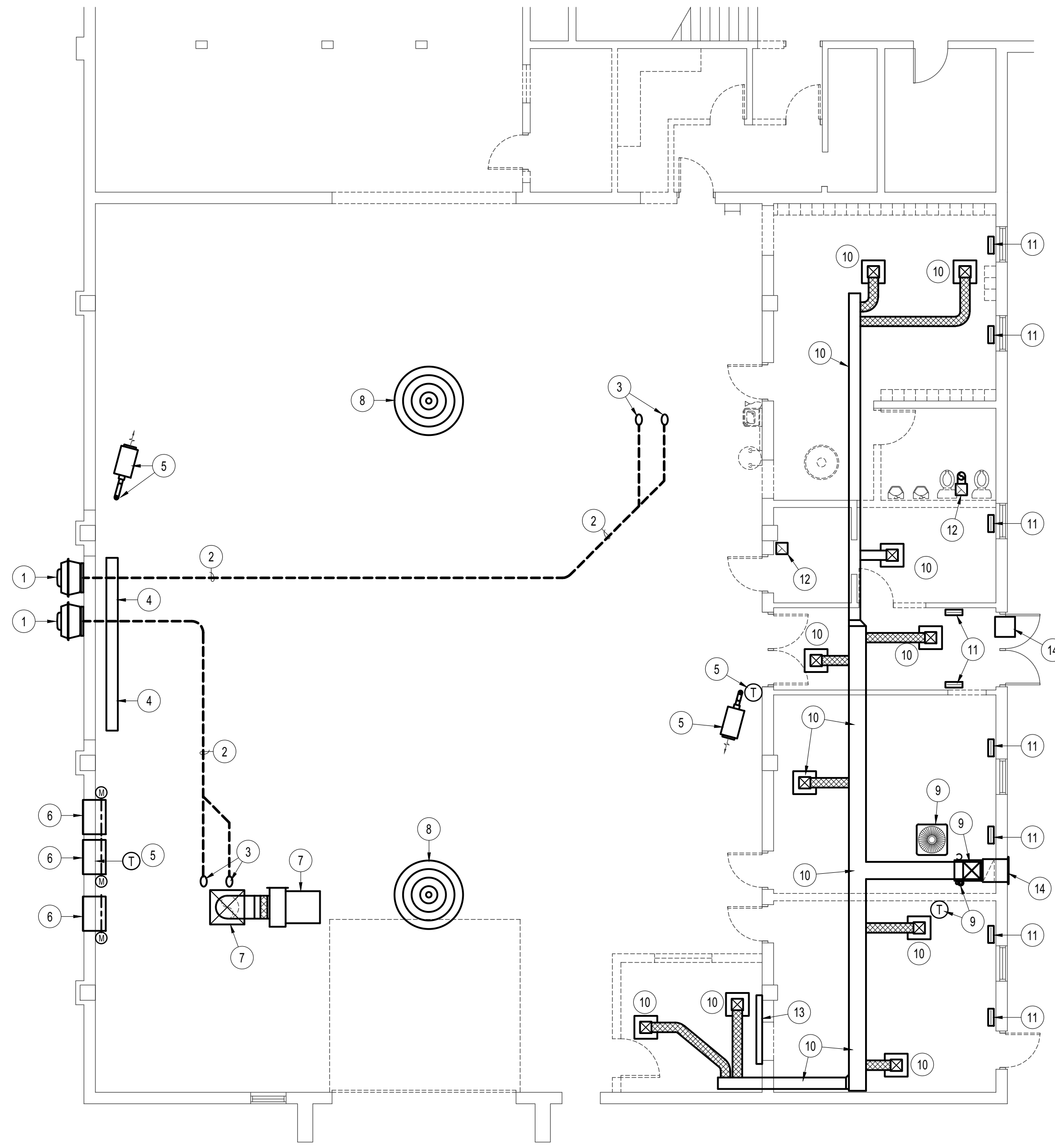


ROOF TOP HEATING & AIR CONDITIONING UNIT SCHEDULE																	
SYM.	CFM	SP.	BLOWER H.P.	CHAR.	MCA	MOCP	WEIGHT	GAS CONN.	LP GAS HEATING @ ELEV.				COOLING			REMARKS	
									BTU IN	BTU OUT	EAT	LAT	MBH	EER	EAT		LAT
RT-1	3000	1.2"	2	208/60/3	41.9	50	1400#	3/4"	200,000	134,400	65°F	106°F	92,000	12	75°F	55°F	TRANE MODEL YCH092E3 WITH FULL ECONOMIZER AND COIL GUARDS. DOWNFLOW CONFIGURATION.
RT-2	1400	1.2"	1	208/60/3	27.2	40	900#	3/4"	120,000	114,285	65°F	115°F	4800	14	75°F	55°F	TRANE MODEL YCH048E3 WITH FULL ECONOMIZER AND COIL GUARDS. DOWNFLOW CONFIGURATION.
RT-3	1400	1.2"	1	208/60/3	27.2	40	900#	3/4"	120,000	114,285	65°F	115°F	4800	14	75°F	55°F	TRANE MODEL YCH048E3 WITH FULL ECONOMIZER AND COIL GUARDS. DOWNFLOW CONFIGURATION.

