	<u>ABBREVIATIONS</u>		<u>ABBREVIATIONS</u>
Α	GENERAL SERVICE COMPRESSED AIR	HWRP	HOT WATER RETURN PUMP
A/AMP	AMPERE	HWS	HOT WATER SUPPLY
AC	AIR COMPRESSOR	HX	HEAT EXCHANGE
ACU	AIR CONDITIONING UNIT(S)	ID	INSIDE DIAMETER
AD	ACCESS DOORS	IEF	IN-LINE EXHAUST FAN
AD	AREA DRAIN	IN	INCHES
AFF	ABOVE FINISHED FLOOR	IN WG	INCHES OF WATER, GAUGE (PRESSURE)
AFG	ABOVE FINISHED GRADE	IW	INDIRECT WASTE
AHU	AIR HANDLING UNIT	JP	JOCKEY PUMP
AMB	AMBIENT	KEF	KITCHEN EXHAUST FAN
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	KVA	KILOVOLT AMPERE
APPROX	APPROXIMATE	KW	KILOWATT
AS	AIR SEPARATOR	KWH	KITCHEN WATER HEATER
AV	ACID VENT (CHEMICAL)	L	LENGTH
AVTR	ACID VENT THRU ROOF	LA	LABORATORY COMPRESSED AIR
AW	ACID WASTE	LAV	LAVATORY
BFW	BOILER FEED WATER	LBS/HR	POUNDS PER HOUR
BHP	BRAKE HORSEPOWER	LF	LINEAR FEET
BSMT	BASEMENT	LG	LABORATORY GAS
BTU	BRITISH THERMAL UNITS	LPC	LOW PRESSURE CONDENSATE
BTUH	BRITISH THERMAL UNITS/HOUR	LPS	LOW PRESSURE STEAM
C	CONNDESATE	LV	LABORATORY VACUUM
C/B	CIRCUIT BREAKER	MA	MEDICAL COMPRESSED AIR
CER/CEG	CEILING EXHAUST REG./GRILLE	MAGP	MASTER ALARM GAS PANEL
CFM	CUBIC FEET PER MINUTE	MAX	MAXIMUM
CFP	CHEMICAL FEED PUMPS	MBH	BTU PER HOUR (THOUSAND)
CHWR	CHILLED WATER RETURN	MECH	MECHANICAL
CHWS	CHILLED WATER SUPPLY	MFR	MANUFACTURER
CI	CAST IRON	MIN	MINIMUM
CLG	CEILING	MPS	MEDIUM PRESSURE STEAM
CLG	CLEAN LOW PRESSURE STEAM	MUAU	
	CLEAN MEDIUM PRESSURE STEAM	MV	MAKE UP AIR UNIT
CMPS CMV	CEILING MOUNTED VENTILATOR	N2	MEDICAL VACUUM NITROGEN
CO	CLEANOUT	N2O	
CO2	CARBON DIOXIDE	N.C.	NITROUS OXIDE NORMALLY CLOSED
COMP		N.O.	NORMALLY OPEN
	COMPRESSOR		
CP	CONDENSATE PUMP COMPUTER ROOM UNIT	N/A	NOT APPLICABLE NOT IN CONTRACT
CRU CT	COOLING TOWER	NIC NTS	NOT TO SCALE
CU FT		0	OXYGEN
	CUBIC FEET CABINET UNIT HEATER		
CUH		OA OD	OUTSIDE BIAMETER
CV	COLD WATER	OD	OUTSIDE DIAMETER
CW	COLD WATER	ORD	OVERFLOW ROOF DRAIN
D	DEPTH	ORL	OVERFLOW RAIN LEADER
dB	DECIBEL	P PULL C	POLE
DC DCV	DIRECT CURRENT	PH/Ø	PHASE
DCV	DOUBLE CHECK VALVE	PRESS	PRESSURE
DE °	DEIONIZED PROCESS WATER	PRV	PRESSURE REDUCING VALVE
DEG or °	DEGREE	PSI	POUNDS PER SQUARE INCH
DI	DISTILLED WATER	PVC	POLYVINYL CHLORIDE
DIA	DIAMETER	QTY	QUANTITY
DN	DOWN	RD	ROOF DRAIN
DWBP	DOMESTIC WATER BOOSTER PUMP	REF	ROOF EXHAUST FAN
DWG	DRAWING	RM	ROOM
EF	EXHAUST FAN	RO	REVERSE OSMOSIS WATER
EFF	EFFICIENCY	RPD/RPZ	REDUCED PRESSURE DEVICE
EHC	ELECTRICAL HEATING CABLES	RPM	REVOLUTIONS PER MINUTE
ELEC	ELECTRICAL	RTU	ROOF TOP UNIT
ELEV	ELEVATOR	RV	RADON VENT
FTP	FLECTRIC TRAP PRIMER	RI	RAIN I FADER

RAIN LEADER

SUMP PUMP

SQUARE

STORM

SOIL/STACK

STANDARD

TEMPERATURE

TRAP PRIMER

TYPICAL

URINAL

VACUUM

VELOCITY

VOLUME

WASTE

VERIFY IN FIELD

VENT THRU ROOF

WATER CLOSET

WEATHERPROOF

WALL HYDRANT (HOSE BIBB)

WATER HAMMER ARRESTER

WASTE AND VENT COMBINATION

WALL TRANSFER GRILLE

WIREGUARD

VENT

UNIT HEATER

TEMPERED WATER

SPECIFICATION

SHOP AIR COMPRESSOR

STEAM CONDENSATE PUMP

SEWAGE EJECTOR PUMP

STEAM WATER HEATER

IDENTIFICATION OF EQUIPMENT

THERMOSTATIC MIXING VALVE

TEMPERED WATER RETURN

VARIABLE FREQUENCY CONTROLLER

STATIC PRESSURE

SOIL

SCP

SEP

SPEC

STD

SWH TAG

TEMP

TMV

TYP

VAC

VEL

VFC

VOL

VTR

WTG

ELECTRIC TRAP PRIMER

ELECTRIC UNIT HEATER

ELECTRIC WATER COOLER

ELECTRIC WATER HEATER

FIRE DEPARTMENT CONNECTION

EVAPORATOR

EXPANSION

FAHRENHEIT

FIRE ALARM

FAN COIL UNIT

FLOOR DRAIN

FLOW METER

FIRE PUMP

FLOOR SINK

GAUGE

GALLONS

GROUND

HEIGHT

HOUR(S)

HEATER

HUMIDIFIER

HOT WATER

HEAT

HEAD

FOOR OR FEET

FIRE HOSE CABINET

FEET PER MINUTE

FEET PER SECOND

FIRE VALVE CABINET

GALLONS PER HOUR

GREASE WASTE

HORSEPOWER

GALLONS PER MINUTE

HIGH PRESSURE GAS

HOT WATER RETURN

HIGH PRESSURE STEAM

HEATING, VENTILATION AND AIR CONDITIONING

GREASE RECOVERY UNIT

EXP

FCU

FD

FDC

FHC

FM

FPM

FPS

FT

FVC

GAL

GND

GPH

GPM

GRU

HPG

HPS

HTR

HUM

HVAC

HW

HWR

GW

	PLUMBING SYMBOLS		
	COLD WATER		
	HOT WATER		
	HOT WATER RECIRCULATING		
	VENT		
s	SOIL OR WASTE PIPE		
RV	RADON VENT		
WV	COMBINATION WASTE & VENT		
GW	GREASE WASTE		
IVV	INDIRECT WASTE		
ORL	OVERFLOW RAIN LEADER		
RL	RAIN LEADER		
st	STORM DRAIN		
——CD——	CONDENSATE DRAIN		
——G——	GAS PIPE		
NPW	NON-POTABLE WATER		
 	HEAT TRACED PIPE		
M	WATER METER ASSEMBLY		
G	GAS METER ASSEMBLY		
◎	FLOOR DRAIN		
	ROOF DRAIN		
TP	TRAP PRIMER		

