City of Aurora
Building Codes Division
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Aurora, CO 80012
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GENERAL NOTES - DEMOLITION

A. ITEMS REMOVED AND NOT REINSTALLED OR RETURNED TO OWNER SHALL BE DISPOSED OF LEGALLY (COORDINATE WITH OWNER FOR DISPOSAL OF ITEMS).

B. REMOVE EXISTING PIPING, WHERE NOTED, TO BEYOND FINISHED SURFACES AND CAP OR AS INDICATED ON PLANS. VERIFY EXACT LOCATION OF EXISTING PLUMBING AT SITE.

C. ANY EXISTING PLUMBING RISER LOCATED IN WALLS/CHASES DESIGNATED TO BE REMOVED, MUST BE RELOCATED TO A CONVENIENT LOCATION.

FIRE PROTECTION NOTES

A. IN THE RENOVATED AREAS CONTRACTOR TO MODIFY THE EXISTING SPRINKLER SYSTEM TO MATCH NEW CEILING LAYOUT. REMOVE EXISTING SPRINKLER HEADS & PROVIDE NEW BUILDING STANDARD QUICK RESPONSE SPRINKLER HEADS.

B. COORDINATE SPRINKLER LOCATIONS WITH ALL TRADES.

C. PROVIDE RECESSED HEADS FOR CATH LAB ROOM.

GENERAL NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXISTING PLUMBING PIPING LOCATIONS THAT SHALL BE CONNECTED TO, PRIOR TO ANY PIPING INSTALLATION.

B. COORDINATE WITH OWNER AND PERSONNEL THE SHUT-DOWN OF THE EXISTING SYSTEM.

C. ROUTE ALL PLUMBING PIPING AS TIGHT AS POSSIBLE TO BOTTOM OF FLOOR STRUCTURE AND FLOOR JOISTS.

D. COORDINATE WITH MECHANICAL CONTRACTOR THE LOCATION AND ROUTING OF ALL PLUMBING AND MEDICAL GAS.

E. PROVIDE CLEANOUTS AT THE BASE OF THE STORM AND SANITARY STACKS.

F. COORDINATE VTR LOCATIONS WITH AIR INTAKE LOCATIONS. THERE SHALL BE AT LEAST 25 FEET DISTANCE IN BETWEEN THESE LOCATIONS.

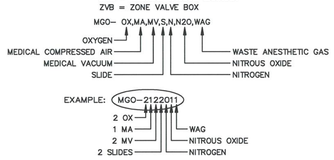
G. ALL SANITARY SEWER WALL CLEANOUTS SHALL BE PLACED AT 18" AFF.

H. PROVIDE "NIBCO" TOLCO CUSTOM CLAMP ON ALL MEDICAL GAS PIPING ABOVE CEILING .

I. PROVIDE A REDUCE PRESSURE BACKFLOW PREVENTER AT EACH MEDICAL EQUIPMENT OR EQUIPMENT REQUIRED BY CODE.

MEDICAL GAS LEGEND

MGB = MEDICAL GAS BOOMS
MGC = MEDICAL GAS CEILING COLUMNS
MGD = MEDICAL GAS HOSE DROP
MGH = MEDICAL GAS HEADWALL
MGO = MEDICAL GAS WALL OUTLETS
MGP = MEDICAL GAS PEDESTAL
OX = OXYGEN
MA = MEDICAL COMPRESSED AIR
MV = MEDICAL VACUUM
S = SLIDE (ONE PER MV)
N = NITROGEN
N2O = NITROUS OXIDE
CO2 = CARBON DIOXIDE
WAG = WASTE ANESTHETIC GAS EVACUATION
AAP = AREA ALARM PANEL
NCC = NITROGEN CONTROL CABINET
MAP = MASTER ALARM PANEL
MAI = MEDICAL AIR INTAKE
MVE = MEDICAL VACUUM EXHAUST
ZVB = ZONE VALVE BOX



MEDICAL GAS NOTES:

A. REFER TO AND COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS & MOUNTING HEIGHTS FOR MEDICAL GAS OUTLETS, ZONE VALVE BOXES, ALARM PANELS, ETC...

