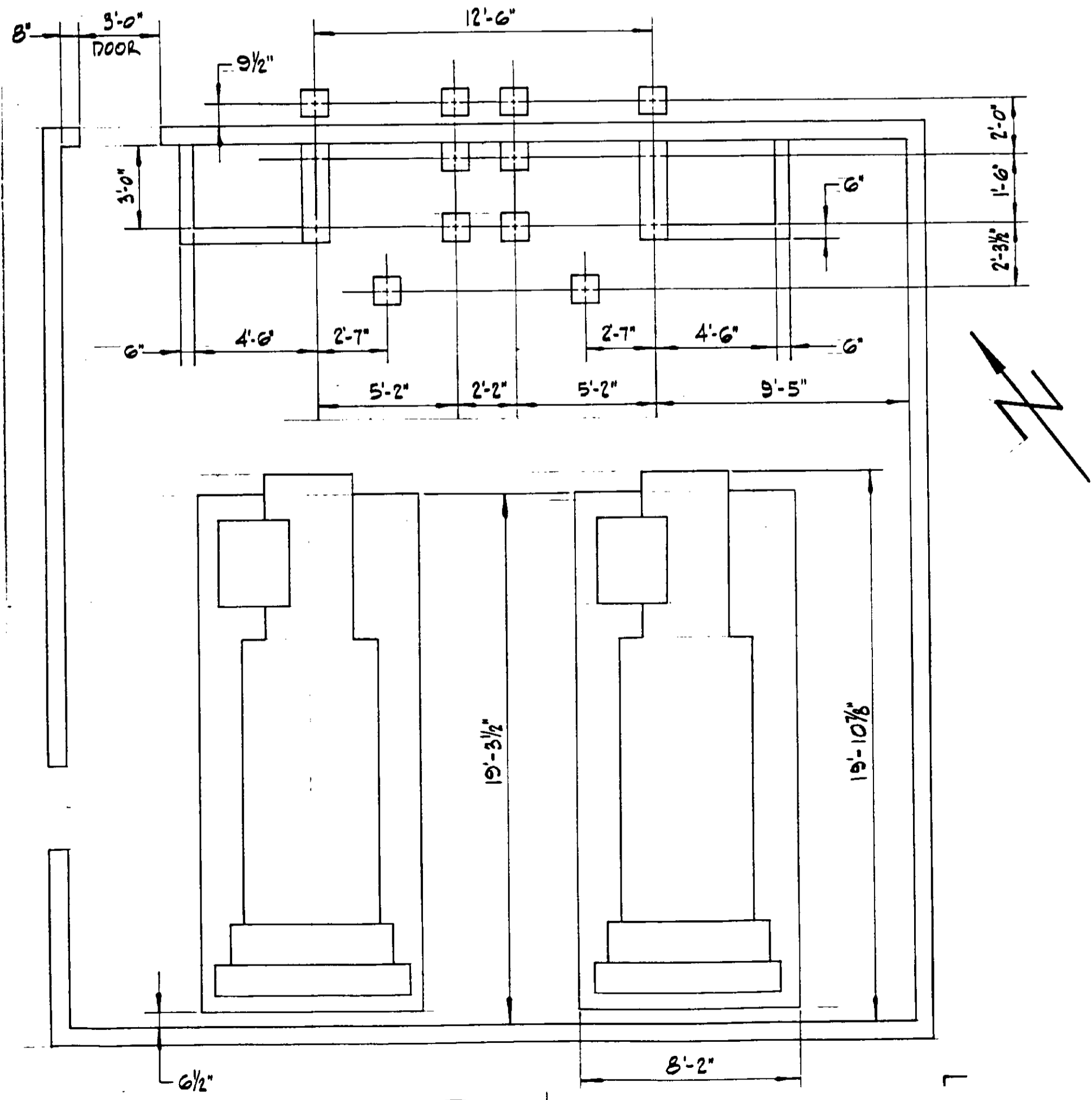


NOTES
 1. FOR DETAILS NOT SHOWN
 SEE SERIES A4 CONTRACT
 DRAWINGS.

REVISED ROOF FRAMING PLAN (IA)
 SCALE: 3/8" = 1'-0" (TOS EL 492.33' UNLESS NOTED)
 SKA4-2A

REFERENCE DRAWING: SKA4-2A
 PLAN CHANGE: PCH-CS-19

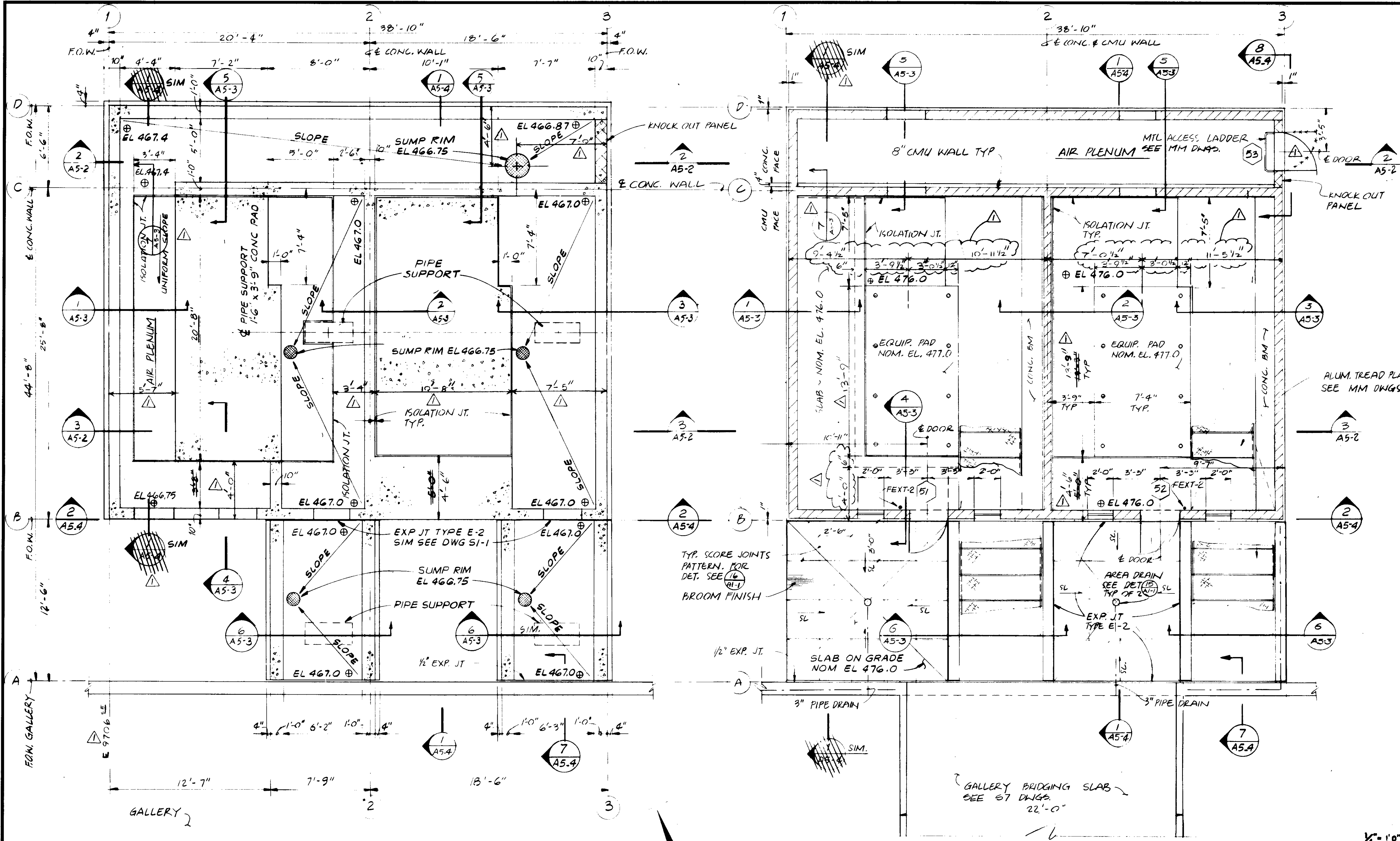


PLAN
 ENGINE GENERATOR ROOM
 REFERENCE DRAWING: SKA4-1
 PLAN CHANGE: PCH-CS-36

RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
 RCE 14038
 KATSURA CONSULTING ENGINEERS March 1985

03157

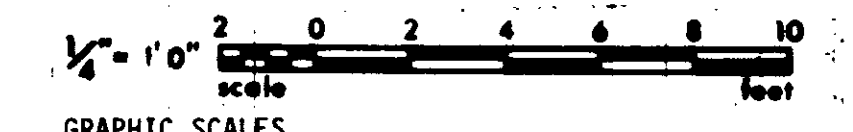
ELECTRICAL BUILDING - PLANS	SHEET A4-7
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- NOTES**
1. FOR LOCATION AND DETAIL OF PIPE SUPPORTS AND SUMP PITS SEE MECHANICAL DRAWINGS.
 2. DIMENSIONS SHOWN ARE TO FACE OF STRUCTURE UNLESS NOTED OTHERWISE
 3. ALL CMU WALL SHALL BE REINFORCED W/ TYPICAL REINFORCEMENT UNLESS NOTED OTHERWISE. FOR TYPICAL REINFORCEMENT, ADDITIONAL REINFORCING AT OPENING IN CMU WALL AND DETAILS OF CONNECTION TO CMU WALL SEE SH 51-4.

△ FOUNDATION PLAN
1/4" = 1'-0"

△ FLOOR PLAN
1/4" = 1'-0"



DRAWING MAY BE REDUCED IN REPRODUCTION. SCALES SHOWN APPLY TO SHEETS AS DRAWN.

RECORD DRAWINGS
 Per Field Information Provided by Morley-Ziebarth & Alper
[Signature]
 RCE 14088
 KATSURA CONSULTING ENGINEERS March 1985

03158

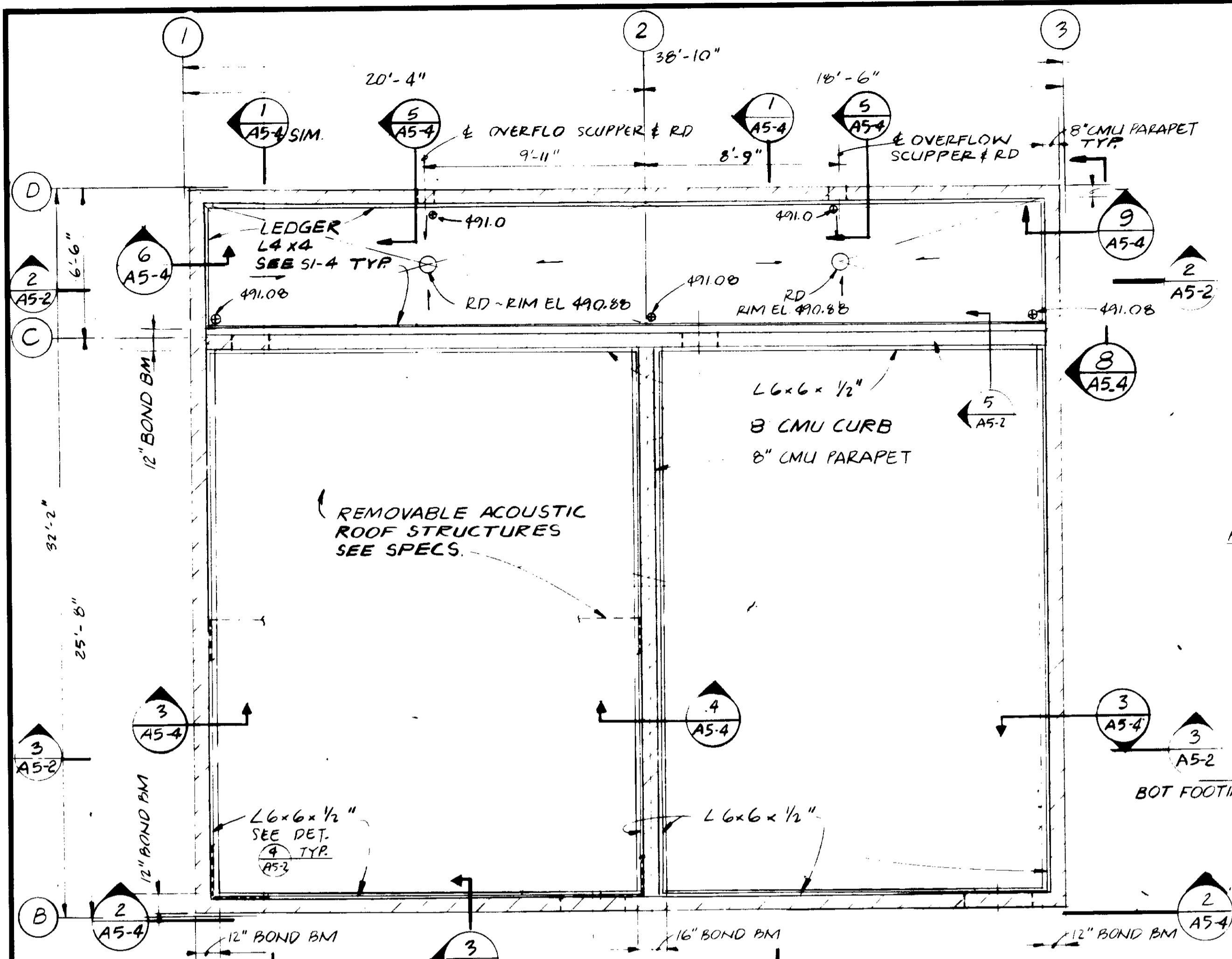
REV	DATE	BY	DESCRIPTION

SCALE :	AS SHOWN
DESIGNED	ALL
DRAWN	ARP
CHECKED	

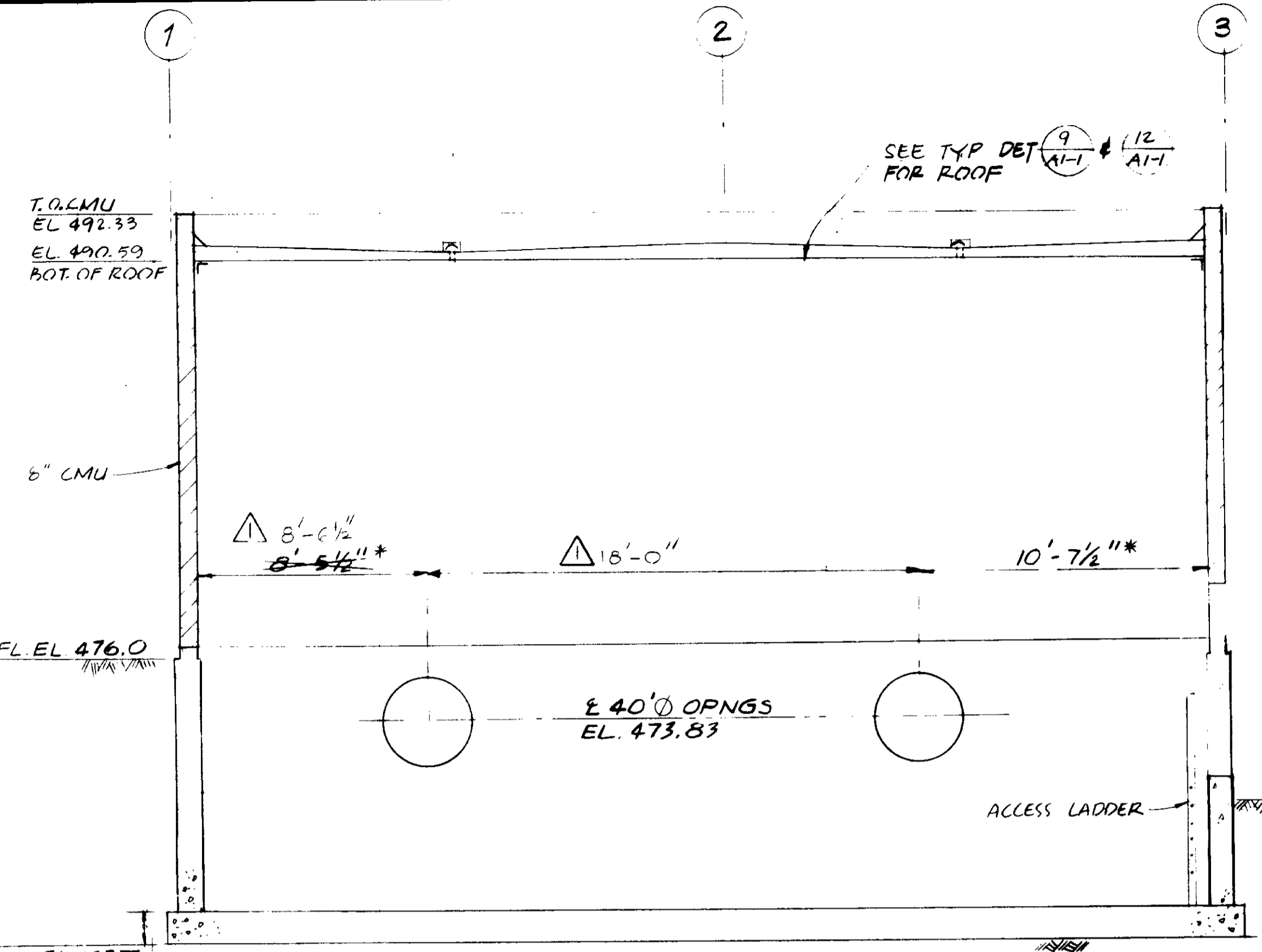
SUBMITT	<i>[Signature]</i>	14038	11-5-79
PROJECT MANAGER	<i>[Signature]</i>	R.C.E. NO.	DATE
PROJECT ADMINISTRATOR	<i>[Signature]</i>	14884	11-5-79
		R.C.E. NO.	DATE

LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.	
PROCESS AIR: BUILDING - FOUNDATION & FLOOR PLANS	

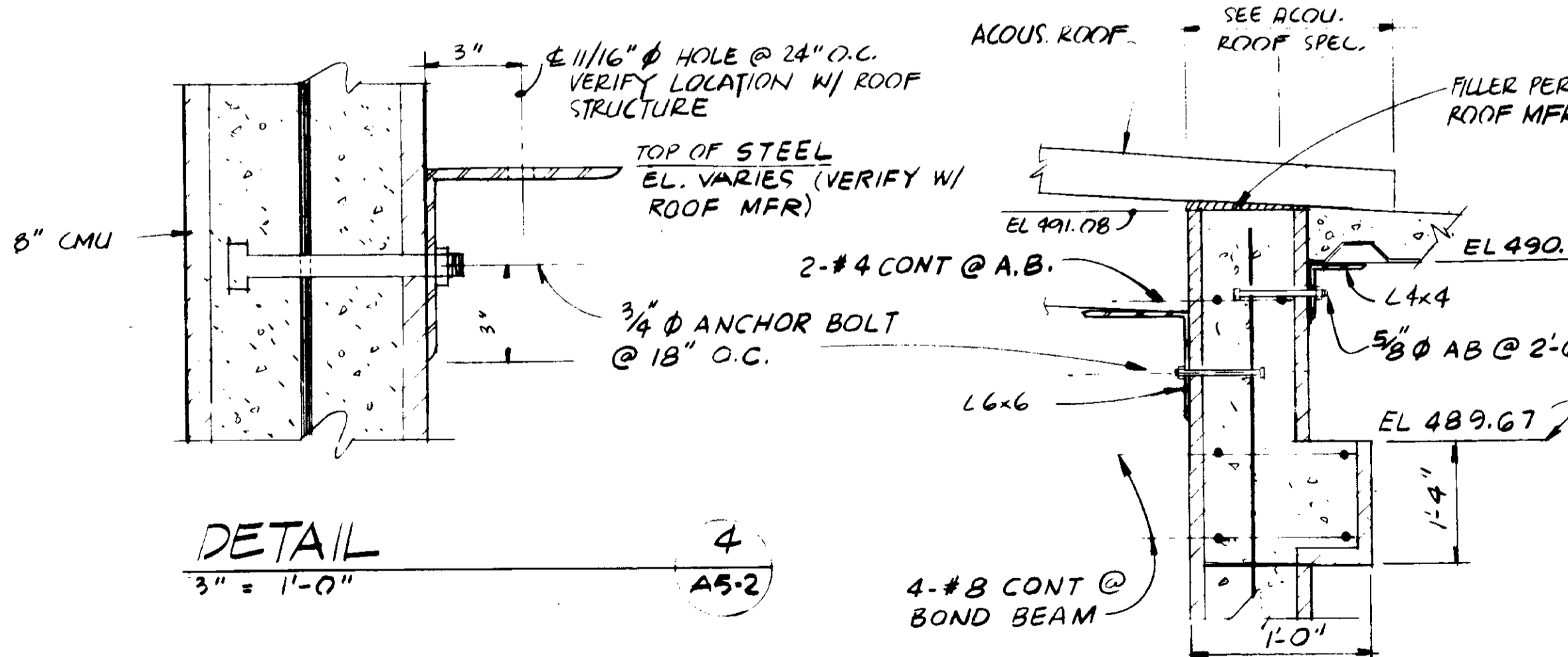
SHEET
A5-1



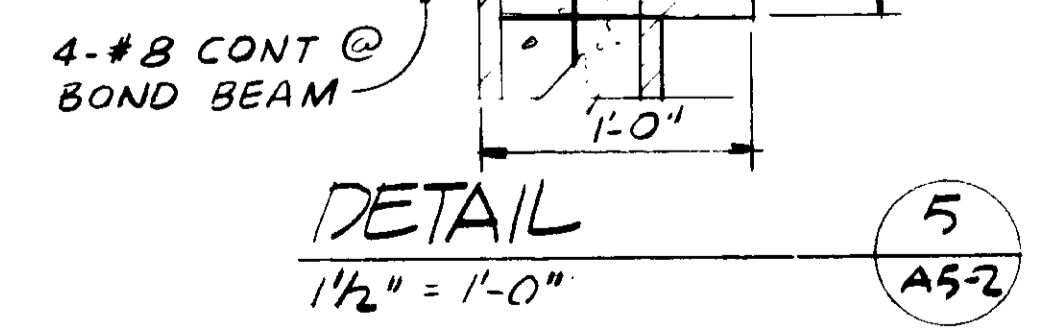
ROOF PLAN
1/4" = 1'-0"



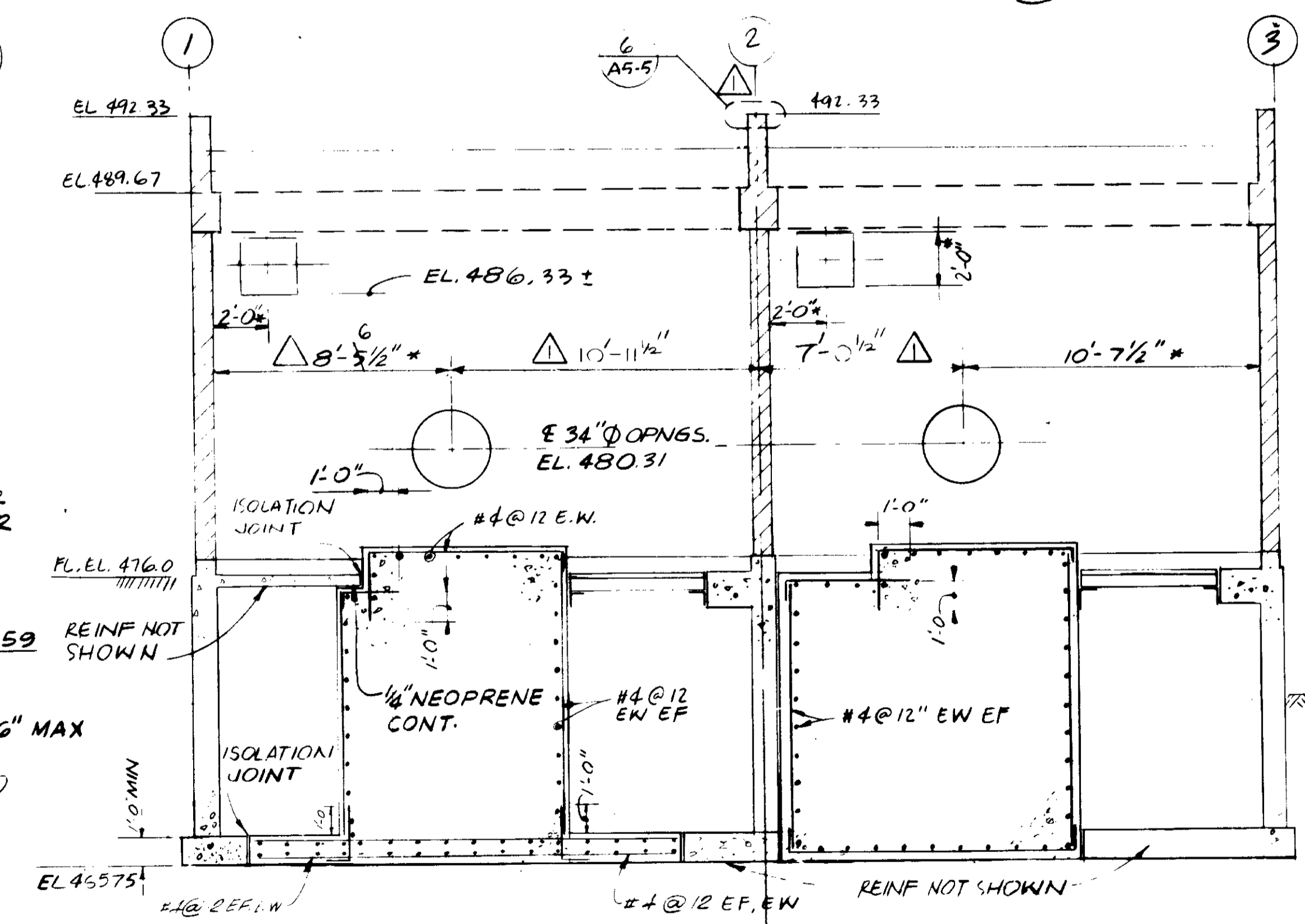
SECTION
1/4" = 1'-0"



DETAIL
3" = 1'-0"



DETAIL
1 1/2" = 1'-0"

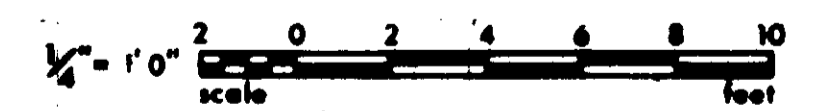


SECTION
1/4" = 1'-0"

NOTES
1. SYMBOL * INDICATES DIMENSION TO BE VERIFIED BY EQUIPMENT MANUFACTURER

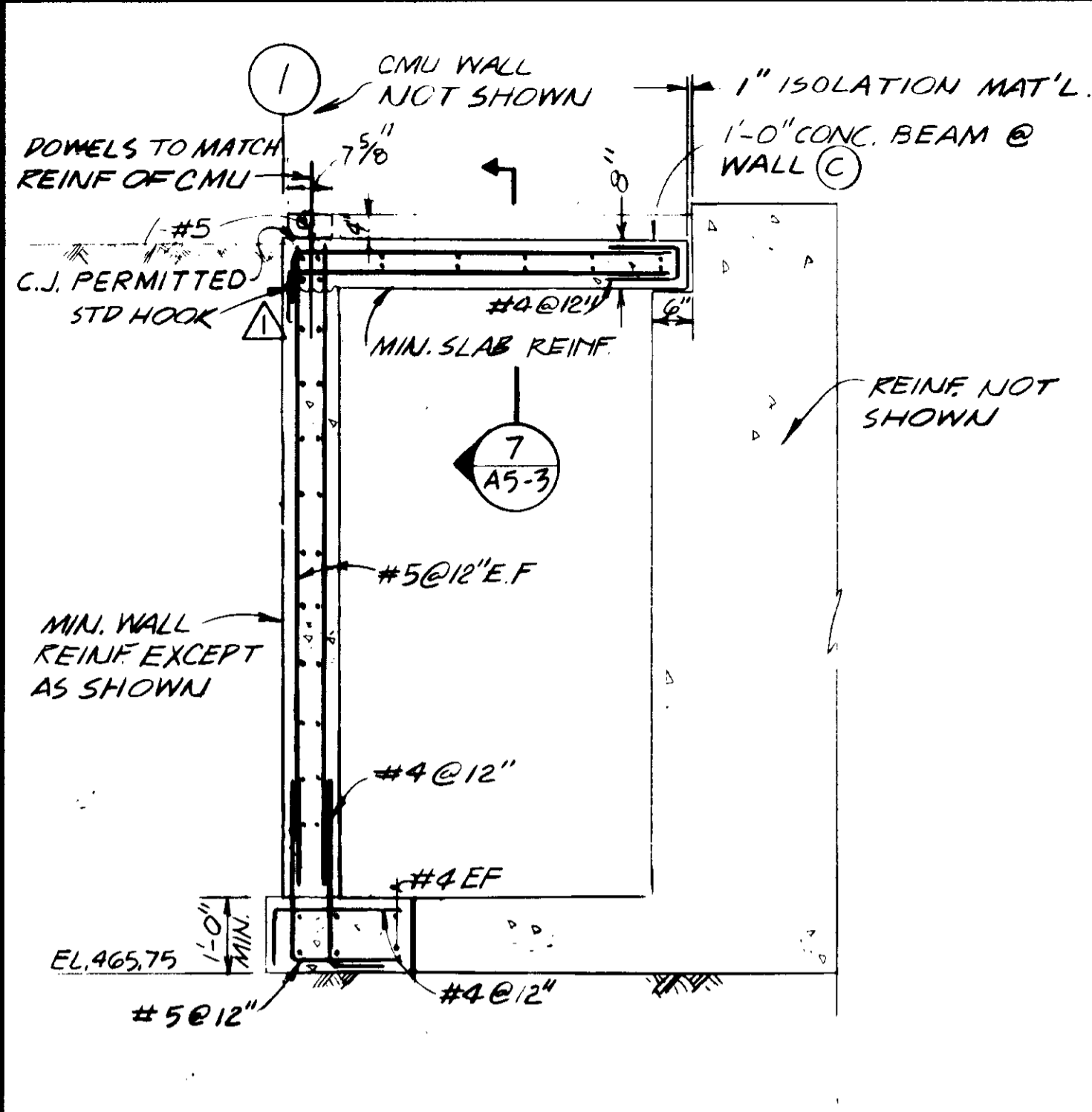
03159

RECORD DRAWINGS
Per Field Information Provided by Morley-Ziebarth & Alper
[Signature] RCE 14038
KATSUBA CONSULTING ENGINEERS March 1985

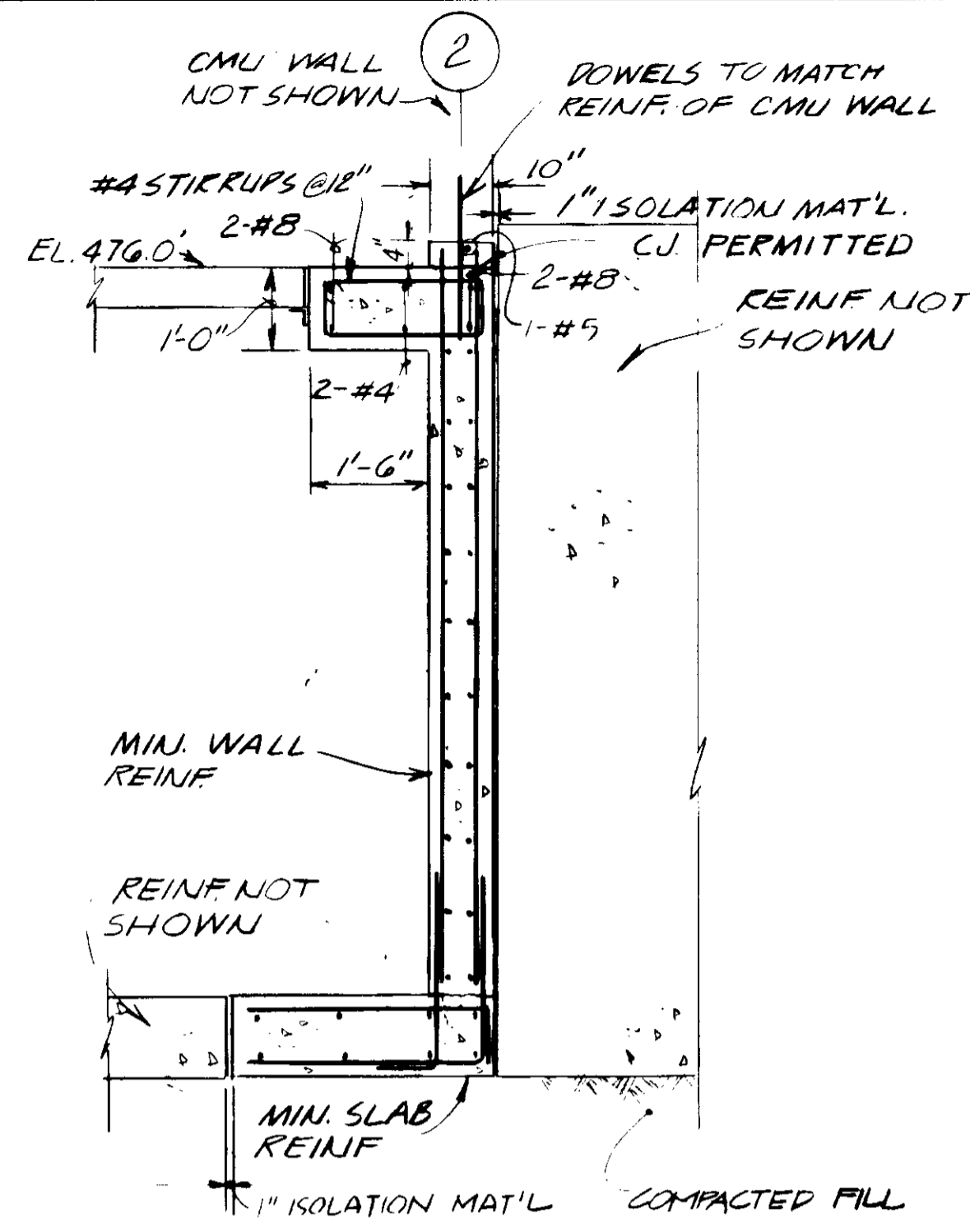


GRAPHIC SCALES
DRAWING MAY BE REDUCED IN REPRODUCTION.
SCALES SHOWN APPLY TO SHEETS AS DRAWN.

