

GENERAL PROJECT NOTES

SUMMARY OF WORK

INTERIOR ALTERATION OF EXISTING 790SF RETAIL SPACE TO A NEW BAKERY SHOP. PROVIDE ALL NECESSARY ARCHITECTURAL, ELECTRICAL, HVAC AND PLUMBING WORK AS NOTED.

GENERAL INSTRUCTIONS

THESE DRAWINGS ARE SCOPE DOCUMENTS INDICATING THE GENERAL PROJECT DESIGN CONCEPT, DIMENSIONS OF THE PROJECT, MAJOR ARCHITECTURAL ELEMENTS, AND BASIC ORGANIZATION OF MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS. AS SCOPE DOCUMENTS, THESE DRAWINGS DO NOT NECESSARILY DESCRIBE OR INDICATE ALL MATERIALS OR WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE PROJECT. ON THE BASIS OF THE GENERAL SCOPE INDICATED OR DESCRIBED, THE CONTRACTOR(S) SHALL FURNISH ALL ITEMS REQUIRED FOR PROPER EXECUTION AND COMPLETION OF THE PROPOSED PROJECT. THE ARCHITECT IS NOT RESPONSIBLE FOR THE FAILURE OF THE CONTRACTOR(S) TO EXECUTE NECESSARY WORK OR TO SUPPLY REQUIRED MATERIALS FOR PROPER COMPLETION OF THIS PROJECT. FURTHER MORE THE ARCHITECT MAKES NO WARRANTY EXPRESSED OR IMPLIED ON THESE DOCUMENTS.

DUE TO THE NATURE OF THIS WORK THE ARCHITECT DOES NOT WARRANT THE EXISTING CONDITIONS AS DEPICTED IN THESE DRAWINGS AS BUILT CONDITIONS. THE MEASUREMENTS ON THESE DRAWINGS ARE REASONABLY ACCURATE FOR THE PURPOSE OF "FIGURING." HOWEVER, IN THE EXECUTION OF WORK ON THE JOB, DO NOT SCALE DRAWINGS. EACH CONTRACTOR IS REQUIRED TO VERIFY ALL DIMENSIONS WITH THE ACTUAL CONDITIONS AND TO REPORT ANY DISCREPANCIES TO THE ARCHITECT, OWNER, OR THE OWNER'S REPRESENTATIVE.

CONTRACTOR SHALL OBTAIN AND PAY FOR ANY PERMITS AND FEES REQUIRED TO PERFORM THE WORK, UNLESS DIRECTED OTHERWISE BY OWNER.

EACH CONTRACTOR SHALL BE RESPONSIBLE FOR STORAGE AND SAFETY OF HIS OWN MATERIALS AND WORK, AND FOR PROPERLY REMOVING HIS DEBRIS FROM THE JOB SITE. GENERAL CONTRACTOR (GC) SHALL PROVIDE FOR ALL SITE DEMOLITION AND DEBRIS REMOVAL REQUIRED TO PERFORM NEW CONSTRUCTION WHILE ADEQUATELY MAINTAINING THE PREMISES AND ADJACENT PREMISES TO INSURE NORMAL OCCUPANCY AND SECURITY. THE GC SHALL COORDINATE PROPER TRANSPORTATION AND STORAGE OF BUILDING MATERIALS ON THE SITE TO AVOID OVERLOADING OF EXISTING FLOOR.

CONTRACTORS INSTALLING PIPES, DUCTS AND CONDUIT WILL BE REQUIRED TO DO ALL CUTTING AND PATCHING IN CONNECTION WITH THEIR WORK, INCLUDING EXCAVATION AND DIGGING. THE OWNER WILL ASSUME NO RESPONSIBILITY FOR THE COST OF CHANGES OR EXTRA WORK MADE NECESSARY BY THE FAILURE OF TRADES TO COORDINATE THEIR WORK DURING CONSTRUCTION.

WHERE APPLICABLE THE GC SHALL CONSTRUCT PHYSICAL BARRIERS AROUND AREAS UNDER CONSTRUCTION AS REQUIRED TO ENSURE GENERAL PUBLIC AND PERSONAL SAFETY.

THE GC SHALL SUPERVISE AND DIRECT THE WORK. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. THE GC SHALL BE RESPONSIBLE FOR COORDINATING ALL PORTIONS OF THE WORK UNDER HIS CONTRACT. ALL WORK SHALL BE COMPLETED USING PRACTICES ACCEPTED AND ENDORSED BY THE CORRESPONDING TRADE INDUSTRIES.

THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL.

THE CONTRACT AND SUBCONTRACT AMOUNTS SHALL PROVIDE COMPLETE WORKING MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS COMMENSURATE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES.

WHEN WALLS ARE TO BE "ALIGNED", THE ALIGNMENT OF SUCH WALLS IS TO THE OUTSIDE FINISHED SURFACE, SUCH AS DRYWALL SURFACE.

ALL DIMENSIONS SHOWN ARE TO FINISH FACE OF WALL UNLESS NOTED OTHERWISE. DIMENSIONS AND NOTES FOR A GIVEN CONDITION ARE TYPICAL FOR ALL SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.

WHERE NEW WORK ADJOINS EXISTING, ALL SUCH NEW WORK SHALL BE PROPERLY INTEGRATED WITH THE EXISTING TO ENSURE UNIFORM APPEARANCE. ANY REPAIR WORK REQUIRED TO EXISTING WORK SHOULD BE TAKEN CARE OF BY THE CONTRACTOR - PROVIDING ALL NECESSARY CUTTING, FITTING AND PATCHING AND SHALL FURNISH ALL NECESSARY LABOR AND MATERIALS FOR THIS WORK. ALL WORK REQUIRING SPECIAL DETAILING, AND NOT DETAILED ON THE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT / OWNER.

THE GENERAL CONTRACTOR SHALL COORDINATE ALL TRADES TO AVOID INTERFERENCE, TO PRESERVE MAXIMUM HEADROOM, AND AVOID OMISSIONS.

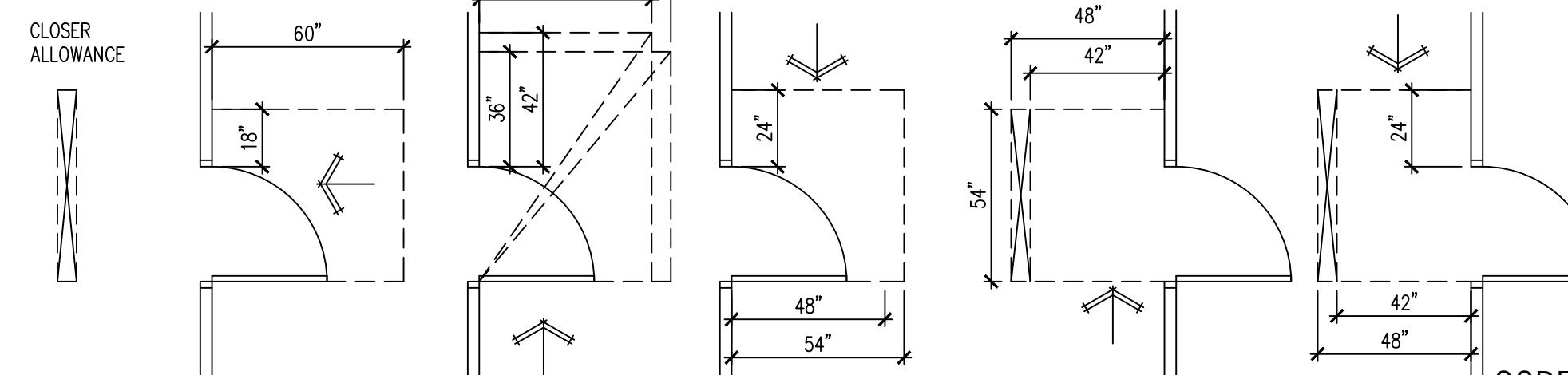
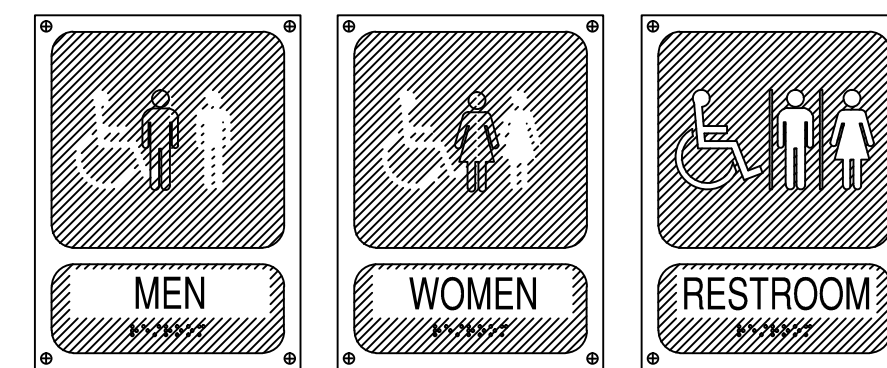
THE ARCHITECT HAS NO CONTRACTUAL DUTY TO CONTROL MEANS AND METHODS OF THE WORK NOR TO PROVIDE JOB SITE SUPERVISION, ENSURE SAFETY OR CONSTRUCTION MANAGEMENT AND DOES NOT VOLUNTARILY ASSUME ANY SUCH RESPONSIBILITIES.



A SITE PLAN
NOT TO SCALE

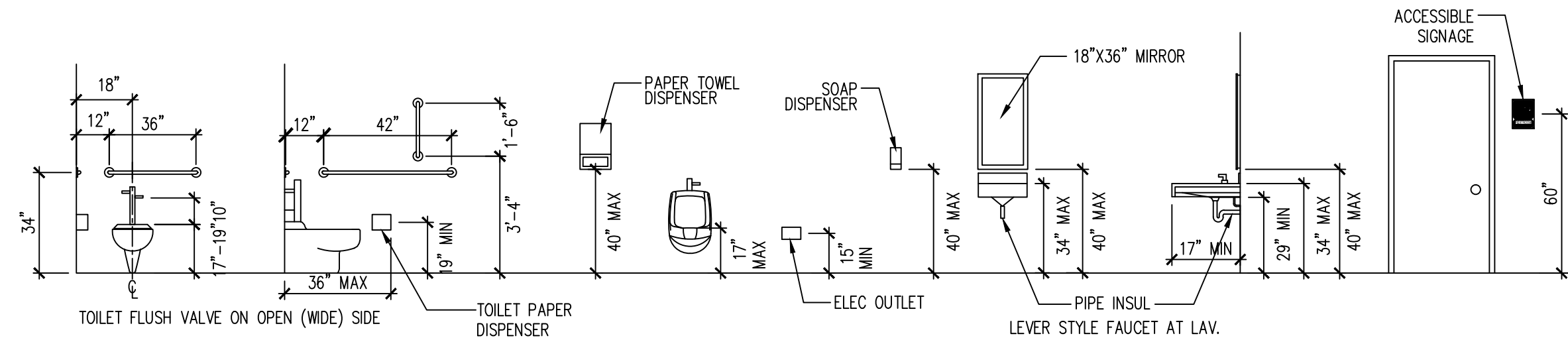
ACCESSIBILITY REQUIREMENTS

TOILET ROOMS REQUIRED TO BE ACCESSIBLE SHALL CONFORM TO ALL ACCESSIBILITY REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT WHICH INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:

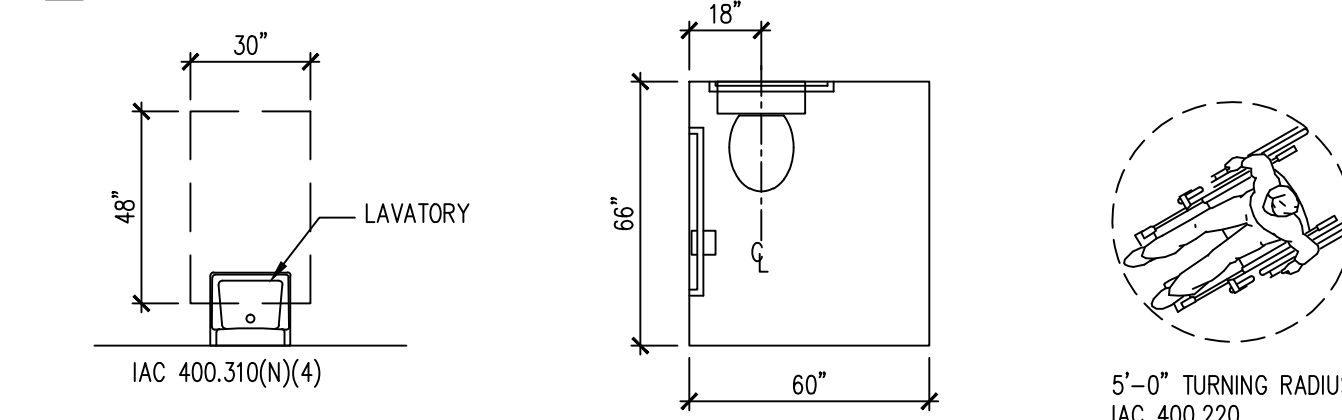


D DOOR MANEUVERING CLEARANCE
NOT TO SCALE

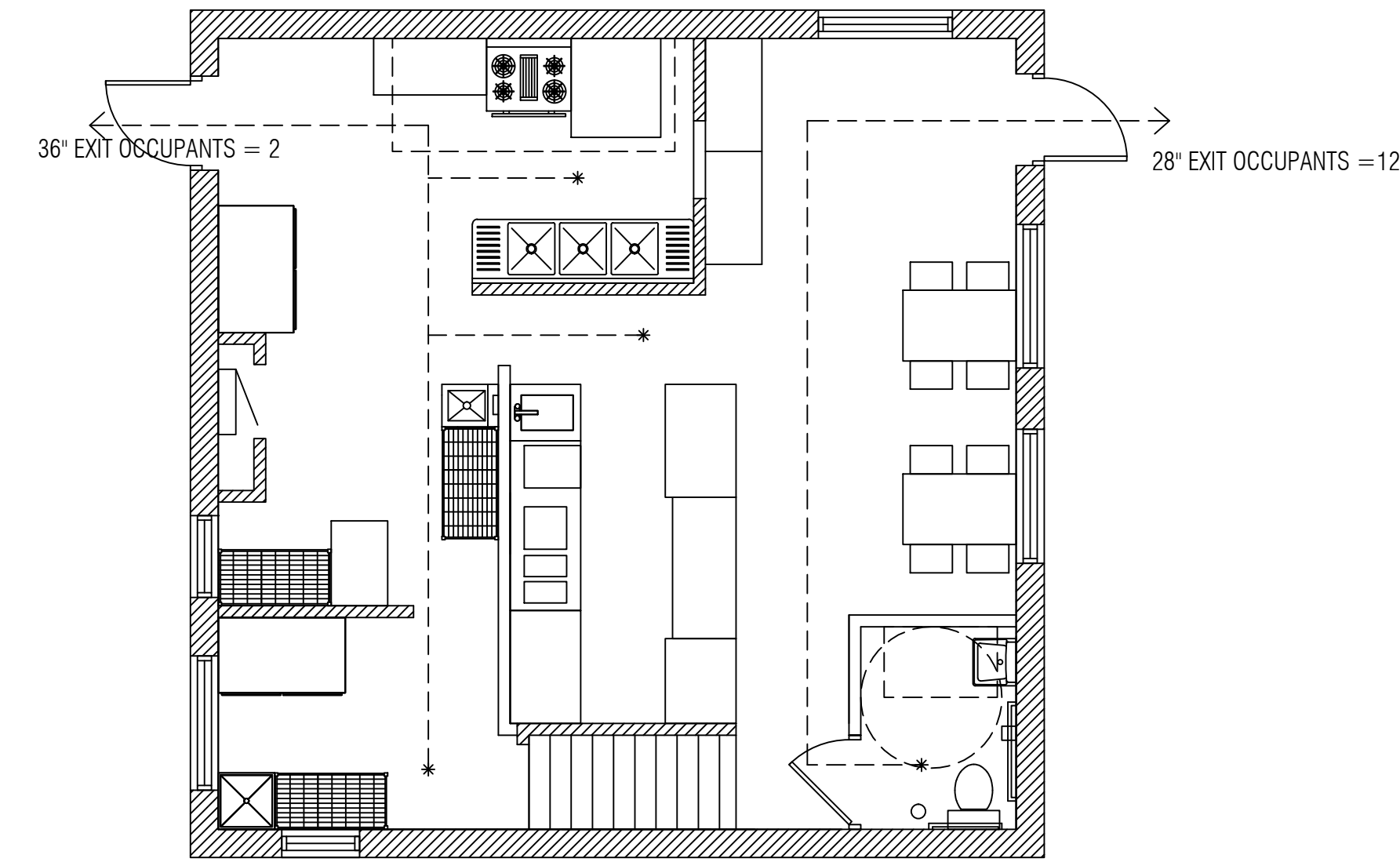
C ACCESSIBLE SIGNAGE
NOT TO SCALE



E ACCESSIBLE MOUNTING HEIGHTS
NOT TO SCALE



F TYPICAL ACCESSIBILITY REQUIREMENTS
NOT TO SCALE



B OCCUPANCY & EXITING DIAGRAM
SCALE 3/16"=1'-0"

CODE DATA

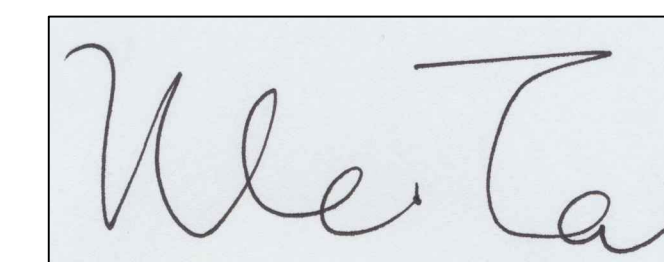
ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL LAWS, ORDINANCES, STANDARDS AND REGULATORY AGENCIES INCLUDING BUT NOT LIMITED TO THE REQUIREMENTS (INCLUDING LOCAL AMENDMENTS) OF

- 2015 INTERNATIONAL BUILDING CODE
- 2015 INTERNATIONAL FIRE CODE
- 2015 INTERNATIONAL MECHANICAL CODE
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE
- 2014 NATIONAL ELECTRICAL CODE
- 2014 ILLINOIS STATE PLUMBING CODE
- 2018 ILLINOIS ACCESSIBILITY CODE
- LOCAL VILLAGE CODE AMENDMENTS

INDEX OF DRAWINGS

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- E1 ELECTRICAL PLAN & NOTES
- P1 PLUMBING PLAN & NOTES
- M1 MECHANICAL PLAN & SCHEDULES

PROJECT DATA	
USE GROUP CLASSIFICATION	A-2
CONSTRUCTION TYPE	III-B (EXIST'G)
AREA TOTAL	790SF
EXIT ACCESS TRAVEL DISTANCE	28 FT MAXIMUM
AUTOMATIC SPRINKLERS	NO
WAITING AREA	180SF /15 = 12 OCCUPANTS
KITCHEN / SERVICE AREA	(350/200) = 2 OCCUPANTS
TOTAL OCCUPANT LOADS	14 OCCUPANTS
MAXIMUM HEIGHT	1 STORY
REQUIRED NUMBER OF EXITS:	1 ACTUAL 2
MINIMUM CORRIDOR WIDTH	36"



I HEREBY CERTIFY THAT THESE DRAWINGS ARE PREPARED BY ME OR UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE CONFORM WITH APPLICABLE CODES.

LIC EXPIRES NOV 30, 2022

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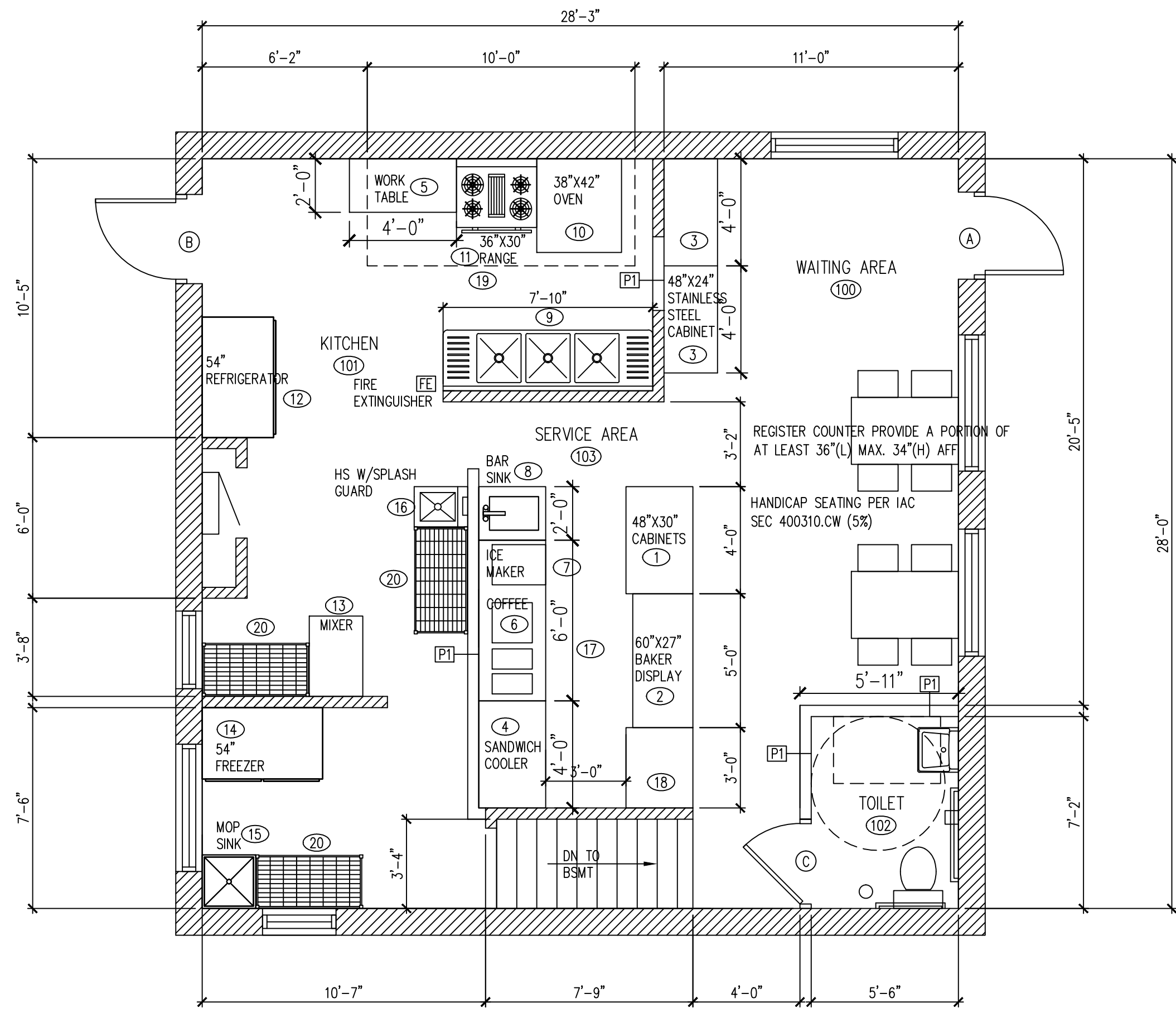
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PROJECT NOTES,
SITE PLAN

SHEET NUMBER

A0



A NEW FLOOR PLAN
SCALE 1/4"=1'-0"

OCCUPANT LOAD SIGNAGE WILL BE PLACED IN A CONSPICUOUS LOCATION AT THE ENTRANCE TO THE RESTAURANT AND EACH ASSEMBLY SPACE.
THE EXIT DOORS ARE EQUIPPED WITH PANIC HARDWARE, IBC 1008.1.9
EMERGENCY AND GENERAL EGRESS DISCHARGE LIGHTING, IBC 1006.1 ON SHEET E2

FIRE EXTINGUISHERS TO BE TYPE K IN KITCHEN AND TYPE A IN WAITING ROOM

DOOR SCHEDULE									
TAG	DESCRIPTION	FRAME CONSTRUCTION	NOMINAL SIZE W X H	DOOR FINISH	FRAME FINISH	LABEL	HARDWARE SET	COMMENTS	
A	STORE FRONT GLASS DOOR	ALUMINUM	3'-0" x 7'-0"	TEMPERED GLASS	ALUMINUM	-	2	EXIST'G FRONT EXIT DOOR	
B	HOLLOW METAL DOOR	HOLLOW METAL	3'-0" x 7'-0"	PAINT	PAINT	-	2	EXIST'G BACK EXIT DOOR	
C	WOOD DOOR	HOLLOW METAL	3'-0" x 7'-0"	PAINT	PAINT	-	1	NEW	

* ALL EXIT DOORS MUST OPEN WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE FROM THE SIDE WHICH EGRESS IS MADE
* LEVERED HANDLE HARDWARE AS REQUIRED BY ILLINOIS ACCESSIBILITY CODE
* PROVIDE DOOR CLOSERS ALONG ALL ACCESSIBLE ROUTES

