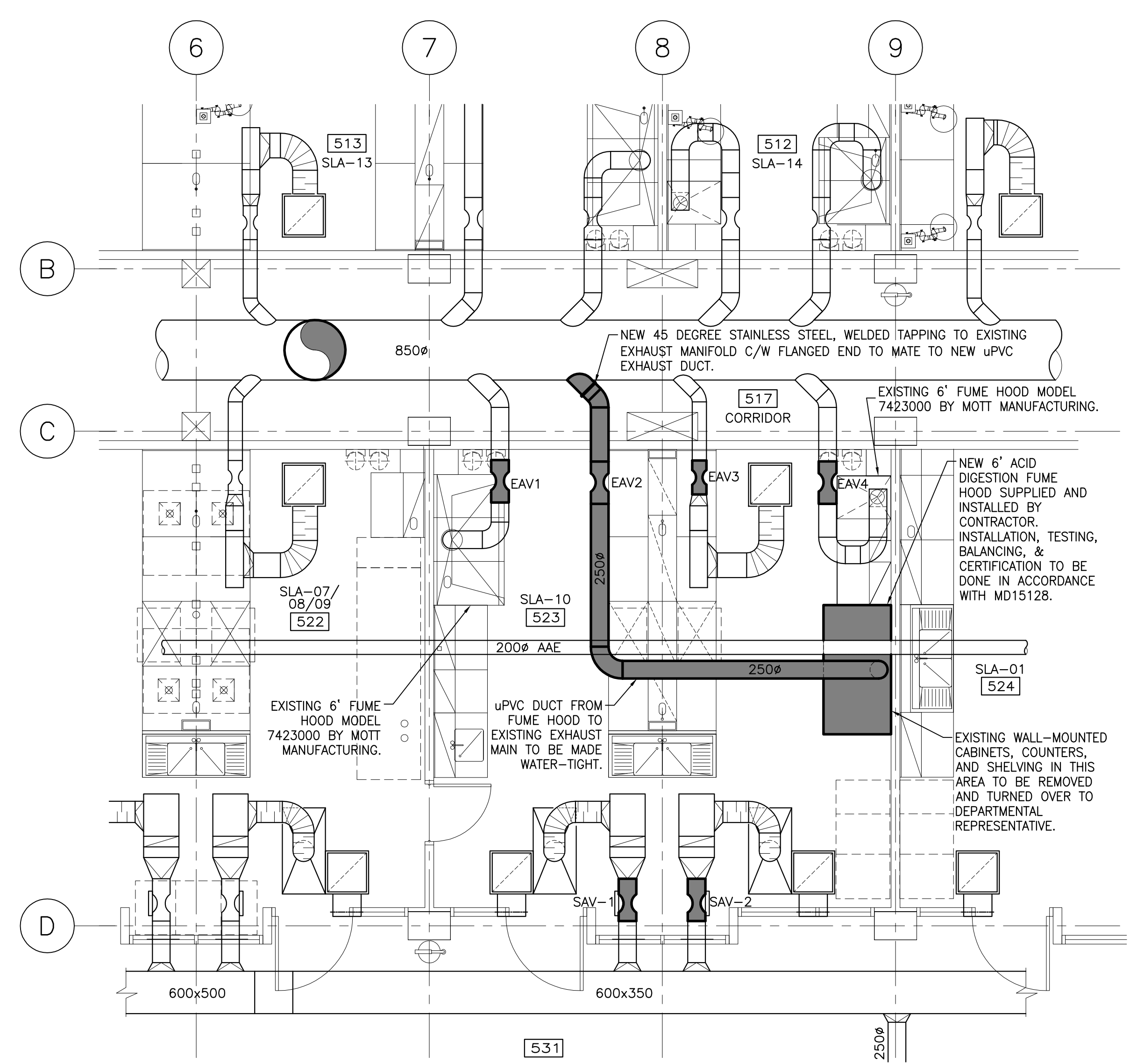
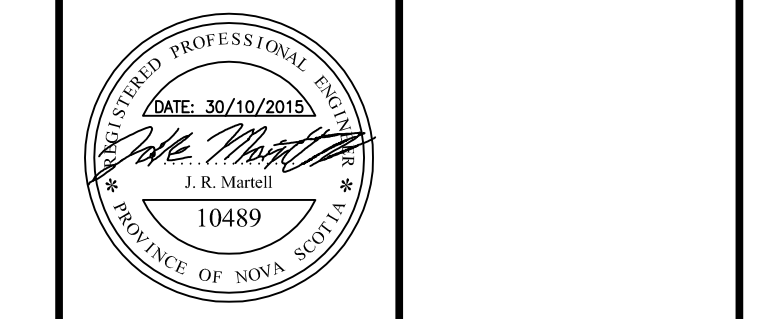