B. REFER TO ARCHITECTURAL DRAWINGS TO DETERMINE SUPPLIER OF MEDICAL GAS OUTLETS (CONTRACTOR OR EQUIPMENT SUPPLIER).

C. NOT ALL GASES MAY BE USED. THE GAS ORDER SHOWN IN THE EXAMPLE WILL BE TYPICAL FOR ALL OUTLETS.

D. COORDINATE MEDICAL GAS PIPE ROUTING WITH ALL THE OTHER TRADES BEFORE INSTALLATION.

E. ALL VALVES THAT ARE NOT LOCATED IN ZONE BOXES TO BE LOCKING TYPE.

MED GAS W/ SPECIAL INSPECTIONS PER NFPA 99C -02

PLUMBING FIXTURE SCHEDULE

DESIG.	FIXTURE TYPE	CONNECTION SIZE				DESCRIPTION
		San. Sewer	Vent	Cold Water	Hot Water	
WC-1	WATER CLOSET HANDICAP ADA COMPLIANT PUBLIC/STAFF	4"	3"	1"	–	KOHLER "HIGHCLIFF" MODEL No. K-4368 (WHITE) FLUSH VALVE WATER CLOSET FLOOR MTD., VITREOUS CHINA, 17-1/2" RIM HEIGHT, 10" ROUGHING-IN, LOW CONSUMPTION 1.6 GALLONS PER FLUSH, ELONGATED BOWL, DIRECT FED SIPHON JET ACTION, FULLY GLAZED TRAPWAY, 1⅛" TOP SPUD, COMPLETE WITH EXPOSED WATER CLOSET FLUSHOMETER WITH INFRARED SENSOR "SLOAN" ROYAL OPTIMA MODEL No. 111 ES-S, LOW CONSUMPTION, CHROME PLATED, HIGH BACK PRESSURE VACUUM BREAKER FLUSH CONNECTION WITH ONE-PIECE BOTTOM HEX COUPLING NUT, 1" I.P.S. SCREWDRIVER BACK-CHECK ANGLE STOP, FREE SPINNING, VANDAL RESISTANT STOP CAP, ADJUSTABLE TAILPIECE, SPUD COUPLING AND FLANGE FOR 1⅛" TOP SPUD, PROVIDE PROVIDE SLOAN MODEL No. EL-154 TRANSFORMER (120 VAC) AND EL-226 SOLENOID EXTENSION NIPPLE. PROVIDE WHITE OPEN SEAT FRONT LESS COVER BY "OLSONITE" MODEL No. 95, ADA COMPLIANT.
L-1	LAVATORY WALL HUNG ADA COMPLIANT	2"	2"	½"	½"	KOHLER "KINGSTON" MODEL No. K-2006 (WHITE) WALL HUNG, VITREOUS CHINA, COMPLETE WITH SERVICE FAUCET "CHICAGO" MODEL No. 786-E3-665CP, METERING CARTRIDGES GOOSENECK SPOUT LAMINAR FLOW STREAM REGULATOR VANDAL RESISTANT SPRAY HEAD, STRAINER "McGUIRE 155A CAST BRASS, P-TRAP McGUIRE 8872 SUPPLIES McGUIRE No. 170LK SUPPLY WITH LOOSE KEY ANGLE VALVE.
(E)S-2	EXISTING SCRUB SINK	2"	2"	½"	½"	STERIS MODEL #0423507046 STAINLESS STEEL, WITH KNEE ACTION MIXING VALVE AS7676.129. GOOSENECK FAUCET 7522.083.
SH-1	SHOWER STAFF SHOWER	2"	2"	½"	½"	AMERICAN REINFORCED PLASTICS MODEL No. S-3842-H OR EQUAL. PROVIDE WITH SHOWER FAUCET "SYMMONS" No. S-98-300-B30-X-L-V PRESSURE BALANCING SHOWER VALVE, LEVERTROL VOLUME CONTROL, INLINE VACUUM BREAKER, STOPS AND LEVER HANDLE. PROVIDE SHOWER HEAD ASSEMBLY SYMMONS HAND HELD SHOWER, 60" HOSE, 30" SLIDE BAR. PROVIDE A 2"FD-2. REFER TO ARCHITECTURAL SPECIFICATION SECTION 10 28 13 TOILET ACCESSORIES FOR ADDITIONAL HARDWARE TO BE PROVIDED.
CP-1	HOT WATER RECIRCULATION PUMP	AS NOTED ON PLANS				TACO 00 SERIES CARTRIDGE PUMP. 0013, 1/6 HP AT 3250 RPM, 115/1/60, 5 GPM AT 30' HEAD. 2.0 AMP. PROVIDE ISOLATION VALVES AND CHECK VALVE.
BFP-1	DOUBLE CHECK VALVE ASSEMBLY	AS NOTED ON PLANS				FEBCO DOUBLE CHECK VALVE ASSEMBLY
FD-2	SHOWER DRAIN	AS NOTED ON PLANS				"J.R. SMITH" SERIES 2005, DUCCO CAST IRON BODY WITH FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD, VANDAL RESISTANT SCREWS AND STAINLESS STEEL STRAINER HEAD.
ET-1	THERMAL EXPANSION TANK					AMTROL ST-12. PROVIDE SHUT-OFF VALVE ON INLET SIDE.
TMV-1	TERPERATURE MIXING VALVE	AS NOTED ON PLANS				LEONARD VALVE MODEL TM-26-E THERMOSTATIC MIXING VALVE, ROUGH BRONZE FINISH, WALL SUPPORT, ADJUSTABLE LIMIT STOP, UNION ANGLE CHECK STOPS. MINIMUM FLOW 1 GPM, 15 PSI PRESS. DROP. PROVIDE VOLUME CONTROL VALVE ON MIXED DISCHARGE. PROVIDE THERMOMETERS ON HOT, COLD AND MIXED WATER PIPING ADJACENT VALVE. REDUCE STORED WATER TEMPERATURE FROM 140°F. TO 110°F.
FD-1	FLOOR DRAIN	AS NOTED ON PLANS				"J.R. SMITH" SERIES 2005, DUCCO CAST IRON BODY WITH FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD, TRAP PRIMER CONNECTION, VANDAL RESISTANT SCREWS AND STAINLESS STEEL STRAINER HEAD.
WCO	WALL CLEANOUT	AS NOTED ON PLANS				"J.R. SMITH" FIG. 4472.
SA	SHOCK ARRESTERS	AS NOTED ON PLANS				"SIOUX CHIEF MC." HYDRA-RESTER COPPER TUBE CONSTRUCTION WITH DOUBLE O-RING PISTON, FACTORY CHARGED TO 60 PSI, PDI WH-201 CERTIFIED. REFER TO PDI INSTITUTE FOR SIZING METHOD ACCORDING TO THE NUMBER OF FIXTURE UNITS.
TP-1	TRAP PRIMER VALVE	AS NOTED ON PLANS				PRECISION PLUMBING PRODUCTS PRIME-RITE MODEL# PR-500 WITH DISTRIBUTION UNIT MODEL# DU-U.

THIS HAS BEEN PREVIOUSLY ISSUED IN A PRE-PURCHASE PACKAGE (FOR REFERENCE ONLY)

GENERAL NOTES:

1. VERIFY ALL MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS.
2. ALL P-TRAPS SHALL HAVE INTEGRAL CLEANOUT PLUGS.
3. ALL PLUMBING FIXTURES MUST CONFORM TO CURRENT "ADA" REQUIREMENTS FOR PERFORMANCE AND ACCESSIBILITY AS REQUIRED.
4. ALL WITREOUS CHINA FIXTURES TO BE WHITE ENAMELED.
5. ALL EXPOSED PIPING TO BE CHROME PLATTED.
6. PROVIDE AND INSTALL J.R. SMITH #0710 CONCEALED ARM SUPPORT FOR ALL WALL HUNG LAVATORIES.

