<u>PLUMBIN</u>	<u>G LEGEND</u>					
W W U/G V	SANITARY SEWER (WASTE) SANITARY SEWER U/G (WASTE U/G) VENT (V)					
<u> CW_U/G</u>	UNDERGROUND COLD WATER PIPING (U/G)					
—— cw ——— cw ——	COLD WATER (CW) INSULATED 1" THICK WITH VAPOR BARRIER					
— нw — нw —	HOT WATER (HW) INSULATED 1" THICK WITH					
HHW	HIGH TEMPERATURE HOT WATER (HHW) SUPPLY 140 F T 1"THICK INSULATION WITH VAPOR BARRIER					
P-# C.O. F.C.O. W.C.O. V.T.R. F.P.H.B.	FIXTURE NUMBER - SEE PLUMBING SCHEDULE CLEAN OUT FLOOR CLEAN-OUT W/ BRASS COVER WALL CLEAN-OUT W/ CHROME COVER VENT THRU ROOF FREEZE PROOF HOSE BIBB					
0	PIPE UP - INSULATED					
(———	PIPE DOWN - INSULATED					
\(\sigma - \psi \)	SANITARY RISER REFERENCE NUMBER					

P-23 HOT WATER EXPANSION TANK

I. ALL FIXTURES SHALL BE WHITE UNLESS NOTED OTHERWISE.

P-16 ICE MAKER CUBE STYLE - NOT-IN-CONTRACT

2. ALL WORK SHALL COMPLY WITH THE 2012 INTERNATIONAL MECHANICAL AND PLUMBING CODES, NATIONAL ELECTRICAL CODE, AND LOCAL GOVERNING CODES AND PERMITS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS. 3. ALL INTERIOR HOT, COLD & RETURN WATER LINES SHALL BE INSULATED. HOT WATER LINES AND EXPOSED DRAINS SHALL BE INSULATED W/ WHITE PLASTIC JACKET

PLUMBING FIXTURE SCHEDULE

DESCRIPTION

WATER CLOSET - HANDICAP

P-2 | WATER CLOSET - STANDARD

P-3 | WALL HUNG LAVATORY-H.C.

P-6 FROST-PROOF HOSE BIBB

P-4 SS HAND SINK

P-5 | URINAL - H.C.

P-7 | MOP SERVICE SINK

P-8 DRINKING FOUNTAIN

P-9 SUMP PUMP & BASIN

|P-10| KITCHEN MOP SERVICE SINK

|P-12|3-COMPARTMENT SS SINK

P-14 DISHWASHER, DOOR TYPE

P-13 SOILED DISHTABLE

P-15 BEVERAGE COUNTER

P-19 GREASE INTERCEPTOR

P-18 FLOOR SINK

P-11 FOOD WASHING SS TABLE W/SINK

P-17 S.S. BAR SINK W/FAUCET & TRAP

|P-20| FLOOR DRAIN W/TRAP PRIMER

P-21 HOT WATER EXPANSION TANK

P-22 THERMOSTATIC MIX VALVE

MINIMUM CONNECTIONS INCHES

1/2 | -- | 4 | 2

3/4 | -- | -- |

-- | -- | 2 | --

1/2 | 1/2 | 2 | 1 1/2

| 1/2 | 1/2 | 2 | 1 1/2 |

-- | -- | 3 | 1 1/2

1/2 | -- | 3 | 1 1/2

-- | 3/4 | -- | --

-- |1/2 | --

1/2 | 1/2 | 4 | 2

COLD | HOT | WASTE | VENT | REMARKS

1/2 | 1/2 | 2 | 1 1/2 | A.D.A.& SENSOR FAUCET

1/2 | 1/2 | 2 | 1 1/2 | W/FAUCET & TRAP

3/4 | 3/4 | 3 | 1 1/2 | W/ VACUUM BREAKER

3/4 | 3/4 | 3 | 1 1/2 | W/ VACUUM BREAKER

3/4 | 3/4 | 2 | 1 1/2 | W/ 2 DRAIN BOARDS

-- | -- | 3 | -- | IN-FLOOR TYPE

1 | 1 | -- | -- | W/ CABINET

1/2 | 1/2 | 2 | 1 1/2 | W/TEMP. MIXING VALVE 110F

| 1/2 | -- | 3 | 1 1/2 | W/BACKFLOW & FLOOR SINK

1/2 | 1/2 | 2 | 1 1/2 | W/TEMP. MIXING VALVE 110F

INCOMING SIDE FOR HW-

INSTALL ON COLD WATER

INCOMING SIDE FOR HW-2.

