

**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.

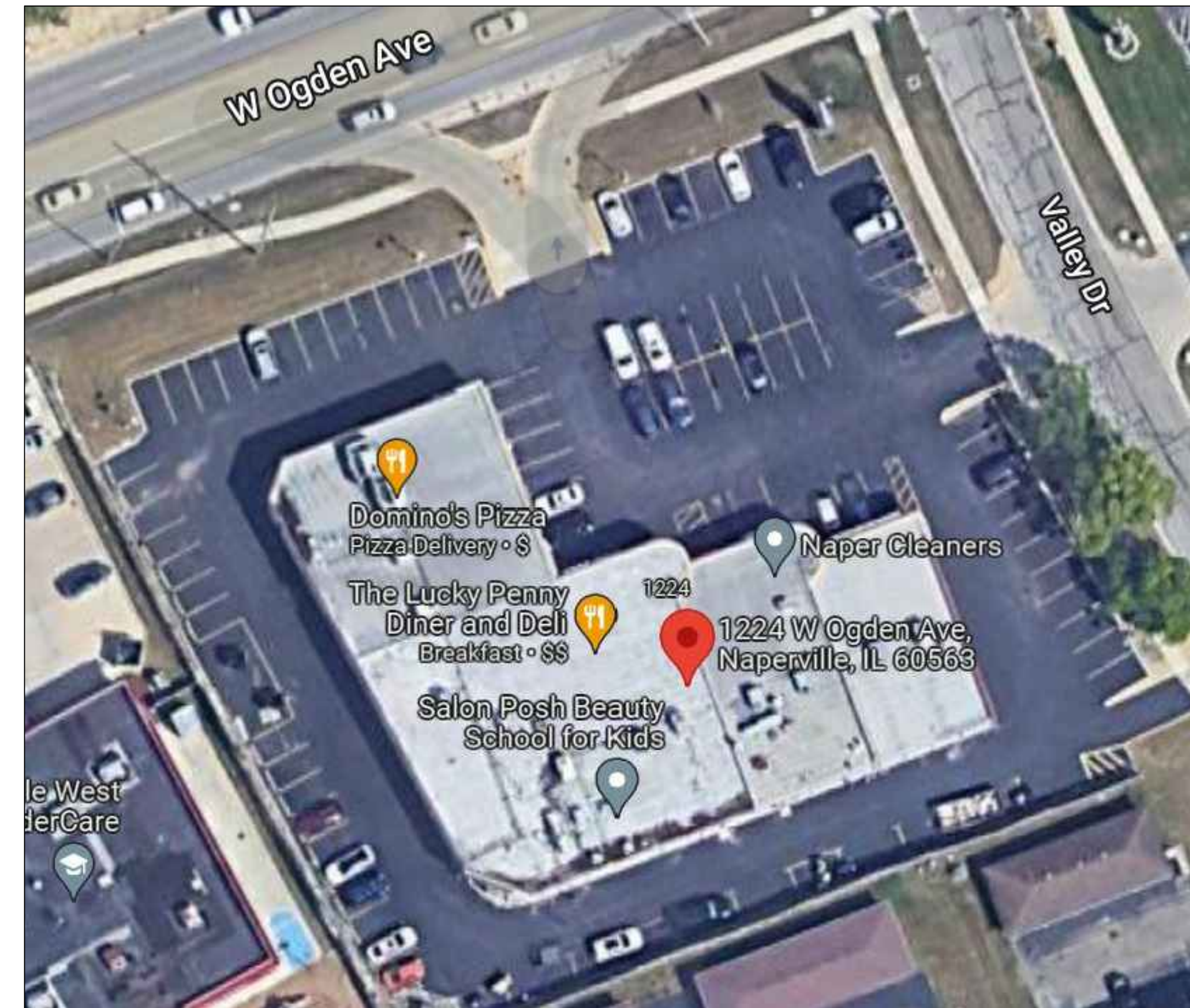
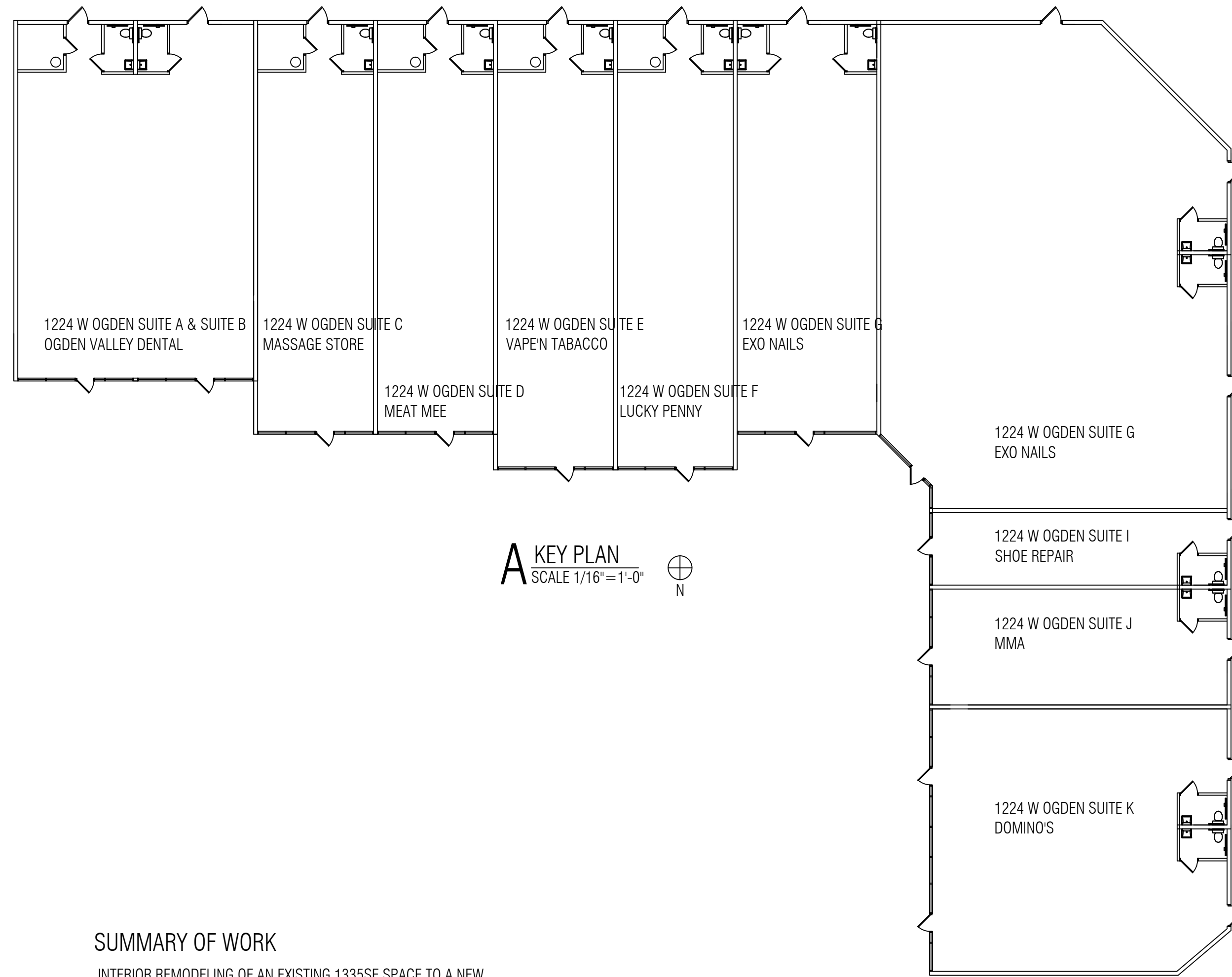
WHEN WALLS ARE TO BE "ALIGNED", THE ALIGNMENT OF SUCH WALLS IS TO THE OUTSIDE FINISHED SURFACE, SUCH AS DRYWALL SURFACE.

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.



