

The School Board of Miami-Dade County, Florida
SCHOOL BOARD ADMINISTRATION BUILDING
Procurement Management
1450 N.E. 2nd Avenue, Room 352
Miami, Fl. 33132

Direct All Inquiries To
Procurement Management -
Barbara D. Jones, CPPB, Director
PHONE: (305) 995-2348
TDD PHONE: (305) 995-2400

BID/RFP ADDENDUM

Date: March 15, 2006
Addendum No. 4

BID/RFP TITLE: 122-EE10 – BUS WASH FACILITIES

This addendum modifies the conditions of the above referenced Request For Proposals as follows, resulting from the pre-proposal conference:

1. Changes Proposal opening date from February 14, 2006 to March 30, 2006.
3. Revises page 3 and 4 (Section V – G and Section VI – D and E)
4. Revises implementation schedule (Page 5 Section XIII)
5. Schematics for each proposed site attached.
6. Deadline for questions is Friday March 17, 2006.

If your bid/proposal has not been mailed, substitute the pages marked REVISED and mail your entire bid/proposal package. **REMEMBER TO SIGN THE BIDDER QUALIFICATION FORM.**

If your bid/proposal has been mailed, sign and return this addendum form with the revised pages by the time and date indicated on the Bidder Qualification Form. BY SIGNING THIS ADDENDUM, THE VENDOR AGREES TO THE TERMS AND CONDITIONS CONTAINED IN THE BIDDER QUALIFICATION FORM AND ALL RELATED BID DOCUMENTS.

PLEASE NOTE: If your firm has mailed a copy of this bid/proposal to another vendor, it is your responsibility to forward them a copy of this addendum.

(PLEASE TYPE OR PRINT BELOW)

LEGAL NAME OF BIDDER: _____

MAILING ADDRESS

CITY, STATE ZIP CODE

TELEPHONE NUMBER: _____ E-MAIL I.D. _____ FAX

BY: SIGNATURE (Manual): _____

OF AUTHORIZED
REPRESENTATIVE _____

NAME (Typed): _____ TITLE: _____

OF AUTHORIZED REPRESENTATIVE

Proposers are required to submit a base price, plus retrofitting for each of the three locations listed under this proposal. The base price listed will be used as the basis for any future purchases, plus retrofitting, if required. At years 3, 4, and 5 of the contract, a price adjustment to the base price will be considered, based upon documented manufacturer's price increases or on applicable consumer price indexes.

V. REQUIRED INFORMATION TO BE SUBMITTED BY PROPOSER

- A. Proposer must provide a conceptual drawing showing the new equipment and any modifications of the existing site along with a description of the wash process.
- B. Proposer must be factory authorized distributor of system to be installed. Official dealer documentation must be submitted with proposal.
- C. Proposer must submit a sample of their service contract. Service contract shall be for a two (2) year period from date of completion and shall be renewable, upon mutual agreement annually thereafter. Contract must include the following:
 - 1. Routine maintenance on a monthly, hourly or per wash basis.
 - 2. Parts, Labor and cleaners.
 - 3. Bi-annual wastewater analysis for FOG, TSS, TDS, and pH.
 - 4. Service Monday through Saturday.
 - 5. Service within 24-hour notice.

Wash chemicals shall be included as an additional cost to the maintenance contract based on a minimum of 1,500 units per month, with an additional charge for additional units to 2,500 and an additional charge for additional units to 3,000.

- D. List of proposer's current customers of comparable size, who can be used by M-DCPS as a source of reference. **(Attachment A)**
- E. The signature of the authorized person empowered to submit this proposal.
- F. Vendor Information Sheet. **(Attachment B)**
- G. Cost Proposal must include any proposed payment schedule. Proposers are required to submit a base price, plus retrofitting for each of the three locations listed under this proposal. The base price listed will be used as the basis for any future purchases, plus retrofitting, if

required. Cost Proposal must include cost for any for additional power requirements.

H. Timeline for project from preparation to completion.

VI. TECHNICAL REQUIREMENTS

- A. The Proposed wash process shall be a single step wash consisting of alkaline detergents mixed with reclaimed water and/or a blend of city water used to wash the vehicle. The vehicle shall be washed on all surfaces, which includes the sides, front, rear, roof, and tires, along with the undercarriage, which must be cleaned utilizing a high-pressure system. This process can be used as a stand alone or on a pre-programmed basis. The system shall utilize brushes or high-pressure spinners or jets (touch less) to remove soil, debris, oil and grease.
- B. The Proposed truck/bus wash system shall be of automatic gantry-style or drive-thru and shall be capable of automatically cleaning up to 15–20 buses and/or other type of vehicles per hour. It shall be capable of washing vehicles up to 45 feet long, up to 14 feet high, and up to 10 feet wide. The track width shall ensure a very wide, comfortable drive-through clearance.
- C. The Proposed truck/bus wash system must be able to adjust to the various configurations of the vehicle by an ultra sonic vehicle mapping system or equal. The system shall automatically wash/rinse a vehicle during the cycles after the unit is actuated, and is to be controlled by a programmable logic controller (PLC).
- D. Passive system (no user intervention) is to be used to actuate the wash process as well as record and store the unique identifiable information of the vehicle being washed and the time the wash occurs. A security system should be incorporated that alerts operators to faults or failures in the wash system.
- E. All electrical connections and components shall supply with requirements of the National Electric Code and be accepted by Underwriters Laboratories. Additional power costs must be included in cost proposal.
- F. The reclamation system shall incorporate adequate technologies to reclaim enough water to continually wash buses on demand. A comprehensive wastewater, waste and environmental management program must be included in the conceptual plan, detailing the

water treatment process, as well as, waste disposal and maintenance and operational functions.

- G. All sewer discharge must meet the Miami-Dade County sewer discharge standards. **ATTACHMENT C.**

XIII. IMPLEMENTATION SCHEDULE

The planned schedule for implementation of this Request For Proposals, is as follows:

Procurement Contract Review Committee	June 16, 2005
Mailing of Request For Proposals	December 19, 2005
Pre-Bid Conference.....	January 5, 2006
Opening of Proposals.....	March 30, 2006
Evaluation of Proposals	April 10, 2006
Oral Presentations	April 18, 2006
Recommendation for Award.....	May 10, 2006

XII. ADDITIONAL INFORMATION

Any additional information regarding proposal procedures may be obtained from:

Ms. Barbara D. Jones, Director
Division of Procurement Management Services
1450 N.E. Second Avenue, Room 356
Miami, Florida 33132
(305) 995-2348
bjones@dadeschools.net

MIAMI-DADE COUNTY PUBLIC SCHOOLS JOHN H. SCHEE TRANSPORTATION CENTER 12525 N.W. 28TH AVENUE, MIAMI, FLORIDA 33167

PROJECT NO. A-0592B PHASE II / III - 100% SUBMITTAL

THE SCHOOL BOARD OF DADE COUNTY, FLORIDA

DR. SOLOMON C. STINSON, CHAIR
DR. MICHAEL KROP, VICE-CHAIR
MR. G. HOLMES BRADDOCK, CHAIRPERSON
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MRS. MANTY SABATES MORSE
MR. DEMETRIO PEREZ, JR., MS.
DR. MARTA PEREZ
MR. ROGER C. CUEVAS,
SUPERINTENDENT OF SCHOOLS

PROJECT ARCHITECT / ENGINEERS:



ARCHITECTURE
ENGINEERING
PLANNING
2001 N.W. 107th AVENUE
MIAMI, FLORIDA 33172-2807
(305) 595-2733

POST, BUCKLEY, SCHEE & JEANIGAN

CONSULTANTS
STRUCTURAL ENGINEERS
CANKAT/ESSMAN, INC.
1800 S.W. 57th AVENUE
MIAMI, FLORIDA 33156
(305) 266-9777

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MECHANICAL:

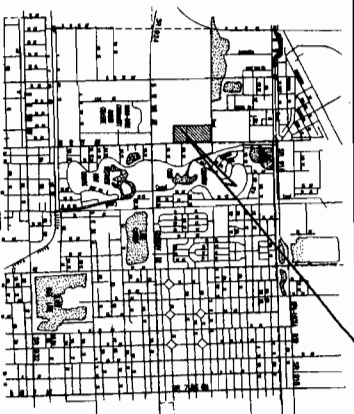
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LOCATION MAP



