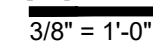


 EXISTING DUPLEX OUTLET TO REMAIN
 EXISTING OUTLET TO BE REMOVED
 NEW DUPLEX OUTLET
 NEW PHONE WALL BOX, CONDUIT TO CEILING
 AND 2'x4 WIRE - PHONE INSTALLATION BY TENANT
 EXISTING TELEPHONE BOX TO REMAIN
 EXISTING PHONE BOX TO BE REMOVED
 NEW SINGLE POLE WALL SWITCH
 EXISTING SINGLE POLE SWITCH TO REMAIN
 EXISTING SWITCH TO BE REMOVED
 NEW 2'x4 FLUORESCENT FIXTURE IN CEILING GRID
 OR EXISTING FIXTURE RELOCATED IN CEILING GRID
 EXISTING 2'x4 FLUORESCENT FIXTURE TO REMAIN
 EXISTING 2'x4 FLUORESCENT FIXTURE TO BE REMOVED
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING
 EXISTING



1. AREA SHALL REMAIN OPEN TO UNDERSIDE OF ROOF STRUCTURE - PAINT BLACK, ANY EXPOSED DUCTWORK SHALL BE INSULATED & PAINTED BLACK TO MATCH EXISTING.

2. NEW CEILING GRID SYSTEM @ 9'-0" AFF. W/ 6" HIGH PERIMETER EDGE. PROVIDE 2' x 2' x 1/2" WASHABLE, VINYL-FACE CEILING PANELS.

3. NEW CEILING SHALL BE 3/8" GYPSUM BOARD ON 3/8" METAL STUDS @ 16" O.C. TOP OF FACE OF SOFFIT SHALL BE UP TO UNDERSIDE OF LOWEST UTILITY ELEMENT (FIELD VERIFY PRIOR TO WORK).

4. FINISH ON FACE OF SOFFIT SHALL BE 'TWINSTED FRESH' TYPICAL GRAPHIC WALLCOVERING.

5. NEW TYPE 'I' EXHAUST HOOD - REFER TO CAPTIVE AIRE DUGS & MECHANICAL PLAN IM1.

6. NEW HEADERS TO BE 11'-0" AFF. HEADER TO BE 3/8" METAL STUD @ 16" O.C. REFER TO FINISH SCHEDULE.

7. CEILING TO BE 3/8" MOISTURE-RESISTANT GREENBOARD ON 3/8" METAL STUDS @ 16" O.C. CEILING HEIGHT TO BE 9'-0" AFF. PROVIDE BATT. SOUND INSULATION ABOVE THE CEILING.

8. CEILING GRID TO BE CHICAGO METALLIC 1/2" SYSTEM @ 9'-0" AFF. INSTALL 2' x 4' x 1/2" WASHABLE, VINYL-FACE CEILING PANELS.

9. LOCATION OF EXIT SIGNAGE PER LIGHTING PLAN IL1.



TENANT FINISH
TWISTED FRESH

940A NW PRYOR RD., LEE'S SUMMIT, MO 64081

**SULLIVAN
PALMER
ARCHITECTS**

8621 Johnson Dr.
Merriam, Kansas, 66202
PHONE: (913) 888-8540
FAX: (913)-888-0152

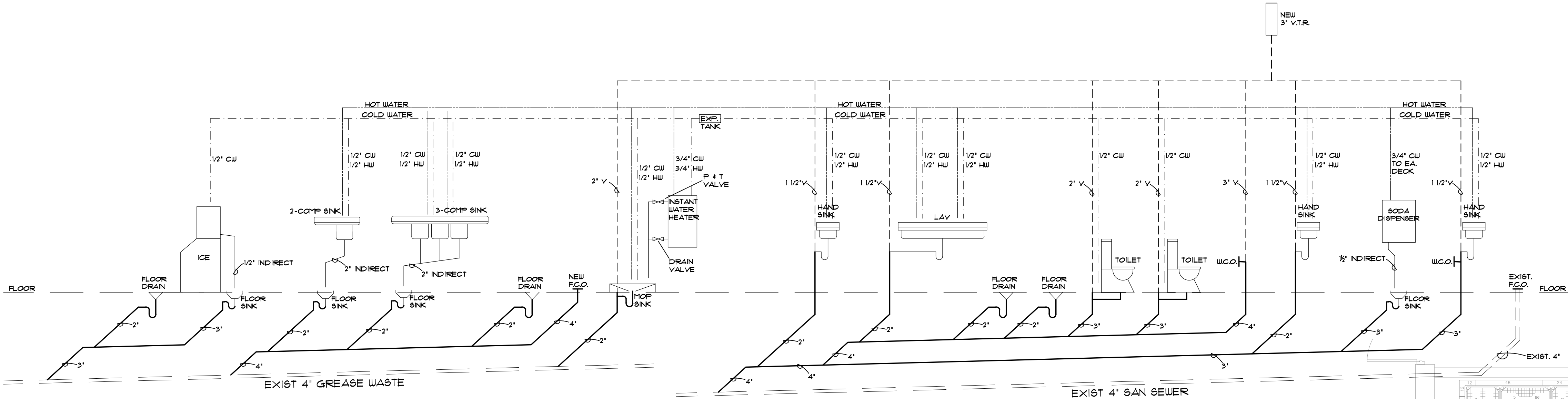
10-15-21

Drawn by:
CE

--	--

Sheet:

A2



3 PLUMBING RISER - SCHEMATIC

PI NO SCALE

- INSTALL EXPANSION TANK OFF WATER HEATER.
- WATER LINE TO WATER HEATER SHALL COME FROM EXISTING WATER LINE STUBBED IN SPACE.

Item No	Qty	Equipment Category	Manufacturer	Model Number	Volt	Ph	Amp	Watt	HW	CW	BTU	Equipment Remarks
1	2	P.O.S. CASH REGISTER	----	----	120	1						BY OWNER
2	10	48" x 24" S.S. WORK TABLE	ELKAY	SEWT24548-STG-X								-
3	2	COUNTERTOP FOOD WARMER	NEMCO	6055A	120	1	10	1200				-
4	2	2-SIDED SANDWICH/PANINI GRILL	STAR	GX14IS	120	1	15	1800				-
5	2	SANDWICH FOOD PREP REFRIGERATOR	NOR-LAKE	NLSMP60-24	120	1	7.9	948				-
6	2	SANDWICH/PANINI GRILL	GLOBE	GS614D	120	1	15	1800				-
7	3	HAND SINK	JOHN BOOS	PBHS-W-1410-P-SSLR					1/2"	1/2"		-
8	1	MICROWAVE	PANASONIC	NE-1054F	120	1	13.4	1608				-
9	1	6-BURNER RANGE W/ STANDARD OVEN	GARLAND	G36-6R							236,000	-
10	1	REFRIGERATED CHEF BASE	NOR-LAKE	NLCB72	120	1	3	345				-
11	1	COUNTERTOP GRIDDLE	WELLS	HDTG3630G							90,000	-
12	1	COUNTERTOP CHARBROILER	WELLS	HDCB-3630G							120,000	-
13	1	EXHAUST HOOD 10'-6" x 4'-6"	CAPTIVE AIRE									RE: MECH. & ELECT. DWGS FOR SPECS
14	1	1-COMP PREP SINK	SKIBEE	SKIC1T18181418L					1/2"	1/2"		-
15	1	ICE TEA URN			120	1						-
16	1	SODA DISPENSER			120	1				1/2"		RE: MANUF. SPECS FOR ICE MAKER ELECT. REQ.
17	1	BAG-IN-BOX			120	1						RE: MANUF. SPECS FOR ELECT. REQ.
18	1	8' x 10' WALK-IN COOLER	NOR-LAKE	KLB74810-C								RE: MANUF. SPECS FOR ELECT. REQ.
19	1	BUN PAN RACK	WINCO	ALRK-20								-
20	1	3-COMP SINK	SKIBEE	SKIC3T16201418RL					1/2"	1/2"		W/ PRE-RINSE FAUCET (1/2" HW & 1/2" CW)
21	1	ICE MACHINE	MANITOWOC	JYT0450A DN D-400 BIN	120	1	13.2	1584		1/2"		W/ 3M #ICE125-S WATER FILTER (1/2" CW)
22	1	36" x 24" S.S. SHELVING UNIT										-
23	1	MOP SINK	ADVANCE TABCO	9-OP-20-EC-X (OR APPROVED EQUAL)					1/2"	1/2"		-
24	1	75 GALLON WATER HEATER	A.O. SMITH	BTXL-100 (OR APPROVED EQUAL)							100,000	MOUNT ON PLATFORM ABOVE MOP SINK
25	1	ELECTRIC FOOD PROCESSOR	ROBOT COUPE	R2N	120	1	7	840				-
26	5	48" x 24" S.S. SHELVING UNIT										-

- PLUMBING GENERAL NOTES:
- ALL PLUMBING SYSTEMS TO COMPLY WITH INTERNATIONAL BUILDING CODE AND ALL APPLICABLE LOCAL CODES.
 - ALL PIPING (NEW AND EXISTING) SHALL BE CONCEALED, UNLESS INDICATED OTHERWISE.
 - ALL PLUMBING FIXTURES TO MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT FOR PUBLIC ACCOMMODATIONS. ALL TOILET FIXTURES AND MOUNTING HEIGHTS TO COMPLY WITH ADA REQUIREMENTS.
 - EXISTING 4" SANITARY SEWER LINE (FIELD VERIFY) UNDERSLAB TO REMAIN - TAP INTO LINE FOR NEW EQUIPMENT NEEDS.
 - ALL HOT AND COLD WATER LINES TO BE PE-X (ALTERNATE: TYPE L COPPER WITH SWEAT FITTINGS).
 - FLOOR DRAINAGE SHALL HAVE TRAP SEALS OR TRAP SEAL PRINTER VALVES.
 - ALL INTERIOR DRAINAGE PIPING TO BE ABS OR PVC (PER LOCAL CODES) TYPE WITH WELDED JOINTS AND FITTINGS.
 - ALL GAS LINES TO BE DUCTILE IRON TYPE. ALL QUICK CLOSING AND QUARTER TURN VALVES TO HAVE WATER WARMER ARMRESTORS.
 - NO PLUMBING LINES SHALL BE EXPOSED.
 - PROVIDE VACUUM BREAKER ON MOP SINK.
 - ALL MEMBRANE PENETRATIONS SUCH AS STEEL, FERROUS, COPPER, PIPES, VENTS, ELECTRICAL OUTLET BOXES OR TUBES ARE TO BE PROTECTED MAINTAINING THE FIRE RESISTANCE INTEGRITY OF THE DEMISING WALLS.
 - LOCATE HAND SINKS AT 34" AFF TO TOP OF FLOOR RIM.
 - PROVIDE TEMPERING VALVES AT ALL HAND SINKS.
 - INSTALL NEW USC-APPROVED REDUCED PRESSURE ASSEMBLY (RPA) ON MAIN WATER SUPPLY LINE TO TENANT SPACE, IF NONE IS CURRENTLY EXISTING (FIELD VERIFY PRIOR TO WORK). NEW RPA SHALL BE 3/4" WATTS 1"PODS.
 - PROVIDE NEW 3/4" COLD WATER LINE TO ICE MACHINE FILTRATION SYSTEM. CONNECT 1/2" FILTERED WATER TO NEW ICE MACHINE W/ SHUT-OFF VALVE. PROVIDE BACKFLOW DEVICE PRIOR TO CONNECTION TO WATER FILTER.

