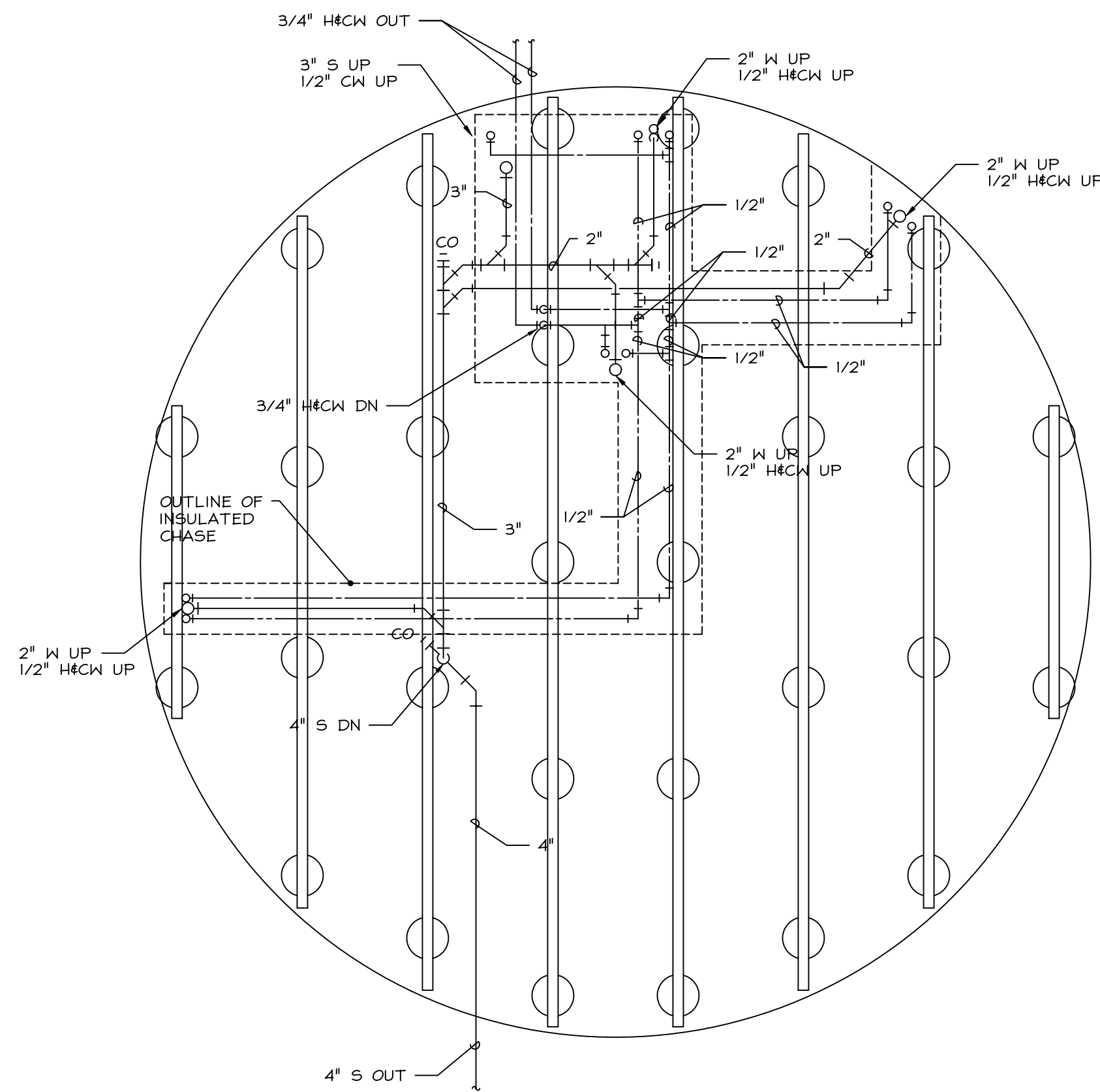
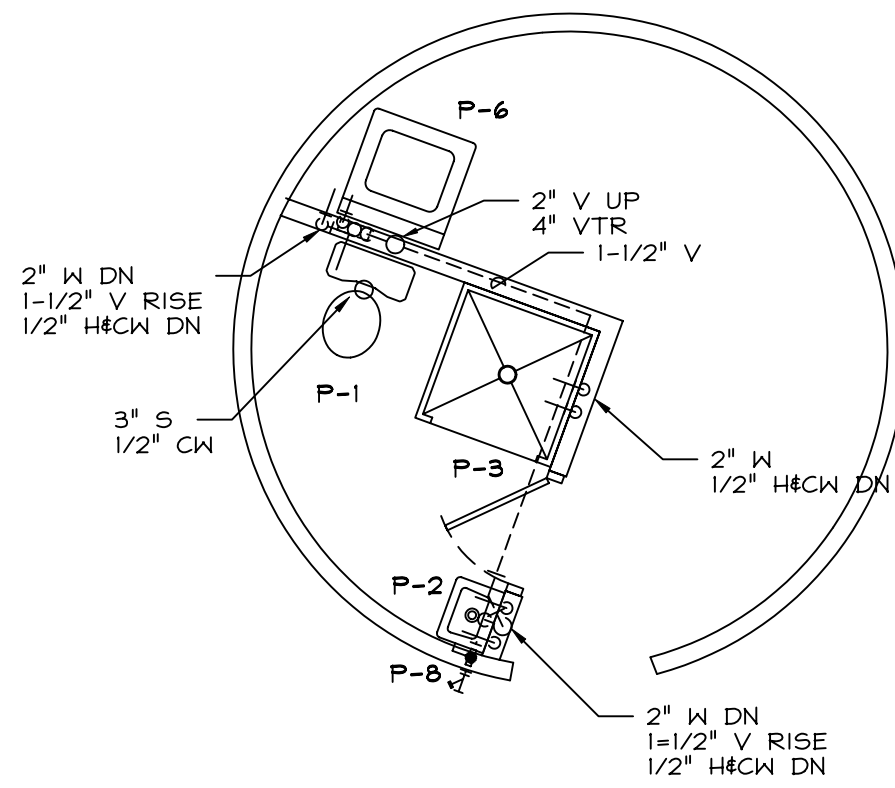


