

AIR HANDLING UNIT SCHEDULE

UNIT No	CFM	TOTAL UNIT S.P.	COOLING				HEATING		GPM 42°F WTR	GPM 200°F WTR	MAX. OUTLET VEL. F.P.M.	MAX COOLING COIL FACE VEL. F.P.M.	FAN MOTOR H.P.	VOLTS PHASE CYCLE	MANUFACTURER TYPE & No
			ENT. DB	W.B. DB	LVG. DB	HE DB	ENT. DB	LVG. DB							
1	4,500	2"	77.5	64.5	54	52	67.5	—	28	28	1323	500	3	208/3φ/60	TRANE No 10 HORIZONTAL DRAW THRU W/ FLAT FILTER BOX COMBINATION HTG. & COOLING COIL
2	1,000	2"	77.5	64.5	54	52	67.5	—	6.25	6.25	970	500	3/4	208/3φ/60	TRANE No 3 HORIZONTAL DRAW THRU W/ FLAT FILTER BOX COMBINATION HTG. & COOLING COIL
3	1,400	2"	77.5	64.5	54	52	67.5	—	8.75	8.75	1365	500	1	208/3φ/60	TRANE No 3 HORIZONTAL DRAW THRU W/ FLAT FILTER BOX COMBINATION HTG. & COOLING COIL

NOTES:

1. ALL UNITS TO HAVE ADJUSTABLE MOTOR SHEAVES SELECTED IN MID RANGE OF SHEAVE.
2. ALL CHILLED WATER QUANTITIES BASED ON 12°F T.D.
3. FILTER FRAMES TO BE FOR RENEWABLE MEDIA TYPE FILTER MATERIAL.
4. ALL MOTORS TO BE COPPER WOUND & U.S. MADE, BEARINGS U.S. MADE.
5. ALL BEARINGS ON FAN & MOTOR TO BE U.S. MADE.
6. ALL FAN MOTORS & DRIVE TO BE EXTERNAL TO UNIT.
7. MAXIMUM CHILLED WATER COIL P.D. IN FT. = 10 FT.

CONVERTOR SCHEDULE

No.	GAL. PER MIN.	ENT. WTR TEMP. °F	LVG. WTR TEMP. °F	STM. PRESS. IN P.S.I.	MANUFACTURER TYPE & No
1	110	170	200°F	25	OWNER FURNISHED

ROOM FAN AND COIL UNIT SCHEDULE

No.	CFM MEDIUM SPEED	VOLTS PHASE CYCLE	H.P. WATTS	R.P.M.	EXT. S.P. IN IN.	COOLING DATA				HEATING DATA			MANUFACTURER TYPE & No		
						GPM 42°F H ₂ O	SENS. CAP. BTU/HR	TOT. CAP. BTU/HR	O.A. CONN. SIZE	ENT. AIR DB °F	LVG. AIR WB °F	TEMP. RISE °F		GPM 200°F H ₂ O	TOTAL HEAT MBH
1A	135	120/1φ/60	50	—	.05	1.05	—	—	4φ	78	65	20	1.05	—	OWNER FURNISHED
2A	185	120/1φ/60	50	—	.05	1.51	—	—	4φ	78	65	20	1.51	—	OWNER FURNISHED
3A	282	120/1φ/60	95	—	.05	2.20	—	—	4φ	78	65	20	2.20	—	OWNER FURNISHED
4A	471	120/1φ/60	190	—	.05	3.42	—	—	5φ	78	65	20	3.42	—	OWNER FURNISHED

NOTES:

1. ALL UNITS TO BE EXPOSED OR CONCEALED (FURRED IN TYPE) W/ BACK O.A. CONNECTION, COMBINATION CHILLED-HEATED WATER COIL, FILTER, RA & SUPPLY GR. AS REQ'D.
2. ROOM F & C UNITS #1A, 2A, 3A & 4A CAPACITIES ARE THE SAME AS SCHEDULED ABOVE FOR ROOM F & C UNITS No 1, 2, 3 & 4. UNITS No 1A, 2A, 3A & 4A ARE OWNER FURNISHED & ARE TO BE IN FURRING & TO HAVE SUPPLY & RETURN DUCT EXTENSIONS TO NEW SUPPLY & RETURN GRILLES, SEE FLOOR PLANS FOR GR. SIZES.
3. CONTRACTOR TO CUT O.A. CONNECTION INTO BACK OF ALL OWNER FURNISHED ROOM F & C UNITS. CONTR. TO INSTALL 1" FLG. CONN. ON EACH FOR CONN. OF O.A. DUCT TO UNITS.
4. PIPING RUN-OUT SIZE TO UNIT (1) & (2) TO BE MIN. 1/2", (3) & (4) TO BE 3/4" PIPE SIZE.

PUMP SCHEDULE

No.	CAPACITY GPM	HD FT. H ₂ O	MIN. HP	HEAD RISE TO SHUT-OFF	RPM	% EFF	VOLTS PHASE CYCLE	MANUFACTURER TYPE & No.
1	110	60	5	10	1,750	63	208/3φ/60	PACIFIC MODEL No 2X2 1/2 TYPE L

NOTES:

1. ALL PUMP MOTORS TO BE COPPER WOUND U.S. MADE, BEARINGS U.S. MADE.
2. PUMP TO BE END SUCTION TYPE, FRAME MOUNTED W/ FLEX. COUPLING.

HOT WATER UNIT HEATER SCHEDULE

UNIT No.	CFM	BTU OUTPUT	GPM	WATER PD FT	ENT. AIR TEMP °F	FAN H.P.	RPM	VOLTS PHASE CYCLE	ENT. WTR TEMP °F	WTR TEMP DROP °F	MANUFACTURER TYPE & No.
1	—	18,100	1.37	—	60°F	1/25	—	120/1φ/60	200	20	OWNER FURNISHED
2	—	18,100	1.37	—	60°F	1/25	—	120/1φ/60	200	20	OWNER FURNISHED

EXHAUST FAN SCHEDULE

FAN No.	C.F.M.	S.P.	MAX. O.V. F.P.M.	R.P.M.	MIN MTR HP	VOLTS PHASE CYCLE	MANUFACTURER TYPE & No.	REMARKS
1	550	1/2"	1100	960	1/3	120/1φ/60	BRUNDAGE BLOWER MODEL 308A	CABINET FAN
2	—	—	—	—	1/2	120/1φ/60	OWNER FURNISHED FAN	EXIST. RELOCATED. (SEE ALTS.)
3	635	1"	—	1725	1/2	120/1φ/60	BUFFALO BABY VENT SET FAN SIZE E	CAST IRON, DIRECT DRIVE. (SEE ALTS.)

NOTES:

1. ALL EXHAUST FAN MOTORS TO BE COPPER WOUND U.S. MADE, BEARINGS U.S. MADE.
 2. E.F. No. 1 TO HAVE ADJ. SHEAVE ON MOTOR, SELECTED IN MID RANGE.
- ① GENERAL NEW TLT. EXH. FAN.
② EXIST. RELOCATED MTR. ENGINE EXH. FAN.
③ NEW METAL SHOP WELDING EXH. FAN.

CONDENSATE RETURN UNIT SCHEDULE

UNIT No.	FT ² EDR	DISCH. PRESS. PSIG	RECEIVER CAP. GAL.	G.P.M. PER PUMP	No. OF PUMPS	MIN. H.P.	VOLTS PHASE CYCLE	RPM	MANUFACTURER TYPE & No
1	—	—	—	—	1	1/3	208/3φ/60	—	OWNER FURNISHED

VENTILATION AND MAKE-UP-O.A. FAN SCHEDULE

No.	CFM	S P IN. IN.	VOLTS PHASE CYCLE	H.P.	OUTLET VEL.	MANUFACTURER TYPE & No.	REMARKS
VF-1	5,200	3/4"	208/3φ/60	1 1/2	1775	BRUNDAGE BLOWER # B18 BB	COMPLETE W/ DUCT FILTER (SEE ALTS)
VF-2	5,200	3/4"	208/3φ/60	1 1/2	1775	" " "	" " " (SEE ALTS)
VF-3	5,200	3/4"	208/3φ/60	1 1/2	1775	" " "	" " " (SEE ALTS)
VF-4	5,200	3/4"	208/3φ/60	1 1/2	1775	" " "	" " " (SEE ALTS)
VF-5	600	1/2"	120/1φ/60	1/2	1200	" " # 808A	" " " (FOR ELEC. ROOM VENTILATION)
M.U. O.A.-1	1400	1 1/2"	208/3φ/60	3/4	1440	TRANE CABINET FAN #3	COMPLETE W/ FLAT FILTER SECTION (SEE ALTS)

NOTES:

1. ALL MOTORS TO BE U.S. MADE, COPPER WOUND, W/ U.S. MADE BEARINGS.
2. ALL VENT & MAKE-UP AIR UNITS FANS TO HAVE ADJ. SHEAVES ON DRIVE ASSY. SELECTED IN MID RANGE.



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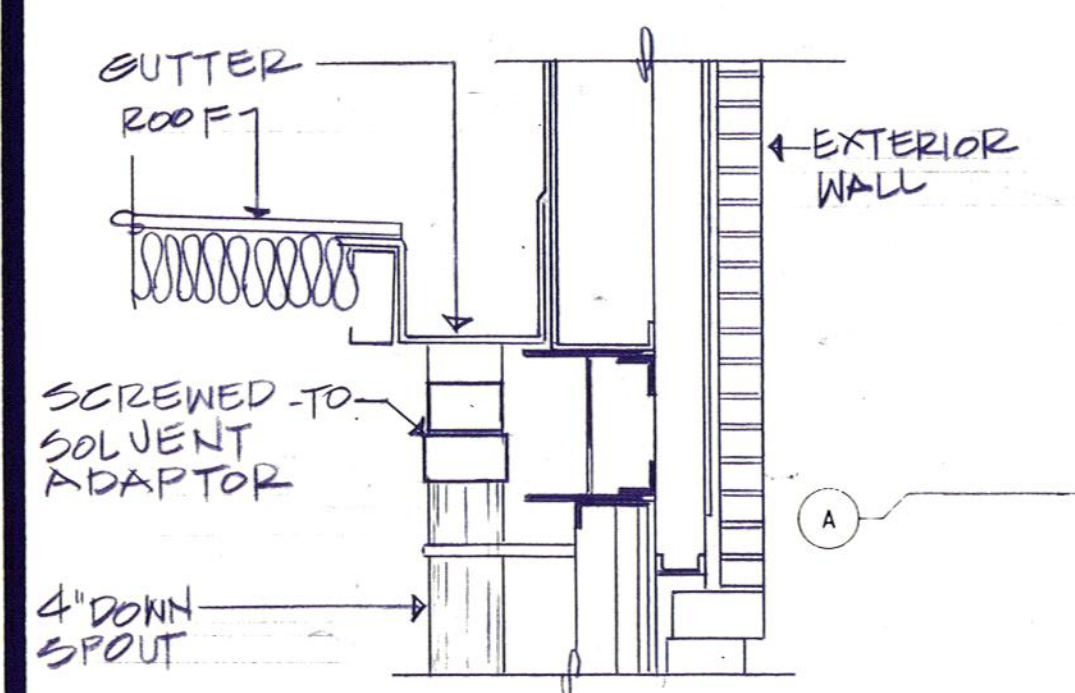
A New Maintenance Facility
DANIEL BUILDING
Midwestern State University
Wichita Falls, Texas

MSU MSU MSU MSU

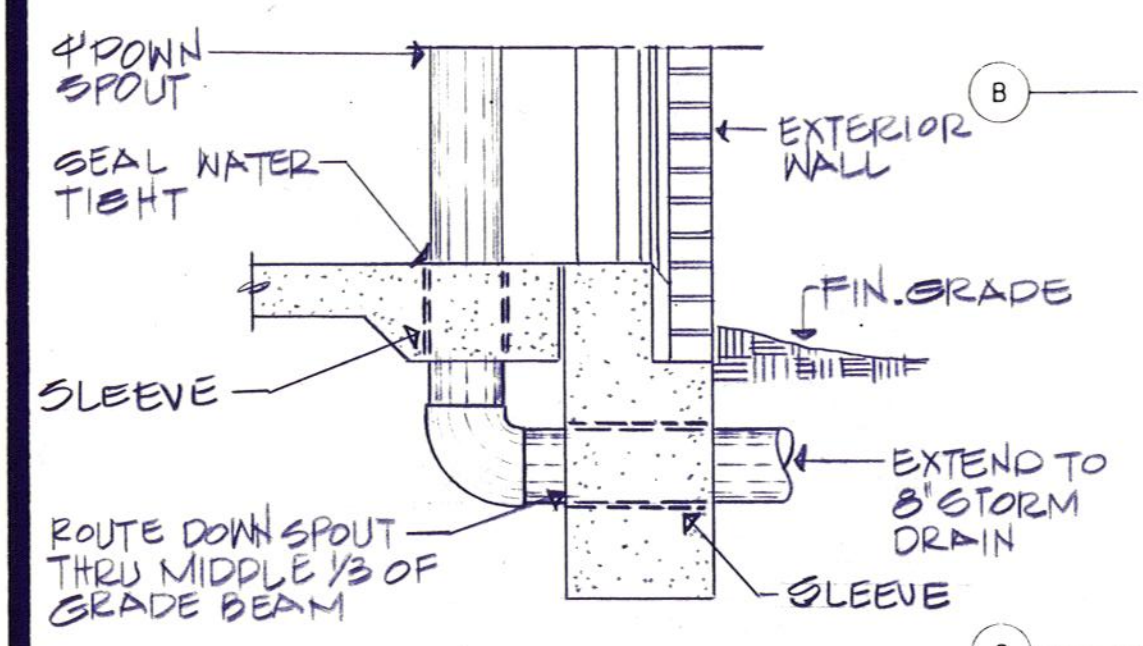
DRAWN G.F.
CHECKED DWG
DATE JULY 11, 1989
JOB NUMBER 8907

SHEET M-6

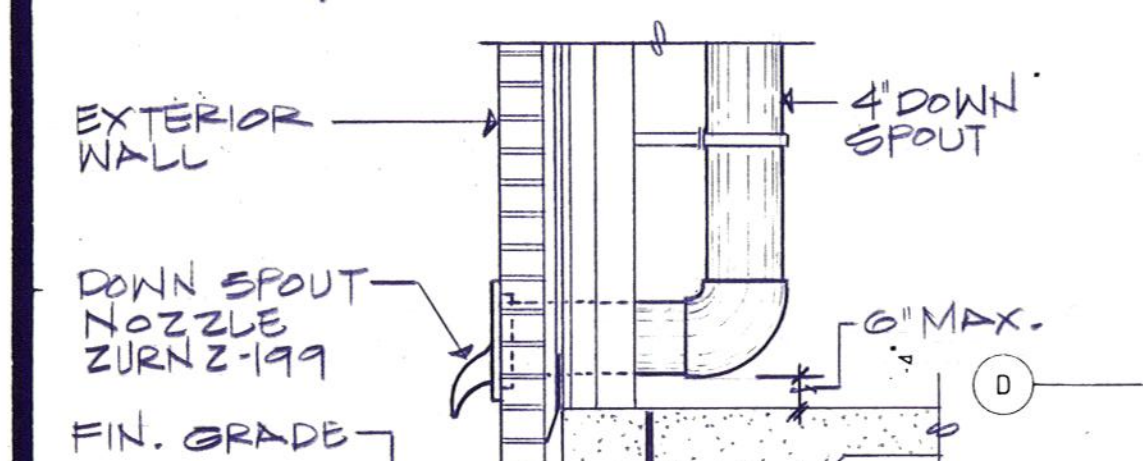
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FAI PROJECT NO. 21044-00



