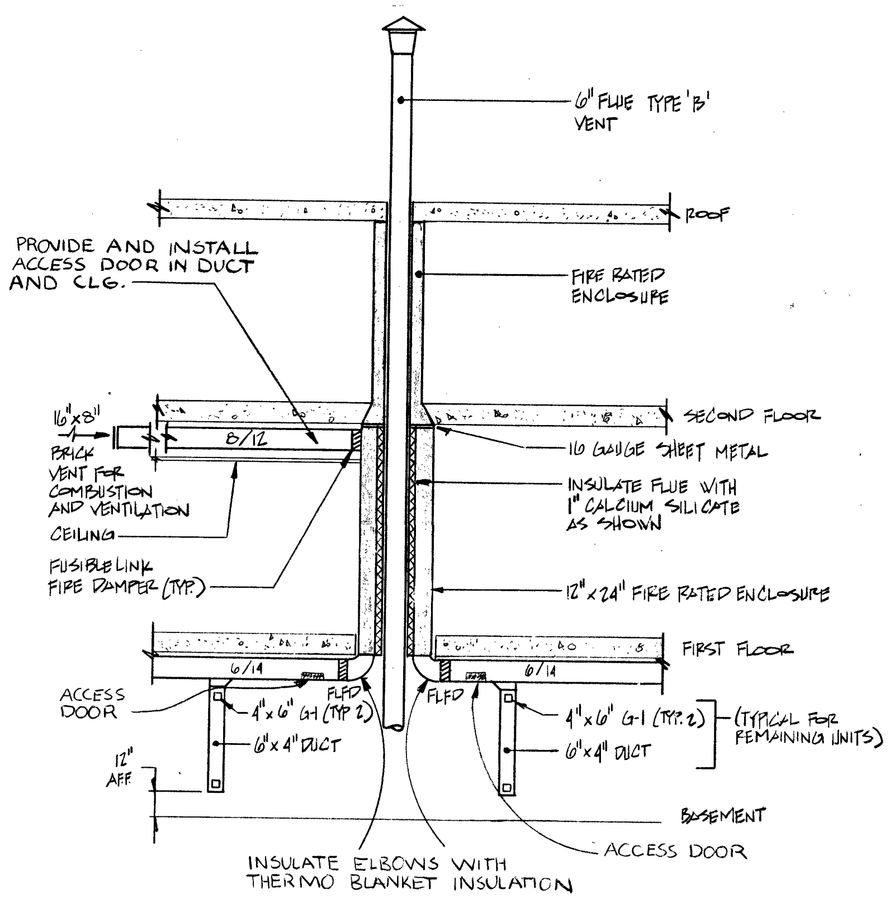



## TYPICAL COMBUSTION AND VENTILATION AIR DUCTING DETAIL

NO SCALE

1 M-6

HOT WATER BOILERS

| NO. | | B-1 | B-2 | B-3 |
|---|---|---|---|---|
| SYSTEM | | HOT WATER | HOT WATER | HOT WATER |
| LOCATION | | BASEMENT | BASEMENT | FIRST FLOOR |
| BOILER | | | | |
| INPUT | MBH | 70 | 52 | 45 |
| OUTPUT | MBH | 50 | 38 | 33 |
| TYPE | | CAST IRON | CAST IRON | CAST IRON |
| W.P. | P.S.I.G. | 30 | 30 | |
| BURNER | | | | |
| TYPE | | ATMOSPHERIC | ATMOSPHERIC | INDUCED DRAFT |
| CONTROL | | | | |
| GAS | BTU/Ft CFH | 1000 70 | 1000 52 | 1000 45 |
| DIMENSIONS | | | | |
| HGT. | | 28 | 28 | 32-1/2 |
| WIDTH | | 10 | 10 | 21 |
| LENGTH | | 24 | 24 | 15 |
| CONN'S | | | | |
| WATER | INLET | 1" | 1" | 3/4 |
| | OUTLET | 1-1/4 4"x6" | 1-1/4 4"x6" | 3/4 |
| GAS | | 1/2 | 1/2 | 1/2 |
| NEW STACK | DIA. | 4" | 4" | 4" |
| MODEL | WEIL-MCLAIN | PCG-3-PID | PCG-25-PID | AHE-45 |

