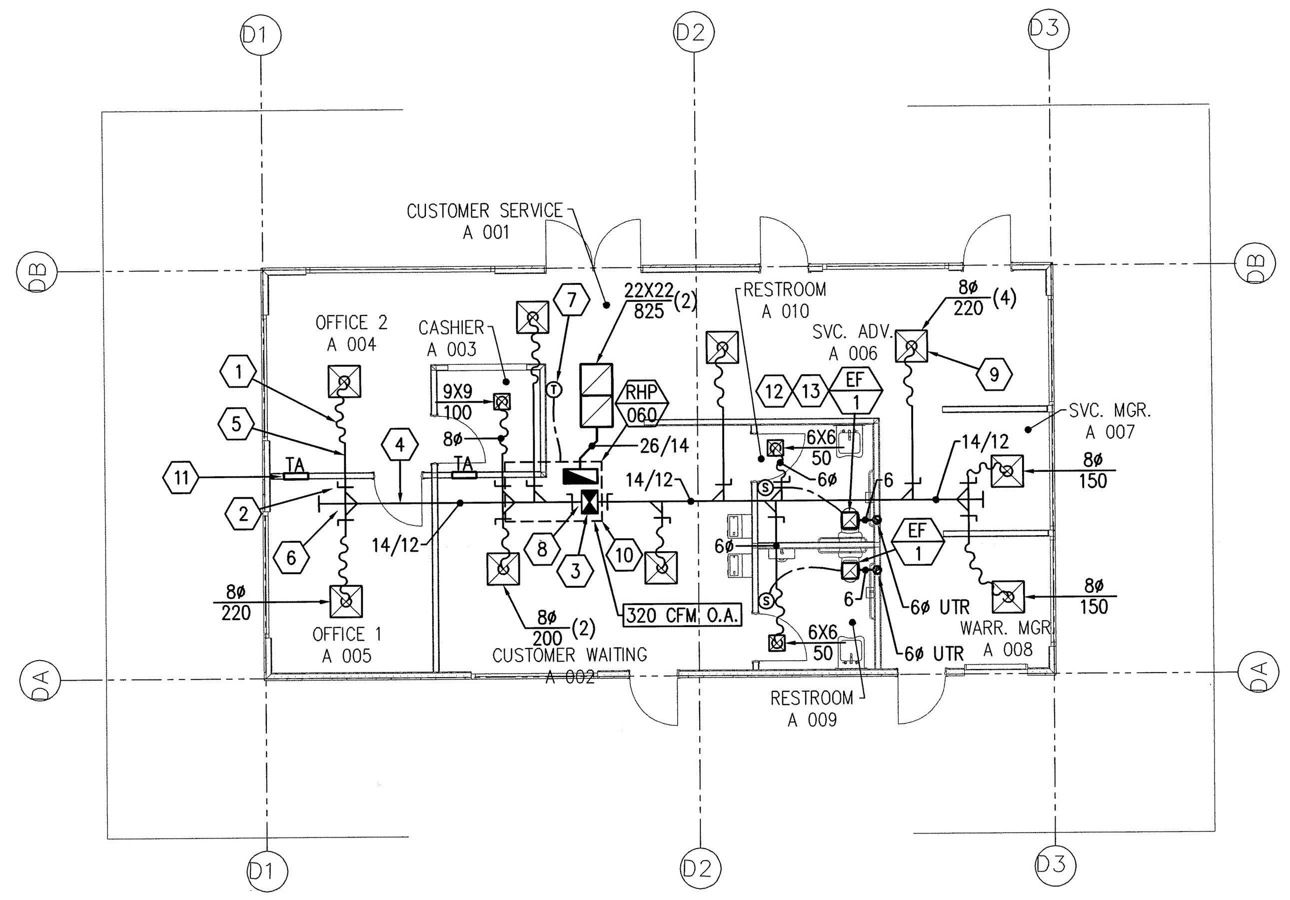


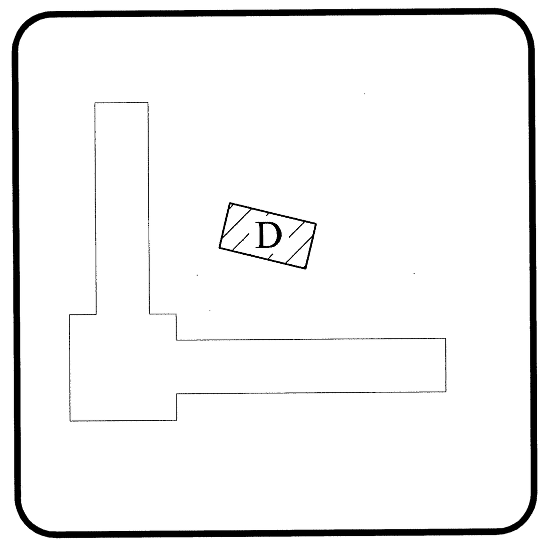
MECHANICAL PLAN

SCALE: 1/8" =1'-0" AREA D MAIN LEVEL

PLAN NORTH

KEYED NOTES

1. FLEXIBLE DUCT SHALL BE A MAXIMUM LENGTH OF 10'-0" AND MAY BE USED TO CONNECT EACH SUPPLY DIFFUSER AND RETURN GRILLE, TYPICAL.
2. MANUAL VOLUME DAMPERS SHALL BE PROVIDED FOR ALL SUPPLY DIFFUSERS, RETURN GRILLES AND WHERE NECESSARY TO PROPERLY BALANCE THE SYSTEM, TYPICAL.
3. RECTANGULAR DUCT ELBOWS SHALL BE PROVIDED WITH TURNING VANES, TYPICAL.
4. RECTANGULAR DUCT SHALL BE LINED PER THE SPECIFICATIONS, INSIDE DIMENSION IS LISTED ON THE DRAWINGS, TYPICAL.
5. ROUND DUCT SHALL BE WRAPPED PER THE SPECIFICATIONS. INSIDE DIMENSION IS LISTED ON THE DRAWINGS, TYPICAL.
6. SEE DETAIL FOR BRANCH TAKE OFF TYPE, TYPICAL.
7. RTU'S SHALL BE CONTROLLED BY A 7-DAY PROGRAMMABLE THERMOSTAT WITH NIGHT SET BACK AND OVERRIDE, TYPICAL.
8. TRANSITION SUPPLY AND RETURN DUCT TO EACH HVAC EQUIPMENT AND PROVIDE FLEXIBLE CONNECTIONS, TYPICAL.
9. COORDINATE LOCATION OF DIFFUSER WITH ELECTRICAL AND ARCHITECTURAL PLANS, TYPICAL.
10. MAINTAIN 10'-0" SEPARATION FROM FRESH AIR INTAKE OF HVAC UNIT TO ALL EXHAUST AIR AND VENTS, TYPICAL.
