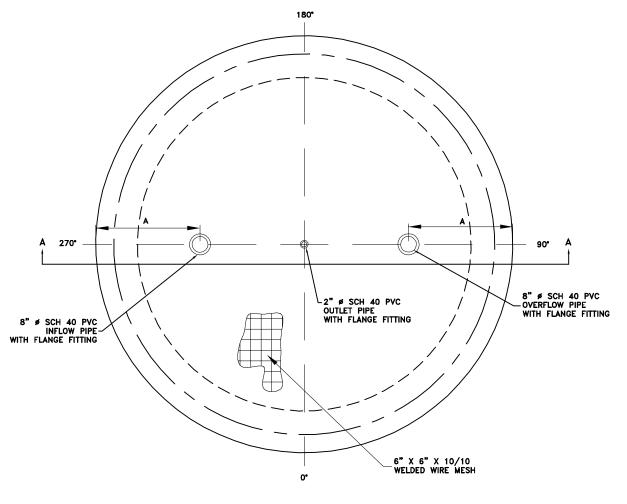
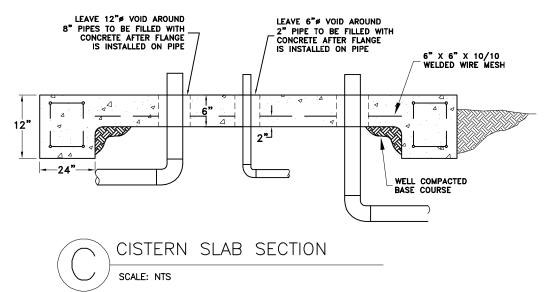


- RAINWATER OVERFLOW FROM TANK - POWER SUPPLY
- ∠WATER METER ∠IRRIGATION FILTER
 - RAINWATER COLLECTION SYSTEM AND IRRIGATION PUMP SYSTEM SCHEMATIC

SYSTEM SPECIFICATIONS:
RAINWATER TANK: 53,000 GALLON CORRUGATED METAL TANK (30' DIA. x 10'9" HEIGHT) PUMP: 3 HP FLINT & WALLING CENTRIFUGAL PUMP, MODEL #CJ101C303, 208V
PRESSURE TANK: 14 GALLON PRESSURE BLADDER, AIR—E—TRAINER MODEL #AT44
VSC: VARIABLE SPEED CONTROLLER, FLINT & WALLING ARTESIAN DRIVE, MODEL #AD096096
WATER METER: 1 1/2" DLJ EPOXY COATED BRONZE WATER METER, MODEL #DLJ150 IRRIGATION FILTER: 2" AMIAD FILTER, MODEL #DLJ150
PUMP PROTECTION: RUN-DRY PROTECTION FLOAT SWITCH, SJE PUMPMASTER PLUS





Tank Pad Dia. A 30'-0" 33'-0" 4'-0"

> 53,000 GALLON CORRUGATED, GALVANIZED STEEL WATER STORAGE CISTERN WITH LINER -

30'0 X 10'9" SIDEWALL HEIGHT
SCAFCO MODEL NO. 3003-WT-SAP
WITH EXTENDED ROOF PANELS
SUPPLIED BY
INNOVATIVE WATER SOLUTIONS

- **GENERAL FOUNDATION NOTES:**
- SITE MUST BE 95% COMPACTED SOIL BACK-FILL OR UNDISTURBED SOIL. SITE MUST BE FREE FROM STANDING WATER AND WELL DRAINED. 2. SOIL AROUND FOOTING RING MUST BE UNIFORM (NOT FINE
- SAND).

 3. FOUNDATION DESIGN IS BASED ON UNIFORM SOIL BEARING CAPACITY OF 2000 LB. PER SQ. FT. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 2500 PSI.

 4. REINFORCING STEEL—STANDARD DEFORMED BARS Fy 40,000 5. ADD (1) POUND TO REBAR REQUIREMENTS FOR EACH END
- ADD (1) POUND TO REBAR REQUIREMENTS FOR EACH END LAP. LAP BARS 15:
 THESE ARE GENERAL CONCRTE FOUNDATION REQUIREMENTS, AND SHOULD BE EVALUATED WITH RESPECT TO EACH SITE. CONSULT WITH A LOCAL ENGINEER IF SITE IS QUESTIONABLE.
 FOUNDATION SHOULD BE POURED SMOOTH FOR PROPER WEATHER SEAL AND BIN ANCHORAGE.
 PIPES SHOULD STUB-OUT AT LEAST ONE FOOT OUT FROM FINISHED SLAB FLOOR.