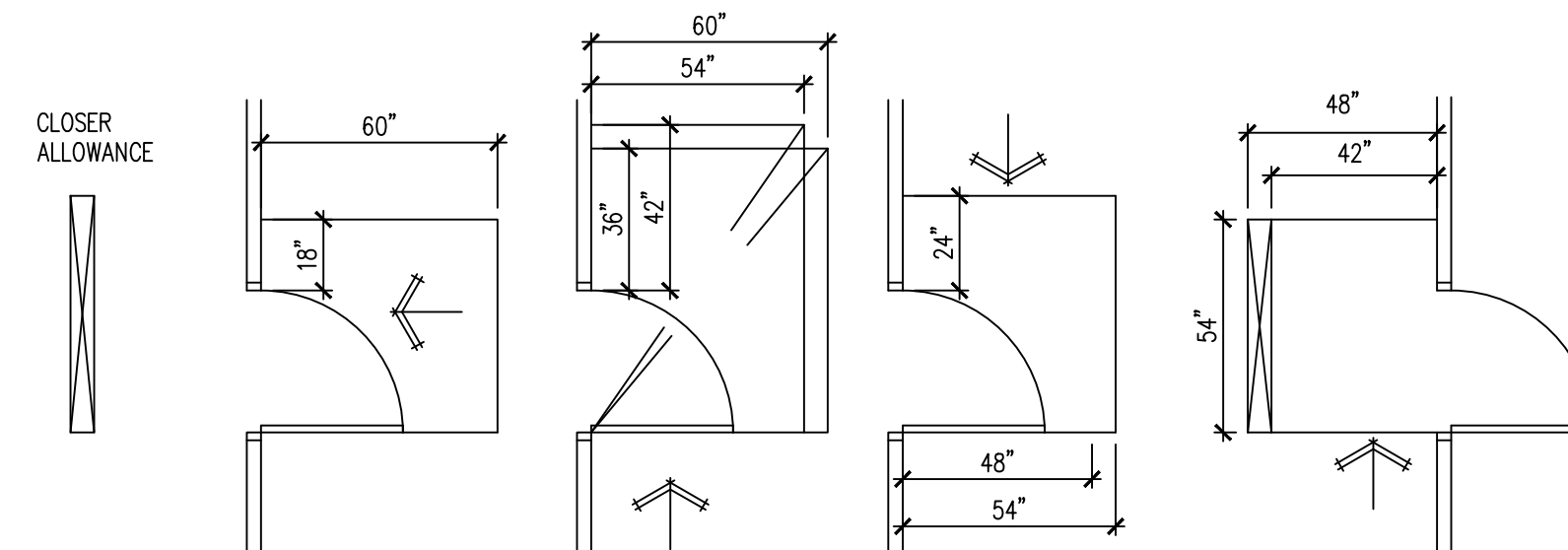
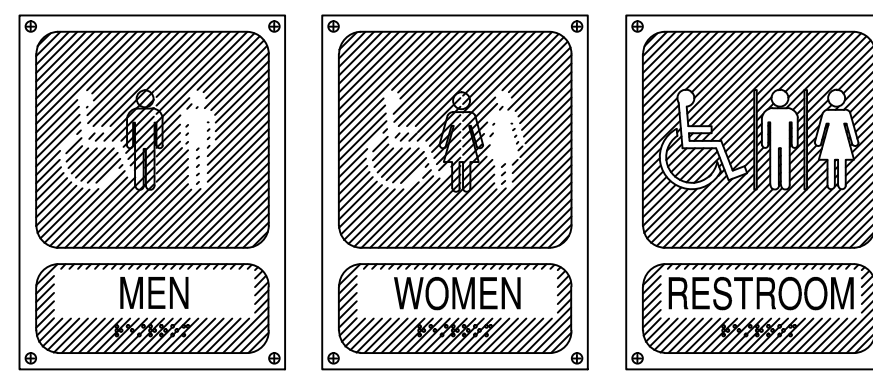
**A SITE PLAN**  
SCALE 1/16"=1'-0"

**SUMMARY OF WORK**

INTERIOR REMODELING OF AN EXISTING 1335SF SPACE TO A NEW MASSAGE STORE. PROVIDE ALL NECESSARY ARCHITECTURAL AND ELECTRICAL WORK. THE EXISTING PLUMBING AND MECHANICAL WORK TO REMAIN NO CHANGE AND NO WORK. KEY BOX PROVIDED.

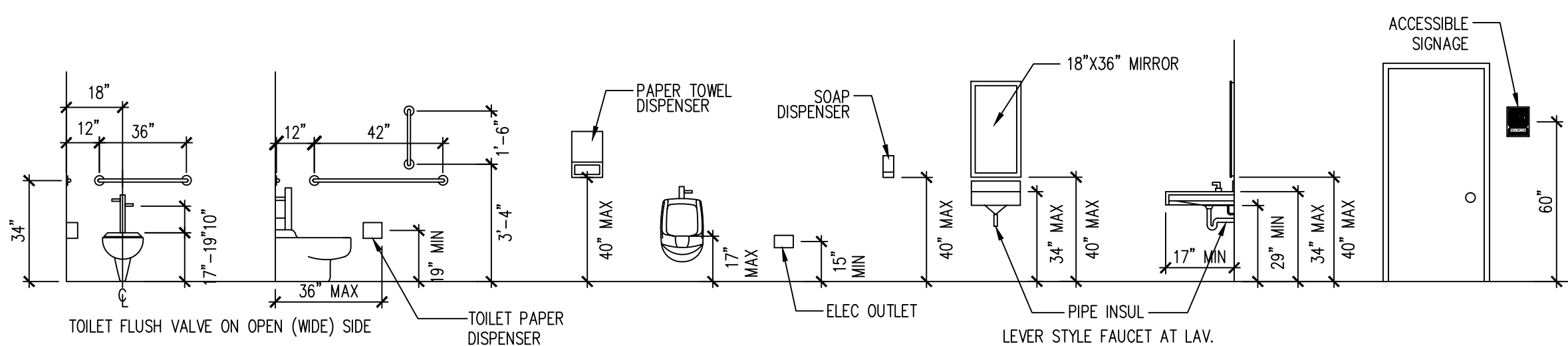
**ACCESSIBILITY REQUIREMENTS**

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:

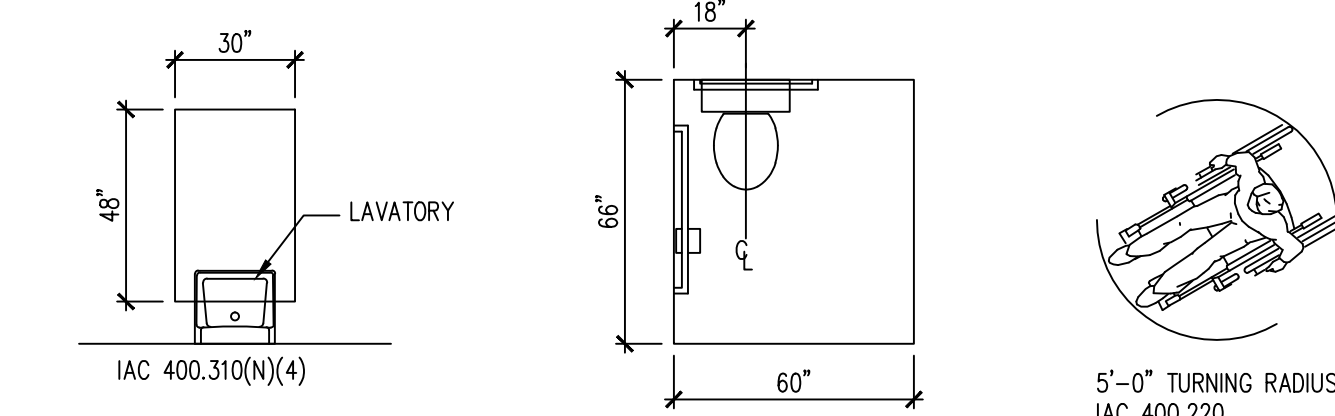


**D ACCESSIBLE SIGNAGE**  
NOT TO SCALE

**C DOOR MANEUVERING CLEARANCE**  
NOT TO SCALE



**E ACCESSIBLE MOUNTING HEIGHTS**  
NOT TO SCALE



**B TYPICAL ACCESSIBILITY REQUIREMENTS**  
NOT TO SCALE

PROJECT DATA	
USE GROUP CLASSIFICATION	CLASS B BUSINESS
CONSTRUCTION TYPE	I-B
TENANT SPACE FLOOR AREA	1335SF
TENANT SPACE OCCUPANTS	1035/100 = 10 OCCUPANTS
EXIT ACCESS TRAVEL DISTANCE	30FT MAXIMUM
AUTOMATIC SPRINKLERS	YES
NUMBER OF STORIES	1
REQUIRED NUMBER OF EXITS:	1 ACTUAL 2 PROVIDED
MINIMUM CORRIDOR WIDTH PROVIDED	42"
REQUIRED SEPARATION OF OCCUPANCIES	1 HR PER TABLE 508.4 OF THE IBC UTILIZED
MEANS OF EGRESS WIDTH	0.2' / OCCUPANT PER 1005.1 OF IBC 0.3' / OCCUPANT/ STAIRS PER 1005.1 OF THE IBC

**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

- 2018 INTERNATIONAL BUILDING CODE
- 2018 INTERNATIONAL FIRE CODE
- 2018 INTERNATIONAL FUEL GAS CODE
- 2018 INTERNATIONAL MECHANICAL CODE
- 2018 INTERNATIONAL PLUMBING CODE
- 2018 INTERNATIONAL ENERGY CONSERVATION CODE
- 2018 LIFE SAFETY CODE(NFPA 101)
- 2017 NATIONAL ELECTRICAL CODE
- NATIONAL FIRE CODE(NFPA), CURRENT EDITION
- 2014 STATE OF ILLINOIS PLUMBING CODE
- 2018 ILLINOIS ACCESSIBILITY CODE
- CITY OF NAPERVILLE CODE AMENDMENTS