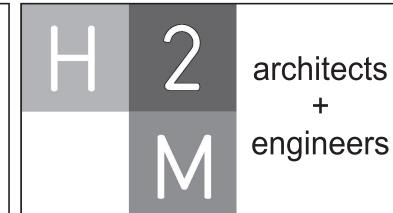
ELECTRONIC TRAP PRIMER

<u> </u>	ITTINGS AND VALVES
	BALL VALVE
	DIRECTION OF FLUID FLOW
	GATE VALVE
	BUTTERFLY VALVE
	CALIBRATED BALANCING VALVE
 -	GAS COCK
	CHECK VALVE
	PRESSURE REDUCING VALVE
	THERMOSTATIC MIXING VALVE
	SOLENOID VALVE
	DRAIN VALVE WITH HOSE END, CAP & CHAIN OR HOSE BIBB
	WALL HYDRANT
	PIPE DROP WITH VALVE
	TAKEOFF FROM TOP OF MAIN PIPE
	TAKEOFF FROM BOTTOM OF MAIN PIPE
	UNION
	PIPE ELBOW UP OR PIPE TEE UP
	PIPE ELBOW DOWN
	PIPE TEE DOWN
	WALL CLEANOUT OR BLIND FLANGE
	FLOOR CLEANOUT
	"P" TRAP
	STRAINER OR STRAINER WITH BLOW- DOWN VALVE HOSE END, CAP AND CHAIN
	BACKFLOW PREVENTER (2" AND SMALLER)
-14-1-14-	BACKFLOW PREVENTER (2 1/2" AND LARGER)
	PUMP
<u> </u>	WATER HAMMER ARRESTOR
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	PIPE CAP OR CAPPED END OF PIPE
<u> </u>	STEEL PENETRATION / PIPE SLEEVE
	PIPE GUIDES
<u></u>	AIR VENT
── ₩	PRESSURE RELIEF SAFETY VALVE
A	AQUASTAT
	TEMPERATURE SENSOR WITH SEPARABLE SOCKET IN IMMERSIBLE WELL
	TEMPERATURE GAUGE WITH SEPARABLE SOCKET IN IMMERSIBLE WELL
(P)	THERMOMETER WITH SEPARABLE SOCKET IN IMMERSIBLE WELL
	PRESSURE GAUGE

FLEXIBLE CONNECTOR

PLUMBING GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH CURRENT APPLICABLE CODES, ORDINANCES, THE REGULATORY AGENCIES HAVING JURISDICTION AND THE SPECIFICATIONS. THE SPECIFICATIONS MAY EXCEED THE REQUIREMENTS OF THE CODE, IN WHICH CASE, THE SPECIFICATION MUST BE FOLLOWED.
- THE INTENT OF THESE DOCUMENTS IS FOR THE MEP TRADES TO FURNISH AND INSTALL COMPLETE MECHANICAL AND ELECTRICAL SYSTEMS. THE SPECIFIED PLUMBING SYSTEM SHALL BE COMPLETE IN ALL RESPECTS; OPERATIONAL, TESTED, ADJUSTED, APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR BENEFICIAL USE BY THE
- THE TRADES SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS BEFORE SUBMITTING A BID. INFORMATION IS PROVIDED ON THE VARIOUS DRAWINGS, SCHEDULES, SPECIFICATIONS AND ALL OF THE VARIOUS DOCUMENTS IN THE BIDDING PACKAGE. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND FORM A TOTAL PROJECT DESIGN AND INFORMATION SOURCE FOR CONSTRUCTION PURPOSES.
- THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. COORDINATE LOCATIONS OF EQUIPMENT WITH OTHER TRADES BEFORE AND DURING CONSTRUCTION. ANY MODIFICATION TO THE EQUIPMENT LAYOUT, REQUIRED FOR INSTALLATION, IS TO BE PERFORMED UNDER THE CONTRACT AGREEMENT, AT NO ADDITIONAL COST. REFER TOP DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT DOCUMENTS OF ALL TRADES. THE DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT AND PIPING. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF EQUIPMENT AND PIPING INSTALLATION WITH ALL THE TRADES BEFORE COMMENCING WORK.
- EQUIPMENT SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS, WHEN EQUIPMENT MUST BE LOCATED ABOVE AN INACCESSIBLE CEILING (GYP BOARD OR EQUIVALENT), OR BEHIND A WALL, AN APPROPRIATE ACCESS DOOR SHALL BE PROVIDED. IF AN ACCESS DOOR IS REQUIRED, IT SHALL BE OF A RATING APPROPRIATE FOR THE WALL/CEILING IN WHICH IT IS TO BE INSTALLED. THE CONTRACTOR SHALL COORDINATE LOCATIONS OF ACCESS PANELS FOR ALL VALVES AND DEVICES, REQUIRING ACCESS, WITH THE ARCHITECT, PRIOR TO INSTALLATION OF SUCH DEVICES OR OTHER APPURTENANCES.
- WHERE A CONFLICT OCCURS BETWEEN THE DOCUMENTS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. CARRY AS PART OF THE BID THE LARGER QUANTITY AND/OR MORE EXPENSIVE ITEM(S).
- THIS CONTRACT SHALL INCLUDE ALL THE NECESSARY PIPING, FITTINGS, TRANSITIONS, OFFSETS, ETC. AS REQUIRED TO INSTALL PIPING, EQUIPMENT, MAINTAINING PROPER CLEARANCES AND TO AVOID ANY CONFLICTS WITH OTHER TRADES, AND THE BUILDING STRUCTURE. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS, OMISSIONS OR ERRORS HE MAKES AS A RESULT OF HIS FAILURE TO COORDINATE WITH OTHER TRADES OR BECOME FULLY FAMILIAR WITH THE PROJECT DOCUMENTS OF ALL TRADES.
- DO NOT INSTALL ANY PIPING OVER ELECTRICAL PANELS, TRANSFORMERS, SPECIAL EQUIPMENT, OR THROUGH ELECTRICAL ROOMS, DATA ROOMS, ELEVATOR MACHINE ROOM, STAIRWELL OR STAIRWELL WALLS THAT ARE NOT ASSOCIATED WITH OR SERVE THE RESPECTIVE ROOMS. COORDINATE THE LOCATION OF ELECTRICAL EQUIPMENT IN THE FIELD AND ADJUST AS NECESSARY.
- 10. IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW INDIVIDUAL BRANCH PIPING TO EACH PLUMBING FIXTURE; ONLY THE BRANCH PIPING TO GROUPS OF FIXTURES IS INDICATED. EACH AND EVERY FIXTURE SHALL BE PROPERLY PIPED TO WATER, WASTE, AND VENT PIPING SYSTEMS. REFER TO THE PLUMBING SCHEDULES FOR INDIVIDUAL PIPE SIZES TO EACH FIXTURE.
- 11. PROVIDE PROPER PIPING SYSTEM IDENTIFICATION LABELS, SLOPES FOR DRAIN PIPING, CLEANOUTS, HANGERS, ETC. IN ACCORDANCE WITH THE PLUMBING CODE.
- 12. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES OR EQUIPMENT. ALL SUCH EQUIPMENT AND EQUIPMENT COLORS AND FINISHES SHALL BE COORDINATED WITH THE ARCHITECT. MOUNTING HEIGHTS SHALL BE APPROVED BY THE ARCHITECT.
- 13. INSTALL WATER HAMMER ARRESTORS (WHA) AT ALL QUICK CLOSING VALVES (FLUSH VALVES, SOLENOID VALVES, ETC.); SIZE SHALL BE BASED ON FIXTURE UNITS PER PDI STANDARDS AND INSTALLED PER MANUFACTURER'S
- 14. ALL PIPING, DRAINS, STRAINERS, FAUCETS, FAUCET AERATORS, FILTERS, ETC. SHALL BE THOROUGHLY CLEANED AND FLUSHED IMMEDIATELY BEFORE PROJECT COMPLETION. PROVIDE CERTIFICATION ON CONTRACTOR'S LETTER HEAD THAT THIS WORK HAS BEEN COMPLETED.
- 15. DOMESTIC WATER DROPS AND RISERS INSTALLED ON EXTERIOR FRAMED WALLS SHALL BE INSTALLED ON THE WARM SIDE OF INSULATION AND THE LOCATION SHALL BE MADE INFILTRATION FREE. DOMESTIC WATER PIPING SHALL BE SURFACE MOUNTED ON INTERIOR AND EXTERIOR BLOCK WALLS.
- 16. BEFORE INSTALLATION, COORDINATE THE WORK WITH OWNER-FURNISHED EQUIPMENT, INCLUDING REQUIRED
- SERVICE CONNECTIONS, FACTORY START UPS AND INSTALLATION OF FIELD DEVICES.
- 17. INSULATE NEW STORM DRAIN PIPING AND ROOF DRAIN BODIES.
- 18. INSULATE ALL NEW AND EXISTING DOMESTIC WATER PIPING. PROVIDE PVC JACKETS TO 10'-0" AFF ON EXPOSED WATER PIPING IN APPARATUS BAY.
- 19. ALL INDIRECT WASTE DRAINS SHALL BE PIPED TO FLOOR DRAINS, FUNNELS OR FIXED AIR GAP FITTINGS, THROUGH AIR GAP OR TO A SINK DRAIN TAILPIECE.
- 20. INSTALL TRAP GUARD SEALER FOR FLOOR DRAINS, HUB DRAINS AND FIXED AIR GAP FITTINGS, WHERE TRAP IS SUBJECT TO LOSS OF SEAL BY EVAPORATION.
- 21. COORDINATE ALL PLUMBING EQUIPMENT REQUIRING POWER, FOR EXACT LOCATION AND POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
- 22. ALL EXTERIOR EXPOSED GAS PIPING SHALL BE PRIMED AND PAINTED.
- 23. FLOOR MOUNTED PLUMBING EQUIPMENT SHALL BE INSTALLED ON A 4" CONCRETE HOUSE-KEEPING PAD. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS. COORDINATE SIZE AND FINAL LOCATION OF ALL CONCRETE PADS WITH THE STRUCTURAL ENGINEER. PADS SHALL BE MINIMUM 6" LARGER THAN THE EQUIPMENT IN BOTH HORIZONTAL
- 24. COORDINATE EXACT LOCATION OF PLUMBING SERVICES ENTERING THE BUILDING WITH THE SITE CONTRACTOR AND UTILITY DRAWINGS PRIOR TO INSTALLATION. COORDINATE ALL FOUNDATION WALL PENETRATIONS AND INVERT ELEVATIONS WITH THE GENERAL CONTRACTOR AND/OR CONSTRUCTION MANAGER BEFORE COMMENCING WORK.
- 25. SEISMICALLY SUPPORT THE EQUIPMENT AS REQUIRED BY CODE, THE AUTHORITY HAVING JURISDICTION, AND/OR AS SPECIFIED. SUBMIT ENGINEERED INSTALLATION DETAILS PER THE SPECIFICATIONS. THE CONTRACTOR'S SEISMIC ENGINEER SHALL REVIEW THE INSTALLATION AND PROVIDE A DETAILED REPORT FOR THE RECORD.
- 26. PROVIDE PIPE EXPANSION COMPENSATION FOR THE VARIOUS PIPING SYSTEMS. SUBMIT ENGINEERED DETAILS FOR APPROVAL AND VERIFY INSTALLATION IS IN ACCORDANCE WITH THE CODE. THE CONTRACTOR'S CONSULTING ENGINEER SHALL REVIEW THE INSTALLATION AND PROVIDE A REPORT OF THE FINDINGS.