8" BELOW THE EDGE OF TANK LINER

INLET/OVERFLOW PIPING

SEÉ PLAN VIEW FOR

LOCATIONS ON CISTERNS

FLOAT SWITCH SET AT A 1'

RAINWATER CISTERN SECTION

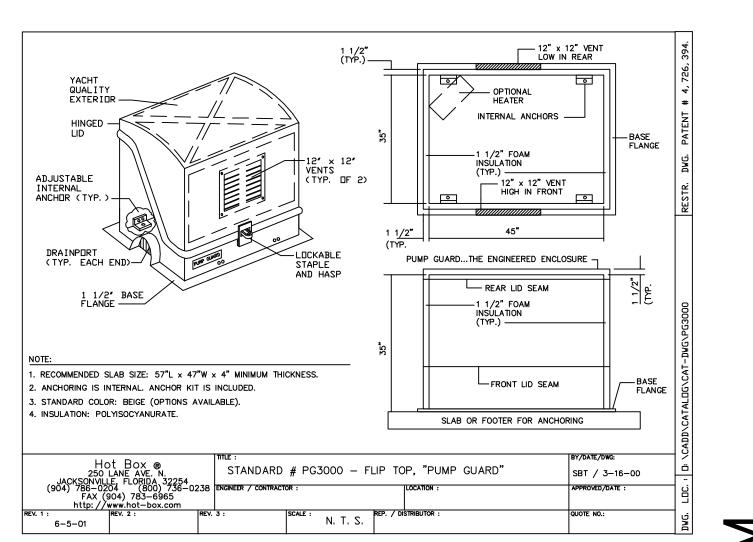
ILLUSTRATIVE VIEW

SCALE: NTS

ELECTRICAL SUPPLY TO PUMP

INSTALL STUB-OUT

- 1. RAINWATER COLLECTION SYSTEM SHALL COLLECT RAINWATER TO BE USED SOLELY FOR OUTDOOR IRRIGATION USE ONLY. NO CONNECTION TO ANY INDOOR PLUMBING SHALL BE MADE.
- 2. THIS SYSTEM WILL ALSO COLLECT CONDENSATE FROM THE HVAC UNITS. 3. THE RAINWATER COLLECTION PIPING AND OVERFLOW PIPING SHALL BE
- BURIED A MINIMUM OF 12"
- 4. OVERFLOW WATER FROM THE RAINWATER COLLECTION CISTERN SHALL BE ROUTED AS SHOWN ON PLANS TO FLOW INTO THE STORMWATER BASIN NEXT TO THE LOCATION OF THE CISTERNS.
- 5. ELECTRICAL SUPPLY FOR IRRIGATION PUMP SYSTEM SHALL BE PROVIDED BY OTHERS.
- 6. IRRIGATION PUMP SYSTEM CONNECTION TO IRRIGATION SYSTEM SHALL BE PROVIDED BY OTHERS. 7. THE SYSTEM SHALL BE EQUIPPED WITH AN AUTO-FILL SYSTEM FOR CISTERN
- MAKE-UP WATER SUPPLY. A SUPPLY LINE FROM A MUNICIPAL SOURCE SHALL BE CONNECTED TO THE CISTERN WITH AN AIR GAP. THE AIR GAP SHALL COMPLY WITH CITY OF AUSTIN CROSS CONNECTION REQUIREMENTS. 8. ALL IRRIGATION PIPING AND COMPONENTS SHALL BE "PURPLE PIPE" TO
- SHOW USE OF NON-POTABLE WATER IN THE IRRIGATION SYSTEM. 9. IRRIGATION CONTRACTOR SHALL ENSURE THAT A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER IS INSTALLED ON THE MUNICIPAL WATER SUPPLY PIPE THAT CONNECTS TO THE IRRIGATION SYSTEM. THE RPZ BACKFLOW
- SHALL BE INSTALLED INSTEAD OF A DOUBLE CHECK VALVE ASSEMBLY. 10. WHEN RAINWATER / AC CONDENSATE SYSTEM HAS RUN OUT OF WATER, THE MUNICIPAL WATER SUPPLY TO THE IRRIGATION SYSTEM SHALL BE ENGAGED. THE IRRIGATION SYSTEM SHALL RUN OFF MUNICIPAL WATER SUPPLY UNTIL ENOUGH RAINWATER OR AC CONDENSATE HAS FILLED THE CISTERNS TO RUN
- THE IRRIGATION SYSTEM. 11. THE PUMP SYSTEM SHALL BE EQUIPPED WITH A PUMP KILL FLOAT SWITCH WHICH WILL PROTECT THE PUMP BY INTERRUPTING THE POWER SUPPLY TO THE PUMP ONCE THE WATER LEVEL IN THE CISTERN REACHES 12" FROM THE



IRRIGATION PUMP ENCLOSURE SCALE: NTS

INSTALL LEVEL INDICATOR SEE DETAIL, THIS SHEET

8" NOM. SPLIT-FACE

CMU FACADE AROUND STORAGE TANK (TYP.) SEE ARCH. PLANS

CISTERN LINER SUPPLIED BY MANUFACTURER INSTALL PER MANUFACTURER'S

CISTERN SLAB — FFE=828.0'

INSTRUCTION



-lays

Bud

The seal appearing o

this document was

authorized by Chris Maxwell—Gaines

on____07/09_,20<u>09</u>

TE OF TEAT

CHRIS MAXWELL-GAINES

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