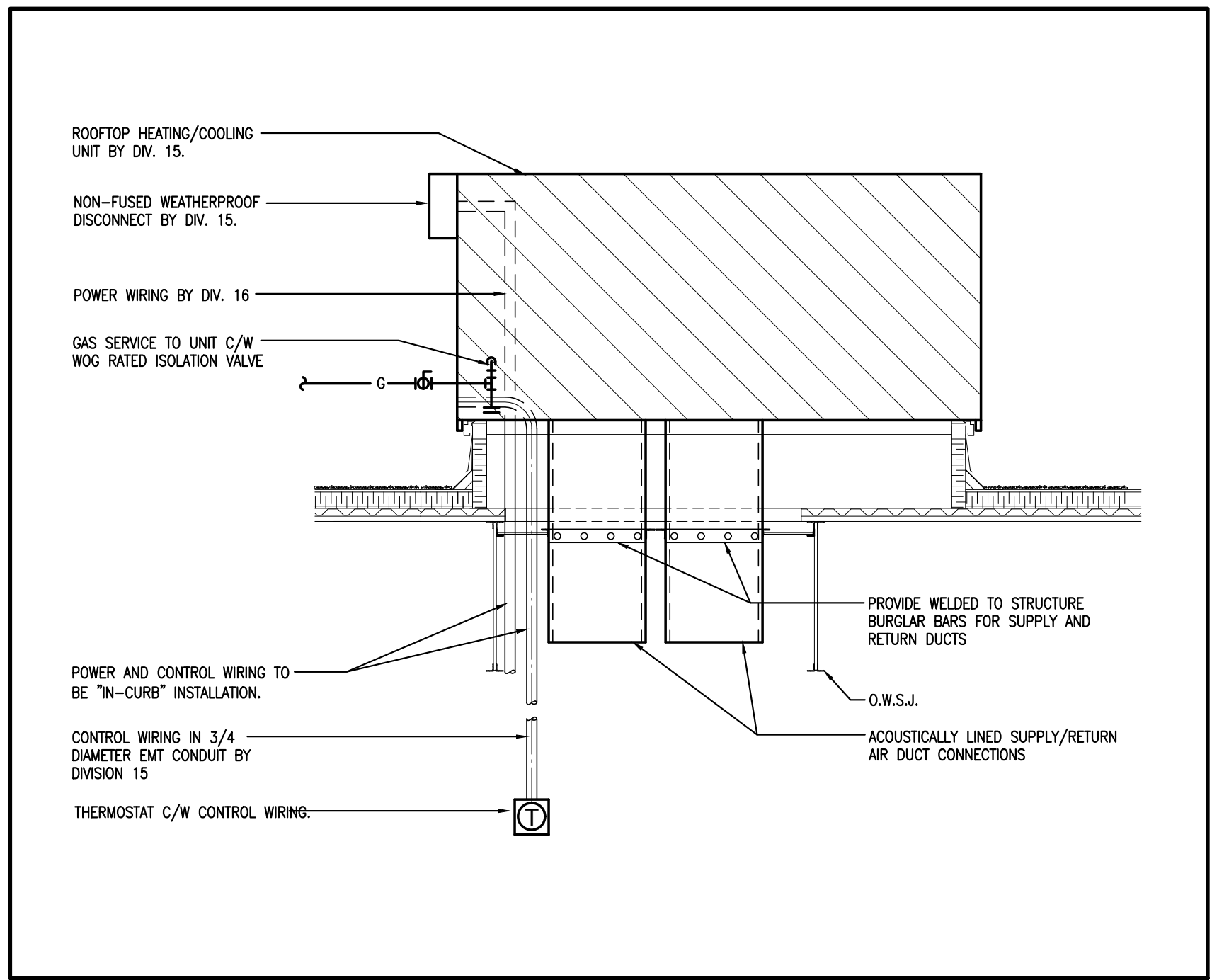