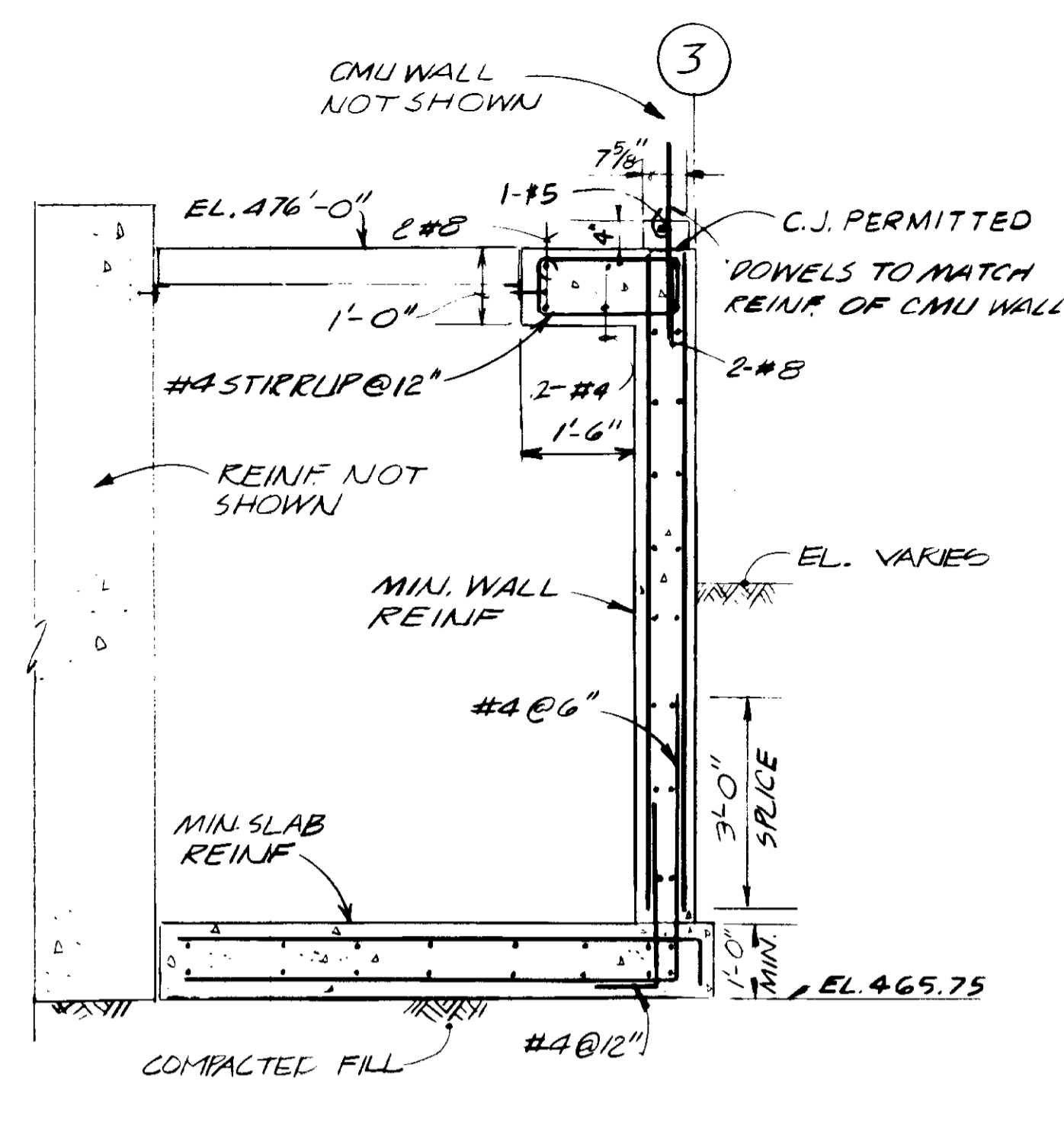
SCALE: AS SHOWN DESIGNED: ACC DRAWN: ARP CHECKED:		SUBMITTED: <i>[Signature]</i> 14038 11-5-79 PROJECT MANAGER: R.C.E. NO. DATE PROJECT ADMINISTRATOR: <i>[Signature]</i> 14884 11-5-79 R.C.E. NO. DATE		JKK CONSULTING ENGINEERS A JOINT VENTURE 8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 933-9117		LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. PROCESS AIR BUILDING - ROOF PLAN & SECTIONS		SHEET A5-2	
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION		



SECTION 1
1/2" = 1'-0" A5-3

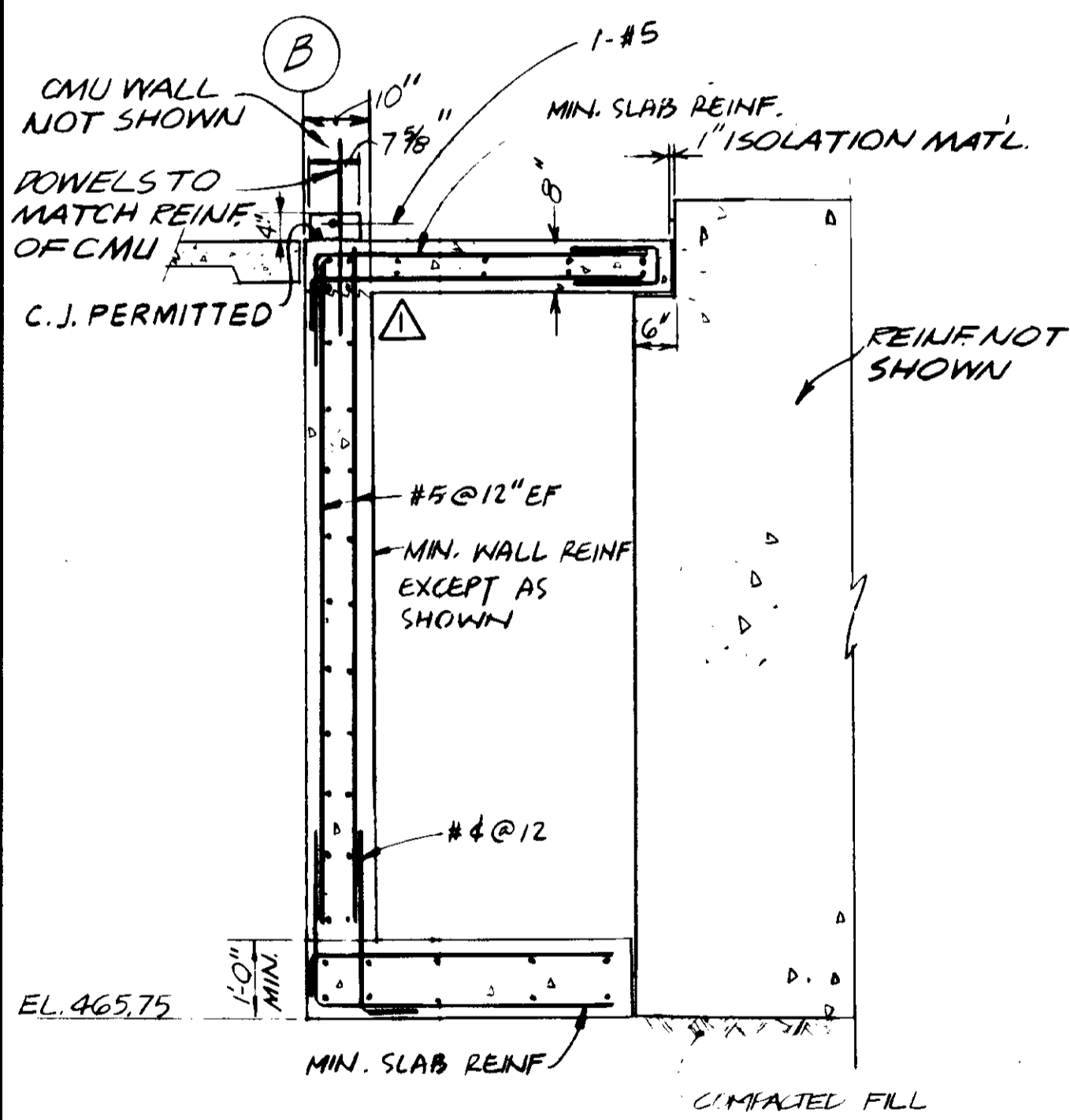


SECTION 2
1/2" = 1'-0" A5-3

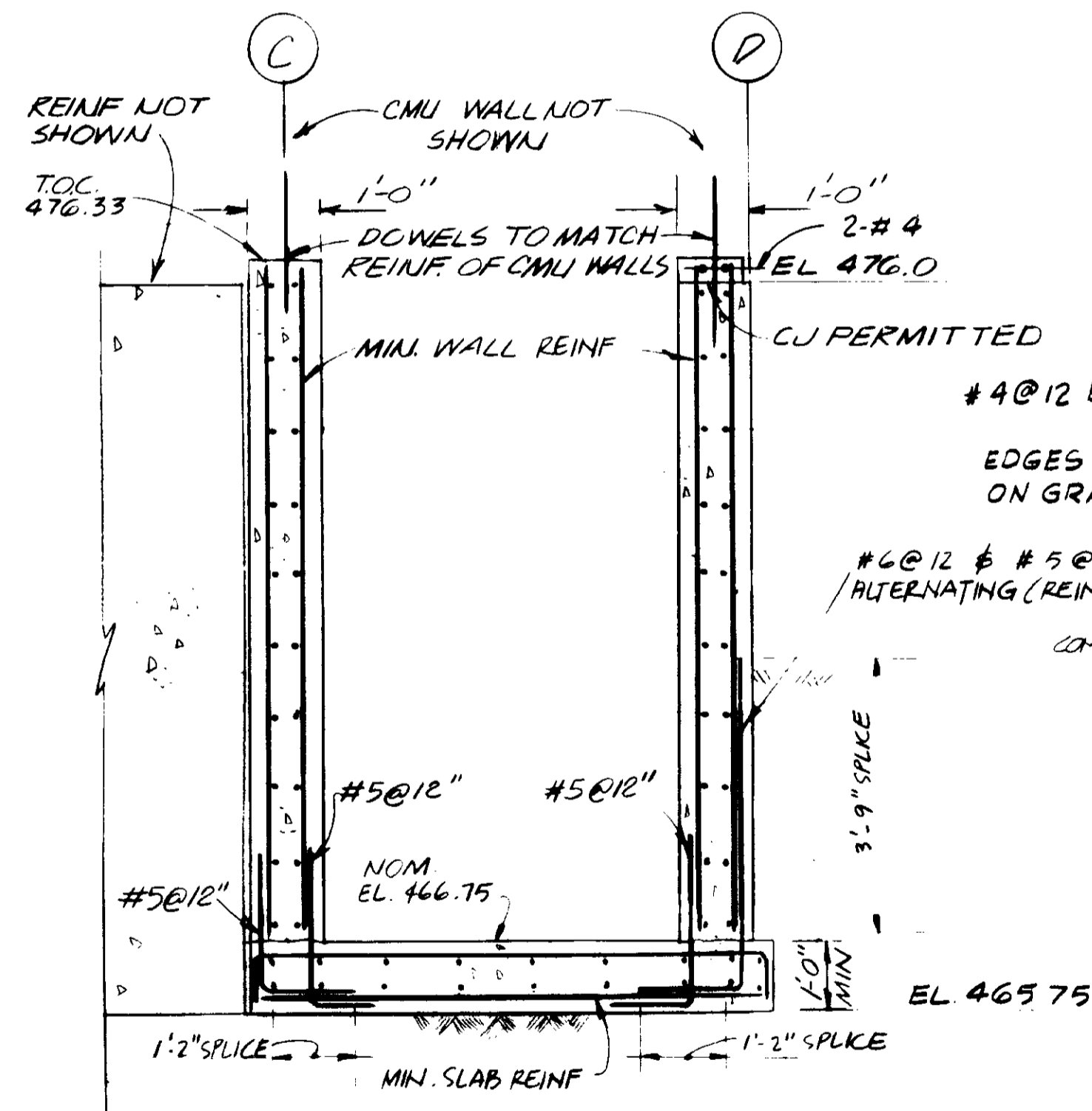


SECTION 3
1/2" = 1'-0" A5-3

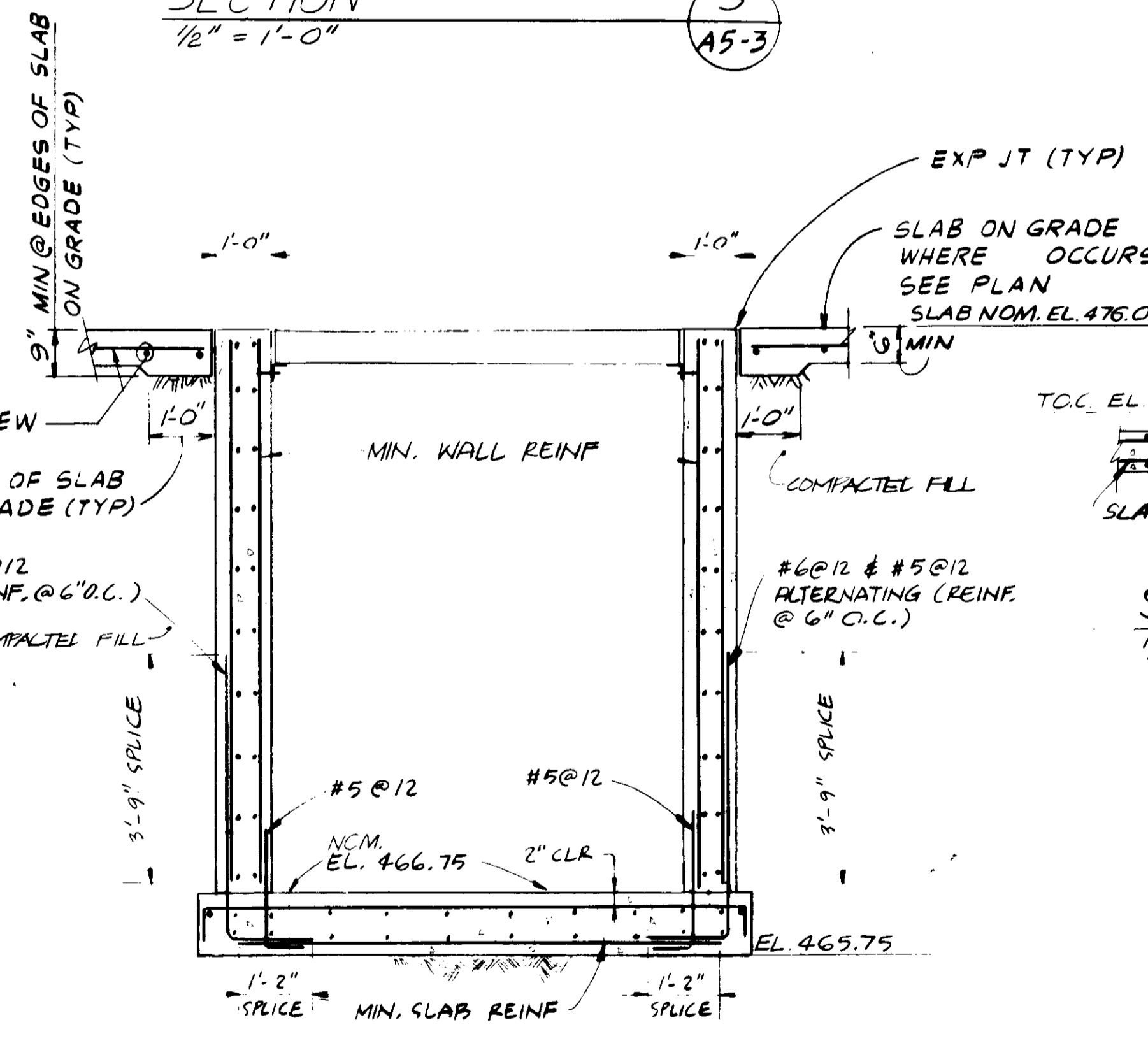
- NOTES**
- SEE GENERAL NOTES AND TYPICAL DETAILS, DRAWING SERIES S1
 - REFERENCES TO "MIN. REINF." FOR SLABS REFER TO MINIMUM TYPICAL REINFORCEMENT SPECIFIED IN THE GENERAL NOTES.
 - WALL AND SLAB REINFORCEMENT NOT OTHERWISE NOTED SHALL BE "MIN. REINF." AS SHOWN ON S-1 DWG.



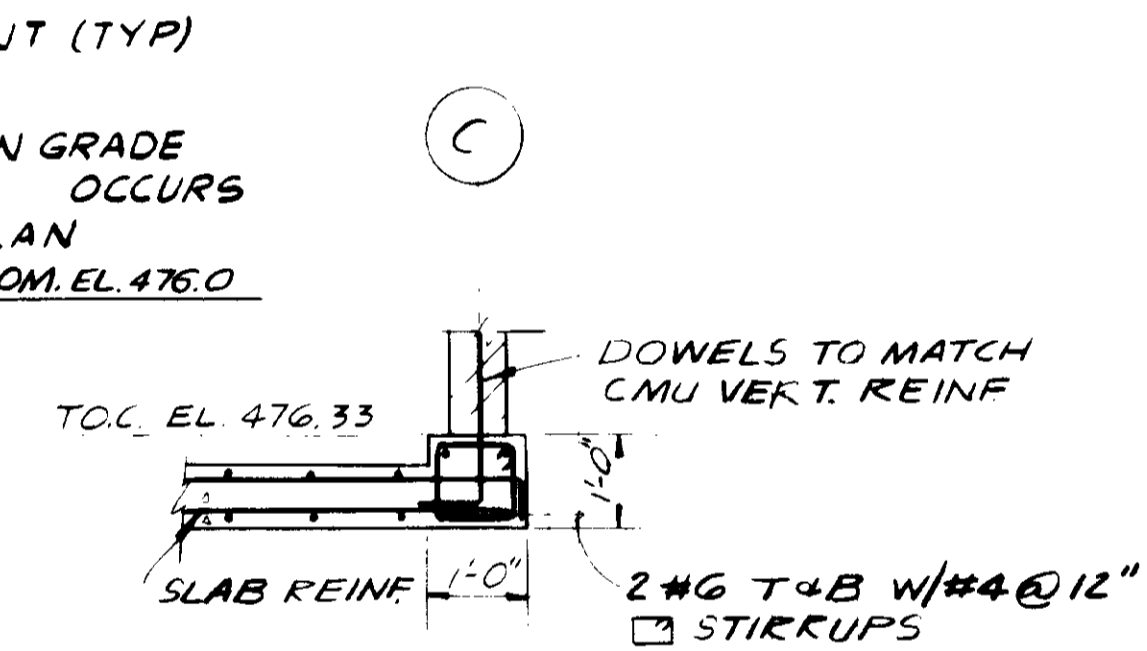
SECTION 4
1/2" = 1'-0" A5-3



SECTION 5
1/2" = 1'-0" A5-3



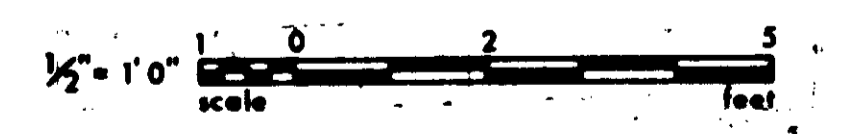
SECTION 6
1/2" = 1'-0" A5-3



SECTION 7
1/2" = 1'-0" A5-3

RECORD DRAWING

Per Field Information Provided By Morley-Ziebarth & Alper
John Valenzuela
 RCE 14038
 KATSUMA CONSULTING ENGINEERS March 1988



03160

REV	DATE	BY	DESCRIPTION

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

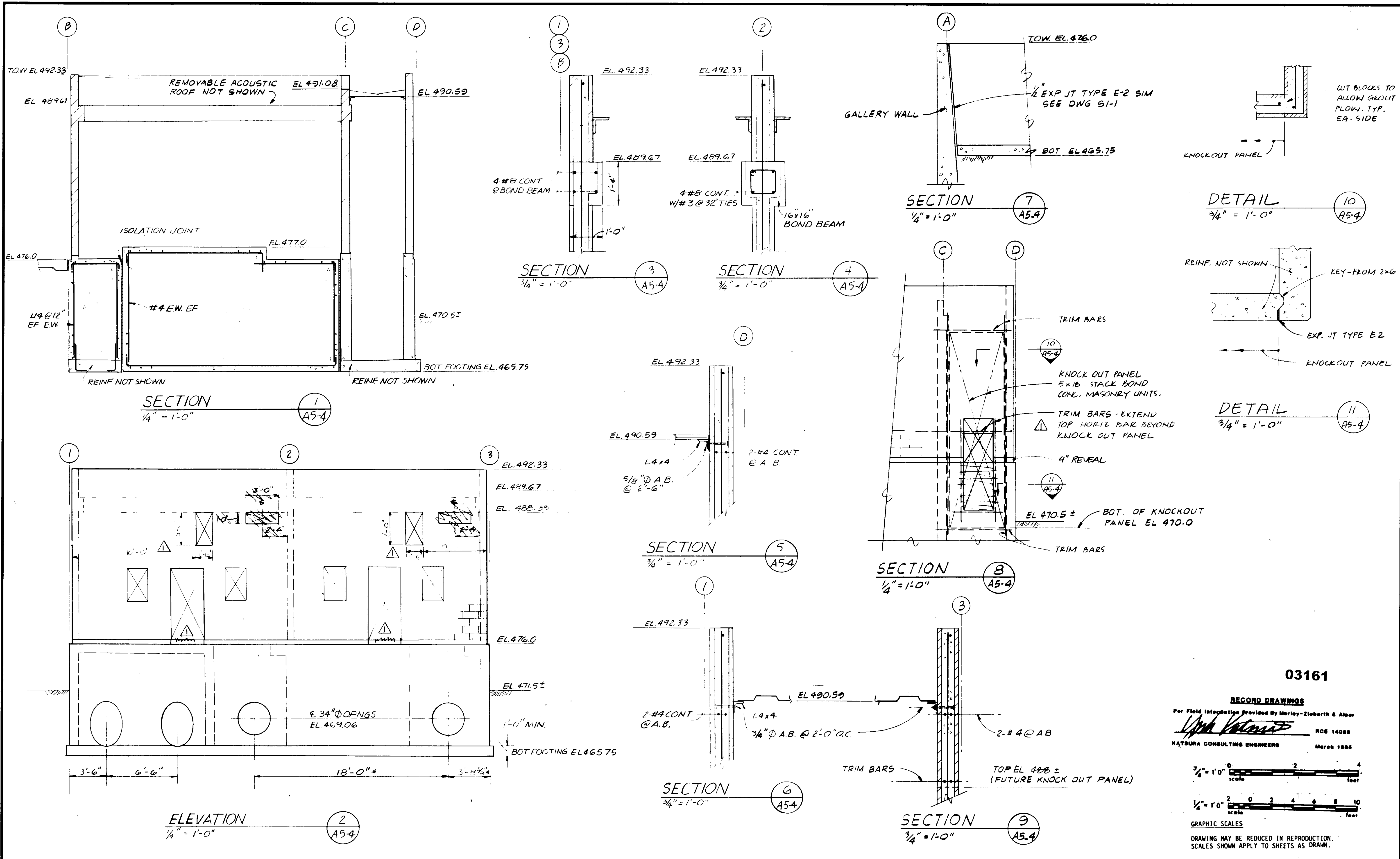
DESIGNED	WFC
DRAWN	RC
CHECKED	ARP

SUBMITTED	14038	11-5-79
PROJECT MANAGER	R.C.E. NO.	DATE
PROJECT ADMINISTRATOR	14884	11-5-79
	R.C.E. NO.	DATE

J&K CONSULTING ENGINEERS
 A JOINT VENTURE
 8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 958-9117

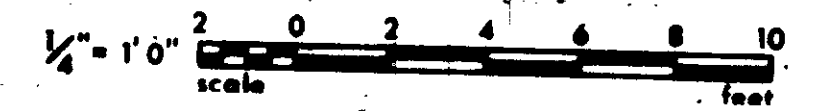
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 PROCESS AIR BUILDING - SECTIONS & DETAILS

SHEET
A5-3



03161

RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alger
[Signature] RCE 14088
 KATSURA CONSULTING ENGINEERS March 1988

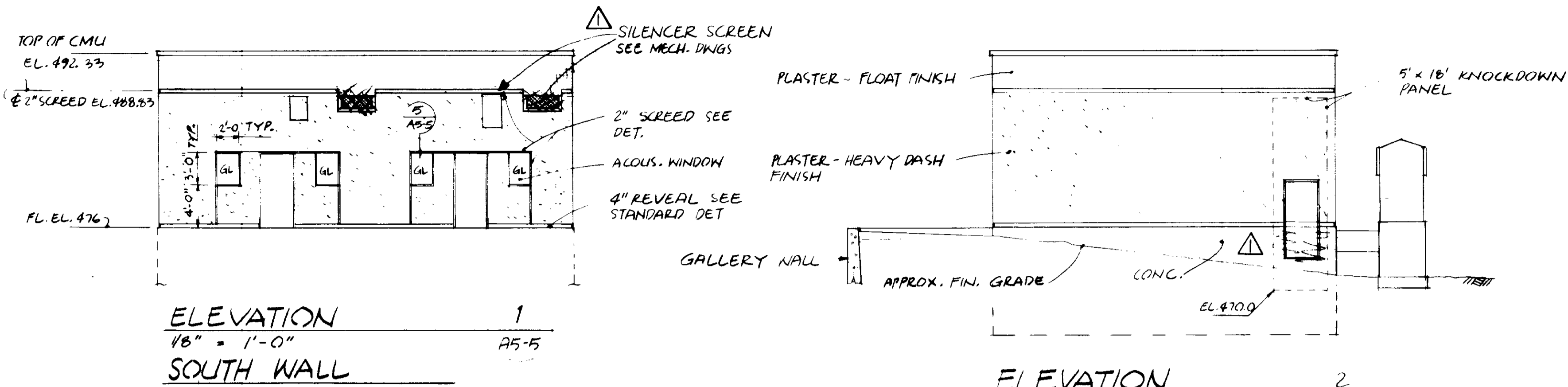


GRAPHIC SCALES
 DRAWING MAY BE REDUCED IN REPRODUCTION.
 SCALES SHOWN APPLY TO SHEETS AS DRAWN.

