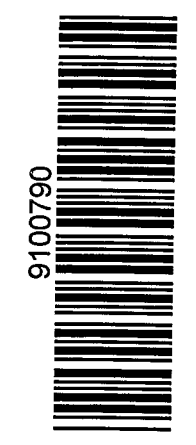
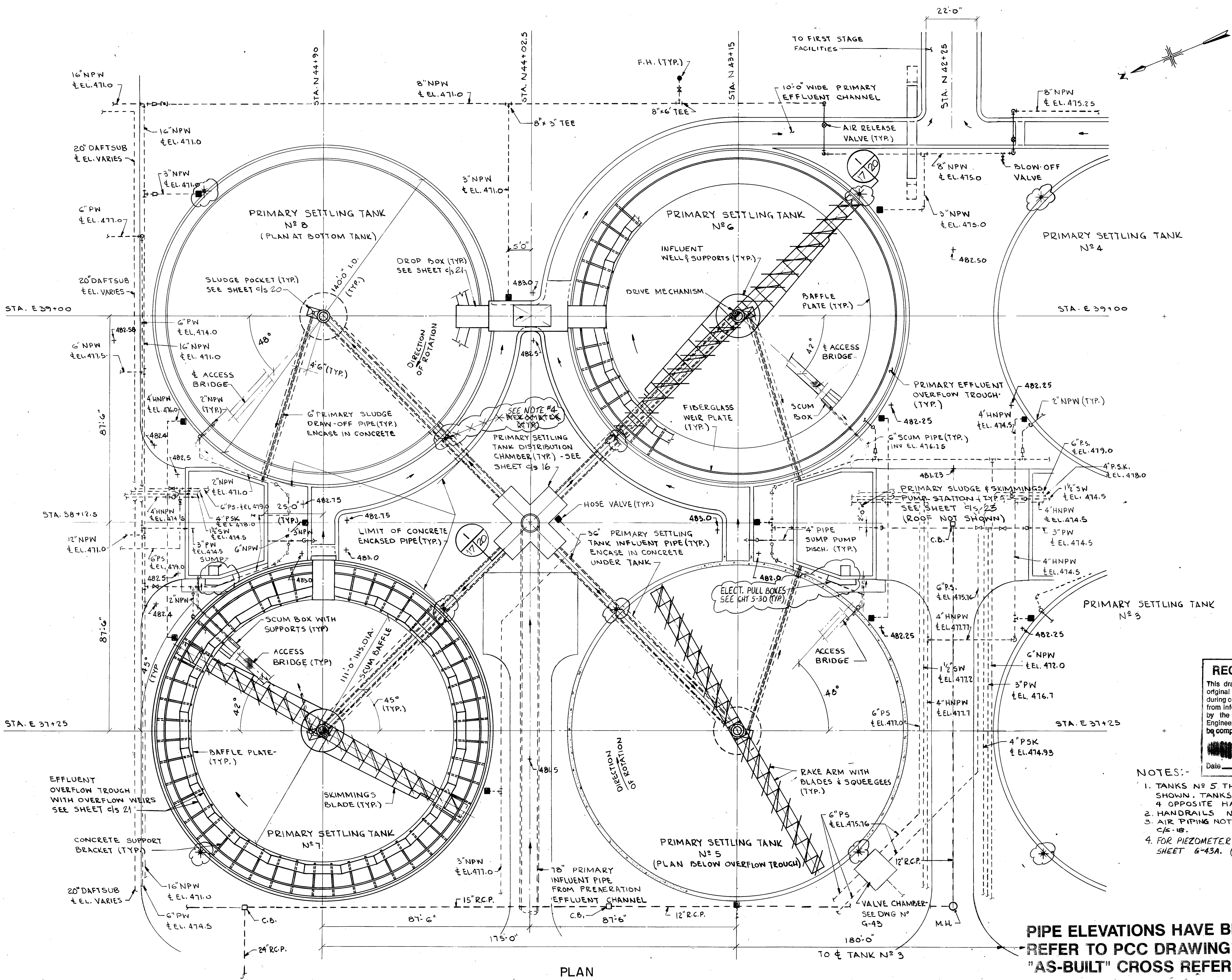
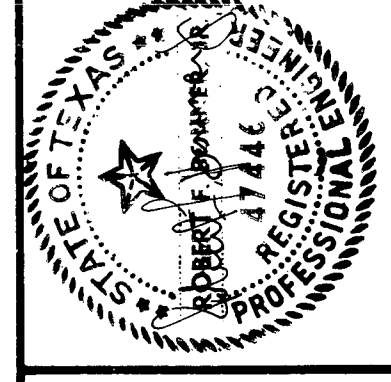


RECORD DRAWINGS
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 MALCOLM PIRNIE, INC.
 Date: 6/88 By: MGM

- NOTES:**
- DIMENSIONS SHOWN THUS(*) TO BE DETERMINED BY SLIDE GATE LOCATION FROM APPROVED SHOP DRAWINGS.
 - ALL THE INSIDE CONCRETE WALLS AND ELEVATED SLABS ABOVE ELEVATION 479.20 SHALL HAVE A PVC LINER.



DR 83-6502



RECORD DRAWINGS
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 MALCOLM PIRNIE, INC.
 Date: 6/88 By: M.G.M.

- NOTES:-**
- TANKS N° 5 THROUGH 8 SHOWN. TANKS N° 1 THROUGH 4 OPPOSITE HAND.
 - HANDRAILS NOT SHOWN.
 - AIR PIPING NOT SHOWN SEE C/S-18.
 - FOR PIEZOMETER LOCATIONS SEE SHEET G-43A. (SEE ADD.#5)

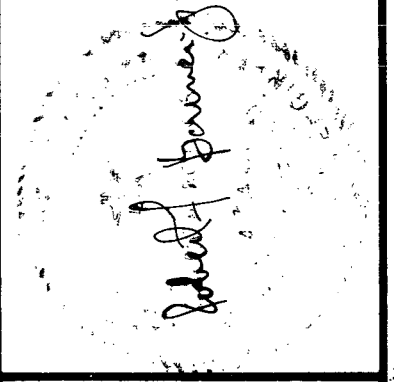
PIPE ELEVATIONS HAVE BEEN REVISED. REFER TO PCC DRAWING REF-1 FOR "AS-BUILT" CROSS REFERENCES.

PLAN

DR 83-6502
 91.00781

MALCOLM PIRNIE

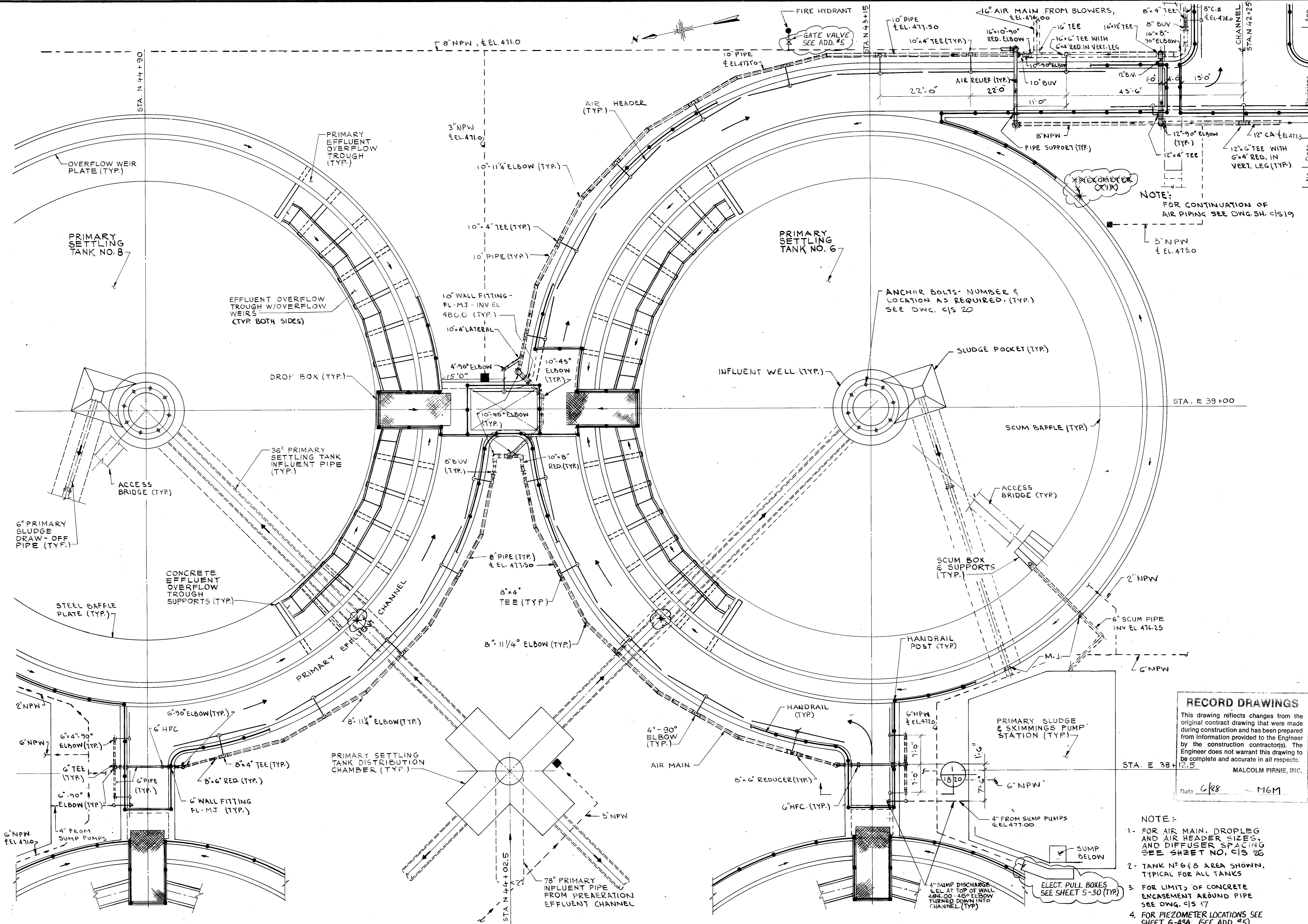
Date: November, 1983
 Designed by: S.J.B.
 Drawn by: A.B.
 Checked by: J.H.S.
 Scale: 3/32" = 1'-0"



San Antonio
 WASTEWATER FACILITIES IMPROVEMENTS

CONTRACT NO. 3
DOS RIOS FACILITY
 PRIMARY SETTLING TANKS
 PLAN - TANKS NOS. 6 & 8

Sheet C/S-18
 of C/S-66



NOTE:
 FOR CONTINUATION OF
 AIR PIPING SEE DWG. SH. C/S 19

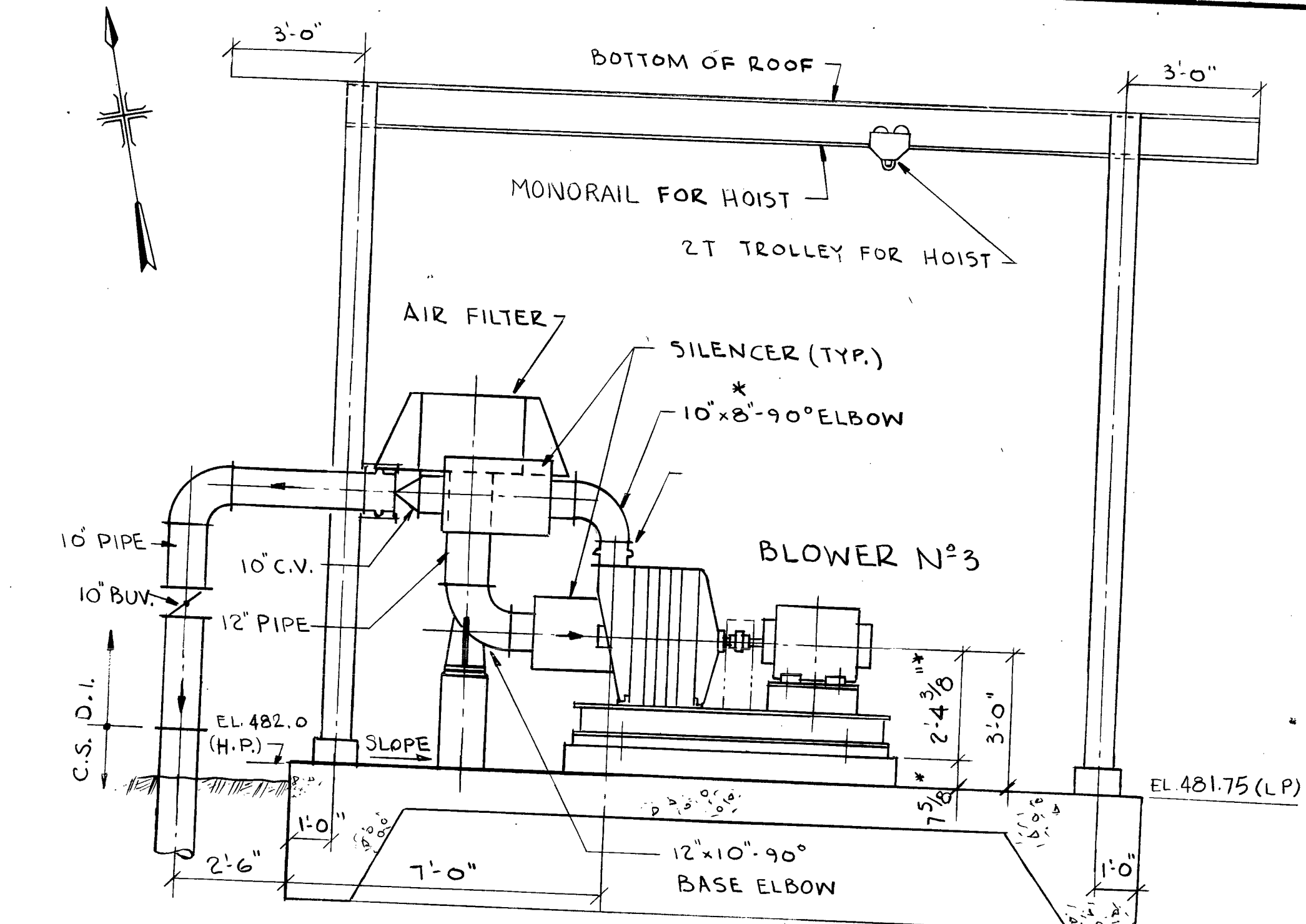
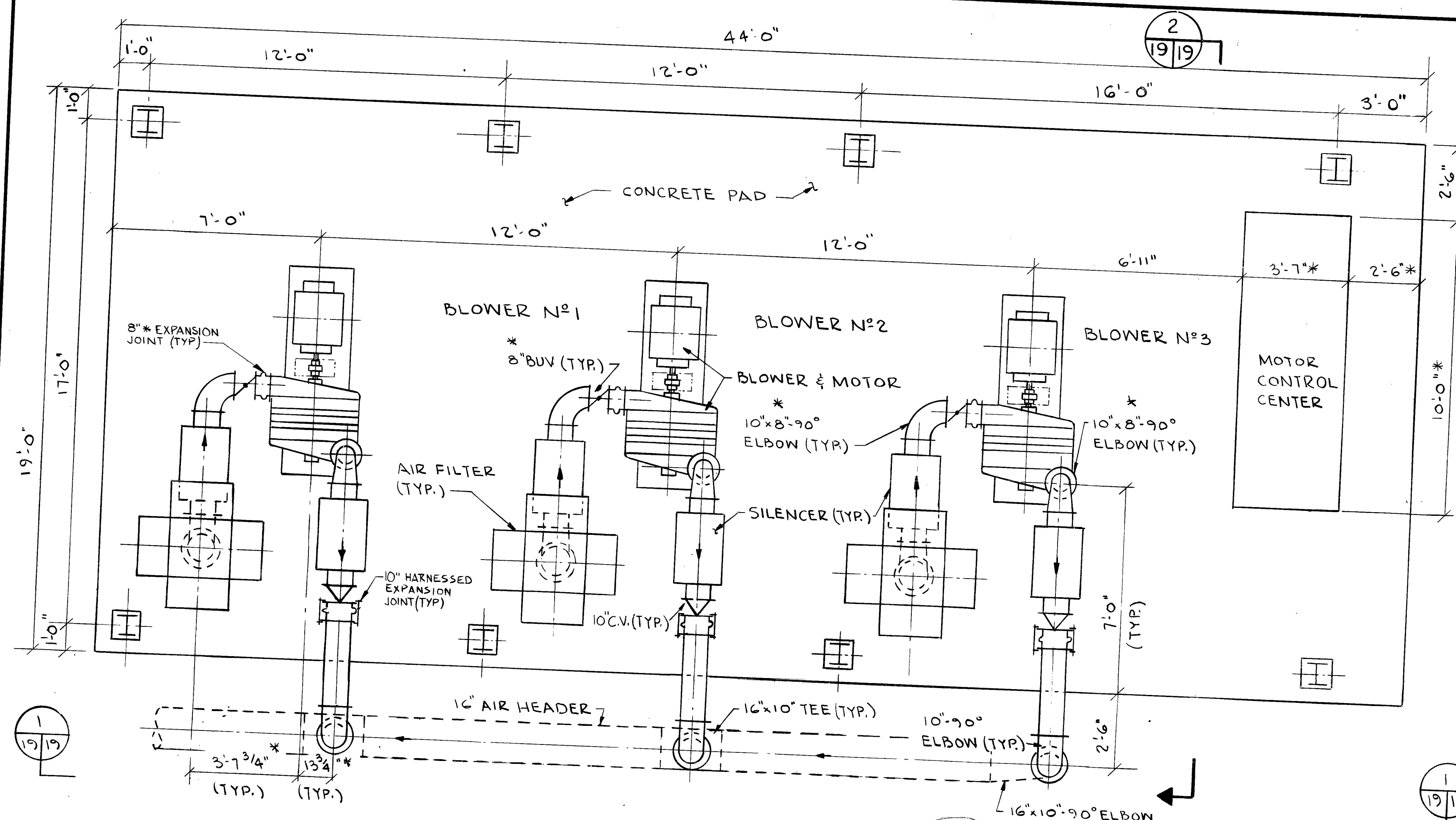
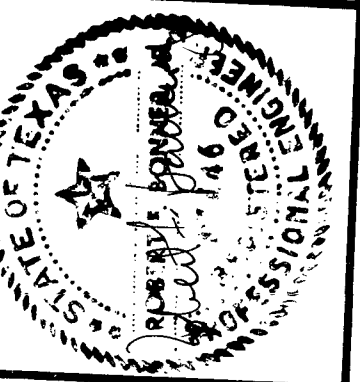
ANCHOR BOLTS- NUMBER &
 LOCATION AS REQUIRED. (TYP.)
 SEE DWG. C/S 20

RECORD DRAWINGS
 This drawing reflects changes from the original contract drawing that were made during construction and has been prepared from information provided to the Engineer by the construction contractor(s). The Engineer does not warrant this drawing to be complete and accurate in all respects.
 Date: 6/88 M6M
 MALCOLM PIRNIE, INC.

