

ISSUES

Table with 3 columns: Issue Number, Date, Description. Issues include SCHEMATIC DESIGN, DESIGN DEVELOPMENT, and ISSUE FOR PERMIT.

REVISIONS

Table with 3 columns: Revision Number, Date, Description. Includes Title Sheet Revision.

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Date of issue: 03.27.2026

WATERSOUND SPEC #10
74 ORIGINS MAIN STREET INLET BEACH, FL

MECHANICAL NOTES

JOB 22254.0600
DATE 03.27.2026
SHEET

M01-00

APPLICABLE MECHANICAL CODES. 1. THE INSTALLATION SHALL COMPLY WITH SPECIFICATIONS AND ALL REQUIREMENTS OF THE LATEST EDITION OF THE N.E.C., OSHA, STATE AND LOCAL CODES. 2. TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH SECTION 110.8.4.4 AND CHAPTER 633, FLORIDA STATUTES.

MECHANICAL SHEET LIST. M01-00 MECHANICAL NOTES, M02-01 MECHANICAL PLAN - LEVEL ONE - OVERALL, M02-01A MECHANICAL PLAN - LEVEL ONE - LOUVER SECTION, M02-02 MECHANICAL PLAN - ROOF - OVERALL, M06-00 MECHANICAL SCHEDULES & DETAILS.

VENTILATION AIR REQUIREMENT 2023 FLORIDA MECHANICAL CODE 603.3. Table with columns: HVAC UNIT, AREA SERVED, OCCUPANT LOAD, VENTILATION REQUIRED PER PERSON, OA REQUIREMENT, EA DESIGNED, EA REQUIREMENT, EXHAUST FANS.

DESIGN CONDITIONS. OUTDOOR/AMBIENT CONDITIONS: 92.3°F DRY BULB AND 76.7°F WET BULB. INDOOR CONDITIONS: 75°F DRY BULB AND 50% RH.

