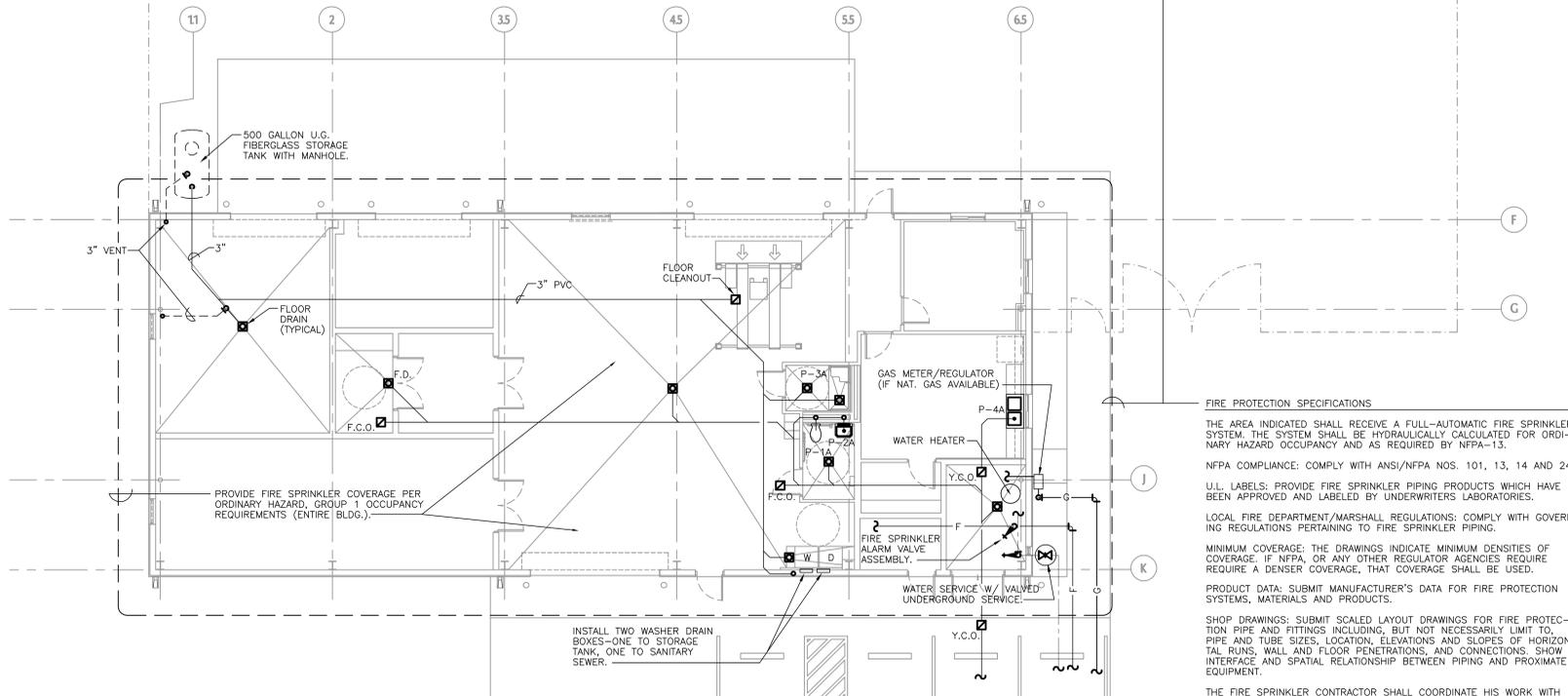


WASH - PAD EFFLUENT TREATMENT SYSTEM EQUIPMENT SCHEDULE	
<b>SUMP ASSEMBLY</b>	<b>FILTER/OXIDATION EQUIPMENT ASSEMBLY</b>
<ul style="list-style-type: none"> <li>CONSTRUCTION: CHEMICAL RESISTANT FIBER FILLED POLYPRO</li> <li>SUMP PUMP: 1/2 H.P. EFFLUENT PUMP WITH FLOAT</li> <li>ELECTRICAL: 115 VAC, 9.8 AMPS, 50/60 Hz, 9.5 KW</li> </ul>	<ul style="list-style-type: none"> <li>CONSTRUCTION: POLY SKID, STEEL FRAME</li> <li>PROCESS PUMP: 1 1/2 H.P. SELF PRIME CENT.</li> <li>CFC SYSTEM PUMP: DUAL - 1/6 H.P. PRIME CENT.</li> <li>PROCESS/DELIVERY RATES: 30 GPM / 25 GPM</li> <li>FILTER BACKFLUSH: AUTOMATIC ACTUATOR VALVE - MULTI-MEDIA FILTER</li> <li>MULTI-MEDIA FILTER: 3.14 SQ. FT., 235 LBS. MIXED MEDIA</li> <li>POLISHING FILTERS (3): 25 MICRON POLY DEPTH FILTERS</li> <li>CO P OXIDATION SYSTEM: XL UV/O CHAMBER - 0.48 GPM/HR.</li> <li>ELECTRICAL: 220 VAC, 60 Hz, 20 AMPS, 4.4 KW</li> <li>DIMENSIONS: 4' W x 7' L x 4' H</li> </ul>
<b>1/2 YARD GRASS CATCHER</b>	<b>AEROBIC DIGESTER ASSEMBLY</b>
<ul style="list-style-type: none"> <li>CONSTRUCTION: UV PROTECTED POLY, STEEL FRAME</li> <li>CAPACITY: 1/2 CUBIC YARDS</li> <li>FILTRATION: 170 MICRON STAINLESS STEEL MESH LINER</li> <li>DIMENSIONS: 2'-4" W x 3'-2" H x 4'-6" L</li> </ul>	<ul style="list-style-type: none"> <li>CONSTRUCTION: POLY SKID, STEEL FRAME</li> <li>AIR BLOWER: 1 H.P. REGENERATIVE, 92 CFM MAX. - 75 CFM CONT.</li> <li>ELECTRICAL: 115 VAC, 12.0 AMPS, 50/60 Hz, 1.15 KW</li> <li>MEDIA: 40 CU. FT. BIO MEDIA</li> <li>PROCESS RATE: 10 GPM</li> <li>DIMENSIONS: 4' W x 4' H x 9' L</li> </ul>
	<b>STORAGE TANK/ANAEROBIC DIGESTER TANK</b>
	<ul style="list-style-type: none"> <li>CONSTRUCTION: UV PROTECTED POLY TANK AND SKID</li> <li>CAPACITY: 550 GALLONS</li> <li>LEVER CONTROL: FLOAT SWITCH, SIGHT TUBE, FRESH WATER MAKE-UP</li> <li>DIMENSIONS: 4' W x 7' L x 4' H</li> </ul>