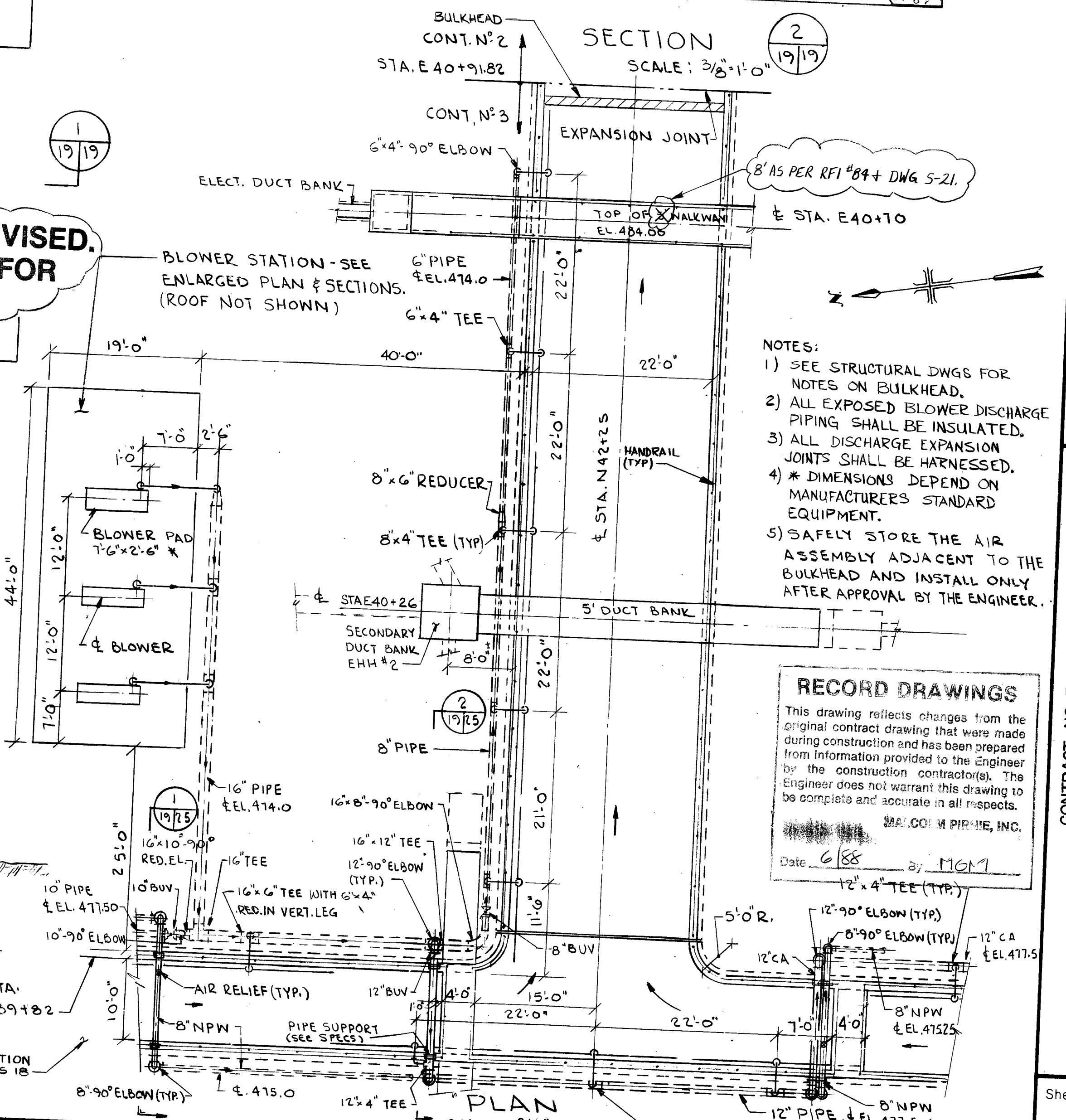
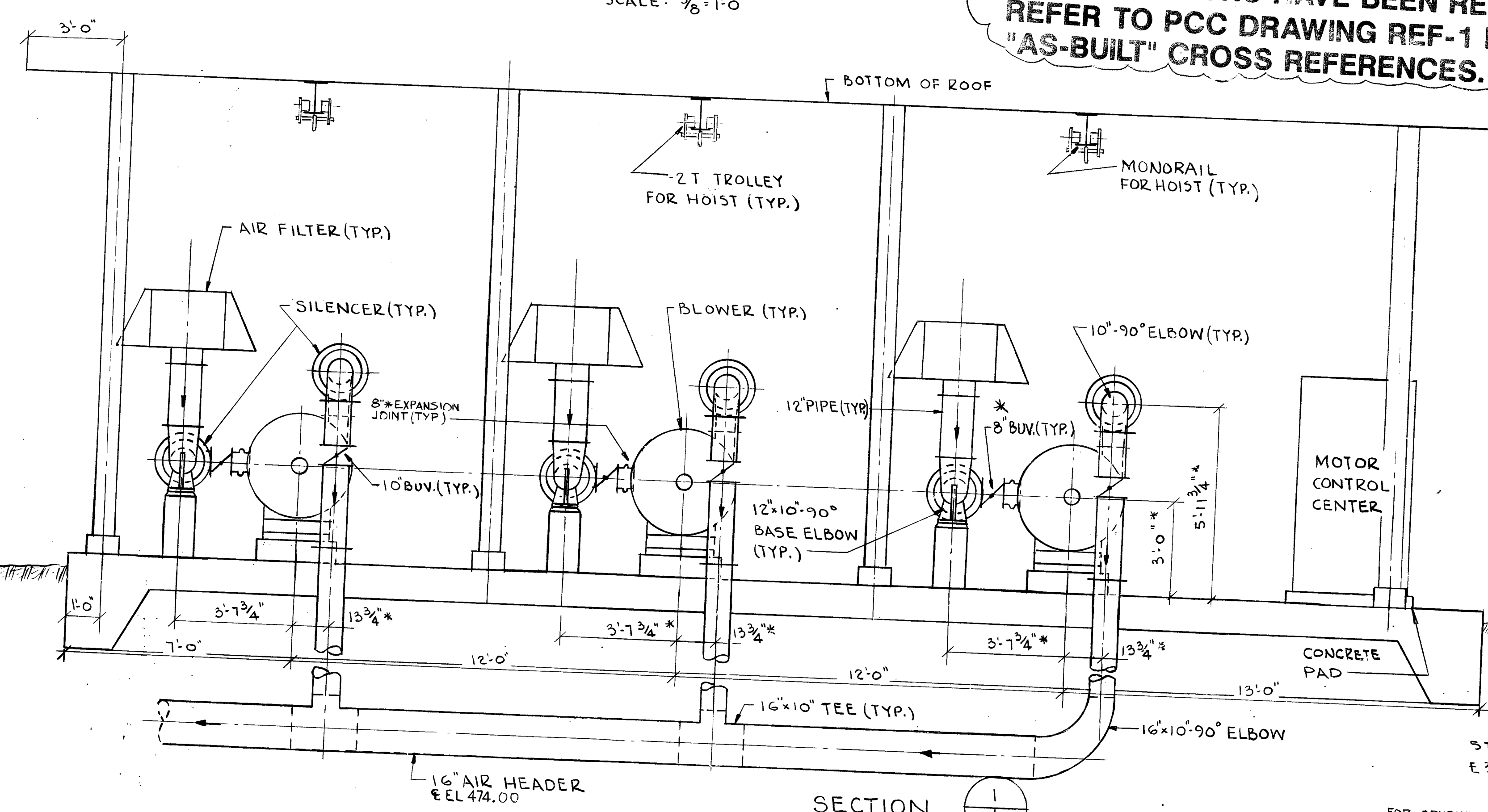
- NOTE:
- FOR AIR MAIN, DROPLEG AND AIR HEADER SIZES, AND DIFFUSER SPACING SEE SHEET NO. C/S 26
 - TANK NO. 6 & 8 AREA SHOWN, TYPICAL FOR ALL TANKS
 - FOR LIMITS OF CONCRETE ENCASUREMENT AROUND PIPE SEE DWG. C/S 17
 - FOR PIEZOMETER LOCATIONS SEE SHEET G-43A. (SEE ADD. #5)

DR 83-6502





PIPE ELEVATIONS HAVE BEEN REVISED. REFER TO PCC DRAWING REF-1 FOR "AS-BUILT" CROSS REFERENCES.



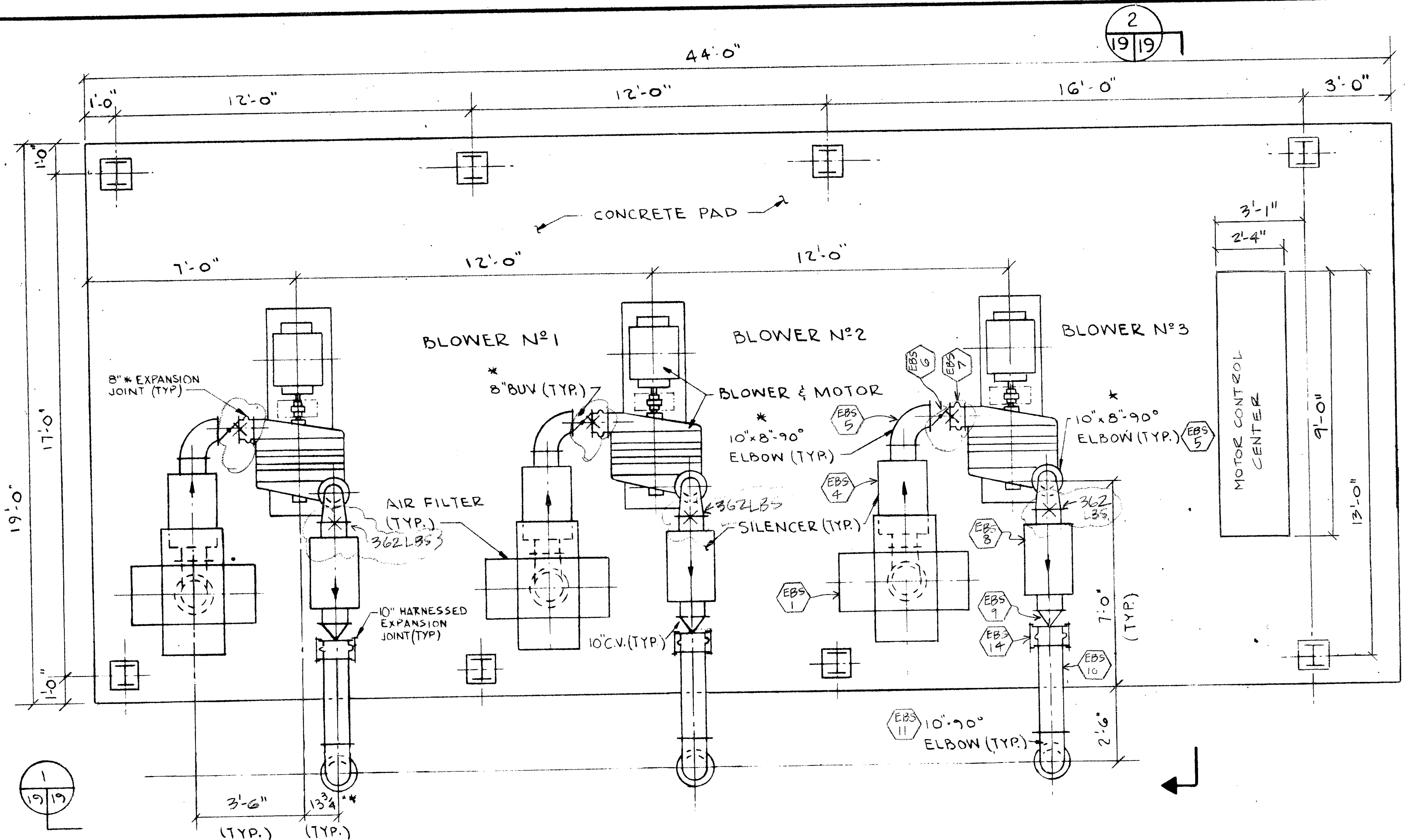
- NOTES:
- 1) SEE STRUCTURAL DWGS FOR NOTES ON BULKHEAD.
 - 2) ALL EXPOSED BLOWER DISCHARGE PIPING SHALL BE INSULATED.
 - 3) ALL DISCHARGE EXPANSION JOINTS SHALL BE HARNESSSED.
 - 4) * DIMENSIONS DEPEND ON MANUFACTURERS STANDARD EQUIPMENT.
 - 5) SAFELY STORE THE AIR ASSEMBLY ADJACENT TO THE BULKHEAD AND INSTALL ONLY AFTER APPROVAL BY THE ENGINEER.

RECORD DRAWINGS
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 MALCOLM PIRNIE, INC.
 Date: 6/88 By: M.P.

