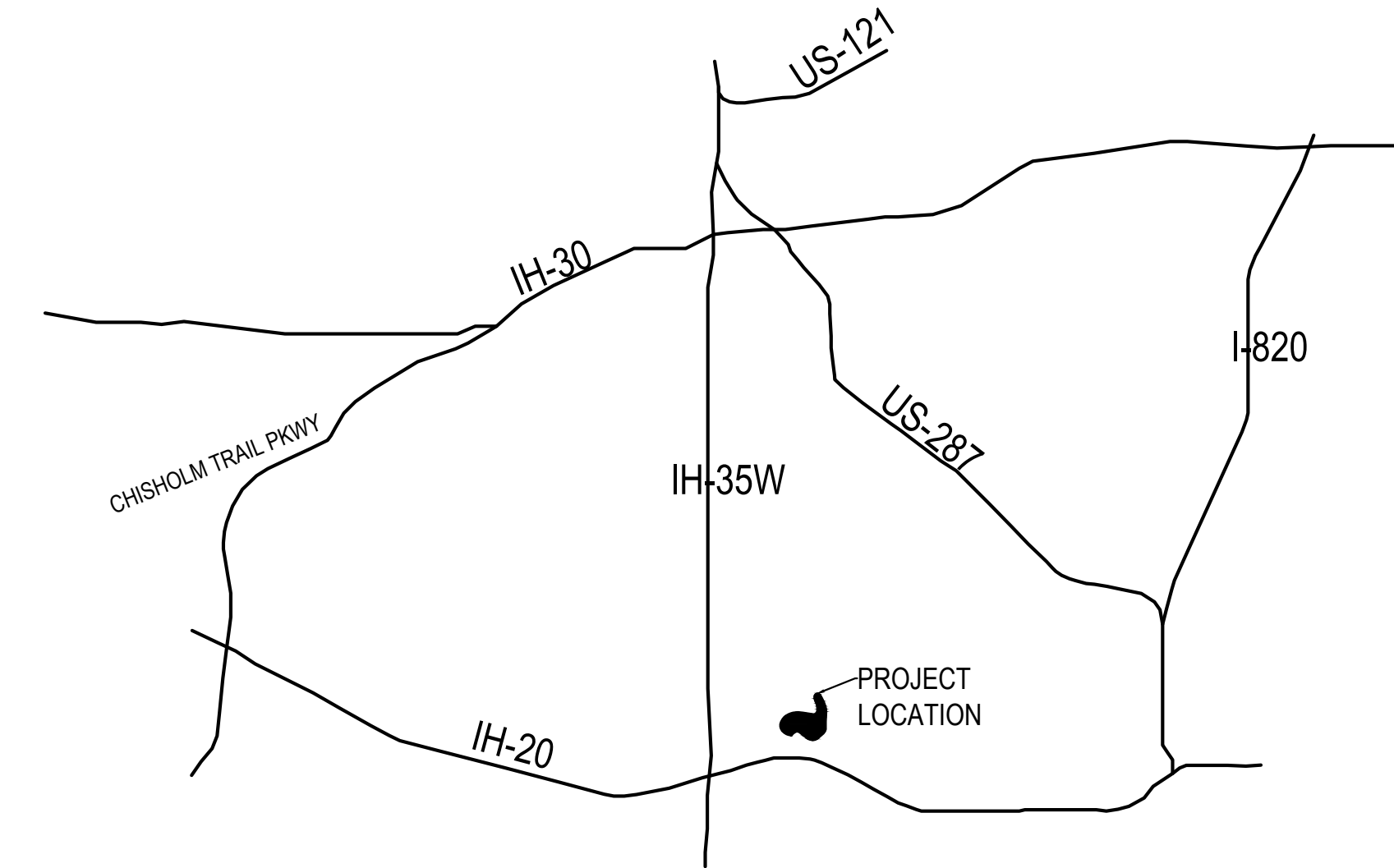


REPLACE ROOFTOP MULTI-ZONE UNITS TARRANT COUNTY RESOURCE CONNECTION

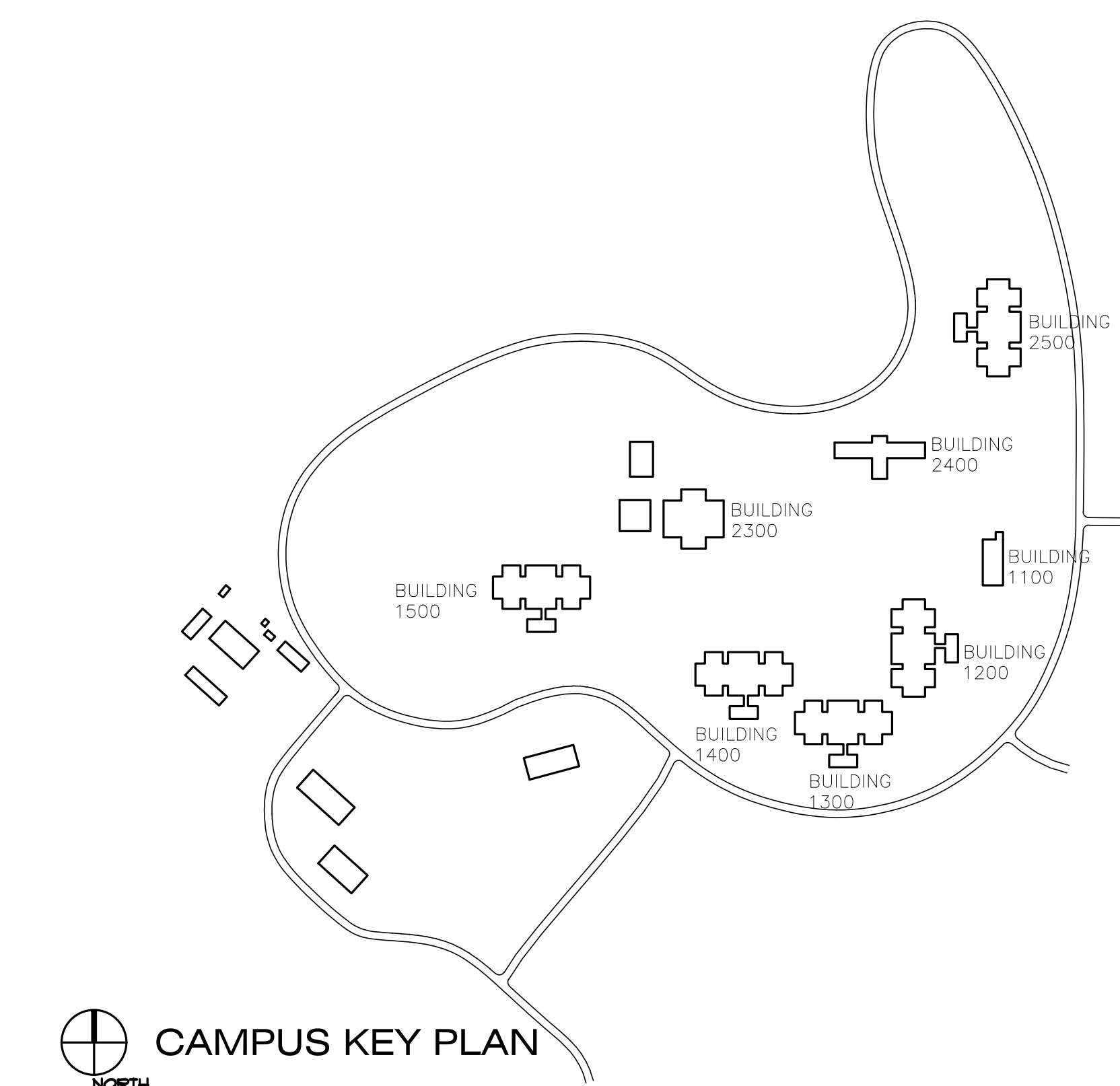
1100 CIRCLE DRIVE FORT WORTH, TX 76119

VICINITY MAP



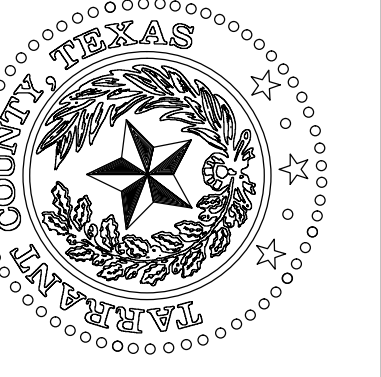
INDEX OF SHEETS

G0-1	COVER SHEET
DME-1	DEMOLITION PLANS BUILDINGS 1100, 1200 - 1500, AND 2300
DME-2	DEMOLITION PLANS BUILDINGS 2400 AND 2500
ME-1	MECHANICAL FLOOR PLANS AND SCHEDULES BUILDINGS 1100 AND 1200
ME-2	MECHANICAL FLOOR PLANS AND SCHEDULES BUILDINGS 1300 AND 1400
ME-3	MECHANICAL FLOOR PLANS AND SCHEDULES BUILDINGS 1500 AND 2300
ME-4	MECHANICAL FLOOR PLANS AND SCHEDULES BUILDINGS 2400 AND 2500
ME-5	MECHANICAL DETAILS



CAMPUS KEY PLAN

BIB
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engineering and surveying
6300 Regatta Place, Suite 700 Fort Worth, TX 76116
mail@bhbc.com • 817.338.1277 • bhbc.com
P.E. Firm #44, #10170263, 10011022, #1019446



REPLACE ROOFTOP MULTI-ZONE UNITS

TARRANT COUNTY RESOURCE CONNECTION
1100 CIRCLE DRIVE FORT WORTH, TEXAS 76119

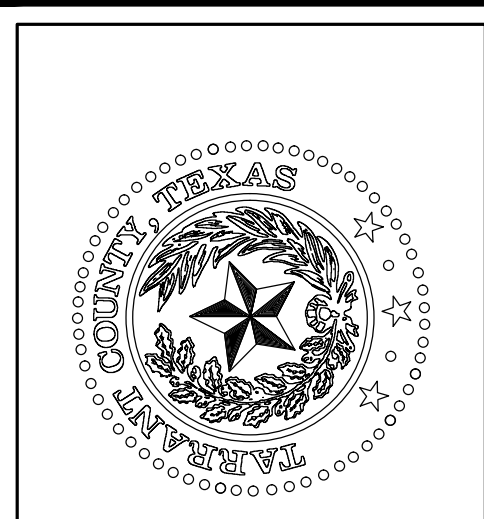
COVER SHEET

NO.	DESCRIPTION	DATE



PROJECT NUMBER: 2021.010.045
DATE: 10/20/22 DRAWN BY: CMW
DESIGN BY: LRB CHECKED BY: LRB

SHEET
G0-1
SHEET 1 OF 1 G SHEETS TOTAL



REPLACE ROOFTOP MULTI-ZONE UNITS
TARRANT COUNTY RESOURCE CONNECTION
 1100 CIRCLE DRIVE FORT WORTH, TEXAS 76119

DEMOLITION PLANS
 BUILDINGS 1100, 1200-1500, AND 2300

NO.	DESCRIPTION	DATE

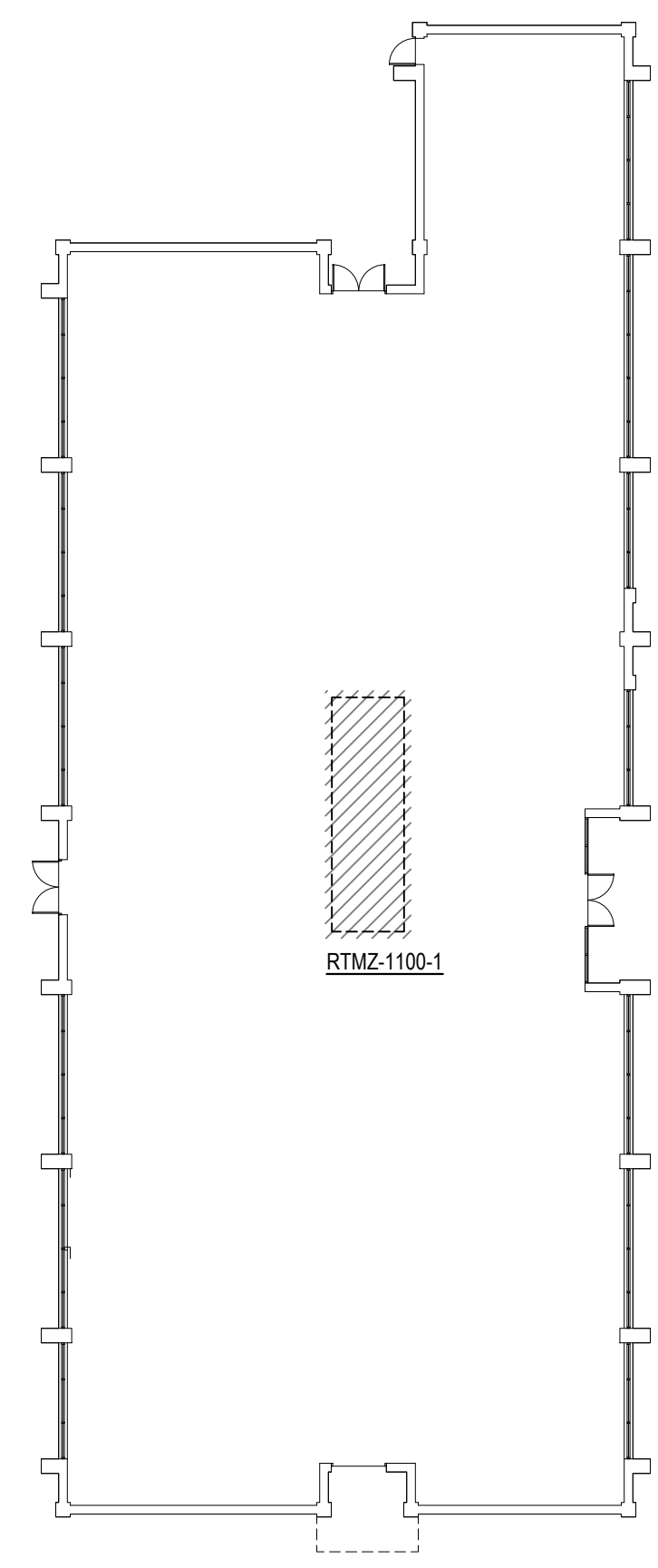


NOTES BY SYMBOL: (RTMZ)