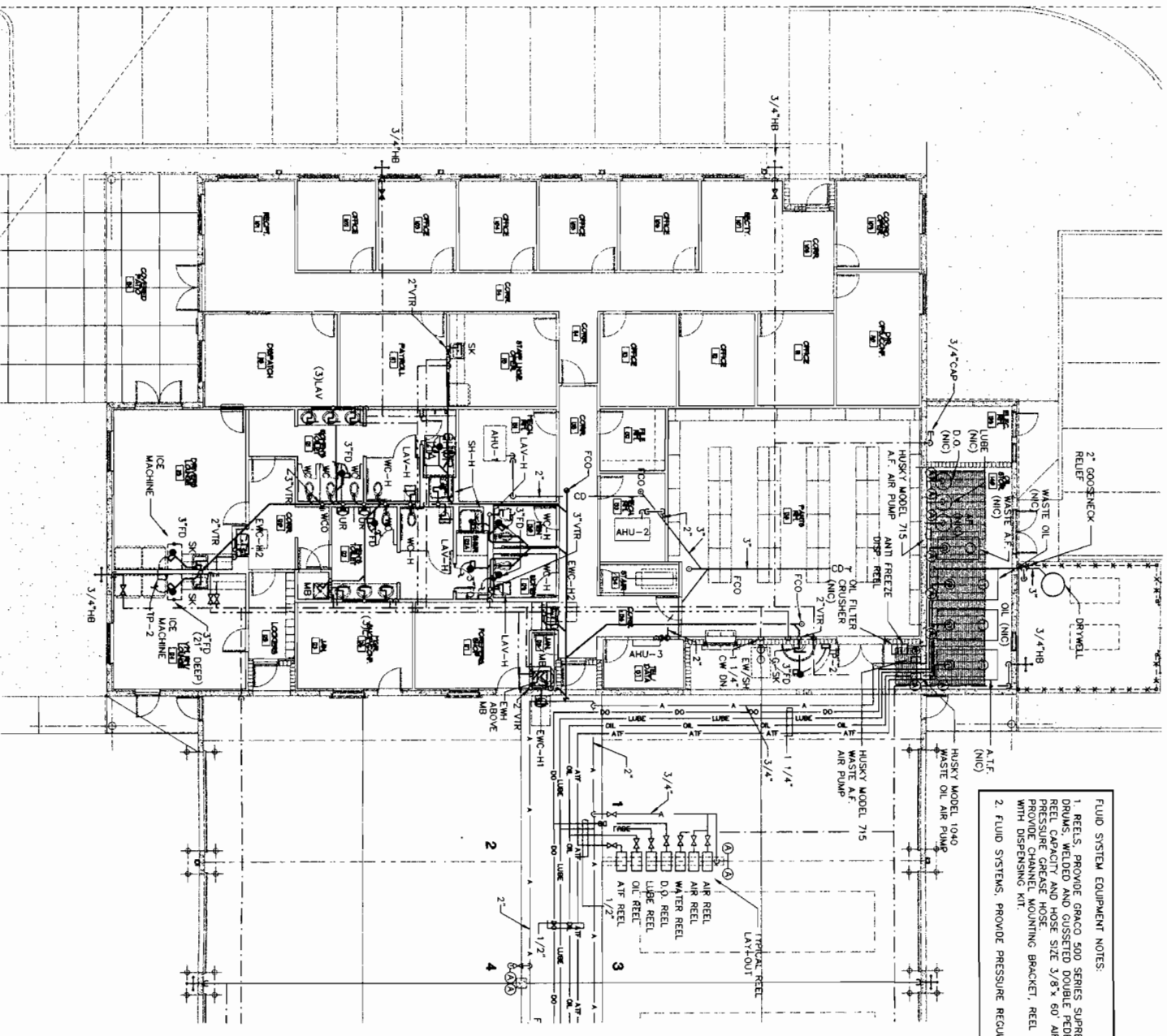
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CONVENTIONAL BID SET
01-08-01
CONSTRUCTION MANAGER & RISK BID SET
06-16-00
PHASE I / I 100% CHAIRSK BID SET
07-24-00
PHASE I / I 100% MODPS EFCO SUBMITTAL
11-30-99
PHASE I / I 100% MODPS EFCO SUBMITTAL
08-18-99
PHASE I / I 100% MODPS DES. MGMT (6/17/99)
07-18-99
PHASE I / I 100% SUBMITTAL
06-21-99
PHASE I / I PROGRESS
03-10-98
PHASE I SUBMITTAL
12-22-98



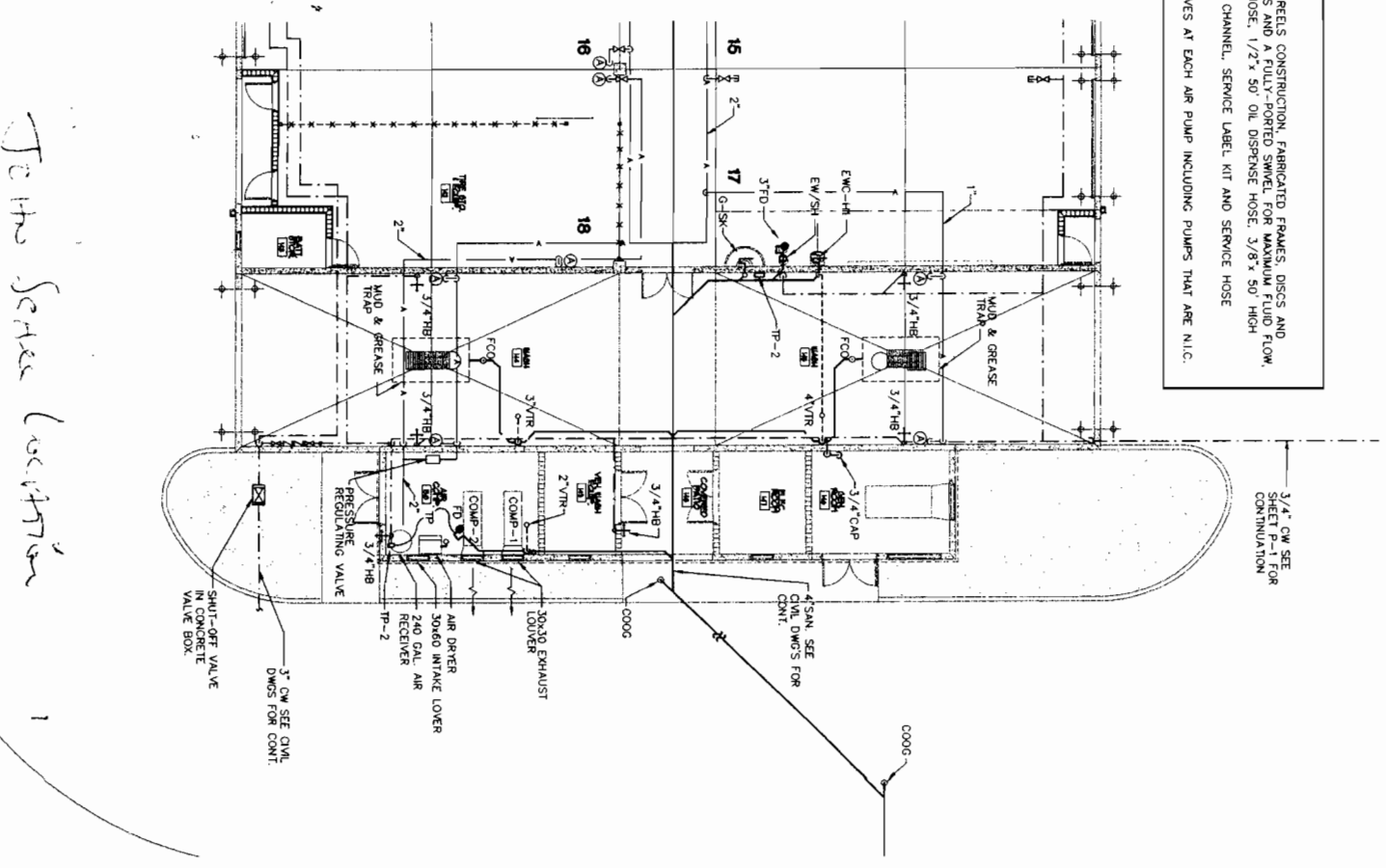
PARTIAL PLUMBING FLOOR PLAN - SECTION A
SCALE: 1/8" = 1'-0"



- FLUID SYSTEM EQUIPMENT NOTES:
1. REELS, PROVIDE GRACO 500 SERIES SUPREME DUTY REELS CONSTRUCTION, FABRICATED FRAMES, DISCS AND DRUMS, WELDED AND GUSSETED DOUBLE REDUCING ARMS AND A FULLY-PORTED SWIVEL FOR MAXIMUM FLUID FLOW, REEL CAPACITY AND HOSE SIZE 3/8" X 60' AIR/WATER HOSE, 1/2" X 50' OIL DISPENSE HOSE, 3/8" X 50' HIGH PRESSURE GREASE HOSE. REEL MOUNTING BRACKET, REEL MOUNTING CHANNEL, SERVICE LABEL KIT AND SERVICE HOSE WITH DISPENSING KIT.
 2. FLUID SYSTEMS, PROVIDE PRESSURE REGULATING VALVES AT EACH AIR PUMP INCLUDING PUMPS THAT ARE N.I.C.

