

PLUMBING SPECS IN BRIEF

A. ALL WATER PIPING AND METAL CONDENSATE PIPING SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION MAXIMUM K FACTOR: 29 WITH WHITE ENDOSESS, VINYL-COATED, SELF-SEALING ASJ JACKET. NO STAPLES WILL BE ALLOWED.

D. ISOLATING FITTINGS
 1. FURNISH AND INSTALL PATENTED TYPE DIELECTRIC FITTINGS OR COUPLINGS, EPCO, VALLETT, MAY, OR APPROVED EQUAL, IN PIPE SYSTEMS WHEREVER DISSIMILAR METAL ARE JOINED.

G. THE "T" NUMBERS TABULATED BELOW ARE KEYED TO THE DRAWINGS.

P-1 WATER CLOSET (ACCESSIBLE) #205100 MADERA - FLUSH VALVE FLOOR MOUNTED, FLOOR OUTLET, ELONGATED SIPHON LET FLUSH ACTION, TOP SPD, FREE STANDING VITREOUS 10" ROUGH, 2 BOLT CAPS WITH RETAINERS, SLOAN #111, OLSONITE #95 WHITE SOLID PLASTIC SEAT WITH COVER OR EQUAL.

P-2 WATER CLOSET #205016 MADERA - FLUSH VALVE FLOOR MOUNTED, FLOOR OUTLET, ELONGATED SIPHON LET FLUSH ACTION, TOP SPD, FREE STANDING VITREOUS 10" ROUGH, 2 BOLT CAPS WITH RETAINERS, SLOAN #111, OLSONITE #95 WHITE SOLID PLASTIC SEAT WITH COVER OR EQUAL.

P-3 URINAL #60120 WASHBROOK - 1 6PF. SIPHON LET WALL HUNG 3/4" INLET TOP SPD. SET LIP IT MAX ABOVE FLOOR. FLOOR/VALVE ROYAL 154-1.

P-4 LAVATORY #0955212 LUCERNE - WALL MOUNT + 34" AFF. VITREOUS CHINA 20"x18" FRONT OVERFLOW, FLAT SLAB LAVATORY MODIFIED WITH GLAZED BACK W/ HERITAGE #8407181 FAUCET WITH LEVER HANDLE AND POP-UP DRAIN, WATTS' ALUMINUM THERMOSTATIC MIXING VALVE SET TO 107 MAX. 1 1/4" CHROME PLATED BRASS TAIL PIECE, "P" TRAP, TRIPROD TRAP & WATER LINE INSULATION PER ADA, CLEANOUT PLUG, TRAP NIPPLE, FLEXIBLE SUPPLIES WITH LEVER HANDLE, AND ESCUTCHEON PLATE WITH SETSCREW, ALL CHROME PLATED.

P-5 LAVATORY #0475020 AQUALYN - COUNTER MOUNT + 34" AFF. VITREOUS CHINA 20" X 17" SELF RIMMING, 8" CENTERS WITH HERITAGE #8401000 FAUCET WITH GRID DRAIN & #800097111 LEVER HANDLES, WATTS' ALUMINUM THERMOSTATIC MIXING VALVE SET TO 107 MAX. 1 1/4" CHROME PLATED BRASS TAIL PIECE, "P" TRAP, TRIPROD TRAP INSULATION PER ADA, CLEANOUT PLUG, TRAP NIPPLE, FLEXIBLE SUPPLIES WITH LEVER HANDLE, ESCUTCHEON PLATE WITH SETSCREW, AND ALL CHROME PLATED.

P-6 SHOWER #661801 COMPLETE HAND SHOWER SYSTEM KIT WITH VALVE AND "AQUA BATH" (#00295-2284 MODEL #069956-FLS 3/4" ROLL-IN SHOWER STALL W/FOLDING SHOWER SEAT, CHROME ANTI-SCALD (SCALD GUARD) MIXING VALVE, 25 GPM HEAD, VACUUM BREAKER, SLIDE BAR AND FLEX HOSE, AND HAND SHOWER.

P-7 MOP SERVICE BASIN "EL MUSTEE" #6M DURASTONE MARBLEIZED FLOOR SINK WITH #69402A FAUCET, #65100 HOSE & HOSE HOLDER, #65400 MOP HANGER & (2) #69401 BUMPER GUARDS.