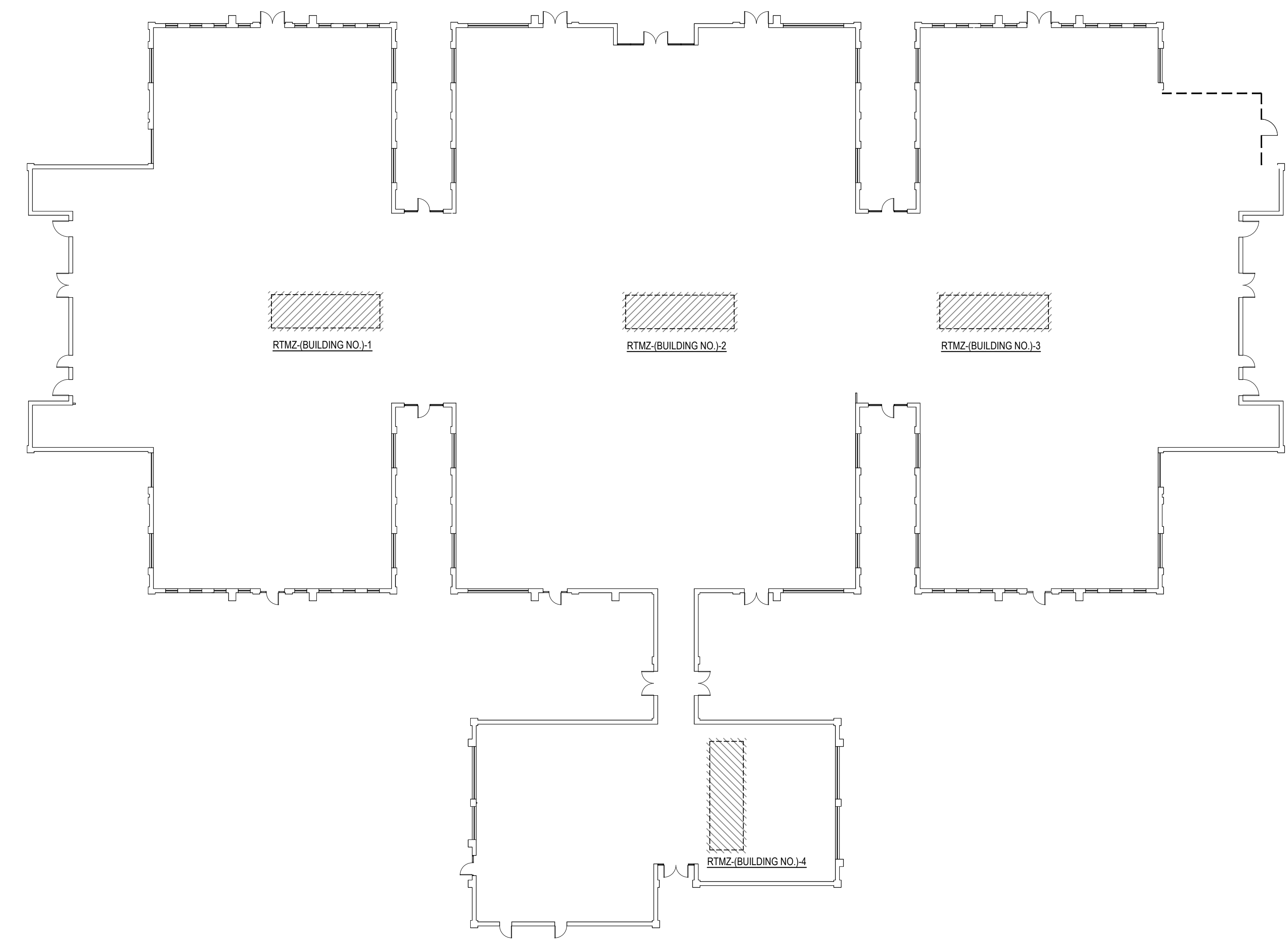
- REMOVE EXISTING ROOF TOP MULTI-ZONE HVAC UNIT. DISCONNECT NATURAL GAS SUPPLY AND CONDENSATE DRAIN, WHICH WILL BE RE-CONNECTED TO NEW ROOF TOP MULTI-ZONE HVAC UNIT. REMOVE ALL CONTROL TUBING, WIRING, DEVICES, AND ZONE THERMOSTATS. EXISTING ROOF CURB AND INTERIOR DUCT WORK TO REMAIN AND BE RE-USED.

GENERAL NOTES:

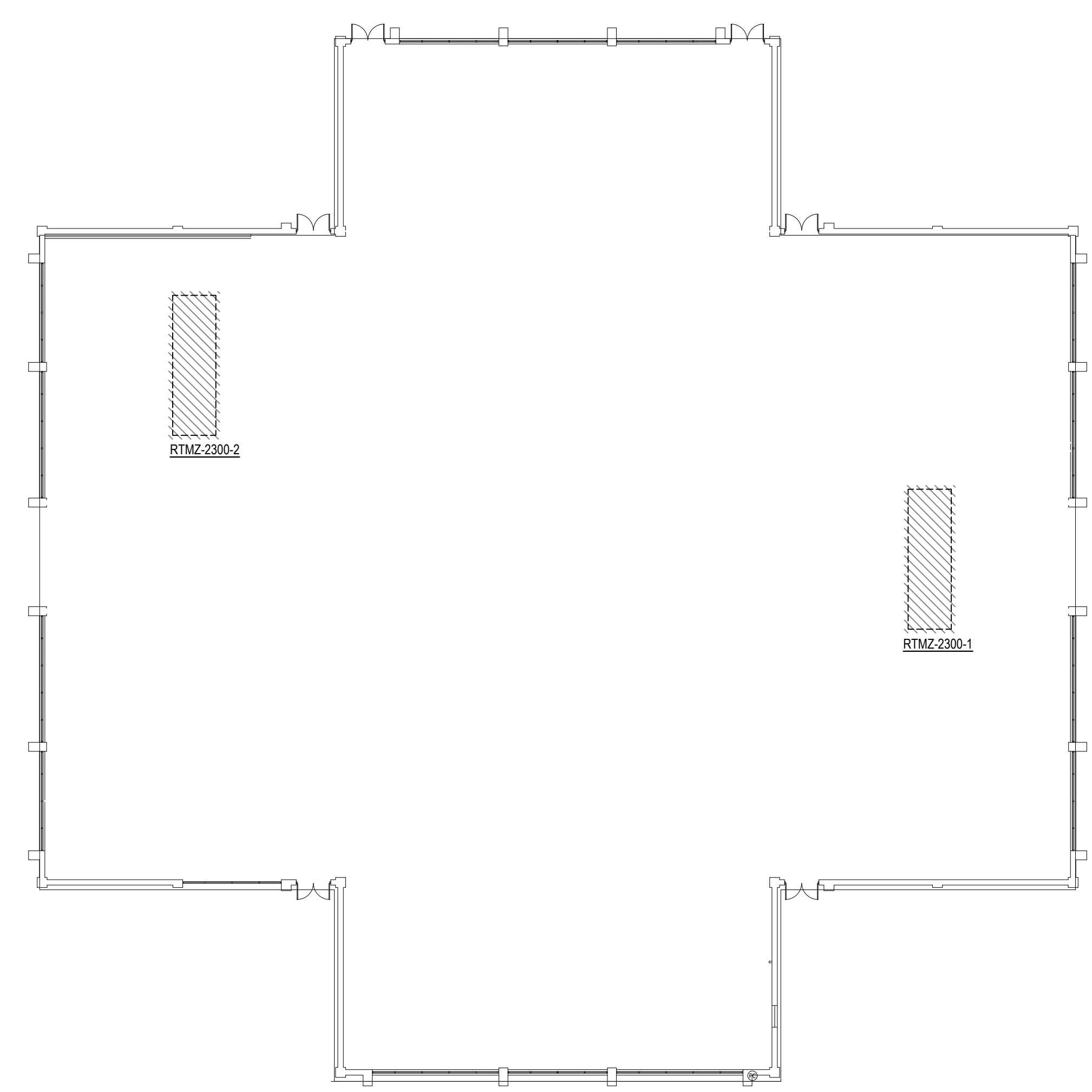
- CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS TO INCLUDE NUMBER OF ZONES PER UNIT.
- REMOVAL OF EACH EXISTING MULTI-ZONE UNIT SHALL NOT BE UNDERTAKEN UNTIL CORRESPONDING NEW REPLACEMENT UNIT IS PRESENT AND READY TO BE INSTALLED.
- EXISTING ROOF TOP MULTI-ZONE UNITS, WHEN REMOVED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE OWNER'S PROPERTY. CONTRACTOR SHALL PROPERLY DISPOSE OF UNITS IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS. PROVIDE COPIES OF ALL WASTE DISPOSAL MANIFESTS AND REFRIGERANT RECOVERY LOGS TO ENGINEER FOR TRANSMITTAL TO THE OWNER.
- DISCONNECT AND PROTECT CONDUCTORS TO EXISTING ROOFTOP UNITS AND PULL BACK TO BELOW CEILING AND CAP FOR FUTURE EXTENSION AND CONNECTION TO NEW ROOFTOP UNITS.



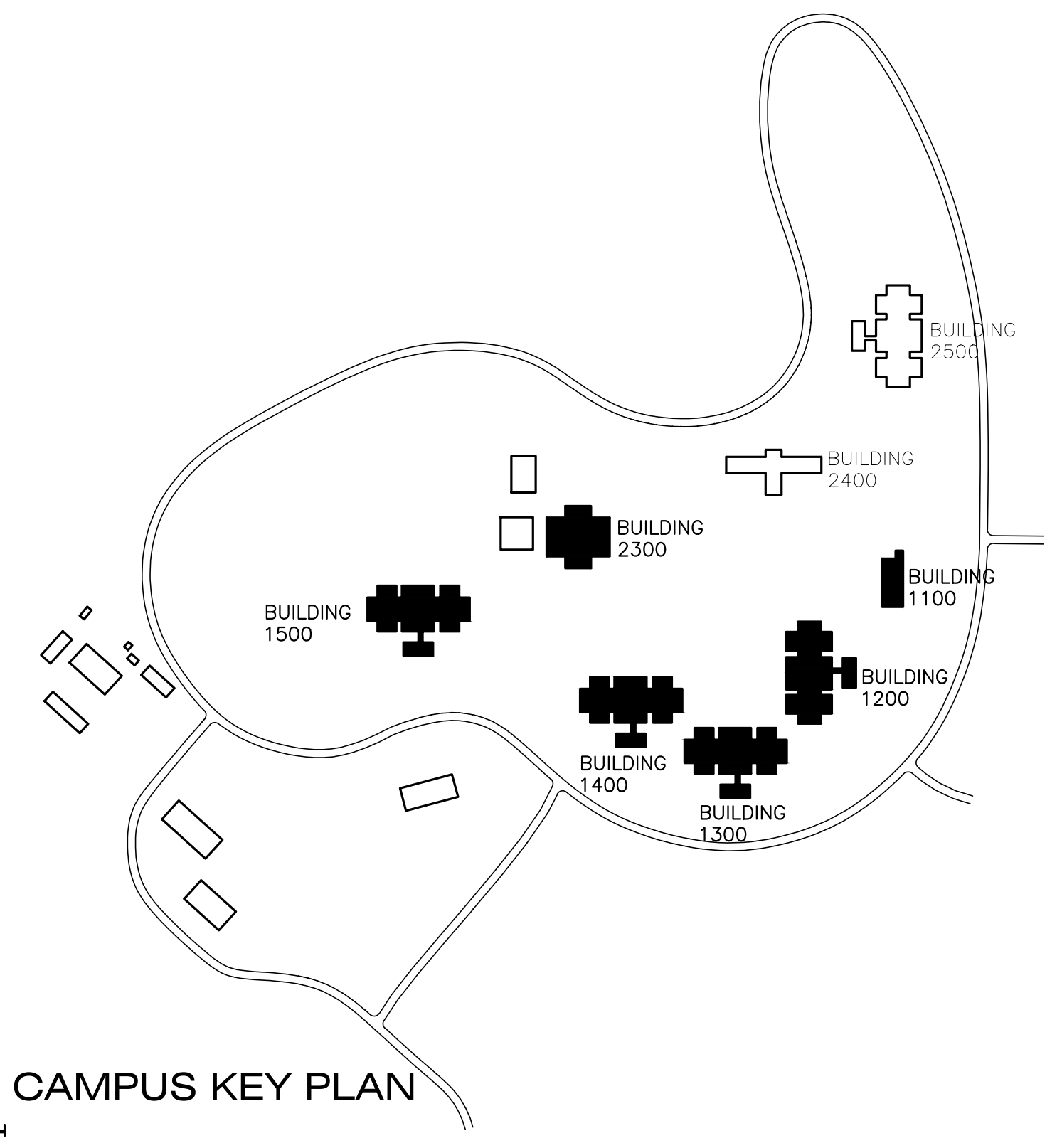
1 BUILDING 1100 DEMOLITION ROOF PLAN
 DME-1 SCALE: 1" = 20'-0"