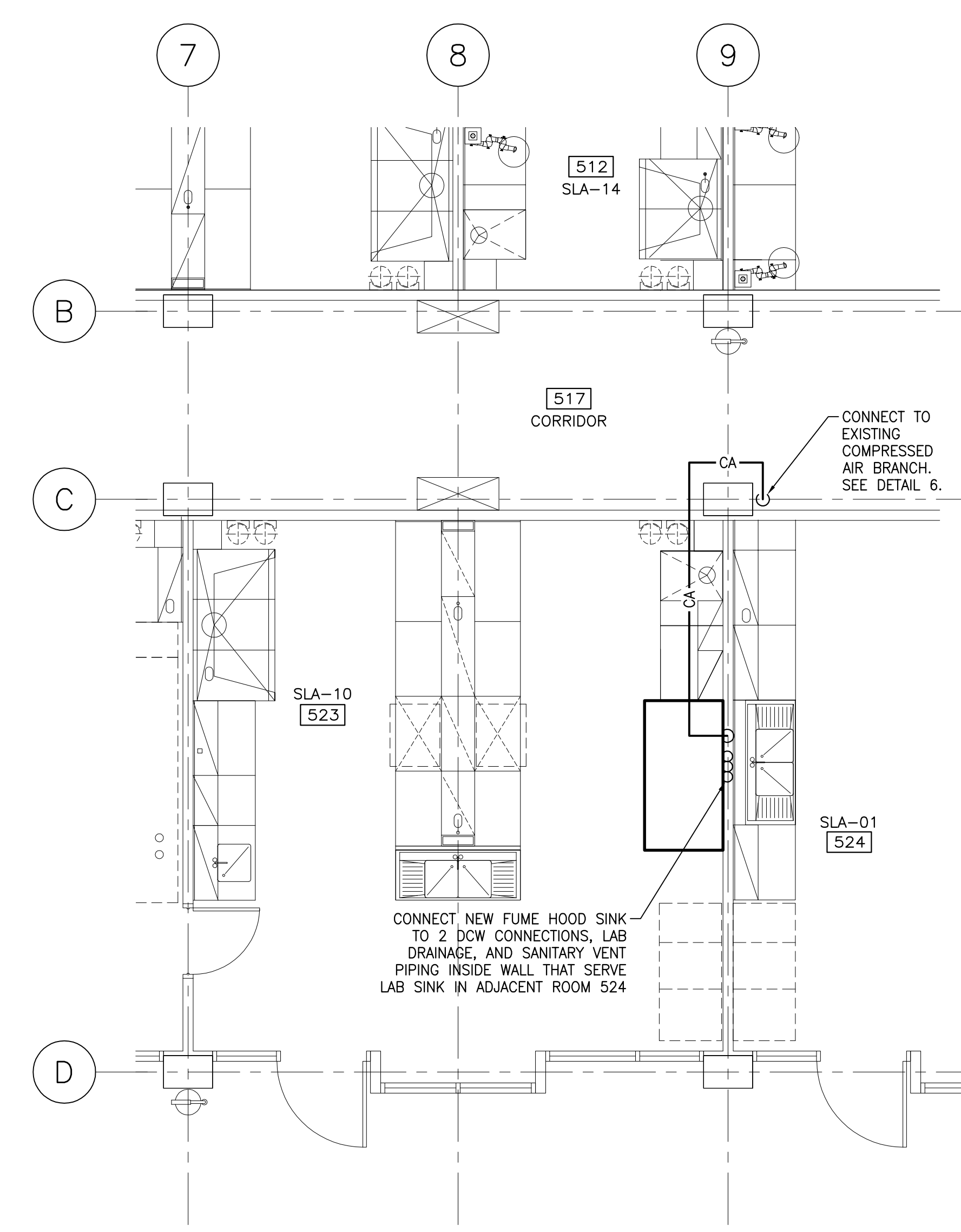


