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TM&LS
NEW ORLEANS
FACILITY

TEXTRON MARINE
& LAND SYSTEMS
19401 CHEF MENTULIER HWY
NEW ORLEANS, LA
70129

MECH PLAN
WEST SIDE

REV:
SCALE:
JOB#: 2133
DATE: 03-13-12
SHEET

OF

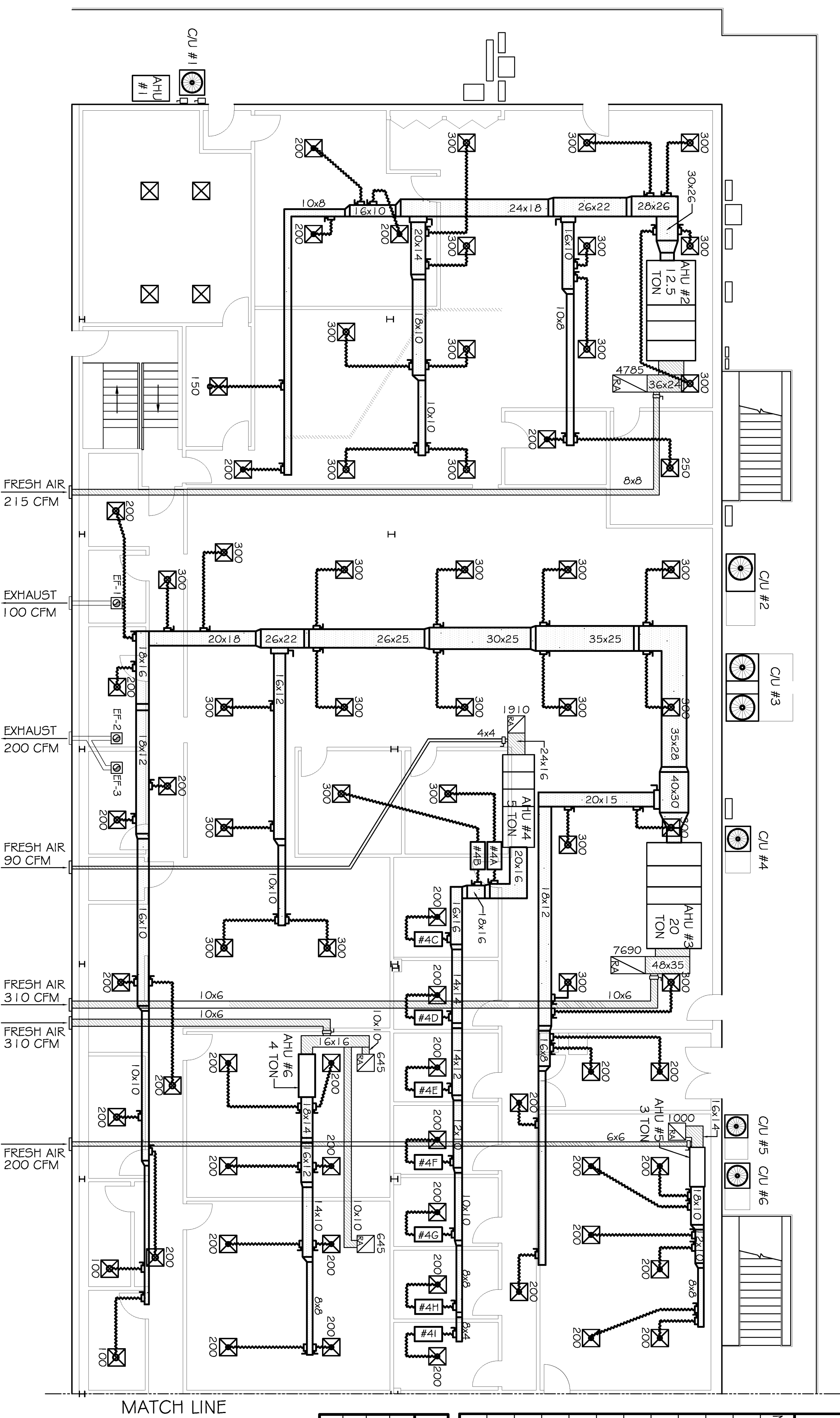
M-2

HVAC UNIT SCHEDULE
TOTAL HVAC TONS = 20

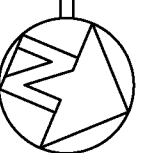
NO.	TOTAL BTU	CFM	O.A.	HEAT ELEC.	ELEC VOLTAGE	COMMENTS
1	150,000	5,000	215	16 KW	480V, 3Ø	
2	12.5 TON	8,000	310	22 KW	480V, 3Ø	
3	240,000	2,000	90	10 KW	480V, 3Ø	VVT SYSTEM W/ BYPASS
4	60,000	1,200	200	8 KW	480V, 3Ø	
5	36,000	1,600	310	10 KW	480V, 3Ø	
6	48,000	4,000	230	14 KW	480V, 3Ø	
7	48,000	2,000	90	10 KW	480V, 3Ø	VVT SYSTEM W/ BYPASS
8	50,000	5,000	300	16 KW	480V, 3Ø	
9	150,000	5,000	300	16 KW	480V, 3Ø	
10	240,000	8,000	300	22 KW	480V, 3Ø	VVT SYSTEM W/ BYPASS
11	24,000	800	150	6 KW	480V, 3Ø	

EXHAUST FAN SCHEDULE

FAN NO.	CFM	VOLTAGE	TYPE	MANF.
EF-1,2,3	100	120	VENT ONLY	
EF-4,5	140	120	VENT ONLY	
EF-6,7	210	120	VENT ONLY	



MECH PLAN WEST
SCALE: 1/8" = 1'-0"