**INDEX OF DRAWINGS**

- A0 PROJECT NOTES & SITE PLAN
- A1 FLOOR PLAN, NOTES & SCHEDULES
- E1 ELECTRICAL PLAN & NOTES
- M1 MECHANICAL PLAN & SCHEDULES
- P1 PLUMBING PLAN & NOTES

*Wei Tan*

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, 2024

WEI TAN  
LICENSED ARCHITECT  
2425 S WENTWORTH AVE.  
CHICAGO, IL 60616

PHONE: (312) 912-5798  
EMAIL: twarchitect98@yahoo.com

LICENSE NO: 001-022013  
EXPIRES: 11/30/2024

MESSAGE  
INTERIOR REMODELING  
1224 W OGDEN AVE SUITE C NAPERVILLE IL 60563

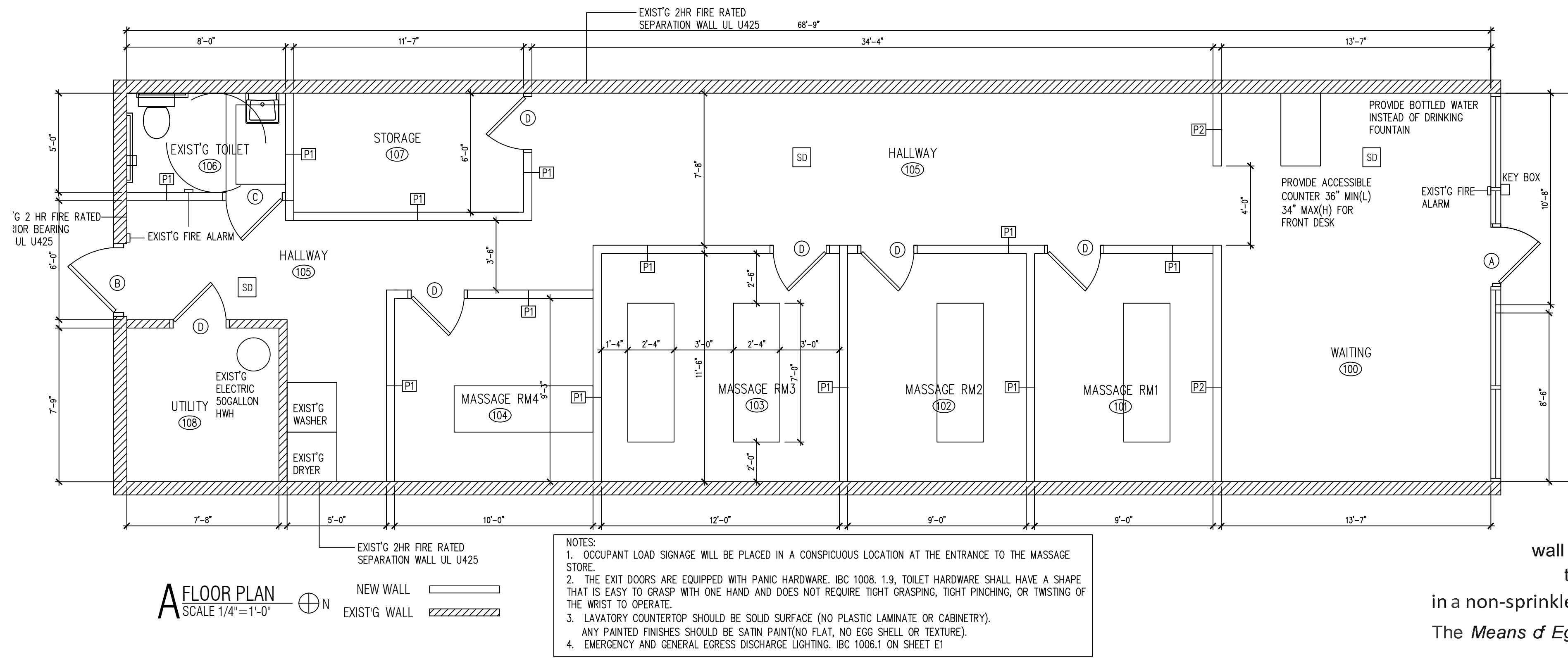
ISSUES	DATE
ISSUED FOR PERMIT	08/28/2022



**PROJECT NOTES & SITE PLAN**

SHEET NUMBER

**A0**



ROOM FINISH SCHEDULE					
NO	ROOM	WALLS	BASE	FLOOR	CEILING
100	WAITING AREA	GYP PAINTED	VINYL	CARPET	EXIST'G 2X4 LAY-IN ACOUSTIC TILE
101	MASSAGE RM1	GYP PAINTED	VINYL	CARPET	EXIST'G 2X4 LAY-IN ACOUSTIC TILE
102	MASSAGE RM2	GYP PAINTED	VINYL	CARPET	EXIST'G 2X4 LAY-IN ACOUSTIC TILE
103	MASSAGE RM3	GYP PAINTED	VINYL	CARPET	EXIST'G 2X4 LAY-IN ACOUSTIC TILE
104	MASSAGE RM4	GYP PAINTED	VINYL	CARPET	EXIST'G 2X4 LAY-IN ACOUSTIC TILE
105	HALLWAY	GYP PAINTED	VINYL	CARPET	EXIST'G 2X4 LAY-IN ACOUSTIC TILE
106	TOILET	GYP PAINTED	GT COVE BASE	FLOOR TILE	EXIST'G
108	UTILITY RM	GYP PAINTED	VINYL	VINYL TILE	EXIST'G 2X4 LAY-IN ACOUSTIC TILE
107	STORAGE	GYP PAINTED	VINYL	VINYL TILE	EXIST'G 2X4 LAY-IN ACOUSTIC TILE

WALL AND CEILING FINISHES SHALL BE CLASS A WITH A FLAME SPREAD RATING BETWEEN 0-25, HALLWAY IS CLASS A BETWEEN 0-25  
 FLOOR FINISHES SHALL BE CLASS 1 CRITICAL RADIANT FLUX GREATER THAN 0.45W/GM2.

DOOR SCHEDULE								
TAG	DESCRIPTION	FRAME CONSTRUCTION	NOMINAL SIZE W X H	DOOR FINISH	FRAME FINISH	LABEL	HARDWARE	COMMENTS
A	STORE FRONT GLASS DOOR	ALUMINUM	3'-0" x 7'-0"	TEMPERED GLASS	ALUMINUM	-	3	EXIST'G
B	HOLLOW METAL DOOR	PRE-HUNG METAL	3'-2" x 7'-0"	PAINT	PAINT	-	3	EXIST'G
C	WOOD DOOR	WOOD	3'-0" x 6'-8"	PAINT	PAINT	-	2	EXIST'G
D	WOOD DOOR	WOOD	3'-0" x 6'-8"	PAINT	PAINT	-	1	NEW

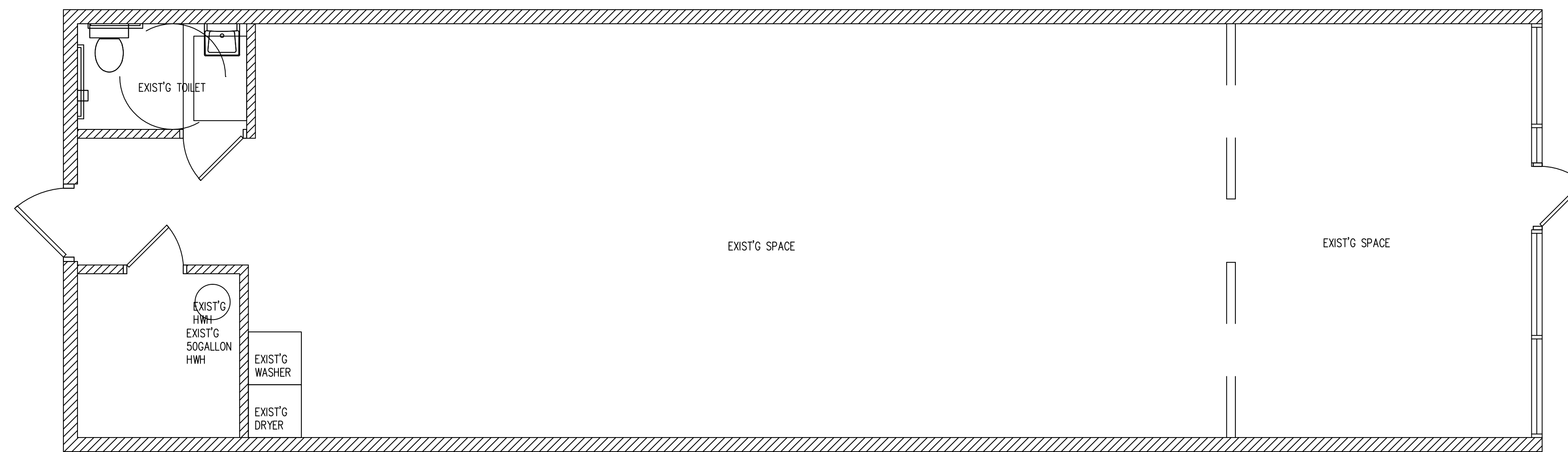
ALL EXIT DOORS MUST OPEN WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE FROM THE SIDE WHICH EGRESS IS MADE  
 LEVERED HANDLE HARDWARE AS REQUIRED BY ILLINOIS ACCESSIBILITY CODE  
 PROVIDE DOOR CLOSERS ALONG ALL ACCESSIBLE ROUTES

wall and or Ceiling Finishes meet the Fire Performance and Smoke Development requirements of the IBC section 803 (IBC 801.2). Interior Exit Passageway in a non-sprinklered B use must be Class A when tested in accordance with ASTM E84 of UL 723. The Means of Egress, including the Exit Discharge, shall be illuminated at all times the building is occupied (IBC 1006.1).

