

DESIGN CRITERIA	
LIVE LOADS	
ROOF	20 PSF
FLOOR (PLATFORM)	100 PSF
WIND	115 MPH
SEISMIC	ZONE 1
TERRAZZO	HORIZONTAL 50 PSF
WIND FORCES GOVERN	
STRUCTURAL STEEL	ASTM A-36
SPECIFICATION CONFORMANCE	AISC
WELDING ELECTRODES	E70XX
SHOP DRAWINGS & CALCULATIONS	REQ'D SUB

PAINT SPECIFICATIONS (EXTERIOR)	
BLAST CLEAN IN ACCORDANCE WITH SSPC-SP6	
PRIMER: FED. SPEC. TT-P-645 - ONE CT. 1.0 MIL ZINC CHROMATE ALKYD TYPE	
FINISH: FED. SPEC. TT-C-489 - ALKYD GLOSS ENAMEL TWO CT'S. 1.0 MIL EA.	
PRETREAT WITH CRYSTALLINE PHOSPHATE BASE COATING TO FED. SPEC. TT-C-490 - APPLY ONLY TO BLAST CLEANED BARE METAL	

NO.	DATE	DESCRIPTION	APPROVED
1	8-12-88	added pretreatment chg. by	11

REVISIONS

W-M SYSTEMS INCORPORATED OF WAUKECHA
 15 W22872 West Bluemound Road, Waukecha, Wisconsin 53186

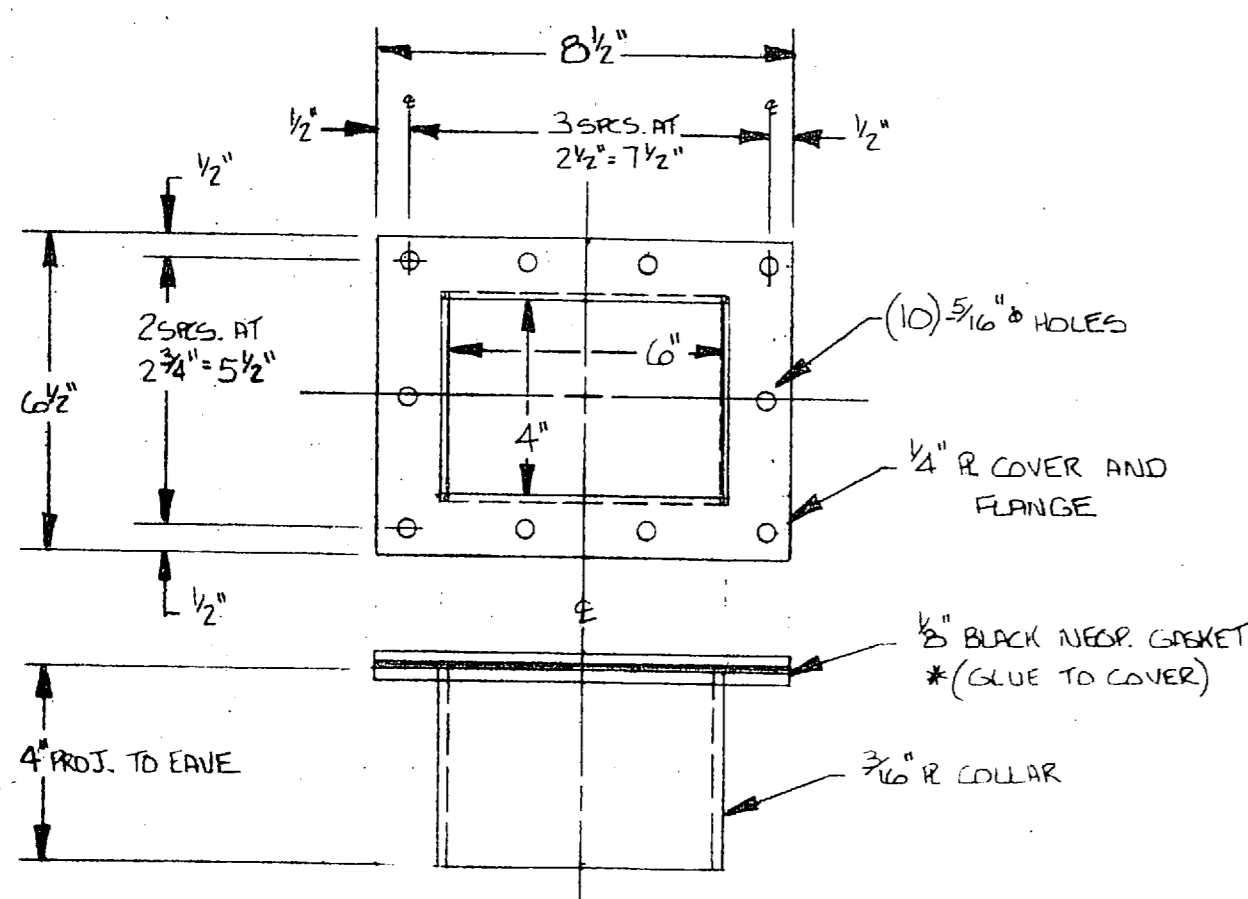
SCALE	APPROVED BY	REQ. NO.	DRAWN BY
1/2" = 1'-0"	071483		11/17

DATE: REVISED: 1

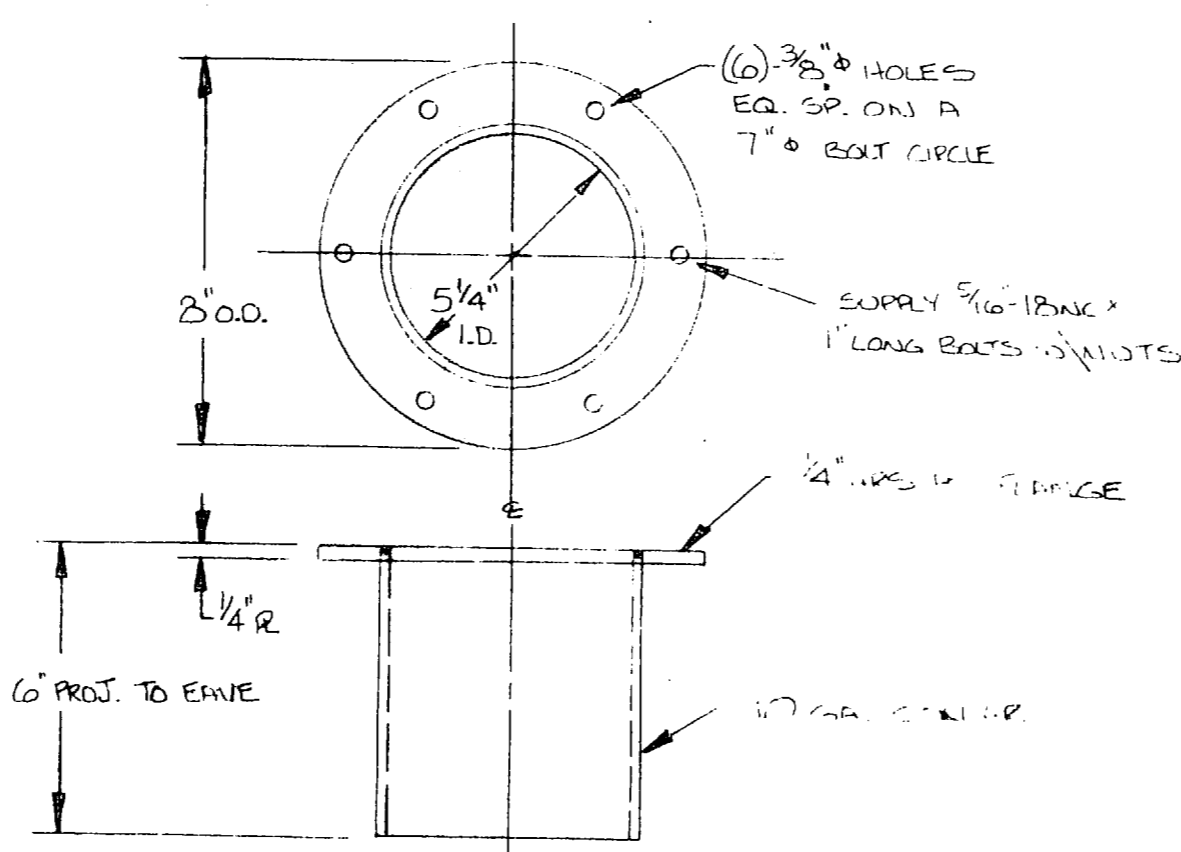
ASSY - 6'-0" DIA. HYD. LIME RECEIVING HOPPER

FOR:	DRAWING NUMBER
NEW RIVER WATER TR. PLANT	C-645-3003-1

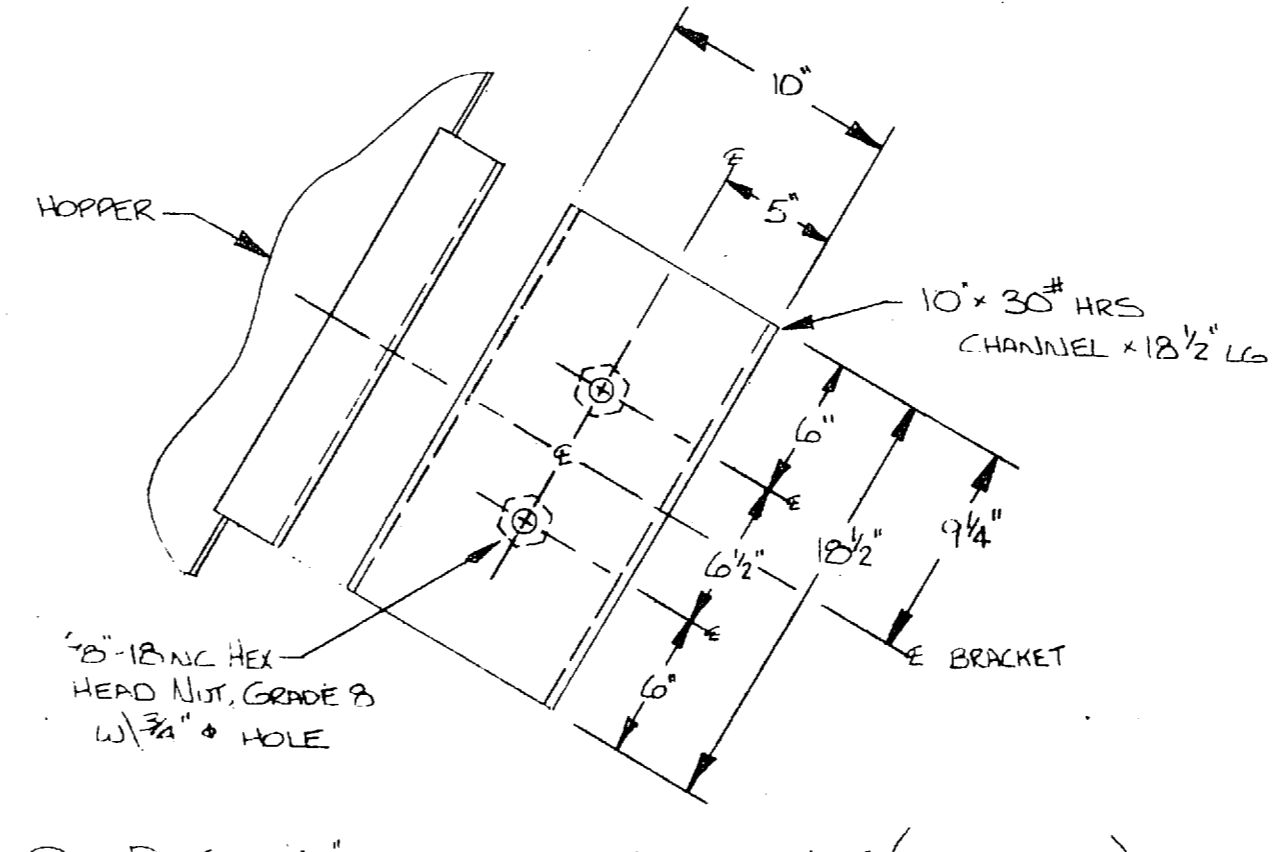
REV. 1



9 DETAIL "C" 4" x 6" RECT. FLANGE W/ COVER, GASKET & BOLTS
SCALE: 3/4" = 1'-0"

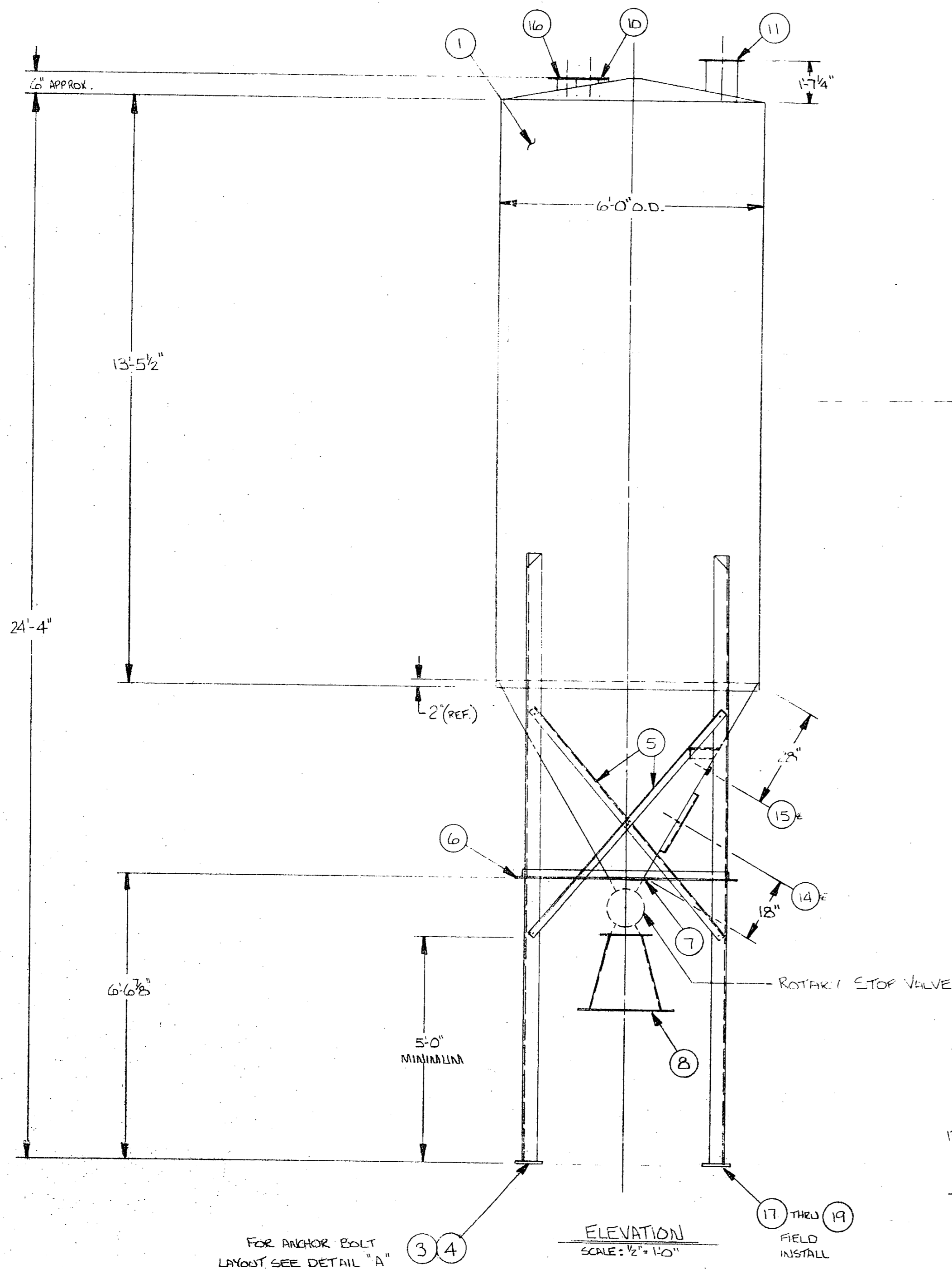


10 DETAIL "D" LEVEL INDICATOR MOUNTING FLANGE
SCALE: 3/4" = 1'-0"

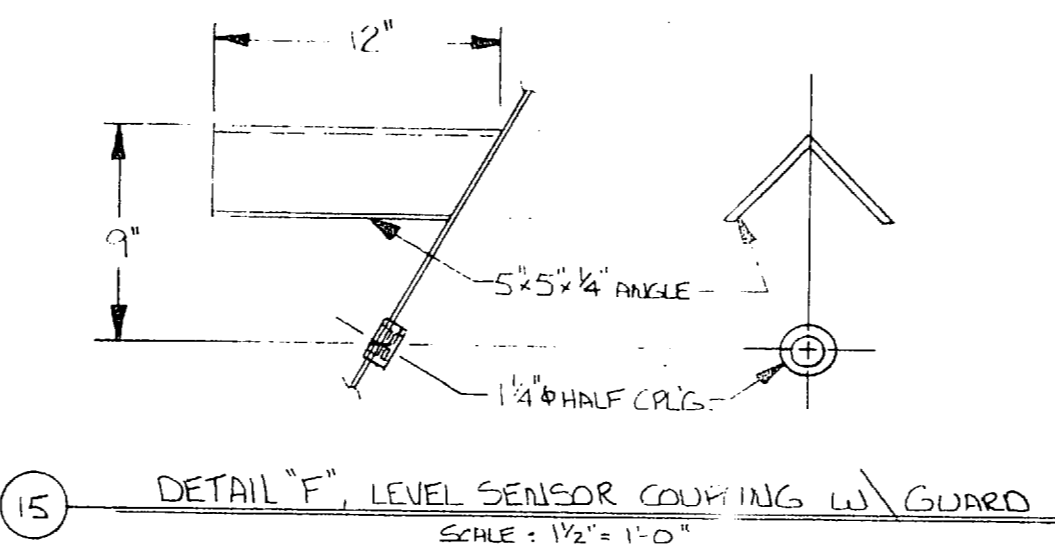


14 DETAIL "E" HOPPER MOUNTING BRACKET (40P ERIE)
SCALE: 1/2" = 1'-0"

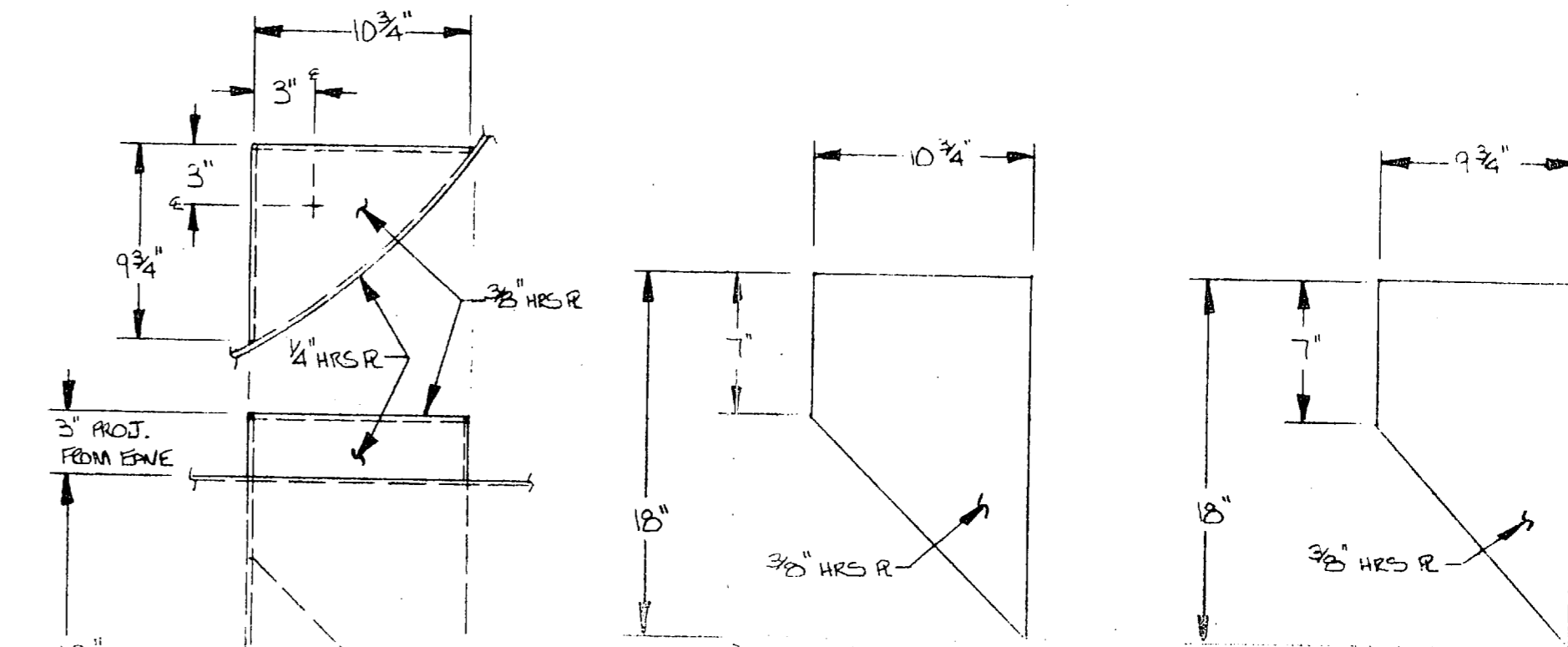
ITEM	QTY	PART NO.	DESCRIPTION
1	1	11890	TOP CONE, CYLINDER AND HOPPER (1/4" PLATE)
2	4	223-0001Z2	SMALL LIFT-HAUL LOGS
3	4	-----	TANK LEGS, 4" x 4" x 3/8" HRS ANGLE x 14'-0" LG (MITER & CAP)
4	4	DETAIL "M"	BASE PLATES, 6" x 10" x 1/2" HRS PLATE 1" DIAMETER HOLES
5	8	-----	"X" BRACES, 2" x 2" x 3/16" HRS ANGLE x 6'-9" LONG
6	4	-----	"L" BRACES, 2" x 2" x 3/16" HRS ANGLE x 4'-7" LONG
7	1	DETAIL "A"	9 1/2" I.D. DISCHARGE FLANGE WITH BOLTS
8	1	DETAIL "B"	DISCHARGE ADAPTOR WITH BOLTS
9	1	DETAIL "C"	4" x 6" RECT. FLANGE WITH COVER BOLTS AND GASKET AT TOP DECK
10	1	DETAIL "D"	LEVEL INDICATOR MOUNTING FLANGE AT TOP DECK
11	1	DETAIL "H"	PLATE FOR TARGET BOX AT TOP DECK
12	1	DETAIL "I"	3" FILL LINE TARGET BOX WITH BOLTS & GASKET
13	1	DETAIL "G"	PIPE SUPPORT PEDESTAL AT TOP DECK
14	1	DETAIL "E"	VIBRATOR MOUNTING BRACKET (40P ERIE) AT HOPPER
15	1	DETAIL "F"	LEVEL SENSOR COUPLING WITH GUARD AT HOPPER
16a	1	DETAIL "N"	4" x 150" FLANGE AT TOP DECK
17	B	-----	3/4" LONG x 2" LG. HEX HEAD CAPSCREWS
18	16	-----	3/4" x 1/2" FLATWASHERS
19	B	-----	3/4" LONG HEX NUTS



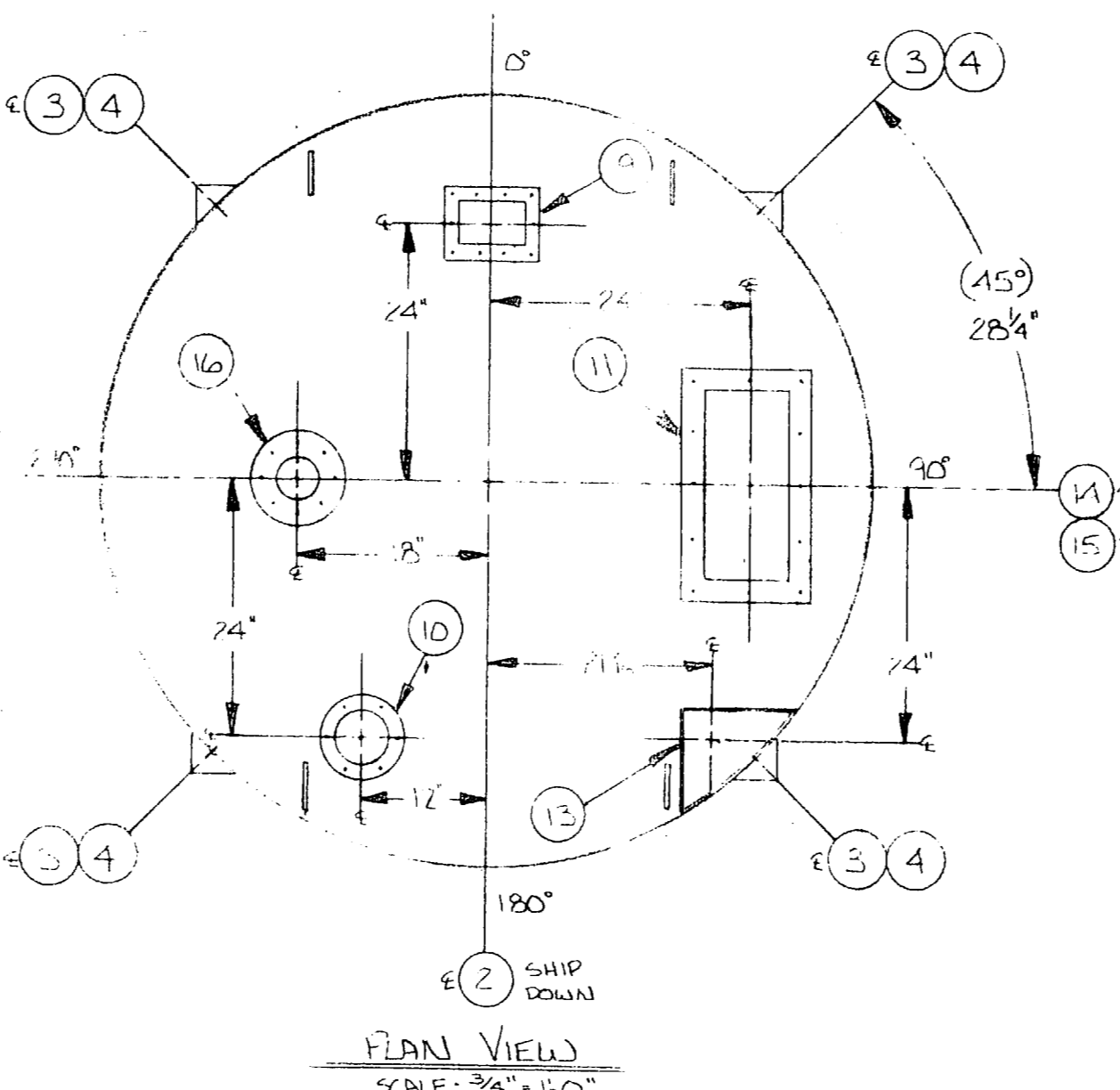
ELEVATION
SCALE: 1/2" = 1'-0"



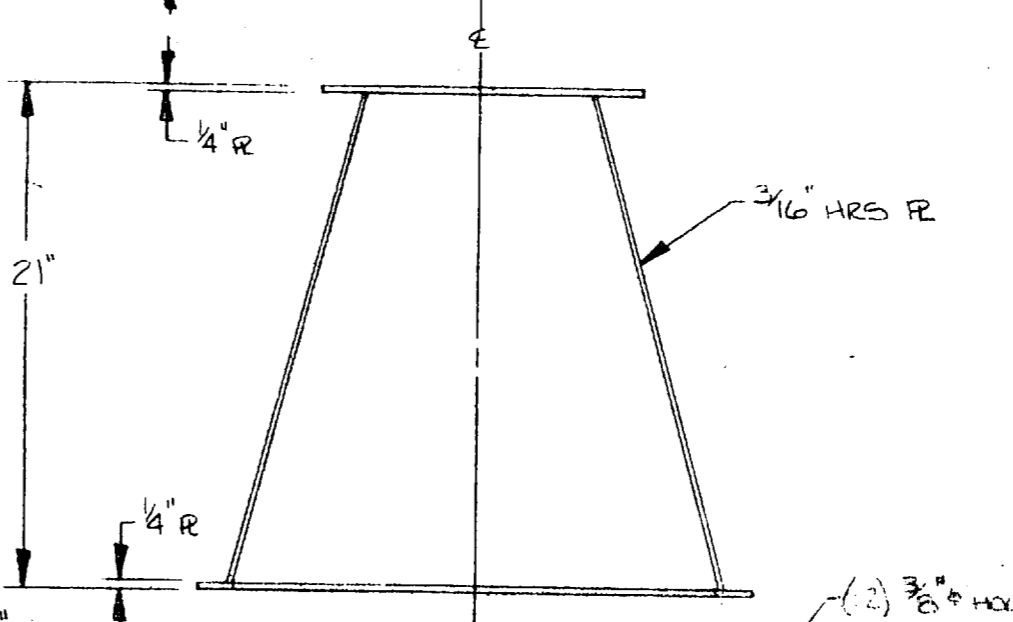
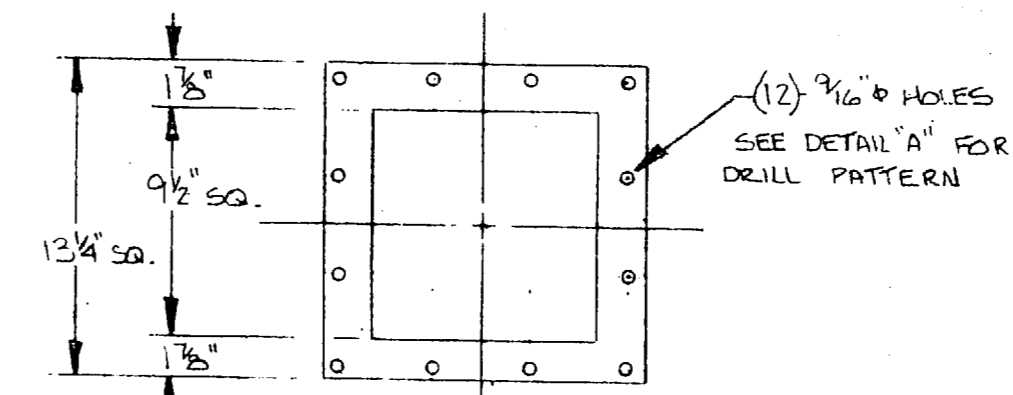
15 DETAIL "F" LEVEL SENSOR COUPLING WITH GUARD
SCALE: 1/2" = 1'-0"



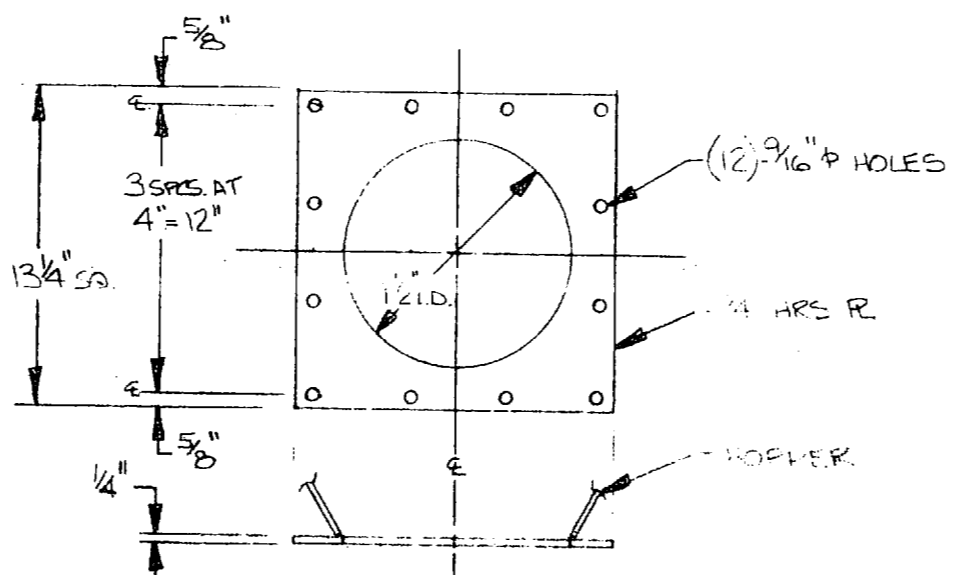
13 DETAIL "G" PIPE SUPPORT PEDESTAL
SCALE: 1/2" = 1'-0"



PLAN VIEW
SCALE: 3/4" = 1'-0"



8 DETAIL "B" DISCHARGE ADAPTOR
SCALE: 1/2" = 1'-0"



7 DETAIL "I" 3" FILL LINE TARGET BOX WITH BOLTS & GASKET
SCALE: 1/2" = 1'-0"

WELDING: ALL WELDS TO HAVE 100% PENETRATION.