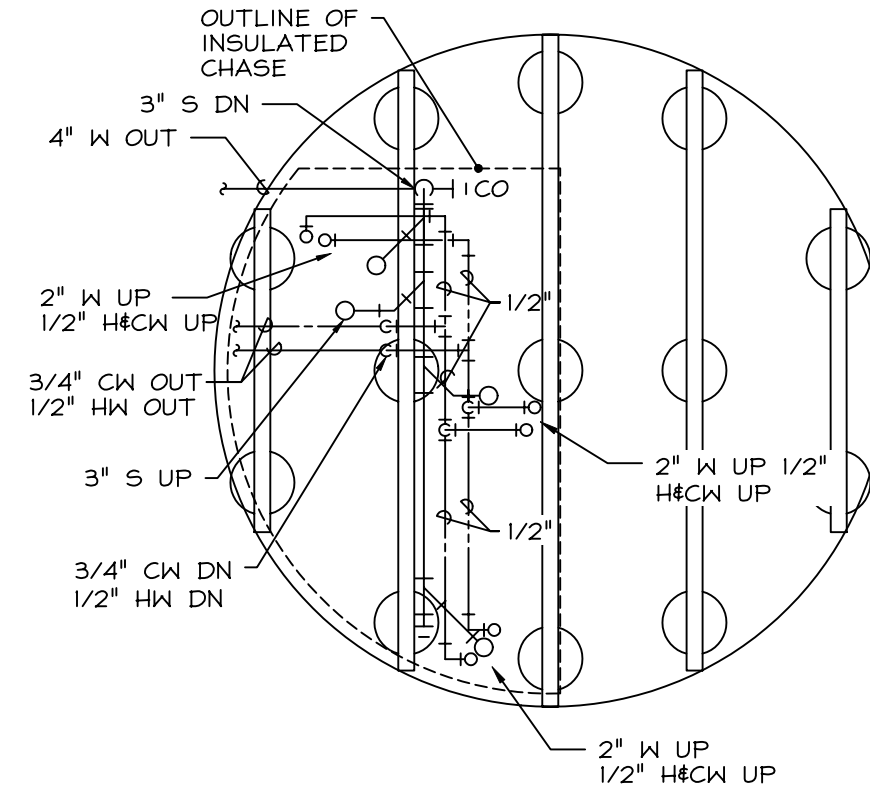
PLUMBING PLAN
SCALE: 1/4"=1'-0"



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



WELCOME CENTER PLUMBING PLAN
SCALE: 1/4"=1'-0"



WELCOME CENTER BELOW FLOOR PLUMBING PLAN
SCALE: 1/4"=1'-0"