P-8 KITCHEN SINK "ELKAY" #M123312 SINGLE BOWL STAINLESS STEEL SINK WITH (3) FAUCET HOLES, 10" DEEP, COUNTER TOP MOUNTING WITH "ELKAY" FAUCET #J01492.

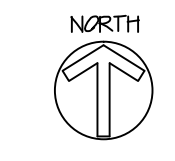
P-9 HC ELECTRIC WATER COOLER "ELKAY" #EM401216C WALL MOUNTED HIGH/LOW CABINET W/ LKAPREZ APRON ACCESSORY - MOUNT WITH LOWER BUBBLER +36-1/2" LEAD FREE WATER SYSTEM, HFC-134A REFRIGERANT, ONE PIECE STAINLESS STEEL TOP, SIDE AND FRONT PUSH BARS, AND TWO TONE GRAY CABINET (STANDARD COLOR).

P-10 ELECTRIC WATER HEATER "AO SMITH" #12C-82 80 GALLON, 40W PROVIDE OVERFLOW PAN AND EXPANSION TANK. PIPE OVERFLOW & PRESSURE RELIEF TO SAFE WASTE.

P-11 SANITARY DRAINS, SYSTEMS AND SEWER PIPES SHALL BE OF CAST IRON OR PVC SCHEDULE 40. WATER SERVICE AND WATER DISTRIBUTION PIPE SHALL BE OF TYPE L COPPER OR ALL CROSS LINKED POLYETHYLENE (PEX) OF ANY COMBINATION MEETING ASTM 876/877.

F1 FAUCET SHALL BE AMERICAN STANDARD TWO HANDLE MODEL#6018101 DAZZLE 2 HANDLE CENTER SET.

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



D. MISCELLANEOUS FIXTURES

SEMI-AUTOMATIC GREASE INTERCEPTOR: "JOSAN" #60010 - PAINTED IN AND OUT ON FLOOR TYPE, 35 GPM, 70 GAL CAPACITY, 3" THREADED INLET AND OUTLET, FLEXIBLE HOSE AND VALVE AND FLOW CONTROL FITTINGS. (LOCATE UNDER 1 BOWL SINK).

TOILET ROOM DRAIN: CAST IRON DRAIN, CALK BOTTOM OUTLET, 6" SQ NICKEL BRONZE "JR SMITH" #1005-B.

PIT SUMP PUMP: NEW "LIBERTY ELV-1200" SERIES HEAVY DUTY POWDER COATED CAST IRON SUBMERSIBLE EFFLUENT PUMP WITH "COLLECTOR", 1-1/2" DISCHARGE, HIGH LEVEL ALARM, CONTROL PANEL, AND REMOTE ALARM WITH AUXILIARY CONTACTS FOR PULPING AUTOMATED SYSTEM (BAS) PUMP SHALL BE CAPABLE OF PUMPING ROOM WITH A MINIMUM 25' HEAD. 1/2HP 120V - 85 AMP WITH OIL RESISTANT CORDS/CABLES, POWER PUMP, CONTROL PANEL, AND THE REMOTE ALARM FROM EMERGENCY CIRCUIT(S). REMOTE ALARM TO BE LOCATED AT BAS PANEL LOCATION (TO BE DETERMINED BY OWNER), PIPE TO NEAREST SANITARY LINE. SEE DETAIL THIS SHEET.

GARBAGE DISPOSER: "INSINKERATOR" MODEL PADGER 5 OR EQUAL, STAINLESS STEEL GRIND COMPONENTS INCLUDING 360 DEGREE SWIVEL IMPELLERS, SPLASH PROTECTOR, PUSH-BUTTON RESET, 1/2 HP. NOTE: PIGTAILS WITH 120V PLUG ARE TO BE FACTORY INSTALLED.

TRAP PRIMER: PROVIDE BRASS TRAP PRIMER(S) ACTIVATED BY A DROP IN BUILDING WATER PRESSURE WITH BACK FLOW PREVENTER, VACUUM BREAKER, AND DISTRIBUTION UNIT FOR UP TO 4 DRAINS, PRECISION PLUMBING PRODUCTS, INC.

VACUUM BREAKER: SIZE AS REQUIRED, "WATTS" #280, "CHICAGO" #809, OR APPROVED EQUAL.

