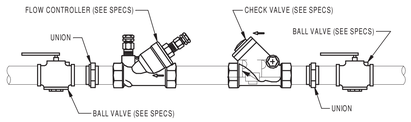
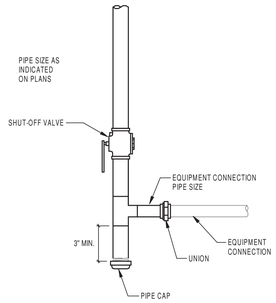


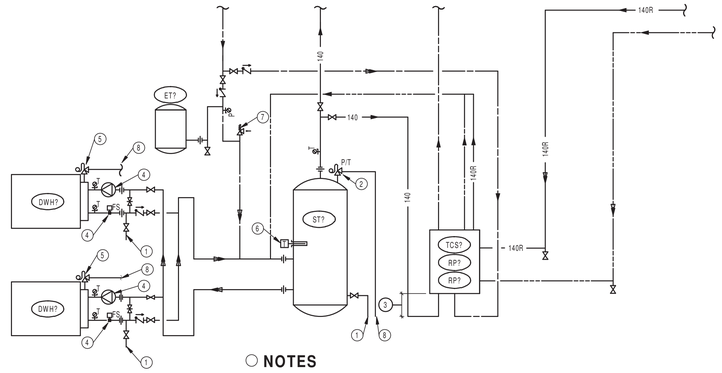
3 FLOW CONTROLLER ASSEMBLY
SCALE: NONE



USER NOTES:

1 USE AS A TYPICAL DETAIL FOR ALL GAS FIRED EQUIPMENT (WATER HEATERS, UNIT HEATER, ROOFTOP UNITS, ECT.) ON PROJECT.

2 TYPICAL GAS CONNECTION AT EQUIPMENT
SCALE: NONE



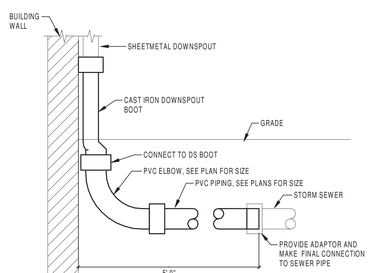
NOTES

1. AIR GAP OVER FLOOR DRAIN.
2. COMBINATION TEMPERATURE-PRESSURE RELIEF VALVE.
3. MINIMUM 27" HEAT TRAP.
4. FLOW SWITCH AND CIRCULATION PUMP PROVIDED WITH DOMESTIC WATER HEATER.
5. PRESSURE RELIEF VALVE PROVIDED WITH DOMESTIC WATER HEATER.
6. IMMERSION AQUASTAT PROVIDED WITH DOMESTIC WATER HEATER.
7. VACUUM RELIEF VALVE.
8. AIR GAP OVER FLOOR.

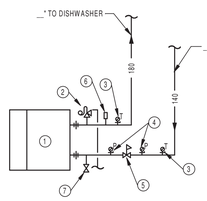
DESIGNER NOTES:

1 EDIT PIPING TAGS FOR APPROPRIATE DISCHARGE AND RECIRCULATION TEMPERATURES.
2 ADD ONLY PIPE SIZES NOT ON PLANS.
3 INCLUDE GAS EQUIPMENT CONNECTION DETAIL AND FLUE ON PLANS FOR GAS FIRED EQUIPMENT.
4 ON "HIGH END" PROJECT OR IF OWNER REQUESTED, COORDINATE WITH HVAC DESIGNER AND LOCATE TEMPERATURE SENSORS TO BE MONITORED BY THE BUILDING AUTOMATION (DDC) SYSTEM.

1 DOMESTIC WATER HEATER PIPING
SCALE: NONE



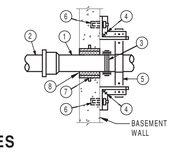
7 DOWNSPOUT BOOT
SCALE: NONE



NOTES

1. BOOSTER HEATER
2. RELIEF VALVE
3. TEMPERATURE GAUGE
4. PRESSURE GAUGE
5. PRESSURE REDUCING VALVE SET AT ___PSIG
6. WATER HAMMER ARRESTOR
7. DRAIN VALVE

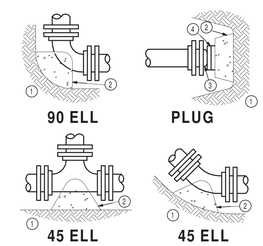
6 DISHWASHER/BOOSTER HEATER PIPING
SCALE: NONE



NOTES

1. HUB AND FLANGE SPOOL.
2. UNDERGROUND SERVICE PIPE.
3. FLANGE CONNECTION.
4. MITERED WELDED ANGLE. LEGS SAME WIDTH AND THICKNESS (MINIMUM) AS PIPE CLAMP STRAPS.
5. PIPE CLAMP, CLAMP TO PIPE AND BOLT TO ANGELS.
6. CONCRETE INSERTS AND BOLTS 0.5" DIA. - 2" AND 3" PIPE, 0.625" DIA. - 4" PIPE: 0.75" DIA. - 6" AND 8". BOLTS 3" LONG MINIMUM.
7. PIPE SLEEVE WITH WATER STOP, OR CORE DRILLED OPENING.
8. MECHANICAL COMPRESSED RUBBER SEALING ASSEMBLY EQUAL TO THUNDERLINE CORP "LINK SEAL".