ELECTRIC WATER HEATER SCHEDULE

DESIGN.	LOCATION/TYPE	STORAGE WATER TEMP.	TANK SIZE	GPH RECOVERY RATE/HEATER TEMP. RISE (°F)	KW INPUT	VOLTAGE	PHASE /CYCLE	MANUFACTURER/ MODEL NO.	REMARKS
WH-1	2nd Flr. Mech. Rm	140°	50	335/100°	81KW	480	3	BRADFORD WHITE/ 50A-81-3	

THIS HAS BEEN PREVIOUSLY ISSUED IN A PRE-PURCHASE PACKAGE (FOR REFERENCE ONLY)

Provide self closing or metering type of faucets in restrooms per 2006 COA 22-323(b)

PLUMBING SYMBOLS

ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATICALLY AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION
—— - ——	DOMESTIC COLD WATER
—— -- ——	DOMESTIC HOT WATER (120°F UNLESS OTHERWISE NOTED)
—— - - - - ——	DOMESTIC HOT WATER RETURN (120°F UNLESS OTHERWISE NOTED)
—NPW—	NON-POTABLE WATER
—TP—	TRAP PRIMER LINE (1/2")
—TW—	TEMPERED WATER
	COLD OR HOT REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER (R.P.P.B.P.)
—(E)EX—	EXISTING PIPING TO REMAIN
—//X—X—X	EXISTING PIPING TO BE REMOVED
—//—//—	PIPING TO BE ELECTRICALLY HEAT TRACED
—SS—	SANITARY SEWER PIPING (SOIL OR WASTE)
— — — —	SANITARY VENT PIPING
—SSD—	SUB-SOIL DRAIN PIPING, FOOTING DRAIN PIPING
—AW—	ACID WASTE PIPING
— AV —	ACID VENT PIPING
—I.W.—	INDIRECT WASTE
—SED—	SEWAGE EJECTOR DISCHARGE PIPING (PUMPED SANITARY)
—CD—	CONDENSATE DRAIN PIPING
—DPD—	DRIP PAN DRAIN PIPING
	CONNECT NEW TO EXISTING
—SD—	STORM DRAIN PIPING (SD)
—OD—	STORM OVERFLOW DRAIN PIPING (OD)
—SPD—	SUMP PUMP DISCHARGE PIPING (PUMPED STORM WATER)
— G —	NATURAL GAS PIPING
— CA —	COMPRESSED AIR PIPING
— V —	VACUUM PIPING
—ATV—	ATMOSPHERIC VENT PIPING (STEAM OR HOT VAPOR)
— F —	FIRE PROTECTION (STANDPIPE, SPRINKLER, SERVICE)
—DFS—	DRY FIRE STANDPIPE PIPING
— SP —	SPRINKLER PIPING (SPRK.)
—SDR—	SPRINKLER DRAIN RISER PIPING
—DSP—	DRY SPRINKLER PIPING
—PASP—	PRE-ACTION SPRINKLER PIPING
—EPW—	EMERGENCY POTABLE WATER
— FOS —	FUEL OIL SUPPLY
— FOR —	FUEL OIL RETURN
	GATE VALVE
	BUTTERFLY VALVE
	BALL VALVE
	GLOBE VALVE
	TEMPERATURE AND PRESSURE RELIEF VALVE
	GAS COCK / PLUG VALVE
	SOLENOID VALVE
	PRESSURE REGULATION VALVE (PRV)
AQUASTAT	AQUASTAT
	CHECK VALVE
	CHECK VALVE WITH AUTOMATIC BALL DRIP
	BACK WATER VALVE
	GAS PRESSURE REGULATOR VALVE
	BALANCING VALVE
	STRAINER WITH BLOW-OFF VALVE
	STRAINER
	HYDRAULIC SHOCK ARRESTOR (SA)
V	VACCUUM BREAKER (VB)
	FLOOR DRAIN W/ P-TRAP
	HUB DRAIN (ALL TYPES) (SPECIFY)
	FLOOR DRAIN (ALL TYPES) (SPECIFY)

SYMBOL	DESCRIPTION
	DOUBLE CLEANOUT, 2-WAY CLEANOUT (GRADE) (D.C.O.)
	GAUGE COCK
	PRESSURE GAUGE WITH GAUGE COCK
	THERMOMETER WITH SHUT-OFF COCK
	HOSE BIBB (H.B.) OR FREEZE PROOF WALL HYDRANT (FPWH)
	RECESSED BOX FREEZE PROOF WALL HYDRANT
	YARD HYDRANT
	SLEEVE THRU WALL
	EXPANSION LOOP
	ANCHOR
FCO GCO	FLOOR CLEANOUT OR GRADE CLEANOUT
WCO	WALL CLEANOUT
CO CO	CLEANOUT PLUG
	OS & Y VALVE SUPERVISED (HORIZ. POSITION/VERT. POSITION)
	INDICATING BUTTERFLY VALVE SUPERVISED (HORIZ. POSITION/VERT. POSITION)
FCA	SPRINKLER SYSTEM FLOOR CONTROL ASSEMBLY
	DOUBLE CHECK VALVE ASSEMBLY (D.C.V.A.) WITH OS & Y VALVES SUPERVISED
	FLOW SWITCH
	FIRE HOSE VALVE
	FIRE HOSE CABINET (SURFACE MOUNTED)
	FIRE HOSE CABINET (RECESSED)
	2-WAY SIAMESE FIRE DEPARTMENT CONNECTION
	DIRECTION OF SLOPE
	DIRECTION OF FLOW
	CAP OUTLET OR PLUGGED OUTLET
— OX —	MEDICAL OXYGEN PIPING
— MA —	MEDICAL AIR PIPING
— MV —	MEDICAL VACUUM PIPING
—WAG—	WASTE ANESTHERIC GAS EVACUATION
— N —	MEDICAL NITROGEN PIPING
—N_2O—	MEDICAL NITROUS OXIDE PIPING
—CO_2—	MEDICAL CARBON DIOXIDE PIPING
	MASTER ALARM SENSOR
	LOCAL ALARM SENSOR
	MEDICAL GAS PIPING DROPS IN WALL FULL SIZE

