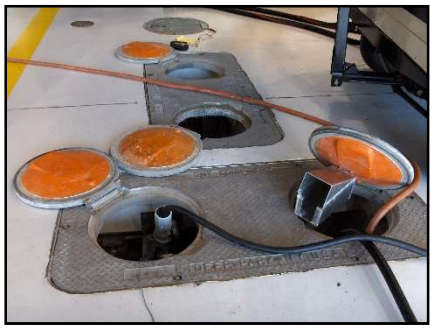
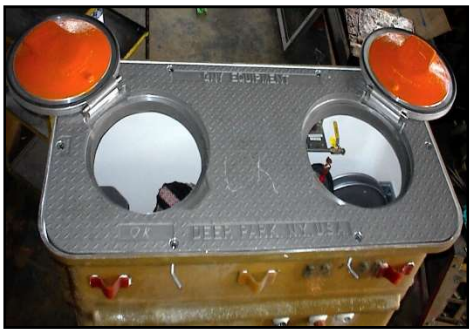
GNY AIRCRAFT GROUND SERVICE PIT MODEL 6000WR

FOR AIRPORT APRON AND HANGER MAINTENANCE FACTILITIES





The standard Model 6000WR pit consists of a three piece cast aluminum cover assembly and a one piece molded fiberglass shell, water resistant-seals, pipe collar, flexible fuel-resistant boot type seal, and stainless steel clamps. The shell entrance (s) can be located in bottom, sides or ends depending upon application. Optional Fiberglass shell available with galvanized steel frame molded in a one piece design.

APPLICATIONS:

FUEL HYDRANT	For all commercial and military aviation fuel hydrant valves, single or dual configuration.
ISOLATION	For pipeline isolation valves.
WATER SERVICE	For water hydrant outlets and/or water service.
COMBINATION VENT/DRAIN	For piping system venting and draining connections used in conjunction with isolation pits (fuel, water and air).
ELECTRICAL	For 120 volt and 240 volt, 60 hertz and 400 hertz service and other various voltages and frequencies without transformers.
AIR START	For air start service complete with automatic valve, air start hose, coupler and coupler holder.
PRECONDITIONED AIR	For conditioned air systems.
SURGE SUPPRESSOR	For installation of surge suppressors.
MAINTENANCE ACCESS	For access manways into underground vaults.
SPECIAL APPLICATIONS	Model 6000RV & 6000RVE refer to GSP booklet pages 44 to 54.

SHELL: The Model 6000 pit shell is a one piece molded unit. **The inside dimensions of the shell are 61 inches (1550mm) long by 25.5 inches (650mm) wide and 60 inches (1525mm) deep.** The shell wall is nominally three-eights (.375) inch (9.5mm) thick and has ten (10) integral brackets for concrete anchors equally spaced around the outside perimeter of the shell below the cover seat. The pit shell is a glass fiber reinforced plastic (GRP) structure composed of 30 percent glass fiber and 70 percent polyester resin. The glass fiber is high quality, commercial grade. The polyester resin is a premium grade, corrosion resistant isophthallic type resistant to soil borne chemicals as well as aircraft fuels, hydraulic oils, and deicing solutions. The shell interior is coated with resin-rich gel coat having a white pigment to provide a bright, clean environment and appearance. Fluids collected in the pit may be drained through a 3 inch IPS rigid PVC pipe coupling installed in the shell's drain trough for connection to a suitable collection system.

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COVER:
The pit cover is a three piece, non-skid, non-sparking, assembly consisting of one stationary outer ring, and an inner access covers. The inner covers can be opened a full 180 degrees with a 25 Lb. (11.4kg) single hand lifts on a non-weight-bearing hinges, to expose two 18 inch (460mm) diameter clear opening. Each inner cover is available with cast in service identification (one inch (25mm) high by .062 inch (1.5mm) raised letters), a deep pocket hand-hole, and an edge finger-grip. The cover assembly is completely removable for maximum access to internal equipment. Each cover is manufactured from an aluminum-zinc alloy casting conforming to Federal Specification (USA) QQ-A-601F alloy 712.0 (formerly 40E). This alloy provides high strength, excellent machinability and ductility, very good shock and corrosion resistance, and uniform material properties throughout the casting.

LOADING RATING: The cover assembly (part numbers 6533371 and 6533772(H) is guarantee to withstand a single 200,000 pound (90720 kg) load applied over a 200 square inch (1290cm2) tire footprint area placed anywhere on it (1000psi (70.3kg/cm2) rating). This represents a 4 to 1 safety factor.