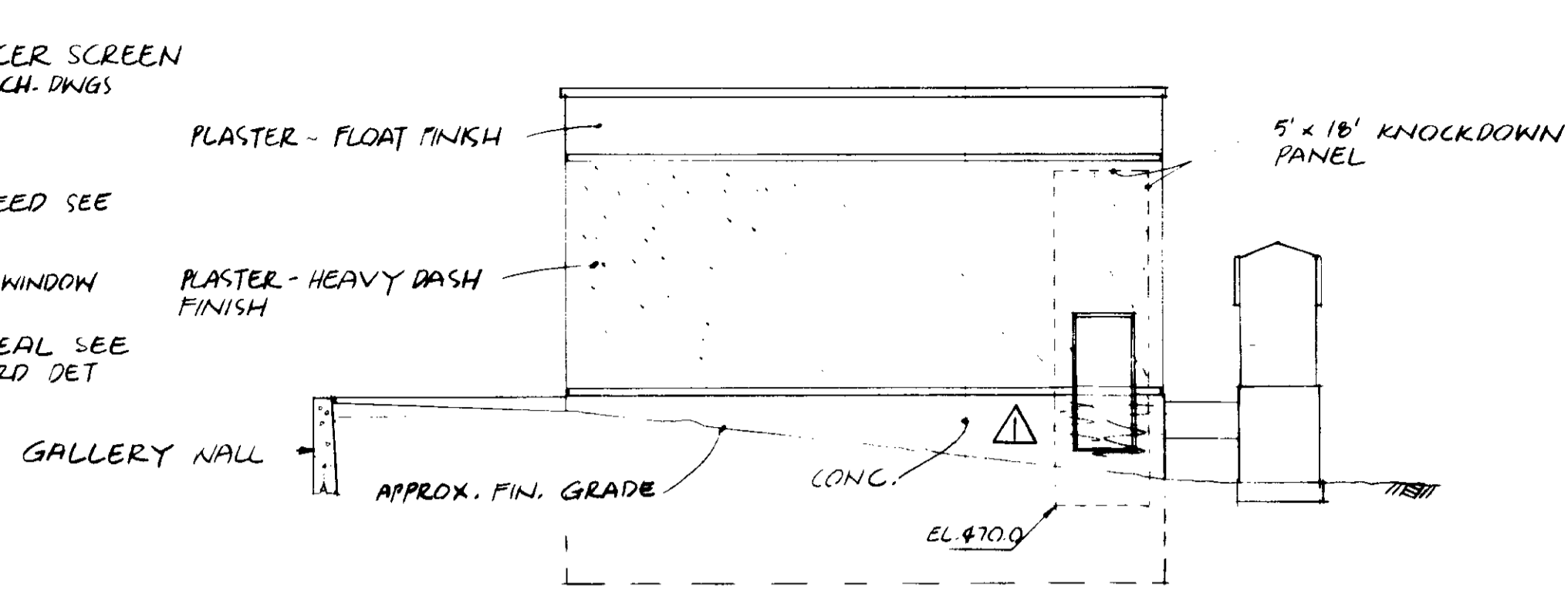
SCALE: AS SHOWN		LT DESIGNED: ACC/ENG DRAWN: ARP CHECKED:		SUBMITTED: <i>[Signature]</i> 14038 11-5-79 PROJECT MANAGER: R.C.E. NO. DATE PROJECT ADMINISTRATOR: <i>[Signature]</i> 14804 11-5-79 R.C.E. NO. DATE		JKE CONSULTING ENGINEERS A JOINT VENTURE 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018 (213) 933-9117		LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. PROCESS AIR BUILDING - ELEVATIONS & DETAILS		SHEET A5-4	
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION				

NOTES

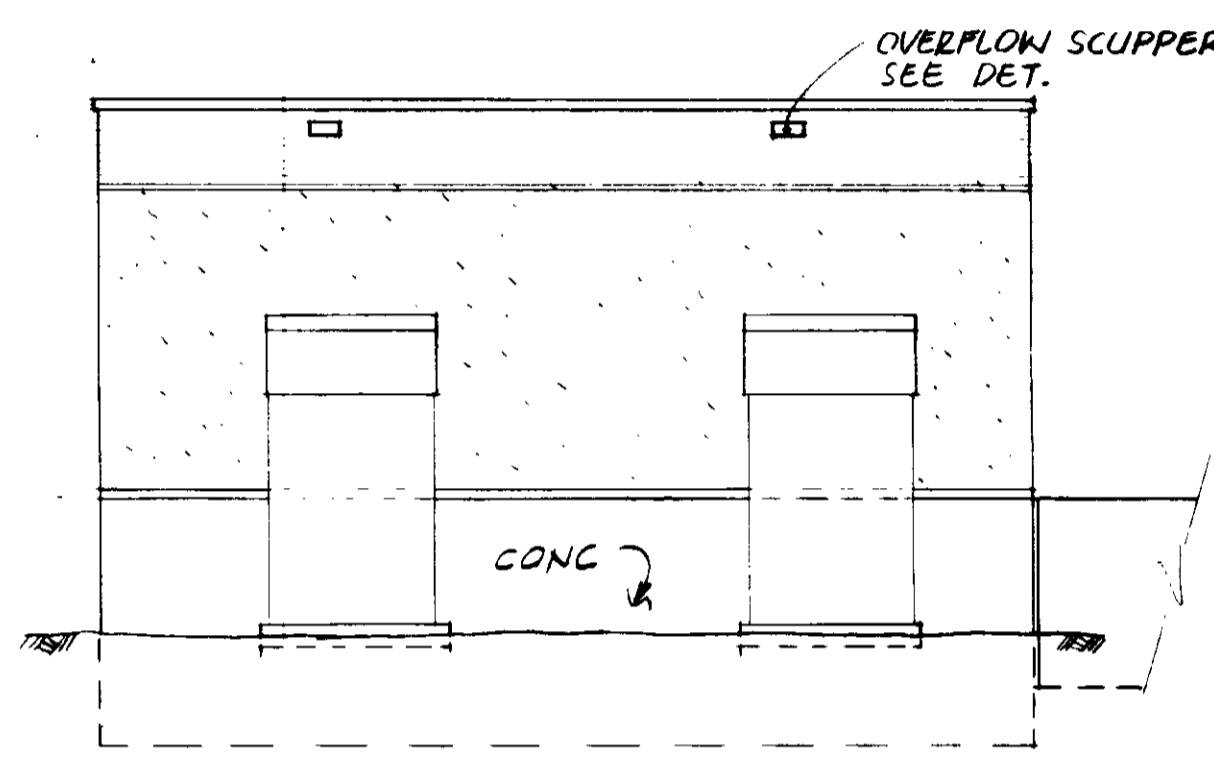
1. SEE TYPICAL ARCHITECTURAL DETAILS & NOTES ON A-1 SERIES.
2. ALL EXPOSED EXTERIOR CONCRETE SHALL BE FINISHED SMOOTH.
3. DIMENSIONS SHOWN ON PLANS ARE NOMINAL FACE OF STRUCTURE DIMENSIONS



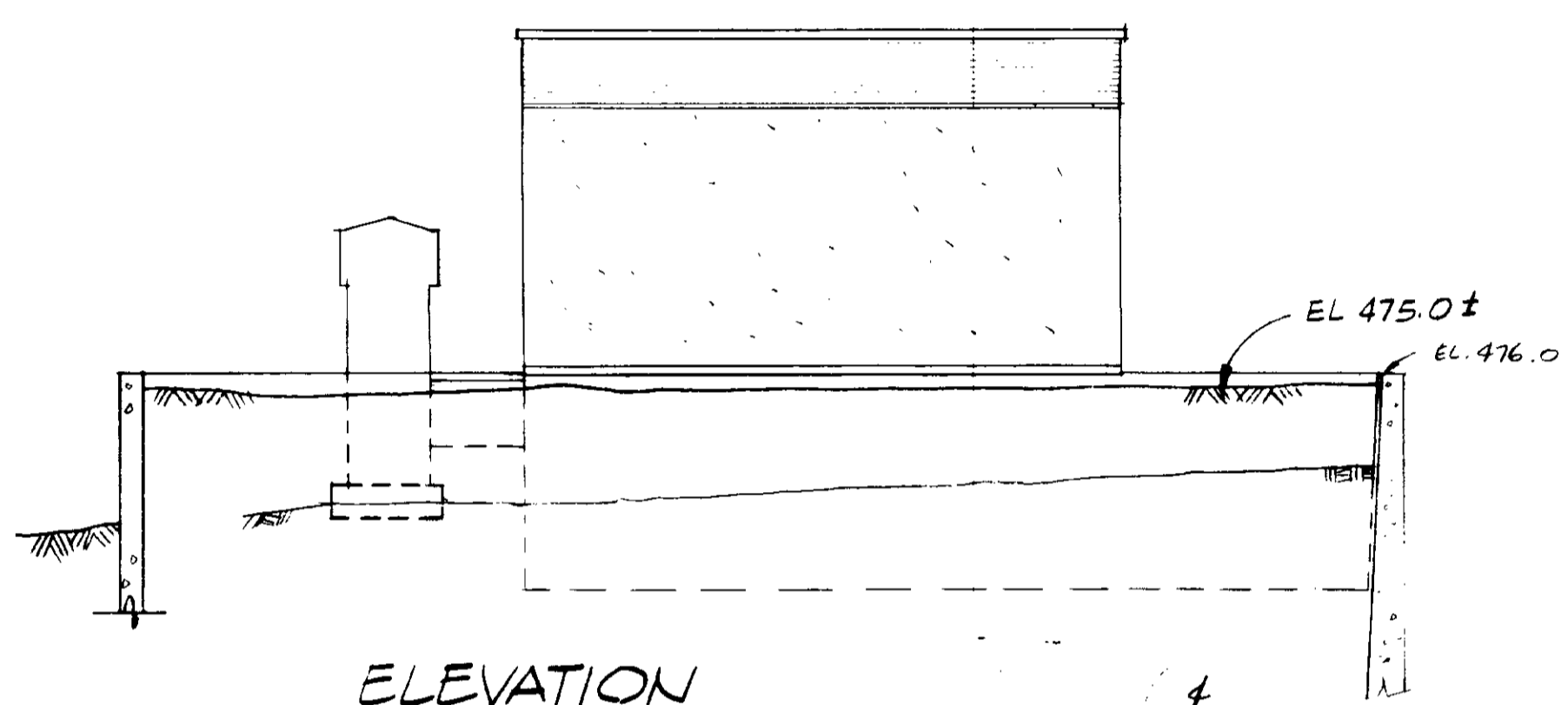
ELEVATION 1
1/8" = 1'-0"
SOUTH WALL
A5-5



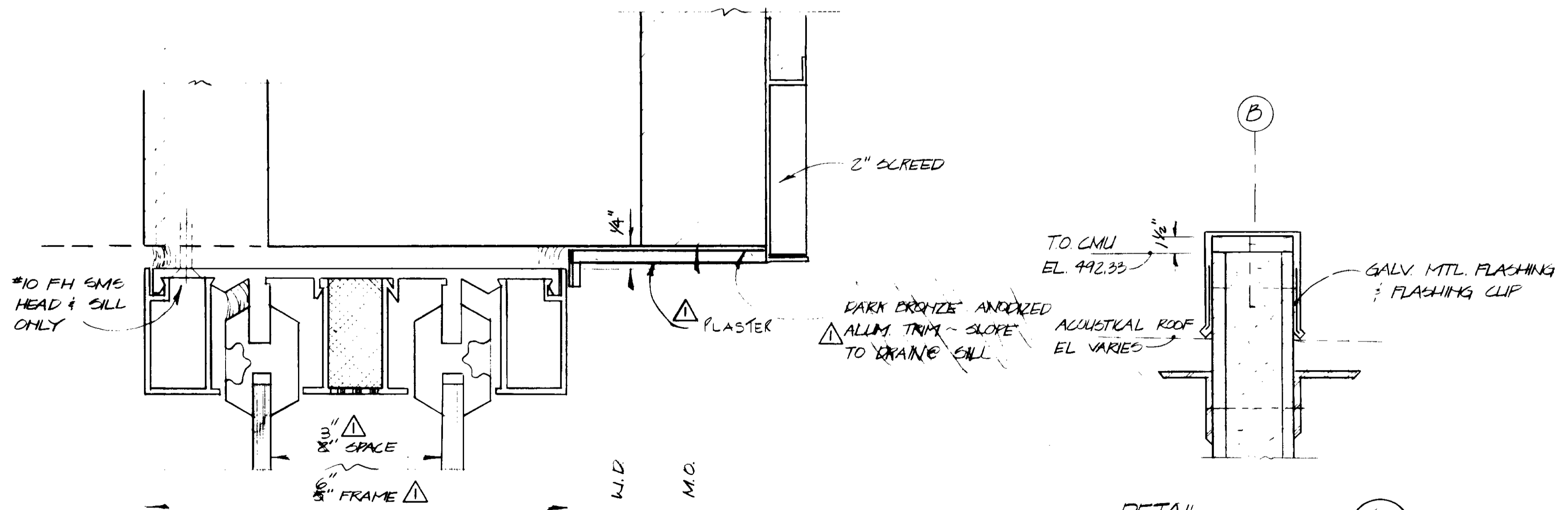
ELEVATION 2
1/8" = 1'-0"
EAST WALL
A5-5



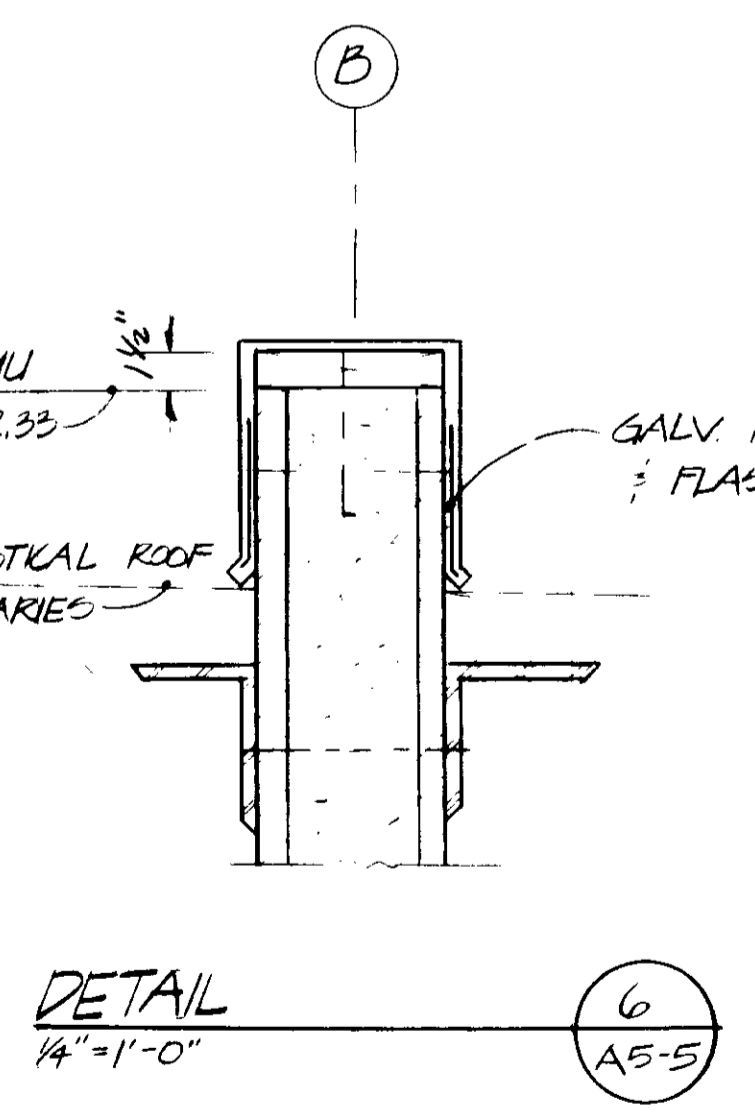
ELEVATION 3
1/8" = 1'-0"
NORTH WALL
A5-5



ELEVATION 4
1/8" = 1'-0"
WEST WALL
A5-5



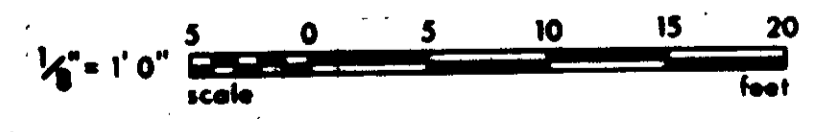
DETAIL 5
NOT TO SCALE
HEAD, JAMB, & SILL - ACOUSTICAL WINDOW
A5-5



DETAIL 6
1/4" = 1'-0"
A5-5

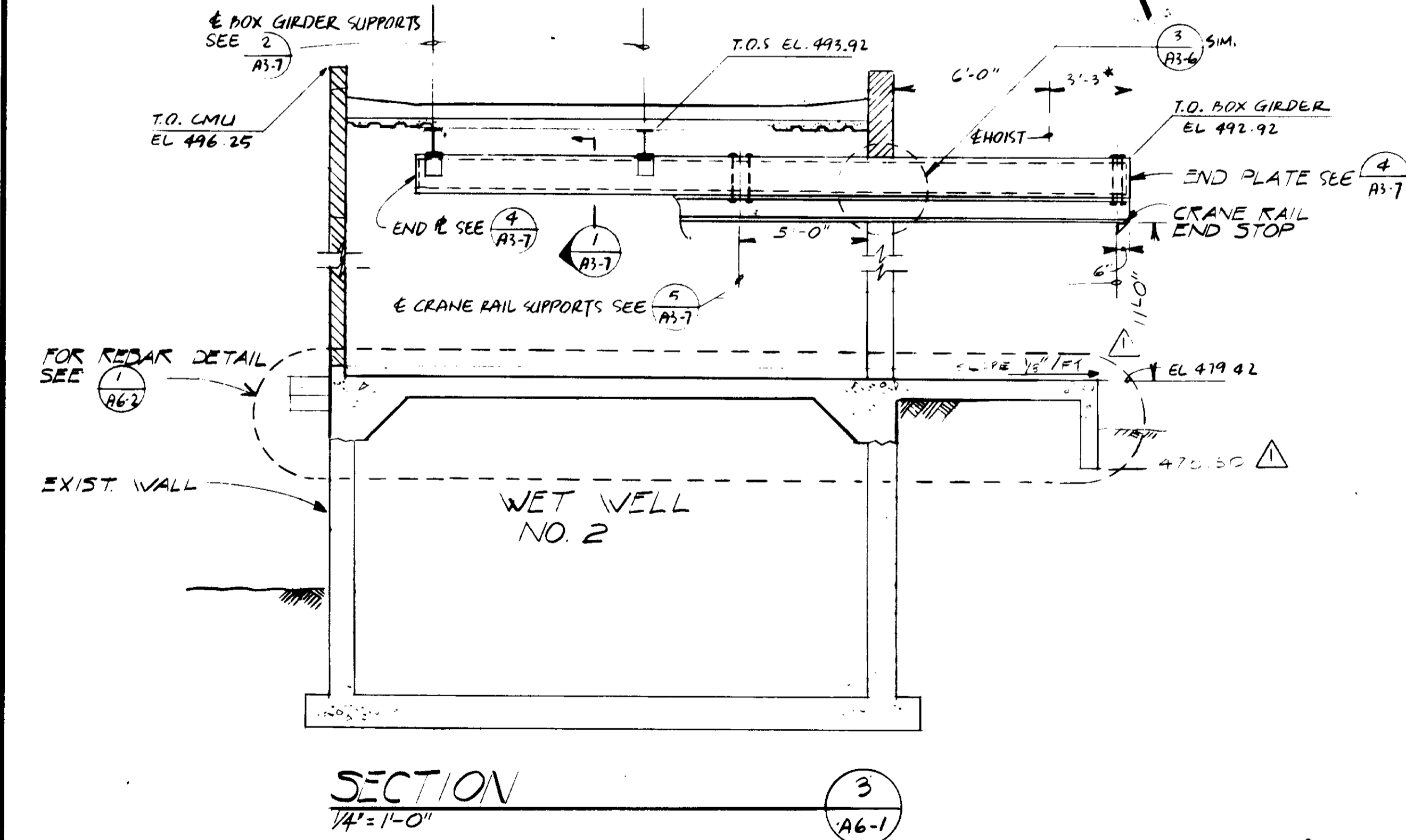
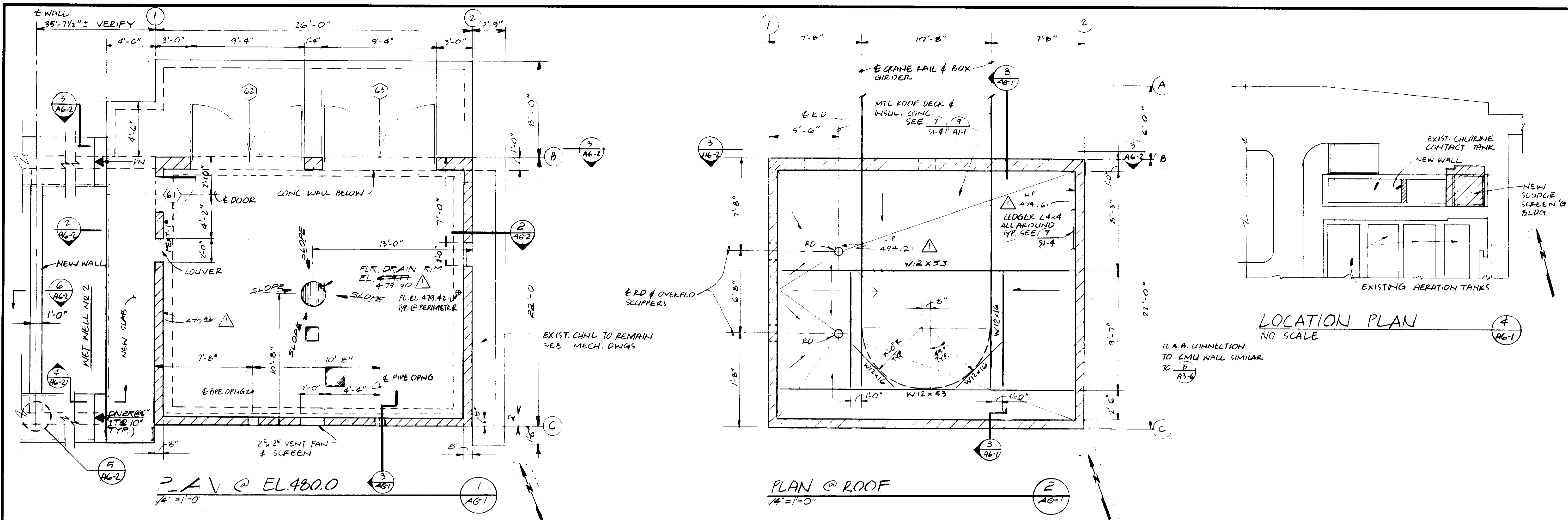
03162

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS
RCE 14038
March 1988



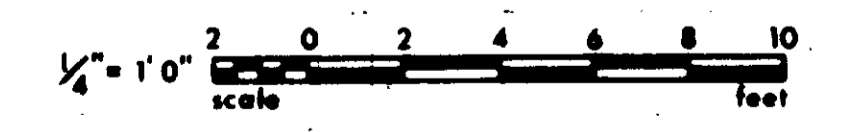
GRAPHIC SCALES
DRAWING MAY BE REDUCED IN REPRODUCTION.
SCALES SHOWN APPLY TO SHEETS AS DRAWN.

SCALE: AS SHOWN		DESIGNED: ALL	SUBMITTED: <i>[Signature]</i> 14038 11-5-79	 5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018 (213) 933-9117	LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.	SHEET A5-5	
DRAWN: ARP		CHECKED: [Signature]	PROJECT MANAGER: <i>[Signature]</i> 14038 11-5-79 PROJECT ADMINISTRATOR: [Signature] 14884 11-5-79				PROCESS AIR BUILDING ELEVATIONS & DETAILS
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION



- NOTES**
1. SEE NOTES ON DWG A3-1
 2. FOR GENERAL NOTES & TYPICAL DETAILS SEE S1 SERIES DWGS
 3. FOR TYPICAL ARCHITECTURAL DETAILS, NOTES & DOOR SCHEDULE SEE A1 SERIES
 4. SYMBOL '*' DENOTES DIMENSION TO BE VERIFIED WITH EQUIPMENT MFR.

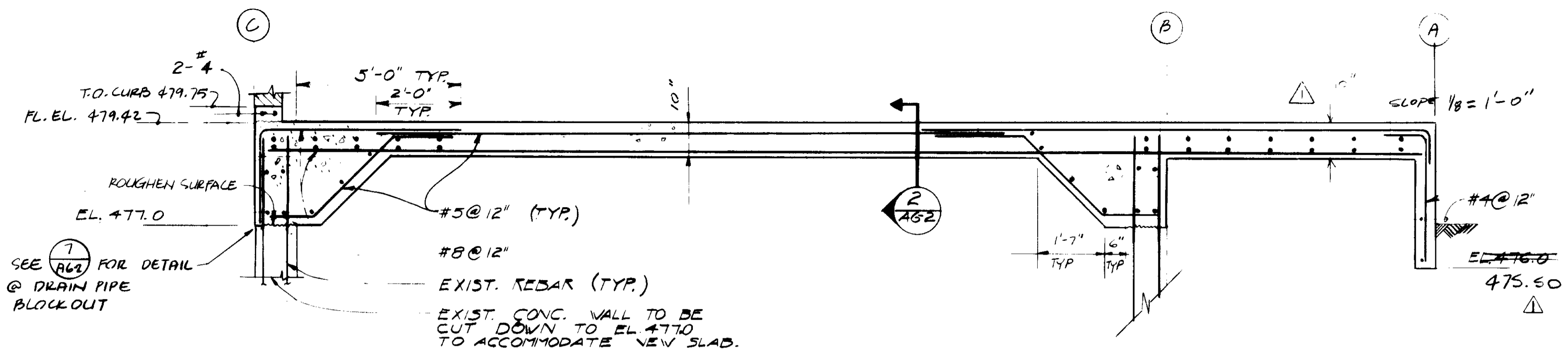
RECORD DRAWINGS
 Per Field Information Provided By Morley-Zlobarth & Alper
[Signature] RCE 14038
 KATSURA CONSULTING ENGINEERS March 1985



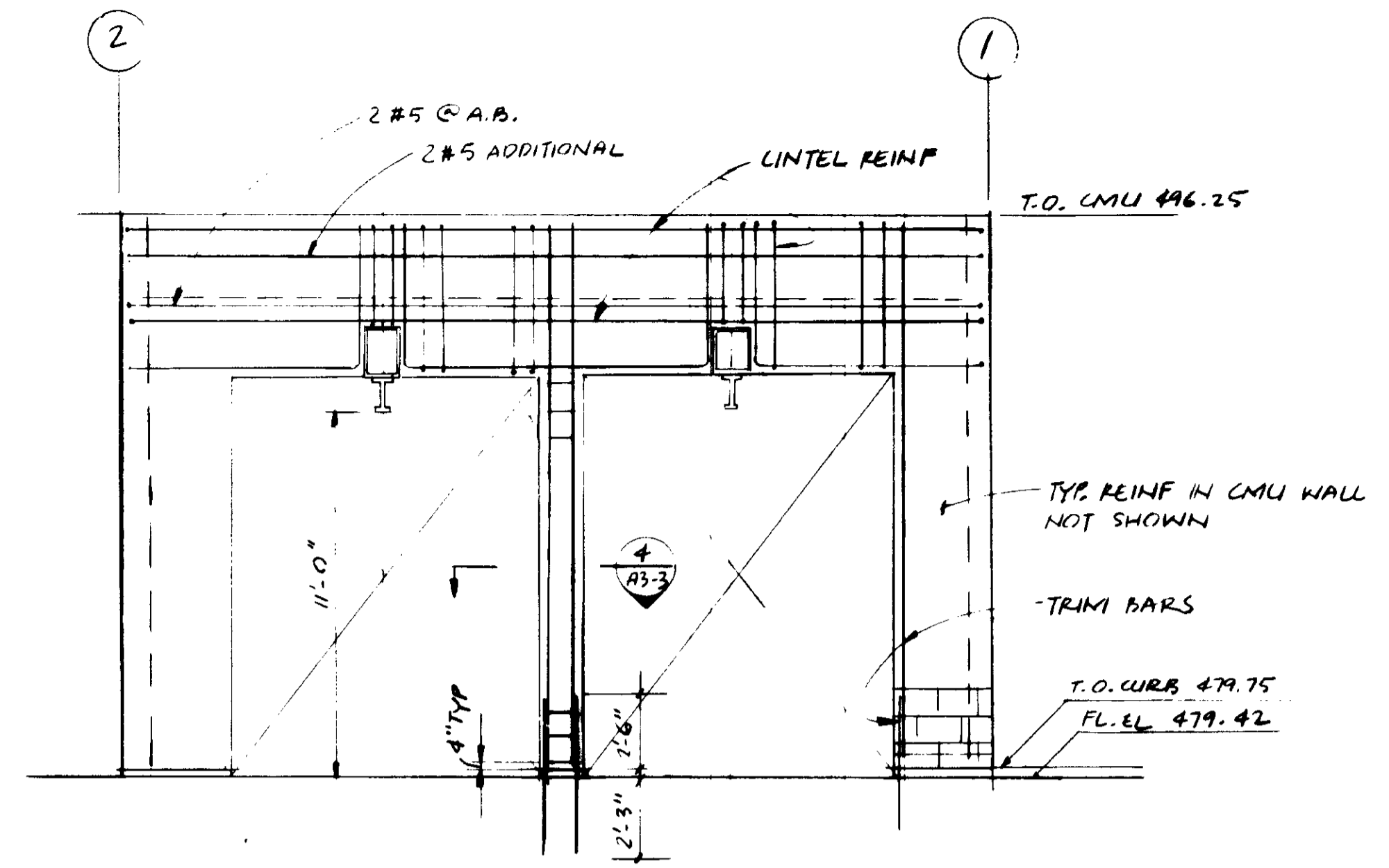
GRAPHIC SCALES
 DRAWING MAY BE REDUCED IN REPRODUCTION.
 SCALES SHOWN APPLY TO SHEETS AS DRAWN.