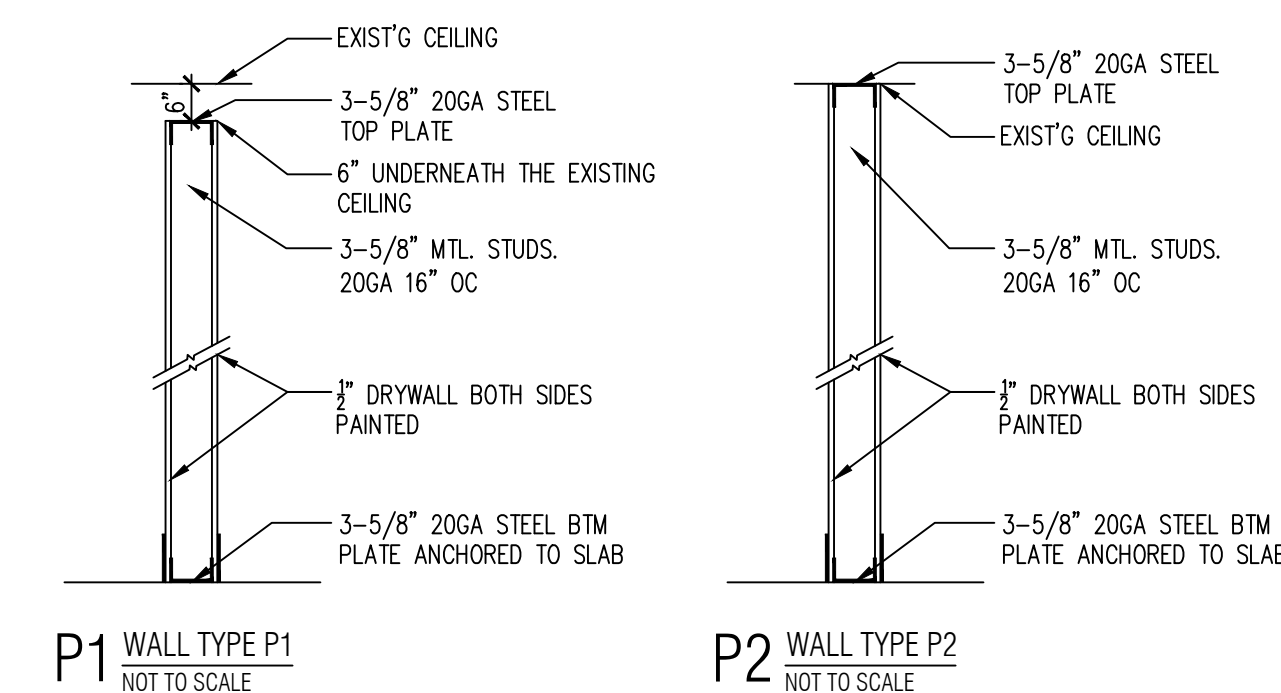
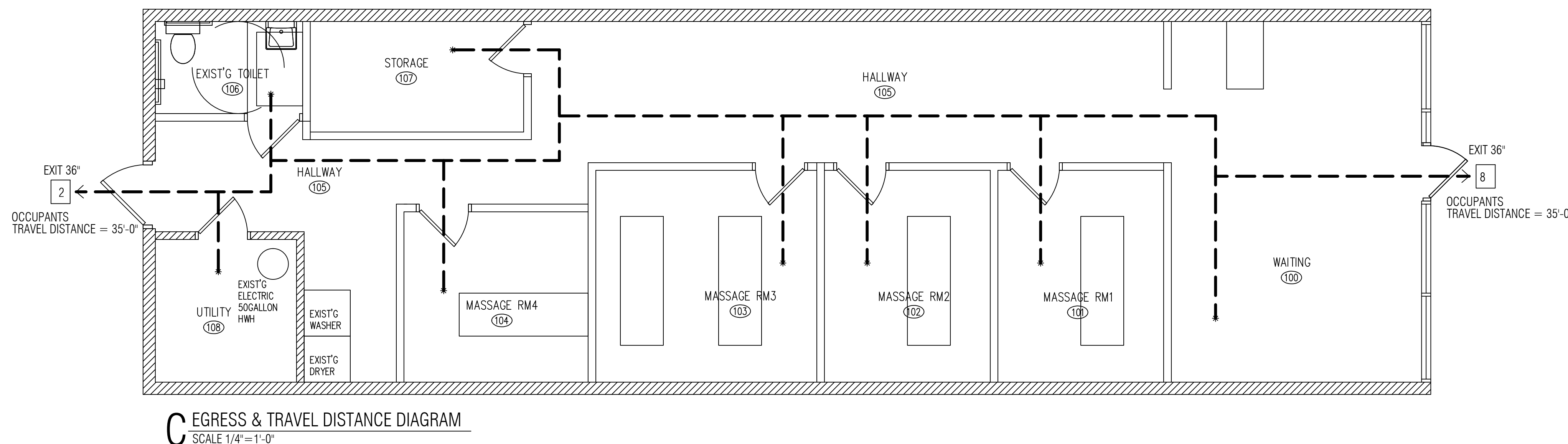
HARDWARE SCHEDULE	
TAG	DESCRIPTION
1	3 1/2 X 3 1/2 BUTT HINGES, W/ PRIVACY LOCKSET
2	BUTT HINGES, SELF CLOSING DEVICE, ACCESSIBLE HARDWARE
3	PANIC EXIT DEVICE
4	BUTT HINGES

**ARCHITECTURAL NOTES**

- ALL FINISHES TO BE MINIMUM CLASS "B".
- ALL MATERIALS USED FOR INTERIOR FINISH AND TRIM SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E84.
- WALL TILE AND TILE BASE IN ROOMS WITH GWB WALLS SHALL BE THIN SET WITH ADHESIVE IN ACCORDANCE WITH THE TILE COUNCIL OF AMERICA INC. ANSI A-108.5
- ALL FLOOR FINISHES SHALL HAVE A MIN. S.C.O.F. OF .06 WET OR DRY.



Ground and floor surfaces along accessible routes cannot have changes in level over X" and be vertical (IAC 400.310.a.7). Indicated on A1, Room Finish Schedule, please verify that the transition from floor tile finish to hardwood finish does not exceed X" vertically.



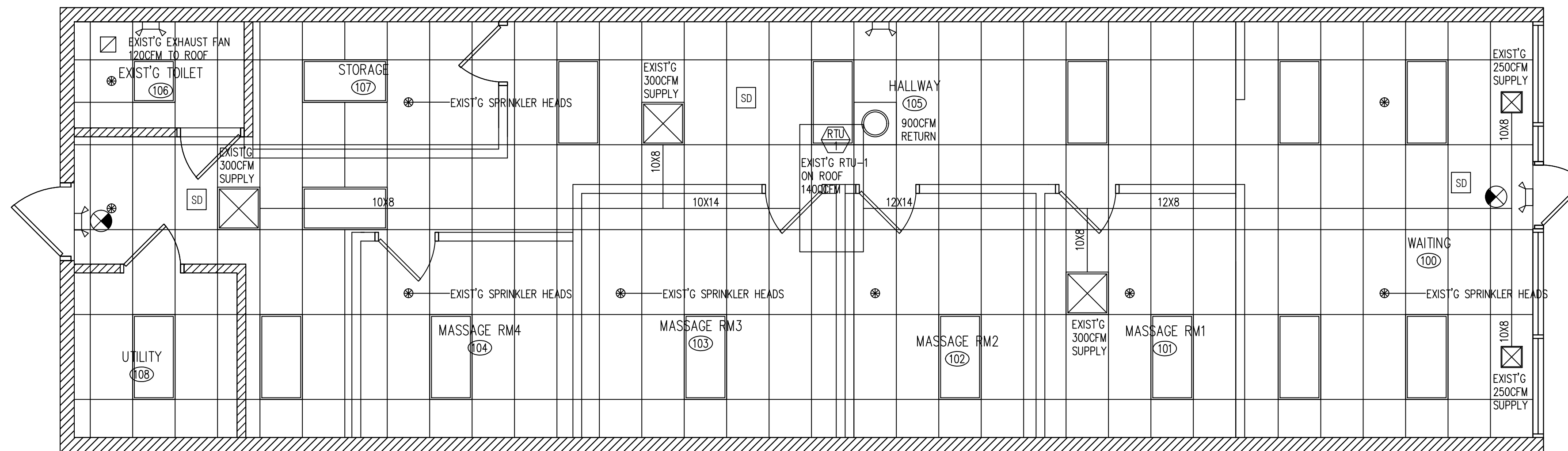
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FLOOR PLANS &  
 NOTES  
 SHEET NUMBER  
**A1**



**LEGEND:**

- ☒ RETURN AIR
- ☒ DIFFUSER
- LIGHT FIXTURE
- JUNCTION BOX
- ⊕ DUPLEX ELECTRICAL OUTLET
- ⊕ QUADRUPLEX ELECTRICAL OUTLET
- ⚡ EMERGENCY LIGHTING
- ⊕ EXIT SIGN
- ⊕ SMOKE DETECTOR

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

**REFRIGERATION NOTES**

INSTALL PRESSURE RELIEF VALVE ON HIGH PRESSURE SIDE OF SYSTEM, UPSTREAM OF ANY INTERVENING VALVES.