QUALITY ASSURANCE: All covers are proof loads tested and evaluated in accordance with the United States Military Standard MIL-STD-105, "Sampling Procedures and Tables for Inspection Attributes".

OPTIONS:

FLANGED STEEL SUPPORT FRAME FOR COVER	Integrally Flanged Steel Frame bonded to the fiberglass shell.
OVER-ALL-DEPTH	Presently available optional depths 39, 48, 72, 78, 84, 96, 108, 120, 132, and 144 inches (990, 1220, 1830, 1980, 2135, 2440, 2745, 3050, 3355, and 3660mm). Other depths are available on special order.
CUSTOM SHELL CONFIGURATIONS	Side extensions available on special order.
SHELL PENETRATIONS	Liquid tight penetrations through shell walls or floor are available for piping, electrical conduit, etc.
SPLIT TOP SHELL	A special slip-fit, removable top section is available to enable a continuous concrete apron Panel pour. The removable upper section is supplied with ten (10) additional integral brackets for concrete anchors. Glass reinforced plastic "mud covers" are available to prevent concrete from entering The pit during the continuous concrete pours.
SHELL BOTTOM	A solid, liquid tight, flat bottom is available.
INNER COVER SEAL	Fuel resistant "O" ring seal installed in a machined groove.
COLLECTION SUMP	Provides a collection sump for use with the drain trough.

Installation at Airport Hanger

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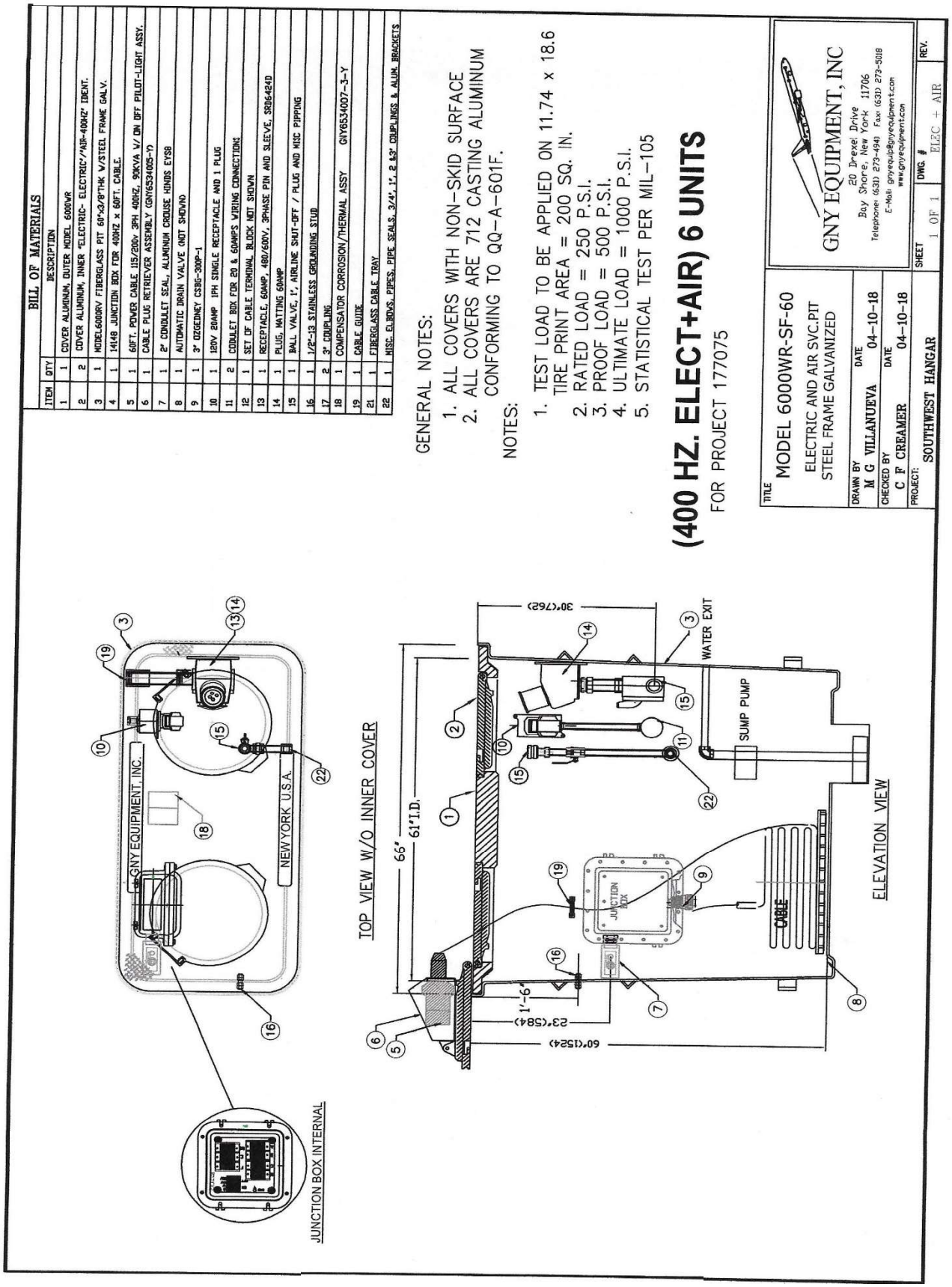