2 BUILDING 1200, 1300, 1400, AND 1500 DEMOLITION ROOF PLAN
 DME-1 SCALE: 1" = 20'-0"

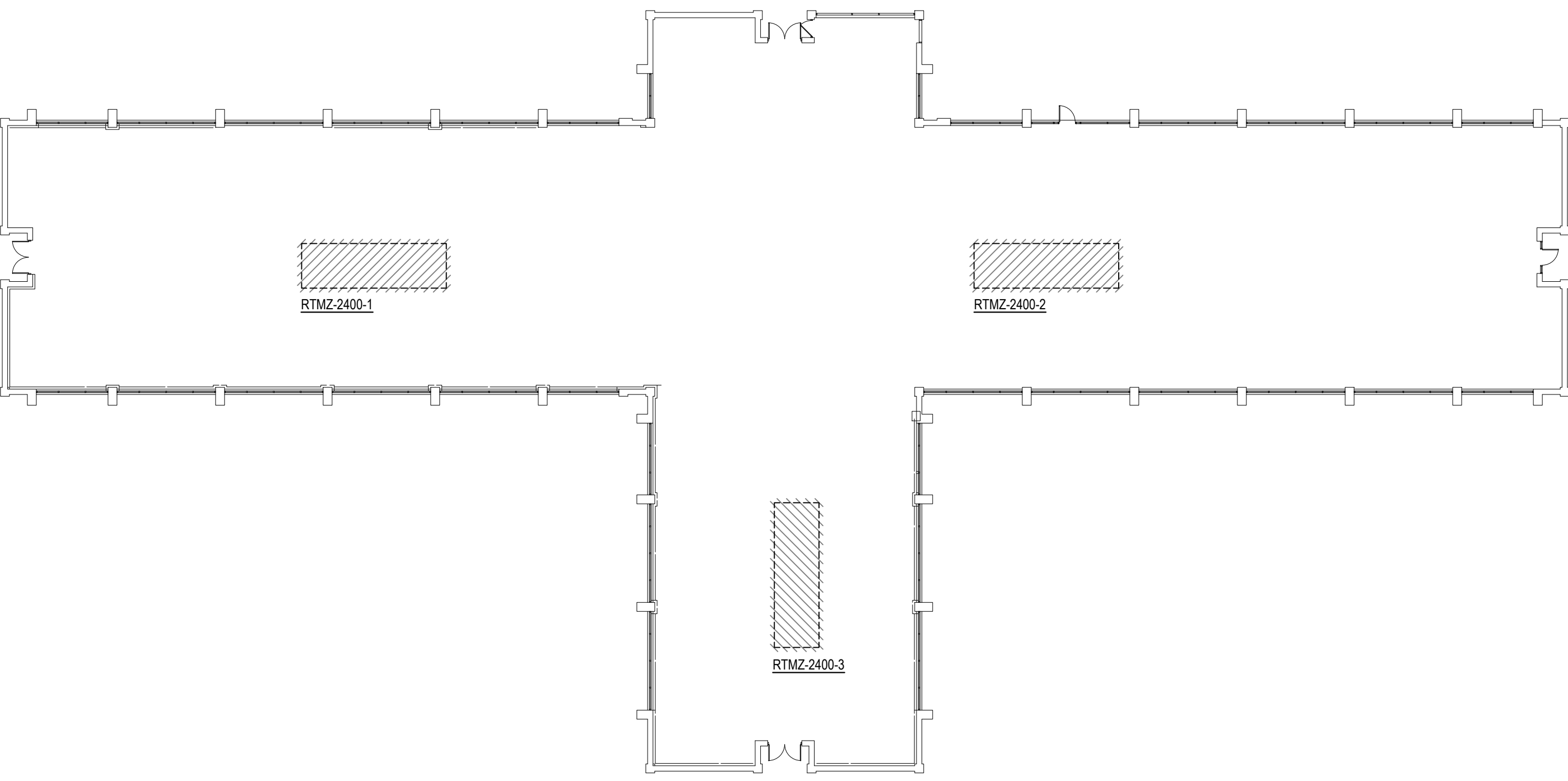


3 BUILDING 2300 DEMOLITION ROOF PLAN
 DME-1 SCALE: 1" = 20'-0"

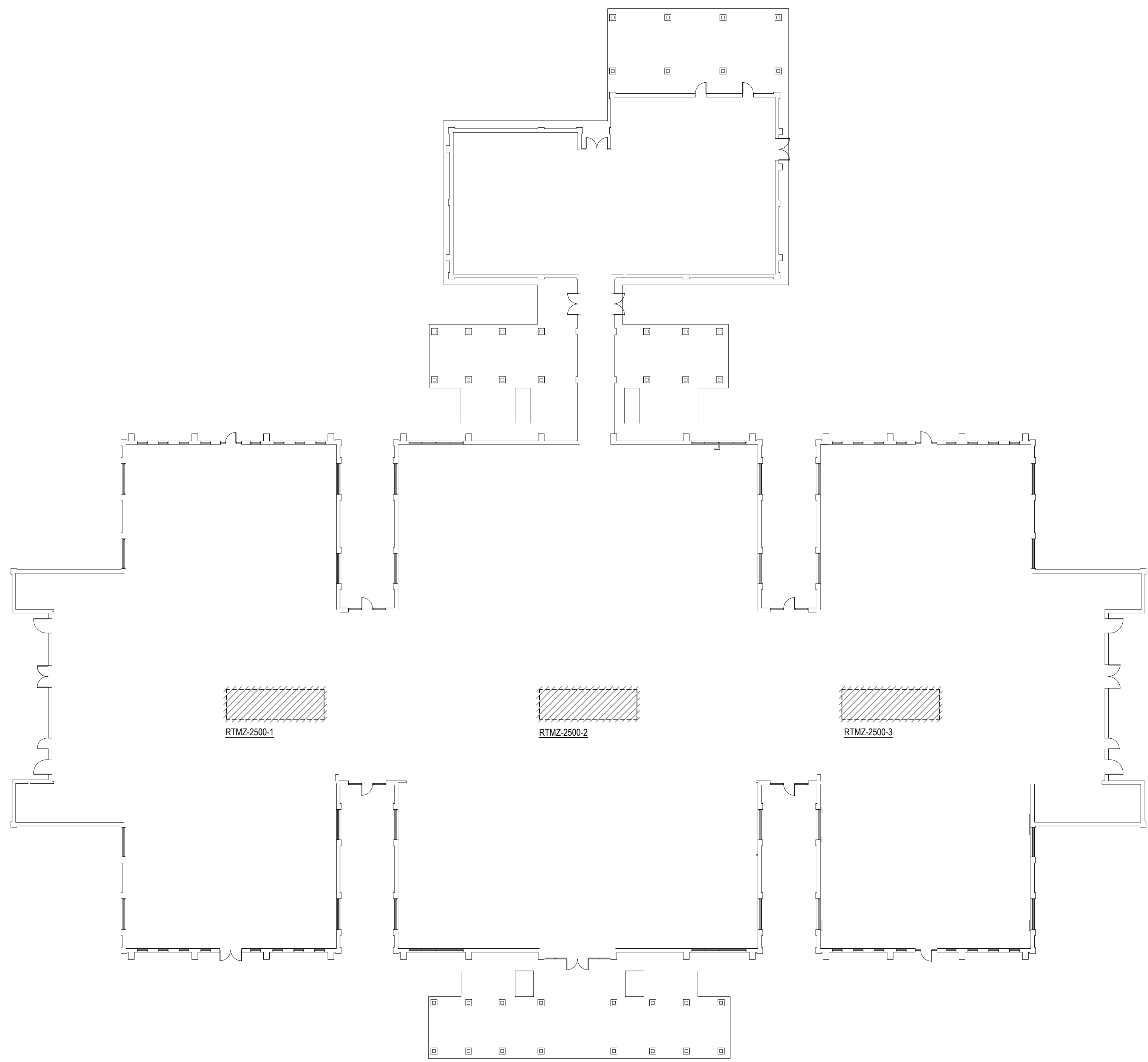


CAMPUS KEY PLAN

9/9/2022 10:38AM E:\021.010.000\021.010.045 - Tarrant County Projects\2021.010.045 - Resource Conn MW RTM\01 Design & Drafting\06 Mech\DME-1.dwg DME-1



1 BUILDING 2400 DEMOLITION ROOF PLAN
SCALE: 1" = 20'-0"



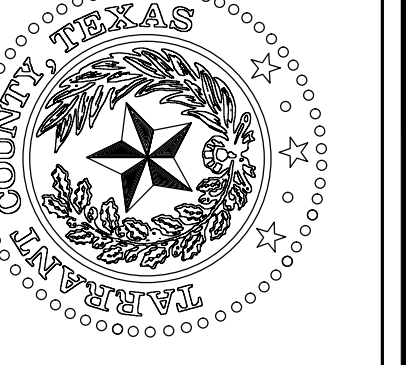
2 BUILDING 2500 DEMOLITION ROOF PLAN
SCALE: 1" = 20'-0"

NOTES BY SYMBOL: (E)

- REMOVE EXISTING ROOF TOP MULTI-ZONE HVAC UNIT. DISCONNECT NATURAL GAS SUPPLY AND CONDENSATE DRAIN, WHICH WILL BE RE-CONNECTED TO NEW ROOF TOP MULTI-ZONE HVAC UNIT. REMOVE ALL CONTROL TUBING, WIRING, DEVICES, AND ZONE THERMOSTATS. EXISTING ROOF CURB AND INTERIOR DUCT WORK TO REMAIN AND BE RE-USED.

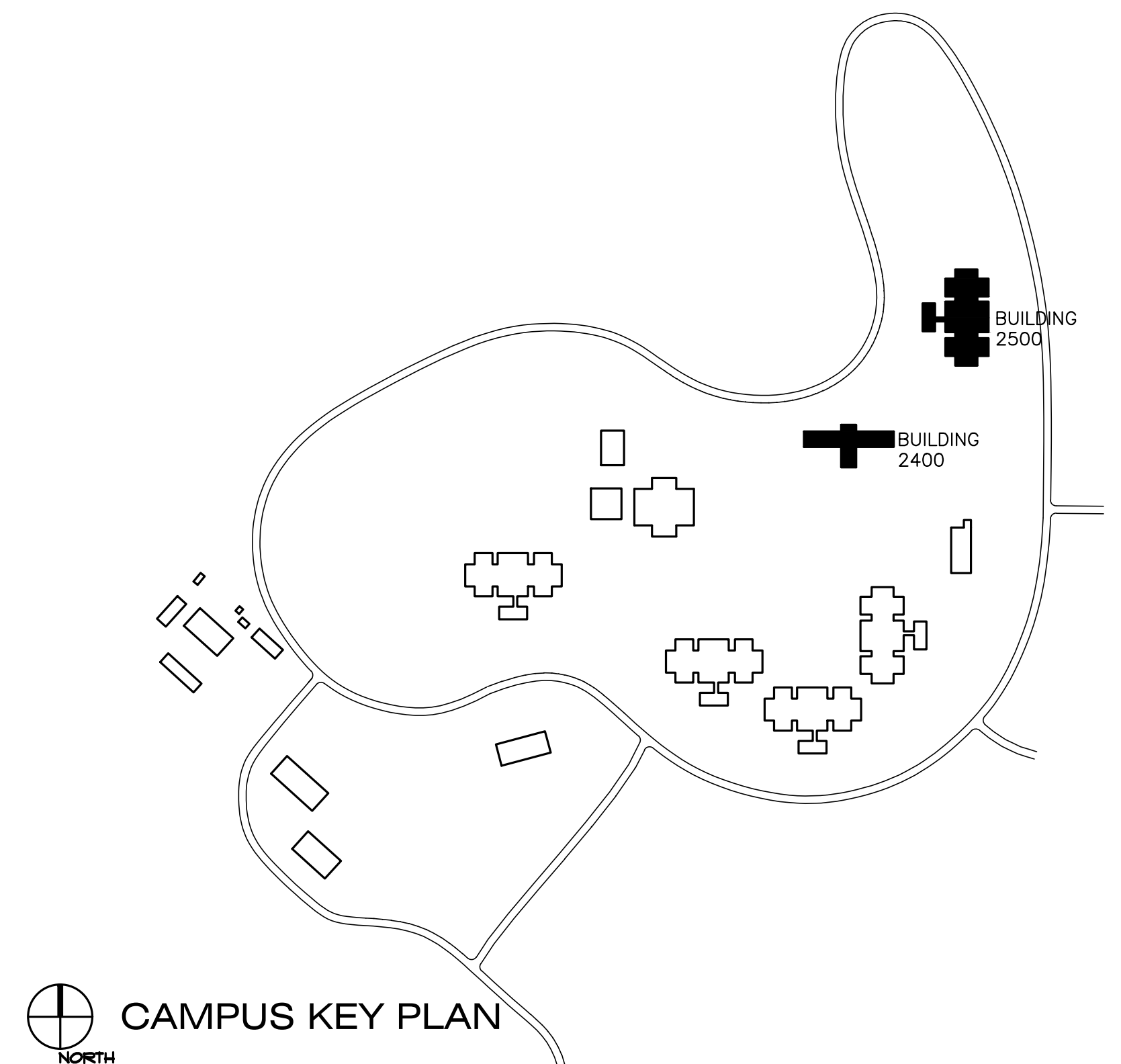
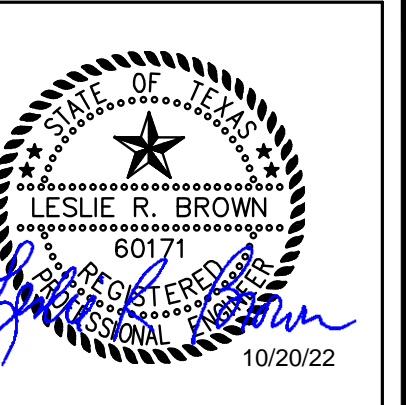
GENERAL NOTES:

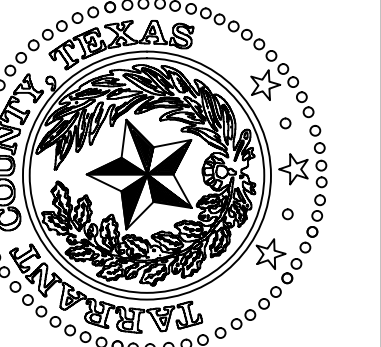
- CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS TO INCLUDE NUMBER OF ZONES PER UNIT.
- REMOVAL OF EACH EXISTING MULTI-ZONE UNIT SHALL NOT BE UNDERTAKEN UNTIL CORRESPONDING NEW REPLACEMENT UNIT IS PRESENT AND READY TO BE INSTALLED.
- EXISTING ROOF TOP MULTI-ZONE UNITS, WHEN REMOVED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE OWNER'S PROPERTY. CONTRACTOR SHALL PROPERLY DISPOSE OF UNITS IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS. PROVIDE COPIES OF ALL WASTE DISPOSAL MANIFESTS AND REFRIGERANT RECOVERY LOSS TO ENGINEER FOR TRANSMITTAL TO THE OWNER.
- DISCONNECT AND PROTECT CONDUCTORS TO EXISTING ROOFTOP UNITS AND PULL BACK TO BELOW CEILING AND CAP FOR FUTURE EXTENSION AND CONNECTION TO NEW ROOFTOP UNITS.



REPLACE ROOFTOP MULTI-ZONE UNITS
TARRANT COUNTY RESOURCE CONNECTION
1100 CIRCLE DRIVE FORT WORTH, TEXAS 76119

DEMOLITION PLANS BUILDINGS 2400 AND 2500		DATE
NO.	DESCRIPTION	DATE





REPLACE ROOFTOP MULTI-ZONE UNITS
TARRANT COUNTY RESOURCE CONNECTION
 1100 CIRCLE DRIVE FORT WORTH, TEXAS 76119

MECHANICAL FLOOR PLANS
AND SCHEDULES BUILDINGS 1100 AND 1200

NO.	DESCRIPTION	DATE



PROJECT NUMBER: 2021.010.045
 DATE: 10/20/22 DRAWN BY: CMW
 DESIGN BY: LRB CHECKED BY: LRB
SHEET
ME-1
 SHEET 3 OF 7 SHEETS TOTAL

