HACKBUSCH,3 CHECKED BY 08/24/2020

18071

PROJECT NO. PLUMBING GENERAL NOTES AND LEGENDS

Copyright 2020 BYSParchitects

PLUMBING SYMBOLS AND ABBREVIATIONS ARE NOT NECESSARILY USED ON THE DRAWINGS **ABBREVIATIONS** VALVES AND FITTINGS

GENERAL NOTES PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALL PERMITS, INSPECTIONS, LICENSES AND FEES. FURNISH ALL LABOR, EQUIPMENT, SUPPLIES AND MATERIALS NECESSARY TO PROVIDE COMPLETE

- AND OPERATIONAL SYSTEMS. THE DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL DESIGN AND ARRANGEMENT OF PIPES, FIXTURES, EQUIPMENT, SYSTEMS, ETC. INFORMATION SHOWN IS DIAGRAMMATIC IN CHARACTER AND DOES NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DO NOT SCALE THE DRAWINGS FOR DIMENSIONS. TAKE ALL DIMENSIONS, MEASUREMENTS, EQUIPMENT LOCATIONS, LEVELS, ETC FROM THE ARCHITECTURAL DRAWINGS AND FROM THE EQUIPMENT TO BE FURNISHED. PIPING MAY BE RELOCATED OR OFFSET FOR PROPER CLEARANCES OR TO AVOID CONFLICTS WITH OTHER TRADES. THE DESIGN INTENT (I.E. PITCHES, VELOCITIES, PRESSURE DROPS, VOLTAGE DROPS, ETC) CANNOT BE GREATLY ALTERED WITHOUT THE APPROVAL OF THE ARCHITECT. THE COST OF THESE DEVIATIONS TO AVOID INTERFERENCE'S SHALL BE PART OF THE ORIGINAL CONTRACT
- EACH SUBCONTRACTOR SHALL CONFER AND COOPERATE WITH ALL OTHER TRADES TO COORDINATE THEIR WORK. COORDINATION SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO MATERIALS AND EQUIPMENT ROUTED IN CEILING AND WALL CAVITIES, EQUIPMENT ARRANGEMENT IN MECHANICAL SPACES, INCLUDING EQUIPMENT CLEARANCE REQUIREMENTS, ELEVATIONS AND DIMENSIONS OF STRUCTURAL MEMBERS AND OPENINGS, ETC. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS.
- BASE FINAL INSTALLATION OF MATERIALS AND EQUIPMENT ON ACTUAL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE. FIELD MEASURE FOR MATERIALS AND EQUIPMENT REQUIRING EXACT FIT. NO EXTRAS WILL BE GIVEN FOR THE CONTRACTORS FAILURE TO
- THE OWNER OR ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THE WORK.
- THE CONTRACTOR SHALL LOCATE ALL EQUIPMENT THAT MUST BE SERVICED, OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE POSITIONS. EQUIPMENT SHALL INCLUDE (BUT NOT LIMITED TO) VALVES, SHOCK ABSORBERS, TRAPS, CLEANOUTS, MOTORS, CONTROLLERS, SWITCHGEAR, AND DRAIN POINTS IF REQUIRED FOR BETTER ACCESSIBILITY. FURNISH ACCESS DOORS FOR THIS PURPOSE. MINOR DEVIATIONS FROM THE DRAWINGS MAY BE ALLOWED TO PROVIDE FOR BETTER ACCESSIBILITY. ANY CHANGES SHALL BE APPROVED BY THE ARCHITECT AND CONSTRUCTION MANAGER/GENERAL CONTRACTOR PRIOR TO MAKING
- THE CONTRACTOR SHALL PROVIDE ACCESS DOORS, WALL OPENINGS, ROOF OPENINGS OR ANY OTHER CONSTRUCTION REQUIREMENT NEEDED TO ACCOMMODATE THE PLUMBING EQUIPMENT. LOCATIONS OF THESE OPENINGS SHALL BE SUBMITTED IN SUFFICIENT TIME TO BE INSTALLED IN THE NORMAL COURSE OF WORK.
- THE CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF PLUMBING EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO THE PURCHASE AND INSTALLATION OF ANY ELECTRICAL GEAR OR CONDUIT.
- PROVIDE VIBRATION ISOLATORS FOR MOTOR DRIVEN PLUMBING EQUIPMENT UNLESS NOTED OTHERWISE. PROVIDE ISOLATION AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
- 10. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WALL CLEANOUTS. ACCESS DOORS, ETC WITH THE ARCHITECT AND ALL OTHER TRADES PRIOR TO INSTALLATION. IF A CONFLICT WITH MILLWORK, LIGHT SWITCHES, WINDOWS, ETC EXISTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF THE POTENTIAL INTERFERENCE PRIOR TO INSTALLATION.
- PLUMBING VENTS THROUGH THE ROOF SHALL BE A MINIMUM OF 10 FEET FROM ALL OUTSIDE AIR INTAKES AND A MINIMUM OF 5 FEET FROM EXTERIOR PERIMETER WALLS.
- 12. SOME PIPES SHOWN ON EACH FLOOR PLAN MAY BE SHOWN WITH AN OFFSET FOR CLARITY.
- 13. PLUMBING FIXTURES AND TRIM OF LIKE KIND SHALL BE OF THE SAME MANUFACTURER THROUGHOUT THE PROJECT. TYPICAL CATEGORIES INCLUDE THE FOLLOWING:
- A. WATER CLOSETS, LAVATORIES, URINALS ELECTRIC WATER COOLERS, DRINKING FOUNTAINS
- FAUCETS, MIXING VALVES TAIL PIECE, FIXTURE TRAPS, ESCUTCHEONS, ARM EXTENSIONS, STRAINERS FIXTURE CARRIERS, FLOOR DRAINS, FLOOR SINKS, ROOF DRAINS, OVERFLOW DRAINS
- 14. PROVIDE WATER HAMMER ARRESTERS BETWEEN THE NEXT TO LAST AND LAST FIXTURE AT EACH BATTERY OF PLUMBING FIXTURES IN ACCORDANCE WITH THE WATER HAMMER
- ARRESTER SCHEDULE AND THE PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI-WH-201. 15. ALL SANITARY WASTE PIPING WITHIN THE BUILDING ENVELOPE SHALL HAVE MINIMUM SLOPES AS REQUIRED BY THE LOCAL CODE AUTHORITY. CONTRACTOR SHALL VERIFY
- UTILITIES AND CONNECTION INTO EXISTING SERVICES. 16. COMPLY WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE TEXAS ACCESSIBILITY'S STANDARD (TAS). PLUMBING CONTRACTOR SHALL PROVIDE
- PLUMBING FIXTURES WITH FLUSH VALVE HANDLES LOCATED ON THE WIDE SIDE OF EACH 17. SEAL ALL PIPE PENETRATIONS THROUGH FIRE RATED BUILDING ELEMENTS WITH AN
- APPROVED FIRE PROOFING MATERIAL.
- 18. CONTRACTOR SHALL PROVIDE AND INSTALL OF 1/2" THICK PIPING INSULATION ON ALL CONDENSATE PIPING WITHIN BUILDING ENVELOPE.

DOMESTIC HOT WATER HWC UNDERWRITERS LABORATORIES, INC. DOMESTIC HOT WATER CIRCULATION LOOP SANITARY VENT HOT WATER TEMPERATURE VTR SANITARY VENT THRU ROOF SANITARY WASTE (ABOVE FLOOR) MAINTENANCE CABLE WATER CLOSET INVERT ELEVATION WALL CLEANOUT INCH, INCHES J-BOX JUNCTION BOX W/O WITHOUT

ARCHITECT/ENGINEER

AIR HANDLING UNIT

APPROX APPROXIMATE

FLOOR)

OF BLDG)

DEMOLISH

DEGREES

EXISTING

EQUIPMENT

B.F.G. BELOW FINISHED GRADE

ABOVE FINISHED FLOOR

BUILDING DRAIN (BELOW

BUILDING SEWER (OUTSIDE

COPPER, CONDENSING UNIT

TWO-WAY GRADE CLEANOUT

ELECTRIC WATER COOLER

DEGREES FAHRENHEIT

FLOOR CLEANOUT

FIRE VALVE CABINET

GRADE CLEANOUT

NATURAL GAS WATER HEATER

FAN COIL UNIT

FLOOR DRAIN

NATURAL GAS

FLOOR SINK

FOOT, FEET

HEIGHT

HOSE BIBB

HORSEPOWER

DOMESTIC COLD WATER

EQUIPMENT DRAIN

DOWNSPOUT NOZZLE

AFF

AHU

BATT

CW

DCO

DEG

DSN

EQUIP

EWC

FCO

FCU

FD

FVC

GCO

GWH

HB

LINE TYPES

KILOWATT

LENGTH

POUNDS

MAXIMUM

MINIMUM

MOP SINK BASIN

ASSOCIATION

PLUG CLEANOUT

ROOF DRAIN

REFERENCE, REFER

SUBSURFACE DRAIN

THROUGH

TYPICAL

RUNNING LOAD AMPS

BACKFLOW PREVENTER

REDUCED PRESSURE ZONE

STORM DRAIN (BELOW FLOOR)

STORM WATER (ABOVE CEILING)

ON CENTER

PHASE PROVIDE FURNISH AND INSTALL

ROOM

NOT APPLICABLE

LOCKED ROTOR AMPS

MINIMUM CIRCUIT AMPACITY

NATIONAL FIRE PROTECTION

NON-FREEZE WALL HYDRANT

ROOF OVERFLOW DRAIN

POUNDS PER SQUARE INCH

REDUCED PRESSURE PRINCIPLE

NORMALLY OPEN, NORMALLY CLOSED

LRA

N/O,N/C

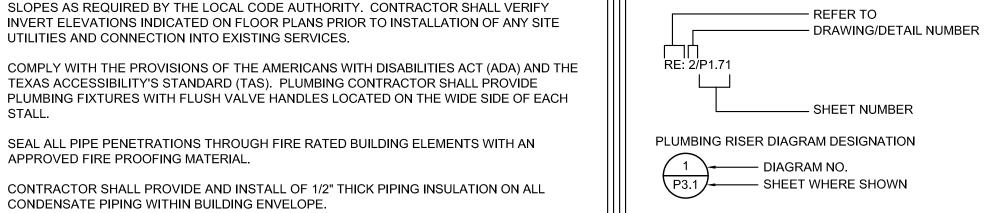
OFD

RD

STM

SYMBOL	DESCRIPTION
	SANITARY SEWER (ABOVE CEILING)
- BD -	SANITARY SEWER (BELOW FLOOR, BUILDING DRAIN)
	SANITARY SEWER (OUTSIDE OF BUILDING, BUILDING SEWER)
—D—	EQUIPMENT DRAIN (ABOVE CEILING)
sr	STORM WATER PIPING (ABOVE CEILING)
—SSD—	SUBSURFACE DRAINAGE
	SANITARY VENT
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER CIRCULATION
∭ — F —	FIRE PROTECTION MAIN WATER SUPPLY
——A——	COMPRESSED AIR
→	DIRECTION OF FLOW
	DIRECTION OF PIPE SLOPE DOWN
$\parallel \times \times \times$	PIPE DEMOLITION

DRAWING/DETAIL REFERENCE



WATE	R HAMI	MER AF	RRESTE	ER SCH	EDUL
P.D.I. SIZE	A	В	С	D	Е

FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330						
NOTES:												
1. ALL WHA'S SHALL BE PISTON TYPE WITH EPDM O-RINGS, SIOUX CHIEF'S SERIES 650 OR EQUAL.												
1 0 411 14/11410 011411	DE 41101/4001	- 4040 0004 05	DTIELED AND	4 D D D O \ (E D E C	D 1810 T 41 1 4 T	ONINAUTII						

2. ALL WHA'S SHALL BE ANSI/ASSE 1010 2004 CERTIFIED AND APPROVED FOR INSTALLATION WITH NO ACCESS PANEL REQUIRED. SIZE AND LOCATE WATER HAMMER ARRESTERS IN ACCORDANCE WITH PDI PAMPHLET PDI-WH-201.

MISCELLANEOUS

$\langle 1 \rangle$	DRAWING NOTE REFERENCE (I.E., NOTES BY SYMBOL)

CONNECTION INTO EXISTING

F

CONNECTION POINT OF BASE BID AND ALTERNATE.

DESCRIPTION SYMBOL SHUT-OFF / ISOLATION VALVE \longrightarrow BALL VALVE **BUTTERFLY VALVE** GLOBE VALVE PLUG VALVE / GAS COCK -CHECK VALVE STRAINER CALIBRATED BALANCING VALVE GAS PRESSURE REGULATOR FLOW SWITCH UNION (DIELECTRIC) VALVE IN RISER \longleftarrow \longrightarrow END RISE (90° ELL) END DROP (90° ELL) \leftarrow RISE OR DROP TEE OUT OF TOP OF PIPE \longrightarrow TEE OUT OF BOTTOM OF PIPE CAP ON END OF PIPE U⊃HIWC0 WALL CLEANOUT ——∥PCO PLUG CLEANOUT <u>-{⊙⊙</u>- DCO TWO WAY CLEANOUT GRADE CLEANOUT —<u>⊚</u> GCO NON-FREEZE WALL HYDRANT OR HOSE BIBB (iii) FD FLOOR DRAIN ⊙ FCO FLOOR CLEANOUT **──** SHUT-OFF / ISOLATION VALVE OS&Y GATE VALVE PRESSURE GAUGE ALARM CHECK VALVE

NOTE: ALL SYMBOLS AND ABBREVIATIONS SHOWN

BASIS OF PLUMBING DESIGN

ш			
Ш	Ш	PRIMARY CODES:	
Ш	Ш	PLUMBING:	2015 INTERNATIONAL PLUMBING CODE (WITH CITY AMENDMENT
Ш		FIRE PROTECTION:	2015 INTERNATIONAL FIRE CODE (WITH CITY AMENDMENTS)
Ш	Ш		

PROJECT DESIGN VALUES: SANITARY SEWER AND VENT SYSTEM(s):

TOTAL DRAINAGE FIXTURES UNITS = 118 DFU BASE BID AND ALTERNATE #2:

TOTAL DRAINAGE FIXTURES UNITS = 124 DFU DOMESTIC WATER SYSTEM(s):

TOTAL WATER FIXTURE UNITS = 230 FU PEAK DEMAND = 96 GPM BASE BID AND ALTERNATE #2: TOTAL WATER FIXTURE UNITS = 238 FU

PEAK DEMAND = 98 GPM DOMESTIC HOT WATER TEMPERATURE = 120°F TEMPERED DOMESTIC HOT WATER TEMPERATURE = 110°F CIRCULATED DOMESTIC WATER SYSTEM

FIRE SPRINKLER SYSTEM(s): TYPES OF SYSTEMS IN PROJECT: WET PIPE SPRINKLER SYSTEM

CONSULTANTS, INC. Texas BPE Registration # F-207 1300 Summit Avenue 4144 N. Central Expwy Suite 500 Fort Worth, Texas 76102 Dallas, Texas 75204 Office 817.878.4242 Office 214.420.9111 www.summitmep.com