EQUIPMENT SCHEDULE						
NO	QTY	DESCRIPTION	GAS	ELECTRIC	PLUMBING	REMARKS
1	1	48"x30" STAINLESS STEEL CABINET	-	-	-	NSF
2	1	60"x27" BAKER DISPLAY	-	120V 4A	-	NSF
3	3	48"x24" STAINLESS STEEL CABINET	-	-	-	NSF
4	1	SANDWICH PREP COOLER	-	120V 5A	-	NSF
5	1	48"x24" WORK TABLE	-	-	-	NSF, W/ 6" STAINLESS STEEL LEGS NSF APPROVED
6	1	COFFEE MAKER	-	120V	-	NSF
7	1	UNDERCOUNTER ICE MAKER	-	120V 5A	3/8" CW	NSF, AIR COOLED CONDENSING UNIT
8	1	PREP SINK	-	-	1/2" CW, 1/2" HW, 4" INDIRECT DRAIN	NSF
9	1	3 COMPARTMENT SINK	-	-	1/2" CW, 1/2" HW, 4" INDIRECT DRAIN	NSF, W/ ECOLAB PATHWAY TO PREVENT BACKFLOW
10	1	38"x42" OVEN	3/4"	120V	-	NSF
11	1	36"x30" RANGE	3/4"	120V	-	NSF
12	1	54" REFRIGERATOR	-	120V 5A	-	NSF
13	1	DOUGH MIXER	-	220V 3000W	-	NSF
14	1	54" FREEZER	-	120V 5A	-	NSF
15	1	MOP SINK	-	-	1/2" CW, 1/2" HW, 4" DRAIN	NSF, W/ MOP HOOKS, SEAL EDGES
16	1	HAND SINK	-	-	1/2" CW, 1/2" HW, 2" DRAIN	NSF, WALL MOUNTED - SEALED
17	1	72"x30" STAINLESS STEEL CABINET	-	-	-	NSF
18	1	36"x30" STAINLESS STEEL CABINET	-	-	-	NSF
19	1	EXIST'G 10'-0"x4'-0" TYPE II HOOD	-	-	-	NSF
20	3	48"x24" STAINLESS STEEL SHELVING	-	-	-	NSF

ALL EQUIPMENTS WILL BE NSF APPROVED CLEAN OPERABLE AND SUBJECT TO THE FINAL APPROVAL BY THE HEALTH DEPARTMENT

COOKLINE EQUIPMENT AND REACH-IN REFRIGERATION AND FREEZER UNITS TO BE INSTALLED ON CASTERS. PROVIDE THE FOLLOWING:
NSF STAINLESS STEEL SHELF OVER 3-COMPARTMENT SINK. ICE MAKER A MIN. 8" FROM ALL WALLS. HEAVY-DUTY MOP RACKS LOCATED OVER MOP SINK. HEAVY-DUTY BROOM RACKS IN JANITORIAL AREA. METAL GARBAGE CANS WITH LIDS FOR RESTROOMS. SANITARY BOX IN WOMEN'S RESTROOMS. METAL GARBAGE CANS WITH LIDS FOR DIAPER CHANGING STATION.

ALL NSF APPROVED HAND SINKS TO BE WITH BLADE HANDLED FAUCETS.
WAITRESS, BEVERAGE STATION & BAR COUNTER TOP - STAINLESS STEEL.
ALL CABINET SHELVES - STAINLESS STEEL.
ALL CABINET BASE - 6" STAINLESS STEEL LEGS (NO KICK BASE)
LAVATORY COUNTERTOP TO BE SOLID SURFACE (NO PLASTIC LAMINATE OR CABINETRY)
ANY PAINTED FINISHES TO BE SEMI-GLOSS OR GLOSS (NO FLAT, NO EGG SHELL, NO TEXTURE). PROVIDE FRP ON WALL AND UNDERSIDE OF BAR.
STAINLESS STEEL WALL FINISH FOR BEHIND AND ADJACENT TO COOK LINE

KITCHEN EQUIPMENT NOTES
CONTRACTOR SHALL INSTALL AND CONNECT ALL EQUIPMENT AS PER EQUIPMENT SUPPLIER'S SPECIFICATIONS. ALL LOCATIONS TO BE VERIFIED WITH OWNER PRIOR TO INSTALLATION.

PLUMBING CONTRACTOR SHALL PROVIDE ALL ROUGH-INS. INSULATE ALL COLD/HOT WATER PIPES AS REQUIRED. MAINTAIN MIN 36" IN FRONT OF ALL COOKING EQUIPMENT.

ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ELECTRICAL OUTLETS FOR EQUIPMENT. VERIFY ALL ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER. VERIFY ALL GAS AND WATER REQUIREMENTS WITH EQUIPMENT SUPPLIER.

ALL PERMANENT EQUIPMENT MUST BE LOCATED SO THAT AREAS BEHIND, UNDERNEATH, AND ON THE SIDES OF THE EQUIPMENT CAN BE EASILY CLEANED.

TWO DRAIN BOARDS ARE REQUIRED AT ALL THREE-COMPARTMENT SINKS ALONG WITH AN APPROPRIATELY SIZED FAUCET, LOCKABLE DRAIN PLUGS, AND AN INDIRECT CONNECTION TO THE SEWER.

DRY STORAGE
DRY STORAGE : 25% OF 324SF (KITCHEN AREA) = 81SF REQ'D
ACTUAL DRY STORAGE 3X4X42 = 96SF PROVIDED.

ALL FOOD AND FOOD RELATED ITEMS MUST BE STORED OFF THE FLOOR ON DURABLE WASHABLE SHELVES. THE STORAGE AREA MUST BE APPROPRIATELY SIZED BASED ON THE NUMBER OF MEALS SERVED DAILY AND THE NUMBER OF DELIVERIES WEEKLY.

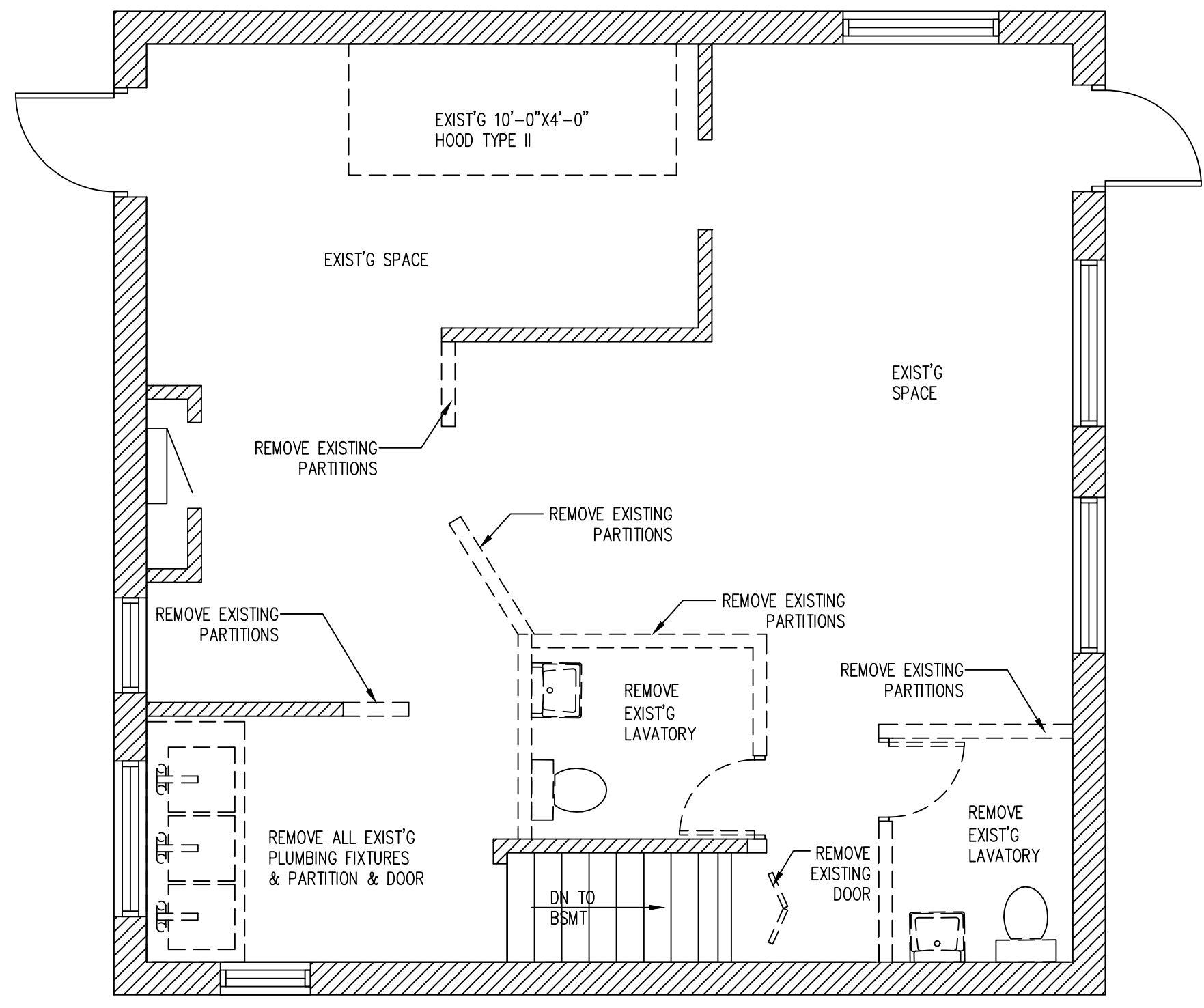
ALL FOOD EQUIPMENT TO BE ON CASTERS, 6" LEGS, OR SEALED TO THE FLOOR FOR EASY CLEANING.

NO RAW WOOD SURFACES PERMITTED ANYWHERE. UNDERSIDES OF COUNTERTOPS, INSIDE OF CABINETRY, AND WATER HEATER PLATFORMS MUST BE SEALED.

- Dial stem thermometers (ranging from 0° to 220°F) are required in all preparation areas.
- Chemical test kits (specific to the sanitizer) are required for the appropriate sanitizer.
- pH meter and log for acidifying rice.
- All cooling/freezing units must have accurate thermometers.
- Covered waste cans are required in all restrooms.
- Toilets, urinals, hand sinks, 3 compartment sinks, mop sink, prep sinks, and permanent counters/cabinets must be sealed to floors and walls with a silicone caulk seal.
- Anti-siphon devices are required on all toilet tanks, urinals, and faucets with hose connections.
- Soap and paper towels are required at all hand sinks.
- Provide hair restraints and disposable gloves for all food handlers.