1/2 | -- | 1 1/2 | 1 1/4 | A.D.A. COMPLIANT LOW/HIGH

3/4 | -- | 2 | 1 1/2 | A.D.A. COMPLIANT

A.D.A. COMPLIANT

IMARKI

DESCRIPTION

P−1 | WATER CLOSET - HANDICAP

|P-2| WATER CLOSET - STANDARD

|P-3| WALL HUNG LAVATORY-H.C.

P-6 FROST-PROOF HOSE BIBB

P-4 S.S. HAND SINK

P-5 URINAL - H.C.

P-7 | MOP SERVICE SINK

P-8 DRINKING FOUNTAIN

P-13 SOILED DISHTABLE

P-15 | BEVERAGE COUNTER

P-19 GREASE INTERCEPTOR

P-17 S.S BAR SINK

P-18 FLOOR SINK

P-9 SUMP PUMP & BASIN

|P-10| KITCHEN MOP SERVICE SINK

|P-12| 3-COMPARTMENT SS SINK

P-14 DISHWASHER, DOOR TYPE

|P-16| ICE MAKER - NOT IN CONTRACT

P-20 FLOOR DRAIN W/TRAP PRIMER

P-21 HOT WATER EXPANSION TANK

P-23 HOT WATER EXPANSION TANK

P-22 THERMOSTATIC MIX VALVE

P-11 FOOD WASHING TABLE W/SINK

INSULATION TO PREVENT TOUCH BY HANDICAP (TRUEBRO LAV GUARD OR EQUAL). PIPE INSULATION 1 1/2"THICK IN ABOVE CEILINGS AND 1" THICK IN WALLS. 4. CONTRACTOR SHALL PROVIDE ALL NECESSARY FITTINGS, FIXTURES, & VALVES TO MAKE A COMPLETE AND OPERATING SYSTEM. ALL PIPING SHALL BE RUN INSIDE ABOVE CEILING, OR EXPOSED AT MAXIMUM HEIGHT UNLESS SHOWN OTHERWISE. ALL PIPE PENETRATIONS OF FIRE RATED CEILINGS AND WALLS SHALL HAVE FIRE SEALANT/CAULKING PER MANUFACTURER AND CODE. 5. CONTRACTOR SHALL COORDINATE CONNECTION OF WATER AND SEWER SYSTEMS WITH SITE CONTRACTOR, OWNER, AND ARCHITECT. CONTRACTOR SHALL

COORDINATE SHUTDOWN OF UTILITY SYSTEMS WITH LOCAL UTILITY CO. & OWNER PRIOR TO MAKING FINAL CONNECTIONS TO WATER AND SANITARY SEWER MAINS. 6. CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE AND ACCESSORIES TO INSTALL ALL FIXTURES. INSTALL HANDICAP FIXTURES IN COMPLIANCE WITH ADA. 7. PLUMBER/INSTALLER SHALL INSURE THAT PIPES ARE ADEQUATELY INSULATED TO PREVENT FREEZING. PLUMBER SHALL USE FIBERGLASS INSULATION WITH VAPOR

BARRIER (OWENS CORNING OR EQUAL). 8. PLUMBING CONTRACTOR SHALL FIELD COORDINATE FINAL LOCATION OF WATER, STORM, SANITARY SEWER AND VENT PIPING W/ G.C., STRUCTURAL, MECHANICAL, ELECTRICAL AND SPRINKLER CONTRACTORS AND ADJUST FINAL LOCATIONS BASED ON FINAL FIELD CONDITIONS TO AVOID INTÉRFERENCES.

9. CONTRACTOR SHALL OBTAIN THE SERVICES OF A LICENSED AND CERTIFIED WATER TREATMENT CONTRACTOR TO TEST THE WATER AND INSTALL A COMPLETE AND OPERATIONAL WATER TREATMENT SYSTEM. THE TREATMENT SYSTEM SHALL BE BASED ON A MAXIMUM PEAK FLOW OF 34 GPM.

FIRE PROTECTON SCOPE OF WORK:

PLUMBING FIXTURE SCHEDULE

OTO MODEL CST454CEF W/ SC534 SEAT, BOLT CAPS, ND CHROME SHUTOFF VALVE AND A.D.A. COMPLIANT OTO MODEL CST454CEF W/ SC534 SEAT, BOLT CAPS, ND CHROME SHUTOFF VALVE.