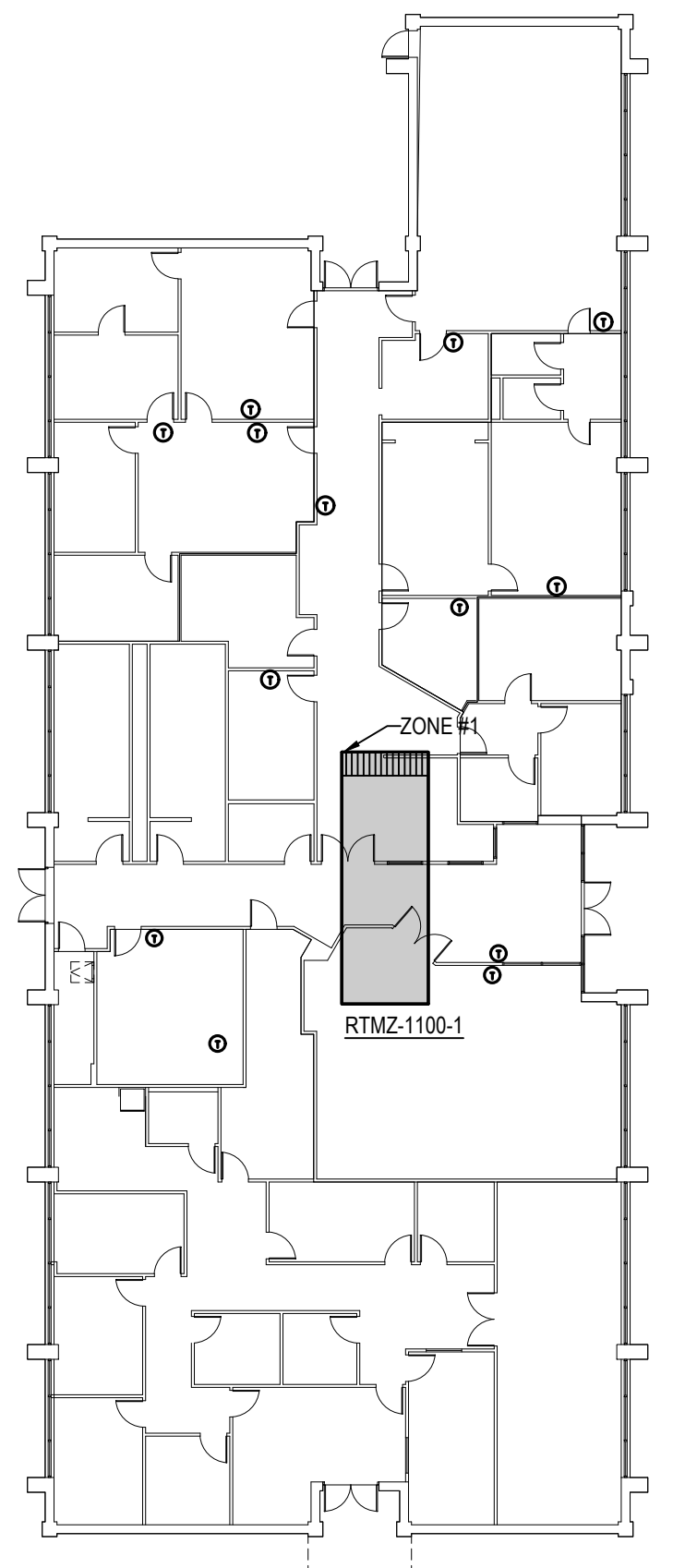
NOTES BY SYMBOL:

- INSTALL NEW ROOFTOP MULTI-ZONE UNIT ON EXISTING ROOF CURB. RECONNECT EXISTING NATURAL GAS SUPPLY PIPING AND CONDENSATE DRAIN TO NEW UNIT PER DETAILS. SEE SHEET ME-5. CONNECT EXISTING INTERIOR DUCT WORK TO NEW ZONE HEAD PROVIDED WITH NEW ROOFTOP MULTI-ZONE UNIT.

GENERAL NOTES:

- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS. NUMBER OF ZONES PER UNIT, DUCT WORK AND UTILITY CONNECTION REQUIREMENTS, ETC.
- ALL OTHER EXISTING EQUIPMENT ON ROOF IS NOT SHOWN. COORDINATE WITH OTHER ROOF MOUNTED EQUIPMENT AS REQUIRED.
- MAKE SPICES BELOW CEILING TO EXISTING RTU FEEDERS. IN PULLBOXES SIZED FOR FEEDER SIZE AND EXTEND NEW CONDUITS AND CONDUCTORS SIZED TO MATCH EXISTING FROM PULLBOX UP THROUGH BASE OF NEW RTU TO NEW INPUT CONNECTION POINT.

HVAC LEGEND	
	EXISTING TO REMAIN
	ITEM TO BE REMOVED
	NEW DUCTWORK
	NEW SUPPLY AIR DIFFUSER
	NEW RETURN AIR GRILLE
	NEW EXHAUST GRILLE
	SIDEWALL GRILLE
	ROUND FLEXIBLE DUCTWORK
	THERMOSTAT (MOUNT 4'-0" ABOVE FLOOR)
	TEMPERATURE SENSOR (MOUNT 4'-0" ABOVE FLOOR)
	VOLUME DAMPER
	MOTORIZED CONTROL DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	FIRE/SMOKE DAMPER
	CONNECT TO EXISTING
	DUCT SMOKE DETECTOR
	INDICATES 12" x 8" INS. DIM. NET (1ST FIGURE = SIDE SHOWN, 2ND FIGURE = SIDE NOT SHOWN)
	DIFFUSER OR GRILLE DESIGNATION
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	HEATING WATER SUPPLY
	HEATING WATER RETURN
	CONDENSATE DRAIN
	EXISTING



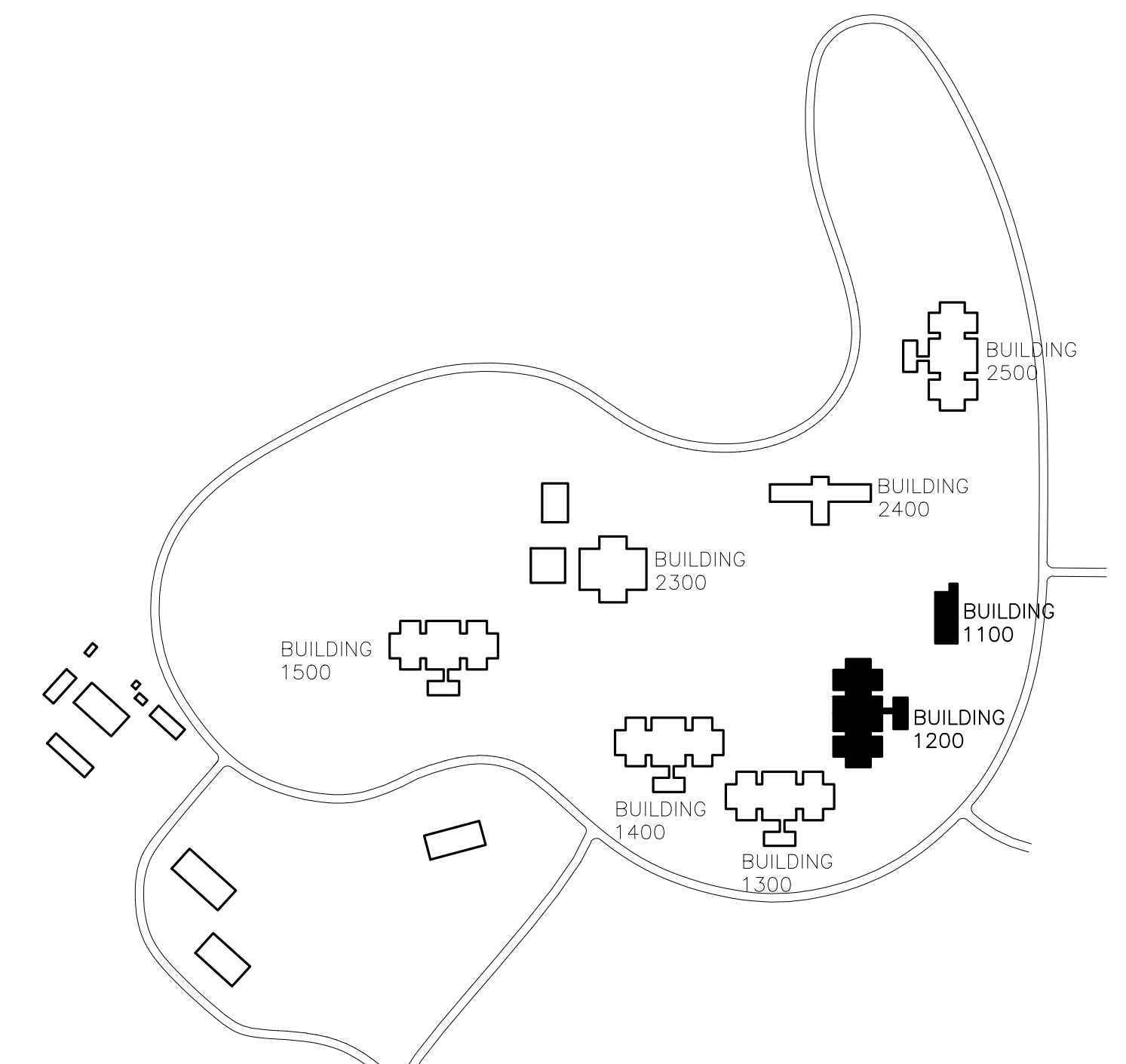
1 BUILDING 1100 FLOOR PLAN
 SCALE: 1" = 20'-0"



2 BUILDING 1200 FLOOR PLAN
 SCALE: 1" = 20'-0"

ROOFTOP MULTI-ZONE UNIT SCHEDULE																			
UNIT NO.	NUMBER OF ZONES	SUPPLY CFM	O.A. CFM	EXT. S.P. (IN. OF WTR.)	COOLING			GAS HEATING		ELECTRICAL				MIN. EER	CUSTOM AIR PRODS & SVCS MODEL NUMBER	TEMTRON MODEL NUMBER	CUSTOM MECHANICAL EQUIP MODEL NUMBER	EXISTING UNIT MAMMOTH DHEBFFC-	
					TOTAL MBH	SEN MBH	E.A.T. (Db (°F) / Vb (°F))	INPUT MBH	OUTPUT MBH	UNIT MCA	MOCPP	VOLTS	PHASE						
RTMZ-1100-1	17	10,490	2,850	0.5	464	371	86.3 / 68.8	105	600	480	206	240	208	3	9.8	RPKD-40TD0N480MG-FES-P2-AA1-E	RMZ-ITF-40TDX-480GS-3-24R-FW	PMZ3-40YG21-XX	414X-G480-L415-MZ17
RTMZ-1200-1	16	10,300	2,850	0.5	464	371	86.3 / 68.8	105	600	480	206	240	208	3	9.8	RPKD-40TD0N480MG-FES-P2-AA1-E	RMZ-ITF-40TDX-480GS-3-24R-FW	PMZ3-35YG21-XX	414X-G480-L415-MZ16
RTMZ-1200-2	18	13,030	1,940	0.5	464	371	86.3 / 68.8	105	600	480	206	240	208	3	9.8	RPKD-40TD0N480MG-FES-P2-AA1-E	RMZ-ITF-40TDX-480GS-3-24R-FW	PMZ3-40YG21-XX	414X-G480-L415-MZ18
RTMZ-1200-3	16	10,620	2,850	0.5	464	371	87.9 / 68.4	105	600	480	206	240	208	3	9.8	RPKD-40TD0N480MG-FES-P2-AA1-E	RMZ-ITF-30TDX-400GS-3-24R-FW	PMZ3-35YG21-XX	414X-G480-L415-MZ16
RTMZ-1200-4	9	6,350	2,850	0.5	338	274	91.1 / 71.3	105	500	400	160	187	208	3	9.8	RPKD-30TD0N400MG-FES-P2-AA1-E	RMZ-ITF-30TDX-400GS-3-24R-FW	PMZ3-25YG21-XX	284X-G400-L415-MZ9

ROOFTOP MULTI-ZONE UNIT AIR BALANCE REQUIREMENT SCHEDULE																		
UNIT NO.	ZONE NUMBER																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
CFM																		
RTMZ-1100-1	690	650	930	890	680	450	410	350	320	400	370	810	350	480	990	880	1,010	N/A
RTMZ-1200-1	915	1,150	310	375	375	400	895	780	870	410	725	420	420	1,150	350	725	N/A	N/A
RTMZ-1200-2	550	590	430	430	700	775	1,675	1,785	330	330	1,485	1,615	725	805	430	430	230	550
RTMZ-1200-3	640	530	1,140	350	450	480	280	870	780	860	830	450	410	400	1,040	860	N/A	N/A
RTMZ-1200-4	640	930	390	80	220	450	1,330	750	1,070	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



CAMPUS KEY PLAN



REPLACE ROOFTOP MULTI-ZONE UNITS
TARRANT COUNTY RESOURCE CONNECTION
 1100 CIRCLE DRIVE FORT WORTH, TEXAS 76119

NO.	DESCRIPTION	DATE



1 BUILDING 1300 FLOOR PLAN
 SCALE: 1" = 20'-0"



2 BUILDING 1400 FLOOR PLAN
 SCALE: 1" = 20'-0"

ROOFTOP MULTI-ZONE UNIT SCHEDULE

UNIT NO.	NUMBER OF ZONES	SUPPLY CFM	O.A. CFM	EXT. S.P. (IN. OF WTR.)	COOLING				GAS HEATING		ELECTRICAL				MIN. EER	CUSTOM AIR PRODS & SVCS MODEL NUMBER	TEMP. CONTROL MODEL NUMBER	CUSTOM MECHANICAL EQUIP MODEL NUMBER	EXISTING UNIT MAKE/MODEL/DHEB/PC	
					TOTAL MBH	SEN. MBH	E.A.T.		INPUT MBH	OUTPUT MBH	UNIT MCA	MOCP	VOLTS	PHASE						
							DB (°F)	WB (°F)												AMBIENT TEMP. (°F)
RTMZ-1300-1	16	10,300	2,850	0.5	464	371	86.3	68.8	105	600	480	206	240	208	3	9.8	RPKD-40TDONN480MG-FE5-P2-AA1-E	RMZ-ITF-40TDX-480GS-3-24R-FW	PMZ3-35YG21-XX	414X-G480-L415-MZ16
RTMZ-1300-2	16	10,300	2,850	0.5	464	371	86.3	68.4	105	600	480	206	240	208	3	9.8	RPKD-40TDONN480MG-FE5-P2-AA1-E	RMZ-ITF-40TDX-480GS-3-24R-FW	PMZ3-40YG21-XX	414X-G480-L415-MZ18
RTMZ-1300-3	16	10,300	2,850	0.5	464	371	86.3	68.8	105	600	480	206	240	208	3	9.8	RPKD-40TDONN480MG-FE5-P2-AA1-E	RMZ-ITF-40TDX-480GS-3-24R-FW	PMZ3-35YG21-XX	414X-G480-L415-MZ16
RTMZ-1300-4	9	6,350	2,850	0.5	338	274	91.1	71.3	105	500	400	160	187	208	3	9.8	RPKD-30TDONN400MG-FE5-P2-AA1-E	RMZ-ITF-40TDX-480GS-3-24R-FW	PMZ3-25YG21-XX	284X-G400-L415-MZ9
RTMZ-1400-1	16	10,300	2,850	0.5	464	371	86.3	68.8	105	600	480	206	240	208	3	9.8	RPKD-40TDONN480MG-FE5-P2-AA1-E	RMZ-ITF-40TDX-480GS-3-24R-FW	PMZ3-35YG21-XX	414X-G480-L415-MZ16
RTMZ-1400-2	18	13,030	2,850	0.5	464	371	86.3	68.4	105	600	480	206	240	208	3	9.8	RPKD-40TDONN480MG-FE5-P2-AA1-E	RMZ-ITF-40TDX-480GS-3-24R-FW	PMZ3-40YG21-XX	414X-G480-L415-MZ18
RTMZ-1400-3	16	10,300	2,850	0.5	464	371	86.3	68.8	105	600	480	206	240	208	3	9.8	RPKD-40TDONN480MG-FE5-P2-AA1-E	RMZ-ITF-40TDX-480GS-3-24R-FW	PMZ3-35YG21-XX	414X-G480-L415-MZ16
RTMZ-1400-4	9	6,350	2,850	0.5	338	274	91.1	71.3	105	500	400	160	187	208	3	9.8	RPKD-30TDONN400MG-FE5-P2-AA1-E	RMZ-ITF-40TDX-480GS-3-24R-FW	PMZ3-25YG21-XX	284X-G400-L415-MZ9

