

1 HVAC PLAN - EAST
3/32" = 1'-0"

GENERAL NOTES

- REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT LOCATIONS OF ROOFTOP EQUIPMENT.
- REFER TO HEATING, VENTILATING & AIR CONDITIONING SPECIFICATIONS AND GENERAL CONDITIONS FOR ADDITIONAL REQUIREMENTS.
- REFER TO ENERGY MANAGEMENT DRAWINGS FOR EQUIPMENT CONTROLS NOT SHOWN ON HVAC DRAWINGS.
- LIGHT FIXTURE LOCATIONS TAKE PRECEDENCE OVER DIFFUSER AND GRILLE LOCATIONS. LOCATE DIFFUSERS AND GRILLES TO ACCOMMODATE LIGHTING LAYOUT. DO NOT INSTALL DUCTWORK EQUIPMENT DIRECTLY UNDER SKYLIGHT WELLS UNLESS DIMENSIONED OTHERWISE ON PLANS.
- TYPICAL BRANCH DUCT FITTING DETAIL IS APPLICABLE THROUGHOUT THE STORE.
- SUPPLY AND RETURN DUCTWORK FROM ROOFTOP UNITS TO BE INTERNALLY INSULATED A MINIMUM OF 10 FT FOR SOUND ATTENUATION.
- HOODS SHALL OVERHANG EQUIPMENT BELOW BY A MINIMUM 6" ON ALL EXPOSED SIDES, EXCLUDING ANY ANSUL CABINETS OR MAKEUP AIR PLENUMS.
- PROVIDE BALANCING DAMPERS FOR EACH DIFFUSER, REGISTER AND GRILLE AT POINTS ON SUPPLY, RETURN, AND EXHAUST SYSTEMS WHERE BRANCHES LEAD OFF FROM LARGER DUCTS OR IN DIFFUSERS AS REQUIRED FOR AIR BALANCING. INSTALL A MINIMUM OF TWO DUCT WIDTHS FROM BRANCH TAKEOFF UNLESS SHOWN OTHERWISE ON DRAWING. PROVIDE ACCESS PANELS WHERE DAMPERS MUST BE INSTALLED ABOVE NON-ACCESSIBLE CEILINGS.
- PROVIDE TURNING VANES IN ALL RECTANGULAR MITERED ELBOWS.
- RUNOUTS TO CEILING DIFFUSERS ARE THE SAME SIZE AS THE DIFFUSER NECK UNLESS NOTED OTHERWISE.
- ONLY ITEMS REQUIRED FOR THE OPERATION OF THE ELEVATOR SHALL BE IN OR PASS THROUGH THE ELEVATOR EQUIPMENT ROOM.
- INSTALL FLUES A MINIMUM OF 8 FT FROM ROOF EDGE AND/OR PARAPET WALLS. INSTALL FLUES AND EXHAUST FANS A MINIMUM OF 10 FT FROM OUTSIDE INTAKE OF ROOF TOP UNITS. INSTALL EXHAUST FANS, MAKEUP AIR UNITS AND ROOF TOP UNITS A MINIMUM OF 10 FT FROM ROOF EDGE.

KEYNOTES

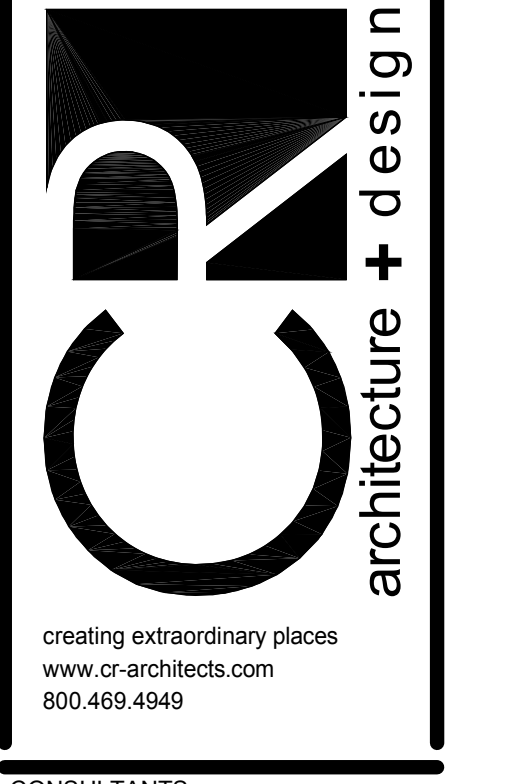
- 23.116 HUMIDITY/TEMPERATURE SENSOR FOR ROOF MOUNTED RTU FURNISHED BY BUILDING CONTROLS PROVIDER. INSTALL PROBE 7'-6" AFF ON COLUMN. ROUTE CONTROL WIRING BACK TO BUILDING CONTROL PANEL. REFER TO ELECTRICAL DETAILS FOR FURTHER INFORMATION. HUMIDITY SENSOR OVER FROZEN CASES IS FOR ANTI-SWEATS ONLY.
- 23.125 MOUNT TOP OF DIFFUSER EVEN WITH LIGHTING IN AREA. REFER TO ELECTRICAL LIGHTING PLANS FOR LIGHTING MOUNTING HEIGHT.
- 23.131 REFER TO MEZZANINE HVAC PLAN FOR CONTINUATION OF DUCTWORK AND 3D VIEW FOR ADDITIONAL CLARIFICATION.
- 23.136 HOOD ANSUL PULL STATION LOCATION. COORDINATE FINAL LOCATION WITH ELECTRICAL PLANS. PROVIDE NAMEPLATE AT STATION WITH GOOD NUMBER AND LOCATIONS.
- 23.151 MOUNT TOP OF AIR DEVICE AT 8'-0" AFF. AIR DEVICE TO HAVE FACE-OPERABLE VOLUME DAMPER.
- 23.166 SUPPLY REGISTER TO BE MOUNTED IN MART CART SOFFIT.
- 23.168 HOODS H-3L AND H-3R TO UTILIZE COMBINED ANSUL FIRE SUPPRESSION SYSTEM AND CONTROLS.

MECHANICAL SYMBOLS

	RECTANGULAR DUCT 18" WIDE BY 12" DEEP
	12" DIAMETER ROUND DUCT
	SUPPLY DUCT IN SECTION
	RETURN OR EXHAUST DUCT IN SECTION
	ELBOW WITH TURNING VANES
	TEE WITH TURNING VANES
	RECTANGULAR RADIUS ELBOW
	RECTANGULAR TEE
	ROUND (OR OVAL) ELBOW
	VOLUME CONTROL DAMPER
	SUPPLY AIR DIFFUSER WITH ROUND SUPPLY DUCT
	RETURN OR EXHAUST AIR DIFFUSER WITH ROUND DUCT
	DIFFUSER OR GRILLE TYPE BRANCH DUCT AND/OR NECK SIZE CFM
	THERMOSTAT
	TEMPERATURE/HUMIDITY SENSOR
	TEMP SENSOR
	HOOD ANSUL PULL STATION

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 ISSUE/REVISION: 07/09/2014 90% PROGRESS REVIEW
 08/15/2014 BID/PERMIT ISSUE

PROJECT TITLE: KROGER STORE SW591
 S.H. 174 (WILLSHIRE BLVD) & FM731, BURLESON, TX 76028
 COMMISSION NO.: 514099
 ISSUE DATE: 08/15/14
 SHEET TITLE: HVAC PLAN - EAST

SHEET NO.: M1.1a

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