| BUILDING NO. | NO. AND APARTMENT TYPE PER BUILDING | | | | |
|---|---|---|---|---|---|
| | A | B | C | D | TOTAL |
| B-1 | ____ | 4-3BR | ____ | ____ | 4 |
| B-2 | ____ | 4-3BR | ____ | ____ | 4 |
| B-3 | ____ | 4-3BR | ____ | ____ | 4 |
| B-4 | ____ | 4-3BR | ____ | ____ | 4 |
| B-5 | ____ | 4-3BR | ____ | ____ | 4 |
| B-6 | ____ | 4-3BR | ____ | ____ | 4 |
| B-7 | ____ | 4-3BR | ____ | ____ | 4 |
| B-8 | ____ | 4-3BR | ____ | ____ | 4 |
| B-9 | ____ | 6-3BR | ____ | ____ | 6 |
| B-10 | ____ | 4-3BR | ____ | ____ | 4 |
| C-11 | ____ | ____ | 2-5BR | ____ | 2 |
| D-12 | ____ | ____ | ____ | 4-1BR | 4 |
| D-13 | ____ | ____ | ____ | 4-1BR | 4 |
| A-14 | ____ | ____ | ____ | ____ | 4 |
| A-15 | 4-4BR | ____ | ____ | ____ | 4 |
| A-16 | 4-4BR | ____ | ____ | ____ | 4 |
| A-17 | 4-4BR | ____ | ____ | ____ | 4 |
| A-18 | 4-4BR | ____ | ____ | ____ | 4 |
| B-19 | ____ | 4-3BR | ____ | ____ | 4 |
| A-20 | 4-4BR | ____ | ____ | ____ | 4 |
| C-21 | ____ | ____ | 4-5BR | ____ | 4 |
| B-22 | ____ | 6-3BR | ____ | ____ | 6 |
| A-23 | 6-4BR | ____ | ____ | ____ | 6 |
| A-24 | 4-4BR | ____ | ____ | ____ | 4 |
| TOTAL | 34 | 52 | 6 | 8 | 100 |