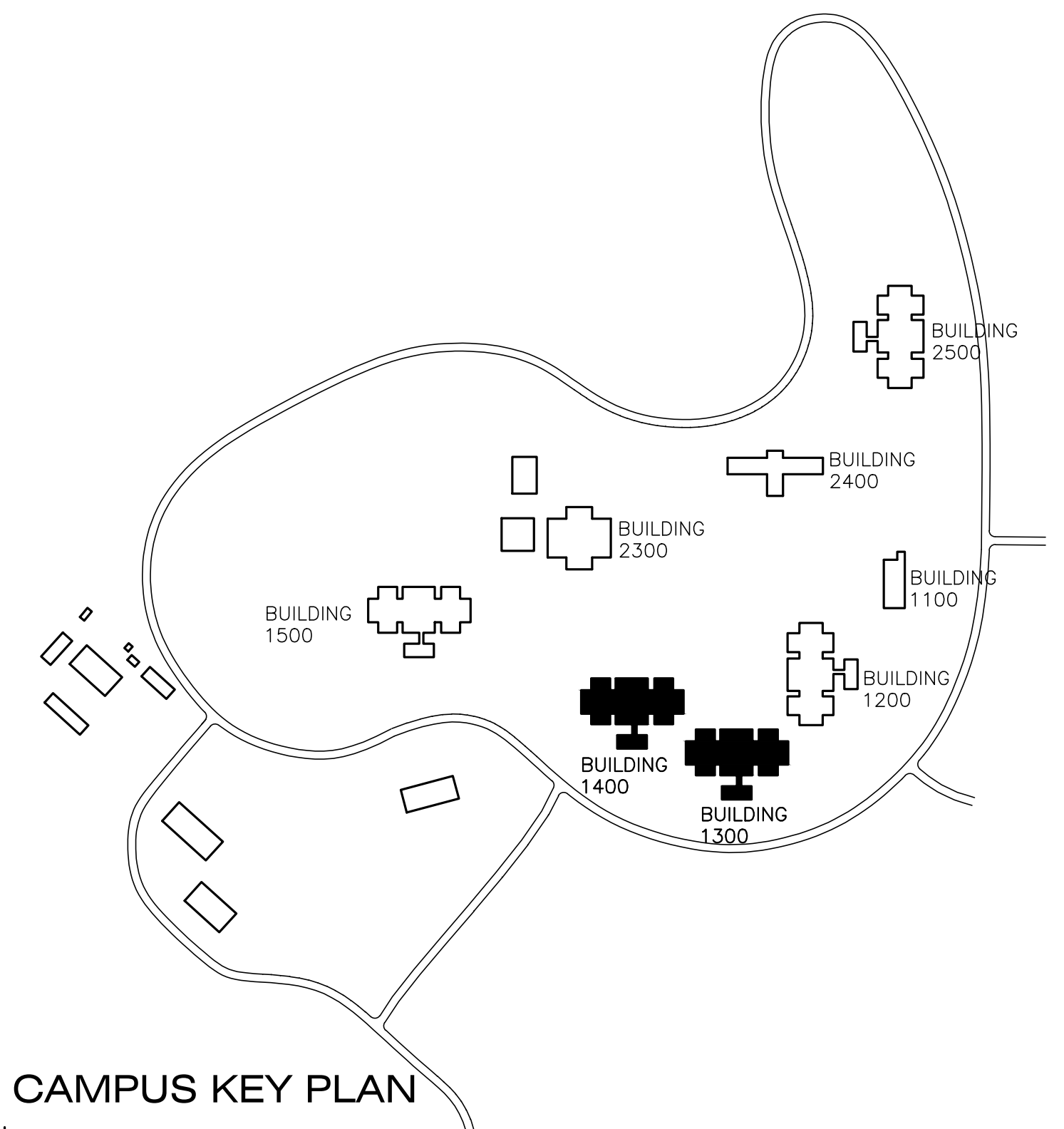
NOTES:

- EXT. STATIC PRESSURE (S.P.) INCLUDES DUCTWORK, DAMPERS, GRILLES AND FILTERS.
- UNITS SHALL BE COMPATIBLE TO FIT DIRECTLY ON EXISTING ROOF CURB.
- CONTROLS SHALL BE BY RELIABLE CONTROLS, INSTALLED BY ENVIRONMENTAL SYSTEMS.
- PROVIDE EACH UNIT WITH FULL ECONOMIZER CYCLE DAMPERS AND CONTROLS.
- UNIT SHALL BE PROVIDED WITH FACTORY MOUNTED POWERED CONVENIENCE OUTLET.
- PROVIDE UNIT MANUFACTURER'S STANDARD METAL HAILGUARDS ON ALL UNITS.
- UNIT SHALL INCLUDE RETURN AIR FAN.
- UNIT SHALL BE RATED AND LABELED FOR 22K SCQR.
- PROVIDE UV-C LIGHT COVERAGE AT COOLING COIL. MINIMUM 20 WATTS/SF.
- PROVIDE MERV 13 FILTERS.

ROOFTOP MULTI-ZONE UNIT AIR BALANCE REQUIREMENT SCHEDULE

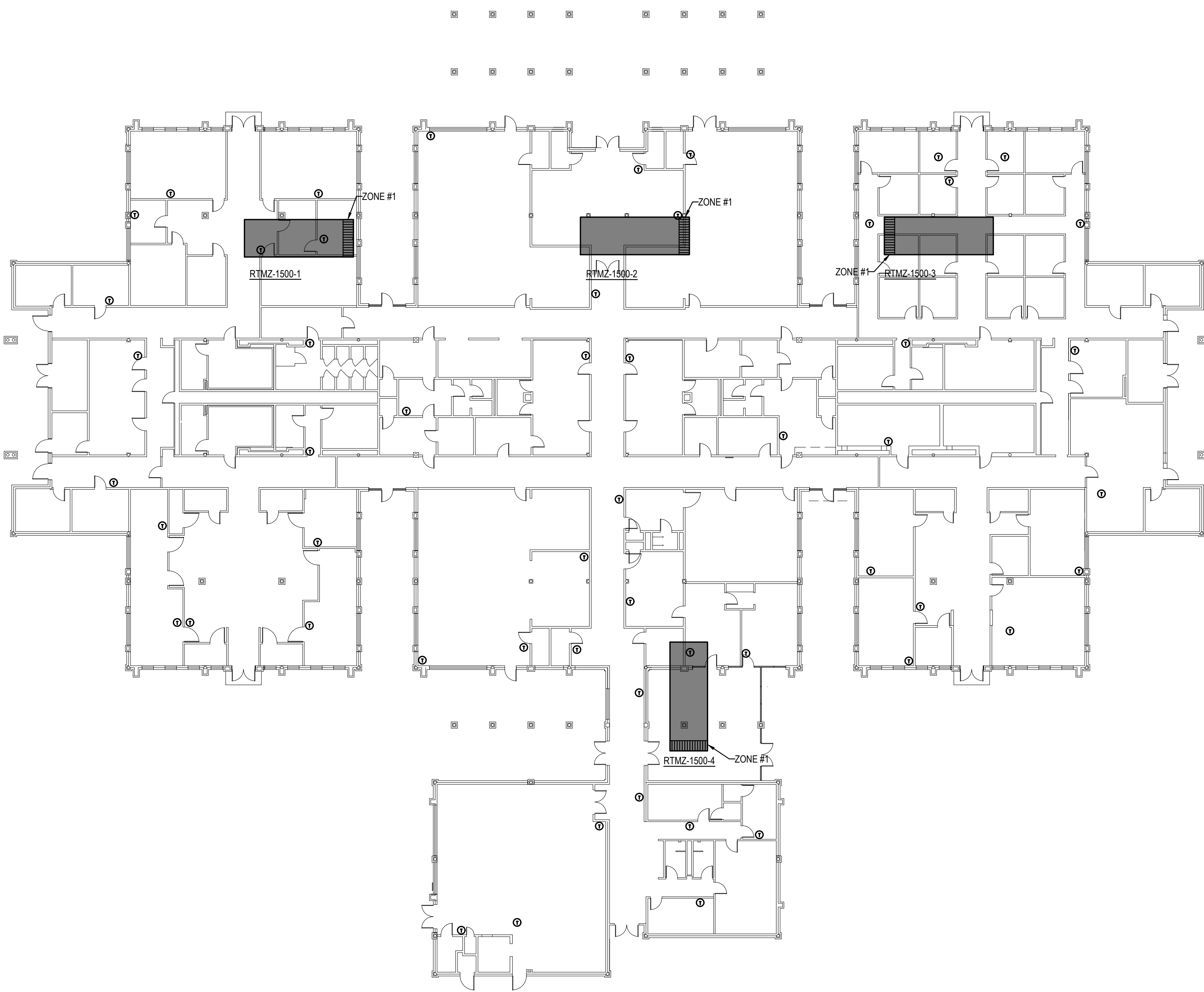
UNIT NO.	ZONE NUMBER																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	CFM																	
RTMZ-1300-1	880	310	1,150	575	545	650	400	870	780	410	690	545	575	1,150	310	920	N/A	N/A
RTMZ-1300-2	550	590	430	430	700	775	1,470	1,475	330	330	1,475	1,475	725	805	430	430	230	550
RTMZ-1300-3	640	410	1,150	510	570	640	410	780	870	830	810	530	620	1,150	400	810	N/A	N/A
RTMZ-1300-4	650	810	360	80	200	610	1,330	750	1,460	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RTMZ-1400-1	880	310	1,150	575	545	650	400	870	780	410	690	545	575	1,150	310	920	N/A	N/A
RTMZ-1400-2	550	590	430	430	700	775	1,470	1,475	330	330	1,475	1,475	725	805	430	430	230	550
RTMZ-1400-3	640	410	1,150	510	570	640	410	780	870	830	810	530	620	1,150	400	810	N/A	N/A
RTMZ-1400-4	650	810	360	80	200	610	1,330	750	1,460	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

NOTES:

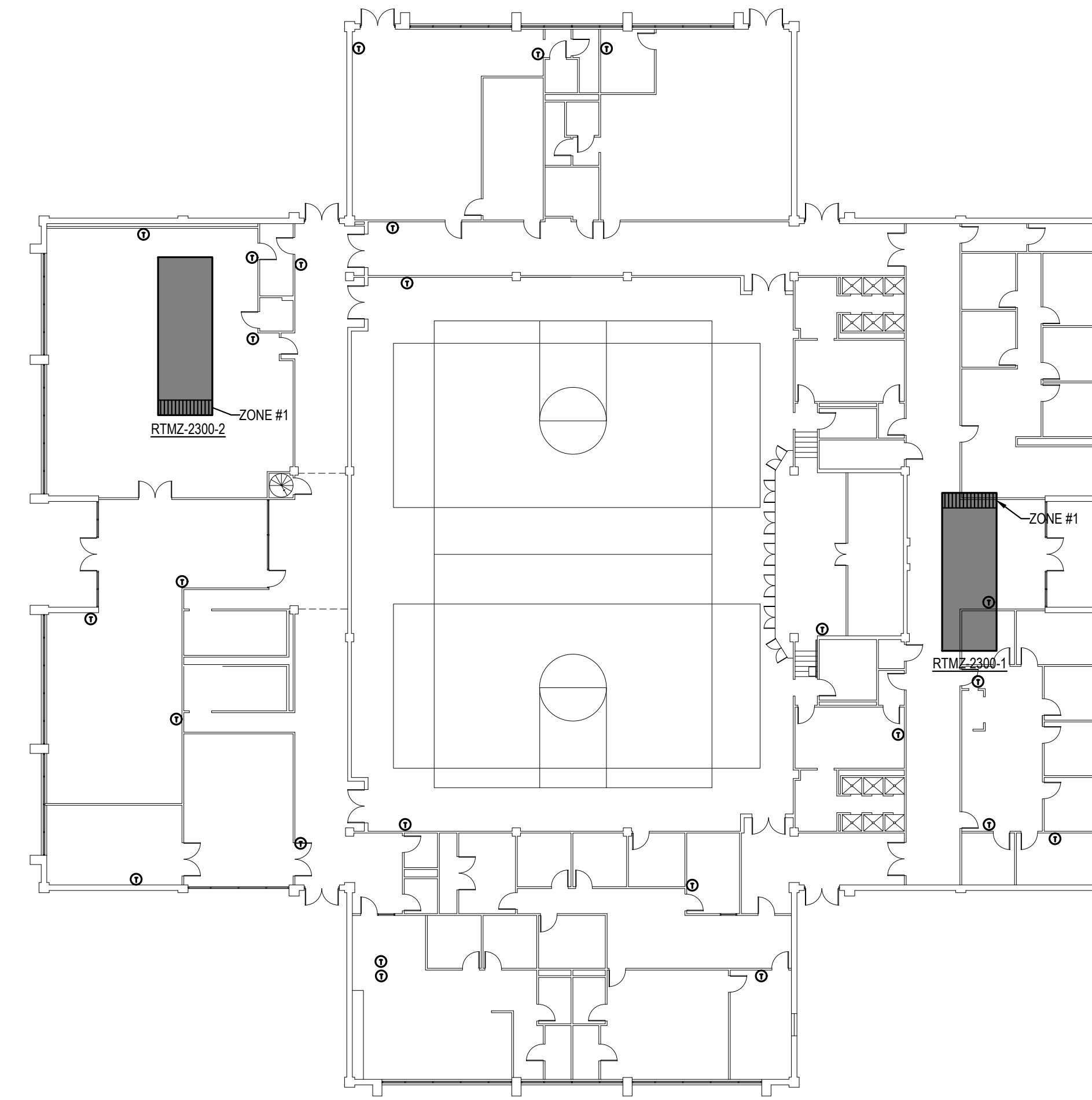


CAMPUS KEY PLAN

9/9/2022 10:47AM E:\2021\000\0002\010\Doc - Tarrant County Projects\2021\010\045 - Resource Conn MW RTMZ\01 Design & Drafting\06 Mech\ME-2.dwg ME-2



1 BUILDING 1500 FLOOR PLAN
SCALE: 1" = 20'-0"



2 BUILDING 2300 FLOOR PLAN
SCALE: 1" = 20'-0"

NOTES BY SYMBOL: RTMZ

- INSTALL NEW ROOFTOP MULTI-ZONE UNIT ON EXISTING ROOF CURB. RECONNECT EXISTING NATURAL GAS SUPPLY PIPING AND CONDENSATE DRAIN TO NEW UNIT PER DETAILS, SEE SHEET ME-5. CONNECT EXISTING INTERIOR DUCT WORK TO NEW ZONE HEAD PROVIDED WITH NEW ROOFTOP MULTI-ZONE UNIT.

GENERAL NOTES:

- CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS, NUMBER OF ZONES PER UNIT, DUCT WORK AND UTILITY CONNECTION REQUIREMENTS, ETC.
- ALL EXISTING CONDITIONS ON ROOF ARE NOT SHOWN OR INDICATED.

