

H.V.A.C. GENERAL NOTES:

ALL WORK SHALL CONFORM WITH THE FLORIDA BUILDING CODE 2017, NFPA, NEC, AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND ORDINANCES.

CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, TAXES, INSPECTIONS, TESTS, PERFORMANCE BONDS, FINES AND OTHER ITEMS AS REQUIRED FOR THE INSTALLATION OF THE COMPLETE MECHANICAL SYSTEMS, AND SHALL BE RESPONSIBLE FOR OBTAINING HIS OWN PERMIT.

MECHANICAL PLANS ARE DIAGRAMATIC, AND MAY CHANGE DUE TO FIELD CONDITIONS.

ARCHITECTH SHALL BE COORDINATE WITH ALL TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION AND IN STRICT COMPLIANCE WITH STRUCTURAL PLANS AND ALL APPLICABLE CODES AND STANDARDS.

MECHANICAL CONTRATOR SHALL VERIFY AND COORDINATE EXISTING OF THE BUILDING BEFORE INSTALLATION AND COORDINATE RUTE OF DUCTWORK SYSTEMS.

CONTRACTOR SHALL PROVIDE ALL REQUIRED INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK. ALSO VERIFY EXISTING CONDITIONS BEFORE START THE JOB.

RIGID DUCTS SHALL FIBERGLASS DUCT-BOARD WHEN RUNNING IN CONDITIONED SPACE COULD BE R-4.2 AND DUCTWORK RUNNING IN UNCONDITIONED SPACE SHALL BE R-6 MIN INSUATION. PLS VERIFY LOCAL CODES. FLEXIBLE DUCTS SHALL BE THE INSULATED R-6, SUPPORTED AND INSTALLED TO AVOID SAGS AND KINKS. ALL FLEXIBLE DUCTS SHALL BE SIMILAR IN LENGTH TO AVOID DISSIMILAR PRESSURE DROPS. ALL DUCTWORK SYSTEM SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. SEAL ALL FLEXIBLE DUCTS TO SUPPLY DUCTS AND DIFFUSERS WITH DUCT TAPE AND MASTIC.

DUCT CONSTRUCTION, BRACING AND SUSPENSION IN ACCORDANCE WITH THE RECOMMENDATIONS SET FORTH IN THE LATEST EDITION OF THE A.S.H.R.A.E. GUIDE AND S.M.A.C.N.A. STANDARDS. DUCT SIZES SHOWN ARE "INSIDE" DIMENSIONS. VERIFY EXACT LOCATION OF DUCT WITH RESPECT TO STRUCTURE BEFORE FABRICATION.

ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION AND IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES AND STANDARDS.

GENERAL/MECHANICAL CONTRACTOR SHALL BE VERIFY ALL INSULATION VALUE USED FOR CALCUALTIUNS IN ENERGY AND/OR HEAT LOAD PROVIDED BY MECHANICAL ENGINEER.

CUT ALL OPENINGS AND CHASES REQUIRED TO ACCOMMODATE THE WORK UNDER THIS DIVISION, AND REPAIR ALL FLOORS, WALLS, ETC., DAMAGED BY SUCH CUTTINGS. ALL WORK DONE UNDER THIS HEADING MUST CONFORM IN EVERY RESPECT TO FINISH AND QUALITY OF MATERIALS AND WORKMANSHIP SPECIFIED UNDER APPROPRIATE SECTIONS FOR THE BUILDING.

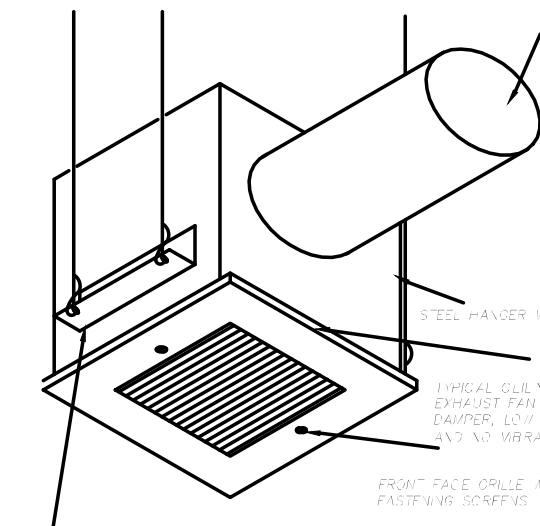
MECHANICAL CONTRACTOR SHALL BE RESPONSABLE FOR AIR BALANCE ACORDING WITH PLAN.