03163

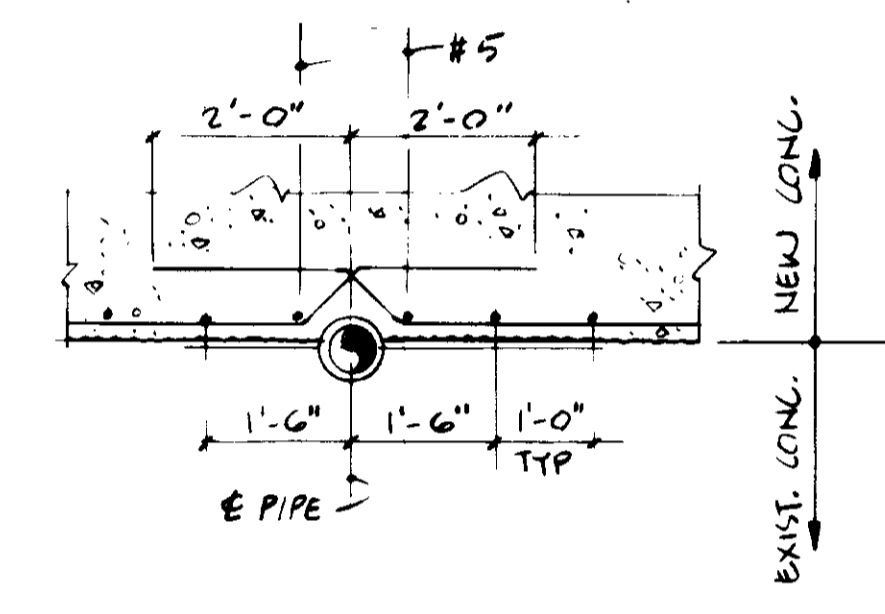
SCALE: AS SHOWN AS/RT DESIGNED: RC DRAWN: AKP CHECKED:		SUBMITTED: <i>[Signature]</i> 14038 11-5-79 PROJECT MANAGER: R.C.E. NO. DATE PROJECT ADMINISTRATOR: <i>[Signature]</i> 14884 11-5-79 R.C.E. NO. DATE		JKE CONSULTING ENGINEERS A JOINT VENTURE 5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 933-9117		LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. SLUDGE SCREENING BUILDING - ROOF & FLOOR PLANS		SHEET A 6-1
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION	



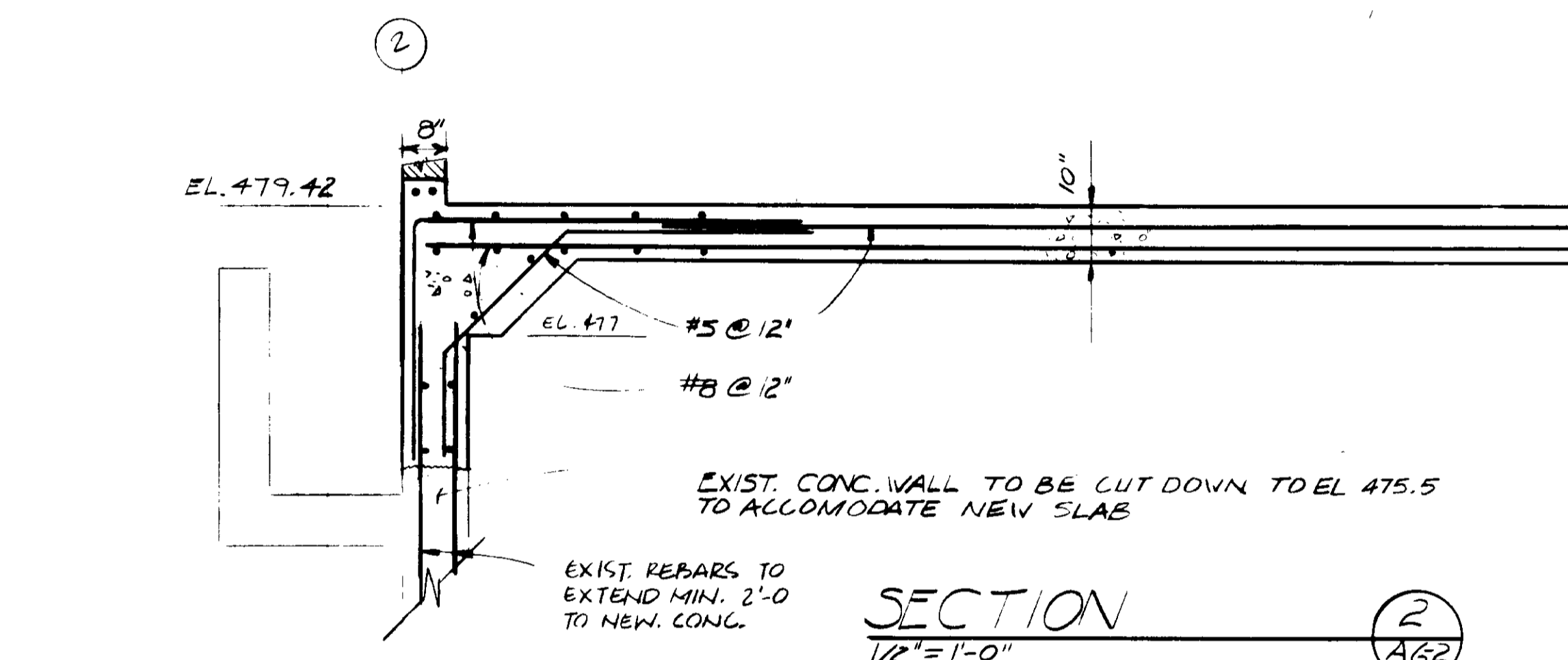
SECTION
1/2" = 1'-0"
1 AG-2



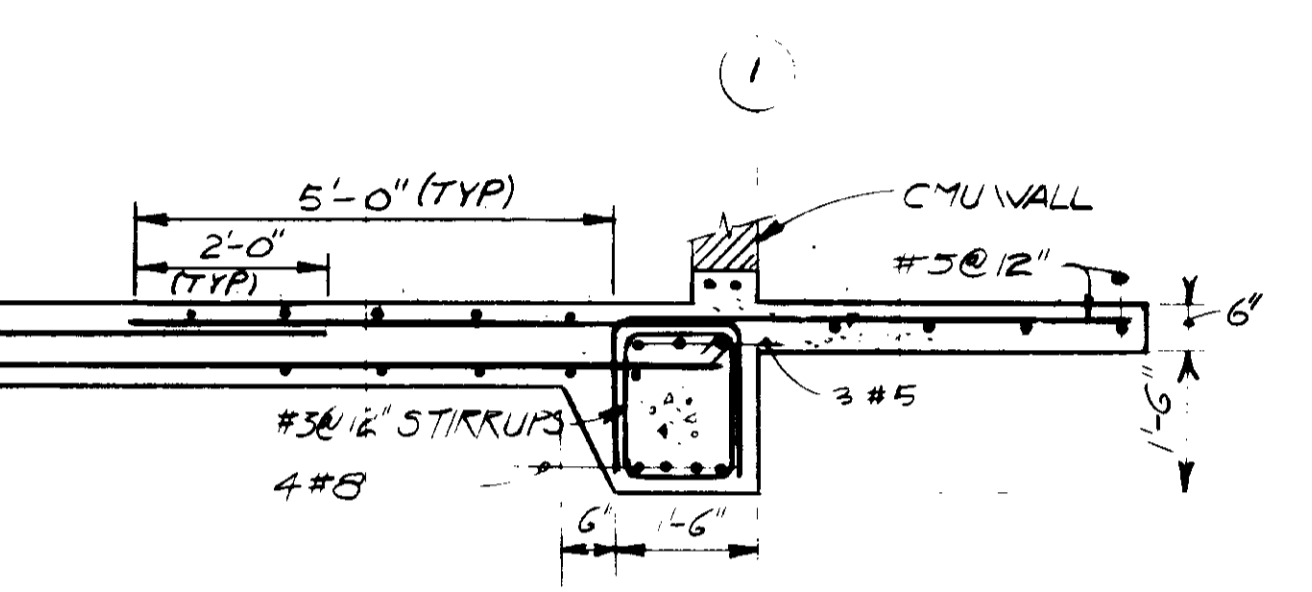
STRUCTURAL ELEVATION
1/4" = 1'-0"
NORTH WALL
3 AG-2



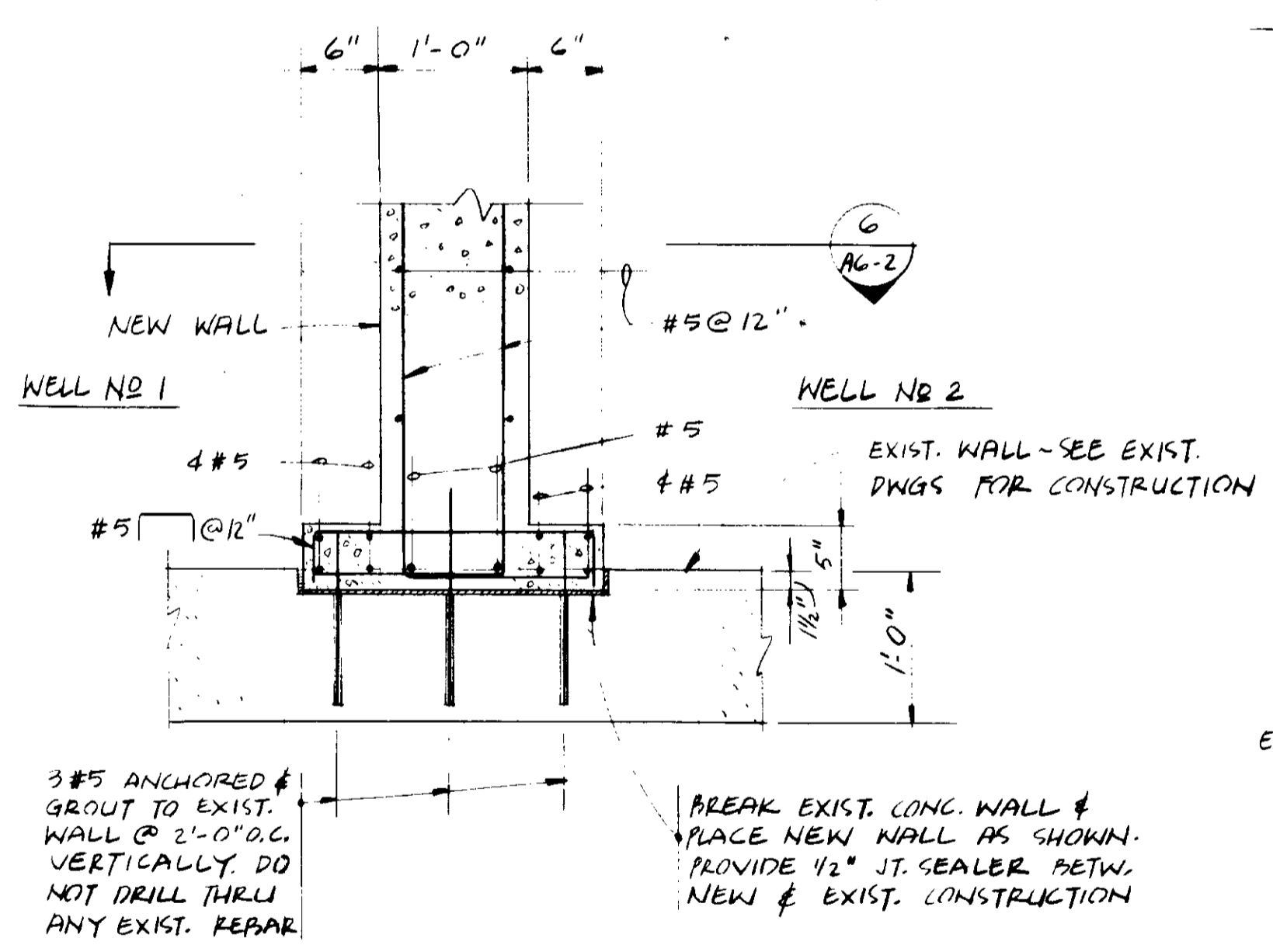
DETAIL
1/2" = 1'-0"
7 AG-2



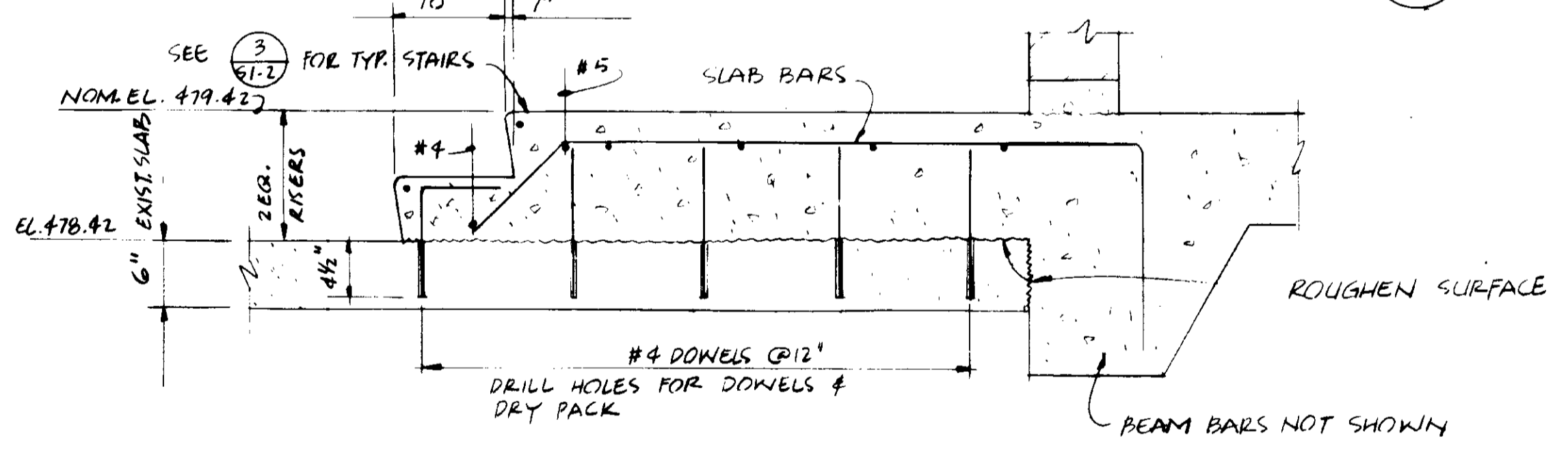
SECTION
1/2" = 1'-0"
2 AG-2



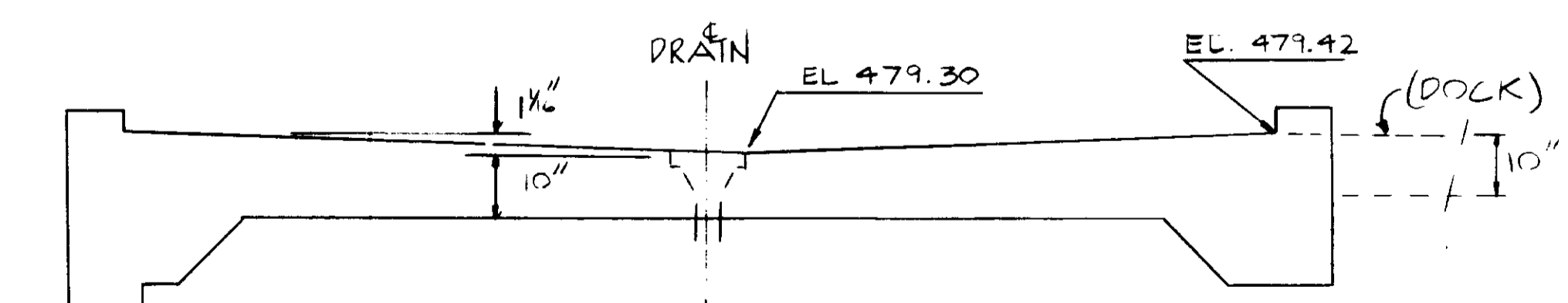
6 AG-2



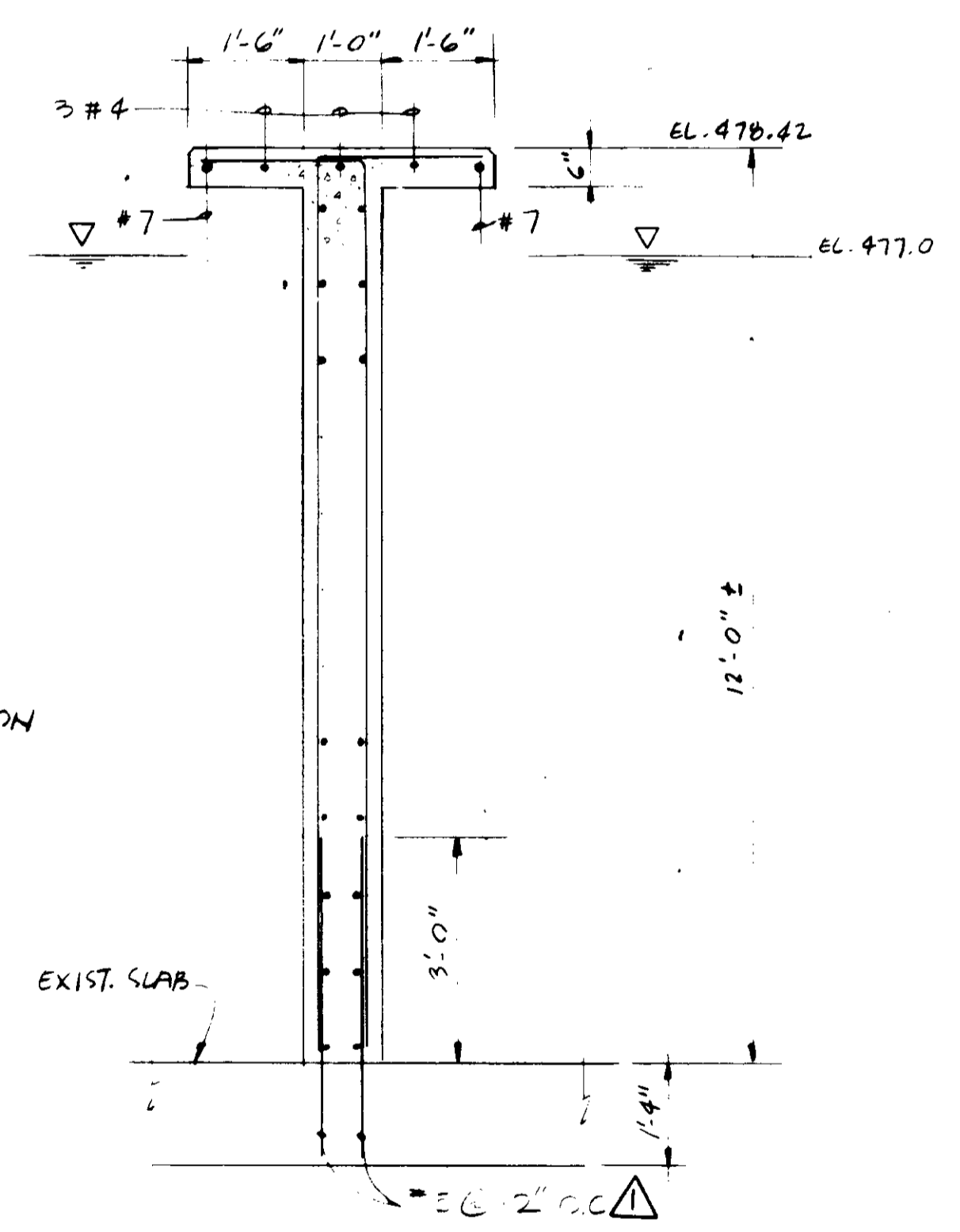
5 AG-2



SECTION
1" = 1'-0"
EXTERIOR STAIRS (NORTH STAIRS SIMILAR)
4 AG-2



TYP FLOOR SLAB SECTION
N.T.S

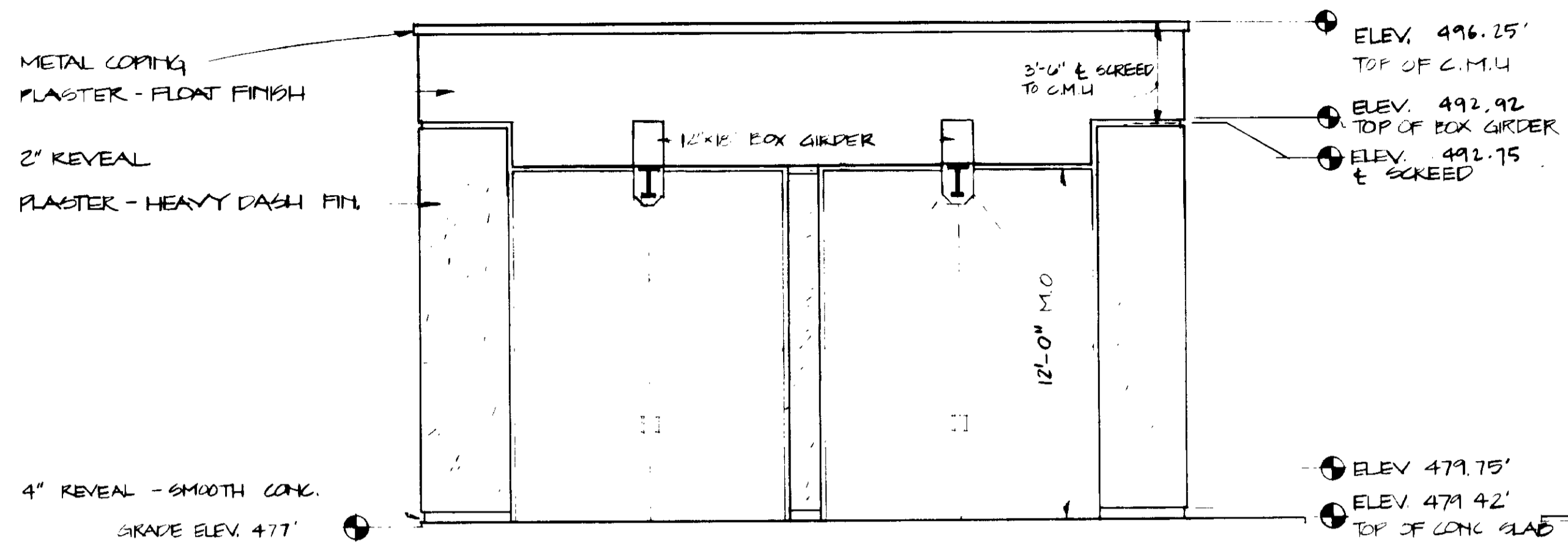


SECTION
1" = 1'-0"
6 AG-2

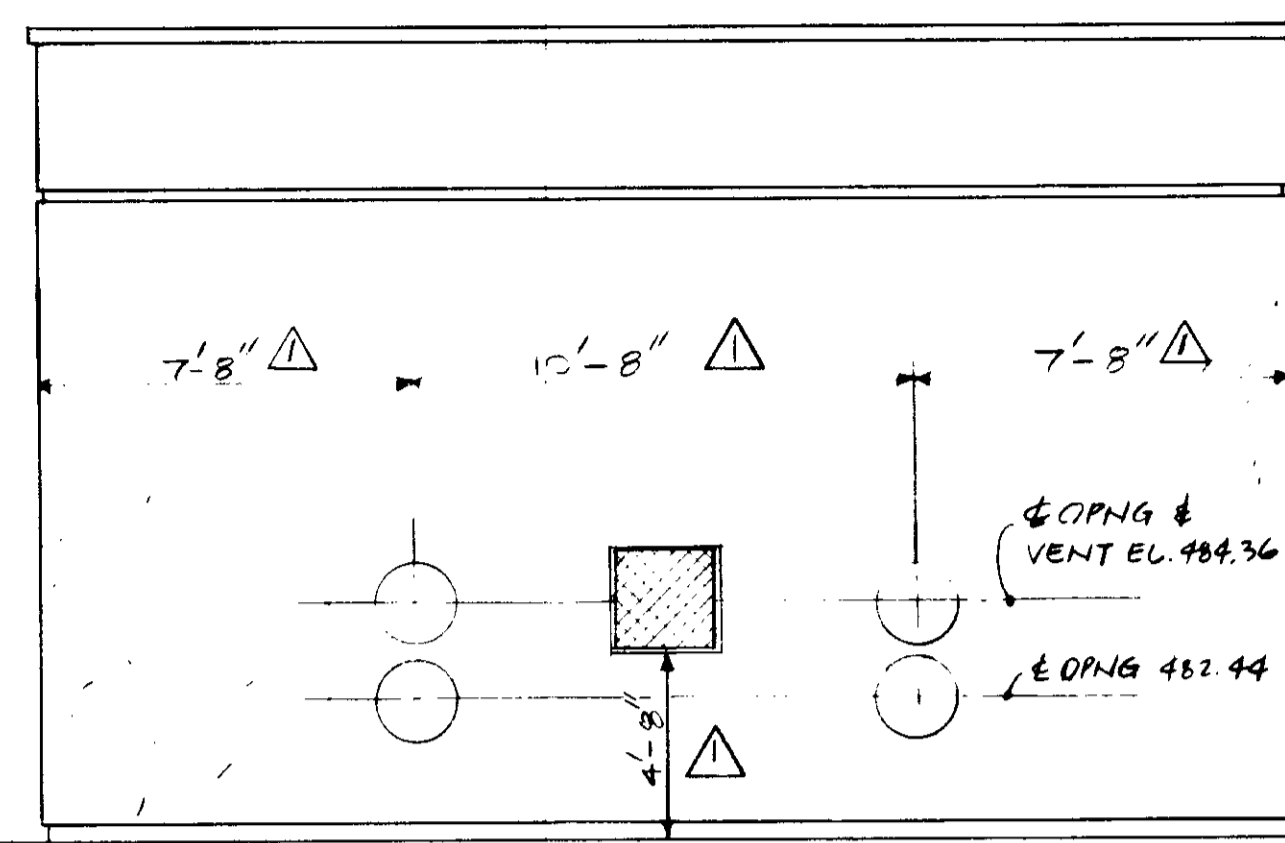
RECORD DRAWINGS
Per Field Information Provided By Marley-Ziebarth & Alper
John Valenzuela
RCE 14088
KATSURA CONSULTING ENGINEERS March 1988

03164

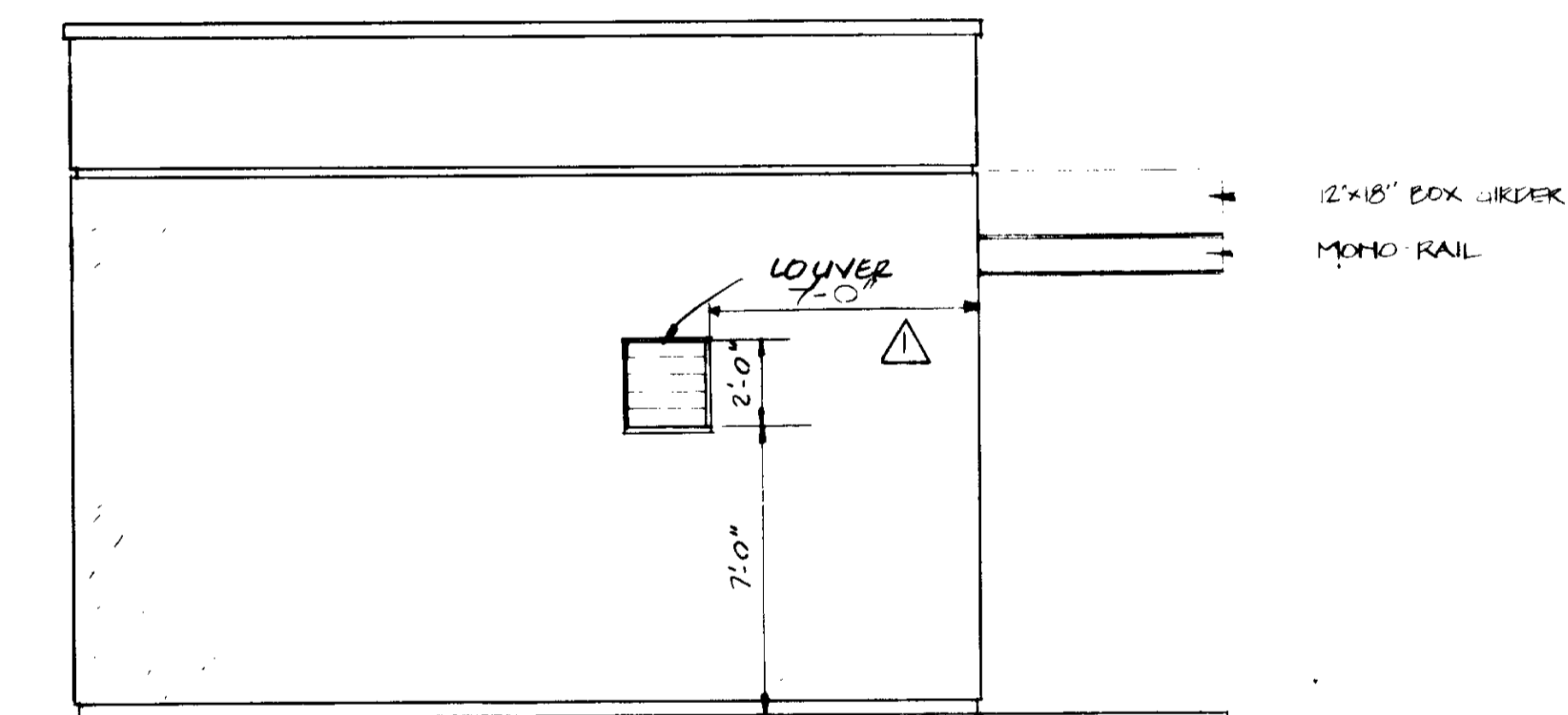
SCALE: AS SHOWN		DESIGNED: ASILT	PROJECT MANAGER: <i>John Valenzuela</i> 14038 11-5-79	CONSULTING ENGINEERS A JOINT VENTURE 5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018 (213) 933-9117	LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.	SHEET A6-2	
DRAWN: ARP		PROJECT ADMINISTRATOR: <i>John Valenzuela</i> 14894 11-5-79	SLUDGE SCREENING BUILDING - SECTIONS & ELEVATIONS				
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION



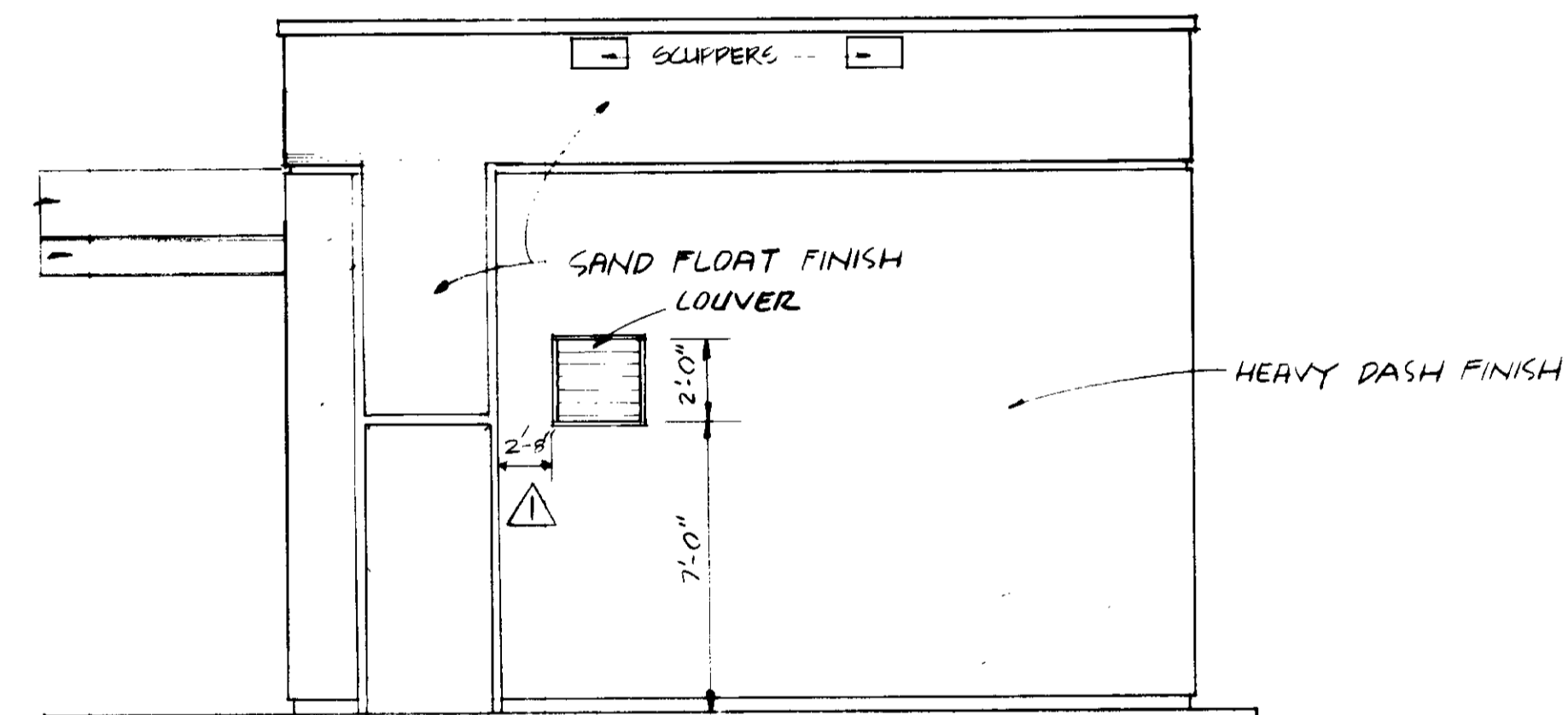
ELEVATION
 1/4" = 1'-0"
 NORTH WALL - SLUDGE SCREENING BLDG. (1) A6-3



ELEVATION
 1/4" = 1'-0"
 SOUTH WALL - SLUDGE SCREENING BLDG. (2) A6-3



ELEVATION
 1/4" = 1'-0"
 EAST WALL - SLUDGE SCREENING BLDG. (3) A6-3



ELEVATION
 1/4" = 1'-0"
 WEST WALL - SLUDGE SCREENING BLDG. (4) A6-3

NOTES:

- 1) SEE A1 SERIES DWGS FOR TYP ARCH. DTLS, DOOR & FINISH SCHEDULES
- 2) DIMENSIONS SHOWN ON PLANS ARE NOMINAL FACE OF STRUCTURE DIMENSIONS.
- 3) SEE 'M' SERIES DWGS FOR OTHER PIPE OPNGS NOT SHOWN

03165

RECORD DRAWINGS

Per Field Information Provided By Merley-Ziebarth & Alper
[Signature]
 RCE 14038
 KATSURA CONSULTING ENGINEERS March 1986

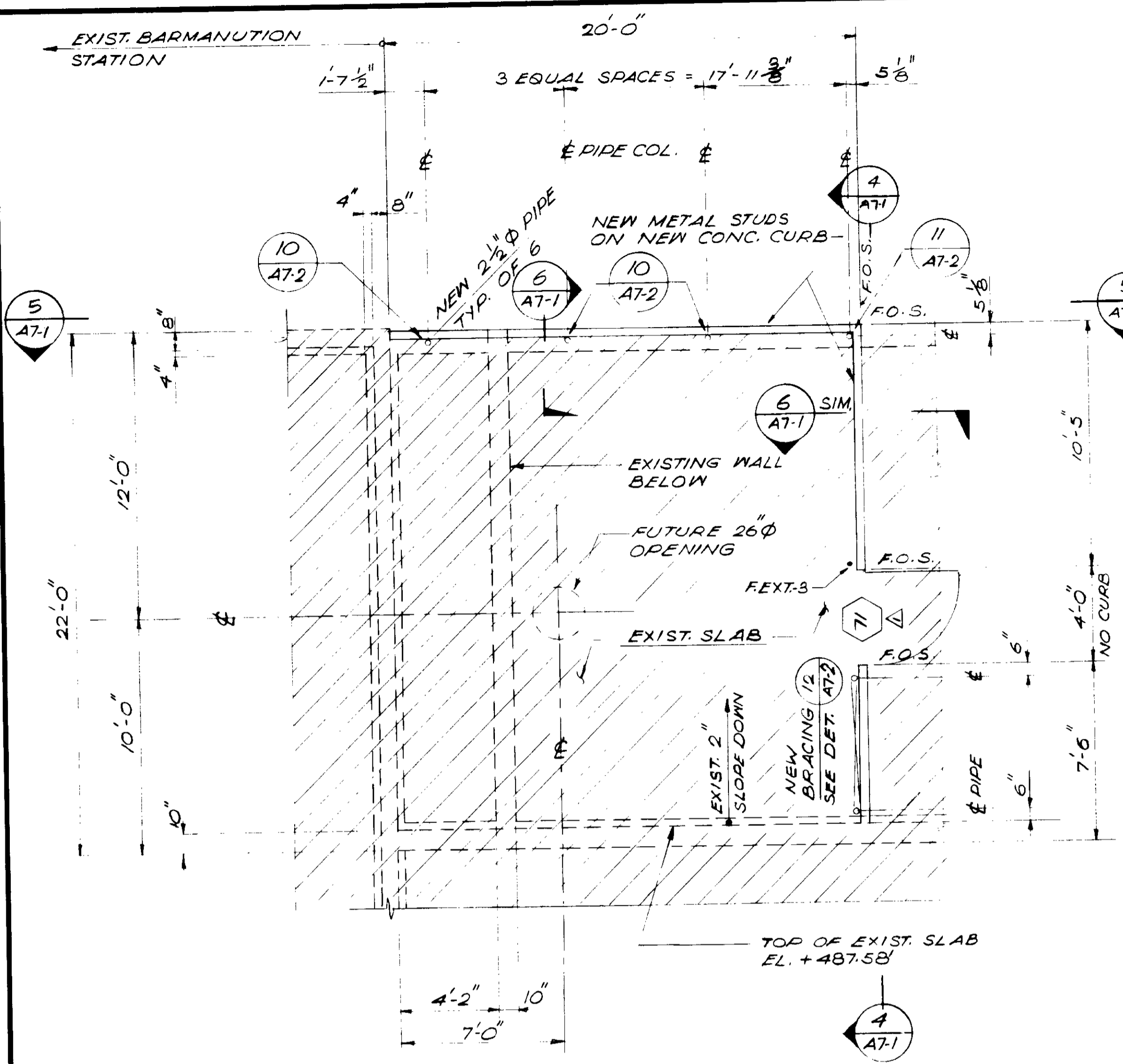
REV	DATE	BY	DESCRIPTION

SCALE : 1/4" = 1'-0"	ACC DESIGNED SH DRAWN APP CHECKED	SUBMITTED <i>[Signature]</i> PROJECT MANAGER 14038 11-5-79 R.C.E. NO. DATE	PROJECT ADMINISTRATOR <i>[Signature]</i> 14894 11-5-79 R.C.E. NO. DATE
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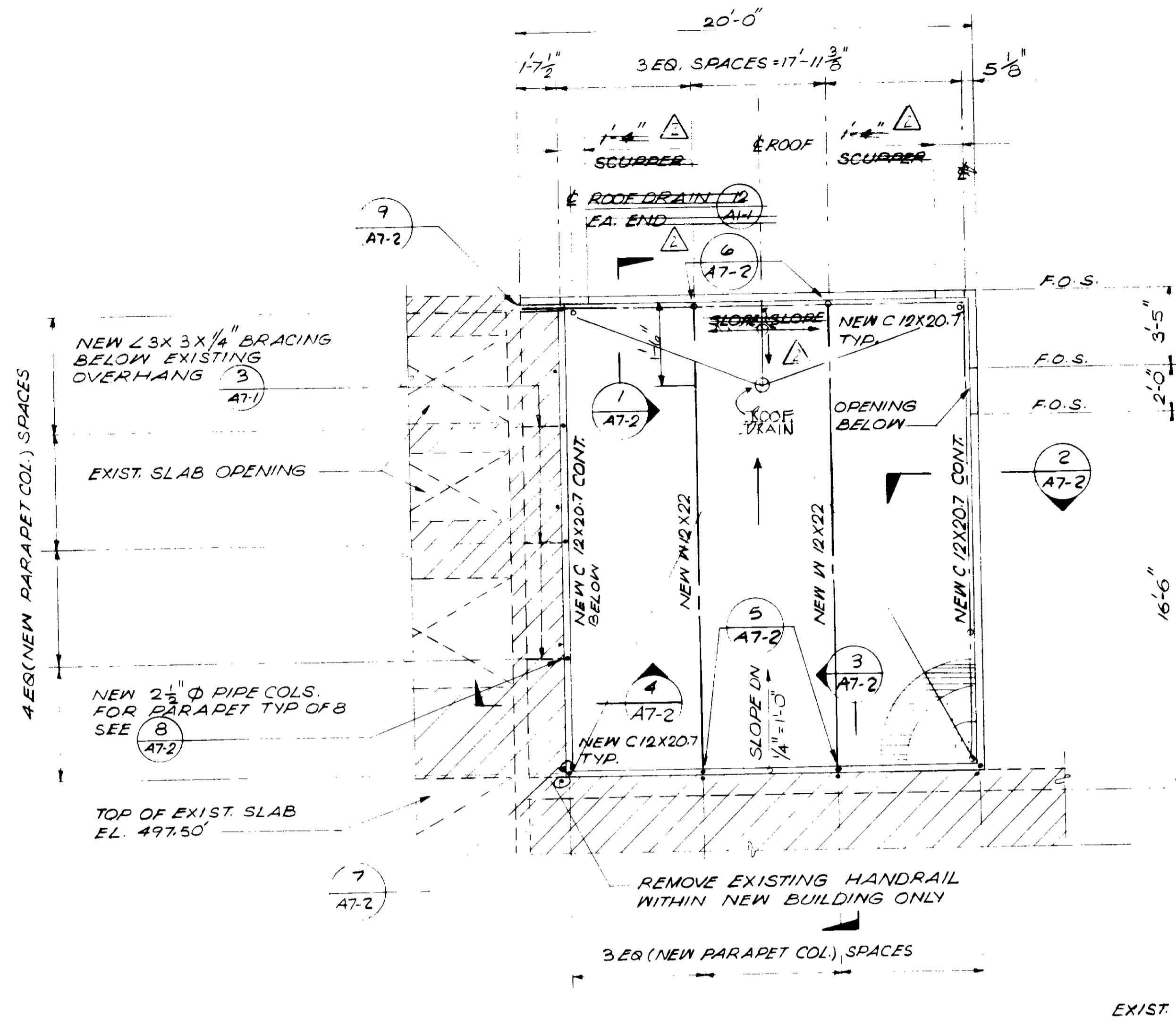
JKC CONSULTING ENGINEERS
 A JOINT VENTURE
 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
 SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 SLUDGE SCREENING BUILDING - SECTIONS & DETAILS

SHEET
 A6-3

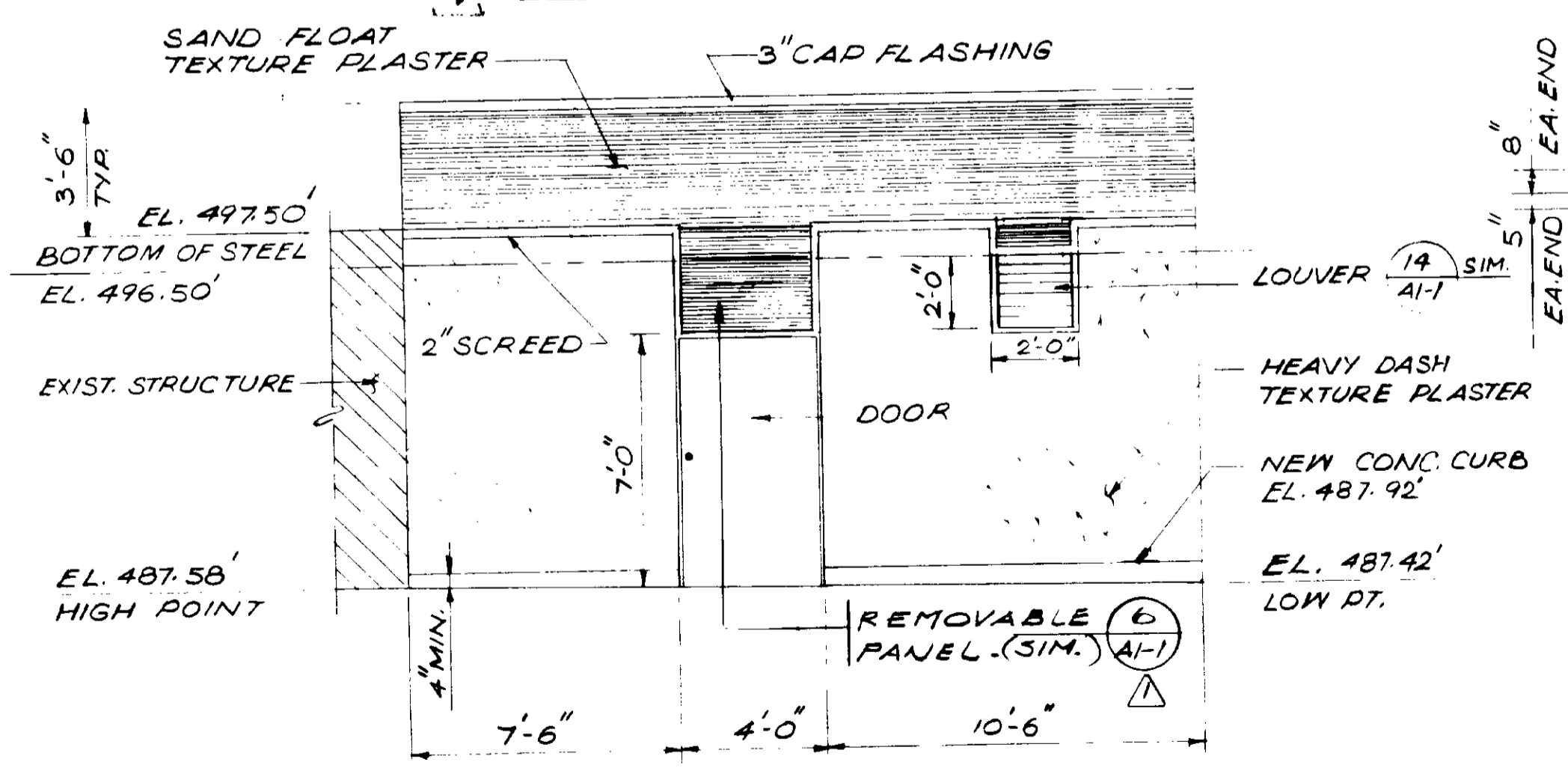


PLAN
 1/4" = 1'-0"
 TOP OF EXIST. SLAB ELEVATION 487.58 (HIGH POINT)

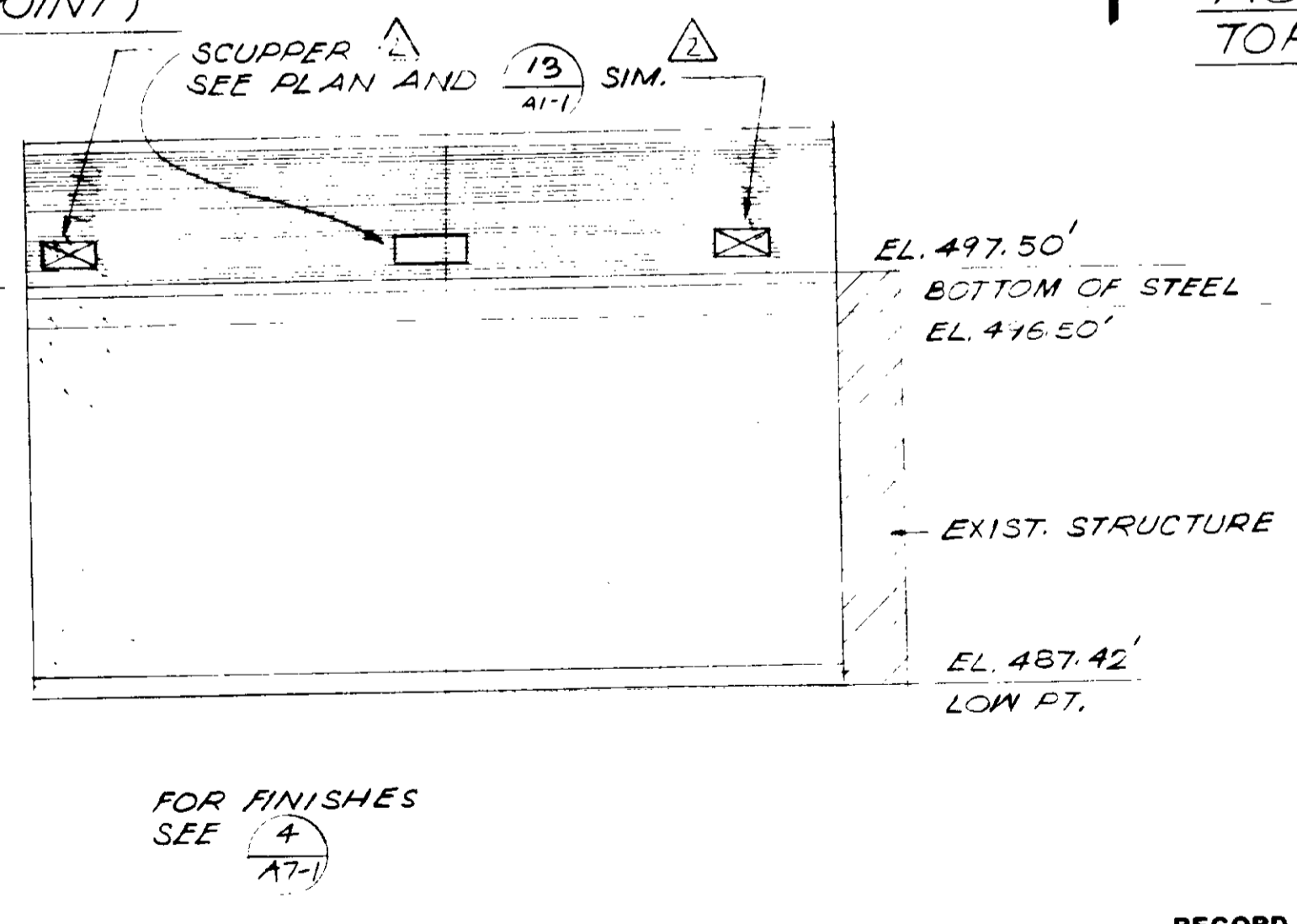


PLAN
 1/4" = 1'-0"
 ROOF FRAMING
 TOP OF NEW STEEL EL. 497.50

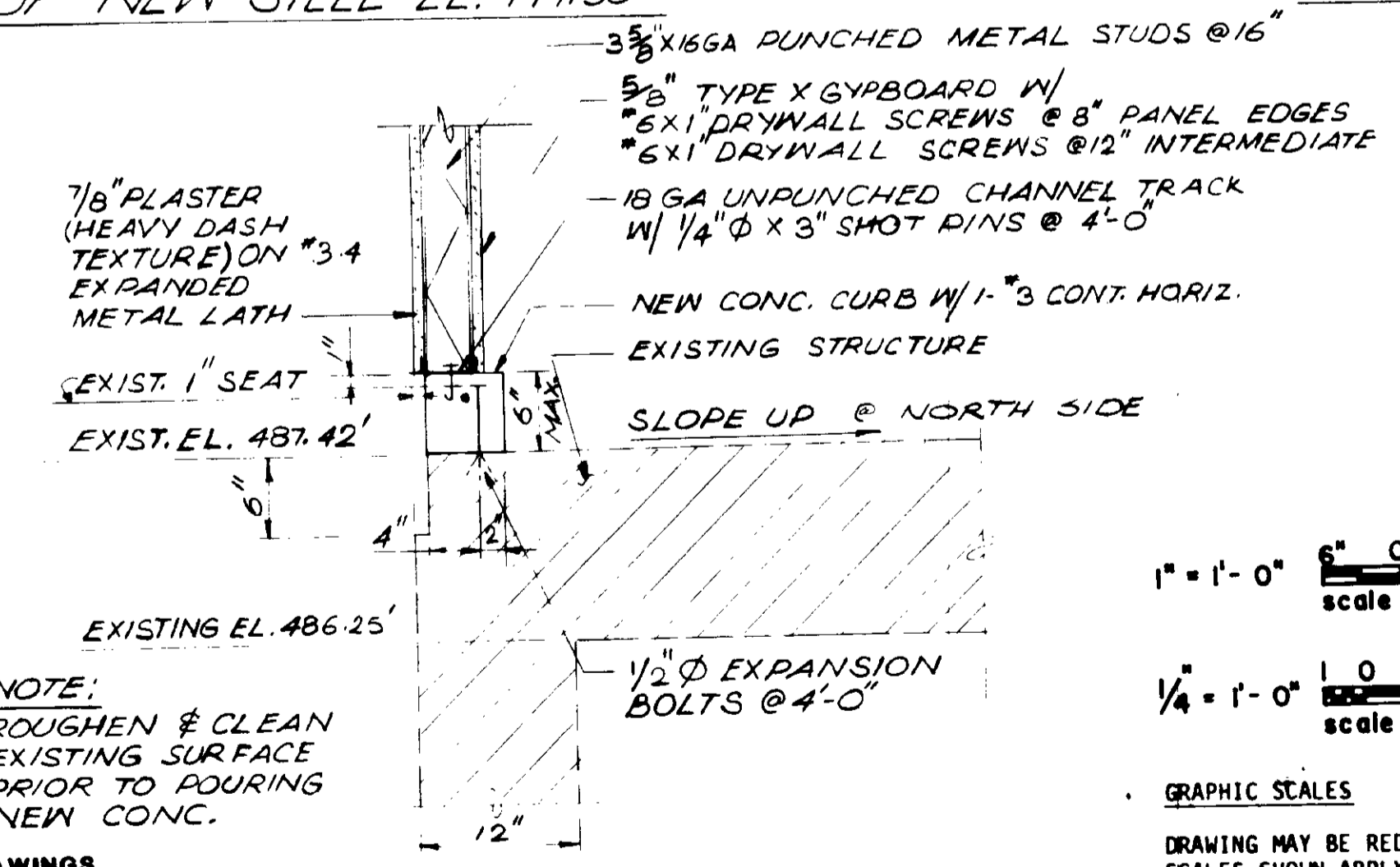
- NOTES:**
1. FOR "EXISTING STRUCTURE" DRAWINGS REFER TO SHEETS S7 THRU S15 OF PHASE II EXPANSION BY BOYLE ENGINEERING (DEC. 69)
 2. DESIGNATION "SLOPE" REFERS TO A DOWNWARD SLOPE UNLESS NOTED OTHERWISE.
 3. FOR METAL ROOF DECK SIZE AND WELDING SEE METAL DECK NOTES ON SHEET S1-1.
 4. PROVIDE 2" LT. WEIGHT CONCRETE FILL MINIMUM ABOVE TOP OF DECK CORRUGATION.
 5. FOR TYPICAL ARCHITECTURAL NOTES AND DETAILS SEE "A1" SERIES DRAWINGS.
 6. VERIFY EXISTING FIELD CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.
 7. FRAMING SHOWN ON THIS PLAN ARE OF STRUCTURAL STEEL UNLESS NOTED OTHERWISE.



EAST ELEVATION
 1/4" = 1'-0"

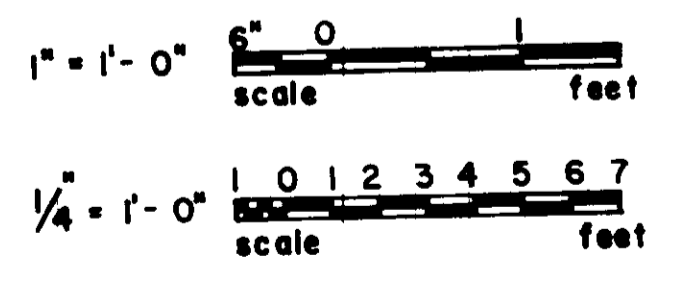


NORTH ELEVATION
 1/4" = 1'-0"



SECTION
 1" = 1'-0"

DETAIL
 3/16" = 1'-0"
 PLAN

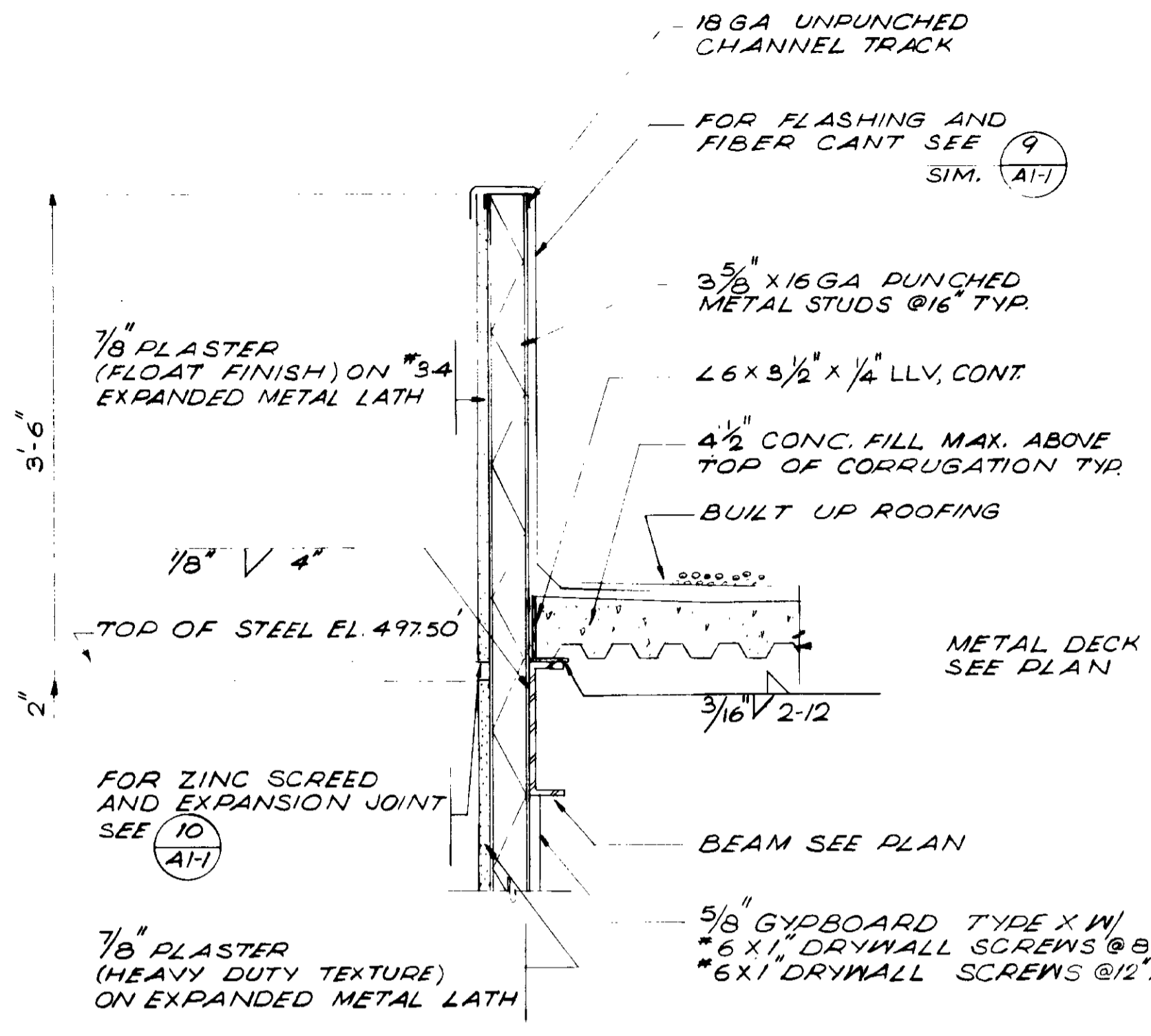


GRAPHIC SCALES
 DRAWING MAY BE REDUCED IN REPRODUCTION. SCALES SHOWN APPLY TO SHEETS AS DRAWN.