- MECHANICAL GENERAL NOTES. 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH 2023 FLORIDA BUILDING CODE, MECHANICAL 8TH EDITION AND APPLICABLE CODES... 2. CONTRACTOR SHALL PROVIDE ALL WORK CUSTOMARILY INCLUDED IF NOT SPECIFICALLY CALLED FOR ON THE PLANS... 3. CONTRACTOR TO CONSULT BUILDING OWNER FOR BUILDING STANDARDS AND CONTROL SEQUENCES... 4. CONTRACTOR SHALL CONFIRM THE EXISTENCE OF FIRE DAMPERS AS REQUIRED BY CODE IN ANY DUCT PENETRATING EXISTING FIRE RATED PARTITIONS... 5. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL DETAILS OF THE WORK AND EXISTING CONDITIONS... 6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL TRADES INSTALLATION SCHEDULES... 7. CONTRACTOR SHALL REVIEW STRUCTURAL DRAWINGS BEFORE INSTALLATION TO AVOID ANY BEAM CONFLICTS... 8. CONTRACTOR SHALL PROVIDE A COPY OF THE CERTIFIED TEST AND BALANCE REPORT AT FINAL INSPECTION... 9. ALL SUPPLY TAKE-OFFS ARE CONNECTED TO HARD TRUNK DUCT WITH SPIN-IN FITTING... 10. MATCH DIFFUSER INSULATING FRAME WITH CEILING TYPE... 11. ALL DUCT SIZES INDICATED ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS... 12. ALL MEDIUM PRESSURE AND HIGH PRESSURE DUCTWORK SHALL BE SHEETMETAL PER SMACNA STANDARDS... 13. ALL LOW PRESSURE DUCTWORK SHALL BE 1/2" THICK R60 FIBERGLASS WITH ANTIMICROBIAL LINER... 14. ALL OUTSIDE AIR DUCTWORK SHALL BE SHEET METAL... 15. RE-ADJUST THE THROW OF ALL AIR DISTRIBUTION DEVICES... 16. ALL CEILING MOUNTED DIFFUSERS SHALL BE 4-WAY THROW UNLESS OTHERWISE NOTED... 17. IN GENERAL, PLANS AND DIAGRAMS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED... 18. COORDINATE AIR DEVICE LOCATIONS WITH LIGHTING FIXTURES... 19. PROVIDE ADDITIONAL DUCTWORK AND PIPING SUPPORTS ON BOTH SIDES AND WITHIN 18" OF FIRE RATED WALL... 20. FOR DUCTWORK PENETRATING ONE HOUR FIRE RATED WALL... 21. TURNING VANES SHALL BE PROVIDED IN ALL SUPPLY DUCT RECTANGULAR ELBOWS... 22. DUCTWORK SHALL NOT BE SUPPORTED BY THE CEILING OR CEILING SUSPENSION SYSTEM... 23. ALL WALL MOUNTED THERMOSTATS AND/OR TEMPERATURE SENSORS SHALL BE INSTALLED AT AN ELEVATION OF 48" A.F.F... 24. PENETRATIONS THROUGH SMOKE OR FIRE RATED ASSEMBLIES... 25. UNLESS OTHERWISE NOTED, INSTALL DUCTWORK AS HIGH AS POSSIBLE... 26. PROVIDE ALL SUPPLEMENTARY STEEL REQUIRED TO INSTALL MECHANICAL EQUIPMENT... 27. ALL DASHED LINED EQUIPMENT AND DUCTWORK ARE EXISTING... 28. OUTSIDE AIR SUPPLY RATES CONFORM TO FBCM 403.3.1.1 STANDARDS... 29. INSTALLATION OF MECHANICAL EQUIPMENT SHALL COMPLY WITH THE MANUFACTURER'S SPECIFICATIONS... 30. FIRE PROTECTION DRAWINGS SHALL BE PROVIDED SEPARATELY... 31. UTILITIES AND SERVICES INDICATED ARE TAKEN FROM VARIOUS OLD AND NEW SURVEYS... 32. ALL NEW DUCTWORK NOT LINED TO BE WRAPPED WITH NEW 2" INSULATION... 33. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10' FROM THE ROOF'S EDGE... 34. ALL MECHANICAL WORK SHALL LEAVE BUILDINGS/STRUCTURE IN A SAFE STRUCTURAL CONDITION... 35. ALL CONDENSATE LINES SHALL BE COPPER AND INSULATED... 36. FOR SYSTEMS OVER 2000 CFM, INSTALL DUCT MOUNTED SMOKE DETECTORS... 37. WHERE MULTIPLE AIR-HANDLING SYSTEMS SHARE COMMON SUPPLY WITH A COMBINED DESIGN CAPACITY...

MECHANICAL SYMBOL LEGEND (Not all symbols are used) and MECHANICAL PIPING SYMBOL LEGEND (Not all symbols are used). Includes symbols for duct sizes, pipe types, valves, diffusers, and mechanical equipment.

GENERAL PLAN SYMBOLS, ABBREVIATIONS, and EQUIPMENT ABBREVIATIONS. Includes symbols for plan revisions, room names, and abbreviations for various mechanical components like air conditioning units, pumps, and fans.

FL LICENSE #26759. WILSON & GIRGENTI, P.A. 200 E. ROBINSON STREET, STE. 970 ORLANDO, FL 32801 WORKWITHHWG.COM 813.855.3330

MECHANICAL SCHEDULE - ROOF TOP UNIT (RTU)

