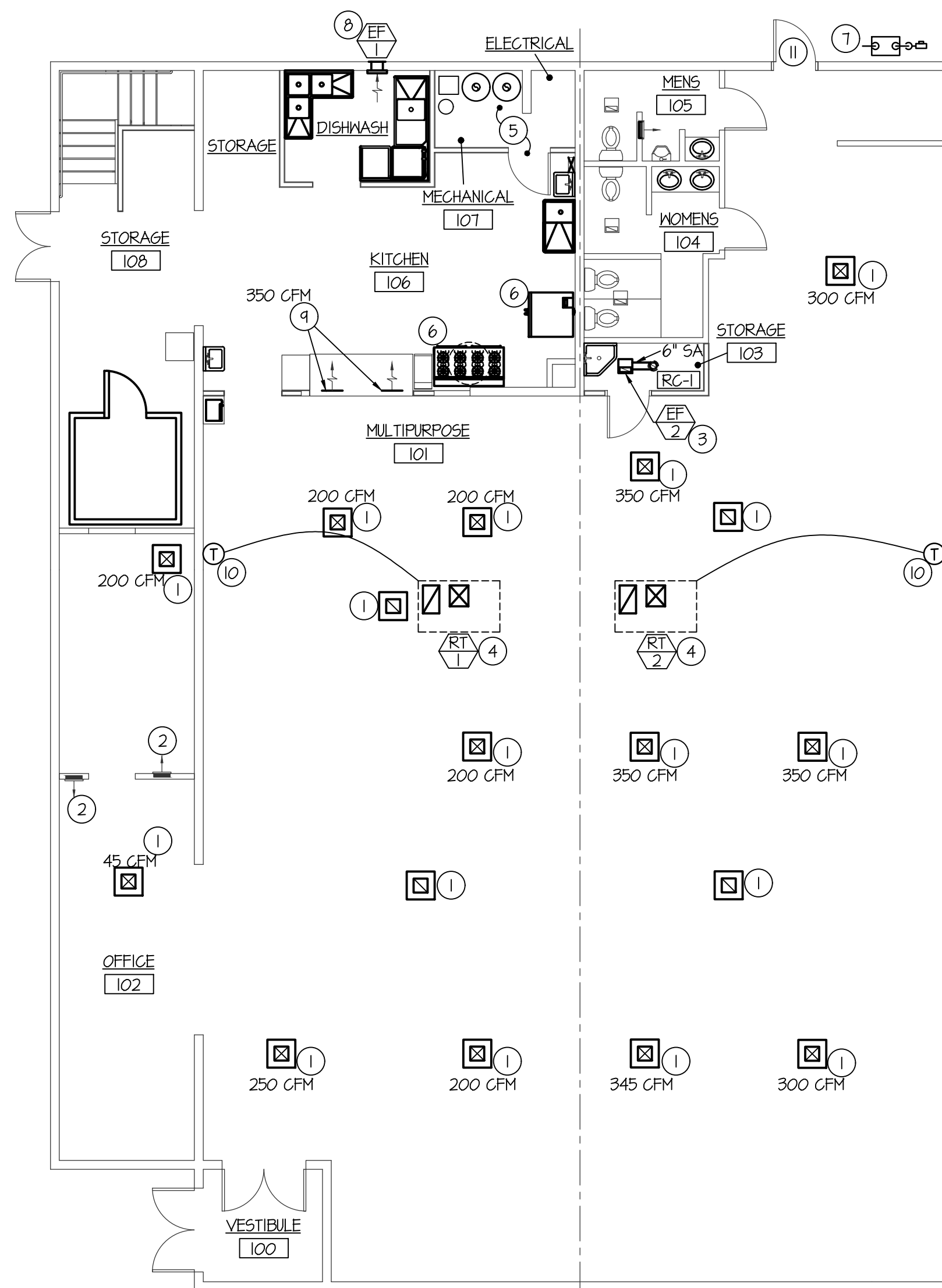


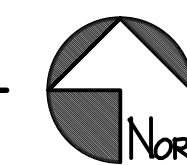
MECHANICAL DEMO FLOOR PLAN

SCALE: 1/8" = 1'-0"



MECHANICAL FLOOR PLAN

SCALE: 1/8" = 1'-0"



PLAN NOTES:

- 1 EXISTING DIFFUSER/GRILLE TO REMAIN. PROTECT DURING CONSTRUCTION. BALANCE TO CFM AS SHOWN. REPORT TO ENGINEER IF DIFFUSER/GRILLE ISNT CONNECTED TO THE SPECIFIED ROOF TOP UNIT AS INDICATED OR BRANCH DUCT IS SMALLER THAN 4" OR 4x8". DIFFUSERS MAY NOT REPRESENT EXACT LOCATION.
- 2 EXISTING ELECTRIC WALL HEATER OR EXHAUST FAN TO REMAIN. PROTECT DURING CONSTRUCTION.
- 3 PROVIDE AND INSTALL EXHAUST FAN. RISE DUCT TO NEW SLOPED ROOF CAP AND SEAL WEATHER TIGHT.
- 4 REMOVE AND DISPOSE OF EXISTING ROOF TOP UNITS. REPLACE WITH NEW AS SHOWN. DISCONNECT AND RECONNECT DUCT, GAS PIPING AND THERMOSTAT AS REQUIRED. FIELD VERIFY EXACT LOCATION OF UNIT AND SIZE & ROUTE OF DUCTWORK.
- 5 REMOVE EXISTING WATER HEATERS AND WATER SOFTENER SYSTEM DURING NEW FLOOR FINISH AND RELOCATE AS SHOWN. MODIFY VENT, WATER AND GAS LINES AS REQUIRED FOR NEW LOCATIONS.
- 6 EXISTING KITCHEN EQUIPMENT TO BE REMOVED FOR NEW FLOOR FINISH. PROTECT DURING STORAGE AND RE-INSTALL AFTER WORK IS COMPLETE.
- 7 EXISTING GAS METER TO REMAIN. PROTECT DURING CONSTRUCTION.
- 8 PROVIDE AND INSTALL SIDEWALL EXHAUST FAN AS SHOWN AND MOUNT AS HIGH AS POSSIBLE.
- 9 REMOVE EXISTING SIDEWALL REGISTERS DURING CONSTRUCTION FOR RE-SURFACING. LOWER EASTERN REGISTERS TO HEIGHT OF WESTERN REGISTERS. CUT & PATCH WALL AND MODIFY DUCTWORK AS REQUIRED. RE-INSTALL EXISTING REGISTERS AFTER CONSTRUCTION AND BALANCE TO CFM AS INDICATED.
- 10 RE-CONNECT EXISTING PROGRAMMABLE THERMOSTAT TO NEW RTU.
- 11 RE-ROUTE EXISTING GAS LINES MOUNTED ON EXTERIOR WALL AROUND NEW DOORWAY AS REQUIRED. FIELD VERIFY EXISTING SIZE.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
(T)	ELECTRONIC THERMOSTAT
(EF)	EQUIPMENT SYMBOL
(HD)	HAND DAMPER
(RBD)	ROUND BRANCH DUCT WITH HAND DAMPER
(IFD)	INSULATED FLEXIBLE DUCT
(RAEG)	RETURN AIR OR EXHAUST GRILLE
(CD)	CEILING DIFFUSER
(RMU)	ROOF MOUNTED UPBLAST EXHAUST FAN

GENERAL NOTES:

- A- THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB SITE. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- B- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR.
- C- IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.
- D- CEILING DIFFUSERS ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO LIGHTING PLANS AND REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
- E- DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACOUSTICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.
- F- ALL DUCTWORK AND PIPING WHICH PASSES THRU FIRE RATED WALLS TO BE FIRE STOPPED WITH APPROVED FOAM OR SEALANT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS.

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS
 DATE ORIGINAL SIGNED: Sep 28, 2018
 ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
 1355 EAST CENTER, POCATELLO, IDAHO 83201

Engineered Systems Associates
 1355 EAST CENTER
 POCATELLO, IDAHO 83201
 PHONE: (208) 233-0501
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 EMAIL: esa@engsystems.com
 ESA JOB NUMBER: 18045

SYM.	CFM	OUTSIDE AIR REQUIRED	SP _e	BLOWER H.P.	CHAR	MCA	WEIGHT	GAS CONN	HEATING				COOLING			REMARKS
									BTU IN	BTU OUT	EAT	LAT	MBH	EAT	MB	
RT-1	1495	400	0.8"	1.0	240/60/1	46.0	900#	3/4"	150,000	120,000	65°F	104°F	61.8	80°F	62°F	LENNOX LGH060H4B WITH ADAPT-A-CURB AND ECONOMIZER
RT-2	1495	400	0.8"	1.0	240/60/1	46.0	900#	3/4"	150,000	120,000	65°F	104°F	61.8	80°F	62°F	LENNOX LGH060H4B WITH ADAPT-A-CURB AND ECONOMIZER

SYM.	TYPE	C.F.M.	S.P.E.	WATTS	CHAR.	R.P.M.	CONTROL	REMARKS
EF-1	WALL MOUNTED	180	.25	180	120/60/1	1425	WALL SWITCH	BROAN MODEL 504 WITH BACKDRAFT DAMPER. 8" EXHAUST DUCT TO WALL CAP.
EF-2	CEILING MOUNTED	100	.25	87	120/60/1	1750	WALL SWITCH	BROAN LOSONE SELECT MODEL L100 WITH BACKDRAFT DAMPER. 6" EXHAUST DUCT TO SLOPED ROOF CAP.

SYM.	TYPE	SIZE	CFM RANGE	THROW PATTERN	CONSTR.	FINISH	BALANCING DAMPER	FIRE DAMPER	REMARKS
RC-1	ROOF CAP	6"	120-200	NA	ALUM	COLOR BY ARCH.	NA	NA	BROAN SLOPED MODEL 634 WITH INSECT SCREEN

nbw architects p.a.
 ARCHITECTURE / PLANNING / INTERIORS
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REMODEL FOR:
SHELLEY SENIOR CENTER
 193 W. PINE ST.
 SHELLEY, ID 83274
 MECHANICAL FLOOR PLAN & SCHEDULES

PROJECT: _____

REVISIONS:

NO.	DESCRIPTION

PROJECT NO. 18023
 DATE: OCTOBER 2018
 DRAWN BY: T DRAVIS
 CHECKED BY: D SUDWEEKS

DRAWING NO.: **M1.1**