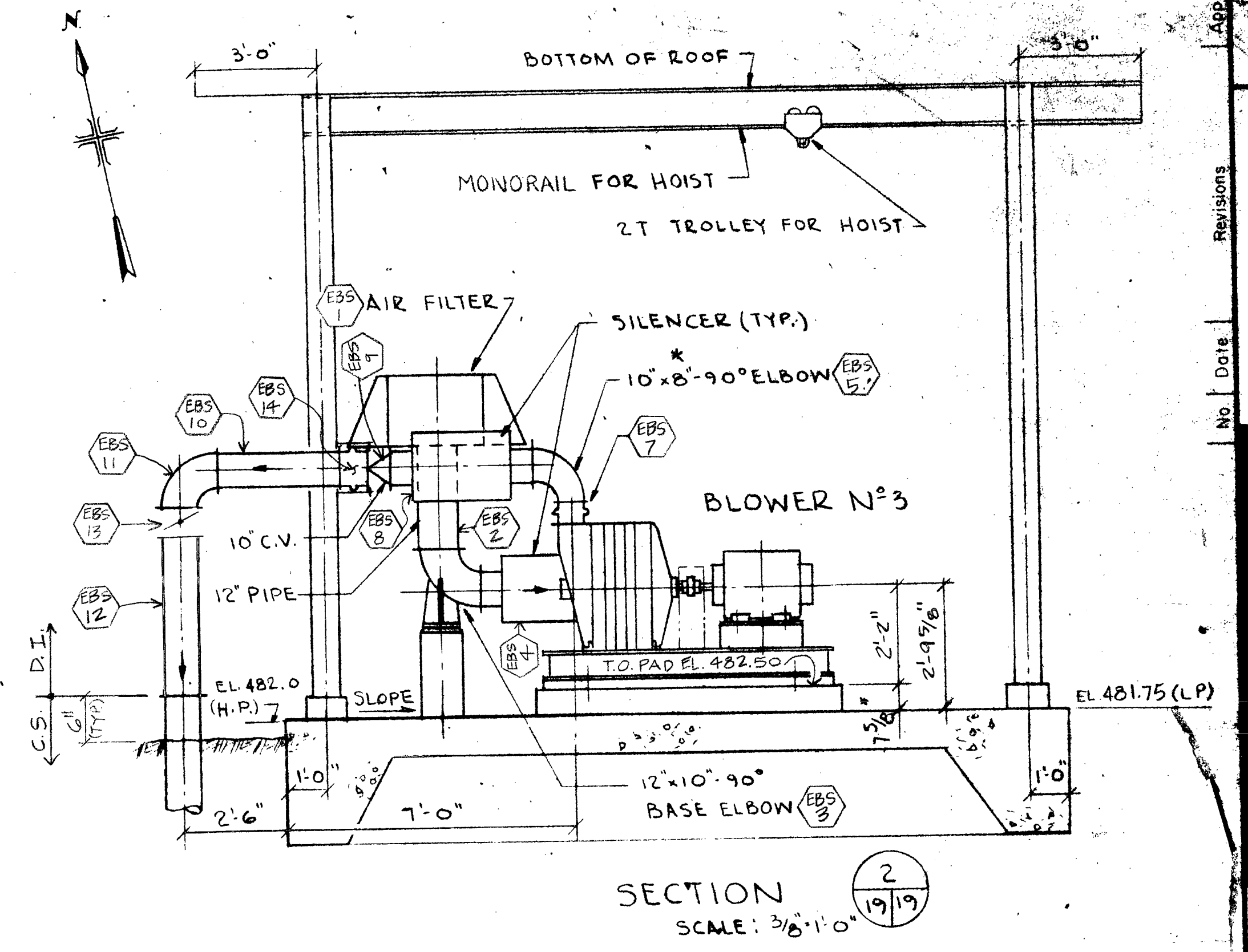
DR 83-6502

9100784

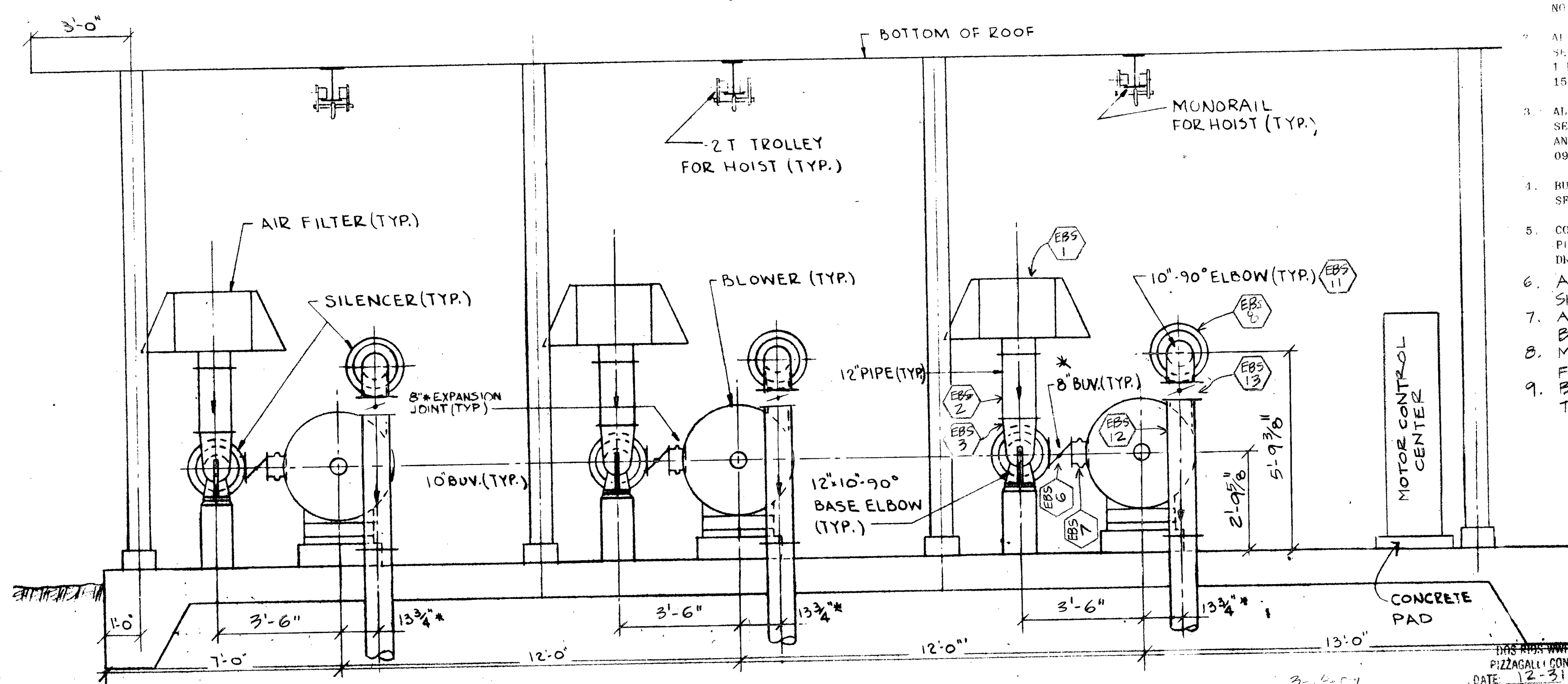
AL ESTEBAN



PLAN
SCALE: 3/8"=1'-0"



SECTION
SCALE: 3/8"=1'-0"



SECTION
SCALE: 3/8"=1'-0"

NOTES

- THIS CONTRACT DRAWING IS BEING SUBMITTED FOR APPROVAL AND WILL BE USED AS A WORKING DRAWING FOR FIELD ERECTION. ALL GIVEN SIZING, LOCATION AND DIMENSIONAL DATA WILL BE USED FOR ERECTION, UNLESS OTHERWISE NOTED.
- ALL DISCHARGE PIPING FOR BELOW GROUND SERVICE SHALL BE BITUMINOUS COATED APPROX. 1/8" THICK. SEE SPEC. SECTIONS 15051/15052 UNLESS OTHERWISE NOTED.
- ALL BUTTLE IRON PIPE FOR ABOVE GROUND SERVICE SHALL BE PRIME COATED IN ACCORDANCE WITH SPEC. SECTIONS 15052, 15053, AND 09900, UNLESS OTHERWISE NOTED.
- HURLED AND WELDED IRON PIPE TO RECEIVE POLY. SLEEVE. SEE SPEC. SECTION 15051 P. 3.1, C-16.
- COVER TYPES DETERMINED BY FINAL GRADING PLAN AND PIPE CENTERLINES AS GIVEN ON CONTRACT DRAWINGS, UNLESS OTHERWISE NOTED.
- ALL EXPOSED BLOWER DISCHARGE PIPING SHALL BE INSULATED.
- ALL DISCHARGE EXPANSION JOINTS SHALL BE HARNESSSED.
- MARK NOS. ON BLOWER NO. 3 TYPICAL FOR BLOWERS NOS. 1 & 2.
- BLOWERS AND ITEMS NOTED THUS (**) TO BE BY LAMSON (SUB. NO. 115B).

BILL OF MATERIALS				
MARK NO.	QTY	SIZE	DESCRIPTION	LENGTH
EB5-1	3	12"	FLG'D INTAKE FILTER	2'-0"
EB5-2	3	12"	FLG X FLG UNLINED DI. PIPE	
EB5-3	3	12" x 10"	FLG'D " " RED BASE 90° B.	
EB5-4	3	10"	FLG'D INTAKE SILENCER	3'-1/2"
EB5-5	3	10" x 8"	FLG'D UNLINED DI. RED. 90° B.	
EB5-6	3	8"	FLG'D BUTTERFLY VA.	6" F.T.O.F.
EB5-7	3	8"	FLG'D E.J.	6" F.T.O.F.
EB5-8	3	10"	FLG'D DISC. SILENCER	3'-6 1/2"
EB5-9	3	10"	FLG'D CHECK VA.	4 1/2" F.T.O.F.
EB5-10	3	10"	FLG X P.E. UNLINED DI. PIPE	3'-6"
EB5-11	3	10"	FLG'D " " 90° B.	
EB5-12	3	10"	FLG X FLG " " PIPE	3'-8"
EB5-13	3	10"	FLG'D BUTTERFLY VA.	8" F.T.O.F.
EB5-14	3	10"	HARNESSSED FLEX. CPLG. ADAPTER	

LEGEND
X SEE DWG. EBS-103

PROJECT RECORD

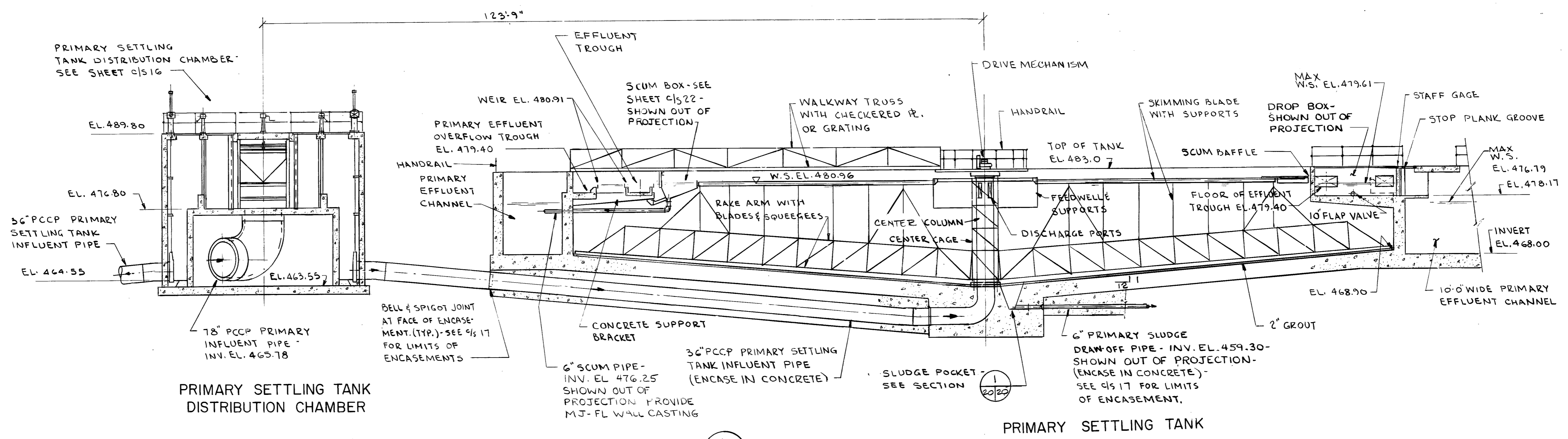
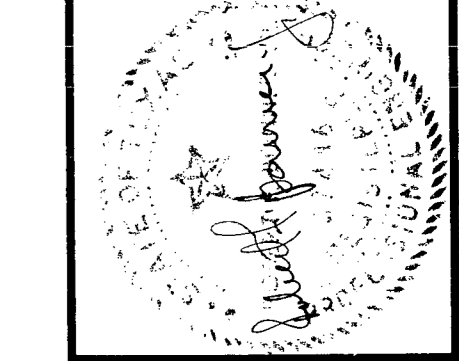
WASTEWATER FACILITIES IMPROVEMENTS
SAN ANTONIO

CONTRACT NO. 3
DOS RIOS FACILITY
PRIMARY SETTLING TANKS
EFFLUENT CHANNEL & BLOWER STATION
EFFLUENT CHANNEL & BLOWER STATION
EFFLUENT CHANNEL & BLOWER STATION
EFFLUENT CHANNEL & BLOWER STATION

No	date	by	description
A	10-9-87	DM	AS BUILT FOR PROJECT RECORD

DR 86-6501

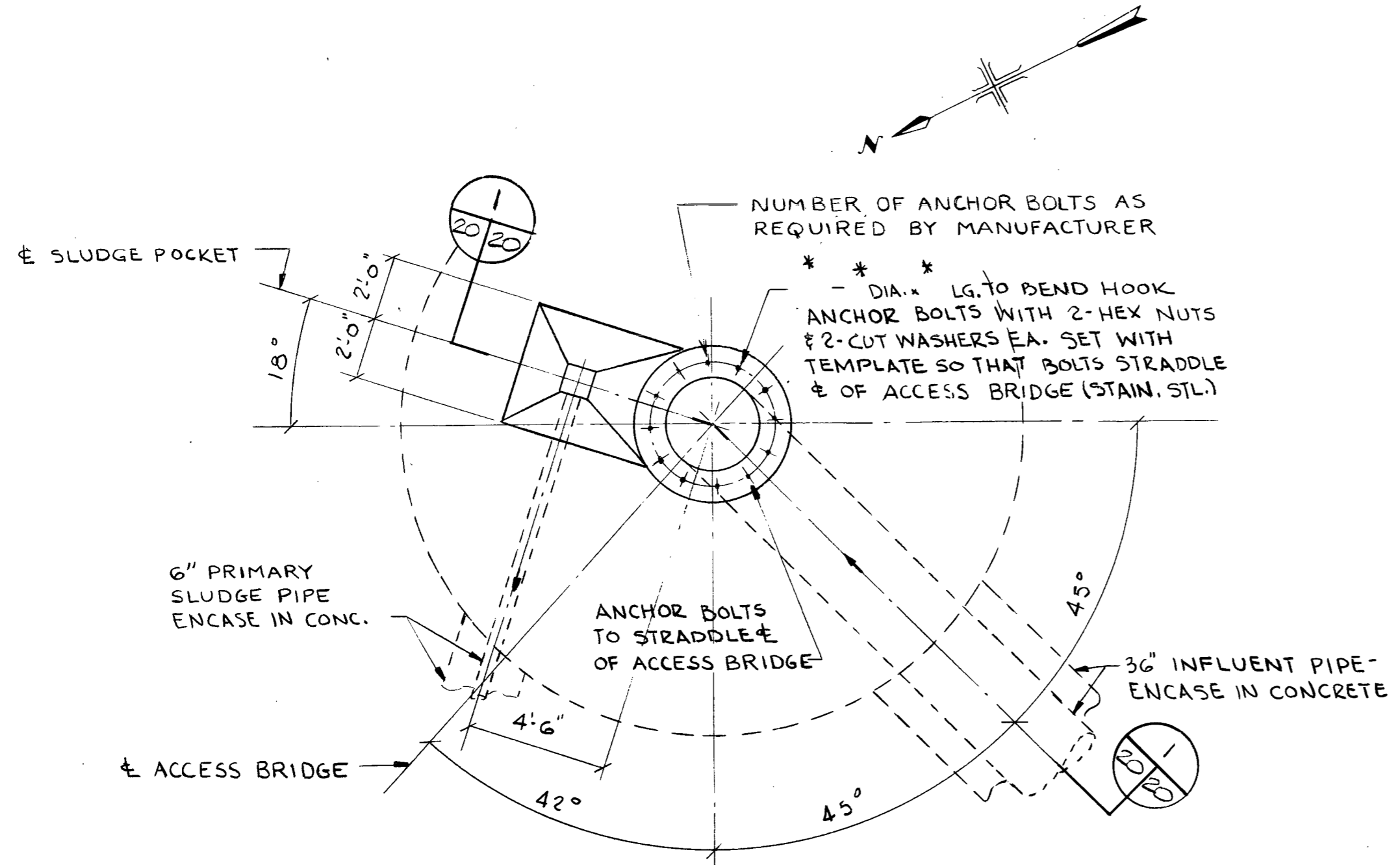
3-6-87
#5
15094
All
C/S-14 C/S-66
EFF. CHANNEL BLNR STA.
499
S.N.
DATE 12-31-86
Spec. 15052
ALL
EFF. CHAN. STA.
442
Approved By: S.J.