FIXTURE CONNECTION SCHEDULE

SY	FIXTURE	SUP	TRP	MINIMUM BRANCH SIZE			REMARKS
				W&T	VENT	COLD	
P-1	WATER CLOSET	3/8"	-	3"	2"	1/2"	1/2"
P-2	LAVATORY	3/8"	1-1/4"	1-1/2"	1-1/2"	1/2"	1/2"
P-3	SHOWER	1/2"	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"
P-4	TUB	1/2"	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"
P-5	KITCHEN SINK	1/2"	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"
P-6	CLOTHES WASHER	1/2"	2"	2"	1-1/2"	1/2"	1/2"
P-7	MOP SINK	1/2"	2"	2"	1-1/2"	1/2"	1/2"
P-8	WALL HYDRANT	3/4"	-	-	-	3/4"	-

PIPE AND FITTING SCHEDULE

SERVICE	SIZE	TEST PSI	PIPE		FITTINGS		REMARKS
			TYPE	SCH	TYPE	SCH	
SOIL, WASTE & VENT	ALL	CODE	CI	NH	CI	NH	
SOIL, WASTE & VENT	ALL	CODE	PVC	40	PVC	DHW	
DOMESTIC WATER ABOVE GROUND	ALL	200	CUL	STD	CUS	STD	
DOMESTIC WATER BELOW GROUND	ALL	200	CUK	STD	CUS	STD	

VALVE SCHEDULE

SERVICE	SIZE	TYPE				REMARKS
		GATE	GLOBE	CHECK	BALL	
DOMESTIC WATER	ALL	-	GLVT	CVT	BVT	-

EQUIPMENT SCHEDULE

EQUIPMENT	CAPACITY	ELECTRICAL				REMARKS
		KVA	HP	VLT	PH	
WATER HEATER	- GPH @ 100°RISE	-	-	-	-	
RECIRC PUMP	- GPM @ 5 FT TDH	-	-	-	1	

INSULATION SCHEDULE

SERVICE	TYPE	THICKNESS	REMARKS
DOMESTIC HW, CW	FIBERGLASS	1"	
DOMESTIC HW, CW	CELLULAR FOAM	1/2"	

ABBREVIATIONS

SYMBOL	DESCRIPTION
A	AMPERAGE
AC	ALTERNATING CURRENT
AMPS	AMPERAGE
AD	ACCESS DOOR
ADJ	ADJUSTABLE
AP	ACCESS PANEL
CALC	CALCULATE
CALIBR	CALIBRATE
CD	CEILING DIFFUSER
CF OR FT2	CUBIC FEET
CLG	CEILING
CO	CLEANOUT
CODP	CLEANOUT DECK PLATE
CW	COLD WATER
D	DAMPER
DC	DIRECT CURRENT
DD	DIRECT DRIVE
DDC	DIRECT DIGITAL CONTROL
DS	DISCONNECT SWITCH
(E)	EXISTING
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HW	HOT WATER
HWC	HOT WATER CIRC.
LDR	RAIN LEADER
LF	LINEAL FEET
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NL	NOT LISTED
NR	NOT REQUIRED
NTS	NOT TO SCALE
NS	NOT SPECIFIED
PF	POWER FACTOR
PH	PHASE
PS	STATIC PRESSURE
PT	TOTAL PRESSURE
PV	VELOCITY PRESSURE
RPM	REVOLUTIONS PER MINUTE
RD	ROOF DRAIN
RTN	RETURN
S	SOIL
SF	SERVICE FACTOR
SS	STATIC PRESSURE SENSOR
SUP	SUPPLY
TCC	TEMPERATURE CONTROL CONTR.
V	VOLTS OR VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE
VAR	VARIABLE
VD	VOLUME DAMPER
V	VENT
W	WASTE

LEGEND

SYMBOL	DESCRIPTION
-----	SOIL AND WASTE
-----	VENT
-----	COLD WATER
-----	HOT WATER
-----	HOT WATER CIRC.
---SD---	STORM DRAINAGE
---ID---	INDIRECT WASTE
---140°F---	TEMPERED HOT WATER (TEMP. °F)
---FP---	FIRE PROTECTION PIPING
---G---	MEDIUM PRESSURE GAS PING
---FOS---	FUEL OIL SUPPLY
---FOR---	FUEL OIL RETURN
---FOV---	FUEL OIL VENT
---A---	COMPRESSED AIR
---V---	VACUUM
---C---	CONDENSATE
---	DIRECTION OF PITCH
---	UNION
---	PIPE GUIDE
---	PIPE ANCHOR
---	FLEXIBLE CONNECTION
---	HAMMER ARRESTOR
---	THERMOMETER
---	BALL VALVE
---	BALANCING VALVE
---	PRES. RED. VALVE
---	WATER METER
---	VALVE ON RISER
---	CHECK VALVE
---	TEMPERATURE & PRESSURE RELIEF VALVE
---	PRESSURE GAUGE
CO ---	CLEANOUT
---	CLEANOUT DECK PLATE
---	CONNECT TO EXISTING
---	FLOOR DRAIN
---	HOSE BIBB
---	WALL HYDRANT