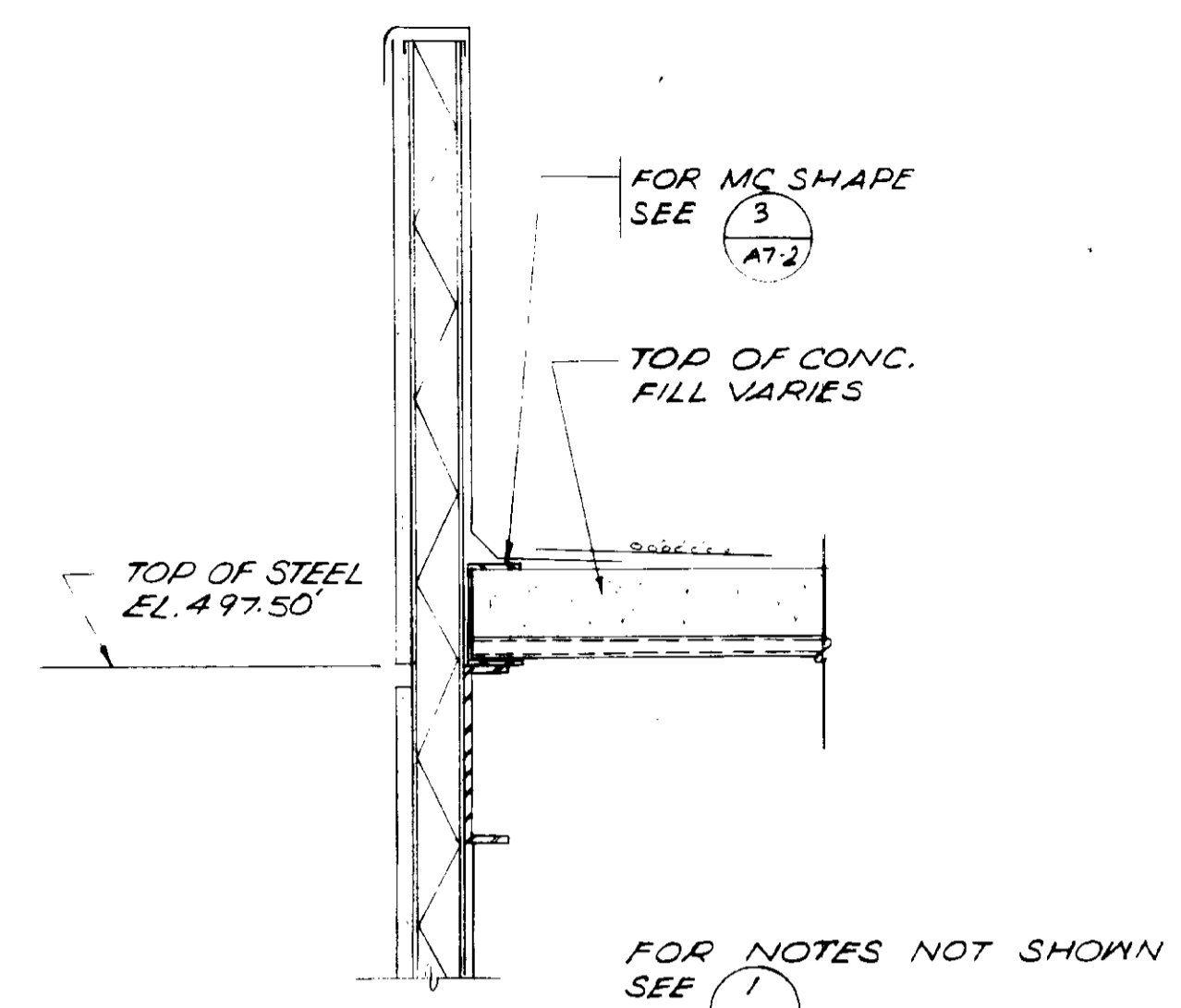
RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alper
 RCE 14038
 March 1985

03166

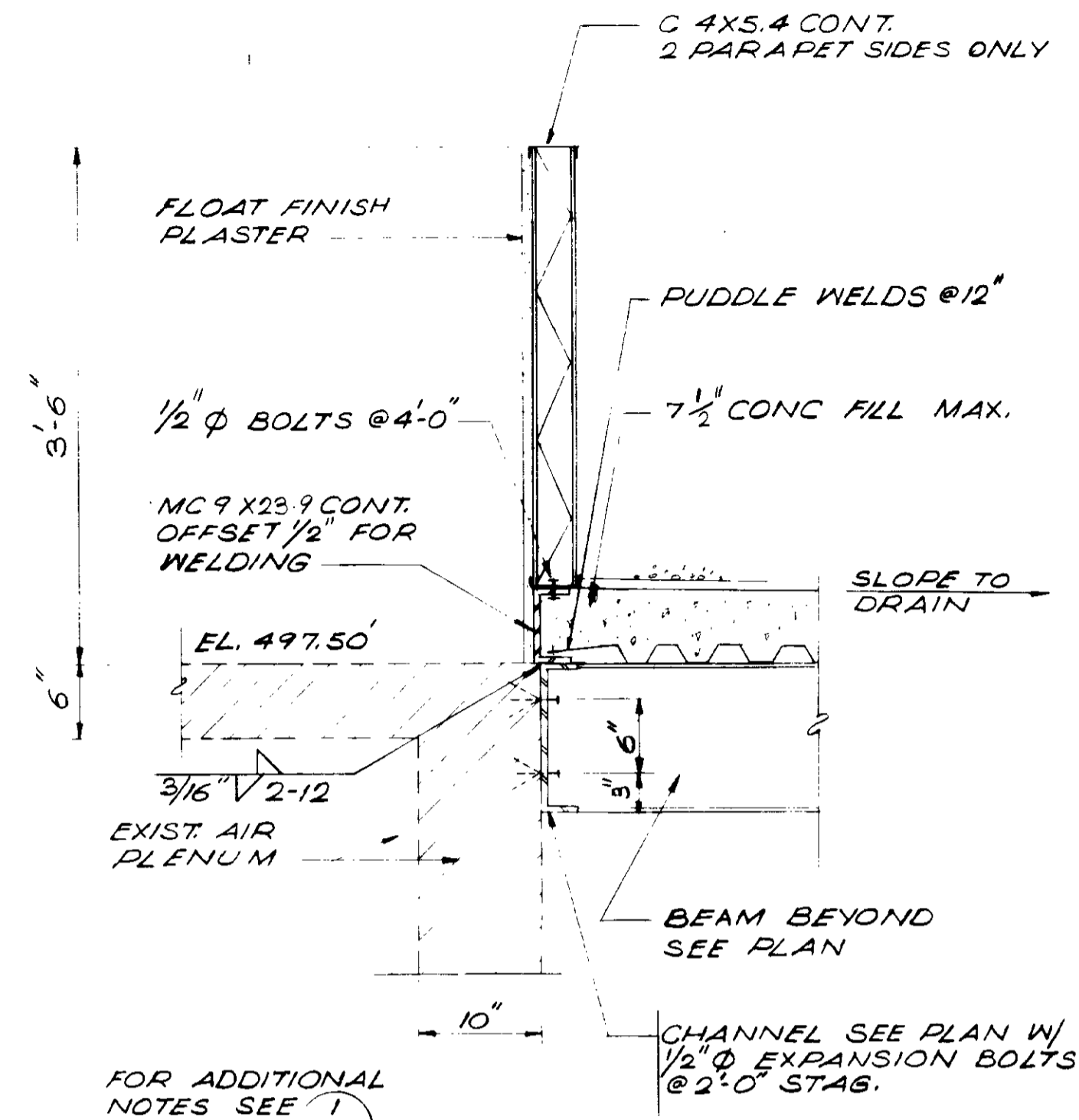
DESIGNED: M. KRÄKOWER DRAWN: R.R. - R.L. CHECKED:		SUBMITTED: J. V. [Signature] PROJECT MANAGER: R.C.E. NO. 14038 DATE: 8/15/79		JKS CONSULTING ENGINEERS A JOINT VENTURE 5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 933-9117		LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. CONTROL ROOM FOR EXISTING PROCESS AIR COMPRESSOR PLANS, ELEVATIONS & SECTION		SHEET A7-1
REV. DATE BY DESCRIPTION 5/31/84 JTW REV. AS PER MZA & JCE 7-3-79 MK DOOR SCHEDULE, 2-A7-2	SCALE:	PROJECT ADMINISTRATOR: R.C.E. NO. 14894 DATE: 8/15/79						



