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**BULK FLUID DISTRIBUTION SYSTEM A CENTRAL FLEET MAINTENANCE**  
 1508 N. CLARK AVENUE  
 TAMPA, FLORIDA

DPW FILE NUMBER

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 PW7400

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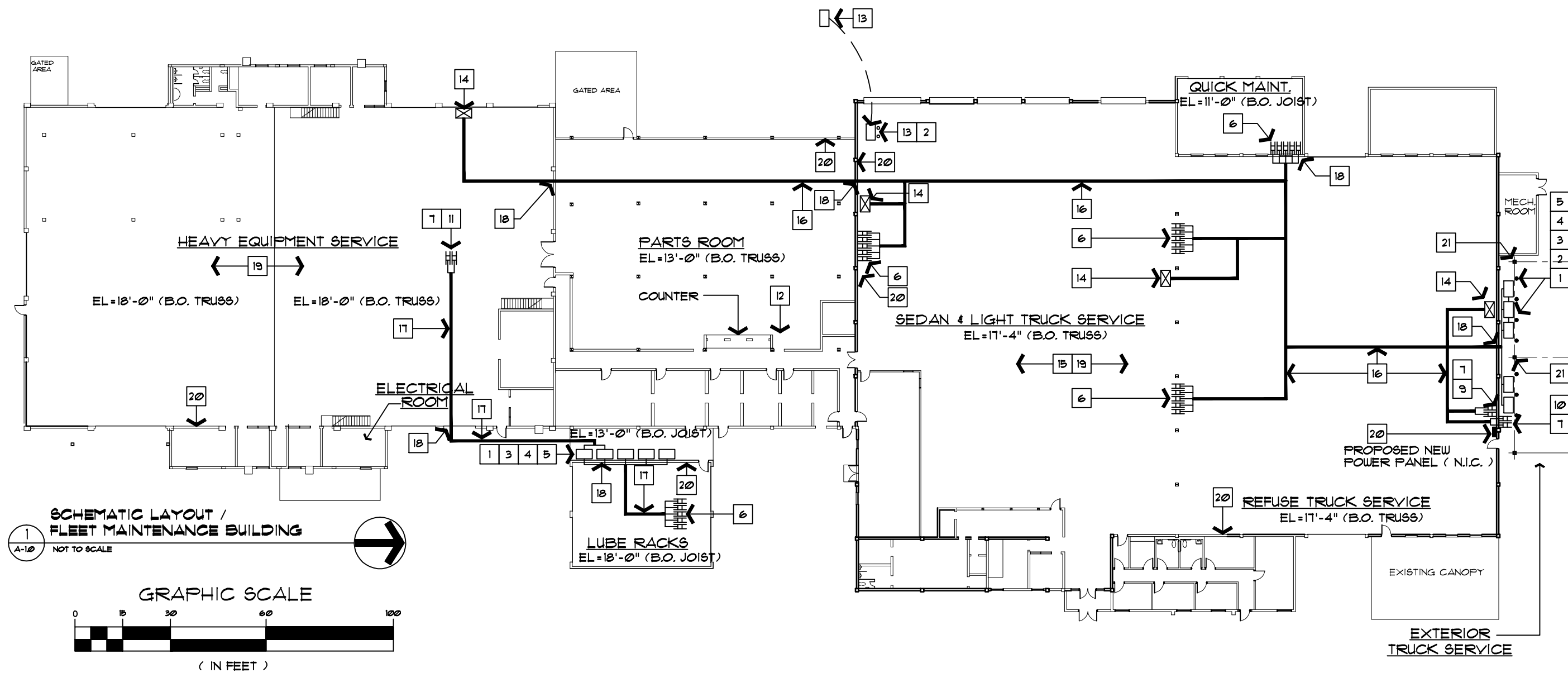
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NOT TO SCALE