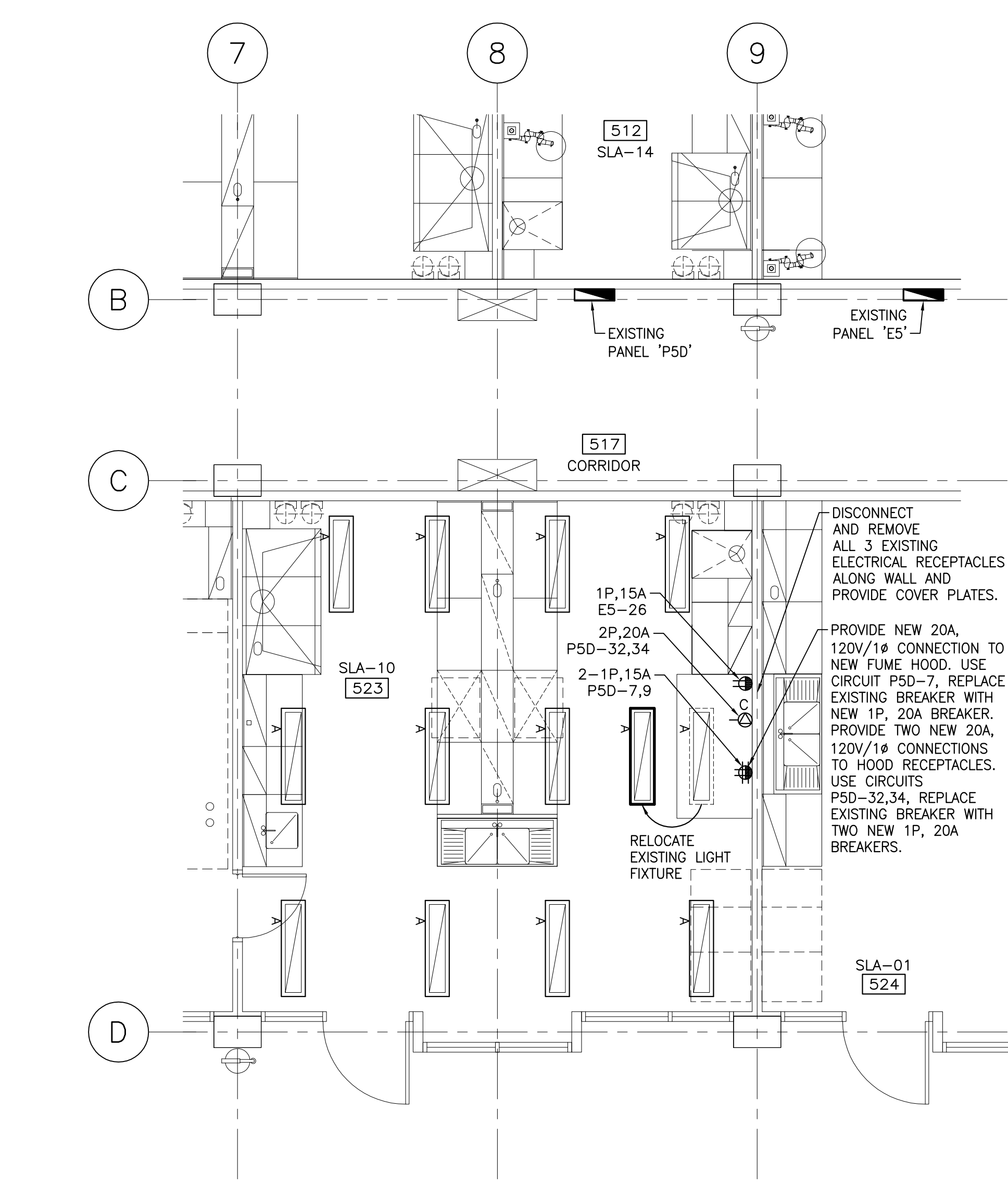
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LEVEL 5 PARTIAL FLOOR PLAN - VENTILATION 1 ME1
 SCALE: 1:50