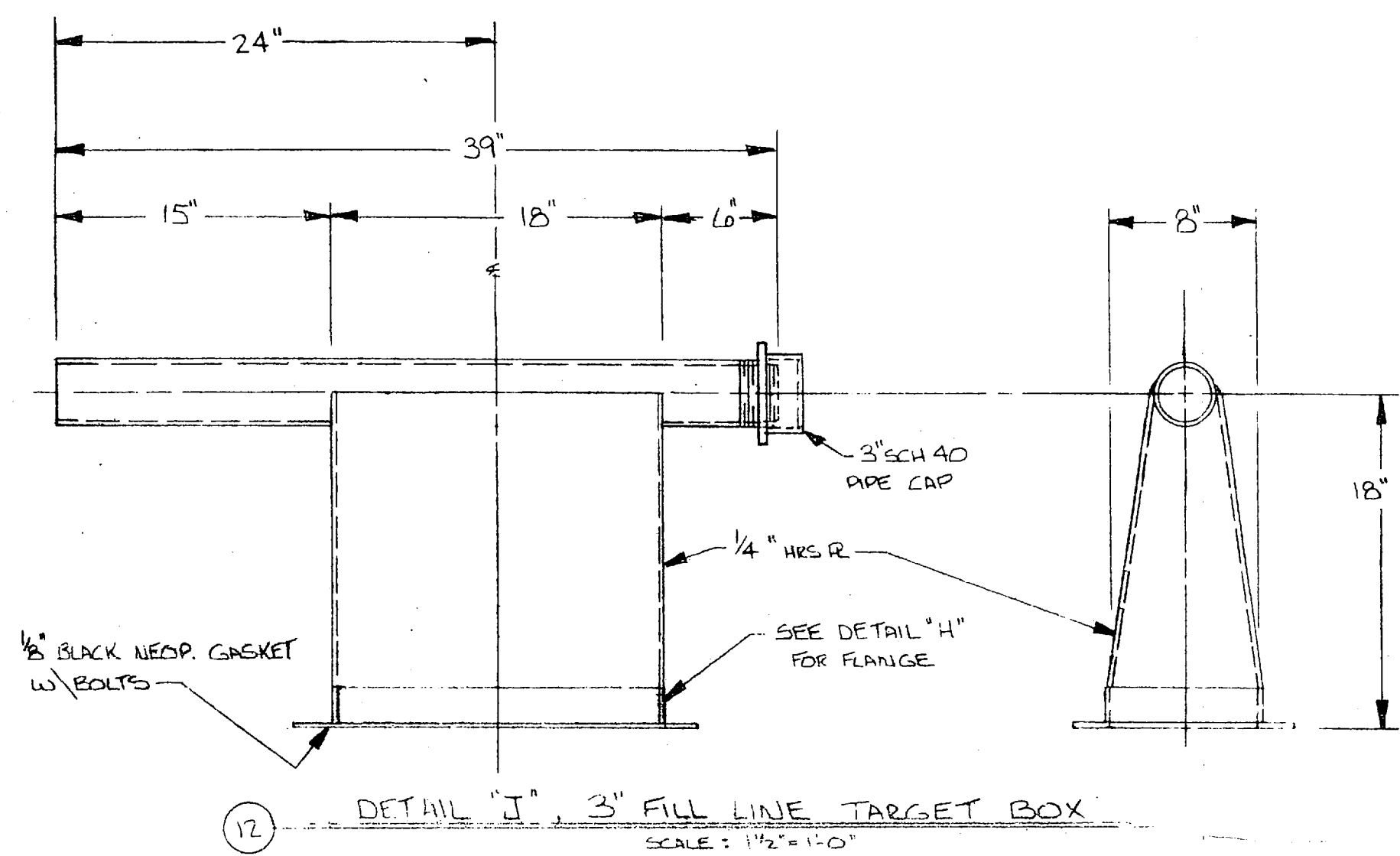
INTERIOR FINISH: CLEAN THOROUGHLY OF ALL FOREIGN MATERIAL AND WELD SPATTER. COVER ALL OPENINGS WITH METAL SHIPPING COVERS. CAUTION: DO NOT SEAL TANK COMPLETELY. SUDDEN CHANGES IN TEMPERATURE OR ATMOSPHERIC PRESSURE MAY CAUSE DAMAGE TO TANK.

EXTERIOR FINISH: "COMMERCIAL BLAST" PER SPEC. SSPC-SP6. CLEAN THOROUGHLY OF ALL FOREIGN MATERIAL AND WELD SPATTER. POWER WASH WITH OAKITE CRYSTAL 287. APPLY PRIME COAT OF RUSTOLEUM 960 PRIMER RUST INHIBITIVE 1.0 MILS. D.F.T. APPLY FINISH COATS OF RUSTOLEUM NEW HORIZON FINISH (#2766 HIGH GLOSS WHITE) 2.0 MILS. D.F.T.

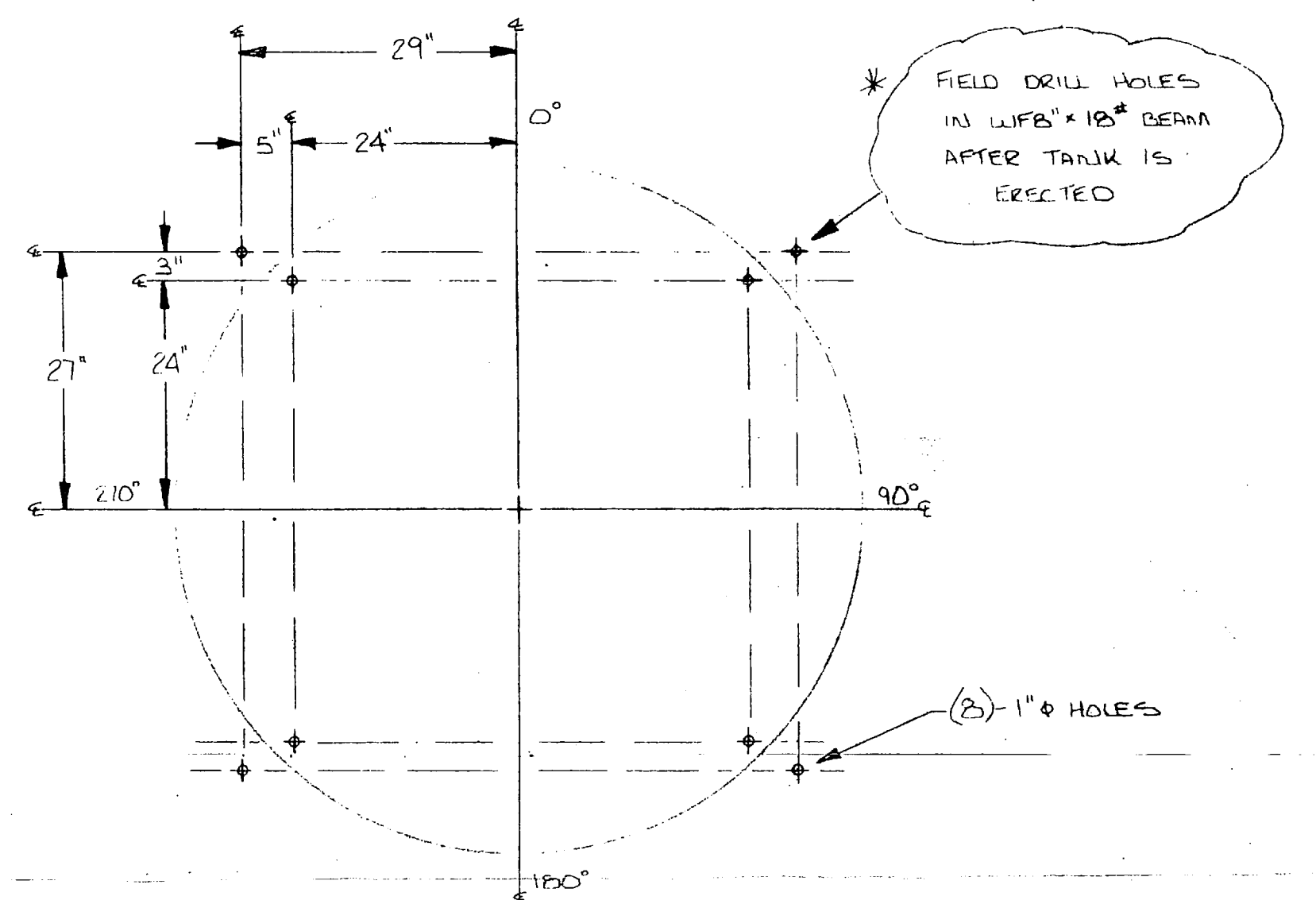
DESIGN NOTES: SEISMIC ZONE I, MAX. WIND LOAD 25 PSF (.65 SHAPE FACTOR)
MAX. DECK LIVE LOAD 30 PSF, MAX MATERIAL DENSITY 60 LBS/FT³
MAX. INTERNAL VACUUM 0.5 OZ/IN², MAX. INTERNAL PRESSURE 20 OZ/IN²
CAPACITY 410 CUBIC FOOT, SHIPPING WEIGHT 6000 LBS.

TANK GAUGE SCHEDULE	CUTTING SCHEDULE
TOP DECK 1/4" R	L. RAD. S. RAD. CIRC.
BOTTOM CONE 1/4" R	L. RAD. S. RAD. CIRC.
1st CYLINDER 72" OF 1/4" R	CIRC.
2nd CYLINDER 72" OF 1/4" R	CIRC.
3rd CYLINDER 17 1/2" OF 1/4" R	CIRC.
4th CYLINDER OF	CIRC.
5th CYLINDER OF	CIRC.
6th CYLINDER OF	CIRC.

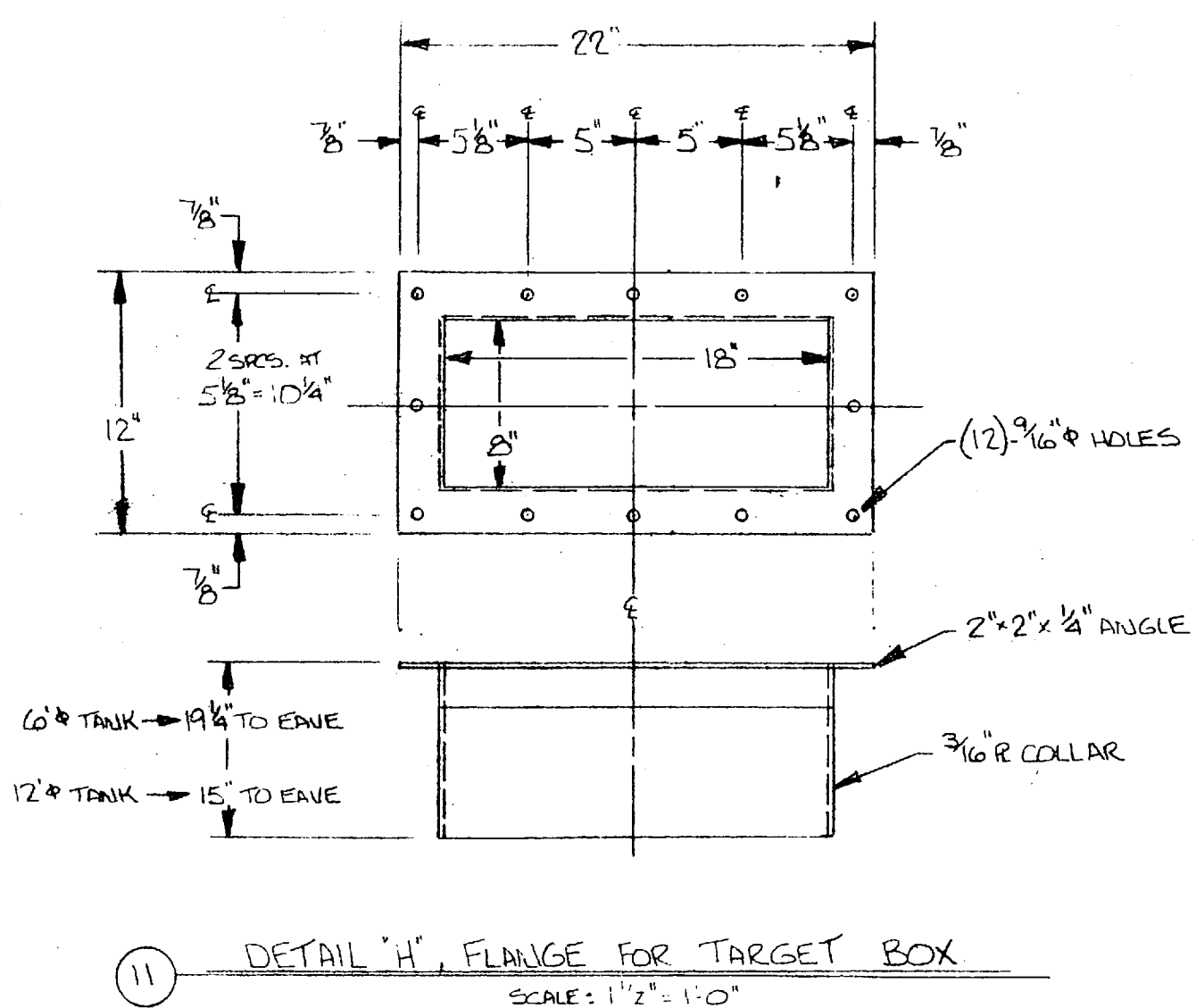
W-M Systems Incorporated			
SCALE: AS NOTED	APPROVED BY:	PROJ. NO.	DRAWN BY: T. NEY
DATE: 9-20-83	REV: 11890-1	071483	REVISED
TANK ASSEMBLY DRAWING			
1) 60" DIA. x 24'-4" HIGH STEEL LEG TANK			
SHIP TO: NEW YORK WATER TOWER COMPANY, NEW YORK, NY			
REV. BY	DATE	DESCRIPTION	DRAWING NUMBER: C646-0006



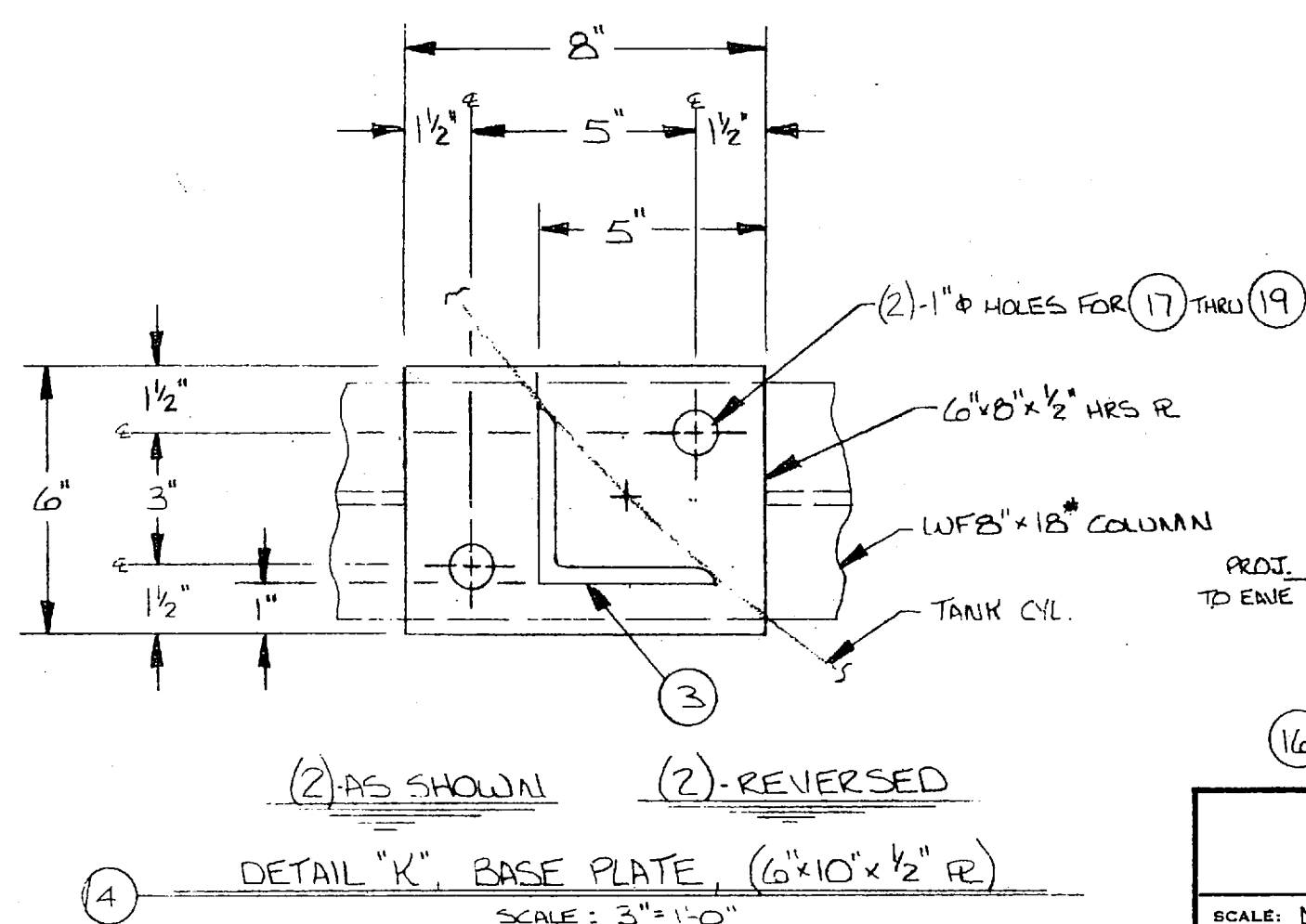
12 DETAIL "J", 3" FILL LINE TARGET BOX
SCALE: 1 1/2" = 1'-0"



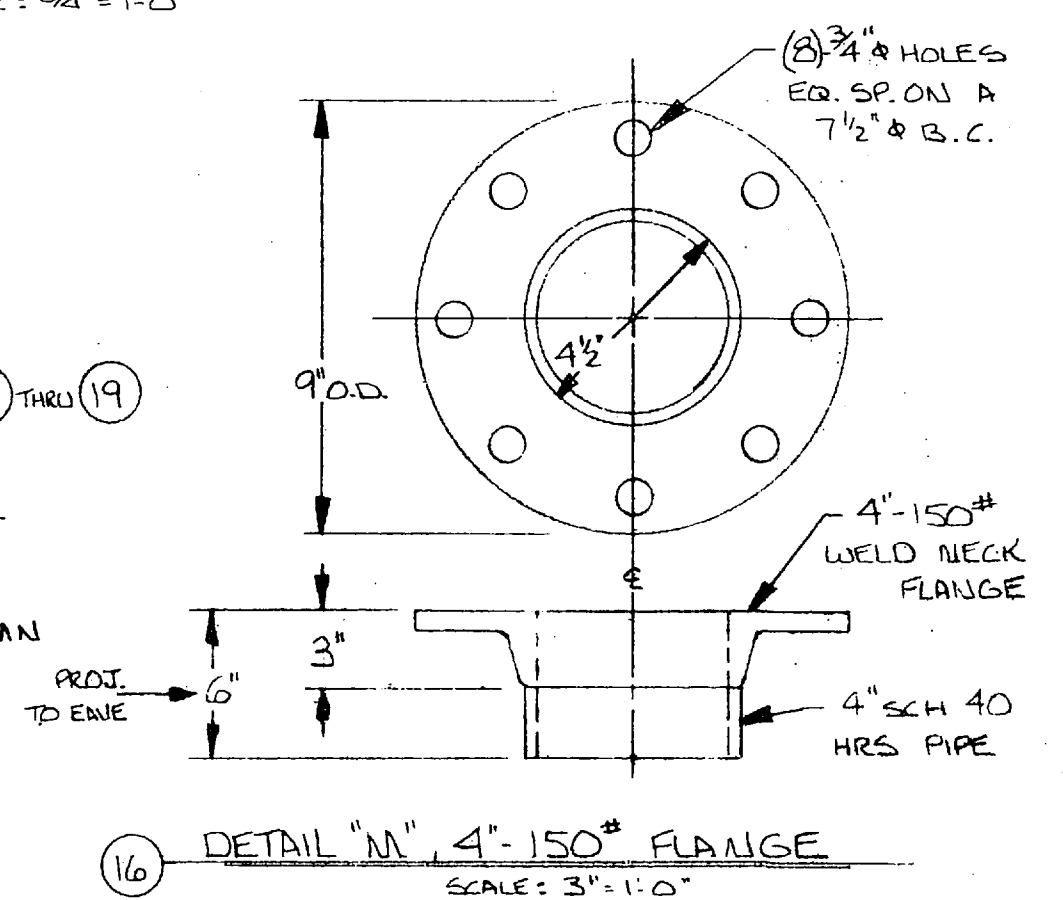
DETAIL "L", ANCHOR BOLT LAYOUT
SCALE: 3/4" = 1'-0"



11 DETAIL "H", FLANGE FOR TARGET BOX
SCALE: 1 1/2" = 1'-0"

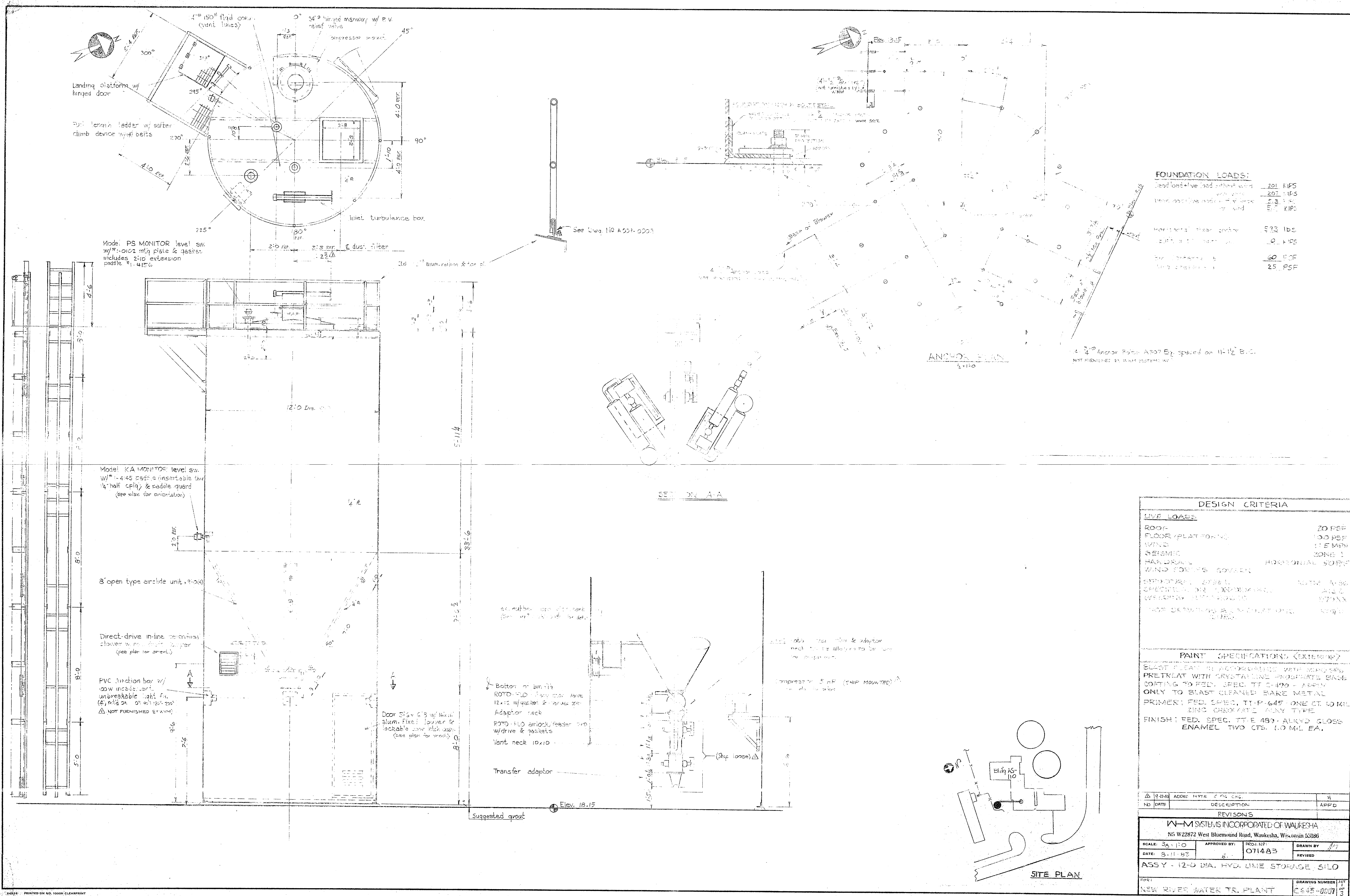


4 DETAIL "K", BASE PLATE, (6"x10"x1/2" F)
SCALE: 3" = 1'-0"



16 DETAIL "M", 4"-150# FLANGE
SCALE: 3" = 1'-0"

SCALE: AS NOTED	APPROVED BY: <i>[Signature]</i>	PROJ. NO. 071483	DRAWN BY T. NEST
DATE: 9-21-83	REF: 11890-2	REVISED	
ACCESSORY DETAIL DRAWING			
SHIP TO: NEW RIVER WATER TR. PLANT CAMP LEJUNE, NC			DRAWING NUMBER C645-0006



FOUNDATION LOADS:

Dead load (live load without wind)	201 KIPS
with wind	207 KIPS
Wind pressure load (with live load)	107 KIPS
Horizontal shear (with live load)	593 lbs
with wind	60 KIPS
with live load	60 KIPS
with wind	25 PSF

DESIGN CRITERIA

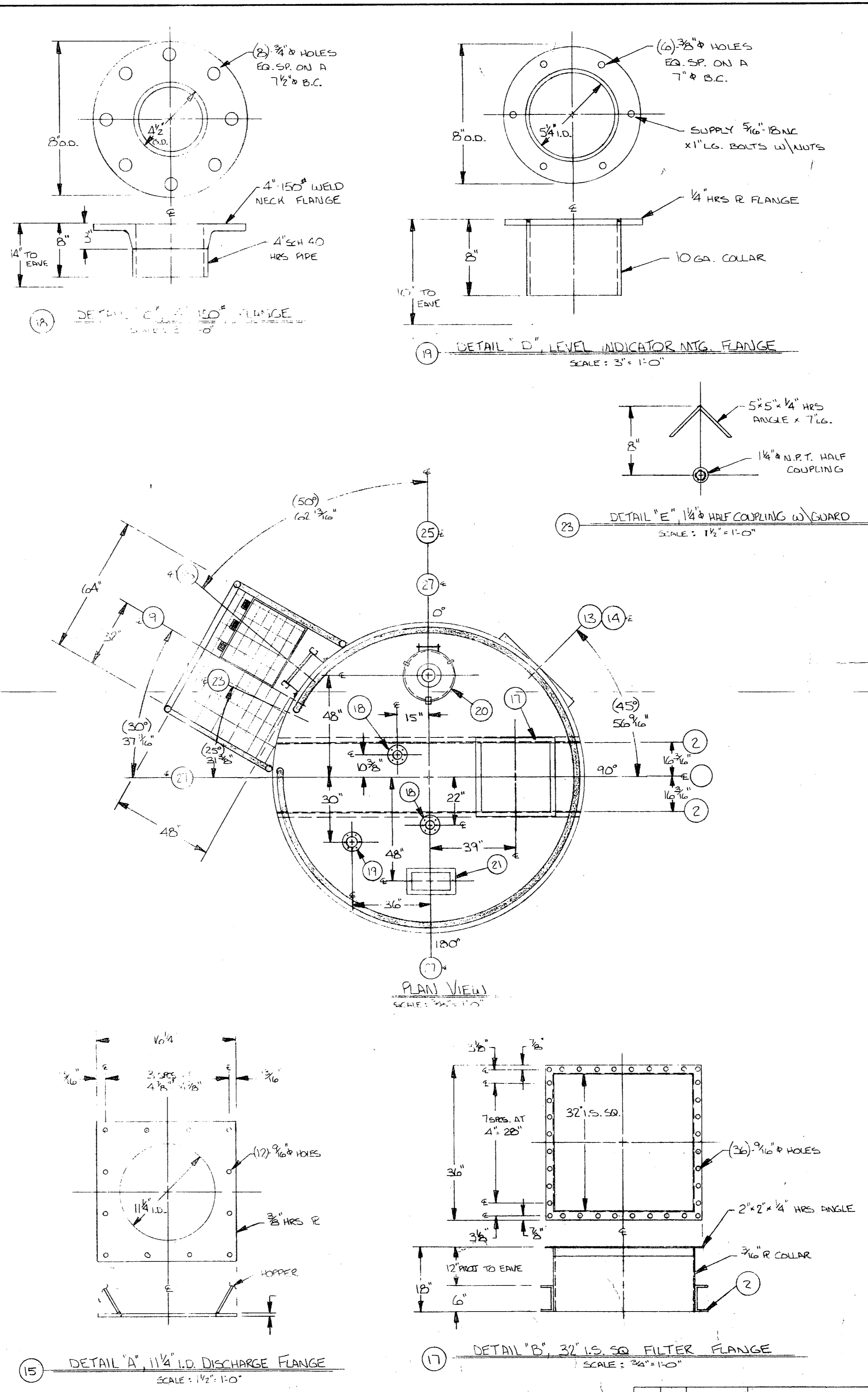
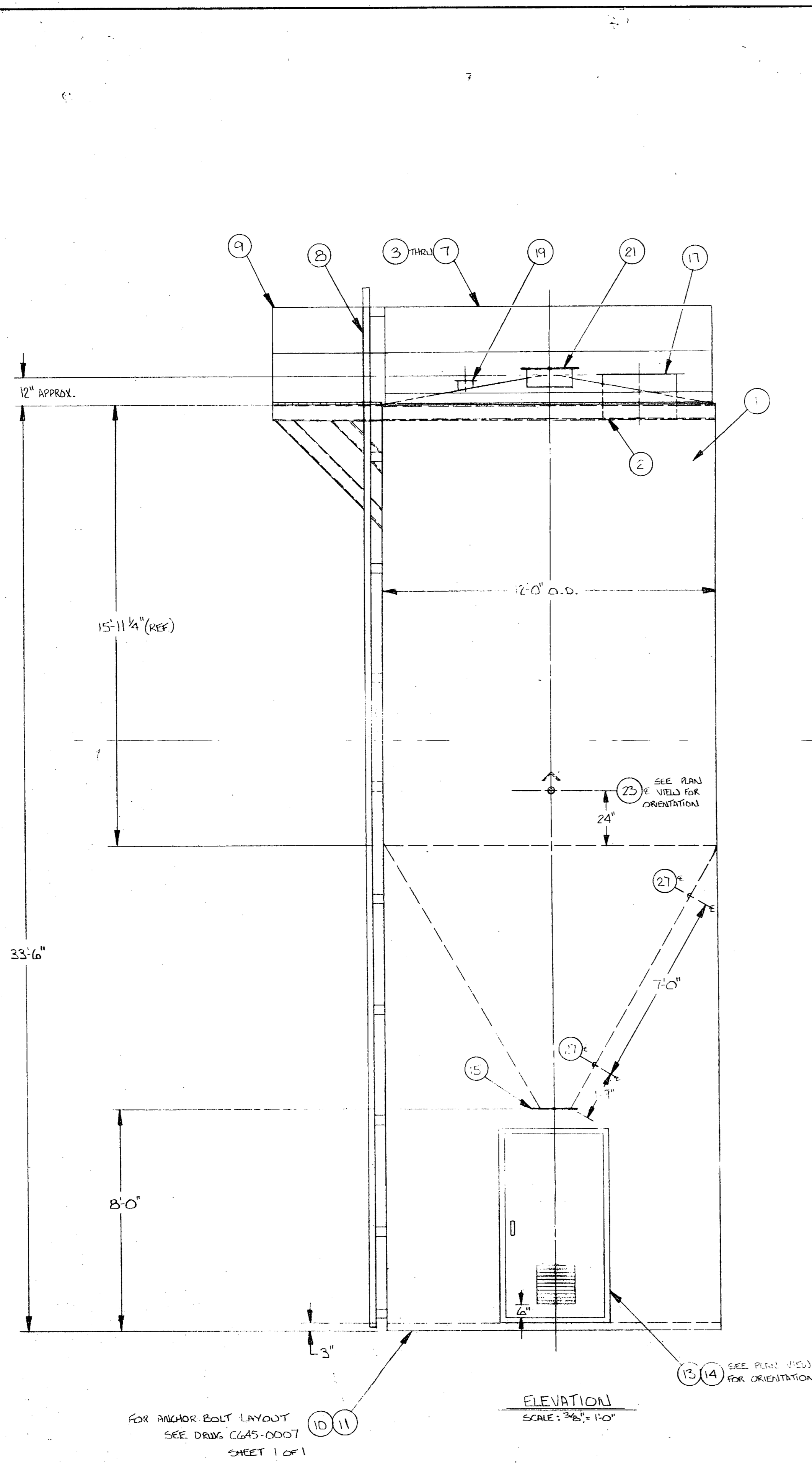
LIVE LOADS	
ROOF	20 PSF
FLOOR (PLATFORM)	30 PSF
WIND	15 MPH
SEISMIC	ZONE 1
HAZ. DRUGS	HORIZONTAL SLOPE
WIND FORCES	GOVERN
STEEL DECK	ASTM A588
SPECIAL COR. CHANNEL	A136
WELDING	A570XX
NOT DIMENSIONED	AS SHOWN

PAINT SPECIFICATIONS (EXTERIOR)

BLAST CLEAN TO PROPER PREPARED WITH SOLID WAX
 PRETREAT WITH CRYSTALINE PHOSPHATE BASE
 COATING TO FED. SPEC. TT-C-499 - A BOND
 ONLY TO BLAST CLEANED BARE METAL
 PRIMER: FED. SPEC. TT-P-645 - ONE CT. 10 MIL
 END ORGANIC ALKYD TYPE
 FINISH: FED. SPEC. TT-E-493 - ALKYL GLOSS
 ENAMEL TWO CT. 1.0 MIL EA.