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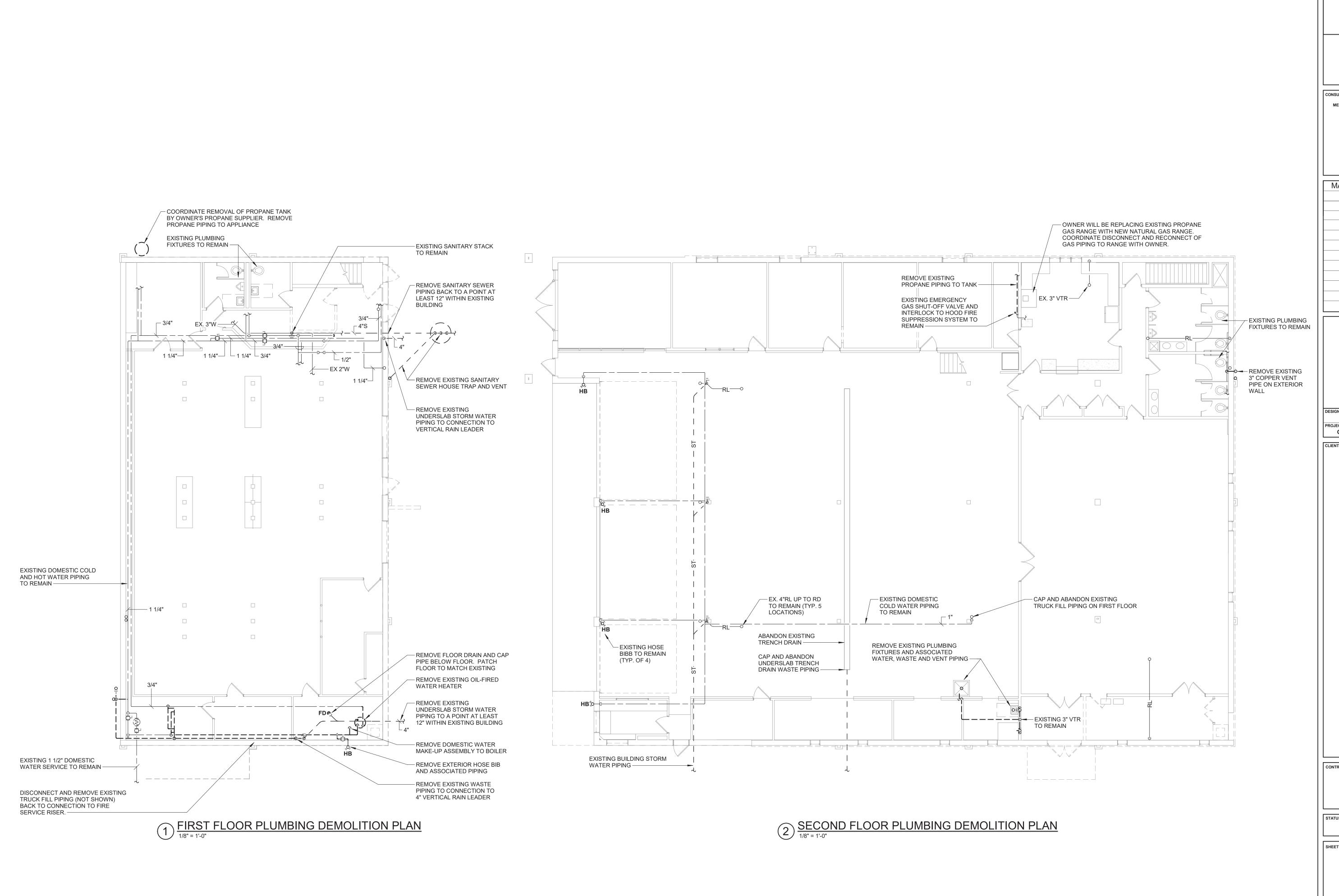
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CONTRACT G GENERAL CONSTRUCTION