			PLUMBING	FIXT	IRE SCHEDU	LE				
MARK DESCRIPTION		GH IN (MINIMUM)	MANUFACTURER AND MODEL NUMBER	ADA /TAS	MARK DESCRIPTION			IN (MINIMUI		ADA /TAS
WC1 WATERCLOSET, ADA COMPLIANT, FLOOR MOUNT, FLUSHOMETER VALVE, TOP SPUD, ELONGATED, SIPHON ACTION JETTED BOWL, VITREOUS CHINA, WHITE, ASME A112.19.2M, 2" FULLY GLAZED TRAPWAY, 10" ROUGH-IN, 1.28 GPF	4" 2"		AMERICAN STANDARD, 3043.001; KOHLER, K-96057; SLOAN, ST-2029.	G		MPARTMENT, 43"x18"x7 1/2", SELF RIMMING, SEAMLESS #18 GAUGE TYPE 304 STAINLESS EDGE, MINIMUM 1 3/4" VERTICAL AND HORIZONTAL RADIUS BASIN CORNERS, FULLY ANSI A112.19.3M.	2" 1 1/2'		- JUST, TL-1843-A-GR; OR EQUAL IN ELKAY.	
FLUSHOMETER VALVE, 1.28 GPF, BATTERY POWERED AUTOMATIC SENSOR ACTUATOR, EXPOSED DIAPHRAGM-TYPE, CHROME PLATED METAL COVER WITH MANUAL OVER-RIDE BUTTON, 1 1/2" TOP SPUD, SPUD COUPLING AND FLANGE, CHROME PLATED ANGLE STOP WITH STOP CAP, VACUUM BREAKER FLUSH		1 1/2" - BAT	SLOAN, OPTIMA 111-1.28 SMO.		,	OTAL), DECK MOUNT, 8" SWING SPOUT, CHROME PLATED BRASS, 8" CENTERS, CHROME TWO-1/4 TURN 2 1/2" LEVER HANDLES, NSF 61 COMPLIANT, ANSI A112.18.1M, 1.5 GPM MAX.		1/2" 1/2"	- (2)-DELTA, 27C1233; LESS SIDE SPRAY.	
CONNECTION, CAST WALL FLANGE WITH SET SCREW, ANSI/ASME 112.19.6 SEAT, EXTRA HEAVY WEIGHT, POSTURE MOLDED SOLID PLASTIC, ELONGATED, OPEN FRONT, LESS COVER	3,		CHURCH 9500C; BEMIS, 1655C; OLSONITE, 95/SS		AND CHROME PL	PS, QUARTER-TURN BRASS BALL VALVE WITH HANDLE, CHROME PLATED BRASS VALVES ATED COPPER RISERS.		1/2" 1/2"	- MCGUIRE, LFBV2165CC; OR EQUAL IN T&S BRASS OR BRASSCRAFT.	
EXTERNAL CHECK HINGES, STAINLESS STEEL HINGE POSTS, WHITE U1 URINAL, 0.5 GPF, WALL MOUNT, VITREOUS CHINA, 14" EXTENDED FLUSHING RIM, SIPHON JET ACTION,	2" 2"		AMERICAN STANDARD, 6550.001; KOHLER, K-5016-ET.		TAILPIECE AND F	PLATED CAST BRASS BODY WITH CLEANOUT, 17 GA., END-OUTLET CONTINUOUS WASTE ORGED STAINLESS STEEL BASKET STRAINER			 MCGUIRE, 8912C/111C16G20; OR EQUAL IN T&S BRASS OR BRASSCRAFT JUST J-ADA-35; OR EQUAL IN MCGUIRE, T&S BRASS OR BRASSCRAFT 	
3/4" INLET SPUD, INLET AND OUTLET SPUDS AND HANGERS, ASME/ANSI A112.19.2 FLUSHOMETER VALVE, 0.5 GPF, BATTERY POWERED AUTOMATIC SENSOR ACTUATOR, EXPOSED DIAPHRAGM-TYPE, CHROME PLATED METAL COVER WITH MANUAL OVER-RIDE BUTTON, 3/4" TOP SPUD,		3/4" - BAT	SLOAN, OPTIMA 186-0.5 SMO.		STEEL, FAUCET L	OMPARTMENT, 33"x21"x5", SELF RIMMING, SEAMLESS #18 GAUGE TYPE 304 STAINLESS EDGE, MINIMUM 1 3/4" VERTICAL AND HORIZONTAL RADIUS BASIN CORNERS, FULLY ANSI A112.19.3M. DRAINS CENTERED IN REAR OF EACH BASIN.	2" 1 1/2'		- JUST, DL-ADA-2133-A-GR; ELKAY, LRAD332150.	Ġ.
SPUD COUPLING AND FLANGE, CHROME PLATED ANGLE STOP WITH STOP CAP, VACUUM BREAKER FLUSH CONNECTION, CAST WALL FLANGE WITH SET SCREW, ANSI/ASME 112.19.6 FIXTURE CARRIER. HANGER AND BEARING PLATES. ADJ. SUPPORTING RODS. UPRIGHTS. WELDED FEET			JOSAM, SERIES 17560-UR; WATTS, CA-321; JR SMITH, 0632		,	OUNT, 8" SWING SPOUT, CHROME PLATED BRASS, 8" CENTERS, WITH SIDE HAND SPRAY, BRASS, TWO-1/4 TURN 2 1/2" LEVER HANDLES, NSF 61 COMPLIANT, ANSI A112.18.1M, 1.5		1/2" 1/2"	- DELTA, 27C1233; WITH SIDE SPRAY.	
U2 URINAL, 0.5 GPF, WALL MOUNT, VITREOUS CHINA, 14" EXTENDED FLUSHING RIM, SIPHON JET ACTION,	2" 2"	·	AMERICAN STANDARD, 6550.001; KOHLER, K-5016-ET.	P		DPS, QUARTER-TURN BRASS BALL VALVE WITH HANDLE, CHROME PLATED BRASS VALVES		1/2" 1/2"	- MCGUIRE, LFBV2165CC; OR EQUAL IN T&S BRASS OR BRASSCRAFT.	
3/4" INLET SPUD, INLET AND OUTLET SPUDS AND HANGERS, ASME/ANSI A112.19.2 FLUSHOMETER VALVE, 0.5 GPF, BATTERY POWERED AUTOMATIC SENSOR ACTUATOR, EXPOSED			SLOAN, OPTIMA 186-0.5 SMO.		AND CHROME PL	ATED COPPER RISERS. E PLATED CAST BRASS BODY WITH CLEANOUT, 17 GA., END-OUTLET CONTINUOUS WASTE		1/2 1/2	- MCGUIRE, 8912C/111C16G20; OR EQUAL IN T&S BRASS OR BRASSCRAFT	
DIAPHRAGM-TYPE, CHROME PLATED METAL COVER WITH MANUAL OVER-RIDE BUTTON, 3/4" TOP SPUD,			SLOAN, OF HIMA 100-0.5 SIMO.		,	ORGED STAINLESS STEEL BASKET STRAINER			- JUST J-ADA-35; OR EQUAL IN MCGUIRE, T&S BRASS OR BRASSCRAFT	
SPUD COUPLING AND FLANGE, CHROME PLATED ANGLE STOP WITH STOP CAP, VACUUM BREAKER FLUSH CONNECTION, CAST WALL FLANGE WITH SET SCREW, ANSI/ASME 112.19.6						SER, CONTINUOUS FEED, 1/2 HP, GALV. STEEL GRINDING ELEMENTS, S.S. 360° SWIVEL			- IN-SINK-ERATOR, BADGER 5; GE GFC520; WHIRLPOOL GC2000PE	
FIXTURE CARRIER, HANGER AND BEARING PLATES, ADJ. SUPPORTING RODS, UPRIGHTS, WELDED FEET			JOSAM, SERIES 17560-UR; WATTS, CA-321; JR SMITH, 0632			DMPARTMENT, 32"x18"x5", UNDERMOUNT, SEAMLESS #18 GAUGE TYPE 304 STAINLESS	2" 1 1/2'		- JUST, DL-ADA-2133-A-GR; ELKAY, LRAD332150.	
L1 LAVATORY, 20"X17" OVAL SELF-RIMMING BASIN WITH FAUCET LEDGE, 4" CENTER FAUCET HOLES, VITREOUS CHINA, FRONT OVERFLOW, ANSI A112.19.2.	2" 1 1/	2"	AMERICAN STANDARD, 0476.028; KOHLER, K-2196-4.	J.		1 3/4" VERTICAL AND HORIZONTAL RADIUS BASIN CORNERS, FULLY UNDERCOATED, ANSI INS CENTERED IN REAR OF EACH BASIN.				
FAUCET, DECK MOUNT, ELECTRONIC PROXIMITY WITH DUAL BEAM INFRARED SENSOR, CHROME PLATED FINISH, CAST BRASS SPOUT, SINGLE SUPPLY FOR TEMPERED WATER, SINGLE CENTER HOLE INSTALLATION, NSF 61 COMPLIANT, 0.5 GPM MAX. FLOW RATE.		1/2" 1/2" BAT	Г MOEN, 8551.		· /	OUNT, 8" SWING SPOUT, CHROME PLATED BRASS, 8" CENTERS, WITH SIDE HAND SPRAY, BRASS, TWO-1/4 TURN 2 1/2" LEVER HANDLES, NSF 61 COMPLIANT, ANSI A112.18.1M, 1.5 RATE.		1/2" 1/2"	- DELTA, 27C1233; WITH SIDE SPRAY.	
SUPPLY AND STOPS, QUARTER-TURN BRASS BALL VALVE WITH HANDLE, CHROME PLATED BRASS VALVES AND CHROME PLATED COPPER RISERS.	- -	1/2" 1/2 -	MCGUIRE, LFBV2165CC; OR EQUAL IN T&S BRASS OR BRASSCRAFT.			PS, QUARTER-TURN BRASS BALL VALVE WITH HANDLE, CHROME PLATED BRASS VALVES ATED COPPER RISERS.		1/2" 1/2"	- MCGUIRE, LFBV2165CC; OR EQUAL IN T&S BRASS OR BRASSCRAFT.	
P-TRAP, CHROME PLATED CAST BRASS BODY WITH CLEANOUT, SEAMLESS WALL BEND, 17 GA.			MCGUIRE, 8902C; BRASSCRAFT, 507; OR EQUAL IN T&S BRASS		` <u>'</u>	PLATED CAST BRASS BODY WITH CLEANOUT, 17 GA., END-OUTLET CONTINUOUS WASTE			- MCGUIRE, 8912C/111C16G20; OR EQUAL IN T&S BRASS OR BRASSCRAFT	<u>i</u>
OFFSET TAILPIECE AND STRAINER, CHROME PLATED CAST BRASS			MCGUIRE, 155WC; OR EQUAL IN T&S BRASS; OR BRASSCRAFT			ORGED STAINLESS STEEL BASKET STRAINER			- JUST J-ADA-35; OR EQUAL IN MCGUIRE, T&S BRASS OR BRASSCRAFT	
THERMOSTATIC MIXING VALVE, 0.25 GPM MINIMUM FLOW, INTEGRAL INLET CHECK VALVES AND STRAINER, SET TEMPERATURE TO 105°, ASSE 1070.		1/2" 1/2" -	WATTS, LFUSG-B; LEONARD, 170-LF; OR EQUAL		LUGS.	SER, CONTINUOUS FEED, 1/2 HP, GALV. STEEL GRINDING ELEMENTS, S.S. 360° SWIVEL			- IN-SINK-ERATOR, BADGER 5; GE GFC520; WHIRLPOOL GC2000PE	00
L2 LAVATORY, 20"X17" OVAL SELF-RIMMING BASIN WITH FAUCET LEDGE, 4" CENTER FAUCET HOLES, VITREOUS CHINA, FRONT OVERFLOW, ANSI A112.19.2.	2" 1 1/	2"	AMERICAN STANDARD, 0476.028; KOHLER, K-2196-4; SLOAN, SS-3002.	<u> </u>	INSIDE DEPTH) 6'	ONE PIECE-PRECAST TERRAZZO 24"x24"x12" (1 1/4" WALL THICKNESS WITH MINIMUM 9.75" DROP FRONT, STAINLESS STEEL EDGE CAPS ON ALL SIDES, STAINLESS STEEL WALL RASS DRAIN WITH STAINLESS STEEL STRAINER	3 2		- FIAT MODEL TSB-3000; STERN WILLIAMS HL-1810; FLORESTONE MODEL 9	92
FAUCET, DECK MOUNT, ELECTRONIC PROXIMITY WITH DUAL BEAM INFRARED SENSOR, CHROME PLATED FINISH, CAST BRASS SPOUT, SINGLE SUPPLY FOR TEMPERED WATER, SINGLE CENTER HOLE	- -	1/2" 1/2" BAT	Г DELTA, 590Т1150.		FAUCET, EXPOSE	ED YOKE, WALL MOUNTED UTILITY FAUCET, VACUUM BREAKER, 6"THREADED SPOUT S STEEL MOP BRACKET WITH THREE RUBBER TOOL GRIPS		3/4" 3/4"		
INSTALLATION, NSF 61 COMPLIANT, 0.5 GPM MAX. FLOW RATE.						E (5/8"), CHROME COUPLING 1 END, 5"x3" STAINLESS STEEL BRACKET W/ RUBBER GRIP			FIAT MODEL 889-CC; OR EQUALFIAT MODEL 832-AA; OR EQUAL	
SUPPLY AND STOPS, QUARTER-TURN BRASS BALL VALVE WITH HANDLE, CHROME PLATED BRASS VALVES AND CHROME PLATED COPPER RISERS.	- -	1/2" 1/2 -	MCGUIRE, LFBV2165CC; OR EQUAL IN T&S BRASS OR BRASSCRAFT.		ALUMINUM BUMF	ER GUARD ON LEADING EDGE OF MOP SINK BASIN			- FIAT MODEL 1239-BB; OR EQUAL	
P-TRAP, CHROME PLATED CAST BRASS BODY WITH CLEANOUT, SEAMLESS WALL BEND, 17 GA.			MCGUIRE, 8902C; BRASSCRAFT, 507; OR EQUAL IN T&S BRASS			TER COOLER, INDOOR BI-LEVEL WALL MOUNTED WITH BOTTLE FILLER ABOVE LOW UNIT, ELECTRIC REFRIGERATION, STAINLESS STEEL BASIN WITH ANTI-SPLASH RIDGE,	2" 1 1/2"	- -	115V ELKAY MODEL EZSTL8WSLK; OR EQUAL IN HALSEY TAYLOR.	
OFFSET TAILPIECE AND STRAINER, CHROME PLATED CAST BRASS THERMOSTATIC MIXING VALVE, 0.25 GPM MINIMUM FLOW, INTEGRAL INLET CHECK VALVES AND STRAINER,		 1/2" 1/2" -	MCGUIRE, 155WC; OR EQUAL IN T&S BRASS; OR BRASSCRAFT WATTS, LFUSG-B; LEONARD, 170-LF; OR EQUAL		INTEGRAL DRAIN WATER COOLER.	STRAINER, NON-SQUIRT BUBBLER, PUSH BAR ACTIVATION ON FRONT AND SIDES OF REFRIGERATION SYSTEM SERVING BOTH BI-LEVELS AND BOTTLE FILLER TO INCLUDE				
SET TEMPERATURE TO 105°, ASSE 1070. L2 LAVATORY, 19"X16" OVAL UNDER MOUNT, VITREOUS CHINA, FRONT OVERFLOW, UNGLAZED RIM, ANSI	2" 1 1/	2"	AMERICAN STANDARD, 0496.221; KOHLER, K-2210; SLOAN, SS-3001.		TEMPERATURE A	COMPRESSOR, FULLY INSULATED STAINLESS STEEL TANK, 8 GPH WITH 50°F SUPPLY ND 80°F AMBIENT, 115VOLT. NFS/ANSI 61 & 372.				
A112.19.2. FAUCET, DECK MOUNT, ELECTRONIC PROXIMITY WITH DUAL BEAM INFRARED SENSOR, CHROME PLATED		1/2" 1/2" 115\	/ DELTA, 590T1150.		UNIT	DMPLIANT APRON, MOLDED STAINLESS STEEL SKIRT KIT FOR INSTALLATION ON THE HIGH			==:0\(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\)	
FINISH, CAST BRASS SPOUT, SINGLE SUPPLY FOR TEMPERED WATER, SINGLE CENTER HOLE INSTALLATION, NSF 61 COMPLIANT, 0.5 GPM MAX. FLOW RATE.						/ITH DIELECTRIC COUPLING		1/2" -	- REFER TO MANUFACTURER FOR REQUIREMENTS	
- F - 		1/0" 1/0	1400UIDE EDV040500 OD FOUND IN TOO DD 100 OD DD 100 OD DD		P-TRAP, PVC, Wh				- DEARBORN BRASS, A9701BG; KEYSAN MOEM9100; OR EQUAL	
SUPPLY AND STOPS, QUARTER-TURN BRASS BALL VALVE WITH HANDLE, CHROME PLATED BRASS VALVES AND CHROME PLATED COPPER RISERS.		1/2" 1/2 -	MCGUIRE, LFBV2165CC; OR EQUAL IN T&S BRASS OR BRASSCRAFT.		NUTS/WASHERS	R, STEEL TOP AND BOTTOM PLATES W/ ADJ. HOLES, CHROME PLATED CAP	- -		- JOSAM SERIES 17905; WATTS, CA-431-1; OR EQUAL IN JR SMITH	
P-TRAP, CHROME PLATED CAST BRASS BODY WITH CLEANOUT, SEAMLESS WALL BEND, 17 GA. OFFSET TAILPIECE AND STRAINER, CHROME PLATED CAST BRASS			MCGUIRE, 8902C; BRASSCRAFT, 507; OR EQUAL IN T&S BRASS MCGUIRE, 155WC; OR EQUAL IN T&S BRASS; OR BRASSCRAFT		STAINLESS STEE	AST IRON BODY, ANCHOR FLANGE, WEEPHOLES FOR DOUBLE DRAINAGE, 6" SQUARE L FLAT STRAINER. ADJUSTABLE DRAIN HEAD W/ MACHINED INTEGRAL BODY THREADS,	- -	- -	- JOSAM SERIES 30000-S; MIFAB F1000-S.	
THERMOSTATIC MIXING VALVE, 0.25 GPM MINIMUM FLOW, INTEGRAL INLET CHECK VALVES AND STRAINER, SET TEMPERATURE TO 105°, ASSE 1070.	- -	1/2" 1/2" -	WATTS, LFUSG-B; LEONARD, 170-LF; OR EQUAL		ASME A112.21.1 INSTALL TRAP SE	AL SYSTEM, ABS PLASTIC FRAME, SILICONE RUBBER FLAPPERS AND FOUR FLEXIBLE			- JOSAM, 88240; MIFAB, MI-GARD.	
S1 SINK, SINGLE COMPARTMENT, 19"x21"x5", SELF RIMMING, SEAMLESS #18 GAUGE TYPE 304 STAINLESS STEEL, FAUCET LEDGE, MINIMUM 1 3/4" VERTICAL AND HORIZONTAL RADIUS BASIN CORNERS, FULLY	2" 1 1/	2"	JUST, SL-ADA-1921-A-GR; ELKAY, LRAD221950.	G	,	/ RESISTANT, ASSE 1072. , CI BODY, RECESSED, THREADED BRASS PLUG, STAINLESS STEEL ACCESS COVER			- JOSAM 58600-PLG; MIFAB C1460-RD. REFER DETAIL1/P501.	
UNDERCOATED, ANSI A112.19.3M. DRAIN CENTERED IN REAR OF BASIN.						, SPIGOT CONNECTION, RAISED HEAD THREADED BRASS PLUG			- JOSAM; MIFAB.	
FAUCET, DECK MOUNT, CHROME PLATED BRASS, 6" RIGID / SWING GOOSENECK SPOUT, TWO-HANDLE, 1/4 TURN 2 1/2" LEVER HANDLES, 4" CENTERS, NSF 61 COMPLIANT, ANSI A112.18.1M, 1.5 GPM MAX. FLOW RATE.		1/2" 1/2" -	DELTA, 27C4943.		LOOSE KEY HANI	LL HYDRANT, WALL TYPE, CHROME FINISH ON BRASS CASTINGS, VACUUM BREAKER, DLE, 3/4" MALE HOSE THREAD NOZZLE. PROVIDE SAMPLES OF MATERIAL AND FINISHES OR HOSE CONNECTION FOR ARCHITECTURAL SELECTION OF FINISH.		3/4" -	- WOODFORD, #67; OR EQUAL IN MIFAB, JOSAM.	
SUPPLY AND STOPS, QUARTER-TURN BRASS BALL VALVE WITH HANDLE, CHROME PLATED BRASS VALVES AND CHROME PLATED COPPER RISERS.		1/2" 1/2 -	MCGUIRE, LFBV2165CC; OR EQUAL IN T&S BRASS OR BRASSCRAFT.			CE MAKER CONNECTION BOX, 8"X8" RECESSED STAINLESS STEEL ENCLOSURE		3/4" -	- GUY GREY MODEL SSIB1; OR EQUAL	
P-TRAP, CHROME PLATED CAST BRASS BODY WITH CLEANOUT, SEAMLESS WALL BEND, 17 GA.			MCGUIRE, 8912C; OR EQUAL IN T&S BRASS OR BRASSCRAFT							
TAILPIECE AND FORGED STAINLESS STEEL BASKET STRAINER			JUST J-ADA-35; OR EQUAL IN MCGUIRE, T&S BRASS OR BRASSCRAFT							
	+ +	1 1					1			

