

MECHANICAL NOTES:

GENERAL

1. ALL MECHANICAL WORK SHALL BE IN ACCORDANCE WITH THE 2012 UNIFORM MECHANICAL CODE (UMC), RULES AND REGULATIONS OF THE CITY OF EMPORIA.
2. INSTALLATION OF APPLIANCES SHALL BE PER UMC 303.
3. APPLIANCES SHALL BE LOCATED PER UMC 902.
4. CLEARANCE TO APPLIANCES SHALL BE PER PROVIDED PER UMC 904.2.
5. APPLIANCES SHALL BE VENTED TO THE OUTSIDE PER UMC 802.
6. APPLIANCE VENT TERMINATION SHALL BE PER UMC 802.6.
7. APPLIANCE VENTING SHALL BE SIZED PER UMC 803.
8. VENT CONNECTORS SHALL BE PER UMC 802.10.

EXHAUST SYSTEMS

1. MECHANICAL VENTILATION SHALL BE PROVIDED PER UMC 402.3, TBLE 4-1.
2. RESTROOMS SHALL BE VENTILATED PER UMC TABLE 403.7, TABLE 4-4.

DUCT SYSTEMS

1. DUCT SYSTEMS SERVING HEATING, COOLING AND VENTILATION EQUIPMENT SHALL BE PER UMC 602.
2. SUPPLY AIR DUCTING:
 - 26 GA. GALVINIZED RECTANGLEDUCT
 - 6"/8"/10" Ø GALVINIZED METAL DUCT
 - 6"/8"/10" Ø FACTORY MADE AIR DUCT
3. GALVANIZED METAL DUCT SHALL BE SUPPORTED PER UMC 604.2 AND 604.3.
4. GALVANIZED METAL DUCT SHALL BE INSULATED PER UMC 605.
5. COMBUSTIBLES WITIN DUCTS OR PLEMUMS SHALL BE PER UMC 602.2.

MECHANICAL VENTILATION

1. MECAHICAL VENTILATION SHALL BE PROVIDED PER UMC 402.3, TABLE 4-1
2. MECHANICAL EXHAUST VENTILATION FOR RESTROOMS SHALL BE PER UMC 403.7, TABLE 4-4.

MECHANICAL NOTES (CONT.):

COMBUSTION AIR

1. COMBUSTION AIR SHALL BE PROVIDED PER UMC 701.
2. COMBUSTION AIR OPENINGS SHALL BE TERMINATED SPACE PER UMC 701.10.

FUEL GAS

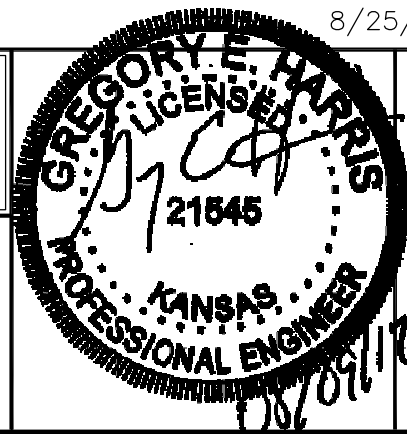
1. APPLIANCES SHALL BE CONNECTED TO THE FUEL GAS PIPING PER UPC 1211.
2. FUEL GAS PIPING SHALL BE DESIGN / BUILD BY THE SITE CONTRACTOR INCOMPLIANCE WITH UPC CHAPTER 12.

CONSTRUCTION NOTES:

1. INSTALL PIPING AND DUCT WORK TO BEST SUIT THE FIELD CONDITIONS AND COORDINATE WITH THE INSTALLATION WORK OF OTHER TRADES. THESE DRAWINGS INDICATE APPROXIMATE LOCATIONS. DO NOT SCALE TO DETERMINE LOCATION OF PIPING. ALL DUCT WORK SHALL BE 26 GAUGE OR THICKER AND SHALL BE INSTALLED PER SMACNA STANDARDS.
2. PROVIDE CONDUIT AND WIRING PER THE 2011 NEC AND MANUFACTURER'S RECOMMENDATIONS.
3. EXHAUST DUCT TERMINATION SHALL MAINTAIN A MINIMUM OF 10' CLEARANCE HORIZONTALLY OR NOT LESS THAN 3' VERTICALLY FROM AIR INTAKE OPENINGS.
4. ALL WORK SHALL BE NEATLY EXECUTED, WORKMANLIKE IN APPEARANCE SYMMETRICAL, PLUMB, UNIFORM, PROPERLY ALIGNED AND SECURED IN PLACE.

REVISED
8/25/17

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SIMMONS PET FOODS - WEST

EMPORIA, KANSAS

SCALE	AS NOTED	BY	MR
REVISED	8/09/17		
	8/25/17	JOB #	
	INTERIOR REMODEL	NO.	M1.0



EQUIPMENT SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	AIRFLOW	HEATING	COOLING	REMARKS
RTU #1	LENNOX	KGA092S4B	3,000	67,500/104,000	86,000	1, 2
FURN #1	LENNOX	ML193DF090XP48C	2,145	82,000		1, 2
CU #1	LENNOX	TSA-048S			48,000	460V/3 ϕ , 15A MOCPS - MIN. 8.14A
WM #1	LENNOX	MWMA012S4	340/200/205	TEMP	TEMP	20W
DU #1	LENNOX	MPA012S4S	1,180	888	1092	40W 208/230V 15A CIRCUIT (5.7A)

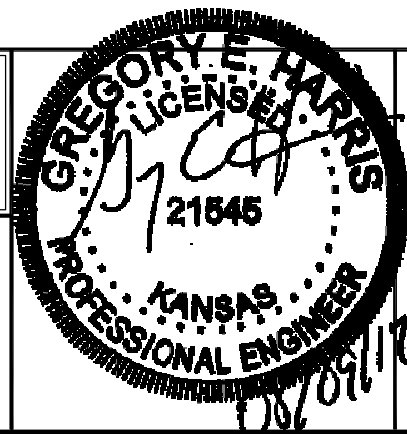
REMARKS:
 1. SMOKE DETECTORS SHALL BE INSTALLED IN THE RETURN AIR SYSTEM PER IMC 606.2.1.
 2. THE DUCT DETECTION SYSTEM SHALL HAVE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION.
 3.
 4.

EXHAUST FAN SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	AIRFLOW (in cfm)	ELECTRICAL				LOCATION	REMARKS
				watt	volt	ph	amps		
EF-1	BROAN	HD50	50	30W	120V	1	0.5	RESTROOM	1

REMARKS:
 1. EXISTING FAN THRU THE ROOF.

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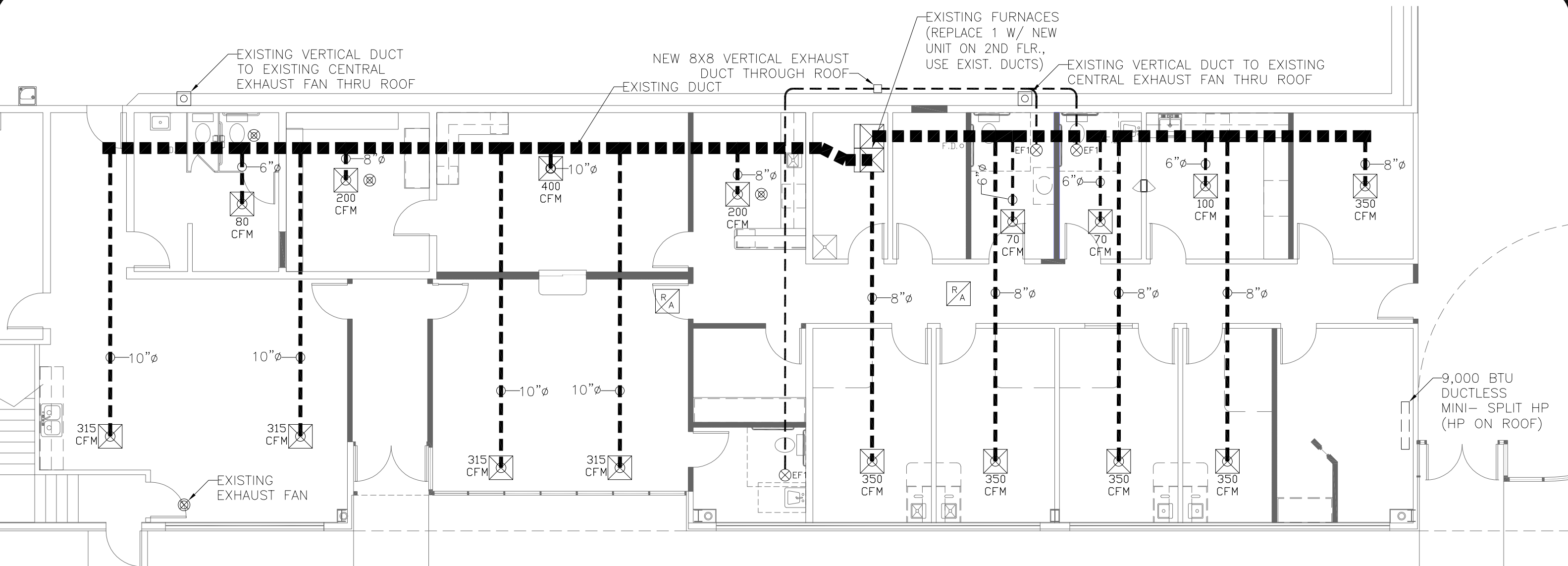
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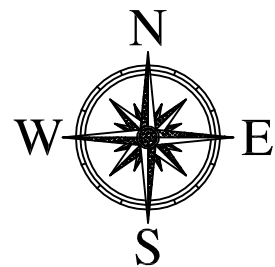
SIMMONS PET FOODS - WEST

EMPORIA, KANSAS

SCALE AS NOTED	BY MR
8/09/17	
REVISED	
	JOB #
INTERIOR REMODEL	NO. M1.1



**FIRST FLOOR OFFICE AREA
HVAC PLAN**
1/8"=1'-0"

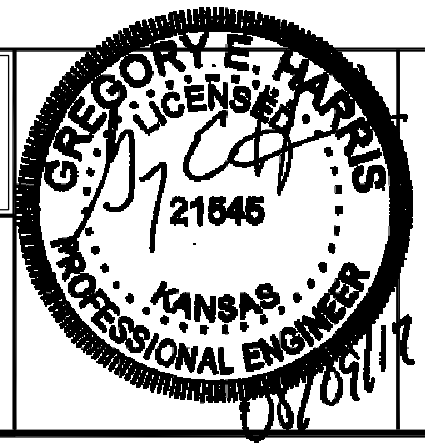


NOTES:

1. COMMON RETURN AIR
2. (2) 13 ACC-048-230 CONDENSERS

- ⊗ EF1 BROAN #HD50 120V, 30W
CEILING MOUNT EXHAUST FAN
- ⊗ EXISTING CEILING FAN
- ⊗ SUPPLY AIR REGISTER
- ⊗ R/A RETURN AIR REGISTER
- INSULATED FLEX DUCT SIZED AS SHOWN

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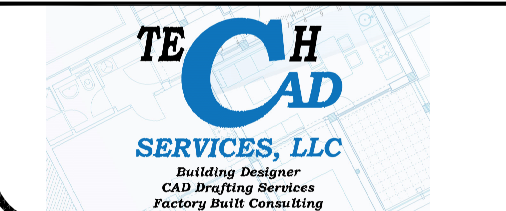
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SCALE AS NOTED		BY MR	
8/09/17			
REVISED		JOB #	
INTERIOR REMODEL		NO.	M2.1



NOTES:

1. COMMON RETURN AIR
2. (2) 13 ACC-048-230 CONDENSERS
3. PROVIDE THERMOSTATS FOR EACH NEW AIR CONDITIONING ZONE (CONTROLLING ZONE DAMPERS).

⊗EF1 BROAN #HD50 120V, 30W CEILING MOUNT EXHAUST FAN

⊗ SUPPLY AIR REGISTER

⊗ RA RETURN AIR REGISTER

--- INSULATED FLEX DUCT SIZED AS SHOWN

⊗ RECTANGULAR SUPPLY REGISTER SIZED AS SHOWN

LENNOX #ML193DF090XP48C 90KBTUH REV. FLOW FURNACE WITH 4 TON COIL (SERVES 1ST FLR.)

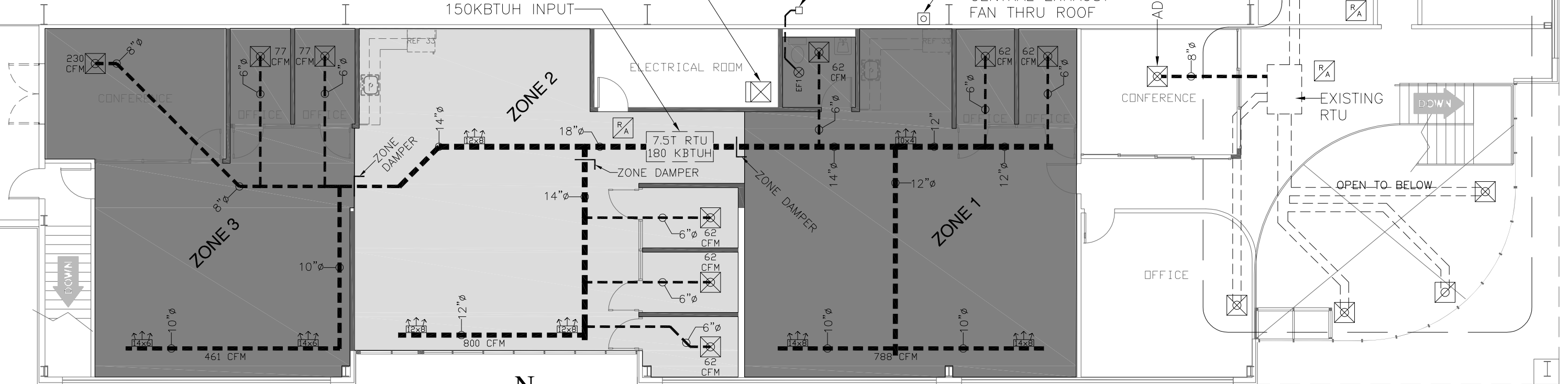
LENNOX #KGA-092 RTU 208/230V OR 460V 3Ø 45 OR 22 FLA, 150KBTUH INPUT

NEW 8X8 VERTICAL EXHAUST DUCT THROUGH ROOF

EXISTING VERTICAL DUCT TO EXISTING CENTRAL EXHAUST FAN THRU ROOF

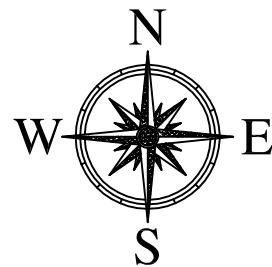
EXISTING DUCTWORK, SUPPLY AND RETURN REGISTERS FROM EXISTING RTU (TYPICAL)

ADD NEW SA

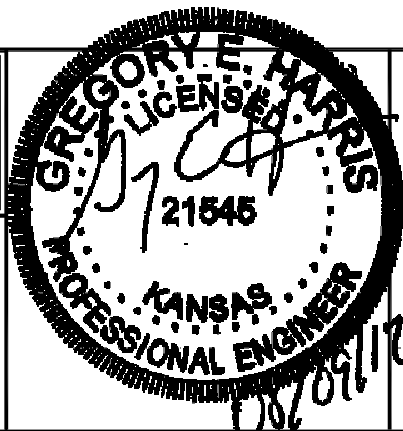


SECOND FLOOR OFFICE AREA
HVAC PLAN

1/8" = 1'-0"



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SIMMONS PET FOODS - WEST

EMPORIA, KANSAS

SCALE AS NOTED	BY MR
8/09/17	
REVISED	
	JOB #
INTERIOR REMODEL	NO. M2.2

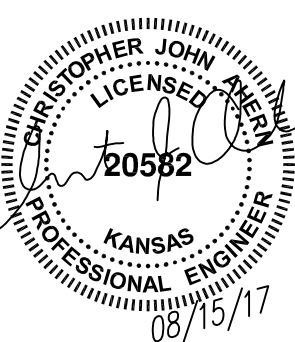


ELECTRICAL NOTES:

1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE 2011 NATIONAL ELECTRICAL CODE (NEC), RULES AND REGULATIONS OF THE CITY OF EMPORIA.
2. ALL EQUIPMENT AND MATERIALS SHALL BE UL LISTED WHERE LISTING IS AVAILABLE FOR THAT TYPE OF EQUIPMENT OR CONFORM TO ANSI OR NEMA STANDARDS.
3. WORKMANSHIP SHALL CONFORM TO CONSTRUCTION PRACTICES RECOMMENDED BY THE AMERICANS HANDBOOK BY CROFT (LATEST EDITION) AND SHALL BE SUBJECT TO THE APPROVAL OF THE AGENCY WHO HAS JURISDICTION.
4. ANY DEVICE MAY BE RELOCATED FROM THE LOCATION SHOWN ON THE DRAWINGS PRIOR TO INSTALLATION AT THE DIRECTION OF THE OWNER AND AT NO ADDITIONAL COST TO THE OWNER.
5. METALLIC ENCLOSURES, RACEWAYS, AND ELECTRICAL EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH REQUIREMENTS OF NEC. PROVIDE GROUND WIRE IN EVERY RACEWAY. SIZE IN ACCORDANCE WITH NEC.
6. CONDUIT SHALL BE PVC (ENCASED IN CONCRETE AND BELOW GRADE), ALUMINUM (EXPOSED INSTALLATION), EMT (DRY LOCATIONS) CONCEALED ABOVE GRADE, 3/4" DIAMETER UNLESS OTHERWISE NOTED.
7. WIRING SHALL BE TYPE THWN OR XHHW, 600V. CONDUCTORS SHALL BE COPPER.
8. TESTING SHALL BE PER NEC.
 - A. MEASUREMENT OF VOLTAGES AT SERVICE EQUIPMENT.
 - B. OPERATION TEST
 - C. INSULATION RESISTANCE
 - D. GROUNDING TEST
9. LOAD CENTER SHALL BE COMPLETE WITH BUS, ENCLOSURE AND TRIM, COMPLEMENT OF MOLDED PLASTIC CASE CIRCUIT BREAKERS WITH RATINGS AS INDICATED, AND COMPLETED TYPE WRITTEN CIRCUIT DIRECTORY. LOAD CENTER 1 PHASE (φ), 3 WIRE, 120/240V, 10,000A INSULATED BINDABLE NEUTRAL.
10. SUBSTITUTE MATERIALS TO BE EQUAL QUALITY TO SPECIFIED ITEM.
11. GUARANTEE - THE ENTIRE INSTALLATION SHALL BE GUARANTEED FOR ONE YEAR AFTER ACCEPTANCE BY THE OWNER AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP, WHEN NOTIFIED BY THE OWNER OF FAILURE OF ANY PART OF THE INSTALLATION DURING THE GUARANTEE PERIOD. CONTRACTOR SHALL REPAIR OR REPLACE THE DEFECTIVE PART AT HIS OWN EXPENSES TO THE SATISFACTION OF THE OWNER.
12. INSTALLATION AND WORKMANSHIP,
 - A. ALL WORK SHALL BE NEATLY EXECUTED, WORKMANLIKE IN APPEARANCE SYMMETRICAL, PLUMB, UNIFORM, PROPERLY ALIGNED AND SECURED IN PLACE.
 - B. WIRING METHODS,
 - (1) MC CABLE W/ GROUND PER NEC
 - (2) AC CABLE W/ GROUND PER NEC3
 - (3) EMT W/ (3) CONDUCTORS AND GROUND
 - (4) NM CABLE W/ GROUND PER NEC
 - (5) USE SEALTITE FLEX FOR CONNECTION TO EQUIPMENT.
 - (6) ATTACH TO CONCRETE AND MASONRY WITH EXPANSION ANCHORS AND TO WOOD WITH WOOD SCREWS.
 - (7) SUPPORT RACEWAYS PER NEC.
 - (8) DO NOT SUPPORT RACEWAYS AND BOXES FROM AND ON MECHANICAL SYSTEMS.
 - C. CONDUCTORS,
 - (1) MAKE SPLICES IN ACCESSIBLE LOCATIONS, MAKE SPLICES IN CONDUCTORS No. 10 AWG AND SMALLER DIAMETER WITH INSULATED, PRESSURE-TYPE CONNECTOR MAKE SPLICES IN CONDUCTORS No. 8 AWG AND LARGER DIAMETER WITH SOLDERLESS CONNECTOR, AND COVER WITH INSULATION MATERIAL EQUIVALENT TO CONDUCTOR INSTALLATION.
 - D. CUT, DRILL AND PATCH AS REQUIRED. REPAIR ANY SURFACES DAMAGED OR MARRED. CUTTING, REPAIRS AND REFINISHING SHALL BE SUBJECT TO THE APPROVAL OF OWNER.
 - E. CLEAN ALL SURFACES TO RECEIVE PAINT. PAINT ANY SURFACE DAMAGED DURING INSTALLATION
 - F. REPAIR ALL SURFACES DAMAGED DURING THE INSTALLATION OF THE WORK SUBJECT TO THE APPROVAL OF THE OWNER.
 - G. ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOOR / CEILING ASSEMBLIES SHALL BE SEALED WITH APPROVED FIRESTOPPING MATERIAL.
 - H. PROVIDE EXPANSION/DEFLECTION FITTING FOR CONDUITS THROUGH SEISMIC JOINTS.
 - I. PROVIDE CONDUIT SEAL FOR CONDUITS PASSING THROUGH AIR CONDITIONED AND NON-AIR CONDITIONED AREAS.
13. WIRING DEVICES,
 - A. SWITCHES, 20A-POLES AS INDICATED 120 / 240 V, COLOR TO MATCH DEVICE PLATE.
 - B. RECEPTACLES, 20A, 120V. COLOR TO MATCH DEVICE PLATE.
 - C. PATIENT CARE RECEPTACLES SHALL BE PER NEC ARTICLE 517.16
14. GROUNDING OF RECEPTACLES AND FIXED EQUIPMENT IN PATIENT CARE AREAS SHALL BE PER NEC ARTICLE 545.
15. FIXTURES - INSTALL FIXTURES INDICATED IN LUMINAIRE SCHEDULE COMPLETE WITH LAMPS, HANGERS, SUPPORTS, BALLAST AND ACCESSORIES. ALL FLUORESCENT BALLAST SHALL BE ELECTRONIC TYPE.
16. DEVICE PLATES - PLASTIC - COLOR TO MATCH DEVICE.
17. OUTLETS - PROVIDE OUTLET BOXES TO SUIT CONDITIONS ENCOUNTERED. BOXES SIZED TO ACCOMMODATE CONDUCTORS PER NEC. MINIMUM SIZE OF BOX FOR USE WITH RACEWAY SYSTEMS TO BE 4" SQUARE BY 1 1/2" DEEP.
18. CIRCUIT BREAKERS AND SAFETY SWITCHES - GENERAL ELECTRIC, SQUARE D, ITE, WESTINGHOUSE OR CUTLER HAMMER CHALLENGER SAFETY SWITCH - HEAVY DUTY TYPE.