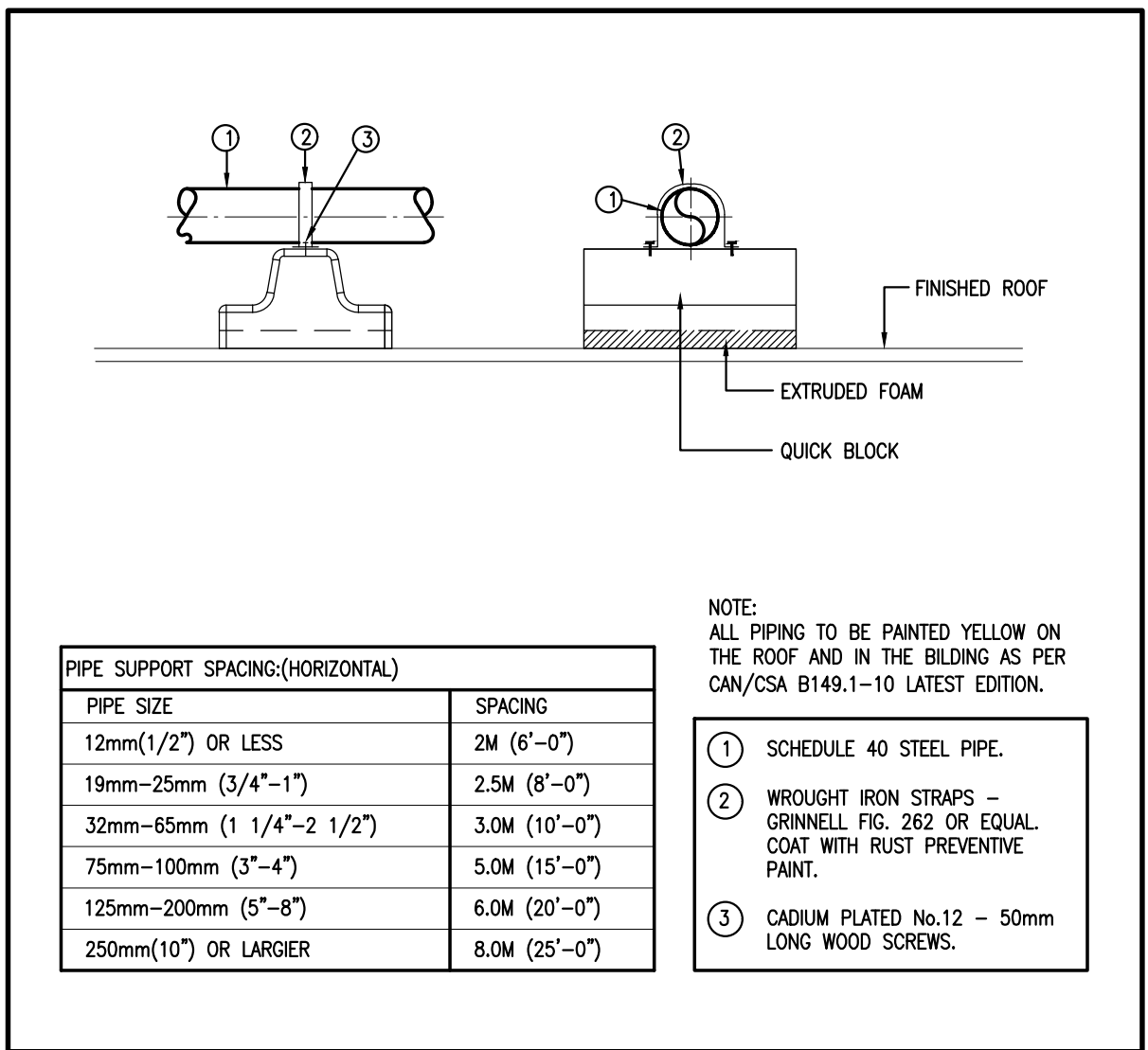
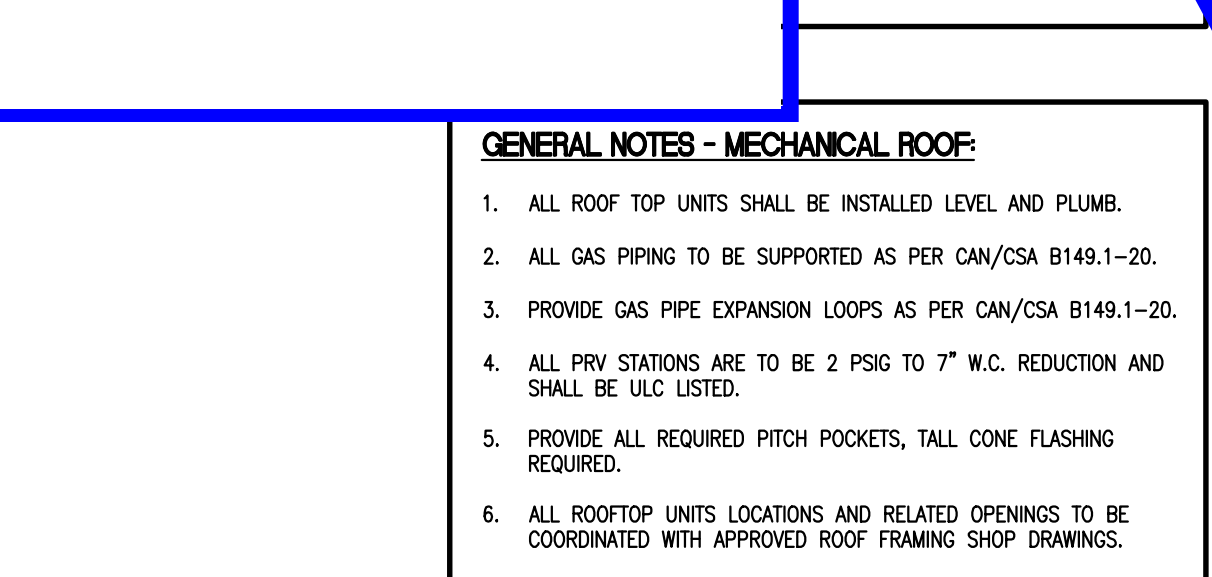