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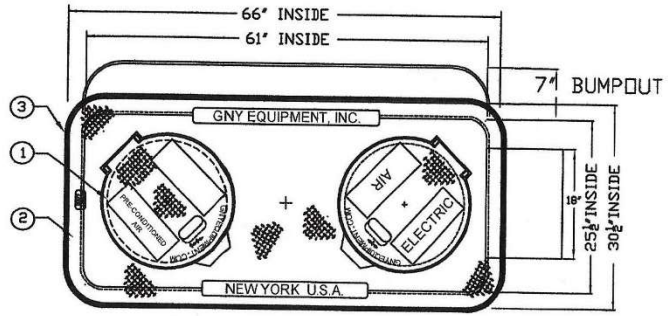
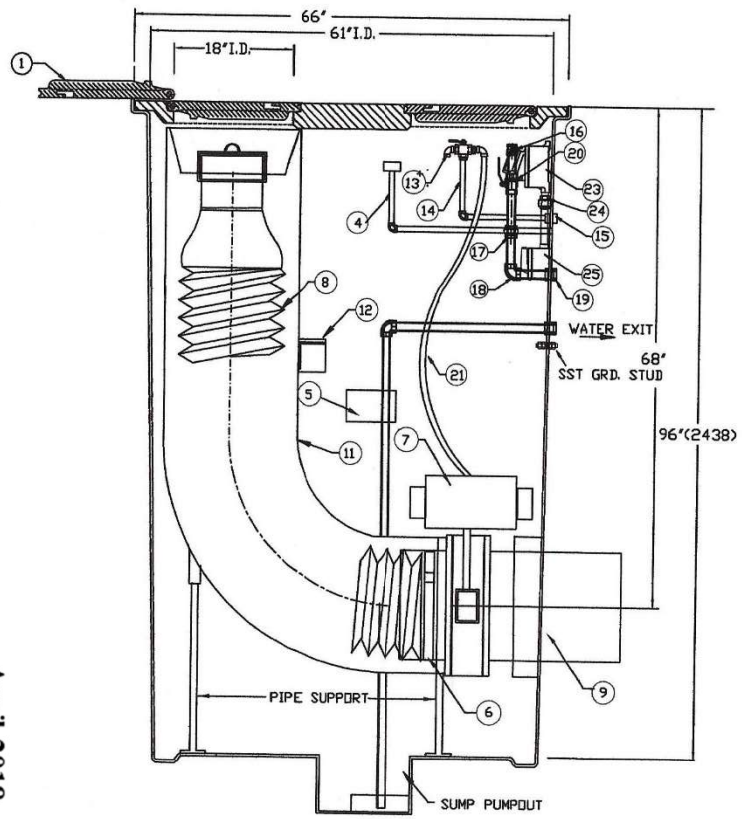