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SIMMONS Pet Foods
EMPORIA, KANSAS

SCALE AS NOTED	BY MR
8/15/17	
REVISED	
	JOB #
Interior Remodel	NO. E1.0

PANEL SCHEDULE

PANEL: E		VOLTS: 120 / 208 V		PHASE: 3	
AMPERE: 200		WIRE: 4		AIC RATING: 10,000	
ENCLOSURE TYPE: NEMA 1		LOCATION: <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR <input checked="" type="checkbox"/> DRY <input type="checkbox"/> WET		MOUNTING: SURFACE <input checked="" type="checkbox"/> FLUSH <input type="checkbox"/>	
<input checked="" type="checkbox"/> NEUTRAL BUS		<input checked="" type="checkbox"/> GROUND BUS		<input type="checkbox"/> INSOLATED GROUND BUS	
NEUTRAL BUS GROUND BONDING <input checked="" type="checkbox"/>					

BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	POLE BKR	CKT NO.	PHASE						CKT NO.	POLE BKR	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION
				φA		φB		φC					
				←	→	←	→	←	→				
LIGHTING #1	12	1/20A	1	1632	540					2	1/20A	12	BREAK ROOM RECEPPTS #1
LIGHTING #2	12	1/20A	3			710	720			4	1/20A	12	BREAK ROOM RECEPPTS #2
LIGHTING #3	12	1/20A	5					1440	1260	6	1/20A	12	WAITING / STORAGE RECEPPTS
LIGHTING #4	12	1/20A	7	1252	900					8	1/20A	12	EXAM ROOM RECEPPTS #2
EXAM ROOM RECEPPTS #1	12	1/20A	9			720	720			10	1/20A	12	EXAM ROOM RECEPPTS #4
EXAM ROOM RECEPPTS #3	12	1/20A	11					720	1260	12	1/20A	12	PHYSICIANS OFFICE RECEPPTS
X-RAY RECEPPTS	12	1/20A	13	540	540					14	1/20A	12	MECH/STO/ RR RECEPPTS
LAB RECEPTACLES #1	12	1/20A	15			720	1620			16	1/20A	12	FRONT OFFICE RECEPPTS #1
LAB RECEPTACLES #2	12	1/20A	17					720	1260	18	1/20A	12	FRONT OFFICE RECEPPTS #2
NURSES' STATION RECEPPTS	12	1/20A	19	1080	2324					20	1/15A	12	X-RAY MINI SPLIT (OUTDOOR)
X-RAY MINI SPLIT (INDOOR)	12	1/15A	21			800	3320			22	2/15A	12	CONDENSING UNIT (REPLACEMENT)
RTU #1	4	3/60A	23					3,800	3320	24	2/15A	12	CONDENSING UNIT (REPLACEMENT)
			25	3,800	800					26	1/15A	12	FURNACE (REPLACEMENT)
			27			3,800	1800			28	1/20A	12	X-RAY (SEE NOTE #3, E3.1)
			29					1800		30	1/20A	12	X-RAY (SEE NOTE #3, E3.1)
			31							32			
			33							34			
			35							36			
			37							38			
			39							30			
			41							42			
TOTAL KVA / φ:				13,408		14,930		15,580					
CONNECTED KVA:				43,918									
DEMAND FACTOR:				0.80									
DEMAND LOAD:				35,134.4				I=168.9A					

AIC - 208/120V 3PH 200A SERVICE AIC 7250A MAX. SERVICE EQUIPMENT SHALL BE FIELD MARLED IN ACCORDANCE WITH 2011 NEC 110.24



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SIMMONS PET FOODS - WEST

EMPORIA, KANSAS

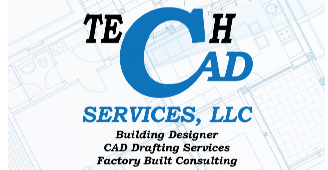
SCALE AS NOTED	BY MR
8/15/17	
REVISED	
JOB #	
INTERIOR REMODEL	NO. E1.1

PANEL SCHEDULE

PANEL: C1		VOLTS: 120 / 208 V		PHASE: 3	
AMPERE: 100		WIRE: 4		AIC RATING: 10,000	
ENCLOSURE TYPE: NEMA 1		MOUNTING: SURFACE <input checked="" type="checkbox"/> FLUSH <input type="checkbox"/>		NEUTRAL BUS GROUND BONDING <input checked="" type="checkbox"/>	
LOCATION: <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR <input checked="" type="checkbox"/> DRY <input type="checkbox"/> WET		MAINS: BREAKER <input checked="" type="checkbox"/> LUGS ONLY <input type="checkbox"/>			
<input checked="" type="checkbox"/> NEUTRAL BUS		<input checked="" type="checkbox"/> GROUND BUS		<input type="checkbox"/> INSOLATED GROUND BUS	

BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	POLE BKR	CKT NO.	PHASES						CKT NO.	POLE BKR	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION
				φA		φB		φC					
				←	→	←	→	←	→				
NW CONF. RECEPTACLES	12	1/20A	1	1,080	180					2	1/20A	12	WEST KITCHEN RECEPES #1
NE HUDDLE RMS. RECEPES.	12	1/20A	3			1,080	180			4	1/20A	12	WEST KITCHEN RECEPES #2
W. COL. CNTRTP. RECEPES.	12	1/20A	5					900	180	6	1/20A	12	WEST REFRIG. RECEPTACLE
W. COL. CNTRTP. RECEPES.	12	1/20A	7	540	900					8	1/20A	12	WEST COLUMN RECEPTACLES
MIDDLE COL. CNTRTP. RECEPES.	12	1/20A	9			540	1,080			10	1/30A	12	MIDDLE COLUMN RECEPES
MIDDLE COL. CNTRTP. RECEPES.	12	1/20A	11					540	1,440	12	1/20A	10	MIDDLE HUDDLE RM. RECEPES.
E. COL. CNTRTP. RECEPES. #1	12	1/20A	13	720	540					14	1/20A	12	HALLWAY RECEPTACLES
E. COL. CNTRTP. RECEPES. #2	12	1/20A	15			540	720			16	1/20A	12	EAST COLUMN RECEPES #1
E. COL. CNTRTP. RECEPES. #3	12	1/20A	17					720	1,080	18	1/20A	12	EAST COLUMN RECEPES #2
NE CONFERENCE RECEPTACLES	12	1/20A	19	900	360					20	1/20A	12	EAST KITCHEN RECEPES #1
NE HUDDLE RM. RECEPTACLES	12	1/20A	21			1080	360			22	1/20A	12	EAST KITCHEN RECEPES #2
WEST COLUMN LIGHTING	12	1/20A	23					1,176	360	24	1/20A	12	EAST REFRIG. RECEPTACLE
MIDDLE COLUMN LIGHTING	12	1/20A	25	1,107	616					26	1/20A	12	EAST COLUMN LIGHTING
EAST COLUMN LIGHTING	12	1/20A	27			961	162			28	1/20A	12	ELECTRICAL ROOM LIGHTING
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							30			
			41							42			
TOTAL KVA / φ:				6,943		6,703		6,396					
CONNECTED KVA:				20,042									
DEMAND FACTOR:				0.80									
DEMAND LOAD:				16,033.6				I=77.1A					