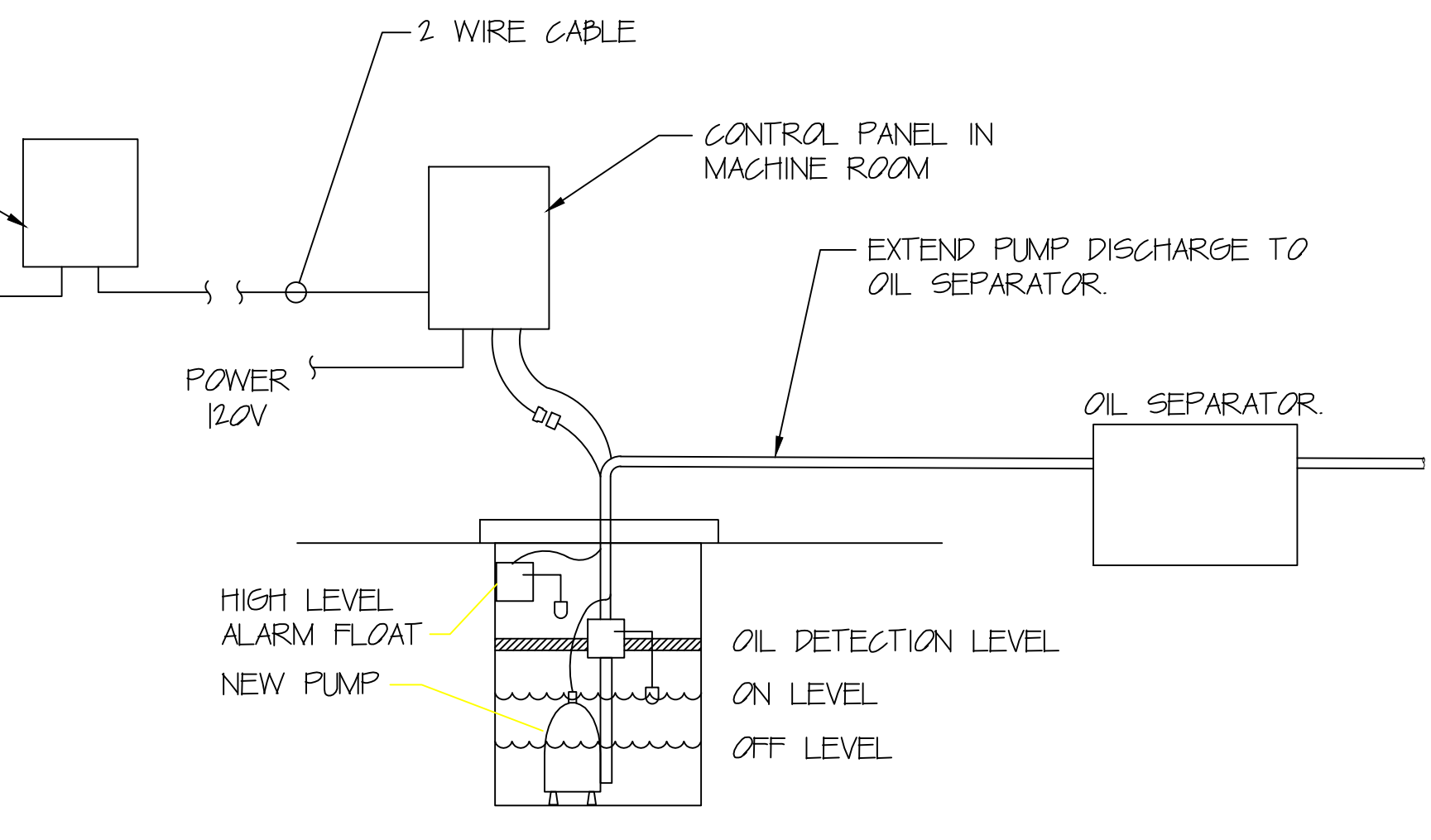
PRESSURE AND TEMPERATURE RELIEF VALVES SHALL BE SELF-CLOSING 150 PSI, 210 DEGREES F. WITH TEST LEVER AND 2" EXTENSION THERMOSTAT. MAKE: "WATTS" #800L OR EQUAL.