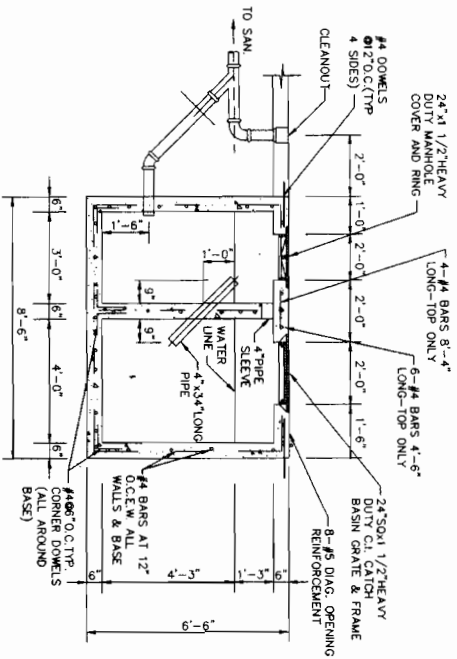
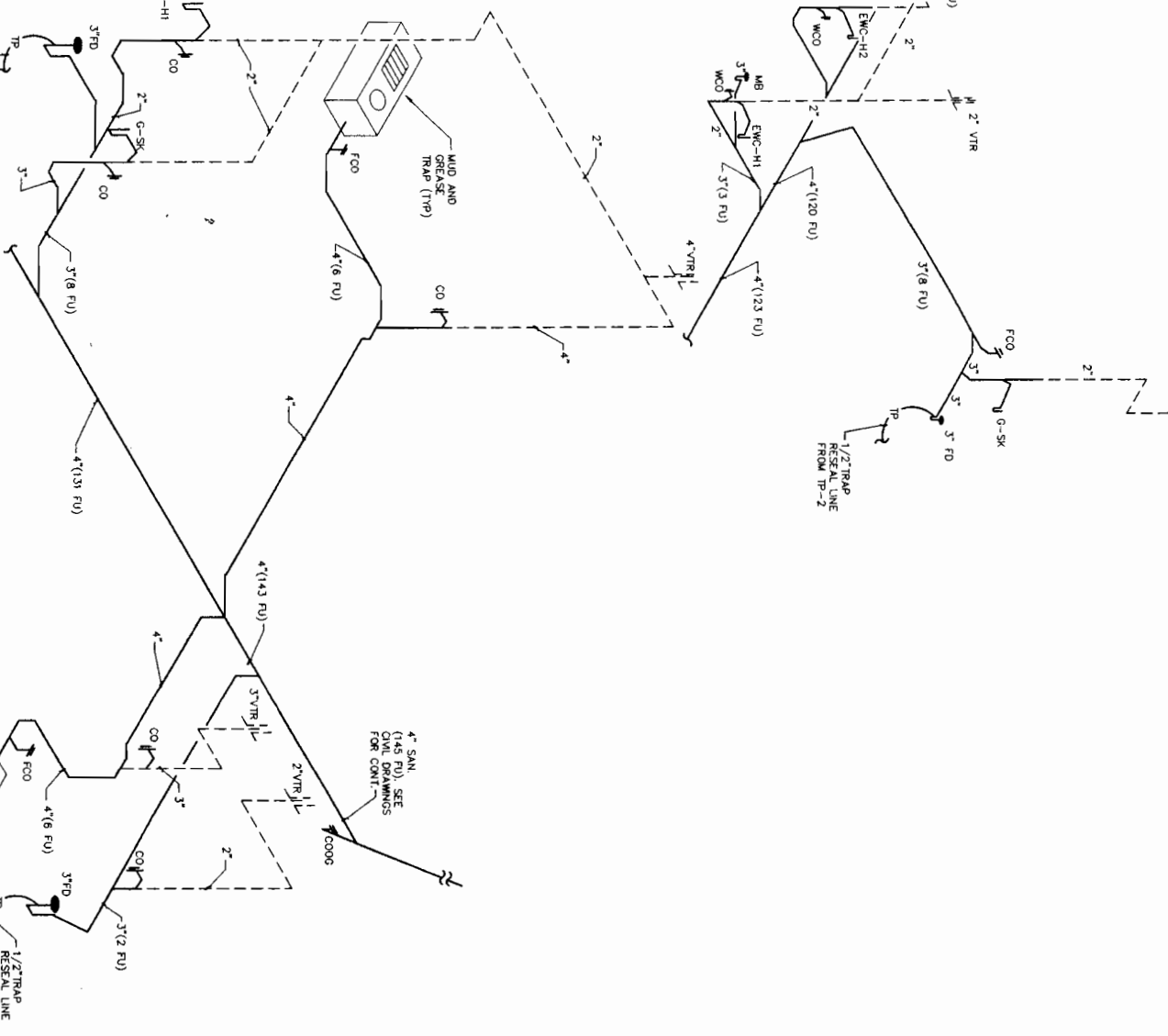
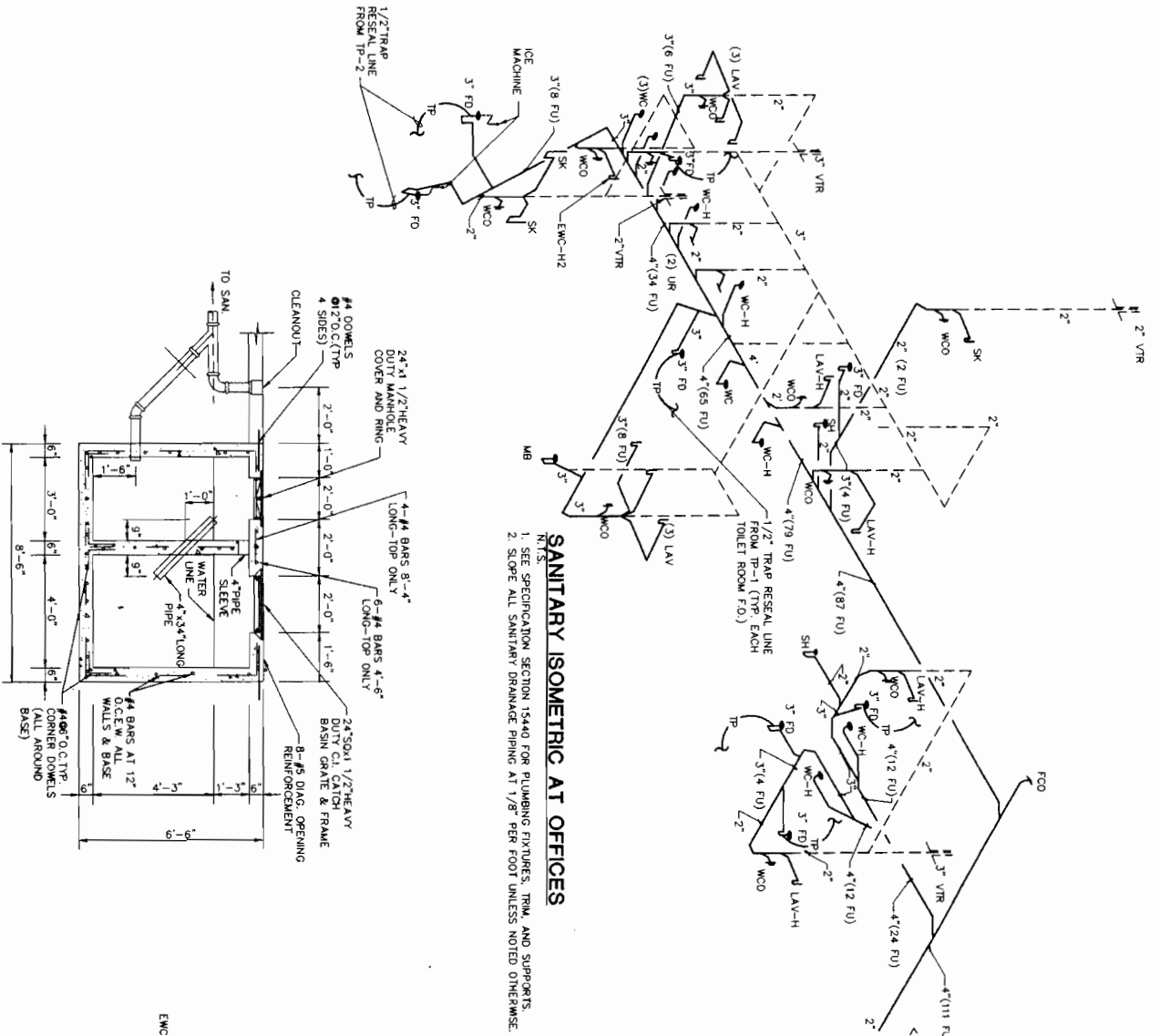


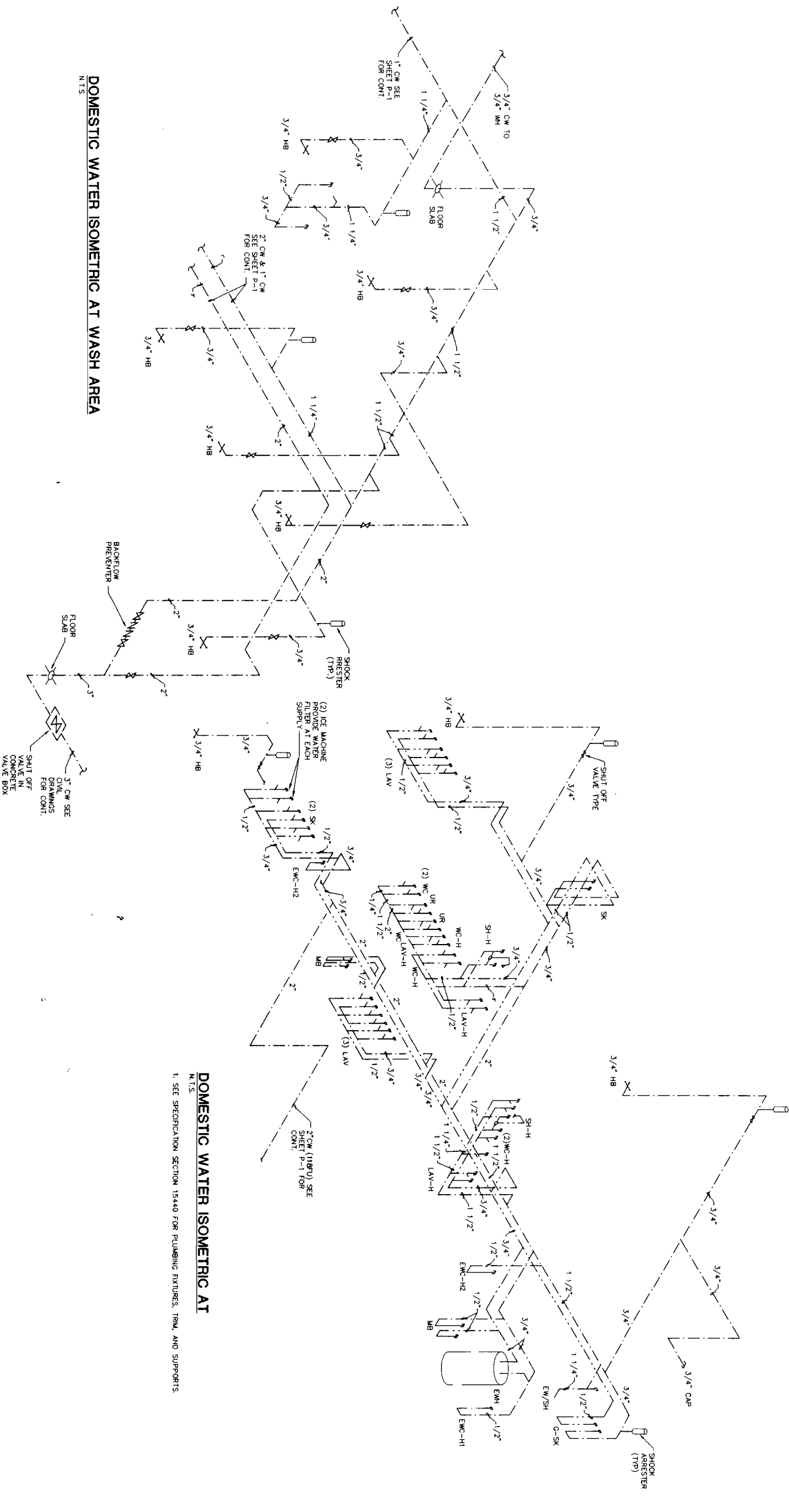
PARTIAL PLUMBING FLOOR PLAN - SECTION B
SCALE: 1/8" = 1'-0"



