



2 SUPERMARKET - HVAC FLOOR PLAN
M1.1

- 1. ALL GASES & HUMIDITIES ARE SUPPLIED BY PUBLIX AND INSTALLED BY MECHANICAL CONTRACTOR (REFER TO CURB DETAIL ON SHEET M-2.1)
- 2. FURNISH AND INSTALL FLEXIBLE CONNECTIONS IN DUCT RISER TO RTU
- 3. PROVIDE ACCESS DOOR FOR DUCT SMOKE DETECTOR AS REQUIRED, SIZE AND LOCATE DOOR TO ALLOW FOR MAINTENANCE ACCESS TO THE SMOKE DETECTOR'S SENSING PROBE
- 4. SUPPORT DUCT RISER TO THE RTU USING THE ROOF SUPPORT SYSTEM (SEE DUCT HANGER DETAIL ON SHEET M-2.1)
- 5. DUAL WALL DUCT (SHOWN HATCHED)
- 6. DUCT WRAP INSULATION WHEN IN ENCLOSED AREAS (E.G. DELI/BAKERY, OFFICES), REFER TO M-2.1 DETAIL 7
- 7. BULFHAD TIE WITH TURNING VANES OR STREAMLINED TIE
- 8. BOTTOM OF DUCT @ O.D. ELEVATION SHALL BE 16'-4" A.F.F. (REFER TO M-4.1 FOR FURTHER DUCT ELEVATIONS)
- 9. B.O.D. SHALL BE 17'-4" A.F.F. (REFER TO M-4.2)
- 10. B.O.D. SHALL BE 16'-2" A.F.F. (REFER TO M-4.2)
- 11. B.O.D. SHALL BE 17'-4" A.F.F. (REFER TO M-4.2)
- 12. SIDEWALL REGISTER SHALL BE SET TO THROW AIR PARALLEL WITH THE FLOOR
- 13. LOCATE DUCT AND VOLUME DAMPERS AS DEPICTED SO AS TO ALIGN WITH CEILING ACCESS PANELS
- 14. HOT WATER RECLAIM PIPING FROM MECHANICAL CENTER, BY REFRIGERATION CONTRACTOR (SEE REFRIGERATION PLAN R-1.1)
- 15. B.O.D. SHALL BE 14'-11" A.F.F.
- 16. COORDINATE DUCT INSTALLATION WITH REFRIGERATION CONTRACTOR AND CARPENTER SO AS TO AVOID REFRIGERATION PIPING
- 17. SEE ENLARGED PLANS # 4, 5, 6, ON SHEET M-1.2 FOR ROUTING OF THE BYPASS DUCTS
- 18. DUCT SHALL HANG TIGHT TO BOTTOM OF SUPPORTING STRUCTURE AT THIS LOCATION
- 19. MOUNT TEMPERATURE SENSOR IN REGISTER NECK OR RETURN DUCT BETWEEN REGISTER AND RETURN GRILLE (REFER TO M-2.1 DETAIL 1)
- 20. O/A SENSOR LOCATION AND MOUNTING BY OTHERS
- 21. MOUNT TRANSFER AIR REGISTER 14" @ A.F.F. PROVIDE A ROUND TO RECTANGULAR TRANSITION & 12" x 12" AIR DEVICE CONNECTED TO BYPASS PLENUM (UNLESS OTHERWISE NOTED)
- 22. ECCENTRIC REDUCER
- 23. FLEXIBLE DUCT SHALL BE EQUAL TO METAL FAB MODEL P/C (PRESSURE INDUSTRIAL CHIMNEY); EXPOSED FLEX P/C BETWEEN CEILING AND CEILING SHALL HAVE A STAINLESS STEEL EXTERIOR
- 24. B.O.D. SHALL BE 11'-6" A.F.F.
- 25. ANSUL PULL STATION FOR QH-1 & QH-2, LABEL "FIRE EXTINGUISHER - QH-1 & QH-2"
- 26. B.O.D. SHALL BE 20'-9" A.F.F.
- 27. S.S. ANSUL SYSTEM ENCLOSURE @ 6" A.F.F. SEE HVAC HOOD ELEVATIONS AND DETAILS FOR MORE INFO
- 28. FIRE SUPPRESSION SYSTEM TO BE PRE-ENGINEERED TO MEET THE REQUIREMENTS OF UL-300 AND NFPA-17A
- 29. HOOD'S UTILITY CABINET WILL HOUSE MELNKS INTELLIHOOD CONTROLLER
- 30. MELNKS REMOTE CONTROLLER KEYPAD, SEE SHEET E-3.1 FOR MOUNTING HEIGHT
- 31. EXHAUST DUCT SHALL BE 18 GA. GALVANIZED STEEL ALL WELDED WITH FLANGE AT THE TOP
- 32. WRAP DUCT WITH A FIRE RESISTANT INORGANIC BLANKET ENCAPSULATED WITH A SCHEM RE REFORCED FOR 2" TO ACHIEVE 2000 CLEARANCE TO COMBUSTIBLES. REFER TO DETAIL 3 ON M-2.1
- 33. GREASE HOOD SUPPLY AIR DUCT HEATER (SEE SCHEDULE ON SHEET M-3.1)
- 34. CABLE SIDE BRACING WHERE SEISMIC RESTRAINTS ARE REQUIRED
- 35. TRANSVERSE BRACING - 2 OPPOSING 1/4" CABLES
- 36. LONGITUDINAL BRACING - 2 OPPOSING 1/4" CABLES
- 37. FOR ALL GREASE HOOD, GREASE EXHAUST DUCTWORK, GREASE SUPPLY DUCTWORK, AND DISMACHINE EXHAUST REFER TO SHEET M-4.2

LEGEND

	4-WAY DIFFUSER, AIR FLOW IN ALL DIRECTIONS
	1-WAY DIFFUSER, ARROW INDICATES AIR FLOW DIRECTION
	2-WAY DIFFUSER, ARROWS INDICATE AIR FLOW DIRECTION
	3-WAY DIFFUSER, ARROWS INDICATE AIR FLOW DIRECTION
	DUCT SMOKE WAY DIFFUSER, ARROWS INDICATE AIR FLOW DIRECTION
	DOOR GRILLE REFER TO "N" ON AIR DEVICE SCHEDULE
	RETURN AIR GRILLE

PLOT DATE:
August 21 2018

No.	Description	Date

STORE NUMBER
1687
Tattersall Park
US 280 & Highway 19
Hoover
Shelby Co., AL

48.10
V814.2018
SIENNA LITE

HVAC FLOOR PLAN

As indicated

M1.1

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