ALL REFRIGERANT PIPING SHALL BE TYPE "K" COPPER OR TYPE ACR, UNLESS THE PRESSURE EXCEEDS THE RATED CAPACITY OF ACR.

REMOVE EXPANSION VALVES, DEVICES & CONNECTIONS FROM AIR STREAM.

ALL CONNECTIONS AND DEVICES TO BE BRAZEN.

COPPER TUBING MAY BE TYPE ACR OF TYPE K UNLESS THE PRESSURE EXCEEDS THE RATED CAPACITY OF THE ACT TUBING.

"FIELD CONDITIONS," IF LOCATIONS CHANGE OR REVISIONS MADE TO THE MECHANICAL SYSTEM APART FROM THE DRAWING, DUE TO SITE CONDITIONS, THEY MUST BE NOTED ON A REVISED DRAWING AND SUPPLIED TO THE BUILDING DEPARTMENT FOR APPROVAL PRIOR TO INSTALLATION AS "AS BUILT DRAWINGS." THESE REVISED DRAWINGS WILL BECOME PERMANENT RECORDS FOR THE PROJECT AND USED AT THE TIME OF FINAL INSPECTION.

A COPY OF ALL MANUFACTURERS' INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE AT TIME OF INSPECTION. ALL METALLIC DUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE. ELECTRICAL WIRING CONTROLS AND CONNECTIONS TO EQUIPMENT AND APPLIANCES REGULATED BY THE MECHANICAL CODE SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.

POTABLE WATER SUPPLY AND BUILDING DRAINAGE SYSTEM CONNECTIONS TO THE EQUIPMENT AND APPLIANCES REGULATED BY THE MECHANICAL CODE SHALL BE IN ACCORDANCE WITH THE ILLINOIS STATE PLUMBING CODE. WHERE CONFLICTS BETWEEN THIS CODE AND THE CONDITION OF LISTING ON MANUFACTURER'S INSTALLATION OCCUR, FLEXIBLE DUCTS AND AIR CONNECTORS SHALL NOT PASS THROUGH ANY FIRE-RESISTANCE RATED ASSEMBLY.

EXHAUST FAN MOTORS SHALL BE LOCATED OUTSIDE OF THE EXHAUST AIR STREAM. PROVIDE AND CONSTRUCT WITH RODENT PROOFING AS REQUIRED IN CBC APPENDIX F "RODENT PROOFING" AND AS REQUIRED IN THE IMC 301.14.

CONDENSATE DRAIN PIPES SHALL BE PROVIDED FOR ALL CONDENSING APPLIANCES FROM APPLIANCE OR APPLIANCE DRAIN PAN AND SHALL BE MADE OF NOT LESS THEN 3/4" COPPER AT 1% SLOPE TO AN APPROVED LOCATION. CONDENSATE LINE SHALL BE PROVIDED WITH A TRAP IF REQUIRED BY THE MANUFACTURER. CONDENSATE LINE TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.

DUCT INSULATION SHALL CONFORM TO THE REQUIREMENTS OF CBC SECTION 604.2 THROUGH 604.13 AND THE INTERNATIONAL ENERGY CONSERVATION CODE.

FLEX DUCT: FACTORY ASSEMBLED CLASS I AIR DUCT, (UL 181) WITH FIBERGLASS INSULATION AND REINFORCED OUTER PROTECTIVE COVER/VAPOR BARRIER. FLEX DUCT SHALL MEET NFPA 90A WITH FLAME SPREAD UNDER 25, SMOKE DEVELOPED UNDER 50, AND SHALL BE RATED FOR 2" W.C. PRESSURE AND 0 TO 250 DEGREE TEMPERATURE. TO BE PROVIDED AND INSTALLED PER IMC SECTION 603.4, 603.5, THRU 603.8. FLEXIBLE AIR DUCT SHALL HAVE PLASTIC TIES OR METAL TAPE AT EACH END TO PREVENT INSULATION ROLL BACK.

**A EXIST'G MECHANICAL PLAN**  
 SCALE 1/4"=1'-0"

EXIST'G MECHANICAL TO REMAIN NO WORK  
 SINCE NEW PARTITION WALL HEIGHT IS 6"  
 BELOW THE EXISTING CEILING HEIGHT

VENTILATION SCHEDULE										
NUM	ROOM NAME	AREA	MECHANICAL VENTILATION (2018 IMC TABLE 403.3 COMPL.)						SERVED BY	
			CODE		ACTUAL				SUPPLY	EXHAUST
			SUPPLY	EXHAUST	SUPPLY	EXHAUST	RETURN			
100	WAITING AREA	134	50		250					
101	MASSAGE RM 1	104	39							EXIST'G RTU-1
102	MASSAGE RM 2	104	39		900					
103	MASSAGE RM 3	150	56					900		
104	MASSAGE RM 4	92	35							
105	HALLWAY	425	N.R.							
106	EXIST'G TOILET	40	N.R.	70		120				TEF-1
107	STORAGE	58	N.R.							
108	UTILITY	51	N.R.							
TTL SUPPLY (EXIST'G RTU-1 )					1400					
TOTAL RETURN AIR								900		
TOTAL OUTDOOR AIR			256CFM	PROVIDE 450CFM FRESH AIR THRU. EXIST'G RTU-1 ECONOMIZER						

MECHANICAL EQUIPMENT SCHEDULE					
MARK	QTY.	MANUF.	MODEL	CFM	REMARKS
RTU-1	1	EXIST'G	EXIST'G	1400	80,000 BTU INPUT, 64,000 BTU OUTPUT.
TEF-1	1	EXIST'G	EXIST'G	120	TOILET EXHAUST FAN

**MECHANICAL NOTES:**

ALL DIFFUSERS, REGISTERS, RETURNS, AND TOILET EXHAUST FANS TO BE COMMERCIAL GRADE.

NEW DUCTWORK SHOULD BE REQUIRED ALL SHEET METAL SHALL BE IN COMPLIANCE TO SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA) STANDARDS. DUCT WORK SHALL BE INSULATED WITH AIR TIGHT JOINTS PROPERLY SUPPORTED TO AVOID STRAIN, VIBRATION AND NOISE. ALL FRESH AIR INTAKE OPENINGS SHALL BE A MIN. OF 15'-0" AWAY FROM ANY EXHAUST OR POINT OF CONTAMINATED DISCHARGE.

THE MECHANICAL SYSTEM SHALL BE COMPLETED WITH ALL NECESSARY APPURTENANCES FOR A COMPLETE OPERATING SYSTEM. ALL U.L. APPROVED FIRE DAMPERS FOR ALL HVAC APPLICATIONS ON THIS PROJECT MUST HAVE A ROUGH AND FINAL DAMPER INSPECTION.

SMOKE DETECTORS SHALL BE INSTALLED IN RETURN AIR SYSTEM WITH A DESIGN CAPACITY GREATER THAN 2,000 CFM IN THE RETURN AIR DUCT OR PLENUM UPSTREAM OF ANY FILTERS, EXHAUST CONNECTIONS, OUTDOOR AIR CONNECTIONS, OR DECONTAMINATION EQUIPMENT AND APPLIANCES.

SMOKE DETECTOR'S PROVIDED IN RETURN AIR SYSTEM SHALL BE CONNECTED TO THE AIR HANDLING SYSTEM IN SUCH A WAY THAT THE AIR-HANDLING SYSTEM IS SHUT DOWN UPON ACTIVATION OF THE AIR-HANDLING UNIT SMOKE DETECTOR. DUCT TAPE SHALL NOT BE UTILIZED IN ANY APPLICATION WITH THE MECHANICAL EQUIPMENT OR DUCT INSTALLATION. METAL TAPE IS APPROVED.

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.

IF REQUIRED BY THE BUILDING DPEARMENT, ALL NON-EXPOSED DUCT WORK MUST BE INSPECTED PRIOR TO BEING EXTERNALLY INSULATED, WRAPPED. IF REQUIRED BY THE BUILDING DEPARTMENT.