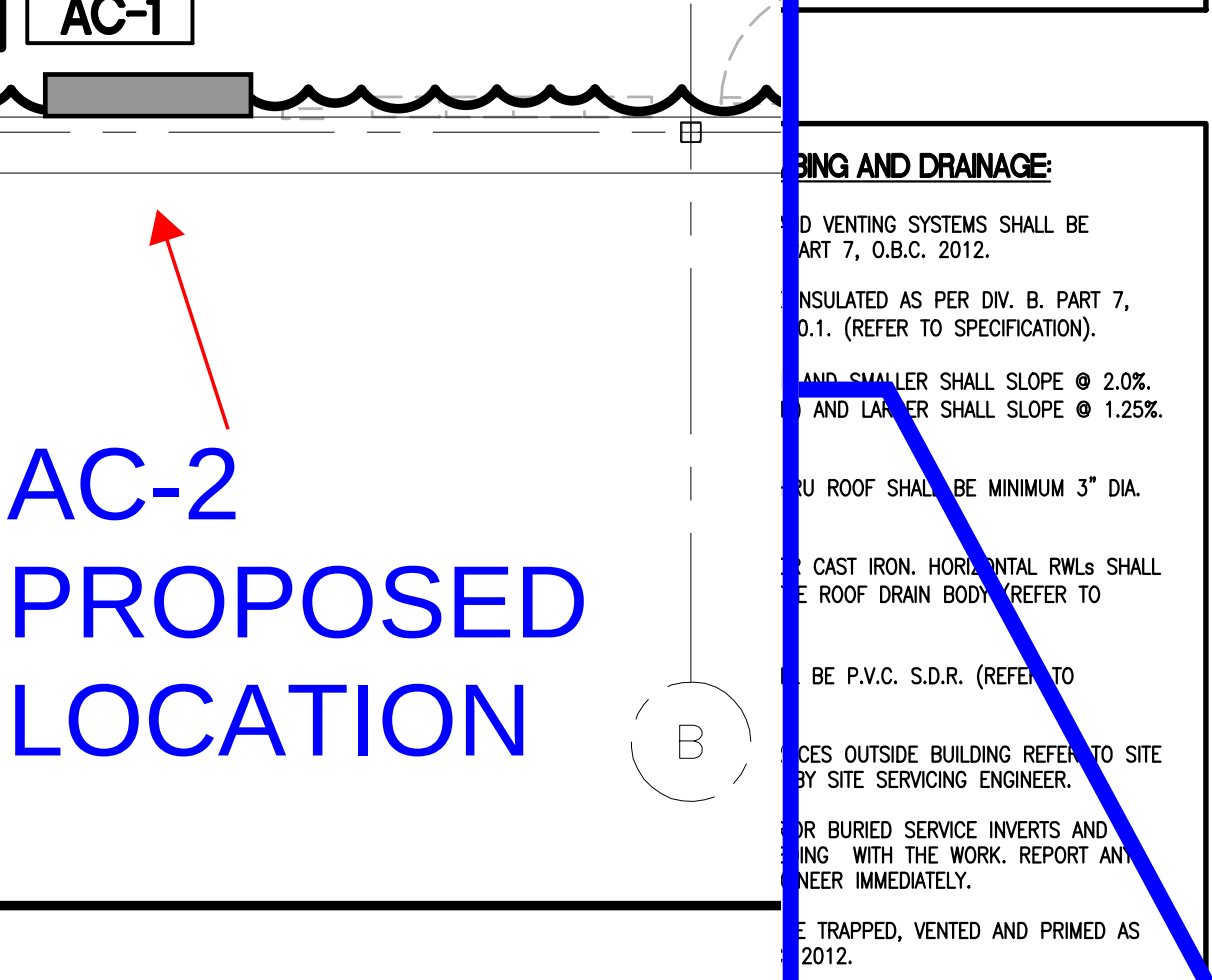