1 PROVIDE SMOKE DETECTOR IN SUPPLY AIR DUCT FOR UNIT SHUT-DOWN.

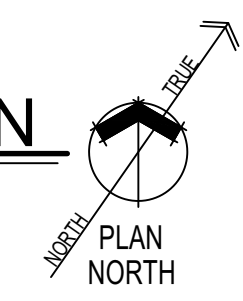
EXHAUST FAN SCHEDULE									
SYM.	TYPE	C.F.M.	S.P.E.	H.P.	CHAR.	R.P.M.	CONTROL	REMARKS	
EF-1	CEILING MOUNTED	100	25"	87	120/60/1	640	WITH LIGHTS	TWIN CITY MODEL T100 WITH BACK-DRAFT DAMPER AND 6"Ø DUCT TO OUTSIDE LOUVER.	
EF-2	CEILING MOUNTED	100	25"	87	120/60/1	640	WITH LIGHTS	TWIN CITY MODEL T100 WITH BACK-DRAFT DAMPER AND 6"Ø DUCT TO OUTSIDE LOUVER.	

GRILLE AND REGISTER SCHEDULE									
SYM.	SIZE	THROW	CFM	CONSTR.	FINISH	BRANCH DUCT	F.D.	O.B.	REMARKS
CD-1	9 x 9	↕	50-199	STEEL	WHITE	8"Ø	NO	NO	PRICE MODEL SMD WITH 24x24 LAY-IN MODULE
CD-2	12 x 12	↕	200-450	STEEL	WHITE	10"Ø	NO	NO	PRICE MODEL SMD WITH 24x24 LAY-IN MODULE
CD-3	9 x 9	↕	50-199	STEEL	WHITE	8"Ø	NO	YES	PRICE MODEL SMD WITH BEVELED FRAME
SR-1	12 x 8	---	50-199	STEEL	WHITE	12 x 10	NO	NO	PRICE MODEL 520L
SR-2	14 x 10	---	200-500	STEEL	WHITE	IN 18"Ø DUCT	NO	YES	PRICE MODEL SDGE WITH EXTRACTION DAMPER
RG-1	12 x 12	---	50-420	STEEL	WHITE	12 x 10	NO	NO	PRICE MODEL 535 WITH 24x24 LAY-IN MODULE
RG-2	24 x 10	---	425-800	STEEL	WHITE	24 x 10	NO	NO	PRICE MODEL 535L