DESIGNER	ADDRESS	DATE	DESCRIPTION	BY	APP'D
REVISIONS					
W-M SYSTEMS INCORPORATED OF WAUKECHA N5 W22872 West Bluemound Road, Waukesha, Wisconsin 53186					
SCALE:	APPROVED BY:	NO.:	DATE:	DRAWN BY:	REVISED:
3/4" = 1'-0"		071485	8-11-83		
ASSY - 12-0 DIA. HVEL. LINE STORAGE SILO					
NEW RIVER WATER TR. PLANT					DRAWING NUMBER: 071485

REV. 1



ITEM	QTY	PART NO.	DESCRIPTION
1	1	11891	TOP CONE, CYLINDER, HOPPER (1/4" HRS)
2	2		TOP REINF., 6" x 8.2# HRS CHANNEL x 12'-0" LONG
3	1		12' DIAMETER ALUMINUM GUARDRAIL ASSEMBLY WITH ONE OPENING
4	24	122-1003	TOEBOARD HOLD-DOWN BRACKETS
5	24	122-1004	TOEBOARD SPACERS
6	24	14-4060	1/2" DIAMETER FLATWASHERS
7	24	14-3100	1/2"-13NC HEX NUTS
8	1	SPECIAL	33'-6" ALUMINUM LADDER ASSEMBLY WITH SAF-T CLIMB RAIL & BELT
9	1	11891-2	5'-4" x 4'-0" STEEL PLATFORM WITH TRAP DOOR & ALUM HANDRAILS
10	1		BASE RING, 3" x 3" x 1/4" HRS ANGLE (11'-11 1/4" O.D. LEG-IN)
11	16	202-0004	CLAMP PLATE WITH SPACERS
12	4	223-0003/4	LARGE LIFT-HAUL LUGS
13	1	213-1005	3'-6" x 6'-8" STD. STEEL DOOR FRAME
14	1	213-1035	3'-6" x 6'-8" STD ALUMINUM SKIRT DOOR WITH LOCKING MECHANISM
15	1	DETAIL "A"	114" I.D. DISCHARGE FLANGE
16	1		(C433-0100 SHEET 2) 12" TO 10" ADAPTOR NECK x 7" LONG
17	1	DETAIL "B"	32" I.S. SQUARE FILTER FLANGE # TOP DECK
18	2	DETAIL "C"	4"-150# FLANGE # TOP DECK
19	1	DETAIL "D"	LEVEL INDICATOR MFG. FLANGE # TOP DECK
20	1		24" DIAMETER SEALED MANWAY WITH P.V.R. VALVE # TOP DECK
21	1		FLANGE FOR TARGET BOX # TOP DECK (REF #11890-2)
22	1		(C433-0100 SHEET 1) 4" TARGET BOX WITH BOLTS & GASKET
23	1	DETAIL "E"	1 1/2" DIAMETER HALF COUPLING IN CYLINDER WITH GUARD
24	1		(C081-0050, SHEET 1) BLOWER ASSEMBLY WITH SUPPORTS
25	1		(C108-0051, SHEET 1) 5 H.P. COMPRESSOR WITH MOUNTING AND PIPING ASSEMBLY
26			
27	8		AIRPAD HOLES FOR 8" OPEN TYPE AIRSLIDE UNIT (2 1/2" DIA. HOLES)
28	1		(C433-0100, SHEET 1) AIR FILL PIPE ASSEMBLY
29	1		(C433-0100, SHEET 2) VENT PIPE ASSEMBLY
30	1		(C433-0100, SHEET 3) LIME TRANSFER PIPE TO 6' TANK
31	1		(C433-0100, SHEET 4) VENT PIPE ASSEMBLY 6' TO 12' TANK
32	1		(C464-0014 SHEET 1) BLOWER & PIPE ARRANGEMENT

WELDING : ALL WELDS TO HAVE 100% PENETRATION.

INTERIOR FINISH : CLEAN THOROUGHLY OF ALL FOREIGN MATERIAL AND WELD SPATTER. COVER ALL OPENINGS WITH METAL SHIPPING COVERS. CAUTION : DO NOT SEAL TANK COMPLETELY. SUDDEN CHANGES IN TEMPERATURE OR ATMOSPHERIC PRESSURE MAY CAUSE DAMAGE TO TANK.

EXTERIOR FINISH : "COMMERCIAL BLAST" PER SPEC. SSPC-SP6. CLEAN THOROUGHLY OF ALL FOREIGN MATERIAL AND WELD SPATTER. POWER WASH WITH OXALIC CRYSTAL. APPLY PRIME COAT OF RUSTOLEUM 960 RUST INHIBITIVE PRIMER 1.0 MILS. D.P.T. APPLY FINISH COATS OF RUSTOLEUM NEW HORIZON FINISH (#2766 HIGH GLOSS WHITE) 2.0 MILS. D.P.T.

DESIGN NOTES: SEISMIC ZONE I, MAX WIND LOAD 25 PSF (.65 SHAPE FACTOR)
 MAX DECK LIVE LOAD 30 PSF, MAX MATERIAL DENSITY 60 LBS/FT³
 MAX. INTERNAL VACUUM 0.5 OZ/IN². MAX. INTERNAL PRESSURE 2.0 OZ/IN²
 TANK CAPACITY 200.5 CUBIC FOOT, SHIPPING WEIGHT 20,000 LBS.

TANK GAUGE SCHEDULE		CUTTING SCHEDULE	
TOP DECK	1/4" R	L. RAD.	S. RAD.
BOTTOM CONE	1/4" R	L. RAD.	S. RAD.
1st CYLINDER	72" OF 1/4" R	CIRC.	CIRC.
2nd CYLINDER	72" OF 1/4" R	CIRC.	CIRC.
3rd CYLINDER	72" OF 1/4" R	CIRC.	CIRC.
4th CYLINDER	72" OF 1/4" R	CIRC.	CIRC.
5th CYLINDER	72" OF 1/4" R	CIRC.	CIRC.
6th CYLINDER	42" OF 1/4" R	CIRC.	CIRC.
7th CYLINDER	OF	CIRC.	CIRC.
8th CYLINDER	OF	CIRC.	CIRC.
9th CYLINDER	OF	CIRC.	CIRC.
10th CYLINDER	OF	CIRC.	CIRC.

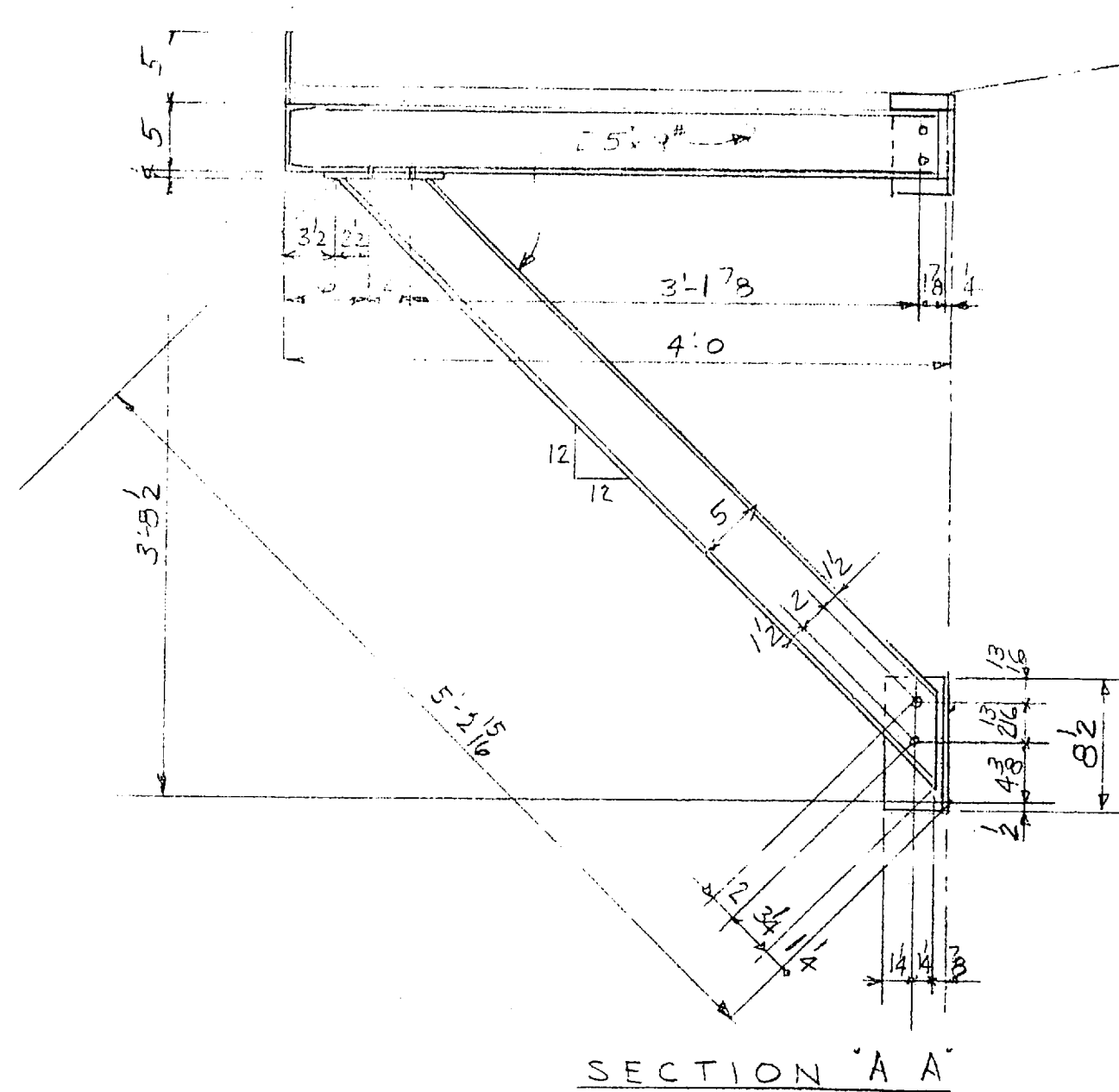
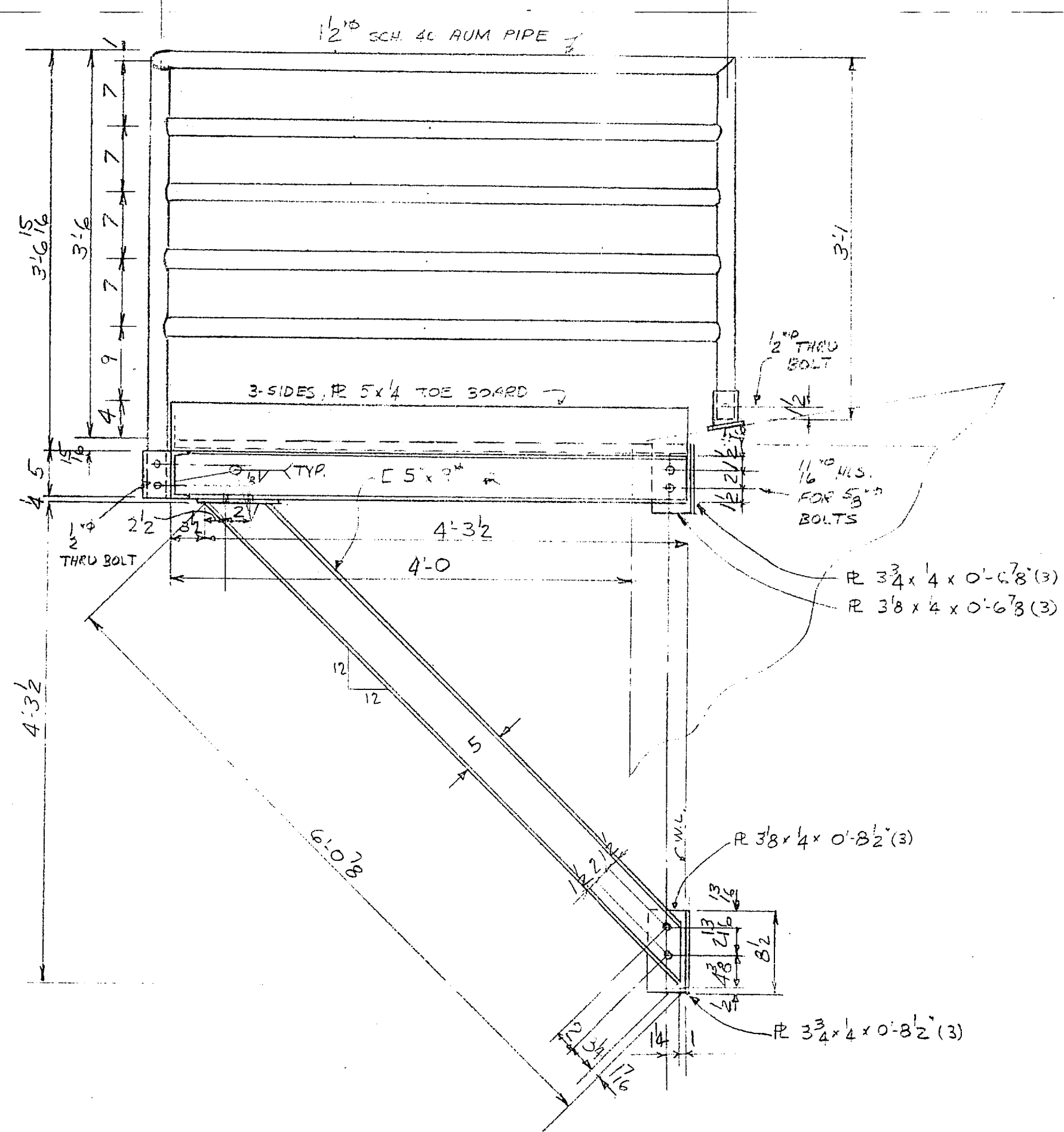
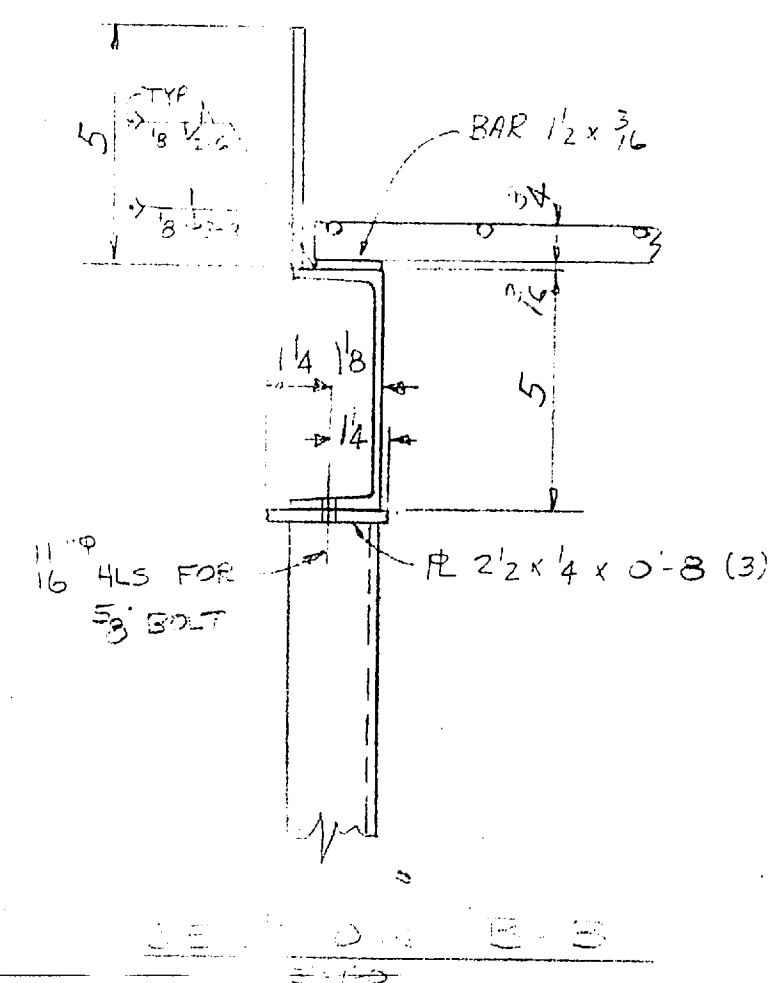
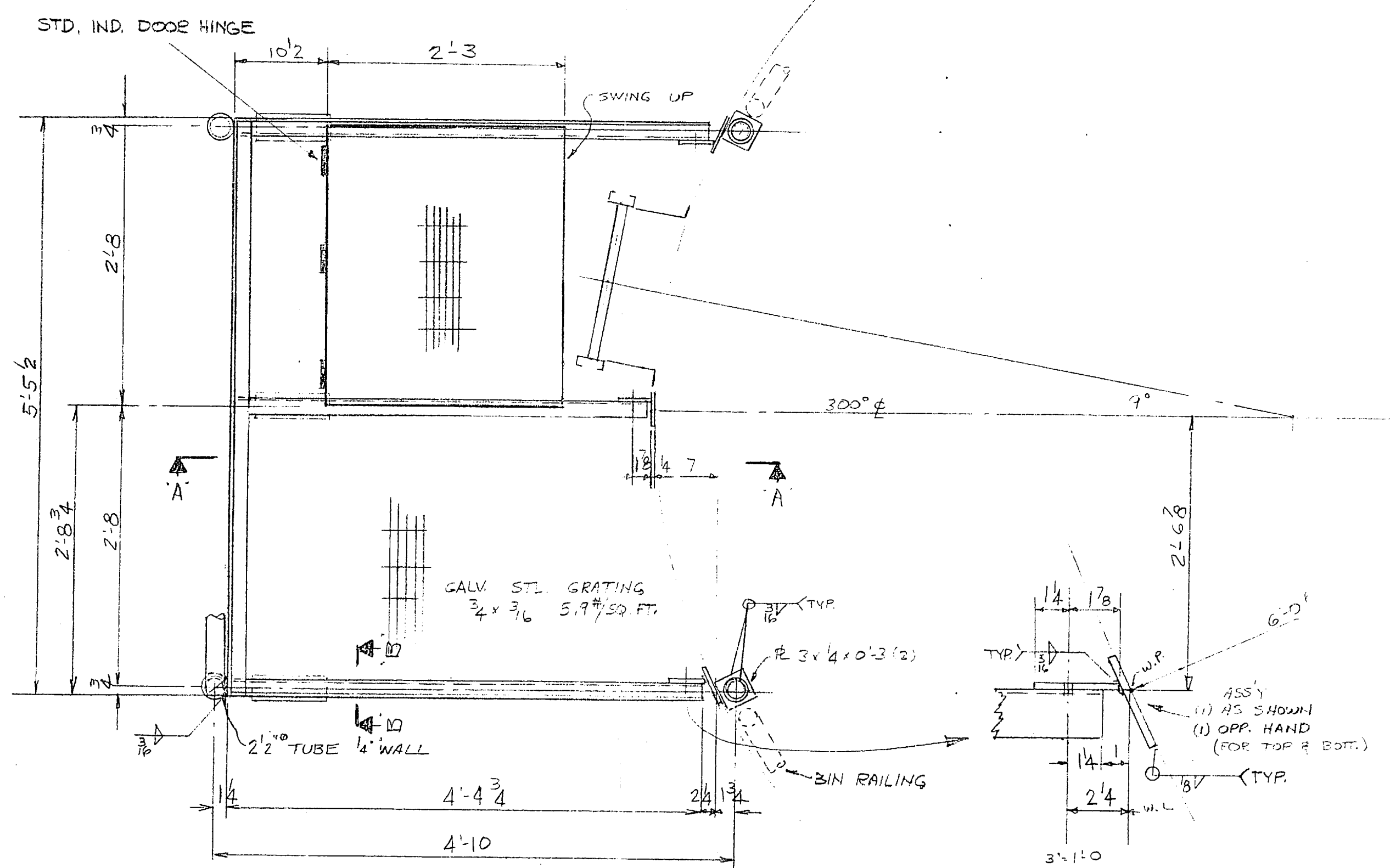
WHM Systems Incorporated
 10 W2272 W. BLUEMOUND ROAD WAUKESHA, WI 53186

SCALE: AS NOTED APPROVED BY: [Signature] REVISION: 07/14/83 DRAWN BY: T. NEST
 DATE: 9-21-83 PROJ: 11891-1

TANK ASSEMBLY DETAILS

1) 60" x 60" x 12" DIA. x 33'-6" HIGH STEEL SKIRT TANK
 DRAWING NUMBER: C645-0007
 SHEET NO.: 1 OF 1

REV.	BY	DATE	DESCRIPTION

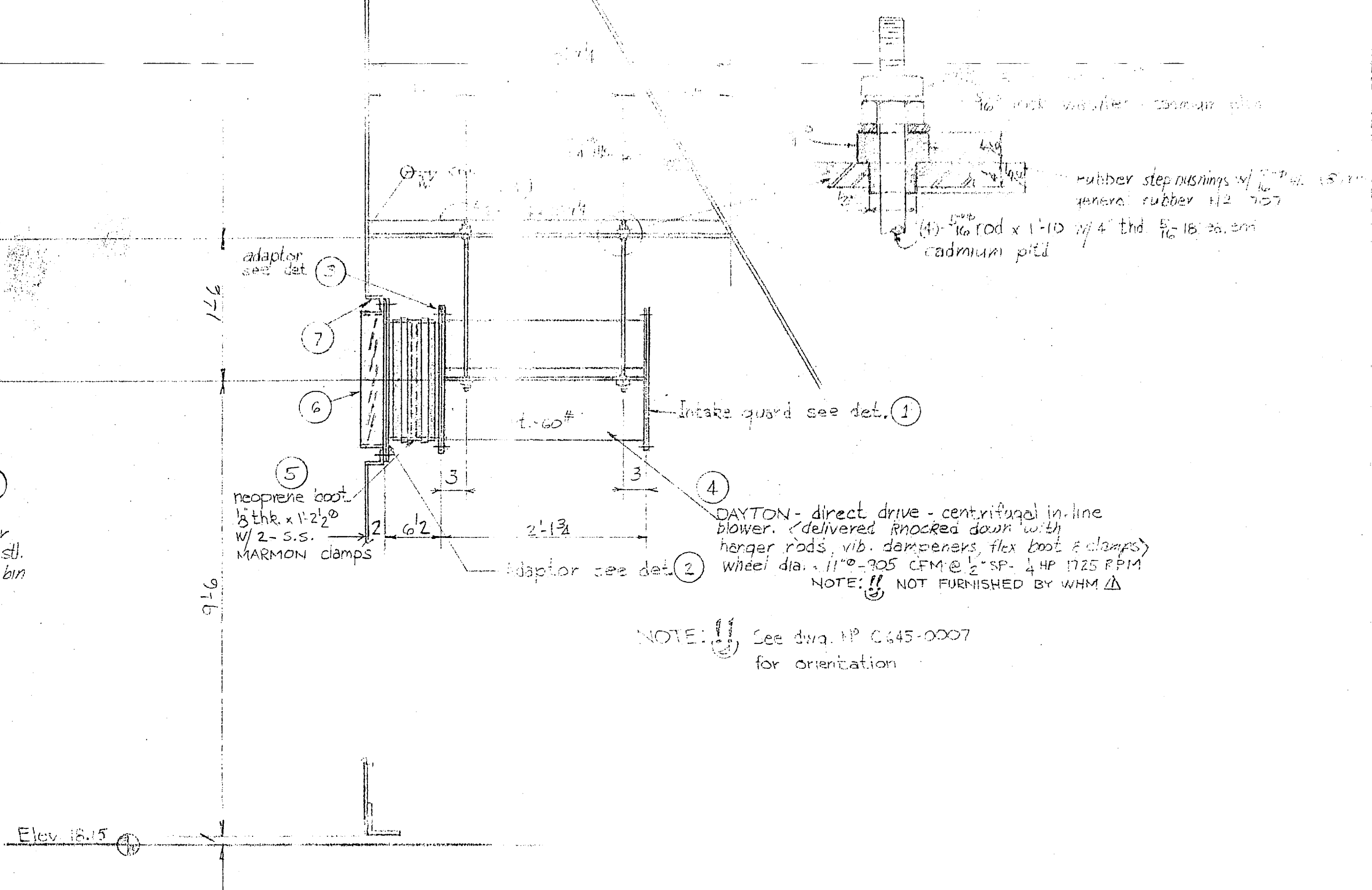
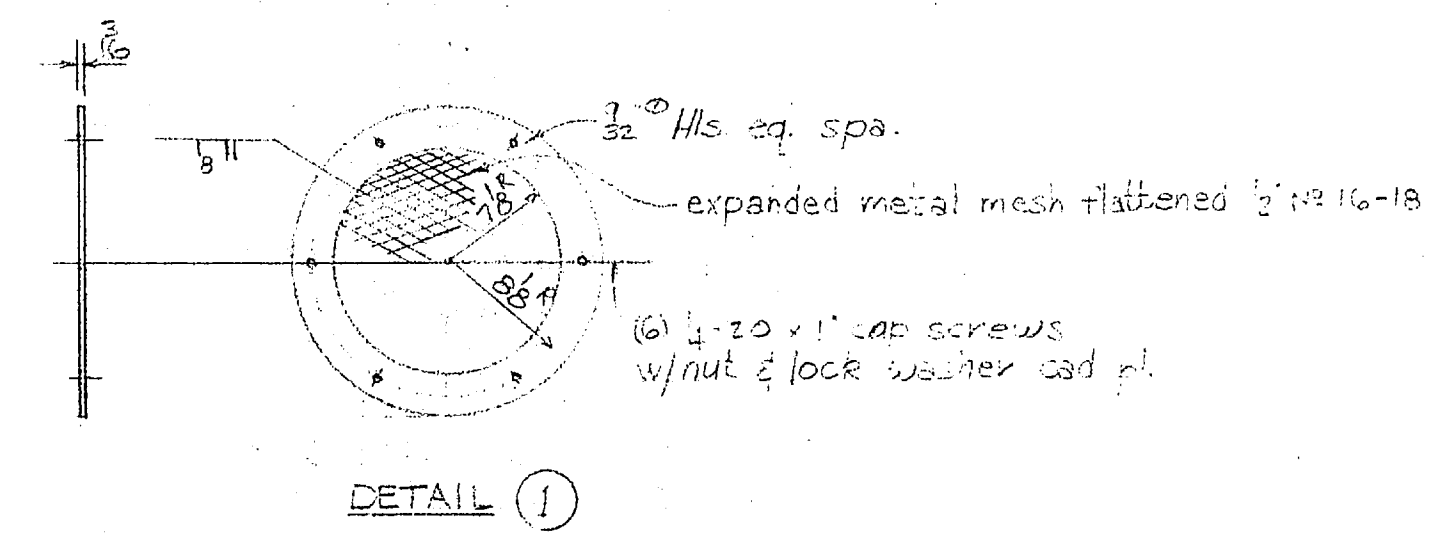
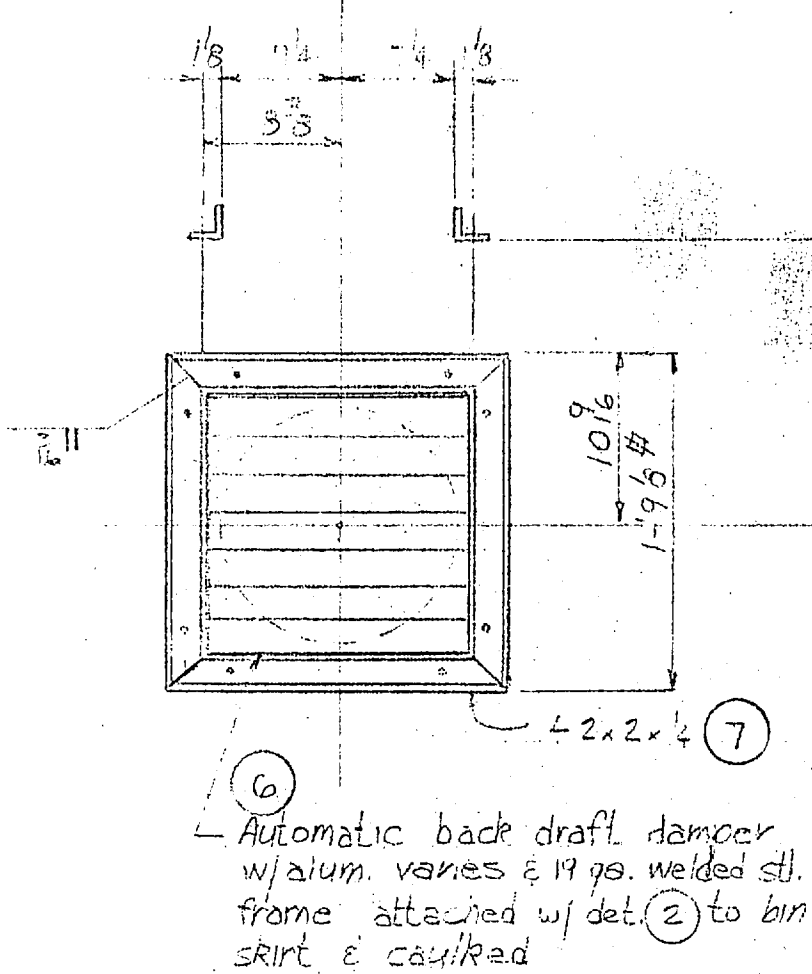
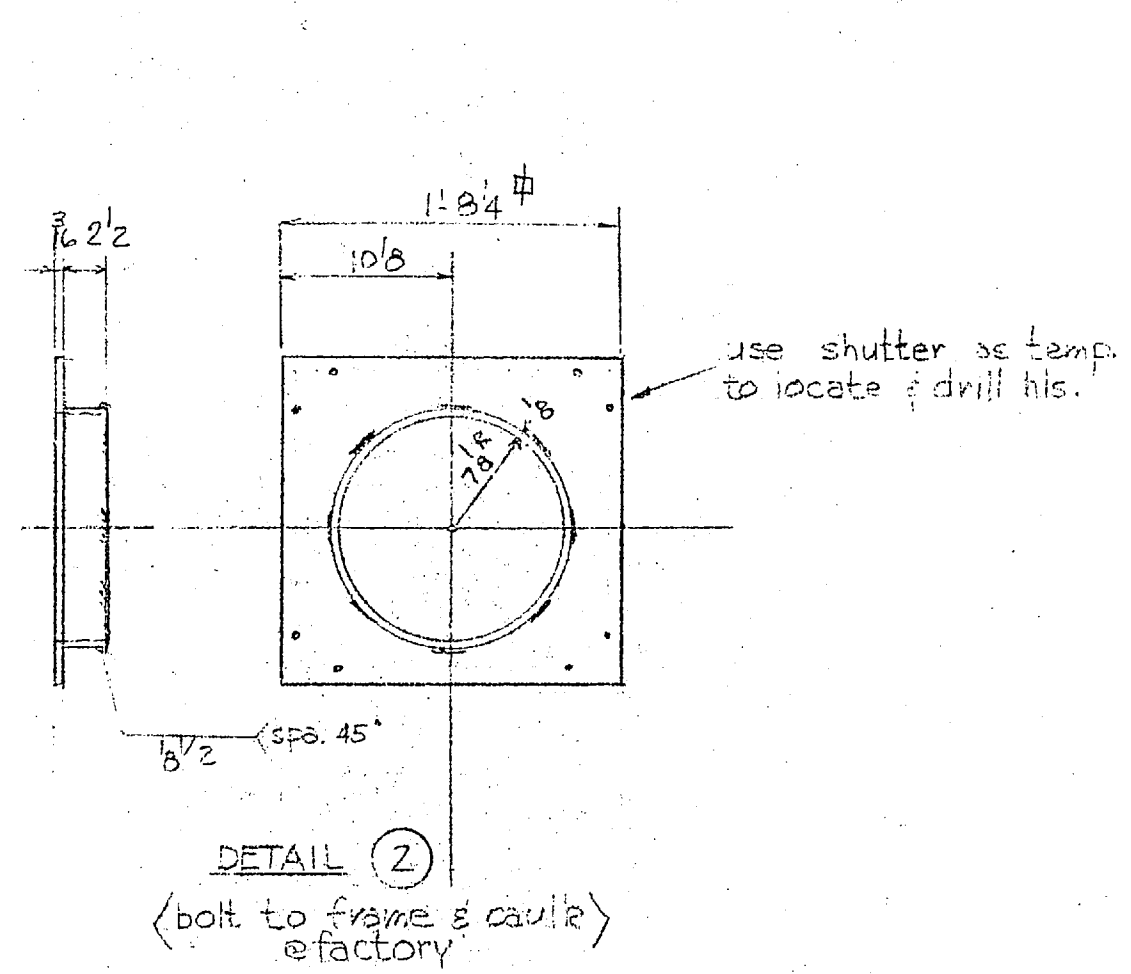
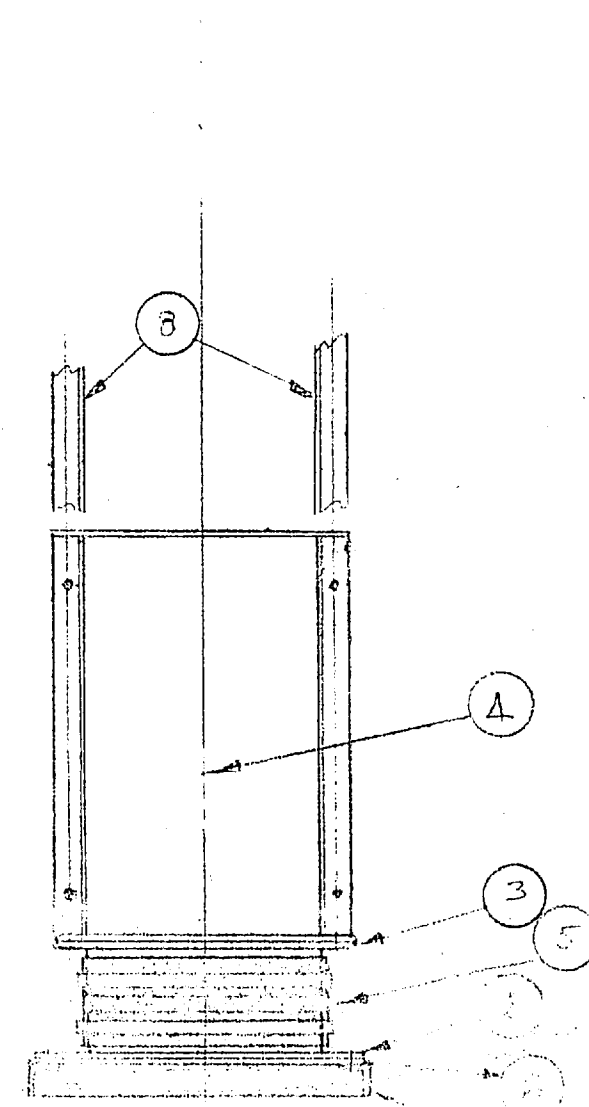
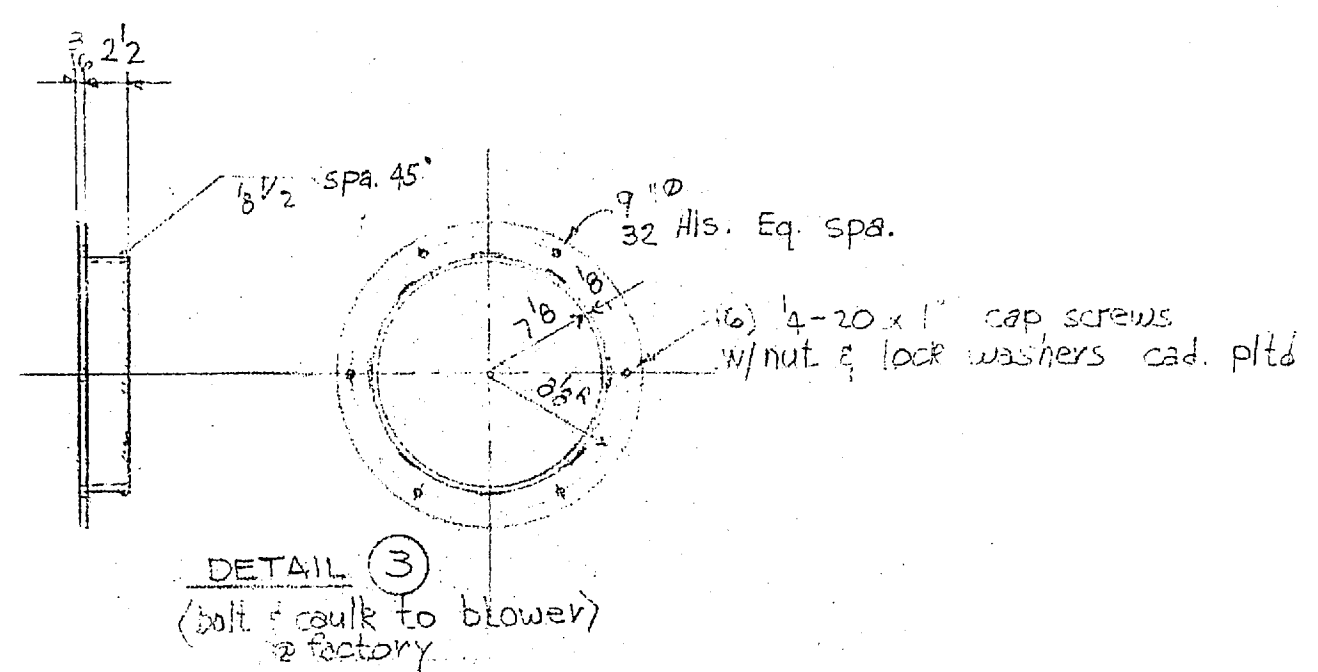