PLUMBING ABBREVIATIONS

ABV	AUTOMATIC BALANCING VALVE	MH	MANHOLE
AFF	ABOVE FINISH FLOOR	NPW	NON-POTABLE/DOWNSTREAM OF A BACKFLOW PREVENTER
AFG	ABOVE FINISH GRADE		
A/C	ABOVE HUNG CEILING	NC	NORMALLY CLOSED
AP	ACCESS PANEL OR DOOR	PD	PLANTER DRAIN
AC	AIR CHAMBER	PRV	PRESSURE REDUCING VALVE
AD	AREA DRAIN	TP	TRAP PRIMER
BT	BATHTUB	VTR	VENT THROUGH ROOF
BFF	BELOW FINISH FLOOR	YCO	YARD CLEANOUT
B/F	BELOW FLOOR		
B/G	BELOW GRADE		
DS	DOWNSPOUT		
DF	DRINKING FOUNTAIN		
FRS	FLUSH RIM SINK		
GC	GENERAL CONTRACTOR		
GCO	GRADE CLEANOUT		
INV	INVERT		
I.E.	INVERT ELEVATION		
(E)	EXISTING		

MECHANICAL/ELECTRICAL SYSTEM COORDINATION SCHEDULE

SYSTEM	FURNISHED BY	INSTALLED BY	POWER WIRING BY	CONTROL OR SUPERVISION WIRING BY
LIFE SAFETY SYSTEM	---	---	---	---
FIRE/SMOKE DAMPER/ ACTUATOR	DIV 23	DIV 23	DIV 26	DIV 28
FIRE SPRINKLER - FLOW SWITCH	DIV 22	DIV 22	DIV 26	DIV 28
MEDICAL GAS ALARM	DIV 22	DIV 22	DIV 26	DIV 22
MOTOR STARTERS (INTEGRAL TO EQUIP.)	DIV 22/23	---	DIV 26	DIV 23
MOTOR STARTERS (NON-INTEGRAL TO EQUIP.)	DIV 26	DIV 26	DIV 26	DIV 23
COMBINATION MOTOR STARTER/DISCONNECT (INTEGRAL TO EQUIP.)	DIV 22/23	---	DIV 26	DIV 23
COMBINATION MOTOR STARTER/DISCONNECT (NON-INTEGRAL)	DIV 26	DIV 26	DIV 26	DIV 23
DISCONNECT SWITCHES (NON-INTEGRAL TO EQUIPMENT)	DIV 26	DIV 26	DIV 26	---

THIS TABLE IS PROVIDED AS A GUIDE TO THE DOCUMENT PREPARATION AND IN NO WAY INDICATES CONTRACTOR MEANS AND METHODS

CITY OF AURORA
BUILDING DIVISION
APPROVED AS NOTED
DATE 12/18/09

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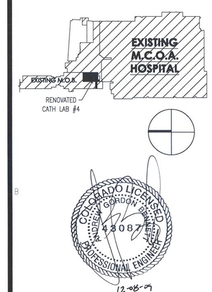
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KEY PLAN
FIRST FLOOR



COLORADO LICENSED GORDON BOWEN 42087 PROFESSIONAL ENGINEER 12-08-09

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PLUMBING SCHEDULES, LEGENDS & NOTES

Sheet

P-0001

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GENERAL NOTES

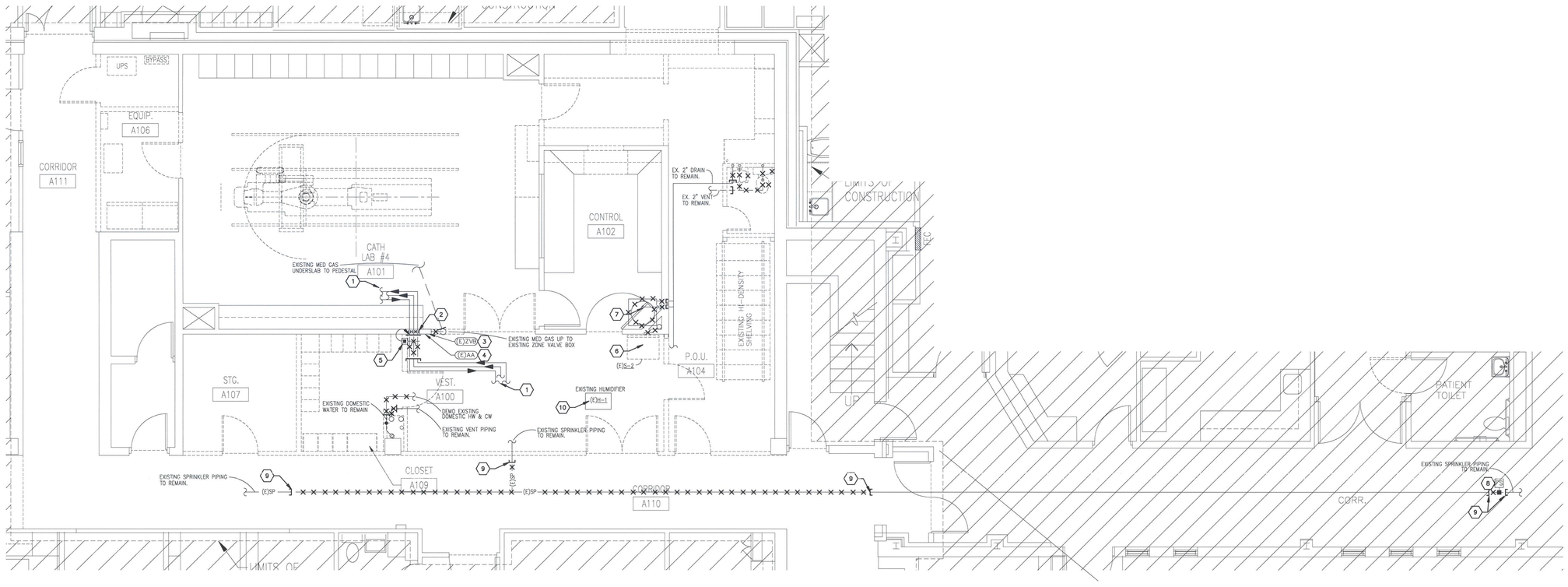
A. VERIFY EXACT LOCATION & SIZE OF EXISTING SANITARY LINES, SPRINKLER LINES, AND DOMESTIC WATER LINES.

