NOTES:

1– DO NOT USE DUCT LINER IN RETURN AIR DUCT RISERS IN WALLS AND IN EQUIPMENT PLATFORM FLOOR JOISTS.

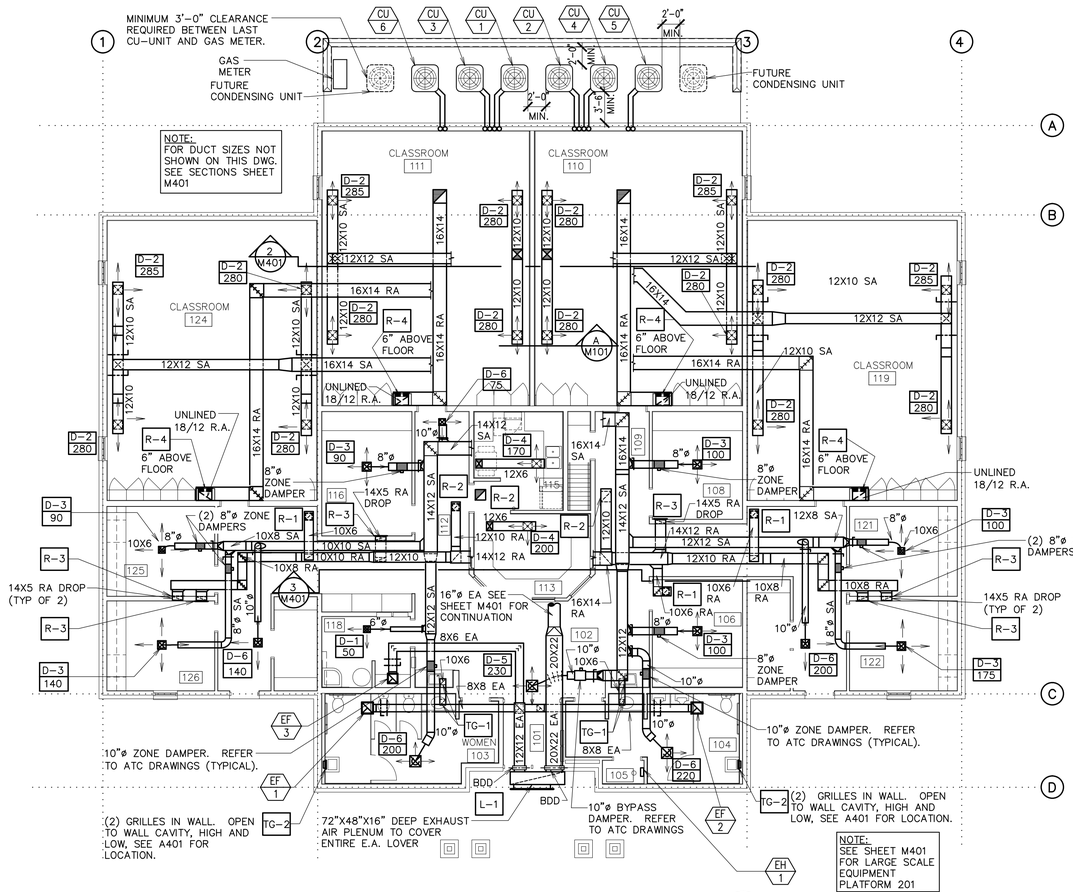
2– WRAP ALL OUTSIDE AIR DUCTS WITH THERMAL WRAP DUCT INSULATION.

3– ALL DUCT DIMENSIONS SHOWN ARE CLEAR DIMENSIONS INSIDE DUCT LINER.

4– SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF GRILLES AND DIFFUSERS.

5– SEE STRUCTURAL FOR LOCATION OF SHEAR WALLS. COORDINATE DUCT PENETRATIONS WITH ACCESS PENETRATIONS. ALSO SEE ARCHITECTURAL SECTIONS.

6– ALL PVC EQUIPMENT VENTS, AND PLUMBING VENTS ABOVE ROOF SHALL BE PAINTED TO MATCH ROOF COLOR.



MAIN FLOOR MECHANICAL PLAN

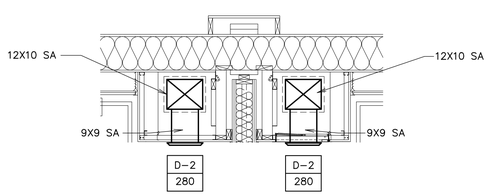
1/8" = 1'-0"

NORTH

L E G E N D

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	BRANCH DUCT TAKE-OFF		MANUAL VOLUME DAMPER
	SINGLE THICKNESS TURNING VANES		BDD (BACKDRAFT DAMPER)
	DUCT TRANSITION	SA	SUPPLY AIR
		RA	RETURN AIR
UP	SLOPE DUCT IN DIRECTION SHOWN	OA AND FA	OUTSIDE AIR (FRESH AIR)
		EA	EXHAUST AIR
	6X6 ACCESS DOOR	TA	TRANSFER AIR
	MOTORIZED DAMPER		

DESIGN CONDITIONS	OUTSIDE	INSIDE
WINTER	–15° F	70°F
SUMMER	95°F db, 70°F wb	75°F db, 64°F wb



(A) SECTION

1/2" = 1'-0"

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS
DATE ORIGINAL SIGNED: Nov 29, 2017
ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
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New Building for:
Thunder Ridge Sr. Seminary
S&I
Project Address

Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Mark	Date (D-M-Y)	Description

Project Number: 16059
Plan Series: SEM07-04-10
Property Number: ***

Sheet Title: MECHANICAL FLOOR PLAN AND LEGEND

Sheet: M101