11. TA - TRANSFER DUCT SHALL INCLUDE A 14X10 SIDEWALL GRILLES WITH ONE LOCATED ON ONE SIDE OF THE WALL 6" ABOVE THE FLOOR AND ONE LOCATED ON THE OTHER SIDE OF THE WALL 6" BELOW THE CEILING.
12. CEILING MOUNTED EXHAUST FAN SHALL BE DUCTED THROUGH THE ROOF TO A DRAFT PROOF CAP. SEE PLAN FOR THE DUCT SIZE, TYPICAL.
13. CEILING MOUNTED EXHAUST FAN SHALL BE INTERLOCKED WITH WALL SWITCH. SWITCH AND WIRING SHALL BE BY ELECTRICAL, TYPICAL.



KEY PLAN
NO SCALE

Western Architecture Design Group, Inc.
2 West St. George Blvd.
Ancestor Square Suite 10
St. George Utah 84770
435/656.1312 fax 656.1355
westerndesign@qwest.net

CONSULTANTS
VAN BOERUM & FRANK ASSOCIATES INC.
WWW.VBFA.COM CONSULTING ENGINEERS
Salt Lake City - Logan - St. George - Tempe - Pocatello
1070 W 1600 S, Ste. #104 435.674.4800 T
St. George, UT 84770 435.674.2708 F
VBFA Project Number:8108

LICENSED PROFESSIONAL ENGINEER
No. 353492
LADD M. BIRCH
06-06-08
STATE OF UTAH

PAINTER'S SERVICE CENTER

1600 HILTON DR.
ST. GEORGE, UTAH 84770

JIM PAINTER

MARK	DATE	DESCRIPTION
CD		
PP		
DD	/ /	

PROJECT NO:	VBFA-8108
MODEL FILE:	
DRAWN BY:	P.FARNSWORTH
CHK'D BY:	L.BIRCH
COPYRIGHT	

SHEET TITLE

MECHANICAL PLAN
AREA D
MAIN LEVEL

SHEET M1.2 OF

H:\08\08100\08108 Painters Sun Country Chrysler\Cad\Mechanical\8108-M1-2.dwg, 6/6/2008 12:31:15 PM, pfarnsworth, ARCH expand E1 (30.00 x 42.00 Inches), 1:1