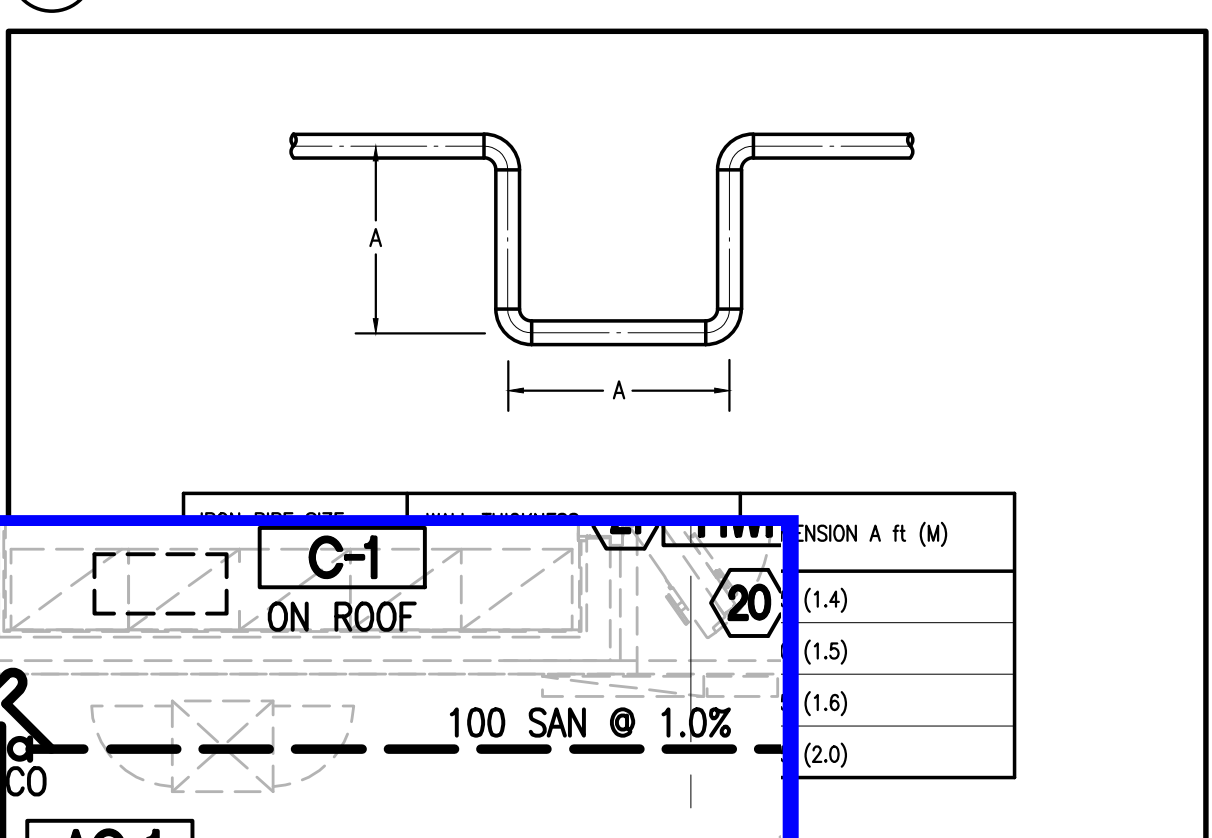




