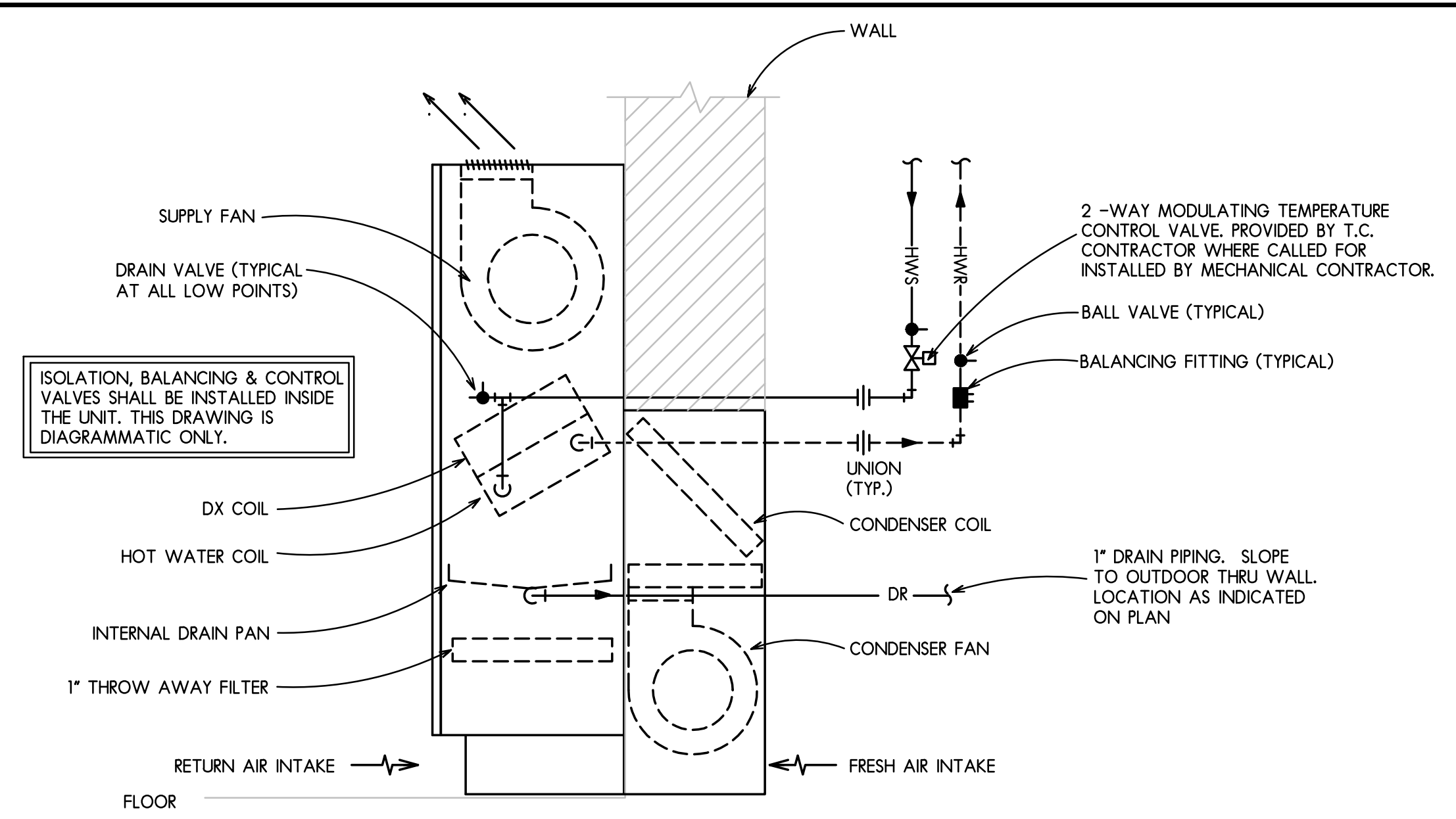


1 NEW WORK HVAC PARTIAL FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



- NOTE:**
1. PROVIDE MANUAL AIR VENT AT HIGH POINT OF PIPING SYSTEM.
 2. F&B DAMPER IS NOT SHOWN FOR SIMPLICITY AND IS REQUIRED ON DRAW-THRU DESIGNS ONLY.

