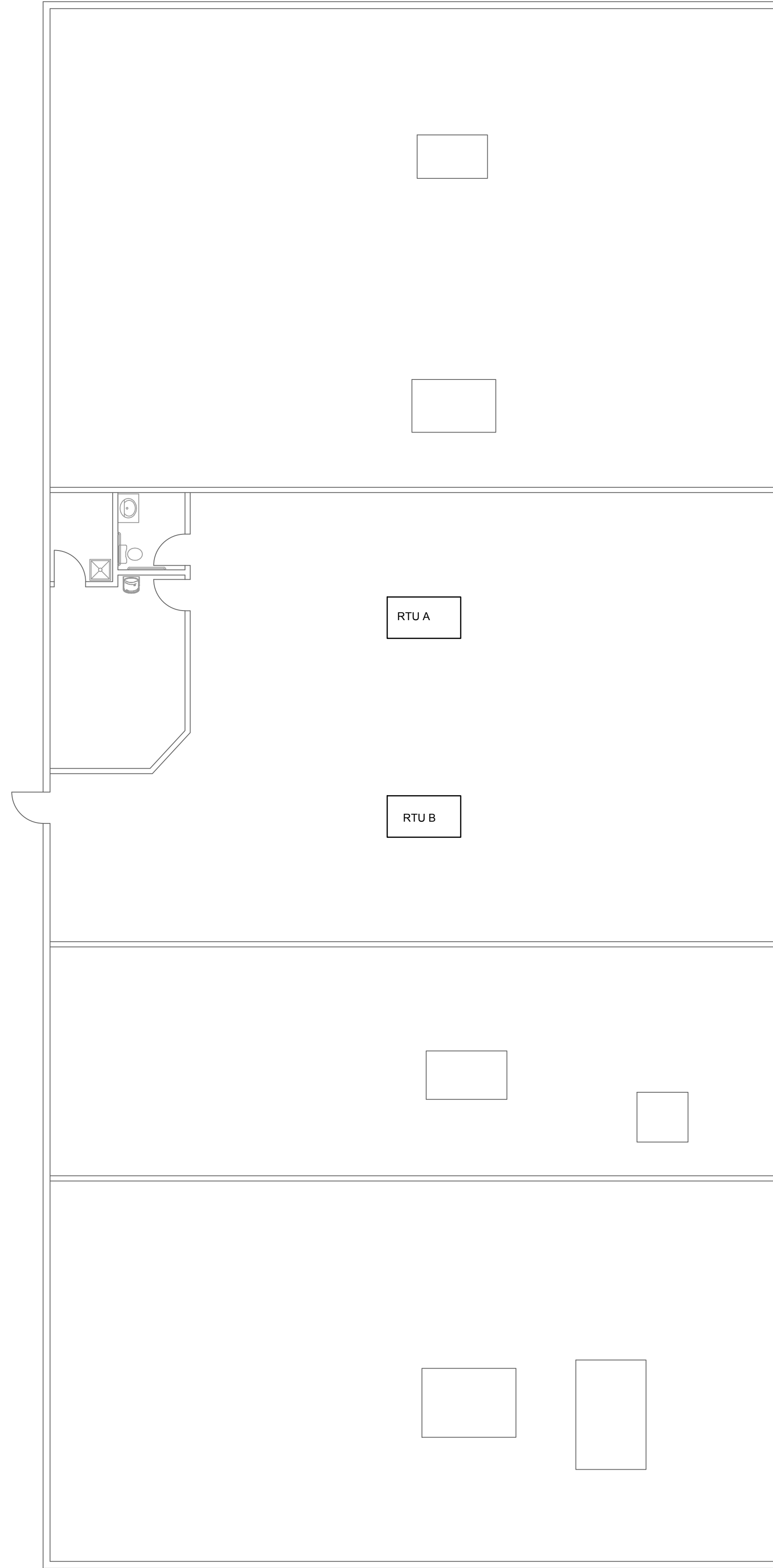


2

DUCT WORK PLAN

SCALE: 1/4" = 1'-0"
RE: ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS



1

MECHANICAL PLAN

SCALE: 1/8" = 1'-0"
RE: ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS

PROJECT INFORMATION

LANDLORD'S WORK
1041 NE SAM WALTON LANE
LEE'S SUMMIT, MISSOURI

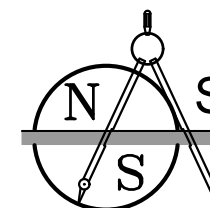
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SHEET TITLE