SYMBOLS & LEGEND

- | | |
|---|--|
| <p>EXISTING DUPLEX OUTLET TO REMAIN</p> <p>NEW DUPLEX OUTLET</p> <p>NEW PHONE WALL BOX, CONDUIT TO CEILING AND PULL WIRE. PHONE INSTALLATION BY TENANT</p> <p>EXISTING TELEPHONE BOX TO REMAIN</p> <p>EXISTING PHONE BOX TO BE REMOVED</p> <p>NEW SINGLE POLE WALL SWITCH</p> <p>EXISTING SINGLE POLE SWITCH TO REMAIN</p> <p>EXISTING SWITCH TO BE REMOVED</p> <p>NEW 2'x4' FLUORESCENT FIXTURE IN CEILING GRID OR EXISTING FIXTURE RELOCATED IN CEILING GRID</p> <p>EXISTING 2'x4' FLUORESCENT FIXTURE TO REMAIN</p> <p>EXISTING 2'x4' FLUORESCENT FIXTURE TO BE REMOVED</p> <p>CEILING MOUNTED SUPPLY GRILL</p> <p>CEILING MOUNTED RETURN AIR GRILL</p> <p>EXISTING</p> <p>NEW</p> <p>RELOCATED</p> <p>EXISTING WALL PANELS TO BE REMOVED</p> <p>EXISTING WALL TO REMAIN</p> <p>NEW WALL CONSTRUCTION TO BE 3-5/8" MTL. STUDS @ 16" O.C. WITH 5/8" GYPS. BD. ON BOTH SIDES, TAPE, SAND AND FINISH PER FINISH SCHEDULE</p> <p>NEW DOORS AND FRAMES TO MATCH EXISTING. AT NEW GYP. BD. PARTITIONS. INSTALL NEW DOORS AND FRAMES, AND HARDWARE TO MATCH EXISTING. RE: FLOOR PLAN NOTES.</p> | <p>HOT/HEAT, ARROWHEADS INDICATE NUMBER OF CIRCUITS</p> <p>NEW BRANCH CIRCUIT, CONCEALED IN WALL, CEILING, OR SLAB.</p> <p>DUPLEX RECEPTACLE</p> <p>FOURPLEX RECEPTACLE</p> <p>GROUND FAULT INTERRUPT DUPLEX (GFI)</p> <p>TELEPHONE OUTLET</p> <p>DATA OUTLET</p> <p>SINGLE POLE SWITCH</p> <p>THREE WAY SWITCH</p> <p>SINGLE POLE KEYED SWITCH</p> <p>JUNCTION BOX</p> <p>DISCONNECT SWITCH</p> <p>FUSED DISCONNECT SWITCH</p> <p>MOTOR</p> <p>MANUAL MOTOR STARTER</p> <p>THERMOSTAT</p> <p>COMBINATION STARTER/DISCONNECT</p> <p>FLOW SWITCH</p> <p>OCC. SENSOR W/ AUTOMATIC-ON CONTROL</p> <p>OCC. SENSOR W/ MANUAL-ON CONTROL</p> |
|---|--|

2 WTR. HTR. SUPPORT SHELF

PI NO SCALE

PIPING INSULATION SCHEDULE

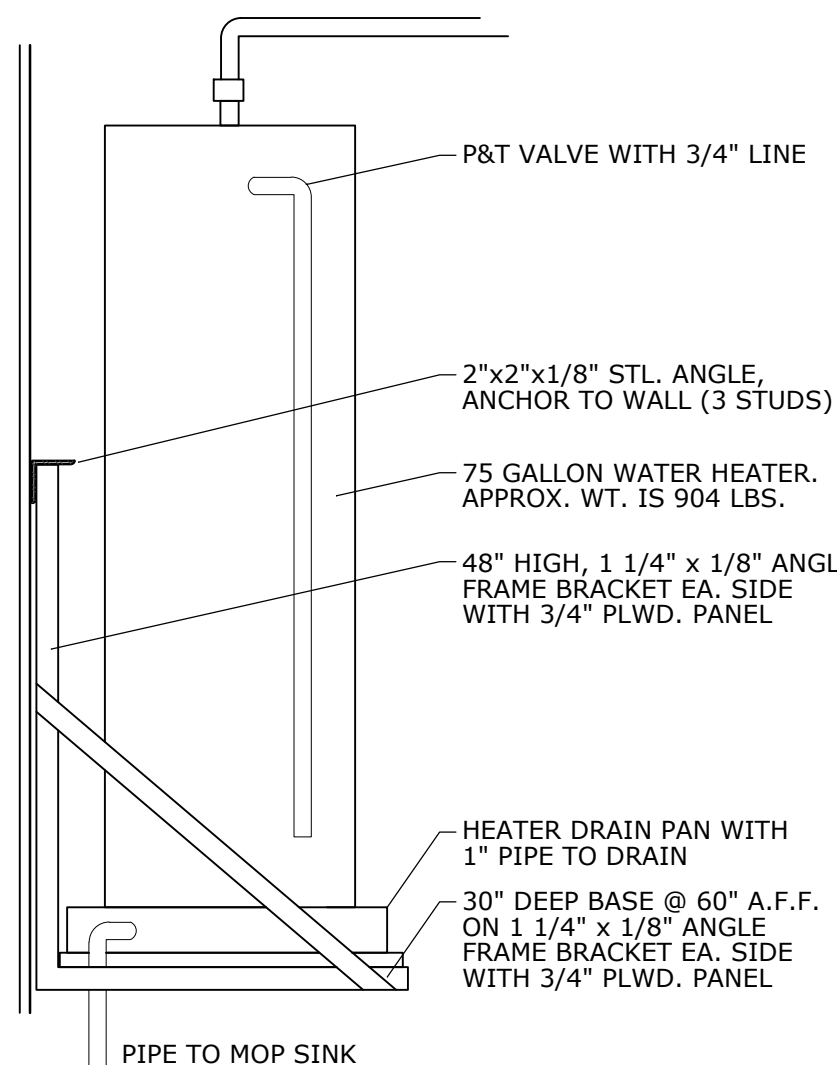
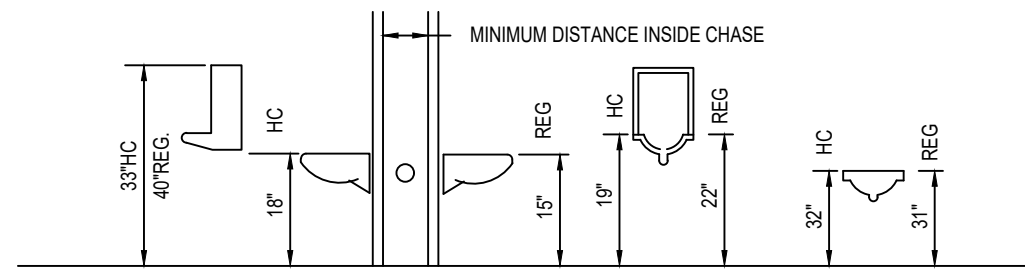
PIPE SYSTEM	INSULATION	THICKNESS	TEMP.	U-VALUE
ROOF DRAINS	OWENS CORNING ASAUSLL-11	1"	150°F	
REFRIGERANT SUCTION		1"	-20°F TO 70°F	27 PER INCH (MIN.)
DOMESTIC HOT & COLD HORIZONTAL MAINS ONLY		1"	-20°F TO 70°F	27 PER INCH (MIN.)
HANDICAP "P" TRAP & HOT WATER UNDER LAVATORY		1/2"	-20°F TO 70°F	

- NOTE: ALL HORIZONTAL HOT & COLD WATER MAINS ARE TO BE INSULATED. VERTICAL MAINS AS NOTED OR SHOWN ON PLANS.
- INSULATE IN CONDITIONED AND UNCONDITIONED SPACES.
- * WASTE & VENT PIPING WITHIN 6 LINEAR FEET OF ROOF DRAIN OR PIPING SHALL BE INSULATED AS PER FOLLOWING:
- ROOF DRAIN INSULATION: FIBERGLASS PIPE INSULATION - (UP TO 10" SIZES) PREFORMED FIBERGLASS UL LISTED, 0.30 BTU-INH-SF THERMAL CONDUCTIVITY AT 150°F, WITH ALL SERVICE JACKET, DOUBLE SELF SEALING LAP WITH 0.02 PERM-IN. OWENS CORNING ASA-SSL-11.
- ** FLEXIBLE UNCELLULAR (UP THRU 2") UNCELLULAR ELASTOMERIC CLOSED CELL INSULATION, 0.27 BTU-INH-SF THERMAL CONDUCTANCE AT 75°F, 3% MAXIMUM WATER ABSORPTION BY WEIGHT, ARMSTRONG AP ARMAFLEX OR RUBATEX.

PLUMBING CONNECTION/MOUNT.