AIC - 208/120V 3PH 200A SERVICE AIC 7250A MAX. SERVICE EQUIPMENT SHALL BE FIELD MARLED IN ACCORDANCE WITH NEC 110.24



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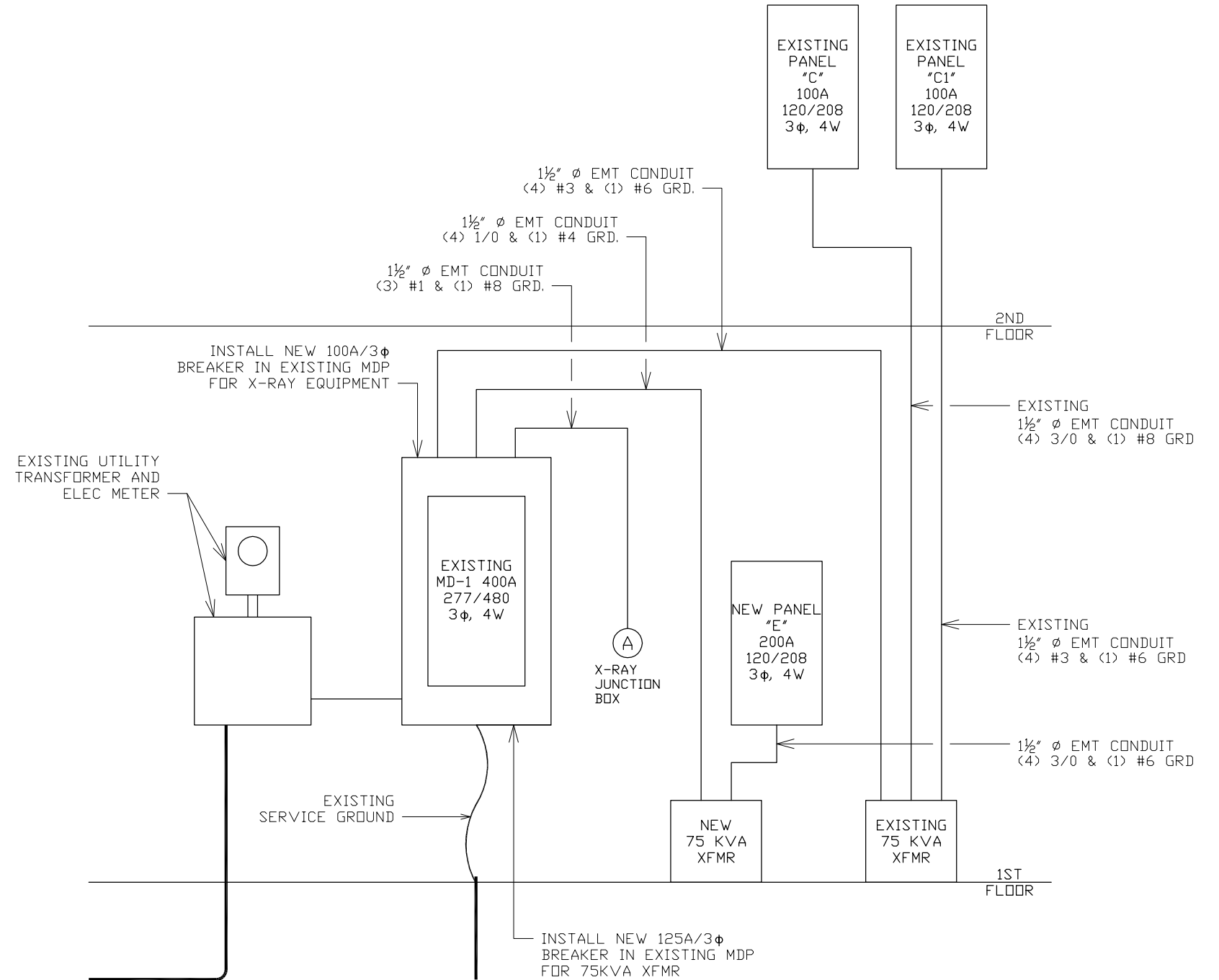
SIMMONS PET FOODS - WEST

EMPORIA, KANSAS

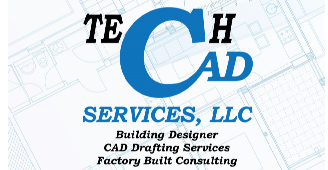
SCALE AS NOTED	BY MR
8/15/17	
REVISID	
	JOB #
INTERIOR REMODEL	NO. E1.2

LIGHTING SPECIFICATIONS

- T1 - H.E. WILLIAMS #LT-24-L43/840-AF-DRV (OR APPROVED EQUAL)
120/277V, 2X4 LED LAY-IN TROFFER FIXTURE
- T - SKYVIEW 2X2
#SKVLED-22-4500-80-40-2xVL-FL-W-UNV-DP-1-TB15
120/277V, 48W 2X2 LAY-IN TROFFER FIXTURE
- S - LITHONIA #CDS L48 MVOLT DM 40K 80CRI WH
120/277V, 38W LED STRIPLIGHT FIXTURE
- L - SCULPT
#SCDI-750-500-80-40-2M-4-AP-UNV-DP-2-CT15(48)
120/277V, 45W, 48" LINEAR SUSPENDED DIMMING (2-CIRCUIT) FIXTURE.
- P1 - BEAM ME UP #P1MP1ASD-840E-D1200-US-W
120/277V, 188W, PENDANT LUMINAIRE
- D1 - ALPHABET #NU6RD
6" RECESSED DOWNLIGHT - 120/277V, 33.2 VA
- D2 - ALPHABET #NU6RW
6" RECESSED DOWNLIGHT - 120/277V, 33.2 VA
- P2 - PRIMA #2840L-E6-LD-SV-36-1A-358
120/277V, 12W, PENDANT LUMINAIRE
- U - BRUCK #138540-24-40K-95-120-WH
120/277V, 7.5W PER FOOT, LED UNDERCABINET FIXTURE
- W - PRIMA #2844F-W-LD-SV-1E-408
120/277V, 12W, LED WALL SCENCE FIXTURE
- EM1 - LITHONIA #ELM2 LED
BATTERY BACKUP EMERGENCY LIGHTING FIXTURE - 120/277V, .04/.03A
- EX1 - LITHONIA #LRP 1 RW 120/277 EL N TM
120/277V, 0.089A (MAX.) ONE-SIDED LED ILLUMINATED EXIT SIGN
- EX2 - LITHONIA #LRP 2 RW DA 120/277 EL N TM OR #LRP 2
RW LRA 120/277 EL N TM 120/277V, 0.18A (MAX.)
TWO-SIDED LED ILLUMINATED EXIT SIGN



RISER DIAGRAM
NOT TO SCALE




















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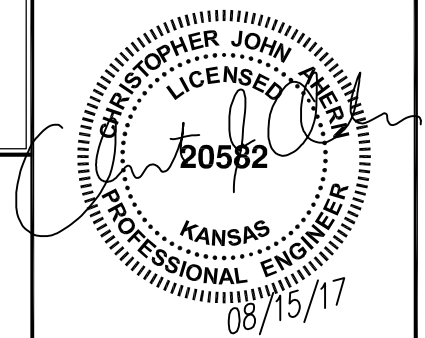
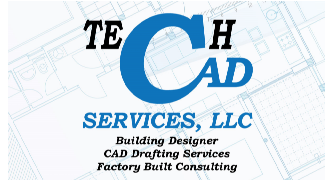
SIMMONS PET FOODS - WEST		
EMPORIA, KANSAS		
SCALE AS NOTED		BY MR
8/15/17		
REVISED		
	JOB #	
INTERIOR REMODEL		NO. E1.3

REFLECTED CEILING LEGEND

-  EXISTING FIXTURE - RELOCATE AND ADD SWITCH WHERE REQUIRED
-  EXISTING ARCHITECTURAL TYPE LED FIXTURE (TYPICAL)
-  NEW 2X4 ACOUSTICAL CLOUD
-  NEW 2X4 LED TROFFER LIGHTING FIXTURE
-  NEW 2X2 LED TROFFER LIGHTING FIXTURE
-  NEW LED STRIP LIGHTING FIXTURE
-  NEW LED STRIP LIGHTING FIXTURE
-  NEW CIRCULAR LED CHANDELIER LIGHTING FIXTURE
-  NEW AIMABLE LED RECESSED LIGHTING FIXTURE
-  NEW LED RECESSED LIGHTING FIXTURE
-  NEW LED PENDANT LIGHTING FIXTURE
-  NEW LED UNDER-CABINET LIGHTING FIXTURE
-  NEW LED WALL-MOUNT SCONCE LIGHTING FIXTURE
-  NEW SINGLE POLE WALL SWITCH (TYPICAL)
-  NEW LED BATTERY BACKUP EMERGENCY LIGHTING FIXTURE
-  NEW LED BATTERY BACKUP ILLUMINATED EXIT SIGN
-  NEW COMBO. EMERGENCY LIGHTING / EXIT SIGN FIXTURE

POWER PLAN LEGEND

-  NEW 120V DUPLEX RECEPTACLE
-  NEW 120V QUADRUPLEX RECEPTACLE
-  NEW NETWORK RECEPTACLE
-  NEW TELEPHONE RECEPTACLE
-  EXISTING 120V QUADRUPLEX RECEPTACLE
-  EXISTING NETWORK RECEPTACLE
-  EXISTING TELEPHONE RECEPTACLE
- GFCI GROUND FAULT CIRCUIT INTERRUPTER-PROTECTED RECEPTACLE
- WP WATER-PROTECTED GFCI RECEPTACLE
-  BREAKER ENCLOSURE - 208-480VAC PER MANUFACTURER'S INSTRUCTIONS
-  120VAC/20A BREAKER/DISCONNECTS PER MANUFACTURER'S INSTRUCTIONS
-  8"X8" JUNCTION BOX @ 18" AFF PER MANUFACTURER'S INSTRUCTIONS
-  6"X6" JUNCTION BOX @ 48" AFF PER MANUFACTURER'S INSTRUCTIONS
-  8"X8" JUNCTION BOX FLUSH MOUNTED IN FLOOR PER MANUFACTURER'S INSTRUCTIONS
-  8"X8X4" JUNCTION BOX @ 18" AFF PER MANUFACTURER'S INSTRUCTIONS
-  8"X8X4" JUNCTION BOX @ 18" AFF PER MANUFACTURER'S INSTRUCTIONS
-  NEW JUNCTION BOX