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PLUMBING GENERAL **INFORMATION**



architects engineers

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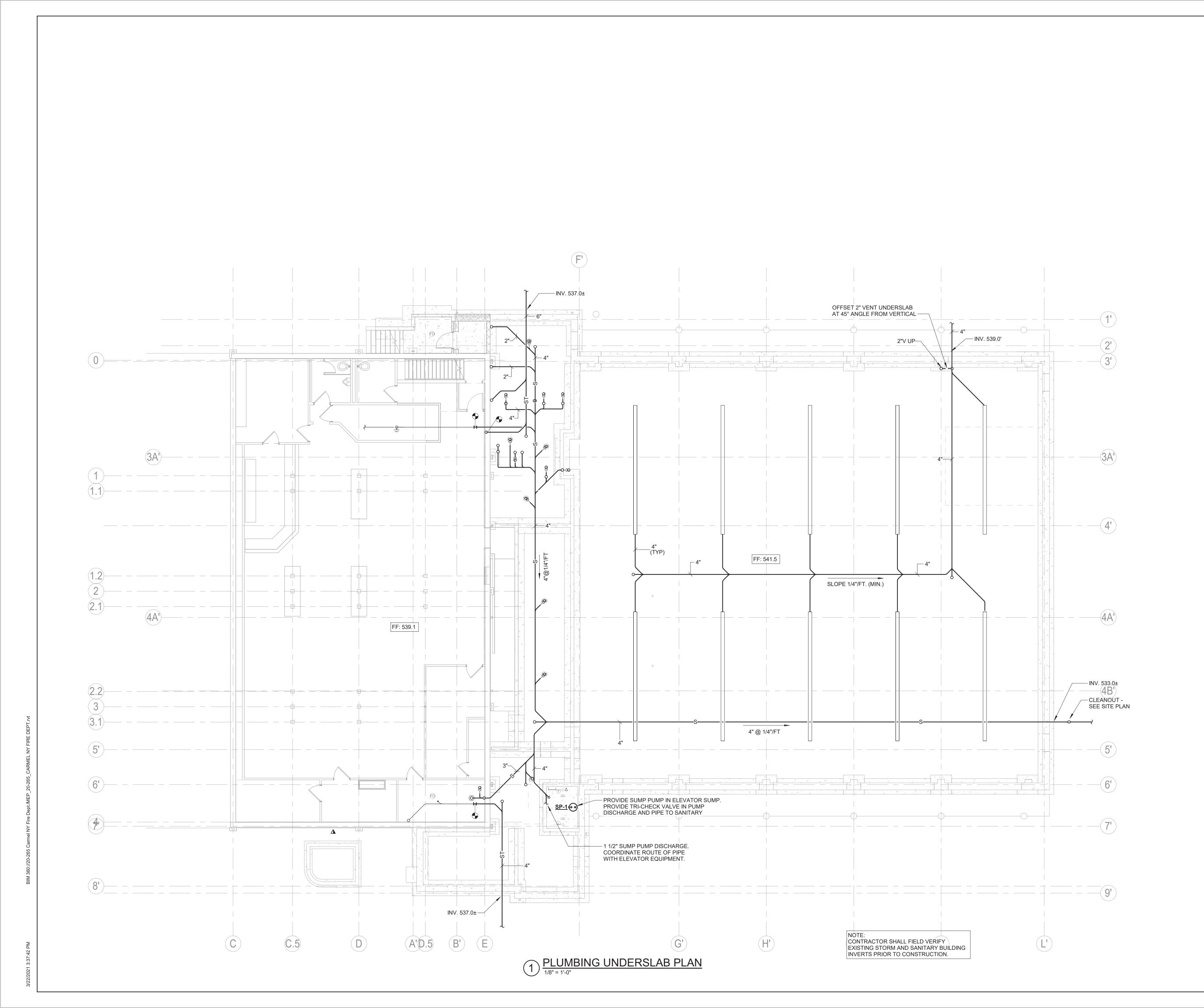
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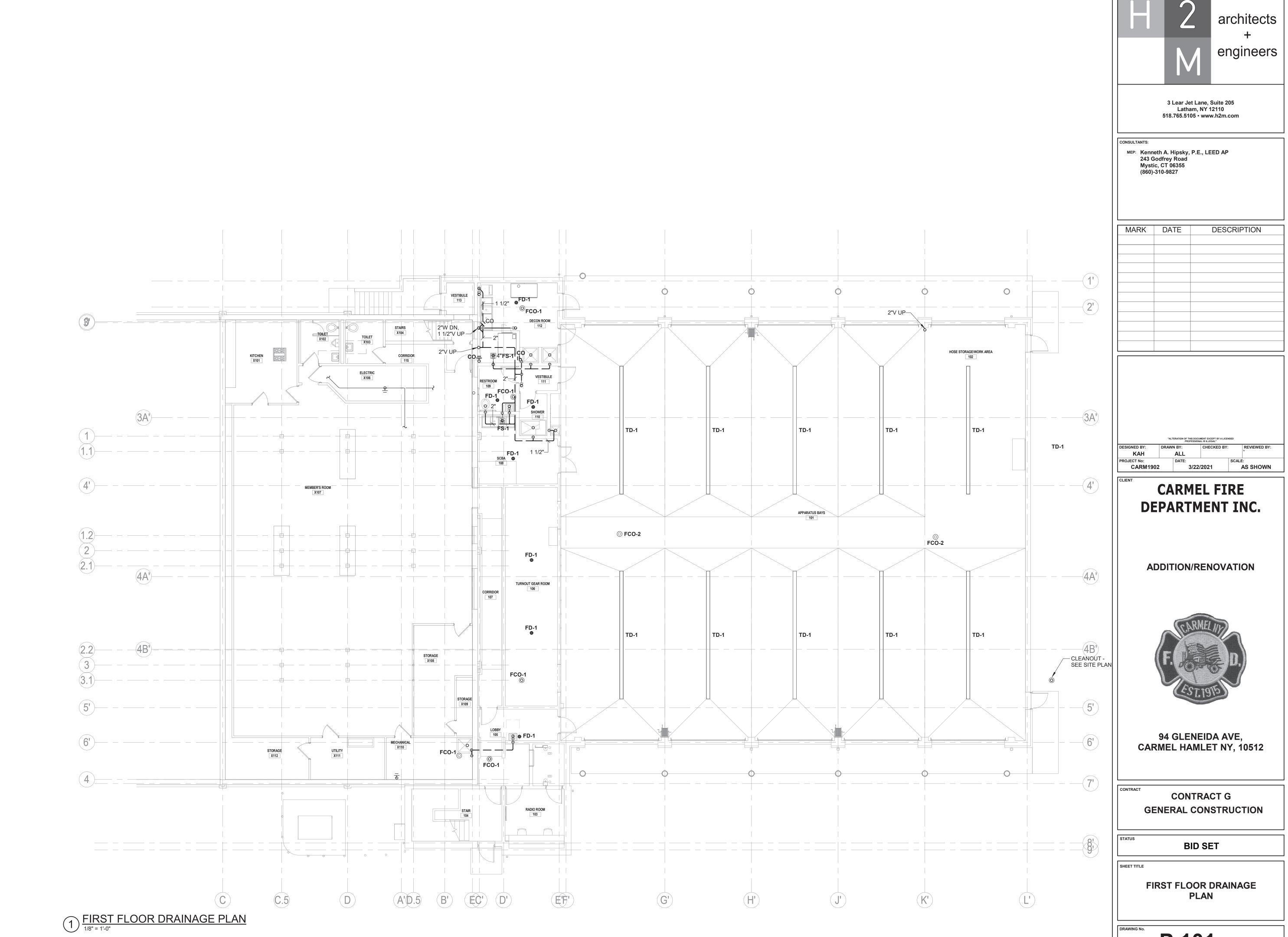
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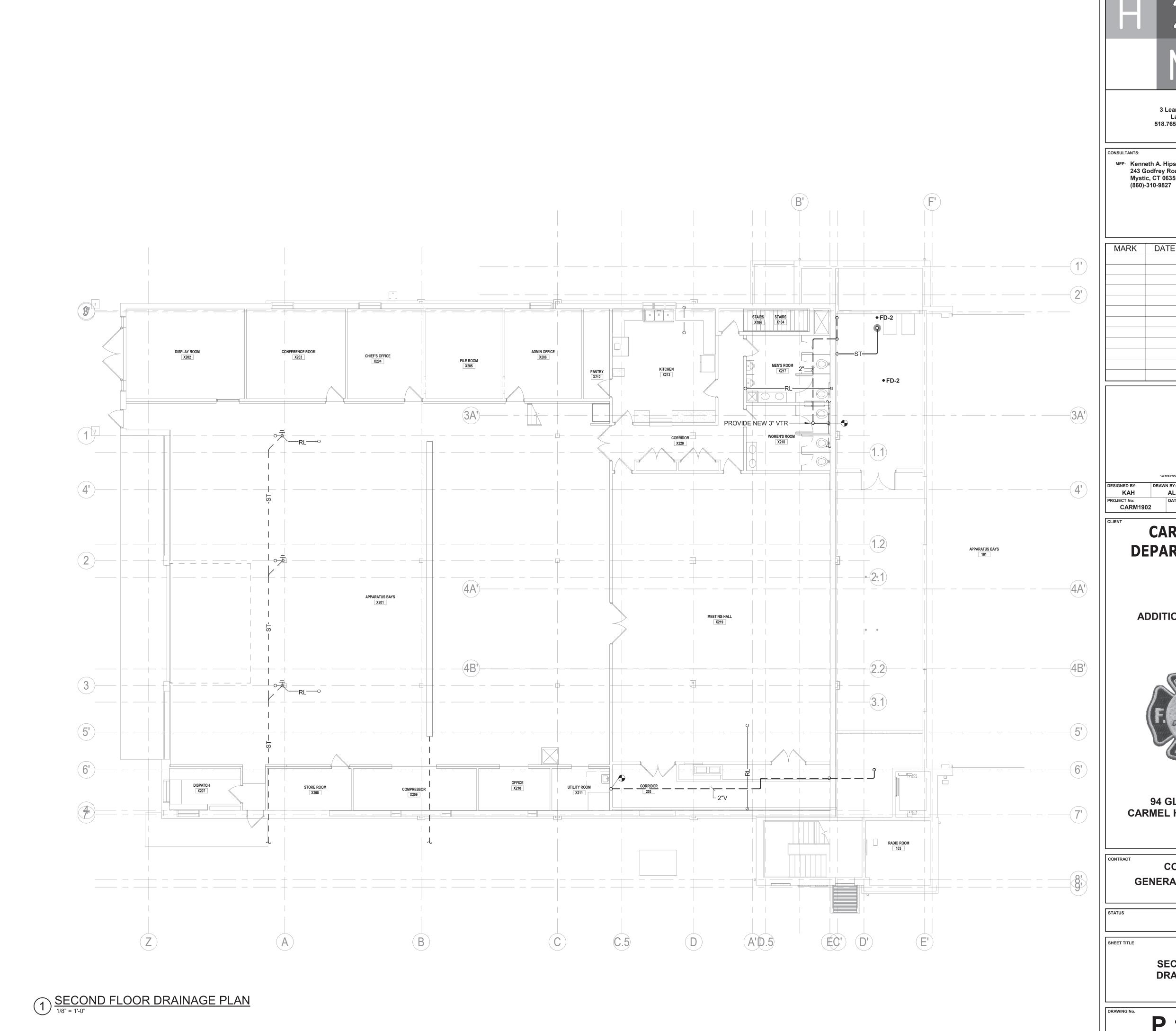
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PLUMBING UNDERSLAB PLAN