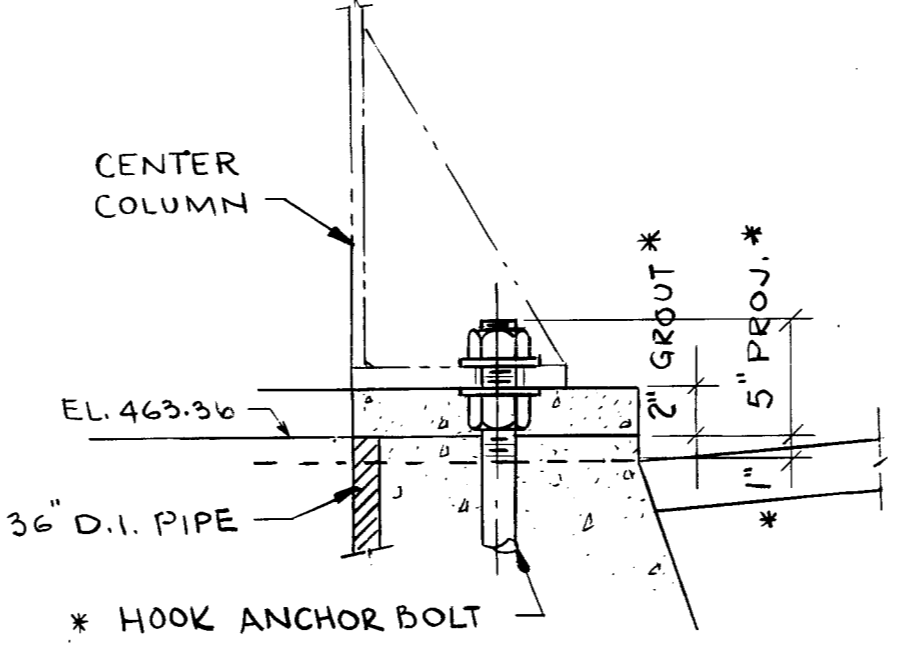
PRIMARY SETTLING TANK DISTRIBUTION CHAMBER

PRIMARY SETTLING TANK

SECTION 1/20
SCALE: 3/32"=1'-0"

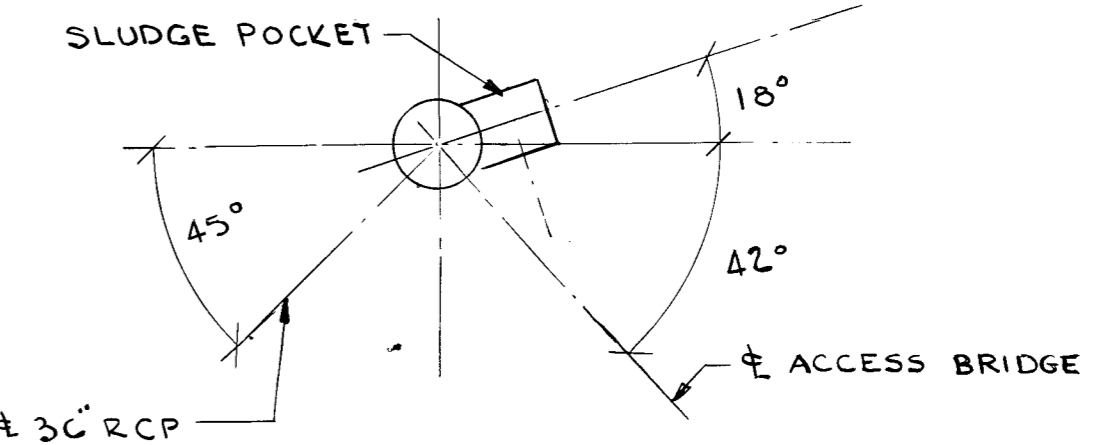


PLAN
SCALE: 1/4"=1'-0"

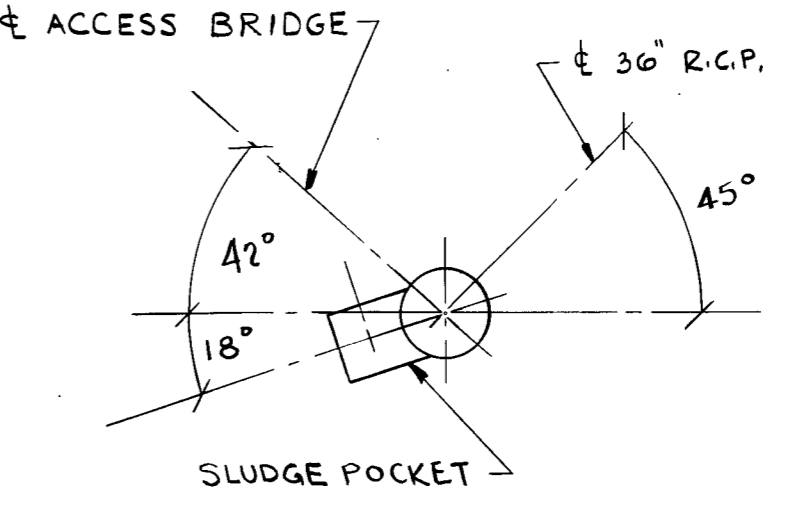


DETAIL 1/20
SCALE: 1 1/2"=1'-0"

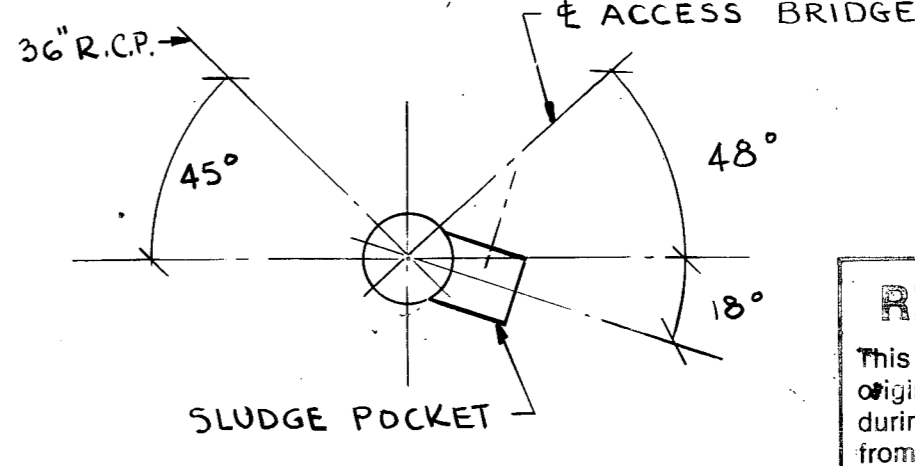
* NOTE: DIMENSIONS TO SUIT MANUFACTURERS STANDARDS



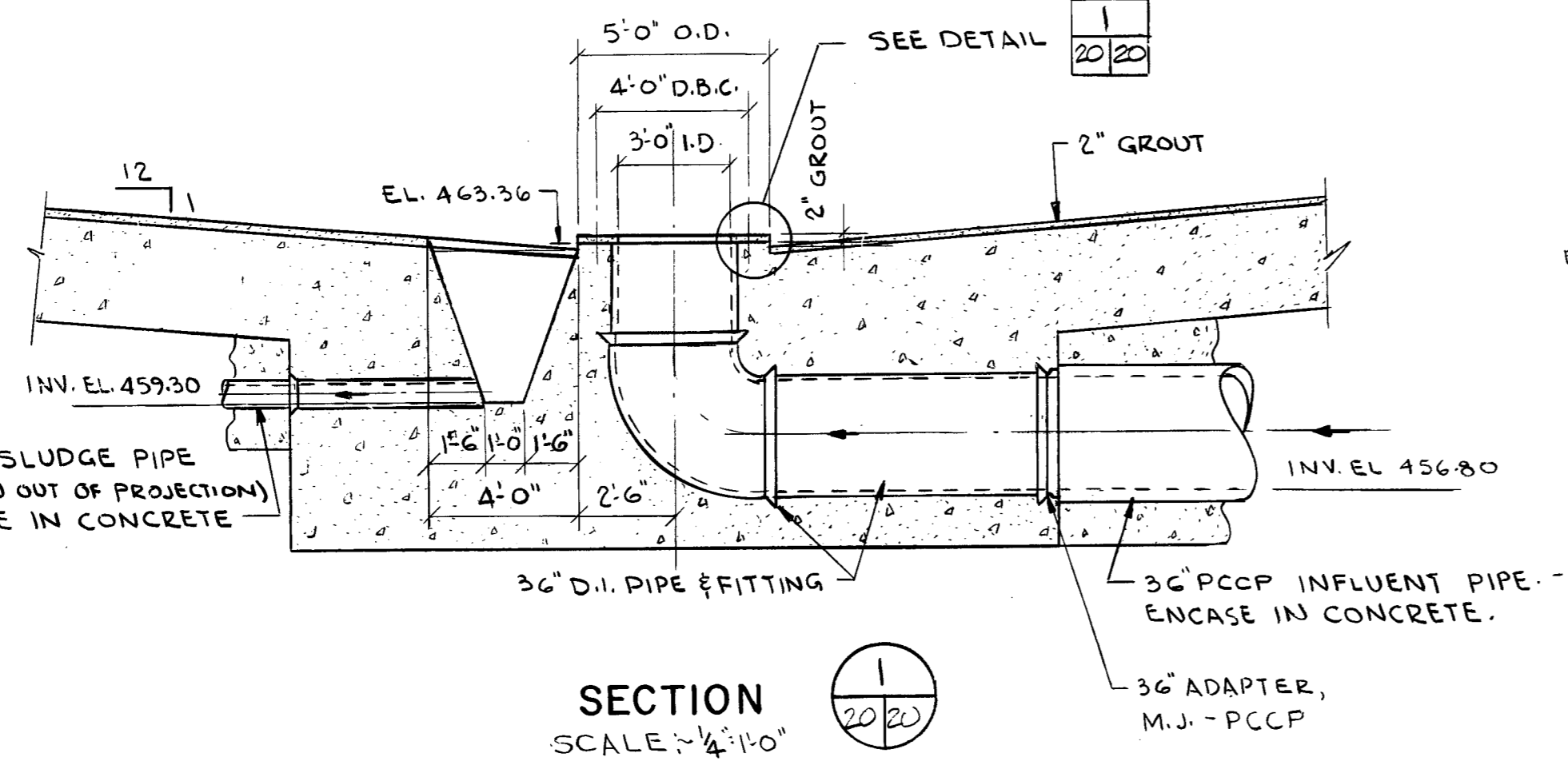
FOR TANKS 6 & 2



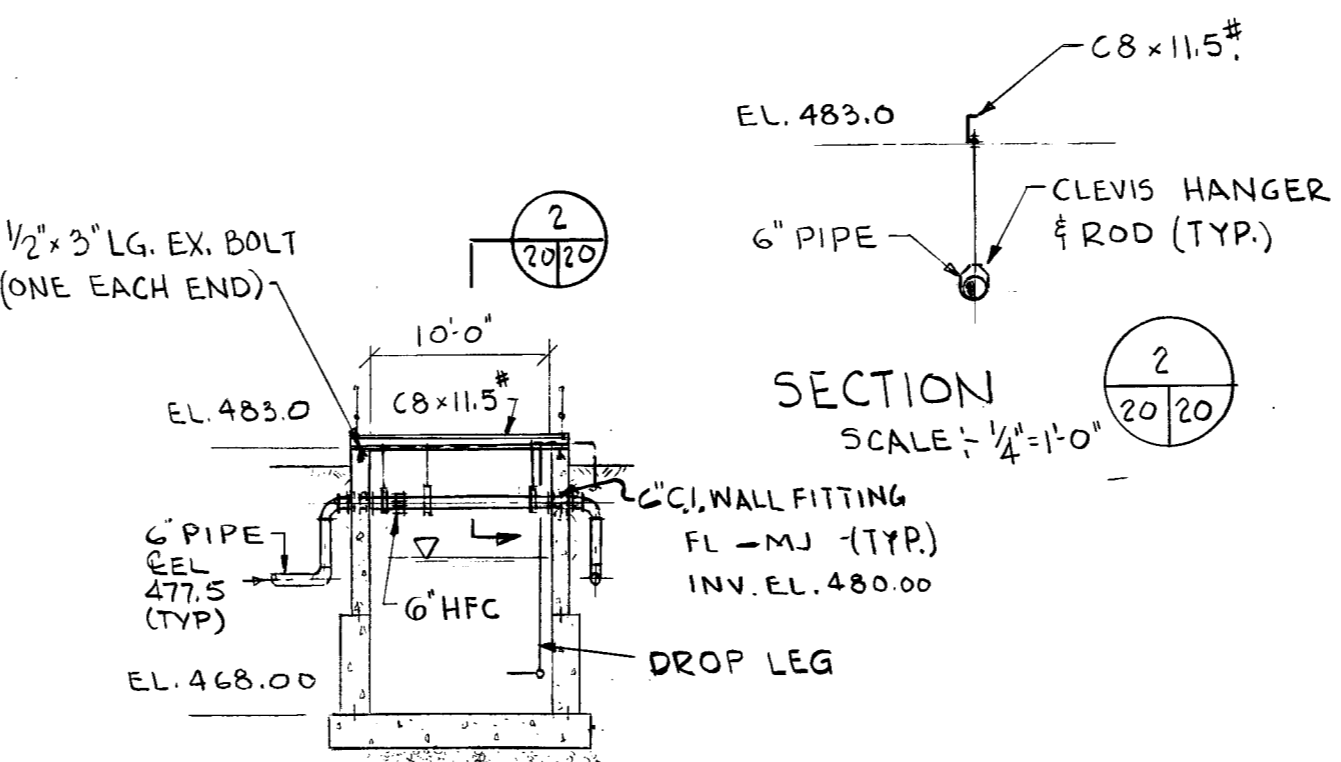
FOR TANKS 7 & 3



FOR TANKS 5 & 1
ORIENTATION DETAILS
NO SCALE



SECTION 1/20
SCALE: 1/4"=1'-0"



SECTION 2/20
SCALE: 1/4"=1'-0"

SECTION 1/18
SCALE: 3/32"=1'-0"

RECORD DRAWINGS
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MALCOLM PIRNIE, INC.
Date 6/88 By M6M

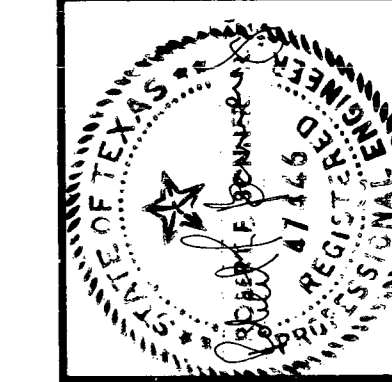
NOTE: TANK 8 & 4 AS SHOWN. FOR OTHER TANKS SEE ORIENTATION DETAILS.



DR 83-6502

MALCOLM PIRNIE

Date: 1/19/83
 Designed by: S.J.B.
 Drawn by: S.J.B.
 Checked by: J.K.S.
 Scale: 3/8" = 1'-0"
 EXCEPT AS NOTED