ALL DUCTWORK RUNNING IN CONDITIONED SPACE COULD BE R-4 AND DUCTWORK RUNNING IN UNCONDITIONED SPACE SHALL BE R-6 MIN INSUATION. PLS VERIFY LOCAL CODES.

PROVIDE 1" UNDERCUT AT ALL INTERIOR DOORS.

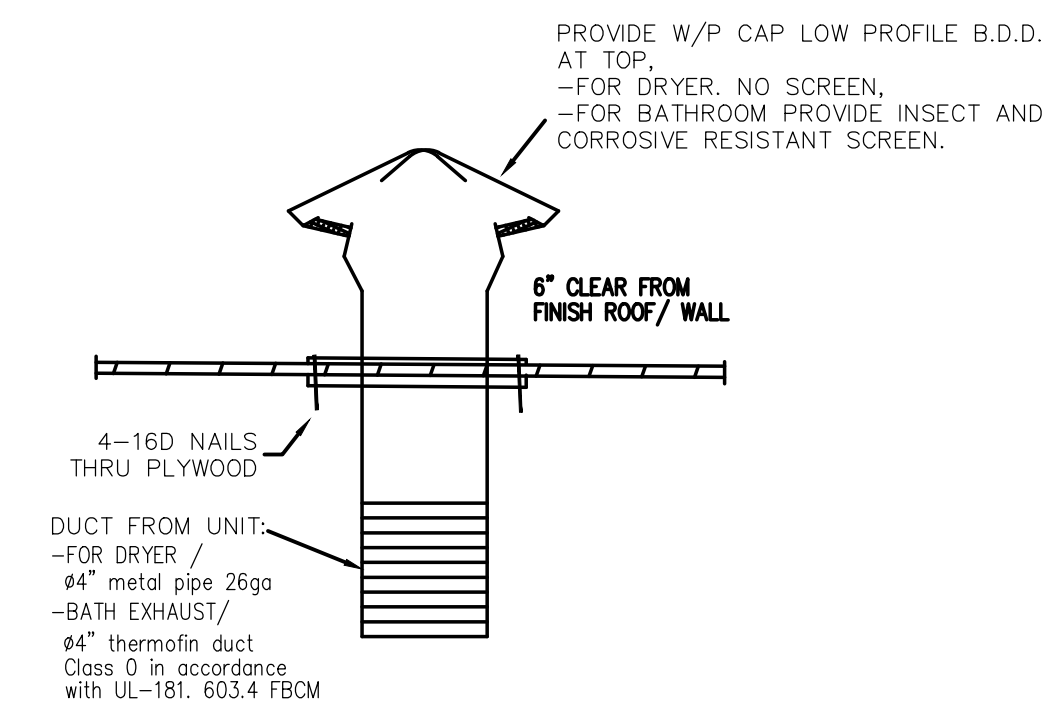
HVAC DESIGN REQUIRES	YES	NO
DUCT SMOKE DETECTOR		X
FIRE DAMPER(S)/ RADIANT		X
SMOKE DAMPER(S)		X
FIRE RATED ENCLOSURE		X
FIRE RATED ROOF CEILING ASSEMBLY		X
FIRE STOPPING		X
SMOKE CONTROL		X