NOTE:
 RAILING- DELIVERED AS WELDED ASSY
 PLATFORM- DELIVERED AS WELDED ASSY
 KNEE BRACES- DELIVERED LOOSE

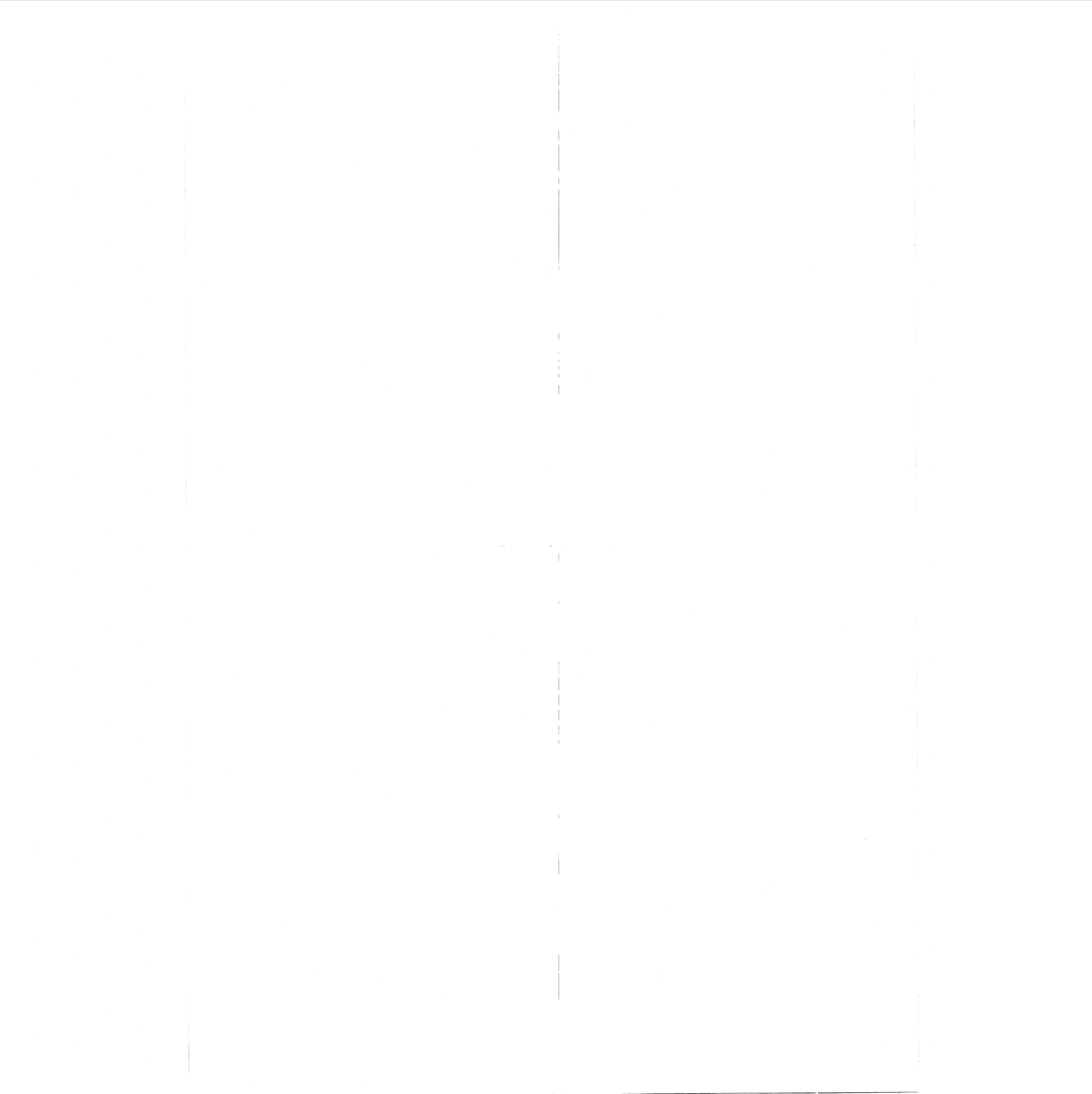
PAINT
 COMMERCIAL BLAST PER SPEC. STED. SFG. PRIMER WASH
 WITH DAKOTE GRYSOAT 285. APPLY PRIMER COAT
 OF RUSTOLEUM 960 PRIMER RUST INHIBITIVE
 1.0 MILS. D.F.T. APPLY FINISH COATS OF RUSTOLEUM
 NEW HORIZON FINISH # 2766 HIGH GLOSS WHITE 2.0
 MILS. D.F.T.

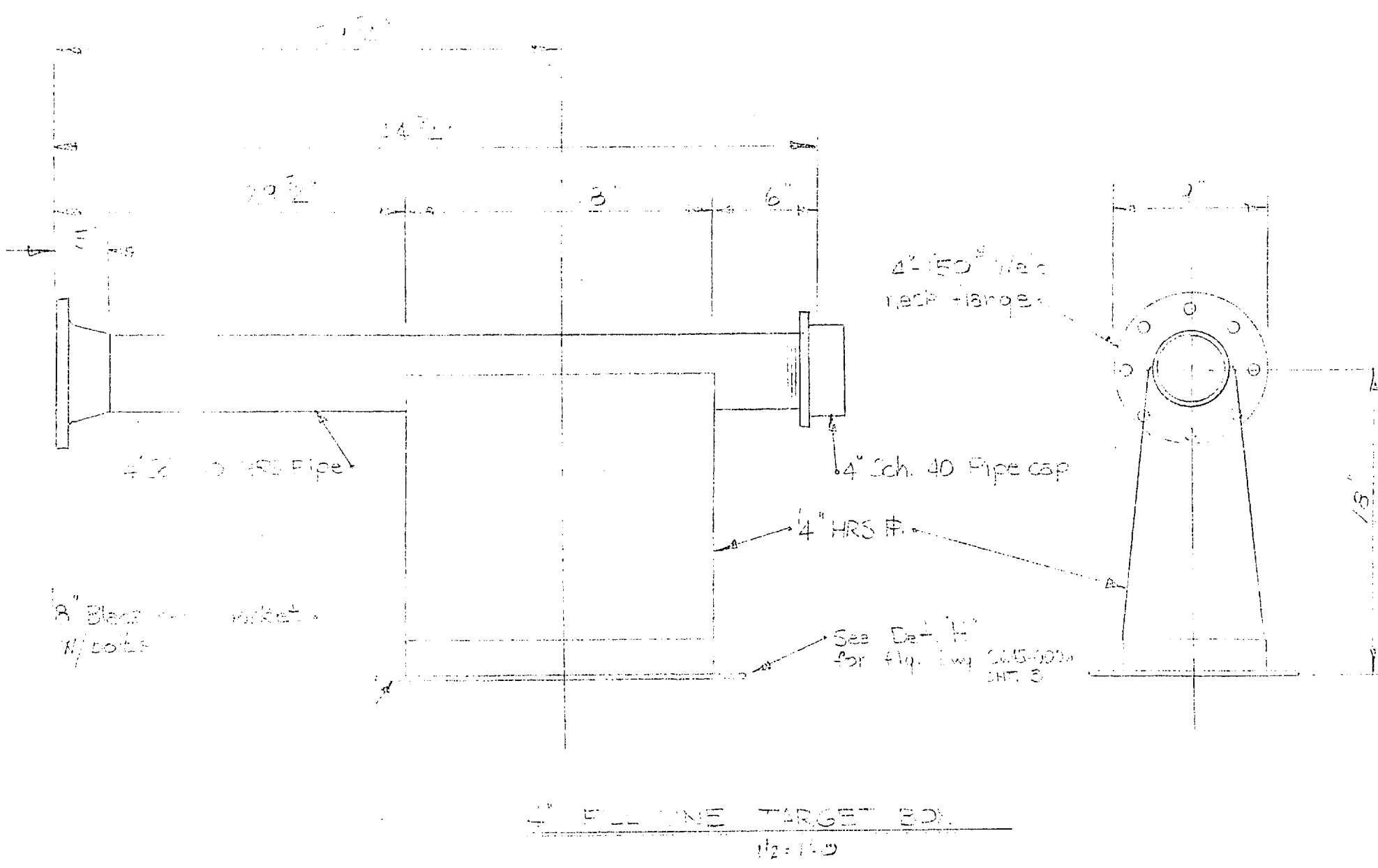
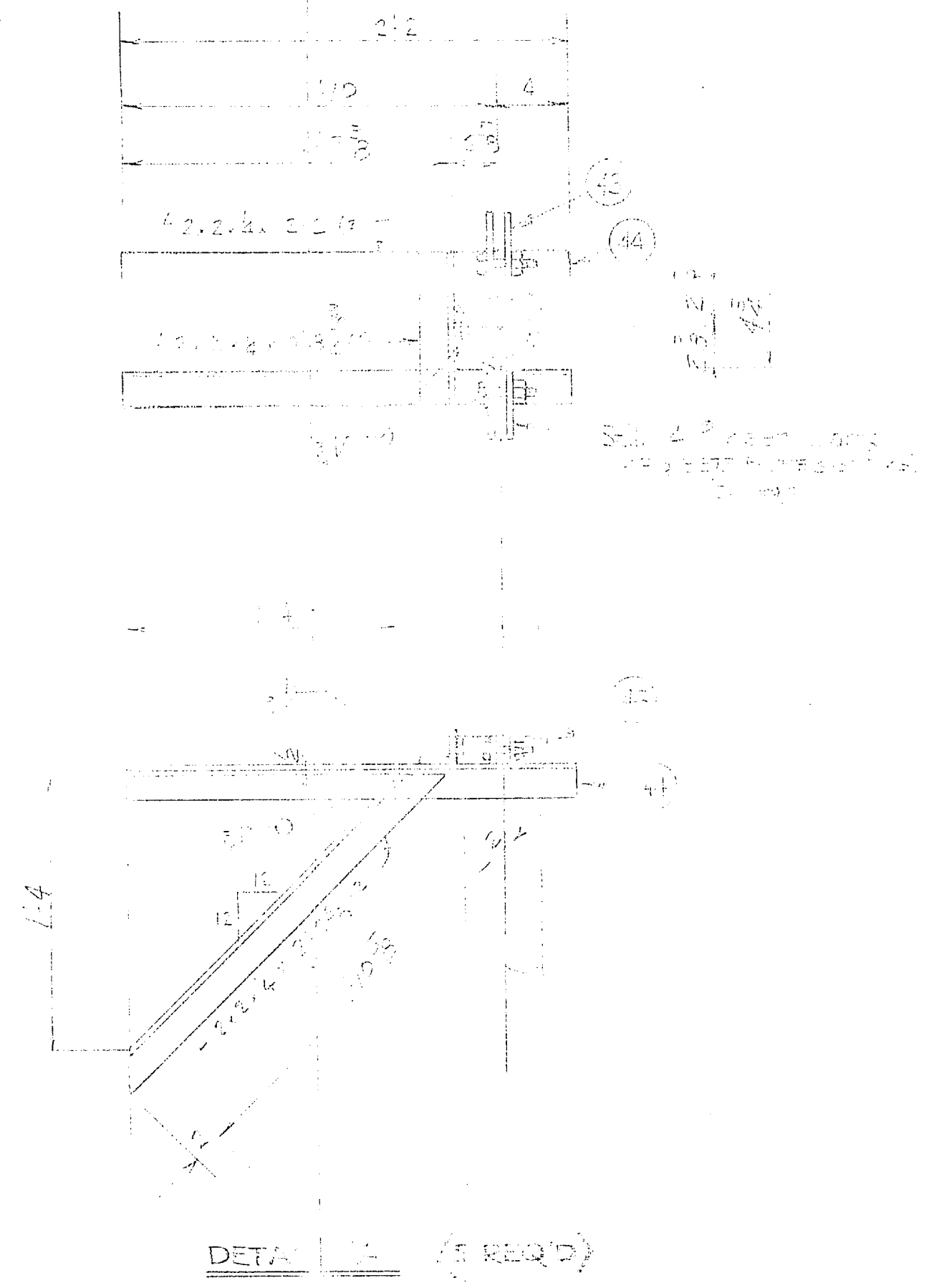
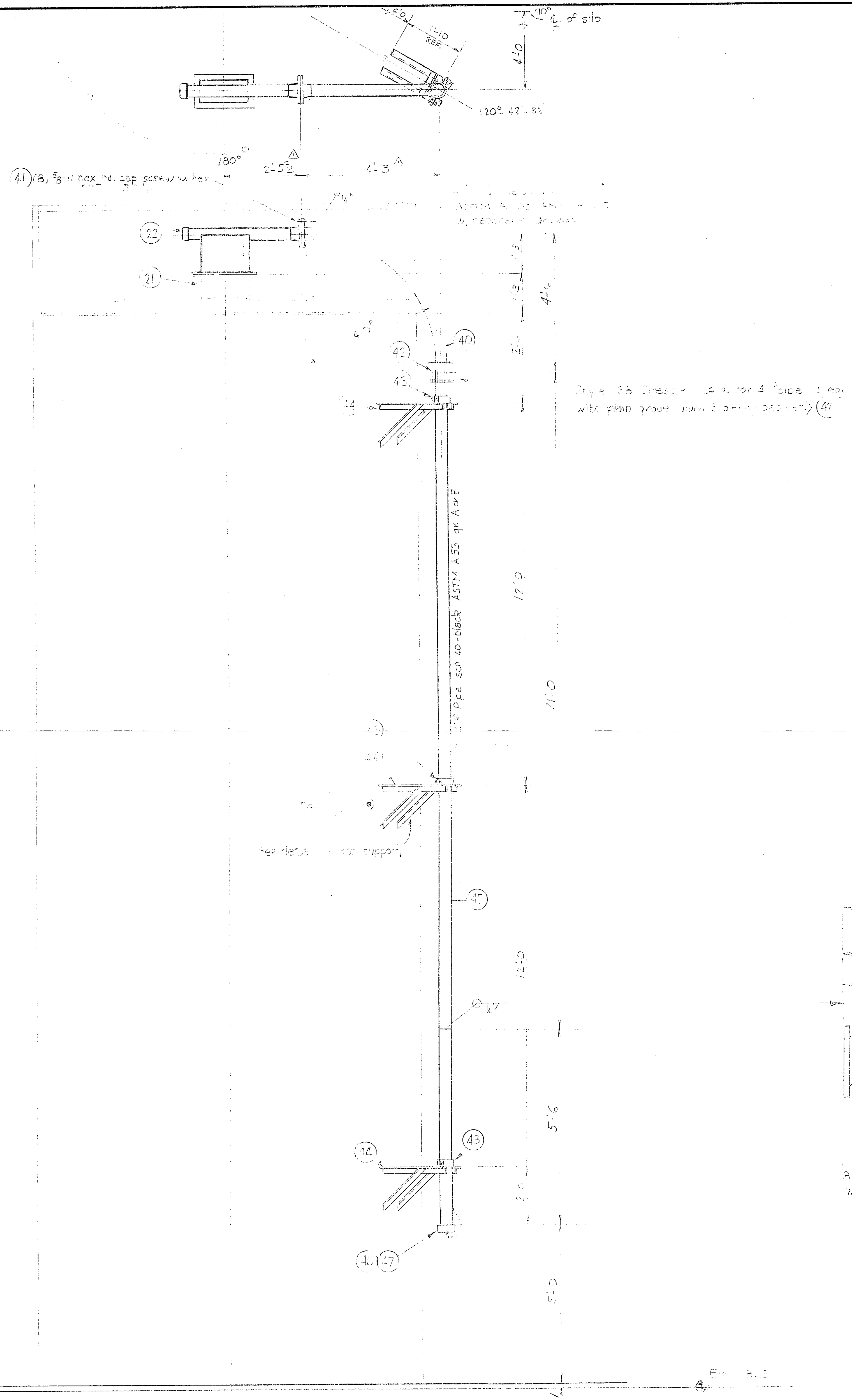
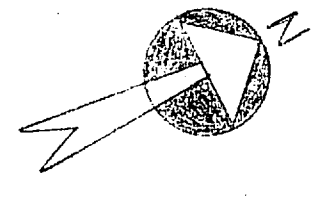
1	11-27-83	CHG'D CORR. & RAILING	
no.	date	description	app'd
revisions			
SCALE: 1/2"=1'-0"	APPROVED BY: [Signature]	DATE: 11-28-83	DRAWN BY: [Signature]
LANDING PLATFORM DETAIL		071483	REVISED
NEW RIVER WATER TR. PLANT		DRAWING NUMBER	C645-0007
MCAS - NEW RIVER JACKSONVILLE, N.C.		REV. 1	

ITEM	QTY	PART NO.	DESCRIPTION
1	1	DETAIL 1	INTAKE GUARD WITH EXPANDED MESH
2	1	DETAIL 2	ADAPTOR (SHUTTER TO BOOT)
3	1	DETAIL 3	BLOWER (BOOT TO BLOWER ASSEMBLY)
4	1	DAYTON	BLOWER WITH HANGER RODS, DAMPENERS, BOOT & CLAMPS
5	1	-----	NEOP. BOOT WITH (2) S.S. MARMON CLAMPS
6	1	-----	AUTOMATIC BACK DRAFT DAMPER
7	1	-----	21-1/8" O.S. SQUARE FRAME ASSEMBLY IN SKIRT
8	2	-----	2" x 2" x 1/4" HRS ANGLE x 3'-9 1/4" LONG BLOWER SUPPORT