SHEET NAME  
 SCHEMATIC LAYOUT

SHEET NUMBER  
 A-10

1 OF 3

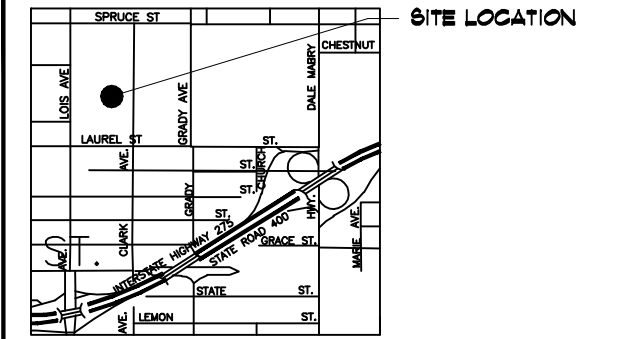


**SCOPE :**

PROVIDE BULK FLUID DISTRIBUTION SYSTEM, INCLUDING BUT NOT LIMITED TO DESIGN AND ENGINEERING, TANKS, PUMPS, REEL ASSEMBLIES, PIPING AND HANGERS, INVENTORY CONTROL SYSTEM ( INTEGRATED WITH CITY SYSTEM ), RELATED ELECTRICAL MODIFICATIONS, WITH ALL ASSOCIATED WORK REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM. WARRANTY: MINIMUM 2 YEARS ON EQUIPMENT ( ALL EQUIPMENT SHALL BE FROM SAME MANUFACTURER ).

PROVIDE SYSTEM FOR DISTRIBUTION OF THE FOLLOWING PRODUCTS : OILS ( 5W-20, 5W-30, 15W-40 ), AUTOMATIC TRANSMISSION FLUID ( ATF : "MERCON V" ), COOLANT AND USED OIL.