MANUFACTURER OR APPROVED EQUAL

EAGLE MODEL HSA-10-FAW WITH GOOSENECK FAUCET, SPLASH BACK, P-TRAP,

HOT AND COLD WATER, STOPS, AND CHROME STRAINER.

KOHLER K-5016-ET W/ WALL CARRIER, SLOAN ROYAL 180-1.0 FLUSH
VALVE, COLD WATER, DRAIN/VENT, AND INSTALL AT ADA HEIGHT.

ZURN Z5850 28 X 28 CORNER FLOOR SINK, W/ DRAIN & STRAINER, ZURN Z843M1 8" FAUCET W/ VACUUM BREAKER, AND MOP HOLDER.

AND HOT WATER SERVICE STOP AND 2" INDIRECT DRAIN.

DRAIN COCK, SHUTOFF VALVES & ALL PIPING & FÍTTINGS.

SYMMONS MODEL 6-200 W/ SURFACE MOUNTED CABINET

DRAIN COCK, SHUTOFF VALVES & ALL PIPING & FITTINGS.

AMERICAN STANDARD ROXALYN WALL HUNG LAVATORY W/ WALL CARRIER, CHROME GRID DRAIN, 6058.105 SINGLE INLET FAUCET, 115V POWER SUPPLY, LED SENSOR, TEMP. MIX VALVE, A.D.A. COMPLIANT W/ TRUEBRO LAVGUARD INSULATION.

JOSAM HYDRASAN I SERIES 71050 OR APPROVED EQUAL W/ KEY CONTROL FITTING AND INTEGRAL VACUUM BREAKER.

EAGLE MODEL F1916-12 WITH T&S MODEL B-0665-BSTR SERVICE FAUCET W/VACUUM BREAKER, #312689 HOSE & BRACKET, MODEL 321561 4-POLE MOP HOLDER WITH COLD/HOT WATER SERVICE STOPS AND DRAIN.

EAGLE S.S. WASHING TABLE WITH MODEL E24 S.S. SINK COMPLETE WITH FAUCET AND BASKET DRAIN, HOT AND COLD WATER, STOPS, AND CHROME STRAINER.

EAGLE MODEL 412-16-3-18 WITH T&S MODEL B-0230-LN FAUCET W/ MODEL 063X SPOUT, STRAIN BASKETS, , WITH COLD/HOT WATER SERVICE STOPS AND DRAIN.

EAGLE MODEL SDTR-30-16/4 WITH T&S MODEL B-0113-08-LN FAUCET W/44" FLEXIBLE SS HOSE ASSY, STRAIN BASKETS, RACK SLIDES & EASYINSTALL PRE-RINSE UNIT 1.48 GPM AND COLD/HOT WATER SERVICE STOPS AND DRAIN.

MEIKO MODEL CS 70 KUBE, 40-50 RACKS/HR, 3/4 HP, 115/1/60, PROOF OF DELIVERY CHEMICAL WINDOW, AND HOT WATER SERVICE STOP AND 2" INDIRECT DRAIN

J.R. SMITH MODEL 8335GT, 35 GPM, 70 LB. CAP., VENTED FLOW CONTROL VALVE, RECESSED, LIFT OUT SEDIMENT BUCKET, TRAFFIC RATED

HALSEY TAYLOR MODEL OVL-II E W/ STAINLESS STEEL AND MOUNTING HARDWARE. MOUNT PER A.D.A. LOW/HIGH & CODE.

ZOELLER OIL SMART SYSTEM 940-0005 W/ 2"OUTLET, 20 GPM AT 15 FT. HEAD PRESSURE, 115/1/60, 0.3HP PUMP MOTOR. PROVIDE OIL SMART ALARM SYSTEM W/LIGHTS, AUDIBLE ALARM, & DRY CONTACTS & BASIN.

EAGLE MODEL BEV30114SE-10BSL WITH FAUCET LOUVERED GRATE, RACK SLIDES 8" O.C., COLD/HOT WATER SERVICE STOPS, ADJUSTABLE TEMPERATURE MIX VALVE ON HOT WATER 110 F AND DRAIN.

JONESPEC FD-2377-NH4, 12" X 12" A.R.C. FLOOR SINK, 10"SUMP DEPTH WITH STRAINER.

