



- SYMBOLS**
- ▶▶ GATE VALVE
 - ▶▶ SWING GATE CHECK VALVE
 - ▶▶ AUXILIARY PRESSURE TANK X-TROL #30 ON INLET LINE FROM SOLAR COLLECTOR PANELS
 - ① PRESSURE/TEMP RELIEF VALVE
 - ② WATER METER
 - ▶ DIRECTION OF FLOW
 - ▶▶ DRAIN VALVE
 - ▶▶ UNION
 - ▶▶ THERMOMETER
 - ▶▶ TEMPERED WATER
 - ▶▶ HOT WATER
 - ▶▶ ELECTRICAL METER
 - ▶▶ 50% ETHYLENE GLYCOL WATER SOLUTION

- TEMPERATURE SENSORS AT 6:00 SHADE MOUNT:**
1. INTERIOR SPACE TEMPERATURES AT MECHANICAL SPACE
 2. AMBIENT TEMPERATURES - OUTSIDE AIR
 3. COLLECTOR FLUID TEMPERATURES OUT TO COLLECTORS
 4. COLLECTOR FLUID TEMPERATURES FROM COLLECTORS
 5. HOT WATER FROM E.W.H. UNIT TO MODULE
 6. HOT WATER FROM MODULE TO E.W.H. UNIT

- NOTES**
1. PROVIDE UNIONS AT ALL PIPING CONNECTIONS TO E.W.H. TANK AND AT ALL EQUIPMENT CONNECTIONS.
 2. ALL RELIEF AND DRAIN PIPING SHALL BE 3/4" ALL STORAGE LOOP AND AROUND LOOP PIPING SHALL BE AS INDICATED. ALL PIPING TYPE L HARD DRAWN COPPER.
 3. ALL POWER AND CONTROL WIRING SHALL BE IN EXT CONDUIT.
 4. FIRE HANGERS AND SADDLES TO BE PROVIDED WHERE NEEDED.
 5. PROVIDE WAGNING TAG AT AROUND DETAIL CONNECTION.
 6. PROVIDE TYPE WRITTEN INSTRUCTIONS.
 7. ALL VALVES TO BE NUMBERED.

- GENERAL NOTES:**
1. CONTRACT DRAWINGS ARE IN EXACT DIMENSIONS, INTENDED TO CONVEY SCOPE AND ARRANGEMENT OF WORK. VERIFY ALL SPACES IN WHICH WORK WILL BE PERFORMED BY ON SITE MEASURE-MENTS. DO NOT SCALE DRAWINGS.
 2. WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NATIONAL PLUMBING CODE, N.E.C., UNLESS WRITTEN INDICATORS, N.E.P.A., ASHRAE GUIDES AND ALL MUNICIPAL STATE AND OTHER AUTHORITIES, PERMITS AND TRAVELS, HAVING JURISDICTION, REPORT ALL DISCREPANCIES WITH SUCH REGULATIONS TO OWNERS PROJECT ENGINEER AND DO NOT PROCEED WITH ANY WORK UNTIL RECEIPT OF WRITTEN AUTHORIZATION FROM ARCHITECT.
 3. COORDINATE WORK WITH ALL TRADES TO AVOID INTERFERENCE. NO CHANGE IN CONTRACT PRICE WILL BE ALLOWED BECAUSE OF ANY WORK MADE NECESSARY BECAUSE OF FAILURE TO DO SO.
 4. PLUMBING PLANS ARE DIAGNOSTIC AND DO NOT SHOW ALL PIPES AND FITTINGS REQUIRED.
 5. ALL VALVES TO BE JENKINS - VALWORTH, GRADE OR APPROVED EQUAL.

- ABBREVIATIONS**
- A.F.F. ABOVE FINISHED FLOOR
 - C.W. COLD WATER
 - F.N. FINISHED
 - F.L. FLOOR
 - G.A. GALLON
 - H.W. HOT WATER
 - N.L. NORMALLY CLOSED
 - N.O. NORMALLY OPEN

SEE DWG. IR-93-1 - PLUMBING - R/F INTERFACE WITH BUILDING PLUMBING SYSTEMS.

SCHEMATIC DIAGRAM NTS.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF WATERFORD, VERMONT
HIGHWAY NO. 193
HOT WATER SOLAR COLLECTOR SYSTEM

Designed by _____
Checked by _____
Date _____
Drawn by HANSON
APRIL 16, 1982

PROJECT WELCOME CENTER
PROJECT NO. IR 93-1(5)

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