**LOCATION MAP**



**LEGAL DESCRIPTION**

SEC 16 T295, R18E  
 ATLAS SHEET NO. H-9

# KEY NOTES

1. PROVIDE FIVE ( 5 ) 275 GALLON DOUBLE-WALL STEEL TANKS ( PAINTED ) WITH OVER-SPILL CONTAINER, TANK LEVEL MONITOR, LEAK DETECTION GAUGE, EMERGENCY VENT, LOCKING FILL CAP, LEGS, ANCHOR BOLTS, CONC. PAD ( SEE DETAIL 3/A-2.0 ), ETC.
2. PROVIDE BOLLARDS ( SEE DETAIL 2/A-2.0 ) TO PROTECT TANK.
3. PROVIDE THREE ( 3 ) 5:1 RATIO OIL PUMP / ASSEMBLY WITH FILTER / ASSEMBLY ( 1/4" COMBO FILTER, HOSE, REGULATOR, LUBRICATOR, GAUGE, AUTO DRAIN ), TYPE 304 STAINLESS STEEL TUBING / FITTINGS / VALVES ( SEE DETAIL 1/A-2.0 ). IF THE SCOPE OF ALTERNATE No. 1, 2 AND / OR 3 IS NOT PERFORMED, PROVIDE STUB OUT OF TYPE 304 STAINLESS STEEL TUBING WITH GLOBE VALVE AND PLUG TO ALLOW TO ALLOW FOR FUTURE EXTENSION.
4. PROVIDE ONE ( 1 ) 2.5:1 RATIO STAINLESS STEEL PUMP / ASSEMBLY FOR COOLANT WITH FILTER / ASSEMBLY ASSEMBLY ( 1/4" COMBO FILTER, HOSE, REGULATOR, LUBRICATOR, GAUGE, AUTO DRAIN ), TYPE 304 STAINLESS STEEL TUBING / FITTINGS / VALVES ( SEE DETAIL 1/A-2.0 ).
5. PROVIDE SAME AS KEYNOTE 4 FOR ATF.
6. PROVIDE FIVE ( 5 ) DOUBLE POST REEL ASSEMBLIES WITH CONTROL / DISPENSING VALVES, MOUNTING BRACKETS / CHANNELS, 50 FT. x 1/2" DIAMETER HOSES, METHOD OF INVENTORY CONTROL, TYPE 304 STAINLESS STEEL TUBING / FITTINGS / VALVES ( SEE DETAIL 1/A-2.0 ).
7. SAME AS KEYNOTE 6, EXCEPT PROVIDE TWO ( 2 ) DOUBLE POST REEL ASSEMBLIES FOR ATF AND COOLANT, ETC.
8. SAME AS KEYNOTE 7, EXCEPT PROVIDE MIN. 15 FT. x 1/2" DIAMETER HOSES, ETC.
9. ALTERNATE No. 1 :  
SAME AS KEY NOTE 10, EXCEPT PROVIDE MIN. 15 FT. x 1/2" DIAMETER HOSES, ETC.
10. ALTERNATE No. 2 :  
SAME AS KEYNOTE 6, EXCEPT PROVIDE ADDITIONAL THREE ( 3 ) DOUBLE POST REEL ASSEMBLIES FOR OILS, ETC.
11. ALTERNATE No. 3 :  
SAME AS KEYNOTE 10.
12. PROVIDE INVENTORY CONTROL SYSTEM ( CONTROLLER / SOFTWARE, CONTROL VALVES / METERS, ETC ), PER EQUIPMENT MANUFACTURER'S INVENTORY CONTROL SYSTEM FOR A COMPLETE / OPERATIONAL BULK FLUID DISTRIBUTION SYSTEM, INCLUDING INTEGRATION WITH THE CITY'S CURRENT INVENTORY SYSTEM / SOFTWARE ( "FASTER" / CCG SYSTEMS ) - SEE DETAIL 1/A-2.0
13. RELOCATE 250 GALLON USED OIL TANK TO LOCATION SHOWN AND ANCHOR TO EXISTING CONC. FLOOR, ( CONFIRM LOCATION IS ACCEPTABLE TO USER PRIOR TO INSTALLATION ). PROVIDE PUMP SHUT DOWN SYSTEM TO ELIMINATE OVER FILL OF TANK.
14. PROVIDE 1" DOUBLE DIAPHRAGM PUMP WITH COMBO FILTER, REGULATOR, GAUGE, AUTO DRAIN, STRAINER, LUBRICATOR, WALL BRACKET, ETC.
15. PROVIDE ROLL-A-ROUND OIL DRAINS ( QUANTITY : 10, APPROX. 15 GALLON CAPACITY WITH SUCTION TUBE, SCREEN, FLOAT GAUGE, ETC ) AND OIL DRAIN WAGONS ( QUANTITY : 5 ).
16. PROVIDE 1.000" O.D. TYPE 304 STAINLESS STEEL TUBING ( 035 W ) AND FITTINGS, ETC, WITH VALVE AT EACH REEL AND TRAPEZE HANGER / BRACKETS AT MAX. 8 FT. O.C. ( NOTE: ACTUAL NUMBER OF PIPES NOT SHOWN FOR CLARITY ). TOTAL PROJECT QUANTITY ( NOT INCLUDING ALTERNATES ) : APPROX. 2,300 LF.
17. SAME AS KEYNOTE 16, EXCEPT PROVIDE 0.625" O.D. AND TRAPEZE HANGER / BRACKETS AT MAX. 5 FT. O.C. TOTAL PROJECT QUANTITY ( NOT INCLUDING ALTERNATES ) : APPROX. 1,000 LF.
18. PROVIDE SEAL AT ALL PIPE PENETRATIONS OF WALLS ( EXTERIOR WALL SEAL SHALL BE WEATHER-PROOF / INTERIOR WALL SEAL SHALL BE SEALANT - FIRE RATED IF FIRE-RATED WALL ), INCLUDING ESCUTCHEON.
19. EXISTING COMPRESSORS ( APPROX. 180 PSI ) : SEVERAL ARE LOCATED ON THE NORTH END AND SOUTH END OF THE BLDG. WITH PIPING THROUGHOUT FOR USE IF NEEDED ( VERIFY LOCATION, CAPACITY, ETC. ).
20. APPROX. LOCATION OF POWER PANEL FOR USE IF NEEDED.
21. PROPOSED CANOPY COLUMNS / FOOTINGS TO BE PROVIDED ( N.I.C. ) - COORDINATE TANK / PIPING AND CONC. PAD / BOLLARD LOCATIONS TO ALLOW MIN. 10 FT. WIDE AREA FOR INSTALLATION OF CANOPY COLUMNS / FOOTINGS ( BY OTHERS ).