MECHANICAL
PLAN

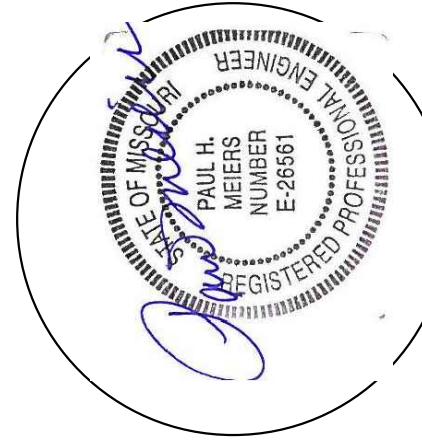


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M1

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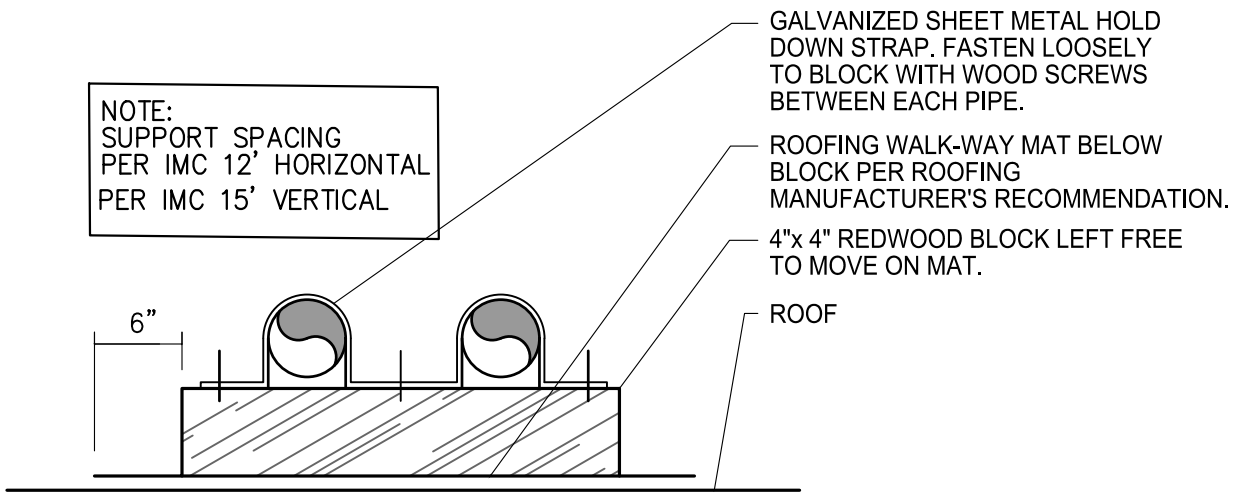
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MECHANICAL NOTES

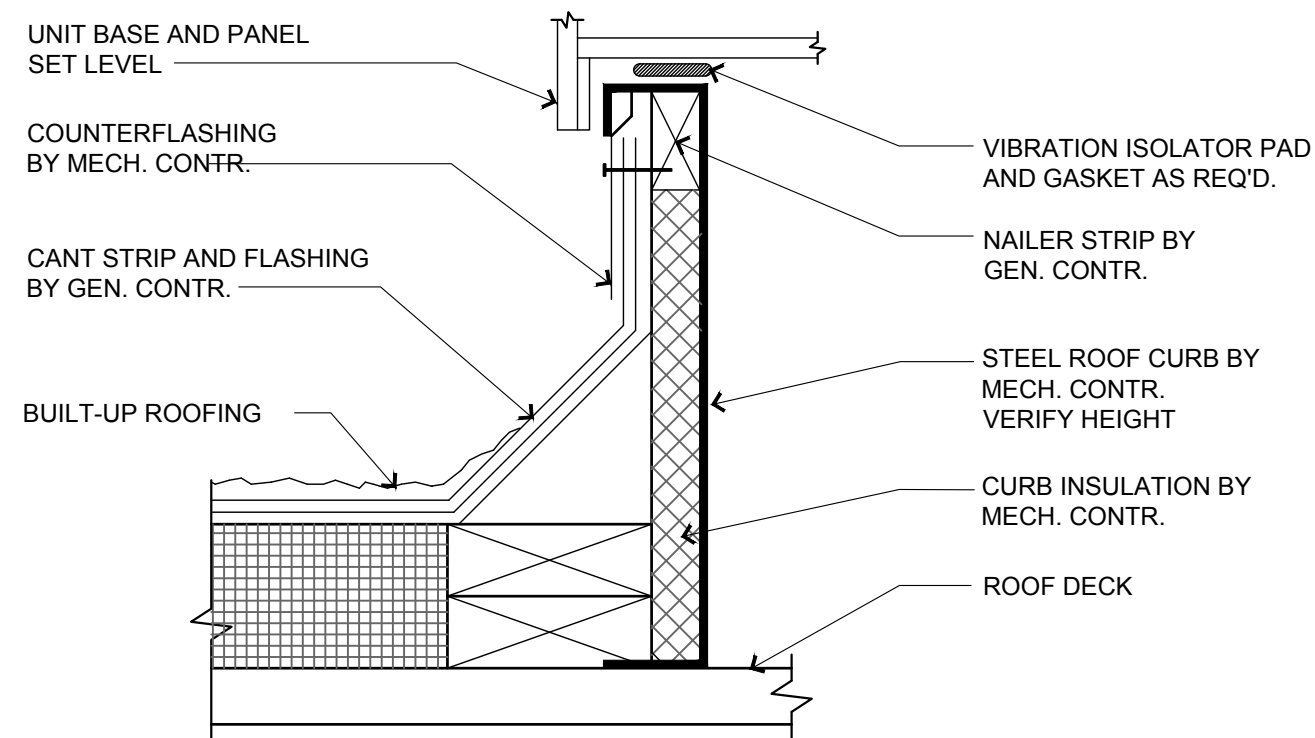
- 1. ALL WORK PER 2018 INTERNATIONAL MECHANICAL CODE.
- 2. VERIFY CLEARANCES IN ALL AREAS.
- 3. DUCT INSTALLATION TO BE STUB OUTS AS INDICATED ON M2
- 4. ALL CONTROLS TO BE MANUFACTURED STANDARD DEVICES ELECTRIC/ELECTRONIC. ALL CONTROL WIRING BY ELECTRICAL CONTRACTOR.
- 5. IF POSSIBLE, M.C. TO REUSE EXISTING RTU ROOF CURB FOR RTU-A .
- 6. NEW RTU ROOF CURB AND ROOF REPAIR FOR RTU-B.
- 7. NEW RTU'S SHALL BE MINIMUM 14 SEER.