DOMESTIC WATER HEATER

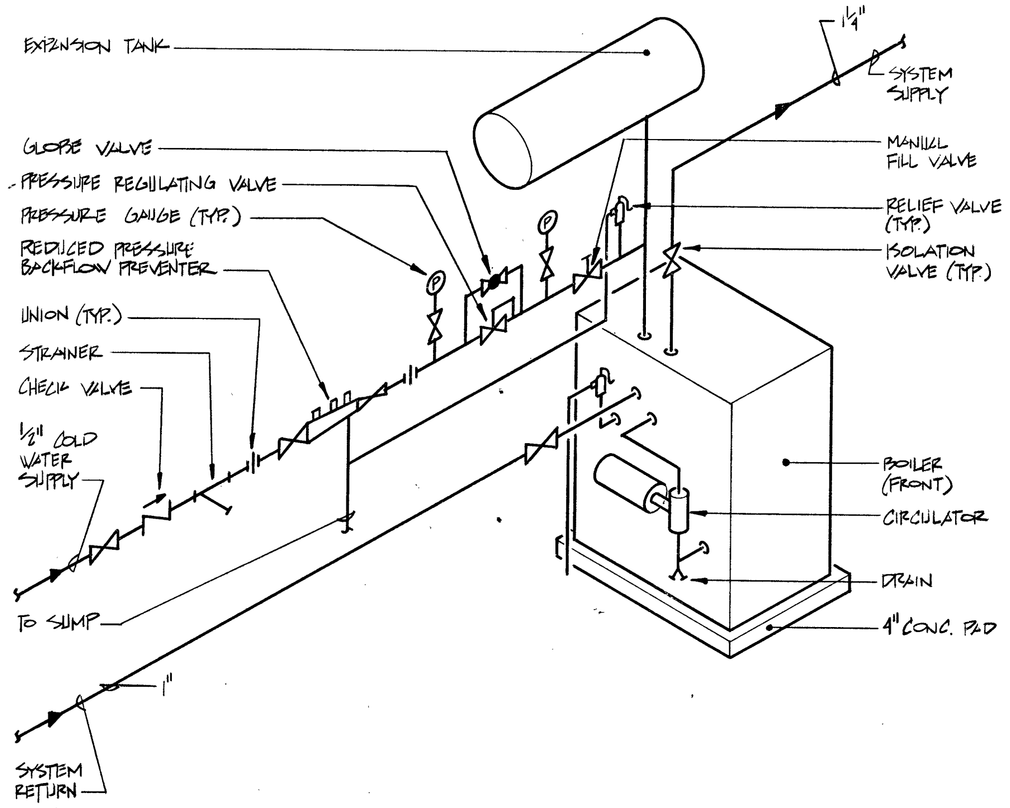
| | |
|---|---|
| MARK | DWH-1 |
| LOCATION | BASEMENT |
| SERVICE | HOT WATER |
| INPUT | 75,100 BTUH |
| TYPE | NATURAL GAS |
| CAPACITY | 75 GALLONS |
| HEIGHT | 62" |
| DIAMETER | 25 3/8 |
| WATER INLET | 1" |
| WATER OUTLET | 1" |
| GAS VENT | 4" |
| GAS INLET | 1/2" |
| MODEL | PGC-75 |
| MANUFACTURER | A.O. SMITH |

FINNED RADIATION

| NO. | | F-1 |
|---|---|---|
| FINNED ELEMENT | | |
| TUBE DIA. | | 3/4" |
| FIN SIZE | | 2-3/4"x2-3/4" |
| SPACING/LF | | 60 |
| ROWS | | 1 |
| MATERIAL | | COPPER |
| RATINGS | | |
| HOT WATER | ENTER | 190 |
| | LVG. | 170 |
| OUTPUT-BTU/FT | | AS NOTED |
| ENCLOSURE | | |
| HGT | | 8" |
| GA. | | 14 |
| STYLE | | SLOPE-TOP |
| END CAPS | | YES |
| DAMPER | | YES |
| MODEL | DUNHAM BUSH | BFOT75HH |

REGISTERS

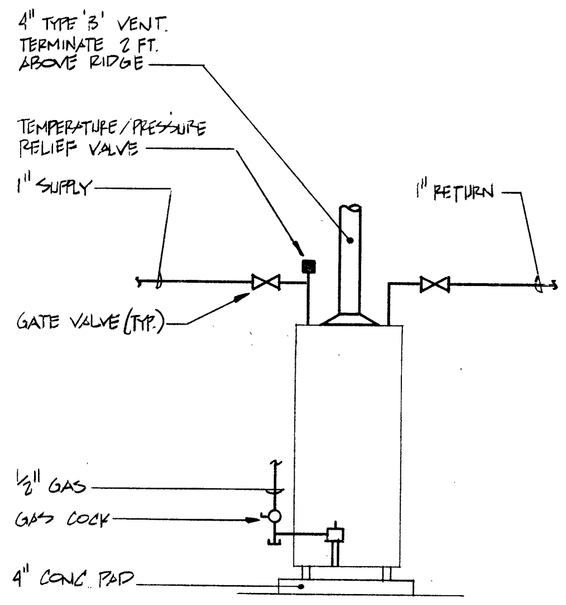
| LETTER | | G-1 |
|---|---|---|
| SERVICE | | COMBUSTION AIR |
| LOCATION | | BASEMENT |
| DATA | | |
| TYPE | | REGISTER |
| STYLE | | LOUVER |
| PATTERN | | ADJUSTABLE |
| DAMPER | | O.B.D |
| NAT.L | | STEEL |
| FINISH | BAKED ENAMEL | |
| MODEL | ANEMOSTAT | SIVOD |
| REMARKS | | |