San Antonio

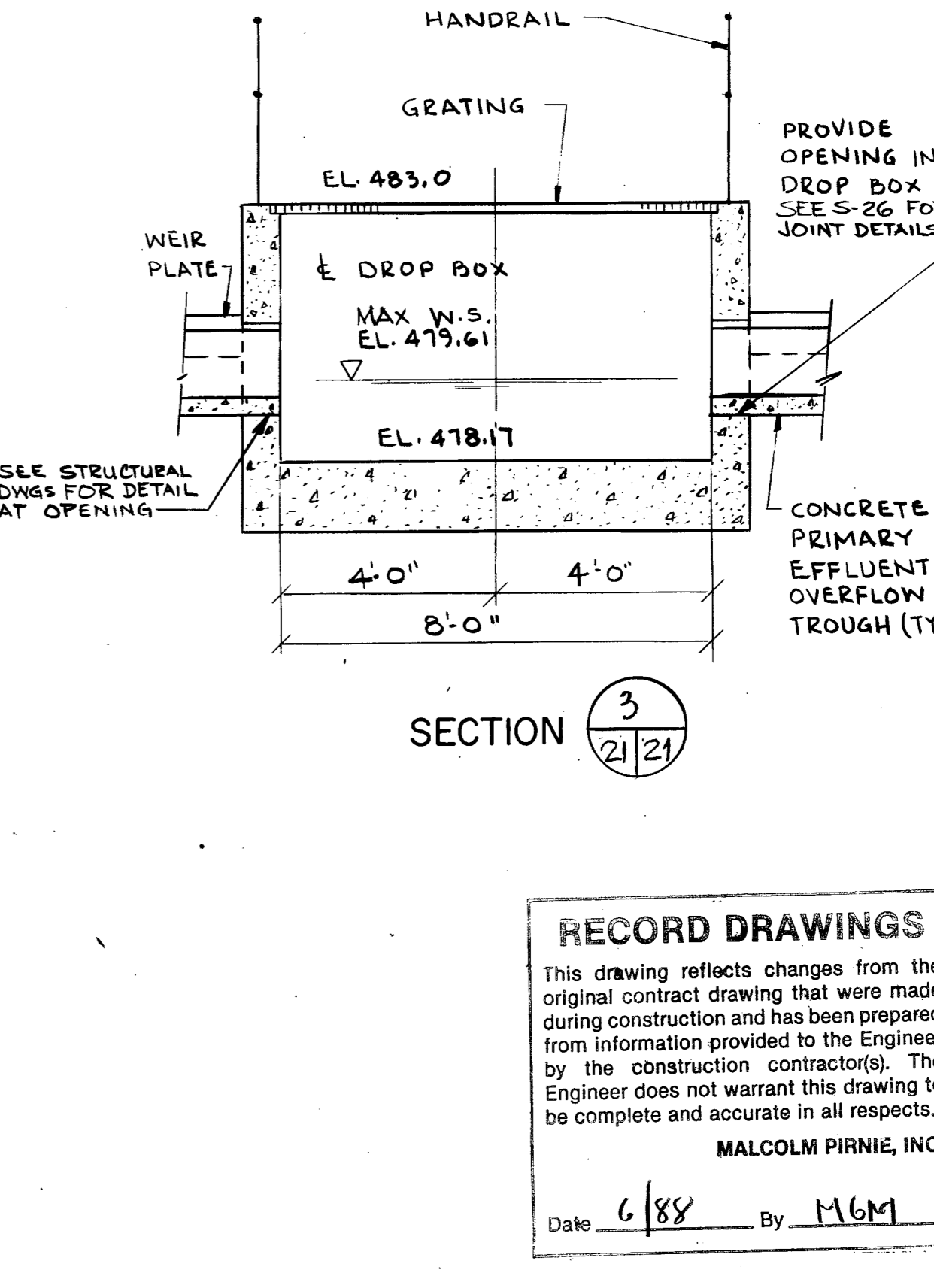
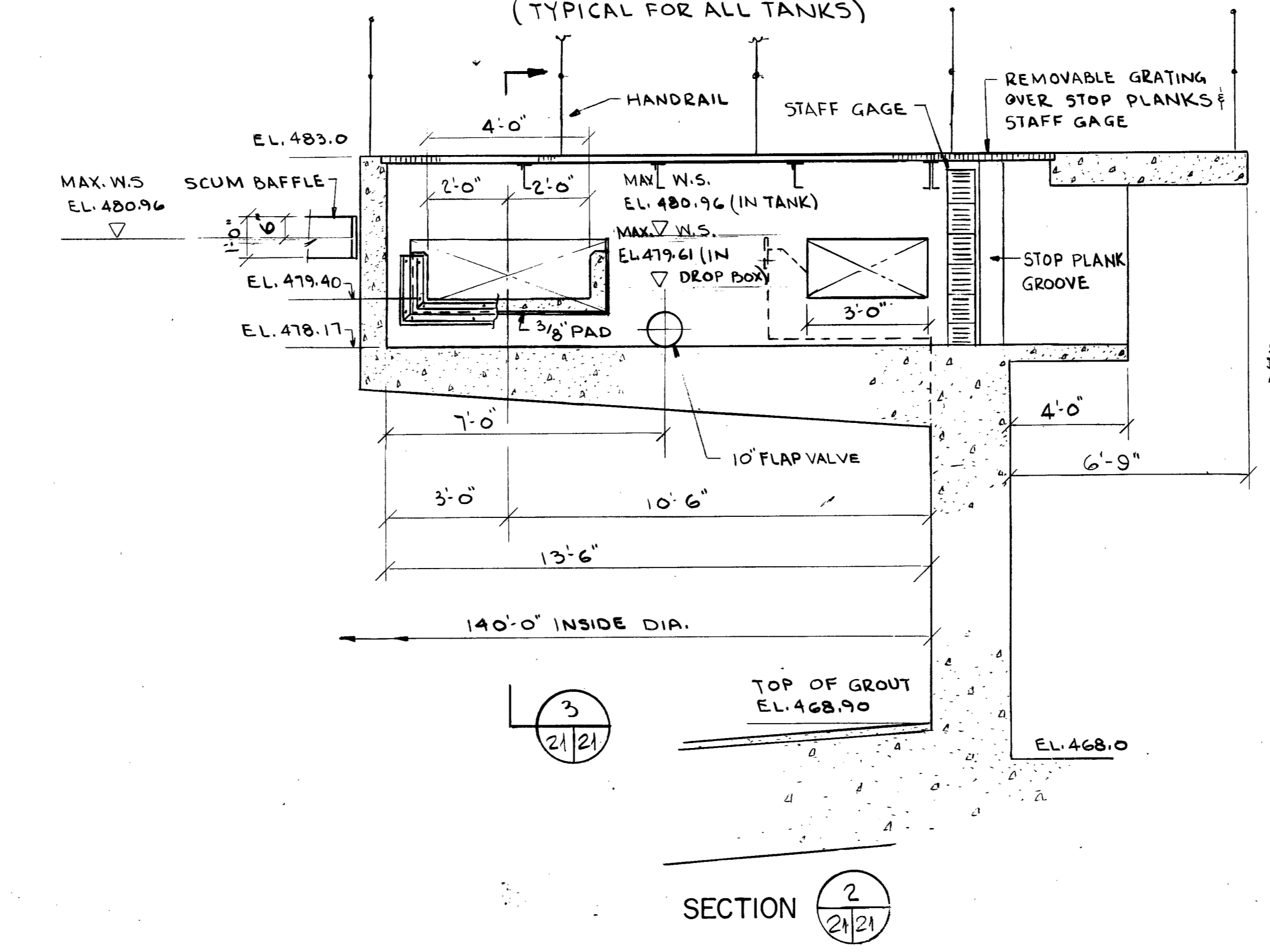
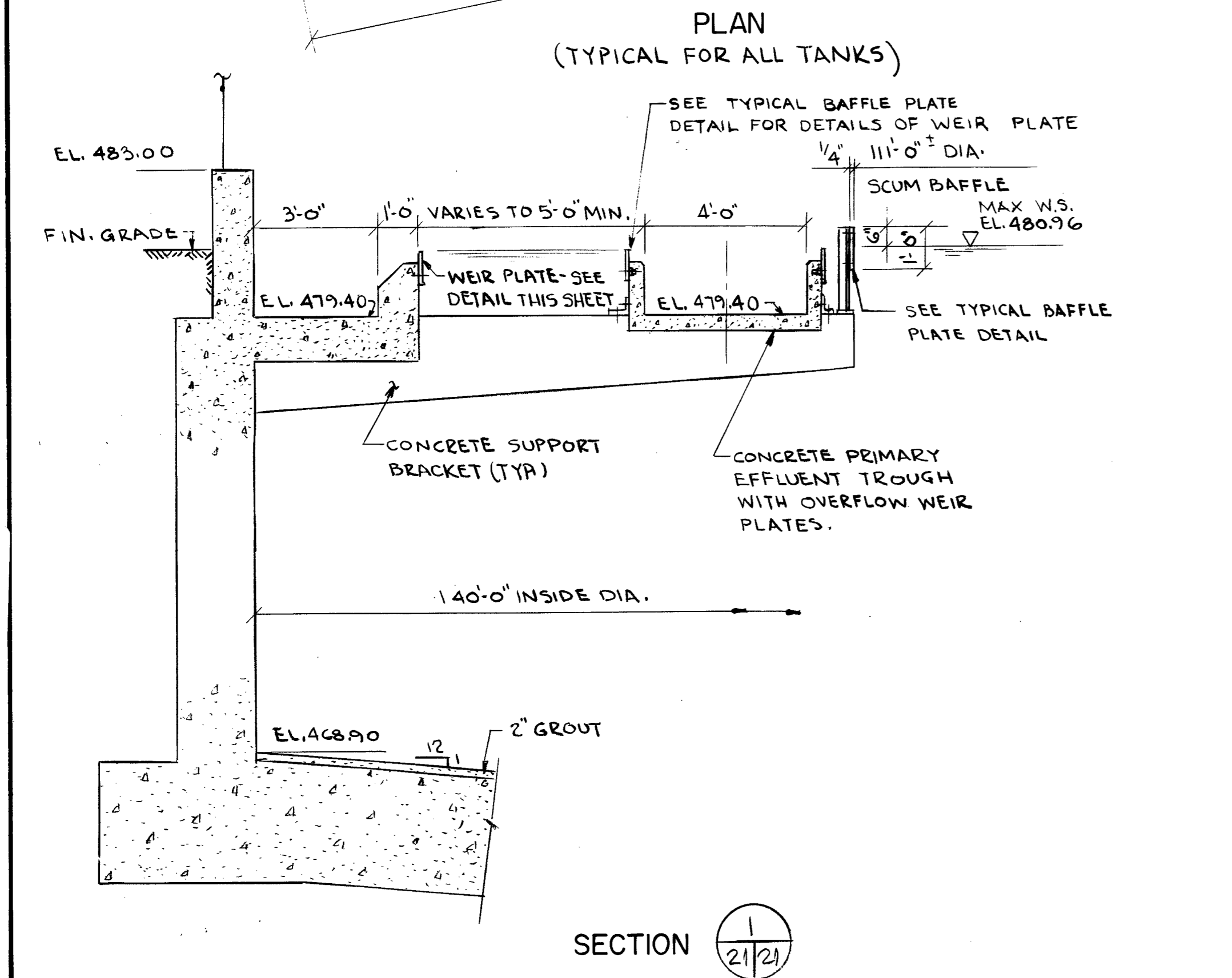
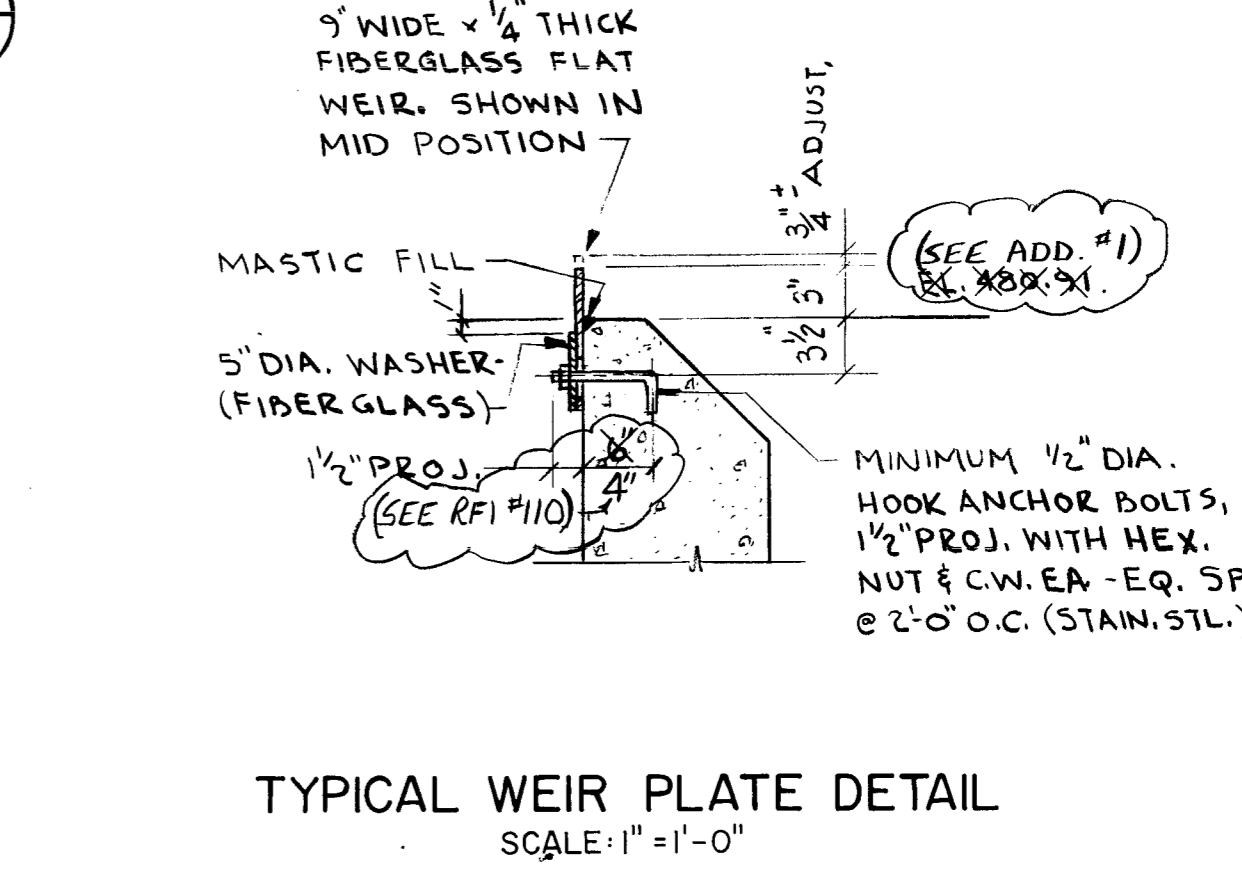
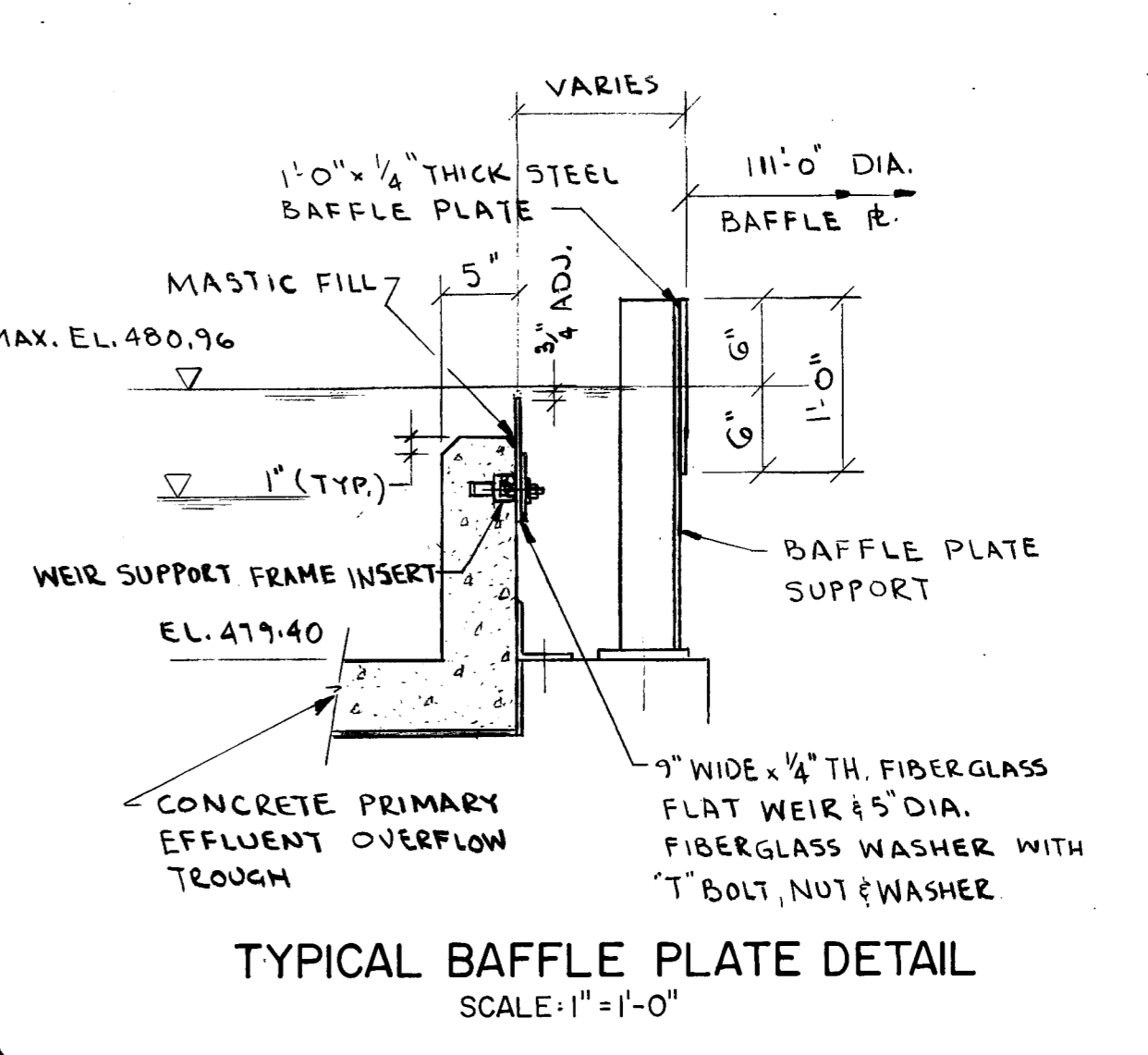
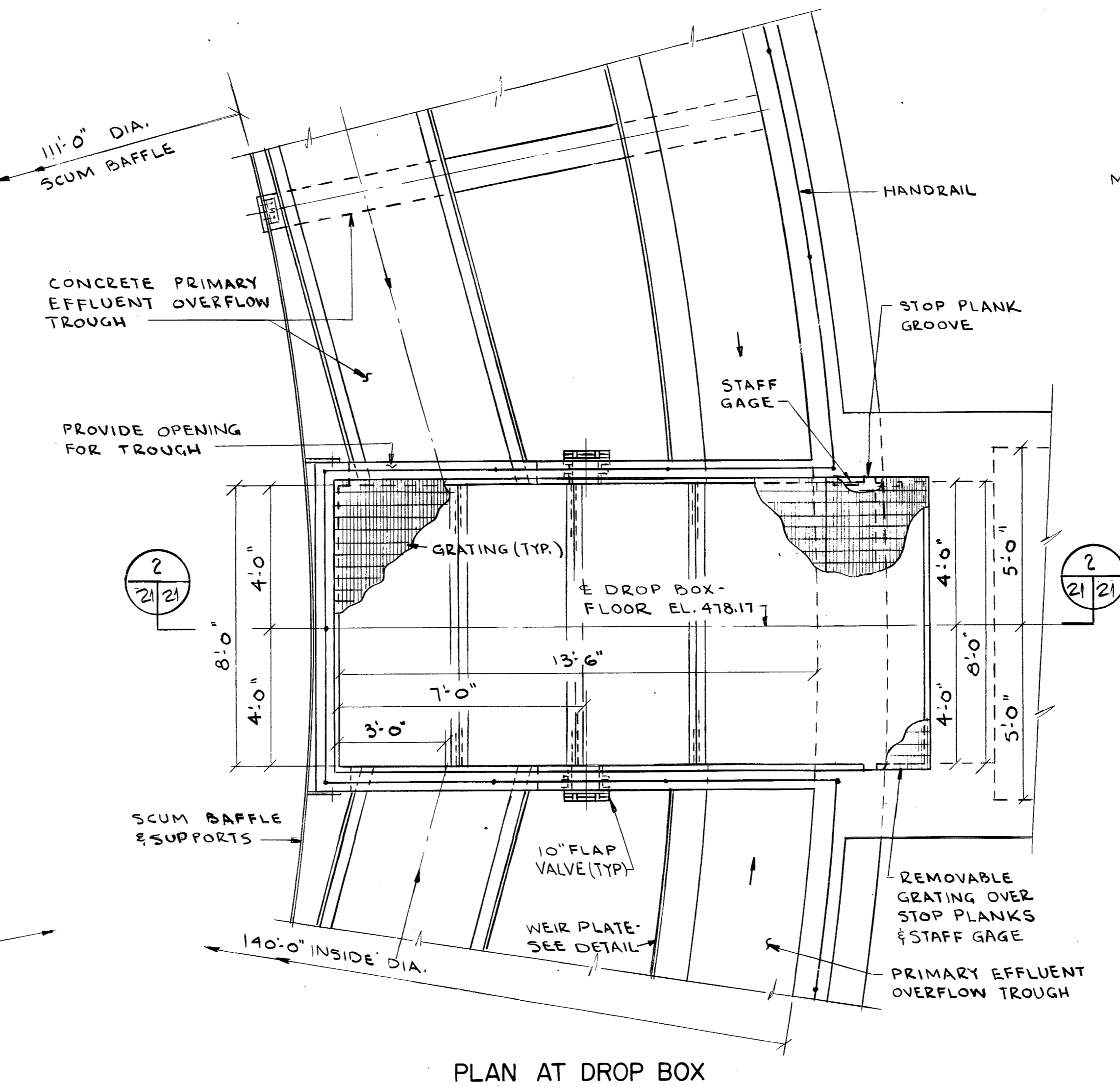
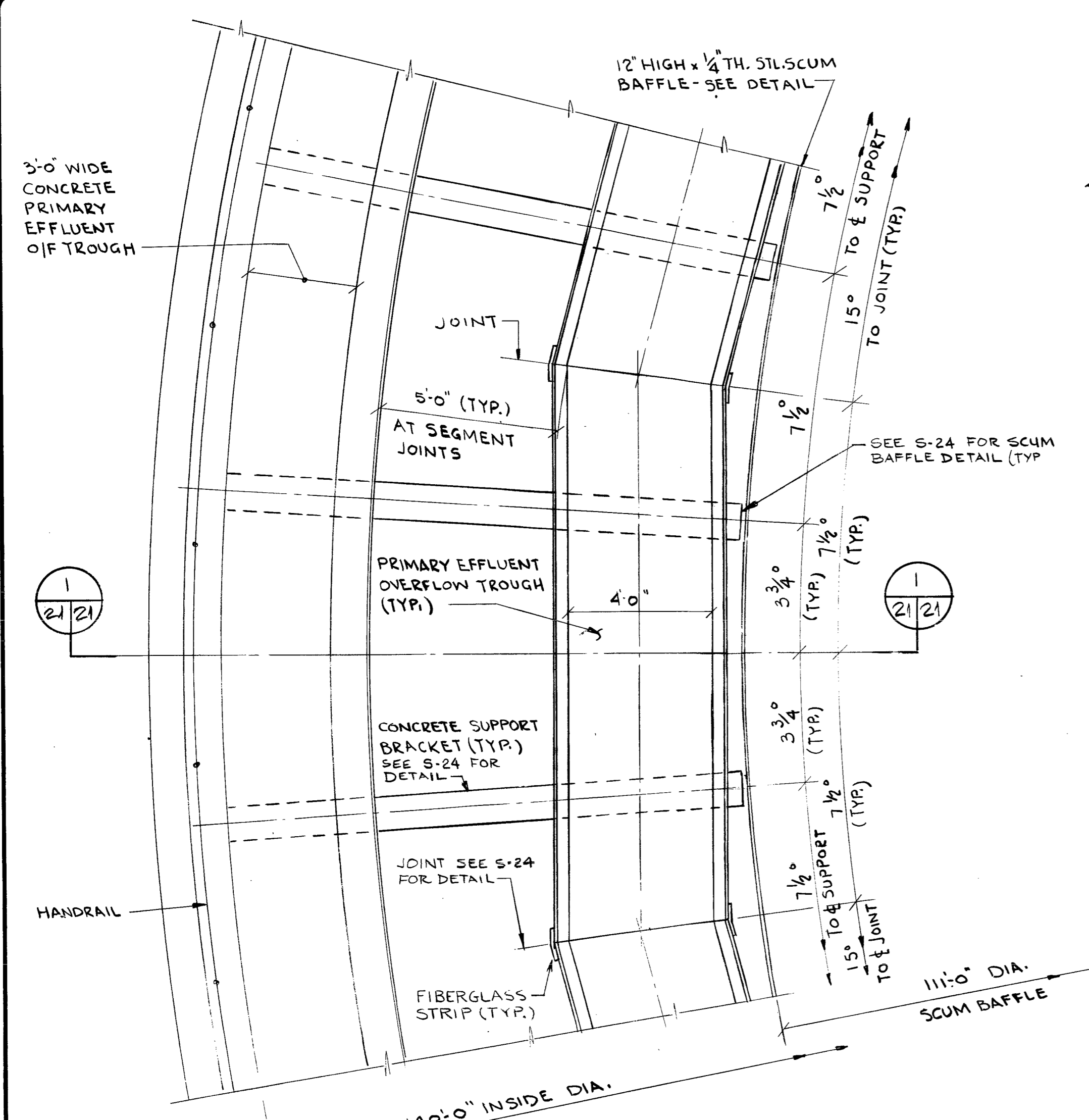
WASTEWATER FACILITIES IMPROVEMENTS