REQUIRED AIR FLOWS FROM IMC			
BASIS	SF	SUPPLY	CFM
ASSUME 38 PEOPLE		38x7.5/PER.	290
NET OCCUP. SALES AREA	2585	.12 CFM/SF	310
TOTAL REQUIRED O.A.			600
SUPPLIED BY RTU			640

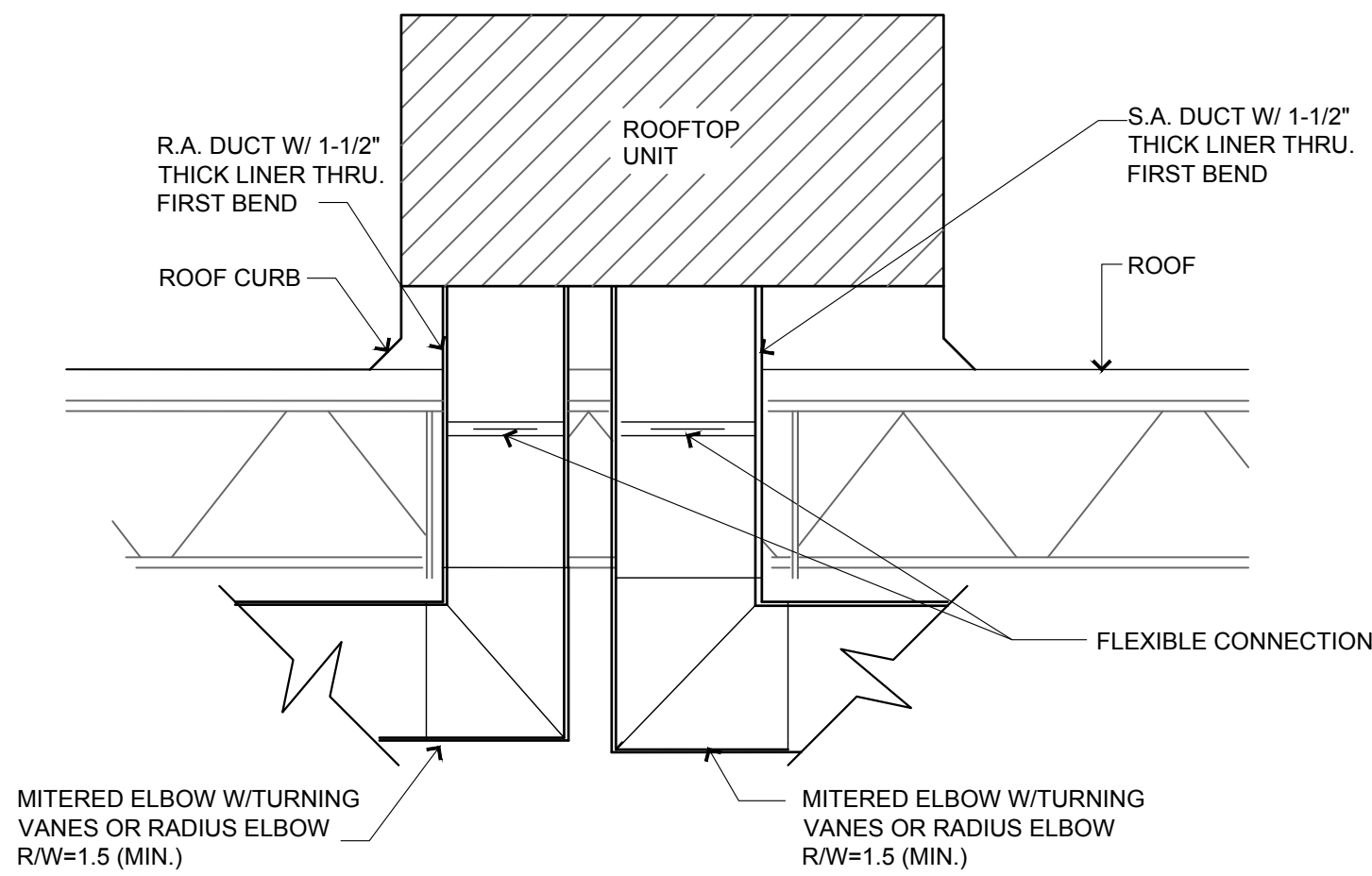
SINGLE PACKAGE AIR CONDITIONING UNIT SCHEDULE									
MARK	MANUF	MODEL NO	TYPE	TOTAL kBTUH	SENSIBLE kBTUH	CFM	HEAT kBTU	FRSH AIR CFM	
RTU A	*	4-TON RTU	RTU	50	17.4	1600	85	245	@ 100 F DB 75F WB
RTU B	*	4-TON RTU	RTU	50	17.4	1600	85	245	@ 100 F DB 75F WB
<div><div><div>1. M.C TO ADJUST RTU FOR PERFORMANCE REQUIRED PER SCHEDULE.</div><div>2. * CARRIER, TRANE, OR EQUAL</div><div>3. ECONOMIZER</div><div>4. MINIMUM SEER 14.0</div></div><div><div>5. SMOKE DETECTORS ON RETURNS.</div><div>6. ELECTRONIC THERMOSTATS</div></div></div>									