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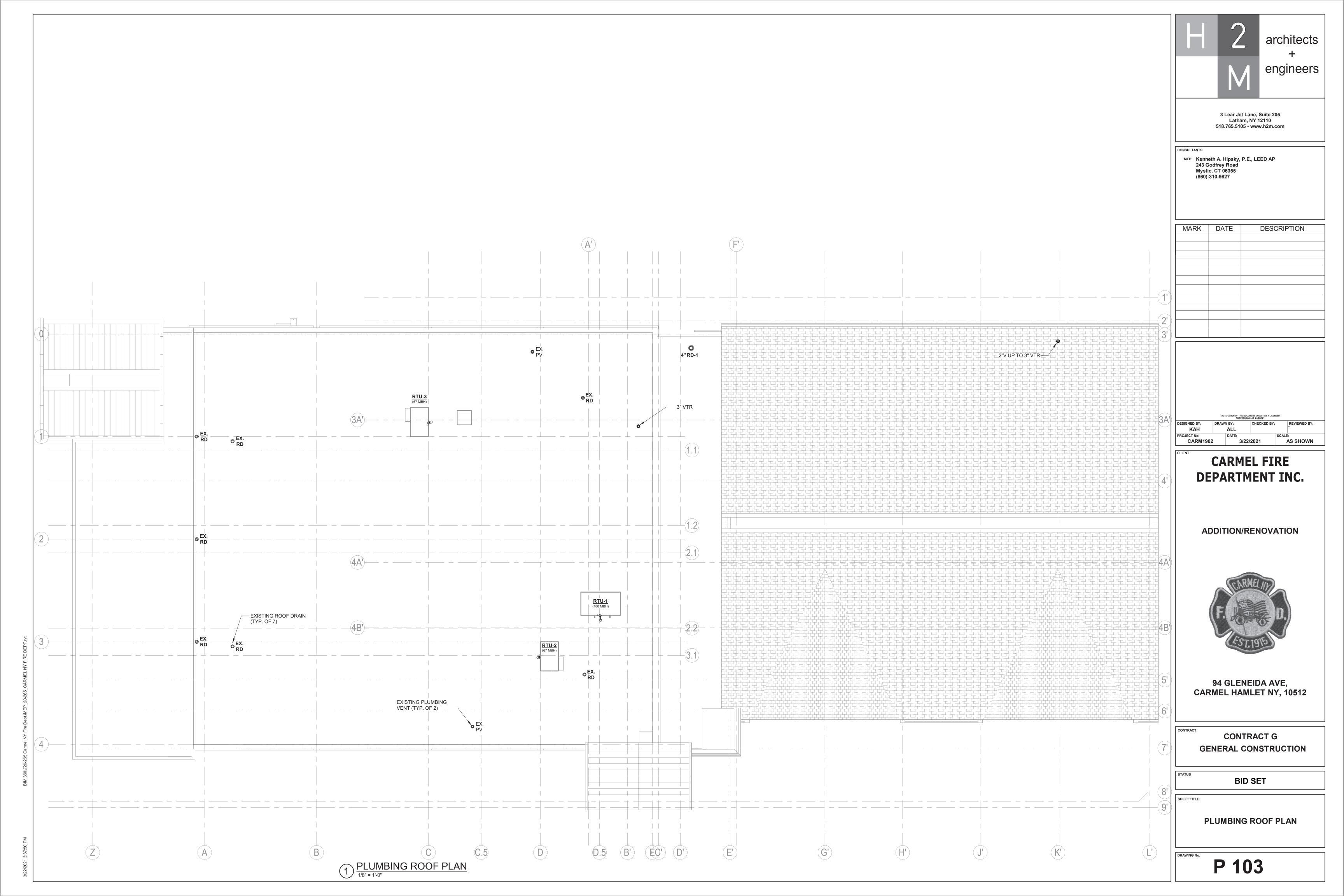