CONTRACT NO. 3

DOS RIOS FACILITY

OVERFLOW TROUGH & DROP BOX PLANS, SECTIONS & DETAILS

Sheet C/S-21 of C/S-66



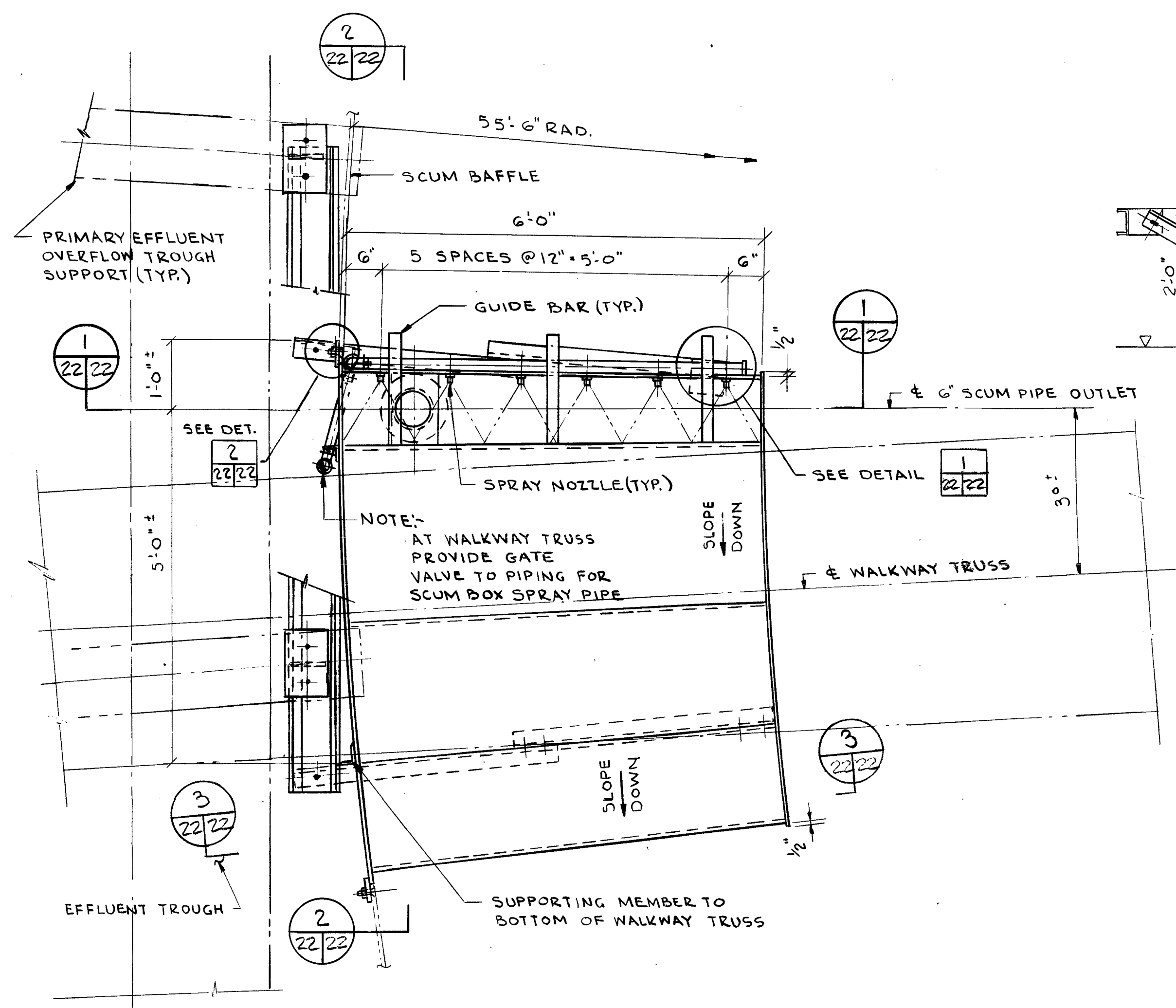
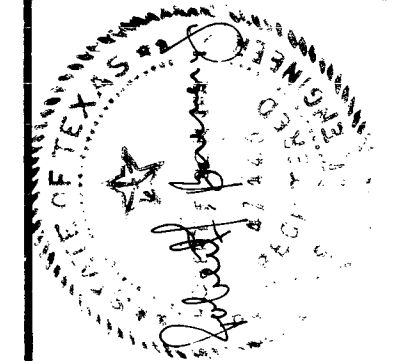
RECORD DRAWINGS

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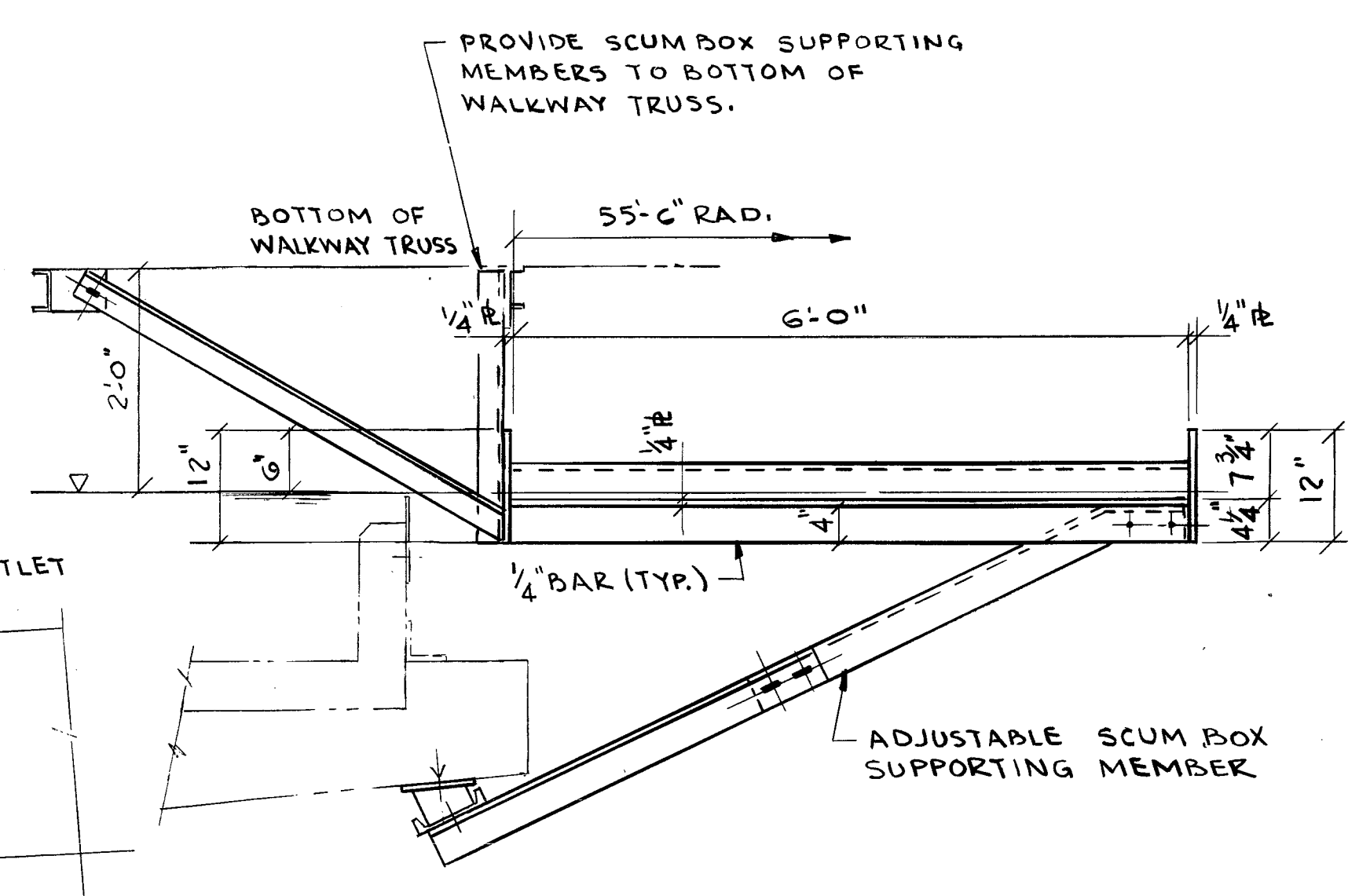
MALCOLM PIRNIE, INC.

Date: 6/88 By: M.G.M.