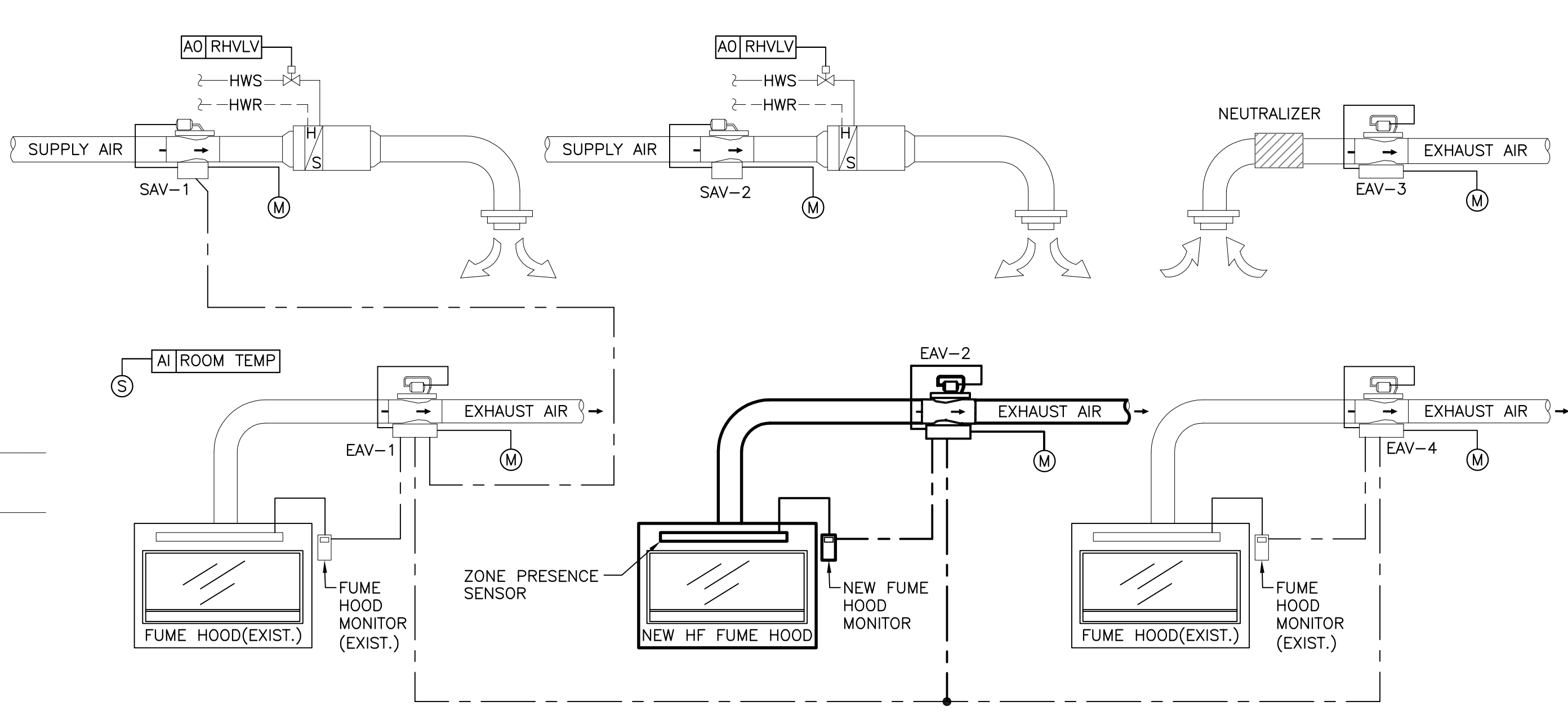


LEVEL 5 PARTIAL FLOOR PLAN - PLUMBING 2 ME1
 SCALE: 1:50



LEVEL 5 PARTIAL FLOOR PLAN - ELECTRICAL 3 ME1
 SCALE: 1:50

SUPPLY AND EXHAUST VENTURI AIR VALVE SCHEDULE						
MARK	MANUFACTURER	TYPE	AIR FLOW (l/s)		SIZE mm	REMARKS
			MIN.	MAX.		
SAV-1	PHOENIX	CLASS A	125	605	300	REPLACE EXISTING WITH NEW SUPPLY AIR VALVE, VARIABLE VOLUME TYPE MAVA
SAV-2	PHOENIX	CLASS A	125	605	300	REPLACE EXISTING WITH NEW SUPPLY AIR VALVE, VARIABLE VOLUME TYPE MAVA
EAV-1	PHOENIX	-	125	389	250	EXISTING VALVE TO REMAIN, UPDATE C2 DIGITAL KITS ONLY
EAV-2	PHOENIX	PVDF	125	557	300	NEW FUME HOOD EXHAUST VALVE, VARIABLE VOLUME TYPE EXVD
EAV-3	PHOENIX	CLASS A	20	330	200	REPLACE EXISTING WITH NEW GENERAL EXHAUST AIR VALVE, VARIABLE VOLUME TYPE EXVA
EAV-4	PHOENIX	-	125	389	250	EXISTING VALVE TO REMAIN, UPDATE C2 DIGITAL KITS ONLY



LAB ROOM 523 CONTROL SCHEMATIC 4 ME1
 NOTES: LOW VOLTAGE POWER SUPPLY, LOWER VOLTAGE WIRING, COMMUNICATION WIRING TO VALVES, SENSORS, AND CONTROLLERS, AND MAIN AIR BY LABORATORY VENTILATION CONTRACTOR.