To the Series location

1/4\"/>



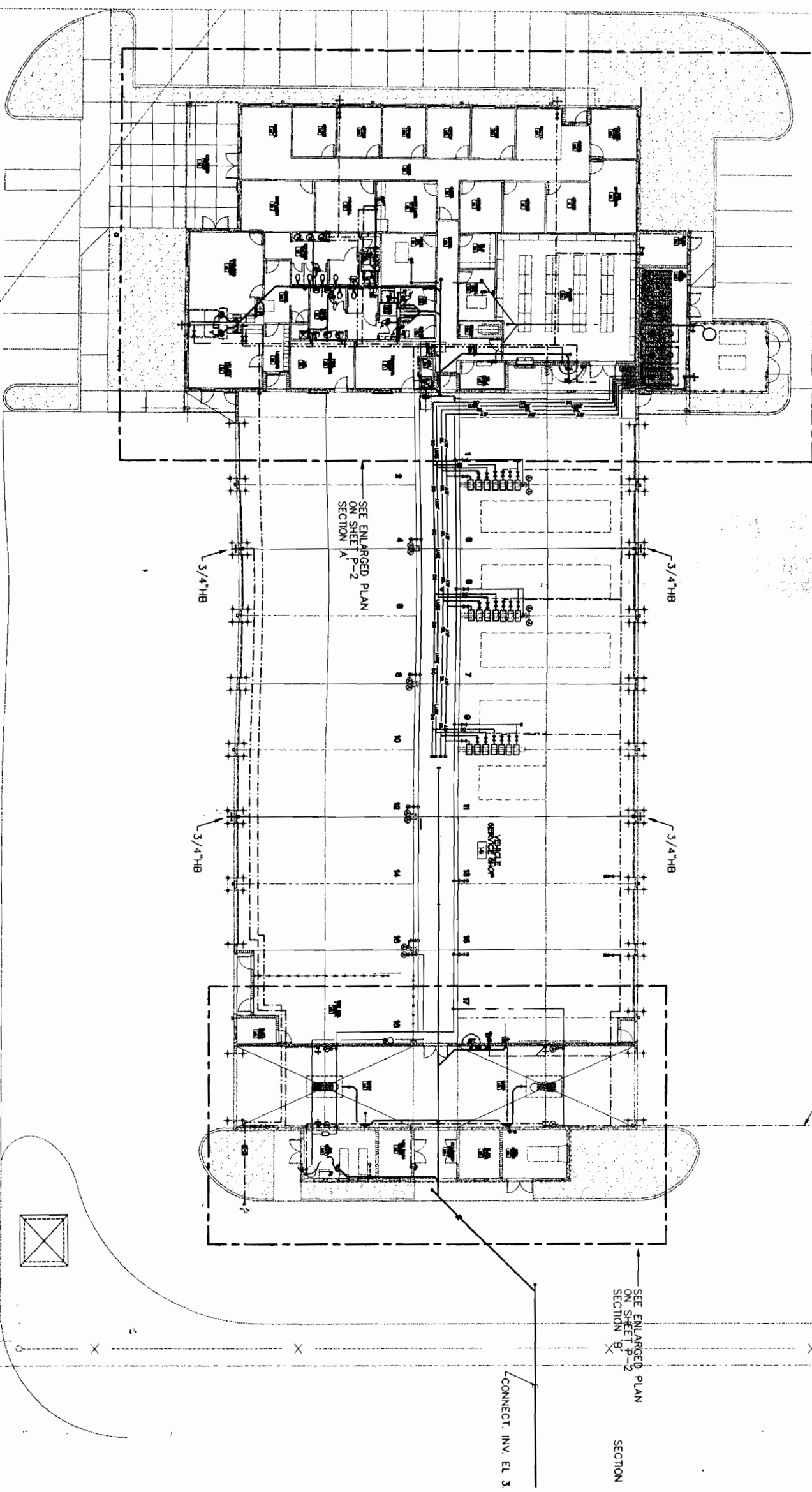


DOMESTIC WATER ISOMETRIC AT WASH AREA
N.T.S.

DOMESTIC WATER ISOMETRIC AT
N.T.S.

1. SEE SPECIFICATION SECTION 15440 FOR PLUMBING FIXTURES, TRIM, AND SUPPORTS.

MPD ARCHITECTURE ENGINEERING PLUMBING
CLIENT RALPH CALBERTY PERIODICAL NATIONAL A
PROJECT WASH AREA
TASK RALPH CALBERTY PERIODICAL
ORIGINAL 01-08-01 **DATE** **CAD FILENAME:**
REVISIONS: 6 **JOB NO.** 01-004640
 7 **DRAWN** PBR
 8 **RECHECKED** PBR



PLUMBING FLOOR PLAN

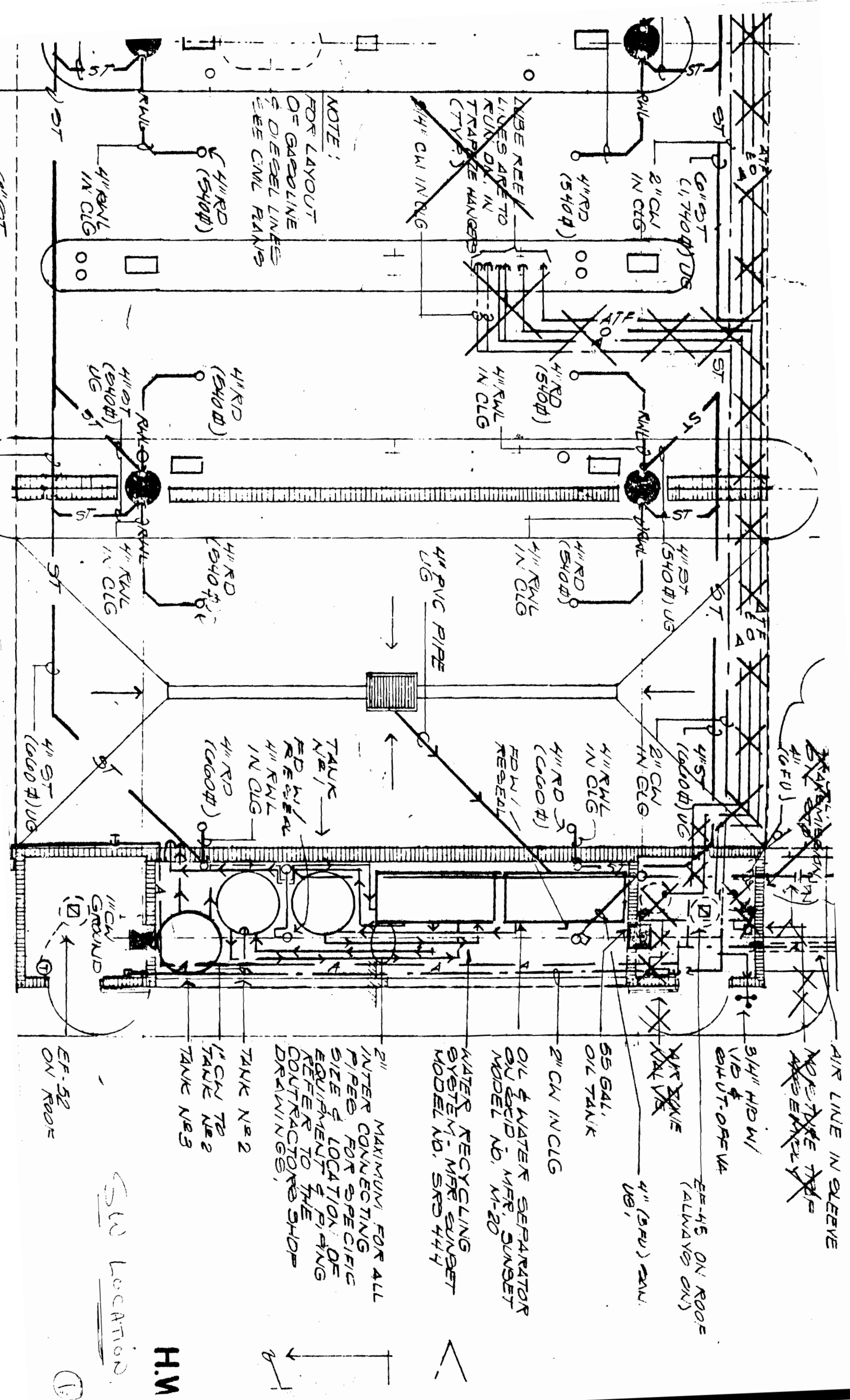
SCALE: 1/8" = 1'-0"

SEE ENLARGED PLAN
ON SHEET P-2
SECTION A

SEE ENLARGED PLAN
ON SHEET P-2
SECTION B

CONNECT INV. EL. 3

SECTION



NOTE:
FOR LAYOUT
OF GASOLINE
& DIESEL LINES
SEE CIVIL PLANS

~~WIRE REE
LINES ARE TO
RUN ON IN
TRAP/VE HANGERS~~

~~TRAP/VE HANGERS
4\"/>~~

~~AIR LINE IN SLEEVE
NOT TO BE TRAP
W/RESEAL~~

EF-45 ON ROOF
(ALWAYS ON)