FIXTURE	HOT WATER	COLD WATER	WASTE	VENT
LAVATORY OR SINK	1/2"	1/2"	1-1/2"	1-1/2"
WATER CLOSET W/ FV		1"	3"	3"
WATER CLOSET, TANK TYPE		1/2"	2"	1-1/2"
URINALS		3/4"	2"	1-1/2"
SERVICE SINKS	1/2"	1/2"	2"	2"
MOP BASINS	1/2"			

FIXTURE	MOUNTING HEIGHT
LAVATORY OR SINK	31" FLOOR TO RIM
HANDICAPPED LAVATORIES	34" FLOOR TO RIM
WATER CLOSET	15" FLOOR RIM
HANDICAPPED WATER CLOSET	18" FLOOR TO RIM
STANDARD URINALS	22" FLOOR TO RIM
HANDICAPPED URINALS	17" FLOOR TO RIM



1 PLUMBING PLAN

PI 1/4" = 1'

- * PRIOR TO WORK, CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERSLAB PLUMBING (SANITARY SEWER & GREASE WASTE) AT PARKING GARAGE LEVEL BELOW.

GAS FIXTURES	
(4) FRYERS	360,000 BTU
4-BURN RANGE	132,000 BTU
3" CHARBROILER	120,000 BTU
3" GRIDDLE	90,000 BTU
75 GAL. WTR. HTR.	100,000 BTU
TOTAL	866,676 BTU



ENGINEERING, INC.
CONSULTING STRUCTURAL AND CIVIL ENGINEERS
3907 E. BAYVIEW TRAFFICWAY, RAYTOWN, MO
P.O. Box 185258 Raytown, Missouri 64113
816/358-1445 Fax 816/358-8364

TENANT FINISH
SDC
TWISTED FRESH
940A NW PRYOR RD., LEE'S SUMMIT, MO 64081

SULLIVAN PALMER ARCHITECTS
1000 N. Kansas, 68202
St. Louis, Missouri
Phone: (314) 388-0102
Fax: (314) 388-0102

Date: 10-15-21

Revision:

Drawn by: NCE

Sheet: **P1**

GENERAL REQUIREMENTS

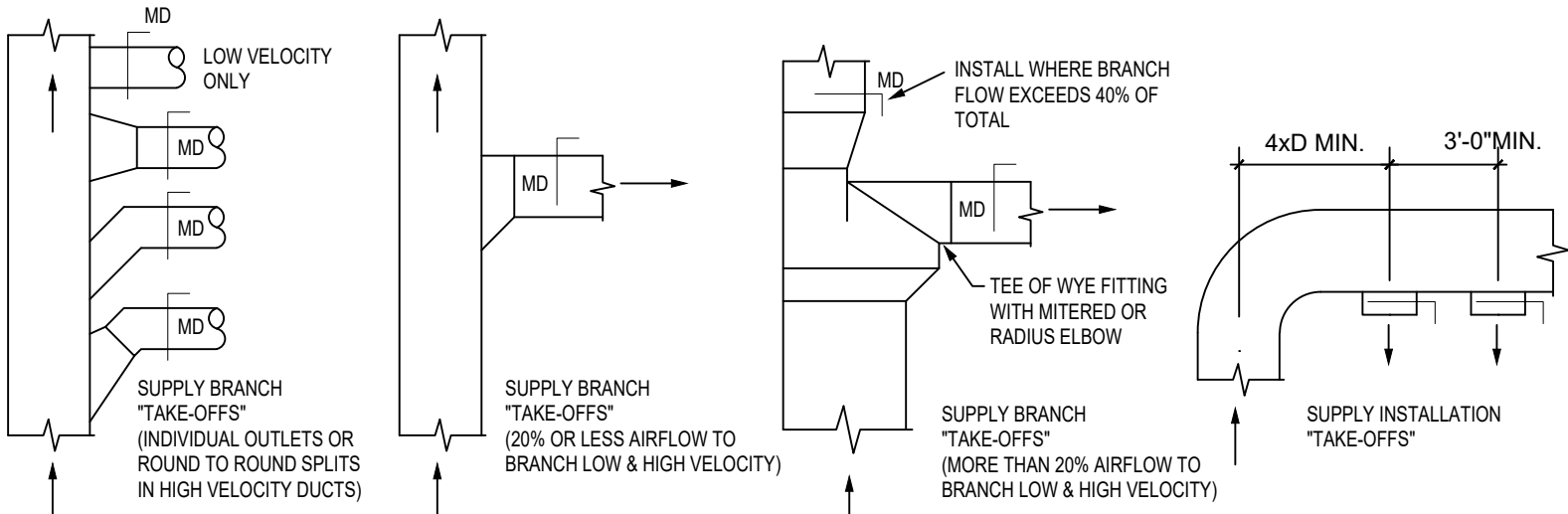
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL BUILDING, MECHANICAL, PLUMBING CODES NATIONAL ELECTRICAL CODE, NATIONAL FIRE PROTECTION CODE, EPA REGULATIONS, AND OCCUPATIONAL SAFETY & HEALTH ACT.
- CONTRACTOR SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT TO PROVIDE COMPLETE AND FUNCTIONING INSTALLATIONS, AND ALL MATERIAL AND EQUIPMENT SHALL BE NEW UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL PROTECT ALL EXISTING WORK TO REMAIN, AND SHALL REPAIR ANY DAMAGED INCIDENTAL TO PERFORMANCE OF NEW WORK.
- INTERFERENCE WITH OWNERS OPERATIONS OR INTERRUPTION OF SERVICES SHALL BE FULLY COORDINATED WITH OTHERS.
- ACCEPTANCE OF WORK SHALL BE SUBJECT TO OWNER'S REPRESENTATIVE APPROVAL OF WORK IN PLACE AS WELL AS SHOP DRAWINGS AND SAMPLES OF MATERIALS & EQUIPMENT WHICH SHALL BE CHECKED BY CONTRACTOR BEFORE SUBMITTAL.
- CONTRACTOR SHALL SUBMIT MARKED UP CLEAN PRINTS OF AS-BUILT CONDITIONS SHOWING CONCEALED DEVIATIONS FROM DESIGN.
- CONTRACTOR SHALL KEEP PREMISES OF WORK AREA CLEAN DAILY, BROOM CLEAN AT PROJECT COMPLETION, AND SHALL REMOVE ALL REFUSE FROM SITE REGULARLY.
- CONTRACTOR SHALL BECOME COMPLETELY FAMILIAR WITH EXISTING CONDITIONS BEFORE STARTING NEW WORK. CONCEALED CONDITIONS SHALL BE ADDRESSED WITH DUE CAUTION SUCH THAT UTILITIES & SYSTEMS ARE PROTECTED.
- CONTRACTOR SHALL CUT AND PATCH HOLES IN EXISTING CONSTRUCTION AS REQUIRED FOR NEW WORK WITH DUE CAUTION SUCH AS STRUCTURAL AND WEATHER-PROOF INTEGRITY IS MAINTAINED WITHOUT IMPAIRMENT.
- CONTRACTOR SHALL WARRANTY ALL NEW WORK FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE AND SHALL REPAIR OR REPLACE AND DEFECTIVE WORK INCLUDING MATERIAL, LABOR & EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
- EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE TAKEN FROM THE BEST INFORMATION AVAILABLE ON PREVIOUS CONTRACT DRAWINGS AND FROM VISUAL SITE INSPECTIONS AND ARE NOT TO BE CONSTRUCTED AS "AS-BUILT" CONDITIONS, BUT ARE TO INDICATE THE INTENT OF THIS WORK.
- UNLESS SPECIFIED OTHERWISE, ALL EXISTING MATERIAL AND EQUIPMENT SHOWN OR REQUIRED TO BE REMOVED FROM EXISTING CONSTRUCTION AND NOT SHOWN TO BE REUSED OR TURNED OVER TO THE CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM THE SITE.
- ALL PERMITS AND LICENSES THAT ARE REQUIRED BY GOVERNING AUTHORITIES FOR THE PERFORMANCE OF MECHANICAL AND ELECTRICAL WORK SHALL BE PROCURED AND PAID FOR BY THE CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL EQUIPMENT IN SUCH A MANNER AS TO CONTROL THE TRANSMISSION OF NOISE AND VIBRATION FROM ANY INSTALLED EQUIPMENT OR SYSTEM, SO THE SOUND LEVEL SHALL NOT EXCEED NC35, IN ANY OCCUPIED SPACE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY OBJECTIONABLE NOISE IN ANY OCCUPIED AREA DUE TO IMPROPERLY INSTALLED EQUIPMENT.
- MECHANICAL CONTRACTOR SHALL COORDINATE EXACT DUCT DIMENSIONS AND ROUTING WITH ARCHITECTURAL REFLECTED CEILING PLAN AND THE LAYOUT OF RECESSED LIGHT FIXTURES SHOWN ON ELECTRICAL DRAWINGS AND MAKE ONLY APPROVED CHANGES TO MAINTAIN SPECIFIED CEILING HEIGHTS.
- MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF DIFFUSERS, REGISTERS AND GRILLS WITH ARCHITECTURAL REFLECTED CEILING PLAN AND ELECTRICAL LIGHT LAYOUT.
- MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ROOF TOP EQUIPMENT AND DUCT PENETRATIONS WITH STRUCTURAL.
- MECHANICAL CONTRACTOR SHALL SIZE AND INSTALL REFRIGERANT PIPING TO EQUIPMENT AS RECOMMENDED BY EQUIPMENT MANUFACTURER, INCLUDE ALL NECESSARY CONTROLS AND INTERLOCK WIRING, INSULATE SUCTION PIPING W/ 1" THICK ARMAFLEX (OUTDOOR INSULATION SHALL BE ULTRAVIOLET PROTECTED) W/ A U-VALUE OF .27 PER INCH(MIN.).
- MECHANICAL CONTRACTOR SHALL PROVIDE SMOKE DETECTOR IN RETURN AIR DUCT OF AIR HANDLING SYSTEMS OF 2000 CFM OR LARGER CAPACITY FOR THE AUTOMATIC SHUT-OFF OF THE SYSTEM UPON SIGNAL FROM THE SMOKE DETECTOR. EQUAL TO FENWALL DN31; BRK DH1851AC OR ROBERT SHAW 2650-150 SERIES.
- RECTANGULAR DUCT TO BE CONSTRUCTED OF PRIME GALVANIZED SHEET METAL LINED WITH 1/2", 3 lb. DENSITY FIBERGLASS INSULATION, ROUND FLEXIBLE DUCT TO BE THERMAFLEX TYPE MKC OR EQUAL WITH 1" FIBERGLASS INSULATION EXTERNALLY WRAPPED. PLANS REFLECT COMPENSATION OF 1/2" INTERIOR INSULATION LINER.
- MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL TURNING VANES AND VOLUME EXTRACTOR WHERE SHOWN ON DRAWINGS AND AS REQUIRED FOR SMOOTH AIRFLOW.
- MECHANICAL CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO SUBMITTING A BID. FIELD CHECK AND VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING EQUIPMENT AND REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL WIRING AND ELECTRICAL INTERLOCKS WITH THE ELECTRICAL CONTRACTOR.
- PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO SUBMITTING A BID. FIELD VERIFY ALL UTILITIES LOCATION, SIZE ACCESSIBILITY AND FEES. REPORT ANY DISCREPANCIES TO THE ENGINEER/ARCHITECT IMMEDIATELY.
- PLUMBING CONTRACTOR TO PROVIDE WHEELHANDLE STOPS AND AIR CHAMBERS ON ALL HOT & COLD WATER LINE PRIOR TO CONNECTION TO EACH FIXTURES.
- PLUMBING CONTRACTOR TO CONNECT ALL GAS (PROPANE) LINES TO GAS FIRED EQUIPMENT THRU GAS COCK, UNION, & DIRT LEG, (PER AGA STANDARDS).
- FIRE DAMPERS ARE REQUIRED AT EACH FIRE RATED WALL, CEILING AND FLOOR DUCT PENETRATION AS SHOWN OR NOTED ON MECHANICAL AND ARCHITECTURAL FLOOR PLANS (SEE DETAIL). FIELD IDENTIFY DUCT SIZE FOR SPECIFIC DAMPER SIZES, AND PROVIDE ACCESS PANELS AS REQUIRED FOR EACH FIRE DAMPER.
- MECHANICAL CONTRACTOR TO INSTALL NEW CEILING DIFFUSERS SHOWN, IN NEW REFLECTED CEILING PLAN CONFIGURATION. SEE ARCHITECTURAL AND ELECTRICAL PLANS FOR COORDINATION, SPEAKERS, AND ALARM SYSTEMS.
- ALL MEMBRANE PENETRATIONS SUCH AS STEEL, FERROUS, COPPER, PIPES, VENTS, ELECTRICAL OUTLET BOXES, OR TUBES ARE TO BE PROTECTED MAINTAINING THE FIRE RESISTANCE INTEGRITY OF THE DEMISING WALLS.
- HVAC DUCT DETECTORS ARE TO BE IN THE RETURN AIR DUCT. DUCT DETECTORS TO Tie INTO THE BUILDING FIRE ALARM SYSTEM.
- HVAC UNITS TO HAVE DUCT SMOKE DETECTORS INSTALLED, AND SHALL HAVE REMOTE INDICATORS IF THE DETECTORS ARE IN CONCEALED LOCATIONS OR MORE THAN 10' OFF THE FLOOR. SMOKE DETECTORS MUST BE READILY VISIBLE TO FIRE DEPARTMENT PERSONNEL.