CONNECTION AT GUTTER



EAST WALL

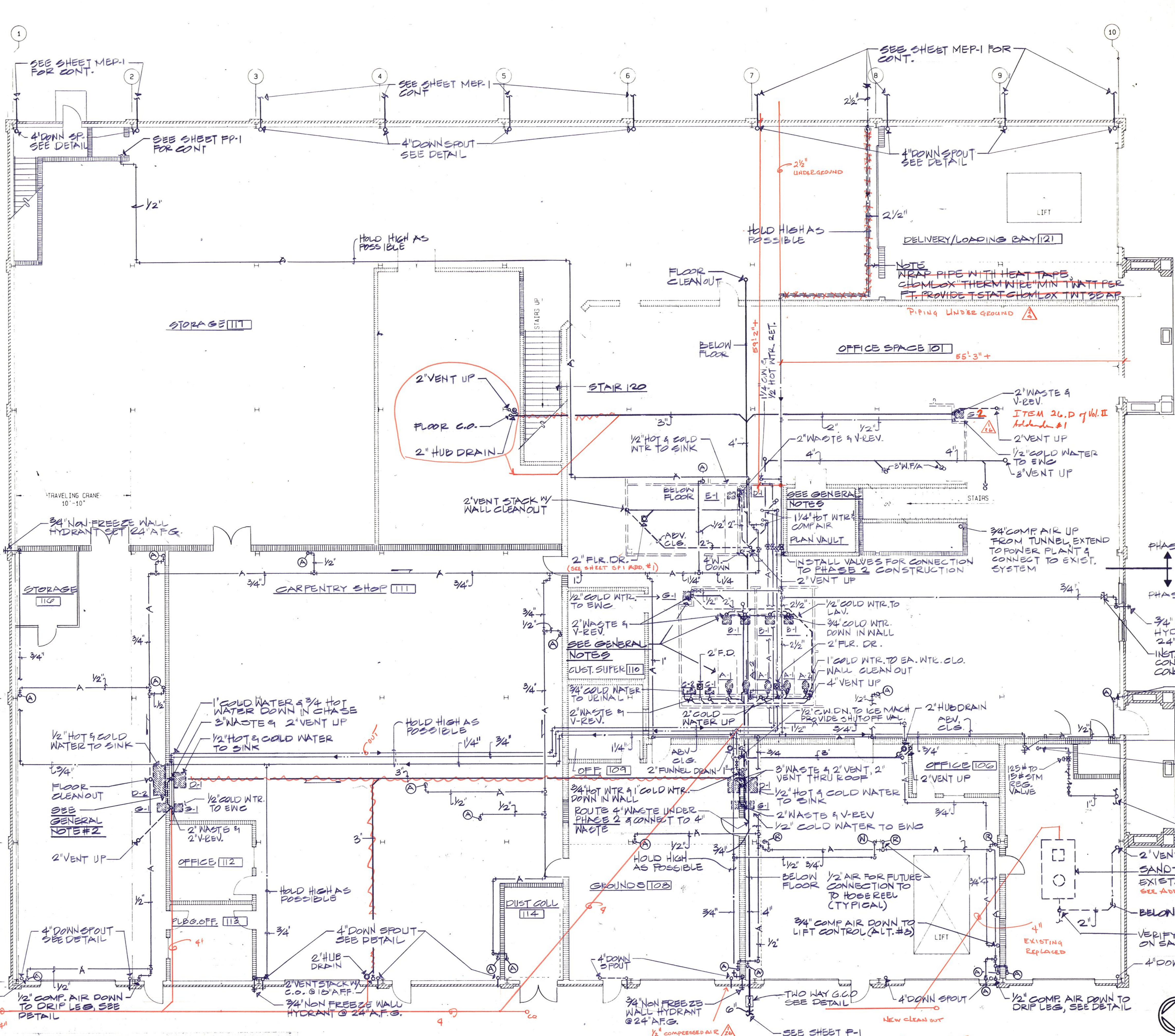


WEST WALL

DOWN SPOUT INSTALLATION
NOT TO SCALE

GENERAL NOTES:

1. CONTRACTOR SHALL ROUGH-IN & CAP SERVICES FOR EACH PLUMBING FIXTURES UNDER "BASE BID". ALL WASTE PIPE ABOVE CEILING & BELOW FLOOR SHALL BE INSTALLED. STUB UP WASTE PIPE 12" ABOVE FINISHED FLOOR & CAP. ALL WATER PIPE ABOVE CEILING SHALL BE INSTALLED VALVE & CAP EACH SERVICE
2. ALL WASTE & WATER PIPE WORK IN WALLS & CHASES SHALL BE INSTALLED UNDER "ALTERNATE #4"
3. PLUMBING FIXTURES SHALL BE INSTALLED UNDER ALTERNATE #14.



FIRST FLOOR PLAN - PLUMBING

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



SEE A2
ATTACHED FOR AIR PIPE

PLOTTED: MAY 3, 1989

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FAI PROJECT NO. 890400



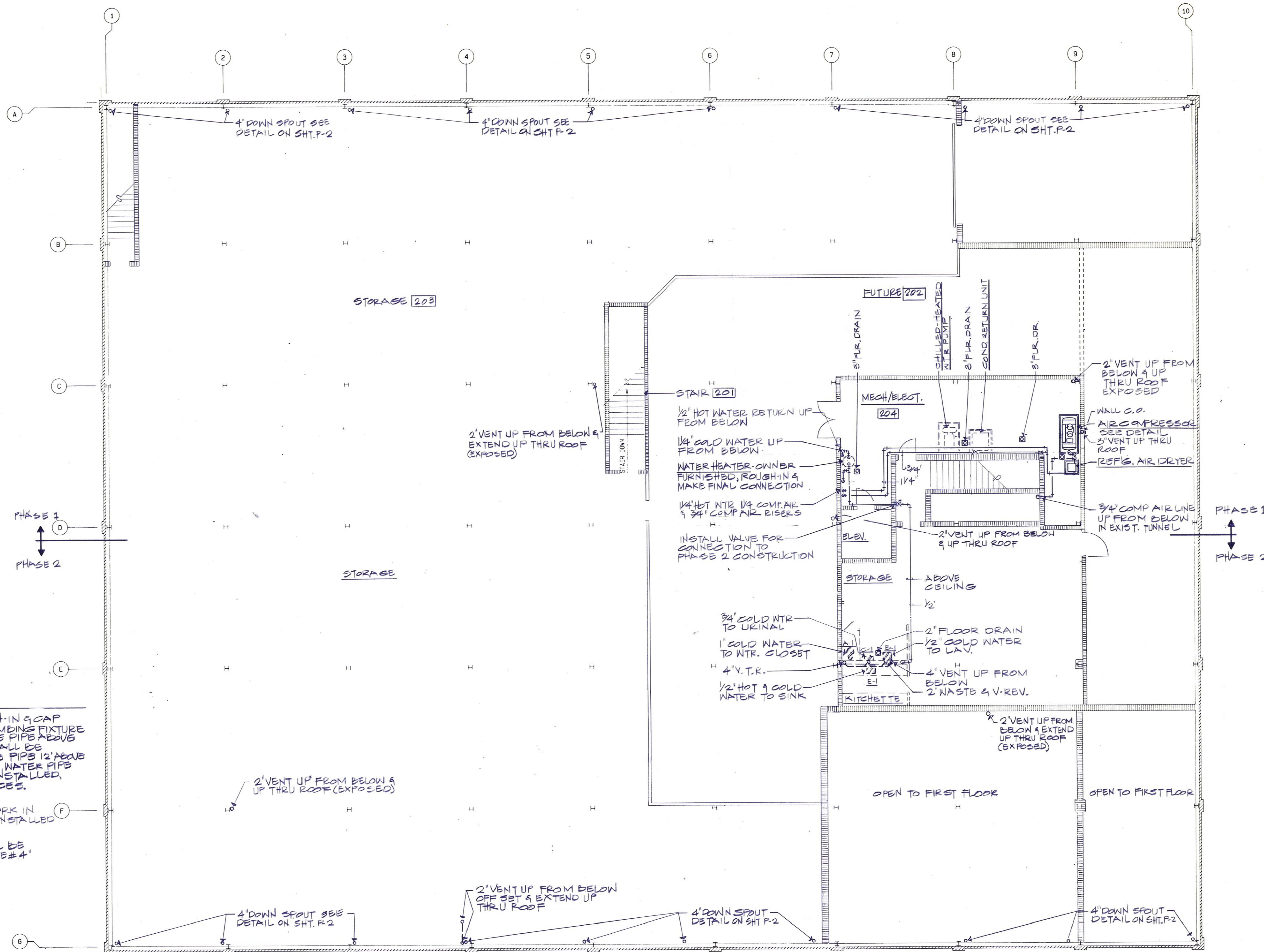
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Midwestern State University
Wichita Falls, Texas

DUSSU MSSU

DRAWN W.D.M.JR
CHECKED D.W.B.
DATE JULY 11, 1989
JOB NUMBER 8907
SHEET

P-2
OF 5P VOLUME II



GENERAL NOTES:

1. CONTRACTOR SHALL ROUGH-IN & CAP SERVICES FOR EACH PLUMBING FIXTURE UNDER "BASE BID". ALL WASTE PIPE ABOVE CEILING & BELOW FLOOR SHALL BE INSTALLED. STUB UP WASTE PIPE 12" ABOVE FINISHED FLOOR & CAP. ALL WATER PIPE ABOVE CEILING SHALL BE INSTALLED, VALVE & CAP EACH SERVICES.
2. ALL WASTE & WATER PIPE WORK IN WALLS & CHASSES SHALL BE INSTALLED UNDER "ALTERNATE #4"
3. PLUMBING FIXTURES SHALL BE INSTALLED UNDER "ALTERNATE #4"

SECOND FLOOR PLAN - PLUMBING

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



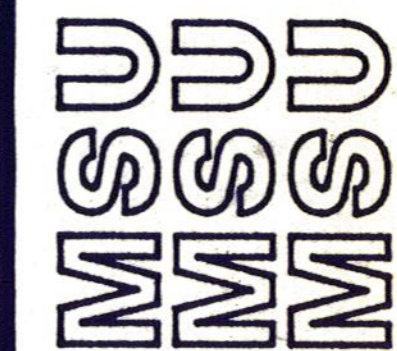
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FAI PROJECT NO. 8904400



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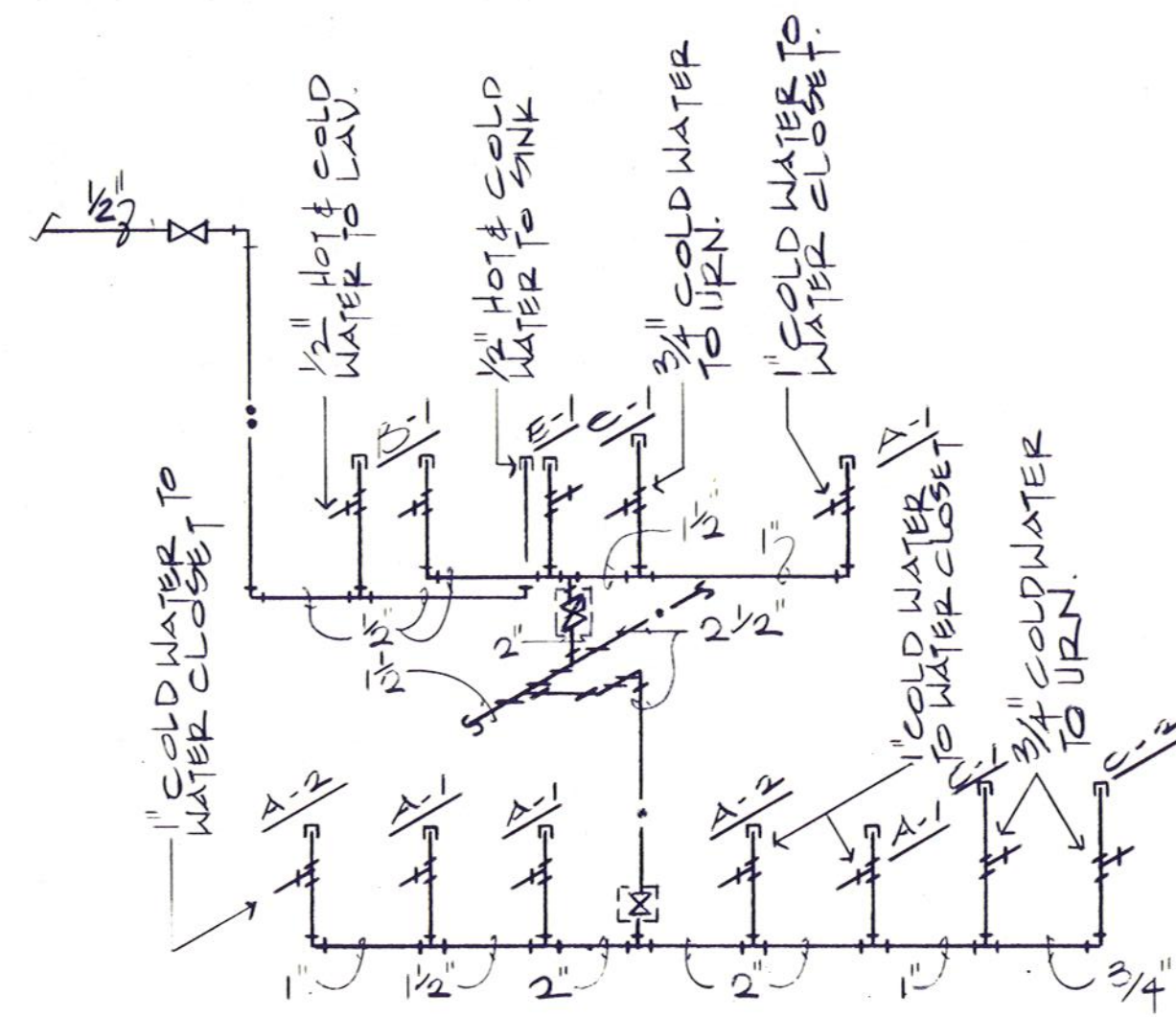