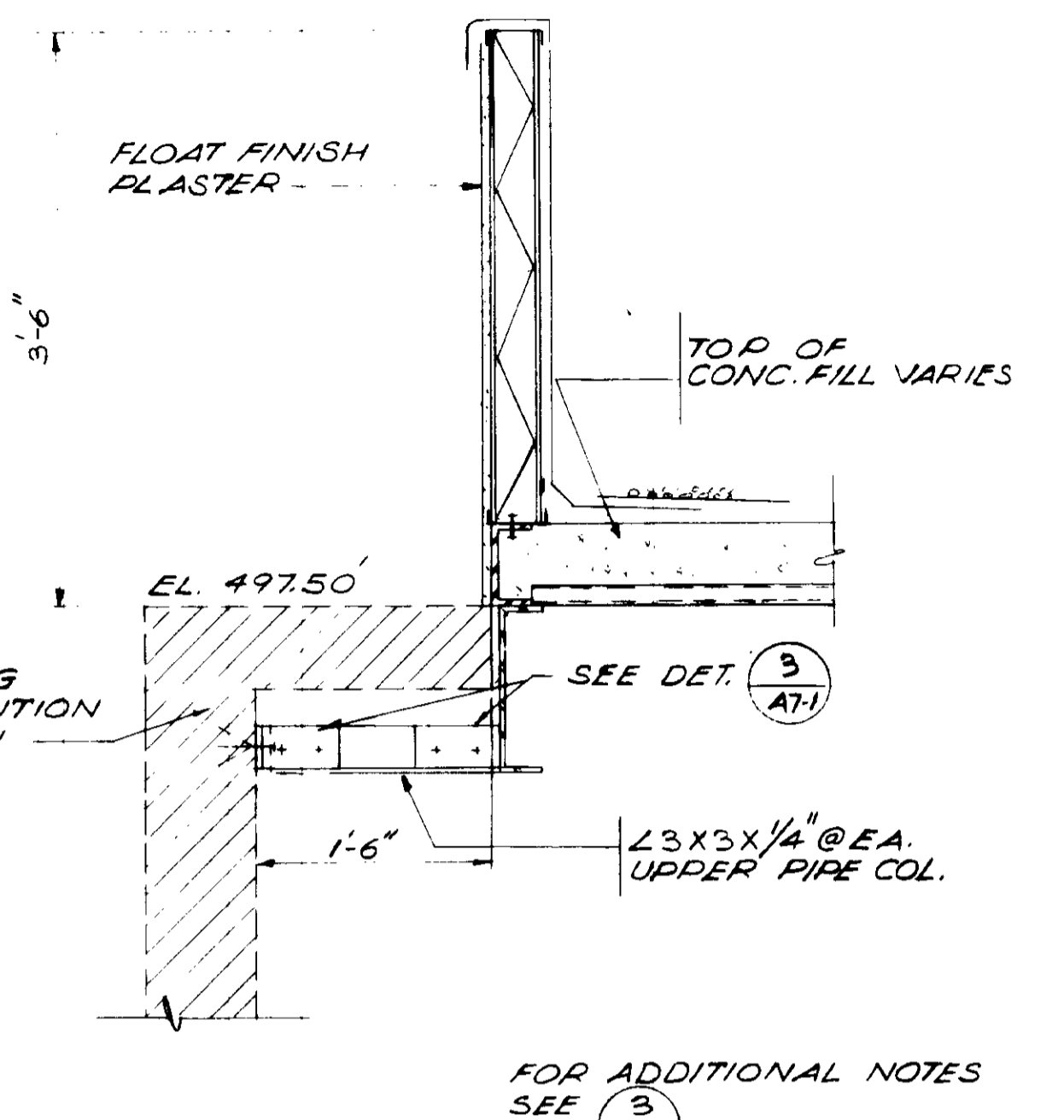
SECTION 1
1"=1'-0" A7-2



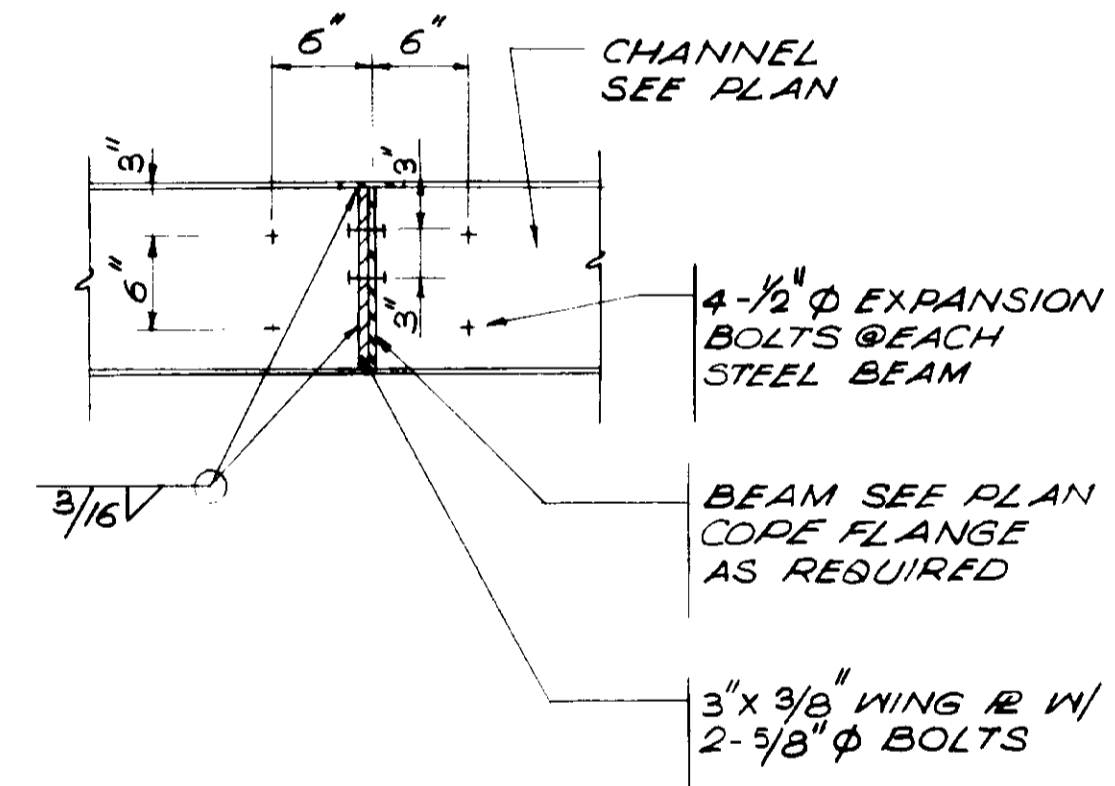
SECTION 2
1"=1'-0" A7-2



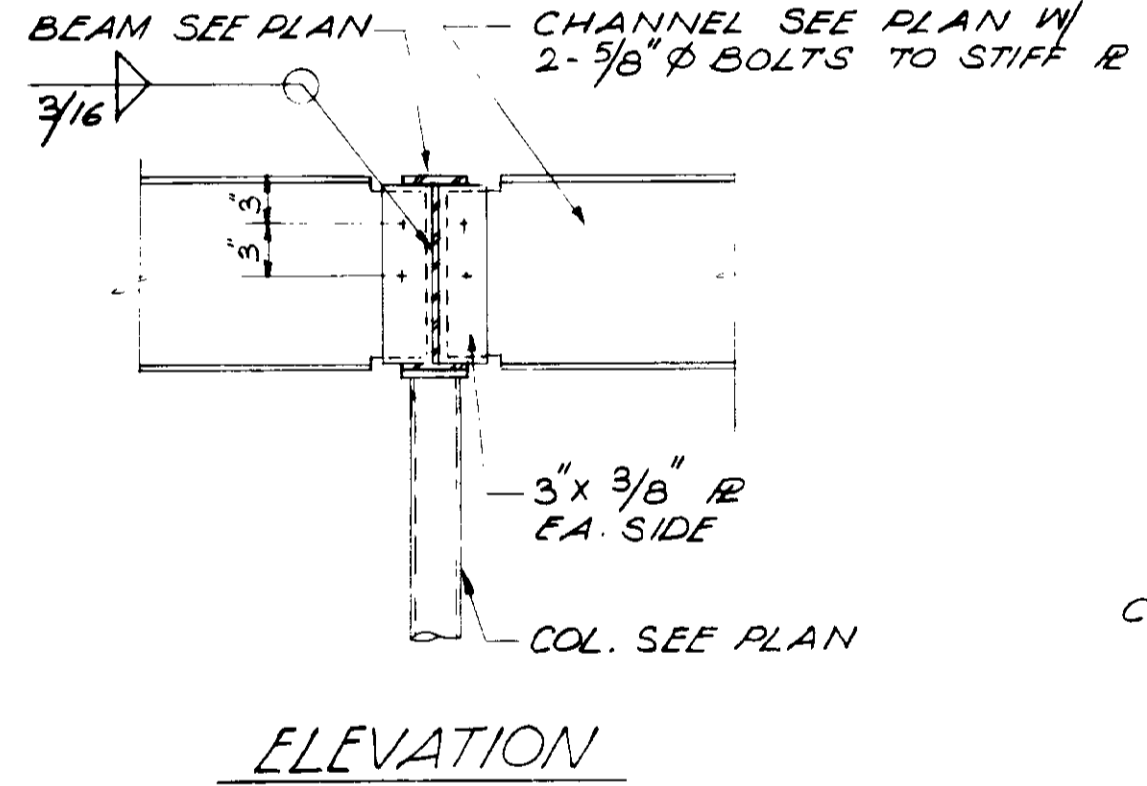
SECTION 3
1"=1'-0" A7-2



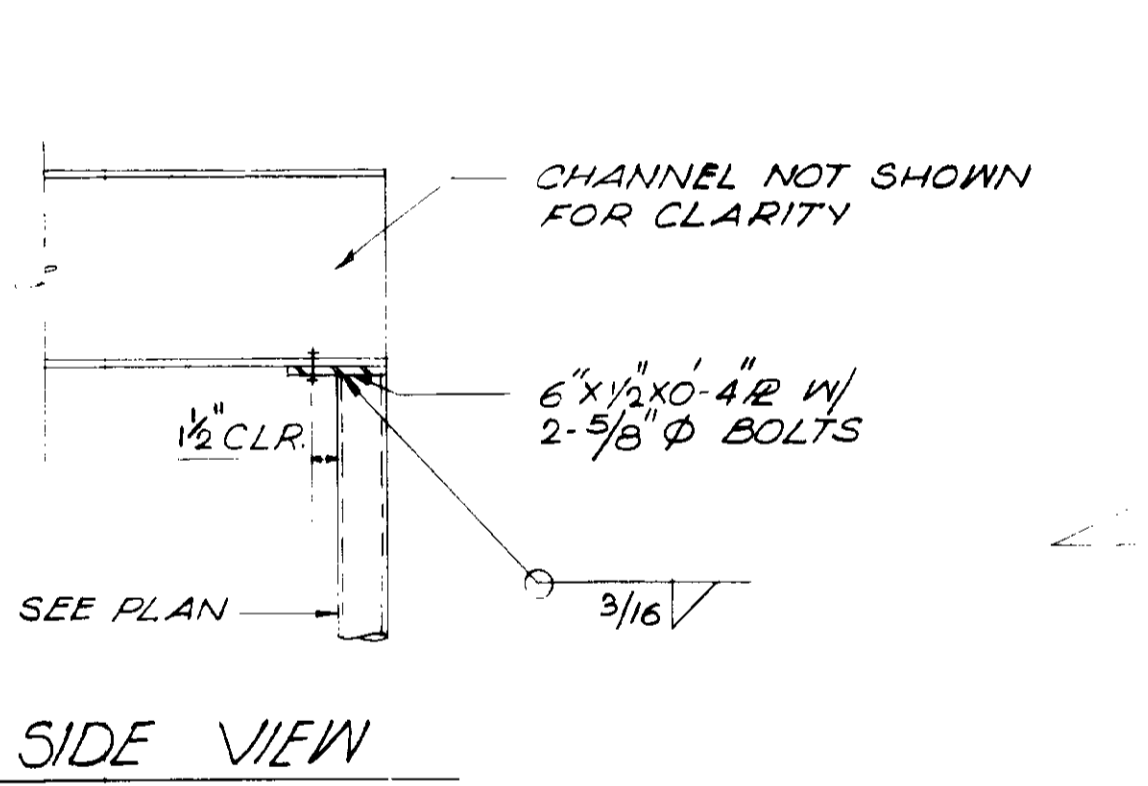
SECTION 4
1"=1'-0" A7-2



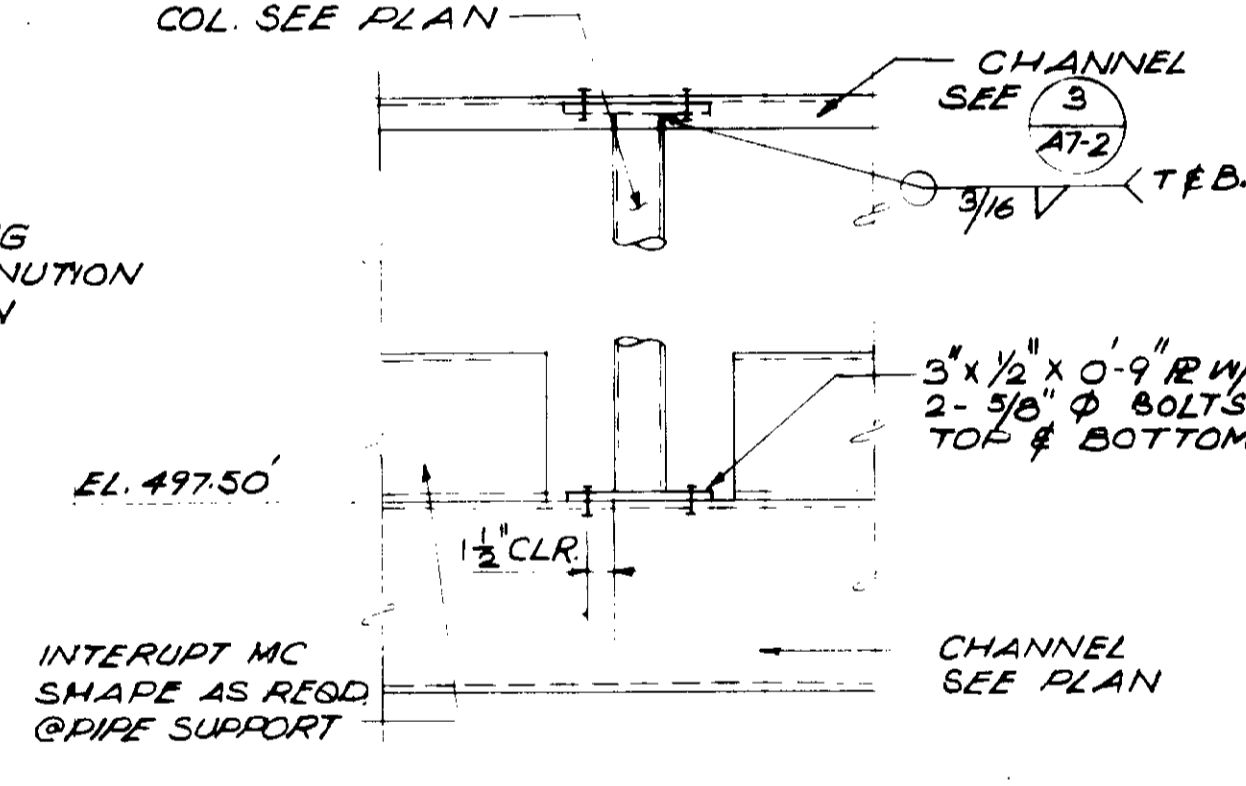
DETAIL 5
1"=1'-0" A7-2



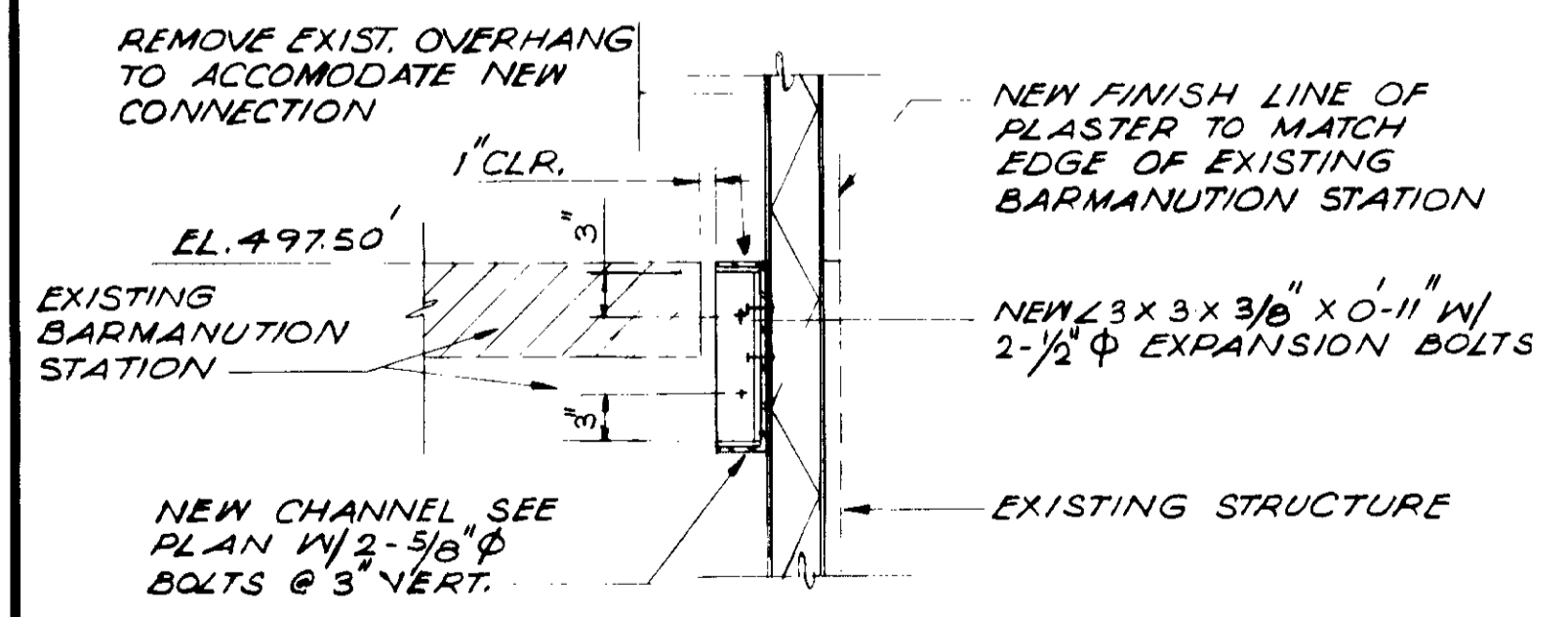
DETAIL 6
1"=1'-0" A7-2



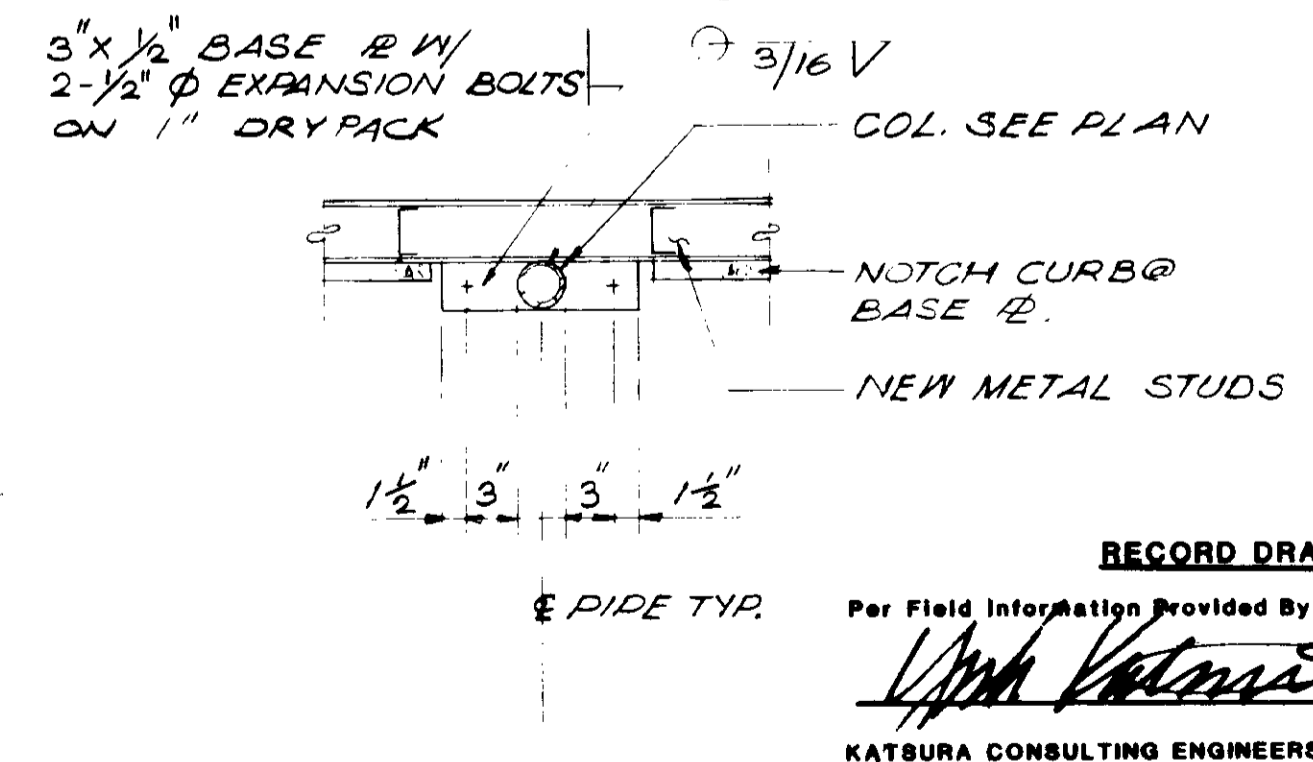
DETAIL 7
1"=1'-0" A7-2



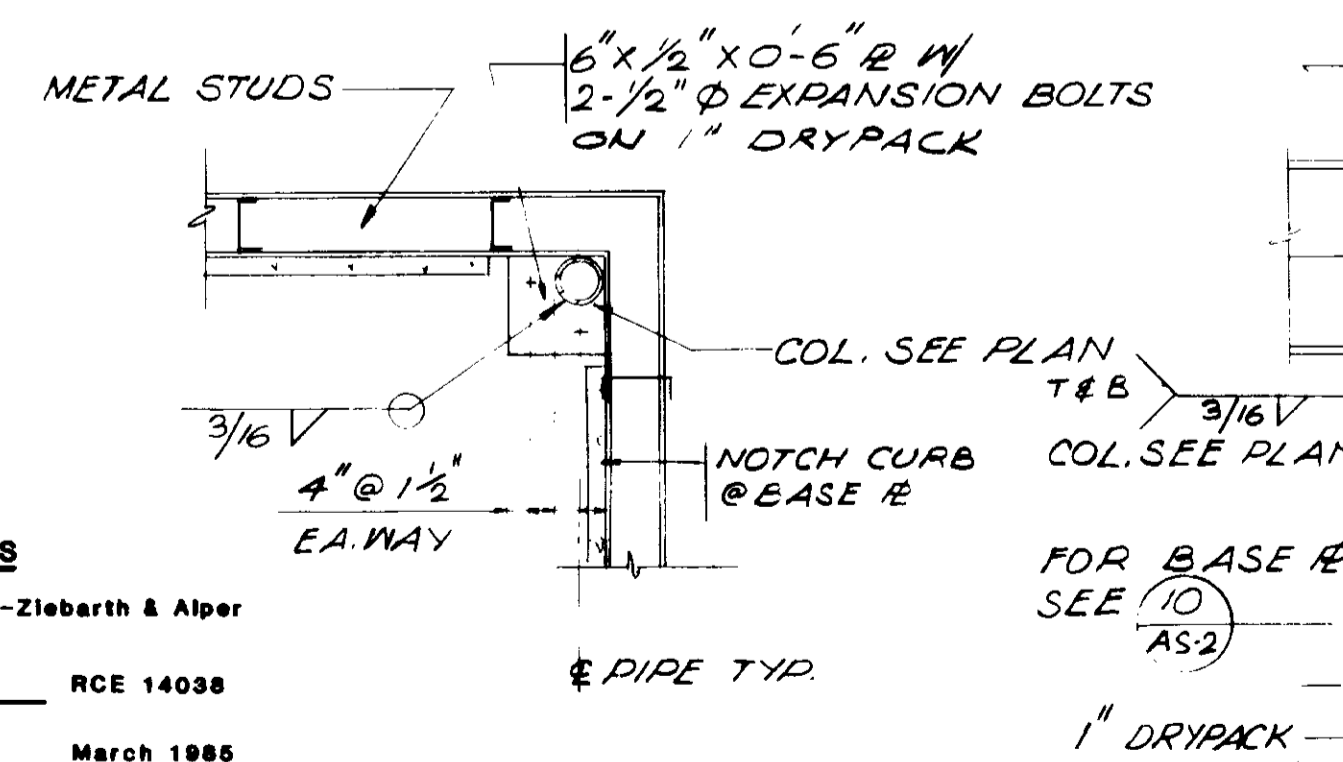
DETAIL 8
1"=1'-0" A7-2



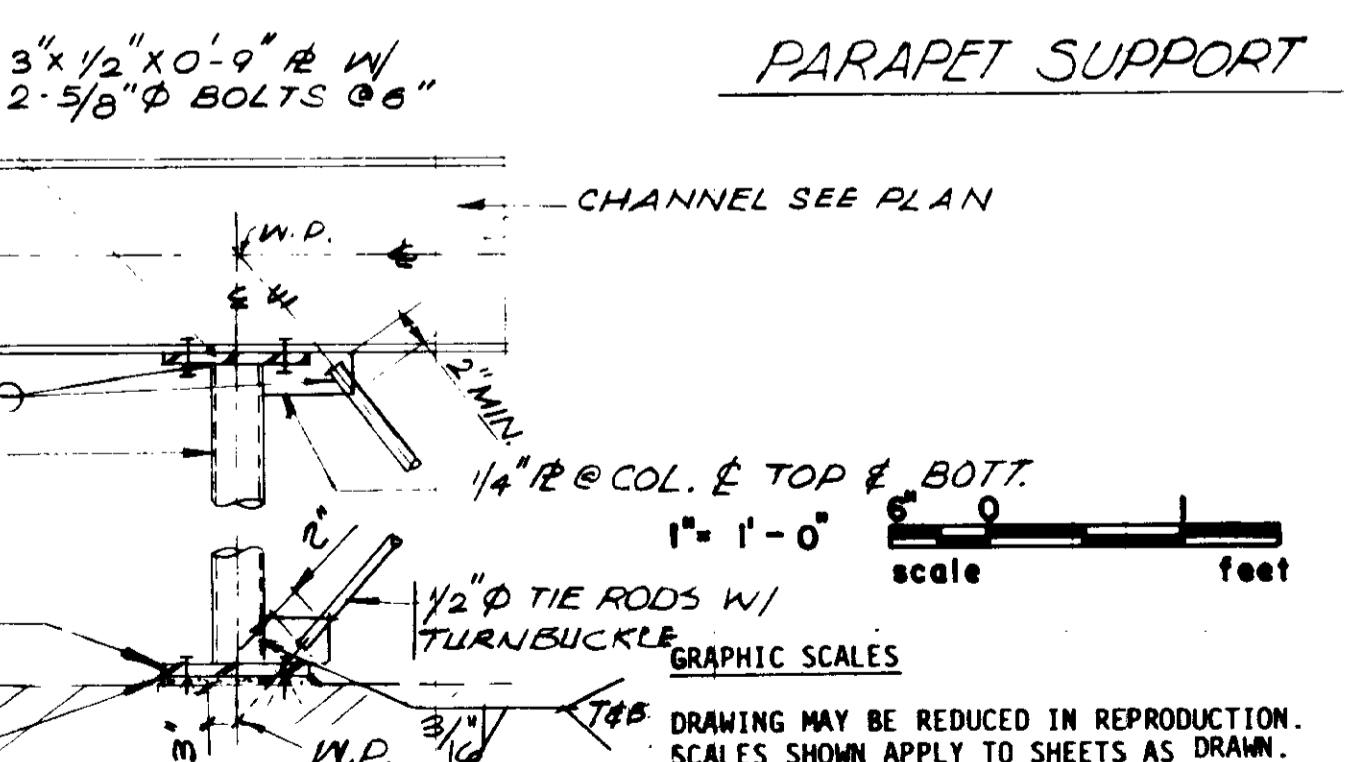
DETAIL 9
1"=1'-0" A7-2



DETAIL 10
1"=1'-0" A7-2



DETAIL 11
1"=1'-0" A7-2



DETAIL 12
1"=1'-0" A7-2

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
Yuh Valdez
RCE 14038
KATBURA CONSULTING ENGINEERS March 1985

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
Yuh Valdez
RCE 14038
KATBURA CONSULTING ENGINEERS March 1985

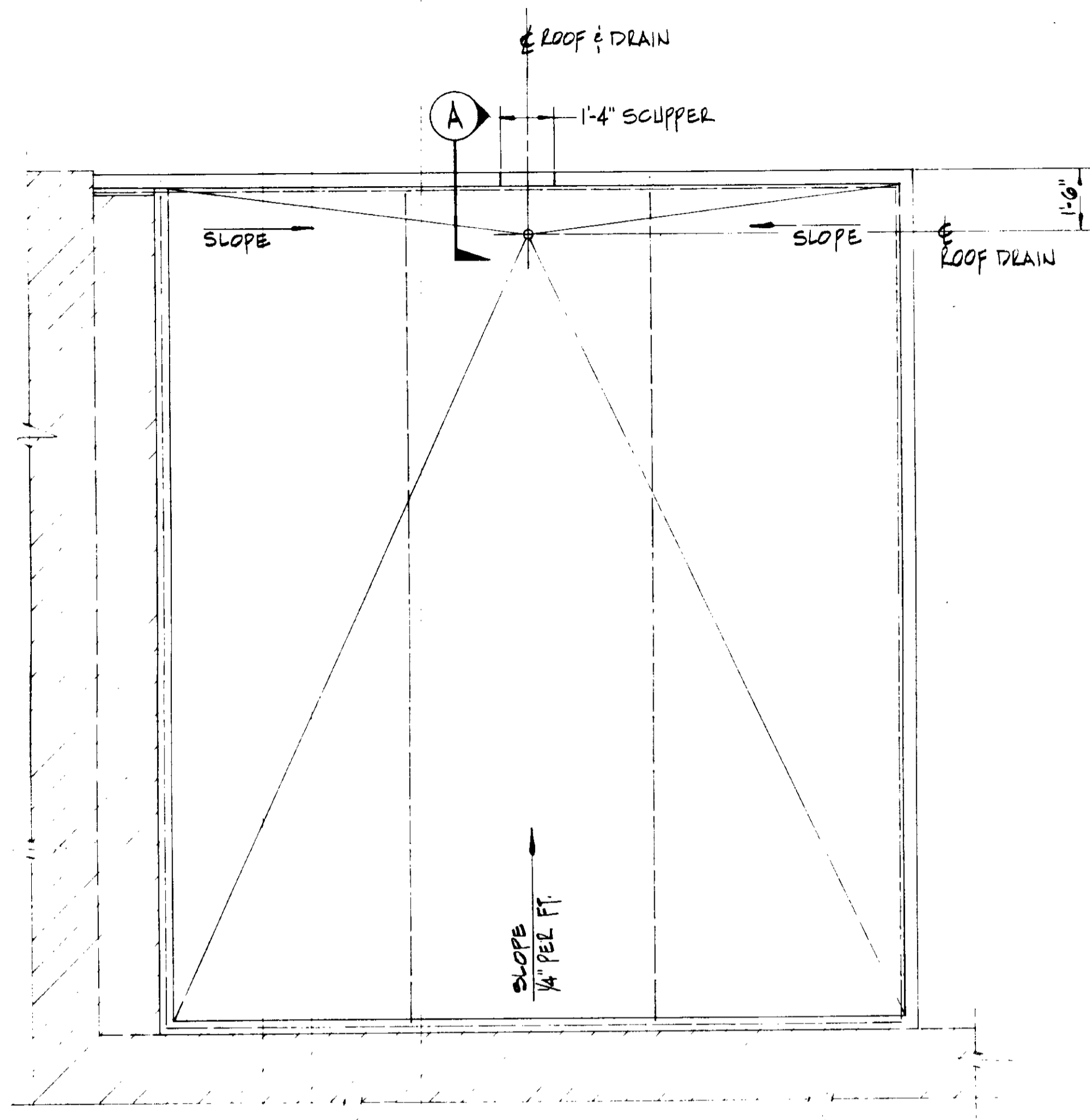
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

SCALE: 1"=1'-0"	DESIGNED: M. KRACKNER	SUBMITTED: <i>Yuh Valdez</i>	14038	8/15/79
	DRAWN: K.R. - R.L.	PROJECT MANAGER: <i>Yuh Valdez</i>	R.C.E. NO.	DATE
	CHECKED: <i>Yuh Valdez</i>	PROJECT ADMINISTRATOR: <i>Yuh Valdez</i>	14894	8/15/79
			R.C.E. NO.	DATE

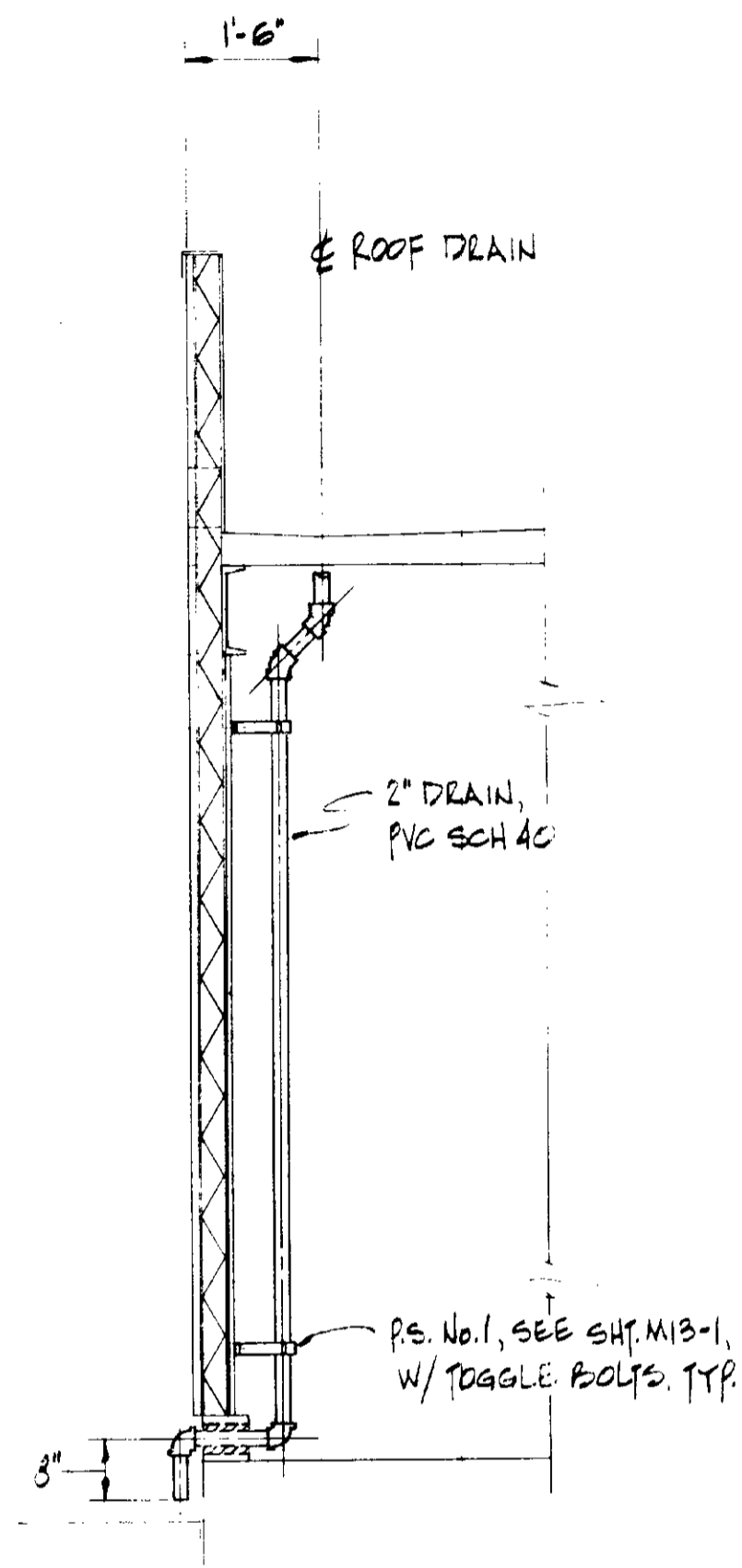
JKS CONSULTING ENGINEERS
A JOINT VENTURE
6801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
CONTROL ROOM FOR EXISTING PROCESS AIR COMPRESSOR
SECTIONS & DETAILS

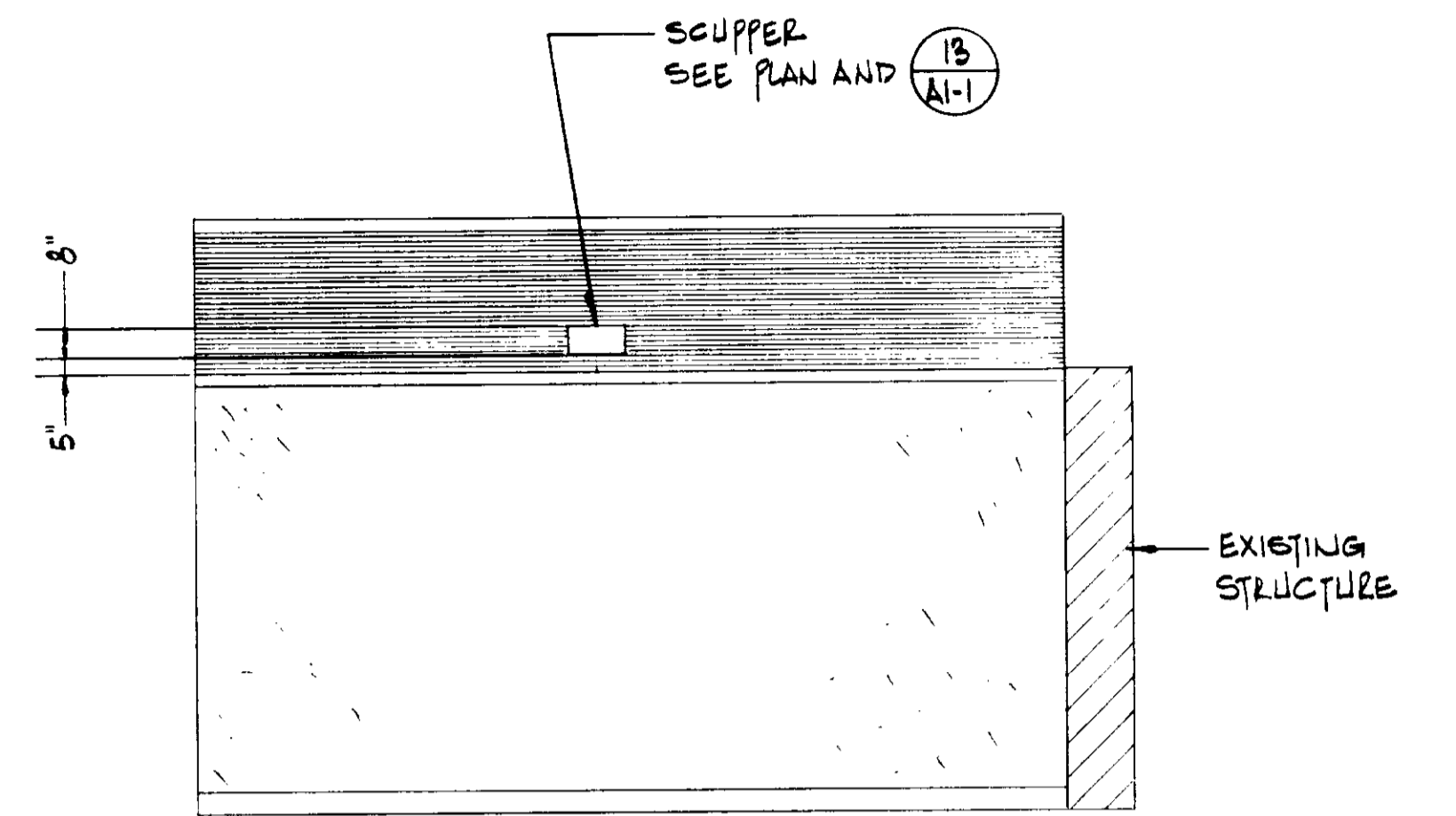
SHEET
A7-2



ROOF PLAN
3/8" = 1'-0"



SECTION A
1/2" = 1'-0"



NORTH ELEVATION
1/4" = 1'-0"

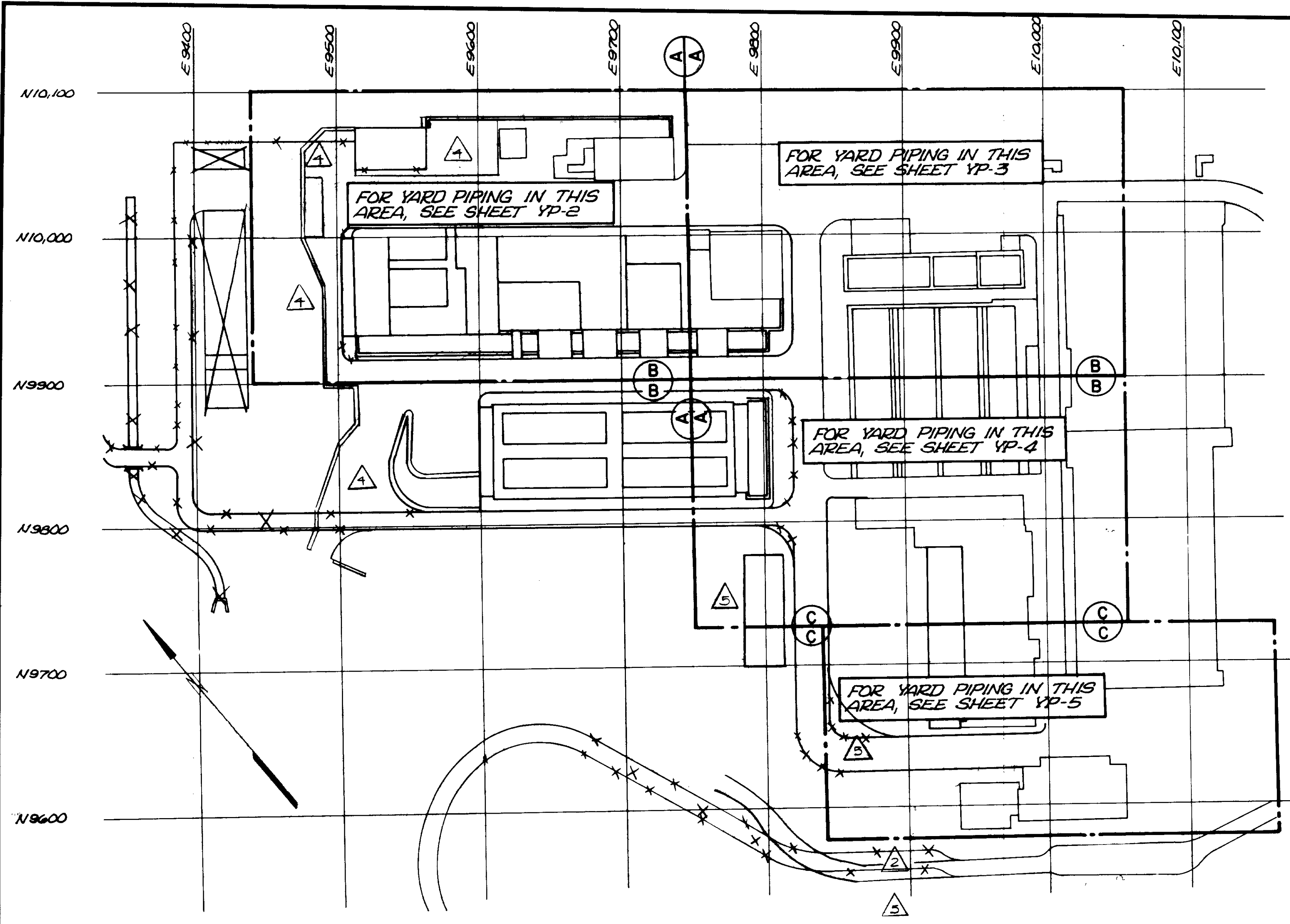
03168

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alder
[Signature]
KATSURA CONSULTING ENGINEERS

REFERENCE DWG.: SKA7-1
DELETED WORK: DW-25-12

DW-C5-12

DATE: 9-8-81 BY: Y.K.	KATSURA ENGINEERING	CONTROL ROOM	SHEET A7-3
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GENERAL NOTES

1. THE LOCATION & ELEVATION OF ALL EXISTING STRUCTURES, FACILITIES, PIPING & RELATED APPURTENANCES ARE APPROXIMATE, AND BASED ON BEST INFORMATION AVAILABLE. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATIONS THROUGH FIELD VERIFICATION. PRIOR TO ANY FIELD WORK, DRAWINGS OR FIELD NOTES SHALL BE REVIEWED.
2. ALL EXISTING PIPING & ELECTRICAL CONDUITS INCLUDING RELATED FITTINGS, VALVES & STRUCTURES, WHICH ARE TO BE REMOVED OR ABANDONED, SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCING DETAILED IN THE PROJECT SPECIFICATION.
3. EXISTING PIPES TO BE ABANDONED WHICH ARE CUT SHALL BE PLUGGED WITH CONCRETE UNLESS OTHERWISE INDICATED ON THE PLANS, SPECIFICATIONS OR BY ENGINEER'S DIRECTION.
4. PLANT DRAIN MANHOLES SHALL CONFORM WITH THE OWNER'S STANDARD SPECIFICATIONS OR BY ENGINEER'S.
5. SEE SPECIFICATIONS FOR PIPING SCHEDULES.
6. SEE SHEET YP-1 FOR RECLAIMED WATER DETAILS.