SPLIT SYSTEM SCHEDULE	
NOMINAL TONS	5
TOTAL COOLING CAP. (BTU/HR)	60,000
SENSIBLE COOLING CAP.(BTU/HR)	42,100
SUPPLY (CFM)	1800
HEATER (KW)	10
ESP-IN WG	0.3
AHU MIN CIRCUIT AMPACITY	7.0
CU MIN CIRCUIT AMPACITY	35
VOLTAGE	208-240 VAC
DESIGN MANUFACTURE	SIEM (OR EQUAL APPROVED)
AHU MODEL	WH176024STANJIA
CU MODEL	WA1660AJINA
SIZER	14.5
REFRIGERANT LINE SIZE	7/8"-3/8"



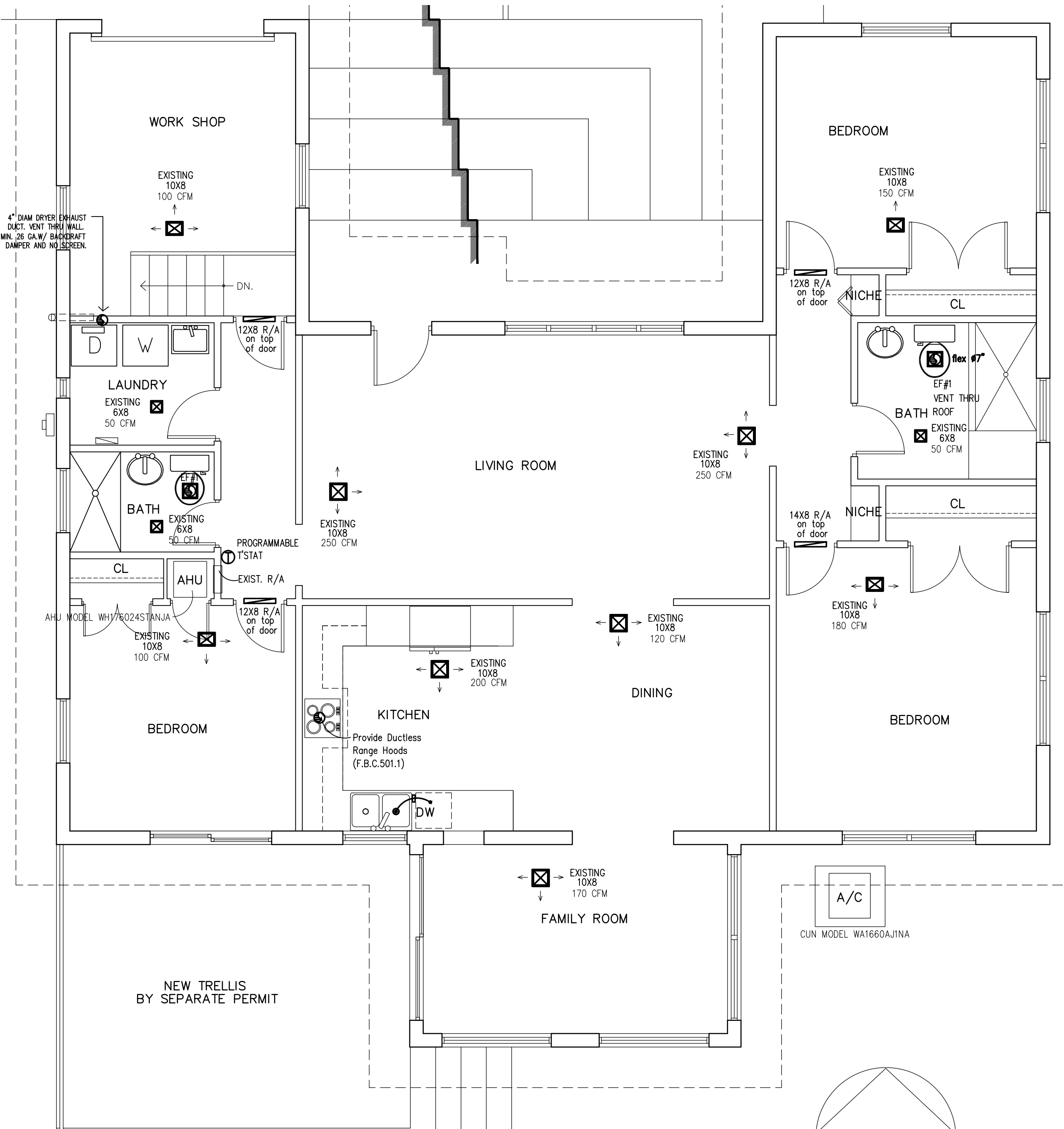
CEILING MOUNTED CABINET EXHAUST FAN DETAIL

EF#1
EXH FAN#1 (BRAND: BROAN)
MODEL 696, 50 CFM & B.D.D.
WIRE CONNECTED TO INDEPENT SWITCH.