SCHEDULE OF PIPE AND FITTING MATERIAL

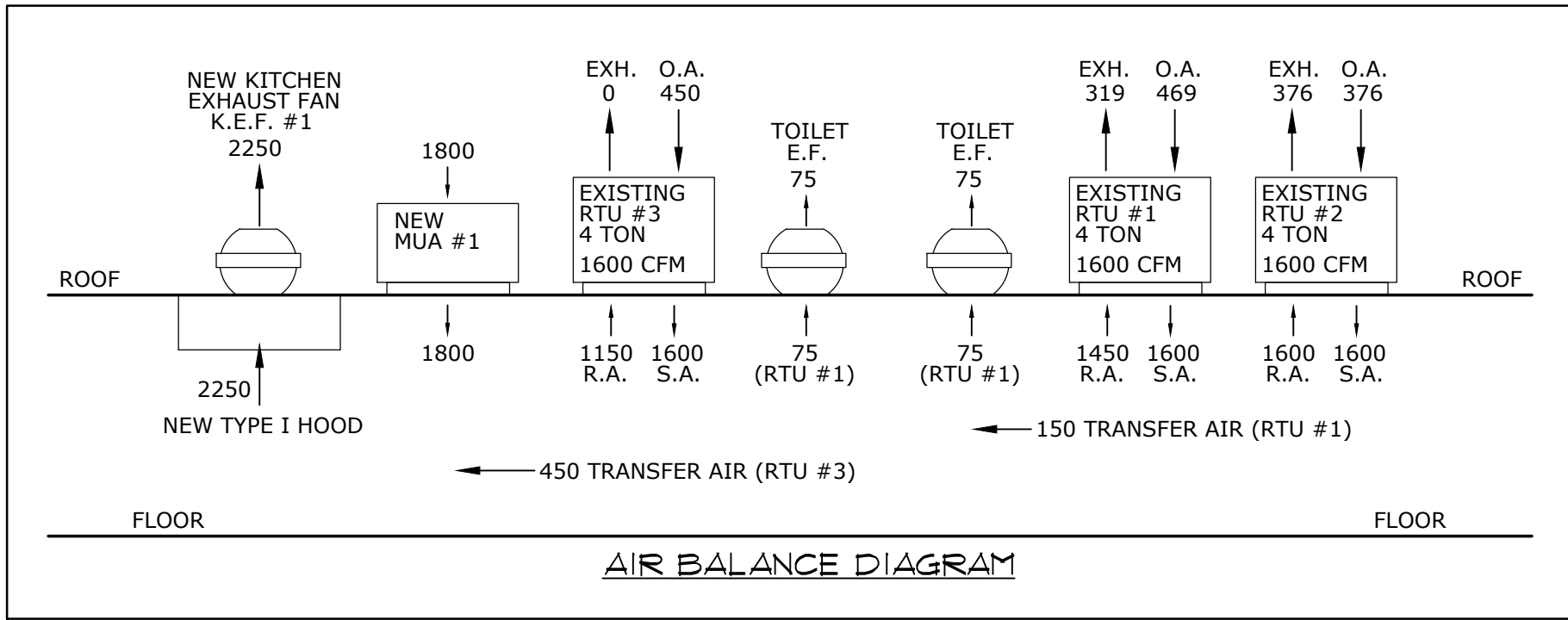
SERVICE	MATERIAL	JOINTS	FITTINGS	NOTES
CONDENSATE DRAINS	COPPER "M" HARD	SOLDERED OD BRAZED	WROUGHT COPPER OR CAST BRONZE	①
VENTS AND WASTE LINES (ABOVE GROUND)	SERVICE WEIGHT CAST IRON (CI)	LEAD OR TYSEAL	CAST IRON	①
SOIL LINES (BELOW GROUND) - UNDER SLAB	CAST IRON (CI)	LEAD OR TYSEAL	CAST IRON	②
REFRIGERANT AND DOMESTIC WATER PIPE -(BELOW GROUND) SMALLER THAN 3"	COPPER "K" SOFT DRAWN	SOLDERED OR BRAZED	WROUGHT COPPER OR CAST BRONZE	⑥ ⑦
DOMESTIC WATER 3" AND LARGER	DUCTILE IRON	MECHANICAL		
DOMESTIC WATER PIPE (ABOVE GROUND)	COPPER "L" HARD ASTM C-200	SOLDERED OR BRAZED	WROUGHT COPPER OR CAST BRONZE	⑦
SEWER LINE PIPING (BELOW GROUND) NOT UNDER SLAB	VCP EXTRA STRENGTH ASTM C-200	ASTM C-425	ASTM C-200	① ②
GAS PIPE (BELOW GROUND)	SCHEDULE 40, BLACK STEEL-TRUE COATED AND WRAPPED	CAST IRON	CAST IRON MALLEABLE IRON	③ ④
GAS PIPE (ABOVE GROUND)	SCHEDULE 40 BLACK STEEL	SCREWED	CAST IRON MALLEABLE IRON	③ ⑤

NOTES

- PVC OR ABS SCHEDULE 40, SOLVENT WELDED JOINTS MAY BE USED ONLY WITH WRITTEN AUTHORIZATION OF APPROVAL BY LOCAL INSPECTING AUTHORITY SUBMITTED BELOW TO ARCHITECT AND ENGINEER PRIOR TO BIDDING. CONDITIONS OF NOTE BELONG TO SCR-35 SANITARY PIPE WHEN APPROVED.
- NO PVC OR ABS TO BE USED IN TYPE II CONSTRUCTION, THROUGH OR IN RETURN AIR PLENUMS, IN CITIES WHERE SUCH MATERIAL IS NOT ACCEPTABLE, OR BELOW BUILDING SLAB OR DRIVEWAY SURFACES.
- SCREWED GAS CONNECTION FOR 2" AND SMALLER, WELDED CONNECTION FOR 2" AND LARGER, AND IN RETURN AIR PLENUMS.
- THREADS AND WELDS PAINTED PRIOR TO WRAPPING, ALL EXTERIOR PIPING (ESPECIALLY ON ROOF) TO BE PAINTED (COLOR BY ARCHITECT) TO MATCH ADJACENT SURFACE. PROVIDE CATHODIC UNDERGROUND PROTECTION ON GAS PIPING AS RECOMMENDED BY LOCAL KPL GAS SERVICE (FOR GOVERNING AUTHORITY)
- CONNECT ALL GAS TO EQUIPMENT THROUGH GAS COCK, UNION AND DIRT LEG.
- NO WATER FITTINGS OR CONNECTIONS BELOW FLOOR SLAB, MAKE GRADUAL BEND OR RADII.
- PROVIDE AIR CHAMBERS 18" TALL PRIOR TO CONNECTION OF HOT/COLD WATER LINES TO PLUMBING FIXTURES. COLD WATER LINES TO PLUMBING FIXTURES, ALL POTABLE WATER SYSTEMS SOLDERING TO BE 55S, TIN ANTIMONIAL OR UL, BOCA, UPC APPROVAL FOR SUBSTITUTION.