## BOILER PIPING SCHEMATIC

NO SCALE

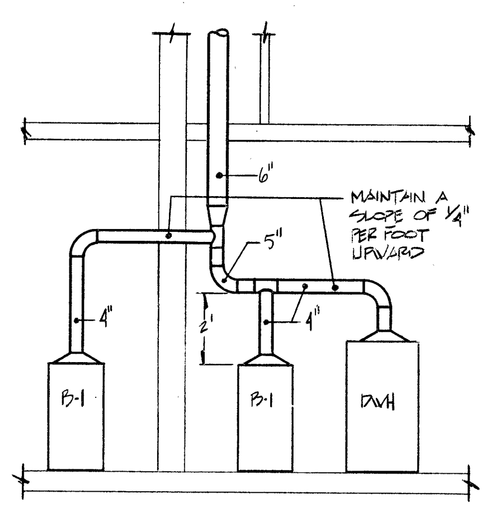
2 M-6




## DOMESTIC HOT WATER HEATER MOUNTING DETAIL

NO SCALE

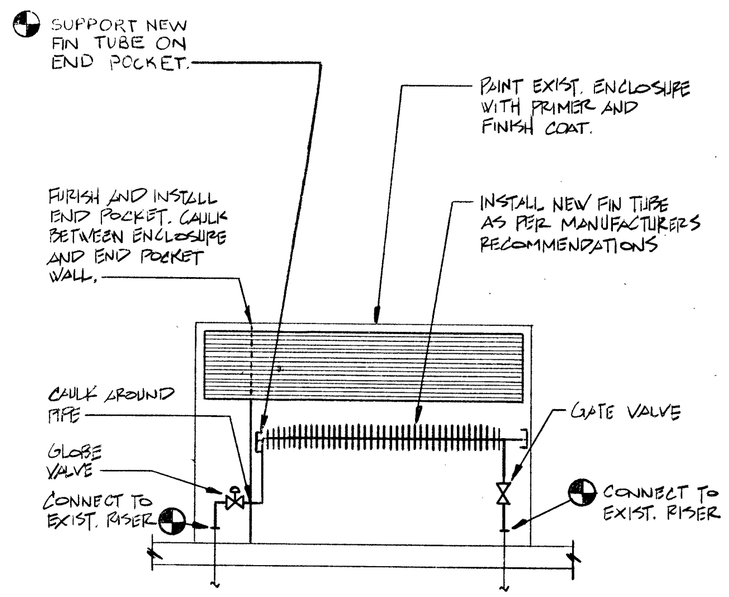
3 M-6




## DOMESTIC WATER HEATER & BOILER FLUE CONNECTION DETAIL

NO SCALE

4 M-6




## TYPICAL CONVECTOR ALTERATION DETAIL

NO SCALE

5 M-9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| DATE | REVISIONS |
|---|---|
| | |

# COMPREHENSIVE IMPROVEMENT ASSISTANCE PROGRAM

# NIAGARA FALLS HOUSING AUTHORITY

744 TENTH STREET NIAGARA FALLS, N.Y. 14301

PROJECT
**MECHANICAL ALTERATIONS AT VARIOUS SITES FOR N. F. H. A.**

TITLE
**JORDAN GARDENS HEATING REHABILITATION SCHEDULES & DETAILS**

| DATE | DRAWING |
|---|---|
| 2/16/90 | M-7 |
| SCALE NO SCALE | |
| PROJECT NO. 87.122 | |