PLUMBING PRODUCTS) PRIME-RITE TRAP PRIMER VALVE/DISTRIBUTION UNIT. AMTROL ST-12-C NŚF RATED EXPANSION TANK W/ PRESSURE GAGE,

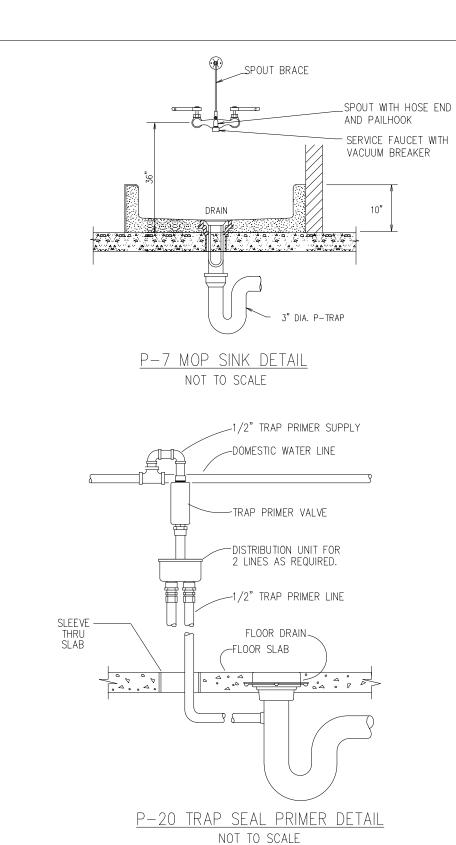
AT STANDARD PRESSURE DROP, WALL MOUNTING BRACKET, AND ALL ACCESSORIES. AMTROL ST-5 NSF RATED EXPANSION TANK W/ PRESSURE GAGE,

ICE-O-MATIC MODEL ICE0500FR, 115/1/60,,14.9 AMPS, WATER FILTER MANIFOLD, R-404A REFRIGERANT, AND COLD WATER SERVICE STOP AND 3" FLOOR SINK..

EAGLE MODEL SR10-14-9.5-1 WITH GOOSENECK FAUCET, COUNTERTOP SELF RIMMING, P-TRAP, HOT AND COLD WATER, STOPS, ADJUSTABLE TEMPERATURE MIX VALVE ON HOT WATER 110 F AND CHROME STRAINER.

COVER-H20, ACID RESISTANT COATING INSIDE & OUTSIDE ARIO, DRAW-OFF FITTING, VALVE COORDINATE W/G.C. & OWNER. JOSAM 30003-A-50 FLOOR DRAIN W/ ADJUSTABLE STRAINER & PPP (PRECISION

OBTAIN THE SERVICES OF A STATE QUALIFIED AND LICENSED SPRINKLER CONTRACTOR TO DESIGN, OBTAIN NECESSARY STATE AND LOCAL APPROVALS OF DESIGN AND INSTALL A COMPLETE FIRE PROTECTION SPRINKLER SYSTEM PER CODE AND NFPA 13 CODE. FIRE PROTECTION CONTRACTOR SHALL SUBMIT 3 COPIES OF THE DESIGN CALCULATIONS, FLOW TESTS, AND SCALED LAYOUT DWGS FOR ARCHITECT/ENGINEER APPROVAL AND SUBMIT REQUIRED COPIES TO STATE FIRE AUTHORITIES FOR APPROVAL'PRIOR TO INSTALLATION OF SYSTEM. FIRE PROTECTION CONTRACTOR SHALL COORDINATE W/ GENERAL, MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTORS TO ADJUST FOR INTERFERENCES AND ADJUST SPRINKLER DESIGN & LAYOUT ACCORDINGLY. FIRE PROTECTION CONTRACTOR SHALL FIELD TEST THE SPRINKLER SYSTEM PER STATE, LOCAL CODE, AND NFPA 13 STANDARD. SPRINKLER SYSTEM SHALL BE DRY-PIPE TYPE IN ANY FREEZING CONDITIONS. SPRINKLERS SHALL BE CONCEALED TYPE. IF INSTALLED IN SUSPENDED CEILING, CENTERED IN CEILING GRID. INCOMING SPRINKLER LINE SHALL HAVE AN ASSE 1013 REDUCED PRESSURE BACKFLOW PREVENTER OR AS REQUIRED BY CODE. COORDINATE CLOSELY W/ ARCHITECT & G.C. ON FINAL CEILING HTS, FINISHES, AND OTHER TRADES (MECHANICAL, ELECTRÍCAL, & STRUCTURAL).