~~W/RESEAL~~

55 GAL.
OIL TANK

2\"/>

OIL & WATER SEPARATOR
OIL ACID. MFR, SUNSET
MODEL NO. M-20

WATER RECYCLING
SYSTEM - MFR SUNSET
MODEL NO. SRD 444

2\"/>

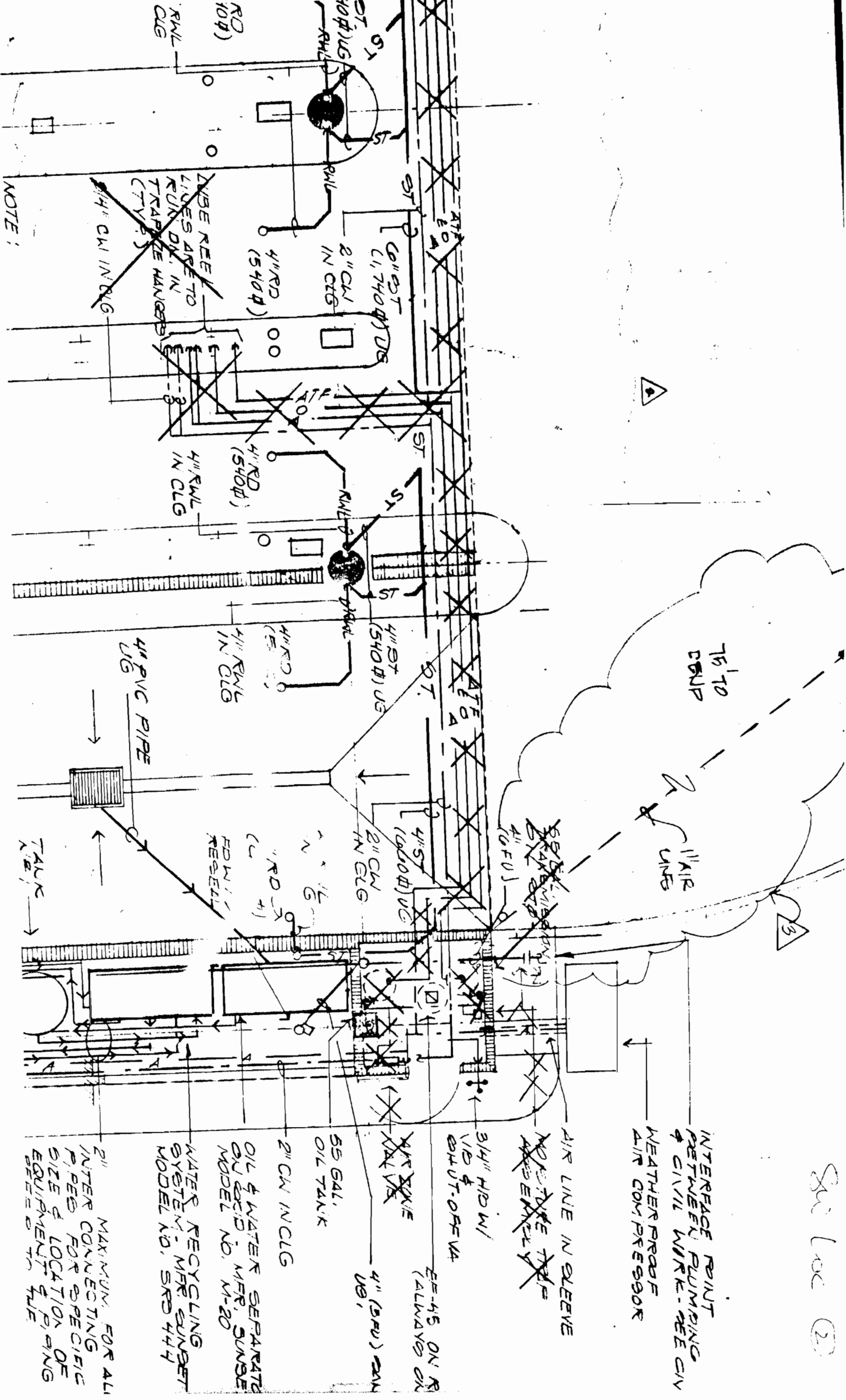
TANK N#2
1\"/>

EF-52
ON ROOF

SEE LOCATION

H.M

①



NOTE:

~~PIPE REE TUBES ARE TO RUN DN. IN TRAFFIC MANGERS (TYERS)~~

~~4\"/>~~

~~4\"/>~~

~~4\"/>~~

~~4\"/>~~

~~4\"/>~~

~~4\"/>~~

2\"/>

MAXIMUM FOR ALL INTERCONNECTING PIPES FOR SPECIFIC SIZE & LOCATION OF EQUIPMENT & PIPE

55 GAL. OIL TANK

2\"/>

OIL & WATER SEPARATE OIL BOWL - MFR. SUNSE MODEL NO. M-20

WATER RECYCLING SYSTEM - MFR. SUNSET MODEL NO. SRD 444

~~WATER RECYCLING SYSTEM - MFR. SUNSET MODEL NO. SRD 444~~

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~~WATER RECYCLING SYSTEM - MFR. SUNSET MODEL NO. SRD 444~~

INTERFACE POINT BETWEEN PLUMBING & CIVIL WORK - SEE CIV

WEATHER PROOF AIR COMPRESSOR

AIR LINE IN GLEEVE

~~WATER RECYCLING SYSTEM - MFR. SUNSET MODEL NO. SRD 444~~

~~WATER RECYCLING SYSTEM - MFR. SUNSET MODEL NO. SRD 444~~

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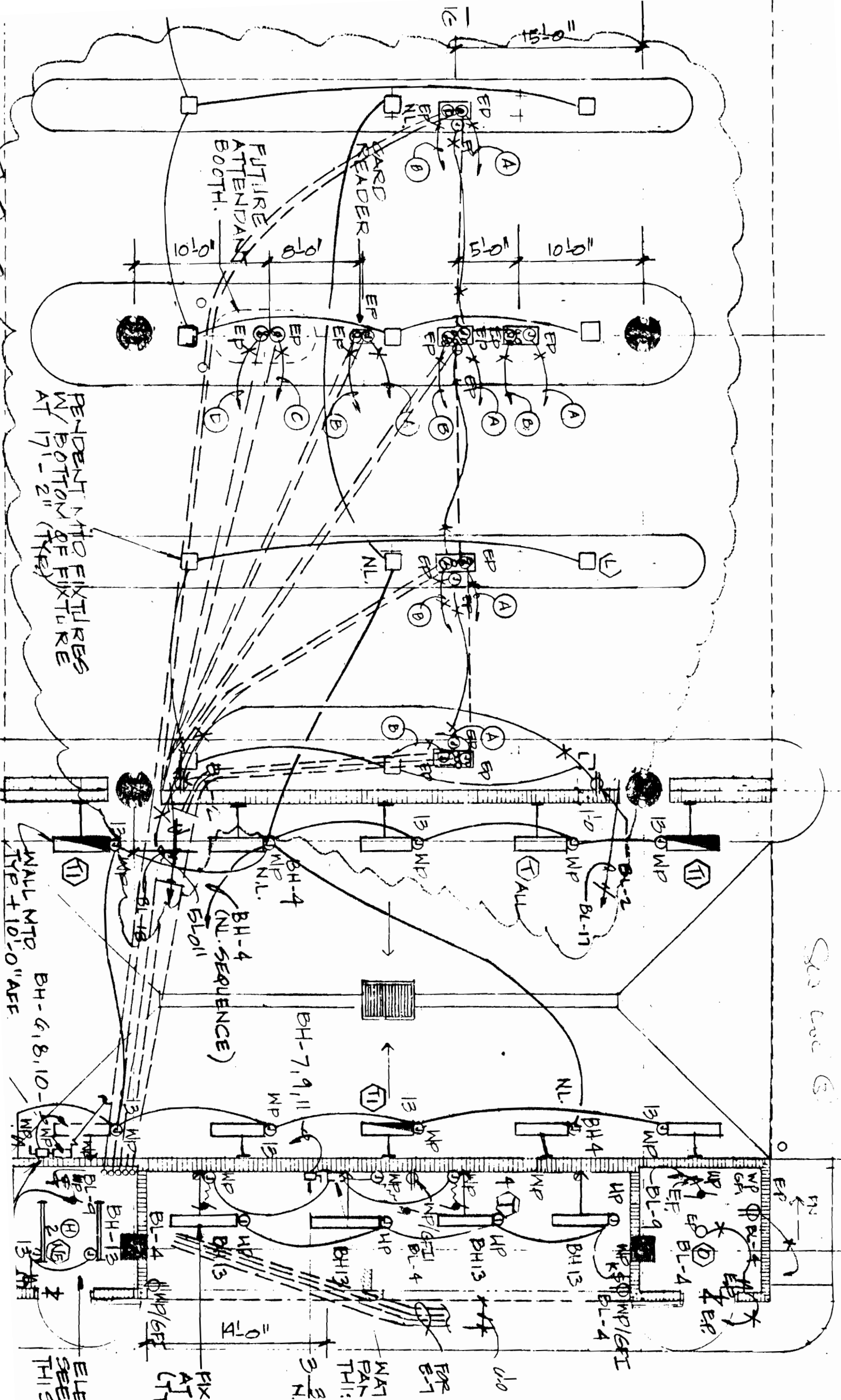
~~WATER RECYCLING SYSTEM - MFR. SUNSET MODEL NO. SRD 444~~

~~WATER RECYCLING SYSTEM - MFR. SUNSET MODEL NO. SRD 444~~

~~WATER RECYCLING SYSTEM - MFR. SUNSET MODEL NO. SRD 444~~

~~WATER RECYCLING SYSTEM - MFR. SUNSET MODEL NO. SRD 444~~

~~WATER RECYCLING SYSTEM - MFR. SUNSET MODEL NO. SRD 444~~



FUTURE
ATTENDANT
BOOTH.

