LEGEND

A-12-400	TYPE - NECK SIZE - CFM	EF#1	EXHAUST FAN #1 (TYP.)
	SPIN-IN FITTING WITH MANUAL BALANCING DAMPER, WITHOUT SCOOP	AC#1	AIR CONDITIONING UNIT #1 (TYP.)
	SPIN-IN / HARD ϕ / FLEXIBLE ϕ / DIFFUSER		RETURN/EXHAUST (TYP.)
S	REMOTE TEMPERATURE SENSOR		SUPPLY DIFFUSER, SQ FACE (TYP.)
H	HUMIDITY SENSOR	1	PLAN NOTE REFERENCE
	SMOKE DETECTOR		MANUAL VOLUME DAMPER
12X18	DUCT SIZE 1ST NUMBER - HORIZONTAL DIMENSION 2ND NUMBER - VERTICAL DIMENSION		DIRECTION OF THROW ON DIFFUSER

KEY NOTES

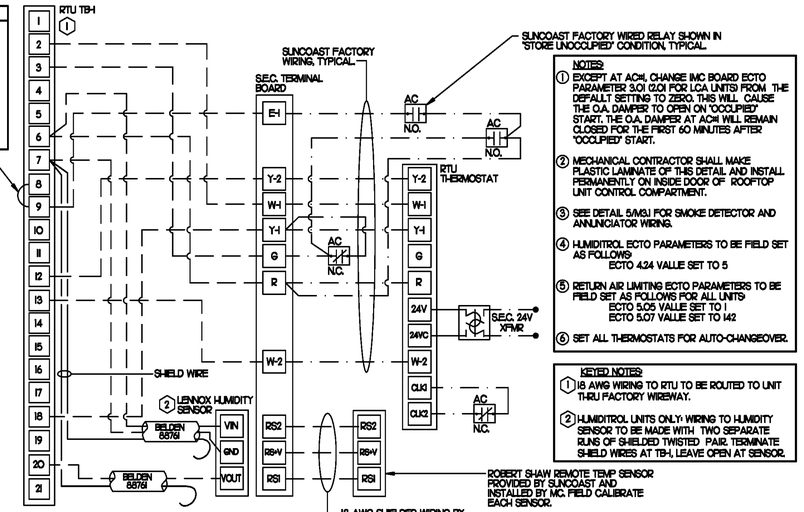
1. MOUNT REMOTE SENSOR ON WALL AT 5'-0" AFF AND ROUTE WIRING BACK TO SUNCOAST TEMP CONTROL PANEL.
2. 6X8 CONNECTION TO HOOD#3 WITH HALTON KBD EQUALIZER IN RISER. SEE DWG M2.1 FOR MORE INFORMATION.
3. BRANCH TAKE-OFFS ARE NOT TO BE LOCATED CLOSER THAN 3'-0" FROM ANY ELBOW INCLUDING THE SUPPLY AIR DROP FROM CURB.
4. TRANSITION IN VERTICAL DROP FROM FULL SIZE OF CURB OPENING TO SIZE SHOWN. PROVIDE TURNING VANES IN ELBOW.
5. TRANSITION IN VERTICAL DROP FROM FULL SIZE OF CURB OPENING TO SIZE SHOWN. NO TURNING VANES IN ELBOW.
6. R/A DUCT DROP TO BE FULL SIZE OF CURB CONNECTION. TERMINATE DROP 0'-5" ABOVE CEILING.
7. MOUNT LENNOX HUMIDITY SENSOR ON WALL ABOVE SPACE TEMP SENSOR AND ROUTE WIRING TO UNIT ON ROOF.
8. EF#1 AND EF#2 MUST BE LOCATED A MINIMUM OF 10 FT FROM PARAPETS.
9. SUPPLY AND RETURN DUCTWORK TO BE LOCATED IN THE LOWER HALF OF THE AVAILABLE SPACE ABOVE THE CEILING ON THE KITCHEN SIDE OF THE WALL. CONDUIT AND PIPING TO BE LOCATED IN THE UPPER HALF OF THE AVAILABLE SPACE ABOVE THE CEILING.
10. NOT USED.
11. MOUNT REMOTE SENSOR FOR PLAYGROUND 10'-4" AFF. ROUTE WIRING BACK TO SUNCOAST TEMP CONTROL PANEL.

SHEET NOTES

1. DUCT SIZES SERVING DIFFUSERS AND GRILLES ARE SAME SIZE AS DIFFUSER OR GRILLE NECK UNLESS NOTED OTHERWISE.

LEGEND

S.E.C.	SUNCOAST ENVIRONMENTAL CONTROLS CFA-500 ENERGY MGT PANEL
AC	SUNCOAST FACTORY INSTALLED AND WIRED A/C RELAY. ENERGIZED BY PUTTING STORE SWITCH IN 'STORE OCCUPIED' POSITION.
	18 GA. WIRING BY CONTRACTOR
	RTU FACTORY WIRING
	S.E.C. FACTORY WIRING