B. COORDINATE WITH OTHER TRADES FOR EXACT LOCATION OF ALL PIPING.

C. REFER TO ARCHITECTURAL PLANS FOR PHASING OF WORK.

KEYED NOTES

1. EXISTING MED GAS TO REMAIN. TURN OFF SERVICE VALVES TO ALL MED GAS FEEDING THE SUITE BEFORE DEMOLITION.
2. DEMOLISH MED GAS PIPING DOWN TO EXISTING ZVB.
3. RELOCATE TRIPLE ZONE VALVE BOX AND ASSOCIATED PIPING PER SHEET P-3001.
4. RELOCATE AREA ALARM PER SHEET P-3001.
5. RELOCATE INLINE SENSORS PER SHEET P-3001.
6. RELOCATE EXISTING SCRUB SINK AND ASSOCIATED PIPING AND CAP EXISTING SANITARY CONNECTION TO SINK AND INSTALL WALL CLEANOUT PER SHEET P-2001.
7. DEMOLISH EXISTING WATER HEATER WITH PAN AND ASSOCIATED PIPING. CAP P&T AND PAN DRAIN AT MAIN DRAIN LINE.
8. RELOCATE FLOW SWITCH AND ASSOCIATED GAUGES PER SHEET P-2001. PROVIDE SHUT-OFF AND CAP REMAINING SPRINKLER LINE AS SHOWN.
9. DEMOLISH SPRINKLER PIPING, CAP REMAINING AS SHOWN.
10. MAINTAIN DOMESTIC COLD WATER SUPPLY AND CONNECTIONS.



01 FIRST FLOOR PLAN - PLUMBING DEMOLITION
SCALE: 1/4" = 1'-0"

CITY OF AURORA
BUILDING DIVISION
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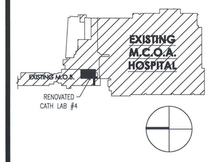
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KEY PLAN
FIRST FLOOR





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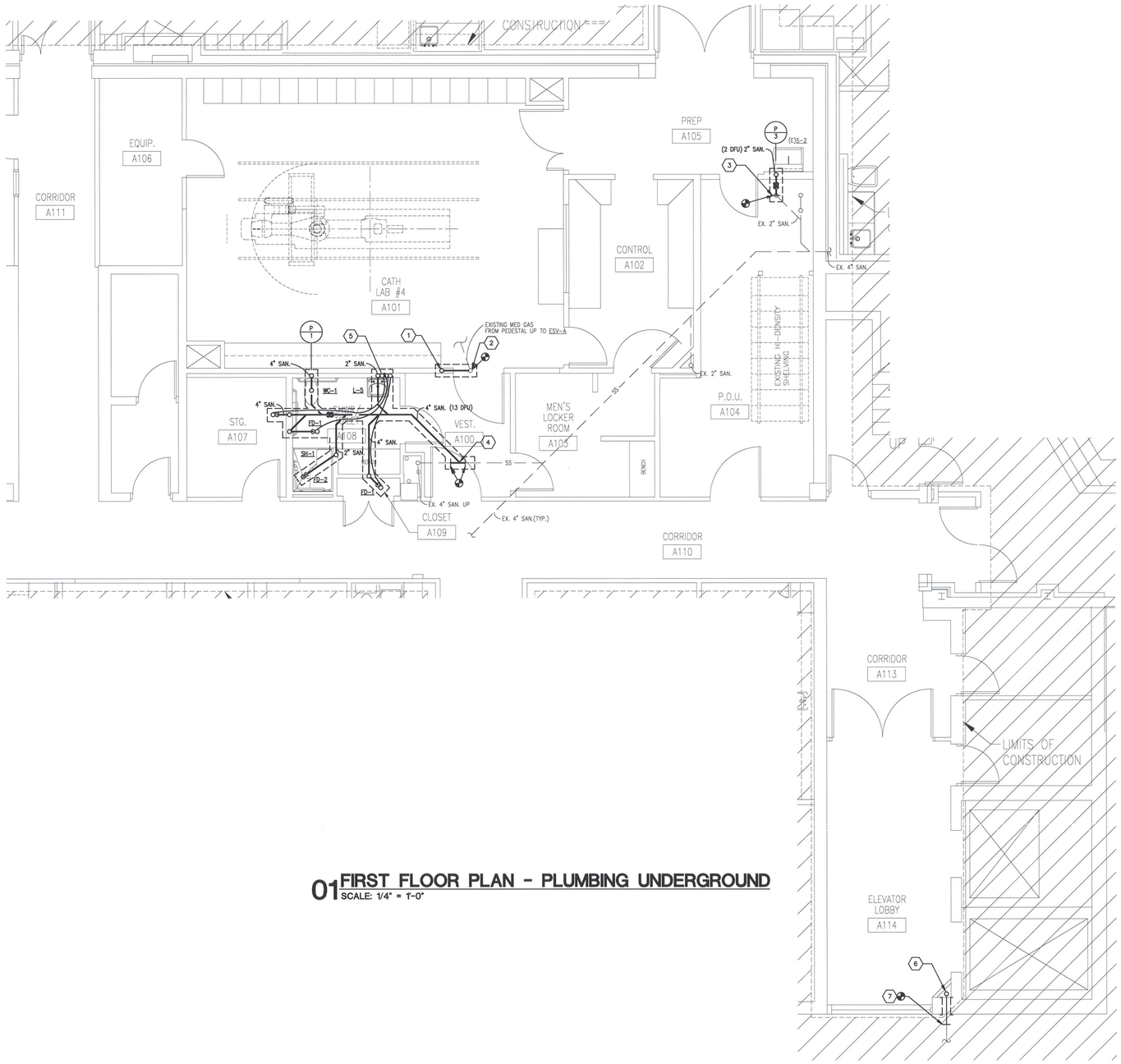
FIRST FLOOR PLAN
PLUMBING
DEMOLITION

Sheet

PD-1001

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01 FIRST FLOOR PLAN - PLUMBING UNDERGROUND

SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. VERIFY EXACT LOCATION & SIZE OF EXISTING SANITARY LINES AND MED GAS LINES AT NEW CONNECTION POINTS.