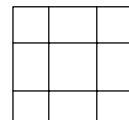
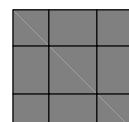


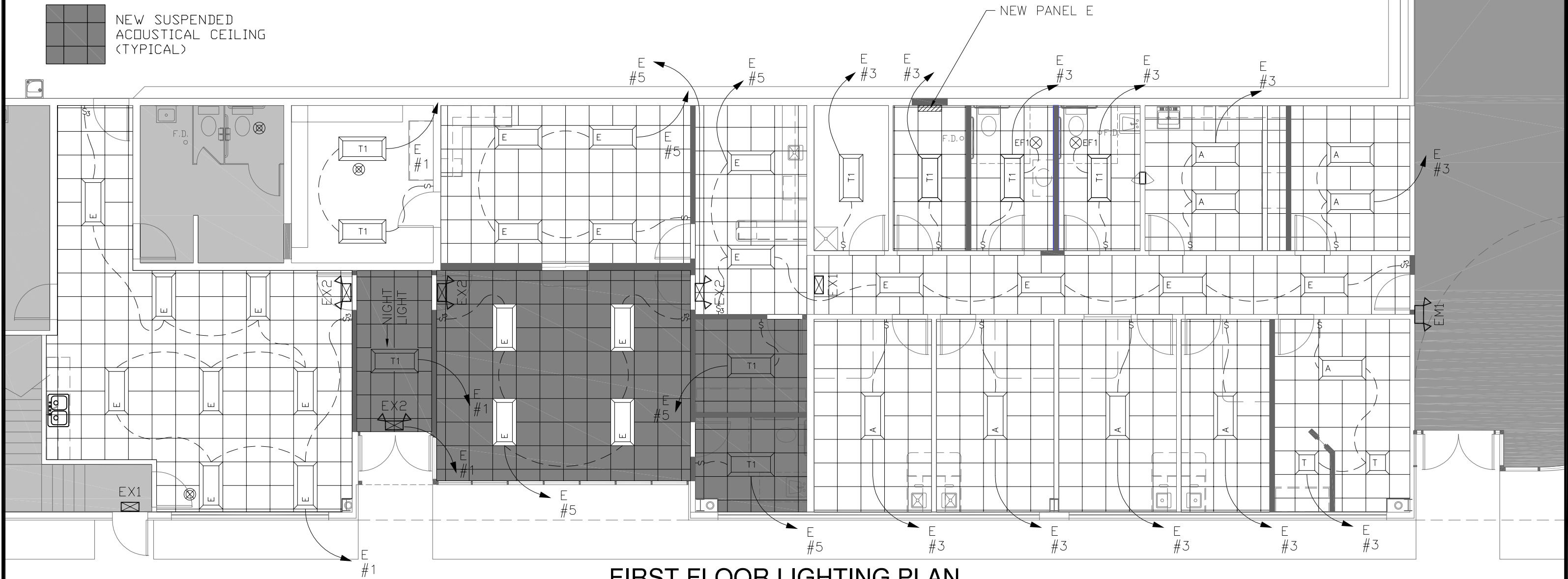
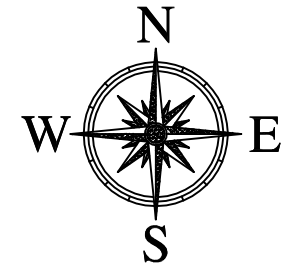
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SIMMONS Pet Foods EMPORIA, KANSAS		
SCALE AS NOTED		BY MR
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	JOB #	
Interior Remodel		NO. E2.1

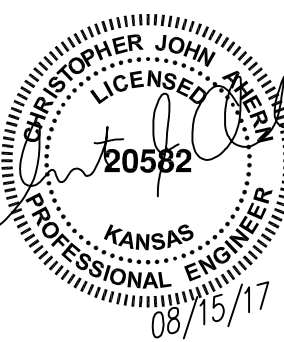
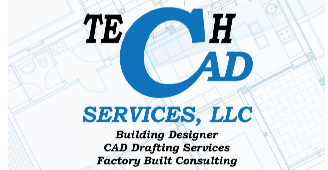
LEGEND

-  AREAS WITH EXISTING LIGHTING TO REMAIN UNCHANGED (TYPICAL)
-  REPAIR/REWORK EXISTING SUSPENDED ACOUSTICAL CEILING
REWORK EXISTING LIGHTING FIXTURES AS REQUIRED (TYPICAL)
-  NEW SUSPENDED ACOUSTICAL CEILING (TYPICAL)



FIRST FLOOR LIGHTING PLAN

1/8" = 1'-0"



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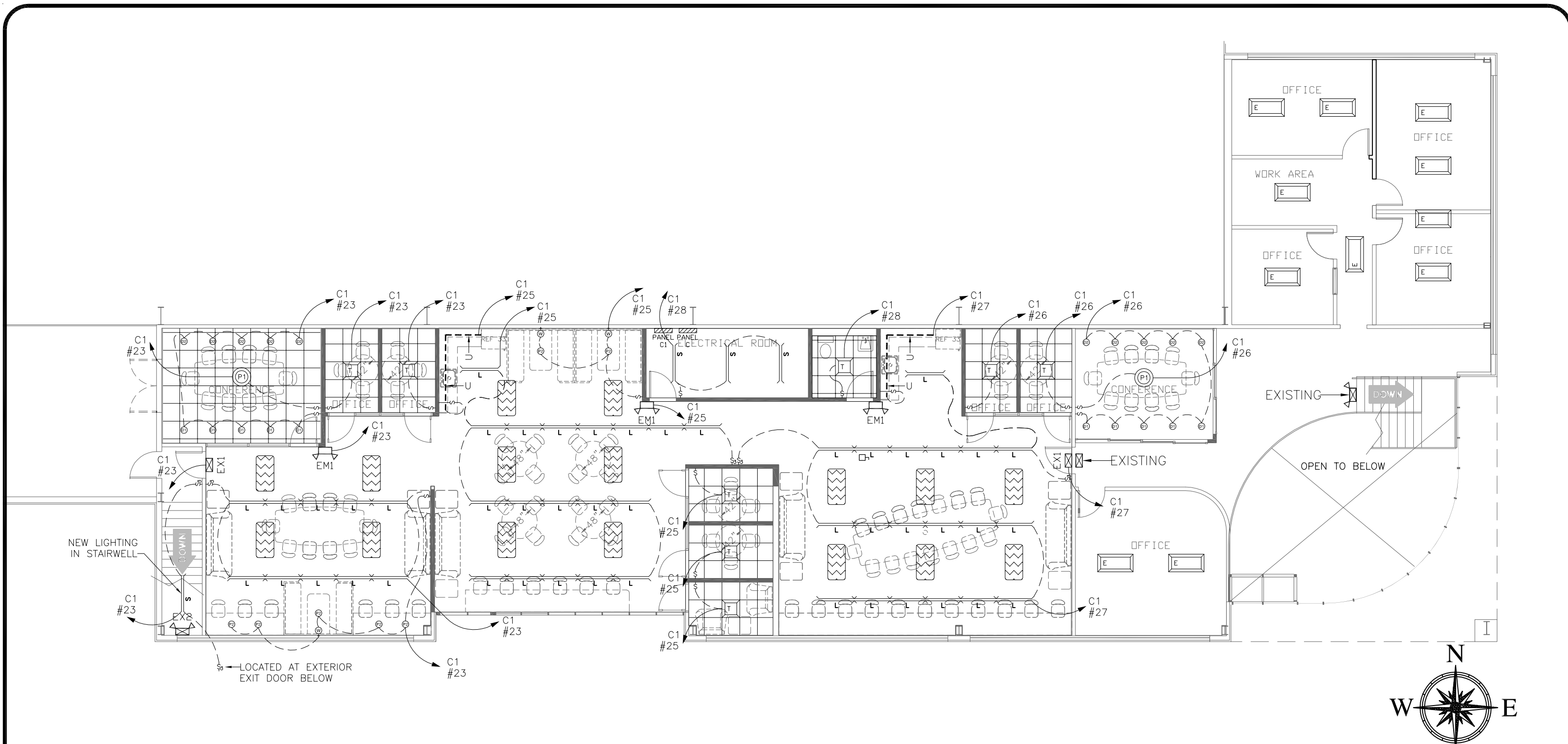
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SIMMONS Pet Foods EMPORIA, KANSAS

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	JOB #
Interior Remodel	NO. E2.1



2ND FLOOR LIGHTING PLAN
 3/32" = 1'-0"

pkmr
 ENGINEERS
 PEARSON KENT MCKINLEY RAAF ENGINEERS LLC
 2505 ANDERSON AVE, #202 MANHATTAN, KS 66502
 785.320.5260 WWW.PKMRENG.COM