MARK SERVICE

- CONTRACTOR SHALL FURNISH AND INSTALL SUPPLIES, STOPS, TRAPS, TAILPIECES AND ALL APPURTENANCES NECESSARY FOR A COMPLETE INSTALLATION OF ALL FIXTURES.

 ALL ADA ACCESSIBLE SINKS AND LAVATORIES SHALL BE EQUIPPED WITH TRUEBRO #103 UNDER SINK PROTECTIVE PIPE COVERS WHERE NOT CONCEALED BY MILLWORK.
- COMPLY WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE TEXAS ACCESSIBILITY'S STANDARD (TAS). PLUMBING CONTRACTOR SHALL PROVIDE PLUMBING FIXTURES WITH FLUSH VALVE
- HANDLES LOCATED ON THE WIDE SIDE OF EACH STALL OR ROOM. FLOOR CLEANOUT ACCESS COVERS IN ALL FINISHED AREAS SHALL BE OF THE RECESSED TYPE TO ALLOW FOR INSERTION OF FINISHED FLOOR TREATMENT. TILE OR CARPET MARKER AS NECESSARY. ABOVE THE FLOOR P-TRAPS ON LAVATORIES AND SINKS SHALL BE 17 GAUGE, CHROME PLATED BRASS. ACCEPTABLE MANUFACTURERS: MCGUIRE, T&S BRASS, OR BRASSCRAFT.

			'IC EI ECTI	RIC WATEI		DCCI				- 11		
		DOMESI	IC ELECT	RIC WAIEI	X ПСА I С	てっし	HEDULE			- 11		
					·			_		- 11		
		STORAGE	RECOVERY RATE	LEAVING WATER	FLECTE	RICAL CHA	ARACTERISTICS			1 11		
	TYPE								MANUFACTURER AND MODEL NUMBER	REMARKS	MARK	SERVICE
	'''-	CAPACITY (GAL)	(80° RISE) (GPH)	TEMPERATURE (°F)	# ELEMENTS	KW VC	OLTS PHASE	HZ	W/ ((40) /(0) Of CERT/((4D) WODEL (40) WIDER	1(E) (1(0)	'''' '' ''	OLIVIOL
	1		(33 :::32) (31 ::)	<u> </u>								
OT WATED	ELECTRIC TANK	00	22	400		4.5	000 1	60	A C CANTIL DEL CO		TCM//4	TEMPEDED HOT

1 TWO ELECTRIC HEATING ELEMENTS SET FOR NON-SIMULTANEOUS OPERATION 2 ADJUST STORAGE WATER TEMPERATURE IN ACCORDANCE WITH LOCAL ENERGY CODE REQUIREMENTS.

PUMP SCHEDULE												
MARK	SERVICE TYPE FLOWRATE TOTAL DYNAMIC SPEED EFFIC. ELECTRICAL CHARACTERISTICS (GPM) HEAD (FEET) (RPM) (%) HP VOLTS PHASE HZ MANUFACTURER AND MODEL NUMBER						REMARKS					
CP1	DOMESTIC HOT WATER CIRCULATION	INLINE, CENTRIFUGAL	4	14	1,750	65	0.125	115	1	60	TACO, 009-FS-0014.	(1)(2)
SP1	ELEVATOR SUMP PUMP	SUMP AND EFFLUENT PUMP	50	15	1,750	65	0.5	115	1	60	LITTLE GIANT, 10EN-CB-SFS.	34

1 PROVIDE 7-DAY TIME CLOCK FOR OPERATION OF CIRCULATION PUMP (SET TO OPERATE BETWEEN 5:00 AM TO 9:00 PM, ADJUSTABLE). 2) PUMPS SHALL BE RATED FOR CONTINUOUS OPERATION AT WATER TEMPERATURES OF WATER SYSTEM

6. CONTRACTOR SHALL VERIFY FIXTURE SUPPLIES AND APPURTENANCES FOR EACH FIXTURE PRIOR TO BIDDING AND PURCHASING. ALL FLOOR MOUNTED WATER CLOSETS SHALL HAVE 10" ROUGH-IN UNLESS OTHERWISE NOTED.

8. CONTRACTOR SHALL VERIFY PLUMBING FIXTURES PROVIDED COMPLY WITH HANDICAPPED ACCESSIBILITY STANDARDS INCLUDING HEIGHT AND CLEARANCE REQUIREMENTS.
9. ALL WATER CLOSET AND URINAL FLUSH VALVES SHALL INCLUDE CHROME PLATED CAST WALL FLANGE WITH SETSCREW AND COVER TUBE.
10. WATER CLOSETS AND URINALS INDICATED WITH SENSOR OPERATED FLUSH VALVES SHALL INCLUDE METAL COVER AND MANUAL OVERRIDE BUTTON.

THERMOSTATIC MIXING VALVE SCHEDULE

1 PROVIDED WITH STAINLESS STEEL, RECESSED CABINET ASSEMBLY 2 PROVIDED WITH PAINTED, SURFACE MOUNT CABINET ASSEMBLY. VERIFY WITH ARCHITECTURAL SPECIFICATIONS FOR COLOR.

FLOWRATE CAPACITY | PRESSURE DROP | INLET HOT WATER | INLET COLD WATER | LEAVING WATER | TEMPERATURE (°F) | TEMPERATURE (°F) | MANUFACTURER AND MODEL NUMBER | REMARKS

Copyright 2020 BYSParchitects

www.summitmep.com

GENERAL NOTES

- 1. SANITARY WASTE & VENT AND DOMESTIC HOT & COLD WATER SYSTEMS INDICATED ARE ESTIMATED LOCATIONS AND SIZES BASED UPON LIMITED SITE OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE EACH EXISTING SYSTEM PRIOR TO WORK. NOTIFY ARCHITECT IF DISCREPANCIES ARE FOUND THAT PREVENT COMPLETION OF WORK INTENDED IN THESE CONSTRUCTION DOCUMENTS.
- BEFORE SAW CUTTING EXISTING CONCRETE SLAB OR EXCAVATING FOR NEW PIPE INSTALLATION THE CONTRACTOR SHALL FIELD VERIFY, LOCATE EACH EXISTING SYSTEM AND VERIFY FLOW LINE ELEVATIONS OF EXISTING SANITARY SEWER AND DETERMINE IF THE PROPOSED INVERT ELEVATIONS SHALL ALLOW FOR MINIMUM PIPE SLOPES PER APPLICABLE CODES. NEW SANITARY SEWER LINES SHALL NOT PENETRATE EXISTING CONCRETE GRADE BEAMS AT ANY POINT. IF DISCREPANCIES ARE FOUND, REPORT TO THE ARCHITECT/ENGINEER. PROVIDE AS-BUILT DRAWINGS UPON COMPLETION.
- 3. SAW CUT EXISTING CONCRETE SLAB AS REQUIRED FOR THE INSTALLATION OF NEW UNDER FLOOR PIPING. CONTRACTOR SHALL PATCH EXISTING CONCRETE SLAB AFTER INSTALLATION OF UNDER FLOOR PIPING TO MATCH EXISTING CONSTRUCTION.

NOTES BY SYMBOL "#"

- DASHED LINE INDICATES APPROXIMATE EXTENT OF CONCRETE SLAB TO BE SAW CUT FOR DEMOLITION OF EXISTING UNDER FLOOR PLUMBING PIPING AND/OR INSTALLATION OF NEW UNDER FLOOR PLUMBING PIPING. CONTRACTOR SHALL COORDINATE WITH NEW CONSTRUCTION DOCUMENTS FOR ADDITIONAL INFORMATION.
- SINGLE LINE HATCHED AREA REPRESENTS PORTION OF EXISTING 1'-0" DEEP CONCRETE THICKENED SLAB.
- OUBLE CROSS HATCHED AREA REPRESENTS PORTION OF EXISTING 2'-0" DEEP CONCRETE GRADE BEAM. NEW SANITARY SEWER LINES SHALL NOT PENETRATE EXISTING CONCRETE GRADE BEAMS AT ANY POINT.
- REMOVE EXISTING PLUMBING PIPE TO BELOW CONCRETE SLAB AND CAP.
- 5 EXISTING 2 1/2" DOMESTIC COLD WATER UP TO REMAIN.
- REMOVE EXISTING CONCRETE SAND TRAP COMPLETE. CAP ASSOCIATED WASTE AND VENT PIPE BELOW CONCRETE SLAB.
- (7) EXISTING 6" FIRE SUPPRESSION WATER UP TO REMAIN.

MSU TEXAS

BYS PARCHITECTS

1005 Ninth Street - Suite 200 Wichita Falls, Texas 76301 (940) 761-2404

DRAWN BY

HACKBUSCH,3

CHECKED BY

BDR

DATE

DATE

08/24/2020

PROJECT NO.

18071

FIRST FLOOR UNDER

FIRST FLOOR UNDER
C O N S U L T A N T S , I N C .
Texas BPE Registration # F-207
O Summit Avenue 4144 N. Central Expwy e 500
Suite 635
Worth, Texas 76102
Dallas, Texas 75204

Office 214.420.9111

Copyright 2020 BYSParchitects

Texas BPE Regi 1300 Summit Avenue Suite 500 Fort Worth, Texas 76102 Office 817.878.4242 www.summitmep.com

BRIAN D. RICHARDS

S:\P20118 - MSU Daniels Bldg\Plum\P20118 P100.dwg : P100 08/24/20 07:59:57 hch SHFFT SI7F = ARCH F1 30X12

CHECKED BY 08/24/2020 PROJECT NO.

FIRST FLOOR DEMOLITION PLUMBING PLAN 1300 Summit Avenue 4144 N. Central Expwy

C O N S U L T A N T S , I N C . Texas BPE Registration # F-207

Dallas, Texas 75204

Office 214.420.9111

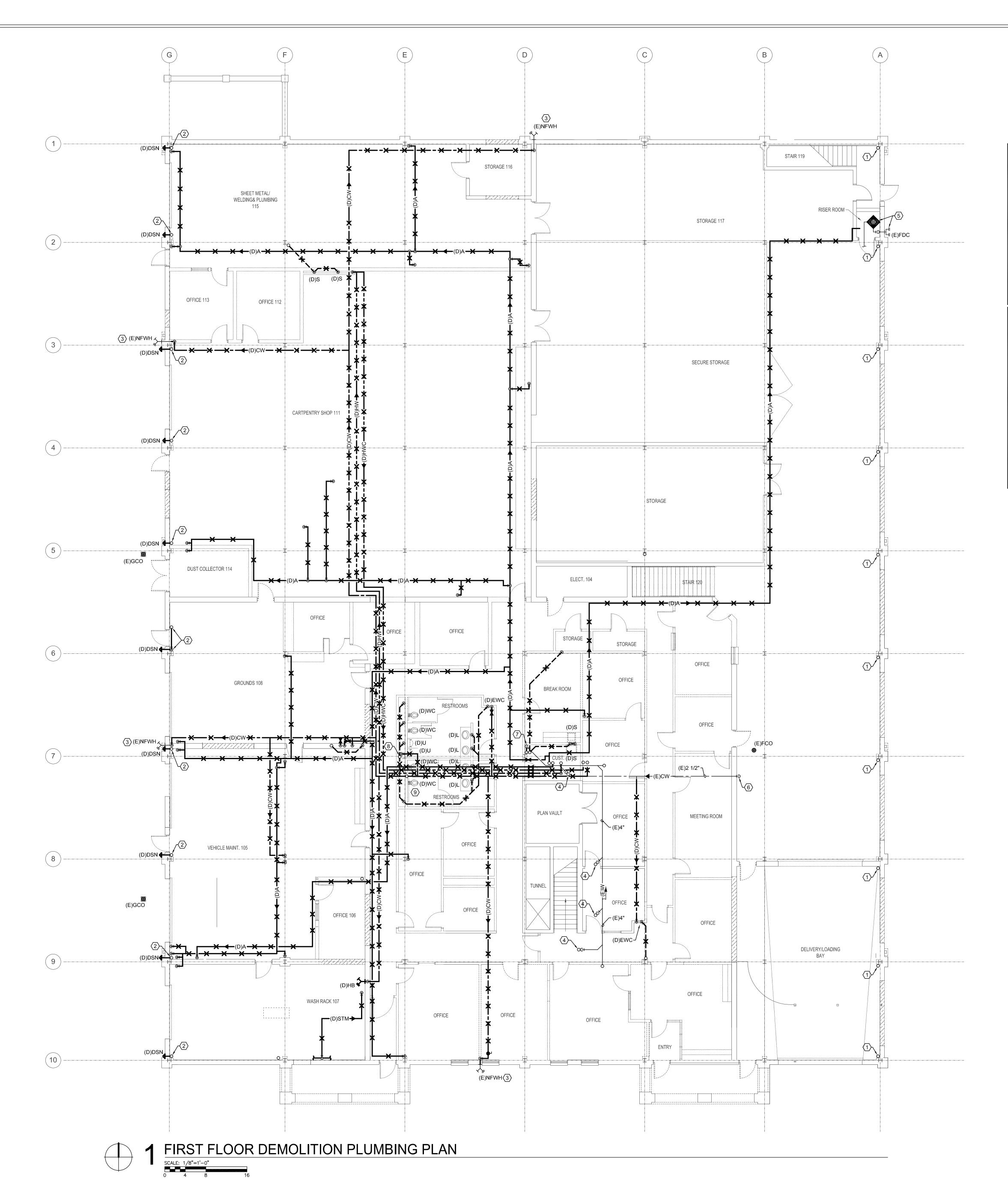
Copyright 2020 BYSParchitects

Suite 500

Fort Worth, Texas 76102

Office 817.878.4242

www.summitmep.com



GENERAL NOTES

- SANITARY WASTE & VENT AND DOMESTIC HOT & COLD WATER SYSTEMS INDICATED ARE ESTIMATED LOCATIONS AND SIZES BASED UPON LIMITED SITE OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE EACH EXISTING SYSTEM PRIOR TO WORK. NOTIFY ARCHITECT IF DISCREPANCIES ARE FOUND THAT PREVENT COMPLETION OF WORK INTENDED IN THESE CONSTRUCTION DOCUMENTS.
- BEFORE SAW CUTTING EXISTING CONCRETE SLAB OR EXCAVATING FOR NEW PIPE INSTALLATION THE CONTRACTOR SHALL FIELD VERIFY, LOCATE EACH EXISTING SYSTEM AND VERIFY FLOW LINE ELEVATIONS OF EXISTING SANITARY SEWER AND DETERMINE IF THE PROPOSED INVERT ELEVATIONS SHALL ALLOW FOR MINIMUM PIPE SLOPES PER APPLICABLE CODES. NEW SANITARY SEWER LINES SHALL NOT PENETRATE EXISTING CONCRETE GRADE BEAMS AT ANY POINT. IF DISCREPANCIES ARE FOUND, REPORT TO THE ARCHITECT/ENGINEER. PROVIDE AS-BUILT DRAWINGS UPON COMPLETION.
- SAW CUT EXISTING CONCRETE SLAB AS REQUIRED FOR THE INSTALLATION OF NEW UNDER FLOOR PIPING. CONTRACTOR SHALL PATCH EXISTING CONCRETE SLAB AFTER INSTALLATION OF UNDER FLOOR PIPING TO MATCH EXISTING CONSTRUCTION.

