

**PLUMBING SPECIFICATIONS**

ALL WORK SHALL COMPLY WITH PROVISIONS OF THE LATEST EDITION UNIFORM PLUMBING CODE, THE LATEST EDITION OF THE UNIFORM FIRE CODE, AND ALL OTHER CODES AND REGULATIONS SET FORTH BY THE AUTHORITY(IES) HAVING JURISDICTION.

CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, LICENSES, ETC. REQUIRED FOR HIS WORK.

THERE SHALL BE A ONE-YEAR GUARANTEE ON ALL WORK.

THE DRAWINGS DO NOT SHOW ALL DETAILS, FITTINGS, EXACT LOCATION OF PIPES, ETC. IT IS LEFT TO THE DESIGNER TO PROVIDE THE NECESSARY ITEMS IN AN APPROPRIATE MANNER TO RESULT IN PROPERLY FUNCTIONING SYSTEMS ACCEPTABLE TO THE ARCHITECT/ENGINEER.

IF THE CONTRACTOR WANTS TO PROVIDE EQUIPMENT OF DIFFERENT TYPE OR MANUFACTURE THAN THAT CALLED OUT ON THESE PLANS, HE SHALL FIRST SUBMIT THOSE ITEMS TO THE CONTRACTING OFFICER FOR APPROVAL.

ALL WORK SHALL BE RUN CONCEALED UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL REPAIR AND/OR PATCH ALL OPENINGS OR DEFECTS DUE TO INSTALLATION OF HIS WORK.

ALL MATERIALS SHALL BE NEW AND OF THE QUALITY INDICATED. WATER LINES SHALL BE COPPER TYPE L; WASTE AND VENT LINES SHALL BE CAST IRON (HUBLESS ABOVE-GROUND, HUB AND SPIGOT UNDERGROUND), GAS PIPING TO BE SCH. 40 BLACK STEEL.

INSULATE ALL HOT WATER LINES WITH 1-INCH FIBERGLASS (OWENS CORNING OR KNAUF) WITH ALL SERVICE JACKET.

CONTRACTOR SHALL PROVIDE RECORD DRAWINGS, CONSISTING OF MARKED-UP BLUE-LINE COPY.

ALL WATER (HOT AND COLD) PIPING SHALL BE PRESSURE TESTED AND STERILIZED; ALL GAS PIPING TO BE PRESSURE TESTED.

ALL PLUMBING CONTRACTORS MUST BE QUALIFIED AND LICENSED.

PROVIDE A SLEEVE FOR SPACING AROUND ALL PIPING WHICH PENETRATES THROUGH FOUNDATION SLAB/BEAMS TO ALLOW FOR MOVEMENT. SEAL ALL SPACING AROUND PIPES WITH WOOL MATERIAL AND CAULK.

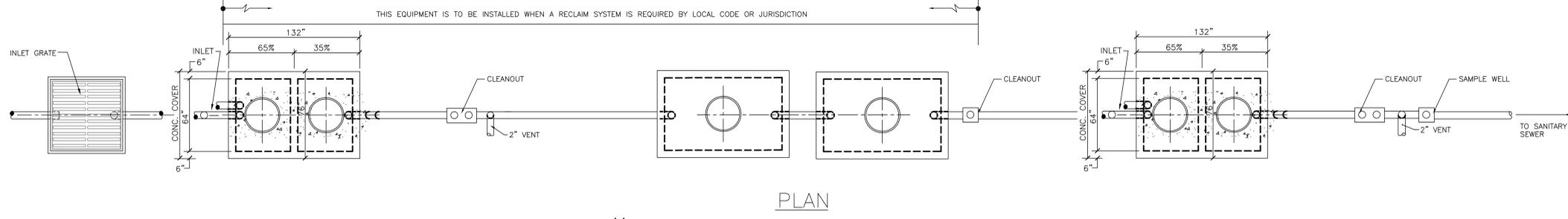
ALL VENT AND OTHER PENETRATIONS THROUGH THE ROOF ARE TO BE FLASHED IN.

WHEN WATER LINES ARE INSTALLED ON THE EXTERIOR WALL, THE WALL INSULATION SHALL BE BETWEEN THE PIPE AND THE EXTERIOR WALL.

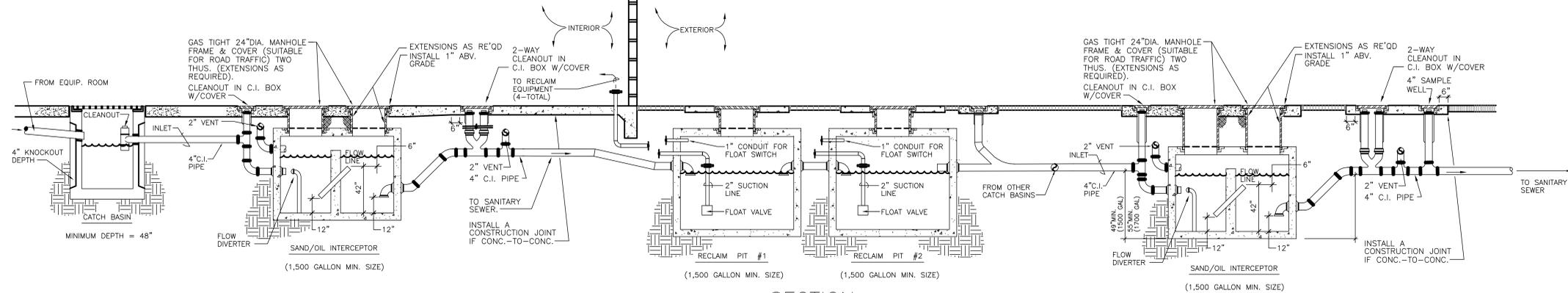
INSTALL SANITARY SEWER AT 2% SLOPE MINIMUM.

CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO DOING INSTALLATION.

**1 CAR WASH PLUMBING PLAN**  
 SCALE: 1/4" = 1'-0"  
 PLAN NORTH P301 P301  
 SCALE 1/4" = 1'-0"



**PLAN**



**SECTION**

**2 SECTION / PLAN - WASTE WATER FLOW DIAGRAM**  
 NO SCALE  
 P301 P301

| SYMBOL   | DESCRIPTION | DATE  | APPROVAL                   |
|--|-------------|---|----------------------------|
| REVISIONS  |             |   |                            |
| Drawn by: <b>RR&amp;</b><br>COORDINATION<br>Engr:<br>Design and Construction:<br>APPROVAL: |             | <b>HEADQUARTERS AIR FORCE SERVICES AGENCY</b><br>Title:<br><b>UNITED STATES AIR FORCE<br/>         NON-APPROPRIATED FUNDS PROJECT<br/>         35% AFNAF PROTOTYPES DESIGN<br/>         CONTRACT NO. HAFRA196C0002<br/>         POV CAR WASH<br/>         PLUMBING FLOOR PLAN</b> |                            |
| Director of Facilities   | date        | SCALE: 1/4" = 1'-0"   | DATE: <b>APRIL 7, 2000</b> |
| Director of Operations   | date        | DRAWING NUMBER:   | SHEET                      |
|  |             |   | <b>P3.01</b>               |
|  |             |   | OF                         |