TYPICAL ROOF/ WALL CAP DETAIL @ DRYER AND/OR TOILET EXH.

NOTE: HORIZONTAL DESHAGE 3" MIN AWAY FROM ANY OPENING N.T.S.



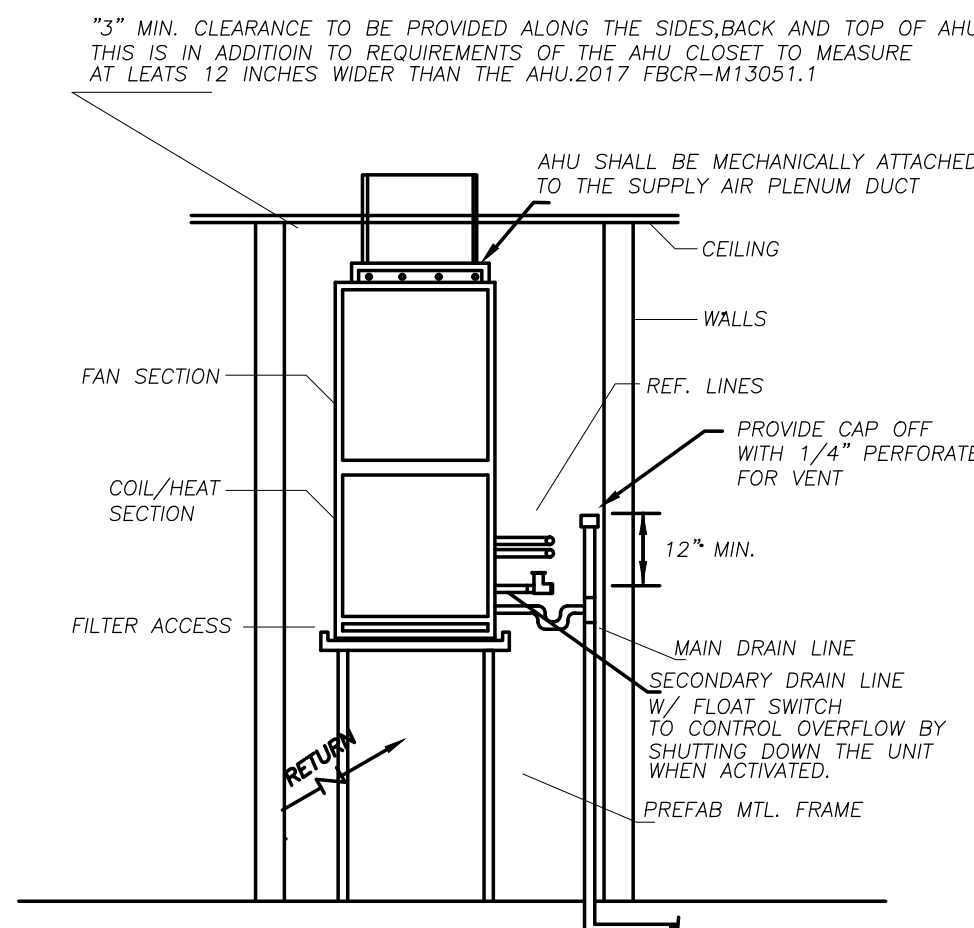
MECHANICAL PLAN

SCALE 1/4" = 1'-0"

