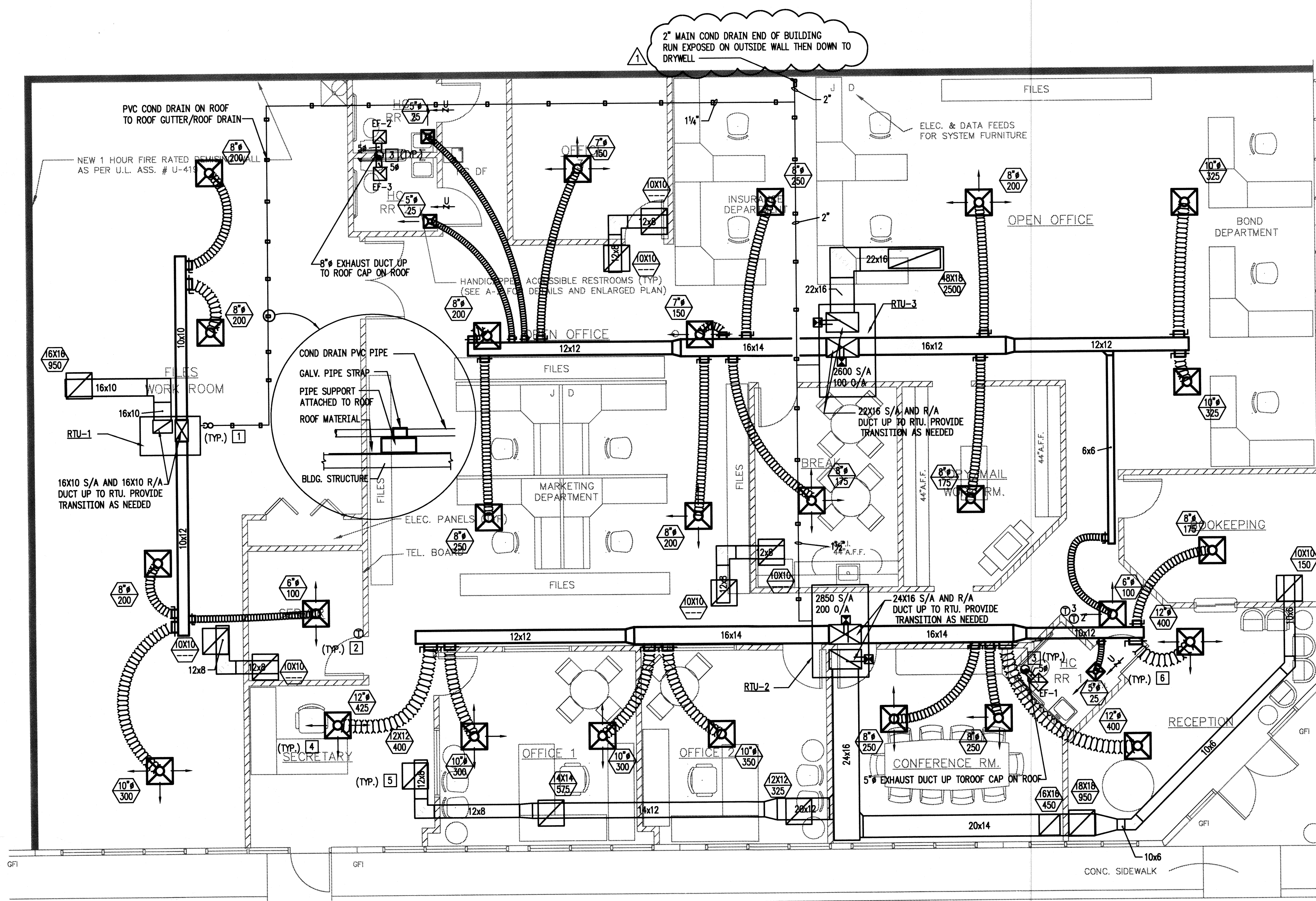




PACKAGED AIR CONDITIONING UNIT ROOF MOUNTED			
MARK	RTU-1 (1)X23X45X50X67	RTU-2 (1)X23X45X50X67	RTU-3 (1)X23X45X50X67
AREA SERVED	SEE PLAN	SEE PLAN	SEE PLAN
EVAPORATOR SECTION	-	-	-
SUPPLY AIR (CFM)	1000	2850	2600
RETURN AIR (CFM)	900	2850	2500
EXT. STATIC PRESSURE	.5	.5	.5
FAN MOTOR (HP)	1/3	1.0	1.0
ENTERING AIR (T DB/T WB)	80.0/67.0	80.0/67.0	80.0/67.0
TOTAL COOLING CAP. (MBH)	29.8	86.0	72.0
TOTAL SENSIBLE CAP. (MBH)	23.9	63.0	53.4
ELECTRIC HEATING (KW)	5.7	12.9	6.8
NO. OF STAGES	1	1	1
VOL/PH	208/1	208/3	208/3
UNIT CONFIG.	DOWN BLOW	DOWN BLOW	DOWN BLOW
CONDENSER SECTION	-	-	-
CONDENSER MOTOR (HP)/FAN	0.2	0.7	0.7
NO. OF CONDENSER FANS	1	1	1
COMPRESSOR MOTOR RLA/LRA (EACH)	13.5/79.0	14.7/91.0	16.6/106.0
NO. OF COMPRESSORS	1	2	1
NOMINAL CAPACITY (TONS)	2.5	7 1/2	6.0
UNIT POWER SUPPLY (VOLT/PHASE)	208/1	208/3	208/3
UNIT MCA/MAX. FUSE OR CB	45.0/45.0	48.5/50.0	34.8/50.0
BASES OF DESIGN	TRANE	TRANE	TRANE
MODEL NO./EER-SEER	100030	THC092	THC072
WEIGHT (LBS.)	1400	1800	1800

NOTES:
 (1) PROVIDE ELECTRONIC TYPE PROGRAMMABLE THERMOSTAT FOR COOLING AND HEATING FOR EACH RTU THERMOSTAT SHALL BE WITH REMOTE SENSOR LOCATED IN MAIN R/A DUCT (EXCEPT FOR RTU-1).