SYMBOL	AREA SERVED	MANUFACTURER	MODEL	TOTAL SUPPLY CFM	OUTSIDE AIR SUPPLY CFM	ESP (IN H2O)	ENTERING DB (F)	ENTERING WB (F)	TOTAL CAPACITY (BTU/HR)	TOTAL SENSIBLE CAPACITY (BTU/HR)	EER	HEATING GAS	VOLTAGE	PHASE	HP	MCA	MOCP	WEIGHT	MECHANICAL ACCESSORIES
RTU 100A	LEASE 100	TRANE	YSK060A3SOL	2,000 CFM	300 CFM	0.968 in-wg	80 °F	67 °F	61740	48150	12	80,000 Btu/h	208 V	3	1.0	29.0 A	45.0 A	719 lb	1,2,3,4,5,6,7
RTU 100B	LEASE 100	TRANE	YSK060A3SOL	2,000 CFM	300 CFM	0.968 in-wg	80 °F	67 °F	61740	48150	12	80,000 Btu/h	208 V	3	1.0	29.0 A	45.0 A	719 lb	1,2,3,4,5,6,7
RTU 100C	LEASE 100	TRANE	YSK060A3SOL	2,000 CFM	300 CFM	0.968 in-wg	80 °F	67 °F	61740	48150	12	80,000 Btu/h	208 V	3	1.0	29.0 A	45.0 A	719 lb	1,2,3,4,5,6,7
RTU 101A	LEASE 101A	TRANE	YSK072A3SOL	2,400 CFM	312 CFM	0.651 in-wg	80 °F	67 °F	83090	62520	11	80,000 Btu/h	208 V	3	3.0	38.0 A	50.0 A	1020 lb	1,2,3,4,5,6,7
RTU 101B	LEASE 101B	TRANE	YSK072A3SOL	2,400 CFM	312 CFM	0.651 in-wg	80 °F	67 °F	83090	62520	11	80,000 Btu/h	208 V	3	3.0	38.0 A	50.0 A	1020 lb	1,2,3,4,5,6,7
RTU 101C	LEASE 101C	TRANE	YSK072A3SOL	2,400 CFM	312 CFM	0.651 in-wg	80 °F	67 °F	83090	62520	11	80,000 Btu/h	208 V	3	3.0	38.0 A	50.0 A	1020 lb	1,2,3,4,5,6,7
RTU 102A	LEASE 102	TRANE	YSK120A3SOL	4,000 CFM	560 CFM	1.056 in-wg	80 °F	67 °F	126490	97890	11	150,000 Btu/h	208 V	3	3.0	57.0 A	80.0 A	1122 lb	1,2,3,4,5,6,7
RTU 102B	LEASE 102	TRANE	YSK120A3SOL	4,000 CFM	560 CFM	1.056 in-wg	80 °F	67 °F	126490	97890	11	150,000 Btu/h	208 V	3	3.0	57.0 A	80.0 A	1122 lb	1,2,3,4,5,6,7
RTU 102C	LEASE 102	TRANE	YSK120A3SOL	4,000 CFM	560 CFM	1.056 in-wg	80 °F	67 °F	126490	97890	11	150,000 Btu/h	208 V	3	3.0	57.0 A	80.0 A	1122 lb	1,2,3,4,5,6,7
RTU 102D	LEASE 102	TRANE	YSK120A3SOL	4,000 CFM	560 CFM	1.056 in-wg	80 °F	67 °F	126490	97890	11	150,000 Btu/h	208 V	3	3.0	57.0 A	80.0 A	1122 lb	1,2,3,4,5,6,7

- ACCESSORIES:
 1. REFRIGERANT DETECTION SYSTEM.
 2. DRY BULB LOW LEAK ECONOMIZER WITH BAROMETRIC RELIEF AND HOODS WITH ECONOMIZER FAULT DETECTION & DIAGNOSTIC.
 3. SMART EQUIPMENT CONTROLLER INCLUDING DISCHARGE AIR, RETURN AIR, AND OUTDOOR AIR TEMPERATURE SENSORS, BAGNET MS/TP, MODBUS AND N2 COMMUNICATION CARD.
 4. POWERED CONVENIENCE OUTLET (110 VAC / 15 AMP).
 5. HACR CIRCUIT BREAKER/DISCONNECT.
 6. SUPPLY AIR SMOKE DETECTOR.
 7. FACTORY APPLIED ELECTROFIN COATING FOR CONDENSER COIL.

MECHANICAL SCHEDULE - DUCTLESS SPLIT SYSTEM - FAN UNIT (FCU)