WARD
READER

PENDENT AND FIXTURES
W/ BOTTOM OF FIXTURE
AT 17'-2" (TKE)

WALL MTD.
TYP + 10'-0" AFF
BH-6, 8, 10-

BH-4
MP N.L.
BH-4
(N.L. SEQUENCE)
SLOTT

BH-7, 9, 11
MP D/13

See loc 5

ELE
SEE
THIS

FIX
AT
CT

3'-N

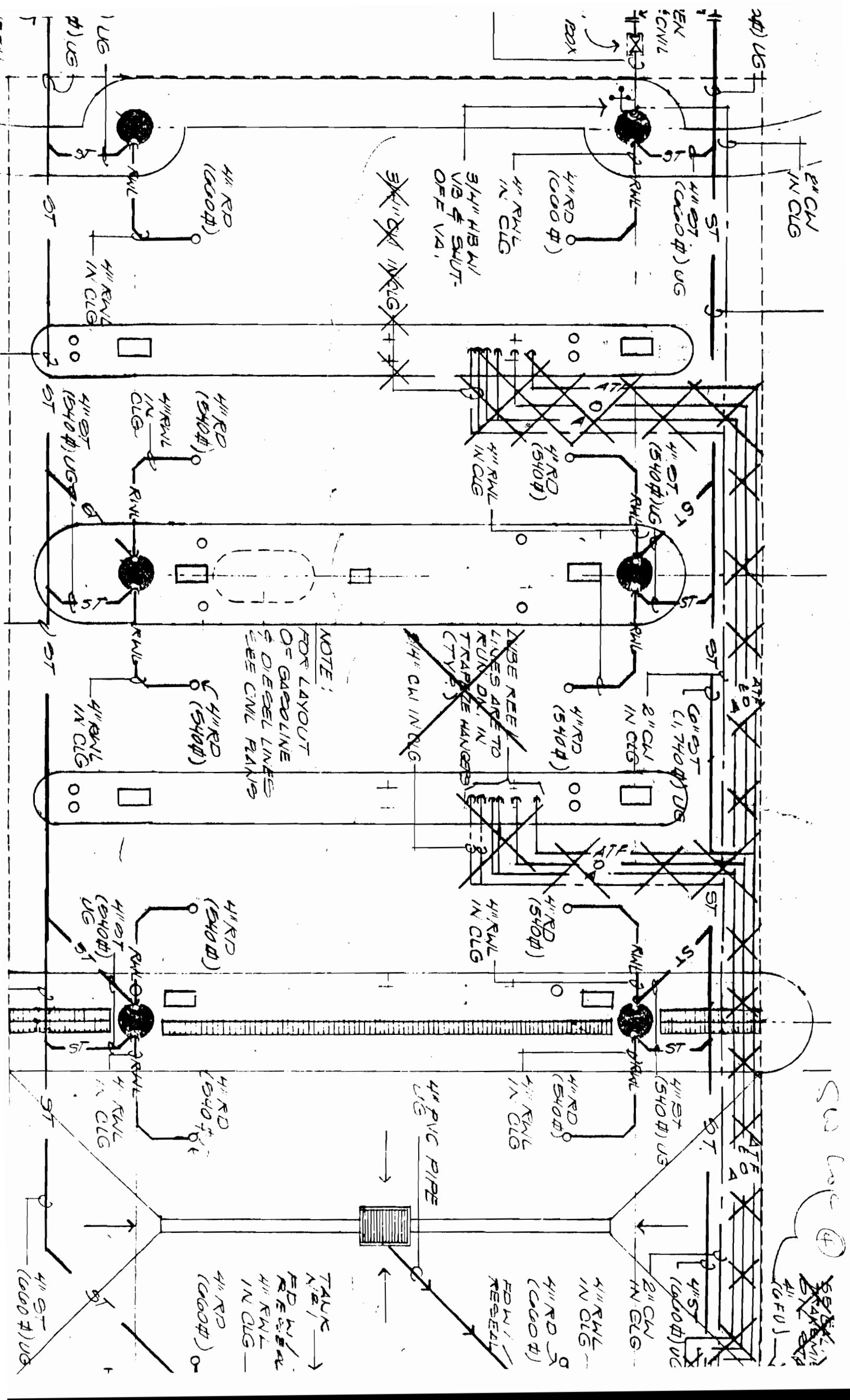
FOR
E-7

do

MAT
PAN
THI:

HP
MP/GR/ETI
BL-4

EP
GR
BL-4



See page 4
 58/81/82
 5/1/81
 4\"/>

~~3\"/>~~

PIPE REEL
 LINES ARE TO
 RUN DIR. IN
 TRAP HANGERS
 (TYPE)
 4\"/>

NOTE:
 FOR LAYOUT
 OF GASOLINE
 & DIESEL LINES
 SEE CIVIL PLANS

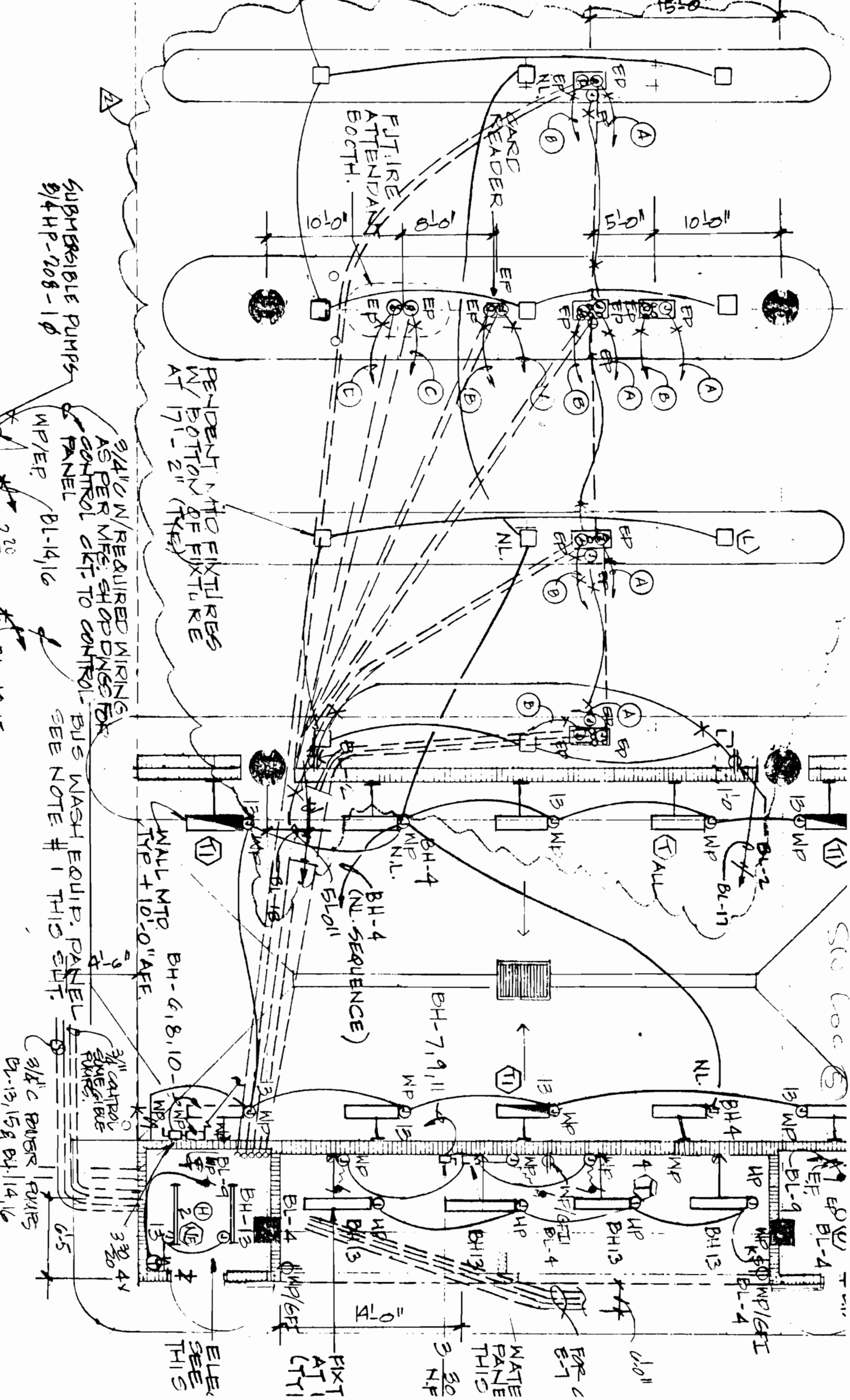
TANK →
 RED LINE
 4\"/>

EDM1
 REFEED
 4\"/>

4\"/>

4\"/>

4\"/>



SUBMERSIBLE PUMPS
8/4HP-208-1Ø

PENDENT AND FIXTURES
W/ BOTTOM OF FIXTURE
AT 17'-2" (TYP)

3/4" W/ REQUIRED WIRING
AS PER MFG. SHOP DRAWINGS
FOR CONTROL SKT. TO CONTROL
PANEL BL-14, 16
MP/EP

BUS WASH EQUIP. PANEL
SEE NOTE # 1 THIS SHT.