B. COORDINATE WITH OTHER TRADES FOR EXACT LOCATION OF FIRE WATER SUPPLY PIPING.

C. SLAB TRENCHING LAYOUT IS BASED ON EXISTING RECORD DWGS. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY TRENCHING.

D. REFER TO ARCHITECTURAL PLANS FOR PHASING OF WORK.

KEYED NOTES

1. 1/2" OXYGEN, 1/2" MEDICAL AIR, 3/4" MEDICAL VACUUM FROM ABOVE. SEE P-2001 FOR CONT.
2. EXISTING 3" PVC CONDUIT CONTAINING: 1/2" OXYGEN, 1/2" MEDICAL AIR, 3/4" MEDICAL VACUUM UP FROM EXISTING PEDESTAL. VERIFY LOCATION BEFORE INSTALLATION OF NEW PIPING. EXTEND GAS PIPING TO NEW LOCATION AS SHOWN.
3. CONNECT TO EXISTING 2" SANITARY. VERIFY LOCATION, SIZE, AND INVERT ELEVATION BEFORE INSTALLATION OF NEW PIPING.
4. CONNECT TO EXISTING 4" SANITARY. VERIFY LOCATION, SIZE, AND INVERT ELEVATION BEFORE INSTALLATION OF NEW PIPING.
5. 1/2" CW UP TO TRAP PRIMER.
6. 4" FIRE WATER SUPPLY UP. SEE P-2001 FOR CONT.
7. CONNECT TO EXISTING 4" FIRE WATER SERVICE. REFER TO UTILITY WORK UNDER SEPARATE CITY PERMIT.

CITY OF AURORA
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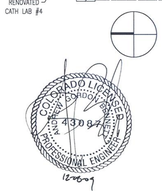
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KEY PLAN
FIRST FLOOR





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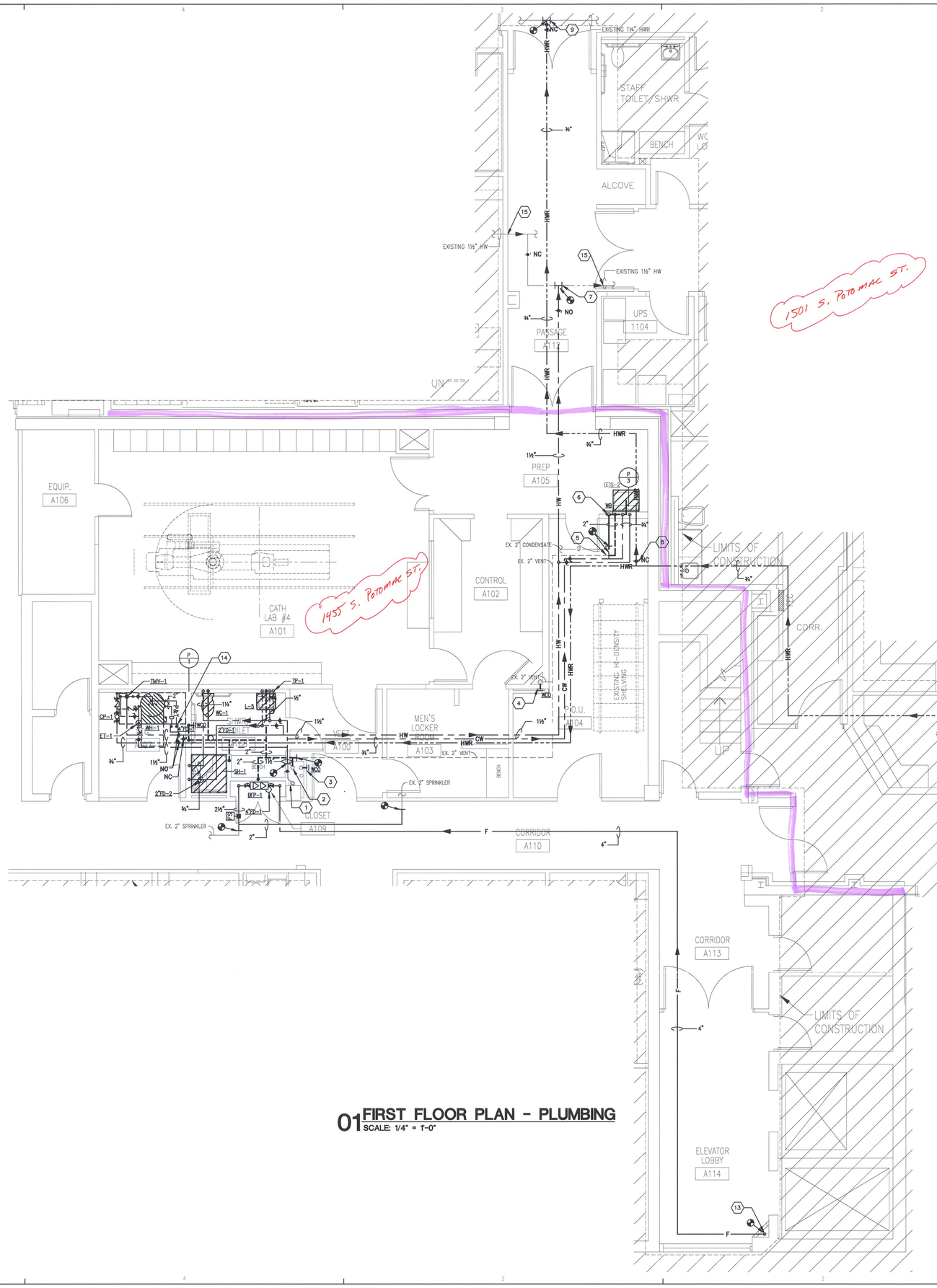
FIRST FLOOR PLAN
PLUMBING
UNDERGROUND

Sheet

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01 FIRST FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. VERIFY EXACT LOCATION & SIZE OF EXISTING SANITARY LINES, SPRINKLER LINES, AND DOMESTIC WATER LINES AT NEW CONNECTION POINTS.