WATER PRESSURE REDUCING VALVES SHALL BE SEMI-BALANCED PISTON TYPE WITH ADJUSTABLE PRESSURE RANGE. MAKE: "WATTS" #215 SERIES OR EQUAL.

BACKFLOW PREVENTER: CHECK VALVE AND IN-LINE RELIEF VALVE COMBINATION TO BE INSTALLED ON DOMESTIC ENTRANCE SERVICE LINE. MAKE: "WATTS" #009 SERIES OR EQUAL.

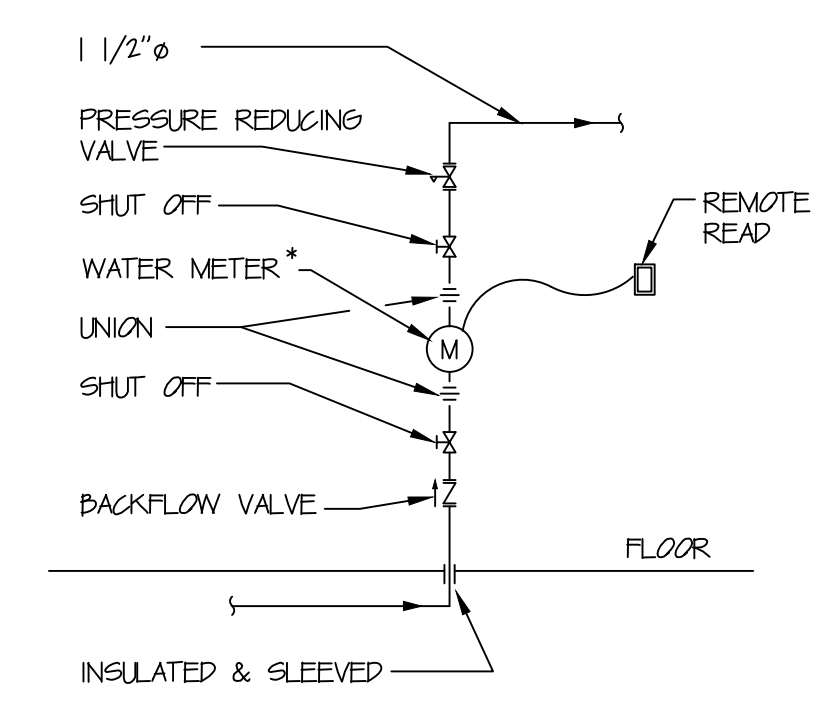
PRESSURE GAUGES: STANDARD DIE CAST CASE, THREADED BRASS BODY, 1/2" DIAMETER DIAL BLACK FEATURES, 3/8" CONNECTIONS, HEAVY INDUSTRIAL TYPE CASING AND FRONT GLASS. SELECT RANGE, 50 NORMAL OPERATION PRESSURE READS APPROXIMATELY AT 1/2 SCALE. INSTALL WITH STOP CLOCK. MAKE: MARSH, AMERICAN, ASHCROFT, TRERICE.

REMOTE ALARM W/ AUX CONTACTS FOR "HI-LEVEL" ALARM TO BAS PANEL ADJACENT TO FACP.



SUMP PUMP DETAIL
 SCALE : 1/8" = 1' - 0"