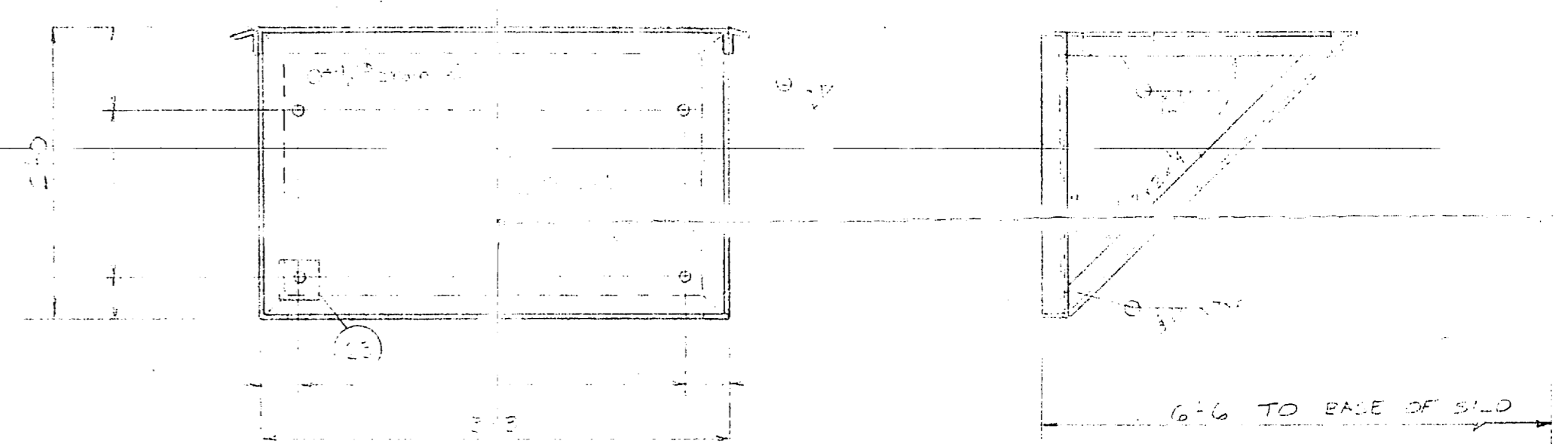
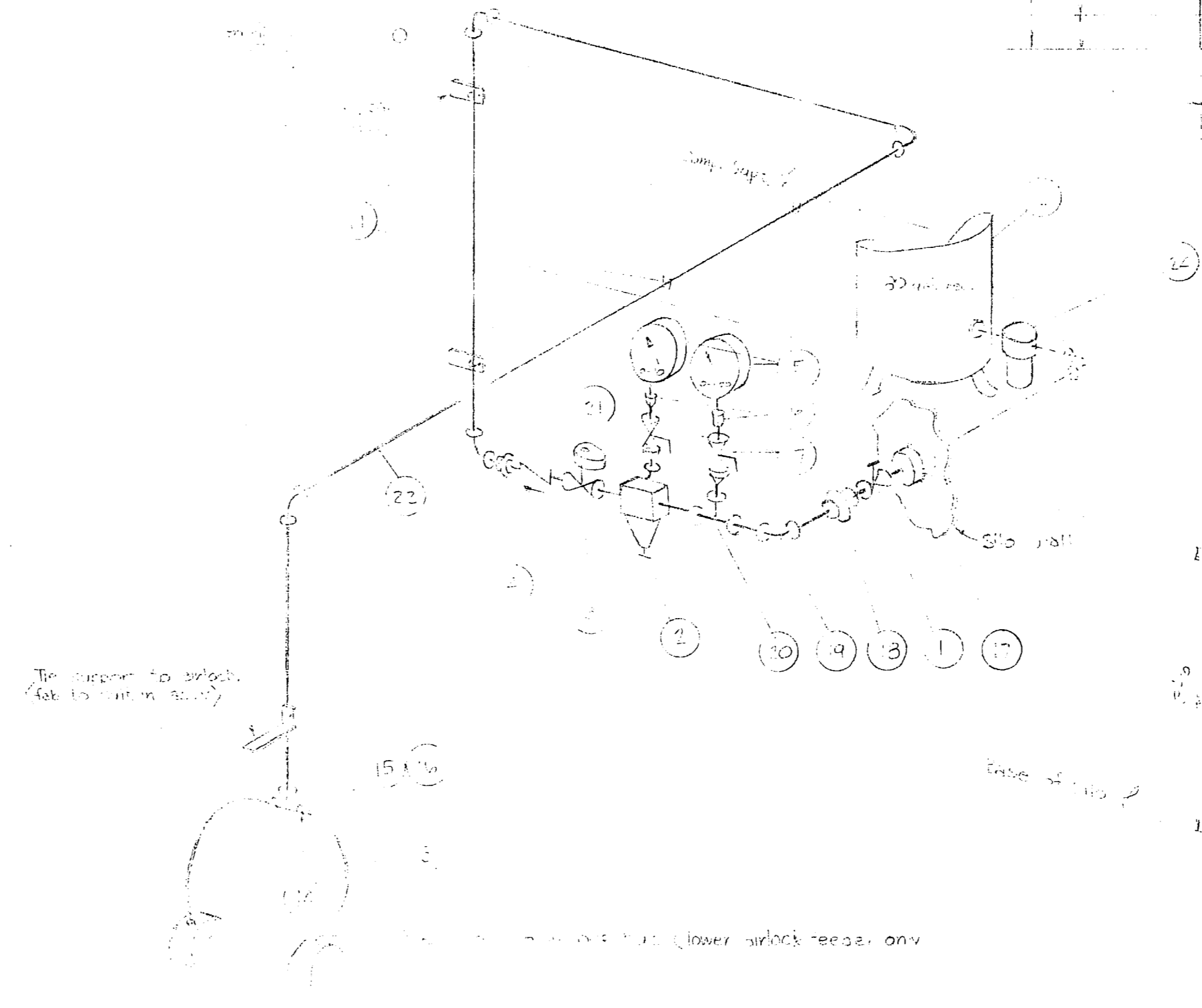
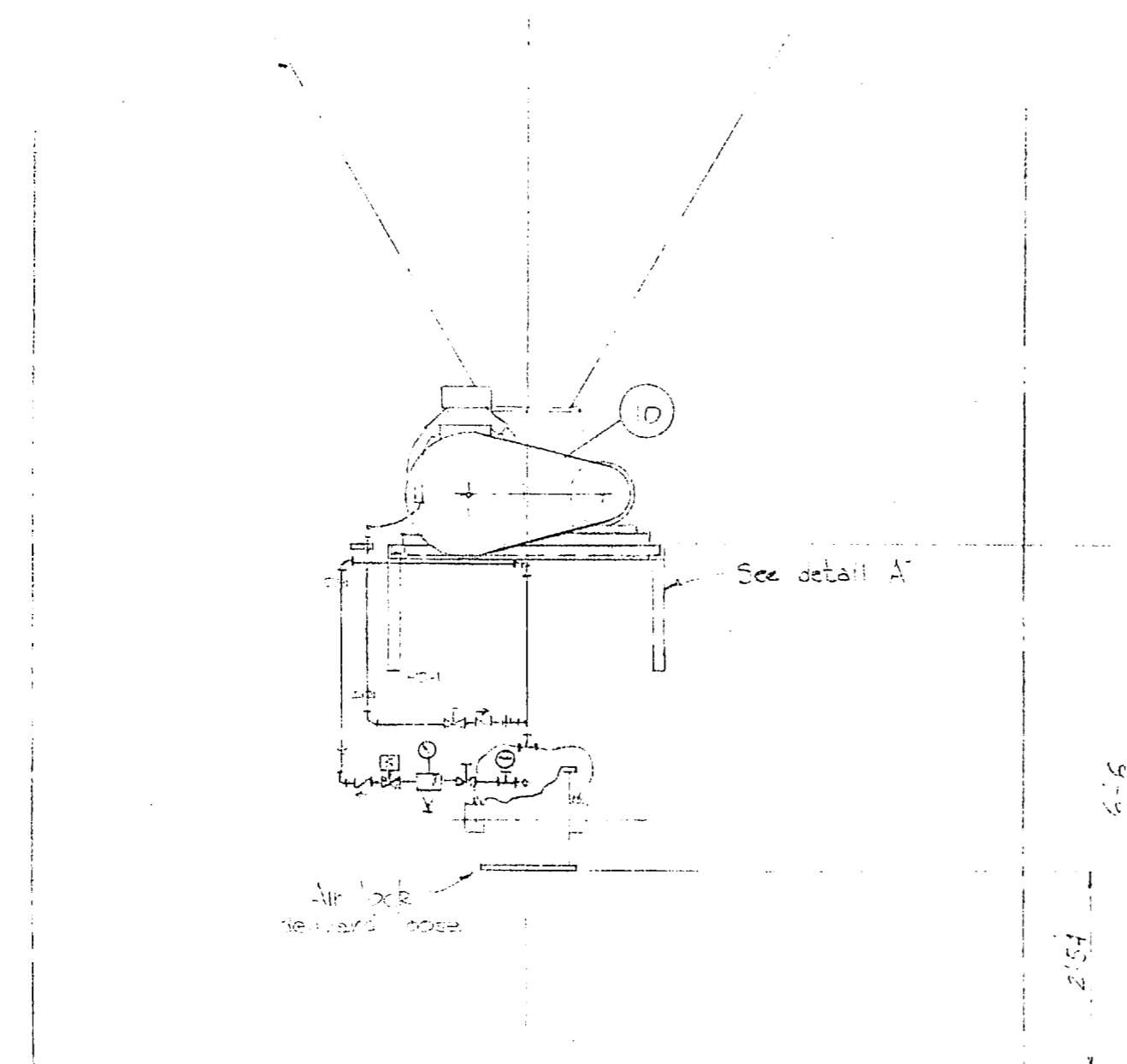
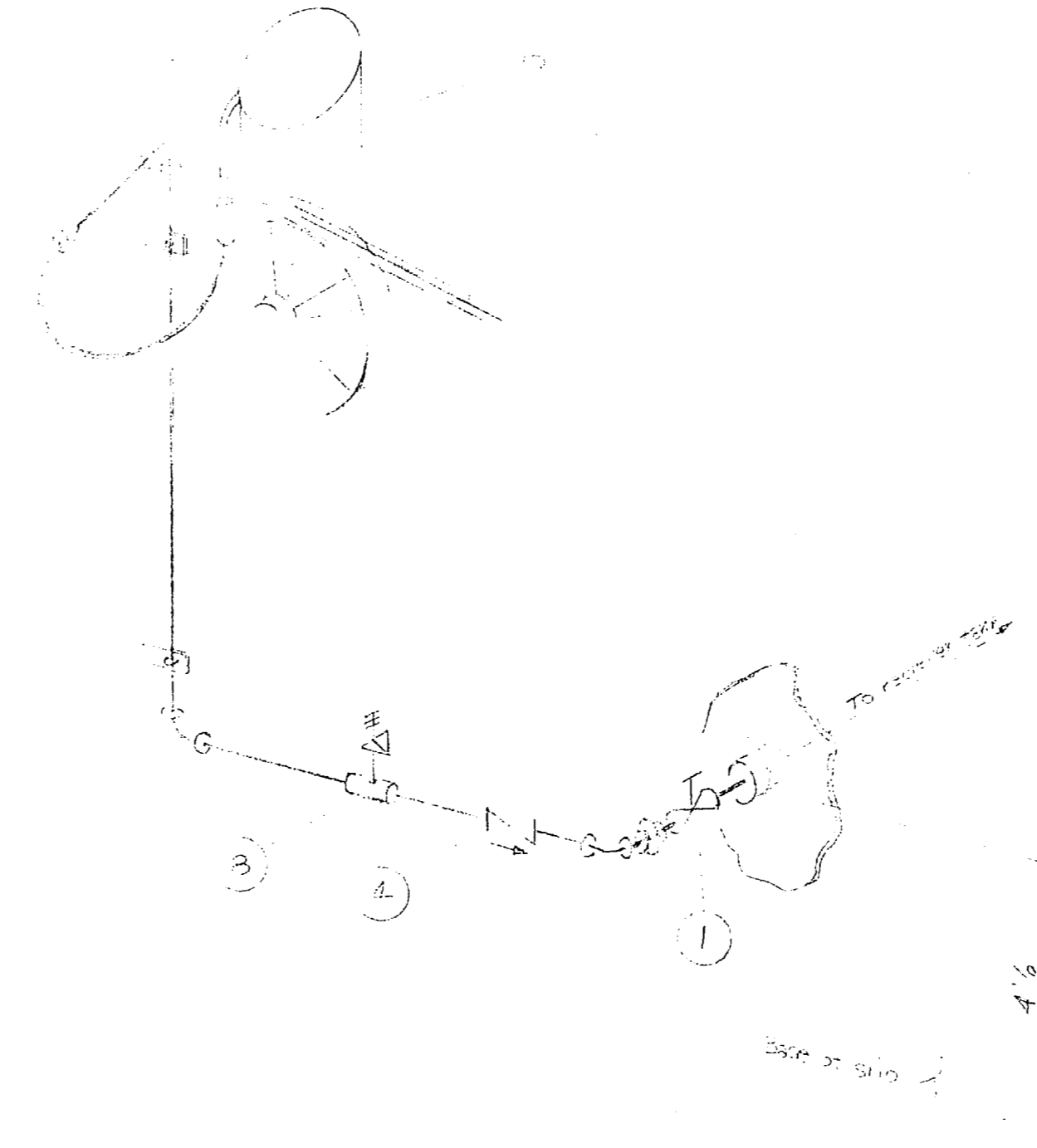
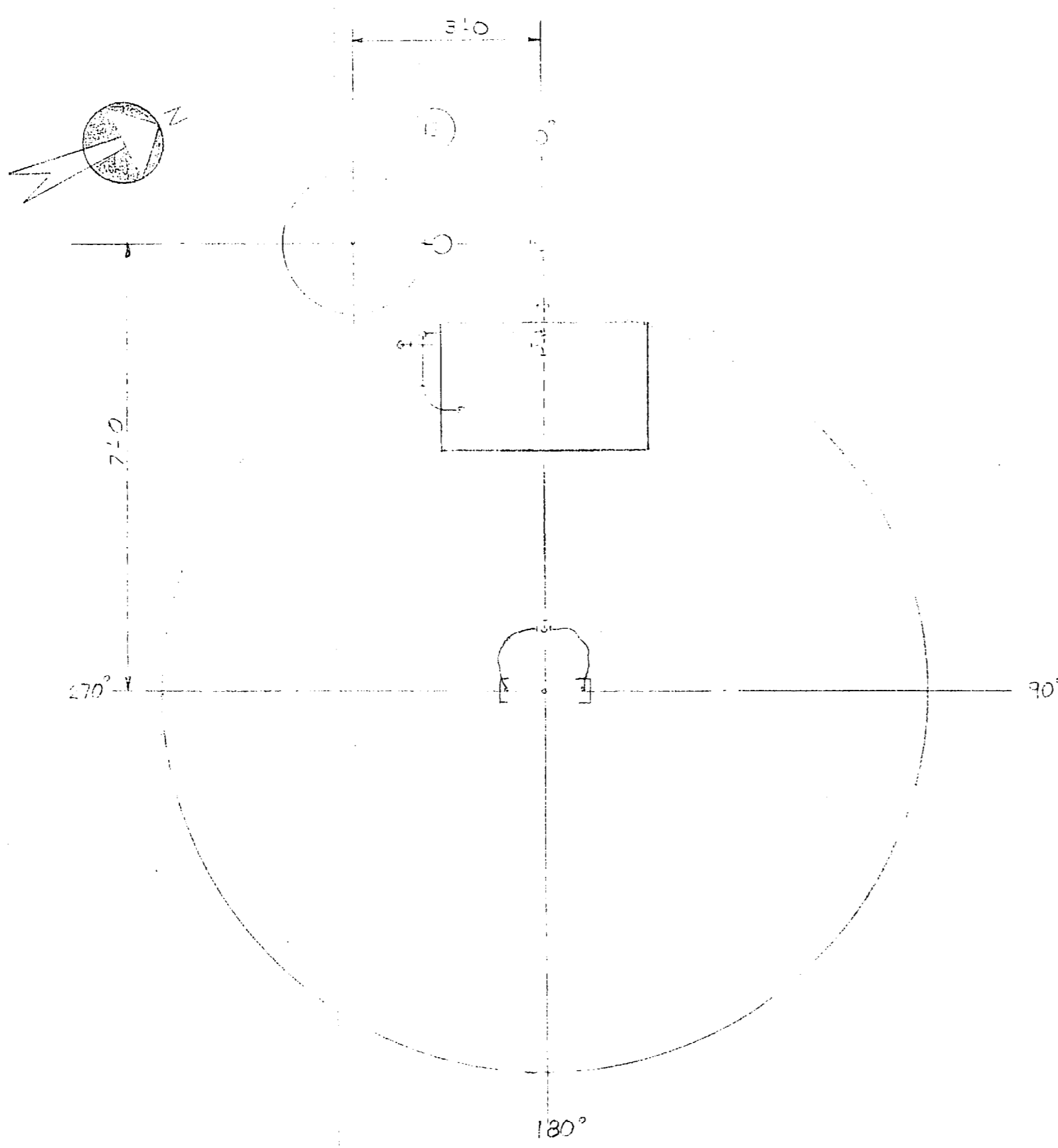
WHM SYSTEMS INCORPORATED OF WAUKESHA N5 W22872 West Bluemound Road, Waukesha, Wisconsin 53186			
SCALE: 1/8"=1'-0"	APPROVED BY: <i>[Signature]</i>	PROJ. NO: 071483	DRAWN BY: <i>[Signature]</i>
DATE: 11/20/83			REVISED:
BLOWER ASSY - EXHAUST			
FOR: NEW RIVER WATER TR. PLANT			DRAWING NUMBER: 501 C031-0020





NO.	QTY.	DESCRIPTION
41	5	1/8" DIA. X 3" LONG HEX HEAD CAPSCREW WITH PLAIN END
42	1	1/2" DIA. X 3" LONG HEX HEAD CAPSCREW WITH HEX END & CONE STYLE 38 PRESSER COUPLING WITH PLAIN END GAS TIGHT BEND FOR 4" SCH 40 PIPE
43	3	DETAIL "A" STANDARD 4" RISED CLAMP (FLANGE 3375 F LINE) FOR 4" SCH 40 PIPE
44	3	DETAIL "A" AIR PIPE FILL LINE MOUNTING BRACKET
45	1	4" SCH 40 HRS PIPE X 20'-6" MIN. LT.
46	1	SMALL ADPTOR (40-A)
47	1	GOODALL DUST CAP (40-V)

NO.	DATE	DESCRIPTION	BY
REVISIONS			
W-M SCIEN. & CORP. OF WAUWATOSA 83 W 22872 West Burnham Road, Wauwatosa, Wisconsin 53186			
SCALE:	APPROVED BY:	DESIGNED BY:	DRAWN BY:
DATE:			
DRAWING NUMBER:			REV. 1



DETAIL A

NOTE:
 1. All dimensions are in inches unless otherwise specified.
 2. All pipe and fittings are standard.
 3. Refer to drawing 1000-2-10 for details.

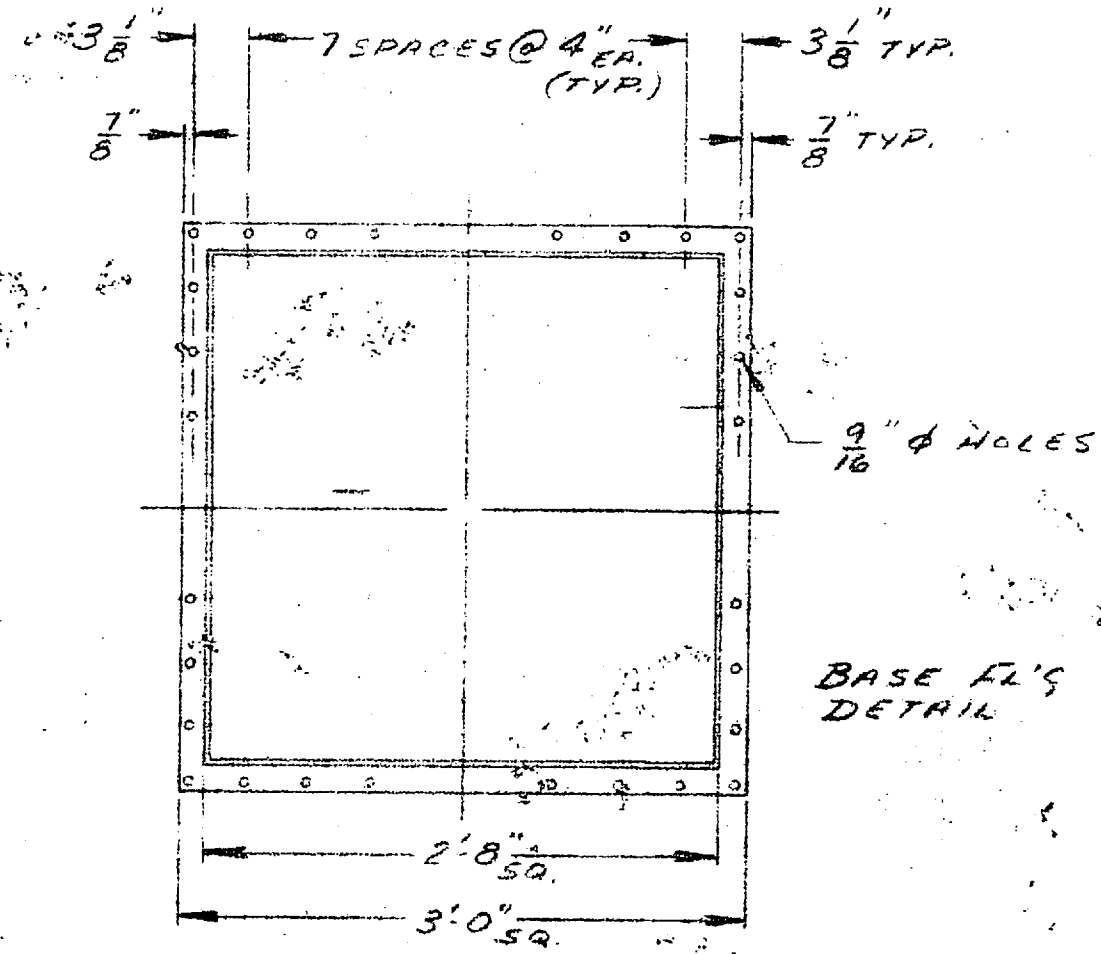
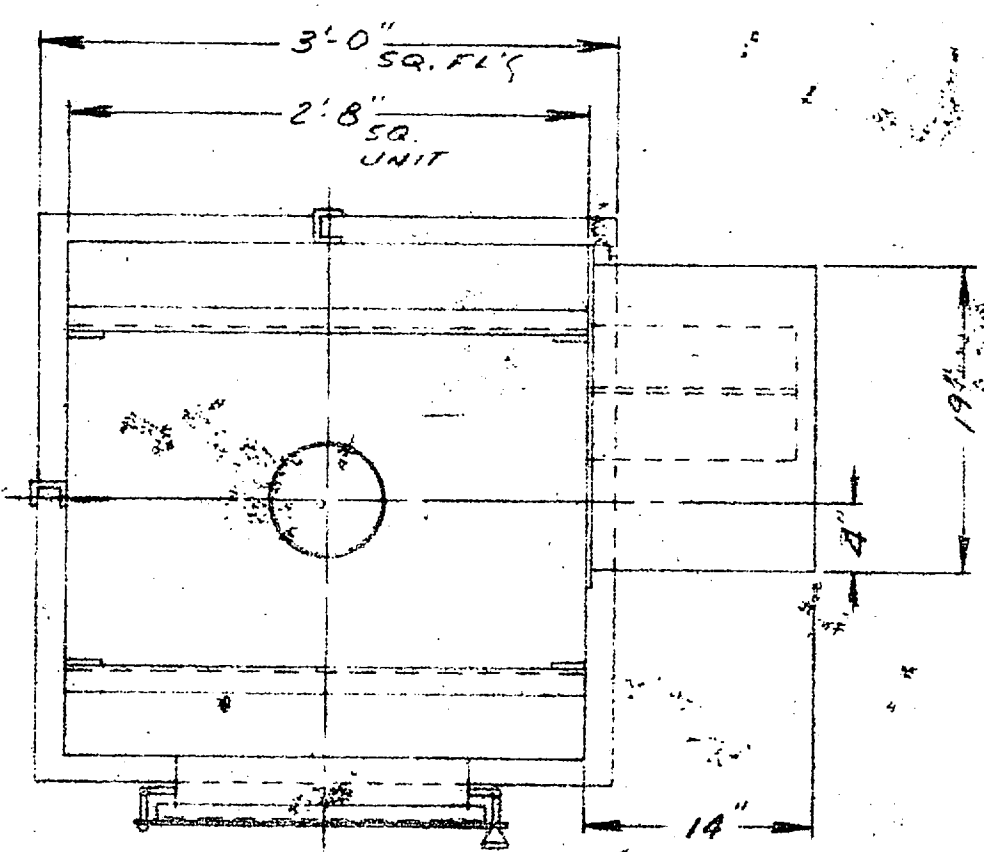
BILL OF MATERIAL				
Item	Quan.	Description	Std. Wt.	
1	2	1/2" GATE VALVE (GV-1) (GV-1) 125# BRONZE FIG. # 300	ITT GRINNELL	
2	1	1/2" PRESS. REG.		
3	1	1/2" ASCO # B210C94 SOL. VALVE (SV-1)		
4	2	1/2" CHECK VALVE (CV-1) (CV-1)		
5	2	PRESS. GAUGE (PG-1) (PG-1) 0-100 PSI 1/2" NPT	ROSCOFF	
6	1	PRESS. GAUGE (PG-2) (PG-2) 0-100 PSI 1/2" NPT	ROSCOFF	
7	1	TEMP. GAUGE (TG-1) (TG-1) 0-100 F 1/2" NPT	ROSCOFF	
8	1	TEMP. GAUGE (TG-2) (TG-2) 0-100 F 1/2" NPT	ROSCOFF	
9	1	1/2" FLY CONNECTION		
10	1	1/2" TWO-TUBE-PTH. HOSE # 10000010 CAMPBELL HALLSFELD		
11	1	PIPE 1/2" BOLTS FOR 1/2" PIPE W/ WASH. SLUT		
12	1	30 GAL. HEAT RES. TANK 1/2" GALV. W/ DRAIN T. PRESS. RELIEF VALVE 1/2" GAUGE 1/2"		
13	1	HOSE 1/2" ID. W/ FHOSE SERIES TIE		
14	4	PUSHON CAPS FOR 1/2" HOSE 1/2" DIA. NPT.		
15	2	1/2" TEE 1/2" BLK.		
16	1	1/2" UNION 1/2" BLK.		
17	1	1/2" EL. 1/2" BLK.		
18	1	1/2" TEE 1/2" BLK.		
19	1	1/2" ST. EL. 1/2" BLK.		
20	1	PIPE 1/2" SCH. 40 ST. 1/2" DIA. 1/2" DIA. 1/2" DIA.		
21	1	1/2" COUPLER 1/2" BLK.		
22	1	1/2" FULL CPLG. 1/2" BLK.		
23	1	1/2" UNION 1/2" BLK.		
24	1	AIR FILTER 1/2" (H)		

W-M SYSTEMS INCORPORATED OF WALKESHA
 85 W2872 West Blumhard Road, Walkesha, Wisconsin 53186

SCALE: 1/2" = 1'-0"
 DATE: 3-25-85
 APPROVED BY: [Signature]
 DRAWN BY: [Signature]

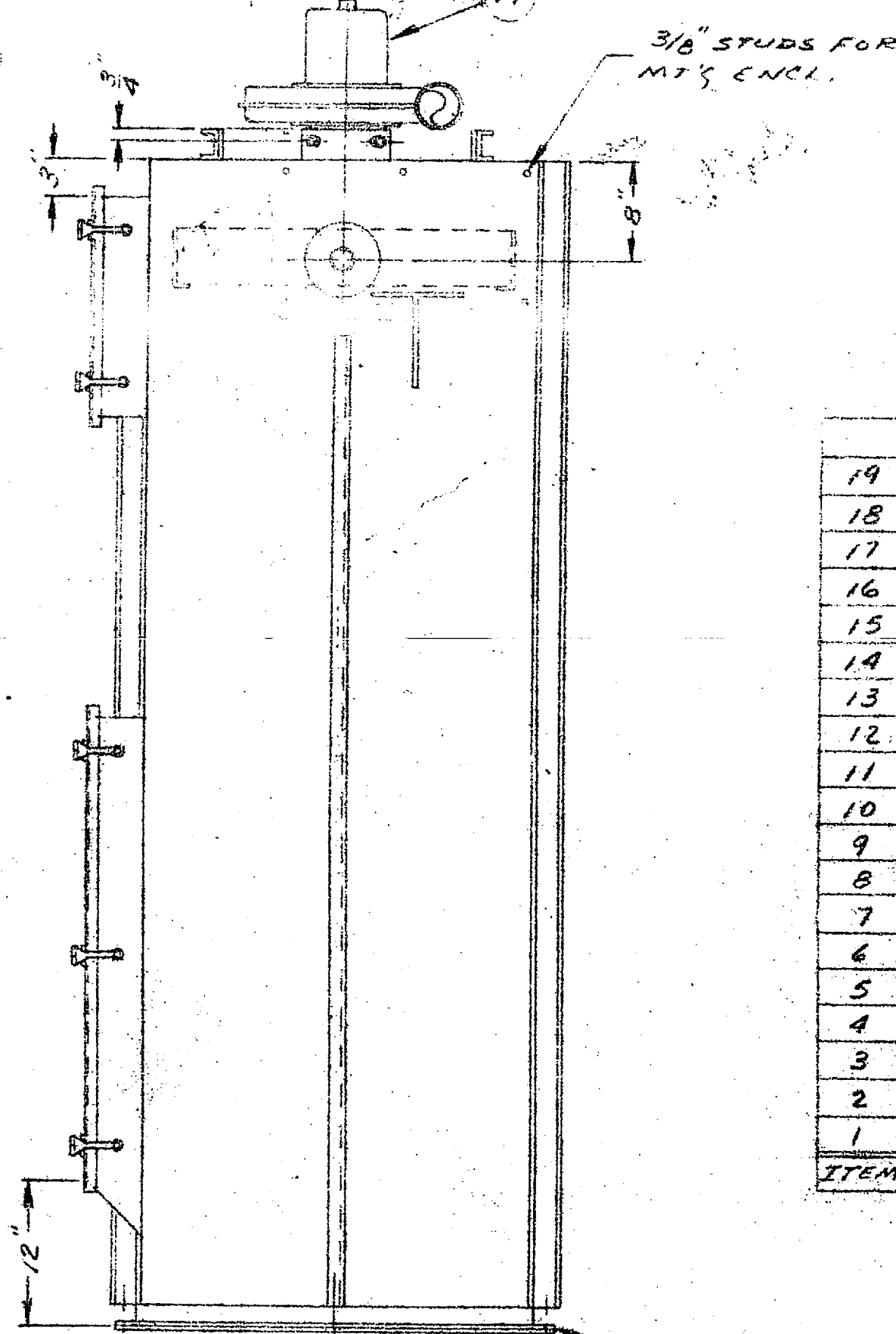
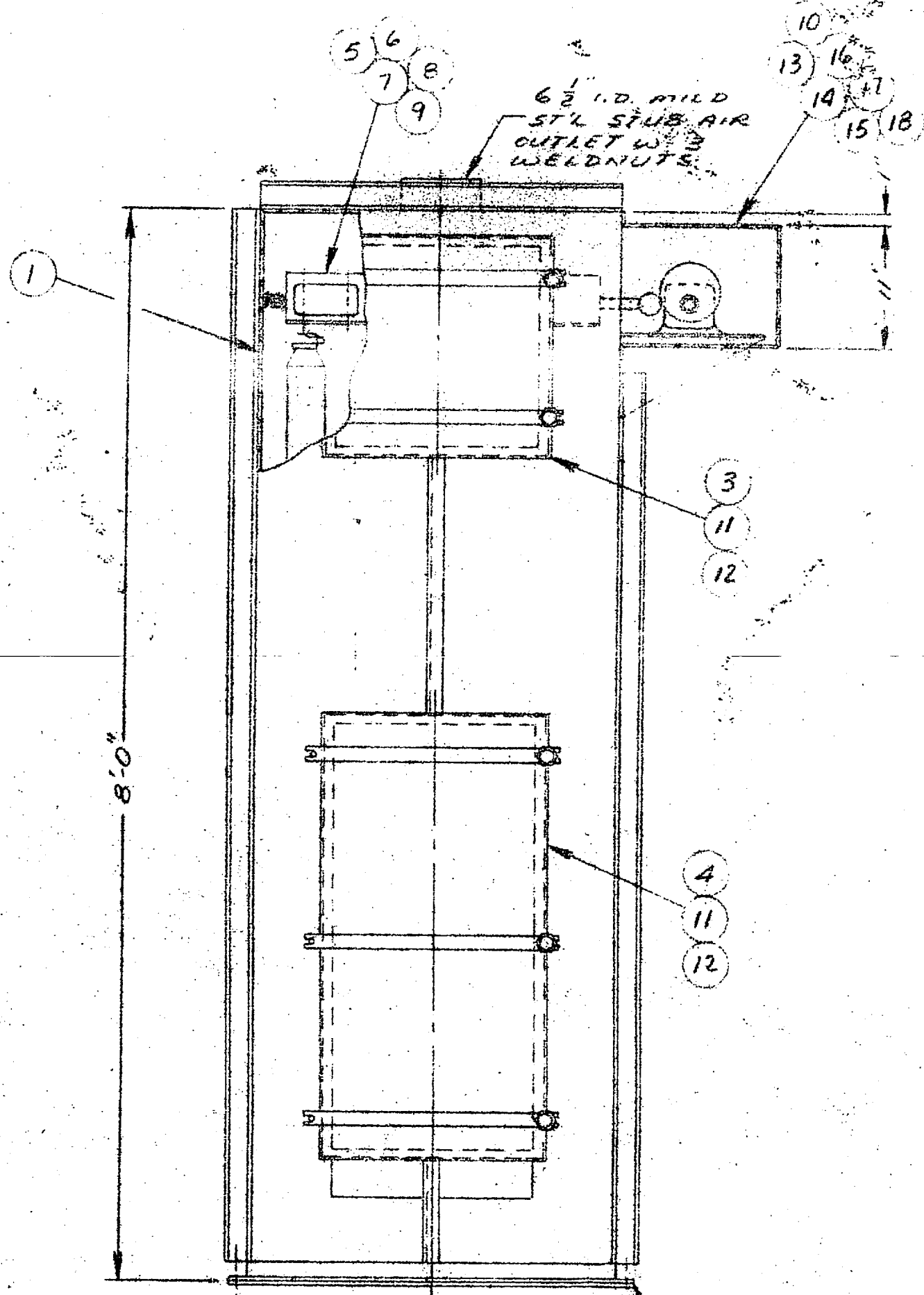
COMPRESSOR & PIPING ASSEMBLY

NEW RIVER WATER TR. PLANT
 DRAWING NUMBER: C108 0051



CERTIFIED FOR CONSTRUCTION
 ALL MATERIALS ARE BEING RELEASED FOR FABRICATION.
 REV. 0 DATE
 BY PAUL D. TERRANCE DATE 12-26-83
EVO CORPORATION

NOTE:
 1. DESIGN PRESSURE 110" W.C.
 2. SHAKER DRIVEN BY 1/2 H.P. 115 V.A.C. MOTOR DESIGNED TO OPERATE AT 1140 RPM'S.
 3. ITEM # 19 IS A MODEL PB-10 BLOWER W-A 1/2 H.P. 230-260-360 TERE MOTOR.
 4. EXTERIOR MILD STL SURFACES ARE WIRE BRUSHED & SOLVENT WIPED. NO PRIMER.
 5. UNIT HAS A FILTER CLOTH AREA OF 295 FT².
 6. APPROX. WEIGHT OF UNIT: 550 LBS.



ITEM	MATL	PART #	QTY	DESCRIPTION
19	CAST ALUM	PB10T01D	1	BLOWER-SEE NOTE # 3
18	MILD STL	-	1	1" DIA. SHAFT W. FOLLOWER
17	RUBBER	-	1	DIAPHRAGM W. COLLARS (2
16	MILD STL	-	1	MOTOR HSY'S
15	MILD STL	-	1	MOTOR PLATFORM
14	-	SEE NOTE #1	1	SHAKER MOTOR
13	MILD STL	-	1	ECCENTRIC WHEEL
12	MILD STL	2094-4001	5	DOOR NOBS
11	BLK NEOPRENE	0996-5002	2500	3/4" X 1" SPONGE GASKET
10	BLK NEOPRENE	0996-5001	2500	3/16" X 3/8" "
9	PAVLE	7234-1200	36	FILTER BAGS
8	MILD STL	-	3	6" X 2 1/4" ROCKER TUBES
7	STL	-	1	RECOIL SPRING
6	MILD STL	-	1	SHAKER SPRING ASS'Y
5	MILD STL	2084-9118	36	BAG HOOKS
4	"	2094-7113	1	ACCESS DOOR 18" X 38"
3	"	2094-7110	1	ACCESS DOOR 18" X 18"
2	"	2984-0120	1	PLENUM DIVIDER
1	"	FH036096	1	FILTER HSY'S WELDMENT

SEE FLTY DETAIL FOR MT'S PATTERN

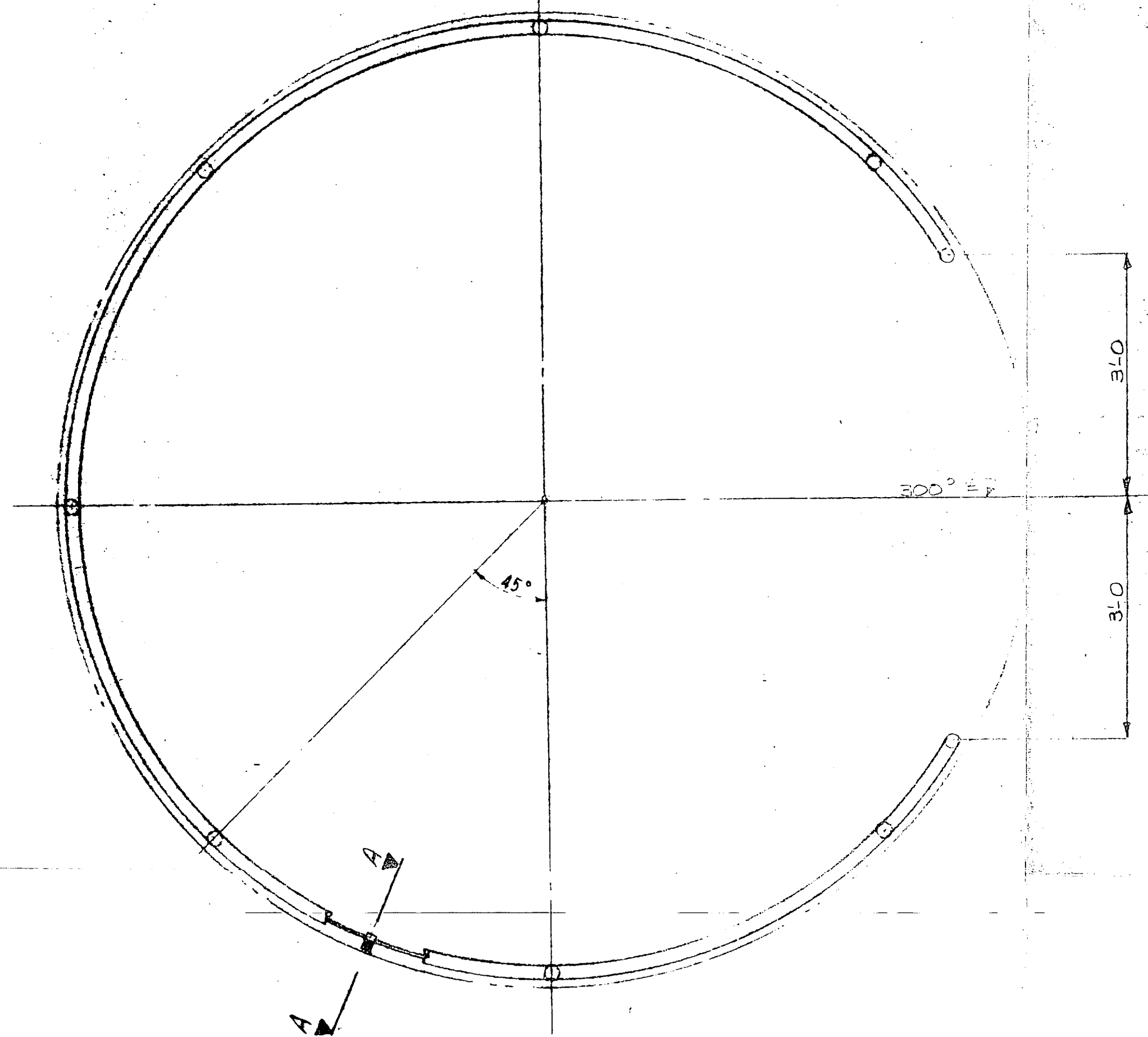
EVO CORPORATION
 9325 BYRON ST. SCHILLER PK., ILL. 60176

SCALE: N.T.S. APPROVED BY: PO # 50 # DRAWN BY
 DATE: 9-19-83 071483-2 5033 REVISED

MECHANICAL SHAKER
 M5036007-66M57-295

WHM SYSTEMS INC. DRAWING NUMBER 3080-1434
IMPERIAL INDUSTRIES INC.