TYPE B AND TYPE B-W GAS VENTS MUST BE SECURED IN THE VERTICAL WITH METAL STRAP. SCREWS ARE NOT ALLOWED IN THE INSTALLATION OF TYPE B AND B-W GAS FLUE VENTS AS A JOINT FASTENER.

WEI TAN  
 LICENSED ARCHITECT  
 2425 S WENTWORTH AVE.  
 CHICAGO, IL 60616

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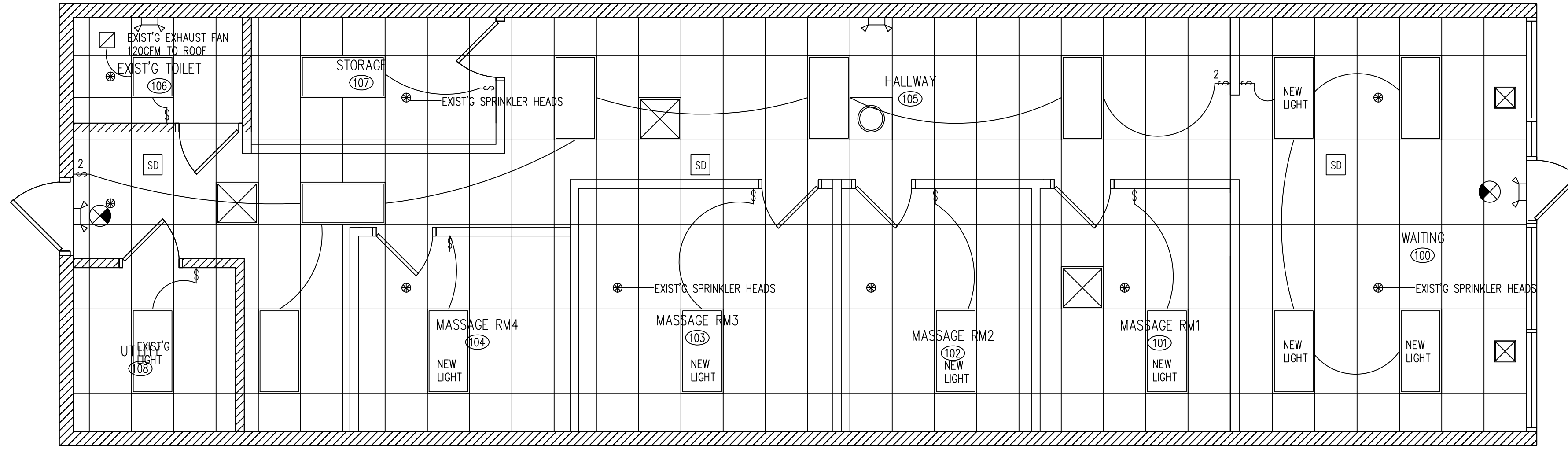
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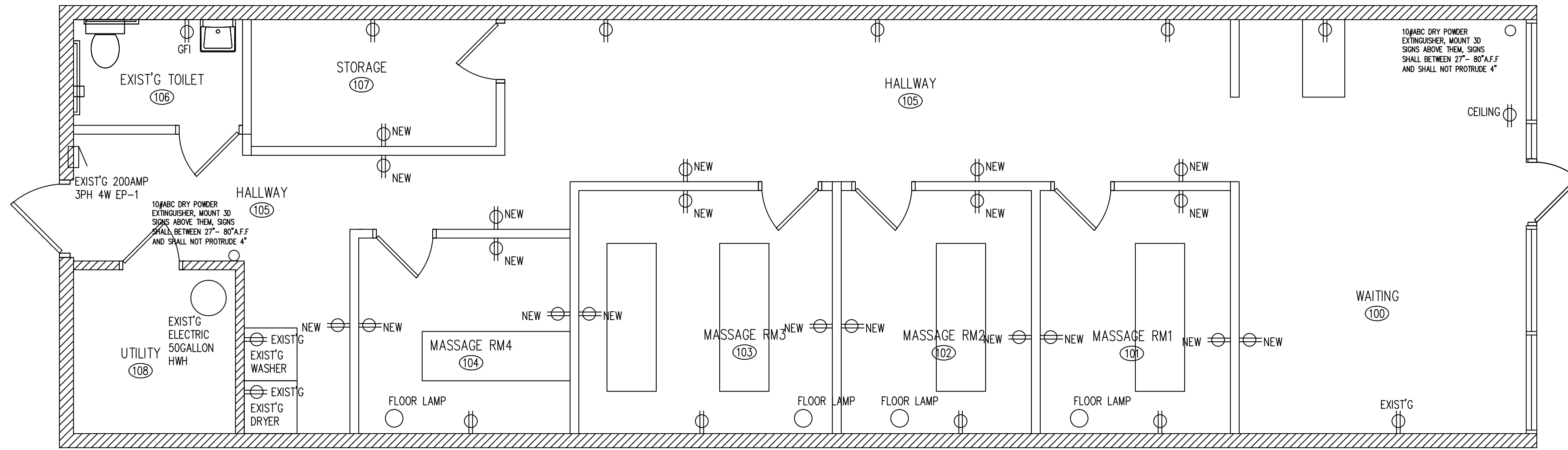
**MECHANICAL PLAN & NOTES**

SHEET NUMBER

**M1**



**A LIGHTING & EMERGENCY PLAN**  
SCALE 1/4"=1'-0"



**B POWER PLAN**  
SCALE 1/4"=1'-0"

EXIST'G 200A 120/240V, 3PH EP-1											
SERVES	C	B	A	AMPS	CK	CK	AMPS	A	B	C	SERVES
MESSAGE 1 OUTLET	1080	---	---	20	1	2	30	3200			
MESSAAGE 2 OUTLET		1080	---	20	3	4			3200		EXIST'G RTU-1
MESSAAGE 3 OUTLET		---	1080	20	5	6	3			3200	
MESSAAGE 4 OUTLET	1080	---	---	20	7	8	20	600			LIGHTING
					9	10	20		600		LIGHTING
WAITING OUTLET		---	1080	20	11	12	20			500	SIGN
HALLWAY OUTLET	1080	---	---	20	13	14	20	360			EM & EXIT
EXIST'G TOILET		1080	---	20	15	16	40		2500		EXIST'G ELECTRIC HWH
UTILITY OUTLET		---	1080	20	17	18	2			2500	
WASHER	1800			20	19	20					
DRYER		2500		40	21	22					
			2500	2	23	24					
					25	26					
					27	28					
					29	30					
SUBTOTAL	5040	4660	5740					4160	6300	6200	
TOTAL PANEL LOAD	32100	VA	89.2	AMPS 3 PHASE							

**ELECTRICAL NOTES**

AT LEAST FIFTY (50) FOOT CANDLES OF LIGHT SHALL BE PROVIDED ON ALL WORKING SURFACES. TWENTY (20) FOOT CANDLES OF LIGHT, AT A DISTANCE OF THIRTY (30) INCHES FROM THE FLOOR, SHALL BE PROVIDED IN ALL OTHER AREAS.

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 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

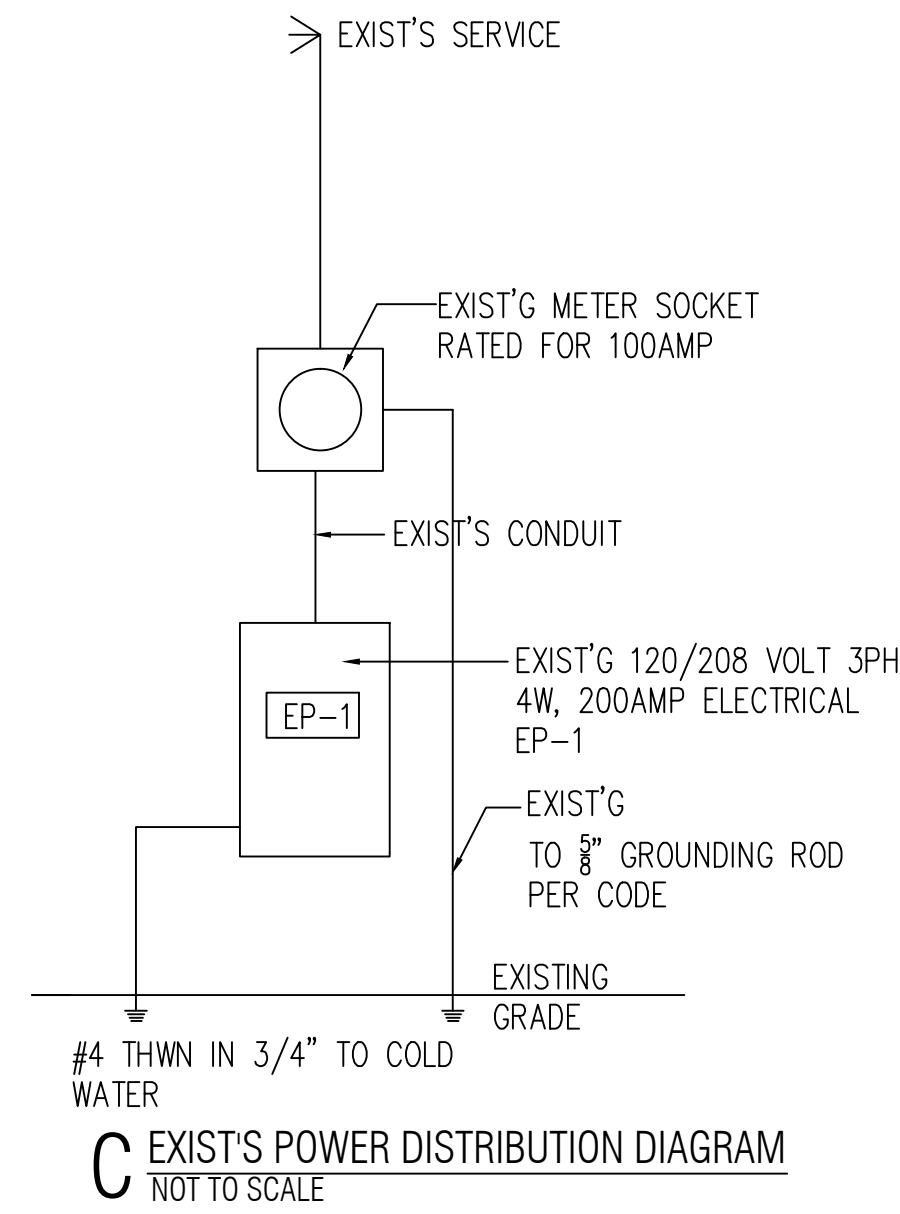
STORAGE BATTERIES FOR POWERING EMERGENCY SYSTEM SHALL BE OF SUITABLE RATING AND CAPACITY TO SUPPLY AND MAINTAIN THE TOTAL EMERGENCY LOAD FOR A PERIOD OF 1.5 HOURS MINIMUM WITHOUT THE VOLTAGE APPLIED TO THE LOAD FALLING BELOW 87.5% OF NORMAL