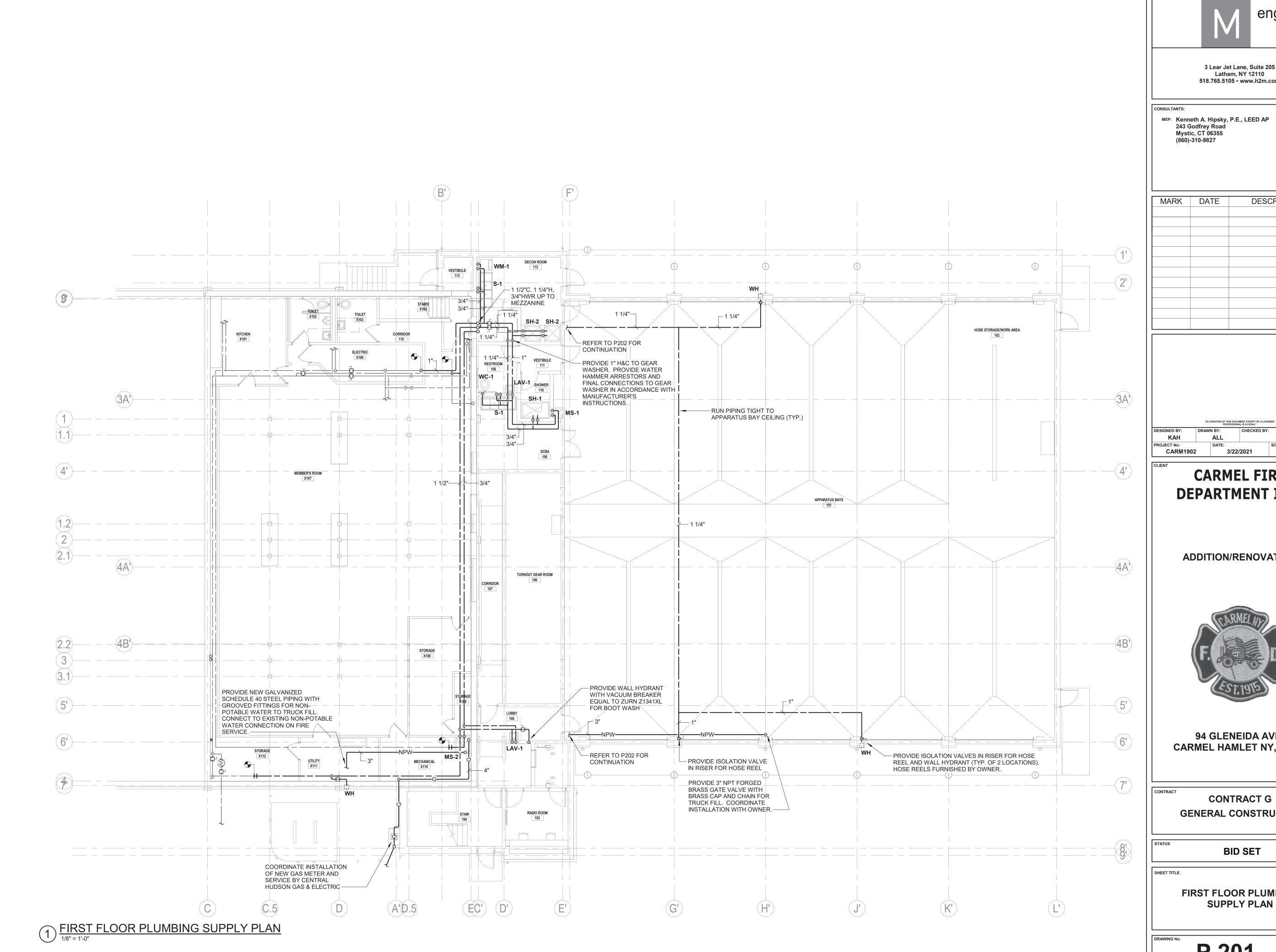
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SECOND FLOOR DRAINAGE PLAN





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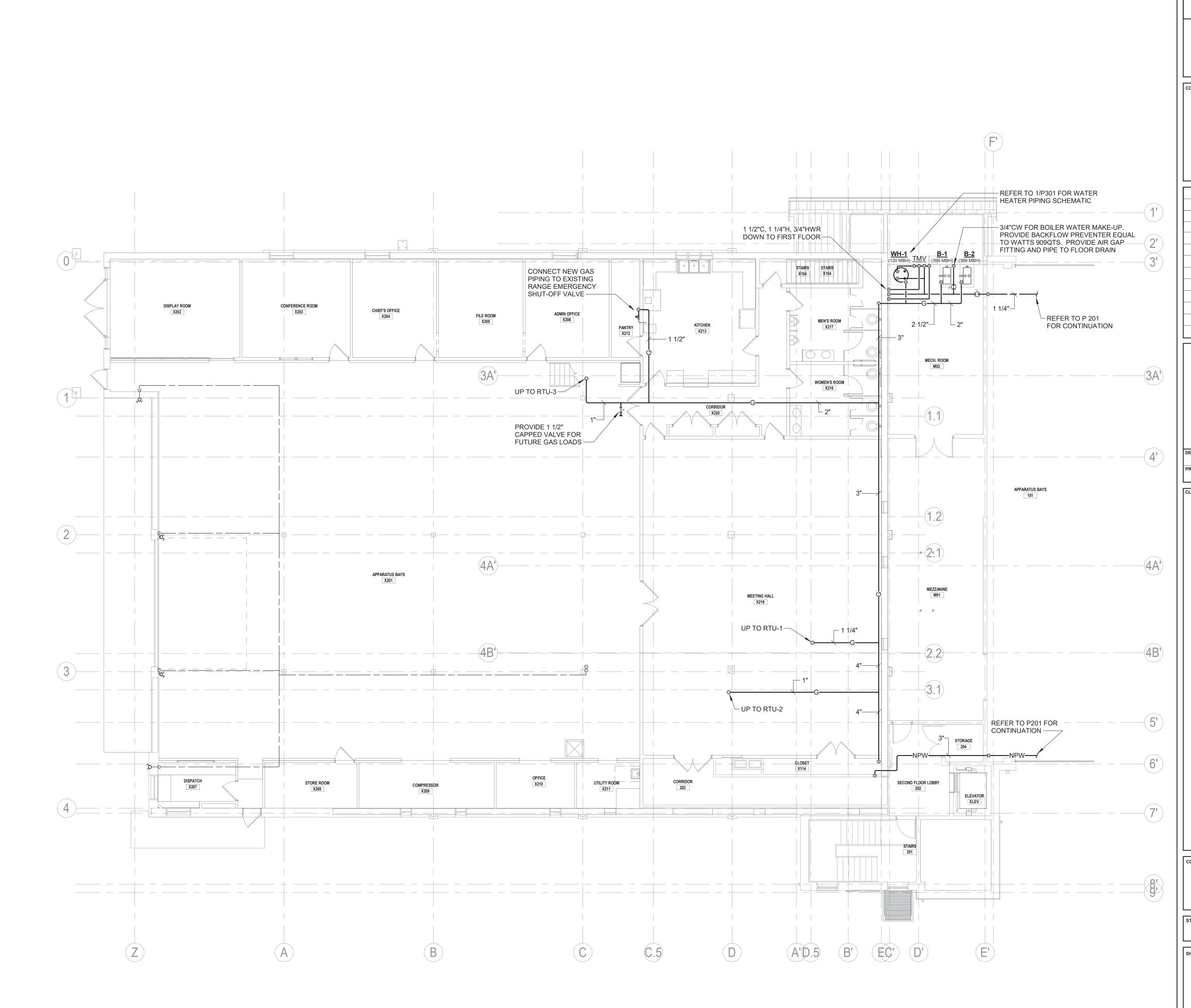