DRAWN KDM, I.R.
CHECKED D.W.S.
DATE JULY 11, 1989
JOB NUMBER 8901

SHEET

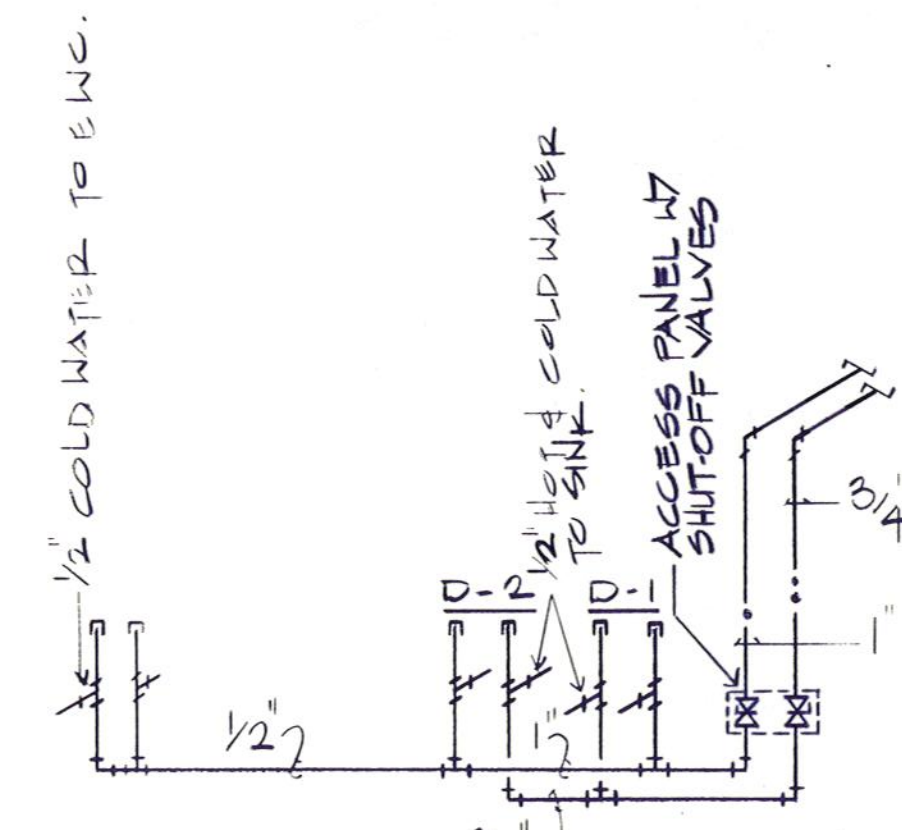
P-3

OF 5P VOLUME II

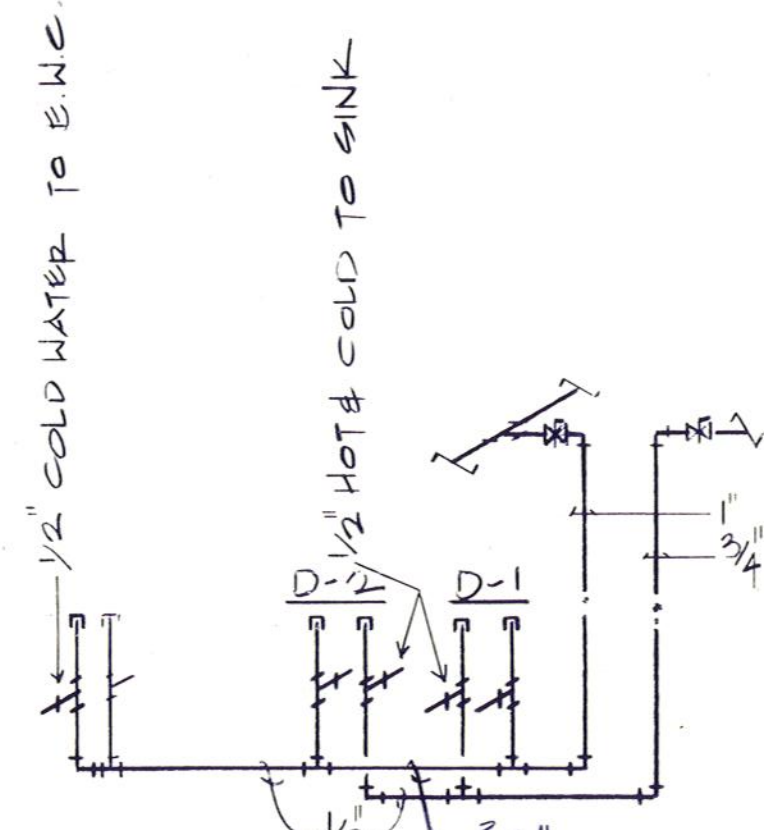


WOMEN'S TOILET 133

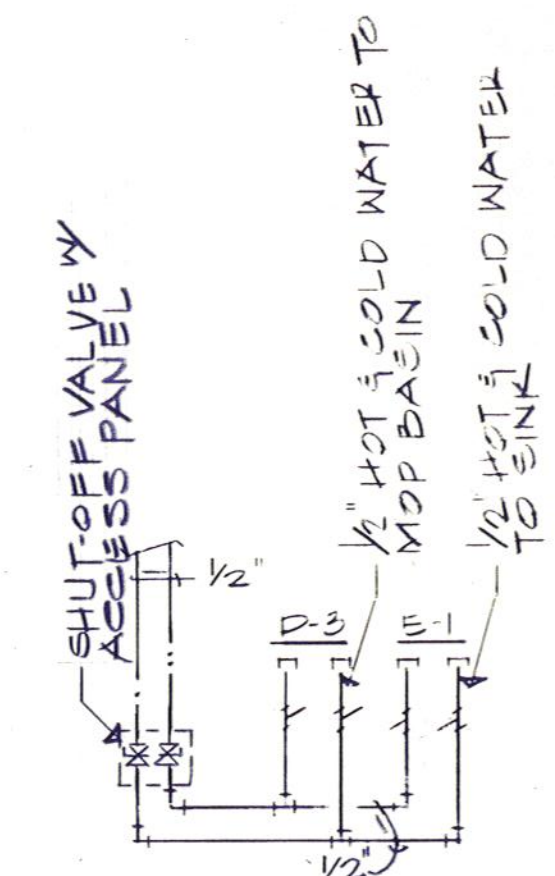
MEN'S TOILET 135



S.M./WELDING/PLBGG.-CARR. SHOP 111
115

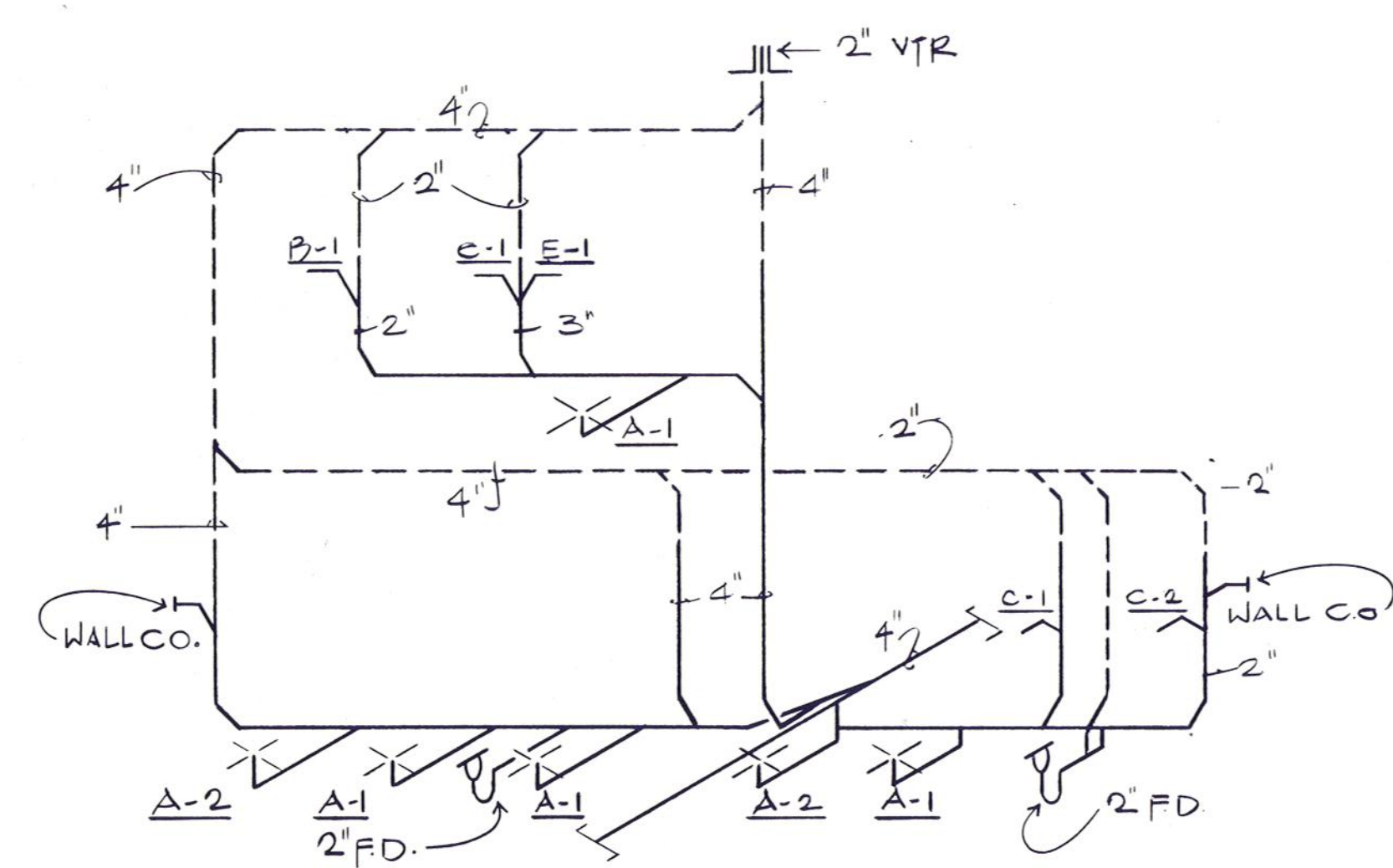


GROUND'S-VEHICLE MAIN 108
105



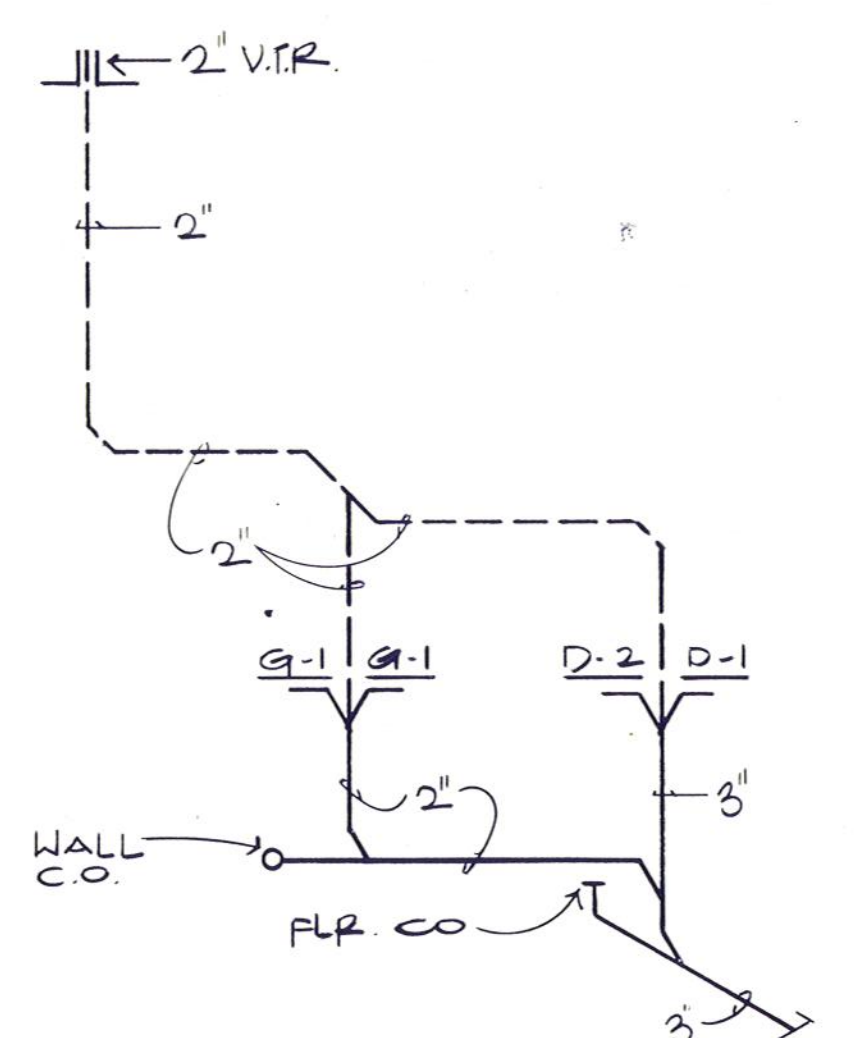
BREAK ROOM 138

WATER RISER DIAGRAMS
NOT TO SCALE

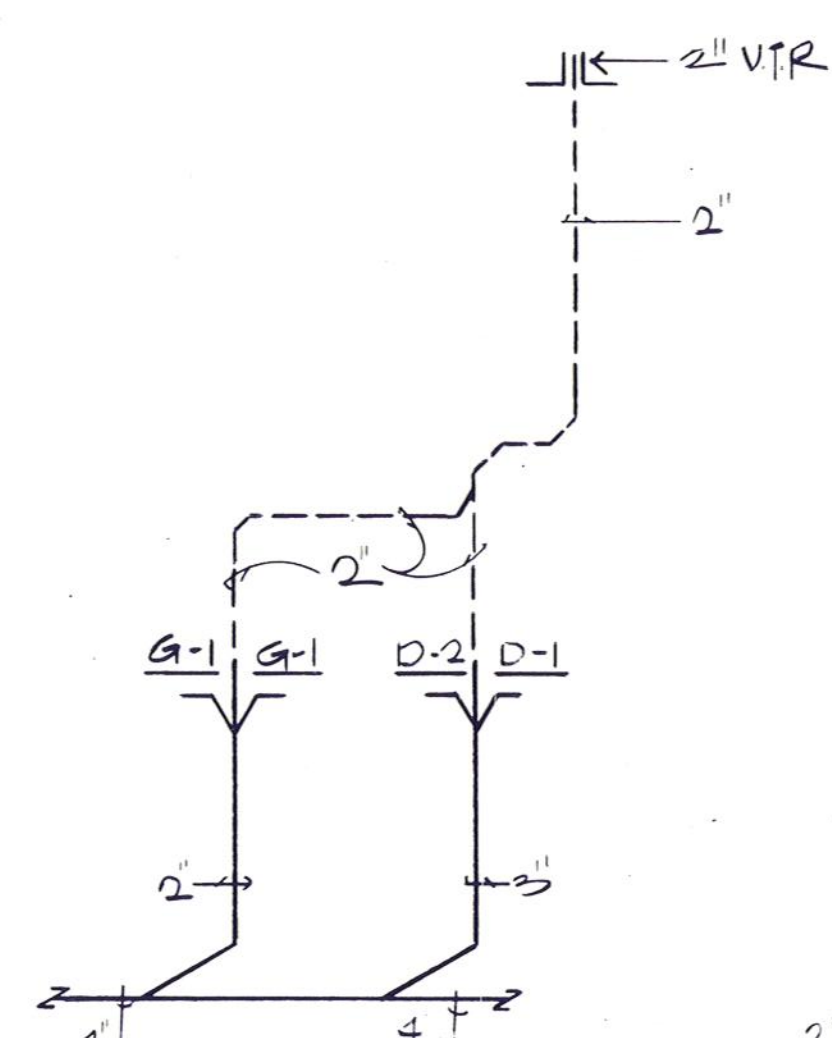


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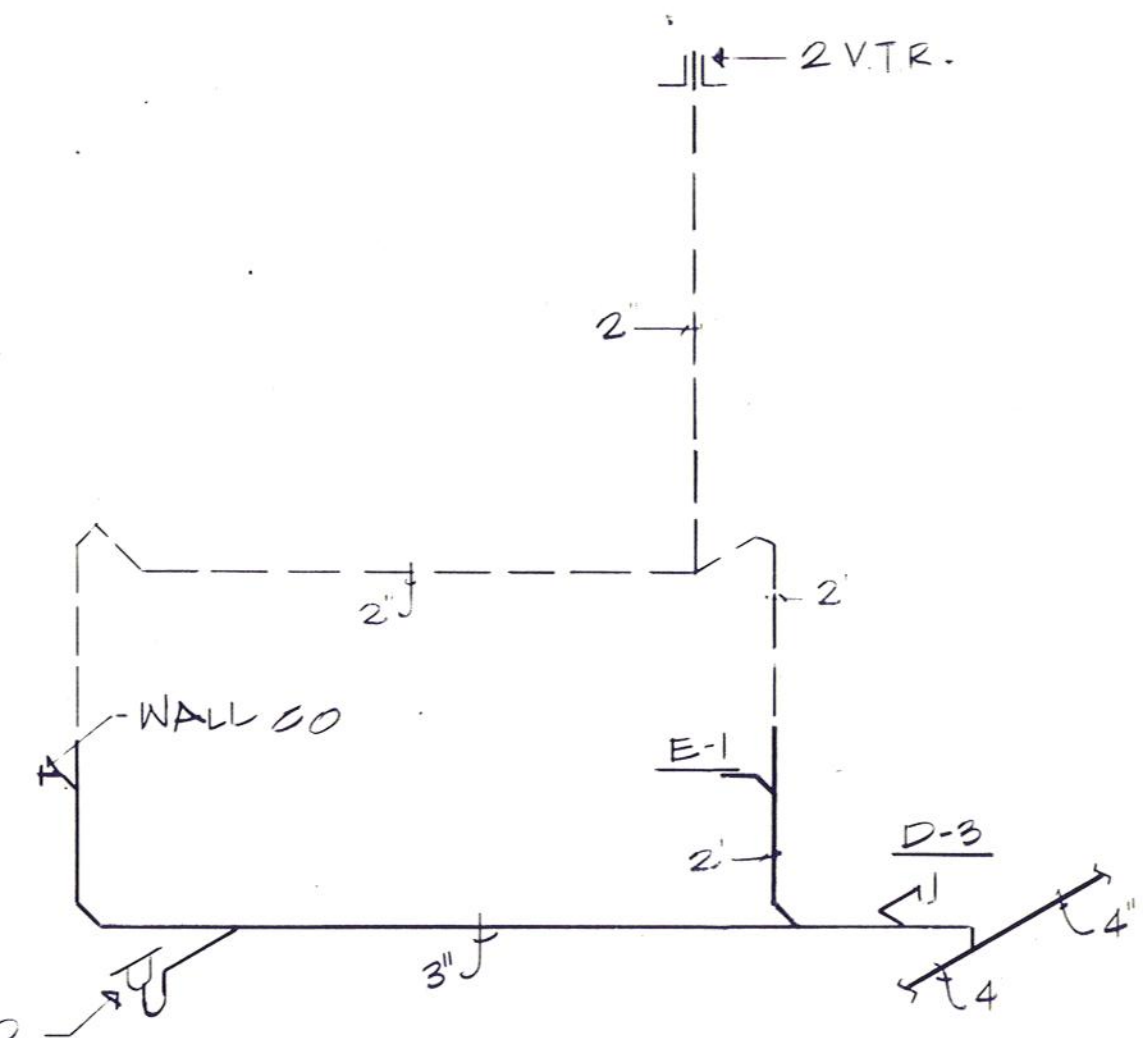
MEN'S TOILET 135