SHEET NOTES:

- REFER TO SHEET ME-1 FOR HVAC LEGEND.
- MAKE SPLICES BELOW CEILING TO EXISTING RTU FEEDERS IN PULLBOXES SIZED FOR FEEDER SIZE AND EXTEND NEW CONDUITS AND CONDUCTORS SIZED TO MATCH EXISTING FROM PULLBOX UP THROUGH BASE OF NEW RTU TO NEW INPUT CONNECTION POINT.

ROOFTOP MULTI-ZONE UNIT SCHEDULE

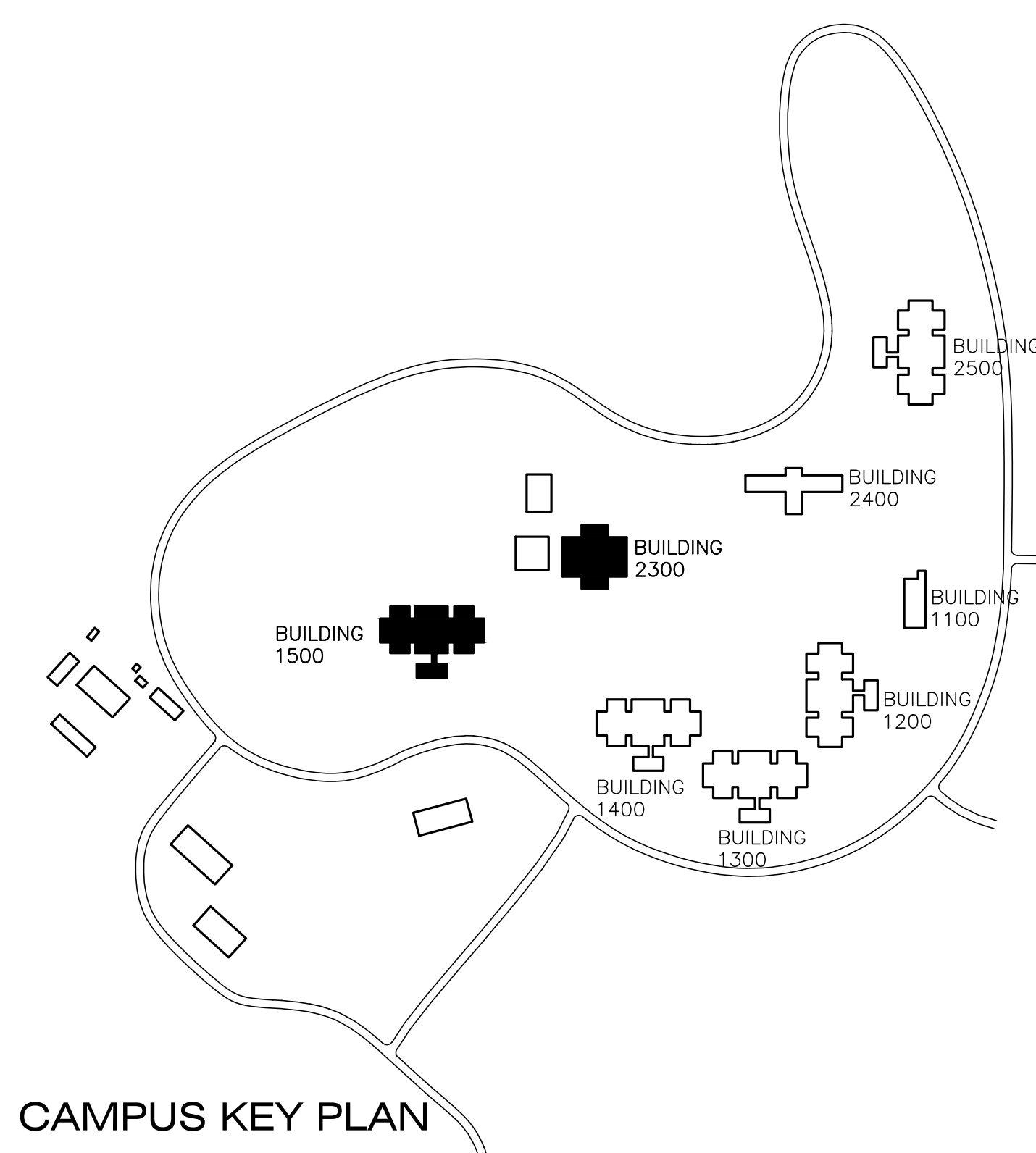
UNIT NO.	NUMBER OF ZONES	SUPPLY CFM	O.A. CFM	EXT. S.P. (IN. OF WTR)	COOLING				GAS HEATING		ELECTRICAL				MIN. EER	CUSTOM AIR PRODS & SVCS MODEL NUMBER	TEMPROL MODEL NUMBER	CUSTOM MECHANICAL EQUIP MODEL NUMBER	EXISTING UNIT M/M/M/M/O/H/D/E/B/F/P/C	
					TOTAL MBH	SEN. MBH	E.A.T. Db (°F) Vdb (°F)	AMBIENT TEMP (°F)	INPUT MBH	OUTPUT MBH	UNIT MCA	MOCPS	VOLTS	PHASE						
RTMZ-1500-1	16	10,300	2,850	0.5	464	371	88.3	68.8	105	600	480	206	240	208	3	9.8	RPKD-40TD0NN489MG-FE5-P2-AA1-E	RMZ-ITF-40TDX480GS-3-24R-FW	PMZ3-30YG21-XX	414X-G480-L415-MZ16
RTMZ-1500-2	18	13,030	2,850	0.5	464	371	88.3	68.4	105	600	480	206	240	208	3	9.8	RPKD-40TD0NN489MG-FE5-P2-AA1-E	RMZ-ITF-40TDX480GS-3-24R-FW	PMZ3-40YG21-XX	502X-G480-L415-MZ18
RTMZ-1500-3	16	10,300	2,850	0.5	464	371	88.3	68.8	105	600	480	206	240	208	3	9.8	RPKD-40TD0NN489MG-FE5-P2-AA1-E	RMZ-ITF-40TDX480GS-3-24R-FW	PMZ3-30YG21-XX	344X-G480-L415-MZ16
RTMZ-1500-4	9	6,350	2,850	0.5	338	274	91.1	71.3	105	500	400	180	187	208	3	9.8	RPKD-40TD0NN489MG-FE5-P2-AA1-E	RMZ-ITF-30TDX480GS-3-24R-FW	PMZ3-20YG21-XX	284X-G400-L415-MZ9
RTMZ-2300-1	8	8,050	2,850	0.5	464	371	81.1	68.5	105	500	400	206	240	208	3	9.8	RPKD-40TD0NN489MG-FE5-P2-AA1-E	RMZ-ITF-40TDX480GS-3-24R-FW	PMZ3-20YG21-XX	284X-G400-L415-MZ9
RTMZ-2300-2	10	7,010	2,850	0.5	338	274	88.3	68.8	105	600	480	180	187	208	3	9.8	RPKD-40TD0NN489MG-FE5-P2-AA1-E	RMZ-ITF-30TDX480GS-3-24R-FW	PMZ3-30YG21-XX	284X-G400-L415-MZ9

- NOTES:**
- EXT. STATIC PRESSURE (S.P.) INCLUDES DUCTWORK, DAMPERS, GRILLES AND FILTERS.
 - UNITS SHALL BE COMPATIBLE TO FIT DIRECTLY ON EXISTING ROOF CURB.
 - CONTROLS SHALL BE BY RELIABLE CONTROLS, INSTALLED BY ENVIRONMENTAL SYSTEMS.
 - PROVIDE EACH UNIT WITH FULL ECONOMIZER CYCLE DAMPERS AND CONTROLS.
 - UNIT SHALL BE PROVIDED WITH FACTORY MOUNTED POWERED CONVENIENCE OUTLET.
 - PROVIDE UNIT MANUFACTURER'S STANDARD METAL HAIL GUARDS ON ALL UNITS.
 - UNIT SHALL INCLUDE RETURN AIR FAN.
 - UNIT SHALL BE RATED AND LABELED FOR 22K SCQR.
 - PROVIDE UV-C LIGHT COVERAGE AT COOLING COIL. MINIMUM 20 WATTS/SF.
 - PROVIDE MERV 13 FILTERS.

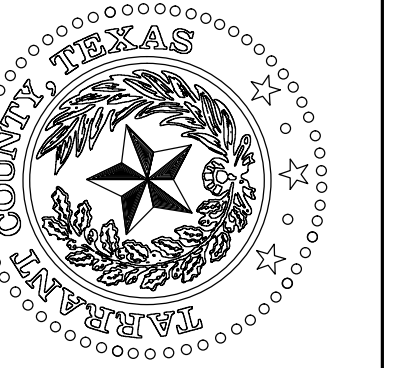
ROOFTOP MULTI-ZONE UNIT AIR BALANCE REQUIREMENT SCHEDULE

UNIT NO.	ZONE NUMBER																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	CFM																	
RTMZ-1500-1	880	310	1,150	575	545	650	400	870	780	410	890	545	575	1,150	310	920	N/A	N/A
RTMZ-1500-2	550	590	430	430	700	775	1,470	1,475	330	330	1,475	1,475	725	805	430	430	230	550
RTMZ-1500-3	640	410	1,150	510	570	640	410	780	870	830	810	530	620	1,150	400	810	N/A	N/A
RTMZ-1500-4	650	810	360	80	200	610	1,330	750	1,460	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RTMZ-2300-1	1,310	1,510	1,570	780	490	640	1,050	770	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RTMZ-2300-2	1,230	580	170	850	800	890	920	1,130	350	360	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

NOTES:

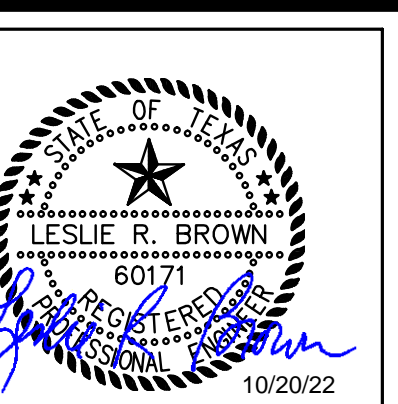


CAMPUS KEY PLAN



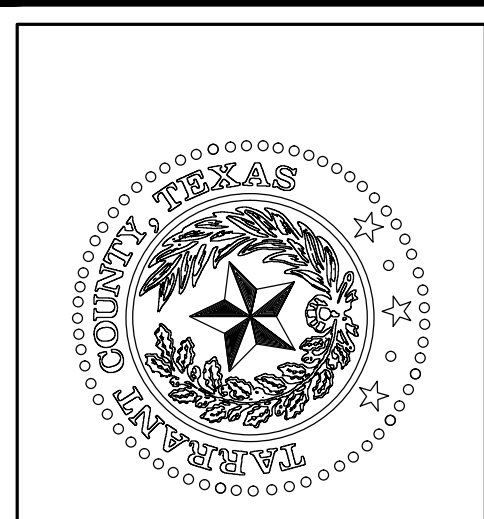
REPLACE ROOFTOP MULTI-ZONE UNITS
TARRANT COUNTY RESOURCE CONNECTION
1100 CIRCLE DRIVE FORT WORTH, TEXAS 76119