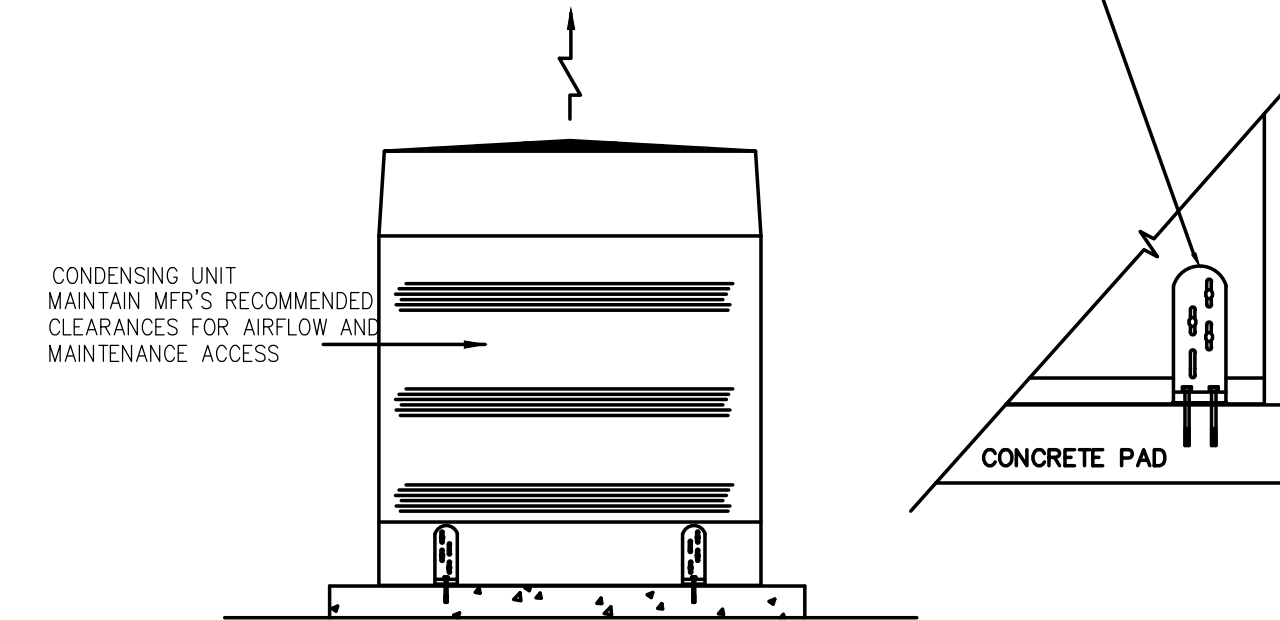
MECHANICAL SCOPE OF WORK:

- EXISTING AIR CONDITION TO REPLACE.
- IS LIMITED TO INSTALL A/C UNIT AS SPECIFY IN THIS PLAN.
- DUCT WORK SYSTEMS TO REMAIN AND VENTILATION SYSTEMS AS SPECIFY IN THIS PLAN.

(PLS REF N.O.A. 15-0903.08) C.U. SHALL BE ATTACHED TO THE CONC. SLAB WITH (4) GALV STEEL CLIP 1" WIDE X 14GA TO COMPLY W/ FBC M-301.15, FBC 1620 AND THE INTERPRETATION FROM THE BOARD OF RULES AND APPEALS DATED DECEMBER 13, 2018 BORA INTERPRETATION - WIND RESISTANCE OF MECHANICAL EQUIPMENT.



AHU CLOSET INSTALLATION



CONDENSING UNIT INSTALLATI

NOTES:
 - REFRIGERANT CIRCUIT ACCESS PORTS LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING-TYPE TAMPER RESISTANT CAPS OR SHALL BE OTHERWISE SECURED TO PREVENT UNAUTHORIZED ACCESS. TO COMPLIANCE WITH THE FBC, R SECTION M1411.6
 - ALL EXPOSED REFRIGERANT PIPING INSULATION TO BE JACKETED OR PAINTED WITH AV PRO NOTE ON CONDENSING UNIT MOUNTING DETAIL.

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Drawn by	MONTOYA
Date	11-23-22
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Scale	AS SHOWN
Job No	202216
Sheet	M-1 MECHANICAL