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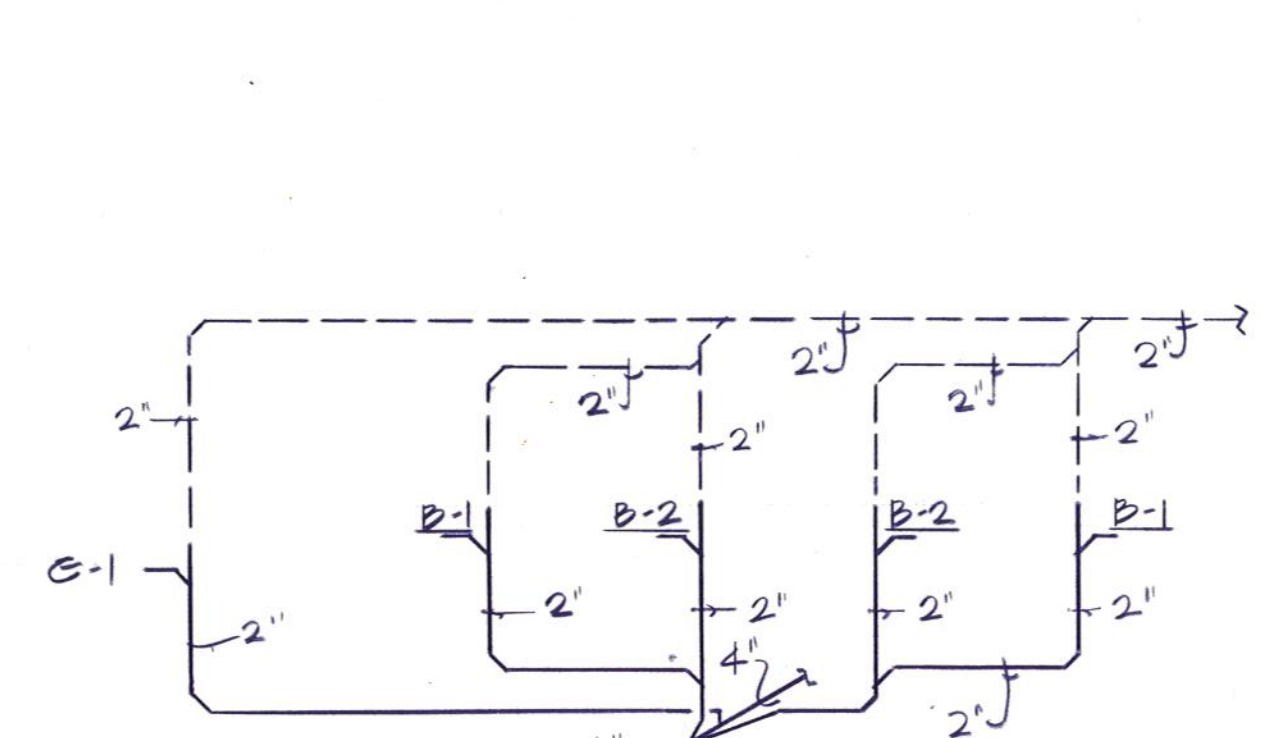


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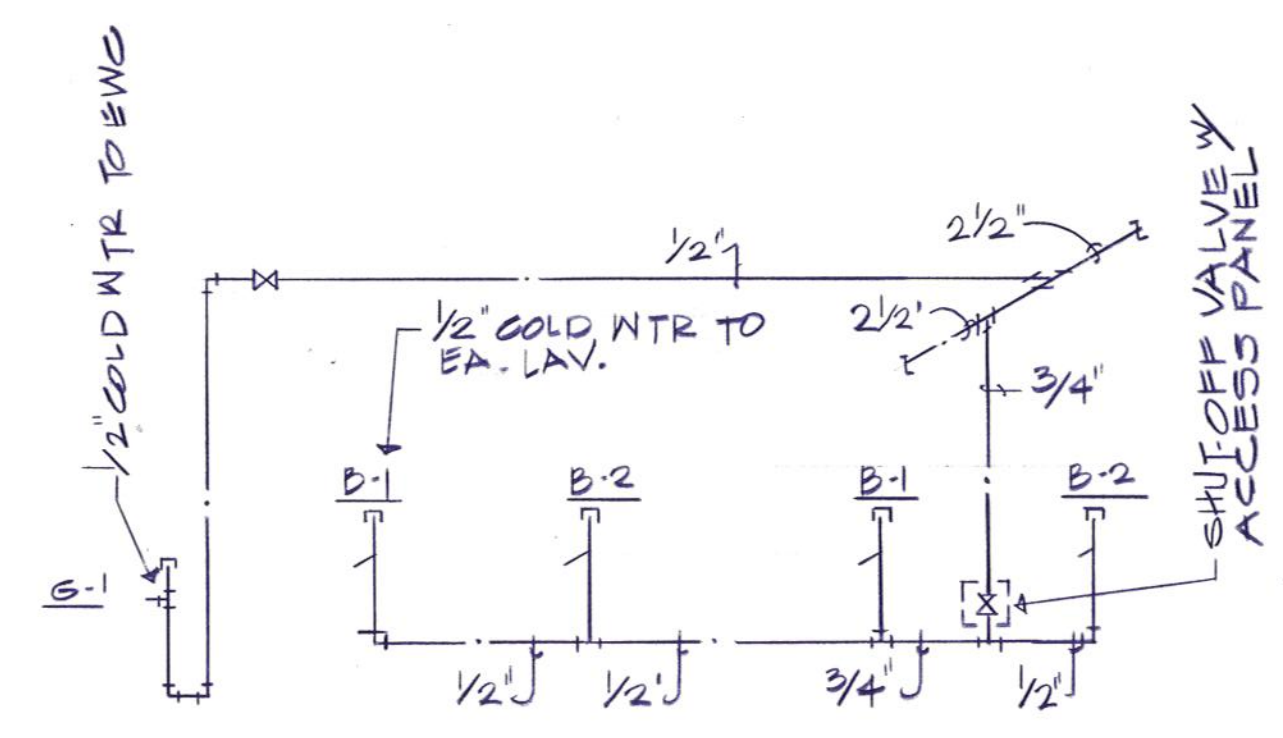
BREAK ROOM 138

WASTE RISER DIAGRAMS
NOT TO SCALE



WOMEN'S-MEN'S TOILET

RISER DIAGRAMS
NOT TO SCALE



WOMEN'S-MEN'S TOILET



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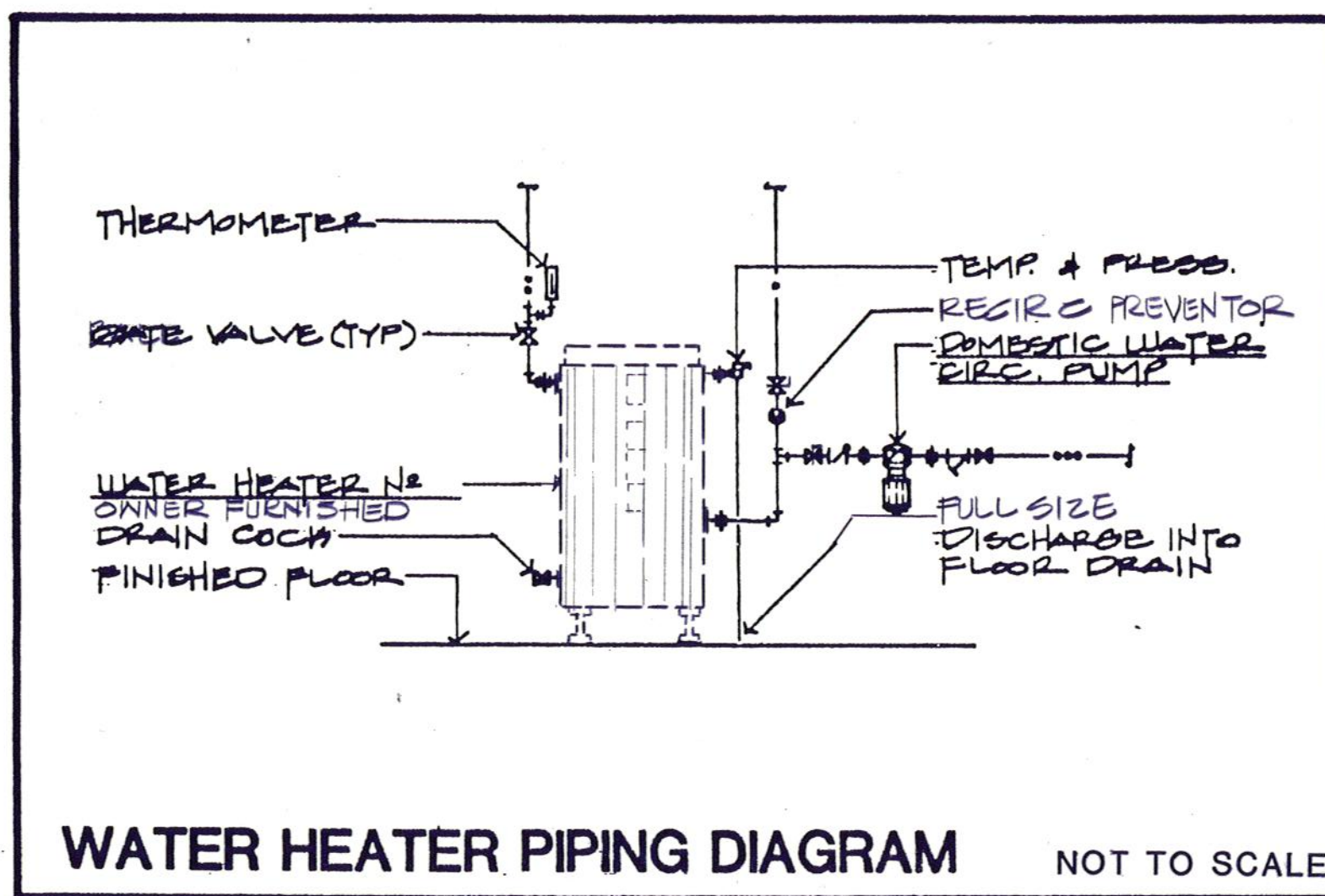
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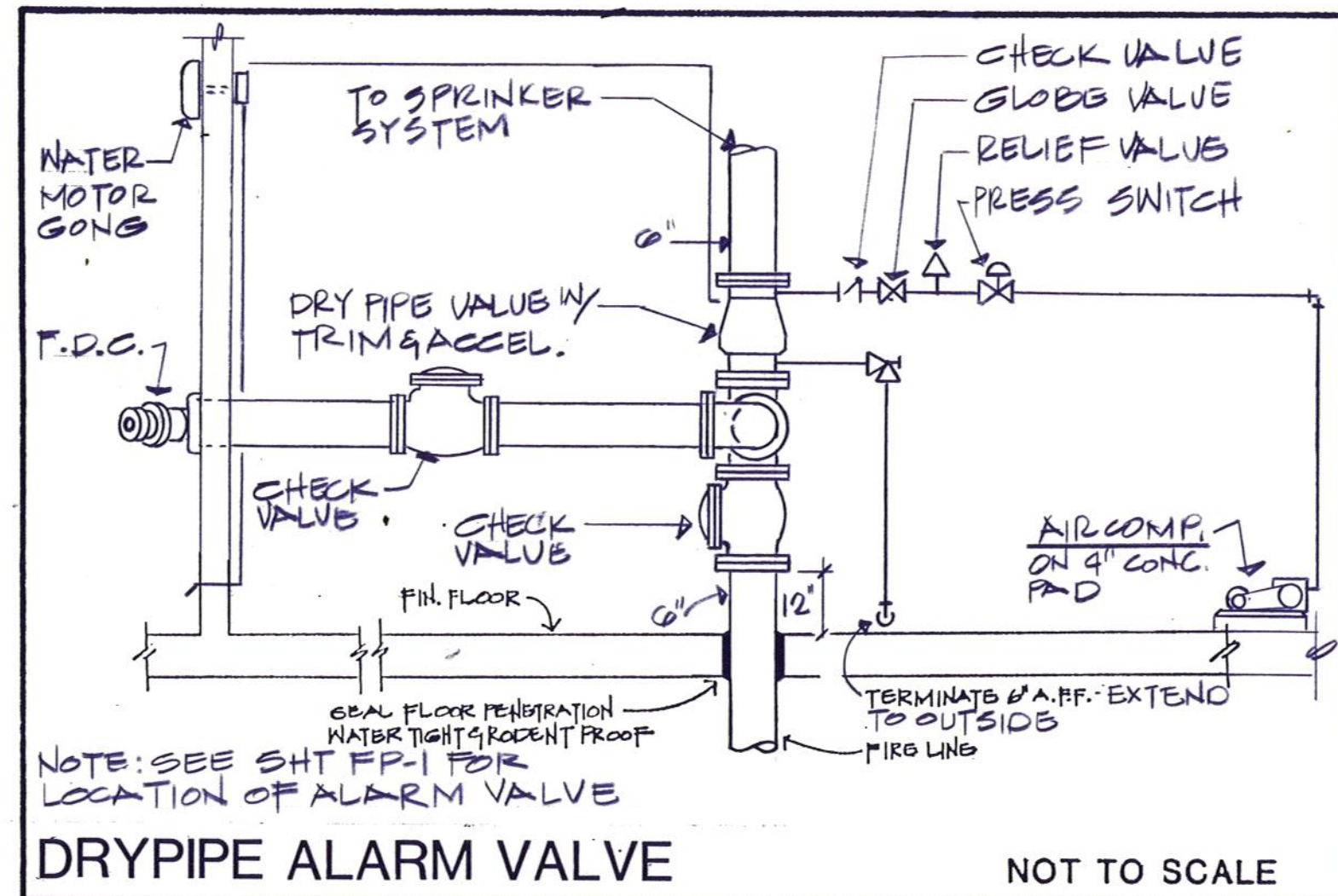
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SHEET
P-4
OF 5P VOLUME II

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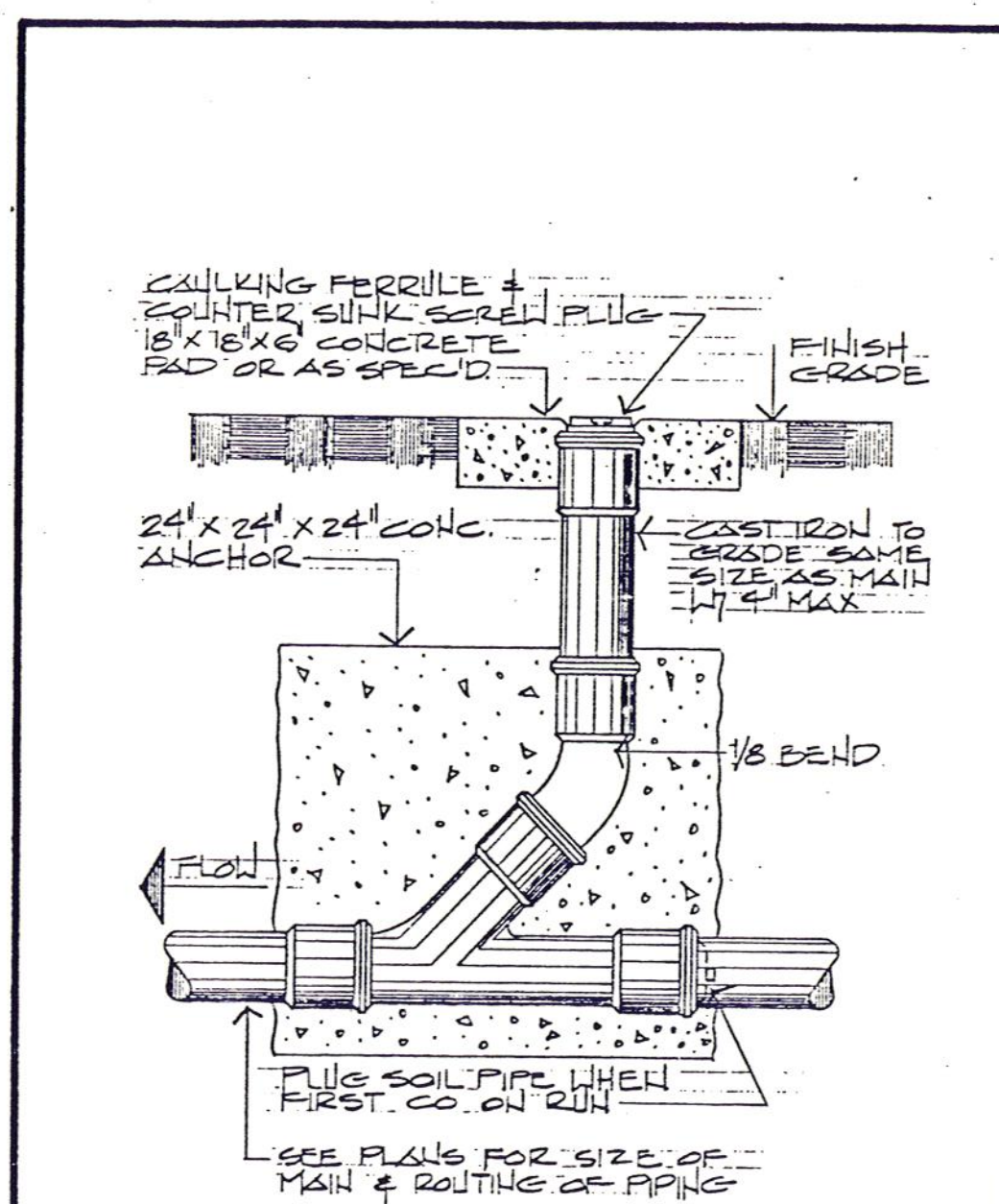
WATER HEATER PIPING DIAGRAM NOT TO SCALE