HVAC LEGEND

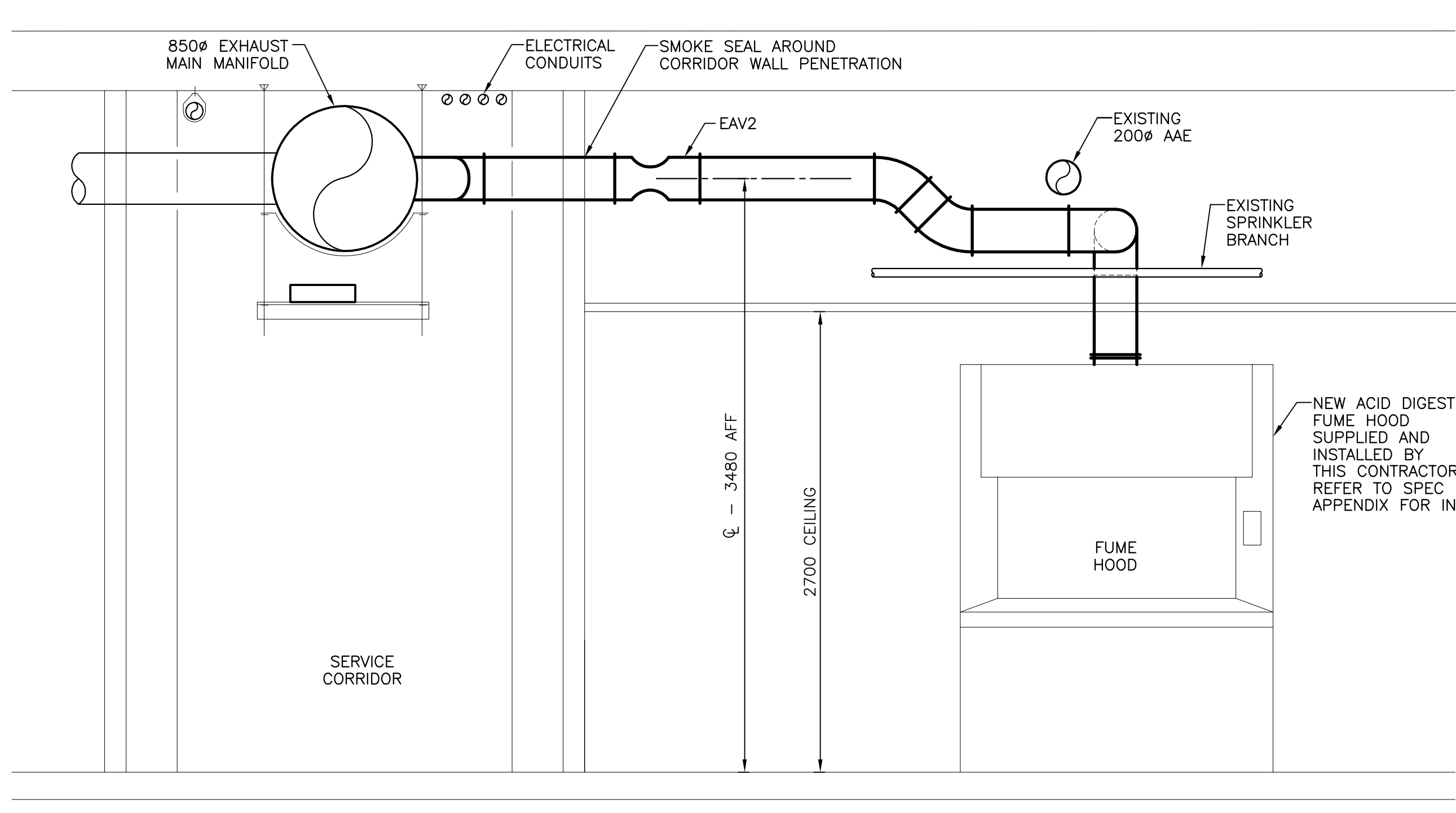
- EAV-X EXHAUST AIR VALVE, NO. X
- SAV-X SUPPLY AIR VALVE, NO. X
- EXISTING AIR VALVE
- NEW OR UPGRADED AIR VALVE
- EXISTING AIR TRANSFER GRILLE
- EXISTING SUPPLY DIFFUSER
- (e)CA EXISTING COMPRESSED AIR PIPING
- CA NEW COMPRESSED AIR PIPING
- HWS EXISTING HOT WATER SUPPLY PIPING
- HWR EXISTING HOT WATER RETURN PIPING
- SHUT OFF VALVE
- P.O.C. POINT OF CONNECTION