DUCT STANDARDS
NO SCALE



OUTDOOR AIR REQUIREMENTS:

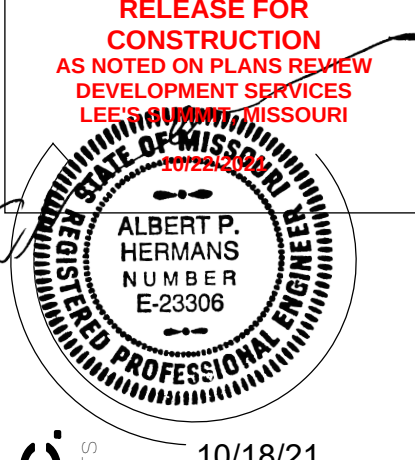
EXISTING RTU #1
DINING: 10 Occ per 1000 SF. = 313 SF. / 1000 SF.
= 313 X 10 = 2611 Occ X 1.5 CFM per Occ
= 195.825 CFM
.18 CFM per SF. = .18 CFM X 313 SF.
= 57.14 CFM
195.825 + 57.14 = 252.965 CFM / 0.8 = 328.7
RESTROOMS: 10 CFM per Fixture
= 10 CFM X 1 Fixture
= 10 CFM
TOTAL: 469 CFM
EXISTING RTU #2
DINING: 10 Occ per 1000 SF. = 666 SF. / 1000 SF.
= 666 X 10 = 46.61 Occ X 1.5 CFM per Occ
= 349.65 CFM
.18 CFM per SF. = .18 CFM X 666 SF.
= 119.88 CFM
349.65 + 119.88 = 469.53 CFM / 0.8 = 375.6
TOTAL: 376 CFM
EXISTING RTU #3
KITCHEN: 20 Occ per 1000 SF. = 815 SF. / 1000 SF.
= 815 X 20 = 16.3 Occ X 1.5 CFM per Occ
= 122.25 CFM
.12 CFM per SF. = .12 CFM X 815 SF.
= 97.8 CFM
122.25 + 97.8 = 220.05 CFM / 0.8 = 275.1
DINING: 10 Occ per 1000 SF. = 16 SF. / 1000 SF.
= 0.16 X 10 = 5.32 Occ X 1.5 CFM per Occ
= 39.9 CFM
.18 CFM per SF. = .18 CFM X 16 SF.
= 13.68 CFM
39.9 + 13.68 = 53.58 CFM / 0.8 = 67
HALL: 0.6 CFM per SF. = .06 CFM X 123 SF.
= 7.38 CFM / 0.8 = 9.2
TOTAL: 351 CFM

SYMBOLS & LEGEND

- EXISTING DUPLEX OUTLET TO REMAIN
- EXISTING DUPLEX OUTLET TO BE REMOVED
- NEW DUPLEX OUTLET
- NEW PHONE WALL BOX, CONDUIT TO CEILING AND PULL WIRE - PHONE INSTALLATION BY TENANT
- EXISTING TELEPHONE BOX TO REMAIN
- EXISTING PHONE BOX TO BE REMOVED
- NEW SINGLE POLE WALL SWITCH
- EXISTING SINGLE POLE SWITCH TO REMAIN
- EXISTING SWITCH TO BE REMOVED
- NEW 2'x4' FLUORESCENT FIXTURE IN CEILING GRID OR EXISTING FIXTURE RELOCATED IN CEILING GRID
- EXISTING 2'x4' FLUORESCENT FIXTURE TO REMAIN
- EXISTING 2'x4' FLUORESCENT FIXTURE TO BE REMOVED
- CEILING MOUNTED SUPPLY GRILL
- CEILING MOUNTED RETURN AIR GRILL
- EXISTING TOILET FAN
- NEW EXIT LIGHT W/ BATTERY BACK-UP
- RELOCATED EMERGENCY LIGHT
- EXISTING WALL PANELS TO BE REMOVED
- EXISTING WALL TO REMAIN
- NEW WALL CONSTRUCTION TO BE 3-5/8" MTL. STUDS @ 16" O.C. WITH 5/8" GYP. BD. ON BOTH SIDES, TAPE, SAND AND FINISH PER FINISH SCHEDULE
- NEW DOORS AND FRAMES TO MATCH EXISTING. AT NEW GYP. BD. PARTITIONS. INSTALL NEW DOORS AND FRAMES, AND HARDWARE TO MATCH EXISTING. RE: FLOOR PLAN NOTES.
- HOMERUN ARROWHEADS INDICATE NUMBER OF CIRCUITS
- NEW BRANCH CIRCUIT, CONCEALED IN WALL, CEILING, OR SLAB.
- DUPLEX RECEPTACLE
- FOURPLEX RECEPTACLE
- GROUND FAULT INTERRUPT DUPLEX (GFI)
- TELEPHONE OUTLET
- DATA OUTLET
- SINGLE POLE SWITCH
- THREE WAY SWITCH
- SINGLE POLE KEYED SWITCH
- JUNCTION BOX
- DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- MOTOR
- MANUAL MOTOR STARTER
- THERMOSTAT
- COMBINATION STARTER/DISCONNECT
- FLOW SWITCH
- OCG. SENSOR W/ AUTOMATIC-ON CONTROL
- OCG. SENSOR W/ MANUAL-ON CONTROL

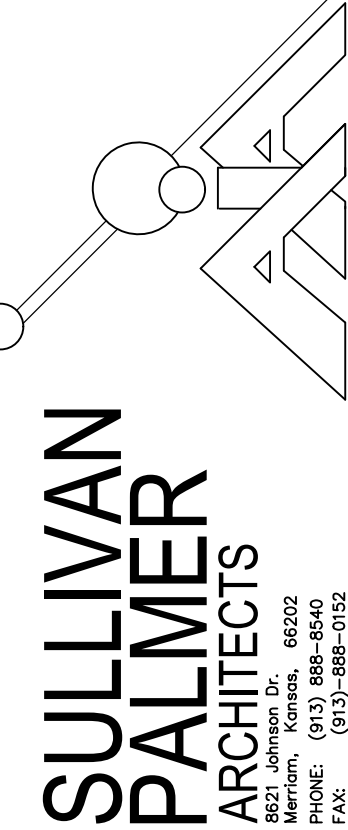
MECHANICAL PLAN
1/4" = 1'-0"

- CONTRACTOR SHALL FIELD VERIFY EXISTING RTU SIZE PRIOR TO WORK.
- CONTRACTOR TO REPORT ANY ISSUES WITH ARCHITECT/ENGINEER PRIOR TO WORK.
- FIELD VERIFY EXISTING ROOF-MOUNTED (3) AIR CONDITIONERS PRIOR TO WORK.
- NO FLEXIBLE DUCT RUNS SHALL BE LONGER THAN 14'.
- ANY INTAKE AIR LOCATIONS SHALL BE LOCATED 10'-0" MIN. FROM ANY EXTERIOR EXHAUST.
- TYPE I HOOD'S MANUAL PULL STATION SHALL BE INSTALLED BETWEEN 10'-20' FROM EXHAUST SYSTEM.



10/18/21

TENANT FINISH
TWISTED FRESH
940A NW PRYOR RD., LEE'S SUMMIT, MO 64081



Date:

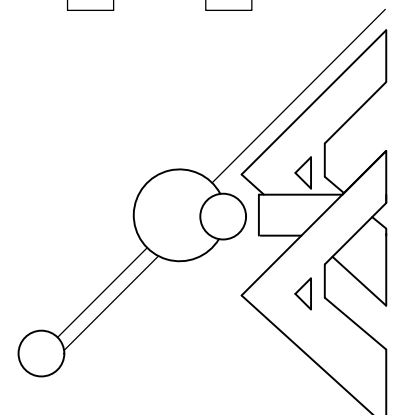
10-15-21

Revision:

Drawn by:
NCE

Sheet:

M1



ELECTRICAL SPECIFICATIONS

1. CONDUIT

- (A) ALL ELECTRICAL WIRING, INCLUDING LOW VOLTAGE WIRING, SHALL BE INSTALLED CONDUIT AS HEREIN SPECIFIED. NO CONDUIT OR TUBING OF LESS THAN 3/4 INCH NOMINAL SIZE SHALL BE USED, FOR EMT. ONLY COMPRESSION TYPE FITTINGS SHALL BE USED (MINIMUM SIZE 3/4 INCH).
- (B) CONDUIT SHALL BE HOT-DIP GALVANIZED INSIDE AND OUTSIDE INCLUDING ENDS AND THREADS AND ENAMELED OR LACQUERED INSIDE IN ADDITION TO GALVANIZING.
- (C) CONDUIT FOR INTERIOR WIRING, IN GENERAL, SHALL BE RIGID GALVANIZED STEEL ON EMT UNLESS OTHERWISE NOTED. CONDUIT INSTALLED IN CONCRETE SLABS AND ON THE EXTERIOR OF THE BUILDING SHALL BE RIGID STEEL. SHORT RUNS OF GALVANIZED FLEXIBLE CONDUIT SHALL BE USED FOR THE CONNECTIONS OF MOTOR DRIVEN EQUIPMENT.
- (D) RACEWAYS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND FITTING TO FITTING. A RUN OF CONDUIT BETWEEN OUTLETS OR FITTINGS SHALL NOT CONTAIN MORE THAN THE EQUIVALENT OF FOUR QUARTER-BENDS INCLUDING THOSE BENDS LOCATED IMMEDIATELY AT THE OUTLET OR FITTING. THE RADIUS OF BENDS SHALL NOT BE LESS THAN THAT OF THE CORRESPONDING TRADE ELBOW. THE SYSTEM SHALL BE COMPLETE WITH OUTLETS, DISTRIBUTION BOXES, ETC. SMOOTH INSIDE AND OUTSIDE AND MECHANICALLY SECURE IN PLACE. APPROVED STRAPS, HANGERS, OR SUPPORTS SHALL BE USED TO SECURE CONDUITS IN PLACE. CONDUITS SHALL, IN GENERAL, BE SUPPORTED AT INTERVALS NOT EXCEEDING 10'-0".
- (E) CONDUITS SHALL BE CONCEALED WITHIN THE WALLS, CEILING, AND FLOORS (INSULATED BUSHINGS OR THIN-WALL CONNECTORS WITH INSULATED THROAT SHALL BE USED WITH CONDUITS 1-1/4 INCH AND LARGER IF CONDUIT CANNOT BE CONCEALED IN EXISTING WALLS). GENERAL CONTRACTOR TO INSTALL FURRED GYPSUM BOARD WALL EXTENDING A MINIMUM DISTANCE FROM EXISTING WALL TO PROVIDE COVERAGE.

2. WIRE AND CABLE:

- (A) WIRE AND CABLE SHALL BE OF SIZES AS SHOWN ON THE DRAWINGS OR HEREIN SPECIFIED.
- (B) ALL CONDUCTORS SHALL BE NO. 12 AWG COPPER UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL CONDUCTOR SIZES SHOWN ON THE DRAWINGS ARE FOR COPPER CONDUCTORS.
- (C) NO. 10 AWG AND SMALLER CONDUCTORS SHALL BE SOLID WITH TYPE THIN OR THIN INSULATION AND NO. 8 AWG AND LARGER CONDUCTORS SHALL BE STRANDED WITH TYPE THIN OR THIN INSULATION EXCEPT THAT CONDUCTORS WITHIN 3 INCHES OF LIGHT FIXTURE BALLASTS SHALL HAVE THIN OR EQUAL. INSULATION RATED FOR 150C APPLICATION.