2 SELF-CONTAINED CLASSROOM UNIT VENTILATOR (CUV) DETAIL
NO SCALE

CLASSROOM UNIT VENTILATOR (CUV) SCHEDULE SELF-CONTAINED

PLAN NO.	CUV-1 & CUV-2	
SERVICE	LIBRARY	
MANUFACTURER	DAIKIN	
MODEL	UAZG9036	
CFM	1,250	
MIN. OA (CFM)	260	
HEATING WATER	EAT (°F)	50.0
	LAT (°F)	95.1
	EWI (°F)	180
	LWT (°F)	118.8
	MBH	61.2
	GPM	2.0
	PD (FT H2O)	0.57
ROWS	2	
DX COOLING	EAT DB/WB (°F)	80.0/67.0
	LAT DB/WB (°F)	61.7/57.5
	MBH TOT/SEN	38.1/24.8
	GPM	10.0
MOTOR	EER	10.6
	REFRIGERANT	R-410A
	HP	0.25
	VOLTAGE/PH/Hz	208/3/60
MCA/MOCP (A)	23.4/35.0	
NOTES:	1, 2, 3, 4, 5, 6, 7	

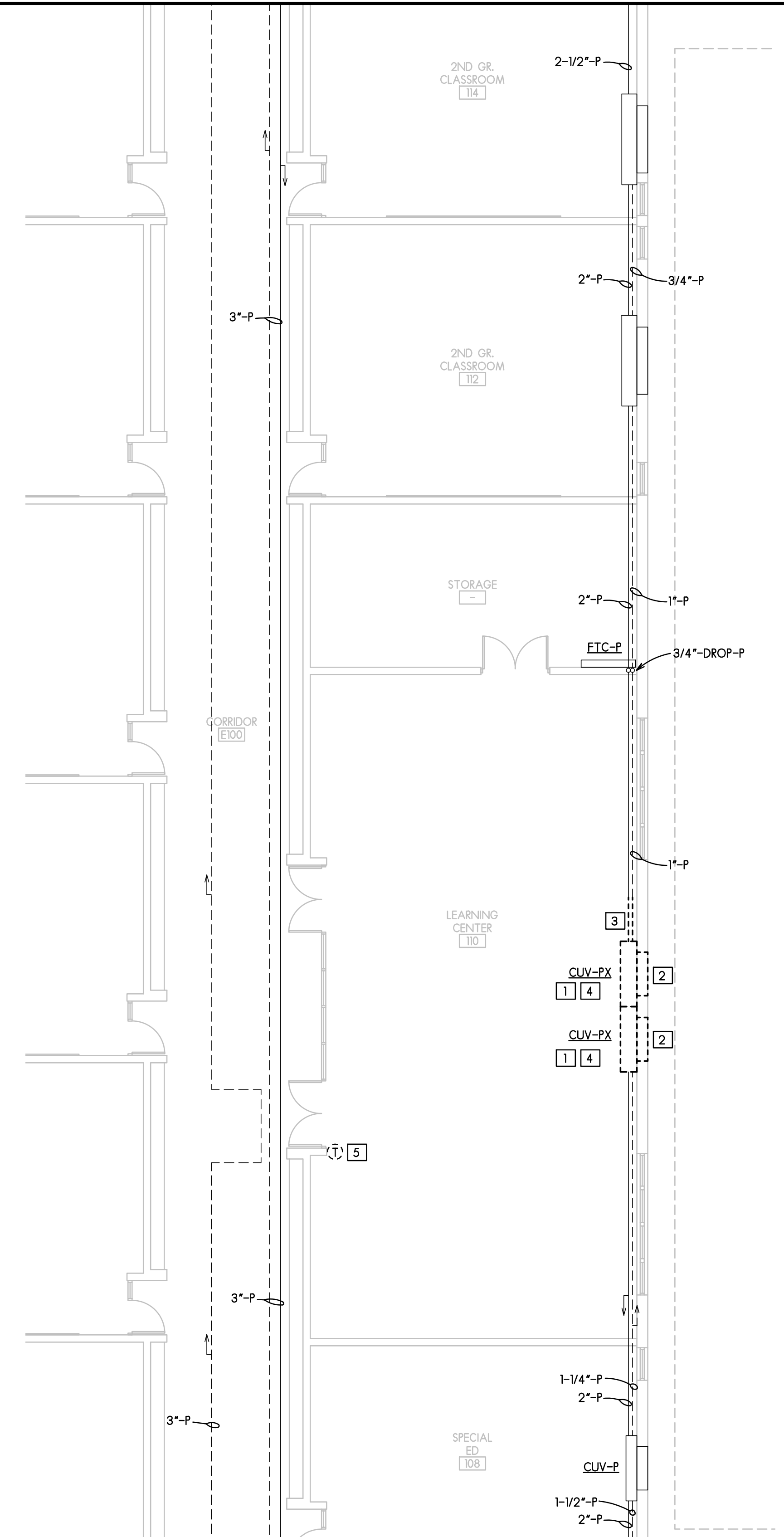
- NOTES:**
1. PROVIDE WITH DISCHARGE GRILLE, OUTDOOR INTAKE GRILLE WITH HORIZONTAL LOUVERS, FRONT RETURN AIR, 2-WAY CONTROL VALVE FOR ASHRE TYPE 2 CONTROL, AND MIXING DAMPERS.
 2. PROVIDE WITH ECM MOTOR, DDC READY CONTROLS.
 3. UNIT DEPTH TO MATCH EXISTING.
 4. FIELD VERIFY COIL CONNECTION.
 5. PROVIDE W/ MOTOR INTERNAL THERMAL OVERLOAD/STARTERS & DISCONNECT SWITCH.
 6. UNIT IS BASED ON BLOW-THROUGH CONFIGURATION. FOR DRAW-THRU F&B DAMPERS IS REQUIRED.
 7. PROVIDE WITH DDC CONTROLLER COMPATIBLE WITH EXISTING BAS SYSTEM.