 (2) PROVIDE SINGLE POINT CONNECTION, WEATHERPROOF RECEPTACLE AND UNIT MOUNTED DISCONNECT SWITCH.
 (3) MIN. SEER/SEER SHALL BE AS REQUIRED BY FLORIDA ENERGY EFFICIENCY CODE FOR BLDG. CONSTRUCTION.
 (4) UNITS SHALL BE INSTALLED SO THAT FILTERS, COILS, MOTOR, FANS, BEARING, ETC. ARE ACCESSIBLE.
 (5) MOUNT ON PRE-FAB ROOF CURB.
 (6) MINIMUM CAPACITIES ARE AT AIR CONDITIONS.
 (7) VERIFY VOLT/PHASE/AMPS/MAX. OVER CURRENT PROTECTION AND MIN CIRCUIT AMPS WITH UNIT SUPPLIED.

HVAC SYMBOL LEGEND
 NOTE: THESE ARE STANDARD SYMBOLS, AND MAY NOT ALL APPEAR ON THE DRAWINGS

- 12X10 DUCT SIZE, FIRST FIGURE IS SIDE SHOWN
- MANUAL SPLITTER DAMPER
- SUPPLY DUCT (TURNED UP)
- SUPPLY DUCT (TURNED DOWN)
- RETURN DUCT (TURNED UP)
- RETURN DUCT (TURNED DOWN)
- MANUAL VOLUME DAMPER
- TRANSITION
- TURNING VANES
- FLEXIBLE CONNECTION
- SUPPLY DIFFUSER
- RETURN REGISTER
- EXHAUST GRILLE/DUCT
- WALL MOUNTED THERMOSTAT ABOVE FINISHED FLOOR
- CUBIC FEET PER MINUTE
- DUCT SMOKE DETECTOR
- EXHAUST FAN THOUSAND BTU PER HOUR
- NOT TO SCALE
- RETURN AIR REGISTER
- SUPPLY FAN
- TYPICAL 3/4" DOOR UNDERCUT
- TYP. AIR DIST. DEVICES
- "X" DENOTES NECK SIZE
- "Y" DENOTES AIR QUANTITIES IN CFM