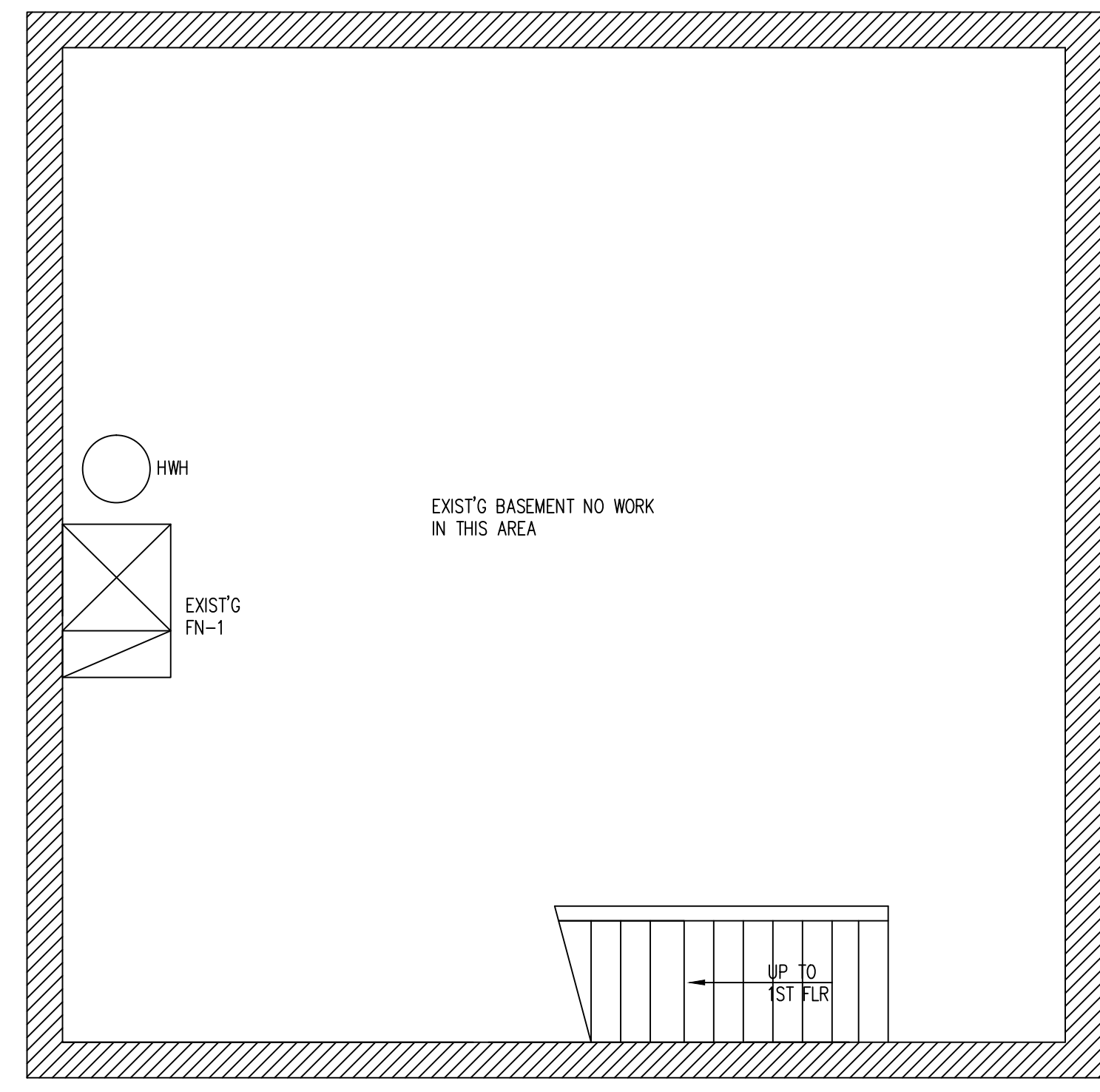
If sinks are provided with spring-loaded faucets, the faucets must remain running for a minimum of 15 seconds.
Doors leading to the outside and restroom doors are required to be self-closing and tight-fitting. Please confirm that the doors leading to the outside are equipped with a self-closer and weather strips to eliminate any air gaps.

HARDWARE SCHEDULE	
TAG	DESCRIPTION
1	3 HINGES, W/ LEVERED PRIVACY LOCKSET, KICKPLATE AND DOOR CLOSER
2	PADDLE LATCH EXIT DEVICE AND DOOR CLOSER, PANIC HARDWARE

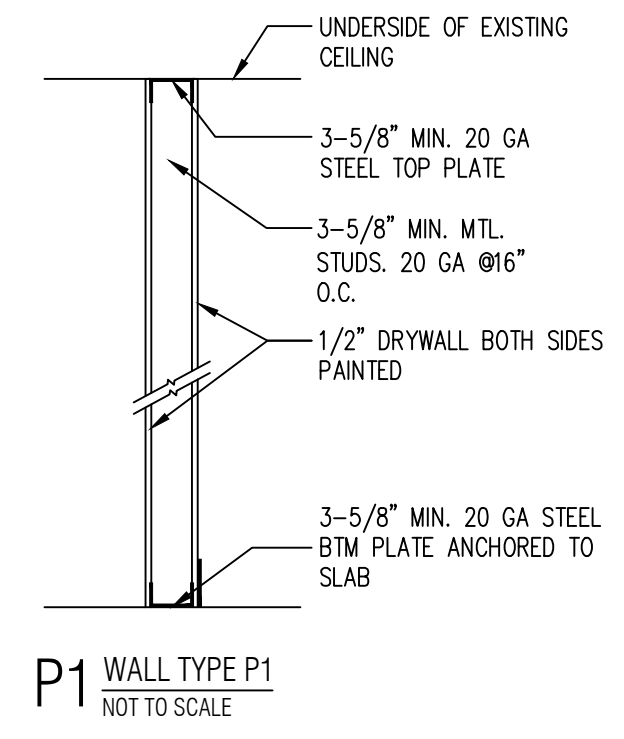


B DEMO PLAN
SCALE 1/4"=1'-0"

EXISTING WALL TO REMAIN
DEMO WALL



C EXISTING BASEMENT PLAN
SCALE 1/4"=1'-0"



ROOM FINISH SCHEDULE					
NO	ROOM	WALLS	BASE	FLOOR	CEILING
100	WAITING AREA	GYP. BD. PAINTED	QT COVE BASE	FLOOR TILE	EXIST'G GYP BD PAINTED
101	KITCHEN	STAINLESS STEEL	QT COVE BASE	QUARRY TILE	EXIST'G GYP BD PAINTED
102	TOILET	GYP. BD. PAINTED	QT COVE BASE	FLOOR TILE	EXIST'G GYP BD PAINTED
103	SERVICE AREA	STAINLESS STEEL	QT COVE BASE	QUARRY TILE	EXIST'G GYP BD PAINTED

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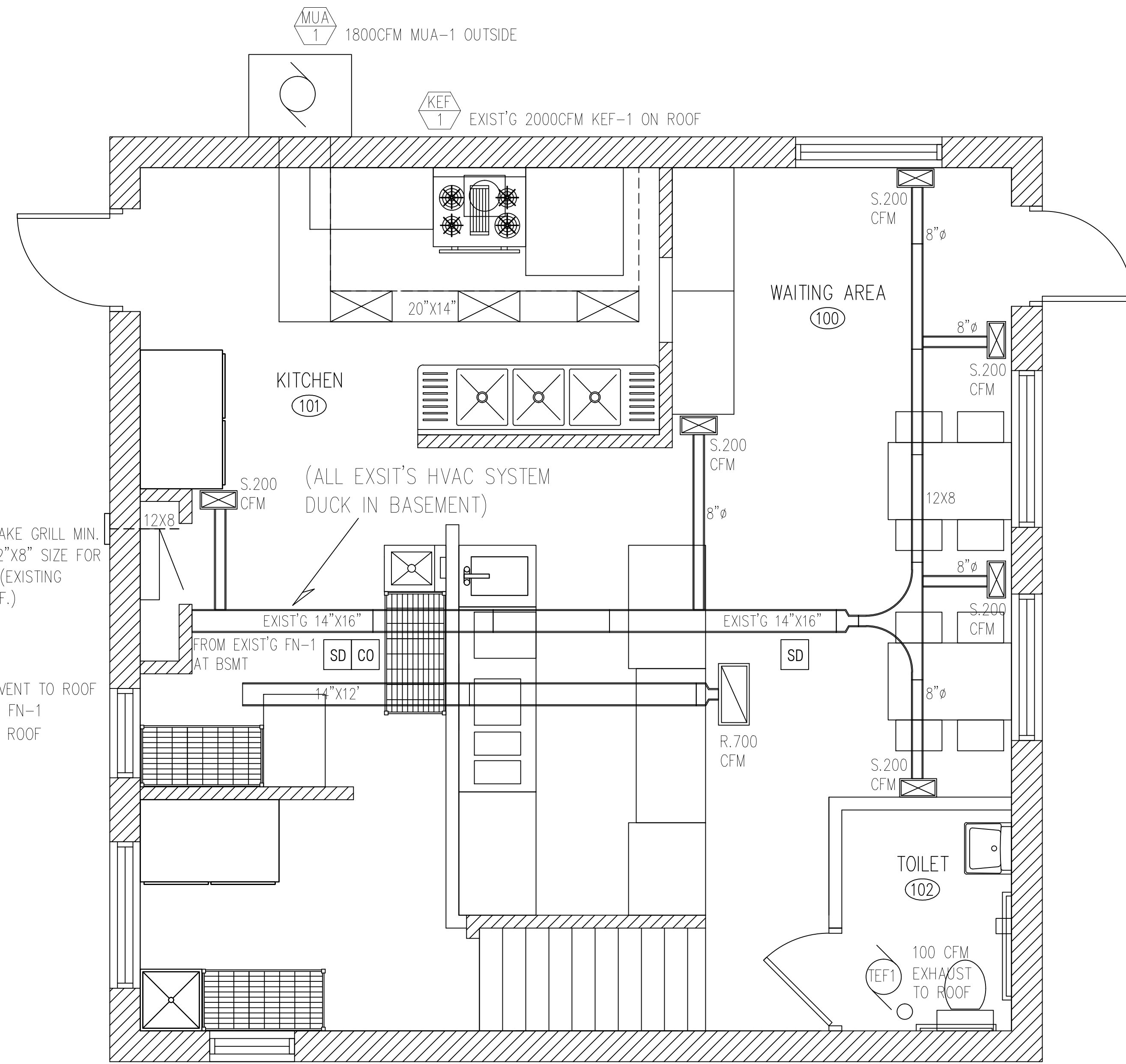
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FLOOR PLAN,
NOTES, &
SCHEDULES

SHEET NUMBER
A1

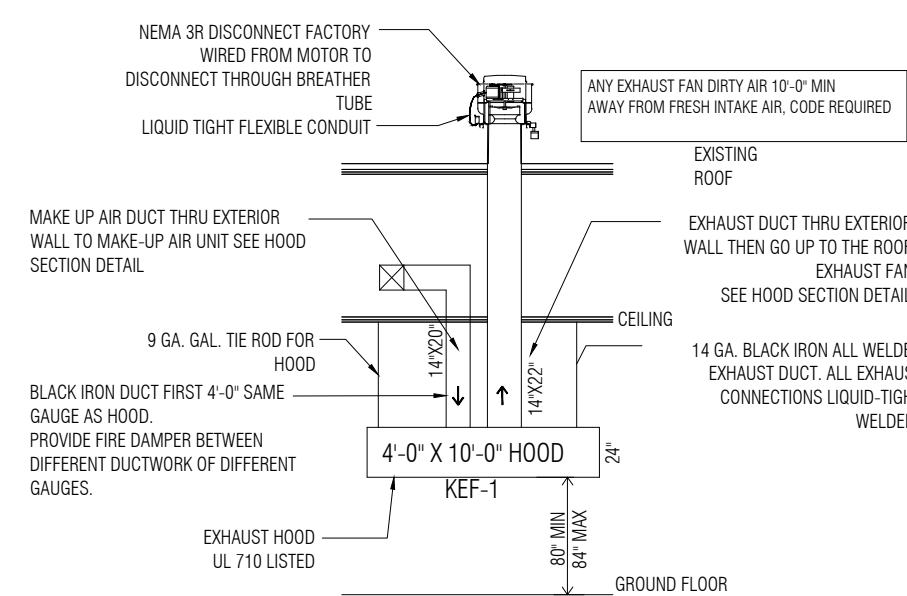


A MECHANICAL PLAN
SCALE 3/8" = 1'-0"

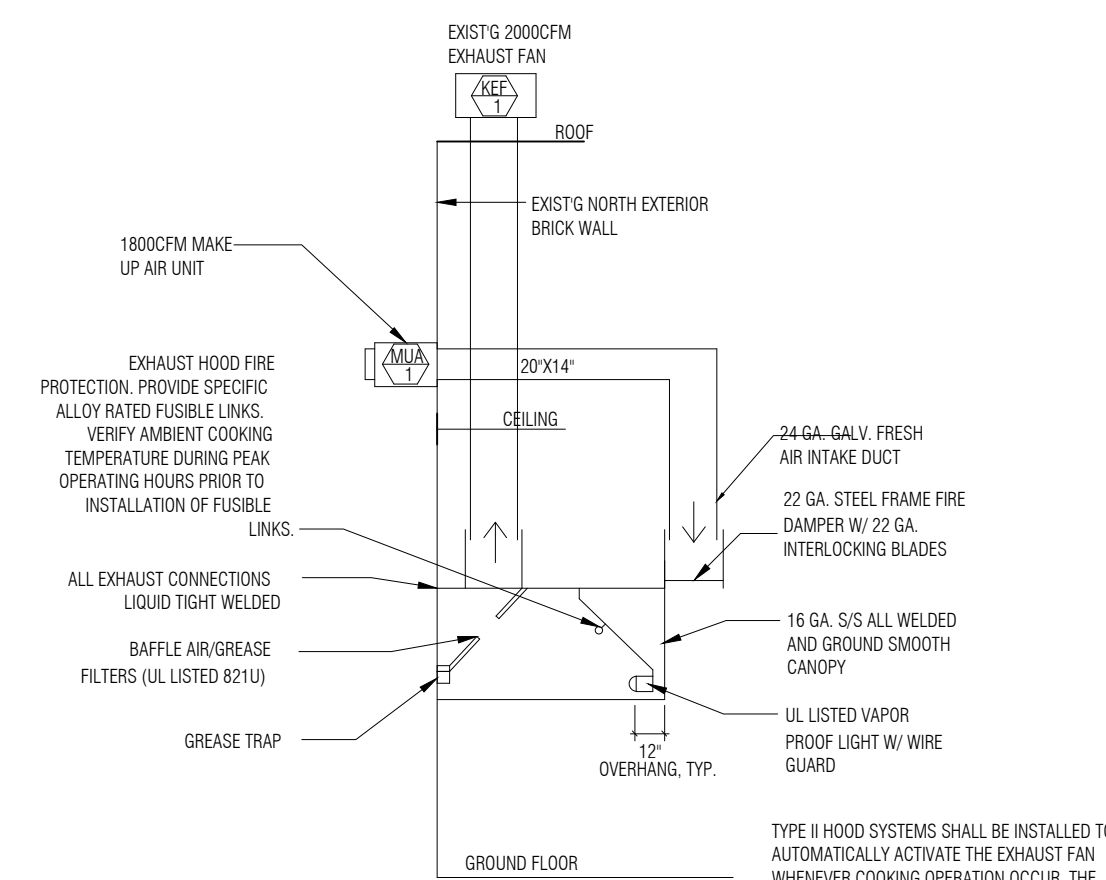
CALCULATIONS

EXIST'G EXHAUST HOOD KEF-1 SIZE: 4'-0" X 10'-0" = 40SF X 50CFM PER SF = 2000CFM
ONE EXHAUST FAN: 12"X12" DUCT SIZE @ 2000CFM / 1SF = 2000FPM