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FIRST FLOOR PLUMBING **SUPPLY PLAN**



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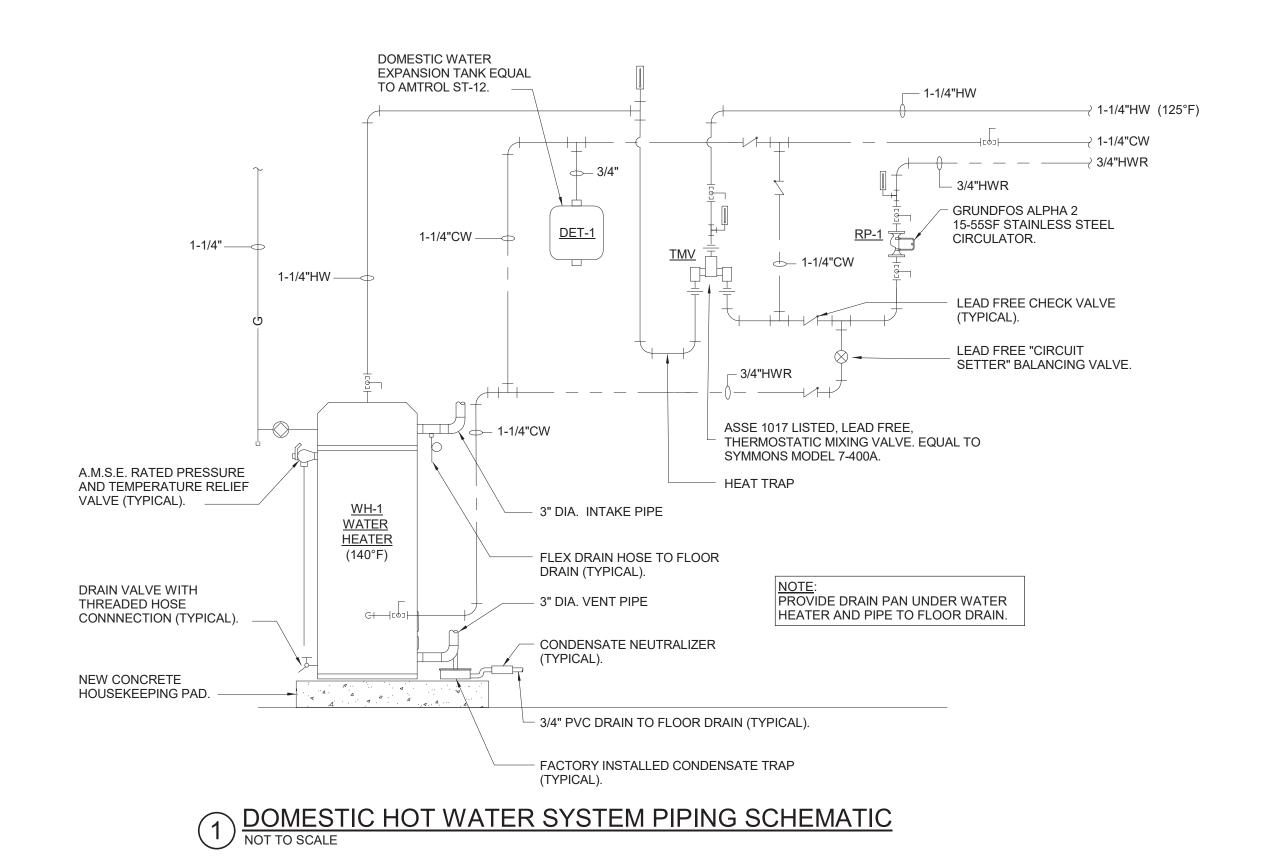
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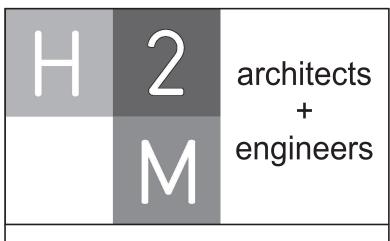
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SECOND FLOOR
PLUMBING SUPPLY PLAN

P 202

1 SECOND FLOOR PLUMBING SUPPLY PLAN





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CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

SHEET TIT

PLUMBING DETAILS

BID SET

NG No.

PLUMBING FIXTURE SCHEDULE

GENERAL NOTES:

PIPE SIZES SHOWN ARE FOR SUPPLY AND DRAINAGE ONLY. PROVIDE SUPPLIES WITH SCREWDRIVER STOPS, WALL ESCUTCHEON, 17-GAUAGE SEMICAST "P" TRAPS WITH CLEANOUT PLUGS, PLUMBING FIXTURE SUPPORTS AND NECESSARY FITTINGS TO MAKE FINAL CONNETION. REFER TO SPECIFICATIONS FOR EQUIVALENTS. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING ELEVATION OF PLUMBING FIXTURES, CLEARANCE BELOW SINKS AND LAVATORIES AND OFFSET DRAIN LOCATIONS. OFFSET DRAINS SHALL BE OFFSET LEFT REAR OR OFFSET RIGHT REAR. COORDINATE MOUNTING HEIGHTS FOR CHILDREN AND ADULT FIXTURES WITH ARCHITECTURAL DRAWINGS.