B. COORDINATE WITH OTHER TRADES FOR EXACT LOCATION OF ALL PIPING.

C. REFER TO ARCHITECTURAL PLANS FOR PHASING OF WORK.

KEYED NOTES

1. PROVIDE NEW CONNECTION TO EXISTING 1-1/2" DOMESTIC COLD WATER ABOVE CEILING.
2. PROVIDE NEW 2" VENT CONNECTION TO EXISTING 2" VENT ABOVE CEILING AND MAINTAIN EXISTING 4" VENT RISER LOCATION.
3. PROVIDE WALL CLEANOUT AT THE BASE OF EXISTING 4" SANITARY RISER.
4. PROVIDE NEW 2" WALL CLEANOUT AND MAINTAIN EXISTING 2" VENT CONNECTION ABOVE CEILING.
5. CONNECT NEW 2" VENT TO EXISTING 2" VENT ABOVE CEILING AS SHOWN.
6. PROVIDE NEW 2" PIPING FOR CONDSENATE PIPING. PROVIDE NEW RECESSED WALL BOX WITH COVER AND CONNECT TO NEW 2" SANITARY RISER IN WALL WITH P-TRAP.
7. PROVIDE NEW 1-1/2" CONNECTION TO EXISTING 1-1/2" DOMESTIC HOT WATER MAIN. MAINTAIN EXISTING SHUT-OFF VALVE AND TURN VALVE TO NORMALLY CLOSED POSITION. PROVIDE NEW SHUT-OFF VALVE TO NORMALLY OPEN POSITION.
8. PROVIDE BYPASS WITH SHUT-OFF VALVE TO NORMALLY CLOSED POSITION.
9. PROVIDE NEW BALANCING VAVLE @ 3 GPM AND NEW CONNECTION TO EXISTING 1-1/4" DOMESTIC HOT WATER RETURN. PROVIDE SHUT-OFF TO NORMALLY CLOSED POSITION.
10. PROVIDE NEW 3/4" DOMESTIC HOT WATER CONNECTION. RECONNECT PIPING TO RESTROOM LAVATORY AT CEILING.
11. PROVIDE NEW 3/4" DOMESTIC HOT WATER CONNECTION CAP AND PROVIDE SHUT-OFF VALVE.
12. NEW 3/4" DOMESTIC HOT WATER RETURN. 1-1/2" DOMESTIC HOT AND COLD WATER UP. SEE SHEET P-2002 FOR CONT.
13. NEW 4" FIRE WATER MAIN FROM BELOW SLAB. ROUTE ABOVE CEILING. SEE PU-1001 FOR CONT.
14. ROUTE DRAIN AND P&T LINES TO FLOOR DRAIN WITH AIR GAP.
15. EXISTING PIPING ETC. PENETRATING A113 WALL TO BE SEALED WITH THF

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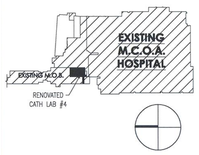
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KEY PLAN
FIRST FLOOR



COLORADO LICENSED ARCHITECT 43071 PROFESSIONAL ENGINEER
12/09

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FIRST FLOOR PLAN PLUMBING

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GENERAL NOTES

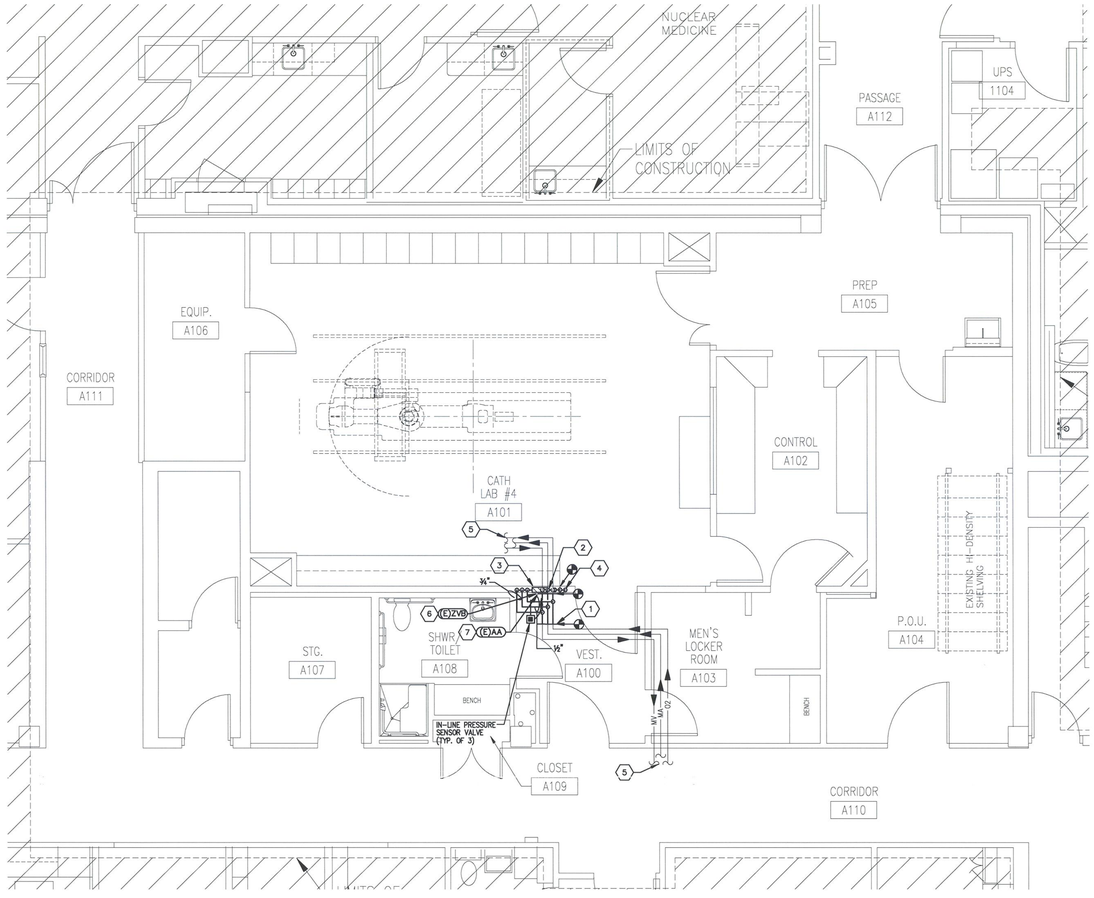
A. VERIFY EXACT LOCATION & SIZE OF EXISTING MEDICAL GAS LINES.