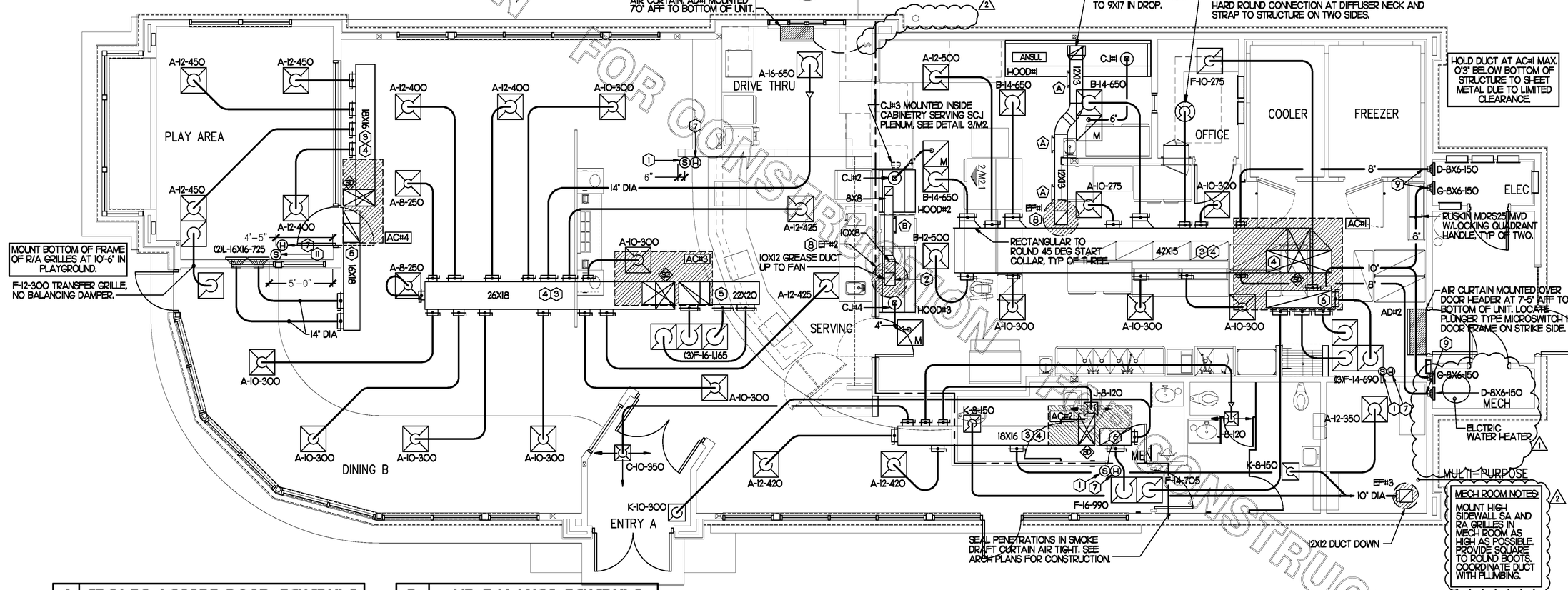


NOTES:
1. EXCEPT AT AC#1, CHANGE IMC BOARD ECTO PARAMETER 3.01 (2.01 FOR LCA UNITS) FROM THE DEFAULT SETTING TO ZERO. THIS WILL CAUSE THE O.A. DAMPER TO OPEN ON "OCCUPIED" START. THE O.A. DAMPER AT AC#1 WILL REMAIN CLOSED FOR THE FIRST 60 MINUTES AFTER "OCCUPIED" START.
2. MECHANICAL CONTRACTOR SHALL MAKE PLASTIC LAMINATE OF THIS DETAIL AND INSTALL PERMANENTLY ON INSIDE DOOR OF ROOFTOP UNIT CONTROL COMPARTMENT.
3. SEE DETAIL 5/M3.1 FOR SMOKE DETECTOR AND ANNUNCIATOR WIRING.
4. HUMIDITROL ECTO PARAMETERS TO BE FIELD SET AS FOLLOWS:
   ECTO 4.24 VALUE SET TO 5
5. RETURN AIR LIMITING ECTO PARAMETERS TO BE FIELD SET AS FOLLOWS FOR ALL UNITS:
   ECTO 5.05 VALUE SET TO 1
   ECTO 5.07 VALUE SET TO 142
6. SET ALL THERMOSTATS FOR AUTO-CHANGEOVER.

KEYED NOTES:
1. 18 AWG WIRING TO RTU TO BE ROUTED TO UNIT THRU FACTORY WIREWAY.
2. HUMIDITROL UNITS ONLY: WIRING TO HUMIDITY SENSOR TO BE MADE WITH TWO SEPARATE RUNS OF SHIELDED TWISTED PAIR. TERMINATE SHIELD WIRES AT TB-1, LEAVE OPEN AT SENSOR.

2 ROOFTOP UNIT CONTROL WIRING

NONE



4 GREASE ACCESS DOOR SCHEDULE

MARK	OPENING SIZE	DOOR SIZE	REMARKS
A	8H X 12W	10H X 14W	1
B	6H X 10W	8H X 12W	1

D ACCESS DOOR SHALL BE U.L. 1978 LISTED, REQUIRE NO TOOLS FOR REMOVAL AND BE EQUAL TO DUCTMATE ULTIMATE DOOR II WELD ON TYPE.

3 AIR BALANCE SCHEDULE

AIR TYPE	TOTAL CFM
SUPPLY	13,440
RETURN	9,585
EXHAUST	3,220
OUTSIDE AIR	3,855
BUILDING POSITIVE PRESSURE	635

1 MECHANICAL FLOOR PLAN

1/4"=1'-0"

FOR CONSTRUCTION

Chick-fil-A
5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
1	04/16/09	SAW
CITY COMMENTS		
2	04/27/09	SAW
COORDINATION COMMENTS		
Mark	Date	By

Seal

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FSU S06

N. FEDERAL HWY. &
COPANS ROAD
POMPANO BEACH,
FLORIDA

SHEET TITLE
MECHANICAL FLOOR PLAN

DWG EDITION 07.1
REVISION 1

Job No. : 2008.0152
Store : 2483
Date : 10-22-08
Drawn By : ____
Checked By: ____

Sheet
M-1.1

MEP
DRAWN: GB
CHECKED: SW