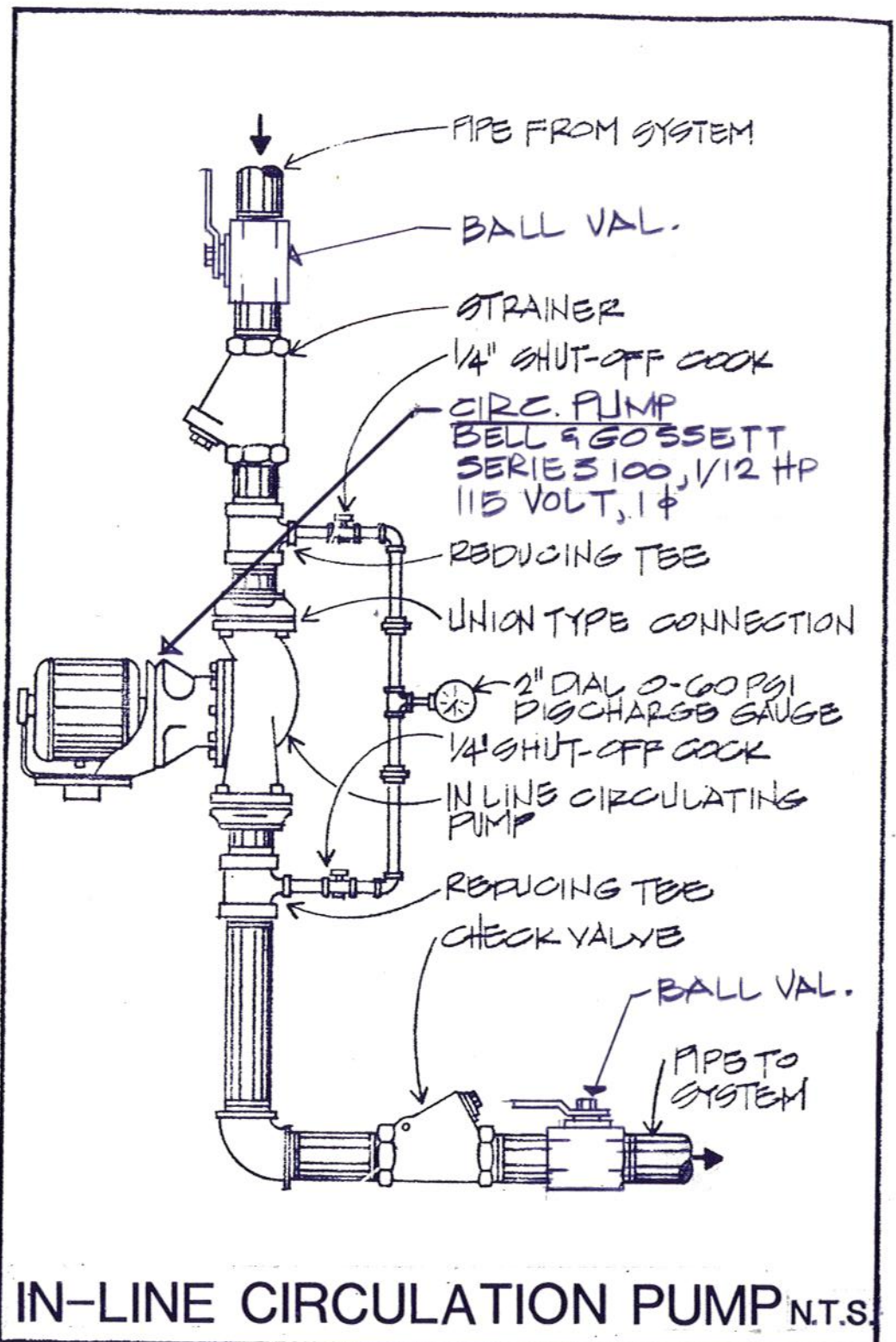
DRYPIPE ALARM VALVE NOT TO SCALE

PLUMBING FIXTURE SCHEDULE

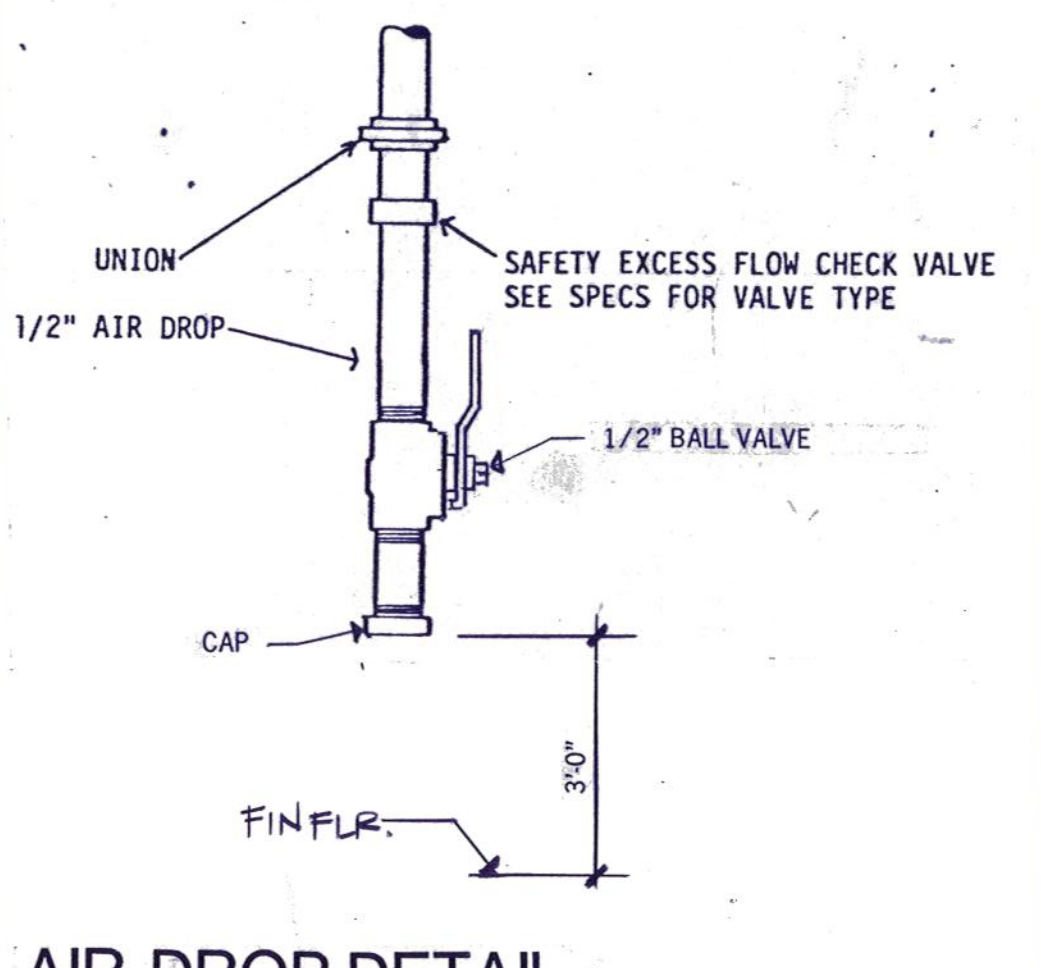
- TYPE A-1 - WATER CLOSET (FLOOR-REGULAR, FLUSH VALVE):**
- BOWL: OWNER FURNISHED.
 - FLUSH VALVE: QUIET EXPOSED CLOSET FLUSH VALVE, CHROME PLATED, METAL OSCILLATING NON-HOLD-OPEN HANDLE, 1" IPS SCREW DRIVER BAK-CHEK ANGLE STOP WITH PROTECTIVE CAP. VACUUM BREAKER FLUSH CONNECTION AND SPUD COUPLING FOR 1-1/2" TOP SPUD; SLOAN "ROYAL" NO. 110-VJ.
 - SEAT: SOLID PLASTIC, EXTENDED SEAT FOR ELONGATED BOWL, OPEN FRONT LESS SEAT COVER; KOHLER "LUSTRA" NO. K-4670-C (WHITE).
- TYPE A-2 - WATER CLOSET (FLOOR-MOUNTED, HANDICAPPED, FLUSH VALVE):**
- BOWL: VITREOUS CHINA, ELONGATED, SIPHONJET ACTION, 1-1/2" TOP SPUD, BOLT CAPS, RIM 18" ABOVE FLOOR; KOHLER "HIGHCLIFF" NO. K-4268-ET.
 - FLUSH VALVE: QUIET EXPOSED CLOSET FLUSH VALVE, CHROME PLATED, METAL OSCILLATING NON-HOLD-OPEN HANDLE, 1" IPS SCREW DRIVER BAK-CHEK ANGLE STOP WITH PROTECTIVE CAP. VACUUM BREAKER FLUSH CONNECTION AND SPUD COUPLING FOR 1-1/2" TOP SPUD; SLOAN "ROYAL" NO. 110-VJ.
 - SEAT: SOLID PLASTIC, EXTENDED SEAT FOR ELONGATED BOWL, OPEN FRONT LESS SEAT COVER; KOHLER "LUSTRA" NO. NO. K-4670-C (WHITE).
- TYPE B-1 - LAVATORY (WALL-HUNG, COLD WATER ONLY):**
- LAVATORY: OWNER FURNISHED.
 - FAUCET: COMPRESSION FAUCET, 4-ARM HANDLE, VALVE UNIT, COUPLING NUT LESS TAILPIECE; KOHLER "SENTINEL" NO. K-7510-C.
 - DRAIN: LAVATORY DRAIN WITH PERFORATED GRATE, 1-1/4" TAILPIECE; KOHLER NO. K-7715.
 - FAUCET HOLE COVER: CHROME PLATED FAUCET HOLE COVER; KOHLER NO. K-7732.
 - TRAP: 1-1/4" X 1-1/2" CAST BRASS ADJUSTABLE P-TRAP, CLEANOUT PLUG, TUBING TO WALL AND ESCUTCHEON; KOHLER NO. K-9000.
 - SUPPLY PIPES: 3/8" ANGLE WITH STOPS; KOHLER NO. K-7606.
- TYPE C-1 - URINAL (WALL-HUNG, REGULAR HEIGHT):**
- URINAL: OWNER FURNISHED.
 - FLUSH VALVE: HAND OPERATED, CHROME PLATED WITH VACUUM BREAKER, METAL OSCILLATING NON-HOLD-OPEN HANDLE, 3/4" SCREWDRIVER ANGLE STOP, AND COUPLING FOR 3/4" TOP SPUD, WALL AND SPUD ESCUTCHEONS; SLOAN "ROYAL" NO. 186-VJ.
- TYPE C-2 - URINAL (WALL-HUNG, HANDICAPPED):**
- URINAL: OWNER FURNISHED.
 - FLUSH VALVE: HAND OPERATED, CHROME PLATED WITH VACUUM BREAKER, METAL OSCILLATING NON-HOLD-OPEN HANDLE, 3/4" SCREWDRIVER ANGLE STOP, AND COUPLING FOR 3/4" TOP SPUD, WALL AND SPUD ESCUTCHEONS; SLOAN "ROYAL" NO. 186-VJ.
- TYPE D-1 - JANITORS SERVICE SINK:**
- SINK: OWNER FURNISHED.
 - FAUCET: OWNER FURNISHED.
 - TRAP: ADJUSTABLE TRAP, STANDARD FOR 3" PIPE CONNECTION WITH CLEANOUT PLUG AND STRAINER, ENAMELED INSIDE; KOHLER NO. K-6673.
- TYPE D-2 - LAUNDRY SINK:**
- SINK: OWNER FURNISHED.
 - FAUCET: OWNER FURNISHED.
 - TRAP: OWNER FURNISHED.
- TYPE E-1 - SINK (MOUNTED IN COUNTERTOP):**
- SINK: OWNER FURNISHED.
 - FAUCET: OWNER FURNISHED.
 - STRAINER: DUST STRAINER WITH 1-1/2" X 4" TAILPIECE, FOR SINKS WITH 3-1/2" OUTLETS; KOHLER NO. K-8801.
 - SUPPLIES: 3/8" IPS ANGLE SUPPLY WITH LOOSE KEY STOP, TWO (2) EACH; KOHLER NO. K-7607.
 - TRAP: CAST BRASS ADJUSTABLE P-TRAP, CLEANOUT PLUG, 1-1/2" X 1-1/2"; KOHLER NO. K-9000.
- TYPE G-1 - ELECTRIC WATER COOLER**
- GENERAL: OWNER FURNISHED.
- TYPE G-2 - ELECTRIC WATER COOLER (WALL MOUNTED):**
- GENERAL: WALL-MOUNTED, SELF-CONTAINED, ELECTRIC REFRIGERATED WATER COOLER; SHALL DELIVER 6.7 GPM OF 50° WATER AT 90° AMBIENT AND 80° INLET WATER. TOP SHALL BE STAINLESS STEEL WITH REMOVABLE DRAIN STRAINER. PROJECTOR SHALL HAVE IN-LINE FLOW REGULATOR TO AUTOMATICALLY REGULATE STREAM HEIGHT AT WATER PRESSURE FROM 20 TO 90 PSI. SEPARATE PUSHBUTTON CONTROL. FRONT PANEL SHALL BE REMOVABLE FOR ACCESS TO INTERIOR. COLOR SHALL BE SELECTED BY ARCHITECT/ENGINEER. WASTE OUTLET 1-1/4" SLIP CONNECTION. SUPPLY, 3/8" IPS.
 - COOLING SYSTEM: REFRIGERATION SYSTEM SHALL BE HERMETICALLY SEALED AND SHALL EMPLOY 1/2 HP, 215 VOLT, SINGLE PHASE, 60 HZ MOTOR RATED AT 4.5 AMPERES; SHALL BE LISTED AND COMPLY WITH ARI STANDARD 1010-71. HALSEY-TAYLOR No. BFC-7F.
 - MOUNTING HEIGHT: SET BUBBLER 41" ABOVE FINISHED FLOOR.