NO.	DESCRIPTION	DATE



PROJECT NUMBER: 2021.010.045
DATE: 10/20/22 DRAWN BY: CMW
DESIGN BY: LRB CHECKED BY: LRB

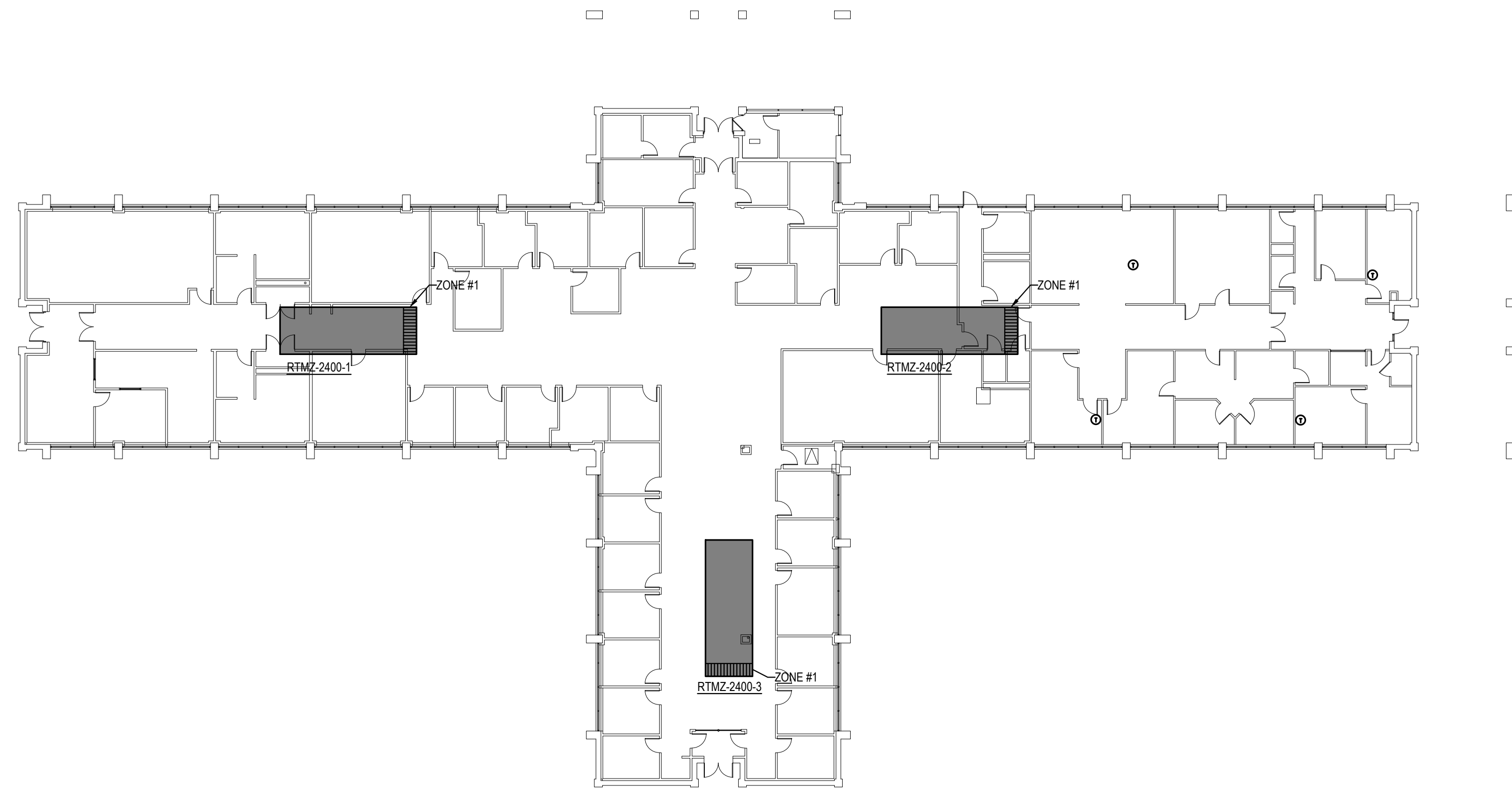
SHEET
ME-3
SHEET 5 OF 7 SHEETS TOTAL



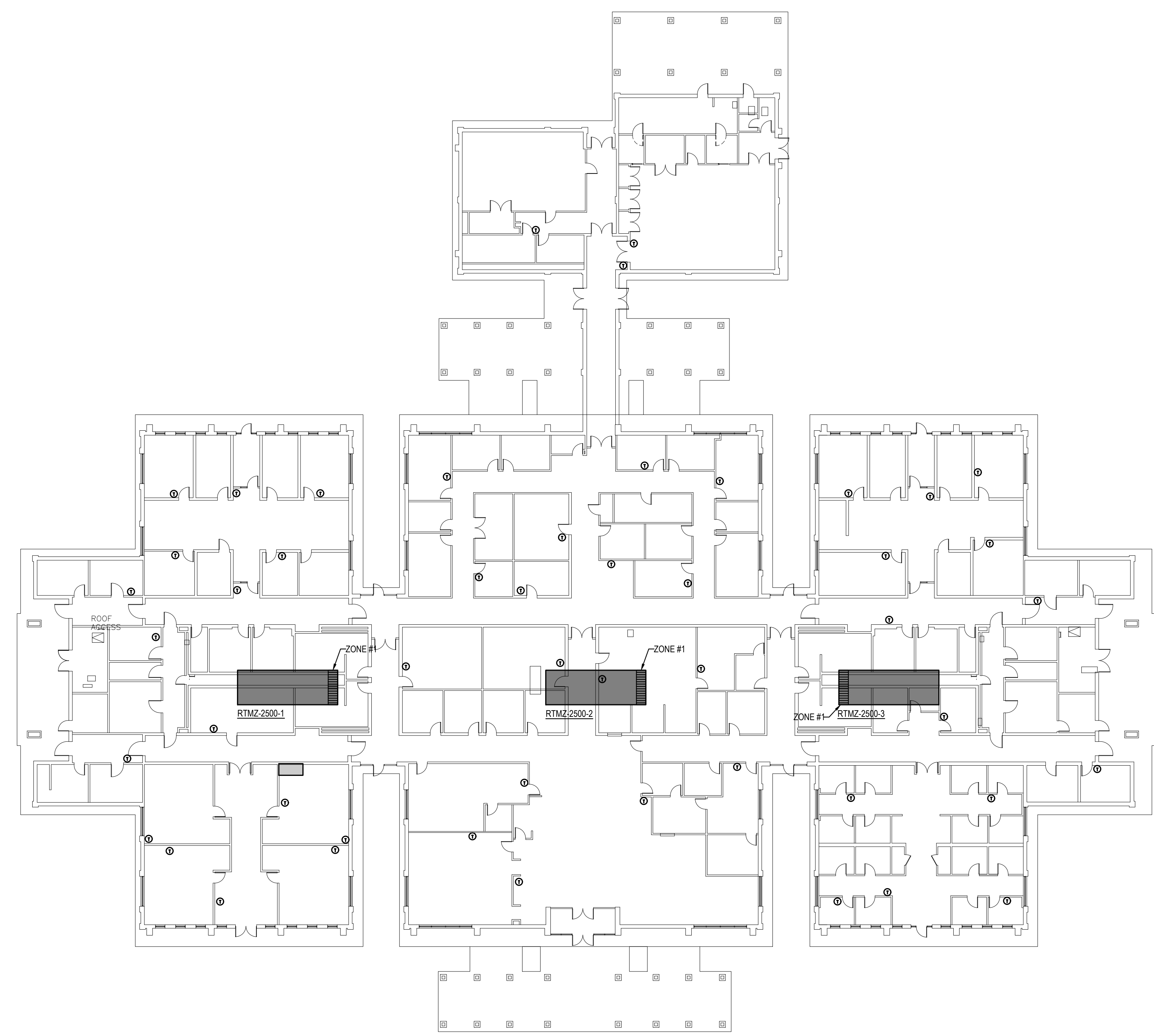
REPLACE ROOFTOP MULTI-ZONE UNITS
TARRANT COUNTY RESOURCE CONNECTION
 1100 CIRCLE DRIVE FORT WORTH, TEXAS 76119

MECHANICAL FLOOR PLANS AND SCHEDULES BUILDINGS 2400 AND 2500

NO.	DESCRIPTION	DATE



1 BUILDING 2400 FLOOR PLAN
 SCALE: 1" = 20'-0"



2 BUILDING 2500 FLOOR PLAN
 SCALE: 1" = 20'-0"

ROOFTOP MULTI-ZONE UNIT SCHEDULE

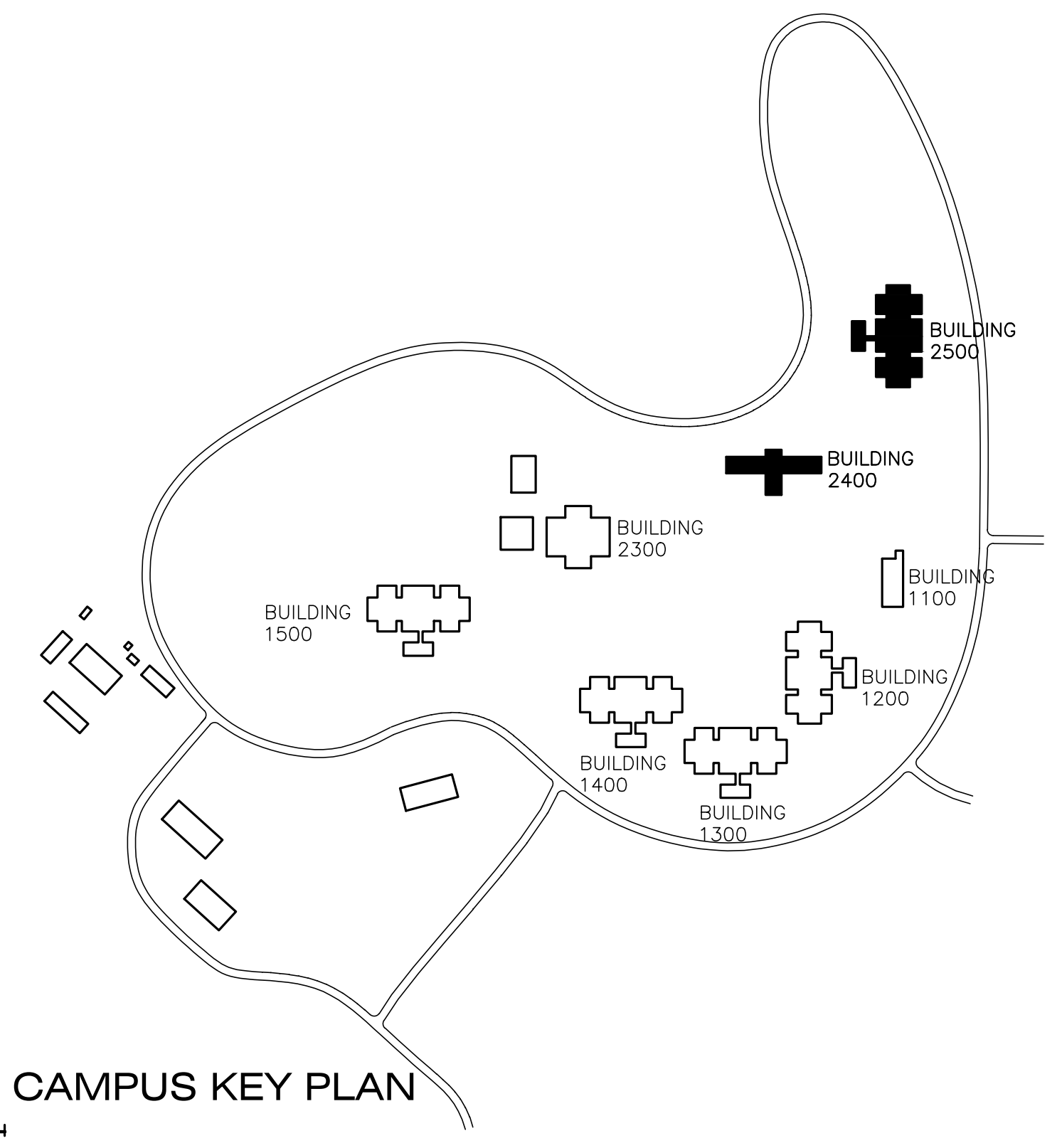
UNIT NO.	NUMBER OF ZONES	SUPPLY CFM	O.A. CFM	EXT. S.P. (IN. OF WTR.)	COOLING				GAS HEATING			ELECTRICAL				MIN. EER	CUSTOM AIR PRODS & SVCS MODEL NUMBER	TEMP. CONTROL MODEL NUMBER	CUSTOM MECHANICAL EQUIP MODEL NUMBER	EXISTING UNIT I/M/M/OTH D/S/E/R/G
					TOTAL MBH	SEN MBH	E.A.T. Db (°F)	E.A.T. Wb (°F)	AMBIENT TEMP (°F)	INPUT MBH	OUTPUT MBH	UNIT MCA	MCCP	VOLTS	PHASE					
RTMZ-2400-1	14	9,160	1,940	0.5	464	371	86.3	68.8	105	600	480	208	240	208	3	9.8	RPHD-40TD0N4480MG-FE5-P2-A41-E	RNZ-TF-40TDX480SS-3-24R-FW	PNZ3-25YQ21-XX	284X-G480-L4154Z14
RTMZ-2400-2	17	8,550	2,850	0.5	464	371	86.3	68.4	105	600	480	208	240	208	3	9.8	RPHD-40TD0N4480MG-FE5-P2-A41-E	RNZ-TF-40TDX480SS-3-24R-FW	PNZ3-20YQ21-XX	344X-G480-L4154Z17
RTMZ-2400-3	6	4,290	2,650	0.5	338	274	87.8	68.5	105	500	400	128.8	175	208	3	9.8	RPHD-30TD0N4480MG-FE5-P2-A41-E	RNZ-TF-30TDX480SS-3-24R-FW	PNZ3-25YQ21-XX	152X-G480-L4154Z28
RTMZ-2500-1	16	10,320	2,850	0.5	464	371	86.3	68.8	105	600	480	208	240	208	3	9.8	RPHD-40TD0N4480MG-FE5-P2-A41-E	RNZ-TF-40TDX480SS-3-24R-FW	PNZ3-30YQ21-XX	414X-G480-L4154Z16
RTMZ-2500-2	18	14,370	1,940	0.5	464	371	86.3	68.4	105	600	480	208	240	208	3	9.8	RPHD-40TD0N4480MG-FE5-P2-A41-E	RNZ-TF-40TDX480SS-3-24R-FW	PNZ3-40YQ21-XX	502X-G480-L4154Z18
RTMZ-2500-3	16	10,320	2,850	0.5	464	371	87.8	68.5	105	600	480	208	240	208	3	9.8	RPHD-40TD0N4480MG-FE5-P2-A41-E	RNZ-TF-40TDX480SS-3-24R-FW	PNZ3-35YQ21-XX	344X-G480-L4154Z18

- NOTES:**
- EXT. STATIC PRESSURE (S.P.) INCLUDES DUCTWORK, DAMPERS, GRILLES AND FILTERS.
 - UNITS SHALL BE COMPATIBLE TO FIT DIRECTLY ON EXISTING ROOF CURB.
 - CONTROLS SHALL BE BY RELIABLE CONTROLS, INSTALLED BY ENVROMATIC SYSTEMS.
 - PROVIDE EACH UNIT WITH FULL ECONOMIZER CYCLE DAMPERS AND CONTROLS.
 - UNIT SHALL BE PROVIDED WITH FACTORY MOUNTED POWERED CONVENIENCE OUTLET.
 - PROVIDE UNIT MANUFACTURER'S STANDARD METAL HALLGUARDS ON ALL UNITS.
 - UNIT SHALL INCLUDE RETURN AIR FAN.
 - UNIT SHALL BE RATED AND LABELED FOR 22K SCCR.
 - PROVIDE UV-C LIGHT COVERAGE AT COOLING COIL. MINIMUM 20 WATTS/SF.
 - PROVIDE MERV 13 FILTERS.

ROOFTOP MULTI-ZONE UNIT AIR BALANCE REQUIREMENT SCHEDULE

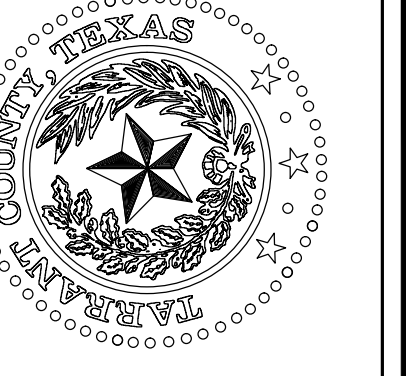
UNIT NO.	ZONE NUMBER																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	CFM																	
RTMZ-2400-1	470	470	1,155	910	720	470	580	630	580	320	510	510	975	510	N/A	N/A	N/A	N/A
RTMZ-2400-2	300	500	340	520	910	410	520	640	510	520	440	550	390	510	385	500	230	N/A
RTMZ-2400-3	540	400	265	355	370	1,745	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RTMZ-2500-1	915	1,150	310	375	375	400	895	780	870	410	725	420	420	1,150	350	725	N/A	N/A
RTMZ-2500-2	550	590	430	430	700	775	1,470	1,475	330	330	1,475	1,475	725	805	430	430	230	550
RTMZ-2500-3	725	1,080	350	425	425	430	725	750	870	420	690	595	595	1,480	310	690	N/A	N/A

- NOTES:**



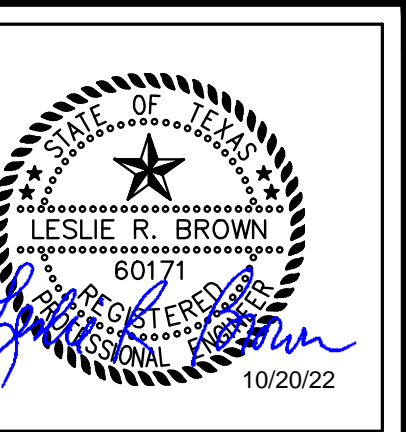
CAMPUS KEY PLAN

9/9/2022 11:00AM E:\021.010.doc - Tarrant County Project\021.010.045 - Resource Conn MW RTJ\001 Design & Drafting\06 Mech\ME-4.dwg ME-4