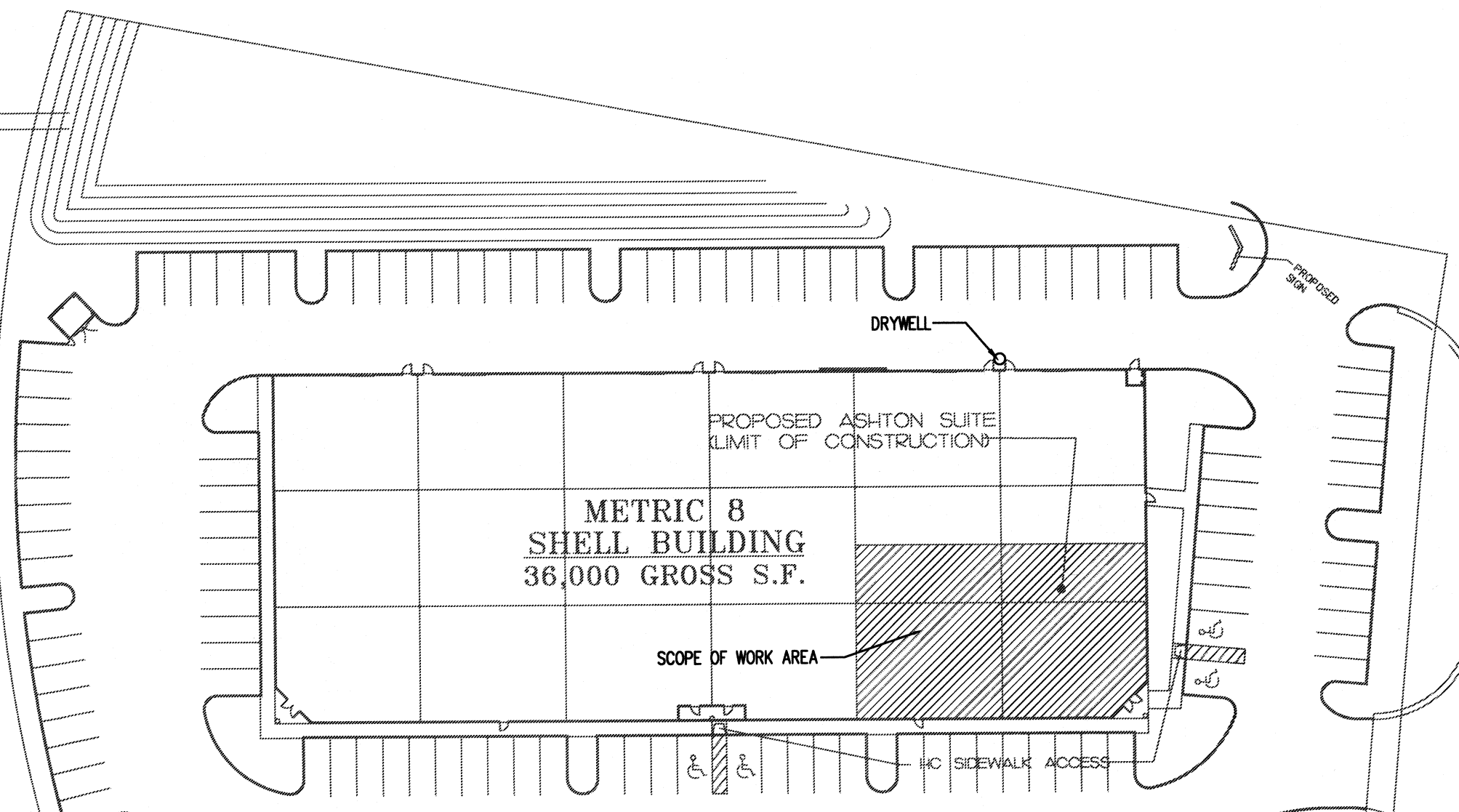
