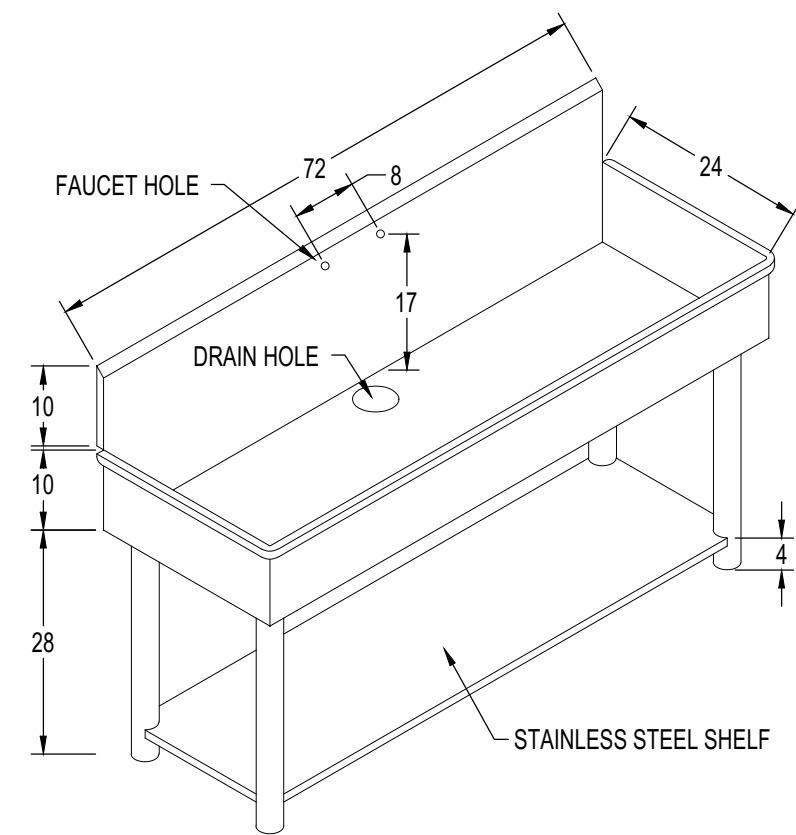
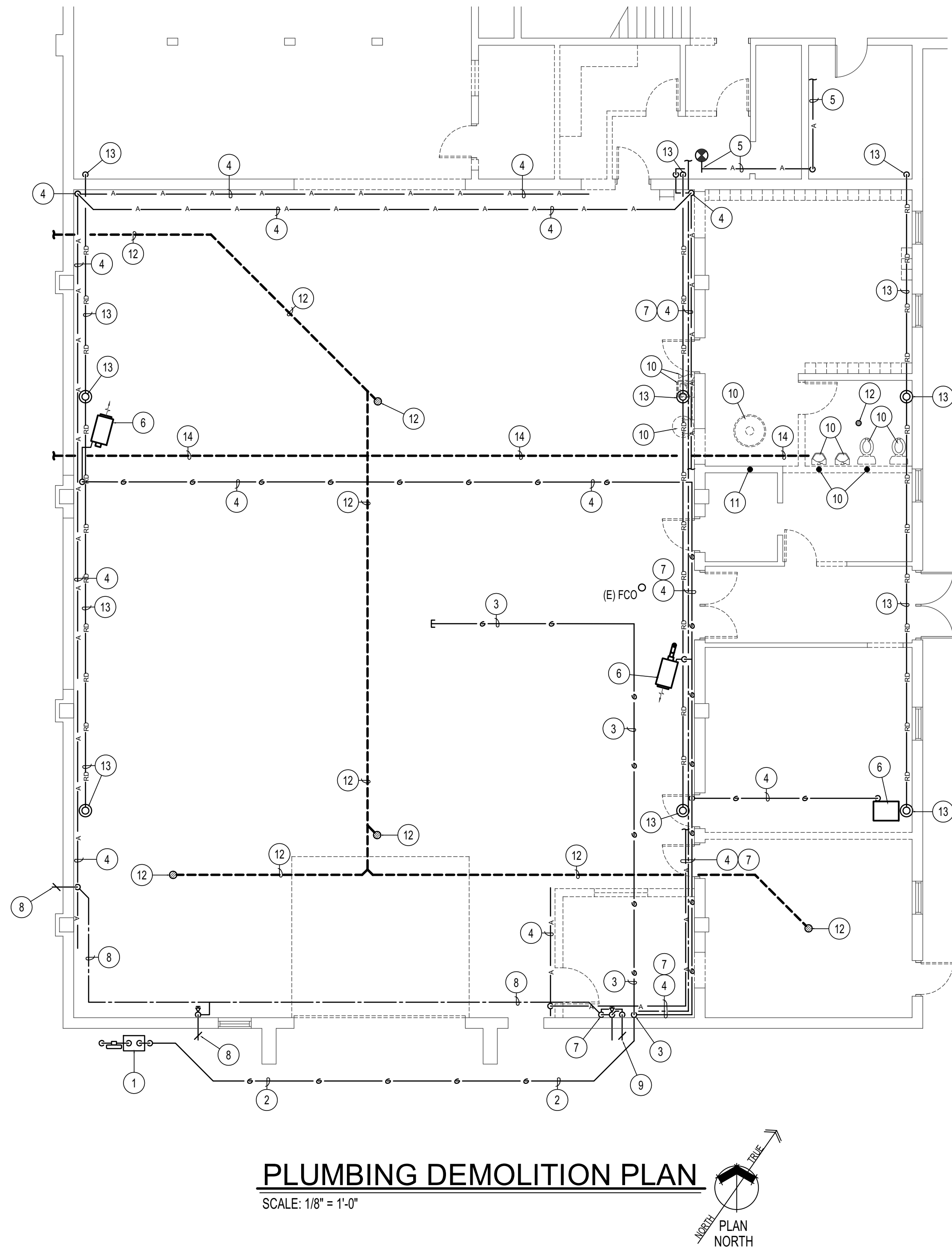