**MECHANICAL DEMOLITION PLAN**

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

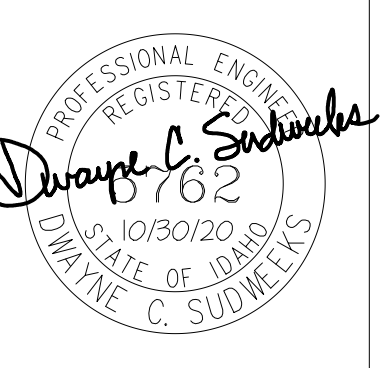


**PLAN NOTES:**

- DISCONNECT AND REMOVE EXISTING WALL MOUNTED EXHAUST FAN NEAR GRADE. REMOVE EXISTING DUCT THRU WALL AS FAR AS POSSIBLE. REFER TO ARCHITECTURAL DRAWINGS FOR PATCHING OF EXISTING CONCRETE WALL.
- EXISTING CAR EXHAUST DUCTS BELOW FLOOR TO BE ABANDONED. REMOVE ANY DUCT SECTIONS DISCOVERED DURING CONSTRUCTION TO ALLOW FOR NEW WASTE LINES. (REFER TO SHEET P1.2 FOR NEW WASTE PIPING.)
- REMOVE EXISTING CAR EXHAUST PORTS IN EXISTING CONCRETE FLOOR. ABANDON EXISTING DUCTWORK BELOW FLOOR. FILL EXISTING DUCT WITH 3/4" PEA GRAVEL AND TAMP SOLID. REFER TO ARCHITECTURAL DRAWINGS FOR CUTTING AND PATCHING OF EXISTING CONCRETE FLOORS.
- REMOVE EXISTING DUCTWORK AND SUPPORTS. FIELD VERIFY EXISTING CONDITIONS.
- DISCONNECT AND REMOVE EXISTING GAS FIRED UNIT HEATER AND EXISTING FLUE THRU ROOF. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF PATCHING. CONTRACTOR TO PROVIDE TEMPORARY HEATER AS REQUIRED TO KEEP EXISTING WATER PIPING FROM FREEZING. REMOVE EXISTING WALL MOUNTED THERMOSTAT CONTROL FOR CORRESPONDING UNIT.
- DISCONNECT AND REMOVE EXISTING LOUVERS, CONTROLS, DUCT SLEEVES AND DAMPERS FROM EXISTING WINDOW FRAMES. REFER TO ARCHITECTURAL DRAWINGS FOR NEW WINDOWS.
- DISCONNECT AND REMOVE EXISTING ROOF MOUNTED EXHAUST FAN, DUCTWORK ABOVE AND BELOW ROOF, AND ROOF CURB. REFER TO ARCHITECTURAL DRAWINGS FOR CUTTING AND PATCHING OF EXISTING ROOF AND CEILING.
- REMOVE EXISTING ROUND CEILING DIFFUSER AND ALL DUCTWORK IN CEILING SPACE. FIELD VERIFY EXISTING CONDITIONS. REFER TO ARCHITECTURAL DRAWINGS FOR PATCHING OF EXISTING CEILING.
- DISCONNECT AND REMOVE EXISTING GAS FIRED FURNACE. ALL EXISTING DUCTWORK IN CLASSROOM AND ABOVE CEILINGS, ALL EXISTING REFRIGERANT PIPING AND ROOF MOUNTED CONDENSING UNIT, AND ALL EXISTING CONTROLS. REFER TO ARCHITECTURAL DRAWINGS FOR PATCHING OF EXISTING ROOF.
- REMOVE ALL EXISTING DUCTWORK AND GRILLES FROM BUILDING UNLESS NOTED OTHERWISE. FIELD VERIFY EXISTING CONDITIONS.
- REMOVE ALL EXISTING FLOOR GRILLES AND CUT DUCT BELOW FLOOR. FILL EXISTING DUCT WITH 3/4" PEA GRAVEL AND TAMP SOLID. REFER TO ARCHITECTURAL DRAWINGS FOR PATCHING OF EXISTING CONCRETE FLOORS.
- DISCONNECT AND REMOVE EXISTING CEILING MOUNTED EXHAUST FAN AND ALL ASSOCIATED DUCTWORK ABOVE CEILINGS AND THRU ROOF. FIELD VERIFY EXISTING CONDITIONS. REFER TO ARCHITECTURAL DRAWINGS FOR CUTTING AND PATCHING OF EXISTING ROOF.
- DISCONNECT AND REMOVE EXISTING ELECTRIC BASEBOARD HEATER AND CONTROL. CONTRACTOR TO PROVIDE TEMPORARY HEAT AS REQUIRED TO KEEP EXISTING WATER PIPING FROM FREEZING.
- DISCONNECT AND REMOVE EXISTING OUTSIDE WALL LOUVER AND/OR WINDOW MOUNTED A/C UNIT. REFER TO ARCHITECTURAL PLANS FOR PATCHING OF EXISTING BRICK WALLS AND/OR WINDOWS. DELIVER A/C UNIT TO OWNER.

GENERAL NOTE:  
CONTRACTOR MUST COORDINATE SCHEDULE WITH ISU AND PROVIDE TWO WEEKS NOTICE FOR ANY UTILITY OUTAGES.

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS  
DATE ORIGINAL SIGNED: Oct 30, 2020  
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  
FAX: (208) 233-0529  
EMAIL: esa@engsystems.com  
ESA JOB NUMBER: 19069

**DBS APPROVAL**

BLD2009-00014

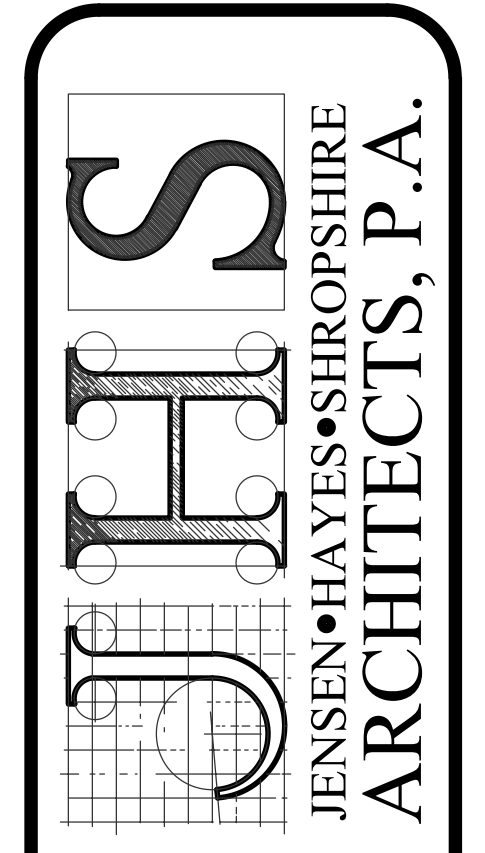
**REVIEWED FOR CODE COMPLIANCE**

This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

**SEPARATE BUILDING PERMIT REQUIRED FOR CONSTRUCTION**

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JENSEN•HAYES•SHROPSHIRE ARCHITECTS, P.A.

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POCATELLO, IDAHO 83204  
(208) 232-1223



**COT NURSING DPW#17240, RFC BUILDING  
IDAHO STATE UNIVERSITY  
777 MEMORIAL DRIVE, POCATELLO, IDAHO**

**MECHANICAL DEMO PLAN AND SCHEDULES**

REVISIONS: \_\_\_\_\_

DATE: OCT 20

DRAWING NO. **M1.1**

JOB NO. 1912

F:\1\10641 ISU COT Nursing Remodel\10641-M1.dwg Nov 04, 2020 - 8:40am