ONE MAKE UP AIR UNIT: MUA-1: 90% X 2000CFM = 1800CFM
12"X12" = 1SF DUCT @ 1800FPM
MAKE UP FROM KITCHEN = 200CFM



B KITCHEN TYPE II HOOD ELEVATION
NOT TO SCALE

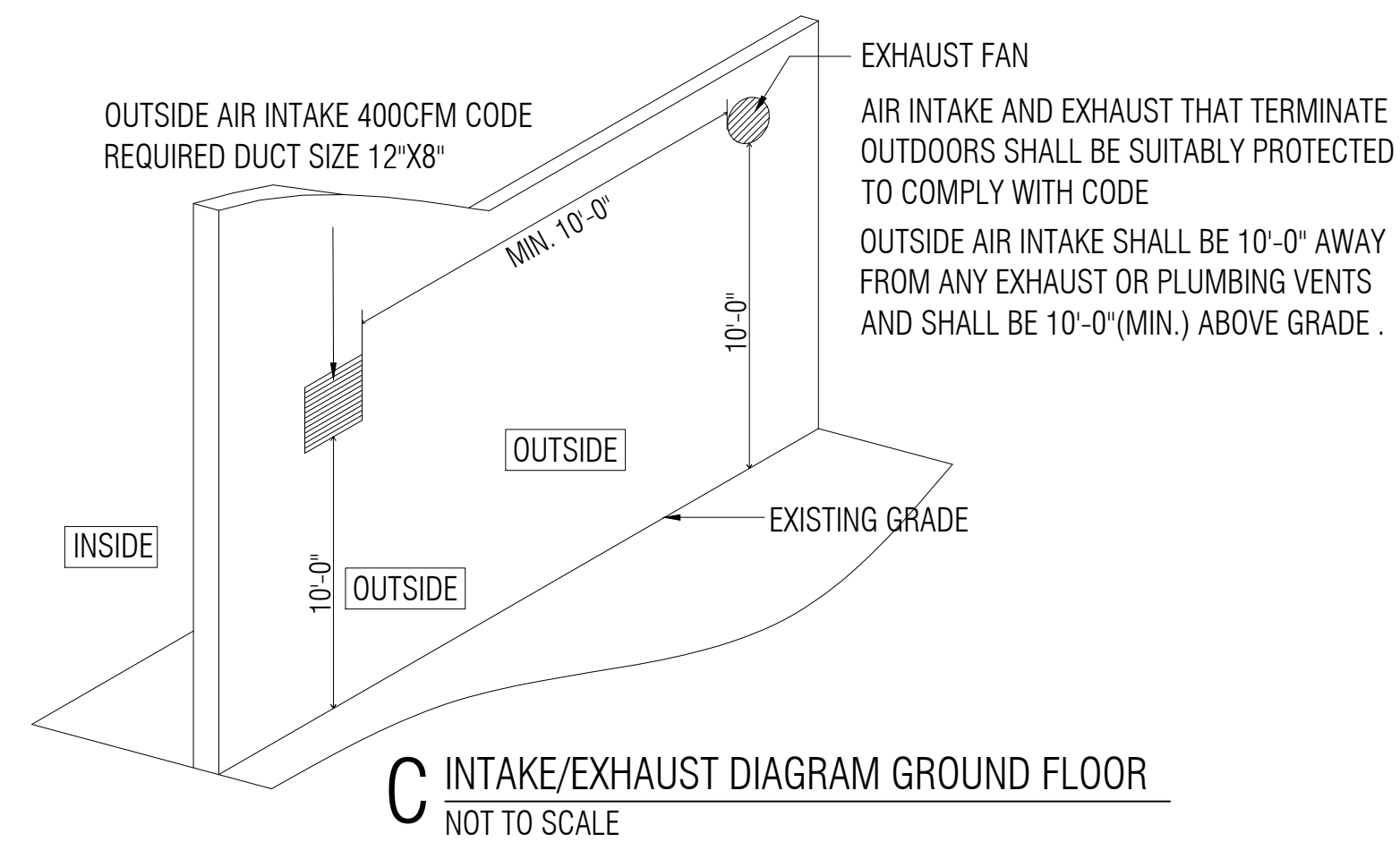


D TYPE II HOOD SECTION
NOT TO SCALE

VENTILATION SCHEDULE								
NUM	ROOM NAME/AREA	MECHANICAL VENTILATION (2015IMC TABLE 403.3 COMPL.)					SERVED BY	
		CODE		ACTUAL			SUPPLY	EXHAUST
		OUTDOOR AIR	EXHAUST	SUPPLY	EXHAUST	RETURN	SUPPLY	EXHAUST
100	WAITING	220	165		1000		700	EXIST'G FN-1
101	KITCHEN	450		315	1800 + 200 = 2000		EXIST'G 2000CFM	MUA-1
102	TOILET	39		75 PER WC			100	TEF-1
TOTAL			165		3000		700	

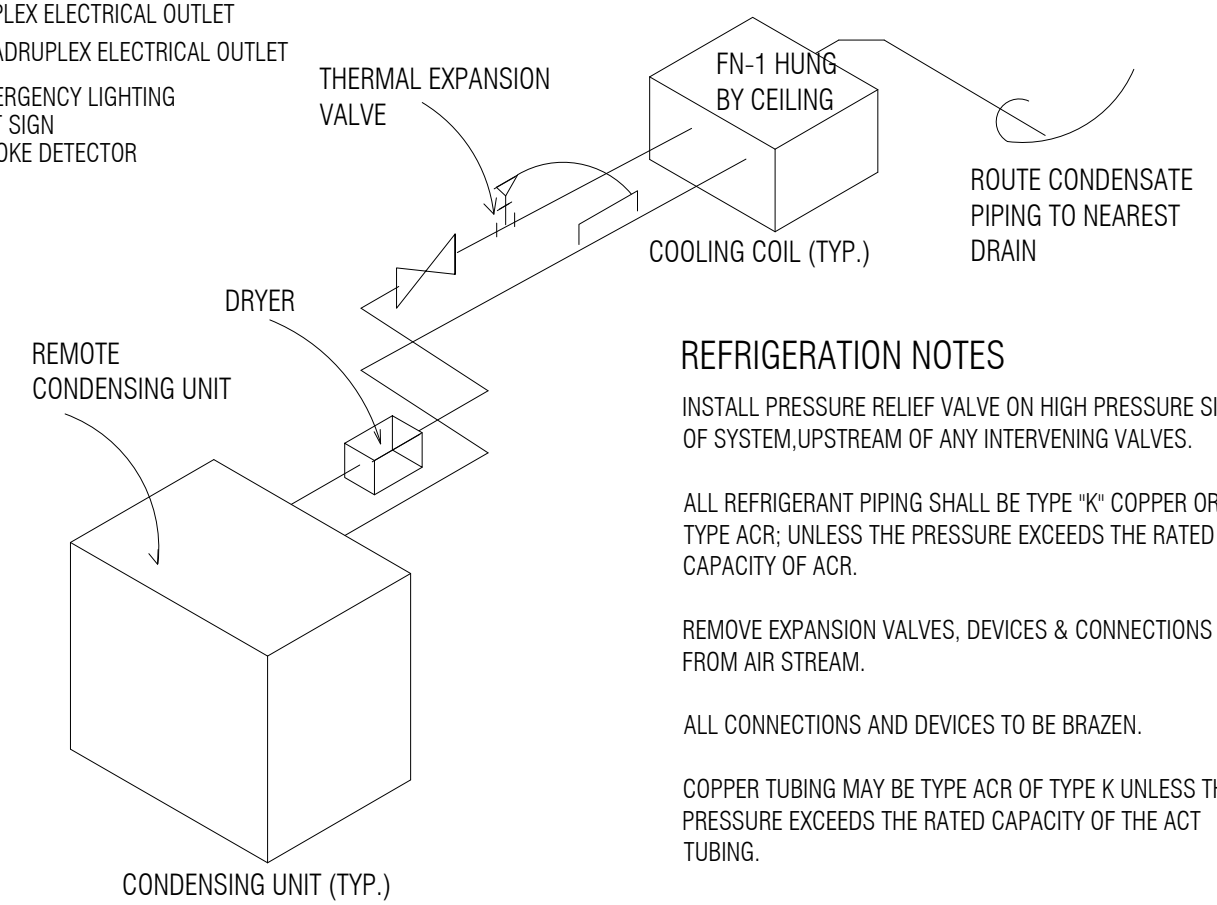
TOTAL FRESH AIR 33% X 1200CFM = 400CFM PROVIDED THRU. EXIST'G FN-1

MECHANICAL EQUIPMENT SCHEDULE					
MARK	QTY.	MANUF.	MODEL	CFM	REMARKS
FU/AC-1	1	EXIST'G	EXIST'G	1200	60,000 BTU IN/54,000 BTU OUT
KEF-1	1	EXIST'G	EXIST'G	2000	EXIST'G EXHAUST FAN
MUA-1	1	BY OWNER	BY OWNER	1800	TEMPERED MAKE UP AIR UNIT
TEF-1	1	BY OWNER	BY OWNER	100	TOILET ROOM EXHAUST FAN



LOCATE INTAKE OPENING DISCHARGE MIN 10'-0" FROM ANY FAN NOT LESS THAN 2'-0" ABOVE THE ROOF
ALL PLUMBING VENT TERMINALS SHALL BE LOCATED NOT LESS THAN 12'-0" HORIZONTALLY FROM ANY FRESH AIR INTAKE AT THE ROOF
ALL PIPE PENETRATIONS OF THE HOOD(S) DUCTS SHALL BE LIQUID TIGHT

- LEGEND:**
- ☒ RETURN AIR
 - ☒ DIFFUSER
 - LIGHT FIXTURE
 - PEDANT 2'X2' LIGHT FIXTURE
 - ◆ DUPLEX ELECTRICAL OUTLET
 - ⚡ QUADRUPLEX ELECTRICAL OUTLET
 - ⚡ EMERGENCY LIGHTING
 - ⓧ EXIT SIGN
 - ⓧ SMOKE DETECTOR