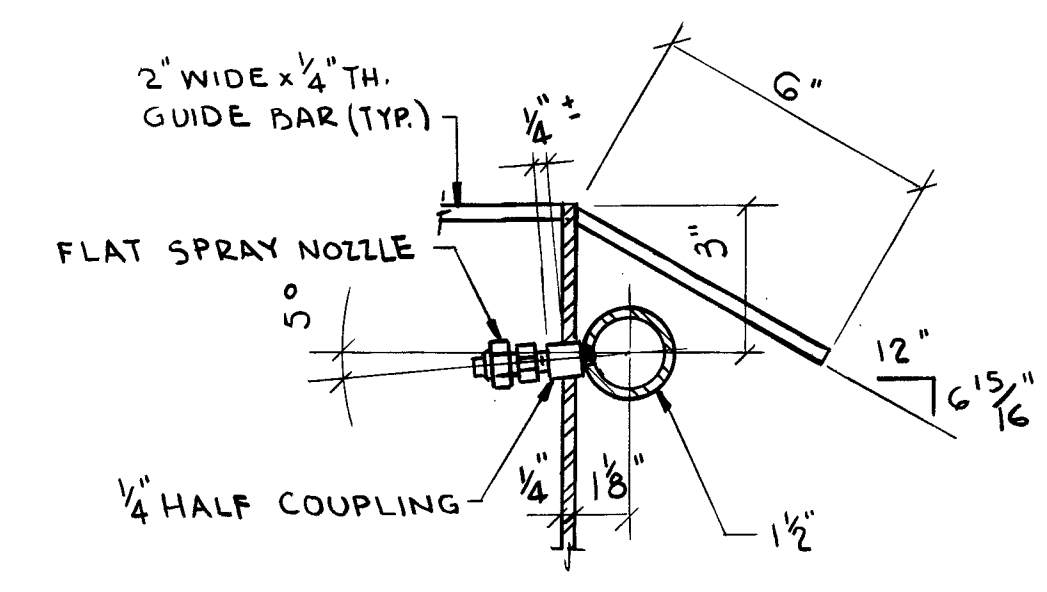
DR 83-6502



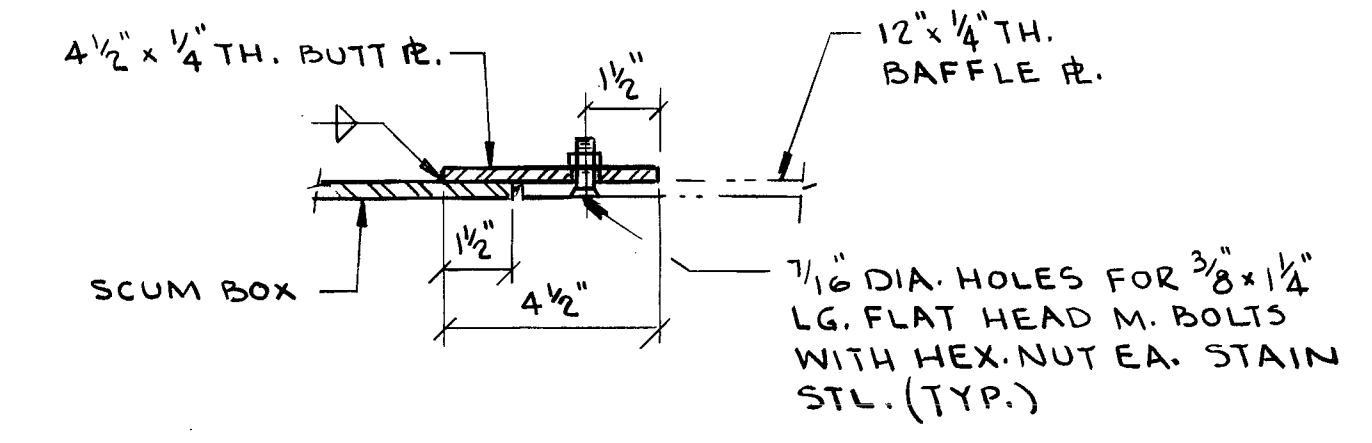
PLAN



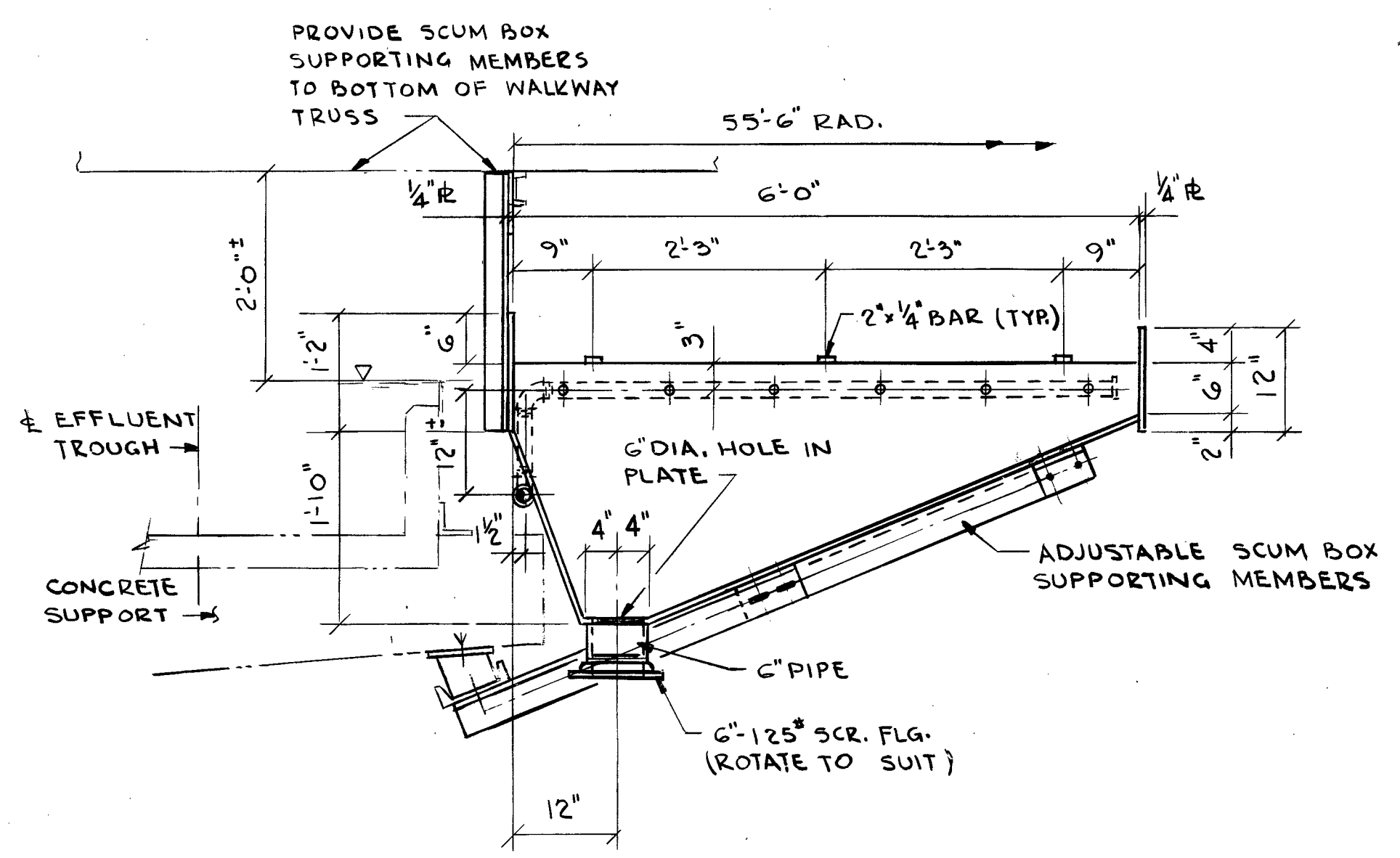
SECTION 3



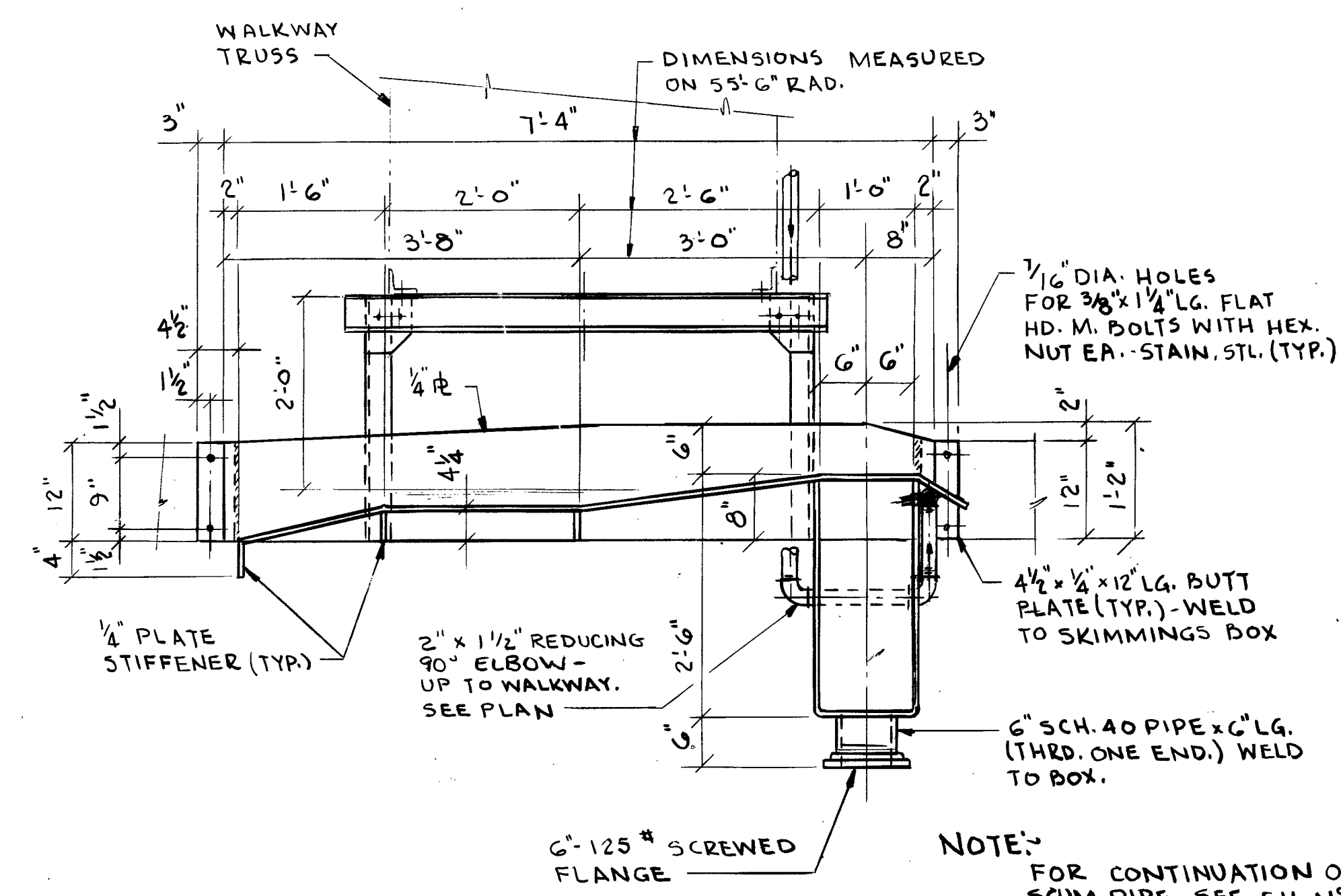
DETAIL 1
 SCALE: 3" = 1'-0"



DETAIL 2
 SCALE: 3" = 1'-0"



SECTION 1



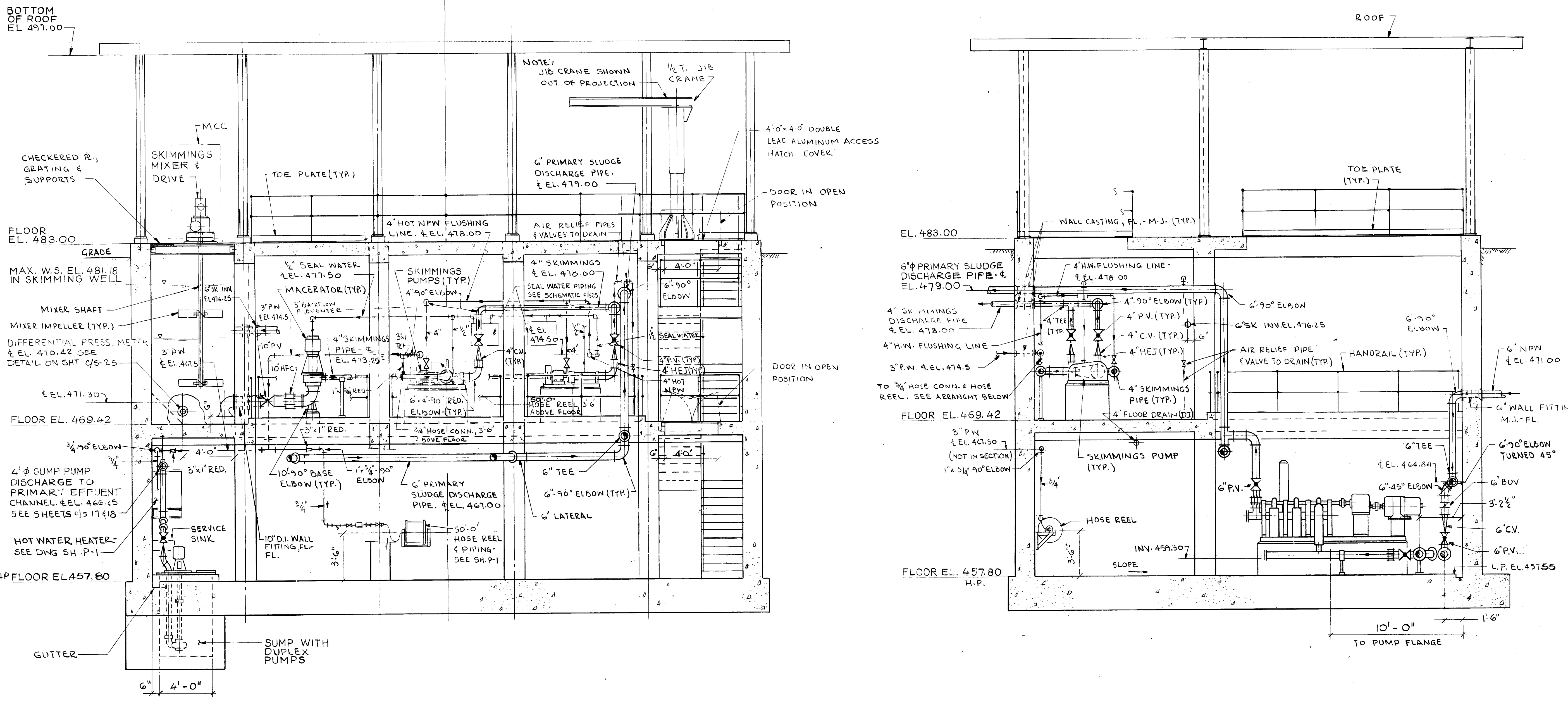
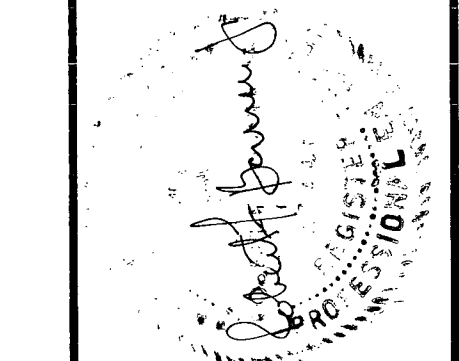
SECTION 2

- NOTE:-
- SCUM BOX TO BE FABRICATED OF 1/4" MIN. THICK. MILD STEEL, UNLESS NOTED OTHERWISE.
 - ALL WELDS TO BE CONTINUOUS "F" WELDS
 - DIMENSIONS FOR SCUM BOX ARE TENTATIVE, AND WILL BE DETERMINED BY EQUIPMENT MANUFACTURER SELECTED.
 - SCUM BOX DETAILS ARE TYPICAL FOR EIGHT (8) TANKS

RECORD DRAWINGS
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 MALCOLM PIRNIE, INC.
 Date: 6/88 By: MGT