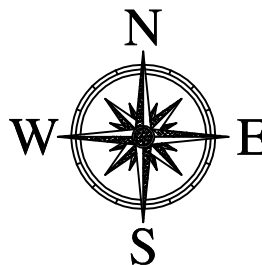
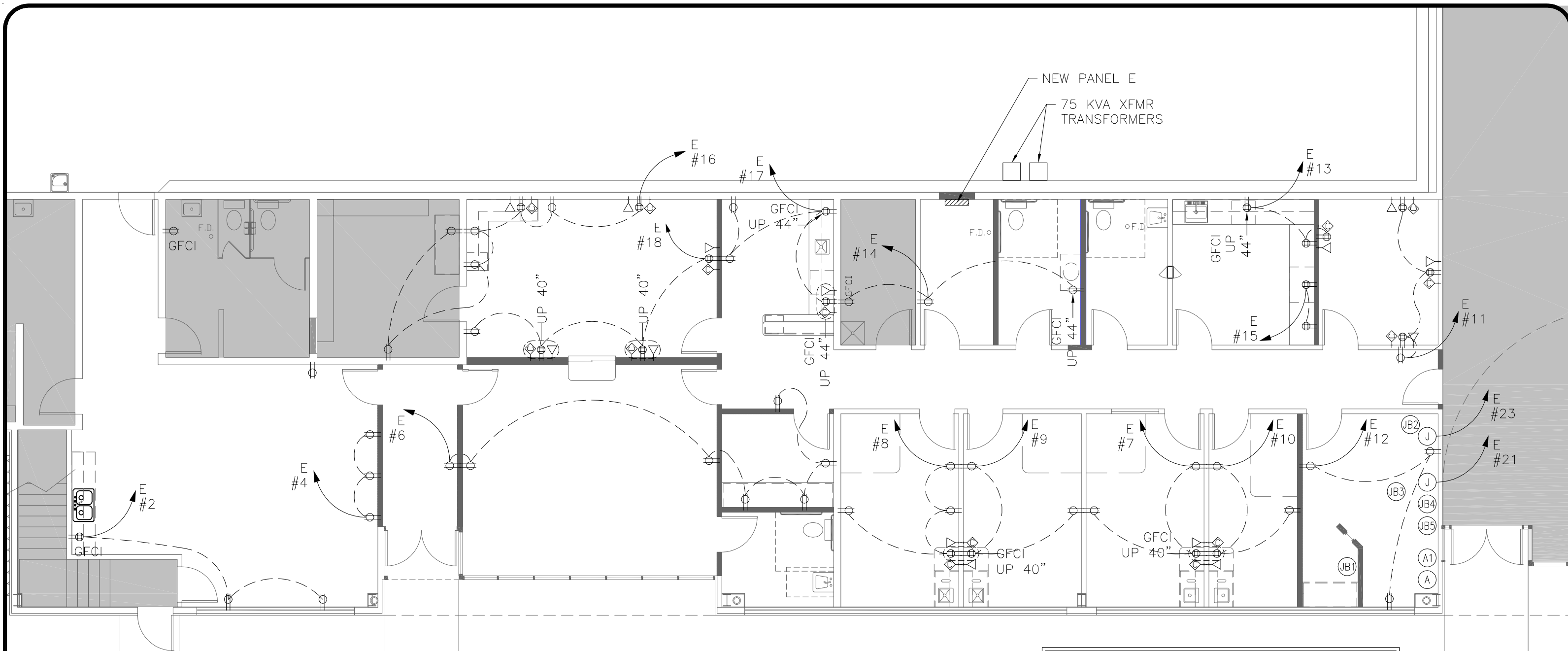
CHRISTOPHER JOHN RIER
 LICENSED PROFESSIONAL ENGINEER
 KANSAS
 20582
 08/15/17

TECH
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 SERVICES, LLC
 Building Designer
 CAD Drafting Services
 Factory Built Consulting

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Evergreen
 DESIGN BUILD

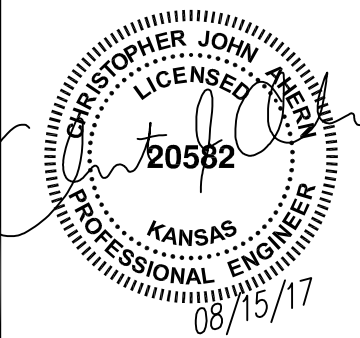
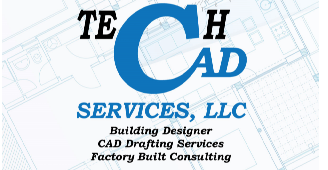
SIMMONS PET FOODS - WEST		EMPORIA, KANSAS	
SCALE	AS NOTED	BY	MR
REVISED	8/15/17	JOB #	
INTERIOR REMODEL			NO. E2.2



FIRST FLOOR POWER PLAN
1/8" = 1'-0"

NOTE: RADIOGRAPHIC SYSTEM PREPARATION

- SEE PAGE E-1 FROM MXRSourceOne FOR COMPLETE DETAILS FOR A, A1, JB1, JB2, JB3, JB4, JB5
- PROVIDE 1/2" EMT CONDUIT W/ (3) #1 & (1) #8G FROM A TO 480, 3φ, 100A BREAKER IN MD-1
- PROVIDE 3/4" EMT CONDUIT W/ (3) #12 & (1) #12G FROM A1 TO (2) 120V, 20A BREAKERS IN PANEL "E"



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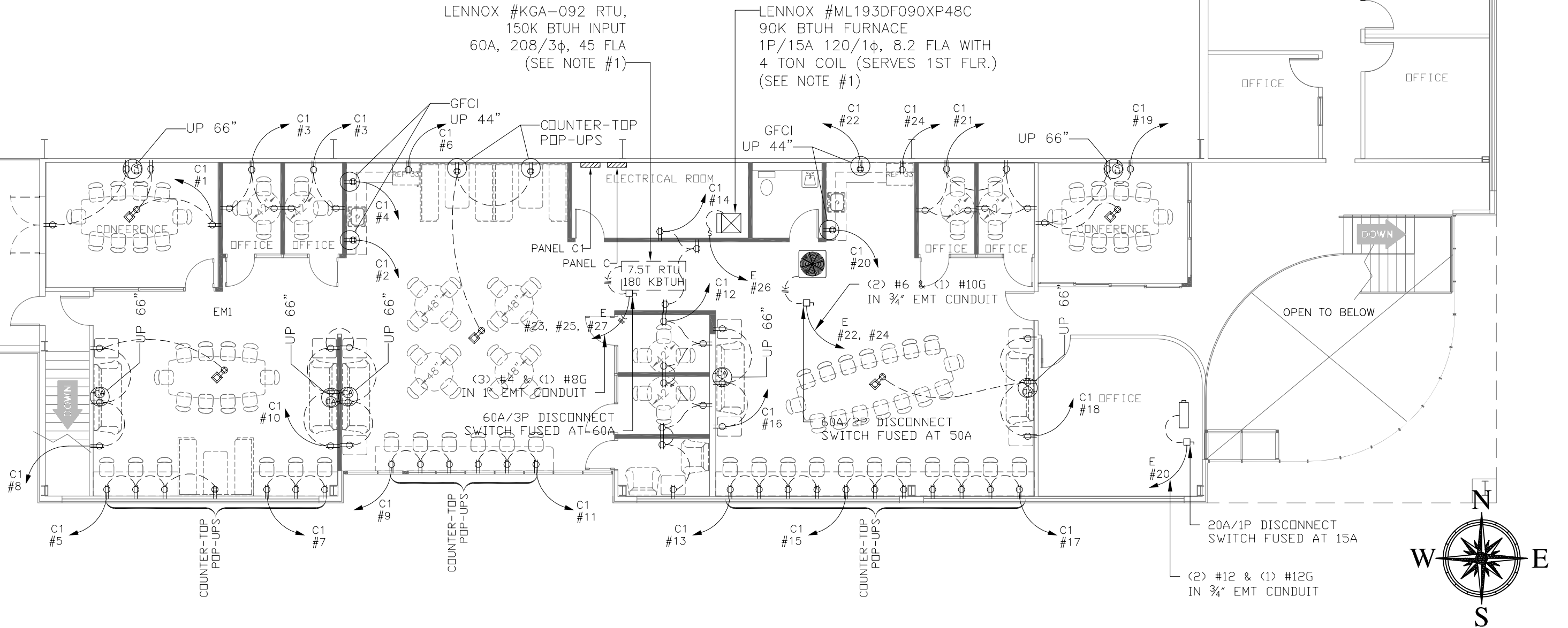


SIMMONS Pet Foods
EMPORIA, KANSAS

SCALE	AS NOTED	BY	MR
REVISED	8/15/17		
		JOB #	
	Interior Remodel	NO.	E3.1

NOTE:

1. PROVIDE DUCT SMOKE DETECTOR AT RETURN AIR DUCTWORK BY UNIT. UPON DETECTION OF SMOKE UNIT TO SHUT DOWN. DUCT DETECTION SYSTEM SHALL HAVE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION.



2ND FLOOR POWER PLAN

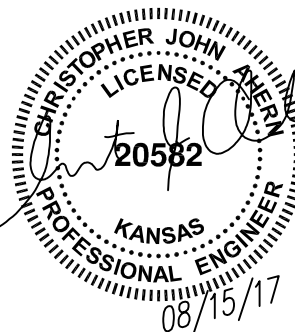
3/32" = 1'-0"



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2505 ANDERSON AVE, #202 MANHATTAN, KS 66502
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Building Designer
CAD Drafting Services
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SIMMONS PET FOODS - WEST

EMPORIA, KANSAS

SCALE AS NOTED	BY MR
8/15/17	
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	JOB #
INTERIOR REMODEL	NO. E3.2

PLUMBING NOTES:

GENERAL

1. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE 2012 UNIFORM PLUMBING CODE (UPC), RULES AND REGULATIONS OF THE CITY OF EMPORIA.
2. DWV SYSTEMS ROUGH IN AND FINISHED PLUMBING SHALL BE TESTED PER UPC 712.
3. WATER SUPPLY SYSTEM SHALL BE TESTED PER UPC 609.4.
4. PIPING IN CONCEALED LOCATIONS, INSTALLED THROUGH FRAMING MEMBERS SHALL BE PROTECTED BY SHIELD PLATES WHEN LESS THAN 1½" FROM MEMBER EDGE PER UPC 312.9.
5. PIPING SHALL BE SUPPORTED PER UPC 313.1.
6. A WATER TIGHT PAN SHALL BE INSTALLED BENEATH THE WATER HEATER WHEN IT IS INSTALLED WHERE DAMAGE MAY RESULT FROM LEAKAGE PER UPC 507.4

WATER SUPPLY

1. FULL OPEN VALVE SHALL BE PROVIDED AT THE WATER SERVICE ENTRANCE PER UPC SEC. 606.
2. THE WATER SUPPLY SHALL BE PROTECTED FROM CONTAMINATION PER UPC 602.
3. WATER SUPPLY MAINS, BRANCHS, AND RISERS SHALL BE SIZED PER UPC 610. (PRESSURE RANGE - 40 TO 49 PSI)
 - MINIMUM WATER SERVICE SHALL BE ¾"
 - MINIMUM BRANCH MAINS SHALL BE ¾"
 - BRANCH MAINS SHALL BE ½" WITH LESS THAN 3 FIXTURES UNITS
4. ¼ TURN ½" SHUT OFF VALVES SHALL BE PROVIDED AT EACH PLUMBING FIXTURE PER UPC 606.2.
5. PROVIDE LOOP PIPING WITH CIRCULATION PUMP FOR HOT WATER SUPPLY.
6. WATER SUPPLY PIPING SHALL BE INSULATED PER UPC SEC 607.2.
7. EXTERIOR HOSE BIBBS SHALL BE FROST PROOF PER UPC 603.5.7.
8. WATER HAMMER ARRESTORS SHALL BE INSTALLED ON QUICK CLOSING VALVES PER UPC 609.10.
9. THERMAL EXPANSION CONTROL SHALL BE PROVIDED PER UPC 608.3