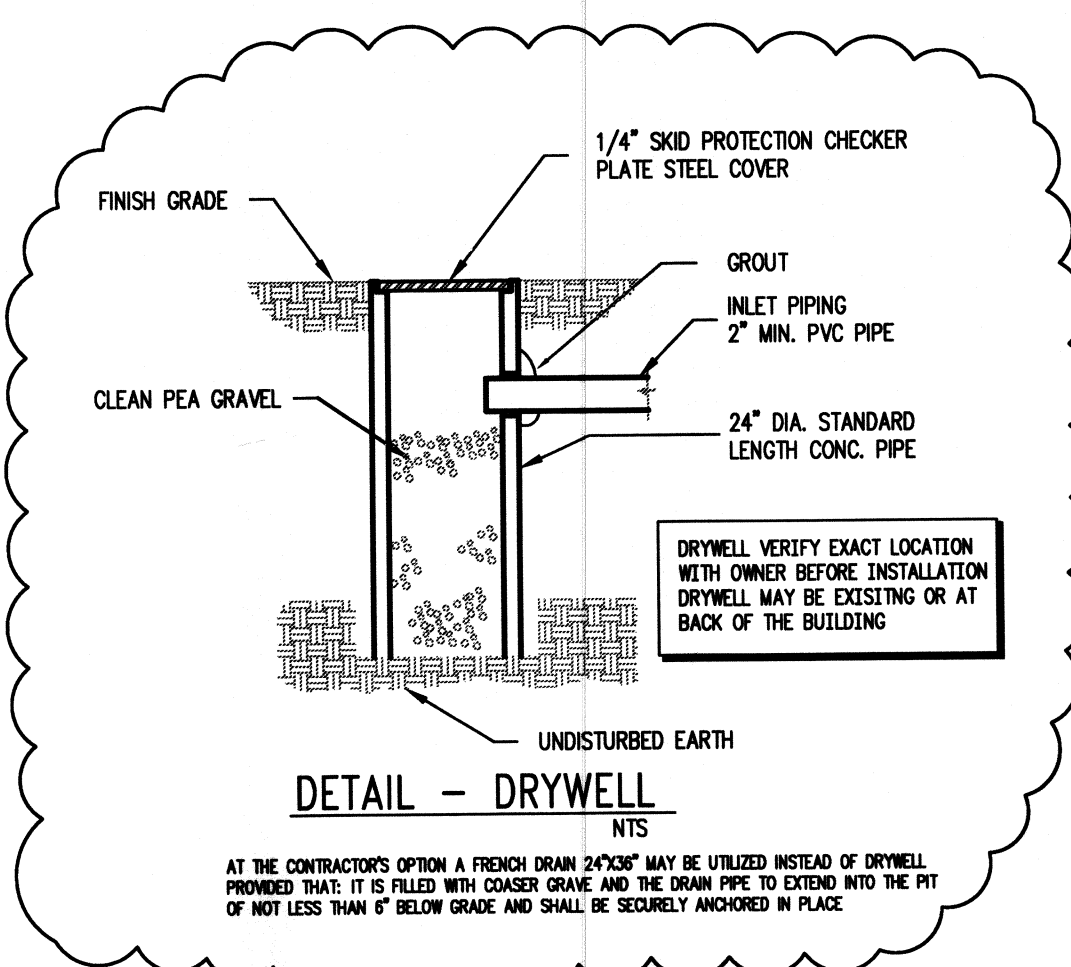
HVAC PLAN
 SCALE 3/16" = 1'-0"