PLUMBING LEGEND	
SYMBOL	DESCRIPTION
1	PLAN NOTE
FC 1	EQUIPMENT SYMBOL
V	VENT
VTR	VENT THRU ROOF
CO	CLEANOUT
WCO	WALL CLEANOUT
COTG	CLEANOUT TO GRADE
FCO	FLOOR CLEANOUT
AFF	ABOVE FINISHED FLOOR
---	SOIL OR WASTE PIPING
---	DOMESTIC COLD WATER PIPING
---	DOMESTIC HOT WATER PIPING
---	HOT WATER RECIRC. PIPING
G	GAS PIPING
RD	ROOF DRAIN PIPING
OF	OVERFLOW PIPING
A	AIR PIPING
---	PIPE DROP
---	PIPE RISE
---	GATE VALVE
---	BALL VALVE
---	CHECK VALVE
---	CIRCUIT SETTER
---	GAS PRESSURE REGULATOR
---	STRAINER
---	HORIZONTAL UNIT HEATER
---	FURNACE OR FAN COIL UNIT



CUSTOM SINK S-4 DETAIL
NO SCALE

FIXTURE SCHEDULE					
SYM.	DESCRIPTION	HOT	COLD	WASTE	VENT
BF-1	BOTTLE FILL STATION - ELKAY MODEL EZWSM8PK IN-WALL BOTTLE FILLING STATION WITH 8 GPH CAPABILITY, AND IN-WALL FRAME, 1/2" COLD WATER CONNECTION AND 1-1/2" P-TRAP. (115601)	---	1/2"	1-1/2"	1-1/2"
FD-1	2' FLOOR DRAIN - ZURN Z-415 WITH 5'0" TYPE 'B' STRAINER AND 2" DEEP SEAL P-TRAP. PROVIDE WITH TRAP PRIMER CONNECTION. REFER TO DETAILS AP2.2 FOR TYPICAL INSTALLATION AND 1/2" COLD WATER LINE CONNECTION.	---	1/2"	2"	2"
L-1	UNDERMOUNTED LAVATORY - K-2210-96 'CAXTON' WITH K-1715 OPEN GRID STRAINER, DECK MOUNTED SLOAN EBF-167 OPTIMA AUTO FAUCET (BATTERY), WALL CARRIER, 1/2" STOPS & 1-1/2" P-TRAP. PROVIDE INSULATING JACKET ON WATER & WASTE PIPING.	1/2"	1/2"	1-1/2"	1-1/2"
NG-1	MED GAS OUTLETS - CHEMTRON SERIES 500 OUTLETS MOUNTED MODULARLY. PROVIDE (1) VACUUM, (1) OXYGEN AND (1) MED AIR PORTS. LABEL EACH PORT RESPECTIVELY. CONNECT 1/2" COMPRESSED AIR TO MED AIR AND OXYGEN PORTS. CONNECT 3/4" VACUUM LINE TO VACUUM PORT. PROVIDE SLIDE FOR VACUUM PORT. REFER TO DETAIL EP2.2 FOR TYPICAL INSTALLATION.	---	---	---	---
NG-2	MED GAS OUTLETS - CHEMTRON SERIES 500 OUTLETS MOUNTED MODULARLY. PROVIDE (2) VACUUM, (2) OXYGEN AND (2) MED AIR PORTS. LABEL EACH PORT RESPECTIVELY. CONNECT 1/2" COMPRESSED AIR TO MED AIR AND OXYGEN PORTS. CONNECT 3/4" VACUUM LINE TO VACUUM PORT. PROVIDE SLIDE FOR VACUUM PORT. REFER TO DETAIL EP2.2 FOR TYPICAL INSTALLATION.	---	---	---	---
NG-3	MED GAS OUTLETS - CHEMTRON SERIES 500 OUTLETS MOUNTED MODULARLY. PROVIDE (2) VACUUM, (2) OXYGEN, (2) MED AIR PORTS, (1) NITROGEN AND (1) NITROUSOXIDE. LABEL EACH PORT RESPECTIVELY. CONNECT 1/2" COMPRESSED AIR TO MED AIR, NIT, NO2, AND OXY PORTS. CONNECT 3/4" VACUUM LINE TO VACUUM PORT. PROVIDE SLIDE FOR VACUUM PORT. REFER TO DETAIL EP2.2 FOR TYPICAL INSTALLATION.	---	---	---	---