E REMOTE REFRIGERATION DIAGRAM TYP.
NOT TO SCALE

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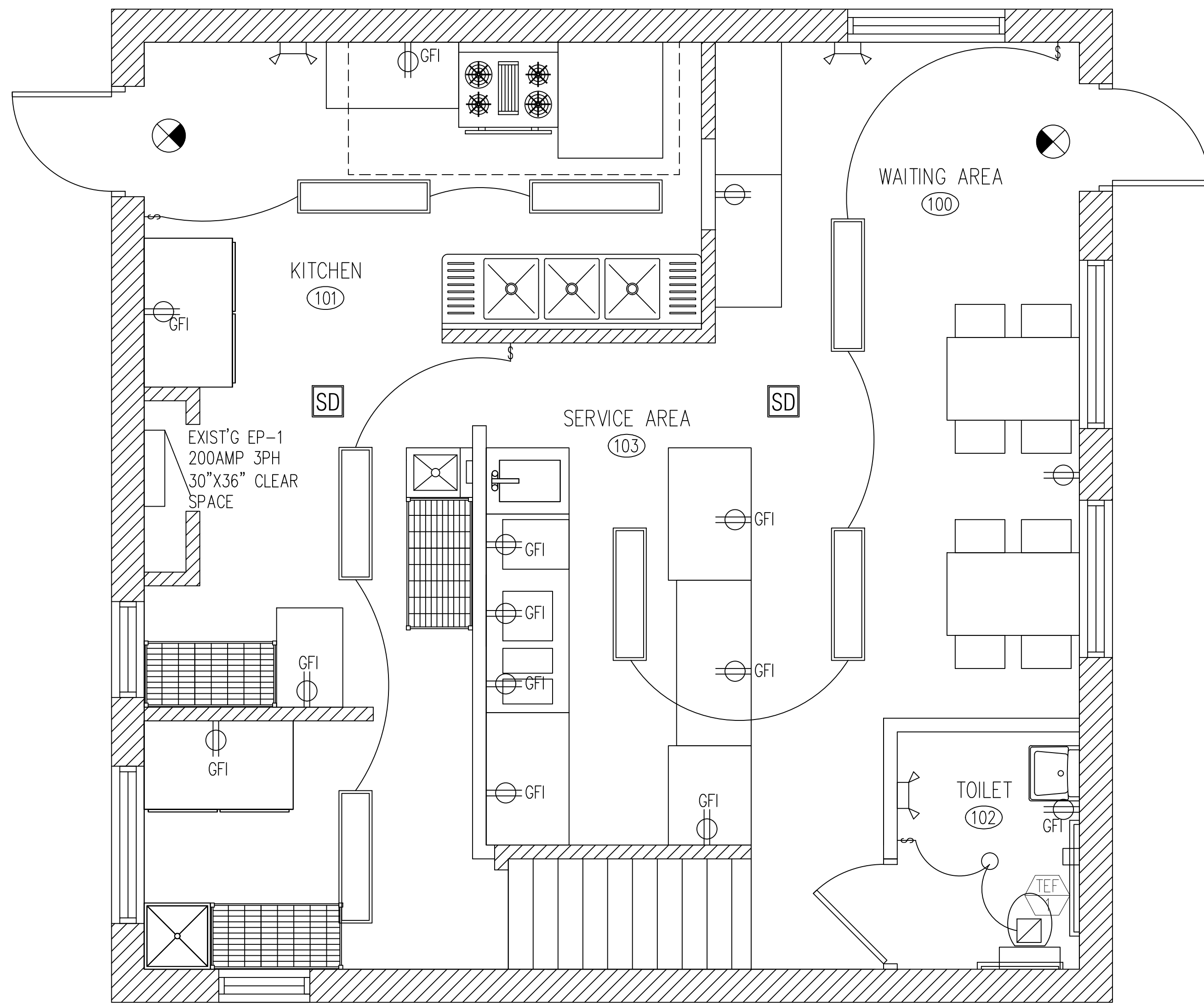
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MECHANICAL
PLAN & NOTES

SHEET NUMBER

M1



A ELECTRICAL PLAN
SCALE 3/8" = 1'-0"

EMERGENCY LIGHT FIXTURE SCHEDULE				
TYPE	MANUFACTURER	MODEL	LAMP	DESCRIPTION
☐	SURE-LITES	XR-9-C	(2)HALOGEN 12W	PPROVED BATTERY EM FIXTURE
⊗	ALPHA	EM-C SERIES SINGLE FACE	(2)7W FLUORESCENT	APPROVED SINGLE FACE EXIT SIGN BATTERY BACKUP 120V FIXTURE

FIRE PREVENTION BUREAU EXIT SIGN SYMBOLS

⊗	VIEW SIDE OF FIXTURE W/DIRECTIONAL ARROW	⊗	SINGLE FACE EXIT SIGN W/DIRECTIONAL ARROW	⊗	SINGLE FACE EXIT SIGN W/DIRECTIONAL ARROW
⊗	SINGLE FACE EXIT SIGN W/DIRECTIONAL ARROW	⊗	SINGLE FACE EXIT SIGN W/DIRECTIONAL ARROW	⊗	SINGLE FACE EXIT SIGN W/DIRECTIONAL ARROW

LEGEND:

- ☐ RETURN AIR
- ⊗ DIFFUSER
- LIGHT FIXTURE
- ☐ RECESSED 2'X4' LIGHT FIXTURE
- ☐ EMERGENCY LIGHTING
- ⊗ EXIT SIGN
- ☐ SMOKE DETECTOR

LIGHTING NOTES

AT LEAST FIFTY (50) FOOT CANDLES OF LIGHT SHALL BE PROVIDED ON ALL WORKING SURFACES. THIRTY (30) CANDLES OF LIGHT SHALL BE PROVIDED ON FOOD PREPARATION EQUIPMENT, UTENSIL WASHING SINKS, HAND WASHING AREAS RESTROOMS, AND ALL OTHER SURFACES. TWENTY (20) FOOT CANDLES OF LIGHT, AT A DISTANCE OF THIRTY (30) INCHES FROM THE FLOOR, SHALL BE PROVIDED IN ALL OTHER AREAS.

SHIELDING TO PROTECT AGAINST BROKEN GLASS FALLING IN FOOD SHALL BE PROVIDED FOR ALL LIGHTING FIXTURES LOCATED IN FOOD STORAGE, PREPARATION, SERVICE AND DISPLAY AREAS, AS WELL AS WHERE UTENSILS AND EQUIPMENT ARE CLEANED AND STORED. TEFLON COATING REQUIRED ON EXPOSED BULBS IN BARS AND WAIT STATIONS.

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ALL DROP/PLENUM CEILING WIRING TO COMPLY WITH NEC 300.22C. ALL LOW VOLTAGE WIRING TO BE SELF SUPPORTING. NOT RUN OVER ANY LIGHT BALLAST, AND RUN 90 DEGREE.

ALL FIRE ALARM, SMOKE DETECTOR, NIGHT LIGHT, AND EXIT SIGN CIRCUITS SHALL BE SECURED WITH A LOCKOUT DEVICE TO PREVENT ACCIDENTAL DEACTIVATION. INTERLOCK MOTORIZED DAMPERS MUST BE INSPECTED AT ROUGH AND FINAL STAGES BY BOTH THE ELECTRICAL AND MECHANICAL INSPECTORS.

INTERLOCK MOTORIZED DAMPERS MUST BE INSPECTED AT ROUGH AND FINAL STAGES BY BOTH THE ELECTRICAL AND MECHANICAL INSPECTORS. ALL LOW VOLTAGE WIRING FOR MECHANICAL HVAC (DDC) CONTROLS AND ANY AND ALL OTHER USES MUST BE RUN AT RIGHT 90 DEGREE ANGLES AND PROPERLY SUPPORTED. NO LOW VOLTAGE WIRING MAY CROSS OVER CEILING LIGHT FIXTURES.

EXHAUST FAN CONTROL SWITCHES MUST HAVE A PILOT LIGHT INDICATING FAN MOTOR IS POWERED. TIMERS ARE NOT APPROVED IN THE VILLAGE FOR EXHAUST FAN OPERATIONS OR THE OPERATIONS OF ANY MECHANICAL EQUIPMENT.

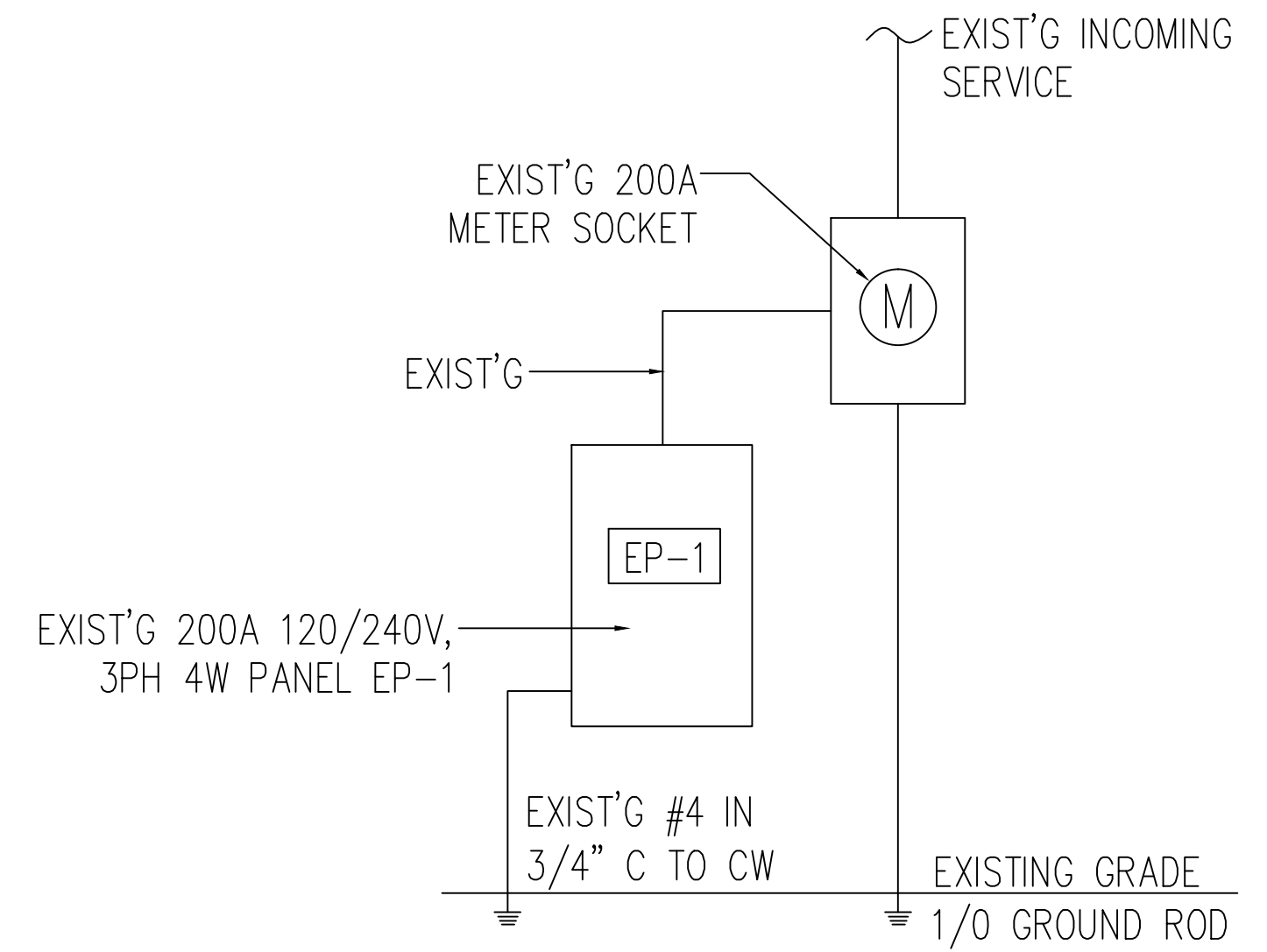
ALL RECEPTACLES SHALL BE RATED AT NO LESS THAN 20 AMPS WITH #12 COPPER WIRE

STORAGE BATTERIES FOR POWERING EMERGENCY SYSTEM SHALL BE OF SUITABLE RATING AND CAPACITY TO SUPPLY AND MAINTAIN THE TOTAL EMERGENCY LOAD FOR A PERIOD OF 1.5 HOURS MINIMUM WITHOUT THE VOLTAGE APPLIED TO THE LOAD FALLING BELOW 87.5% OF NORMAL.

ALL OUTLETS ABOVE COUNTERTOPS SHALL BE INSTALLED WITH LONG DIMENSION OF THE PLATES HORIZONTAL PROVIDE KELLUM GRIP (WIRE MESH SPRING RELIEF) AT ALL CEILING RECEPTACLE DROPS MAINTAIN 36" CLEAR FLOOR SPACE IN FRONT OF PANELS.

FINAL LOCATIONS OF TELEPHONE AND DATA OUTLETS TO BE CONFIRMED BY OWNER

ELECTRICAL 125V CONVENIENCE OUTLETS SHALL BE LOCATED ON THE SAME LEVEL WITHIN 25' OF ROOF MOUNTED EQUIPMENT.