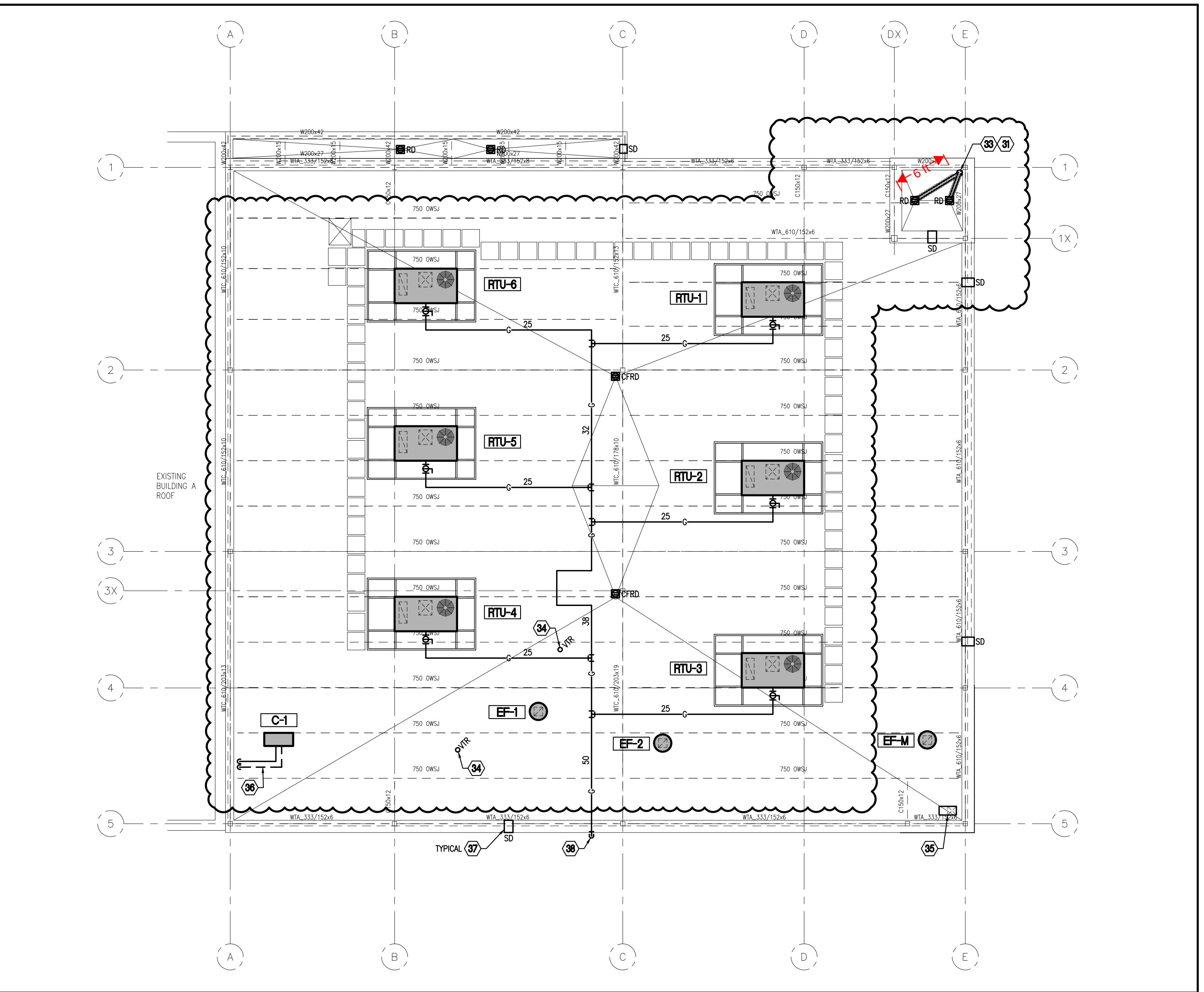
4 ROOFTOP UNIT INSTALLATION DETAIL
M-2.00 N.T.S.