NORTH (magnetic)



Charles Washington Hall RENOVATIONS

Corner of George & Washington Streets Charles Town, W.Va.

For the City of Charles Town City of Ranson

Planning & Engineering (prime) Hall Planning & Engineering, Inc. 316 Williams Street Tallahassee, FL 32303

Landscape Architecture

Stromberg/Garrigan & Assoc.,Inc. 102 E. Main Street-The Penn Bldg Somerset, PA 15501

Historic Preservation & Architecture Landmarks SGA, LLC 102 E. Main Street-The Penn Bldg

Somerset, PA 15501

Structural Engineer

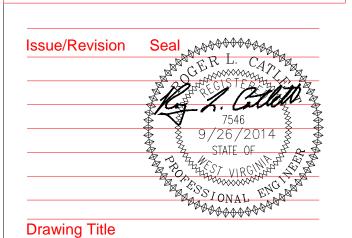
R.L. Silman Associates 1053 31st Street NW Washington D.C. 20007

Mech/Elect Engineer

Comfort Design, Inc. 620 Pennsylvania Avenue Winchester, VA 22601

Architect





Plumbing Schedules & Details

Date 9/26/14 Scale: As Shown Project Number 11105 **Drawing Number**

		WA	TER HEA	ATER SCHE	DULE			
MARK	GPH @ 100° F RISE	OPERATING TEMP. (°F)	BTUH INPUT	STORAGE GALLONS	MAX. PRESS. DROP (FT.)	FUEL	THERMAL EFFICIENCY	A.O. SMITH OR EQUAL
HW-1	116	160	100,000	50 GALLONS	10'	LP GAS	96%	BTX-100
HW-2	8	110	2 KW*	10 GALLONS	N/A	ELECTRIC	STD	DEL 10
*ELECTRIC I	HEATER AT 208/1/	<u>/60</u>						
NOTES:								

PROVIDE LP GAS PIPING FROM GAS REGULATOR TO MECHANICAL ROOM TO WATER HEATER AND PRESSURE REGULATORS AT EACH WATER HEATER W/ DIRT LEGS, VENTING, & FITTINGS.

5. PROVIDE ALL COLD AND HOT WATER PIPING AND INSULATION AS SHOWN.

HANDICAP ACCESSIBILITY NOTES:

18" FROM SIDEWALL TO CENTER (IN PLAN)

34" MAX. AF.F. TO TOP OF RIM

17" MIN. PROJECTION

17"-19" PROJECTION

ELONGATED RIM.

17" MAX. A.F.F. TO TOP OF

29" MIN. CLEAR A.F.F. @ APRON

30" CLEAR CENTERED (IN PLAN)