TOP COVER CLOSED ASSEMBLY



BILL OF MATERIALS

ITEM	QTY	DESCRIPTION
1	2	COVER, INNER WITH WATER SEAL , IDENT "PRE CONDITION AIR" AND "AIR"
2	1	COVER, OUTER MODEL GNY6000 WITH WATER SEAL
3	1	M6000WR96 FIBERGLASS ⅜" THICK ASSEMBLY W/STEEL FRAME GALV.
4	1	PUSH BUTTON FOR PCA UNIT ON/OFF
5	1	1/2 HP SUMP PUMP CLASS 11, GRP F AND G, DIV 1 & 2
6	1	STAINLESS HOSE CLAMPS
7	1	14"SR BUTTERFLY VALVE CAST IRON WITH ACTUATOR SWITCH OFF/ON
8	1	14"X 60" CABIN AIR RETRACTING HOSE NON-INSULATED
9	1	14" X SCHEDULE 80 CARBON STEEL PIPE
10	1	8"(406) HOSE COUPLER AND ADAPTOR WITH SOFT CUFF 8" x 14"
11	1	18" FIBERGLASS HOSE GUIDE
12	1	4" ANGLE ALUMINUM BRACKET FIBERGLASS HOSE GUIDE
13	1	½" PNEUMATIC VALVE SWITCH 3WAY
14	1	½"AIRLINE PIPE STAINLESS
15	1	½"AIRLINE PIPE COUPLING STAINLESS
16	1	1"(25.4)THREADED BRONZE QUICK DISCONNECT AND MATING PLUG
17	1	1"(25.4) SSU304 COUPLING
18	1	90DEG ELBOW 1"STAINLESS
19	1	1"STAINLESS UNION
20	1	1"(25.4)THREADED BRONZE BALL VALVE
21	1	⅜" HOSE WITH SWIVEL FITTINGS
22	2	MISCELLANEOUS RAW MATERIALS, BRACKETS AND SUPPORTS
23	1	SINGLE RECEPTACLE AND PLUG 120 PH 60HZ, 20A
24	2	¾" COUPLING
25	1	¾"GUAB CONDULET AND SEAL

GENERAL NOTES:

1. ALL COVERS WITH NON-SKID SURFACE
2. ALL COVERS ARE 712 CASTING ALUMINUM CONFORMING TO QQ-A-601F.

NOTES:

1. TEST LOAD TO BE APPLIED ON 11.74 x 18.6 TIRE PRINT AREA = 200 SQ. IN.
2. RATED LOAD = 250 P.S.I.
3. PROOF LOAD = 500 P.S.I.
4. ULTIMATE LOAD = 1000 P.S.I.
5. STATISTICAL TEST PER MIL-105

(PCA+ ELECT+AIR) 6 UNITS

FOR PROJECT 177075

TITLE: MODEL 6000WR-SF-96 PCA AIR, ELETRIC AND AIR SUPPLY		GNY EQUIPMENT, INC 20 Drexel Drive Bay Shore, New York 11706 Telephone: (631) 273-4940 Fax: (631) 273-5018 E-Mail: gnyequip@gnyequipment.com www.gnyequipment.com	
DRAWN BY: M G VILLANUEVA	DATE: 04-10-18		
CHECKED BY: C F CREAMER	DATE: 04-10-18		
PROJECT: SOUTHWEST. HANGAR	SHEET: 1 OF 1	DWG. #: PCA+ELECT+AIR	REV.

www.gnyequipment.com

April 2018

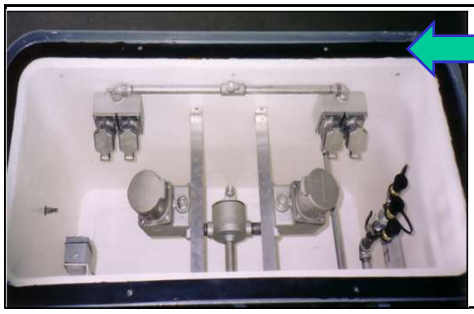
GNY PIT MODEL 6000WR

One on the First products designed by our engineers was **the first aluminum fuel hydrant pit cover, capable of withstanding aircraft wheel loads on the ramp.** Since that time in early 1950's, we have designed and manufactured thousands (10,000+) of steel and fiberglass ground service pits, in 22+ different model for fuel, water, preconditioned air, air, air start and electrical service to aircraft, which covers all requirement of Airports, Airlines, Military, Fueling Service Companies, Oil Companies and Corporates. Larger versions of the pits have been designed and installed for maintenance of isolation valves or for equipment vaults.

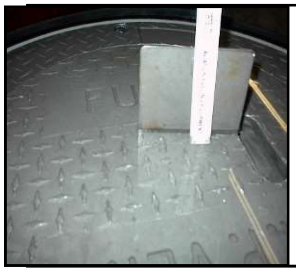
: GNY Model 6000 Proof Load Test:

The cover assembly is under load test **guarantee** to withstand a single 200,000 pound (90720 kg) load applied over a 200 square inch (1290cm2) tire footprint area placed anywhere on it (1000psi (70.3kg/cm2) rating). **This represents a 4 to 1 safety factor.**

Special Water Resistant Feature:



Water Resistant Flat Gasket installed at all four sides of out-cover and O-rings Gasket at Inner Covers 360 deg.



Water Resistant Testing with 2” of Water on Top Covers Assy.