- GENERAL NOTES**
- DESCRIPTION
 - THE SCOPE OF WORK IS TO PROVIDE LABOR, MATERIALS, SERVICES, SUPPLIES, TOOLS, EQUIPMENT, PERMITS, TRANSPORTATION AND FACILITIES NECESSARY TO FURNISH AND INSTALL THE COMPLETE AND OPERABLE SYSTEMS AS INDICATED ON THE DOCUMENTS.
 - QUALITY ASSURANCE
 - THE COMPLETE INSTALLATION SHALL BE IN COMPLIANCE WITH THE APPLICABLE LATEST OR ACCEPTED EDITION OF THE IPC, NFPA, AND OTHER APPLICABLE RULES AND REGULATIONS AS PRESCRIBED BY THE ADMINISTRATIVE AUTHORITY.
 - PERMITS AND FEES
 - THE CONTRACTOR SHALL ASSIST THE OWNER WITH ANY PERMITS THAT WILL BE NECESSARY. THE OWNER WILL PAY FOR ALL PERMITS.
 - SUBMITTALS
 - PROVIDE COMPLETE CATALOG INFORMATION FOR MATERIALS AND EQUIPMENT. INFORMATION REQUIRED INCLUDES COVER SHEET, EQUIPMENT MANUFACTURER, CAPACITY, TYPE, CURVES, CERTIFICATION, ACCESSORIES, PHYSICAL AND PERFORMANCE DATA, FINISHES, MATERIALS AND LOCATION. SUBMIT PRIOR TO INSTALLATION OR PURCHASE. NO INSTALLATION IS PERMITTED PRIOR TO REVIEW.
 - CONFIRM DIMENSIONS AT JOB SITE TO INSURE THAT ITEMS TO BE FURNISHED FIT THE SPACE AVAILABLE.
 - INTENT OF DRAWINGS
 - THESE DRAWINGS ARE DIAGRAMMATIC ONLY AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT. BASIC DESIGN CONCEPTS MUST BE FOLLOWED OR BETTERED. DO NOT SCALE DRAWINGS, FIELD VERIFY DIMENSIONS AND FIELD CONDITIONS.
 - IT IS NOT INTENDED THAT DRAWINGS SHOW EVERY DETAIL. PROVIDE OFFSETS, CHANGES IN ELEVATION AND ITEMS NECESSARY FOR PROPER INSTALLATION AND OPERATION OF SYSTEM SO THAT WORK WILL BE COMPLETE AND READY FOR OPERATION.
 - COORDINATE WORK WITH OTHER TRADES, BUILDING CONDITIONS AND STRUCTURAL CONDITIONS PRIOR TO INSTALLATION.
 - IN THE EVENT OF A DISCREPANCY, IMMEDIATELY NOTIFY THE OWNER. DO NOT PROCEED WITH INSTALLATION IN AREAS OF DISCREPANCY UNTIL SUCH DISCREPANCIES HAVE BEEN RESOLVED.

Design By: JFP	SKG
Drawn By: JFP	SKG
Checked By: JFP	SKG
Scale: AS NOTED	AS NOTED
Date: SEPT 2005	AS NOTED
Proj. No. 05023.00	AS NOTED

Notice: A Professional Engineer's Seal attached hereto indicates that these documents have been prepared in accordance with the State of New Hampshire Licensing requirements, and shall bear the Engineer's name licensed and responsible for its content. These documents were prepared solely for the project indicated. No part of these documents or any information contained hereon shall be used or reproduced in any other project without the prior written consent of the Professional Engineer or State Licensing Laws.

John F. Penney Consulting Services, P.C.
Professional Engineering
License # 0000000000
Commission # 0000000000
1501 Fabyan Road, Concord, Vermont 05732
Phone: (802) 253-5300 Fax: (802) 253-5300

VERMONT
YIPPEE PROJECT
WILLIAMSVILLE
PLUMBING PLANS

P-1