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BULK FLUID  
DISTRIBUTION SYSTEM A  
CENTRAL FLEET  
MAINTENANCE  
NORTH CLARK AVENUE  
TAMPA, FLORIDA

DPW FILE NUMBER

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P187400

ISSUE DATE

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DRAWN BY  
KCT

REVISIONS

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SEAL

NONE

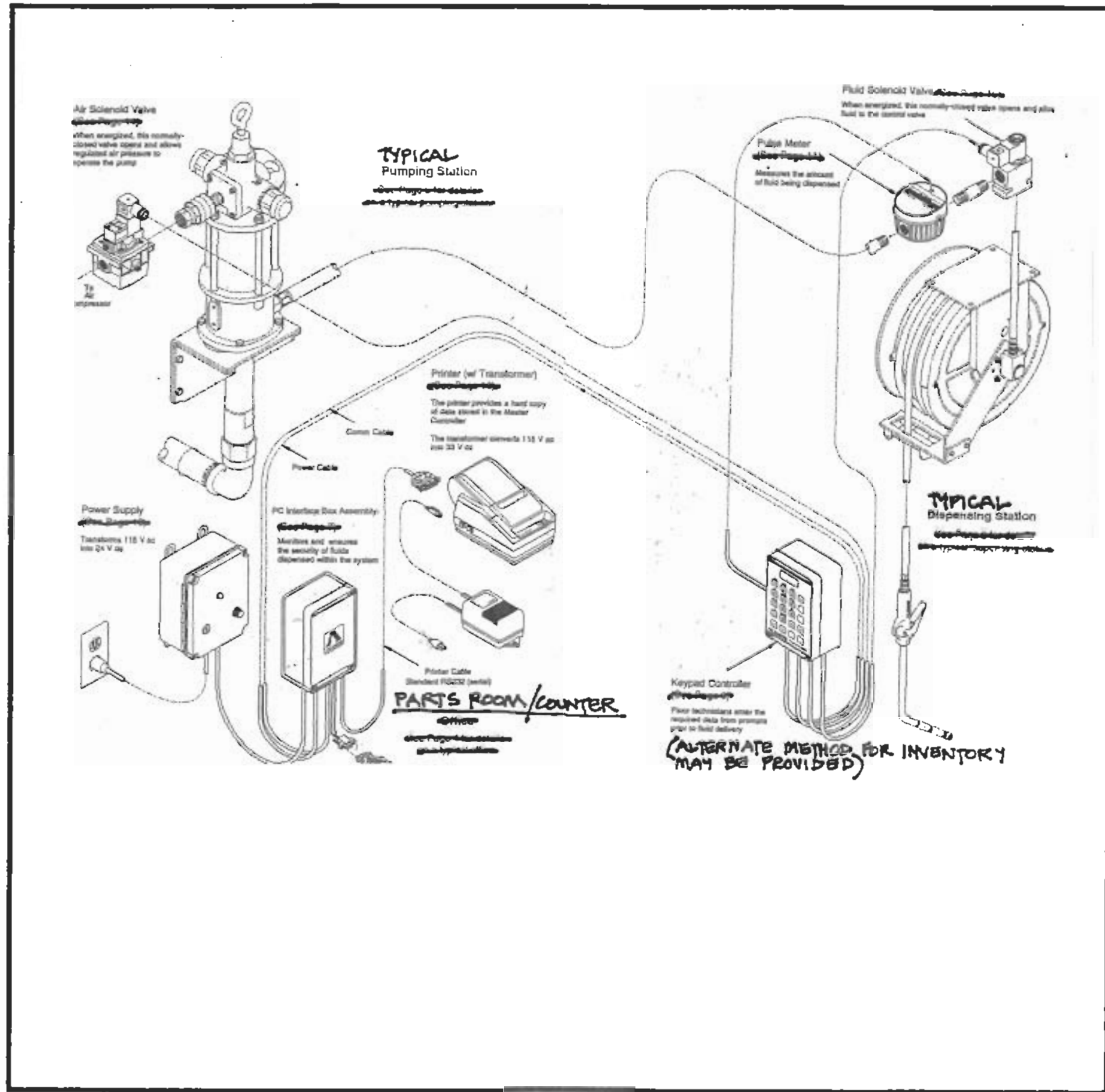
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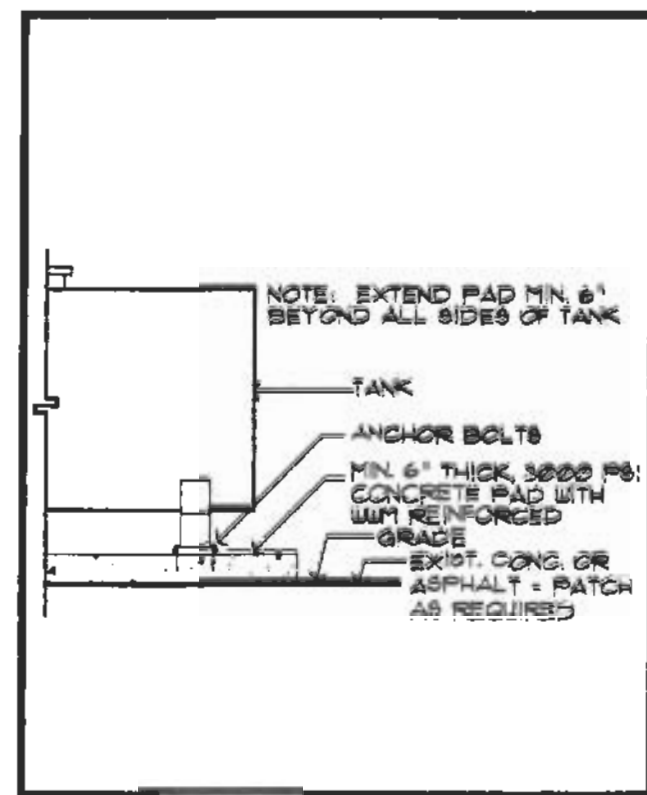
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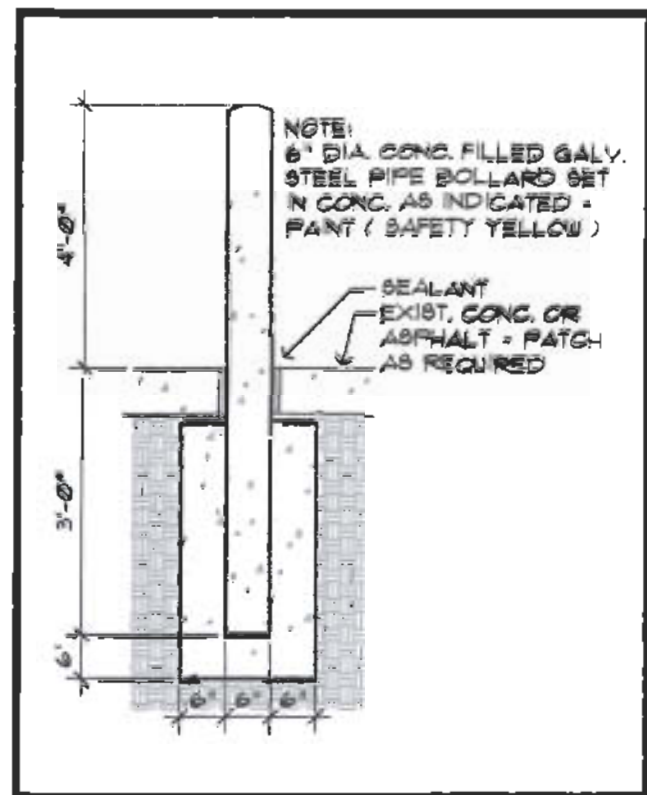




1 SCHEMATIC DIAGRAM OF COMPONENTS  
A-2.0 SCALE: N.T.S.



3 CONCRETE PAD DETAIL  
A-2.0 SCALE: N.T.S.



2 BOLLARD DETAIL  
A-2.0 SCALE: N.T.S.



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DATE: 7/1/00  
DRAWN BY: BKT  
CHECKED BY: BKT  
DESIGNED BY: BKT  
PROJECT: CONCRETE REPAIRS  
SHEET: A-2.0

ALL FIELD DISTRIBUTION SYSTEM AT CENTRAL FLIGHT MAINTENANCE IN IN CONG. AREA TAMPA, FLORIDA

DPW FILE NUMBER

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PW 7600

DATE  
JULY 2000

DRAWN BY  
BKT

REVISIONS

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SCALE: N.T.S.

SCALE: N.T.S.

SHEET NAME  
DETAILS

SHEET NUMBER

A-2.0

1 OF 1