NOTES BY SYMBOL "#"

- REMOVE EXISTING STORM DRAIN COMPLETE.
- $\langle 2 \rangle$ REMOVE EXISTING STORM DRAIN AND DOWNSPOUT NOZZLE COMPLETE. $\sqrt{3}$ EXISTING NON-FREEZE WALL HYDRANT TO REMAIN.
- 4 EXISTING FLOOR DRAIN ABOVE TO REMAIN.
- TEMOVE EXISTING DRY-PIPE ALARM VALVE COMPLETE. EXISTING FIRE DEPARTMENT CONNECTION TO REMAIN. REFER TO FIRE SUPPRESSION DRAWINGS FOR ADDITIONAL INFORMATION.
- $|\langle 6 \rangle|$ EXISTING 2 1/2" DOMESTIC COLD WATER DOWN TO REMAIN.
- (7) REMOVE PORTION OF EXISTING SANITARY SEWER WASTE PIPING DOWN. REWORK EXISTING SANITARY SEWER WASTE PIPING AS REQUIRED FOR THE INSTALLATION OF NEW SANITARY SEWER WASTE PIPING. REFER NEW CONSTRUCTION DRAWINGS FOR ADDITIONAL INFORMATION.
- 8 EXISTING 4" SANITARY SEWER VENT TO REMAIN.
- © CAP SANITARY SEWER AND DOMESTIC COLD WATER UP TO EXISTING SINK TO REMAIN ON SECOND FLOOR. CONTRACTOR VERIFY EXACT LOCATION.

CHECKED BY 08/24/2020 PROJECT NO.

SECOND FLOOR DEMOLITION PLUMBING C O N S U L T A N T S , I N C . Texas BPE Registration # F-207 1300 Summit Avenue 4144 N. Central Expwy



5

6

7

8

9

10

GENERAL NOTES

- SANITARY WASTE & VENT AND DOMESTIC HOT & COLD WATER SYSTEMS INDICATED ARE ESTIMATED LOCATIONS AND SIZES BASED UPON LIMITED SITE OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE EACH EXISTING SYSTEM PRIOR TO WORK. NOTIFY ARCHITECT IF DISCREPANCIES ARE FOUND THAT PREVENT COMPLETION OF WORK INTENDED IN THESE CONSTRUCTION DOCUMENTS.
- BEFORE SAW CUTTING EXISTING CONCRETE SLAB OR EXCAVATING FOR NEW PIPE INSTALLATION THE CONTRACTOR SHALL FIELD VERIFY, LOCATE EACH EXISTING SYSTEM AND VERIFY FLOW LINE ELEVATIONS OF EXISTING SANITARY SEWER AND DETERMINE IF THE PROPOSED INVERT ELEVATIONS SHALL ALLOW FOR MINIMUM PIPE SLOPES PER APPLICABLE CODES. NEW SANITARY SEWER LINES SHALL NOT PENETRATE EXISTING CONCRETE GRADE BEAMS AT ANY POINT. IF DISCREPANCIES ARE FOUND, REPORT TO THE ARCHITECT/ENGINEER. PROVIDE AS-BUILT DRAWINGS UPON COMPLETION.
- SAW CUT EXISTING CONCRETE SLAB AS REQUIRED FOR THE INSTALLATION OF NEW UNDER FLOOR PIPING. CONTRACTOR SHALL PATCH EXISTING CONCRETE SLAB AFTER INSTALLATION OF UNDER FLOOR PIPING TO MATCH EXISTING CONSTRUCTION.

NOTES BY SYMBOL "#"

- REMOVE EXISTING SANITARY SEWER VENT COMPLETE.
- $\langle 2 \rangle$ EXISTING SANITARY SEWER VENT TO REMAIN.
- (3) EXISTING WATER HEATER, MIXING VALVE AND CIRCULATION PUMP TO BE REMOVED COMPLETE.
- $\boxed{4}$ EXISTING AIR COMPRESSOR, AIR DRYER AND ASSOCIAED DEVICES TO BE REMOVED COMPLETE.
- $| 5 \rangle$ REMOVE EXISTING STORM DRAIN COMPLETE.
- $||\langle 6 \rangle|$ CAP EXISTING 1/2" DOMESTIC HOT WATER.
- $||\langle 7 \rangle|$ CAP EXISTING SANITARY SEWER AND DOMESTIC COLD WATER TO EXISTING SINK TO REMAIN.

Suite 500 Fort Worth, Texas 76102 Office 817.878.4242

www.summitmep.com

Dallas, Texas 75204 Office 214.420.9111 Copyright 2020 BYSParchitects

STOR. A109

S.L. RECEPTION

B102

STORAGE B104

ENTRY LOBBY

VESTIBULE

A101

CORRIDOR A112

STUDENT LEADERSHIP

SUITE "B" B101

STUDY C107

10

S.L. ASST. DIR. OFFICE A114

DIRECTOR OFFICE

SHARED MTG ROOM A115

FIRST FLOOR UNDER FLOOR PLUMBING PLAN

ROOM A113



HACKBUSCH,3

DRAWN BY CHECKED BY 08/24/2020

PROJECT NO.

FLOOR PLUMBING PLAN

C O N S U L T A N T S , I N C . Texas BPE Registration # F-207 1300 Summit Avenue 4144 N. Central Expwy Suite 500 Fort Worth, Texas 76102 Dallas, Texas 75204

Office 214.420.9111

Copyright 2020 BYSParchitects

Office 817.878.4242

www.summitmep.com

FIRST FLOOR PLUMBING PLAN 4144 N. Central Expwy

C O N S U L T A N T S , I N C . Texas BPE Registration # F-207

Dallas, Texas 75204

Office 214.420.9111

Copyright 2020 BYSParchitects

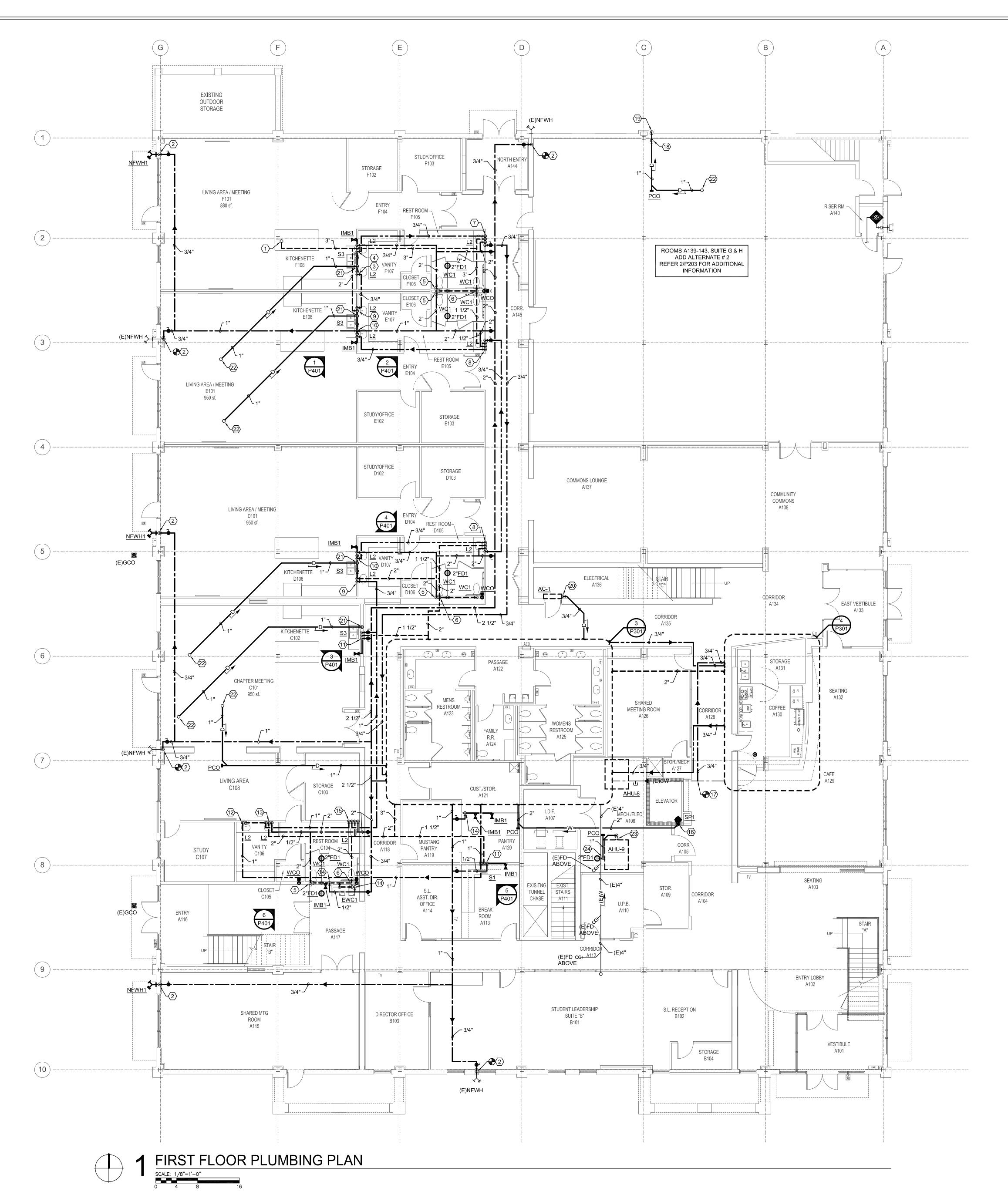
1300 Summit Avenue

Fort Worth, Texas 76102

Office 817.878.4242

www.summitmep.com

Suite 500



GENERAL NOTES

- SANITARY WASTE & VENT AND DOMESTIC HOT & COLD WATER SYSTEMS INDICATED ARE ESTIMATED LOCATIONS AND SIZES BASED UPON LIMITED SITE OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE EACH EXISTING SYSTEM PRIOR TO WORK. NOTIFY ARCHITECT IF DISCREPANCIES ARE FOUND THAT PREVENT COMPLETION OF WORK INTENDED IN THESE CONSTRUCTION DOCUMENTS.
- BEFORE SAW CUTTING EXISTING CONCRETE SLAB OR EXCAVATING FOR NEW PIPE INSTALLATION THE CONTRACTOR SHALL FIELD VERIFY, LOCATE EACH EXISTING SYSTEM AND VERIFY FLOW LINE ELEVATIONS OF EXISTING SANITARY SEWER AND DETERMINE IF THE PROPOSED INVERT ELEVATIONS SHALL ALLOW FOR MINIMUM PIPE SLOPES PER APPLICABLE CODES. NEW SANITARY SEWER LINES SHALL NOT PENETRATE EXISTING CONCRETE GRADE BEAMS AT ANY POINT. IF DISCREPANCIES ARE FOUND, REPORT TO THE ARCHITECT/ENGINEER. PROVIDE AS-BUILT DRAWINGS UPON COMPLETION.
- SAW CUT EXISTING CONCRETE SLAB AS REQUIRED FOR THE INSTALLATION OF NEW UNDER FLOOR PIPING. CONTRACTOR SHALL PATCH EXISTING CONCRETE SLAB AFTER INSTALLATION OF UNDER FLOOR PIPING TO MATCH EXISTING CONSTRUCTION.
- 4. CONTRACTORS TO USE ROOM IDENTIFICATION PER ARCHITECTURAL SHEET A105 FOR ALL REQUIRED LABELING.

NOTES BY SYMBOL "#"

- $| \langle 1 \rangle |$ 3" SANITARY SEWER VENT UP.
- $\langle 2 \rangle$ 3/4" DOMESTIC COLD WATER DOWN.
- $|3\rangle$ 3/4" DOMESTIC HOT WATER DOWN.
- $\overline{\langle 4 \rangle}$ 3/4" DOMESTIC COLD WATER & 3/4" DOMESTIC HOT WATER AND 2" SANITARY SEWER DOWN.
- $| \langle 5 \rangle |$ 2" DOMESTIC COLD WATER DOWN.
- $||\langle 6 \rangle||$ 2" SANITARY SEWER VENT DOWN.
- $|\langle 7 \rangle|$ 1/2" DOMESTIC COLD WATER, 3/4" DOMESTIC HOT WATER, 3/4" DOMESTIC HOT WATER CIRCULATION AND 1 1/2" SANITARY SEWER VENT DOWN.
- 8 1/2" DOMESTIC COLD WATER, (2)-3/4" DOMESTIC HOT WATER AND 1 1/2" SANITARY SEWER VENT DOWN.
- 3/4" DOMESTIC HOT WATER AND 2" SANITARY SEWER VENT DOWN.
- 10 3/4" DOMESTIC COLD WATER AND 3/4" DOMESTIC HOT WATER DOWN.
- 1/2" DOMESTIC COLD WATER , 1/2" DOMESTIC HOT WATER AND 1 1/2" SANITARY
- $||\langle 12\rangle|$ 1" DOMESTIC HOT WATER DOWN.
- | (13) 1/2" DOMESTIC COLD WATER, 1" DOMESTIC HOT WATER AND 2" SANITARY SEWER
- (14) 1/2" DOMESTIC COLD WATER DOWN.
- 1/2" DOMESTIC COLD WATER , (2)-1" DOMESTIC HOT WATER AND 1 1/2" SANITARY SEWER DOWN.
- 2" ELEVATOR SUMP PUMP DRAIN DOWN. REFER DETAIL 3/P501.
- CONNECT NEW 3/4" DOMESTIC COLD WATER TO EXISTING 2 1/2" DOMESTIC COLD
- (18) 1" CONDENSATE DRAIN DOWN.
- (19) 1" CONDENSATE DRAIN DOWN. DISCHARGE CONDENSATE DRAIN 6" MIN. ABOVE FINISHED GRADE.
- 3/4" CONDENSATE DRAIN DOWN TO WALL MOUNTED AIR CONDITIONER CONDENSATE PUMP.
- 1" CONDENSATE DRAIN DOWN TO BRANCH TAIL PIECE OF SINK. REFER DETAIL
- 22 1" CONDENSATE DRAIN UP.
- 23 TYPICAL CONDENSATE CONNECTION. REFER DETAIL 5/P501.
- (24) 1" CONDENSATE DRAIN DOWN TO INDIRECT DISCHARGE AT FLOOR DRAIN. DISCHARGE CONDENSATE DRAIN 1" ABOVE FLOOD RIM OF FLOOR DRAIN.