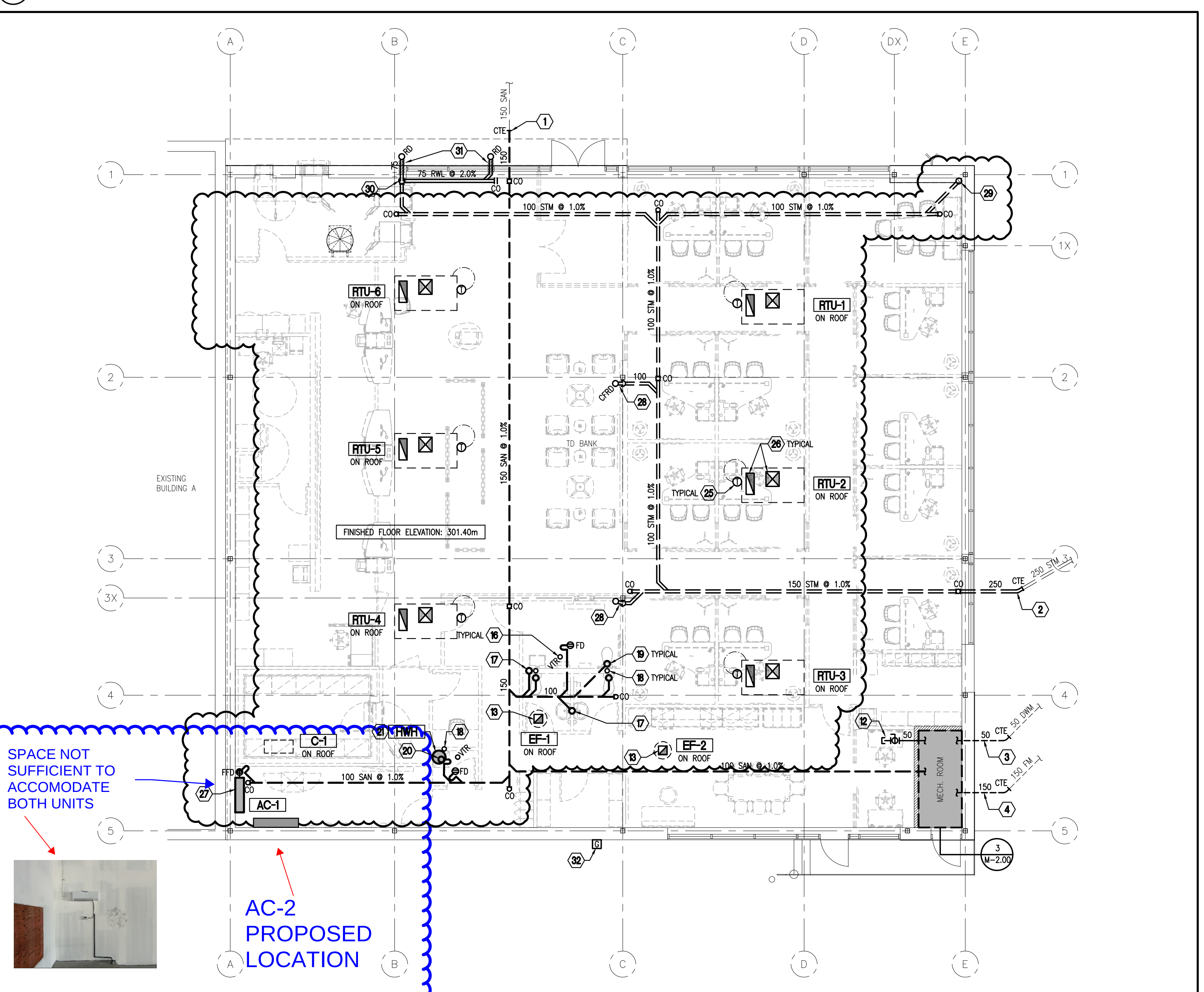
5 GAS PIPING SUPPORT DETAIL
M-2.00 N.T.S.