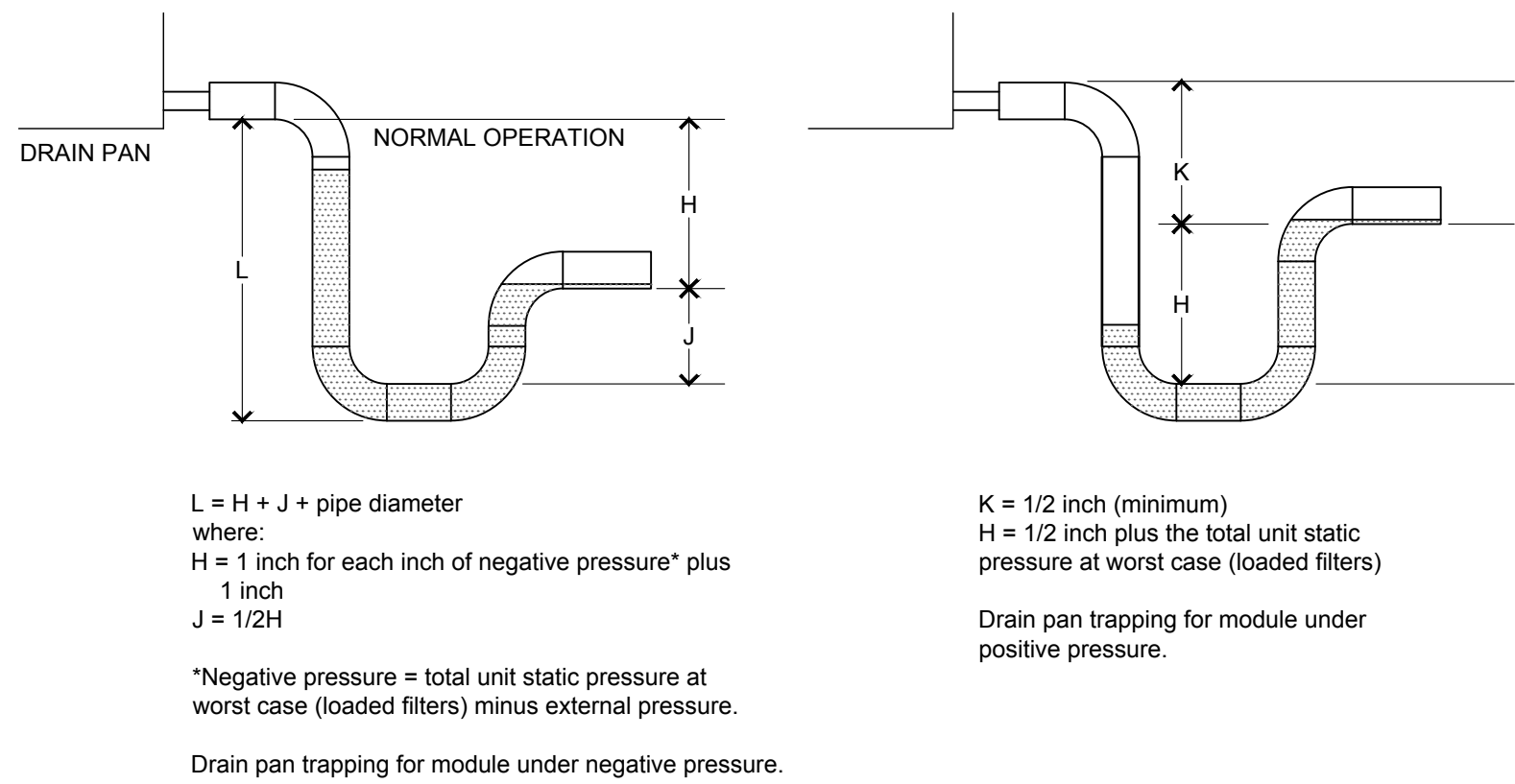
PIPE SUPPORT DETAIL
SCALE: NTS



ROOFTOP UNIT CURB
SCALE: NTS



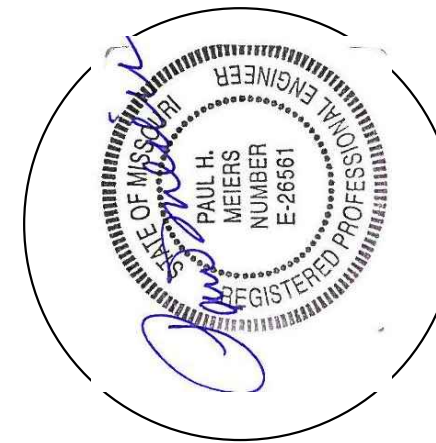
RTU MOUNTING DETAIL
SCALE: NTS



FAN COIL UNIT CONDENSATE TRAP
SCALE: NTS

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PROJECT INFORMATION

LANDLORD'S WORK
1041 NE SAM WALTON LANE
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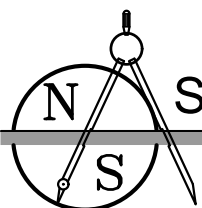
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MECHANICAL
NOTES &
SCHEDULES