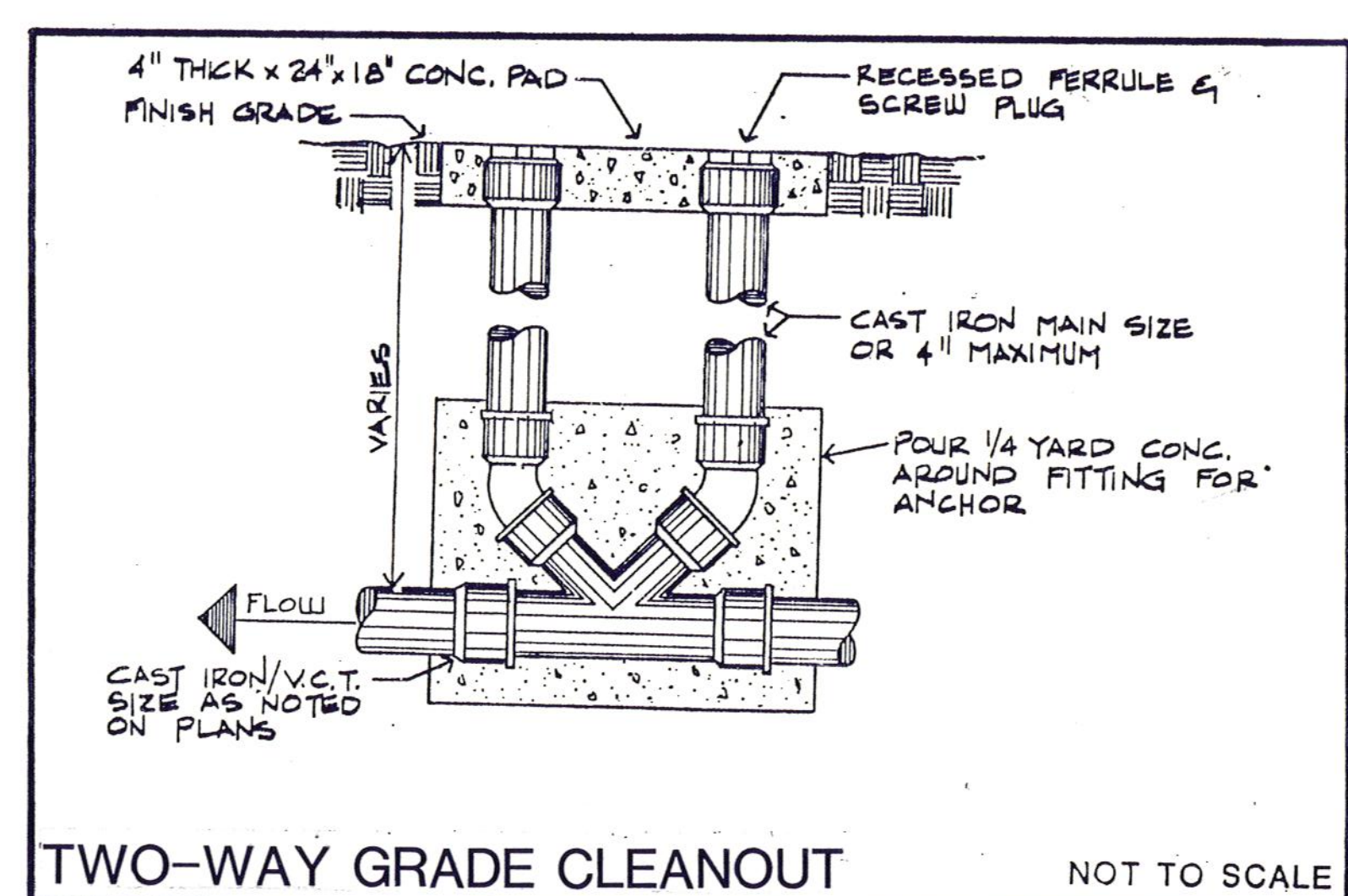
GRADE CLEANOUT NOT TO SCALE



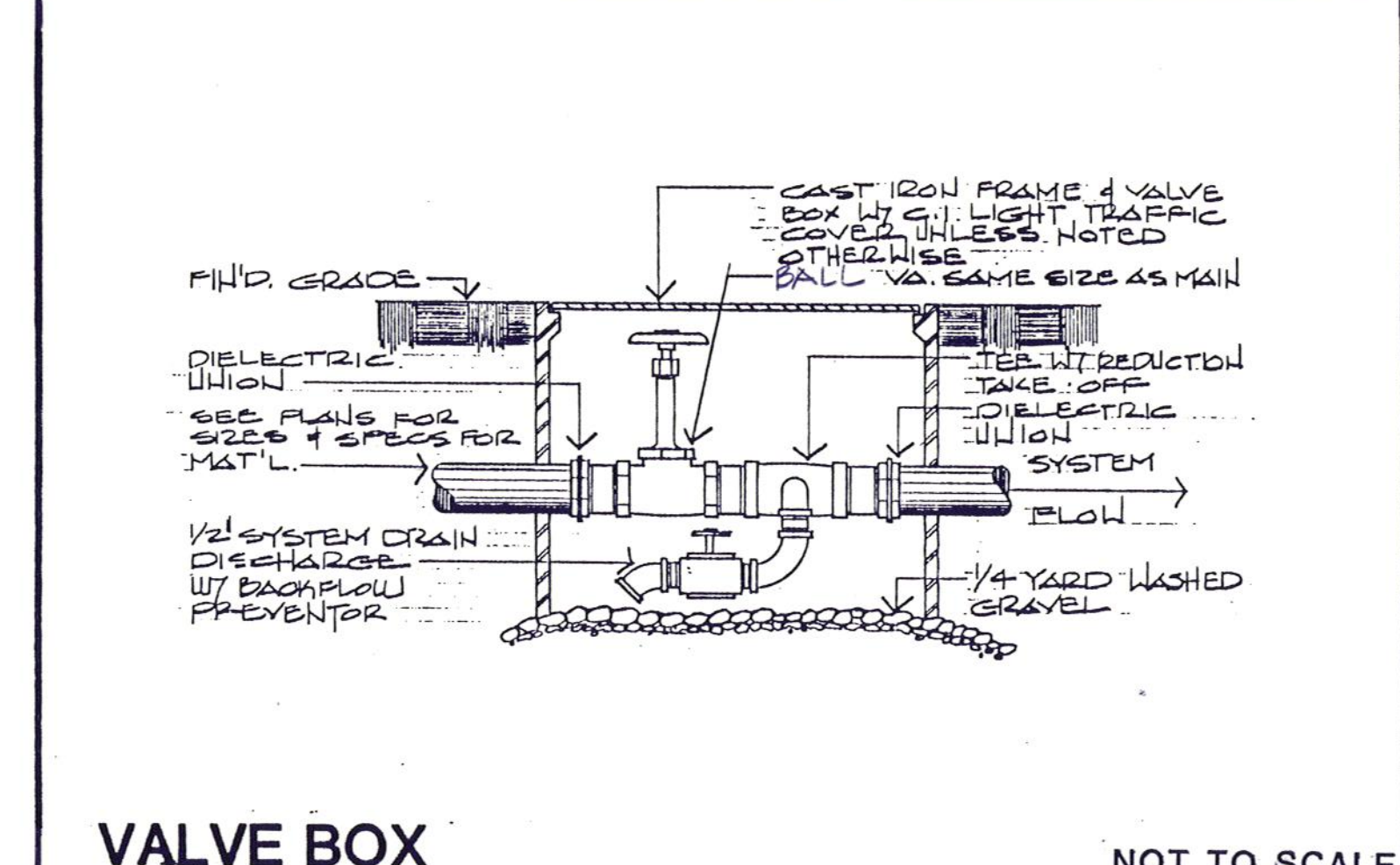
IN-LINE CIRCULATION PUMP N.T.S.



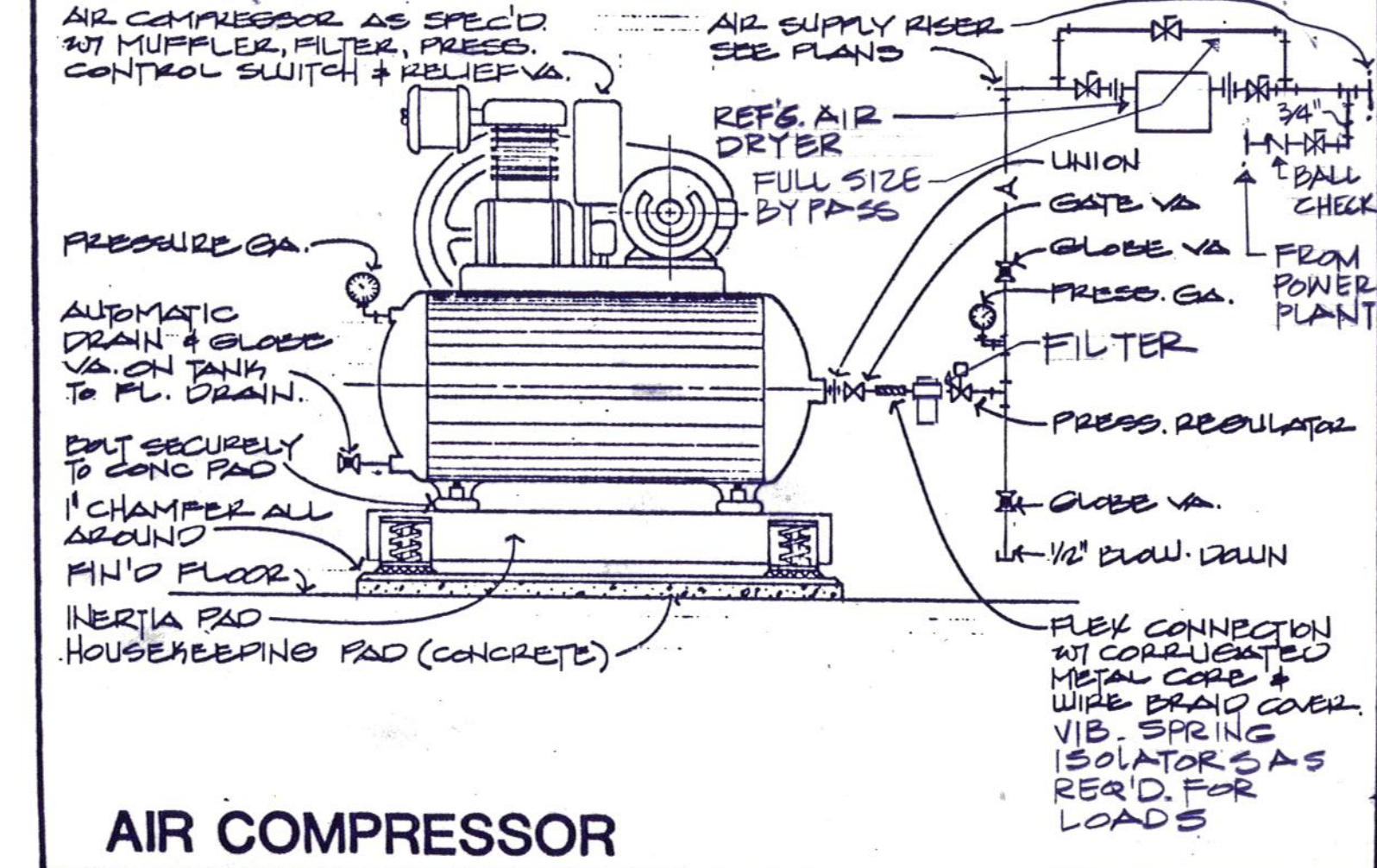
AIR DROP DETAIL



TWO-WAY GRADE CLEANOUT NOT TO SCALE



VALVE BOX NOT TO SCALE



AIR COMPRESSOR

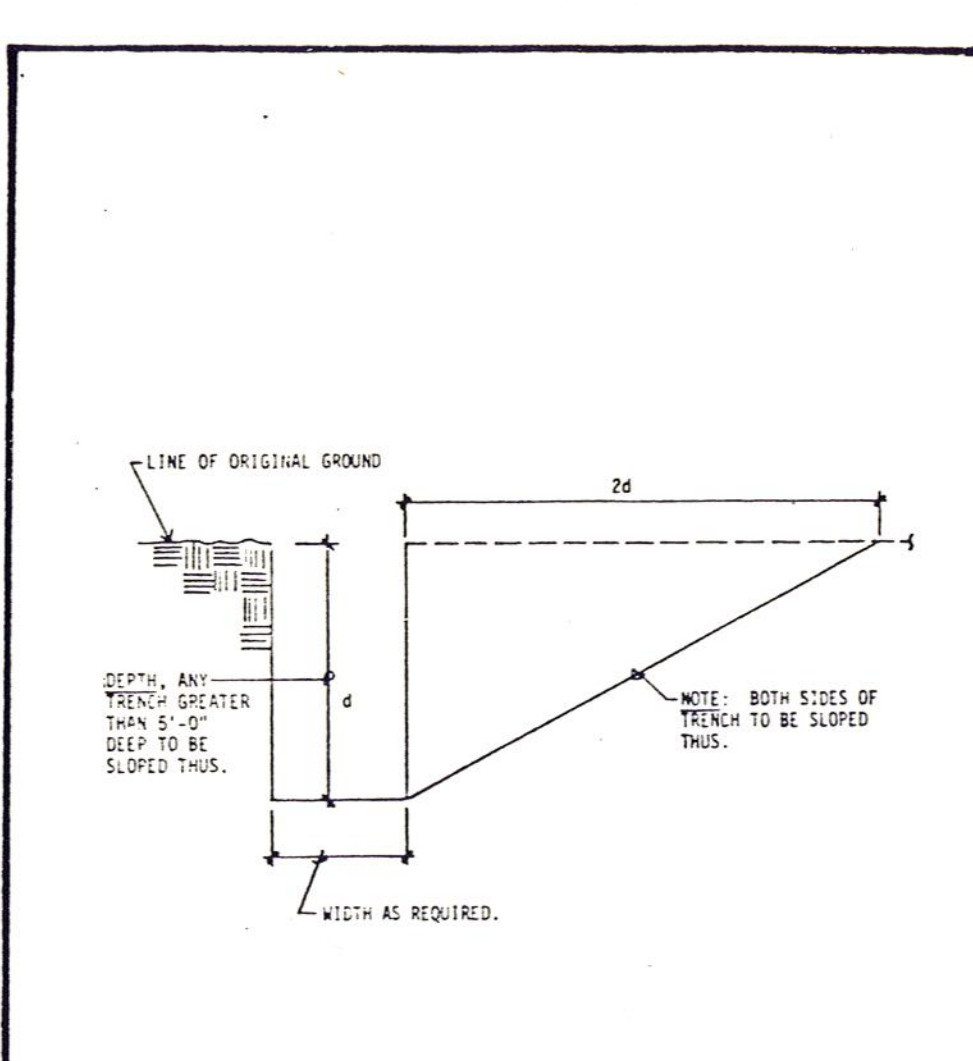
AIR COMPRESSOR SCHEDULE

UNIT	CAP (GPM)	PSIG	HP	ELEC. V, P, CY	MANUF.	TYPE	MODEL NO
1	14.9	150	5	208-3Ø	INGERSOLL RAND	3Ø	5Ø
2	-	-	5	-	-	-	-

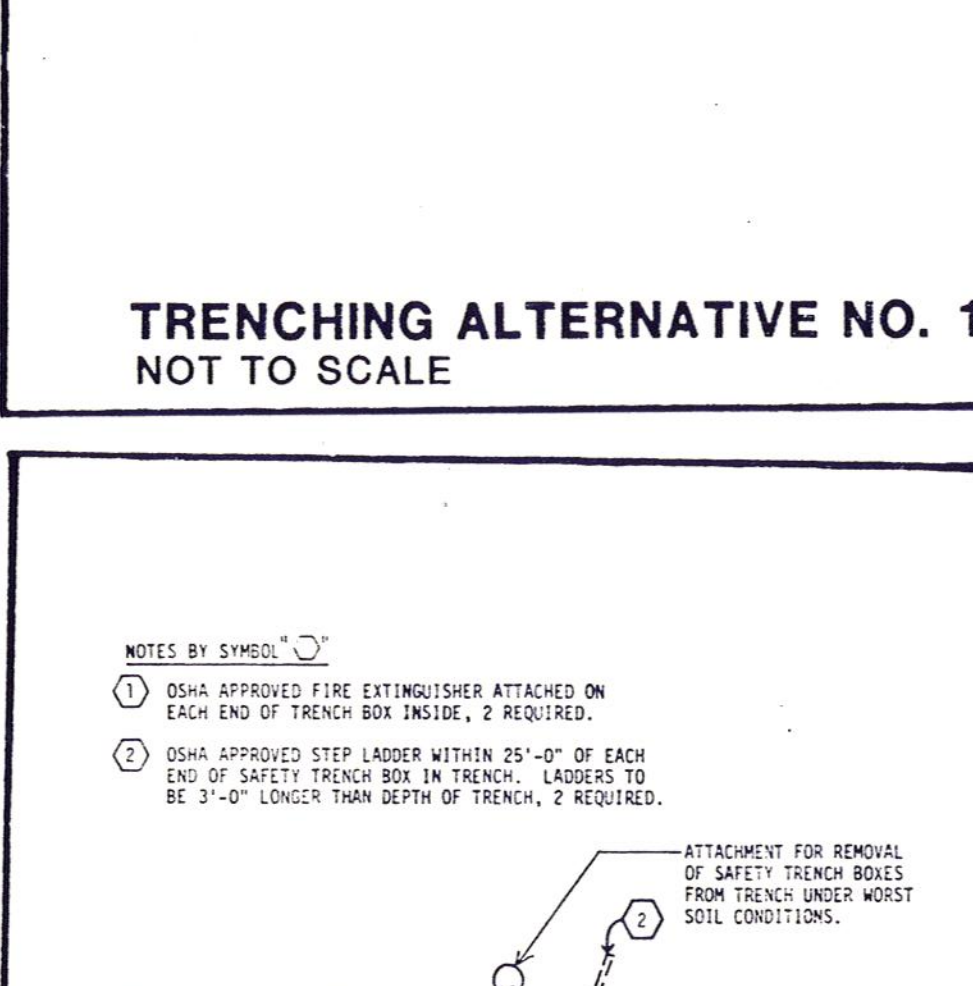
NOTE: 1. UNIT No. 2 OWNER FURNISHED
2. UNIT No. 1 FURNISHED BY MECH CONTR.