1 MECHANICAL FLOOR PLAN
M-2.00 1:100



2 MECHANICAL ROOF PLAN
M-2.00 1:100



1 MECHANICAL FLOOR PLAN
M-2.00 1:100

- DRAWING KEY NOTES:**
1. EXTEND 150mm SANITARY MAIN FROM BUILDING AND CONNECT TO EXISTING PROVIDED BY OTHERS (REFER TO CIVIL DRAWINGS)
 2. 150mm SANITARY MAIN CAPPED AT INVERT ELEVATION 291.5m.
 3. EXTEND 250mm STORM MAIN FROM BUILDING AND CONNECT TO EXISTING PROVIDED BY OTHERS (REFER TO CIVIL DRAWINGS)
 4. 250mm STORM MAIN CAPPED AT INVERT ELEVATION 299.79m.
 5. EXTEND 50mm DOMESTIC WATER MAIN FROM BUILDING AND CONNECT TO EXISTING PROVIDED BY OTHERS (REFER TO CIVIL DRAWINGS)
 6. 50mm DOMESTIC WATER MAIN.
 7. EXTEND 150mm FIRE MAIN FROM BUILDING AND CONNECT TO EXISTING PROVIDED BY OTHERS (REFER TO CIVIL DRAWINGS)
 8. 150mm FIRE MAIN.
 9. 150mm FIRE MAIN UP AND CAPPED ABOVE SLAB FOR FUTURE CONNECTION BY SPRINKLERS CONTRACTOR (REFER TO DETAIL).
 10. LOCATION OF WATER METER ASSEMBLY (REFER TO DETAIL).
 11. 50mm WATER MAIN UP AND RUN IN JOISTS SPACE.
 12. FULL SIZE E/A DUCT FROM FAN EF-M, DOWN THROUGH ROOF AND OPEN-ENDED IN JOISTS SPACE.
 13. 300x300mm O/A DUCT DOWN FROM ROOF AND OPEN-ENDED IN JOISTS SPACE C/W MOTORIZED DAMPER (MD) INTERLOCKED WITH EXHAUST FAN EF-M.
 14. THERMOSTAT WITH AUTOMATIC HEAT/COOL CHANGEOVER INTERLOCKED WITH EXHAUST FAN EF-M, MOTORIZED DAMPER (MD) AND HEATER FTH.
 15. ON SENSOR SET POINT, MD DE-ENERGIZED (CLOSED), FAN EF-M DE-ENERGIZED (OFF), HEATER FTH DE-ENERGIZED (OFF).
 16. ON ROOM TEMPERATURE RISE, MD ENERGIZES (OPEN), FAN EF-M ENERGIZES (ON), HEATER FTH DE-ENERGIZED (OFF).
 17. ON ROOM TEMPERATURE DROP, HEATER FTH ENERGIZES (ON), FAN EF-M DE-ENERGIZED (OFF), MD DE-ENERGIZED (CLOSED).
 18. SPARE.
 19. 50mm CW PIPE VALVED AND CAPPED IN JOISTS SPACE FOR FUTURE CONNECTION BY TENANT.
 20. 250x250mm E/A DUCT FROM EXHAUST FAN, DOWN THROUGH ROOF AND CAPPED IN JOISTS SPACE FOR FUTURE CONNECTION BY TENANT.
 21. SPARE.
 22. SPARE.
 23. 75mm PLUMBING VENT DOWN THROUGH ROOF AND CAPPED IN JOISTS SPACE FOR FUTURE CONNECTION BY TENANT.
 24. 38mm SANITARY DRAIN CAPPED AT 600mm ABOVE SLAB FOR FUTURE CONNECTION BY TENANT.
 25. 50mm PLUMBING VENT CAPPED AT 600mm ABOVE SLAB FOR FUTURE EXTENSION BY TENANT.
 26. 75mm TOILET FLANGE PLUGGED FOR FUTURE FIXTURE INSTALLATION BY TENANT.
 27. 75mm TRAPPED SANITARY DRAIN CAPPED AT 300mm ABOVE SLAB FOR FUTURE MOP SINK INSTALLATION BY TENANT.
 28. SUPPLY AND INSTALL ELECTRIC HOT WATER HEATER C/W ALL REQUIRED ACCESSORIES (REFER TO DETAIL). SUSPEND HEATER AT 2.7m (9'-0") A.F.F. AND PROVIDE DRAIN LINE (FINAL DRAIN ADJUSTMENT ABOVE FUTURE MOP SINK BY TENANT). PROVIDE 19mm COLD AND HOT WATER PIPES FROM HEATER VALVED AND CAPPED IN JOISTS SPACE FOR FUTURE CONNECTION BY TENANT.
 29. SPARE.
 30. SPARE.
 31. PROVIDE THERMOSTAT C/W CONTROL WIRING COILED IN JOISTS SPACE FOR FUTURE INSTALLATION BY TENANT.
 32. FULL SIZE S/A AND R/A DUCTS FROM RTU DOWN AND TERMINATE OPEN-ENDED IN JOISTS SPACE FOR FUTURE CONNECTION BY TENANT.
 33. PROPOSED LOCATION OF AIR CONDITIONING UNIT MOUNTED ON WALL AT HIGH LEVEL. COORDINATE EXACT LOCATION WITH TENANT. RUN REFRIGERANT LINES UP TO CONDENSER C-1 ON ROOF AND CONDENSATE LINE TO FTD.
 34. 100mm RWL DOWN COLUMN C/W ACCESSIBLE CLEANOUT AT BASE.
 35. 75a RWL FROM ABOVE (TOWER) AND DOWN COLUMN C/W ACCESSIBLE CLEANOUT AT BASE.
 36. 75a RWL DOWN COLUMN C/W ACCESSIBLE CLEANOUT AT BASE.
 37. PROVIDE INSULATION AND ELECTRIC HEAT TRACING (RAYCHEM XL-TRACE, MODEL SXL1-CR/CT OR EQUAL) TO ALL EXPOSED TO OUTSIDE OR LOCATED IN UNHEATED SPACE DRAINAGE.
 38. PROPOSED LOCATION OF GAS METER (INCOMING GAS LINE AND METER PROVIDED/INSTALLED BY GAS COMPANY). RUN 50mm GAS PIPE FROM METER ON WALL C/W PIPE WALL SUPPORTS UP TO ROOF.
 39. 75a RWL FROM TOWER ROOF DRAINS, COMBINE INTO ONE 75a RWL AND DOWN THROUGH MAIN ROOF.
 40. 75mm PLUMBING VENT UP THROUGH ROOF AND TERMINATE AT MINIMUM 150mm ABOVE ROOF.
 41. 300x300mm O/A INTAKE DUCT UP THROUGH ROOF TO GOOSENECK AT MINIMUM 450mm ABOVE ROOF C/W HEAVY DUTY BRD SCREEN.
 42. RUN REFRIGERATION LINES FROM CONDENSER C-1 C/W PIPE ON ROOF SUPPORTS AND DOWN THROUGH ROOF (TO UNIT AC-1).
 43. PARAPET SCUPPER DRAINS (REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS).
 44. 50mm GAS PIPE UP FROM GAS METER AT GRADE AND RUN ON ROOF C/W PIPE ON ROOF SUPPORTS AND EXPANSION LOOPS AS REQUIRED (REFER TO DETAILS).