SHEET NUMBER

M2

ELECTRICAL PLAN NOTES

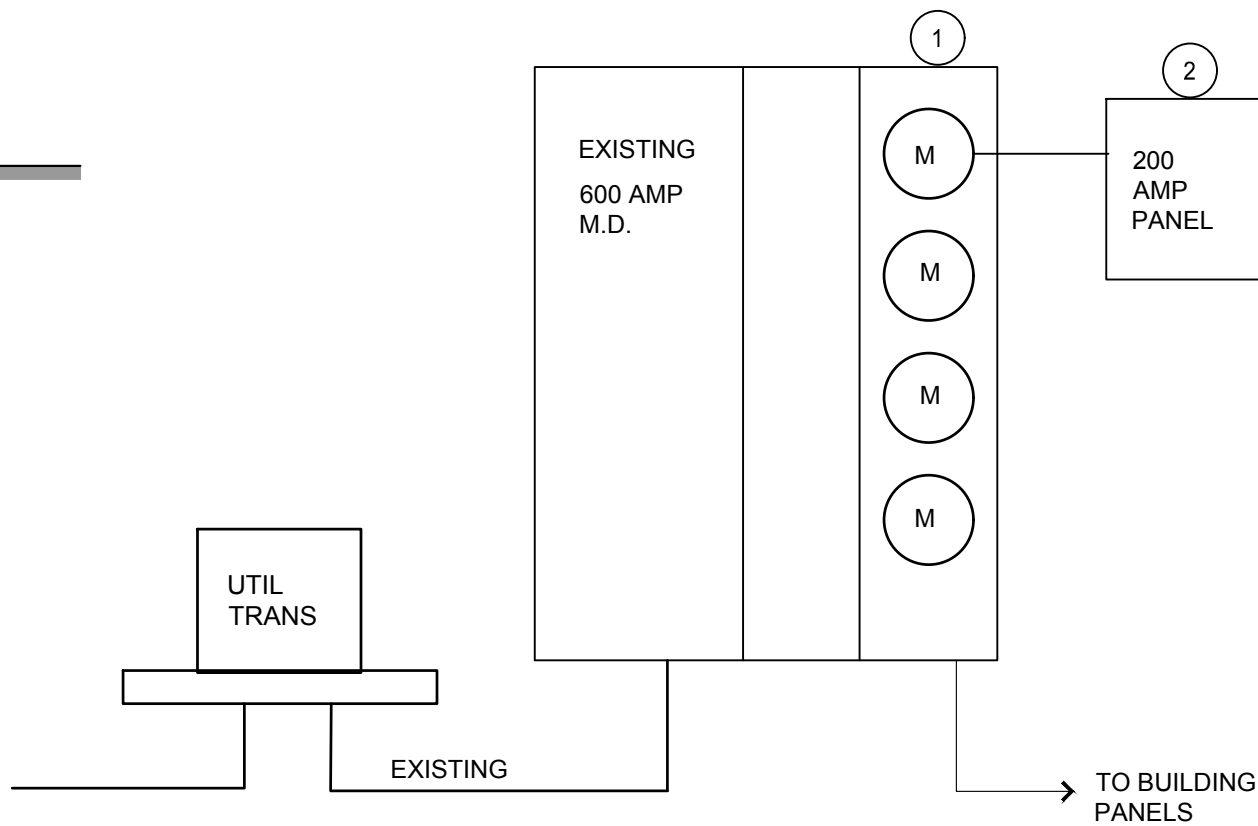
- USE EXISTING PANEL BOARDS AND CIRCUITS AS MUCH AS POSSIBLE. COORDINATE WITH OWNER.
- ALL ELECTRICAL WORK TO BE IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE.
- MINIMUM WIRE SIZE SHALL BE #12 COPPER WITH THHN INSL. WET LOCATIONS SHALL BE THWN. BRANCH CIRCUITS SHALL BE WITH 3-M SCOTCHLOK OR T&B "STA-KON" OR EQUAL.
- ALL OUTLET AND JUNCTION BOXES SHALL BE STEEL WITH ACCESSORIES AS REQUIRED.
- 120V RECEPTACLES SHALL BE HEAVY DUTY 20 AMP, 125 VOLT, DUPLEX NEMA 2-20R, COLOR TO BE SELECTED BY OWNER.
- 208V/220V RECEPTACLES SHALL BE HEAVY DUTY 50 AMP, 250V, NEMA RATED TO MATCH PLUG.
- PROVIDE AND INSTALL INSULATED GROUND COPPER GROUND WIRES FOR EACH BRANCH CIRCUIT AND FOR GROUNDING EQUIPMENT AS PER NEC.
- SWITCHES SHALL BE HEAVY DUTY, 20 AMP, 125 VOLT, COLOR AS DETERMINED BY OWNER.
- POWER AND COMMUNICATIONS SHALL BE IN SEPARATE CONDUITS.
- COMMUNICATION AND PHONE JACKS SHALL BE KEYSTONE OR EQUAL WALL MOUNTED OR FLOOR MOUNTED, WITH RJ-11 AND RJ-45 MODULAR JACKS. COLOR TO BE SELECTED BY OWNER.
- GENERAL LIGHT LAYOUT IS INDICATED. CONTRACTOR TO FOLLOW LAYOUT FROM OWNER IF NO EXTRA LIGHTS ARE ADDED TO A CIRCUIT.
- EXIT LIGHTS AND EMERGENCY LIGHTS TO BE ROUTED UN-SWITCHED IN SAME CIRCUIT AS ADJACENT LIGHTS AND UN-SWITCHED TO PANEL. MOUNT EXIT LIGHTS AT CEILING AND ABOVE DOORS.
- ELECTRICAL CONTRACTOR SHALL PROVIDE CONTROL WIRING BETWEEN THE EXHAUST FANS AND THEIR RESPECTIVE SWITCHES AND THERMOSTATS.
- WIRING METHODS TO INCLUDE EFFECTIVE GROUND FAULT PATH WITH METALLIC ARMOR OR SHEATH.
- COMPLY WITH ALL REQUIREMENTS OF NEC 2011 ART. 517.13 (A) AND (B)
- FIRE ALARM STROBE LIGHTS SHALL COMPLY WITH NFPA 72-10.

