

**MECHANICAL FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



**PLAN NOTES:**

- ① RUN DUCT AS HIGH AS POSSIBLE OR UP TO 13' ABOVE FINISHED FLOOR.
- ② MOUNT DIFFUSERS AS HIGH AS POSSIBLE OR UP TO 11' ABOVE FINISH FLOOR.
- ③ MOUNT CONDENSING UNITS ON 4" CONCRETE PAD WITH 1" THICK NEOPRENE PADS UNDER EACH CORNER FOR VIBRATION ISOLATION.
- ④ INSTALL WALL LOUVER AND RUN 12x10" OUTSIDE AIR DUCT IN ATTIC SPACE TO MECHANICAL ROOM. RUN NEW ROUND DUCT TO EACH FURNACE WITH MOTORIZED DAMPER AND HAND DAMPER IN VERTICAL PORTION OF OUTSIDE AIR DUCT AS SHOWN. INTERLOCK MOTORIZED DAMPER WITH FURNACE OPERATION AND BALANCE HAND DAMPER TO 200 CFM. KEEP LOUVER MIN 10' FROM VENTS OR FLUES.
- ⑤ GAS METER BY LOCAL GAS COMPANY. SEE PI-1 FOR GAS PIPING.
- ⑥ RUN NEW 4" VENT THRU WALL TO NEW ROOF GAP AND CONNECT TO OWNER PROVIDED MICROWAVE. SEE ARCHITECT PLANS FOR EXACT LOCATION.
- ⑦ RUN NEW 3" COMBUSTION FLUE TO ROOF FOR BOILER. SEE DETAIL ON SHEET MI-2 FOR DETAILS.
- ⑧ RUN RETURN DUCT EXPOSED INTO ROOM AS HIGH AS POSSIBLE. PAINT VISIBLE PORTION OF INSIDE DUCT FLAT BLACK.
- ⑨ SEE DETAILS ON SHEET MI-2 FOR DETAILS

**MECHANICAL LEGEND**

SYMBOL	DESCRIPTION
(T)	ELECTRONIC THERMOSTAT
(ES)	EQUIPMENT SYMBOL
(HD)	HAND DAMPER
(RBD)	ROUND BRANCH DUCT WITH HAND DAMPER
(IFD)	INSULATED FLEXIBLE DUCT
(RA/EA)	RETURN AIR OR EXHAUST GRILLE
(CD)	CEILING DIFFUSER
(RMUEF)	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 MANUFACTURES.

DATE: \_\_\_\_\_

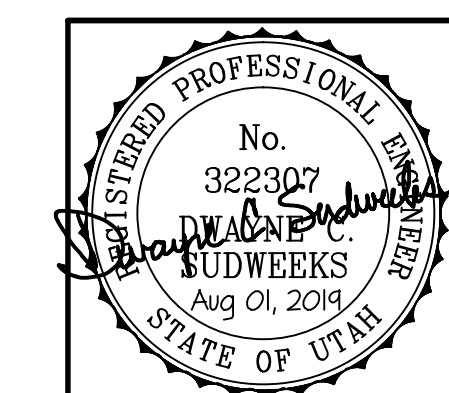
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A NEW FACILITY FOR:  
**WATER EDGE CLUBHOUSE #2**  
Vineyard, Utah  
**MECHANICAL FLOOR PLAN**

**Laughlin Ricks Architecture**  
architecture/planning  
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DATE: \_\_\_\_\_  
Drawn: \_\_\_\_\_ Checked: \_\_\_\_\_

**M1-1**



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