3/4" CONTROL
WIRING
3/4" C POWER WIRES
BL-13, 15 & BL-14, 16

SEE THIS

FIXT
ATTN
CTY1

MATE
PANE
THIS

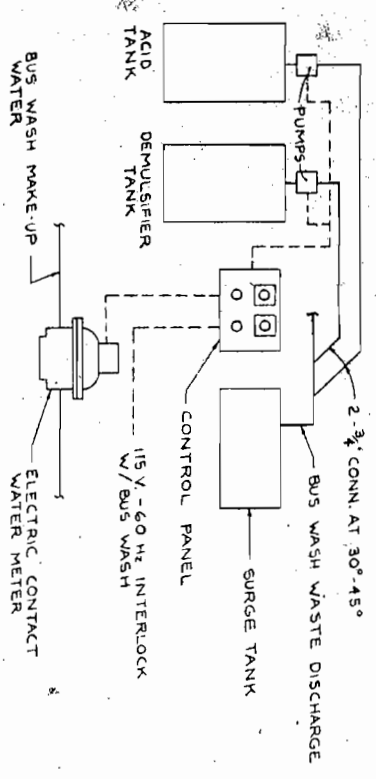
FOR C
E-7

Sto Loc 5

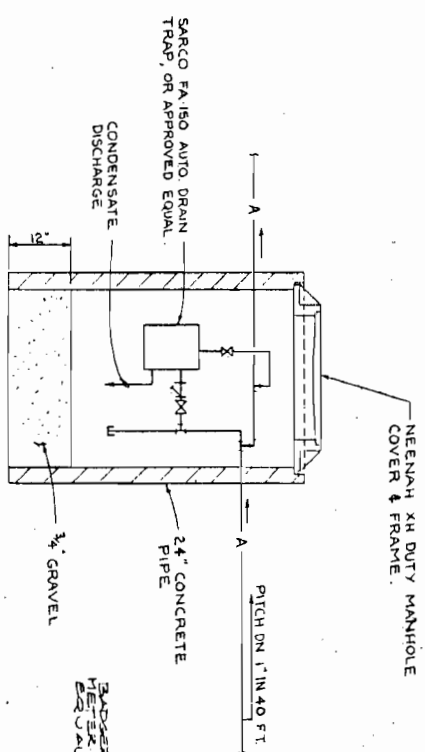
REF. EP W/ TYP
BL-4

MP/EP
BL-4

GROUND FLOOR PLAN
1/8" = 1'-0"

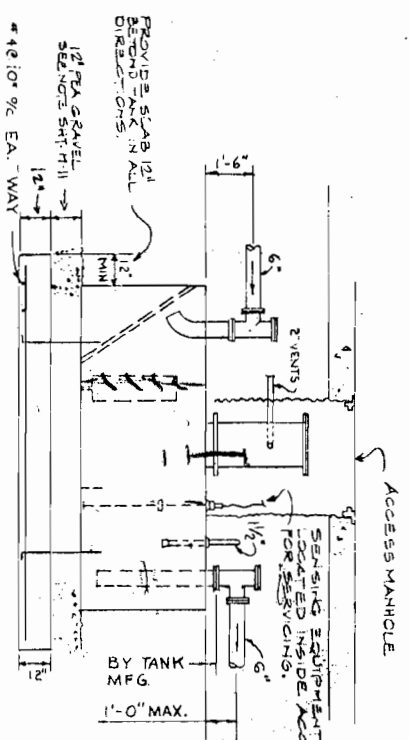


ACID INJECTION SCHEMATIC

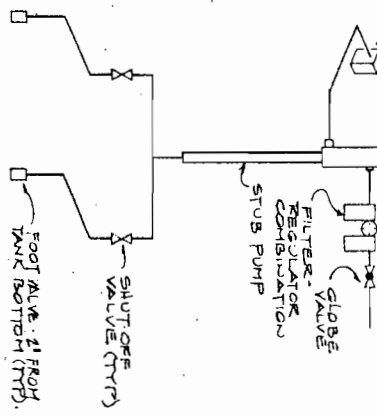


DETAIL 1 M-S
COMPRESSED AIR DRAIN ASSEMBLY

OIL/WATER SEPARATOR DETAIL

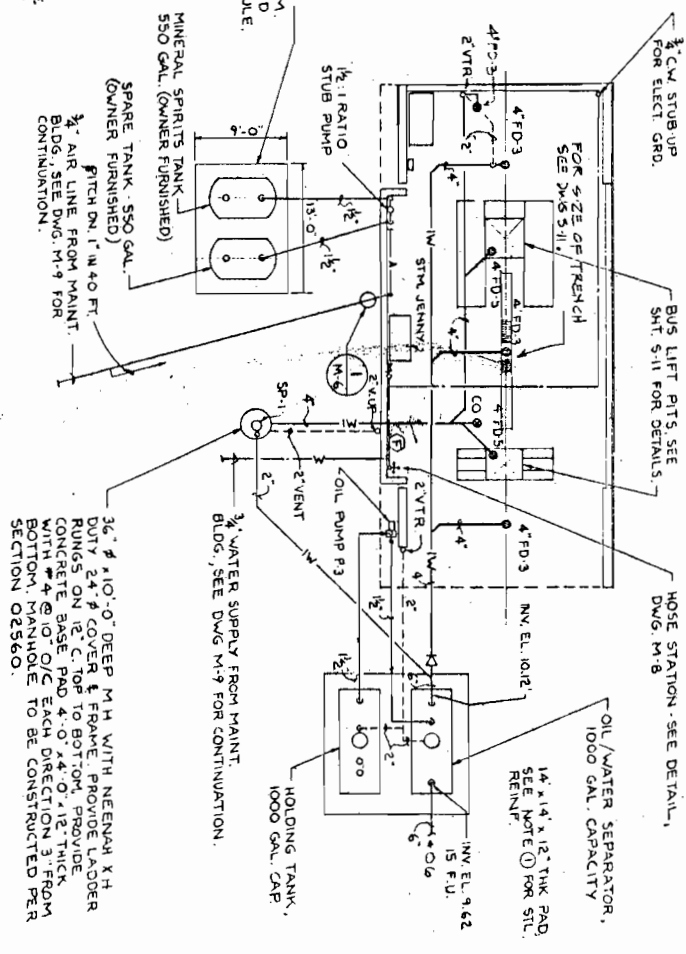


STUB PUMP DETAIL
(FOR MINERAL SPIRITS)



NOTE 1
PAD 1/2" THICK, REINFORCING #4 @ 10" O/C EA WAY 3' FROM BOTTOM. PROVIDE ANCHOR BOLTS FOR HOLD DOWN STRAPS PER TANK SCHEDULE.

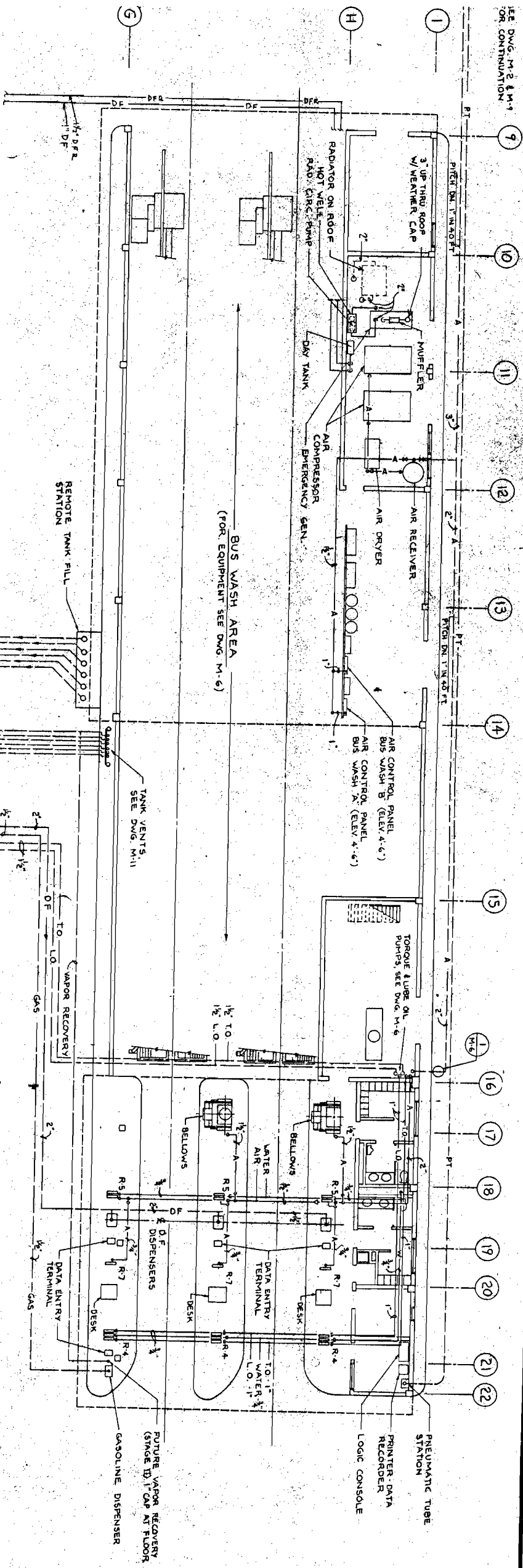
STEAM CLEANING BUILDING - PLAN
1/8" = 1'-0"



- NOTES:
- 1 THESE ITEMS ARE PART OF THE BUS WASH EQUIPMENT. SEE SPECIFICATIONS.
 - 2 INTERSPACE FOR WHEEL RINSE HIGH PRESSURE PUMPS. PROVIDE WATER SUPPLY WITH GATE VALVES 2'-0" ABOVE FLOOR.
 - 3 INTERSPACE FOR FRESH WATER BOOSTER PUMP. PROVIDE WATER SUPPLY WITH GATE VALVE 1'-3" ABOVE FLOOR.
 - 4 PROVIDE WATER SUPPLY TO PRE-MIX TANK. TERMINATE WITH GATE VALVE & VACUUM BREAKER 4'-0" ABOVE FLOOR.

NE LOCATION 5901 NW 27 Ave.