SEE SHEET E11 FOR ELECTRIC OUTLET LOCATIONS



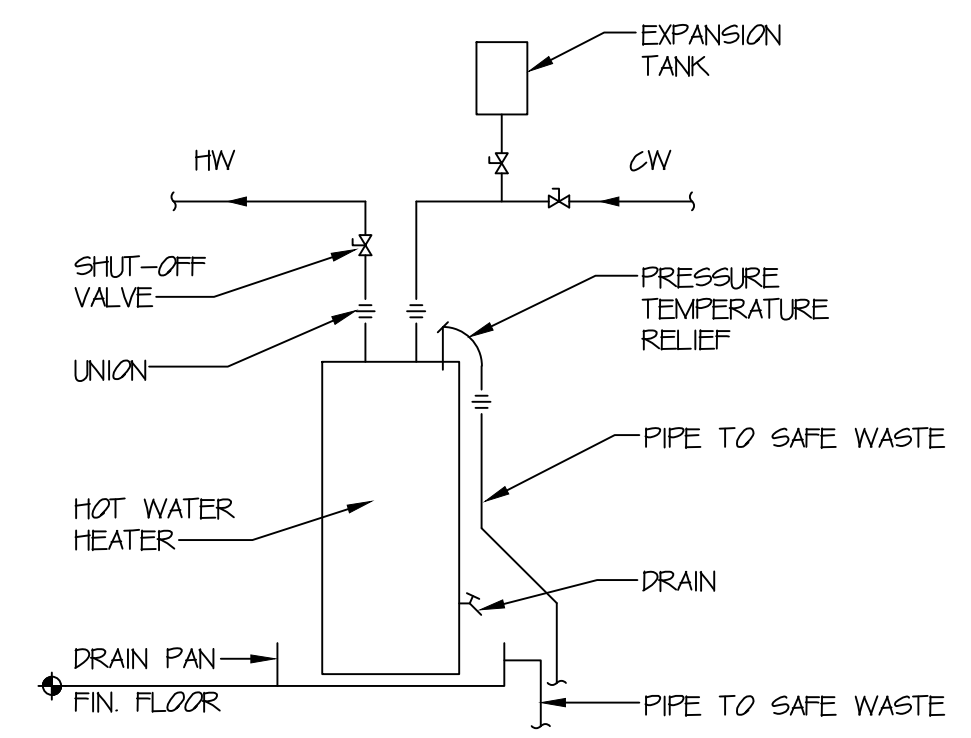
WATER ENTRANCE DIAGRAM
 NO SCALE

*COORDINATE LOCATION WITH LOCAL UTILITY CO. AN INGROUND METER MAY BE REQUIRED BY WATER UTILITY COMPANY.

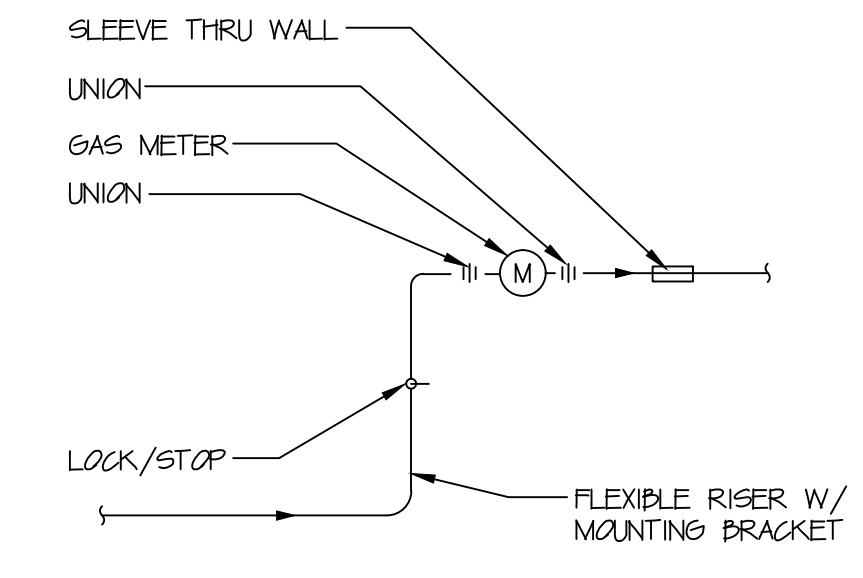
PLUMBING SYMBOLS			
	SANITARY SEWER NEW		SHUT OFF VALVE
	NEW SPRINKLER LINE		GAS COCK
	EXISTING SPRINKLER		STOP & WASTE
	EXISTING SPRINKLER HD		UNION
	NEW OR RELEG. SPK. HD		WATER HOSE BID
	DIRECTION OF FLOW		FROST PROOF HOSE BID
	COLD WATER LINE		CURB BOX
	HOT WATER LINE		SCHEMATIC VENT
	GAS LINE		SCHEMATIC SANITARY
	CLEAN OUT		SCHEMATIC TRAP
	FLOOR DRAIN		METER /WATER/GAS
	SAFE WASTE W/ FUNNEL		CONNECTION TO EXISTING
	NEW STORM LINE		

PLUMBING GENERAL NOTES:

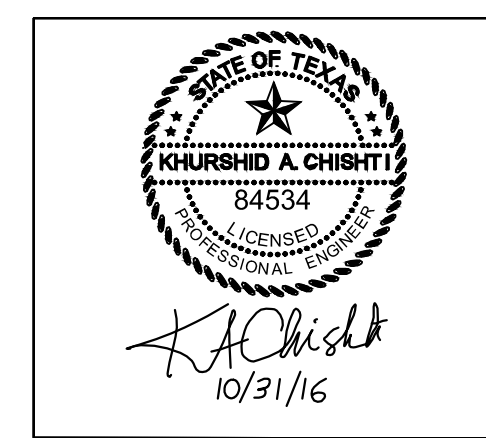
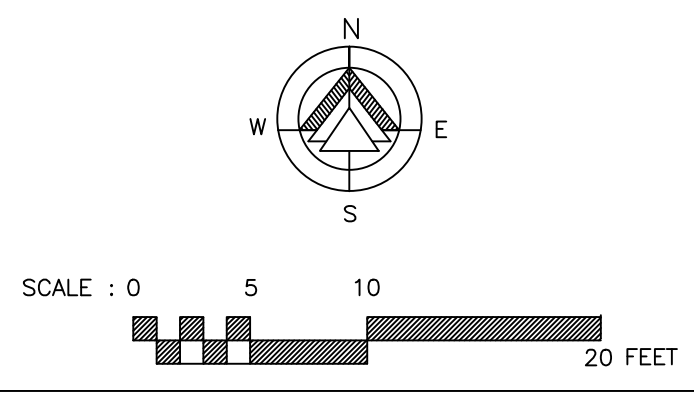
1. ALL PLUMBING WORK SHALL COMPLY WITH LOCAL AND STATE PLUMBING CODES. CONTRACTOR SHALL OBTAIN AND PAY FOR PERMITS.
2. ALL WATER LINES SHALL BE TYPE "L" COPPER AND INSULATED. USE "NO LEAD" SOLDER. WATER METER TO BE LOCATED IN RISER ROOM WITH SHUT OFFS AND UNIONS FOR SERVICE. REMOTE READ AS REQUIRED.
3. ALL BUILDING VENT AND WASTE LINES SHALL BE SCH 40 PVC DWV OR SCH 40 ABS AS PERMITTED BY GOVERNING AUTHORITIES.
4. PROVIDE SHUT OFFS ON HW & CW LINES AT EACH PLUMBING FIXTURE INCLUDING WATER HEATER AND FROST PROOF HOSE BID.
5. PROVIDE SHOCK ABSORBERS AT THE END OF ALL WATER LINE RUNS.
6. MAIN RUN OF WATER LINES SHALL BE 3/4" UNO. WITH FIXTURE BRANCHES REDUCED TO 1/2". PROVIDE STOP AND WASTE VALVES ON ALL MAIN BRANCH LINES.
7. ALL FIXTURES SHALL BE PROPERLY VENTED TO A VENT STACK WHICH SHALL EXTEND THROUGH THE ROOF MINIMUM 3" DIAMETER.
8. PROVIDE A CLEANOUT AT THE BOTTOM OF ALL WASTE STACKS. PROVIDE A BUILDING CLEANOUT, SANITARY SEWAGE SYSTEM LEAVING THE BLDG.



ELECTRIC HWH DIAGRAM
 NO SCALE



GAS ENTRANCE RISER
 NO SCALE



CONSULTANT:
WAHEED CONSULTING
 MECHANICAL-ELECTRICAL-PLUMBING SYSTEM DESIGNS
 Registration No. F-6336
 TEL: (817) 793 2010, FAX: (972) 442 4063
 420 PARKSIDE ST. MURPHY, TX, 75094
 E-mail: waheednep@yahoo.com

rev	10-31-2016	Revised as noted
rev	08-26-2016	Revised as noted
rev	11-05-15	City Comments
scale	AS NOTED	
drawn by	CADD-NV	
SHASHI D. PATEL AIA NCARB ARCHITECTS AND PLANNERS 442 EAST END AVE. STE-B. PITTSBURGH PA 15221		
FIRST FLOOR PLUMBING PLAN CONSTRUCTION DOCUMENT PHASE RADHA KRISHNA TEMPLE ALLEN TEXAS		
dwg. no.	07162013	P-1