3. WALL PLATES:

- (A) GROUPS OF SWITCHES OR SWITCH AND OUTLET COMBINATIONS SHALL BE MOUNTED UNDER ONE MULTI-GANG PLATE.
- (B) WALL PLATES SHALL FIT AND COVER PROPERLY THE DEVICE AND WALL OPENING. NO OPEN OR UNFINISHED SURFACES SHALL SHOW AFTER INSTALLATION OF THE WALL PLATES.
- (C) WALL PLATES FOR ALL DEVICES AND TELEPHONE OUTLETS, UNLESS OTHERWISE NOTED, SHALL BE WHITE PLASTIC.

4. WIRING DEVICES:

- (A) WALL TUBES/ER SWITCHES FOR GENERAL USE SHALL BE SPECIFICATION GRADE GENERAL ELECTRIC NO. GE-5431-2, OR EQUAL. WALL SWITCHES SHALL BE OF THE MECHANICALLY SILENT TYPE WITH WHITE PLASTIC HANDLES, AND SHALL BE RATED 20 AMPERES AC, 120/277 VOLTS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- (B) TWENTY AMPERE 120/208 VOLT TOGGLE SWITCHES SHALL BE GENERAL ELECTRIC NO. GE-5951-2, OR EQUAL.
- (C) CONVENIENCE OUTLETS SHALL BE GENERAL ELECTRICAL NO. GE-4060-2, WHITE, DUPLEX, GROUNDING TYPE RECEPTACLE, OR EQUAL.
- (D) GFI OUTLET SHALL BE HUBBELL NO. GF-53621, WHITE, DUPLEX GROUND FAULT TYPE, OR EQUAL.

5. TELEPHONE:

- (A) TELEPHONE WALL OUTLETS SHALL CONSIST OF AN OUTLET BOX WITH GENERAL ELECTRIC NO. GE-12181 SMOOTH WHITE WALL PLATE AND 3/4 INCH CONDUIT UP IN WALL TO TERMINATION ABOVE CEILING. INSTALL TELEPHONE SWITCH BOX ABOVE CEILING.

6. LIGHTING AND POWER PANELBOARDS:

- (A) LIGHTING AND POWER PANELBOARDS SHALL BE GENERAL ELECTRIC TYPE NAB, SURFACE MOUNT, 120/208 VOLT, 3 PHASE, 4 WIRE WITH CIRCUIT BREAKERS AS NOTED ON THE DRAWINGS OR EQUAL.
- (B) BREAKERS SHALL BE BOLT-ON TYPE HAVING 10000 SYMMETRICAL AMPERES INTERRUPTING CAPACITIES.
- (C) A TYPEWRITTEN DIRECTORY FOR EACH PANELBOARD, SHOWING THE FUNCTION OF EACH BREAKER SHALL BE FURNISHED & INSTALLED.

7. SAFETY SWITCH:

- (A) SAFETY SWITCH SHALL BE GENERAL DUTY FUSIBLE TYPE AS INDICATED ON THE DRAWINGS. VERIFY LOCATION & TYPE W/ LANDLORD.

ELECTRICAL GENERAL NOTES

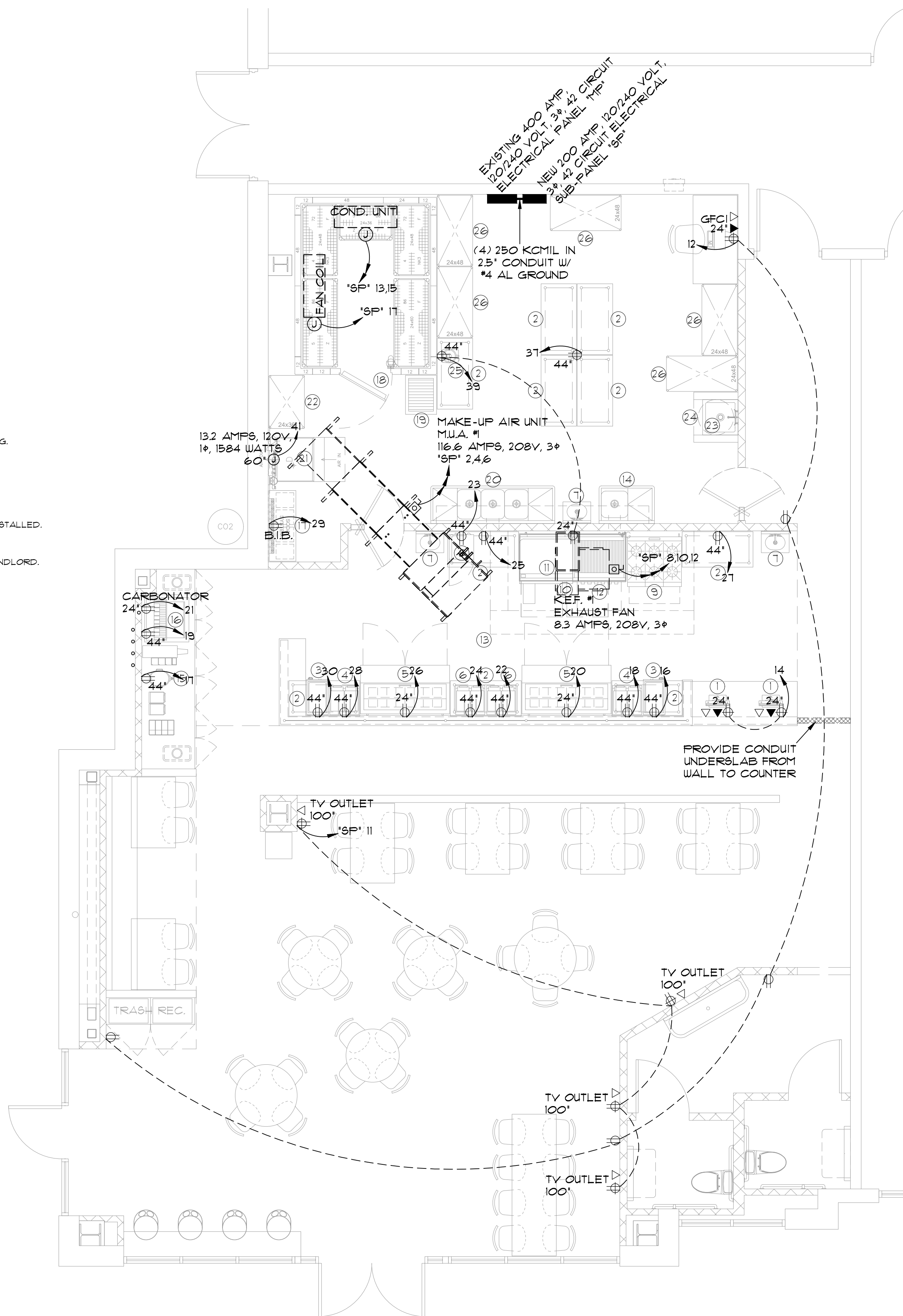
- ALL ELECTRICAL OUTLETS WITHIN 6 FEET OF SINK OR LAVATORY SHALL BE GFI PROTECTED.
- EXIT LIGHTS SHALL BE E-CO-NO-LIGHT LED WITH BATTERY BACK-UP, WITH STENCIL FACE, OR APPROVED EQUAL.
- EMERGENCY LIGHTS TO BE E-CO-NO-LIGHT LED WITH BATTERY BACK-UP, OR APPROVED EQUAL.
- EXTERIOR EMERGENCY LIGHTS TO BE E-CO-NO-LIGHT LED WITH BATTERY BACK-UP, OR APPROVED EQUAL.
- ALL ELECTRICAL SYSTEM TO COMPLY WITH NEC AND APPLICABLE LOCAL CODES.
- ALL ELECTRICAL WORK SHALL MEET ALL CITY AND ELECTRIC BUILDING CODES.
- ELECTRICAL CONTRACTOR TO VERIFY EXISTING LINE VOLTAGES AND VERIFY COMPATIBILITY OF COOKING EQUIPMENT PRIOR TO THE START OF ANY WORK. REPORT ANY INCOMPATIBILITY TO THE ARCHITECT.
- TELEPHONE LOCATIONS, PROVIDE STANDARD PHONE JACKS AT LOCATIONS INDICATED. WIRE BACK TO EXISTING PHONE BOARD LOCATION.
- DUPLEX OUTLETS IN EACH ROOM AND ALL WALLS PER CODE. OUTLET HEIGHT SHALL BE 12" AFF OR AS NOTED ON DRAWINGS AND OUTLETS LOCATED ABOVE CASEWORK OR EQUIPMENT SHALL CLEAR THE CASEWORK OR EQUIP. AND SHALL BE AT MIN 42" AFF TO THE BTM. OF OUTLET.
- T = THERMOSTAT LOCATION.
- ALL WIRING AND CONDUIT SHALL BE CONCEALED. NO ELECTRICAL ROUGH-IN ITEMS SHALL BE EXPOSED.
- ALL MEMBRANE PENETRATIONS SUCH AS STEEL, FERROUS, COPPER, PIPES, VENTS, ELECTRICAL OUTLET BOXES, OR TUBES ARE TO BE PROTECTED MAINTAINING THE FIRE RESISTANCE INTEGRITY OF THE DEMISING WALLS.
- FIRE ALARM MODIFICATION & REWORKING SHALL BE PERFORMED BY A QUALIFIED FIRE ALARM CONTRACTOR WHO WILL DESIGN & PREPARE PLANS WHICH ARE TO BE SUBMITTED TO BUILDING INSPECTION THROUGH THE PERMIT PROCESS FOR APPROVAL PRIOR TO ANY WORK BEING PERFORMED ON THE SYSTEM. TENANT SHALL HAVE ALARM SYSTEMS TIED INTO LANDLORD COMMON MALL SYSTEMS.
- STOREFRONT SIGNS REQUIRE A LOCAL DISCONNECT (AT EACH STOREFRONT SIGN), AND ON A TIME CLOCK.