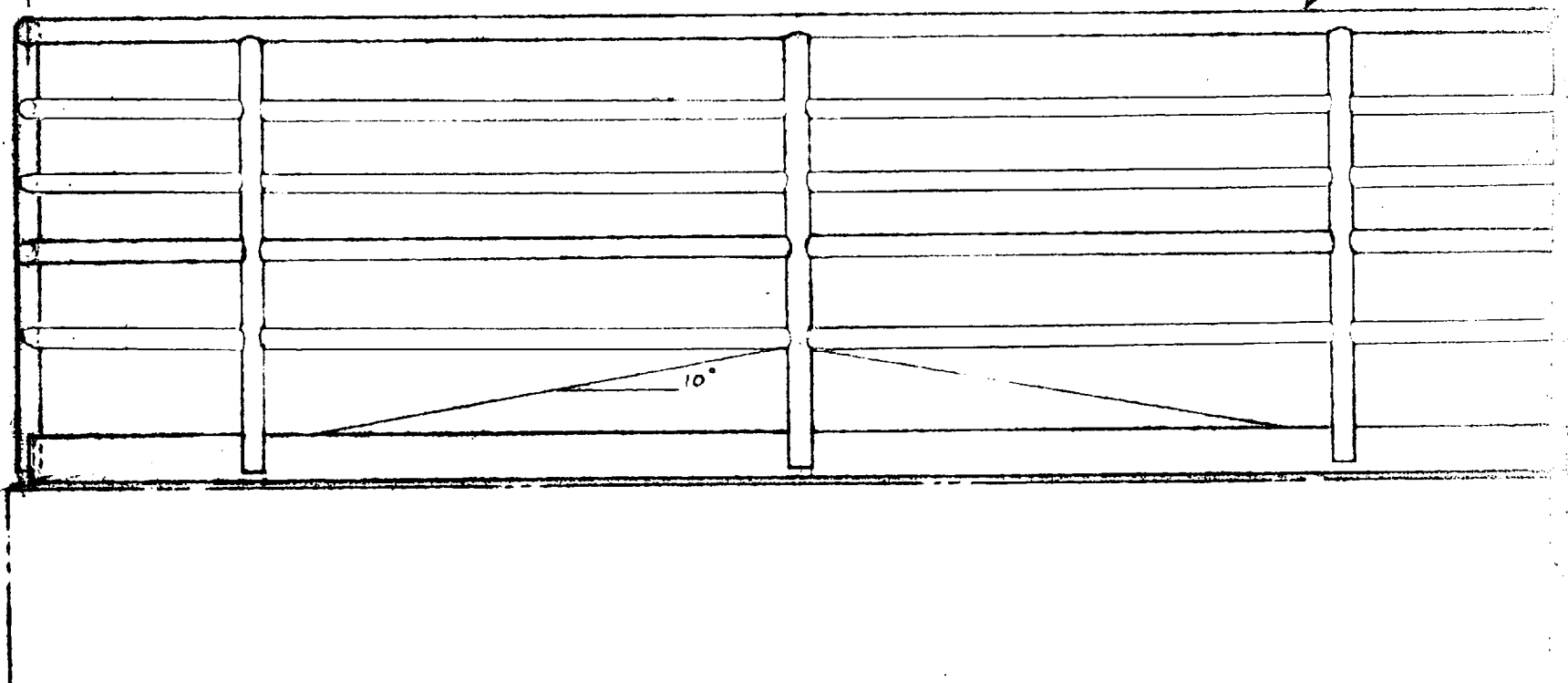
REPRODUCED FROM THE
ORIGINAL MANUSCRIPT
BY THE
NATIONAL ARCHIVES
SERIALS ACQUISITION
SECTION



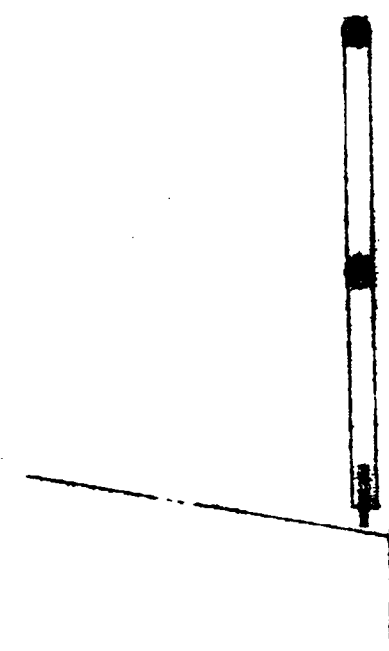
PAINT
 COMMERCIAL BLAST CLEANED SSPC SP6 POWER WASH
 WITH SOLUBLE SOLVENTS. APPLY PRIMER COAT
 IN 1 HOUR. APPLY 2 COATS OF RUSTOLEUM
 HIGH GLOSS WHITE 2.0
 14125 3.0

11/8 DIA 9/16 POST & RAIL

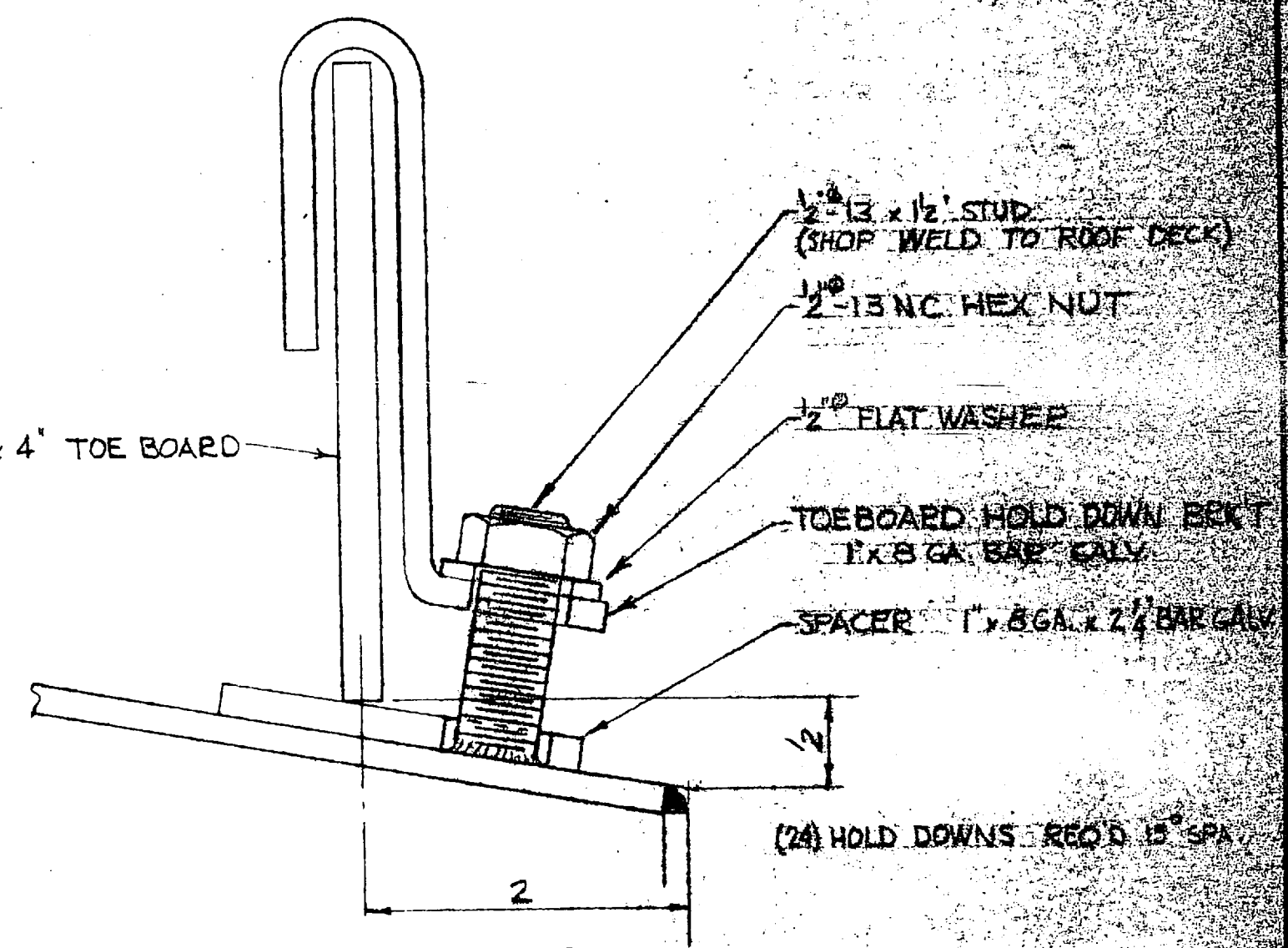
1/2" SCH 40 ALUM. PIPE



NOTE: RAILING DELIVERED AS A WELDED SECTION
 READY FOR FIELD ASS'Y TO BIN BY USING
 HOLD DOWN BRACKETS AS SHOWN IN
 SECTION A-A (FURNISHED)

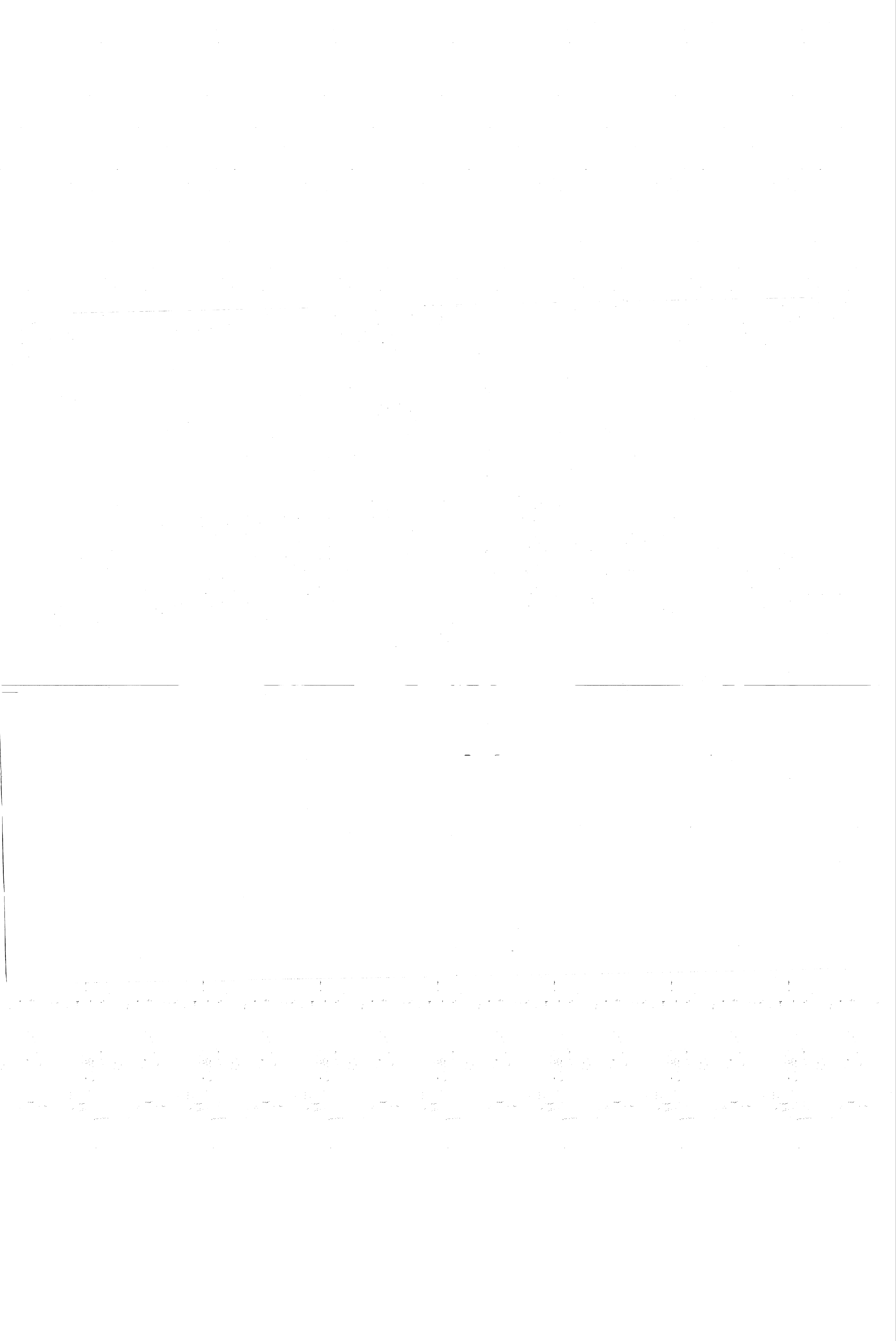


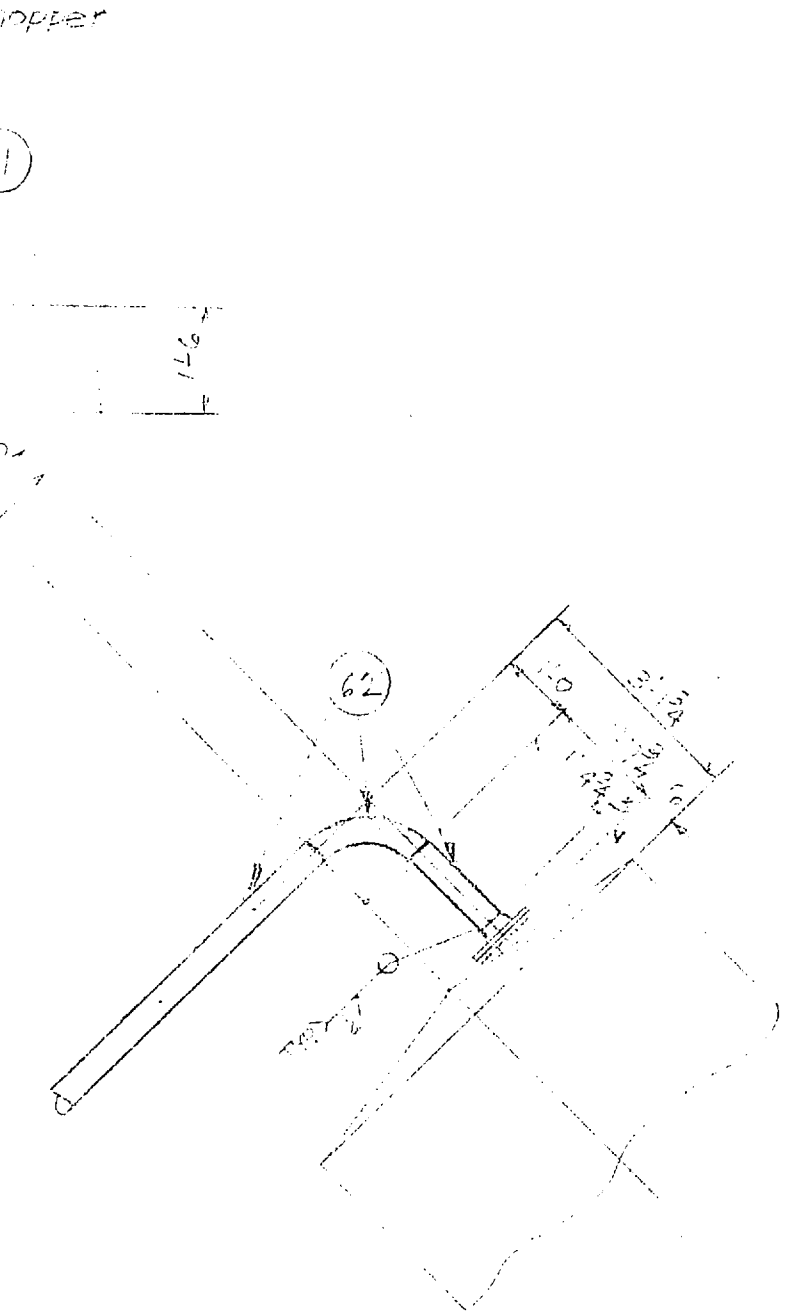
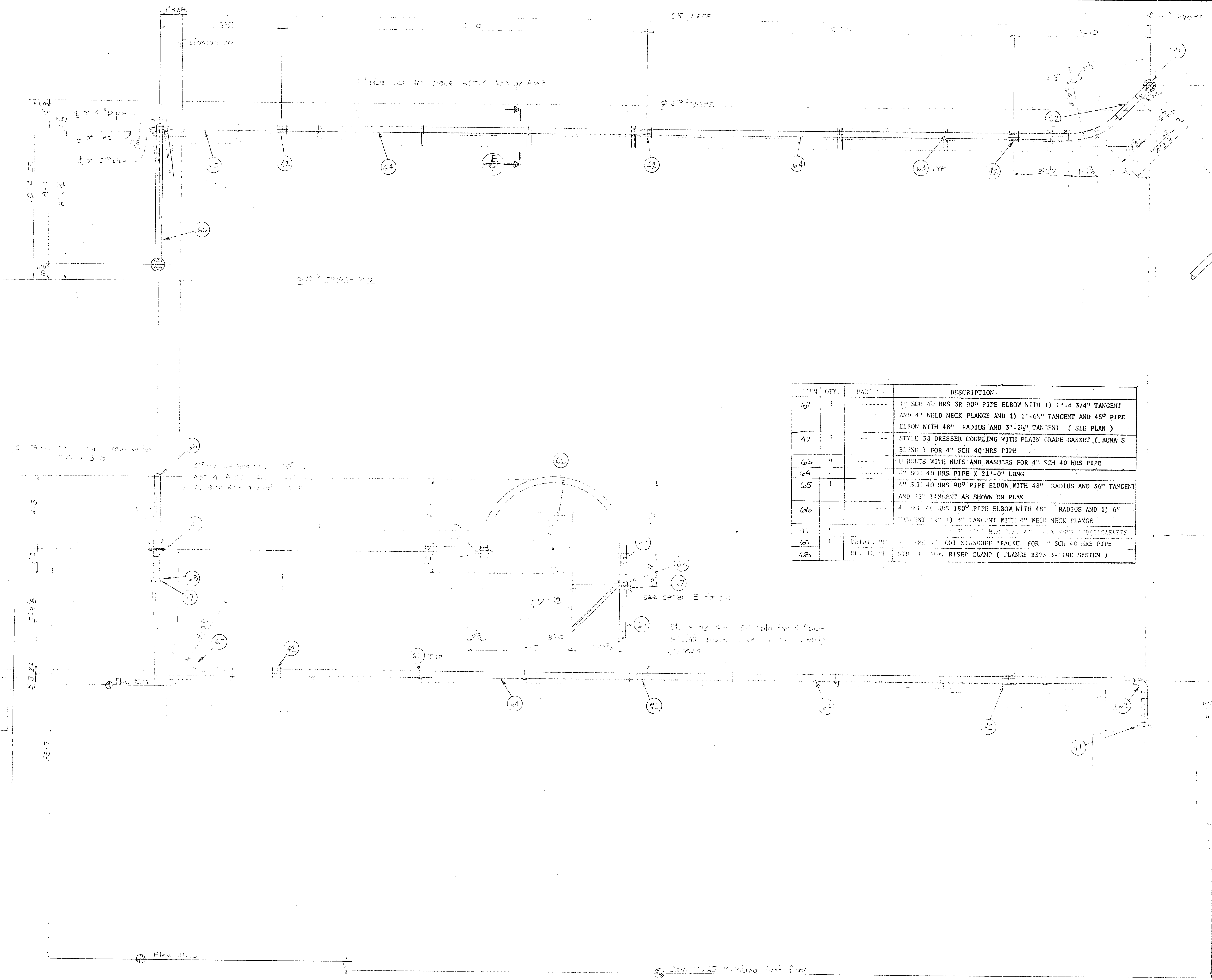
CROSS SECTION THRU RAILING



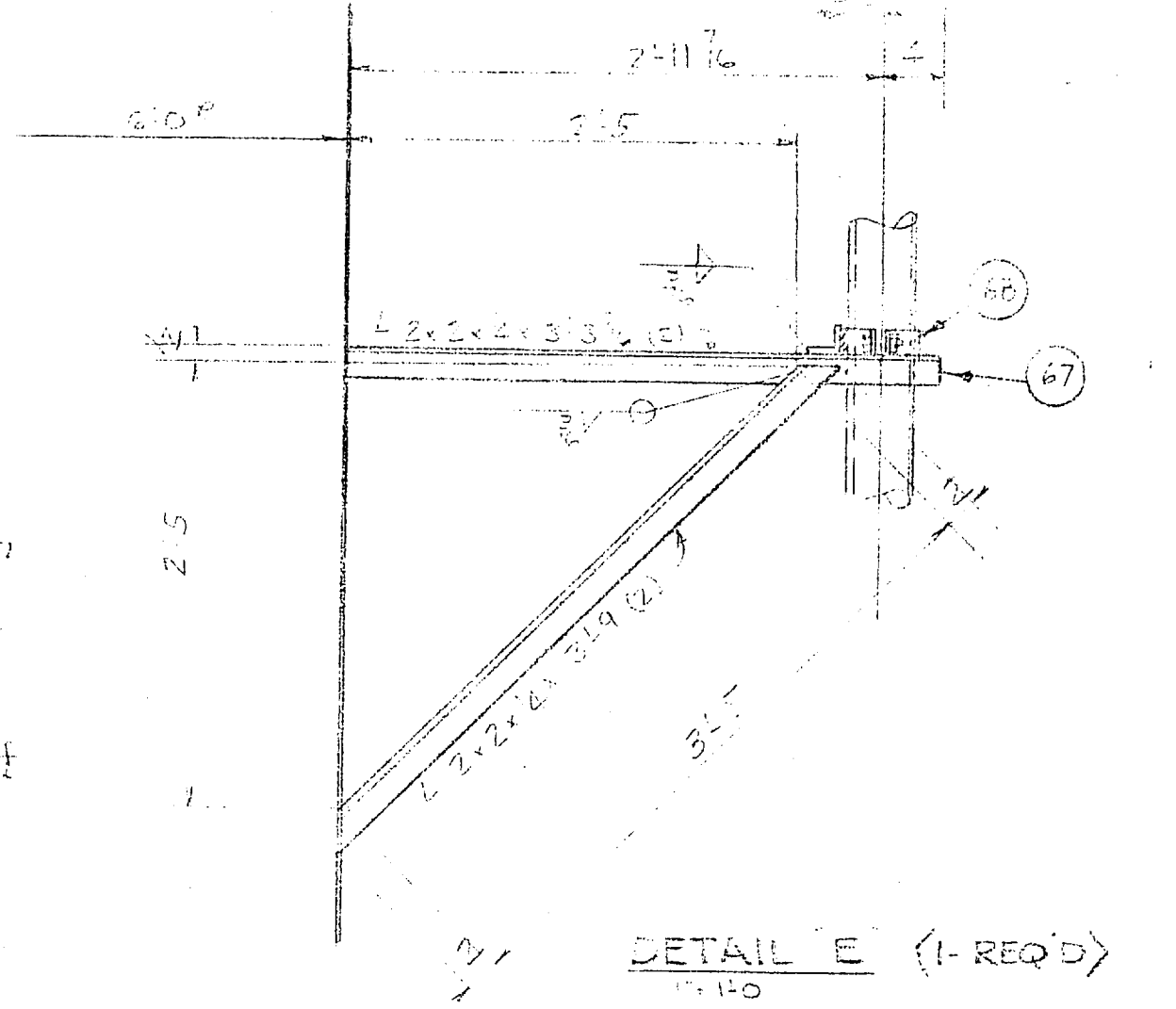
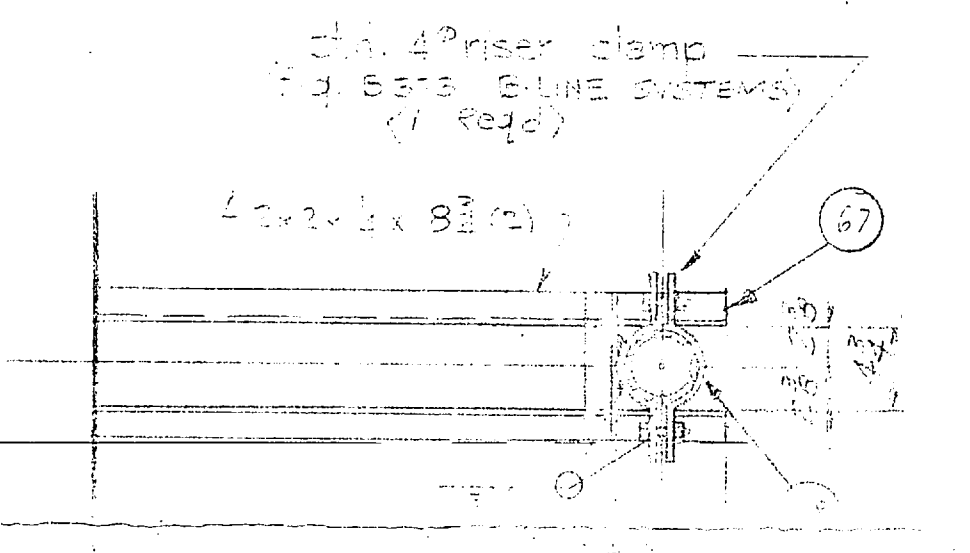
SECTION 'A-A'
 SCALE: FULL SIZE

NO.	DATE	DESCRIPTION	BY
SCALE: 3/4"=1'-0"	APPROVED BY:	FIELD NO:	DRAWN BY: <i>WJ</i>
DATE: 10-27-83		071483	REVISED:
ROOF RAILING ASS'Y (SPECIAL)			
FOR: JOB # 214 DEPT OF NAVY NEW RIVER WATER TR PLANT MCAS - NEW RIVER, JACKSONVILLE NC.			DRAWING NUMBER: C452-000 SHEET: 1/1