SYMBOL	AREA SERVED	MANUFACTURER	MODEL	UNIT TYP	ASSOCIATED CU	TOTAL SUPPLY	NOMINAL TONS	TOTAL CAPACITY (MBH)	SEER2	ENTERING DB (F)	ENTERING WB (F)	VOLTAGE	PHASE	MCA	MOCP	WEIGHT	MECHANICAL ACCESSORIES
FCU 1	CORRIDOR 103	HITACHI	PPK-B24UFA1DQ	WALL MOUNTED	CU 1	700 CFM	2	1.8 ton	22	80 °F	67 °F	208 V	1	14.3 A	25.0 A	31.9 lb	1,2,3
FCU 2	'CORRIDOR	HITACHI	PPK-B24UFA1DQ	WALL MOUNTED	CU 2	700 CFM	2	1.8 ton	22	80 °F	67 °F	208 V	1	14.3 A	25.0 A	31.9 lb	1,2,3
FCU 3	MEP 105	HITACHI	PPK-B24UFA1DQ	WALL MOUNTED	CU 3	700 CFM	2	1.8 ton	22	80 °F	67 °F	208 V	1	14.3 A	25.0 A	31.9 lb	1,2,3

- ACCESSORIES:
 1. INDOOR UNIT RECEIVES POWER FROM OUTDOOR UNIT.
 2. PROVIDE WITH MATCHING MINI CONDENSATE PUMP. CONDENSATE PUMP SHIPPED LOOSE AND INSTALLED ON SITE.
 3. PROVIDE HARD-WIRED THERMOSTAT AT INDOOR UNIT LOCATION.

MECHANICAL SCHEDULE - DUCTLESS SPLIT SYSTEM - CONDENSING UNIT (CU)

SYMBOL	AREA SERVED	MANUFACTURER	MODEL	ASSOC FAN	NOMINAL TONS	QTY OF COMPRESSORS	COMPRESSOR TYPE	TOTAL CAP (MBH)	AMBIENT DB (F)	SEER2	VOLTAGE	PHASE	MCA	MOCP	WEIGHT	MECHANICAL ACCESSORIES
CU 1	CORRIDOR 103	HITACHI	PAS-24BUFASDQ1	FCU 1	2	1	SCROLL	1.8 ton	95 °F	22	208 V	1	14.3 A	20.0 A	119 lb	1,2
CU 2	'CORRIDOR	HITACHI	PAS-24BUFASDQ1	FCU 2	2	1	SCROLL	1.8 ton	95 °F	22	208 V	1	14.3 A	20.0 A	119 lb	1,2
CU 3	MEP 105	HITACHI	PAS-24BUFASDQ1	FCU 3	2	1	SCROLL	1.8 ton	95 °F	22	208 V	1	14.3 A	20.0 A	119 lb	1,2

- ACCESSORIES:
 1. OUTDOOR UNIT PROVIDES POWER TO INDOOR UNIT.
 2. PROVIDE WITH KIT FOR ULTRA-LOW AMBIENT OPERATION FOR PROJECTS WHERE ASHRAE 99.6% WINTER DESIGN TEMPERATURE IS 20 DEG F OR BELOW.

MECHANICAL SCHEDULE - ELECTRIC WALL HEATER (EWH)

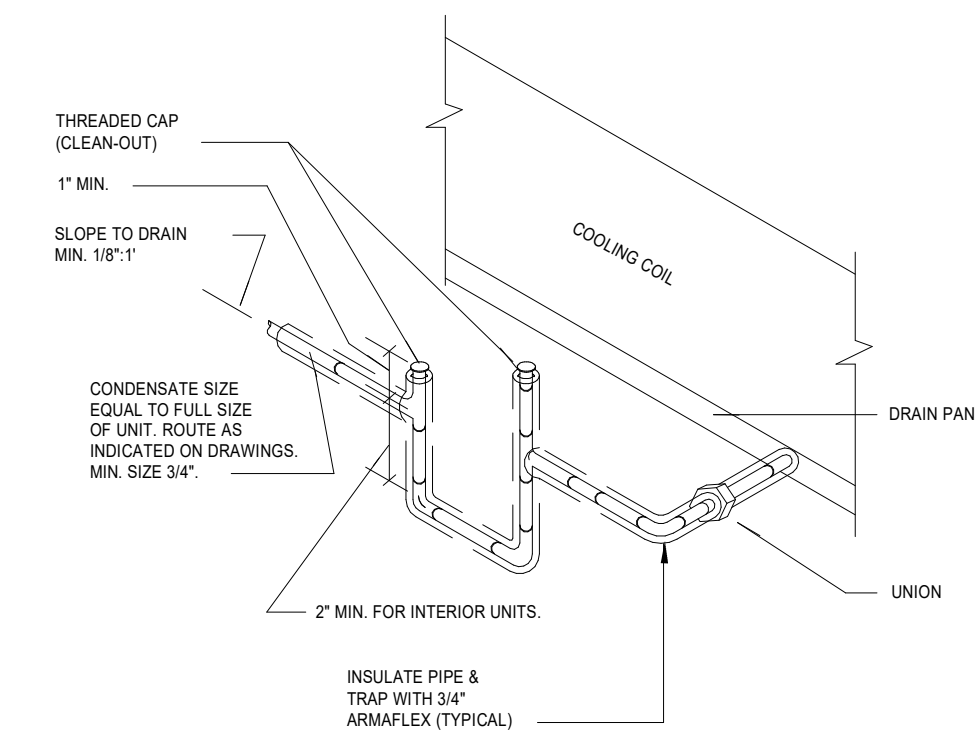
SYMBOL	AREA SERVED	MANUFACTURER	MODEL	VOLTAGE	PHASE	KW	AMPS	MCA	MOCP	MECHANICAL ACCESSORIES
EWH 1	FP 104	MOR	SSAR4908	208 V	2	4.8	23.1 A	28.875 A	30.0 A	1,2,3,4