SYMBOLS & LEGEND

	EXISTING DUPLEX OUTLET TO REMAIN		HORIZONTAL ARROWHEADS INDICATE NUMBER OF CIRCUITS
	EXISTING DUPLEX OUTLET TO BE REMOVED		NEW BRANCH CIRCUIT CONCEALED IN WALL, CEILING OR SLAB
	NEW PHONE WALL BOX, CONDUIT TO CEILING AND PULL WIRE, PHONE INSTALLATION BY TENANT		DUPLEX RECEPTACLE
	EXISTING TELEPHONE BOX TO REMAIN		FOURPLEX RECEPTACLE
	EXISTING SINGLE POLE SWITCH TO REMAIN		GROUND FAULT INTERRUPT DUPLEX (GFI)
	NEW SINGLE POLE WALL SWITCH		TELEPHONE OUTLET
	EXISTING SWITCH TO BE REMOVED		DATA OUTLET
	NEW 2'X4' FLUORESCENT FIXTURE IN CEILING GRID OR EXISTING FIXTURE RELOCATED IN CEILING GRID		SINGLE POLE SWITCH
	EXISTING 2'X4' FLUORESCENT FIXTURE TO REMAIN		THREE WAY SWITCH
	EXISTING 2'X4' FLUORESCENT FIXTURE TO BE REMOVED		SINGLE POLE KEYED SWITCH
	CEILING MOUNTED SUPPLY GRILL		JUNCTION BOX
	CEILING MOUNTED RETURN AIR GRILL		DISCONNECT SWITCH
	EXISTING TOILET FAN		FUSED DISCONNECT SWITCH
	NEW TOILET FAN		MOTOR
	EXISTING EXIT LIGHT W/ BATTERY BACK-UP		MANUAL MOTOR STARTER
	NEW EXIT LIGHT W/ BATTERY BACK-UP		THERMOSTAT
	EXISTING EMERGENCY LIGHT		COMBINATION STARTER/DISCONNECT
	EXISTING WALL PANELS TO BE REMOVED		FLOW SWITCH
	EXISTING WALL TO REMAIN		COC. SENSOR W/ AUTOMATIC-ON CONTROL
	NEW WALL CONSTRUCTION TO BE 3-5/8" MTL. STUDS @ 16" O.C. WITH 5/8" GYP. BD. ON BOTH SIDES, TAPE, SAND AND FINISH PER FINISH SCHEDULE		COC. SENSOR W/ MANUAL-ON CONTROL
	NEW DOORS AND FRAMES TO MATCH EXISTING. AT NEW GYP. BD. PARTITIONS, INSTALL NEW DOORS AND FRAMES, AND HARDWARE TO MATCH EXISTING. RE: FLOOR PLAN NOTES.		

EQUIPMENT SCHEDULE

Item No.	Qty	Equipment Category	Manufacturer	Model Number	Volt	Ph	Amp	Watt	HW	CW	BTU	Equipment Remarks
1	2	P.O.S. CASH REGISTER	----	----	120	1						BY OWNER
2	10	48" x 24" S.S. WORK TABLE	ELKAY	SEW24548-STG-X								
3	2	COUNTERTOP FOOD WARMER	NEMCO	6055A	120	1	10	1200				
4	2	2-SIDED SANDWICH/PANINI GRILL	STAR	GX1415	120	1	15	1800				
5	2	SANDWICH FOOD PREP REFRIGERATOR	NOR-LAKE	NLSMP60-24	120	1	7.9	948				
6	2	SANDWICH/PANINI GRILL	GLOBE	GSG14D	120	1	15	1800				
7	3	HAND SINK	JOHN BOOS	PBH5-W-1410-P-SSLR					1/2"	1/2"		
8	1	MICROWAVE	PANASONIC	NE-1054F	120	1	13.4	1608				
9	1	6-BURNER RANGE W/ STANDARD OVEN	CARLSON	G36-6R						236,000		
10	1	REFRIGERATED CHEF BASE	NOR-LAKE	NLCB72	120	1	3	345				
11	1	COUNTERTOP GRIDDLE	WELLS	HDTG3630G						90,000		
12	1	COUNTERTOP CHARBROILER	WELLS	HDCB-3630G						120,000		
13	1	EXHAUST HOOD 10'-6" x 4'-6"	CAPTIVE AIRE									RE: MECH. & ELECT. DWGS FOR SPECS
14	1	1-COMP. PREP SINK	SKIBEE	SKIC118181418L					1/2"	1/2"		
15	1	ICE TEA URN	----	----	120	1						
16	1	SODA DISPENSER	----	----	120	1				1/2"		RE: MANUF. SPECS FOR ICE MAKER ELECT. REQ.
17	1	BAG-IN-BOX	----	----	120	1						RE: MANUF. SPECS FOR ELECT. REQ.
18	1	8" x 10" WALK-IN COOLER	NOR-LAKE	KL874810-C								RE: MANUF. SPECS FOR ELECT. REQ.
19	1	BUN PAN RACK	WINCO	ALRK-20								
20	1	3-COMP. SINK	SKIBEE	SKIC3116201418RL					1/2"	1/2"		W/ PRE-RINSE FAUCET (1/2" HW & 1/2" CW)
21	1	ICE MACHINE	MANITOWOC	MT0450A ON D-400 BIN	120	1	13.2	1584		1/2"		W/ 3M #ICE125-S WATER FILTER (1/2" CW)
22	1	36" x 24" S.S. SHELVING UNIT	----	----								
23	1	MOP SINK	ADVANCE TABCO	9-OP-20-EC-X (OR APPROVED EQUAL)					1/2"	1/2"		
24	1	75 GALLON WATER HEATER	A.O. SMITH	BTXL-100 (OR APPROVED EQUAL)						100,000		MOUNT ON PLATFORM ABOVE MOP SINK
25	1	ELECTRIC FOOD PROCESSOR	ROBOT COUPE	R2N	120	1	7	840				
26	5	48" x 24" S.S. SHELVING UNIT	----	----								



1 ELECTRICAL PLAN

1/4" = 1'
* ALL CIRCUITS SHALL BE ON ELECTRICAL PANEL "MP", UNLESS INDICATED OTHERWISE AS "SP".

LIGHTING FIXTURE SCHEDULE ①②							
SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS	MOUNTING	VOLTS
○	A	4" CYLINDER	PRESCOLITE	LTC-4RD-CM-10L35K8NR-DM1NXE_-SBLBT-BL	12W, 3500K, 80 CRI, 1000 LUMENS	SUSPEND @ 10" A.F.F.	120
⎓	B	TRAC LIGHT	JUNO	TRAC-MASTER AVANT GARDE "CYLINDRA 15W LED" T254L_-G2-35K-80CRI-PDIM-NFL-BL, 8" LONG TRAC	4 TRACK HEADS 15.2W EA., 3500K, 80 CRI	SUSPEND @ 9" A.F.F.	120
⊙	C	PENDANT	BESA	1XT-719841-LED-SN	5W, 3000K, 90 CRI	SUSPEND @ 6"-8" A.F.F.	120
○	D	LED DOWN	HE WILLIAMS	6DR-L10/835-UNV-O-M-OF-CS-WET/CC-N-F1 W/ WHITE TRIM	8.7W, 3500K, 80 CRI	RECESSED	120
□	E	LED TROFFER	HE WILLIAMS	50G-S24-L33/835-F-AF12125-EM/10W-WET-DRV-UNV	25W, 3500K, 80 CRI	SUSPEND @ 6"-8" A.F.F.	120
⎓	F	TRAC LIGHT	JUNO	TRAC-MASTER AVANT GARDE "CYLINDRA 15W LED" T254L_-G2-35K-80CRI-PDIM-NFL-BL, 4" LONG TRAC	2 TRACK HEADS 15.2W EA., 3500K, 80 CRI	SUSPEND @ 9" A.F.F.	120
⊙	G	PENDANT	BESA	1XP-719841-LED-SN ON 12" TRAC W/ RAIL ADAPTER	5W, 3000K, 90 CRI	SUSPEND @ 6"-8" A.F.F.	120
○○○	H	WALL SCONCE		SELECTED BY OWNER, INSTALLED BY CONTRACTOR		SURFACE	120

NOTES:
① ALL LIGHTING FIXTURES ARE TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
② INSTALLATION OF LIGHTING FIXTURES TO BE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO CODE REQUIREMENTS.