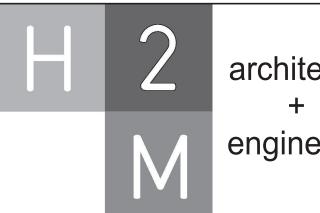
TAG	TYPE	ADA	MANUFACTURER	MODEL	COLD	HOT	SAN	VENT	DESCRIPTION	REMARKS
LAV-1	LAVATORY	Yes	AMERICAN STANDARD	LUCERNE 0355.012	1/2"	1/2"	1 1/2"	1 1/2"	CONTOURED BACK AND SIDE SPLASH SHIELDS, FAUCET LEDGE, 20"X18" NOMINAL DIMENSIONS. SYMMONS #S-20-2-G-1.5-W SINGLE LEVER FAUCET WITH GRID DRAIN ASSEMBLY AND 6" HANDLE. TRUEBRO #102-EZ	PROVIDE LEONARD #170A-LF-BP THERMOSTATIC MIXING-VALVE UNDER LAVATORY. PIPE TEMPERED HOT (110DEG F.) AND COLD WATER TO FAUCET.
MS-1	JANITOR SINK	No	ACORN	TSH-24	3/4"	3/4"	3"		TERRAZZO-WARE ONE-PIECE PRECAST 24"X24" MOP SINK WITH 12" SHOLDERS, STAINLESS STEEL CAPS, 3" RUBBER DRAIN GASEKET. CHICAGO FAUCET #897-CP MANUAL WALL-MOUNT FAUCET WITH 8" BODY, VACUUM BREAKER SPOUT WITH PAIL HOOK AND WALL BRACE.	
MS-2	MOP SINK	No	ACORN	TRH-362406	3/4"	3/4"	3"		TERRAZZO-WARE ONE-PIECE PRECAST 36"X24" MOP SINK WITH 6" SHOLDERS, STAINLESS STEEL CAPS, 3" RUBBER DRAIN GASEKET. CHICAGO FAUCET #897-CP MANUAL WALL-MOUNT FAUCET WITH 8" BODY, VACUUM BREAKER SPOUT WITH PAIL HOOK AND WALL BRACE.	
S-1	SCULLERY SINK	No	ELKAY	WNSF8230LR2	1/2"	1/2"	2"	2"		PIPE (2) 1 1/2" INDIRECT WASTE LINES FROM SINK TO FLOOR SINK.
SH-1	SHOWER	Yes	N/A	N/A	1/2"	1/2"	2"		SYMMONS 9603-PLR PRESSURE BALANCING MIXING VALVE WITH HAND SHOWER, 36" ADA GRAB BAR AND 60" FLEXIBLE METAL HOSE, INTEGRAL SERVICE STOPS, 2.5 GPM FLOW RESTRICTOR.	
SH-2	SHOWER	No	ACORN	SBS-36-3F	1/2"	1/2"	2"		TERRAZZO-WARE ONE-PIECE PRECAST 36"X36" SHOWER BASE WITH 4" HIGH THRESHOLD, 2" RUBBER DRAIN GASKET. SYMMONS S-9601-P PRESSURE BALANCED SHOWER VALVE WITH INTEGRAL VOLUME CONTROL, SHOWER HEAD, INTEGRAL SERVICE STOPS, 2.5 GPM FLOW RESTRICTOR.	
WC-1	WATER CLOSET	Yes	SLOAN	ST-2029	1"	0"	4"	2"	ELONGATED FLOOR MOUNTED, VITREOUS CHINA, ADA TOILET. CHURCH 295CT TOILET SEAT. SLOAN ROYAL 111-1.6 MANUAL FLUSH VALVE.	

PLUMBING DRAINAGE SPECIALTY SCHEDULE								
TAG	TYPE	MANUFACTURER	MODEL	DESCRIPTION	REMARKS			
FCO-1	FLOOR CLEANOUT	J. R. SMITH	#4032	CAST IRON CLEANOUT, WITH ROUND ADJUSTABLE NICKEL-BRONZE TOP (SQUARE TOP IN PORCELAIN TILED FLOORS) BRONZE PLUG AND VANDAL PROOF SCREWS.				
FCO-2	FLOOR CLEANOUT	J. R. SMITH	#4231M	CAST IRON CLEANOUT, WITH 6" ROUND EXTRA HEAVY DUTY DUCTILE IRON COVER, BRONZE PLUG AND VANDAL PROOF SCREWS.				
FD-1	FLOOR DRAIN	J. R. SMITH	#2005Y	CAST IRON BODY WITH FLASHING COLLAR, 6"DIA. ROUND (6' SQUARE IN PORCELAIN TILED FLOORS) NICKEL-BRONZE ADJUSTABLE STRAINER. VANDAL PROOF SCREWS. QUAD CLOSE TRAP SEAL. 2' PIPE SIZE UNLESS OTHERWISE INDICATED ON FLOOR PLANS.				
FD-2	FLOOR DRAIN	J. R. SMITH	#2131Y	CAST IRON DEEP BODY, AND FLASHING COLLAR 12" DIA. CAST IRON BAR GRATE. QUAD CLOSE TRAP SEAL. 2' PIPE SIZE UNLESS OTHERWISE INDICATED ON FLOOR PLANS.				
FS-1	FLOOR SINK	J. R. SMITH	#3004	10"DEEP 14 GAUGE TYPE 316 STAINLESS STEEL RECEPTOR BODY, 12"SQ. 1/2 GRATE, CAST TYPE 316 STAINLESS STEEL DOME BOTTOM STRAINER. 2" PIPE SIZE UNLESS OTHERWISE INDICATED ON FLOOR PLANS.				
RD-1	ROOF DRAIN	J. R. SMITH	#1015-CID-R-C	ADJUSTABLE ROOF DRAIN, CAST IRON BODY WITH COMBINED FLASHING CLAMP AND GRAVEL STOP, CAST IRON DOME, CAST IRON STANDPIPE, SUMP RECEIVER AND UNDER DECK CLAMP. DRAIN SIZE AS INDICATED ON ROOF PLAN.				
TD-1	TRENCH DRAIN	ABT, INC.	#2512AF	SEVEN (7) 39.19" (1 METER) PRECAST POLYESTER POLYMER CONCRETE PRESLOPED (0.6%) CHANNELS WITH RADIUS BOTTOM, #502 DUCTILE IRON GRATE (CLASS "C" LOADING), #510 ANCHOR FRAMES, #901 SERIES CATCH BASIN WITH FOUL AIR TRAP (ON END), #106 END PLATE AND #2224 INSTALLATION DEVICES.				
WM-1	WASHING MACHINE OUTLET BOX	OATEY	#38995	1/4 TURN BRASS HAMMER BALL VALVE, COPPER SWEAT CONNECTION, 2" DRAIN OPENING, 20GA STEEL BOX, 18GA STEEL FACEPLATE.				

	PLUMBING WATER SPECIALTY SCHEDULE								
TAG	TYPE	MANUFACTURER / ITEM DESCRIPTION	REMARKS						
WH		J.R. SMITH #5509QT-NB, NICKEL BRONZE BOX, BRONZE NICKEL PLATED NON-FREEZE QUARTER TURN WALL HYDRANT WITH INTEGRAL VACUUM BREAKER, 3/4"HOSE CONNECTION "T" HANDLE KEY.	SEE ARCHITECTURAL DOCUMENTS FOR WALL THICKNESS						
WHA		SIOUX CHIEF "HYDRA-RESTER" SEAMLESS PRESSURE CHAMBER. SPUN CLOSED COPPER TUBE PERMANENTLY SEALED AT 60 PSIG. SHALL CONFORM TO ASME/ANSI STANDARDS AND PDI CERTIFIED. INSTALL PER FACTORY RECOMMENDATION. LIFETIME WARRANTY.	PROVIDE AT QUICK CLOSING VALVES.						

					S-FIRED WATER H								
			GAS E	BURNER	WATER SIDE				ELEC	ECTRICAL DATA			
					STORAGE		PIPE DI	AMETER					
			INPUT		RECOVERY @ 100°F	VOL			THERMAL				
ID	MANUFACTURER	MODEL NO.	(BTU/H)	FUEL TYPE	(GPH)	(gal)	INLET	OUTLET	EFFICIENCY	FLA	VOLT	PH	REMARKS
WH-1	A. O. SMITH	BTH-120	120,000	NG	138.0	60.0	1 1/2"	1 1/2"	95	5 A	120 V	1	

SUMP PUMP SCHEDULE									
			PUI	PUMP MOTOR					
ID	MANUFACTURER	MODEL NO.	FLOW (GPM)	HEAD (FT)	POWER (hp)	RPM	VOLT	PH	REMARKS



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CARMEL FIRE DEPARTMENT INC.

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STATUS

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PLUMBING SCHEDULES

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