'REFG'D. AIR DRYER / AFTER COOLER'

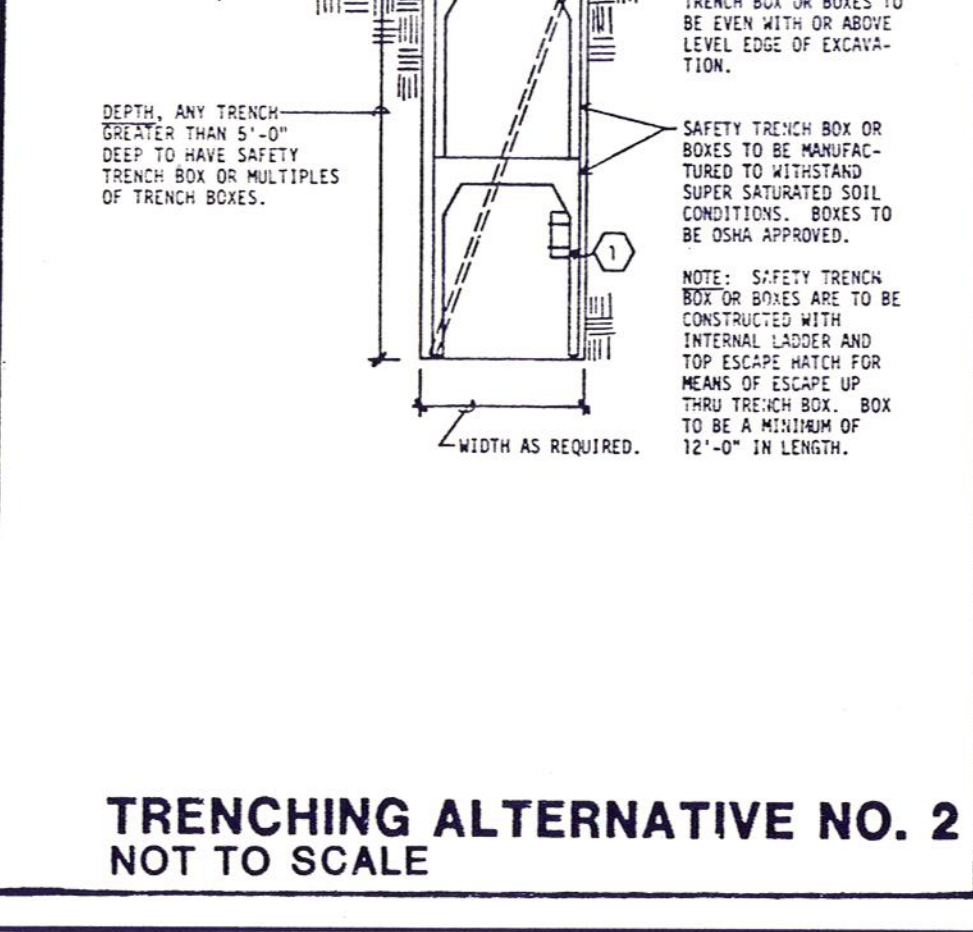
CAP (GPM)	DEW POINT TEMP. °F	WORK PRESS	HP	ELEC. V, P, CY	MANUF.	MODEL NO
25	35	175	1/3	115V, 1Ø	HANKISON	8025



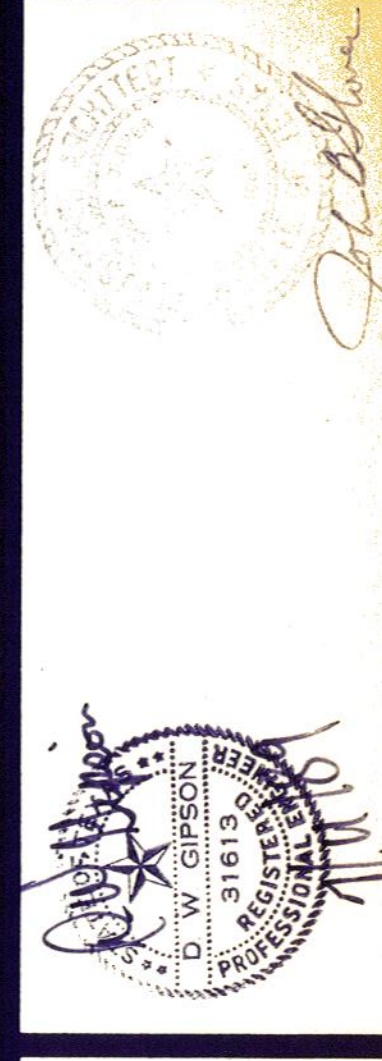
TRENCHING ALTERNATIVE NO. 1 NOT TO SCALE



TRENCHING ALTERNATIVE NO. 2 NOT TO SCALE



DRIP LEG DETAIL NOT TO SCALE



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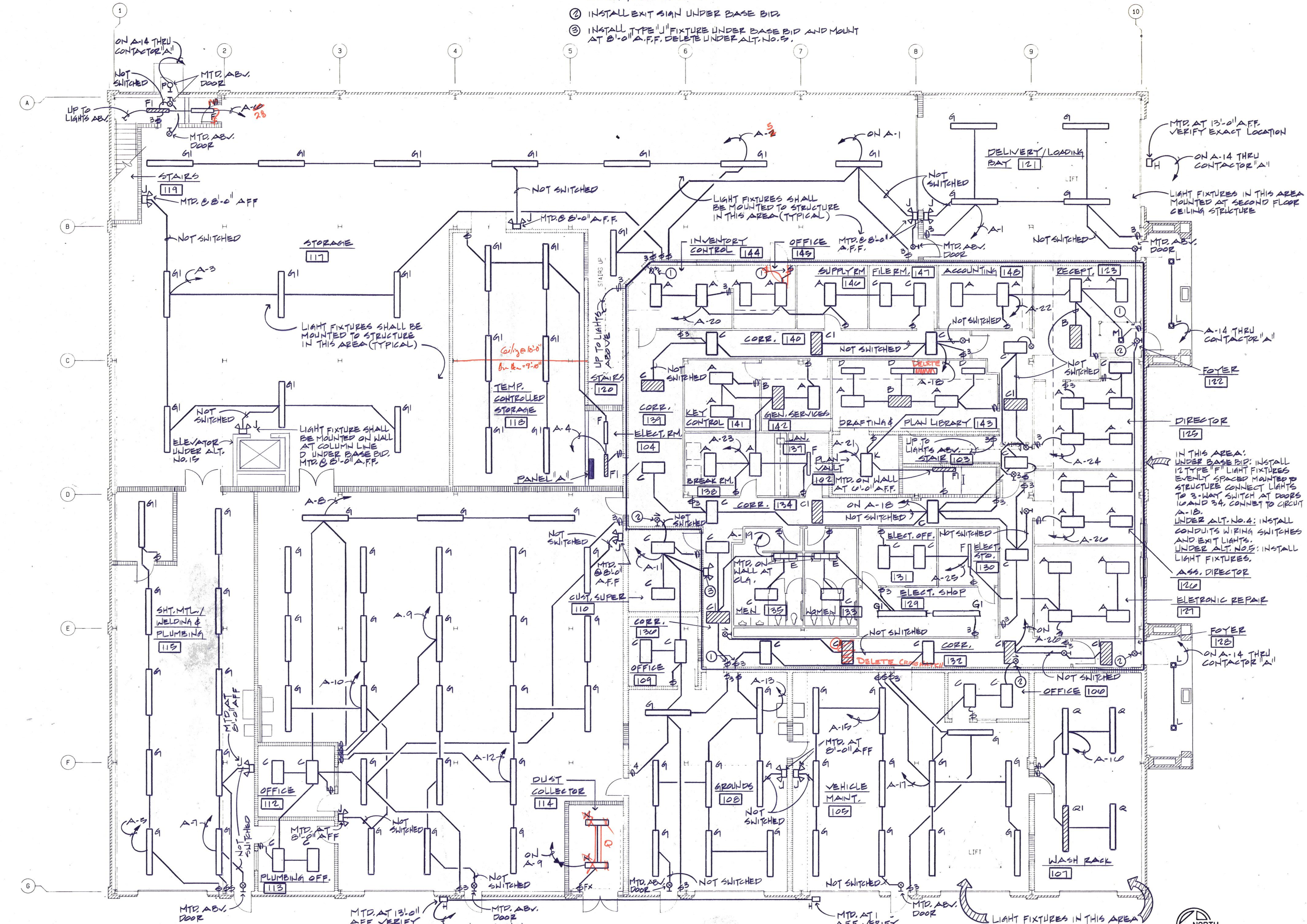
A New Maintenance Facility
DANIEL BUILDING
Midwestern State University
Wichita Falls, Texas

DUSSM

DRAWN W.D.M.JR
CHECKED D.N.G.
DATE JULY 15, 1989
JOB NUMBER 8907
SHEET

NOTES BY SYMBOL

- 1 INSTALL SWITCH BOX AND SWITCH UNDER BASE BID. STUB CONDUIT UP TO ABOVE PROPOSED CEILING HEIGHT FOR ALT. NO. 4.
- 2 INSTALL EXIT SIGN UNDER BASE BID.
- 3 INSTALL TYPE "J" FIXTURE UNDER BASE BID AND MOUNT AT 8'-0" A.F.F. DELETE UNDER ALT. NO. 5.



1 FIRST FLOOR PLAN - LIGHTING

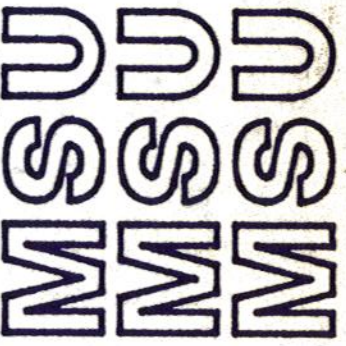
1/8" = 1'-0"





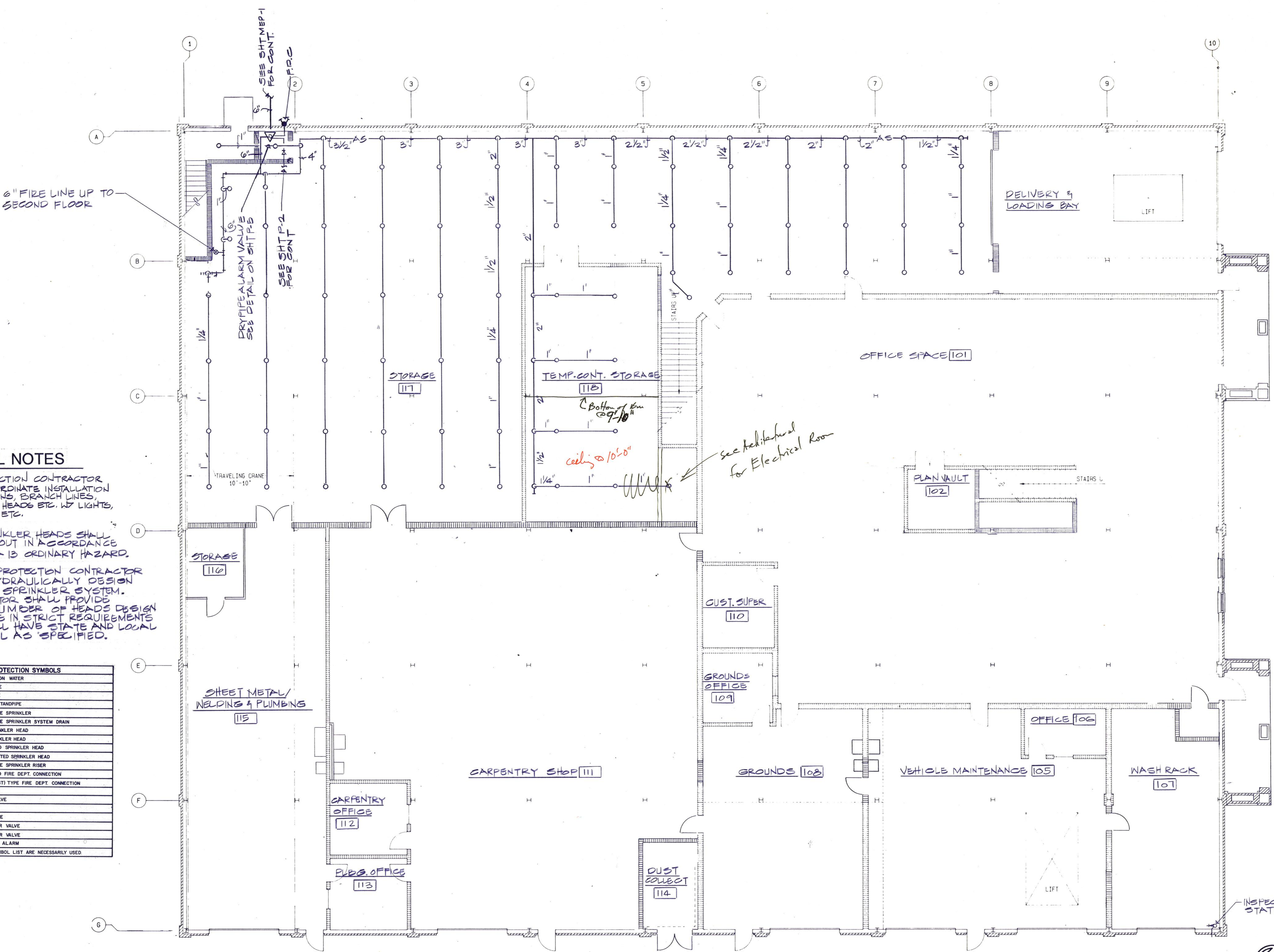
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 ARCHITECTS & ENGINEERS
 31613
 1807 BROOK WICHITA FALLS, TEXAS 75301
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A New Maintenance Facility
DANIEL BUILDING
 Midwestern State University
 Wichita Falls, Texas



DRAWN W.D.M. JR.
 CHECKED D.W.C.
 DATE JULY 16, 1989
 JOB NUMBER 0907

SHEET
FP-1
 OF 2FP, VOLUME II



GENERAL NOTES

1. FIRE PROTECTION CONTRACTOR SHALL COORDINATE INSTALLATION OF FIRE MAINS, BRANCH LINES, SPRINKLER HEADS ETC. W/ LIGHTS, DUCTWORK ETC.
2. FIRE SPRINKLER HEADS SHALL BE LAYED OUT IN ACCORDANCE WITH NFPA 13 ORDINARY HAZARD.
3. THE FIRE PROTECTION CONTRACTOR SHALL HYDRAULICALLY DESIGN BUILDING SPRINKLER SYSTEM. CONTRACTOR SHALL PROVIDE PROPER NUMBER OF HEADS DESIGN SHALL BE IN STRICT REQUIREMENTS AND SHALL HAVE STATE AND LOCAL APPROVAL AS SPECIFIED.

FIRE PROTECTION SYMBOLS	
—	FIRE PROTECTION WATER
—WSP—	WET STANDPIPE
—DSP—	DRY STANDPIPE
—CSP—	COMBINATION STANDPIPE
—AS—	AUTOMATIC FIRE SPRINKLER
—ASD—	AUTOMATIC FIRE SPRINKLER SYSTEM DRAIN
○	PENDANT SPRINKLER HEAD
○	UPRIGHT SPRINKLER HEAD
○	FLUSH MOUNTED SPRINKLER HEAD
○	SIDEWALL MOUNTED SPRINKLER HEAD
○	AUTOMATIC FIRE SPRINKLER RISER
○	WALL MOUNTED FIRE DEPT. CONNECTION
○	SIDEWALK (POST) TYPE FIRE DEPT. CONNECTION
○	FIRE HYDRANT
○	FIRE HOSE VALVE
○	ALARM VALVE
○	DRY-PIPE VALVE
○	WALL INDICATOR VALVE
○	POST INDICATOR VALVE
○	WATER MOTOR ALARM

ALL SYMBOLS SHOWN IN SYMBOL LIST ARE NECESSARILY USED.