5 WATER SERVICE ANCHOR
SCALE: NONE



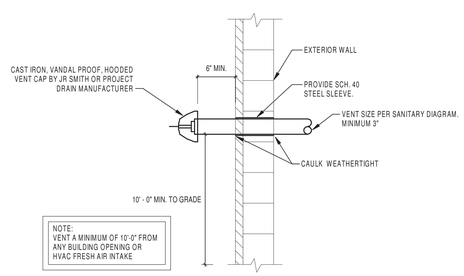
NOTES

1. UNDISTURBED EARTH SURFACE
2. CONCRETE PAD - SEE SCHEDULE
3. PLUG
4. TWO - 1.5" THICK OAK BLOCKS

EARTH BEARING AREA - SQ. FT.
(APPROX. ONE CU.FT. CONCRETE/SQ.FT. BEARING AREA)

PIPE SIZE	3"	4"	6"	8"	10"
90 ELL	1.5"	2"	3"	4"	8"
45 ELL	1"	1"	1.5"	2"	5"
TEE & PLUG	1"	1.5"	2"	8"	7"

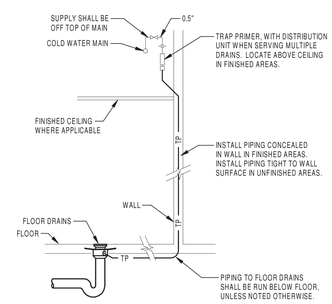
4 UNDER GROUND WATER PIPE THRUST BLOCKS
SCALE: NONE



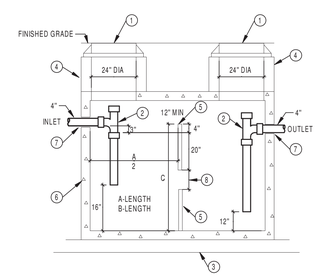
DESIGNER NOTES:

1. PROVIDE ONLY WHERE VENT TERMINAL EXTENSION THRU THE ROOF IS NOT POSSIBLE.
2. DO NOT LOCATE WITHIN 10 FEET OF A PROPERTY LINE.
3. DO NOT LOCATE BELOW OVERHANGS WITH SOFFIT VENTS.
4. COORDINATE LOCATION WITH LOUVERS, DOORS AND OPERABLE WINDOWS.
5. COORDINATE WALL SLEEVE MATERIAL WITH EXTERIOR WALL CONSTRUCTION.

10 VENT THRU SIDEWALL
SCALE: NONE



9 TRAP PRIMER
SCALE: NONE



DESIGNER NOTES:

1 INDICATE BASIN SIZE REQUIRED WITH BOLD ARROW.

NOTES

1. CAST IRON MANHOLE FRAME AND COVER NEENAH R-6462-FH OR APPROVED EQUAL
2. SANITARY TEE WITH OPEN TOP.
3. 6" LEVELED SAN BED.
4. PRECAST CONCRETE RISER SECTION.
5. PRECAST CONCRETE BAFFLE.
6. REINFORCED PRECAST CONCRETE BASIN APPROVED BY JURISDICTIONAL AUTHORITY.
7. CAST-IN-PLACE OR AFTER SET EPA APPROVED RUBBER SEAL.
8. INTERNAL TRANSFER OPENING, 4" BY WIDTH OF TANK.

PRECAST BASIN DATA

TYPE	LIQUID CAP. GAL.	GREASE CAP. LBS.	APPROX. DIM. (IN INCHES)			DESIGN FLOW RATE-GPM
			A	B	C	
A	750		85	60	34	150
B	1000	400	96	65	37	200
C	1200	500	108	67	40	250
D	1500	600	112	72	43	300

BASINS WITHIN 7% OF CAPACITY INDICATED ARE ACCEPTABLE.
ALL PIPING AND FITTING SHALL BE SCHEDULE 40 DWV PVC.

8 KITCHEN WASTE INTERCEPTOR
SCALE: NONE

HAMILTON SOUTHEASTERN SCHOOL
13485 CUMBERLAND ROAD
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3850 Priority Way South Ste 204, Indianapolis IN 46240
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HEAPY PRJ. NO. 2017-63008

PROJECT:
100% DESIGN DEVELOPMENT
NEW HSE ELEMENTARY SCHOOL NO. 13
12500 CYNTHEANNE ROAD, FISHERS, IN. 46037
FOR:
HAMILTON SOUTHEASTERN SCHOOLS

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The Contract Documents are intended to describe and describe all work required for full performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
09/08/2017	TDB	RGF

DRAWING TITLE:
PLUMBING DETAIL

CERTIFIED BY:

DRAWING NUMBER
P501

PROJECT NUMBER
16015