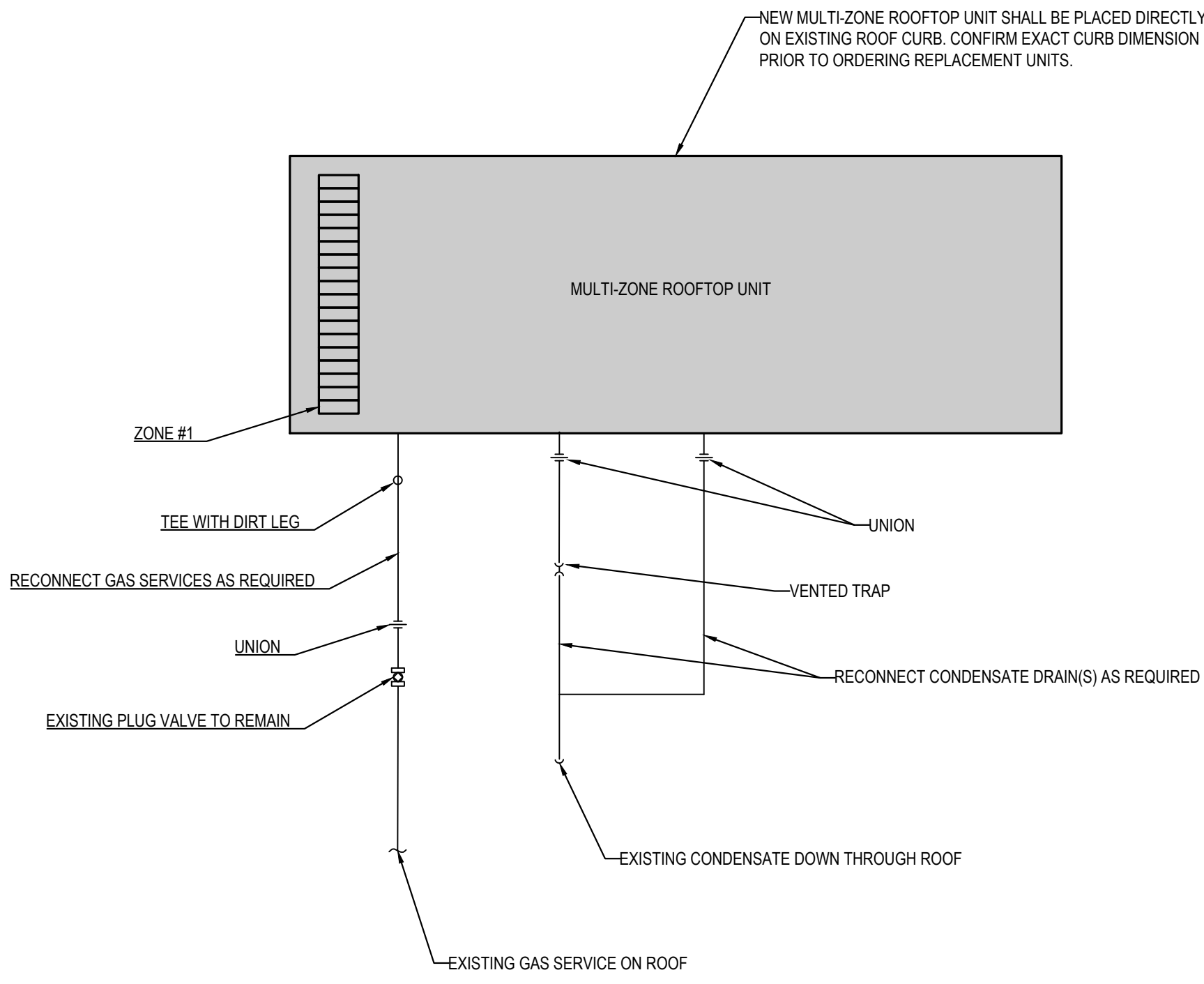
REPLACE ROOFTOP MULTI-ZONE UNITS
TARRANT COUNTY RESOURCE CONNECTION
 1100 CIRCLE DRIVE FORT WORTH, TEXAS 76119

MECHANICAL DETAILS		DATE
NO.	DESCRIPTION	

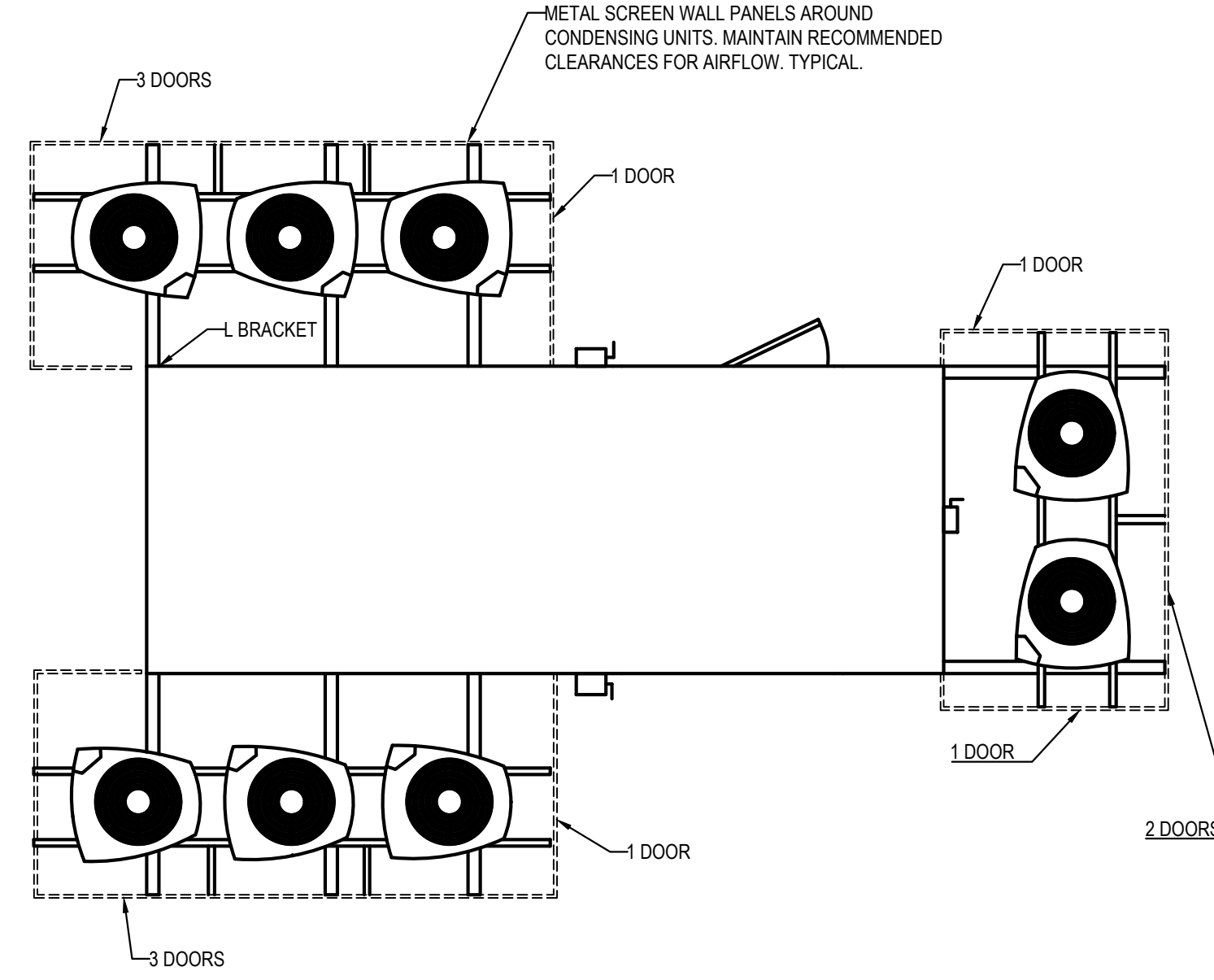


PROJECT NUMBER: 2021.010.045
 DATE: 10/20/22 DRAWN BY: CMW
 DESIGN BY: LRB CHECKED BY: LRB

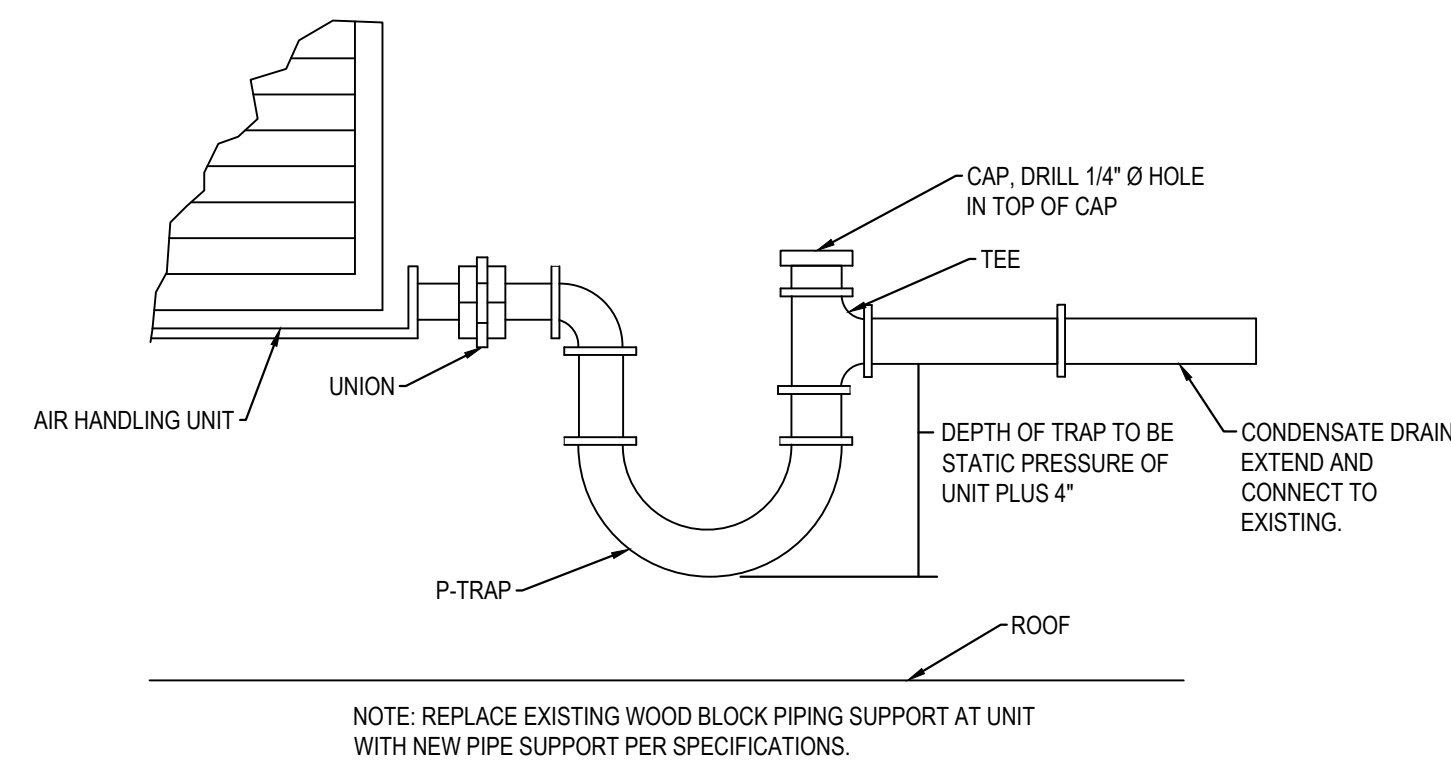
SHEET
ME-5
 SHEET 7 OF 7 SHEETS TOTAL



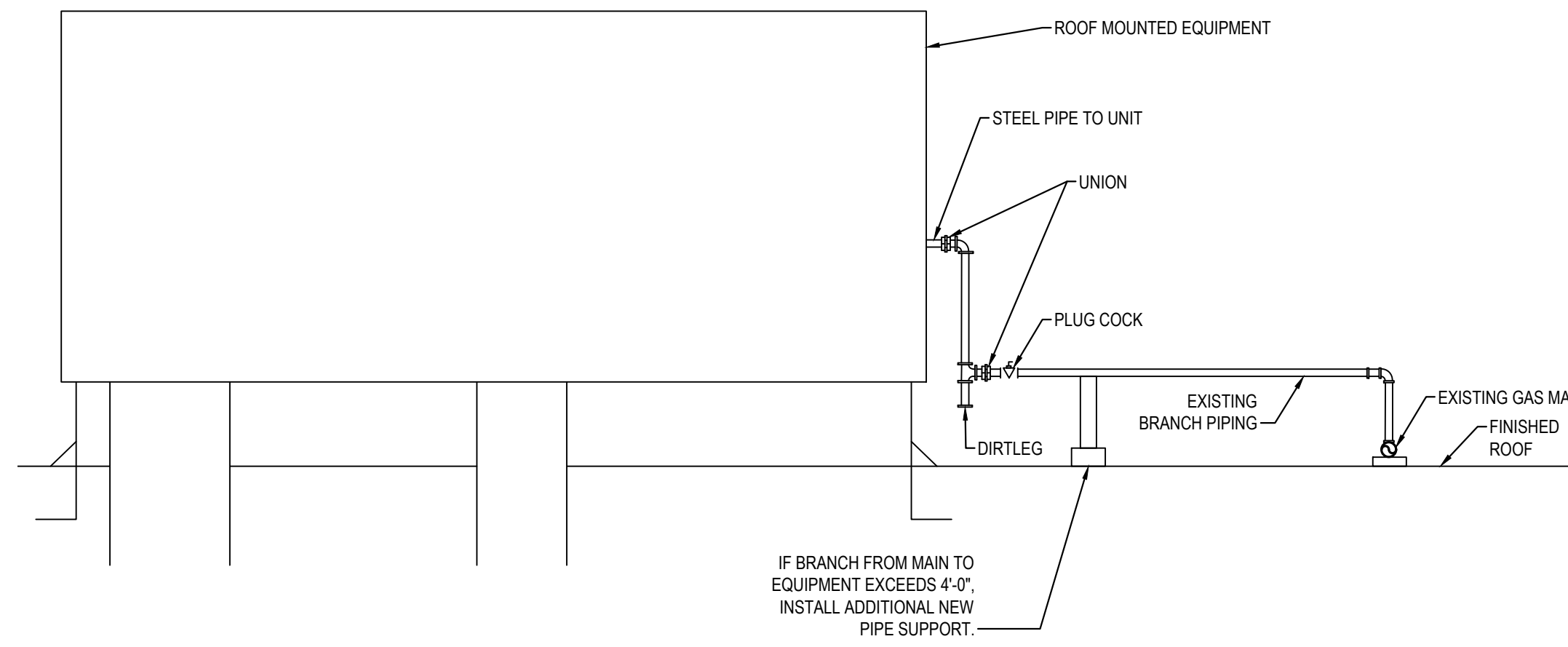
1 MULTI-ZONE ROOFTOP UNIT TYPICAL DETAIL
 ME-5 SCALE: 1" = 12"



2 SCREENING FOR ROOFTOP UNITS WITH ATTACHED CONDENSING UNITS (ALTERNATE NO. 2)
 ME-5 NOT TO SCALE



3 CONDENSATE TRAP DETAIL
 ME-5 NOT TO SCALE



4 GAS CONNECTION TO ROOF MOUNTED EQUIPMENT
 ME-5 NOT TO SCALE