LP1 PANEL SCHEDULE

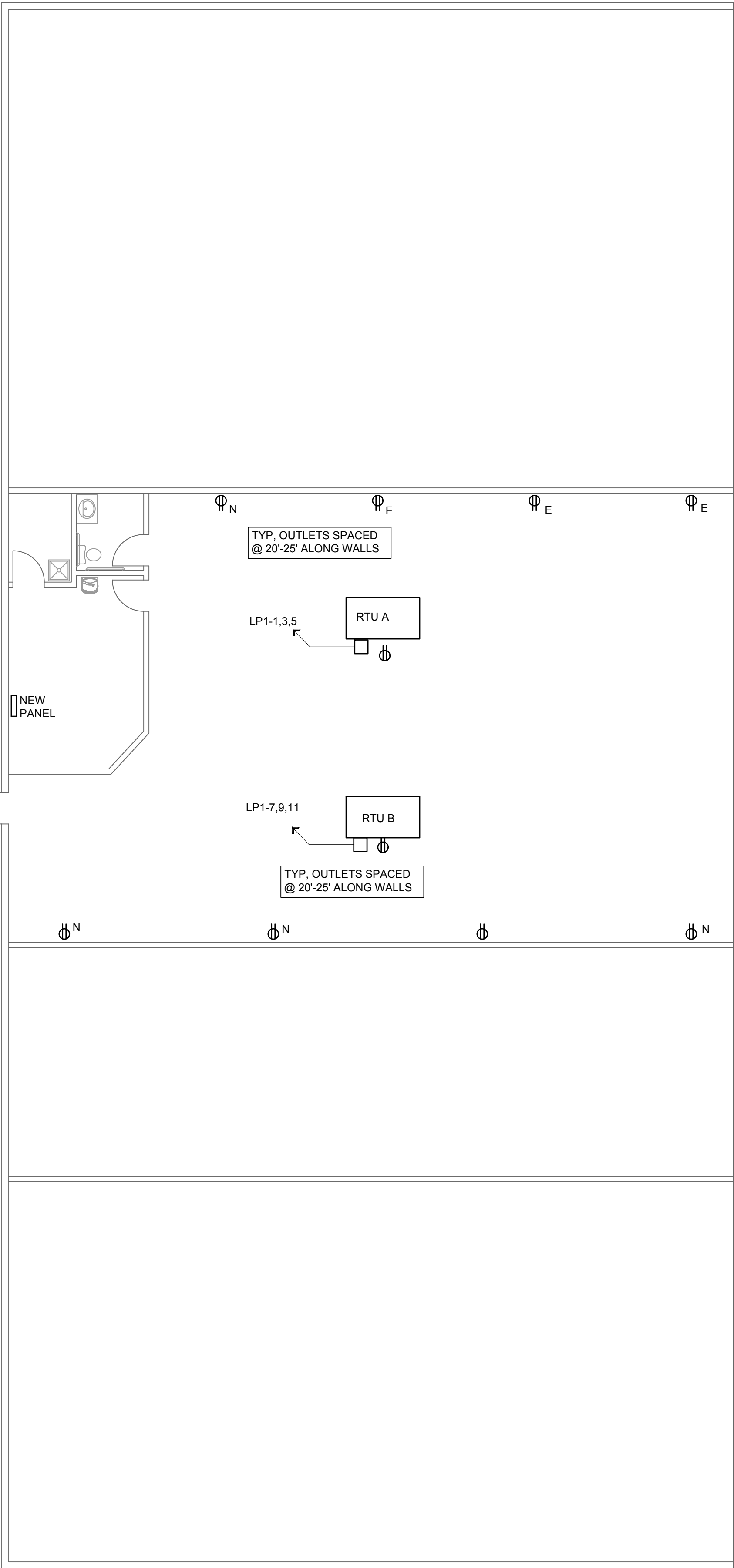
DESCRIPTION	kVA/phase			WIRE SIZE	BKR AMPS	POLES	CKT NR.	CKT NR.	POLES	BKR AMPS	WIRE SIZE	kVA/phase			DESCRIPTION
	A	B	C									A	B	C	
RTU-A	3.1			10	30"	3	1	2	1	20	12	1.8			OUTLETS, NORTH
RTU-A		3.1		10			3	4	1	20	12		1.8		OUTLETS, SOUTH
RTU-A			3.1	10			5	6							
RTU-B	3.1			10	30"	3	7	8							
RTU-B		3.1		10			9	10							
RTU-B			3.1	10			11	12							
							13	14							
							15	16							
							17	18							
							19	20							
							21	22							
							23	24							
							25	26							
							27	28							
							29	30							
							31	32							
							33	34							
							35	36							
							37	38							
							39	40							
							41	42							
SUBTOTAL	-	-	-									-	-	-	SUBTOTAL
* HCAR BREAKER				208V 3Ø 4 W 200 amp FLUSH MOUNTED PANEL MAIN BREAKER PANEL WALL MOUNTED PANEL 22,000 AIC GROUND BAR WITH ISOLATED GROUND BAR TOTAL, PANEL: -- kVA = -- AMPS DEMAND LOAD: -- kVA = -- AMPS											

RISER NOTES

- REMOVE 3 METER BANK AND REPLACE W/ 4 METER BANK
- EXISTING PANEL IN SPACES TYP.
-



UTIL TRANS
PARKING LOT LIGHTING CONTROL TO MOVE TO EXTERIOR, FROM SPACE. PLACE IN NEMA 4 BOX



1

ELECTRICAL POWER PLAN

SCALE: 1/8" = 1'-0"
RE: ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS

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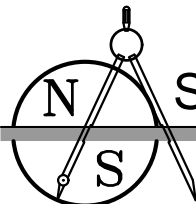
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ELECTRICAL
POWER PLAN,
NOTES &
SCHEDULES