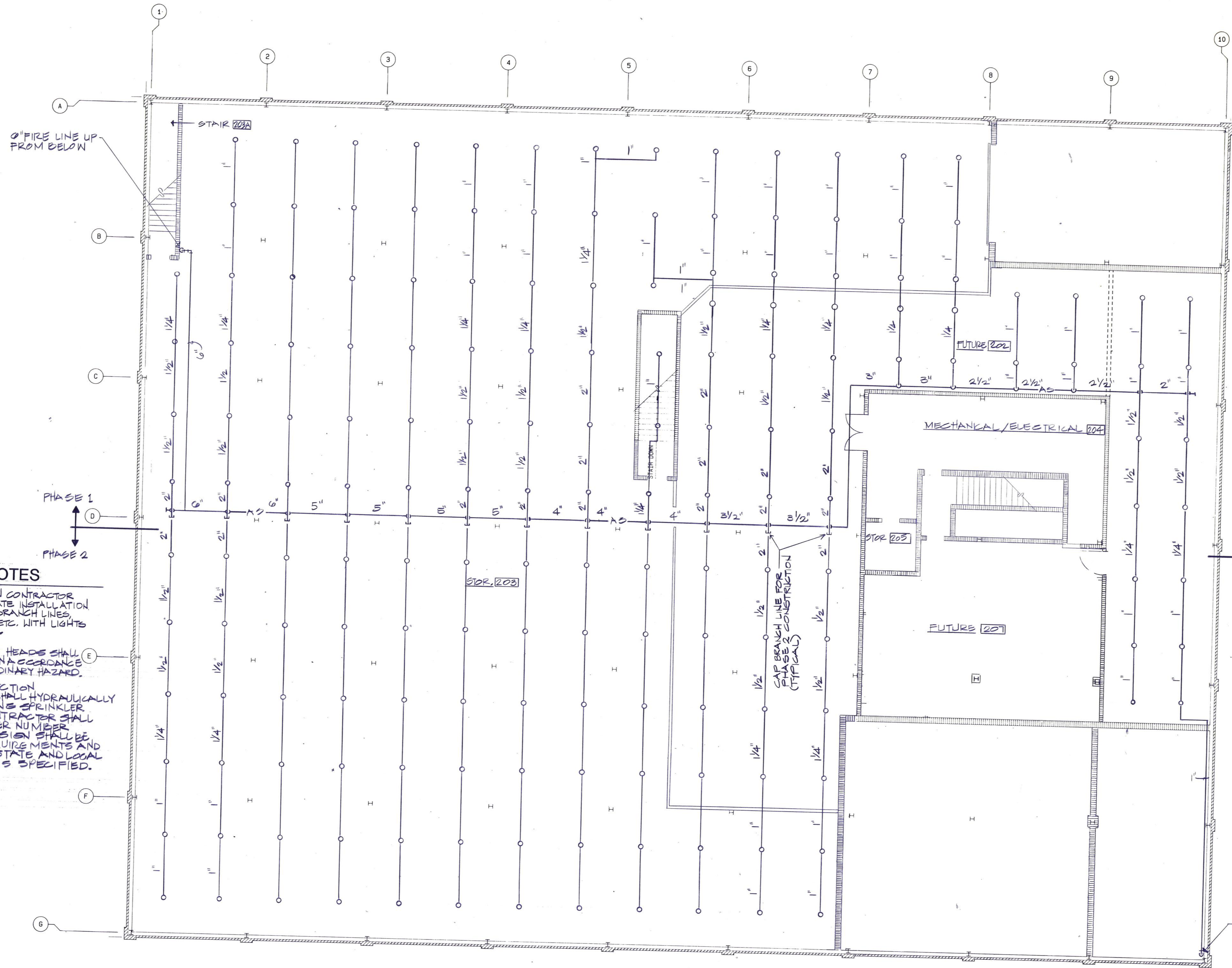
FIRST FLOOR PLAN - FIRE PROTECTION

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

PLOTTED: MAY 3, 1989



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 FAI PROJECT NO. 8904.00



0" FIRE LINE UP FROM BELOW

PHASE 1
PHASE 2

PHASE 1
PHASE 2

GENERAL NOTES

1. FIRE PROTECTION CONTRACTOR SHALL COORDINATE INSTALLATION OF FIRE MAINS, BRANCH LINES, SPRINKLER HEAD ETC. WITH LIGHTS & DUCTWORK ETC.
2. FIRE SPRINKLER HEADS SHALL BE LAYED OUT IN ACCORDANCE WITH NFPA 13 ORDINARY HAZARD.
3. THE FIRE PROTECTION CONTRACTOR SHALL HYDRAULICALLY DESIGN BUILDING SPRINKLER SYSTEM. CONTRACTOR SHALL PROVIDE PROPER NUMBER OF HEADS. DESIGN SHALL BE IN STRICT REQUIREMENTS AND SHALL HAVE STATE AND LOCAL APPROVALS AS SPECIFIED.

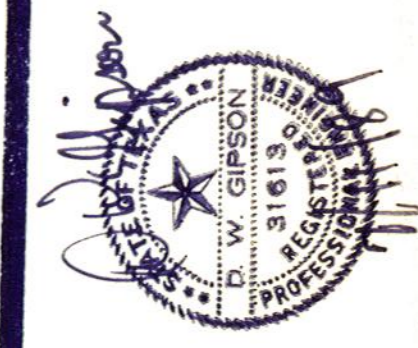
SECOND FLOOR PLAN - FIRE PROTECTION
SCALE: 1/8" = 1'-0"



PLOTTED: MAY 3, 1989

FRIBERG ASSOCIATES INC.
CONSULTING ENGINEERS
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FAI PROJECT NO. 8904400

7-18-89



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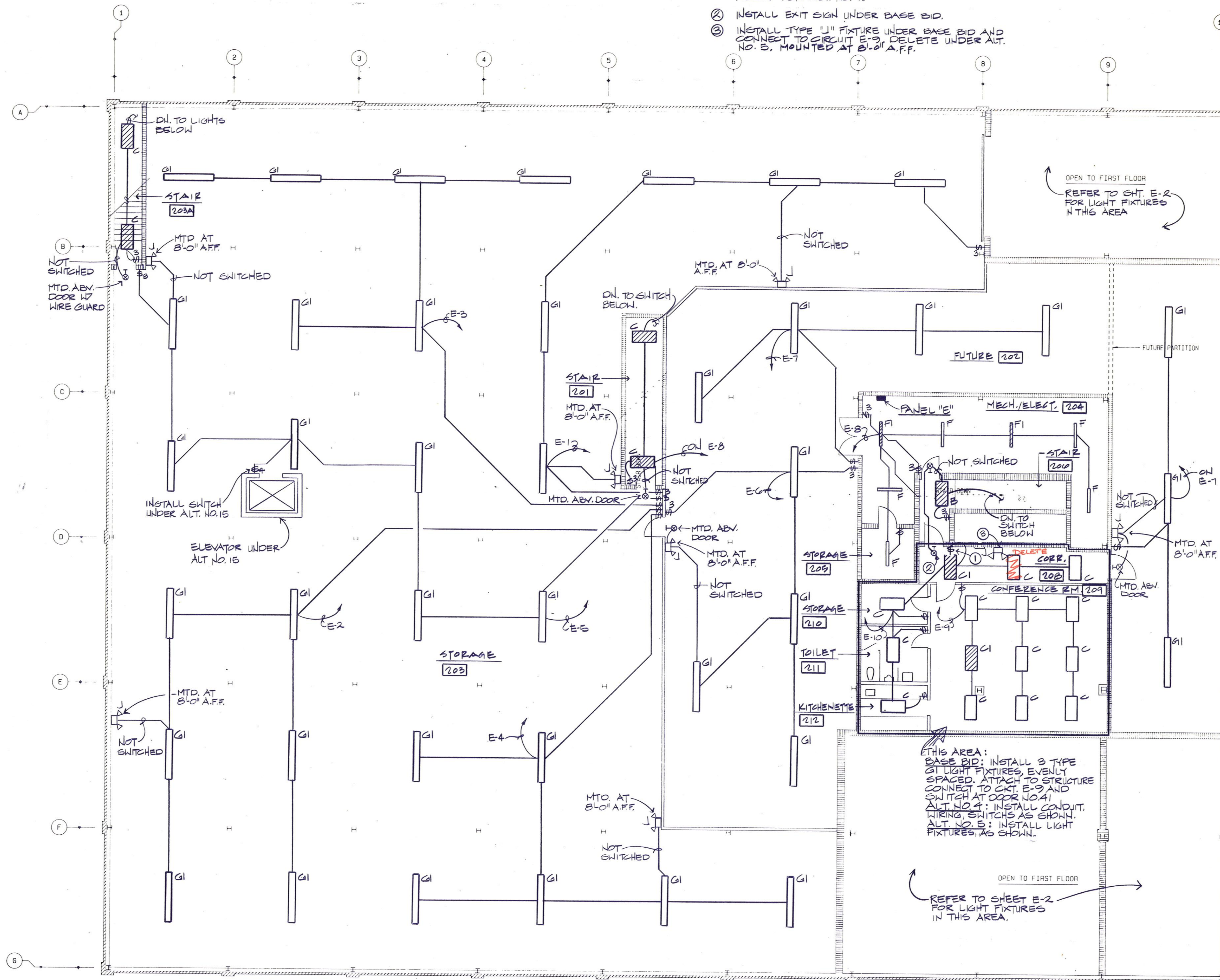


DRAWN W.D.M. JR.
CHECKED DWG
DATE JULY 11, 1987
JOB NUMBER 8907

SHEET
FP-2
OF 2FP, VOLUME II

NOTES BY SYMBOL

- ① INSTALL SWITCH BOX AND SWITCH UNDER BASE BID. STUB CONDUIT UP TO ABOVE PROPOSED CEILING HEIGHT FOR ALT. NO. 4.
- ② INSTALL EXIT SIGN UNDER BASE BID.
- ③ INSTALL TYPE "J" FIXTURE UNDER BASE BID AND CONNECT TO CIRCUIT E-9. DELETE UNDER ALT. NO. 5. MOUNTED AT 8'-0" A.F.F.



1 SECOND FLOOR PLAN - LIGHTING

1/8" = 1'-0"



PLOTTED: MAY 3, 1989

FRIBERG ASSOCIATES INC.
CONSULTING ENGINEERS
P.O. BOX 2080 • FORT WORTH, TEXAS 76115-2080
FAI PROJECT NO. 8904400

DRAWN J.M.
CHECKED J.C.
DATE JULY 11, 1989
JOB NUMBER 8907

SHEET
E-3
OF 9 E VOLUME II

A New Maintenance Facility
DANIEL BUILDING
Midwestern State University
Wichita Falls, Texas

Daugherty & Glover, Inc.
ARCHITECTS
CONSULTANTS
1807 BROOK WICHITA FALLS, TEXAS 76301
817-323-9015



NOTES BY SYMBOL

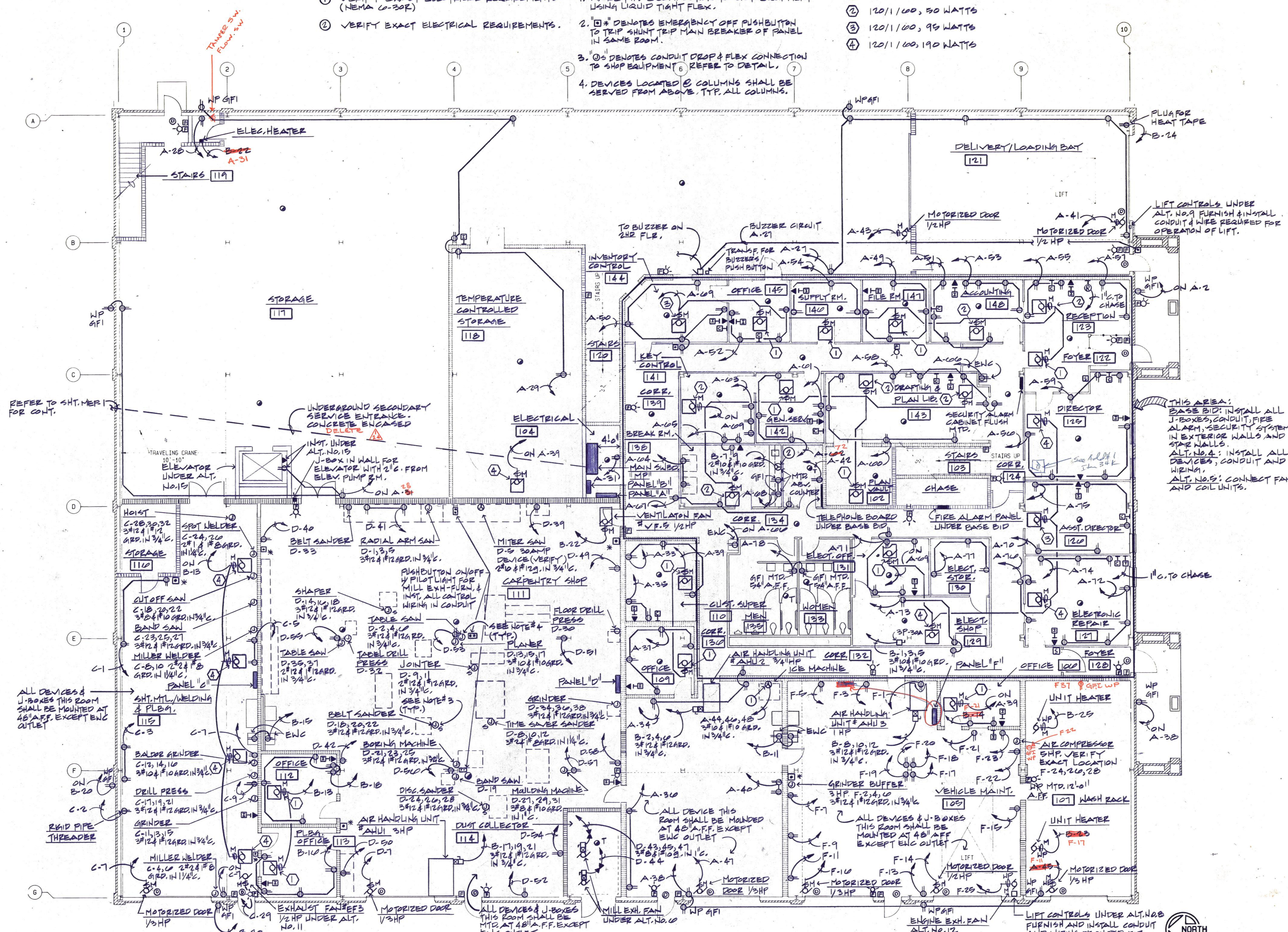
- ① VERIFY EXACT ELECTRICAL REQUIREMENTS (NEMA C-30R)
- ② VERIFY EXACT ELECTRICAL REQUIREMENTS.

GENERAL NOTES

- 1. MAKE FINAL CONNECTION TO SHOP EQUIPMENT USING LIQUID TIGHT FLEX.
- 2. "E" DENOTES EMERGENCY OFF PUSHBUTTON TO TRIP SHUNT TRIP MAIN BREAKER OF PANEL IN SAME ROOM.
- 3. "O" DENOTES CONDUIT DROP & FLEX CONNECTION TO SHOP EQUIPMENT REFER TO DETAIL.
- 4. DEVICES LOCATED @ COLUMNS SHALL BE SERVED FROM ABOVE. TYP. ALL COLUMNS.

ROOM FAN & COIL UNIT SCHEDULE

- ① 120/1/00, 50 WATTS
- ② 120/1/00, 50 WATTS
- ③ 120/1/00, 95 WATTS
- ④ 120/1/00, 190 WATTS



1 FIRST FLOOR PLAN - POWER & SPECIAL SYSTEMS

1/8" = 1'-0"

PLOTTED: MAY 3, 1989



FRIBERG ASSOCIATES INC.
CONSULTING ENGINEERS
P.O. BOX 2080 • FORT WORTH, TEXAS 76113-2080
FAI PROJECT NO. 8904.00



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(817) 323-3013

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DANIEL BUILDING
Midwestern State University
Wichita Falls, Texas



DRAWN S.G.
CHECKED J.C.
DATE JULY 11, 1989
JOB NUMBER 8901
SHEET

E-4
OF 9E VOLUME II