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.

EMERGENCY LIGHT FIXTURE SCHEDULE				
TYPE	MANUFACTURER	MODEL	LAMP	DESCRIPTION
☐	SURE-LITES	XR-9-C	(2)HALOGEN 12W	APPROVED 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**
- ☐ NEW FIXTURE
  - ☐ CHANGE EXIST TO NEW
  - ☐ SINGLE FACE EXIT SIGN
  - ☐ SINGLE FACE EXIT SIGN W/DIRECTIONAL ARROW
  - ☐ EXISTING FIXTURE
  - ☐ VIEW SIDE OF FIXTURE W/DIRECTIONAL ARROW
  - ☐ SINGLE FACE EXIT SIGN W/DIRECTIONAL ARROW
  - ☐ SINGLE FACE EXIT SIGN W/DIRECTIONAL ARROW



**C EXIST'S POWER DISTRIBUTION DIAGRAM**  
NOT TO SCALE

WEI TAN  
LICENSED ARCHITECT  
2425 S WENTWORTH AVE.  
CHICAGO, IL 60616

PHONE: (312) 912-5798  
EMAIL: twarchitect98@yahoo.com

LICENSE NO: 001-022013  
EXPIRES: 11/30/2024

**MESSAGE**  
**INTERIOR REMODELING**  
 1224 W OGDEN AVE SUITE C NAPERVILLE IL 60563

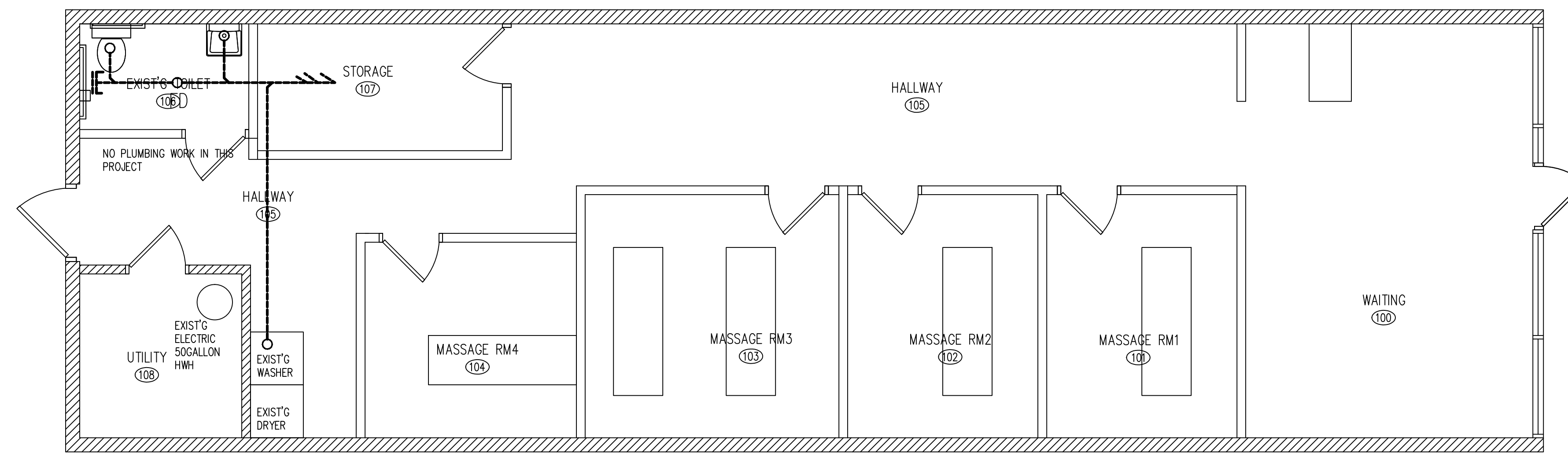
ISSUES	DATE
ISSUED FOR PERMIT	08/28/2022



**ELECTRICAL**  
**PLANS & NOTES**

SHEET NUMBER

**E1**



**A PLUMBING PLAN**  
SCALE 1/4"=1'-0"

PLUMBING FIXTURE SCHEDULES	
FIXTURE	QTY.
WATER CLOSET	1 EXIST'G
LAVATORY	1 EXIST'G
WASHER	1 EXIST'G
HOT WATER HEATER	EXIST'G
TOTAL	4

PLUMBING FIXTURES AND FITTINGS SCHEDULE		
FIXTURE	MODEL	MODEL NO/ REMARKS
WATER CLOSET	EXIST'G	ADA COMPLAINT, FLOOR MOUNTED
LAVATORY	EXIST'G	ADA COMPLAINT, WALL MOUNTED
FAUCET	EXIST'G	ADA COMPLAINT, ASME/ANSI 116/117 COMPLIANT, SET TO 110F MAX
TEMPERING VALVE	EXIST'G	EXIST'G
TOILET PAPER DISPENSER	EXIST'G	EXIST'G
GRAB BARS	EXIST'G	EXIST'G
SOAP DISPENSER	EXIST'G	EXIST'G
MIRROR	EXIST'G	EXIST'G
TRASH RECEPTACLE	EXIST'G	EXIST'G
HAND PAPER DISPENSER	EXIST'G	EXIST'G
		38" AFF. FOR ACCESSIBILITY

**PLUMBING NOTES**

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.

ALL PLUMBING INSTALLATIONS SHALL MEET 2014 STATE OF ILLINOIS PLUMBING CODE REQUIREMENTS.

ALL ABOVE GROUND SUPPLY WATER PIPING SHALL BE COPPER TYPE L.

ABOVE GROUND WASTE / VENT PIPING SHALL CONFORM TO 2014 IL STATE PLUMBING CODE.

UNDERGROUND WASTE SHALL CONFORM TO 2014 IL STATE PLUMBING CODE.

SEWER AND WASTE PIPING SHALL BE PRESSURE TESTED PER LOCAL PLUMBING CODE.

ALL WATER INLETS MUST HAVE AN AIR GAP BETWEEN THE WATER INLET AND THE FIXTURE IT IS SERVING. THE AIR GAP MUST BE TWICE THE DIAMETER OF THE WATER INLET.