HVAC DEMOLITION KEYED NOTES

1. REMOVE EXISTING SELF-CONTAINED UNIT VENTILATOR AS SHOWN. DISCONNECT EXISTING HWS & HWR PIPING AND PREPARE TO CONNECT TO NEW UNIT AS SHOWN ON NEW WORK PLAN.
2. REMOVE EXISTING OUTSIDE AIR LOUVER IF NEEDED TO MATCH NEW UNIT REQUIREMENT. PREPARE TO MODIFY OPENING TO ACCOMMODATE NEW UNIT.
3. REMOVE/MODIFY PORTION OF HWS PIPING AND RADIATOR COVERS TO ALLOW FOR INSTALLATION OF NEW UNITS. FIELD VERIFY EXACT DIMENSIONS.
4. DISCONNECT ELECTRICAL POWER TO EXISTING UNIT. EXISTING 3-PH BREAKER SHALL BE REMOVED AND REPLACED WITH NEW 3-PH BREAKER TO FEED NEW UNIT. REFER TO NEW WORK PLAN.
5. REMOVE EXISTING T-STAT CONTROLLING EXISTING UNITS.

HVAC KEYED NOTES

1. INSTALL NEW UNIT VENTILATOR AS SHOWN. RECONNECT EXISTING HWS & HWR PIPING TO NEW UNIT.
2. INSTALL NEW LOUVER PROVIDED BY UNIT MANUFACTURER. PROVIDE STEEL LINTEL AND MODIFY EXISTING WALL OPENING AS REQUIRED TO INSTALL THE NEW LOUVER.
3. RECONNECT ELECTRICAL POWER TO NEW UNIT. PROVIDE NEW BREAKER IN EXISTING PANEL.
4. PROVIDE & INSTALL NEW T-STAT IN LOCATION OF EXISTING STAT. RUN NEW CONTROL WIRING. CONCEAL WIRES IN NEW WIRE MOLD AS NEEDED.



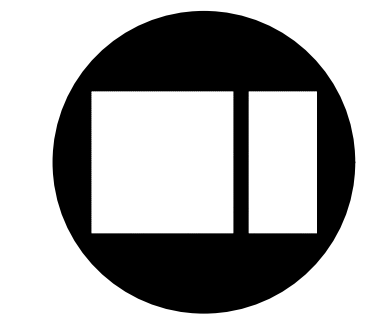
3 DEMOLITION HVAC PARTIAL FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

GENERAL CONSTRUCTION NOTES

1. RUN 1" CONDENSATE PIPING FROM ALL CLASSROOM UNIT VENTILATORS THRU EXTERIOR WALL TO OUTSIDE. PROVIDE SCREEN OVER PIPE OPENING.
2. EXISTING UNITS REPLACEMENT SHALL INCLUDE ALL TEMPERATURE CONTROL AND ELECTRICAL WORK.
3. PROVIDE UNITS WITH DDC CONTROLLERS COMPATIBLE WITH EXISTING BAS SYSTEM.
4. PROVIDE ALL HARDWARE AND PROGRAMMING TO INTEGRATE NEW UNIT WITH EXISTING BAS.

HVAC PLAN

SCALE: NTS



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ISSUED FOR:	DATE
BIDDING	09-14-18
BE-BIDDING	04-08-19
DRAWN	APPROVED
PM	RAS

DATE: 09-14-2018	PROJECT NUMBER
28206	SHEET NUMBER
M1.1	