PLUMBING FIXTURE SCHEDULE							
MARK	DESCRIPTION	WASTE	VENT	TRAP	WATER		NOTES
					COLD	HOT	
P-1A	WATER CLOSET (ADA)	4"	2"	--	1"	--	WALL-HUNG, VITREOUS CHINA, OPEN-FRONT SEAT LESS CVR 1.6 GAL. PER FLUSH, ADA COMPLIANT FLUSH VALVE, WHITE.
P-2A	LAVATORY (ADA)	2"	1-1/2"	1-1/2"	1/2"	--	20"x17", HOT/COLD WATER SUPPLIES, ADA-COMPLIANT, SELF CLOSING FAUCET. COORDINATE TYPE OF LAVATORY WITH ARCH.
P-3A	SHOWER (ADA)	2"	1-1/2"	2"	1/2"	1/2"	ADA-COMPLIANT CONTROLS, HAND-HELD SHOWER HEAD, THERMOSTATIC MIXING VALVE, HEAVY-DUTY (EQUAL TO ACORN, BRADLEY), 1.0 SHOWER FLOW CONTROL, COORDINATE ENCLOSURE, FLOOR DRAIN, SEAT, GRAB BARS, ETC. WITH ARCHITECT.
P-3B	SHOWER (ADA)	--	--	--	1-1/4"	--	ADA-COMPLIANT EMERGENCY SHOWER/EYE-FACE WASH; FREEZE-PROTECTED AND THERMOSTATIC MIXING VALVE WITH WATER HEATER WHERE REQUIRED.
P-4A	SINK (ADA)	2"	1-1/2"	1-1/2"	1/2"	1/2"	STAINLESS STEEL, TWO-COMPARTMENT, 33"x22"x6" DEEP, SINGLE-LEVER FAUCET WITH SEPARATE HAND-SPRAY.
P-4B	SINK	2"	1-1/2"	1-1/2"	1/2"	--	STAINLESS STEEL, WALL MOUNTED, FREEZE PROTECTED.

NOTE: THE FLUSH VALVE HANDLE TO HANDICAPPED-USE WATER CLOSETS SHALL BE LOCATED ON THE "WIDE" SIDE OF THE STALL.



**PLUMBING SPECIFICATIONS**

ALL WORK SHALL COMPLY WITH PROVISIONS OF THE 1997 UNIFORM PLUMBING CODE AND ALL OTHER CODES AND REGULATIONS SET FORTH BY THE AUTHORITY 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 CONTRACTOR 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 MANUFACTURER THAN THAT CALLED OUT ON THESE PLANS, HE SHALL FIRST SUBMIT THOSE ITEMS TO THE CONTRACTING OFFICER FOR APPROVAL. (NO SUBMITTALS REQUIRED IF INSTALLING EQUIPMENT AS CALLED OUT ON PLANS AND SCHEDULES.)