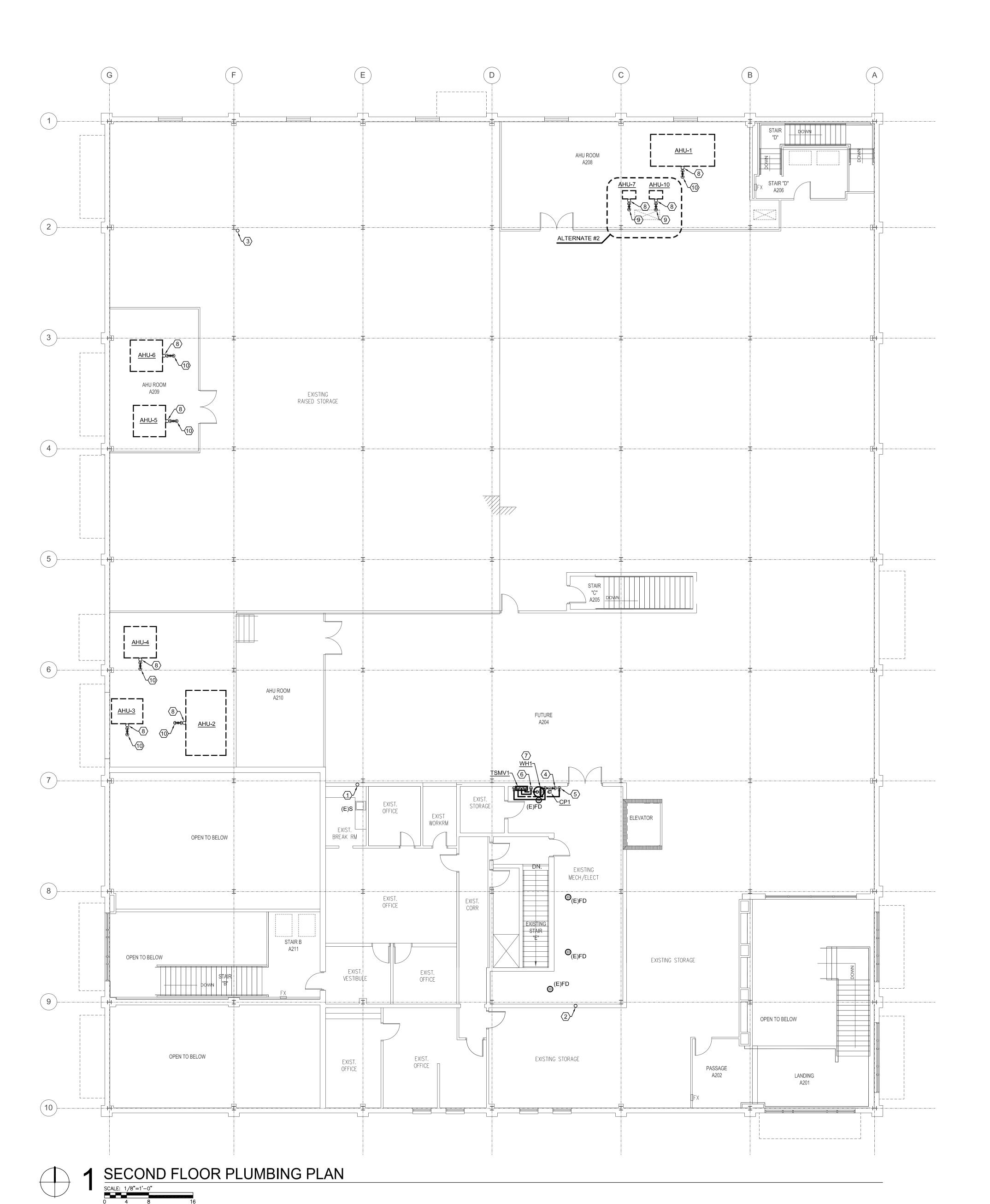
18071

PROJECT NO. SECOND FLOOR PLUMBING PLAN

Dallas, Texas 75204



Copyright 2020 BYSParchitects





- SANITARY WASTE & VENT AND DOMESTIC HOT & COLD WATER SYSTEMS INDICATED ARE ESTIMATED LOCATIONS AND SIZES BASED UPON LIMITED SITE OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE EACH EXISTING SYSTEM PRIOR TO WORK. NOTIFY ARCHITECT IF DISCREPANCIES ARE FOUND THAT PREVENT COMPLETION OF WORK INTENDED IN THESE CONSTRUCTION DOCUMENTS.
- BEFORE SAW CUTTING EXISTING CONCRETE SLAB OR EXCAVATING FOR NEW PIPE INSTALLATION THE CONTRACTOR SHALL FIELD VERIFY, LOCATE EACH EXISTING SYSTEM AND VERIFY FLOW LINE ELEVATIONS OF EXISTING SANITARY SEWER AND DETERMINE IF THE PROPOSED INVERT ELEVATIONS SHALL ALLOW FOR MINIMUM PIPE SLOPES PER APPLICABLE CODES. NEW SANITARY SEWER LINES SHALL NOT PENETRATE EXISTING CONCRETE GRADE BEAMS AT ANY POINT. IF DISCREPANCIES ARE FOUND, REPORT TO THE ARCHITECT/ENGINEER. PROVIDE AS-BUILT DRAWINGS UPON COMPLETION.
- SAW CUT EXISTING CONCRETE SLAB AS REQUIRED FOR THE INSTALLATION OF NEW UNDER FLOOR PIPING. CONTRACTOR SHALL PATCH EXISTING CONCRETE SLAB AFTER INSTALLATION OF UNDER FLOOR PIPING TO MATCH EXISTING CONSTRUCTION.
- 4. CONTRACTORS TO USE ROOM IDENTIFICATION PER ARCHITECTURAL SHEET A105 FOR ALL REQUIRED LABELING.

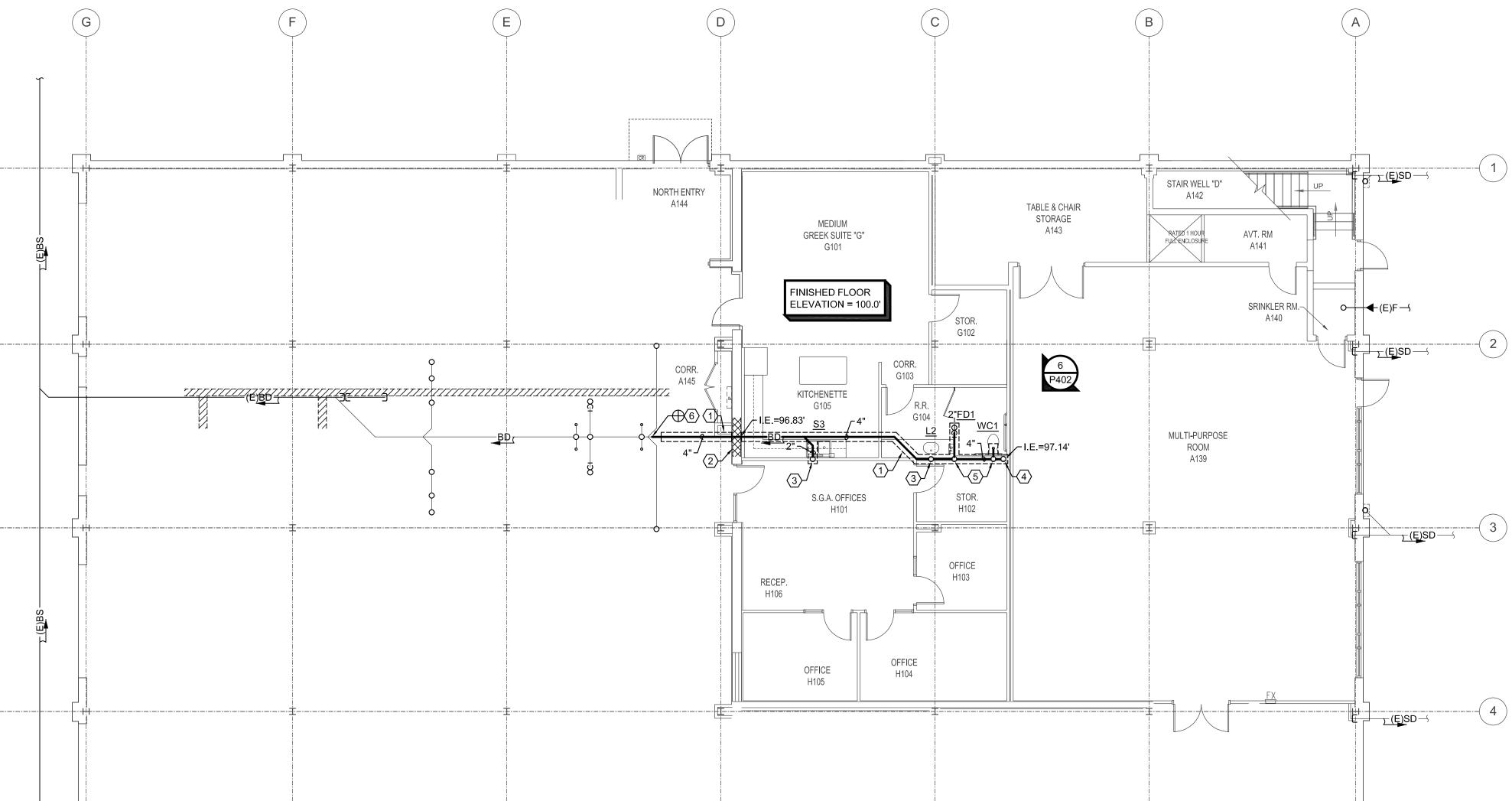
NOTES BY SYMBOL "#"

- $||\langle 1 \rangle|$ EXISTING 4" SANITARY SEWER VENT UP THRU ROOF.
- $\langle 2 \rangle$ EXISTING 3" SANITARY SEWER VENT UP THRU ROOF.
- $\sqrt{3}$ NEW 3" SANITARY SEWER VENT UP THRU ROOF.
- $\boxed{4}$ 1" HOT WATER CIRCULATION DOWN. REFER 3/P301 FOR CONTINUATION.
- $||5\rangle$ 1 1/2" DOMESTIC COLD WATER DOWN. REFER 3/P301 FOR CONTINUATION. 6 1 1/2" DOMESTIC HOT WATER DOWN. REFER 3/P301 FOR CONTINUATION.
- T ELECTRIC WATER HEATER <u>WH1</u>, THERMOSTATIC MIXING VALVE <u>TSMV1</u> AND CIRCULATION PUMP <u>CP1</u>. REFER DETAIL 4/P501.
- 8 TYPICAL CONDENSATE CONNECTION. REFER DETAIL 5/P501.
- $|9\rangle$ 3/4" CONDENSATE DRAIN DOWN THRU FLOOR. REFER P201 FOR CONTINUATION.
- 1" CONDENSATE DRAIN DOWN THRU FLOOR. REFER P201 FOR CONTINUATION.

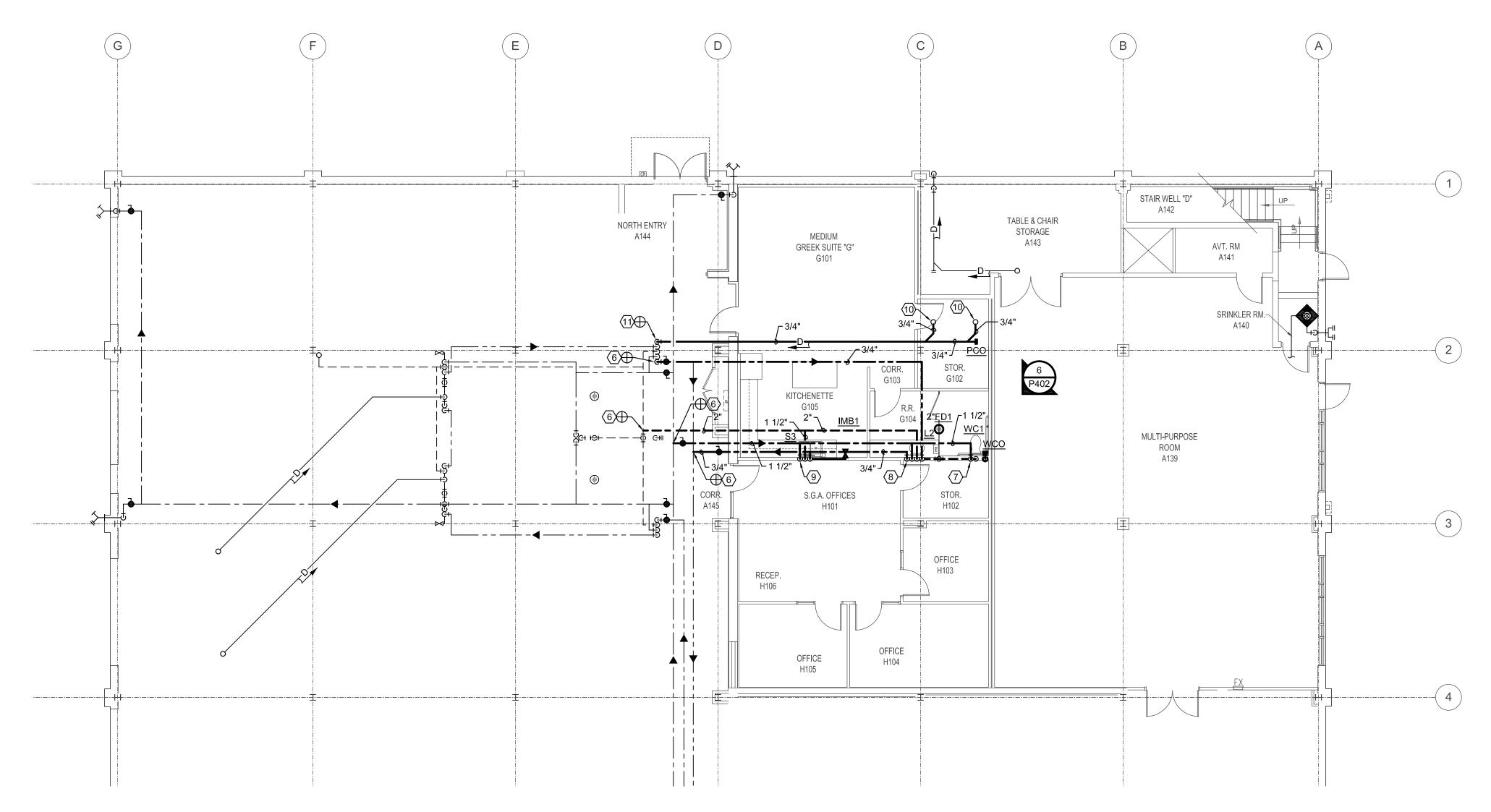
08/24/2020 PROJECT NO. 18071 FIRST FLOOR PLUMBING PLANS ALTERNATE #2

Copyright 2020 BYSParchitects

4144 N. Central Expwy Dallas, Texas 75204 Office 214.420.9111



FIRST FLOOR UNDER FLOOR PLUMBING PLAN - ALTERNATE #2



7 FIRST FLOOR PLUMBING PLAN - ALTERNATE #2

GENERAL NOTES

SANITARY WASTE & VENT AND DOMESTIC HOT & COLD WATER SYSTEMS INDICATED ARE ESTIMATED LOCATIONS AND SIZES BASED UPON LIMITED SITE OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE EACH EXISTING SYSTEM PRIOR TO WORK. NOTIFY ARCHITECT IF DISCREPANCIES ARE FOUND THAT PREVENT COMPLETION OF WORK INTENDED IN THESE CONSTRUCTION DOCUMENTS.

BEFORE SAW CUTTING EXISTING CONCRETE SLAB OR EXCAVATING FOR NEW PIPE INSTALLATION THE CONTRACTOR SHALL FIELD VERIFY, LOCATE EACH EXISTING SYSTEM AND VERIFY FLOW LINE ELEVATIONS OF EXISTING SANITARY SEWER AND DETERMINE IF THE PROPOSED INVERT ELEVATIONS SHALL ALLOW FOR MINIMUM PIPE SLOPES PER APPLICABLE CODES. NEW SANITARY SEWER LINES SHALL NOT PENETRATE EXISTING CONCRETE GRADE BEAMS AT ANY POINT. IF DISCREPANCIES ARE FOUND, REPORT TO THE ARCHITECT/ENGINEER. PROVIDE AS-BUILT DRAWINGS UPON COMPLETION.

SAW CUT EXISTING CONCRETE SLAB AS REQUIRED FOR THE INSTALLATION OF NEW UNDER FLOOR PIPING. CONTRACTOR SHALL PATCH EXISTING CONCRETE SLAB AFTER INSTALLATION OF UNDER FLOOR PIPING TO MATCH EXISTING CONSTRUCTION.

4. CONTRACTORS TO USE ROOM IDENTIFICATION PER ARCHITECTURAL SHEET A105 FOR ALL REQUIRED LABELING.

NOTES BY SYMBOL "(#)"

1 DASHED LINE INDICATES APPROXIMATE EXTENT OF CONCRETE SLAB TO BE SAW CUT FOR DEMOLITION OF EXISTING UNDER FLOOR PLUMBING PIPING AND/OR INSTALLATION OF NEW UNDER FLOOR PLUMBING PIPING. CONTRACTOR SHALL COORDINATE WITH NEW CONSTRUCTION DOCUMENTS FOR ADDITIONAL INFORMATION.

2 DOUBLE CROSS HATCHED AREA REPRESENTS PORTION OF EXISTING 2'-0" DEEP CONCRETE GRADE BEAM. NEW SANITARY SEWER LINES SHALL NOT PENETRATE EXISTING CONCRETE GRADE BEAMS AT ANY POINT.

 $\sqrt{3}$ 2" SANITARY SEWER UP.

 $\langle 4 \rangle$ 4" SANITARY SEWER UP.

 $\sqrt{5}$ 2" SANITARY SEWER VENT UP.

6 CONNECTION POINT OF ALTERNATE #2 TO BASE BID.

 $| \langle 7 \rangle$ 1 1/2" DOMESTIC COLD WATER DOWN.

8 1/2" DOMESTIC COLD WATER, (2)-3/4" DOMESTIC HOT WATER AND 2" SANITARY SEWER VENT DOWN.