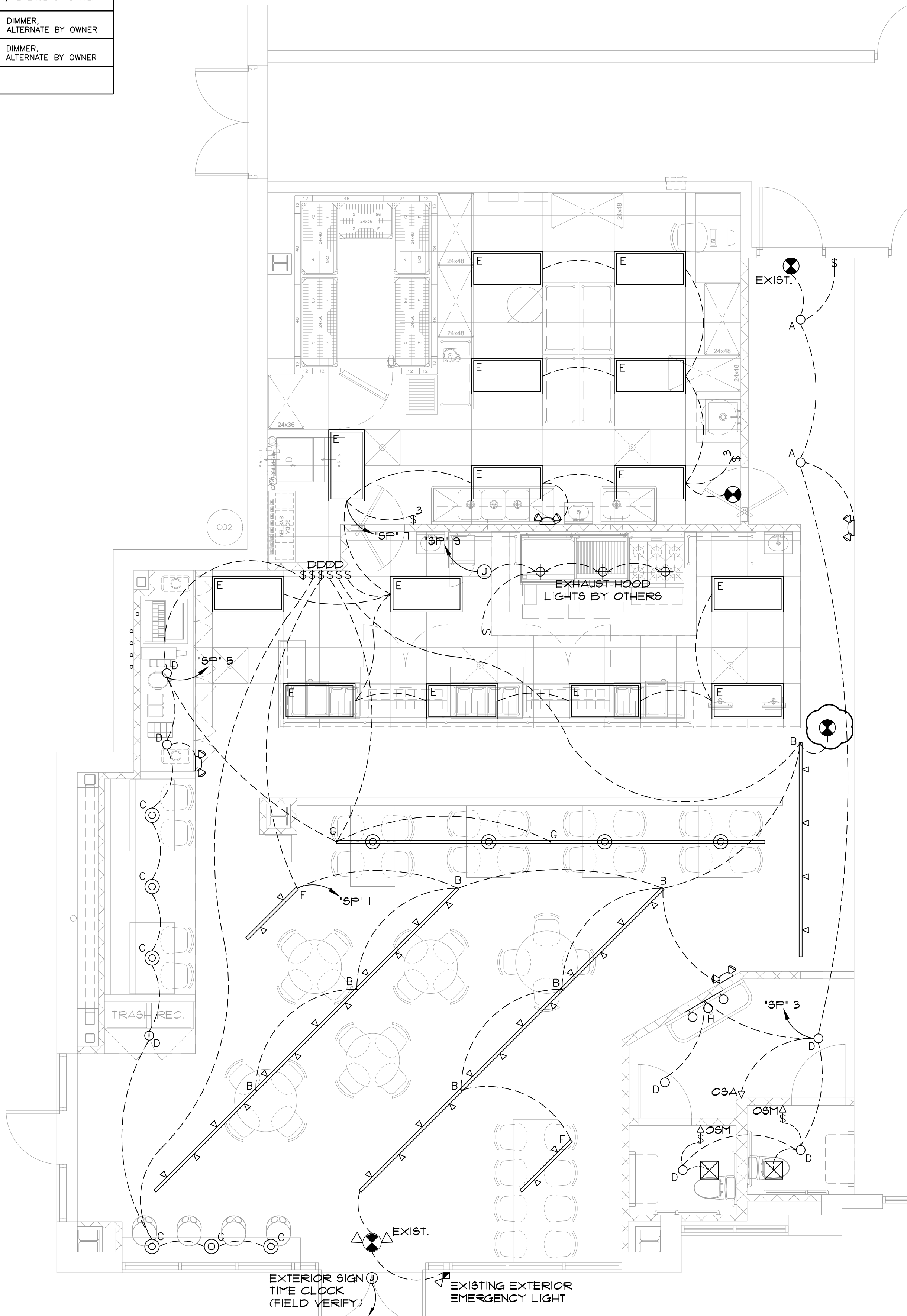
PANEL BOARD SCHEDULE "MP"											
	A	B	C	CIRCUIT •	BREAKER	POLE	POLE	BREAKER	CIRCUIT •		
EXIST. 4 TON CU #1	3144			1	45	2	2	45	2	3144	EXIST. 4 TON CU #3
EXIST. 4 TON CU #1		3144		3	45	2	2	45	4	3144	EXIST. 4 TON CU #3
EXIST. 4 TON AHU #1			1800	5	20	2	2	20	6	1800	EXIST. 4 TON AHU #3
EXIST. 4 TON AHU #1		1800		7	20	2	2	20	8	1800	EXIST. 4 TON AHU #3
EXIST. 4 TON CU #2		3144		9	45	2	1	20	10	1500	SIGNAGE
EXIST. 4 TON CU #2			3144	11	45	2	1	20	12	1500	OUTLETS
EXIST. 4 TON AHU #2		1800		13	20	2	1	20	14	1500	P.O.S. CASH REG.
EXIST. 4 TON AHU #2		1800		15	20	2	1	20	16	1200	FOOD WARMER
ICE TEA URN			1500	17	20	1	1	20	18	1800	2-SIDED PANINI
SODA DISPENSER		1500		19	20	1	1	20	20	948	REFG. PREP UNIT
CARBONATOR		1500		21	20	1	1	20	22	1800	PANINI
MICROWAVE			1500	23	20	1	1	20	24	1800	PANINI
DED. OUTLET		1500		25	20	1	1	20	26	948	REFG. PREP UNIT
DED. OUTLET		1500		27	20	1	1	20	28	1800	2-SIDED PANINI
BAG-IN-BOX			1500	29	20	1	1	20	30	1200	FOOD WARMER
SPARE		***		31	20	1	1	20	32	***	SPARE
SPARE		***		33	20	1	1	20	34	***	SPARE
SPARE		***		35	20	1	1	20	36	***	SPARE
KITCHEN OUTLETS		1500		37	20	1	3	200	38	18250	SUB-PANEL 'SP'
FD FROC/REFG BASE		1185		39	20	1	3	200	40	19,150	SUB-PANEL 'SP'
ICE MACHINE			1584	41	20	1	3	200	42	18,082	SUB-PANEL 'SP'
TOTALS	11,244	12,273	11,028							26,590 28,594 26,182	
EXISTING 400 AMP MAIN PANEL, SURFACE-MOUNTED, 120/240, 3 PHASE, 4 WIRE, 42 CIRCUITS										115.911 KVA	

CONTRACTOR TO FIELD VERIFY EXISTING AMPERAGE PROVIDED TO TENANT SPACE PRIOR TO WORK.
CONTRACTOR TO FIELD VERIFY EXISTING BREAKERS OF EXISTING CIRCUITS TO REMAIN - COORD. W/ TENANT.

PANEL BOARD SCHEDULE "SP"											
	A	B	C	CIRCUIT •	BREAKER	POLE	POLE	BREAKER	CIRCUIT •		
DINING TRAC	600			1	20	1	3	125	2	13,986	M.U.A. #1
RR/HALL OUTLETS		400		3	20	1	3	125	4	13,986	M.U.A. #1
DINING LIGHTS			100	5	20	1	3	125	6	13,986	M.U.A. #1
KITCHEN LIGHTS		400		7	20	1	3	20	8	936	K.E.F. #1
EXH. HOOD LIGHTS		1500		9	20	1	3	20	10	936	K.E.F. #1
TV OUTLETS			1500	11	20	1	3	20	12		K.E.F. #1
WALK-IN COND. UNIT		2268		13	20	1	1	20	14	***	SPARE
WALK-IN COND. UNIT			2268	15	20	1	1	20	16	***	SPARE
WALK-IN FAN COIL			1500	17	20	1	1	20	18	***	SPARE
SPARE		***		19	20	1	1	20	20	***	SPARE
SPARE		***		21	20	1	1	20	22	***	SPARE
SPARE		***		23	20	1	1	20	24	***	SPARE
SPARE		***		25	20	1	1	20	26	***	SPARE
SPARE		***		27	20	1	1	20	28	***	SPARE
SPARE		***		29	20	1	1	20	30	***	SPARE
SPARE		***		31	20	1	1	20	32	***	SPARE
SPARE		***		33	20	1	1	20	34	***	SPARE
SPARE		***		35	20	1	1	20	36	***	SPARE
SPARE		***		37	20	1	1	20	38	***	SPARE
SPARE		***		39	20	1	1	20	40	***	SPARE
SPARE		***		41	20	1	1	20	42	***	SPARE
TOTALS	3268	4168	3100							14,982 14,982 14,982	
NEW 200 AMP SUB-PANEL, SURFACE-MOUNTED, 120/240, 3 PHASE, 4 WIRE, 42 CIRCUITS										55.428 KVA	

SYMBOLS & LEGEND

⊕	EXISTING DUPLEX OUTLET TO REMAIN	→	HOME RUN ARROWHEADS INDICATE NUMBER OF CIRCUITS
⊕	EXISTING DUPLEX OUTLET TO BE REMOVED	⎓	NEW BRANCH CIRCUIT, CONCEALED IN WALL, CEILING, OR SLAB.
⊕	NEW DUPLEX OUTLET	⊕	DUPLEX RECEPTACLE
⎓	NEW PHONE WALL BOX, CONDUIT TO CEILING AND PULL WIRE. PHONE INSTALLATION BY TENANT	⊕	FOURPLEX RECEPTACLE
⊕	EXISTING TELEPHONE BOX TO REMAIN	⊕	GROUND FAULT INTERRUPT DUPLEX (GFI)
⊕	EXISTING PHONE BOX TO BE REMOVED	▼	TELEPHONE OUTLET
⊕	NEW SINGLE POLE WALL SWITCH	▽	DATA OUTLET
⊕	EXISTING SINGLE POLE SWITCH TO REMAIN	Ⓢ	SINGLE POLE SWITCH
⊕	EXISTING SWITCH TO BE REMOVED	Ⓢ	THREE WAY SWITCH
NEW	NEW 2'x4' FLUORESCENT FIXTURE IN CEILING GRID	Ⓢ	SINGLE POLE KEYED SWITCH
NEW	EXISTING FIXTURE RELOCATED IN CEILING GRID	Ⓢ	JUNCTION BOX
NEW	EXISTING 2'x4' FLUORESCENT FIXTURE TO REMAIN	Ⓢ	DISCONNECT SWITCH
NEW	EXISTING 2'x4' FLUORESCENT FIXTURE TO BE REMOVED	Ⓢ	FUSED DISCONNECT SWITCH
NEW	CEILING MOUNTED SUPPLY GRILL	Ⓢ	MOTOR
NEW	CEILING MOUNTED RETURN AIR GRILL	Ⓢ	MANUAL MOTOR STARTER
EX.	EXISTING TOILET FAN	Ⓢ	THERMOSTAT
NEW	NEW EXIT LIGHT W/ BATTERY BACK-UP	Ⓢ	COMBINATION STARTER/DISCONNECT
REL.	RELOCATED EMERGENCY LIGHT	Ⓢ	FLOW SWITCH
	EXISTING WALL PANELS TO BE REMOVED	Ⓢ	OCC. SENSOR W/ AUTOMATIC-ON CONTROL
	EXISTING WALL TO REMAIN	Ⓢ	OCC. SENSOR W/ MANUAL-ON CONTROL
	NEW WALL CONSTRUCTION TO BE 3-5/8" MTL. STUDS @ 16" O.C. WITH 5/8" GYP. BD. ON BOTH SIDES, TAPE, SAND AND FINISH PER FINISH SCHEDULE		
	NEW DOORS AND FRAMES TO MATCH EXISTING. AT NEW GYP. BD. PARTITIONS, INSTALL NEW DOORS AND FRAMES, AND HARDWARE TO MATCH EXISTING. RE: FLOOR PLAN NOTES.		



LIGHTING PLAN

1/4" = 1'

* ALL CIRCUITS SHALL BE ON ELECTRICAL PANEL "MP", UNLESS INDICATED OTHERWISE AS "SP".

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

ALBERT P. HERMANS
NUMBER
E-23306

10/22/21

ENGINEERING, INC.

CONSULTING STRUCTURAL AND CIVIL ENGINEERS
5907 RAYMOND TRAFFICWAY, RAYTOWN, MO
P.O. Box 185358 Raytown, Missouri 64113
816/358-1445 fax 816/358-8364

TENANT FINISH SDC

TWISTED FRESH

940A NW PRYOR RD., LEE'S SUMMIT, MO 64081

SULLIVAN PALMER ARCHITECTS

1001 N. Kansas, 64022
Lee's Summit, MO 64081
TEL: (816) 288-0122 FAX: (816) 288-0122

Date:

10-15-21

Revision:

10-21-21

Drawn by:

NCE

Sheet:

L1