PLUMBING NOTES (CONT.):

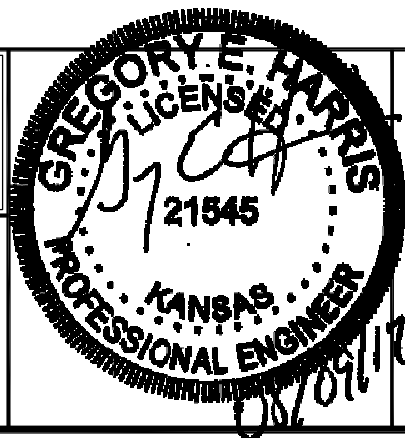
DRAIN, WASTE, AND VENT

1. DRAIN, WASTE, AND VENT (DWV) PIPING SHALL BE SCHEDULE 40 PVC UNLESS NOTED OTHERWISE
2. PVC PIPING SHALL BE SUPPORTED PER UPC TABLE 313.1, 48" MAXIMUM HORIZONTAL SPACING
3. CHANGE IN DIRECTION IN THE DRAINAGE PIPING SHALL BE PER UPC 706
 - VERTICAL TO HORIZONTAL, LONG SWEEP FITTING UPC 706.4.
 - HORIZONTAL TO HORIZONTAL, LONG SWEEP FITTING UPC 706.3
4. DRAINAGE PIPING CLEANOUTS SHALL BE PROVIDED PER UPC 719.
5. STAND PIPES SHALL BE A MINIMUM 18" AND A MAXIMUM OF 30" ABOVE THE TRAP PER UPC 804.1.
6. OPEN VENT PIPES THAT EXTEND THROUGH THE ROOF SHALL TERMINATE 6" MIN. ABOVE THE ROOF.
7. VENTS SHALL BE SIZED PER UPC 904 MINIMUM VENT THROUGH THE ROOF SHALL BE ONE HALF THE REQUIRED BUILDING SEWER.
8. VENTS THROUGH THE ROOF SUBJECT TO FROST CLOSURE SHALL BE A MINIMUM OF 2", VENTS LESS THAN 23" SHALL BE INCREASED IN SIZE A MINIMUM OF 12" BELOW THE ROOF PER UPC 906.7.
9. MAXIMUM DISTANCE OF FIXTURE TRAP FROM VENT SHALL BE PER UPC TABLE 1002.2.
10. PVC PIPING SHALL BE PROTECTED FROM UV EXPOSURE.

CONSTRUCTION NOTES:

1. DRAINAGE PIPING SHALL BE INSTALLED WITH A ¼" PER FOOT SLOPE.
2. PROVIDE ½" HOT WATER AND ½" COLD WATER CONNECTIONS TO PLUMBING FIXTURES AS INDICATED ON THE DRAWINGS.
3. PROVIDE MANUAL ¼ TURN GAS SHUT OFF VALVE IN AN ACCESSIBLE LOCATION (ON THE WALL OR OVERHEAD) AT THE FURNACE.

GREGORY E. HARRIS P.E.
8633 UTOPIA PARKWAY APT. 10
RAYTOWN, MISSOURI 64138



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SIMMONS Pet Foods
EMPORIA, KANSAS

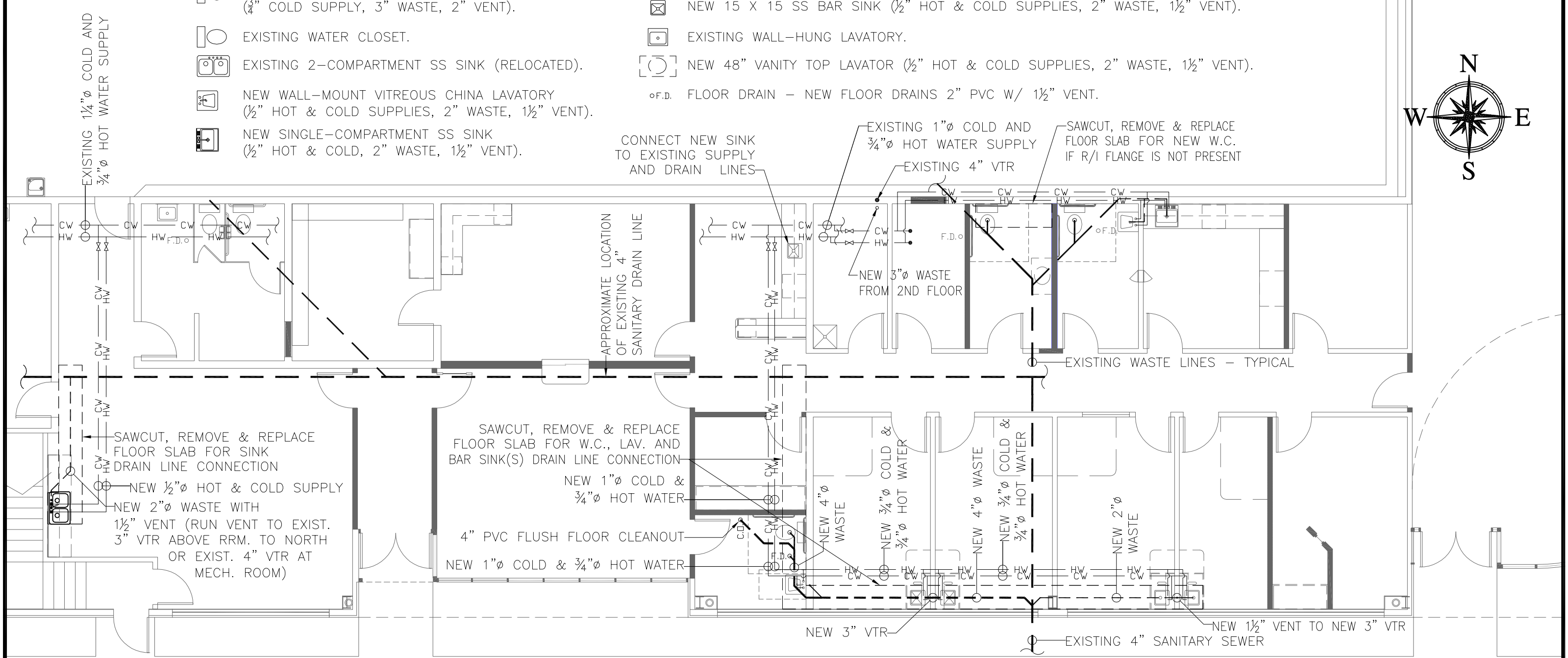
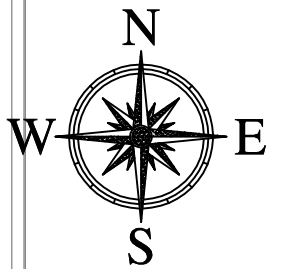
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	JOB #	
Interior Remodel		NO. P1.0

TECH CAD
SERVICES, LLC
Building Designer
CAD Drafting Services
Factory Built Consulting

LEGEND

-  NEW ADA-COMPLIANT WATER CLOSET (ONE MOUNTED ON EXISTING ROUGH-IN FLANGE) (3/4" COLD SUPPLY, 3" WASTE, 2" VENT).
-  EXISTING WATER CLOSET.
-  EXISTING 2-COMPARTMENT SS SINK (RELOCATED).
-  NEW WALL-MOUNT VITREOUS CHINA LAVATORY (1/2" HOT & COLD SUPPLIES, 2" WASTE, 1 1/2" VENT).
-  NEW SINGLE-COMPARTMENT SS SINK (1/2" HOT & COLD, 2" WASTE, 1 1/2" VENT).

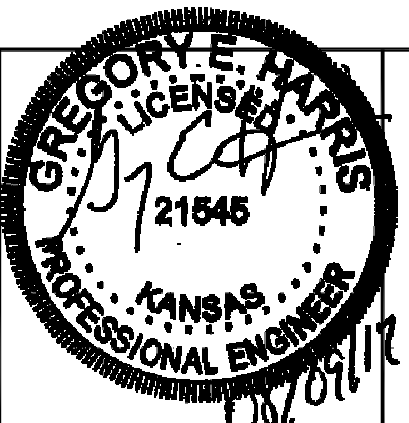
-  EXISTING MOP SINK.
-  NEW 15 X 15 SS BAR SINK (1/2" HOT & COLD SUPPLIES, 2" WASTE, 1 1/2" VENT).
-  EXISTING WALL-HUNG LAVATORY.
-  NEW 48" VANITY TOP LAVATOR (1/2" HOT & COLD SUPPLIES, 2" WASTE, 1 1/2" VENT).
-  F.D. FLOOR DRAIN - NEW FLOOR DRAINS 2" PVC W/ 1 1/2" VENT.