KEYNOTES FOR SHEET M-2 [7]

- MOUNT RTU ON PREFAB. ROOF CURB. SEE ARCH. AND ST. DWGS FOR EXACT LOCATION. INSTALL ALL ROOF MTD. EQUIP. TO WITHSTAND 120 MPH WIND (TYPICAL). OBTAIN APPROVAL FROM ARCHITECT OR ST. ENGINEER FOR METHOD OF INSTALLATION AND THE EXISTING ROOF COULD WITHSTAND THE NEW LOAD BY THE RTU'S.
- TYPICAL WALL MOUNTED THERMOSTAT MOUNT AT 5' AFT.
- TYPICAL EXHAUST DISCHARGE ROOF MOUNTED CAP. MOUNTED ON ROOF CURB. MOUNT MIN. 11 FT. FROM ANY AIR INTAKE/OUTSIDE AIR OPENING.
- ALL CEILING MOUNTED SUPPLY DIFFUSERS TO BE LOUVERED FACE WITH LAY-IN BORDER TYPE IN AREAS WITH LAY-IN CEILING (EXCEPT IN VERY SMALL ROOMS) OR SURFACE MOUNTED IN AREAS WITH HARD CEILING OR EXPOSED STRUCTURE. DIFFUSERS TO BE ALUMINUM DIFFUSERS TO BE WITH OPPOSED BLADE VOLUME DAMPER. ALL DIFFUSER SHALL BE 4-WAY BLOW UNLESS NOTED BY ARROWS. TITUS MODEL TDC-AA OR EQ. SIDEWALL DIFFUSER SHALL BE DOUBLE DEFLECTION WITH 08V0 MODEL 300 R.
- ALL CEILING MOUNTED RETURN/TRANSFER REGISTERS TO BE EGGRATE WITH LAY-IN BORDER TYPE IN AREAS WITH LAY-IN CEILING (EXCEPT IN VERY SMALL ROOMS) OR SURFACE MOUNTED IN AREAS WITH HARD CEILING OR EXPOSED STRUCTURE. DIFFUSERS TO BE ALUMINUM REGISTERS TO BE WITH OPPOSED BLADE VOLUME DAMPER. TITUS MODEL 50 F OF EQ.
- ALL INTERIOR RESTROOM DOORS SHALL BE 3/4" UNDERCUT

FOR FINISHED SPACE ONLY			
TOTAL EXHAUST	=	300 CFM	
REQUIRED VENTILATION	=	330 CFM	
TOTAL OUTSIDE AIR	=	350 CFM	
SPACE PRESSURE	=	POSITIVE 50 CFM	

FIBERGLASS DUCT MATERIAL SHALL BE OF R-6.0 MIN.
 RTU CONDENSATE DRAIN SHALL BE PVC AND DISCHARGE ON ROOF THEN THROUGH GUTTERS IN ACCORDANCE WITH FMC-307.2.1.2
 AIR DIST. DEVICES SHALL BE OF MIN. FLAME SPREAD RATING OF NOT OVER 25 AND A MIN. SMOKE DEVELOPED OF 50



KEY PLAN

FAN SCHEDULE									
MARK	SERVICE	TYPE	FAN			MOTOR		EQUAL TO	
			CFM	E.S.P. IN. WC	HP MAX.	DRIVE	V/PH/Hz	MANUFACTURER	MODEL NO.
EF-1	TOILET	CEILING	100	0.375	1200	DIRECT	60W 120/1/60	LOREN-COOK	GEM-II
							1-1/2 208/3/60		

NOTES:
 (1) PROVIDE WITH UNIT MOUNTED DISCONNECT SWITCH, GRAVITY DAMPER, SPEED CONTROLLER AND ROOF CAP.
 (2) UNIT SHALL BE INTERLOCKED WITH SPACE RTU SUPPLY FAN

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THE ASHTON AGENCY
 METRIC EIGHT BUILDING - METRIC DRIVE
 ORANGE COUNTY, FLORIDA

M-1
 SET NO. 1 OF 2