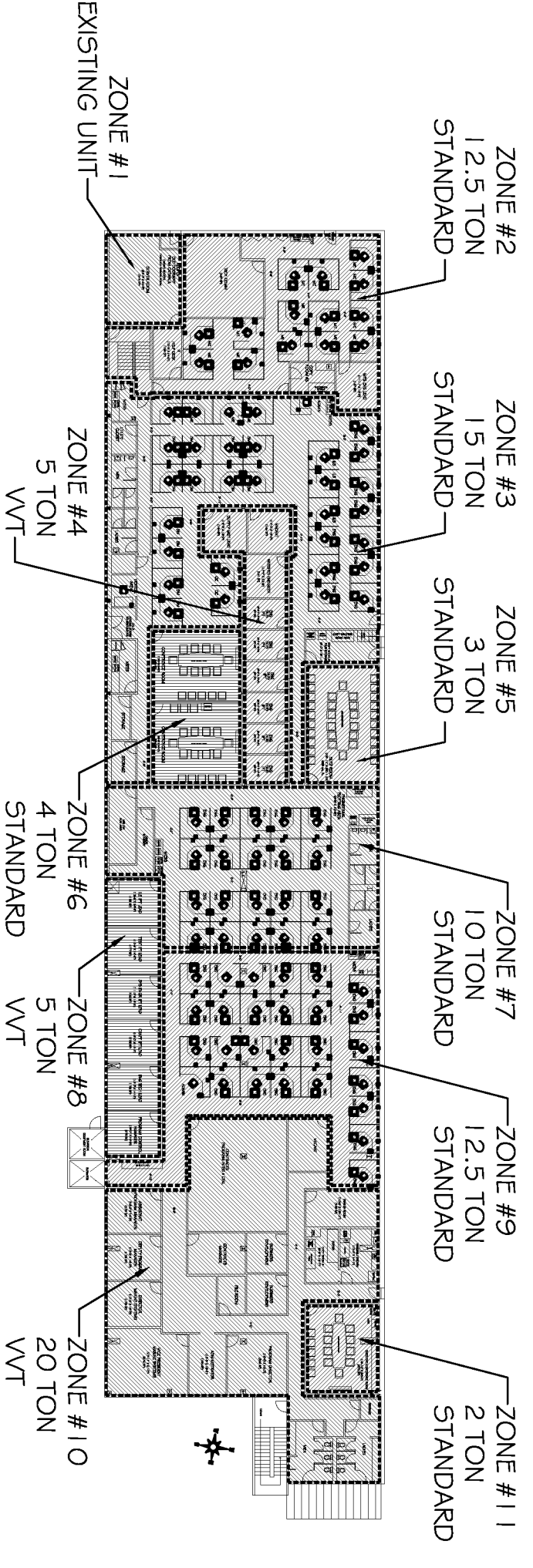


LEGEND

- ☒ - INDICATES NEW CEILING DIFFUSER - CFM AS NOTED - 24x24 UNLESS OTHERWISE NOTED.
- ☑ - INDICATES NEW RETURN AIR CEILING GRILLE OF SIZE INDICATED. TRANSFER DUCT TO BE RECTANGULAR AS INDICATED.
- ⊖ - MECHANICAL VENT
- ⊕ - THERMOSTAT
- ⊖ - CONDENSOR UNIT
- ⊖ - SINGLE DUCT VVT TERMINAL

LEGEND

- ▭ - INDICATES NEW SHEET METAL DUCTWORK FOR SUPPLY AIR. SIZES INDICATED ARE SHEET METAL DIMENSIONS
- ▭ - INDICATES NEW SHEET METAL DUCTWORK FOR RETURN AIR. SIZES INDICATED ARE SHEET METAL DIMENSIONS
- - ROUND FLEX DUCT. MAX. LENGTH 12'-0". MIN. R.G. PROVIDE MAN. DAMPER AT DIFFUSER CONNECTIONS. SIZE AS INDICATED OR:
0-200 CFM, USE 6"Ø
201-300 CFM, USE 8"Ø
301-400 CFM, USE 9"Ø



MECH ZONING PLAN
SCALE: 1/8" = 1'-0"

SINGLE DUCT TERMINAL BOX SCHEDULE (WITH RE-HEAT)

Unit Served	Tsq	Inlet Size	Primary CFM	Inlet SP in wg	kW Heat	Sq. Ft. Coverage	Min. Ventilation CFM	% Min. CFM
AHU-4	#4-A,B	5	300	0.5	2.0	145	12	4.1
	#4-C	5	200	0.5	1.5	135	11	5.7
	#4-D,E,F,G,H,I	5	200	0.5	1.0	100	9	4.3
AHU-8	#8-A,B,F	6	350	0.5	2.0	180	15	4.4
	#8-C,D,E	5	300	0.5	2.0	170	14	4.8