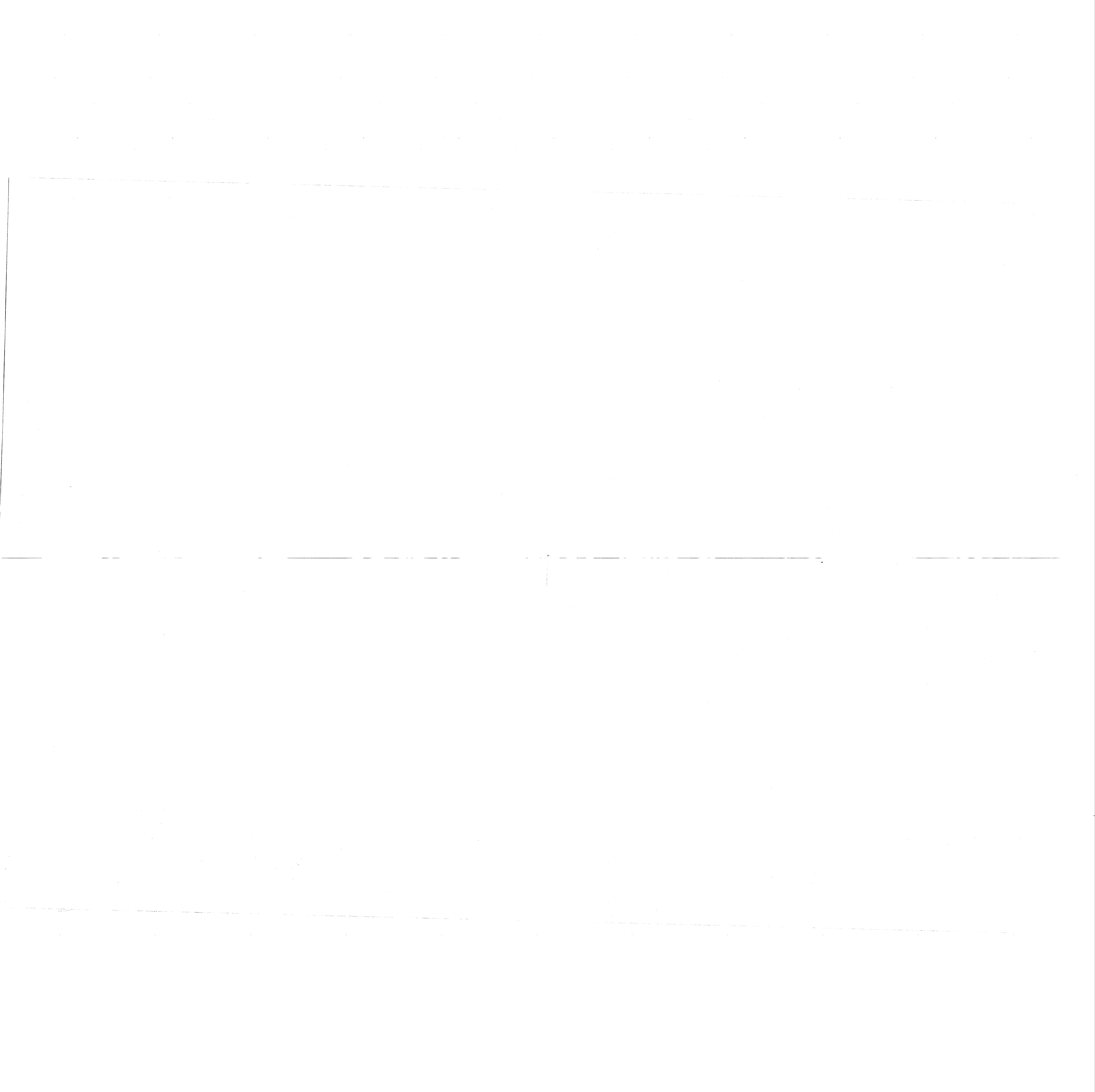


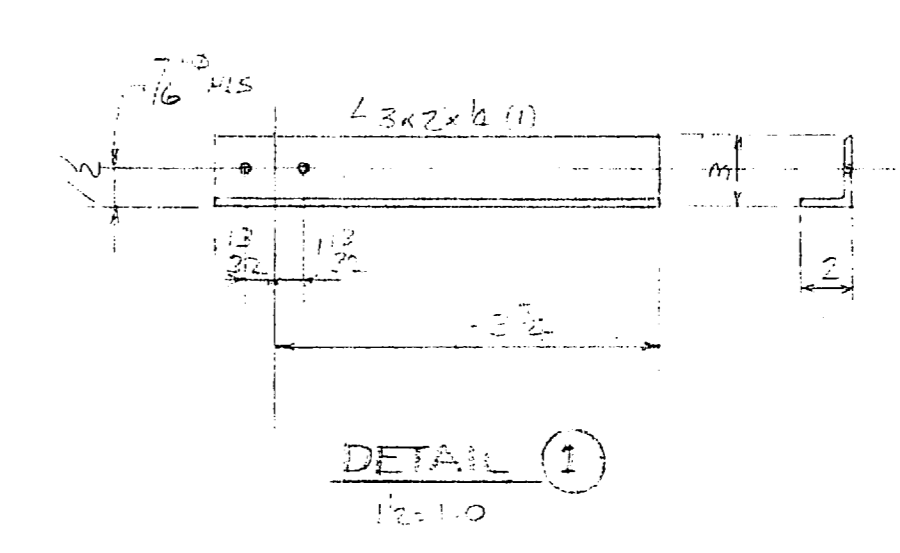
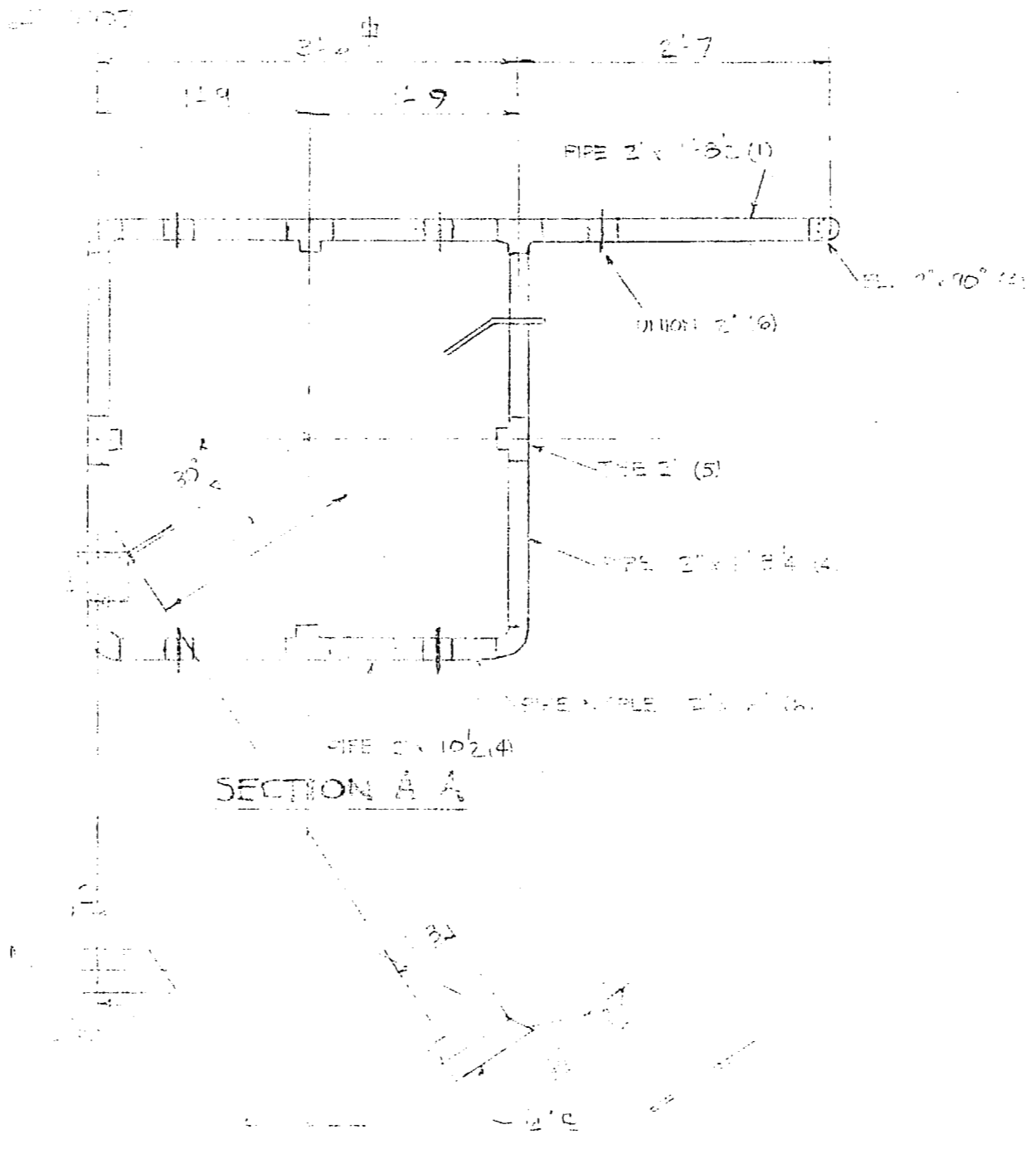
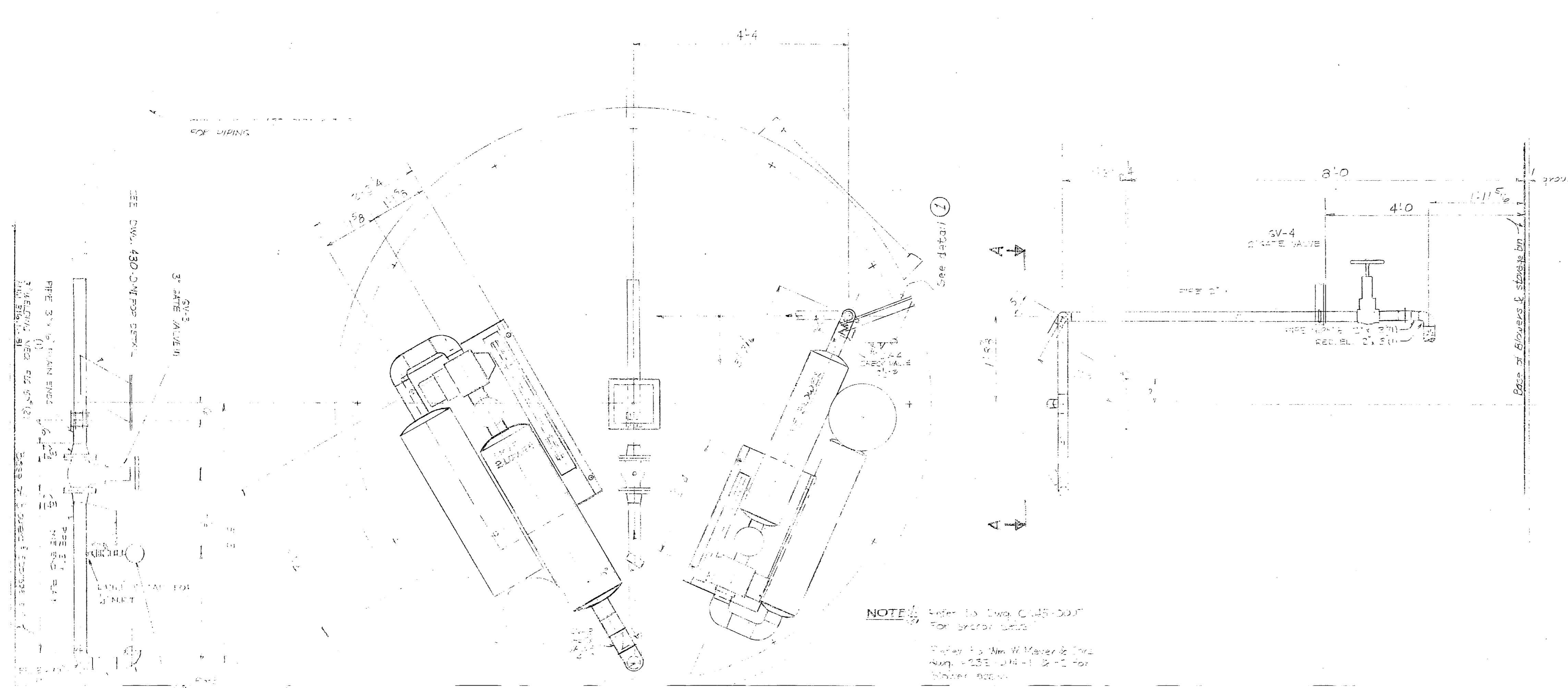
ITEM	QTY.	PART NO.	DESCRIPTION
41	1		4" SCH 40 HRS 90° PIPE ELBOW WITH 1) 1'-4 3/4" TANGENT AND 4" WELD NECK FLANGE AND 1) 1'-6 1/4" TANGENT AND 4 5/8" PIPE ELBOW WITH 48" RADIUS AND 3'-2 1/4" TANGENT (SEE PLAN)
42	3		STYLE 38 DRESSER COUPLING WITH PLAIN GRADE GASKET (DUNA S BLIND) FOR 4" SCH 40 HRS PIPE
45	9		U-BOLTS WITH NUTS AND WASHERS FOR 4" SCH 40 HRS PIPE
44	2		4" SCH 40 HRS PIPE X 21'-0" LONG
45	1		4" SCH 40 HRS 90° PIPE ELBOW WITH 48" RADIUS AND 36" TANGENT AND 32" TANGENT AS SHOWN ON PLAN
46	1		4" SCH 40 HRS 180° PIPE ELBOW WITH 48" RADIUS AND 1) 6" TANGENT AND 1) 3" TANGENT WITH 4" WELD NECK FLANGE
41	1		4" SCH 40 HRS 180° PIPE ELBOW WITH 48" RADIUS AND 1) 6" TANGENT AND 1) 3" TANGENT WITH 4" WELD NECK FLANGE
47	1		DETAIL 'E' PIPE SUPPORT STANDOFF BRACKET FOR 4" SCH 40 HRS PIPE
48	1		DETAIL 'E' STD. 1" DIA. RISER CLAMP (FLANGE B373 B-LINE SYSTEM)



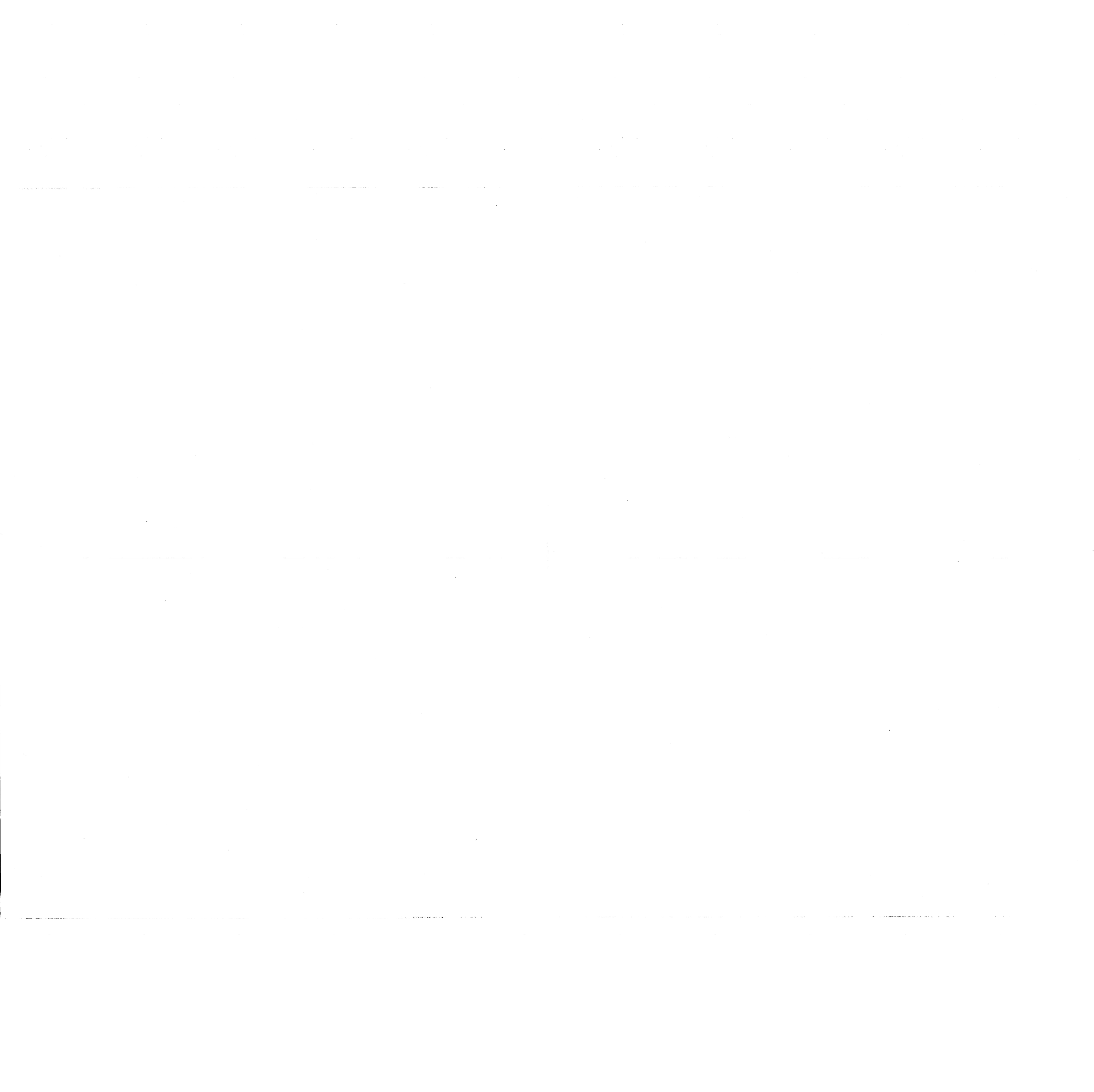
W-M SYSTEMS INCORPORATED OF WAUKESHA
 N5 W22872 West Bluffmont Road, Waukesha, Wisconsin 53186
 SCALE: 3/4"=1'-0" APPROVED BY: TECH. ENG. DRAWN BY: RLM
 DATE: 8-17-87 PART NO: 071483 REVISED:
 VENT PIPE ASSY HOPPER TO STORAGE SILO
 FOR: NEW RIVER WATER TR. PLANT DRAWING NUMBER: 0425-0100

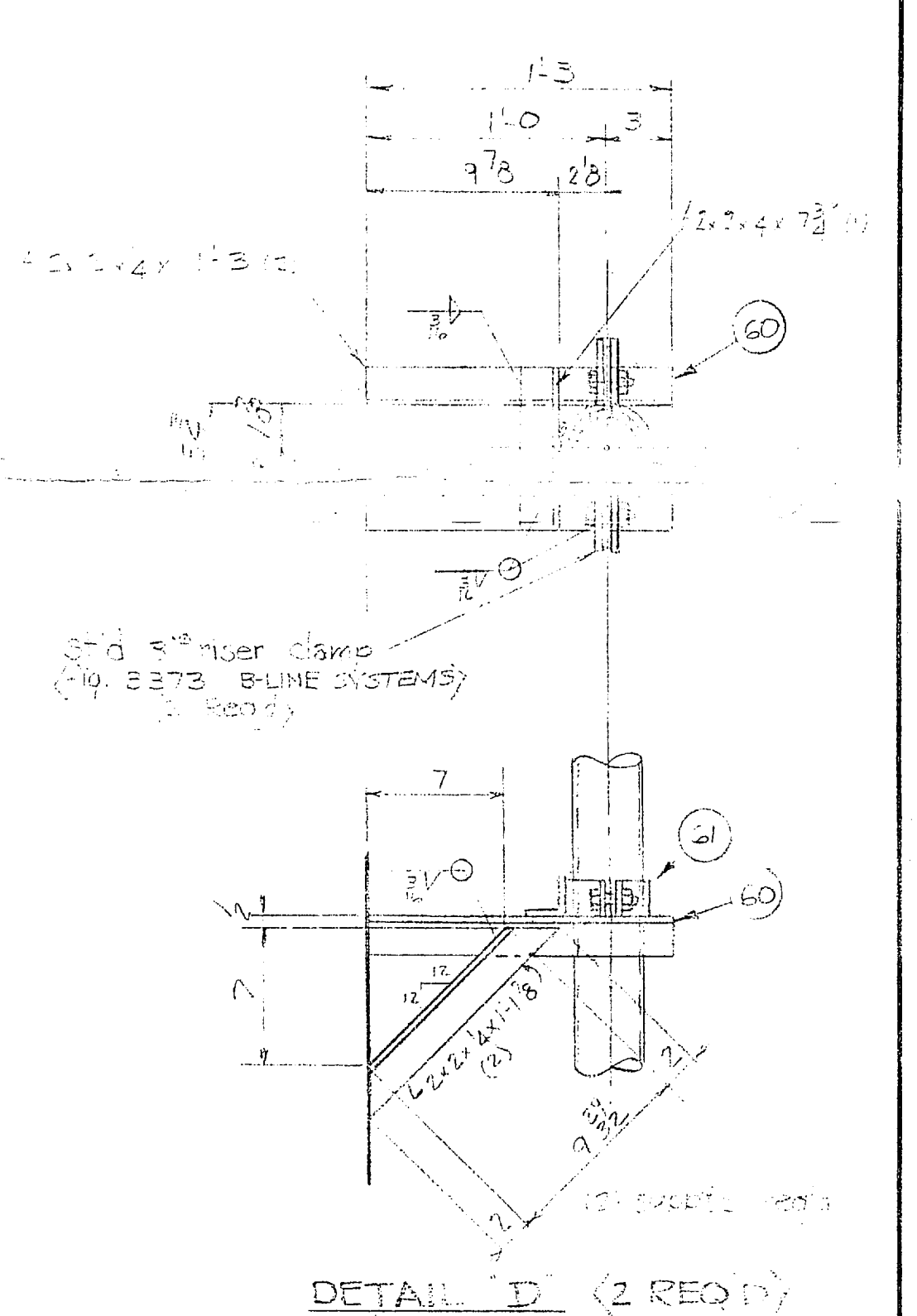
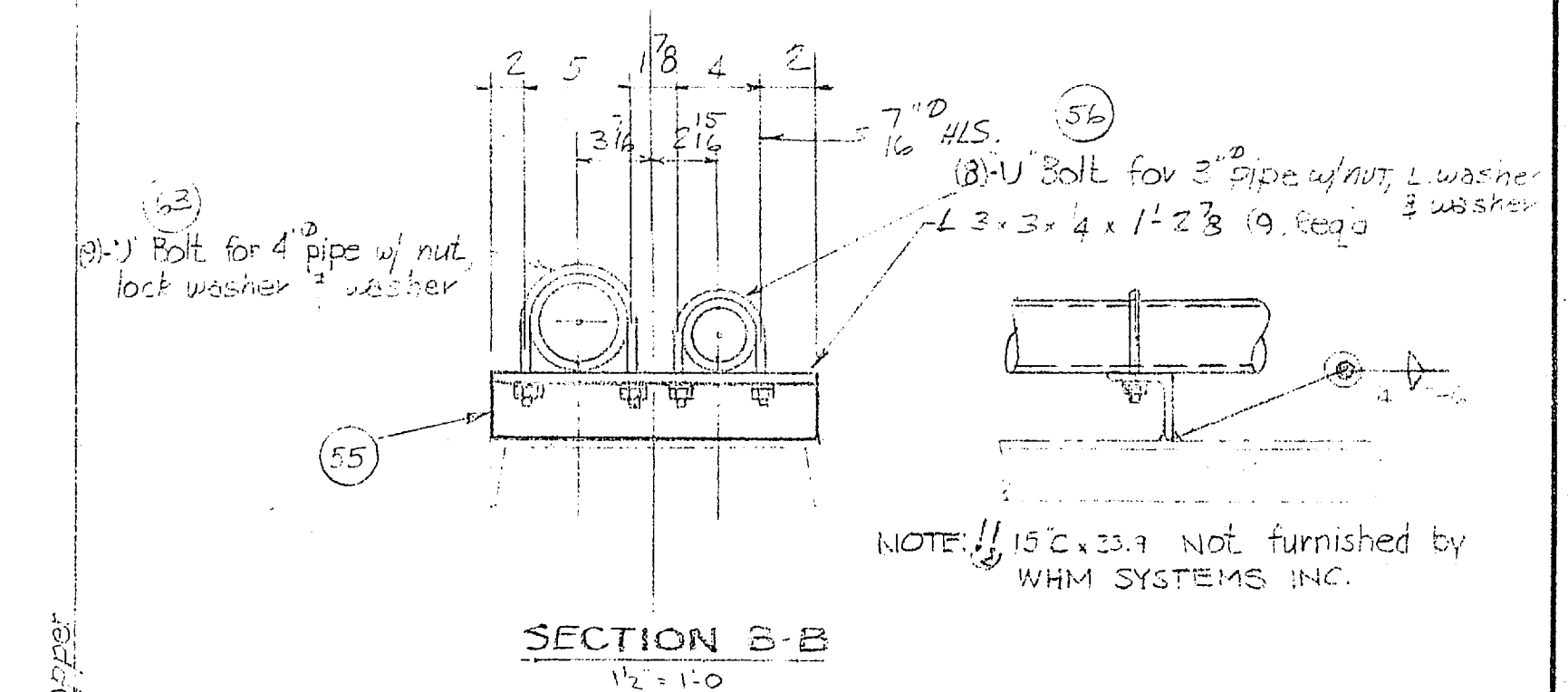
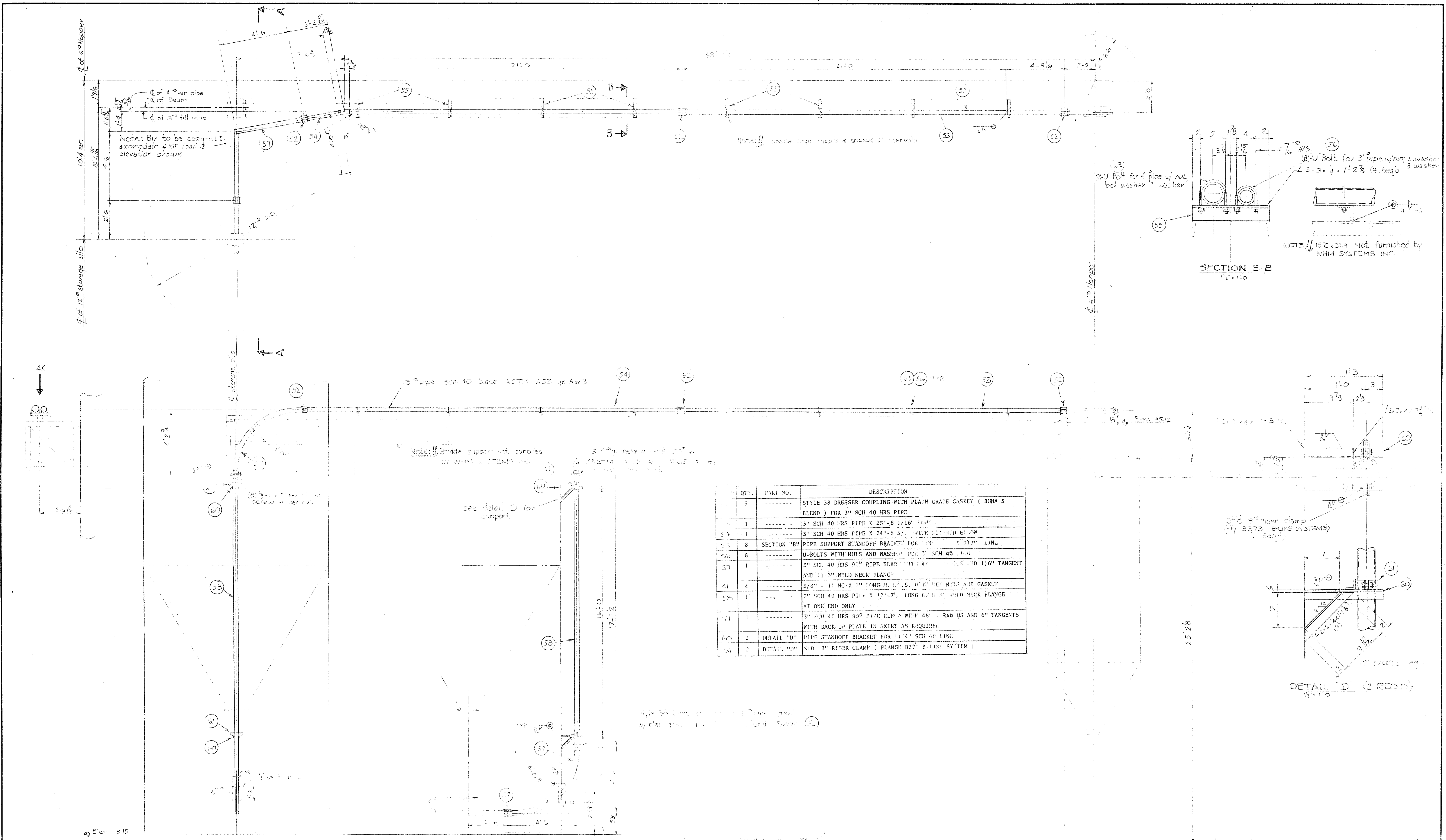
1/4" = 1' PRINTED ON NO. 10000 CLEARFILM





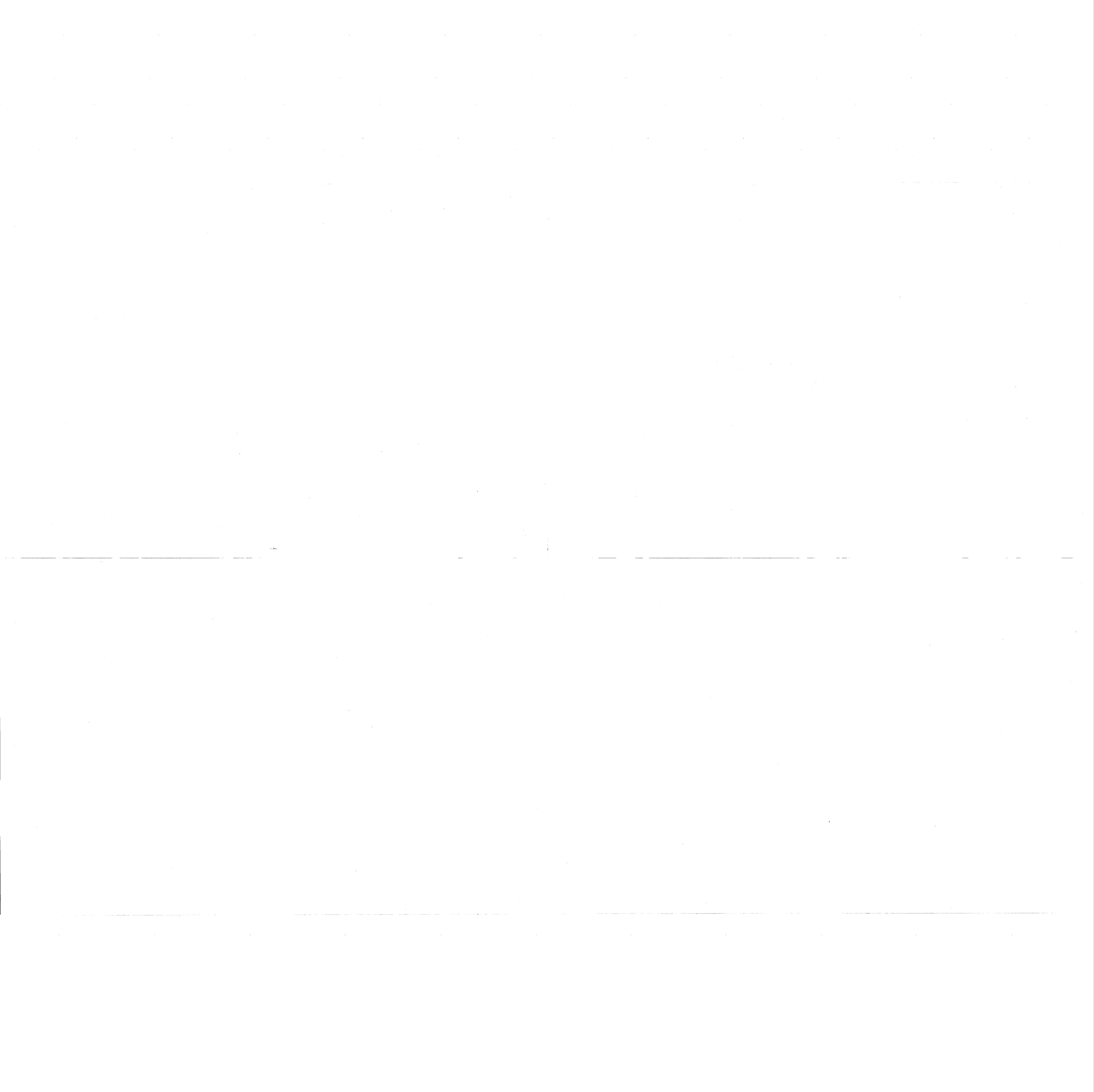
W-M SYSTEMS INCORPORATED OF WAUKESHA			
N5 W22872 West Bluemound Road, Waukesha, Wisconsin 53186			
SCALE: 1/4" = 1'-0"	APPROVED BY:	PROJECT:	DRAWN BY:
DATE: 5-23-82		071483	REVISED
BLOWER & PIPE ARRANGEMENT			
FOR:			DRAWING NUMBER:
NEW RIVER WATER TR. PLANT			C464-0001

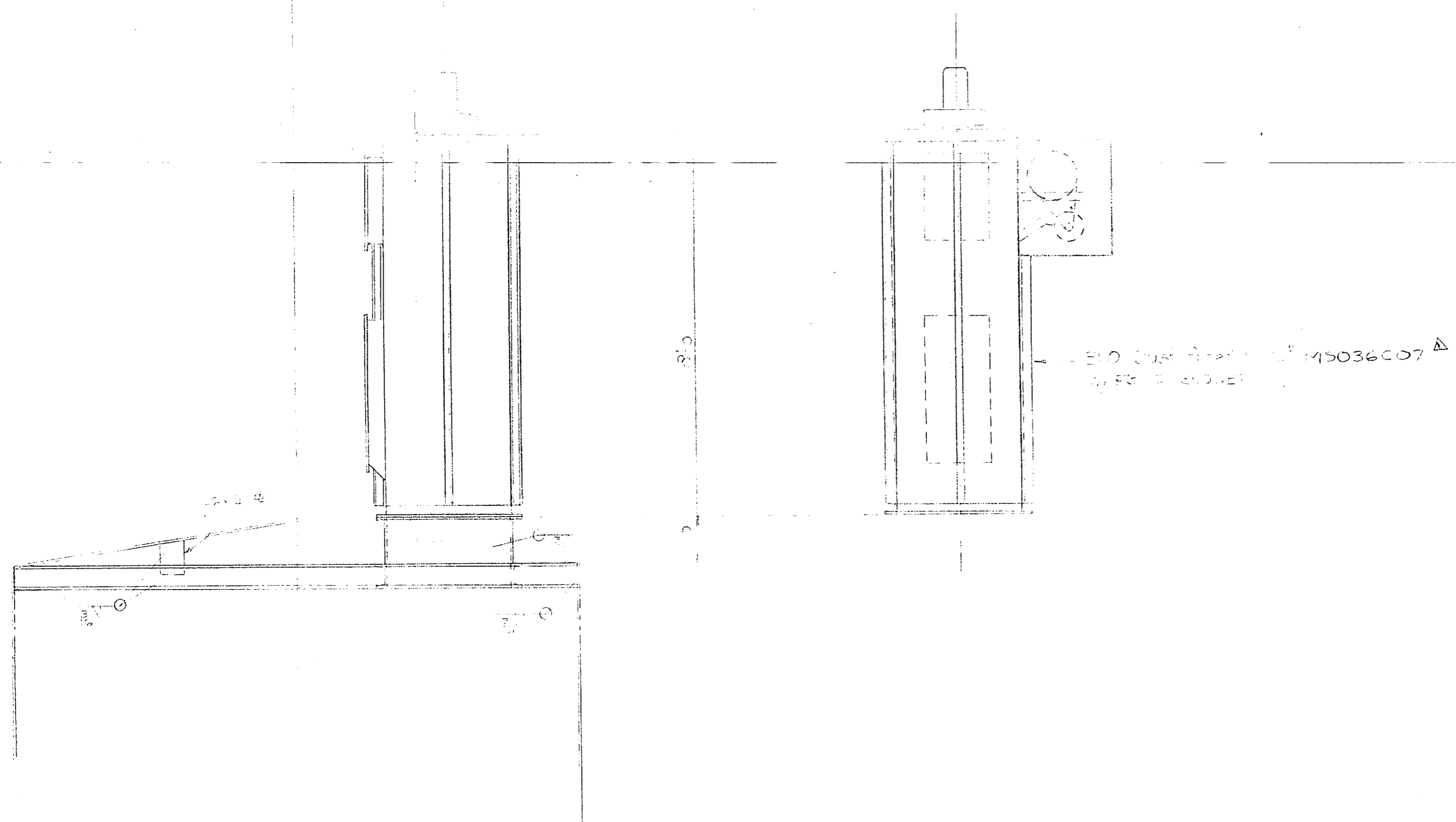
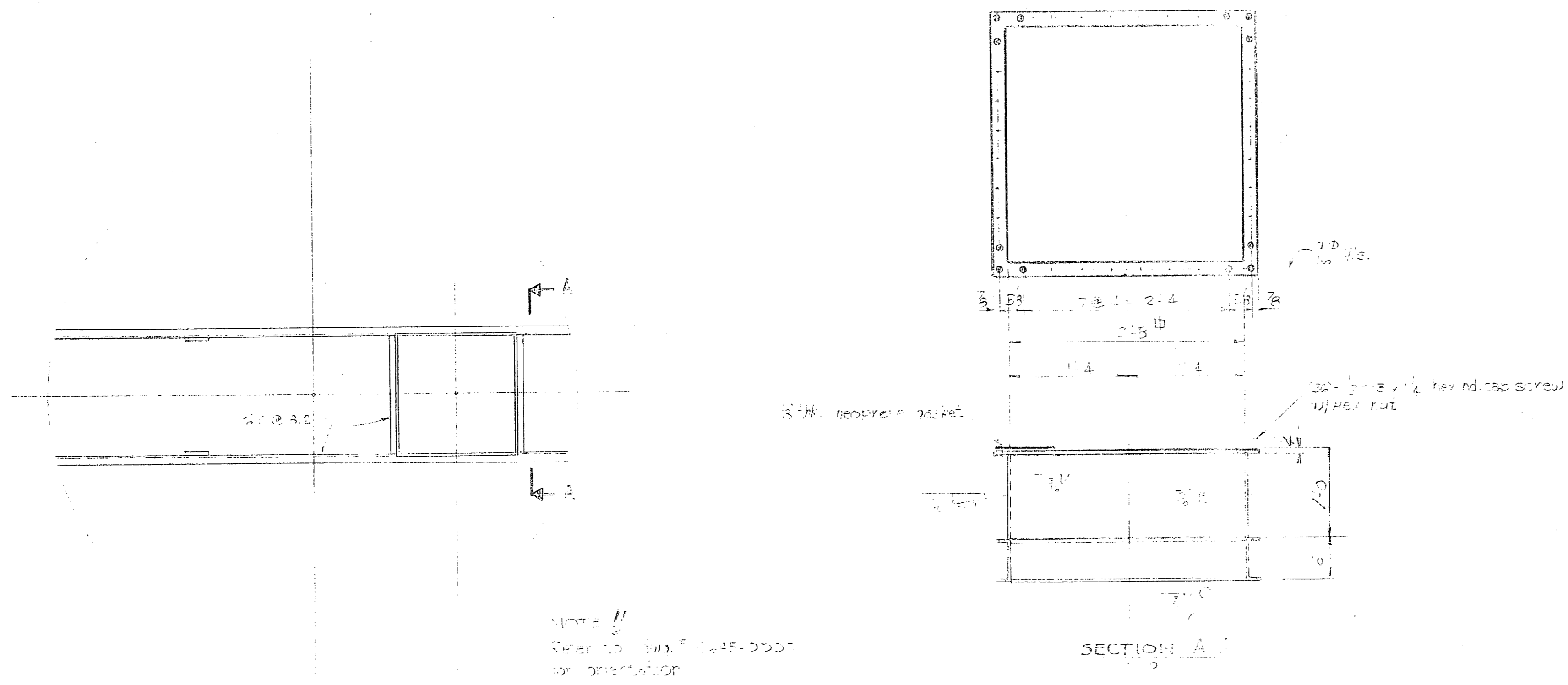