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 (HUB-LESS 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 CALK.

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.

**FIRE PROTECTION SPECIFICATIONS**

THE AREA INDICATED SHALL RECEIVE A FULL-AUTOMATIC FIRE SPRINKLER SYSTEM. THE SYSTEM SHALL BE HYDRAULICALLY CALCULATED FOR ORDINARY HAZARD OCCUPANCY AND AS REQUIRED BY NFPA-13.

NFPA COMPLIANCE: COMPLY WITH ANS/NFPA NOS. 101, 13, 14 AND 24.

U.L. LABELS: PROVIDE FIRE SPRINKLER PIPING PRODUCTS WHICH HAVE BEEN APPROVED AND LABELED BY UNDERWRITERS LABORATORIES.

LOCAL FIRE DEPARTMENT/MARSHAL REGULATIONS: COMPLY WITH GOVERNING REGULATIONS PERTAINING TO FIRE SPRINKLER PIPING.

MINIMUM COVERAGE: THE DRAWINGS INDICATE MINIMUM DENSITIES OF COVERAGE. IF NFPA, OR ANY OTHER REGULATOR AGENCIES REQUIRE REQUIRE A DENSER COVERAGE, THAT COVERAGE SHALL BE USED.

PRODUCT DATA: SUBMIT MANUFACTURER'S DATA FOR FIRE PROTECTION SYSTEMS, MATERIALS AND PRODUCTS.

SHOP DRAWINGS: SUBMIT SCALED LAYOUT DRAWINGS FOR FIRE PROTECTION PIPE AND FITTINGS INCLUDING, BUT NOT NECESSARILY LIMIT TO, PIPE AND TUBE SIZES, LOCATION, ELEVATIONS AND SLOPES OF HORIZONTAL RUNS, WALL AND FLOOR PENETRATIONS, AND CONNECTIONS. SHOW INTERFACE AND SPATIAL RELATIONSHIP BETWEEN PIPING AND PROXIMATE EQUIPMENT.

THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL THE OTHER TRADES (HVAC, ELEC, ETC.) AND SHALL MAKE MODIFICATIONS REQUIRED AT NO EXTRA COST TO THE OWNER.

WHEN INSTALLED IN LAY-IN-TYPE GRIDDED CEILINGS, THE HEAD SHALL BE CENTERED IN THE SHORT DIRECTION, AND THE 1/4-, 1/2- OR 3/4-LENGTH OF THE LAY-IN GRID "LONG" DIMENSION.

SYSTEM LAYOUT: THE FIRE SPRINKLER AREAS, PIPING, ETC. AS INDICATED ARE ONLY FOR CONTRACTOR'S REFERENCE AS TO AREAS TO BE PROTECTED AND POSSIBLE PIPING ROUTES. ACTUAL NUMBER, SPACING AND LOCATION OF HEADS AND SIZE AND ROUTES OF PIPING SHALL BE PROVIDED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS AND ACCEPTABLE SHOP DRAWINGS. ALL LAYOUTS, HEAD SPACING, COVERAGE, ETC. AS MAY BE REQUIRED BY THE EXPERIENCED AUTHORITIES AND/OR ARCHITECTURAL AND STRUCTURAL CONDITIONS SHALL BE MADE. MODIFICATIONS TO HEAD SPACING, PIPE ROUTES, ETC. SHALL BE CLOSELY COORDINATED WITH THE WORK OF ALL OTHER TRADES.

INSTALLER: A FIRM WITH AT LEAST THREE (3) YEARS OF SUCCESSFUL INSTALLATION EXPERIENCE ON PROJECTS WITH FIRE PROTECTION PIPING SYSTEMS WORK SIMILAR TO THE REQUIRED FOR PROJECT.



**1 MAINTENANCE BLDG. FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



SYMBOL	DESCRIPTION	DATE	APPROVAL
REVISIONS			
Drawn by: <b>RRG</b>		<b>HEADQUARTERS AIR FORCE SERVICES AGENCY</b>	
COORDINATION:		Title:	
Engr:		<b>UNITED STATES AIR FORCE NON-APPROPRIATED FUNDS PROJECT 365 AFNAF PROTOTYPES DESIGN CONTRACT NO. WAFB19600002</b>	
Design and Construction:		<b>GOLF COURSE COMPLEX PLUMBING FLOOR PLAN</b>	
APPROVAL:		SCALE: 1/8" = 1'-0" DATE: <b>APRIL 7, 2000</b> SHEET	
Director of Facilities	date	DRAWING NUMBER:	<b>P1.01</b>
Director of Operations	date		OF