B EXISTING POWER DISTRIBUTION DIAGRAM
NOT TO SCALE

EXIST'S 200A 110/240V, 3PH EP-1											
SERVES	C	B	A	AMPS	CK	CK	AMPS	A	B	C	SERVES
ICE MAKER	1800	---	---	20	1	2	15	180	---	---	FURANCE
SIGN OUTLET	---	1200	---	20	3	4	15	---	350	---	EMERGENCY LIT
SANDWICH COOLER	---	---	1200	20	5	6	15	---	---	350	WAITING RM LIT
FREEZER	1500	---	---	20	7	8	15	350	---	---	KITCHEN LIT
REFRIGERATOR	---	1500	---	20	9	10	20	---	1200	---	BAKERYDISPLAY
WAITING OUTLET	---	---	1080	20	11	12	20	---	---	1200	COFFEE MAKER
KITCHEN OUTLET	1080	---	---	20	13	14	20	1800	---	---	OVEN
BASEMENT LITS	---	700	---	15	15	16	2	---	1800	---	
BASEMENT OUTLETS	---	---	720	20	17	18	30	---	---	2880	DOUGH MIXER
KITCHEN OUTLET	1080	---	---	20	19	20	2	2880	---	---	
WORK TABLE OUTLET	---	1080	---	20	21	22	80	---	7680	---	SUB PANEL
TOILET RM OUTLET	---	---	1200	20	23	24	2	---	---	7680	
BASEMENT OUTLETS	720	---	---	20	25	26	20	360	---	---	REGISTER OUTLET
MUA-1	---	2100	---	30	27	28	20	---	---	1800	EXIST'G KEF-1
			2100		29	30	2	1800	---	---	
					31	32					
					33	34					
					35	36					
					37	38					
					39	40					
SUBTOTAL	6180	6580	6300					7370	11030	13910	
TOTAL PANEL LOAD	51370	VA	142.7	AMPS 3 PHASE							

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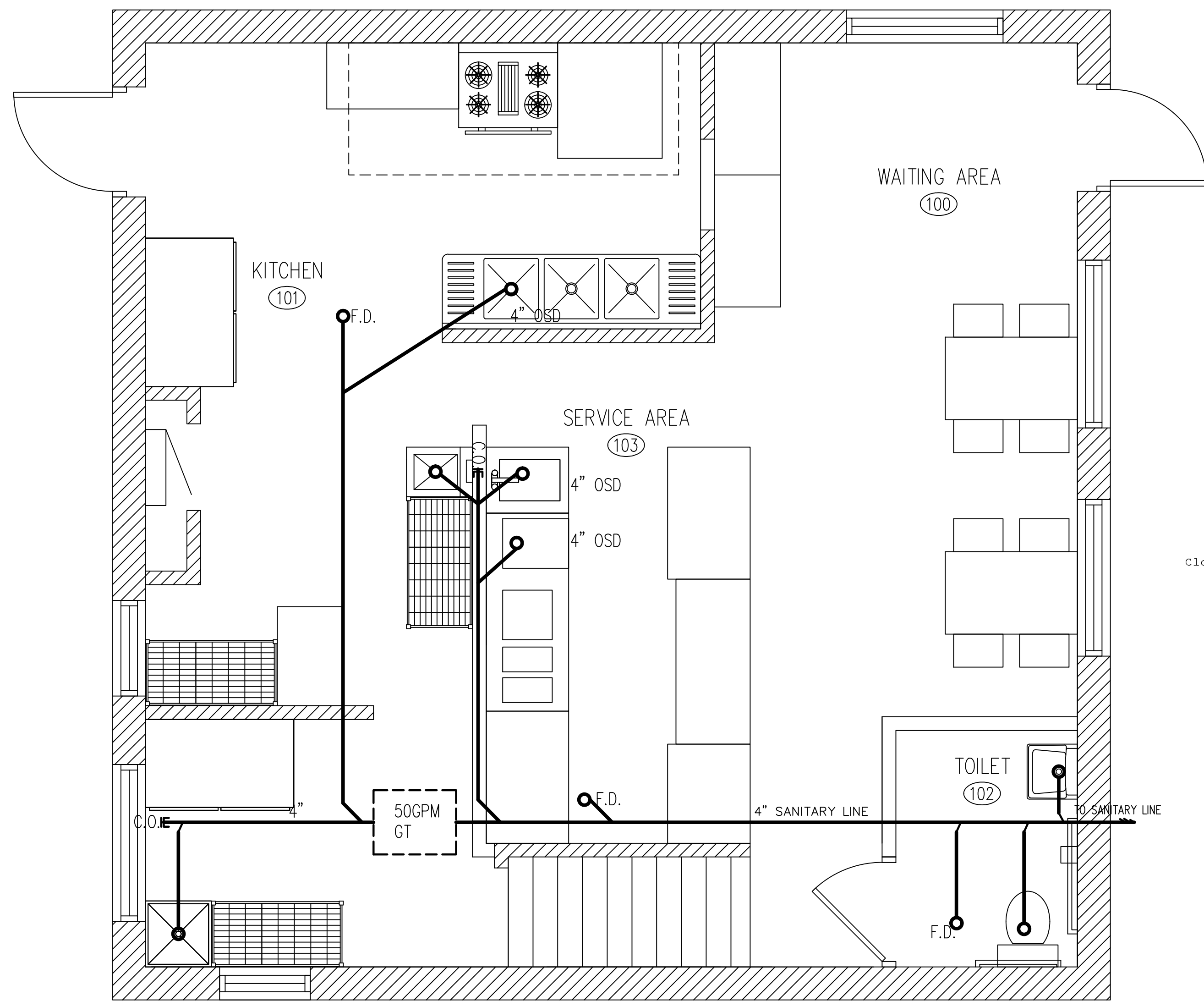
ISSUES	DATE
ISSUED FOR PERMIT	02/14/2021



ELECTRICAL PLAN & NOTES

SHEET NUMBER

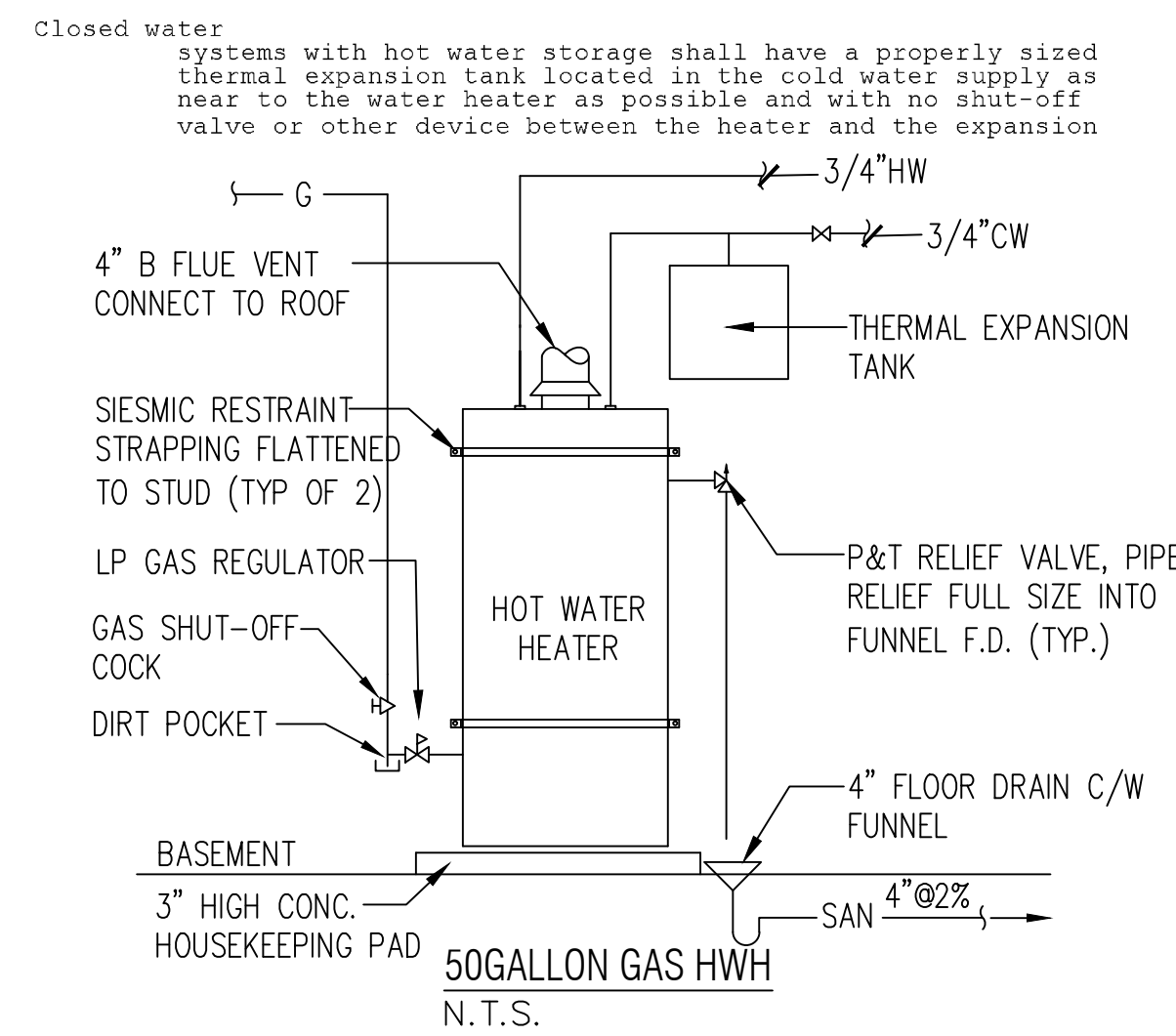
E1



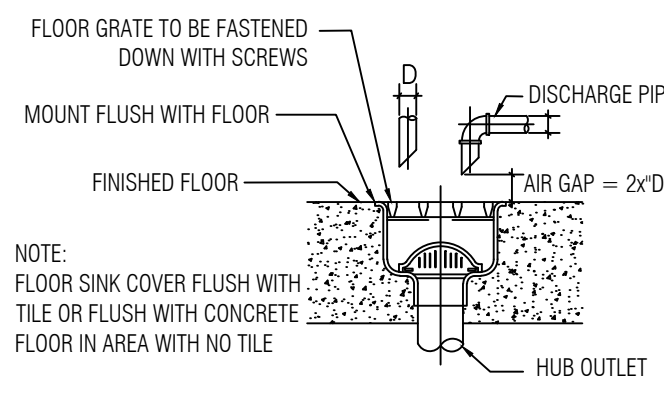
A PLUMBING PLAN
SCALE 3/8"=1'-0"

PLUMBING NOTES

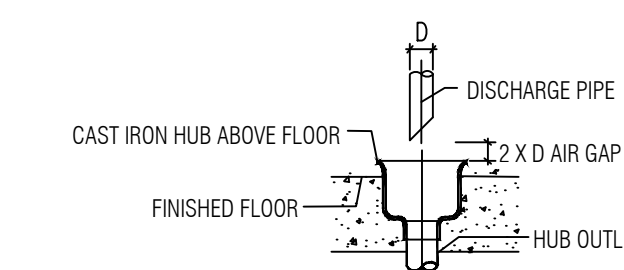
1. PROVIDE ALL LABOR, MATERIALS, REQUIRED PERMITS, INSPECTION FEE NECESSARY FOR AND INCIDENTAL TO THE INSTALLATION OF COMPLETE PLUMBING SYSTEM INCLUDING ALL PIPES, FITTINGS, EQUIPMENTS AND NECESSARY APPURTENANCE.
2. ALL PLUMBING INSTALLATIONS SHALL MEET STATE OF ILLINOIS PLUMBING CODE REQUIREMENTS.
3. ALL ABOVE GROUND SUPPLY WATER PIPING SHALL BE COPPER TYPE "L". TYPE "K" COPPER FOR UNDERGROUND. ALL UNDERGROUND VACUUM LINES TO BE TYPE "K" COPPER.
4. PROVIDE DOUBLE CHECK VALVES WITH ATMOSPHERIC VENTS OR REDUCED PRESSURE ZONED BACKFLOW PREVENTERS CAPABLE OF BEING SUBMERGED ON WATER INLETS WHERE YOU CANNOT INSTALL A VACUUM BREAKER AFTER THE LAST SHUT OFF VALVE OR SOLENOID SWITCH.
5. ALL PLUMBING VENT TERMINALS SHALL BE LOCATED NOT LESS THAN TWELVE FEET (12') HORIZONTALLY FROM ANY FRESH AIR INTAKE AT THE ROOF.
6. PROVIDE THERMOSTATIC MIXING VALVE TO EACH LAV. FAUCET AND AS INDICATED ON SUPPLY RISER DIAGRAM WITH WATER TEMPERATURE SETTING POINT OF 110° F - DEVICE TO COMPLY W/ ANSI/ASSE 1016 OR 1017.
7. TO PREVENT BACKFLOW AN ANSI 1013 COMPLIANT RPZ MUST BE INSTALLED FOR ALL SOAP ASPIRATORS.