AHU-10	#10-A	6	400	0.5	2	290	25	6.2
	#10-B	6	400	0.5	2	200	17	4.3
	#10-C	14	2600	0.5	8	850	51	2.0
	#10-D	5	300	0.5	2	160	14	4.5
	#10-E,F	4	200	0.5	1	115	10	4.9
	#10-G	10	1200	0.5	8	820	70	5.8
	#10-H,I,J,K	5	300	0.5	2	175	15	5.0
	#10-L	8	600	0.5	4	375	32	5.3
	#10-M	5	300	0.5	1.5	165	14	4.7
	#10-N	8	600	0.5	2	265	23	3.8

FRESH AIR REQUIREMENTS
PER IMC 2009 TABLE 403.3

ROOM NAME	SF	OCC/1000 SF	CFM/ OCC	CFM/ SF	TOTAL OA
AHU #1	485	-	-	-	-
SERVER ROOM	215	-	-	-	215
AHU #2	2082	5	5	0.06	177
OFFICES	630	-	-	0.06	38
CORRIDOR	310	-	-	-	310
AHU #3	2476	5	5	0.06	210
OFFICES	1600	-	-	0.06	210
CORRIDOR	90	-	-	-	90
AHU #4	1060	5	5	0.06	90
OFFICES	200	-	-	-	200
AHU #5	640	50	5	0.06	200
CONFERENCE RM	310	-	-	-	310
AHU #6	1010	50	5	0.06	230
CONFERENCE RM	170	-	-	-	170
AHU #7	2045	5	5	0.06	170
OFFICES	955	-	-	0.06	60
CORRIDOR	90	-	-	-	90
AHU #8	1084	5	5	0.06	300
OFFICES	300	-	-	-	300
AHU #9	2560	5	5	0.06	220
OFFICES	80	-	-	-	80
CORRIDOR	1340	-	-	0.06	300
AHU #10	2920	5	5	0.06	250
OFFICES	50	-	-	0.06	150
CORRIDOR	150	-	-	-	150
AHU #11	480	50	5	0.06	150
CONFERENCE RM	150	-	-	-	150