DR 83-6502

9100797

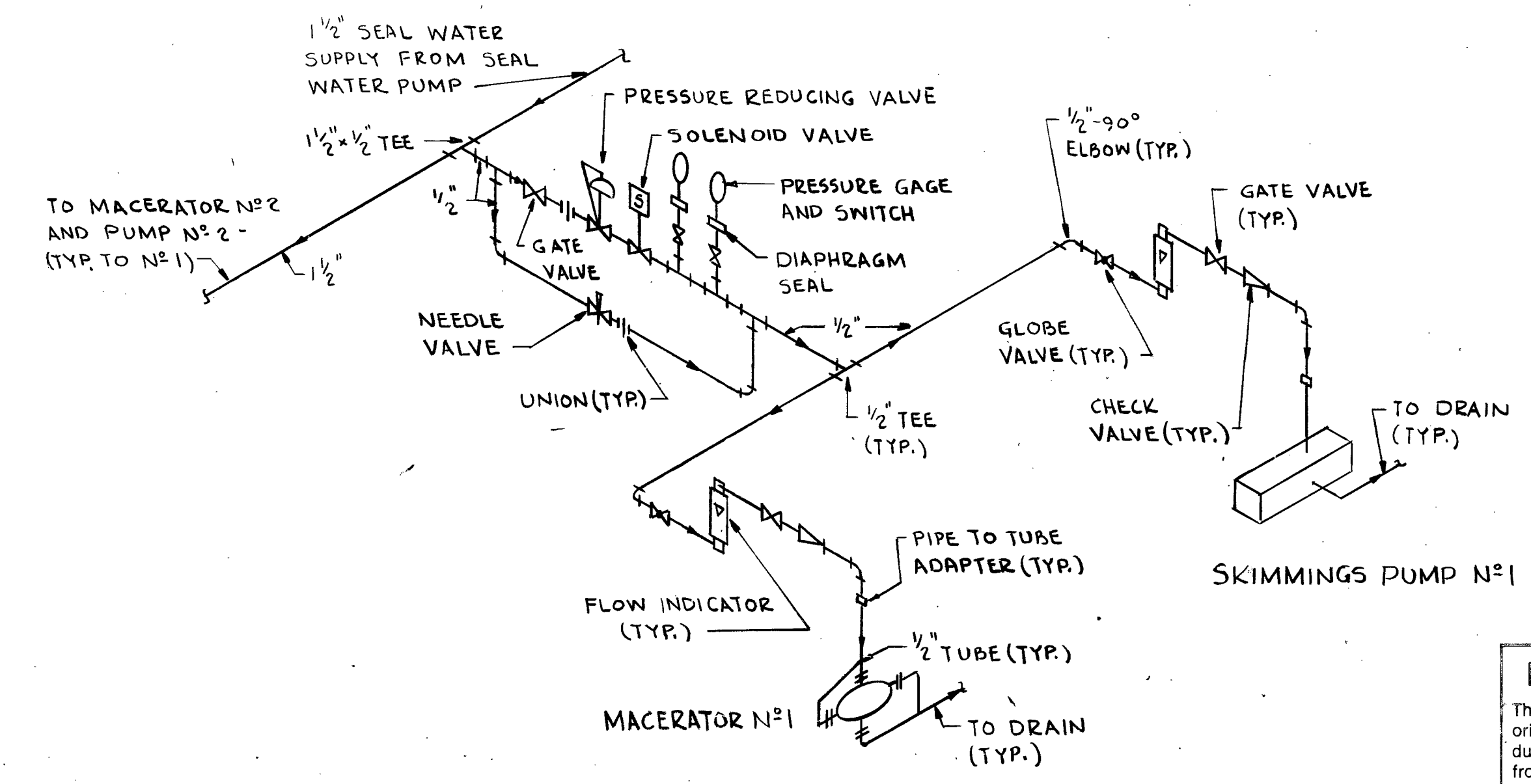
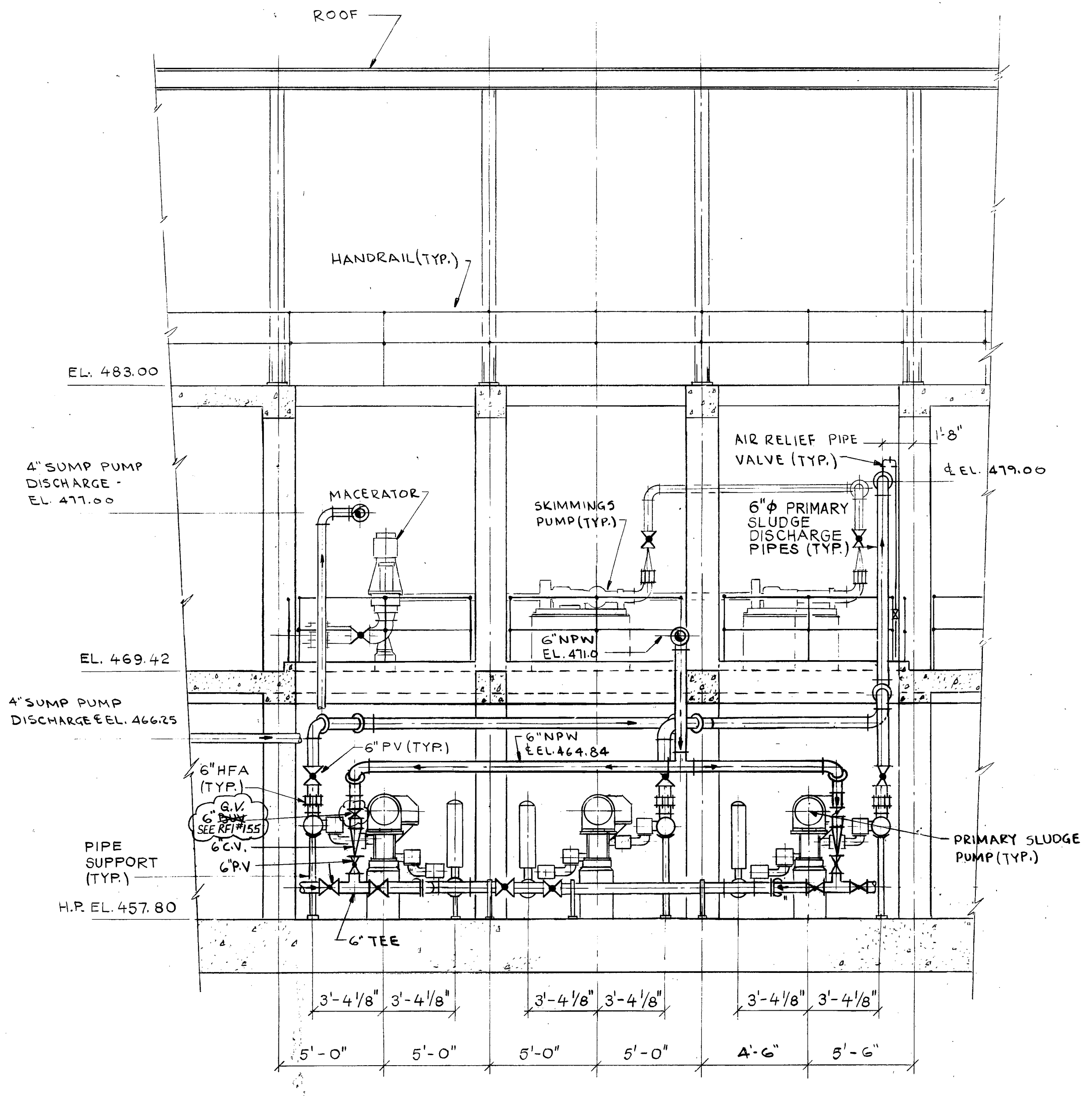
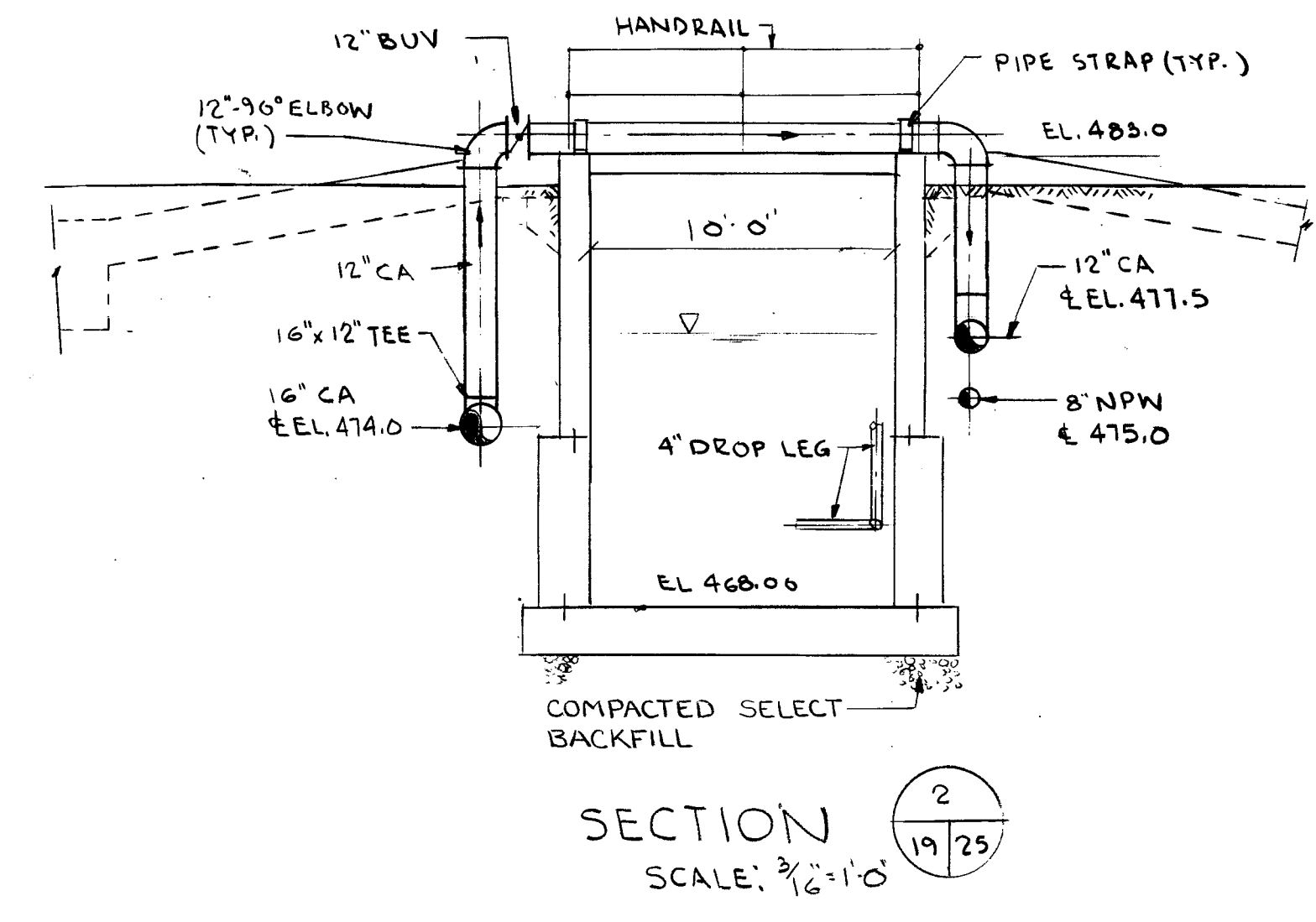
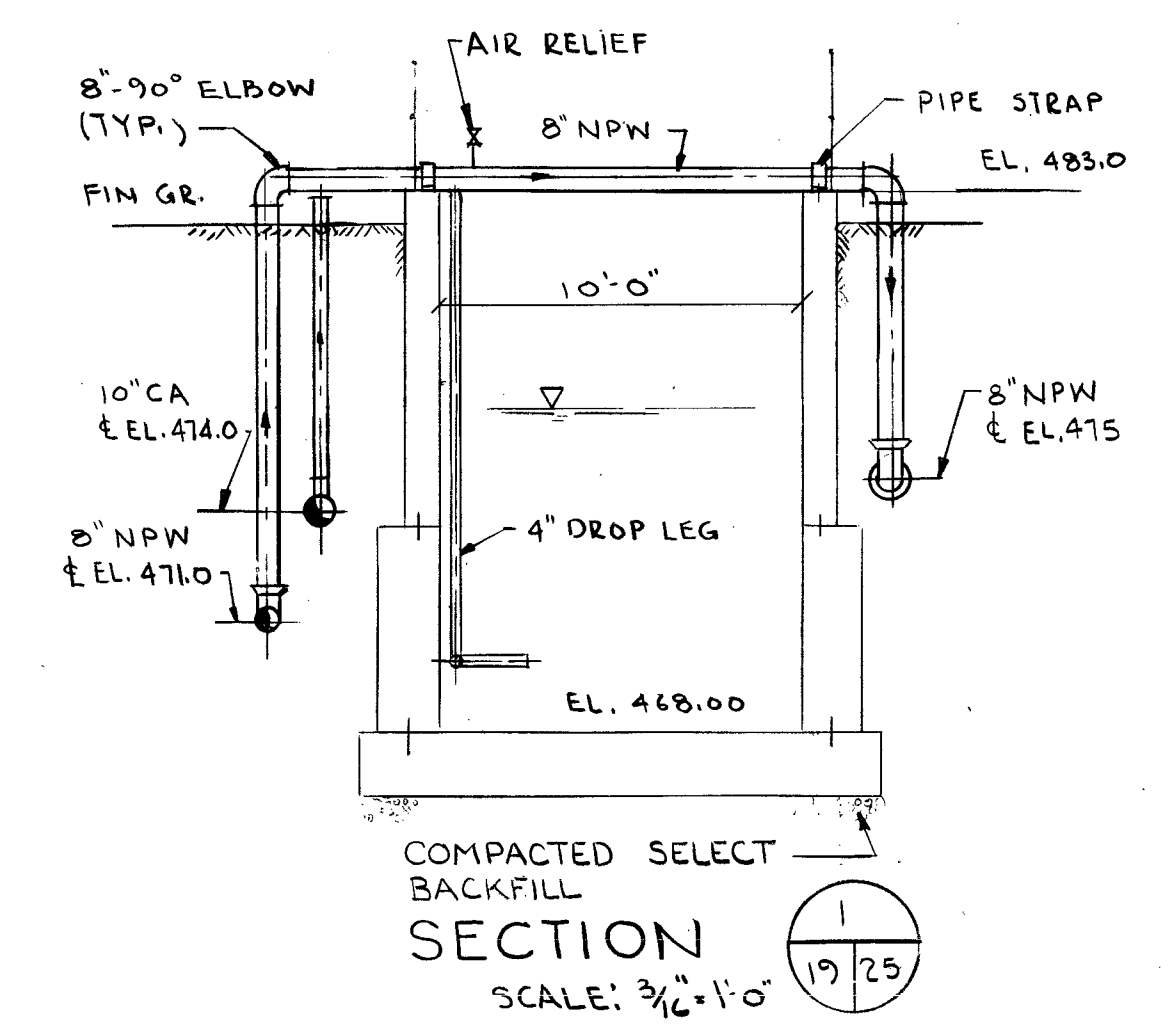
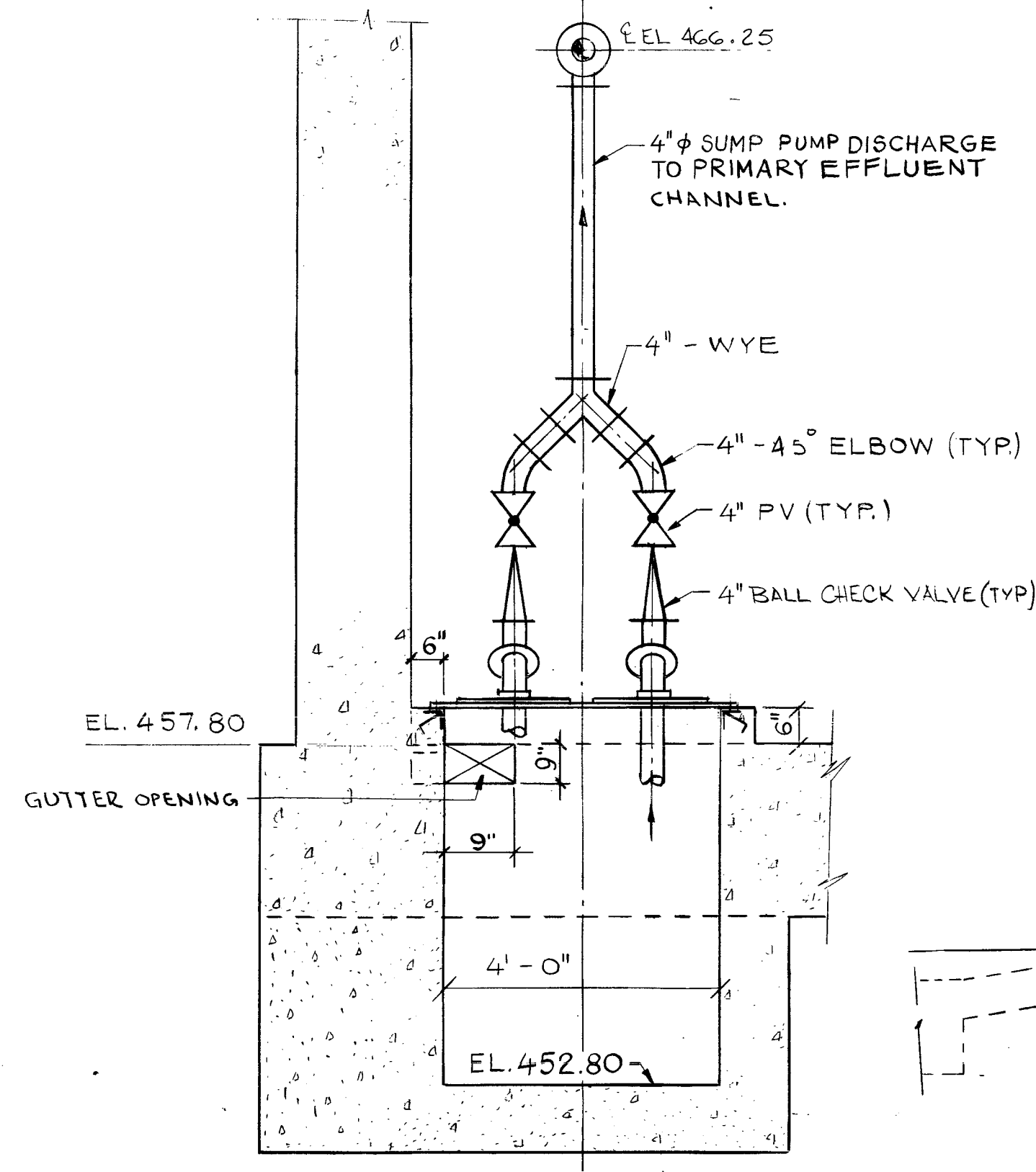
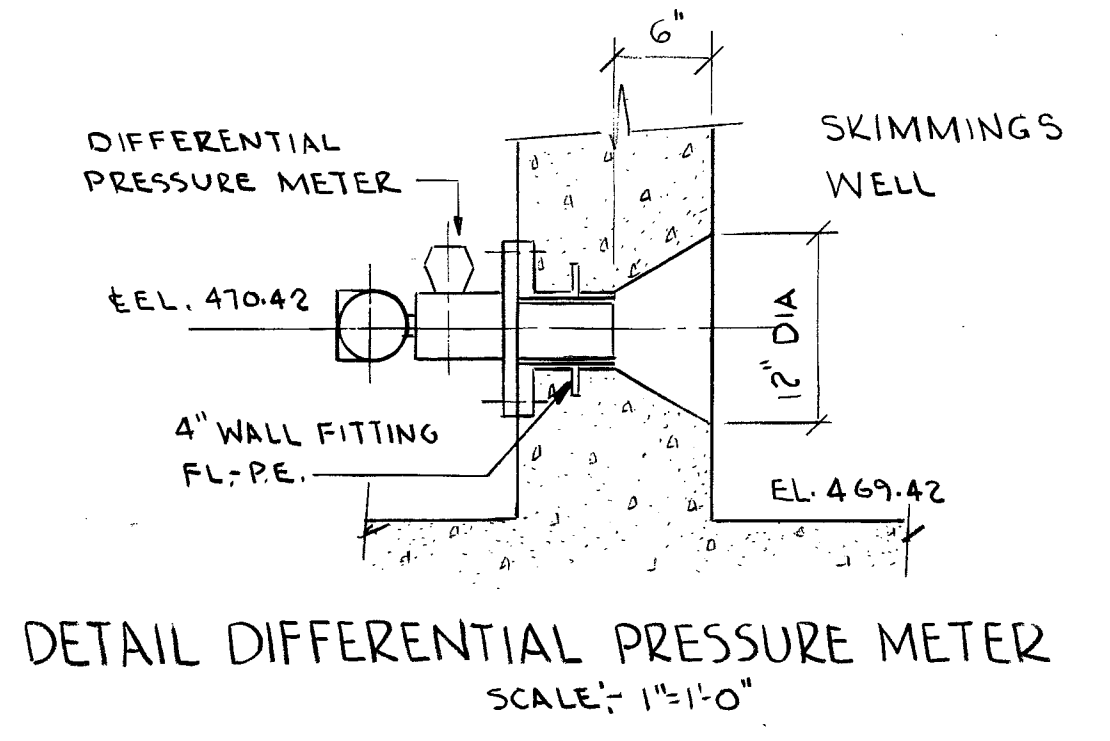
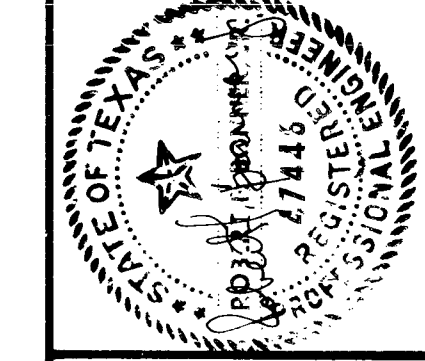


SECTION 2/23/24

RECORD DRAWINGS
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MALCOLM PIRNIE, INC.
Date: 6/88 By: M6M



DR 83-6502



RECORD DRAWINGS
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MALCOLM PIRNIE, INC.
Date: 1/88 By: MGM

DF 83-6502

9100800