SEE DWG. M-2 & M-4 FOR CONTINUATION



BUS WASH AREA
(FOR EQUIPMENT SEE DWG. M-6)

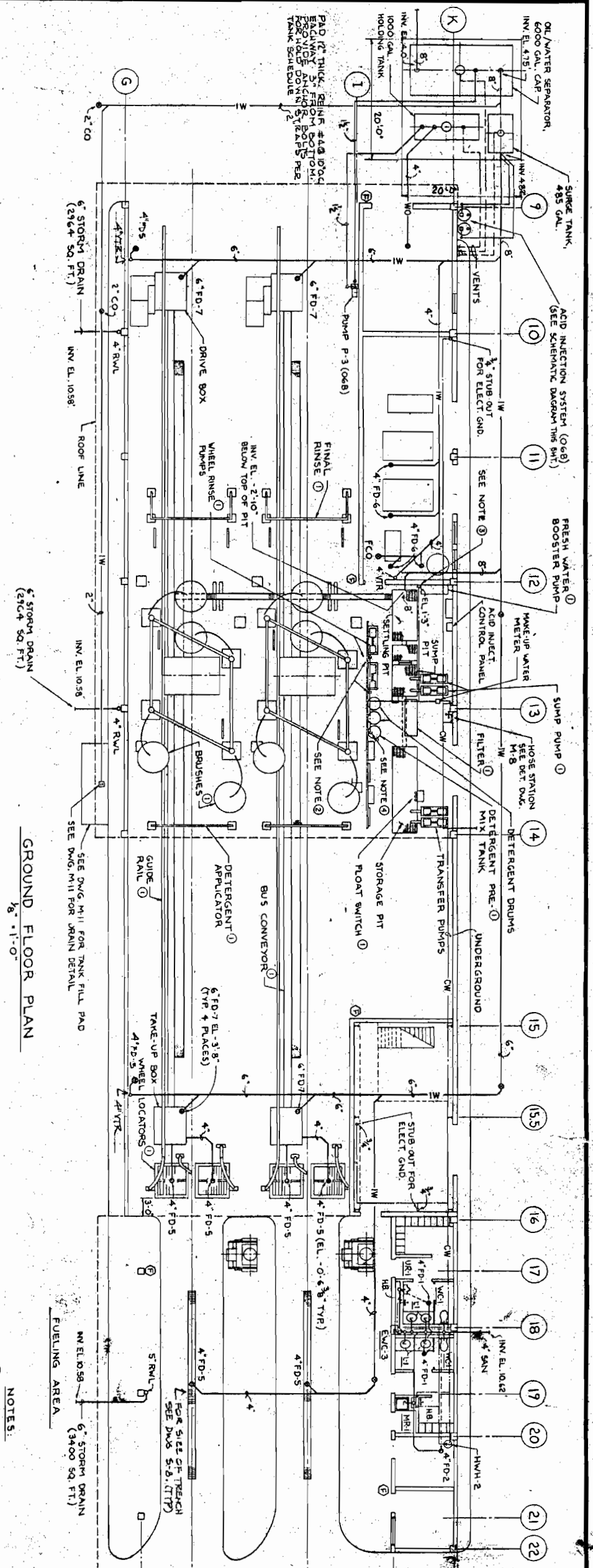
FUEL AND WASH BUILDING
1/8" = 1'-0"

FOR PIPING CONTINUATION TO TANK FARM, SEE DWG. M-11.

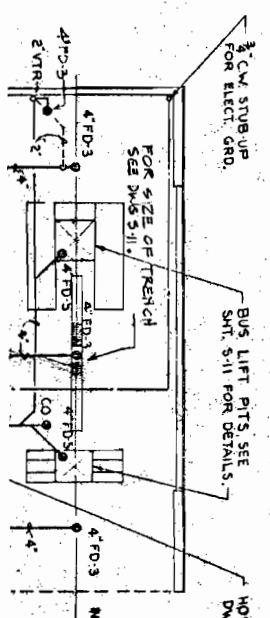
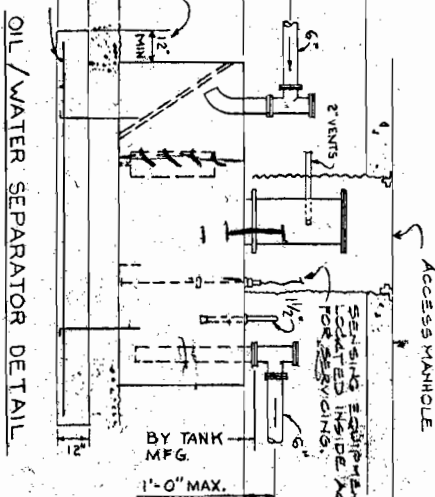
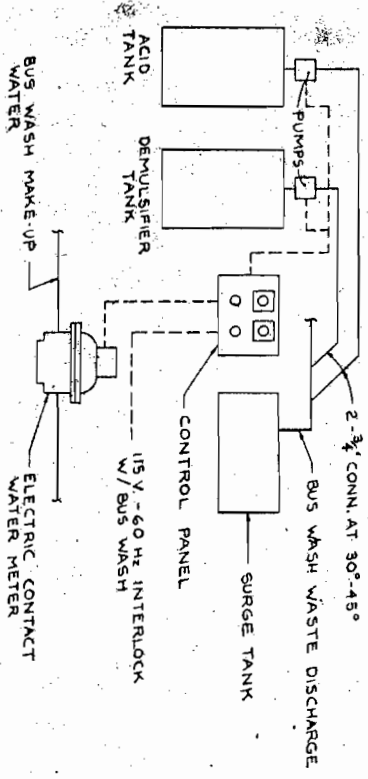


NE LOCATION

G



GROUND FLOOR PLAN
1/8" = 1'-0"



- NOTES:
- 1 THESE ITEMS ARE PART OF BUS WASH EQUIPMENT SEE:
 - 2 INTERFACE FOR WHEEL RINSE: PROVIDE 1 WATER SUPPLY WITH ABOVE FLOOR.
 - 3 INTERFACE FOR FRESH WATER: PROVIDE 3 WATER SUPPLY WITH ABOVE FLOOR.
 - 4 PROVIDE 1/2" WATER SUPPLY TO PRE- WITH GATE VALVE & VACUUM BREAK

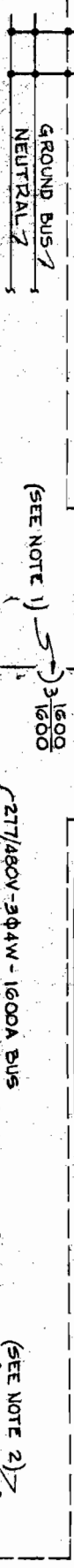
NE 3

F.P. & L. Co. VAULT

BUS STUB TERMINATION IN VAULT AS PER F.P. & L. CO. STANDARDS

#3/0-1" C. TO 3/4" x 10 FT. LONG COPPER CLAD GROUND ROD

GROUND BUS 1
#3/0-1" C. TO COLD WATER PIPE



TO PANEL "DMH" (MAINTENANCE BLDG.)

TO PANEL "DTH" (TRANSPORTATION BLDG.)

TO PANEL "SH" (STEAM CLEANING BLDG.)

TO PANEL "WH" (BUS WASH AREA)

SPACE

AIR COMP. NO. 1 75 HP, 480V, 3Φ

SEQUENCE CONTROLLER

AIR COMP. NO. 2 75 HP, 480V, 3Φ

BUS WASHER CONTROL PANEL NO. 1 63.0 FLA, 480V, 3Φ

BUS WASHER CONTROL PANEL NO. 2 63.0 FLA, 480V, 3Φ

WATER RECLAMATION SYSTEM CONTROL PNL. 142.0 FLA, 480V, 3Φ

BUS CLEANING SYSTEM CONTROL PANEL 142.4 FLA, 480V, 3Φ

MAIN DISTRIBUTION SWITCHBOARD

- NOTE 9:
- 1- MAIN BREAKER SHALL BE INSULATED CASE, SOLID STATE, 100% RATED, 65000A I.C. @480V WITH INTEGRAL GROUND FAULT PROTECTION, G.E. TYPE TFS5 OR APPROVED EQUAL
 - 2- BRANCH BREAKERS SHALL BE MOLDED CASE, WITH MINIMUM 22,000A I.C. @480V.

EMERGENCY GENERATOR 60 KW @ 0.8 P.F., 277/480V-3Φ, ONAN SERIES DVA OR APPROVED EQUAL

AUTO TRANSFER SWITCH, OT 100A, 3 POLE, ONAN SERIES, OT OR APPROVED EQUAL

MAIN DISTRIBUTION - ONE LINE DIAGRAM

NE 5

TO PANEL "EMH" (MAINTENANCE BLDG.)

F.P. & L. CO. VAULT

STANDARDS
ION IN VAULT

1600 A BUS DUCT
TO VAULT

MAIN DISTRIBUTION SWITCHBOARD

- NOTES:
- 1- MAIN BREAKER SHALL BE INSULATED CASE, SOLID STATE, 100% RATED, 65000A I.C. @480V, WITH INTEGRAL GROUND FAULT PROTECTION, G.E. TYPE TP55 OR APPROVED EQUAL
 - 2- BRANCH BREAKERS SHALL BE MOULDED CASE, WITH MINIMUM 22,000A I.C. @480V.

EMERGENCY GENERATOR
60 KW/208 P.F. #77/480V-3Φ4W,
ONAN SERIES BYA OR APPROVED
EQUAL

PANEL "ED"

MAIN DISTRIBUTION - ONE LINE DIAGRAM

TO PANEL "WH"
(BUS WASH AREA)

4-#3-1/4"

SPACE

AIR COMP. NO.1
75 HP, 480V, 3Φ

3-#10-1/2"

SEQUENCE
CONTROLLER

5-#12-3/4"

AIR COMP. NO.2
75 HP, 480V, 3Φ

3-#10-1/2"

BUS WASHER
CONTROL PANEL NO.1
63.0FLA, 480V, 3Φ

3-#3-1/4"

BUS WASHER
CONTROL PANEL NO.2
63.0FLA, 480V, 3Φ

3-#3-1/4"

WATER RECLAMATION
SYSTEM CONTROL PNL.
142.0FLA, 480V, 3Φ

3-#4/0-2"

BUS CLEANING SYSTEM
CONTROL PANEL
142.4 FLA, 480V, 3Φ

3-#4/0-2"

AUTO TRANSFER SWITCH, OT
100A, 3 POLE, ONAN SERIES,
OR APPROVED EQUAL

4-#3-1/4"

4-#3-1/4"

TO PANEL "EMH"
(MAINTENANCE BLDG.)

4-#4-1/4"

TO PANEL "ETH"
(TRANSPORTATION BLDG.)

4-#6-1"

TO PANEL "EWH"
(BUS WASH AREA)

4-#8-1"

TO PANEL "EFH"
(FUELING AREA)

4-#8-1"

EMERGENCY GEN.
RADIATOR FAN
2HP-480V-3Φ

3-#12-3/4"

EMERGENCY GEN.
CIRC. WATER PUMP
1HP-480V-3Φ

3-#12-3/4"

277/480V-3Φ4W-100A M.L.O., EQUAL TO G.E. TYPE NHB, SURF. MTD.



NE (6)