(9) 1/2" DOMESTIC COLD WATER, 1/2" DOMESTIC HOT WATER AND 1 1/2" SANITARY SEWER VENT DOWN.

(10) 3/4" CONDENSATE DRAIN UP. REFER SHEET P202 FOR CONTINUATION.

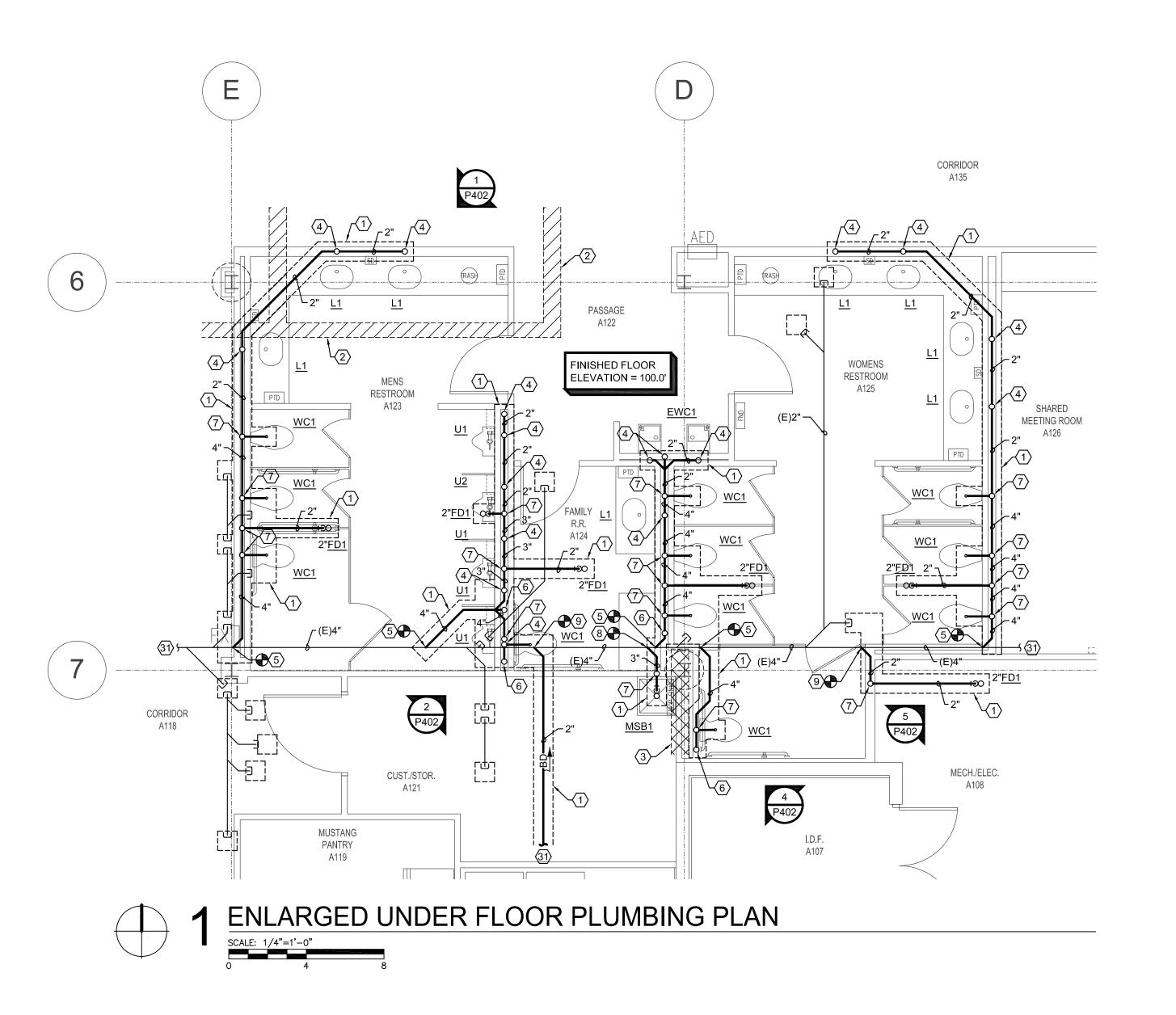
(11) 3/4" CONDENSATE DRAIN DOWN TO BRANCH TAIL PIECE OF LAVATORY. REFER DETAIL 6/P501.

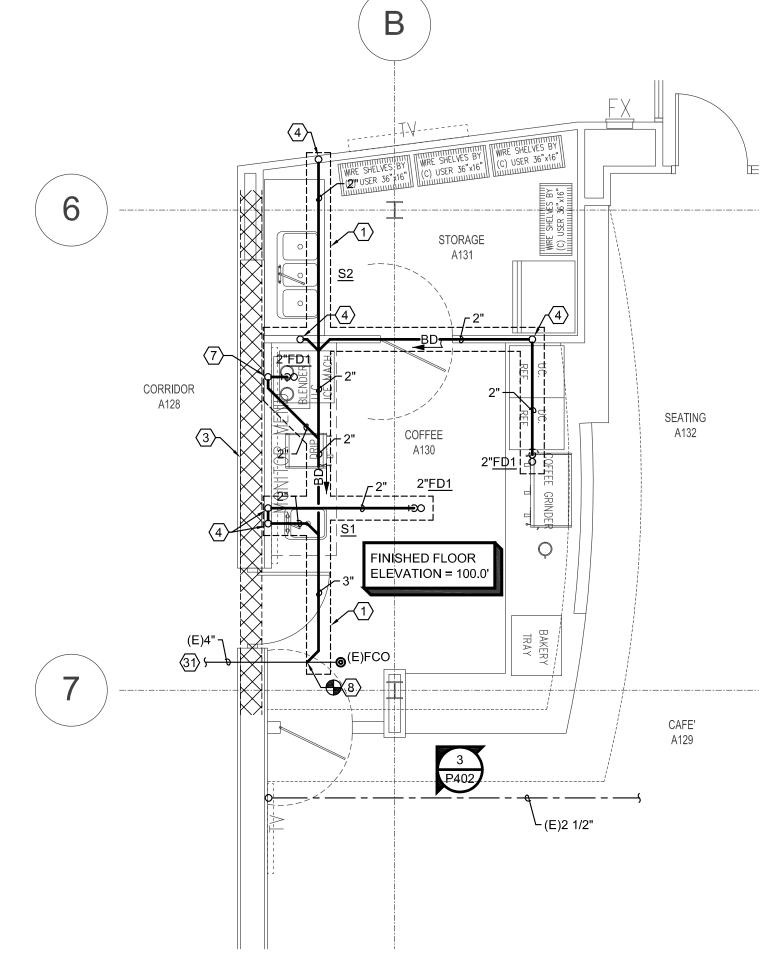
C O N S U L T A N T S , I N C . Texas BPE Registration # F-207 1300 Summit Avenue Suite 500 Fort Worth, Texas 76102 Office 817.878.4242 www.summitmep.com

BDR

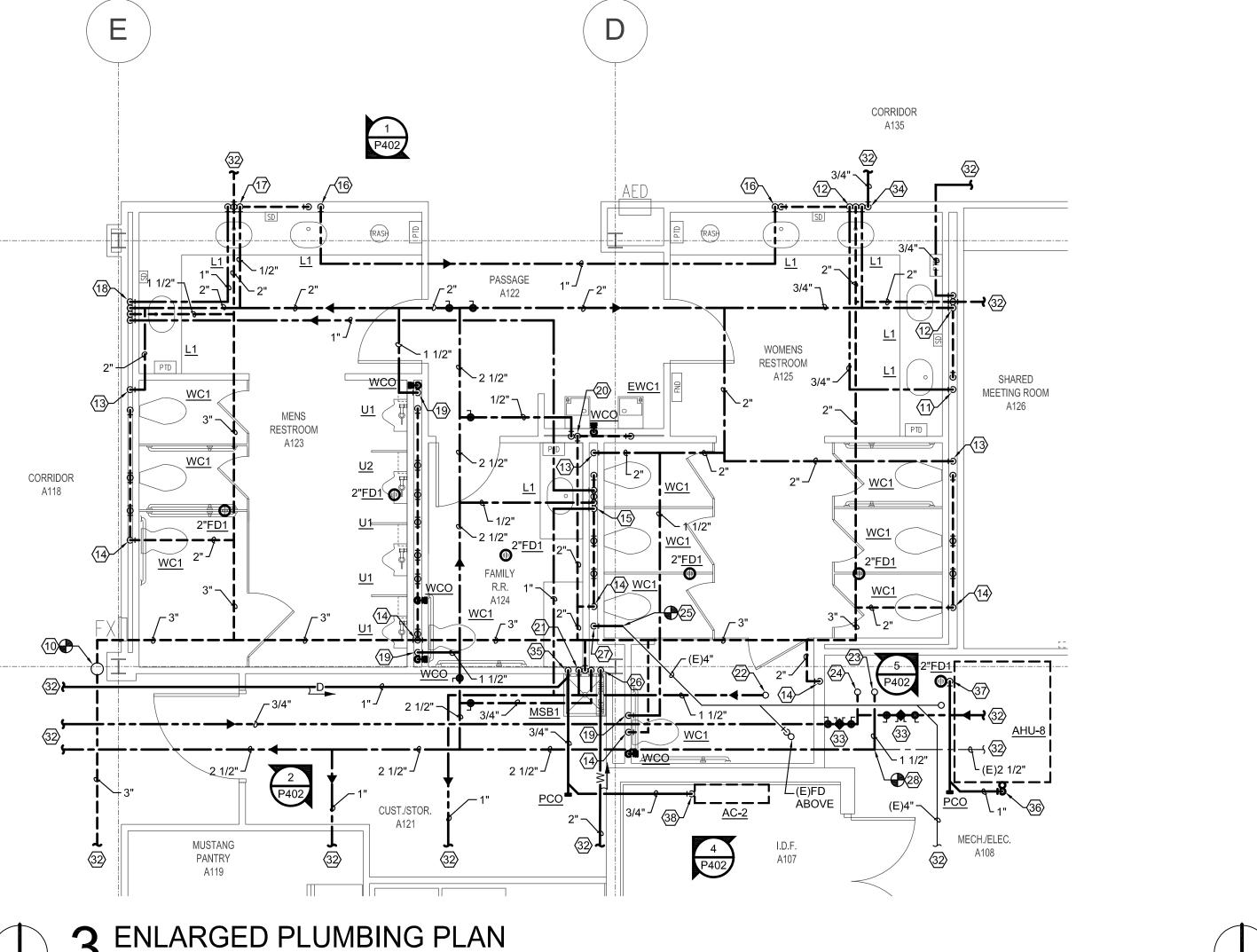


Copyright 2020 BYSParchitects

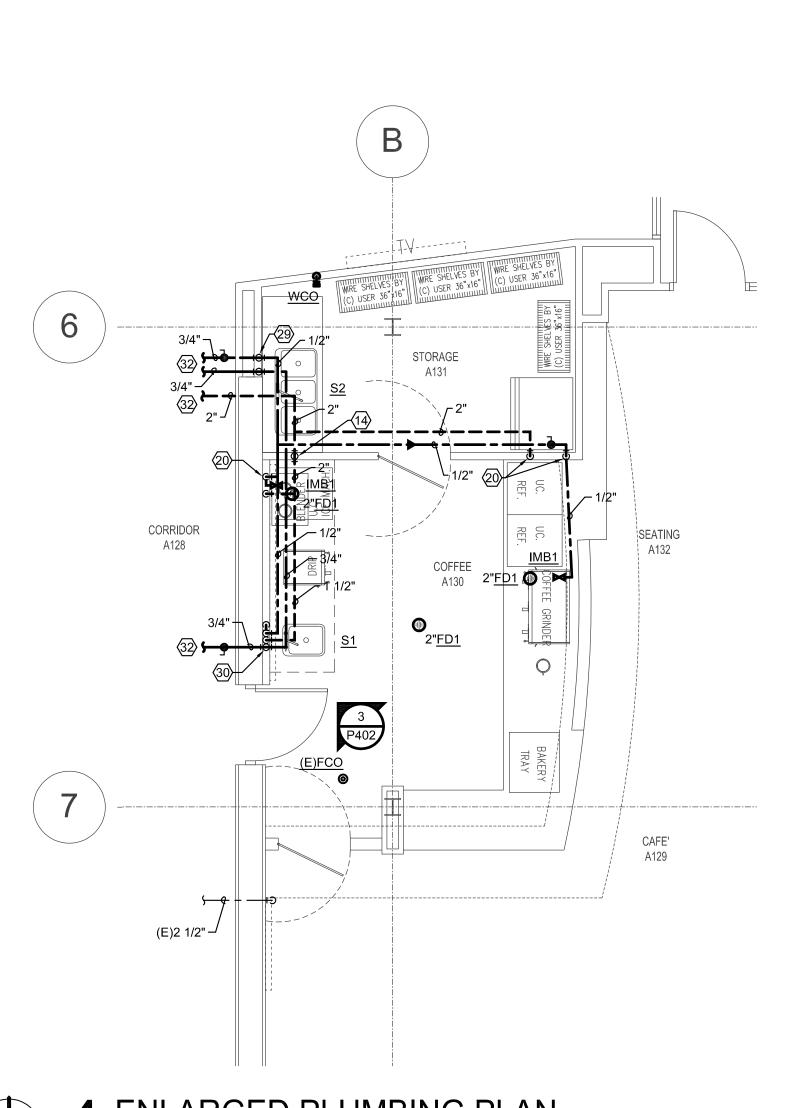




ENLARGED UNDER FLOOR PLUMBING PLAN



6



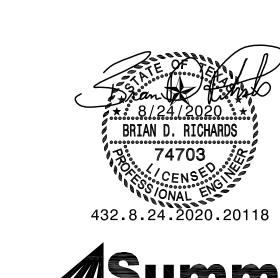
4 ENLARGED PLUMBING PLAN

GENERAL NOTES

- SANITARY WASTE & VENT AND DOMESTIC HOT & COLD WATER SYSTEMS INDICATED ARE ESTIMATED LOCATIONS AND SIZES BASED UPON LIMITED SITE OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE EACH EXISTING SYSTEM PRIOR TO WORK. NOTIFY ARCHITECT IF DISCREPANCIES ARE FOUND THAT PREVENT COMPLETION OF WORK INTENDED IN THESE CONSTRUCTION DOCUMENTS.
- BEFORE SAW CUTTING EXISTING CONCRETE SLAB OR EXCAVATING FOR NEW PIPE INSTALLATION THE CONTRACTOR SHALL FIELD VERIFY, LOCATE EACH EXISTING SYSTEM AND VERIFY FLOW LINE ELEVATIONS OF EXISTING SANITARY SEWER AND DETERMINE IF THE PROPOSED INVERT ELEVATIONS SHALL ALLOW FOR MINIMUM PIPE SLOPES PER APPLICABLE CODES. NEW SANITARY SEWER LINES SHALL NOT PENETRATE EXISTING CONCRETE GRADE BEAMS AT ANY POINT. IF DISCREPANCIES ARE FOUND, REPORT TO THE ARCHITECT/ENGINEER. PROVIDE AS-BUILT DRAWINGS UPON COMPLETION.
- SAW CUT EXISTING CONCRETE SLAB AS REQUIRED FOR THE INSTALLATION OF NEW UNDER FLOOR PIPING. CONTRACTOR SHALL PATCH EXISTING CONCRETE SLAB AFTER INSTALLATION OF UNDER FLOOR PIPING TO MATCH EXISTING CONSTRUCTION.
- CONTRACTORS TO USE ROOM IDENTIFICATION PER ARCHITECTURAL SHEET A105 FOR ALL REQUIRED LABELING.