ELECTRICAL LEGEND

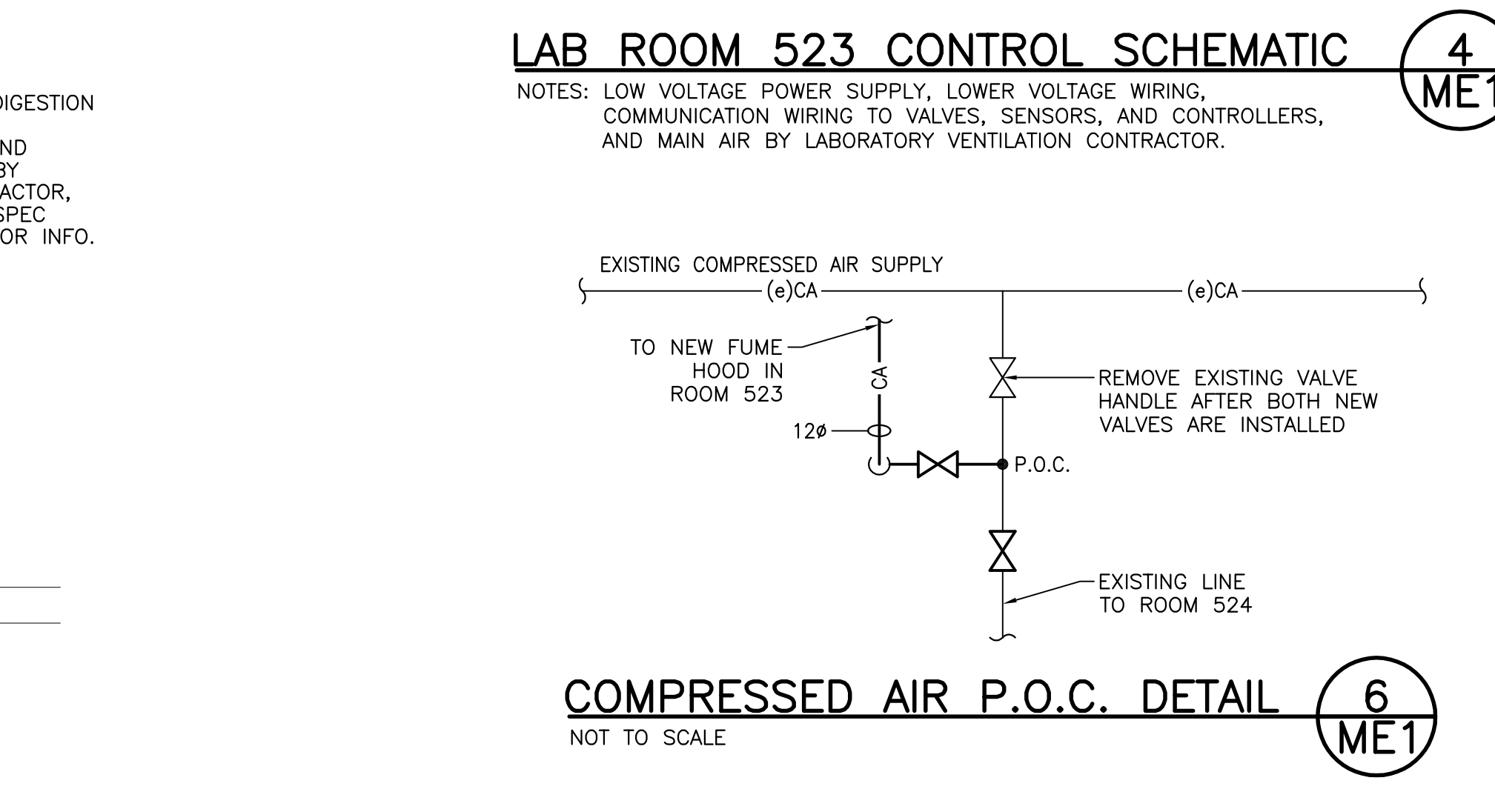
- EXISTING DUPLEX RECEPTACLE (1P,15A)
- EXISTING RECEPTACLE (2P,20A)
- EXISTING DUPLEX RECEPTACLE (2-1P,15A)

CONTROLS LEGEND

- EXISTING REHEAT VALVE ACTUATOR
- EXISTING ROOM TEMPERATURE SENSOR
- MAIN AIR
- ROOM SENSOR



TYPICAL SECTION SERVICE CORRIDOR 5 ME1
 SCALE: 1:25



COMPRESSED AIR P.O.C. DETAIL 6 ME1
 NOT TO SCALE

3	RE-ISSUED FOR TENDER	30/10/15
2	ISSUED FOR TENDER	17/08/15
1	ISSUED FOR 90% REVIEW	15/07/15

NRCAN HF FUME HOOD, BEDFORD INSTITUTE OF OCEANOGRAPHY DARTMOUTH, N.S.

LEVEL 5, LAB 523 MECHANICAL AND ELECTRICAL MODIFICATIONS

designed	JRM	conçu
date	OCTOBER 30, 2015	
drawn	AVB	dessiné
date	OCTOBER 30, 2015	
approved	DAM	approuvé
date	OCTOBER 30, 2015	
Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSGC	
project number	R.075210.001	no. du projet
drawing no.	ME-1	no. du dessin