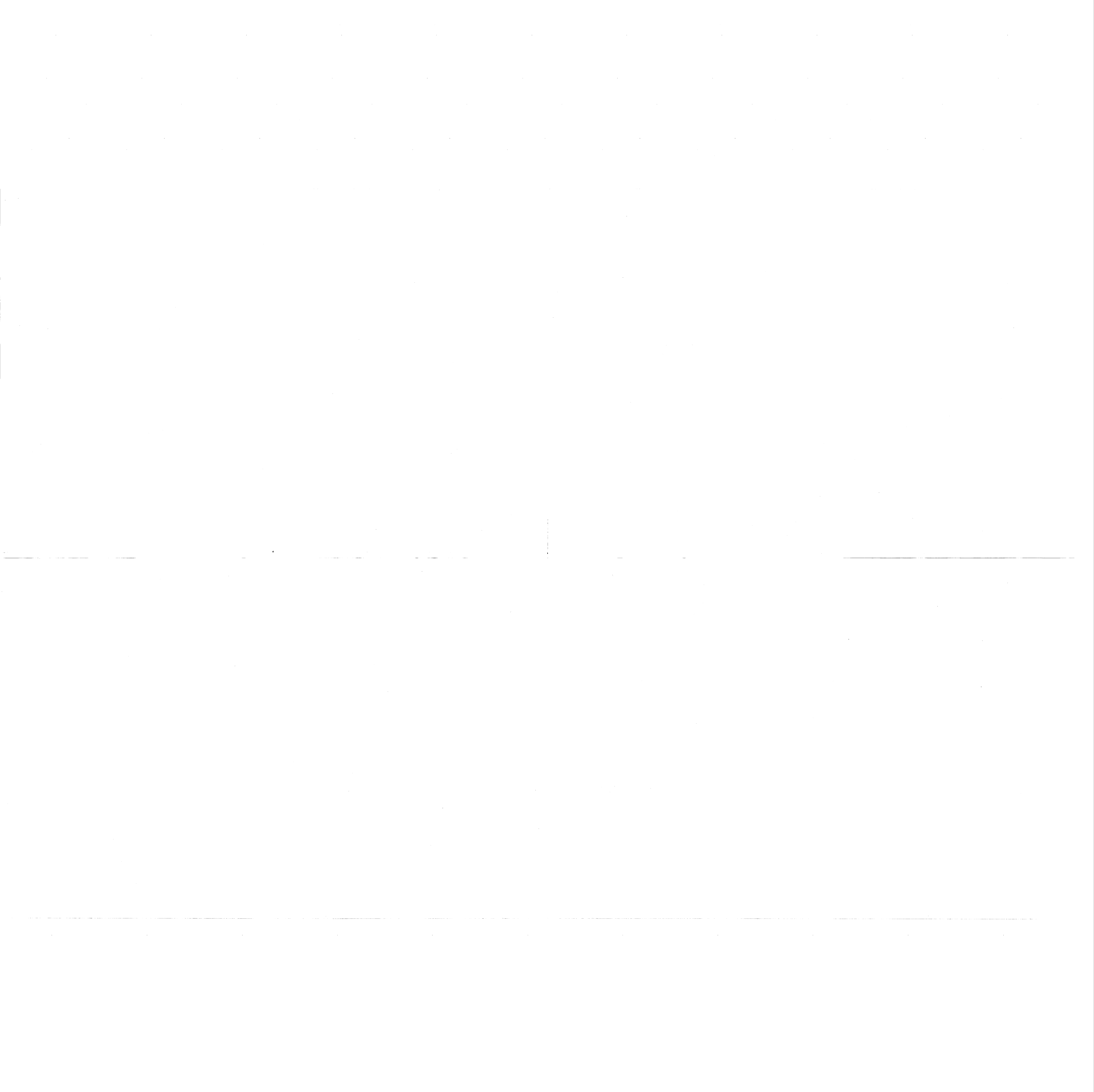
QTY.	PART NO.	DESCRIPTION
5	-----	STYLE 38 DRESSER COUPLING WITH PLAIN GRADE GASKET (BUNA S BLEND) FOR 3" SCH 40 PIPE
1	-----	3" SCH 40 HRS PIPE X 25'-8 1/16" LONG
1	-----	3" SCH 40 HRS PIPE X 24'-6 3/4" W/ 1" WELD BEAM
8	SECTION "B"	PIPE SUPPORT STANDOFF BRACKET FOR 3" SCH 40 LINE
8	-----	U-BOLTS WITH NUTS AND WASHERS FOR 3" SCH 40 LINE
1	-----	3" SCH 40 HRS PIPE ELBOW WITH 4" RADIUS AND 1/2" TANGENT AND 1 1/2" WELD NECK FLANGE
4	-----	5/8" - 11 NC X 3" TANG U.B. WITH 1/2" NUTS AND GASKET
1	-----	3" SCH 40 HRS PIPE X 17'-2 1/2" LONG WITH 1/2" WELD NECK FLANGE AT ONE END ONLY
1	-----	3" SCH 40 HRS 90° PIPE ELBOW WITH 4" RADIUS AND 6" TANGENTS WITH BACK-UP PLATE IN SKIRT AS REQUIRED
2	DETAIL "D"	PIPE STANDOFF BRACKET FOR 1 1/2" SCH 40 LINE
2	DETAIL "D"	STD. 3" RISER CLAMP (FLANGE B373 B-1 IN SYSTEM)

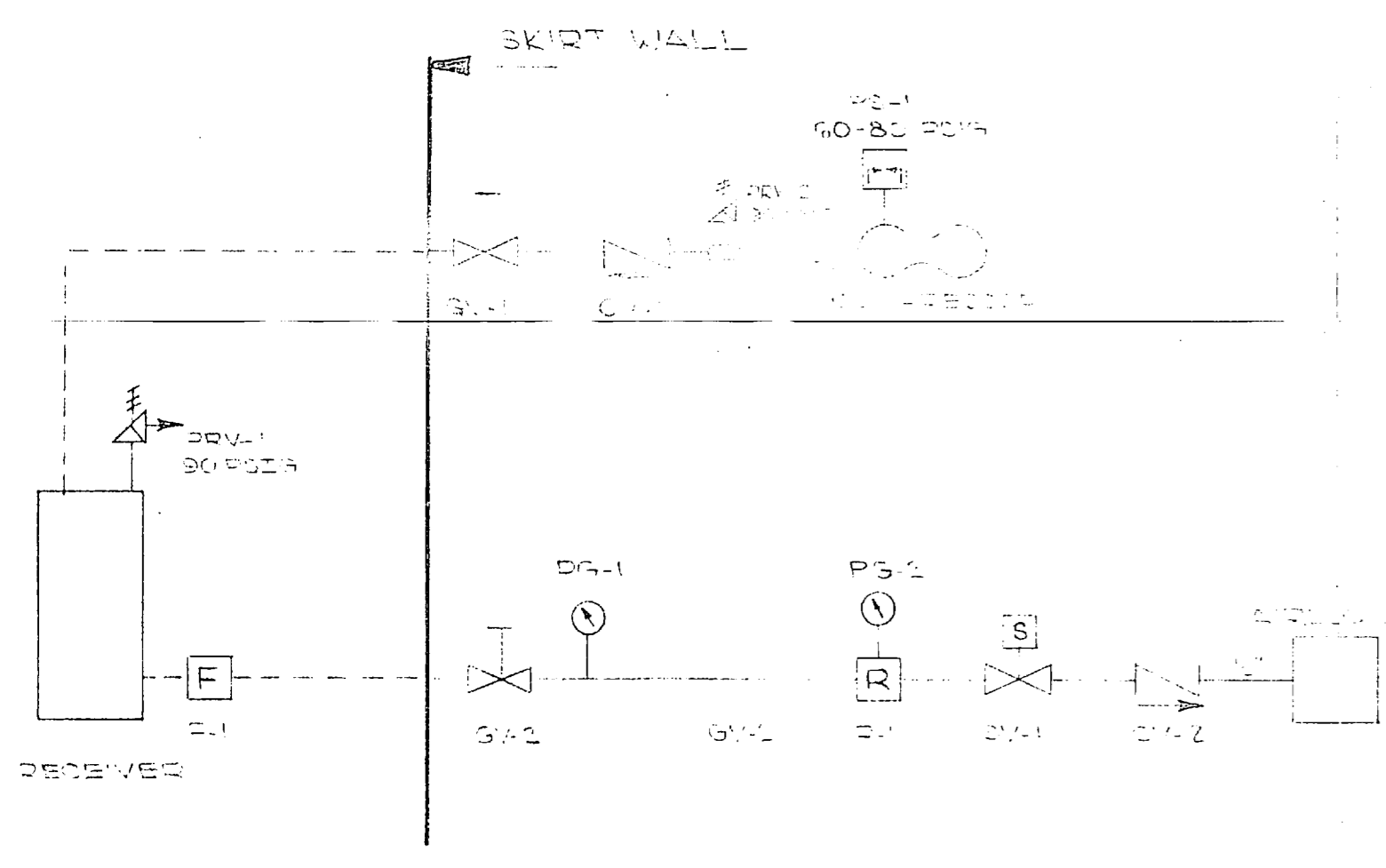
NO.	DATE	DESCRIPTION	APPROVED
REVISIONS			
WHM SYSTEMS INCORPORATED OF WAUKESHA			
NO. W22872 West Bluemound Road, Waukesha, Wisconsin 53186			
SCALE:	AS SHOWN	APPROVED BY:	PROJ. NO.
DATE:	8-16-83	BY:	071483
DRAWN BY:		REVISED:	
LIBME TRANSFER PIPE TO 6" HOPPER		7-23-83	
FOR:			DRAWING NUMBER:
NEW RIVER WATER TR. PLANT			C433-0100





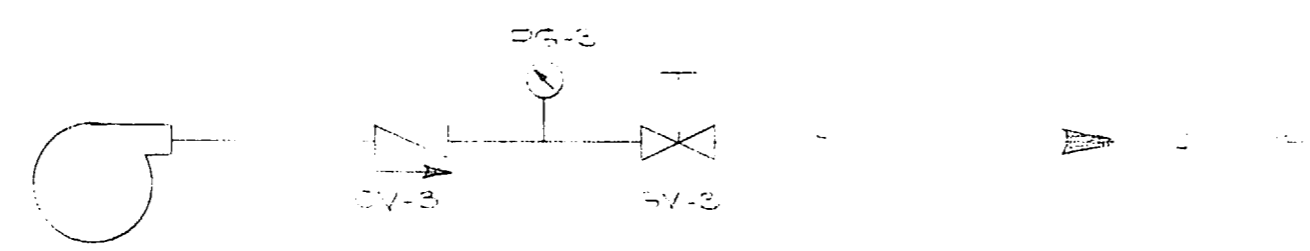
no.	date	description	by
1	11-30-83	CHLD PROD. # (SAND COLLECTOR)	N
revisions			
W-M SYSTEMS INCORPORATED OF WAUKESHA NS W22872 West Bluemound Road, Waukesha, Wisconsin 53186			
SCALE:	APPROVED BY:	DATE:	DRAWN BY:
1/2" = 1'-0"	OT:485	8-18-93	OT
DUST FILTER ASSEMBLY STORAGE BLD			REVISED:
NEW RIVER WATER TR. PLANT			DRAWING NUMBER: 195-0007
			REV. 1



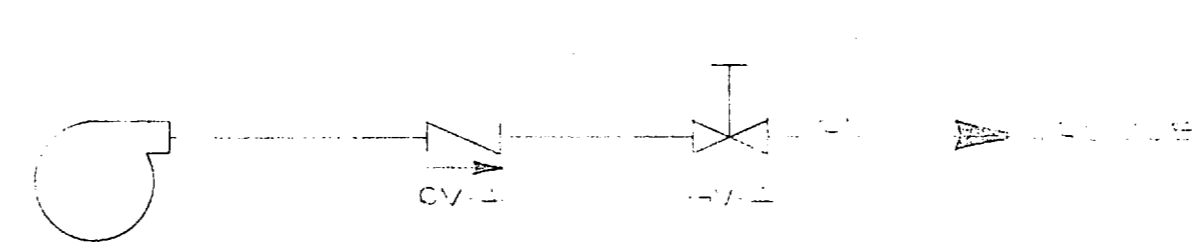


DITCH TO DITCH COLLECTION DRAIN

DASHED LINE BY OTHERS



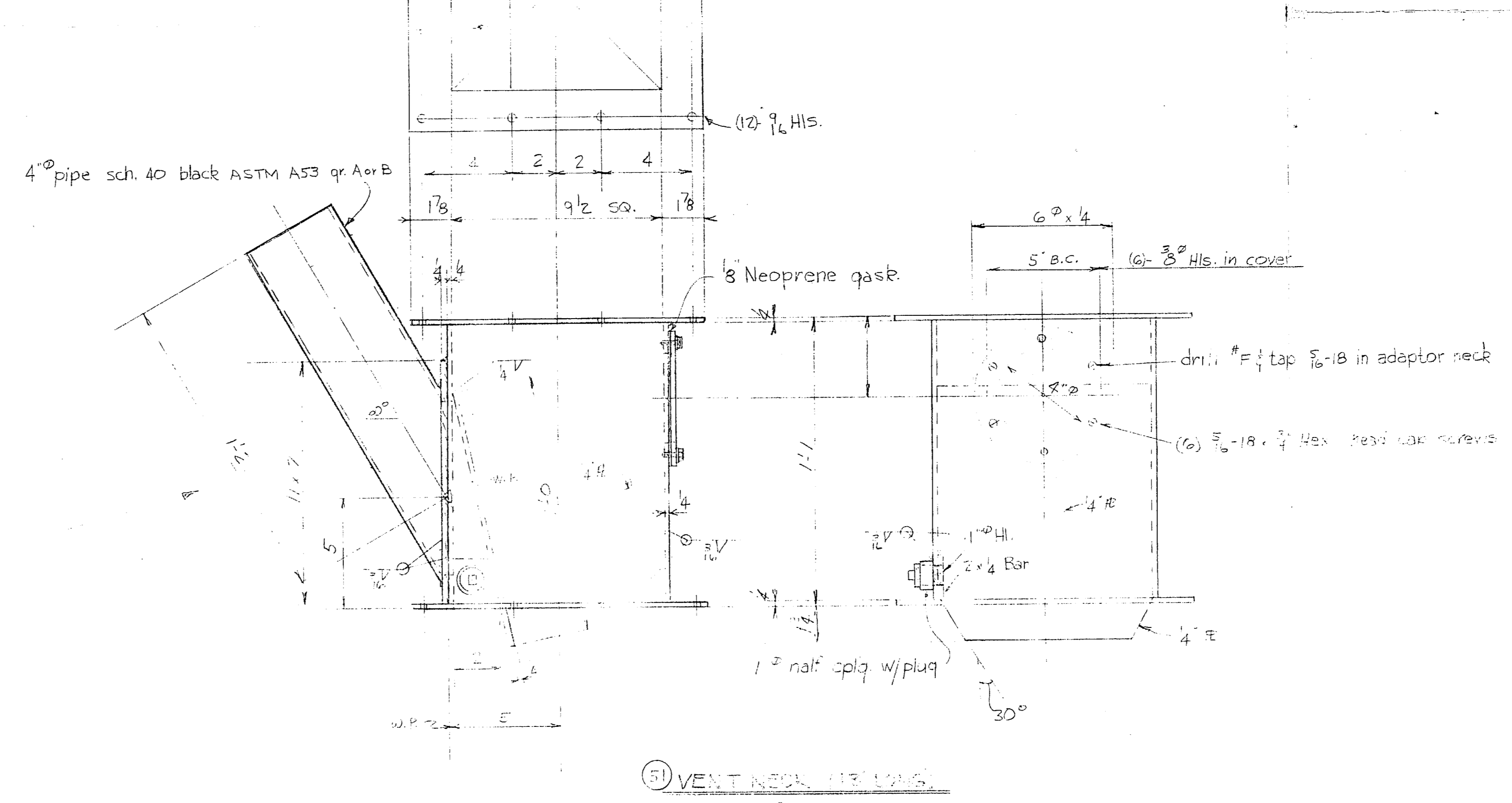
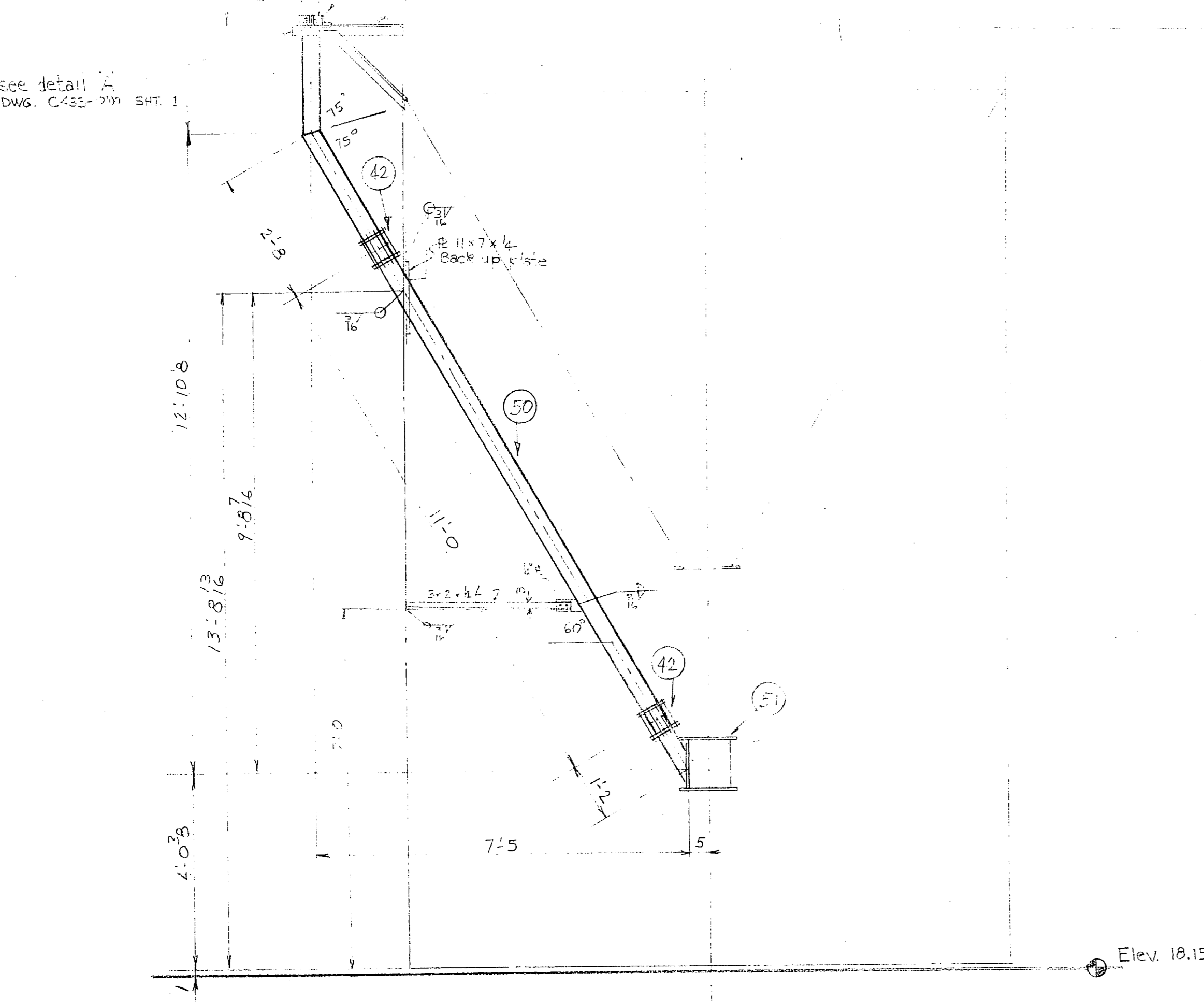
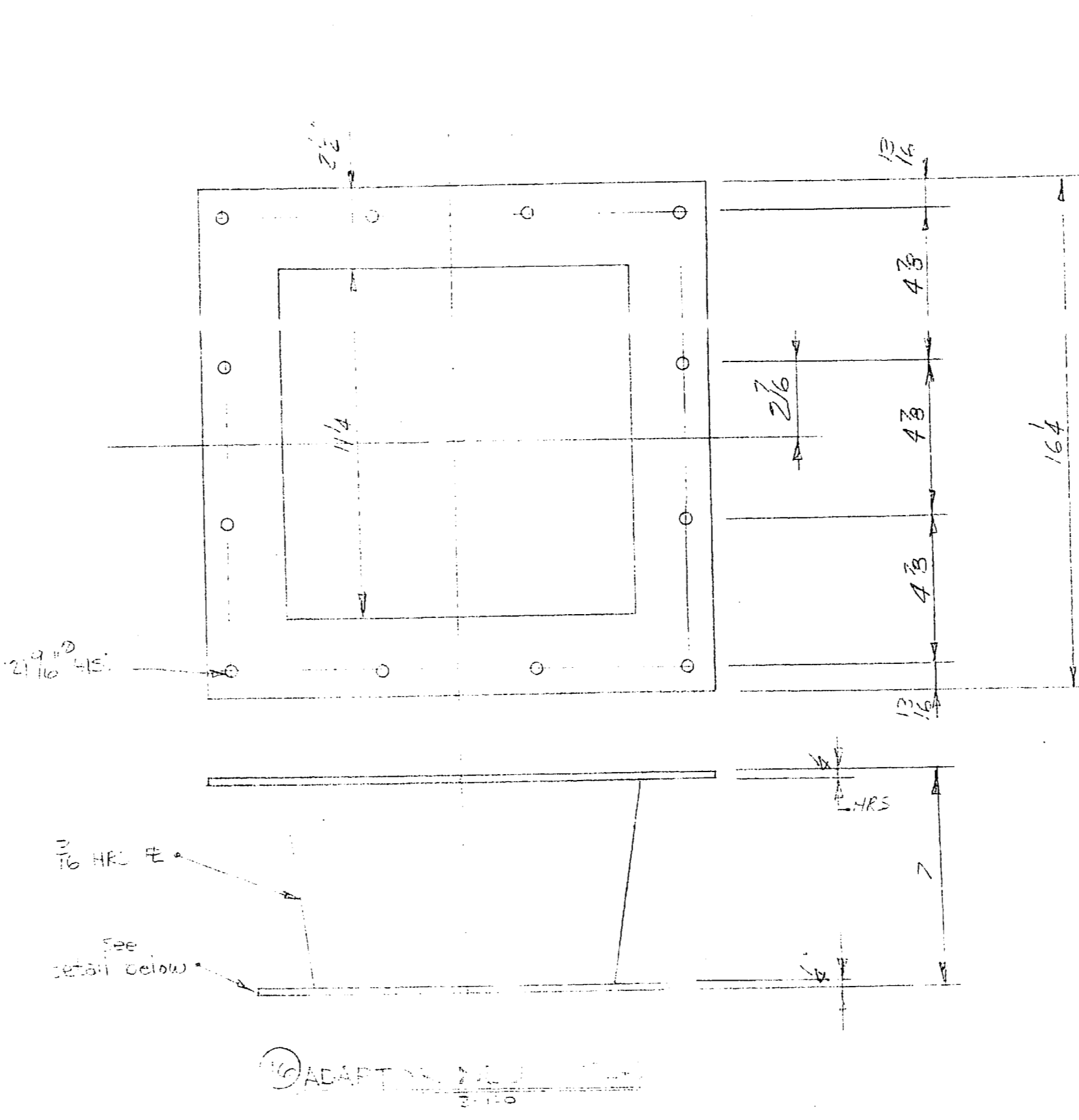
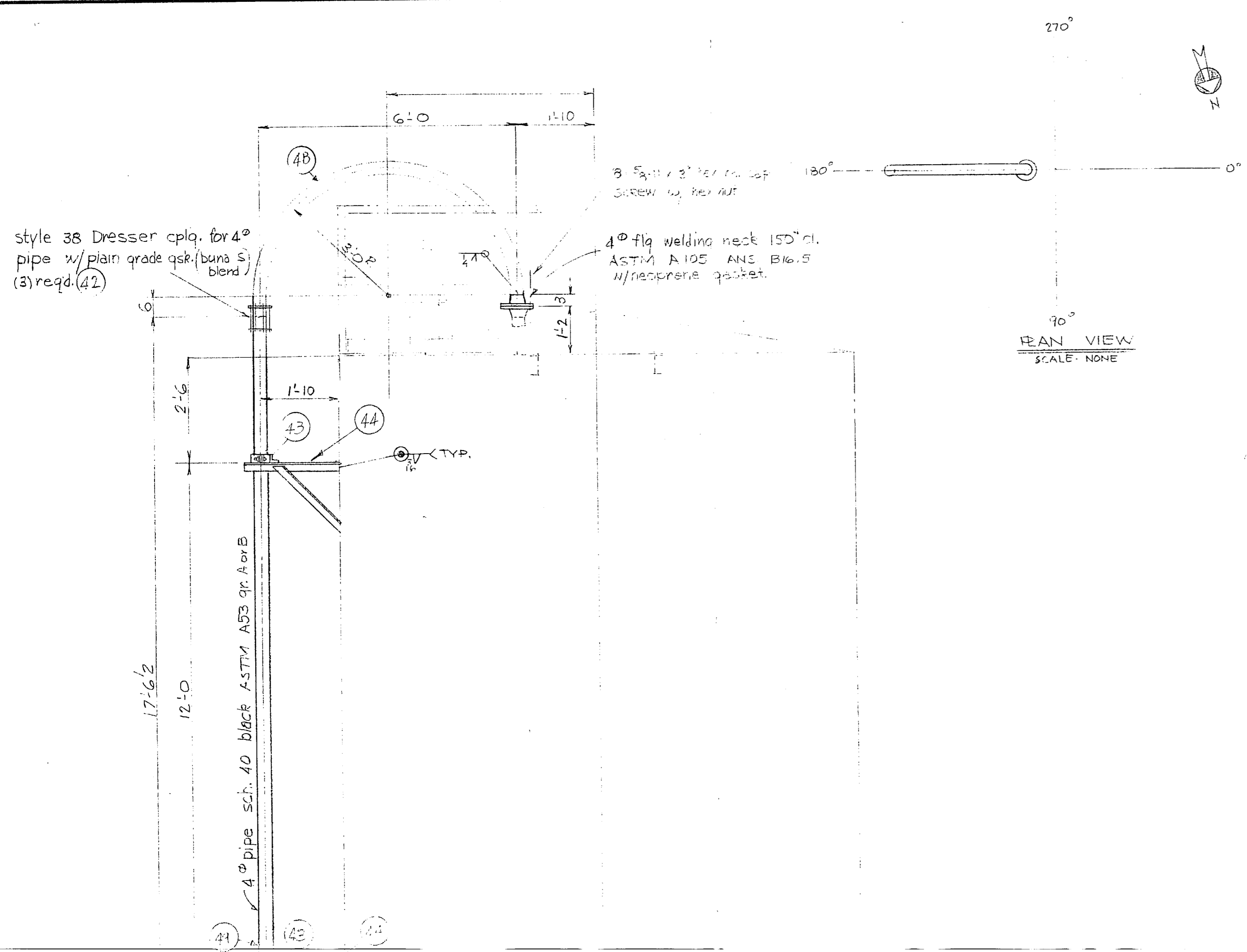
LINE TRANSFER BLOWER P-115



SOLIDS BLOWER P-115

W-M SYSTEMS INCORPORATED OF WALKESHA 85 W22872 West Burnwood Road, Walkesha, Wisconsin 53186			
SCALE: —	APPROVED BY: P-115	PROJECT: 071483	DRAWN BY: B-H
DATE: 8-22-83			REVISED
P & I SCHEMATIC			
NEW RIVER WATER TR. PLANT			DRAWING NUMBER: C703-0002





ITEM	QTY	PART NO.	DESCRIPTION
40	1	-----	4" SCH 40 HRS 180° PIPE ELBOW WITH 36" RADIUS WITH (1) 6" TANGENT AND (1) 4" 150# WELD NECK FLANGE.
41	8	-----	5/8"-11NC x 3" LONG HEX HEAD CAPSCREW WITH HEX NUT & GASKET
42	5	-----	STYLE 38 DRESSER COUPLING WITH PLAIN GRADE GASKET (BUNA S BLEND) for 4" SCH 40 PIPE.
43	2	DETAIL "A"	STANDARD 4" RISER CLAMP (FLANGE B373 B-LINE SYSTEMS)
44	2	DETAIL "A"	VENT PIPE FILL LINE MOUNTING BRACKET
49	1	-----	4" SCH 40 HRS PIPE x 20'-2 1/2" LONG WITH MITERED ELBOW
50	1	-----	4" SCH 40 HRS PIPE x 11'-0" LONG WITH BACK-UP PLATE AND ANGLE BRACE
51	1	-----	10" x 10" VENT NECK (13" LONG) WITH BOLTS AND GASKET

W-M SYSTEMS INCORPORATED OF WAUKESHA
 N5 W22872 West Bluemound Road, Waukesha, Wisconsin 53186

SCALE: 1/2"=1'-0"	APPROVED BY: [Signature]	REVISED BY: [Signature]
DATE: 3-12-83	PROJECT NO: 071443	DRAWN BY: [Signature]

VENT PIPE ASSY - STORAGE SILO
 FOR: NEW RIVER WATER TR. PLANT
 DRAWING NUMBER: C433-0100