NOTES BY SYMBOL "#"

- 1) DASHED LINE INDICATES APPROXIMATE EXTENT OF CONCRETE SLAB TO BE SAW CUT FOR DEMOLITION OF EXISTING UNDER FLOOR PLUMBING PIPING AND/OR INSTALLATION OF NEW UNDER FLOOR PLUMBING PIPING. CONTRACTOR SHALL COORDINATE WITH NEW CONSTRUCTION DOCUMENTS FOR ADDITIONAL INFORMATION.
- (2) SINGLE LINE HATCHED AREA REPRESENTS PORTION OF EXISTING 1'-0" DEEP CONCRETE THICKENED SLAB.
- (3) DOUBLE CROSS HATCHED AREA REPRESENTS PORTION OF EXISTING 2'-0" DEEP CONCRETE GRADE BEAM. NEW SANITARY SEWER LINES SHALL NOT PENETRATE EXISTING CONCRETE GRADE BEAMS AT ANY POINT.
- $||\langle 4 \rangle|$ 2" SANITARY SEWER UP.
- (5) CONNECT NEW 4" SANITARY SEWER TO EXISTING 4" SANITARY SEWER BELOW CONCRETE SLAB.
- $|\langle 6 \rangle|$ 4" SANITARY SEWER UP.
- $|\langle 7 \rangle|$ 2" SANITARY SEWER VENT UP.
- $\langle 8 \rangle$ CONNECT NEW 3" SANITARY SEWER TO EXISTING 4" SANITARY SEWER BELOW
- CONCRETE SLAB.
- © CONNECT NEW 2" SANITARY SEWER TO EXISTING 4" SANITARY SEWER BELOW CONCRETE SLAB.
- CONNECT NEW 3" SANITARY SEWER VENT TO EXISTING 4" SANITARY SEWER VENT
- $|| \langle 11 \rangle |$ 3/4" DOMESTIC HOT WATER DOWN.
- | \(\frac{12}{12}\) 1/2" DOMESTIC COLD WATER & 3/4" DOMESTIC HOT WATER AND 2" SANITARY SEWER DOWN.
- (13) 2" DOMESTIC COLD WATER DOWN.
- (14) 2" SANITARY SEWER VENT DOWN.
- (15) 1/2" DOMESTIC COLD WATER AND (2)-1" DOMESTIC HOT WATER DOWN.
- $||\langle 16\rangle||$ 1" DOMESTIC HOT WATER DOWN.
- | | (17) 1/2" DOMESTIC COLD WATER, 1" DOMESTIC HOT WATER AND 2" SANITARY SEWER
- | \(\sqrt{18} \) 1/2" DOMESTIC COLD WATER , (2)-1" DOMESTIC HOT WATER AND 1 1/2" SANITARY SEWER DOWN.
- (19) 1 1/2" DOMESTIC COLD WATER DOWN.
- (20) 1/2" DOMESTIC COLD WATER AND 2" SANITARY SEWER VENT DOWN.
- ②1〉 3/4" DOMESTIC COLD WATER , 3/4" DOMESTIC HOT WATER AND 2" SANITARY SEWER DOWN.
- $|\langle 22 \rangle|$ 1 1/2" DOMESTIC HOT WATER UP. REFER P202 FOR CONTINUATION.
- (23) 1 1/2" DOMESTIC COLD WATER UP. REFER P202 FOR CONTINUATION.
- | (24) 1" DOMESTIC HOT WATER CIRCULATION UP. REFER P202 FOR CONTINUATION. | 25 CONNECT NEW 4" SANITARY WASTE TO EXISTING 4" SANITARY WASTE ABOVE
- 2" ELEVATOR SUMP PUMP DRAIN DOWN TO INDIRECT DISCHARGE AT MOP SINK.
- DISCHARGE SUMP PUMP DRAIN 1" MIN. ABOVE FLOOD RIM OF FLOOR MOUNTED
- $| | \langle \overline{27} \rangle |$ 4" SANITARY WASTE DOWN. REFER 1/P301 FOR CONTINUATION.
- CONNECT NEW 2 1/2" DOMESTIC COLD WATER TO EXISTING 2 1/2" DOMESTIC
- | (29) 1/2" DOMESTIC COLD WATER AND 1/2" DOMESTIC HOT WATER DOWN. (30) 1/2" DOMESTIC COLD WATER & 1/2" DOMESTIC HOT WATER AND 2" SANITARY
- SEWER DOWN. (31) REFER 1/P200 FOR CONTINUATION.
- $||\langle 32 \rangle|$ REFER 1/P201 FOR CONTINUATION.
- 33 BALANCING VALVE. SET TO 2 GPM.
- 34 3/4" CONDENSATE DRAIN DOWN TO BRANCH TAIL PIECE OF LAVATORY. REFER DETAIL 6/P501.
- (35) 1" CONDENSATE DRAIN DOWN TO INDIRECT DISCHARGE AT FLOOR MOUNTED MOP SINK. DISCHARGE CONDENSATE DRAIN 1" MIN ABOVE FLOOD RIM OF MOP SINK.
- (36) TYPICAL CONDENSATE CONNECTION. REFER DETAIL 5/P501.
- 1" CONDENSATE DRAIN DOWN TO INDIRECT DISCHARGE AT FLOOR DRAIN. DISCHARGE CONDENSATE DRAIN 1" ABOVE FLOOD RIM OF FLOOR DRAIN.
- 38 3/4" CONDENSATE DRAIN DOWN TO WALL MOUNTED AIR CONDITIONER CONDENSATE PUMP.



CONSULTANTS, INC. 1300 Summit Avenue Suite 500 Fort Worth, Texas 76102 Office 817.878.4242 www.summitmep.com

RISER DIAGRAMS

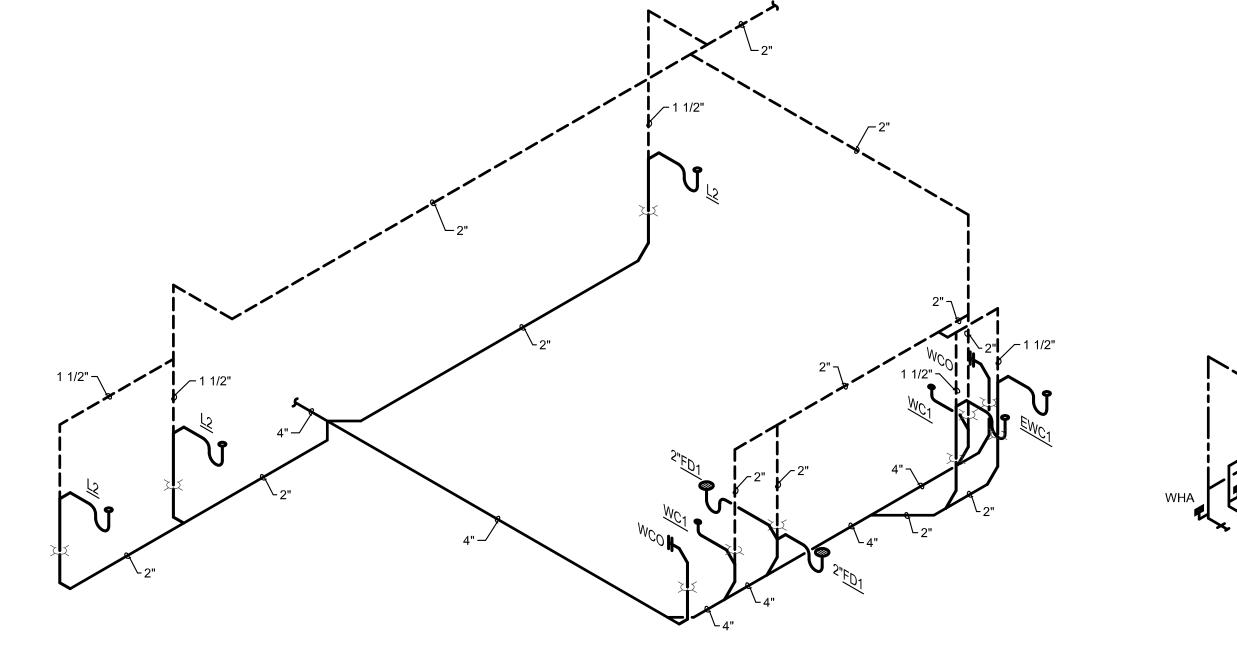
PLUMBING ISOMETRIC

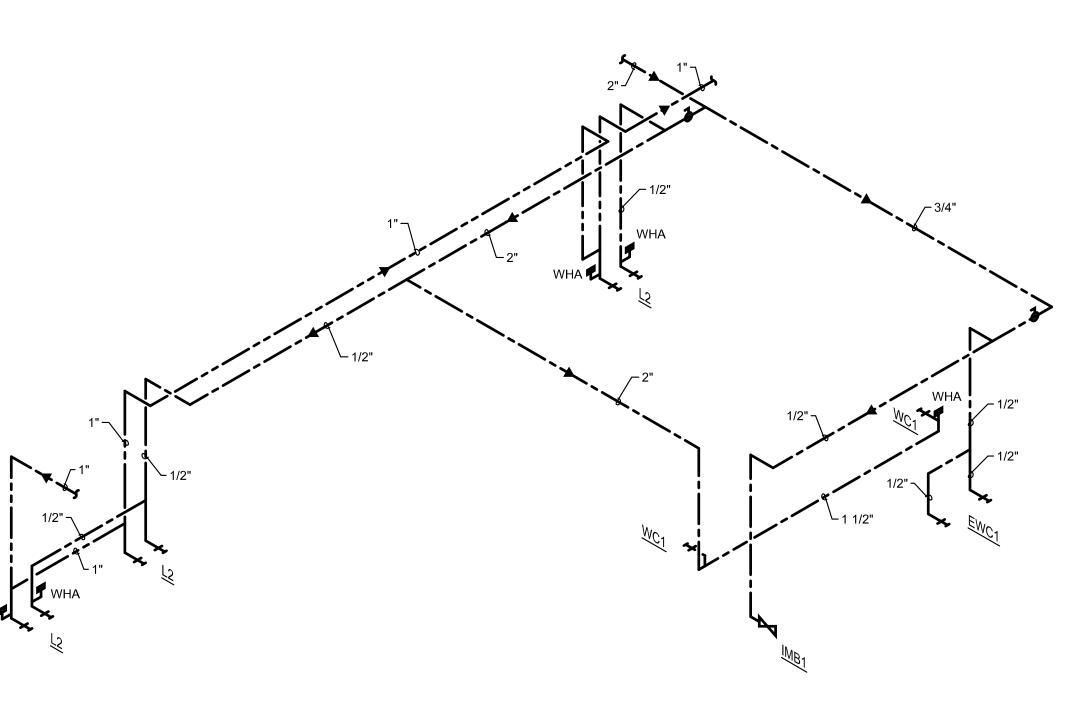
PLUMBING ISOMETRIC RISER DIAGRAM

NO SCALE

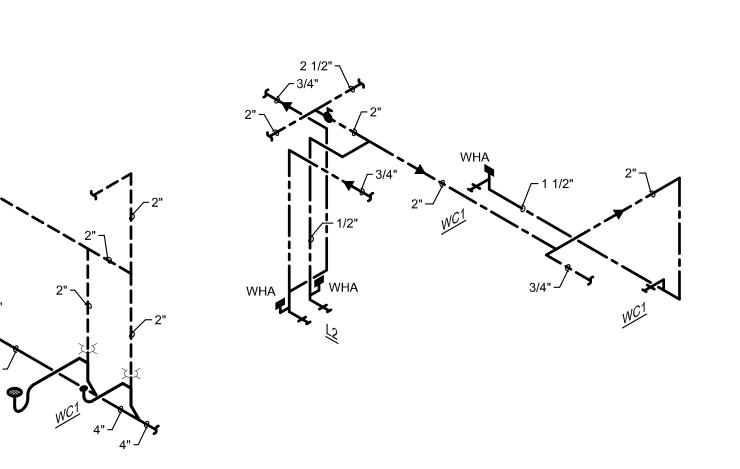


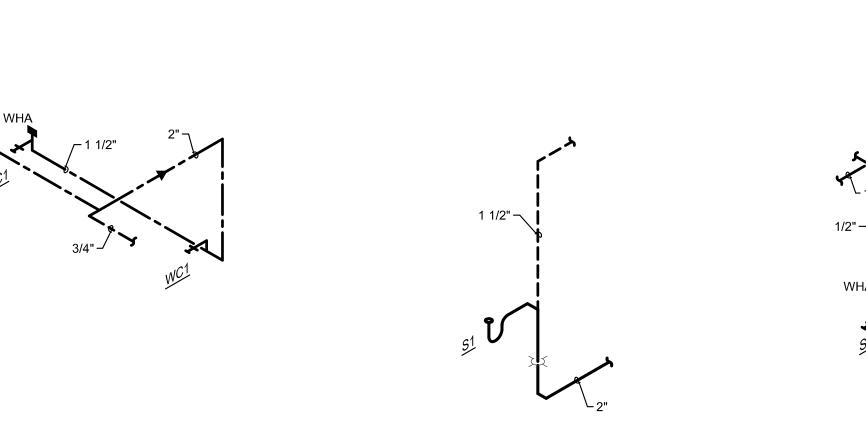
DOMESTIC WATER





SANITARY WASTE AND VENT **DOMESTIC WATER** PLUMBING ISOMETRIC RISER DIAGRAM
No scale

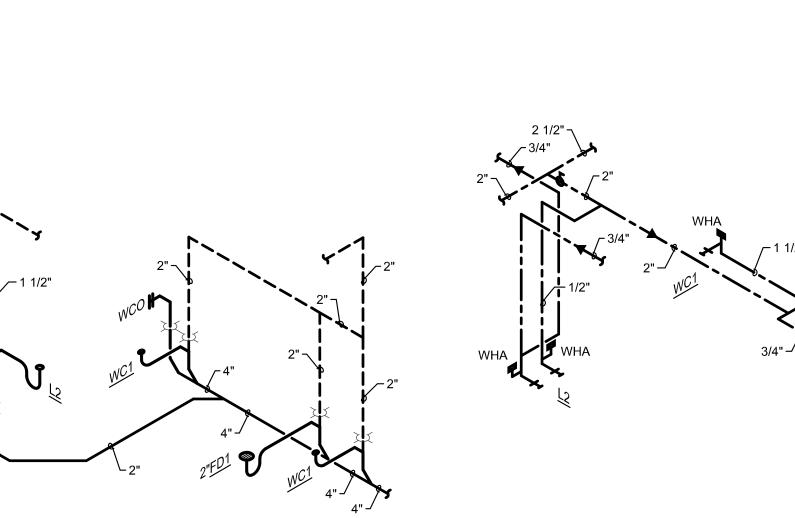


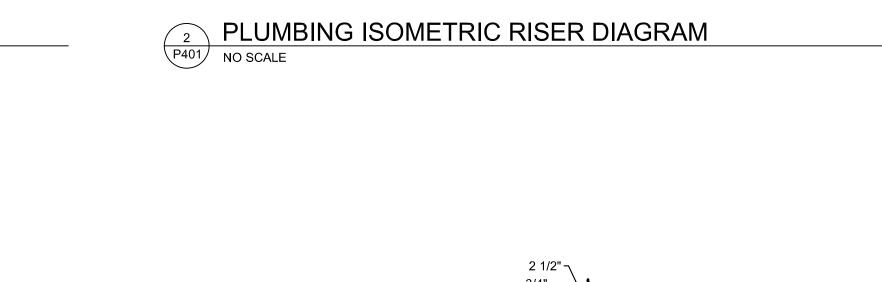


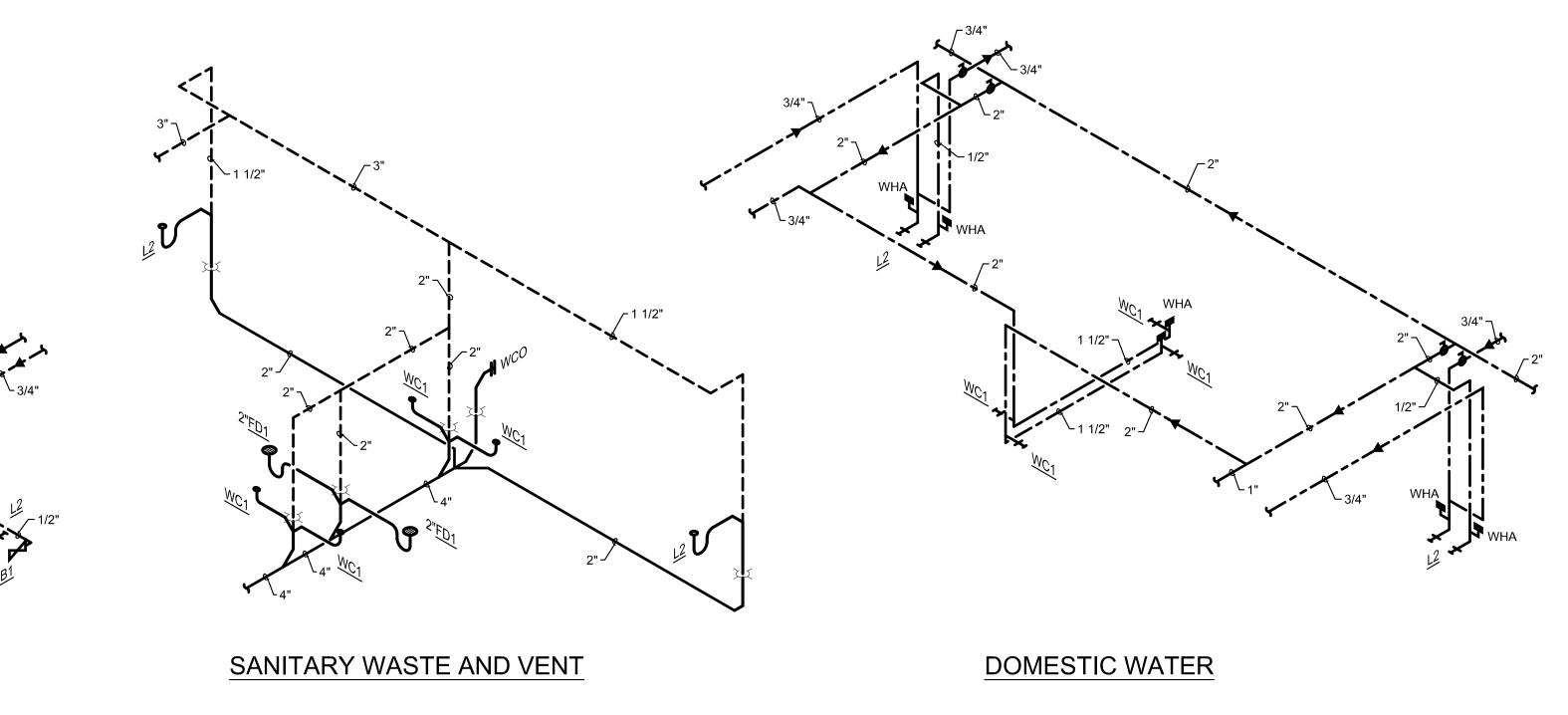
SANITARY WASTE AND VENT

PLUMBING ISOMETRIC RISER DIAGRAM
No scale

DOMESTIC WATER







SANITARY WASTE AND VENT

PLUMBING ISOMETRIC RISER DIAGRAM
NO SCALE

SANITARY WASTE AND VENT

PLUMBING ISOMETRIC RISER DIAGRAM
NO SCALE

DOMESTIC WATER

C O N S U L T A N T S , I N C . Texas BPE Registration # F-207 Suite 500 Fort Worth, Texas 76102 Office 817.878.4242