B. COORDINATE WITH OTHER TRADES FOR EXACT LOCATION OF ALL PIPING.

C. REFER TO ARCHITECTURAL PLANS FOR PHASING OF WORK.

KEYED NOTES

1. PROVIDE NEW 1/2" OXYGEN, 1/2" MEDICAL AIR, 3/4" MEDICAL VACUUM FROM EXISTING GAS LINES IN CEILING.
2. CAP EXISTING GAS LINES AT CEILING FEEDING EXISTING ZONE VALVE BOX.
3. PROVIDE NEW 1/2" OXYGEN, 1/2" MEDICAL AIR, 3/4" MEDICAL VACUUM DOWN TO RELOCATED (EXISTING) ZONE VALVE BOX.
4. PROVIDE MED GAS CONNECTIONS TO PIPING BELOW SLAB. SEE SHEET PU-1001 FOR CONT.
5. EXISTING OXYGEN, MEDICAL VACUUM, AND MEDICAL AIR PIPING TO REMAIN.
6. PROVIDE EXISTING RECESSED TRIPLE ZONE VALVE BOX.
7. PROVIDE EXISTING RECESSED AREA ALARM. MOUNT ABOVE TRIPLE ZONE VALVE BOX.



01 FIRST FLOOR PLAN - MEDICAL GAS

SCALE: 1/4" = 1'-0"

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KEY PLAN

FIRST FLOOR





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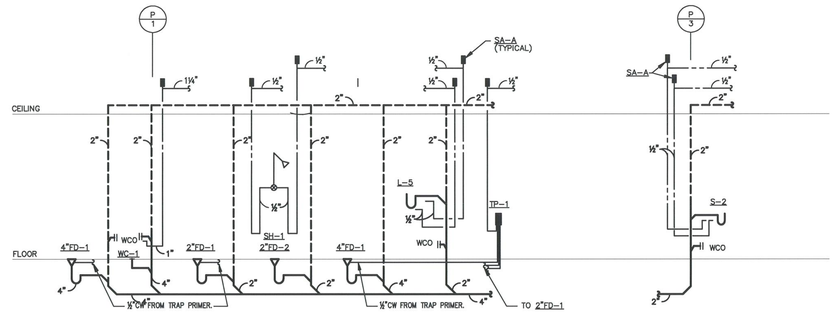
FIRST FLOOR PLAN MEDICAL GAS

Sheet

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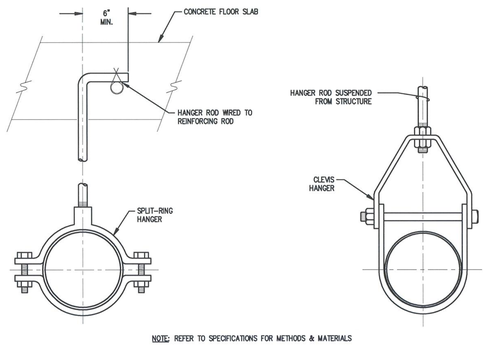
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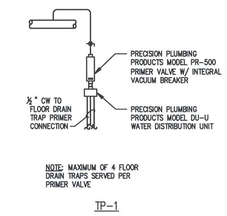
SANITARY AND WATER RISER DIAGRAMS
NO SCALE

The dry vent must rise 6" vertically above the flood level rim of the trap per 2006 IPC 905.4.

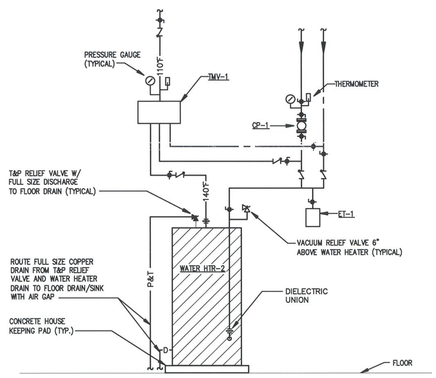


NOTE: REFER TO SPECIFICATIONS FOR METHODS & MATERIALS

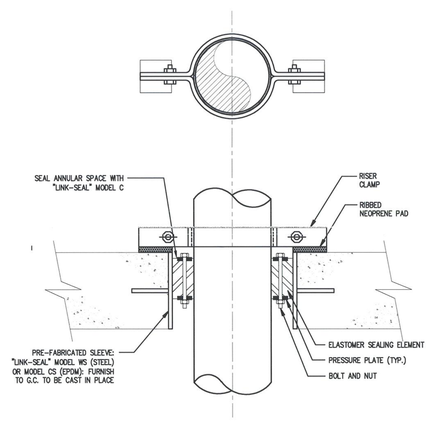
04 PIPE HANGER DETAILS
NO SCALE



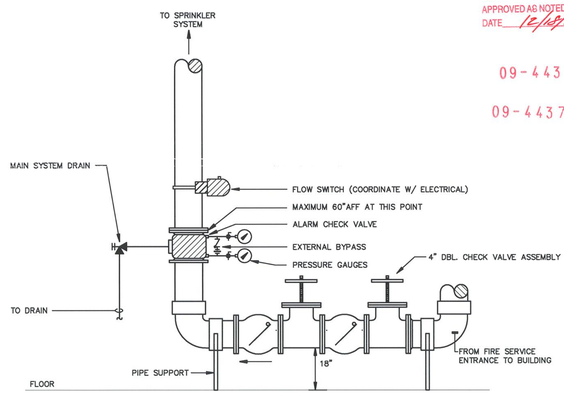
02 TRAP PRIMER DETAIL
NO SCALE



05 WATER HEATER DETAIL
NO SCALE



03 PIPE SLEEVE THRU FLOOR @ GRADE
NO SCALE



01 WET-PIPE SPRINKLER VALVE DETAIL
NO SCALE

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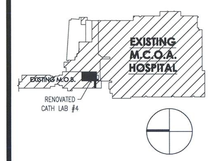
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PLUMBING RISERS AND DETAILS

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