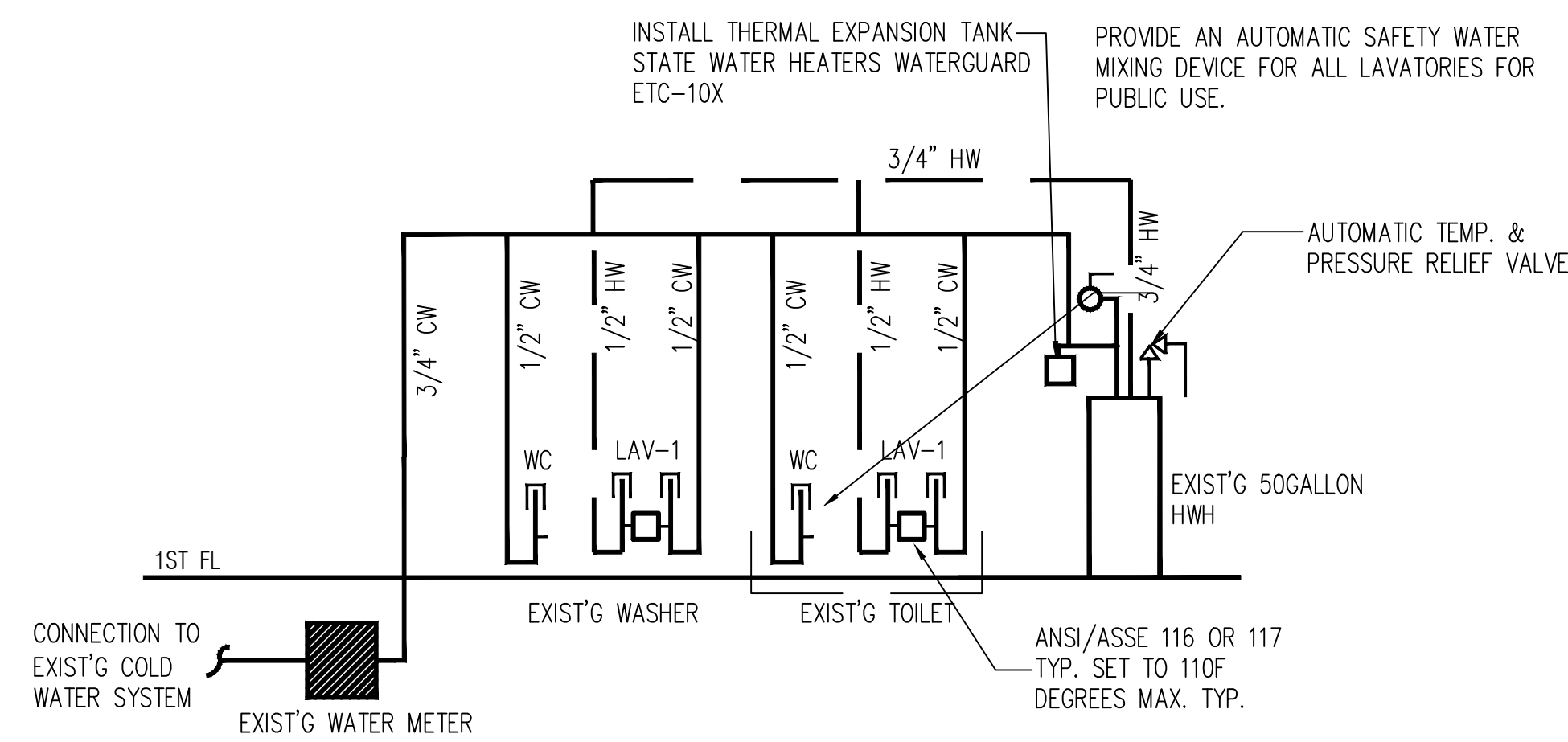
PROVIDE VACUUM BREAKERS ON SUBMERGED INLETS SUCH AS WATER CLOSETS, MOP SINK FAUCET AND ANY THREADED WATER OUTLET. PROVIDE DOUBLE CHECK VALVES WITH ATMOSPHERIC VENTS OR REDUCED PRESSURE ZONED BACKFLOW PREVENTERS CAPABLE OF BEING SUBMERGED ON WATER INLETS WHERE YOU CANNOT INSTALL A VACUUM BREAKER AFTER THE LAST SHUT OFF VALVE OR SOLENOID SWITCH SUCH AS THE PRE-WASH SPRAYER. INSTALL WATTS 9D SERIES DUAL CHECK VALVE WITH INTERMEDIATE ATMOSPHERIC VENT BACKFLOW PREVENTOR.

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

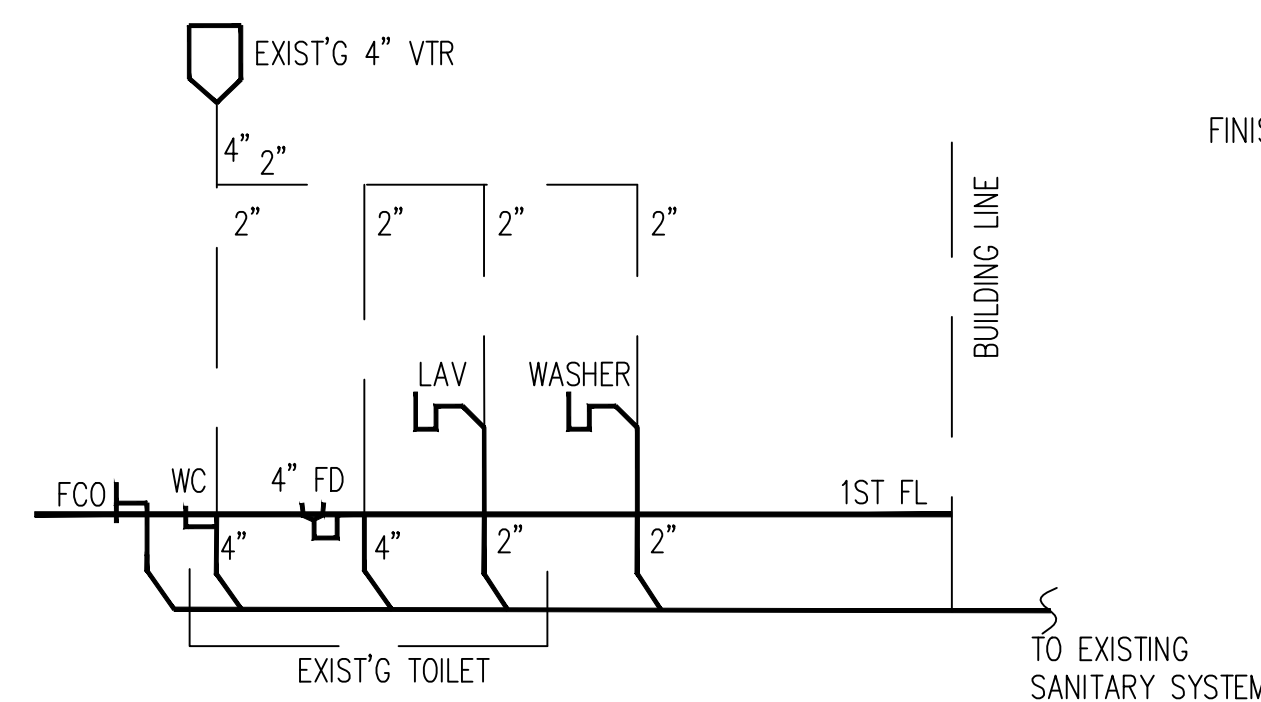
TOILETS, OPENINGS IN THE WALLS/CEILINGS AND PERMANENT COUNTERS/CABINETS MUST BE SEALED TO FLOORS/WALLS WITH A SILICONE SEAL. CAP SODA CHASES WITH A PVC END CAP, CUT TO FIT AROUND SODA SYRUP LINES. DO NOT USE FOAM.

FOR CLEAN-OUT REQUIREMENTS WITHIN THE BUILDING: ON MAIN SEWER THERE WILL NEED TO BE CLEAN-OUTS EVERY 50 FT ON 4 IN PIPE AND 100 FT ON 6 IN PIPE. BOTH NEED CLEAN-OUTS AT CHANGE OF DIRECTION.

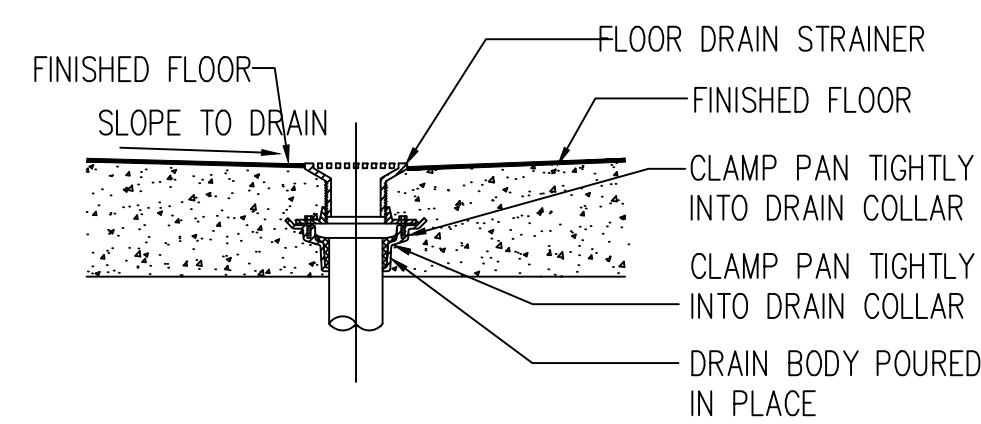
NO DOUBLE Y CAN BE USED FOR UNDERGROUND PLUMBING WHEN 2"-4" WASTE LINES COME FROM OPPOSITE DIRECTIONS, STAGGER 2'-YS.



**B WATER SUPPLY RISER DIAGRAM**  
NOT TO SCALE



**C WASTE RISER DIAGRAM**  
NOT TO SCALE



**D TYP. FLOOR DRAIN DETAIL**  
NOT TO SCALE

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PLUMBING PLAN  
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