- ACCESSORIES:
 1. MOUNT 8 FEET ABOVE FINISHED FLOOR WITHOUT OBSTRUCTING AIRFLOW.
 2. PROVIDE WITH UNIT MOUNTED THERMOSTAT.
 3. PROVIDE NECESSARY MOUNTING BRACKET AND ACCESSORIES FOR WALL MOUNTING.
 4. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH INSTALLED ON SERVICE SIDE OF UNIT.

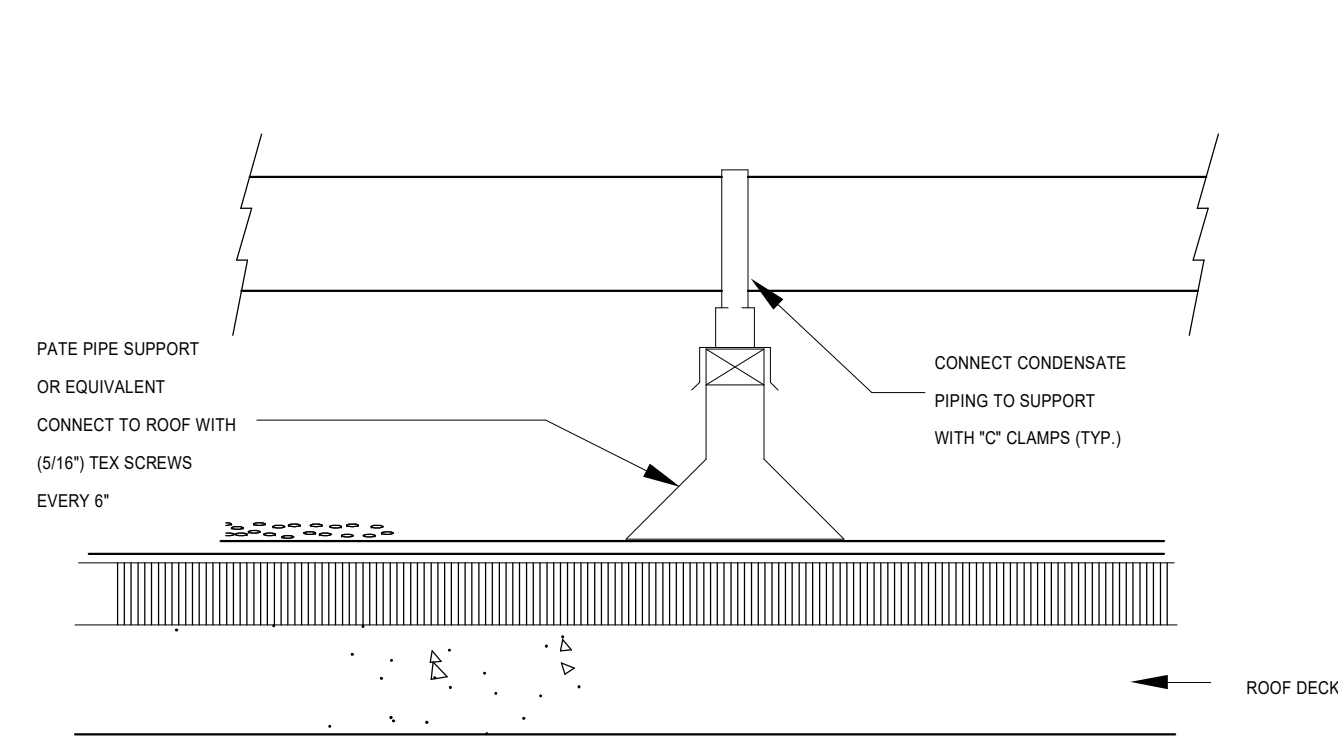
MECHANICAL SCHEDULE - LOUVER (L)