Dallas, Texas 75204 Office 214.420.9111 www.summitmep.com Copyright 2020 BYSParchitects

1300 Summit Avenue 4144 N. Central Expwy

CONSULTANTS, INC.
Texas BPE Registration # F-207 PLUMBING ISOMETRIC RISER DIAGRAMS P402 1300 Summit Avenue 4144 N. Central Expwy Suite 635 Dallas, Texas 75204

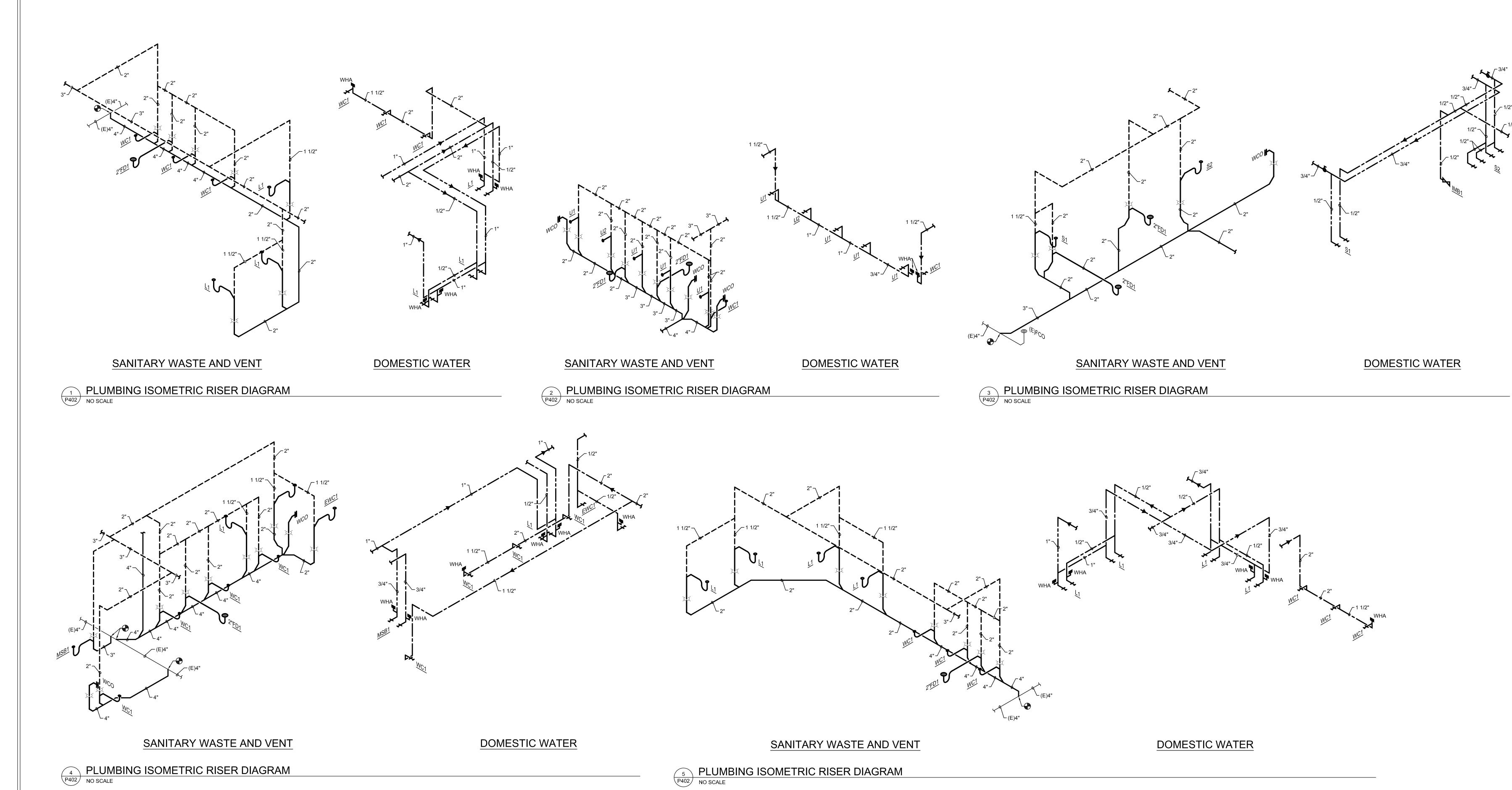
Office 214.420.9111

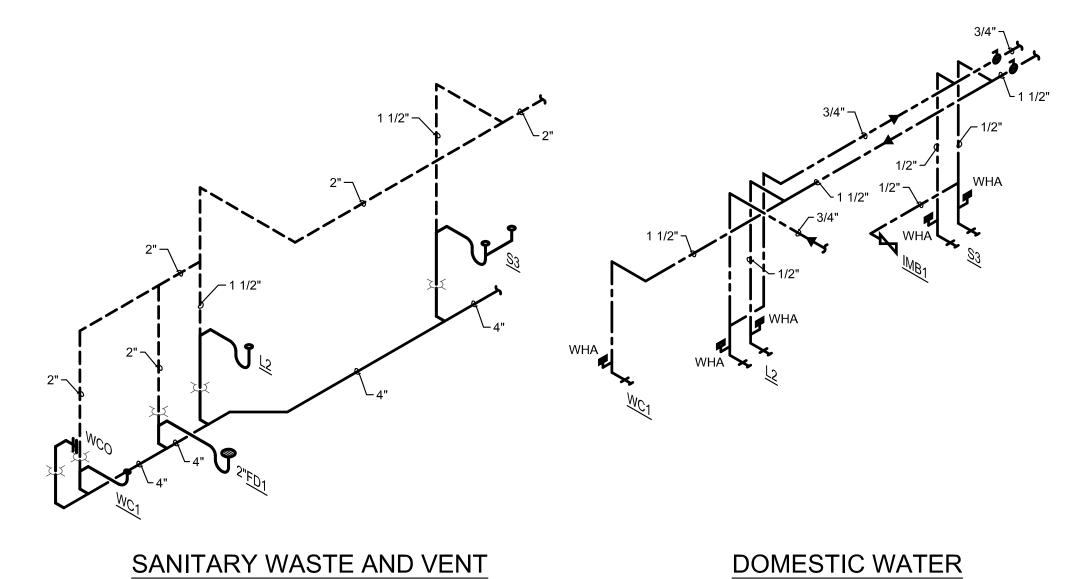
Copyright 2020 BYSParchitects

Suite 500 Fort Worth, Texas 76102

Office 817.878.4242

www.summitmep.com





PLUMBING ISOMETRIC RISER DIAGRAM - (ALTERNATE #2)
NO SCALE

BRIAN D. RICHARDS

CONSULTANTS, INC. Texas BPE Registration # F-207 1300 Summit Avenue 4144 N. Central Expwy

Dallas, Texas 75204

Office 214.420.9111

Copyright 2020 BYSParchitects

Suite 500

Fort Worth, Texas 76102

Office 817.878.4242

www.summitmep.com

CHECKED BY PROJECT NO. 18071 PLUMBING DETAILS

7-DAY TIMECLOCK — FOR OPERATION OF CIRCULATION PUMP DURING OCCUPIED

P501 NO SCALE

DOMESTIC HOT -

PUMP <u>CP1</u>

WATER CIRCULATION

(2 GPM)

WATER HEATER DETAIL

CALABRATED -

BALANCING VALVE

CALIBRATED J

(1/2 GPM)

BALANCING VALVE

PERIODS

VALVE

UNION (TYP)

HEAT TRAP \

ISOLATION VALVE (TYP)

EXPANSION —

TANK; WATTS

DET-5 OR EQUAL

₩THERMOMETER

GALVANIZED STEEL —

SAFETY DRAIN PAN

BELOW WATER

WATER HEATER —

HEATER

STAND

/ DIELECTRIC UNION

- TEMPERATURE AND PRESSURE

RELIEF VALVE

—WATER HEATER

FULL SIZE DISCHARGE FROM TEMPERATURE AND PRESSURE

DRAIN

EXISTING FLOOR

RELIEF VALVE TO

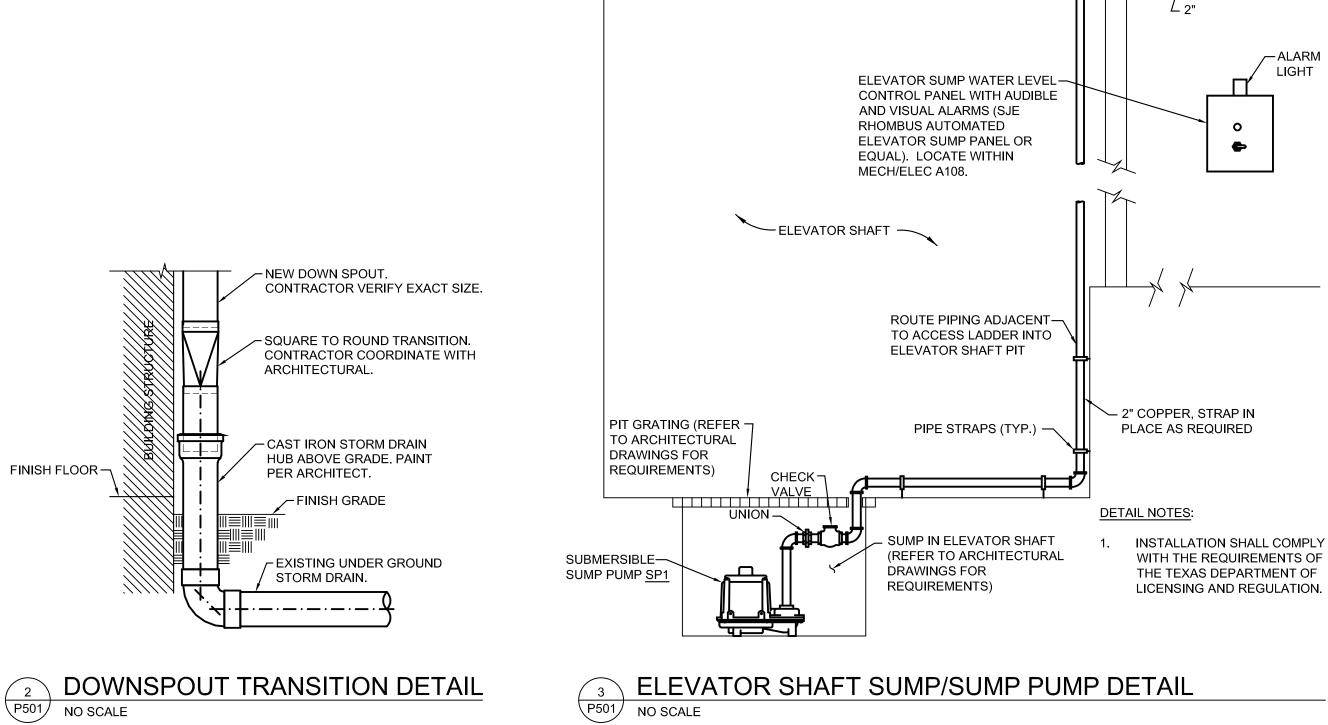
EXISTING FLOOR

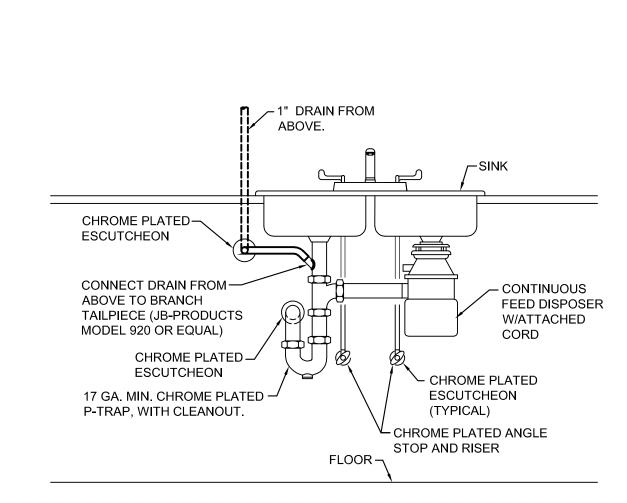
DRAIN.

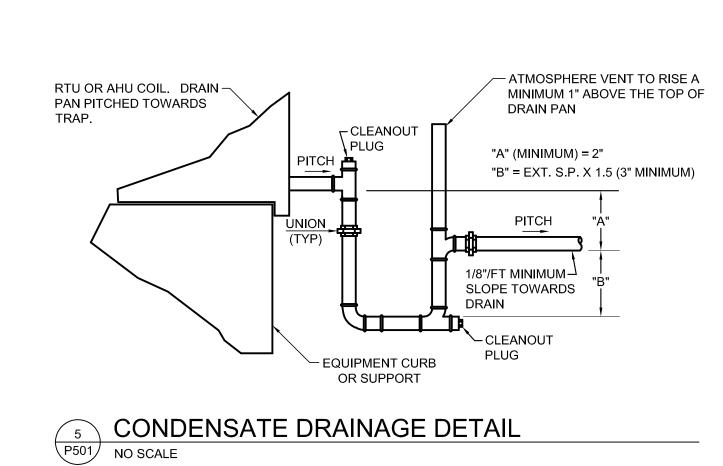
DOMESTIC COLD WATER SUPPLY

THERMOSTATIC -MIXING VALVE

DOMESTIC HOT WATER SUPPLY







PROVIDE EXTENSION IF GREATER THAN 1"

SCREW

- WALL PLATE, CHROME PLATED

WITH VANDAL RESISTANT

THREADED BRASS ROD OR

└─ WALL OPENING SHALL BE 1"

└─ CLEANOUT TEE W/TAPER

THREADED BRASS PLUG

LARGER THAN PLUG DIAMETER

WALL CLEANOUT DETAIL

MACHINE SCREW

P501 NO SCALE

PROVIDE EXTENSION IF GREATER THAN 1"

MACHINE SCREW

SCREW

- WALL PLATE, CHROME PLATED

WITH VANDAL RESISTANT

THREADED BRASS ROD OR

- WALL OPENING SHALL BE 1"

CLEANOUT TEE W/TAPER

THREADED BRASS PLUG

LARGER THAN PLUG DIAMETER



4

__LAVATORY

- CHROME PLATED

ESCUTCHEON

└ 17 GA. MIN. CHROME PLATED

P-TRAP, WITH CLEANOUT.

CHROME PLATED DUAL ANGLE STOP AND RISER

3/4" DRAIN – FROM ABOVE.

CHROME PLATED ~

ESCUTCHEON

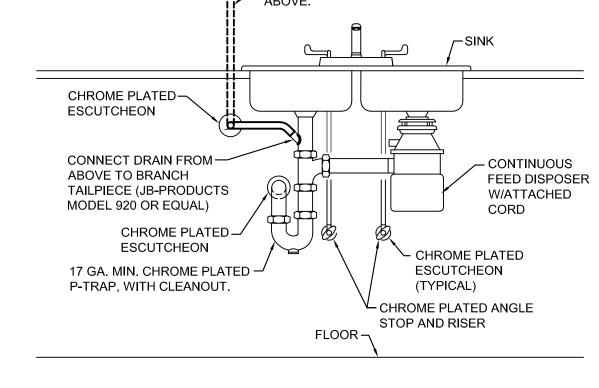
CONNECT DRAIN FROM— ABOVE TO BRANCH TAILPIECE (JB-PRODUCTS

MODEL 920 OR EQUAL)

CHROME PLATED -

ESCUTCHEON

(TYPICAL)



7 TYPICAL SINK BRANCH TAIL PIECE DETAIL
P501 NO SCALE