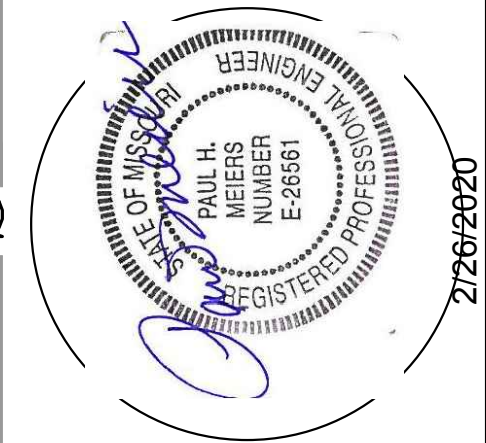


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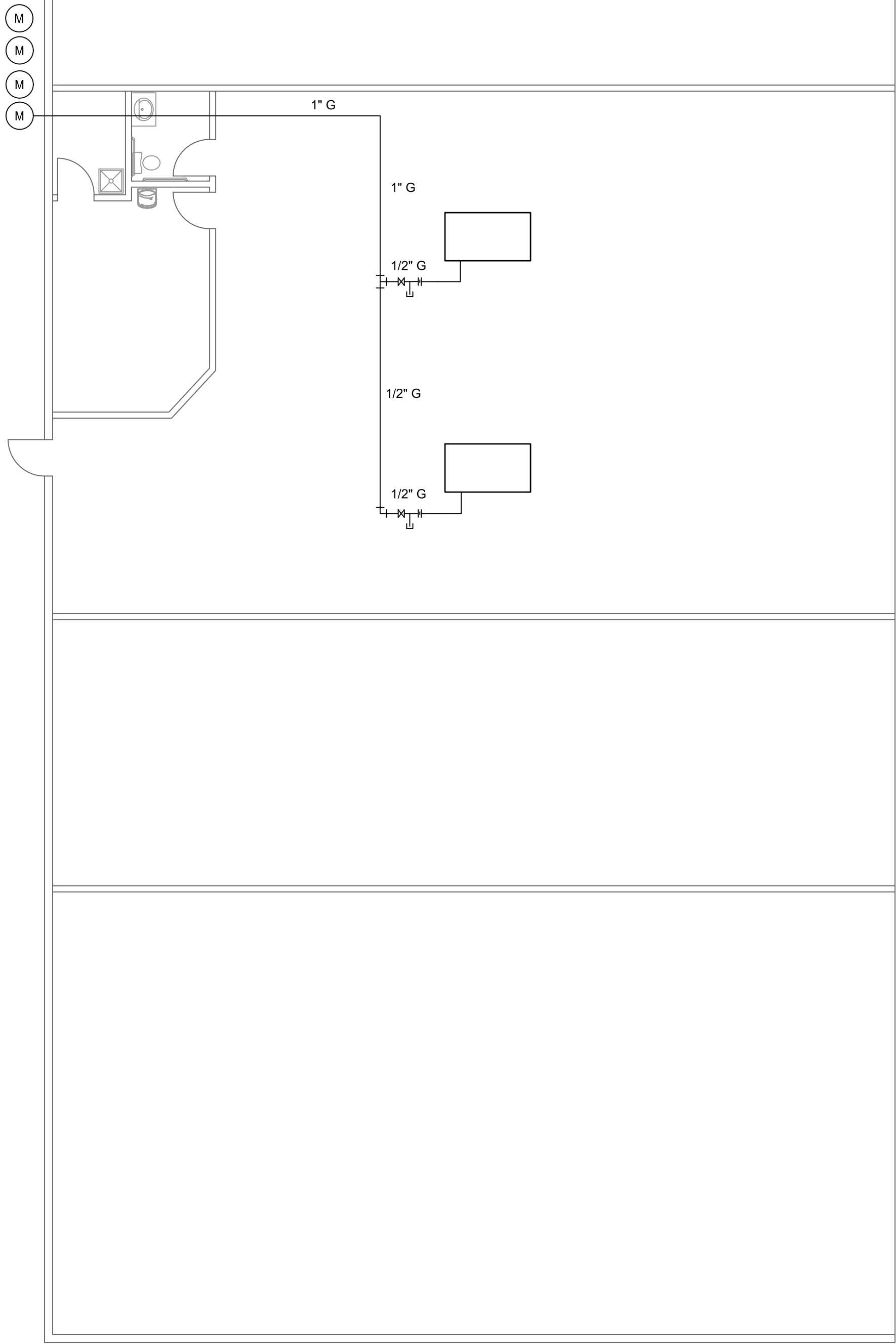
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GAS LINE NOTES

- 1. COORDINATE WITH ALL OTHER TRADES.
- 2. ALL PIPING TO BE INSTALLED PER THE 2018 IFGC.
- 3. PIPING TO BE ASTM A53, GR B SCHEDULE 40.



1

PLUMBING PLAN

SCALE: 1/4" = 1'-0"
RE: ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS

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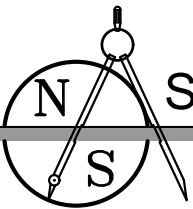
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PLUMBING PLAN

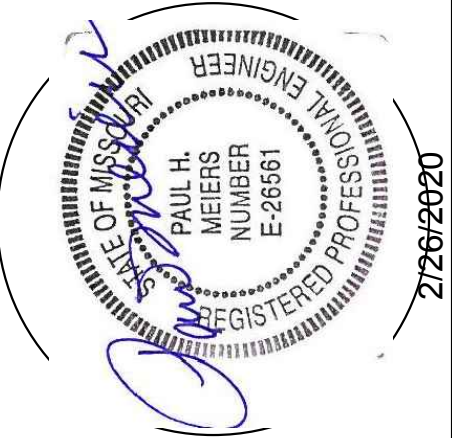


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