SYMBOL	MANUFACTURER	MODEL	SERVICE	FACE	COLOR	ACCESSORIES
L 100	GREENHECK	ESJ-202-14X12	EXHAUST	14"X12"	ARCHITECTURE PREFERENCE	1
L 101A	GREENHECK	ESJ-202-14X12	EXHAUST	14"X12"	ARCHITECTURE PREFERENCE	1
L 101B	GREENHECK	ESJ-202-14X12	EXHAUST	14"X12"	ARCHITECTURE PREFERENCE	1
L 101C	GREENHECK	ESJ-202-14X12	EXHAUST	14"X12"	ARCHITECTURE PREFERENCE	1
L 102	GREENHECK	ESJ-202-14X12	EXHAUST	14"X12"	ARCHITECTURE PREFERENCE	1

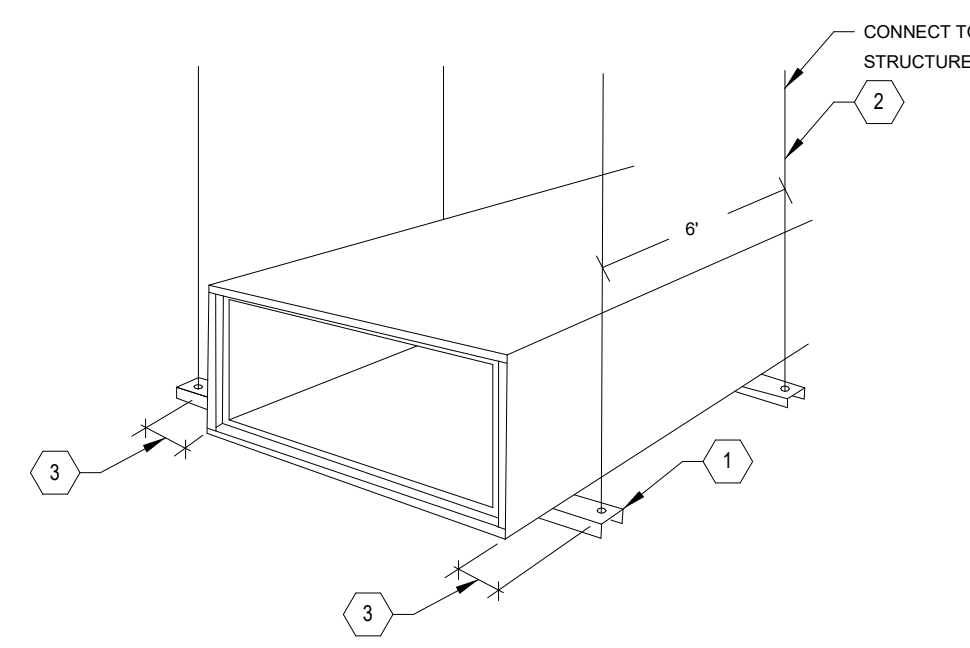
- ACCESSORIES:
 1. PROVIDE BIRD SCREEN.