E TYP. FLOOR DRAIN DETAIL
NOT TO SCALE



D TYPICAL FLOOR SINK
NOT TO SCALE



F TYP. INDIRECT WASTE CONNECTION (OSD)
NOT TO SCALE

- 1 PLUMBING NOTE**
- 11 GENERAL**
- 1 OPENINGS IN WALLS, FLOORS, AND CEILINGS FOR PIPE PASSAGE TO BE CLOSED OFF AND PROTECTED BY METAL COLLARS SECURELY FASTENED TO THE STRUCTURE
 - 2 PROTECTION OF ALL PIPING FROM CORROSION, BREAKAGE STRESS AND STRAIN, FREEZING AND PHYSICAL DAMAGE
 - 3 FLOOR DRAIN MIN 3" WATER SEAL; OPENING 2/3 OF PIPING;
 - 4 WATER SERVICE MIN 60" BELOW GRADE
 - 5 WATER HEATER SHUT OFF VALVE IN COLD LINE WITHIN 5'
 - 6 DRAINAGE PIPING UNIFORM GRADE FOR HORIZONTAL PIPING
 - 7 NOT SMALLER THAN 4" DIAMETER AT 1/4" PER FOOT SLOPE
 - 8 3"-8" SIZE AT MIN 1/8" PER FT SLOPE
 - 9 BRANCH SHUT OFF VALVE TO BE 125 PSI BALL VALVE
 - 10 PROVIDE DIELECTRIC FITTINGS AND SEPARATION BETWEEN DISSIMILAR METALS
 - 11 24" AIR CHAMBER TO EACH MAIN WATER RISER; 12" TO EACH FIXTURE
 - 12 AUTOMATIC MIXING VALVE TO PUBLIC LAVATORIES PER ANSI/ASSE 1016 OR 1017

21 SEWER DEPTH BELOW FROST LINE

22 ADEQUATE STRUCTURAL SUPPORT AND ANCHORAGE

	HANGER SPACING	
	HORIZONTAL	VERTICAL
PVC PIPE	4'	10'
CAST IRON PIPE	5'	15'
COPPER TUBING	6'	10'

23 UNDERGROUND INSTALLATION PREVENT FROM WAETR SEEPAGE & ACCUMULATION

24 CONDENSATION DRAINAGE FOR COOLING COILS

30 WATER SUPPLY PIPING

MATERIAL	SERVICE PIPE	DISTRIBUTION PIPE
COPPER	ASTM B42-1988	

ABOVE GRADE TYPE L HARD COPPER WITH LEAD FREE SOLDERING JOINTS
TYPE K FOR UNDERGROUND WITH WROUGHT COPPER FITTINGS
WATER PIPING TO BE INSULATED WITH 1/2" THICK 3 LBS DENSITY FIBERGLASS

40 SANITARY PIPING

ALL SANITARY AND VENT PIPING TO BE SERVICE WEIGHT CAST IRON PIPE WITH CAULED JOINTS

MATERIAL	ABOVEGROUND DRAINAGE & VENT	UNDERGROUND	PIPE FITTINGS
SERVICE WEIGHT CASR IRON	ASTM A 74; CISPI 301; ASTM A 888	ASTM A 74; CISPI 301; ASTM A 888	ASME B 16; 16.12; ASTM A 74; 888; CISPI 301

- 50 CLEAN OUT MIN 4" SIZE**
- 1 HORIZONTAL DRAINS AT 100' APART
 - 2 BUILDING SEWER AT 100' INTERVAL
 - 3 AT CHANGE OF DIRECTION
 - 4 BASE OF STACK
 - 5 JUNCTION OF DRAIN AND SEWER
- 51 ALL BRANCH PIPING SHUT-OFF VALVES TO BE 125 PSI BALL VALVE**
- 52 ALL GAS PIPING TO BE SCHEDULE 40 BLACK STEEL PIPE WITH 125 PSI SCREW FITTING; FLEXIBLE PIPING MUST BE UL LISTED**
- 53 PROVIDE 24" AIR CHAMBER TO EACH MAIN WATER RISER; 12" AIR CHAMBER TO EACH FIXTURE**

WATER USAGE CALCULATION

PLUMBING FIXTURES	NO.	LOAD IN SUPPLY FIXTURES UNITS		TOTAL
		COLD	HOT	
TOILET	1	3		3
LAVATORY	1	1	1	2
1 PREP SINK	1	3	3	4
ICE MAKER	1	1		1
MOP SINK	1	3	3	4
3-COMP SINK	1	3	3	4
HAND SINK	1	1	1	2
TOTAL				20

TOTAL 20WSFU, 14GPM DEMAND, METER SIZE EXISTG 3/4" AS PER TABLE N APPENDIX A

PLUMBING FIXTURES

PLUMBING FIXTURES	QTY
WATER CLOSET	1
LAVATORY	1
HAND SINK	1
3-COMP SINK	1
MOP SINK	1
ICE MAKER	1
PREP SINK	1
SOGL WATER HEATER	1
TOTAL	8

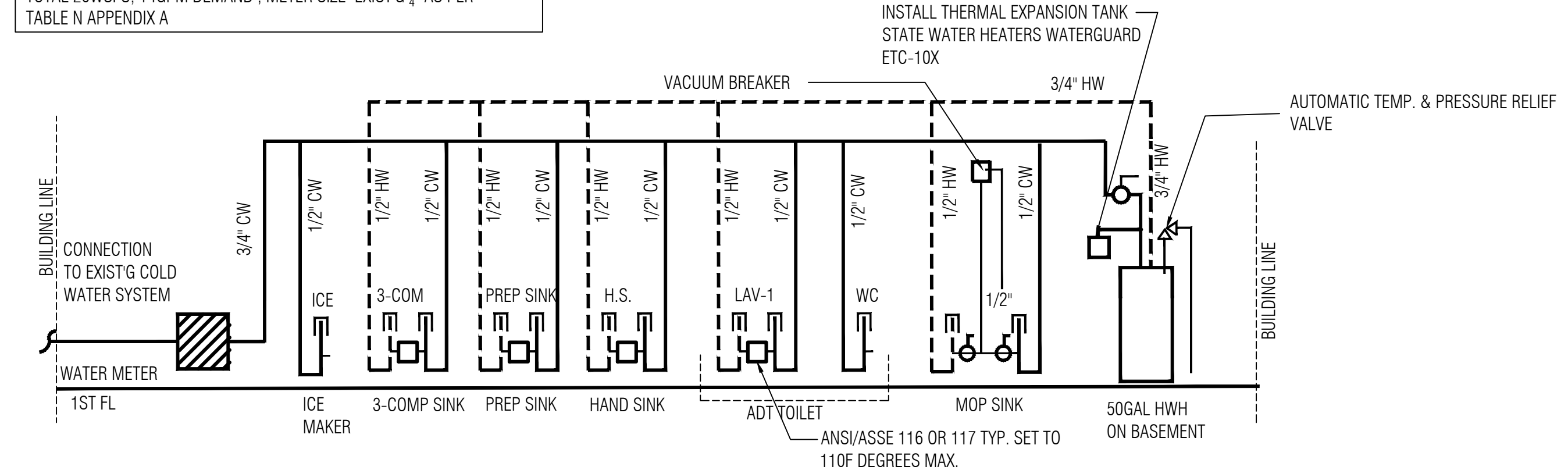
GREASE TRAP CALCULATION

ITEM	VOL. (GAL.)
3/16"X1/2"X1/2" COMP SINK	39.8
24"X24"X8" MOP SINK	20
F.D.	6
TOTAL	66 GAL.

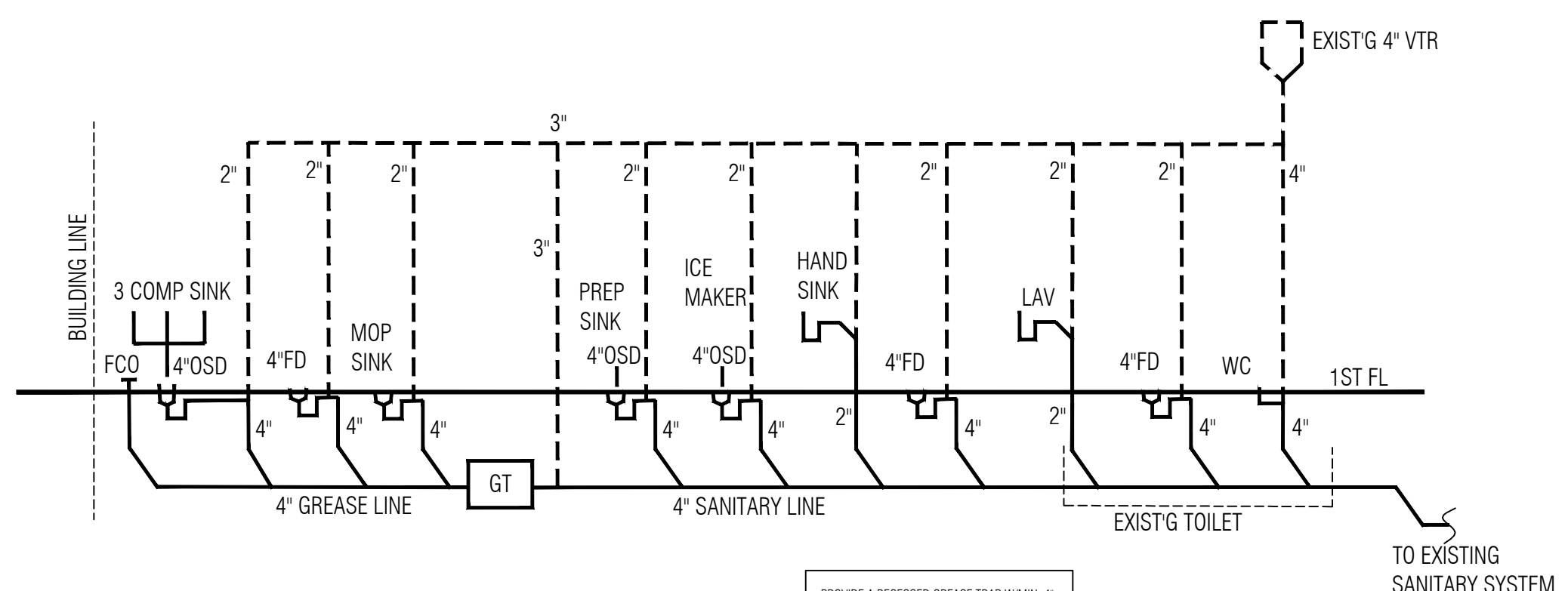
THEREFORE, MIN. GREASE TRAP REQUIREMENT: 66X60X8 OR 50GPM LIQUID HOLDING CAPACITY
THEREFORE, PICK 50GPM LIQUID HOLDING CAPACITY AS PER ILLINOIS PLUMBING CODE, 890.510

PLUMBING FIXTURES AND FITTINGS SCHEDULE

FIXTURE	MODEL	MODEL NO/ REMARKS
WATER CLOSET	KOHLER	ADA COMPLIANT, FLOOR MOUNTED
LAVATORY	KOHLER	ADA COMPLIANT, WALL MOUNTED
FAUCET	KOHLER	ADA COMPLIANT, ASME/ANSI 116/117 COMPLIANT, SET TO 110F MAX
TEMPERING VALVE	WATTS	1170-M2
TOILET PAPER DISPENSER	BOBRICK	B5288 ADA
GRAB BARS	BOBRICK	B6686 SERIES, 36" AND 42"
SOAP DISPENSER	BOBRICK	B82216 SURFACE MOUNTED
MIRROR	BOBRICK	B-165 (ADA COMPLIANT)
TRASH RECEPTACLE	BOBRICK	B-275 WALL MOUNTED
HAND DRYER	WORLD DRYER	WA126-2 PWHC WHITE AIRSPEED SURFACE MOUNTED MOUNT 38" AFF FOR ACCESSIBILITY



B WATER SUPPLY RISER DIAGRAM
NOT TO SCALE



C WASTE DIAGRAM
NOT TO SCALE

PROVIDE A RECESSED GREASE TRAP MIN. 4" INLET AND 4" OUTLET. LOCATE GREASE TRAP OUT FROM UNDERNEATH FIXTURES AND EQUIPMENT
ALL WASTELINES TO BE A MINIMUM OF 4" IN DIAMETER PIPING

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PLUMBING PLAN & NOTES

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P1