FIRST FLOOR PLUMBING PLAN

1/8" = 1'-0"

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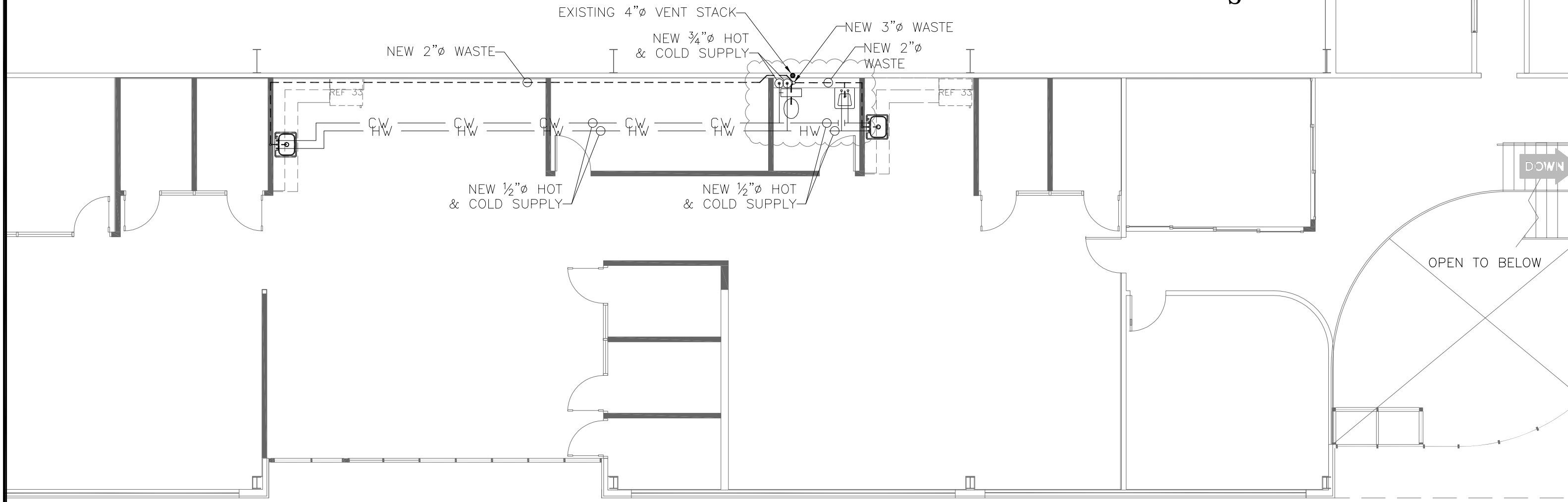
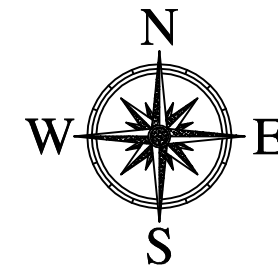


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REVISED		
	JOB #	
Interior Remodel		NO. P2.1



LEGEND

-  NEW ADA-COMPLIANT WATER CLOSET – RUN 3/4" COLD WATER LINE FROM BELOW THROUGH WALLS AND RUN 3" DRAIN LINE THROUGH FLOOR SLAB AND THEN HORIZONTAL TO EXISTING 4" VERTICAL VENT STACK (2" VENT).
-  NEW WALL-MOUNT VITREOUS CHINA LAVATORY – RUN 1/2" HOT & COLD WATER LINES FROM BELOW THROUGH WALLS AND RUN 2" DRAIN LINE THROUGH FLOOR SLAB AND THEN HORIZONTAL TO EXISTING 4" VERTICAL VENT STACK (1 1/2" VENT).
-  NEW SINGLE-COMPARTMENT STAINLESS STEEL SINK – RUN 1/2" HOT & COLD WATER LINES FROM BELOW THROUGH WALLS AND RUN 2" DRAIN LINE THROUGH FLOOR SLAB AND THEN HORIZONTAL TO EXISTING 4" VERTICAL VENT STACK (1 1/2" VENT).

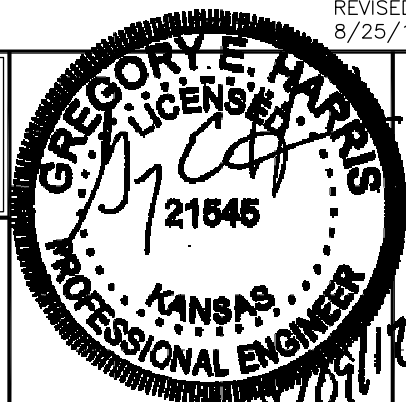


SECOND FLOOR PLUMBING PLAN

1/8" = 1'-0"

REVISED
8/25/17

GREGORY E. HARRIS P.E.
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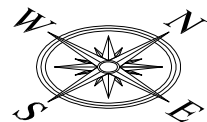
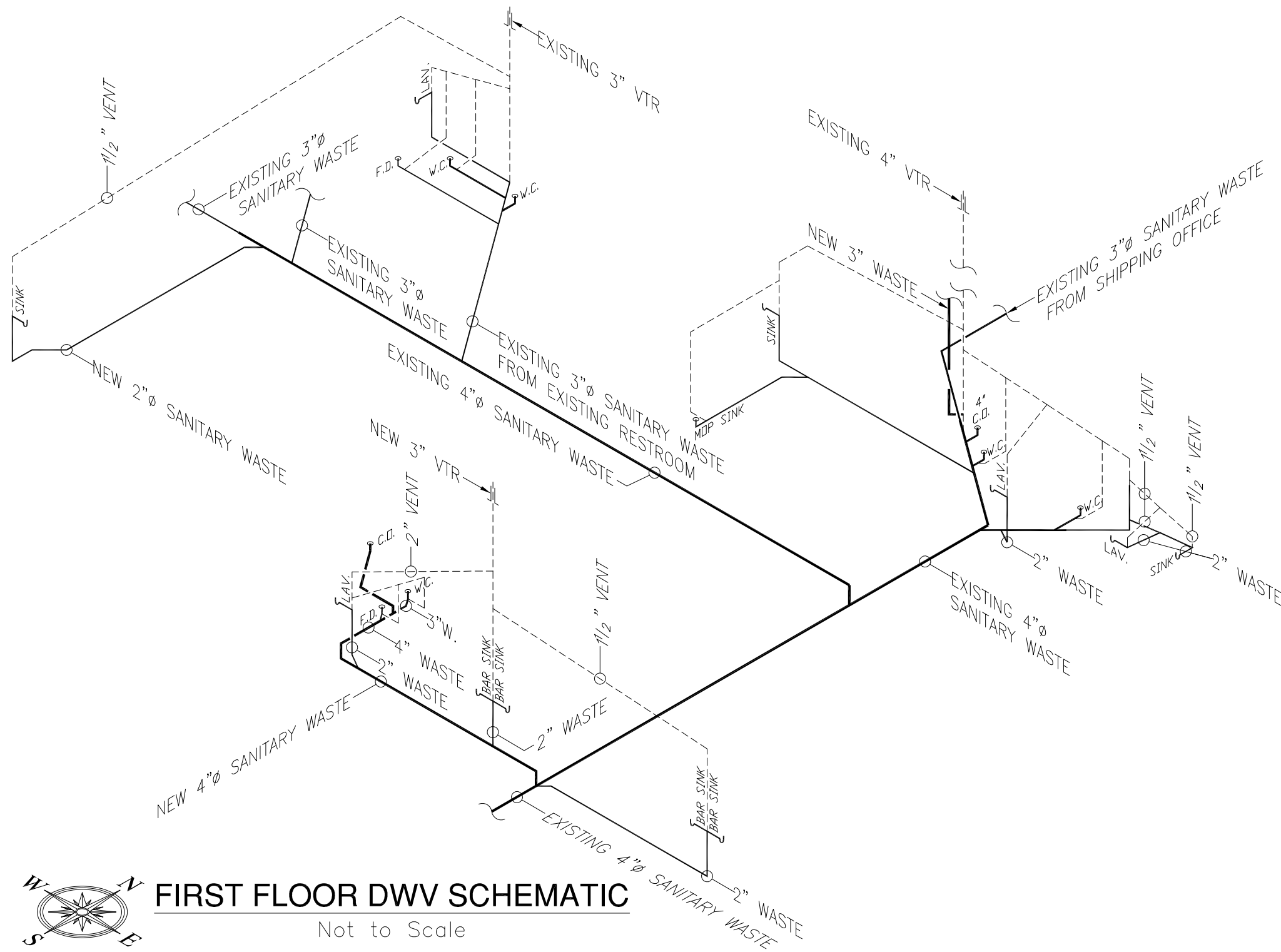
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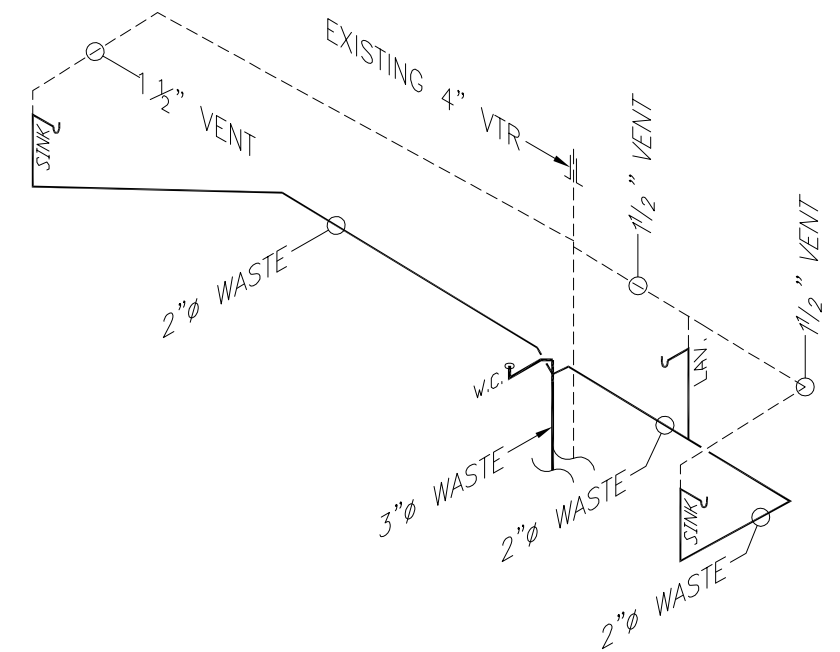
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8/09/17	
REVISED 8/25/17	
JOB #	
Interior Remodel	NO. P2.2





FIRST FLOOR DWV SCHEMATIC

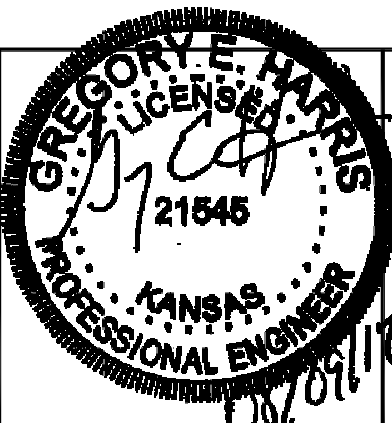
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SECOND FLOOR DWV SCHEMATIC

Not to Scale

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