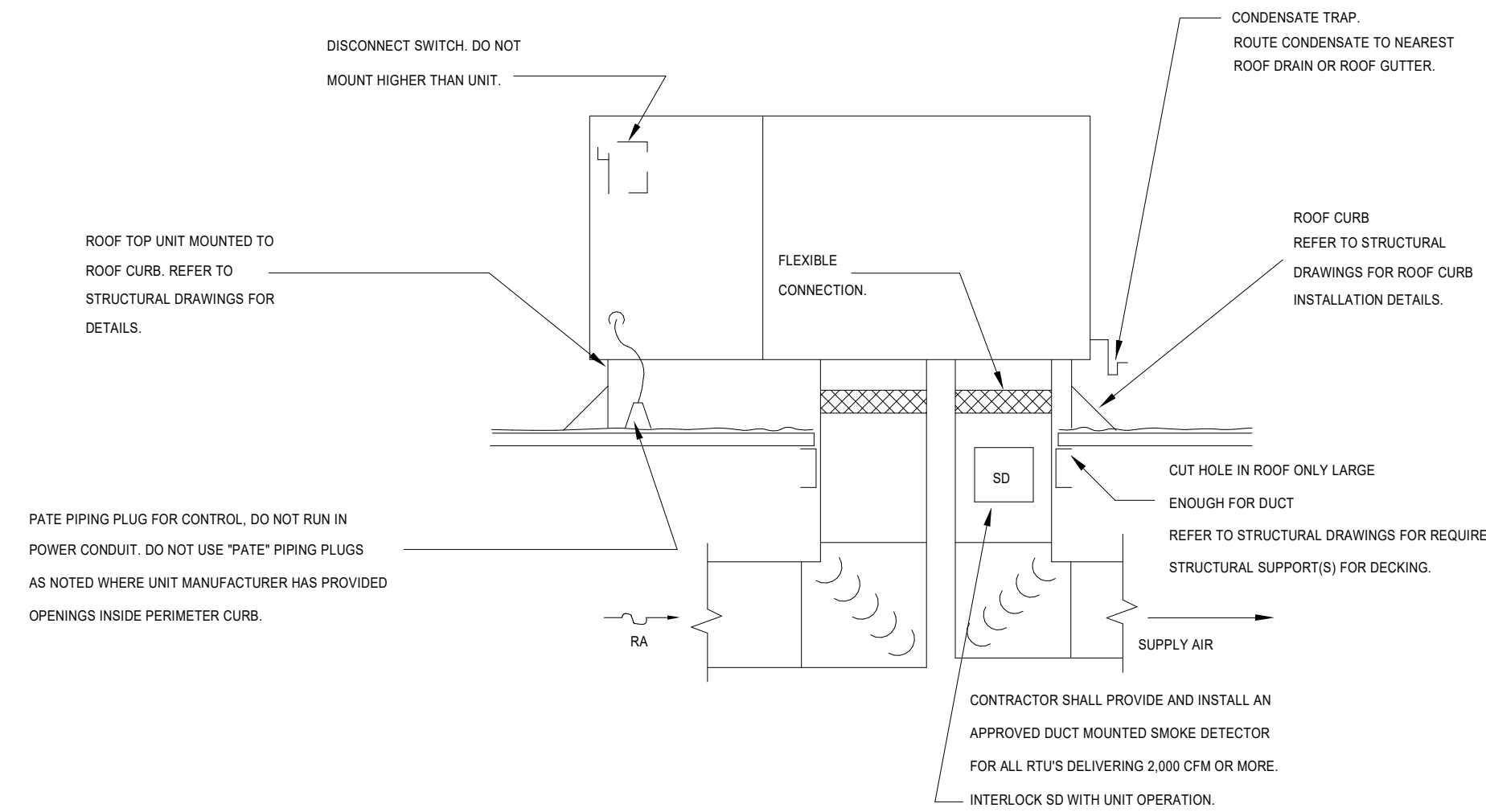
1 CONDENSATE P-TRAP DETAIL
M06-00 N.T.S.



2 CONDENSATE P-TRAP DETAIL
M06-00 N.T.S.



3 CONDENSATE P-TRAP DETAIL
M06-00 N.T.S.



4 CONDENSATE P-TRAP DETAIL
M06-00 N.T.S.

ISSUES

1	12.19.2025	SCHEMATIC DESIGN
2	02.13.2026	DESIGN DEVELOPMENT
3	03.27.2026	ISSUE FOR PERMIT
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