RP-1	HOT WATER RECIRC. PUMP - B&G SERIES LR-20BF 'LITTLE RED' WITH 4 GPM FLOW AT 8' HEAD AND 3/4" LINE CONNECTIONS. MOUNT NEAR WATER HEATER. REFER TO DETAIL CP3.1 FOR TYPICAL PIPE CONNECTION.	3/4"	---	---	---
S-1	EXAM SINK - ELKAY LR-1919 WITH LK-232-SH-5 LEVER HANDLE FAUCET, LK-35 DUO STRAINER, 1/2" STOPS AND 1-1/2" P-TRAP.	1/2"	1/2"	1-1/2"	1-1/2"
S-2	UTILITY SINK - ELKAY MODEL DLR 221910 STAINLESS STEEL SINK WITH T&S BRASS MODEL B-2865-04 GOOSENECK FAUCET WITH WRIST BLADE HANDLES, LK-35 DUO STRAINER, 1/2" STOPS AND 1-1/2" P-TRAP.	1/2"	1/2"	1-1/2"	1-1/2"
S-3	UTILITY SINK - ELKAY MODEL S60194 STAINLESS STEEL SINK WITH DRAIN BOARD ON BOTH SIDES, T&S BRASS MODEL B-2865-04 GOOSENECK FAUCET WITH WRIST BLADE HANDLES, LK-35 DUO STRAINER, 1/2" STOPS AND 1-1/2" P-TRAP.	1/2"	1/2"	1-1/2"	1-1/2"
S-4	UTILITY SINK - ELKAY CUSTOM 72" L x 24" D x 10" H STAINLESS STEEL SINK WITH LEG SUPPORTS AND BACK SPLASH, T&S BRASS MODEL B-013-CRBTKIT WALL MOUNTED FAUCET WITH WRIST BLADE HANDLES AND 44" FLEXIBLE STAINLESS STEEL WITH PRE-RINSE NOZZLE, LK-35 DUO STRAINER, 1/2" WATER SUPPLIES AND 1-1/2" P-TRAP. SEE DETAIL ON THIS SHEET.	1/2"	1/2"	1-1/2"	1-1/2"
TP-1	TRAP PRIMER - ZURN Z-1022XL TRAP PRIMER SYSTEM. MOUNT RECESSED IN WALL WITH COVER. RUN 1/2" COLD WATER LINE TO EACH TRAP AS SHOWN ON LARGE SCALE PLAN (SHEET P2.1). REFER TO DETAIL AP2.2 FOR TYPICAL INSTALLATION.	---	1/2"	---	---
VP-1	VACUUM PUMP - CHEMTRON MODEL OPS030 WITH (2) 3 HP COMPRESSORS (208/60/3), 120 GALLON RECEIVING TANK, 15.2 SFPM, 1" SUCTION LINE CONNECTION AND 3/4" EXHAUST LINE RAN TO OUTDOORS. REFER TO DETAIL HP2.2 FOR TYPICAL PIPING CONNECTIONS.	---	---	---	---
WC-1	ADA WATER CLOSET - KOHLER K-96057 'HIGHCLIFF' WITH ELONGATED BOWL, K-4670C WHITE OPEN FRONT SEAT, SLOAN 8111 OPTIMA PLUS BATTERY POWERED SENSOR FLUSH VALVE AND CHINA BOLT CAPS	---	1"	4"	2"
WH-1	WATER HEATER - A.O SMITH MODEL ECL-50 WITH 50 GALLON CAPACITY, (2) 4.5 KW NON-SIMULTANEOUS ELEMENTS (208/60/1), 3/4" SUPPLIES AND T&P RELIEF VALVE, THERMAL EXPANSION TANK, HEAT TRAP NIPPLES AND SYMMONS 7-200 MIXING VALVE.	3/4"	3/4"	---	---



PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

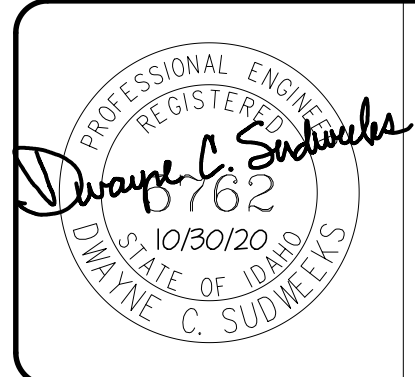
Plan Review Approved with conditions Water Hammer Arresters required for all quick-acting valves ISPC 609.10

PLAN NOTES:

- EXISTING GAS METER TO REMAIN. PROTECT DURING CONSTRUCTION. GAS COMPANY TO ADJUST EXISTING METER FOR NEW 500,000 BTU LOAD. METER TO HAVE 0.5 PSI DISCHARGE PRESSURE.
- EXISTING GAS PIPING BELOW GRADE TO REMAIN. PROTECT EXISTING GAS PIPING DURING CONSTRUCTION.
- EXISTING GAS LINE UP WALL AND ABOVE EXISTING CEILING TO REMAIN. PROTECT DURING CONSTRUCTION. REFER TO SHEET P1.2 FOR NEW ROOF TOP EQUIPMENT TO BE CONNECTED TO EXISTING GAS PIPING.
- DISCONNECT ALL EXISTING COMPRESSED AIR LINES AND OUTLETS AND ALL EXISTING EXPOSED GAS PIPING TO UNIT HEATERS AND FURNACE UNLESS NOTED OTHERWISE. EXISTING COLD WATER LINE TO REMAIN. PROTECT COLD WATER PIPING DURING CONSTRUCTION. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS, SIZES, AND LOCATIONS OF ALL EXISTING PIPING.
- EXISTING COMPRESSED AIR PIPING TO REMAIN. DISCONNECT AND REMOVE ALL EXISTING COMPRESSED AIR PIPING IN REMODELED AREA AS CALLED OUT. REFER TO SHEET P1.2 FOR NEW COMPRESSED AIR PIPING TO BE CONNECTED TO EXISTING AT THIS POINT. ALL UPSTREAM COMPRESSED AIR PIPING TO EXISTING COMPRESSOR TO REMAIN. FIELD VERIFY EXISTING CONDITIONS.
- EXISTING UNIT HEATER OR FURNACE TO BE REMOVED BY MECHANICAL CONTRACTOR. PLUMBING CONTRACTOR TO DISCONNECT AND REMOVE EXISTING GAS PIPING AND ANY CONDENSATE PIPING OR PUMPS.
- EXISTING COLD WATER SERVICE LINE TO BUILDING TO REMAIN. PROTECT VERTICAL PIPING AND EXISTING PIPING ALONG WALLS TO OTHER SECTION OF BUILDING. FIELD VERIFY SIZES AND LOCATIONS OF EXISTING PIPING TO REMAIN. DISCONNECT AND REMOVE ALL EXISTING BRANCH LINES IN THIS REMODEL AREA WHICH FEED EXISTING FIXTURES. REFER TO SHEET P1.2 FOR NEW FIXTURES AND DOMESTIC WATER PIPING TO BE CONNECT TO EXISTING MAIN LINE.
- DISCONNECT AND REMOVE EXISTING EXTERIOR HOSE BIBB AND ALL EXPOSED PIPING ABOVE FLOOR. CUT EXISTING PIPING BELOW FLOOR AND ABANDON ALL UNDERFLOOR PIPING IN PLACE. REFER TO ARCHITECTURAL DRAWINGS FOR CUTTING AND PATCHING OF EXISTING FLOORS.
- EXTERIOR HOSE BIBB TO REMAIN. RECONNECT 3/4" COLD WATER LINE INSIDE BUILDING WITH NEW SHUT-OFF VALVE. NEW CONNECTION AND VALVE TO BE WITHIN NEW FURRED WALL WITH ACCESS DOOR FOR VALVE.
- DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE. ALL EXISTING WATER PIPING TO BE REMOVED BACK TO MAIN SERVICE LINE. ALL VENT PIPING TO BE REMOVED UP THRU ROOF UNLESS NOTED OTHERWISE. ALL WASTE PIPING TO BE REMOVED TO BELOW FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR CUTTING AND PATCHING OF EXISTING WALLS, ROOF AND FLOORS. FIELD VERIFY EXACT SIZES AND LOCATIONS OF EXISTING PIPING. REFER TO SHEET P1.2 FOR NEW FIXTURES AND PIPING TO BE INSTALLED.
- EXISTING 2" VENT THRU ROOF TO REMAIN. DISCONNECT EXISTING VENT PIPING AT 8' BELOW ROOF DECK AND REMOVE EXISTING PIPING DOWN TO EXISTING FIXTURES. REFER TO SHEET P1.2 FOR NEW VENT PIPING TO BE CONNECTED TO EXISTING 2" VENT THRU ROOF.
- EXISTING FLOOR DRAIN TO BE DISCONNECTED AND REMOVED. CAP EXISTING WASTE PIPING BELOW FLOOR AND ABANDON ALL EXISTING UNDERFLOOR WASTE PIPING. FIELD VERIFY EXACT SIZES AND LOCATIONS OF EXISTING FLOOR DRAINS AND PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR CUTTING AND PATCHING OF FLOORS.
- EXISTING ROOF DRAIN AND ROOF DRAIN PIPING TO REMAIN. PROTECT DURING CONSTRUCTION. REFER TO ARCHITECTURAL DRAWINGS FOR NEW ROOF WORK. REMOVE ROOF DRAIN AS REQUIRED FOR NEW ROOF PATCHING AND RE-INSTALL AFTER WORK HAS BEEN COMPLETED.
- APPROXIMATE LOCATION OF EXISTING DOMESTIC WASTE LINE BELOW FLOOR. PLUMBING CONTRACTOR TO FIELD VERIFY ACTUAL LOCATION, SIZE AND ELEVATION OF EXISTING PIPING. REFER TO SHEET P1.2 FOR NEW FIXTURES TO BE CONNECTED TO EXISTING WASTE LINE AND TO ARCHITECTURAL DRAWINGS FOR CUTTING AND PATCHING OF EXISTING CONCRETE FLOOR.

GENERAL NOTE:
CONTRACTOR MUST COORDINATE SCHEDULE WITH ISU AND PROVIDE TWO WEEKS NOTICE FOR ANY UTILITY OUTAGES.

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS
DATE ORIGINAL SIGNED: Oct 30, 2020
ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
1355 EAST CENTER, POCATELLO, IDAHO 83201



Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 19069

DBS APPROVAL

BLD2009-00014
REVIEWED FOR CODE COMPLIANCE
This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.
SEPARATE BUILDING PERMIT REQUIRED FOR CONSTRUCTION

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JHS
JENSEN HAYES SHROPSHIRE ARCHITECTS, P.A.

COT NURSING DPW#17240, RFC BUILDING
IDAHO STATE UNIVERSITY
777 MEMORIAL DRIVE, POCATELLO, IDAHO
PLUMBING DEMO PLAN AND SCHEDULES

REVISIONS:
DATE: OCT 20
DRAWING NO. P1.1
JOB NO. 1912
OF