27" MIN. CLEAR A.F.F. @ APRON

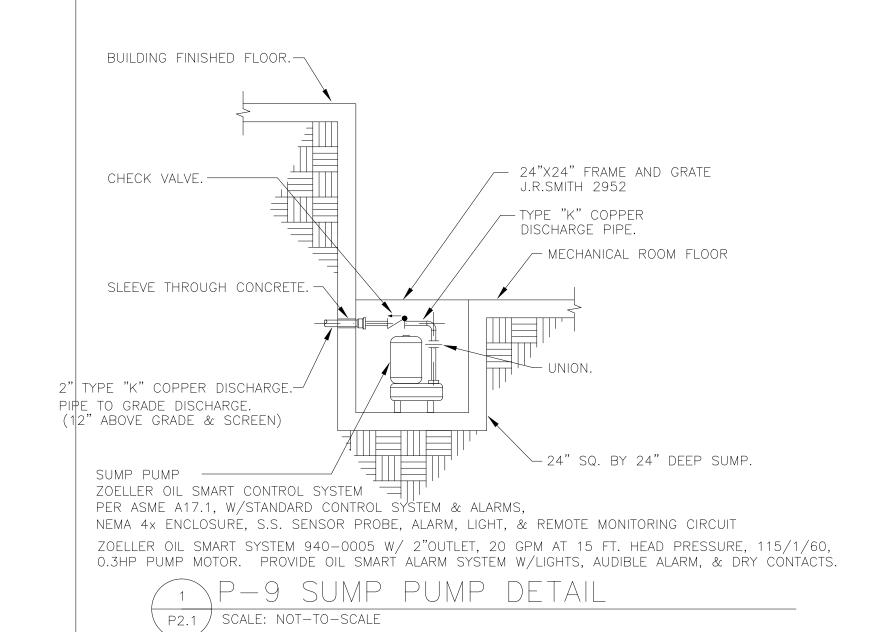
WATER CLOSETS: 17"-19" A.F.F. TO RIM

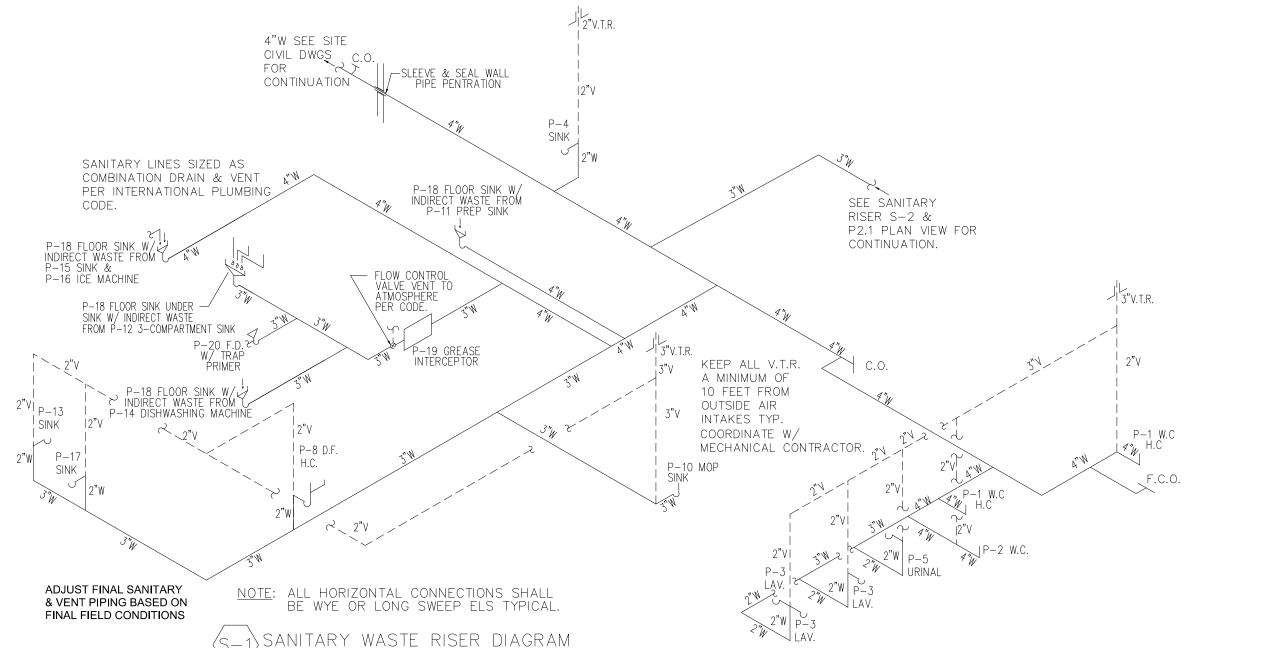
WATER COOLERS: 36" MAX. A.F.F.

LAVATORIES

URINALS:

- PROVIDE ELECTRONIC IGNITION GAS CONTROLS, CONTROLLER/SENSOR FOR BURNER SEQUENCING, SAFETY CONTROLS, FORCED DRAFT BURNER, WATER, TRIM, AND RELIEF VALVE.
- 3. PROVIDE COMBUSTION AIR AND EXHAUST PIPING PER MANUFACTURER WITH CLEAN-OUTS. 4. INTERLOCK BURNER CIRCUIT WITH POWER VENTER, HOT WATER FLOW SWITCH & SAFETY CONTROLS. HOT WATER HEATERS WILL BE USED YEAR ROUND TO PROVIDE DOMESTIC HOT WATER HEATING.
- 6. ALL WORK SHALL COMPLY WITH CURRENT VIRGINIA MECHANICAL AND PLUMBING CODES AND LOCAL CODES AND PERMITS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS.
- 7. PROVIDE MANUFACTURER'S REPRESENTATIVE FOR START-UP OF NEW WATER HEATER AND PROVIDE A WRITTEN REPORT VERIFYING THAT SYSTEM IS INSTALLED IN ACCORDANCE W/ THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 8. IF REQUIRED, WATER HEATERS AND SYSTEM SHALL BE INSPECTED BY BOILER INSPECTORS OF THE LOCAL JURISDICTION. CONTRACTOR SHALL PAY FOR ALL REQUIRED PERMITS AND FEES.





NOT TO SCALE