NO.	DATE	REVISIONS	BY
2	MAR 11/24	ISSUED FOR PERMIT REVISION	RC
1	MAR 01/24	UPDATED PER TENANT'S COMMENTS	EM
NO.	DATE	REVISIONS	BY

DATE	PARTICULARS	BY
	Issued for Design Approval	
	Issued for Site Plan Approval	
	Issued for Pricing and Budgeting	
NOV 23/23	Issued for Building Permit	RC
NOV 23/23	Issued for Tendering	RC
	Issued for Construction	
	Issued for Record Set of Drawings	

DRAWING ISSUE

This drawing, as an instrument of service, is provided by and is the property of Aegis Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify Aegis Engineering Inc. of any variations from the supplied information.

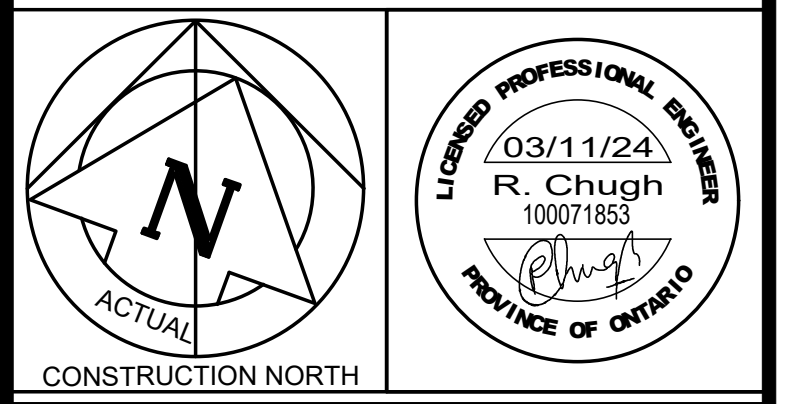
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Construction must conform to all applicable codes and requirements of authorities having jurisdiction.

This drawing is not to be scaled.

All mechanical symbols indicated are graphic representations only.

This drawing is not to be used for construction purposes until the engineer's seal is signed by the Engineer of Record.



PROJECT		
PROPOSED COMMERCIAL DEVELOPMENT BUILDING 'J'		
419 NORWICH AVENUE WOODSTOCK, ONTARIO		
DRAWING NAME MECHANICAL FLOOR AND ROOF PLANS AND DETAILS		
SCALE 1:100	DATE OF DWG. NOVEMBER 2023	PROJECT NO. 2023-026
DRAWN BY EM	SHEET NO. M-2.00	
CHKD BY ML/RC		