YARD PIPING KEY PLAN
 1" = 50'
 0 50 100
 scale feet

ABBREVIATIONS

A.C.P.	ASBESTOS CONCRETE PIPE	G. MECH. CPLG.	GROOVED MECHANICAL COUPLING	R.P.M.	REINFORCED PLASTIC MORTAR
C.I.	CAST IRON	G.S.T.	GRAVITY SLUDGE TRANSFER	S	SLOPE
C.I.S.P.	CAST IRON SOIL PIPE	H.B. or H.V.	HOSE BIB OR HOSE VALVE	S.P.D.	SLUMP PUMP DISCHARGE
C ₂ -Sol'n	CHLORINE SOLUTION	I.D.	INSIDE DIAMETER	S.R.T.	SLUDGE RECYCLE TRANSFER
△ C.L. or CL	CENTER LINE	I.N.F. F.M.	INFLUENT FORCE MAIN	SSUP	SLUDGE SUPPLY
C.W.	COOLING WATER	J.C.	JUNCTION CHAMBER	STD STL	STANDARD STEEL
C.W.D.	COOLING WATER DISCHARGE	MECH COMP CPLG.	MECHANICAL COMPRESSION COUPLING	STL	STEEL
D.I.	DUCTILE IRON	M.H.	MANHOLE	T.D.	TANK DRAIN
DRN.	DRAIN	M.L.-A.C.	MORTAR-LINED, ASPHALT COATED	TEMP	TEMPORARY
EL.	ELEVATION	O.D.	OUTSIDE DIAMETER	W/	WITH
ELL.	ELBOW	P.A.	PROCESS AIR	WLD'D	WELDED
E.X.A.	EXHAUST AIR	P.C.	PIECE	WWW	WASHWATER = RECLAIMED WATER
FLGD	FLANGED	POT.	POTABLE		
F.M.	FORCE MAIN	P.S.	PIPE SUPPORT		
GAL. STL.	GALVANIZED STEEL	R.A.S.	RETURN ACTIVATED SLUDGE		

SEE SHEET YP-1 FOR RECLAIMED WATER DETAILS

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
 RDE 14038
 KATSURA CONSULTING ENGINEERS March 1986

03169

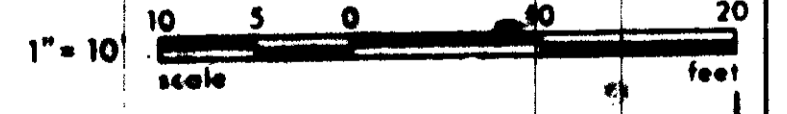
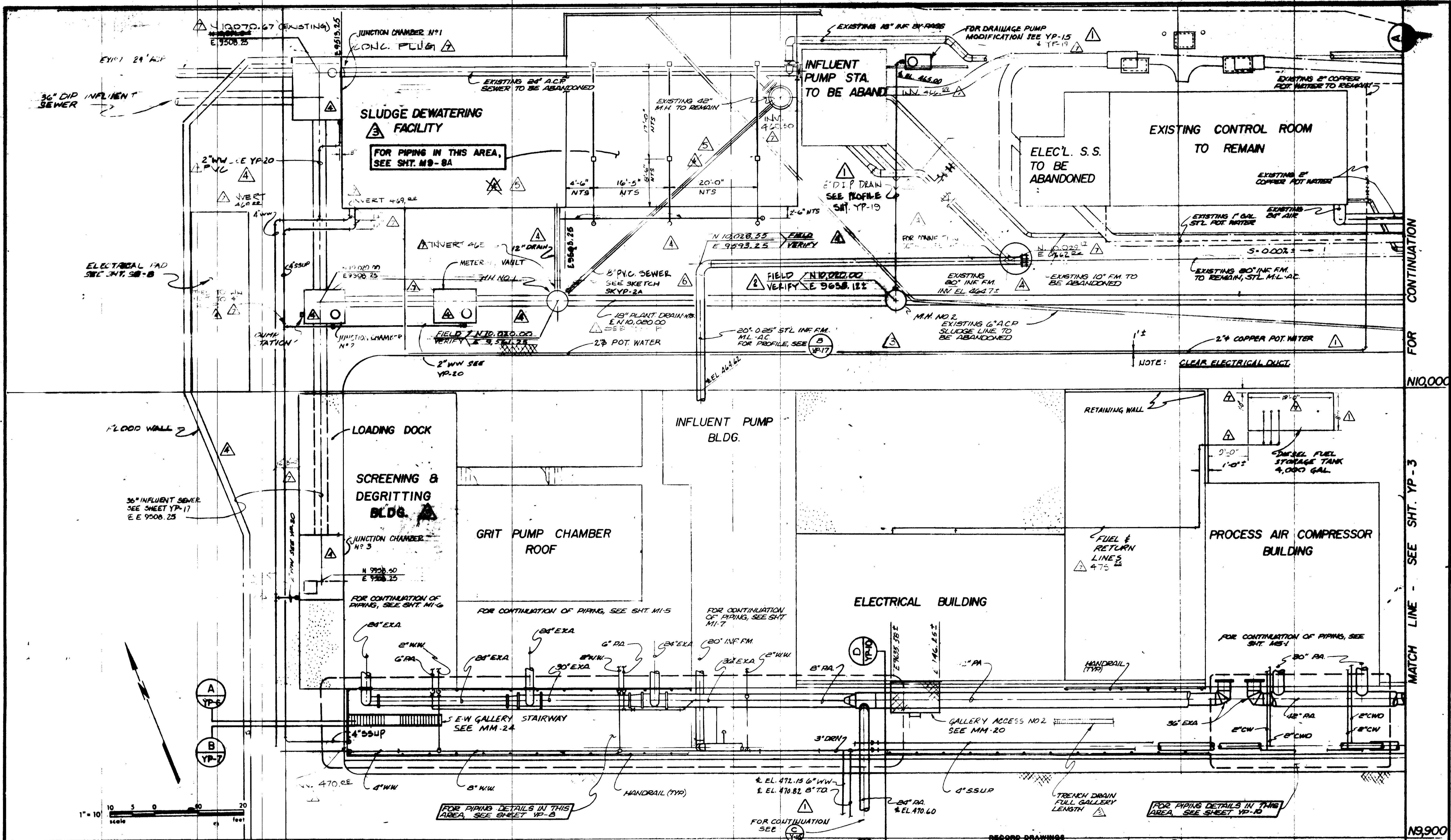
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION
1	9-22-80	Y.K.	ADD RECL. WATER NOTE				
2	11-4-79	Y.K.	ADDED NOTES				

SCALE: 1" = 50' 0"	DESIGNED: <i>[Signature]</i>	SUBMITTED: <i>[Signature]</i>	14038
CHECKED: <i>[Signature]</i>	PROJECT MANAGER: <i>[Signature]</i>	R.C.E. NO. DATE	
	PROJECT ADMINISTRATOR: <i>[Signature]</i>	14884 11-5-79	

J&K CONSULTING ENGINEERS
 A JOINT VENTURE
 8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 YARD PIPING KEY PLAN

SHEET
YP-1



FOR PIPING DETAILS IN THIS AREA, SEE SHEET YP-8

FOR PIPING DETAILS IN THIS AREA, SEE SHEET YP-10

RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alger
[Signature]
 RCE 14038
 KATSURA CONSULTING ENGINEERS March 1988

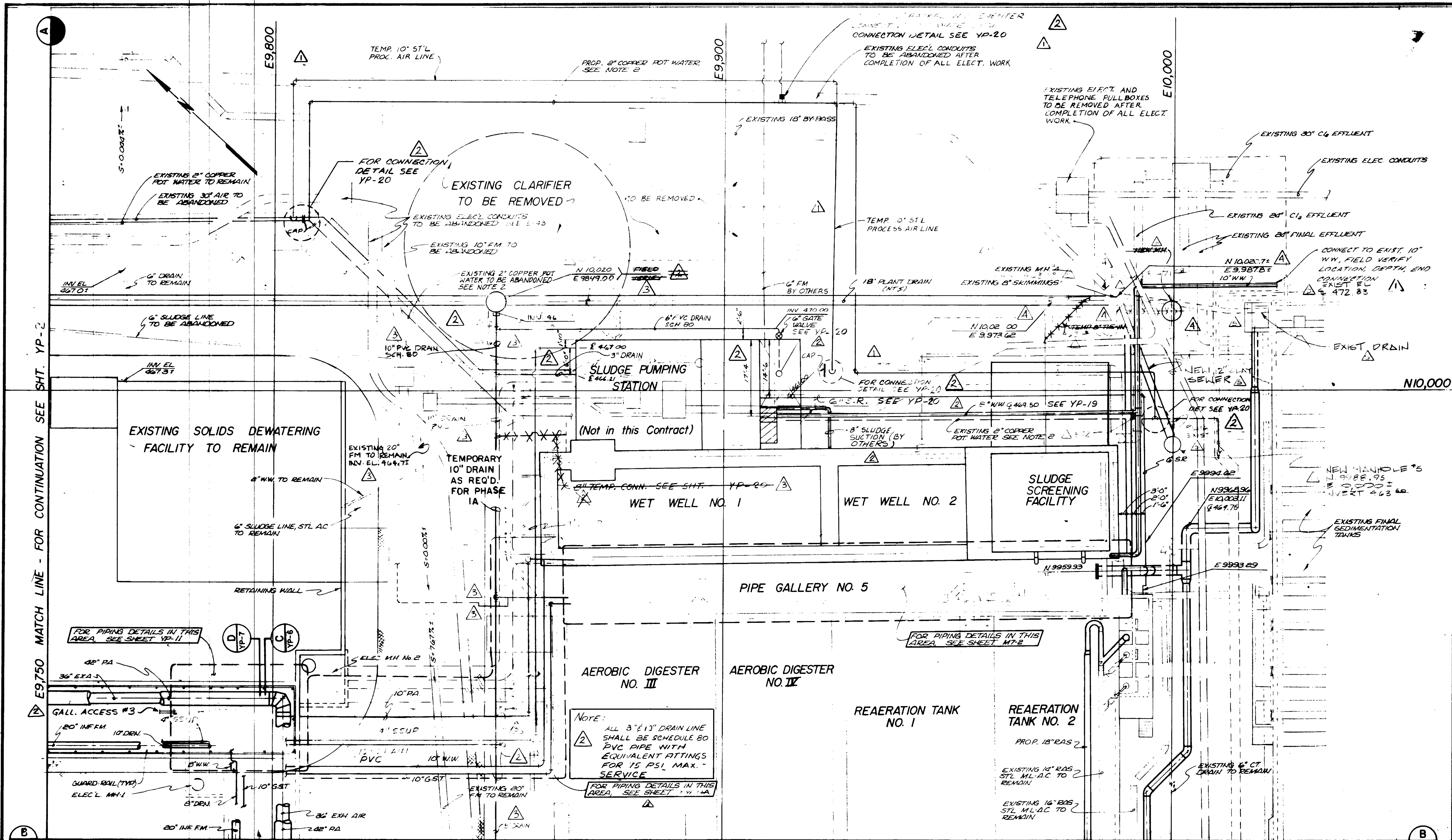
03170 PCH-C5-18

REV	DATE	BY	DESCRIPTION
1	11-21-80	Y.K.	COASTAL COMM. REV., PART I
2	12-27-81	Y.K.	CLARIFICATION & ADD
3	12-27-81	Y.K.	OAK TREE PRESERV. MOD.
4	11-1-82	Y.K.	GENERAL REVISION

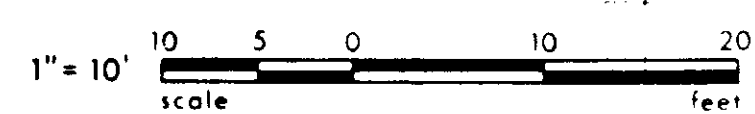
SCALE: 1"=10'-0"	DESIGNED: JAH	SUBMITTED: 14038
DRAWN: JAH	PROJECT MANAGER: R.C.E. NO. DATE	14038
CHECKED: JAH	PROJECT ADMINISTRATOR: R.C.E. NO. DATE	14894

J&K CONSULTING ENGINEERS
 A JOINT VENTURE
 9001 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 888-8117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 SHEET YP-2



NOTE:
 ALL 3" x 13" DRAIN LINE SHALL BE SCHEDULE 80 PVC PIPE WITH EQUIVALENT FITTINGS FOR 15 PSI. MAX. SERVICE



N9,900 MATCH LINE - FOR CONTINUATION SEE SHT. YP-4

E9,750 MATCH LINE - FOR CONTINUATION SEE SHT. YP-2

RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebach & Alper

Yoshitaka
 KATSURA CONSULTING ENGINEERS
 RCE 14038
 March 1984

03171

PH-C5-18

REV	DATE	BY	DESCRIPTION
1	4-26-84	Y.K.	ADDITION / MOD.
2	4-26-84	Y.K.	CERISTAL COMMISSION REV PART 2
3	2-17-84	Y.K.	CLARIFICATION & ADD.
4	11-5-84	Y.K.	GENERAL REVISION

SCALE :	1" = 10'-0"
DESIGNED	Y.K.
DRAWN	Y.KATSURA
CHECKED	

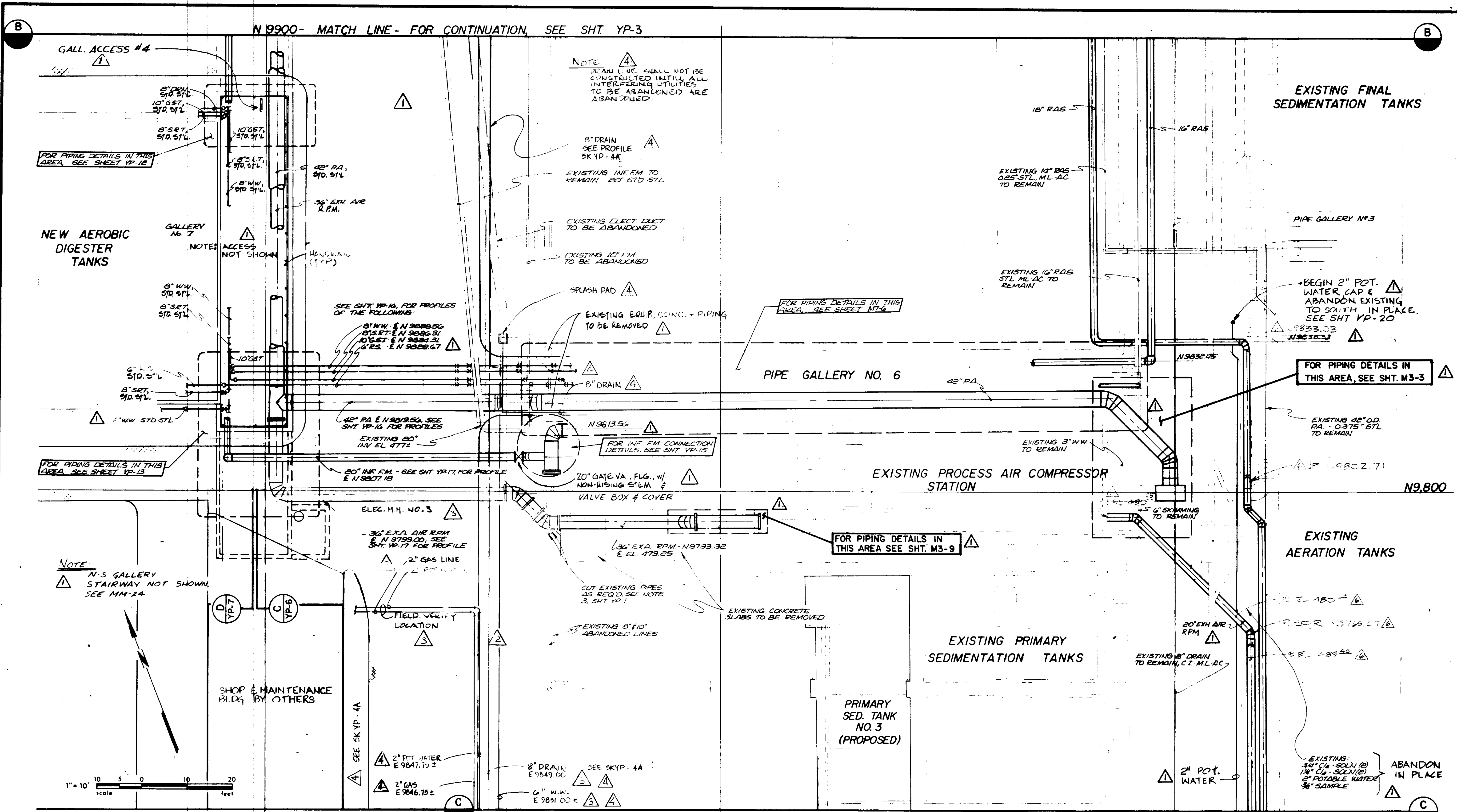
SUBMITTED	14038
PROJECT MANAGER	R.C.E. NO. DATE
PROJECT ADMINISTRATOR	14884 R.C.E. NO. DATE

J&K CONSULTING ENGINEERS
 A JOINT VENTURE
 8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 833-1117

LAS VIRGENES MUNICIPAL WATER DISTRICT
 SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.

YARD PAVING

SHEET
 YP-3



N 9900- MATCH LINE- FOR CONTINUATION, SEE SHT. YP-3

MATCH LINE- FOR CONTINUATION, SEE SHT. YP-5 N9730.0

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

[Signature] RCE 14038

KATSURA CONSULTING ENGINEERS March 1988

03172

PCH-C5-18

REV	DATE	BY	DESCRIPTION
1	4-26-81	Y.K.	COASTAL COMM. REV. PART 2
2	10-21-80	Y.K.	COASTAL COMM. REV. PART 2
3	12-21-79	Y.K.	OAK TREE PRESERV. MOD.
4	12-21-79	Y.K.	MISC. ADD & CLARIFICATION

SCALE: 1" = 10'-0"

DESIGNED BY: JAN

DRAWN BY: JS

CHECKED BY: AT

SUBMITTED	PROJECT MANAGER	PROJECT ADMINISTRATOR
14038	R.C.E. NO. DATE	14884
		R.C.E. NO. DATE

JK CONSULTING ENGINEERS

A JOINT VENTURE

6601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016

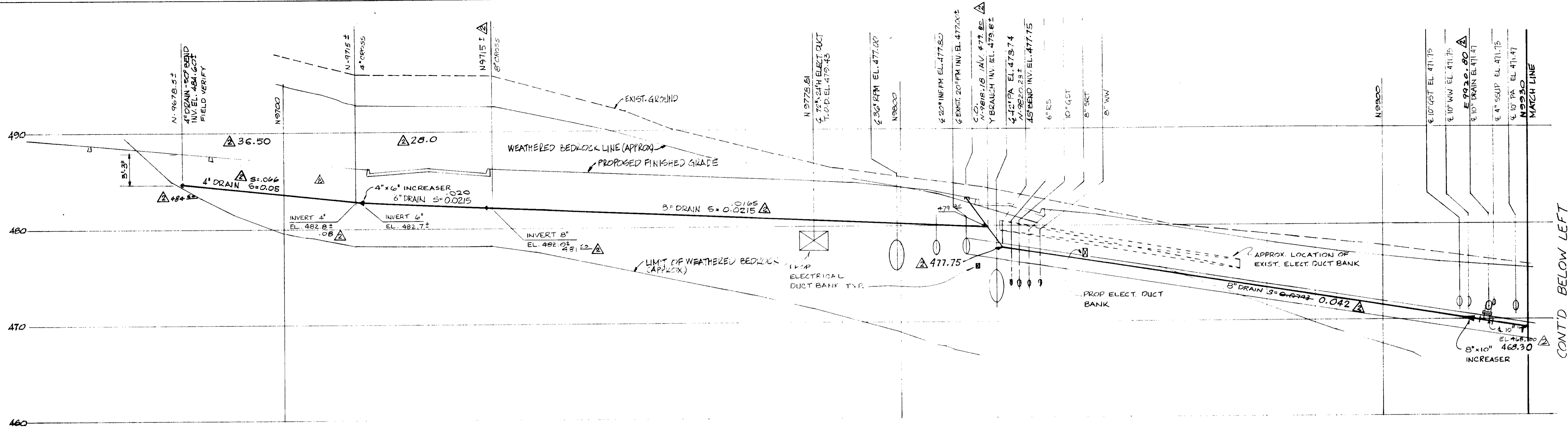
(213) 933-1117

LAS VIRGENES MUNICIPAL WATER DISTRICT

SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.

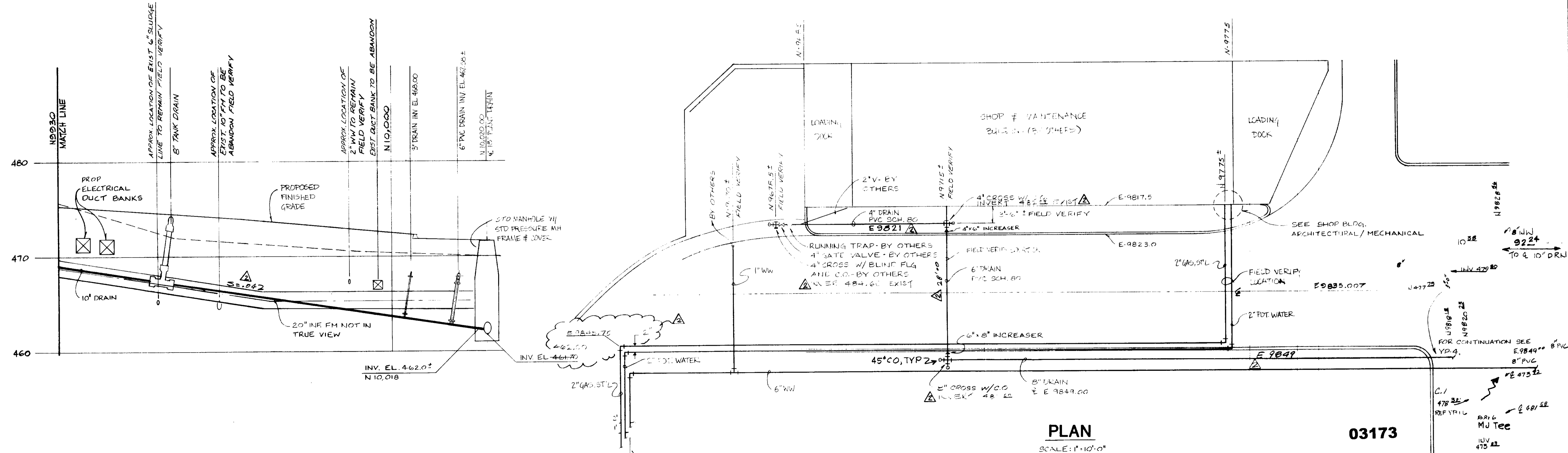
YARD PIPING

SHEET YP-4



DRAIN PROFILE

HORIZONTAL 1"=10'-0"
VERTICAL 1"=5'-0"



PLAN

SCALE: 1"=10'-0"

03173

REFERENCE DWG: SKYP-4C

RECORD DRAWINGS
Per Field Information Provided by Morley-Ziebarth & Alper

Y. Katsura
RCE 14038
KATSURA CONSULTING ENGINEERS March 1985

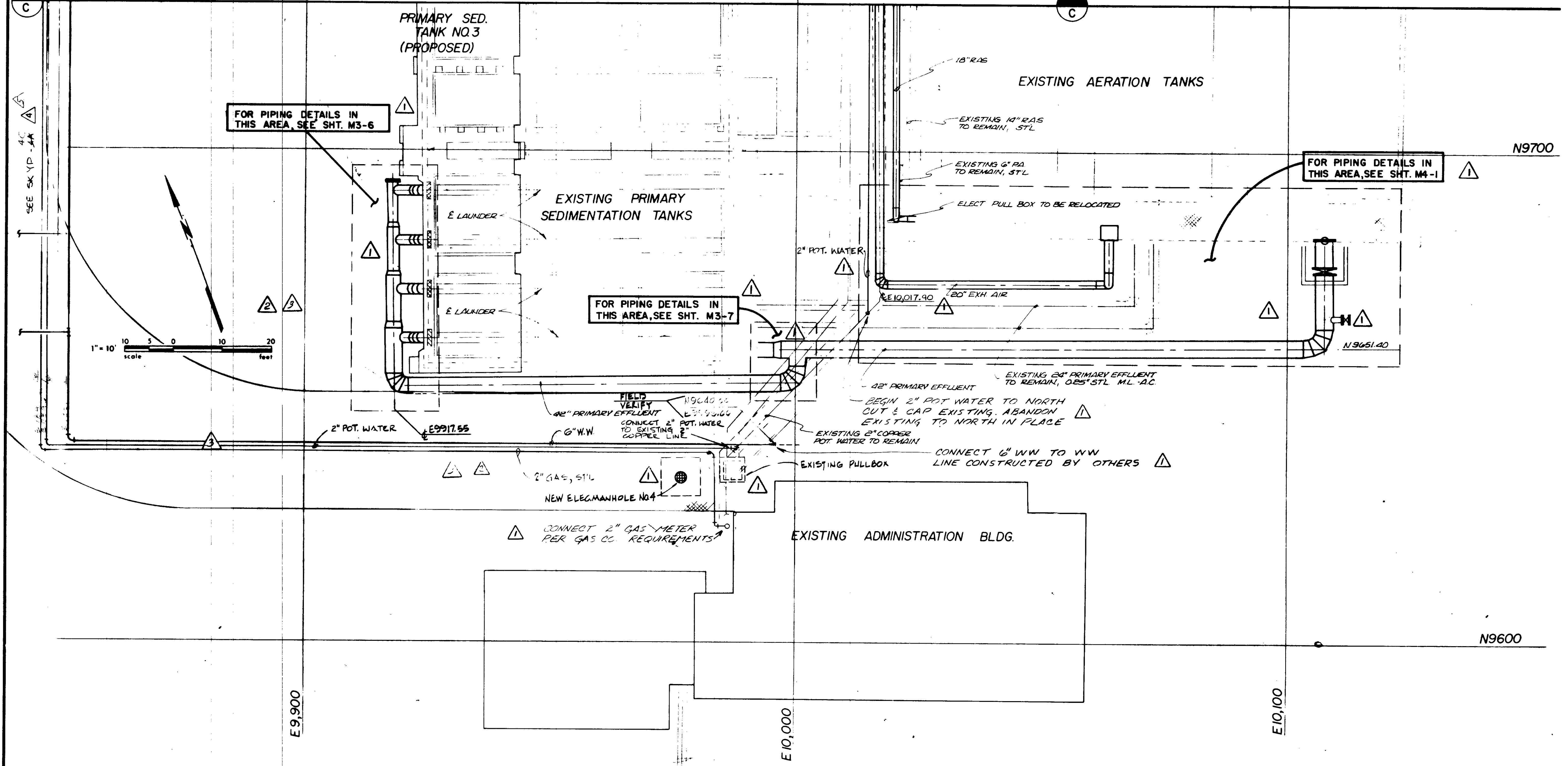
REV	DATE	BY	DESCRIPTION
1	3/20/81	Y.K.	REV AS PER MZA FILE
2	3/20/81	Y.K.	REV AS PER MZA FILE

DATE: 3/20/81
BY: Y.K.
Y. KATSURA
CONSULTING ENGINEERS

SHOP AND MAINTENANCE BLDG.
DRAIN PLAN AND PROFILE

SHEET
YP-4A

N9730 MATCH LINE FOR CONTINUATION SEE SHT. YP-4



RECORD DRAWINGS 03174

Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
 RCE 14038
 KATSURA CONSULTING ENGINEERS March 1988

PC-15-18

REV	DATE	BY	DESCRIPTION
1	1-26-81	Y.K.	COASTAL COMM REV PART 2
2	10-21-82	Y.K.	COASTAL COMM REV PART 2
3	12-21-83	Y.K.	OAK TREE PRESERV. MOD.
4	12-21-83	Y.K.	MISC ADD & CLARIFICATIONS

SCALE :
1" = 10'-0"

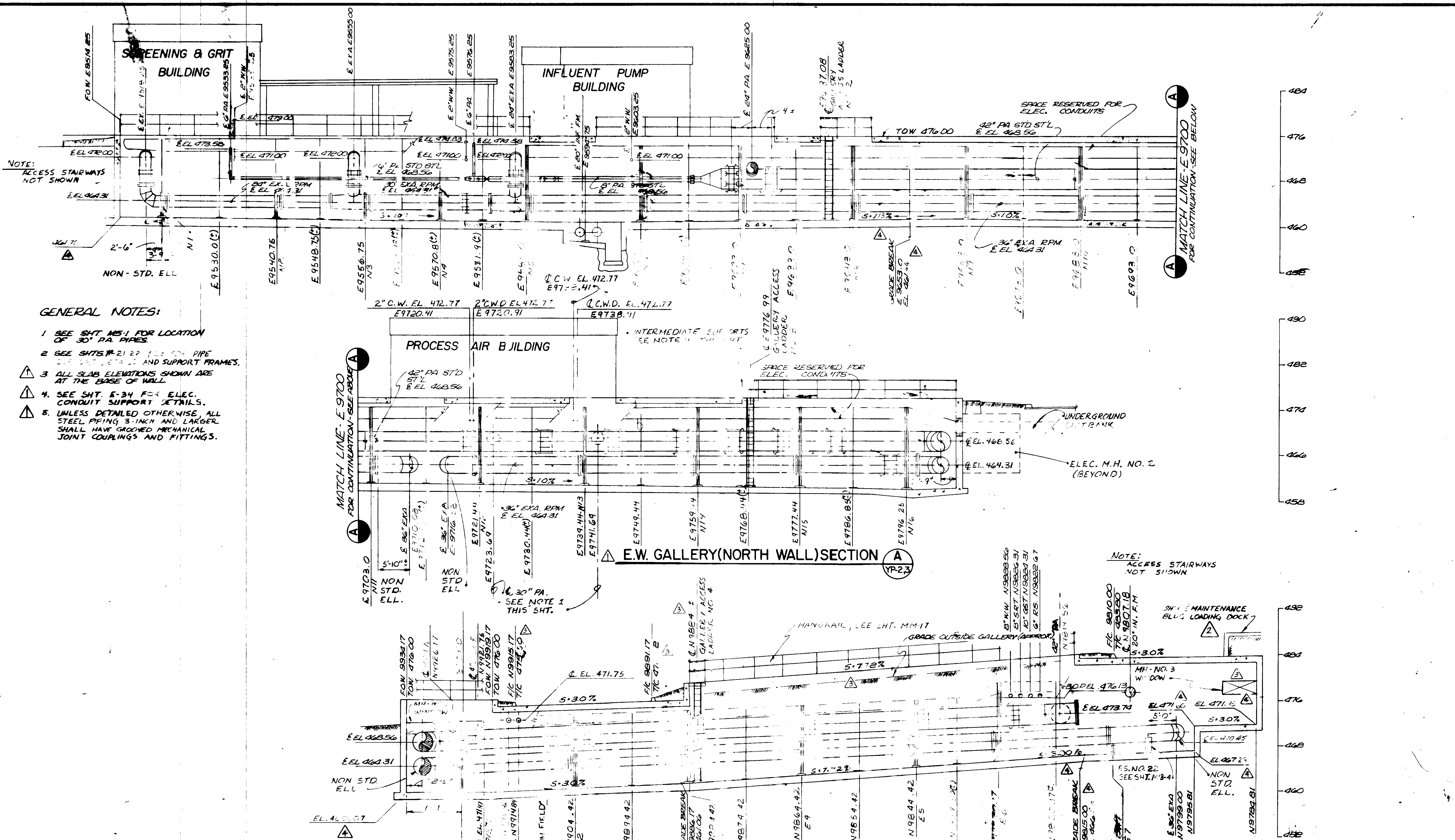
DESIGNED: JAH
 DRAWN: JTS
 CHECKED:

SUBMITTED	PROJECT MANAGER	PROJECT ADMINISTRATOR
14038	R.C.E. NO. DATE	14884
		R.C.E. NO. DATE

J&K CONSULTING ENGINEERS
 A JOINT VENTURE
 8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 935-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 YARD PIPING IV

SHEET
YP-5



NOTE:
ACCESS STAIRWAYS
NOT SHOWN

GENERAL NOTES:

1. SEE SHT. NS-1 FOR LOCATION OF 30" PA. PIPES.
2. SEE SHTS. 17-21 FOR PIPE SUPPORT DETAILS AND SUPPORT FRAMES.
3. ALL SLAB ELEVATIONS SHOWN ARE AT THE BASE OF WALL.
4. SEE SHT. E-34 FOR ELEC. CONDUIT SUPPORT DETAILS.
5. UNLESS DETAILED OTHERWISE, ALL STEEL PIPING 3-INCH AND LARGER SHALL HAVE GROOVED MECHANICAL JOINT COUPLINGS AND FITTINGS.

NOTE:
ACCESS STAIRWAYS
NOT SHOWN

REV	DATE	BY	DESCRIPTION
1	4/24/19	Y.K.	CLARIFICATION
2	9/28/18	Y.K.	CLARIFICATION
3	9/21/18	Y.K.	COASTAL COMM REV. PART 2
4	1-6-20	Y.K.	MODIFICATIONS & ADD.

SCALE: 1" = 10'

DESIGNED BY: JAH
DRAWN BY: Y. KATSURA 1-6-20
CHECKED BY: [Signature]

SUBMITTED: 14038
PROJECT MANAGER: [Signature]
PROJECT ADMINISTRATOR: [Signature]
R.C.E. NO. DATE: 14894

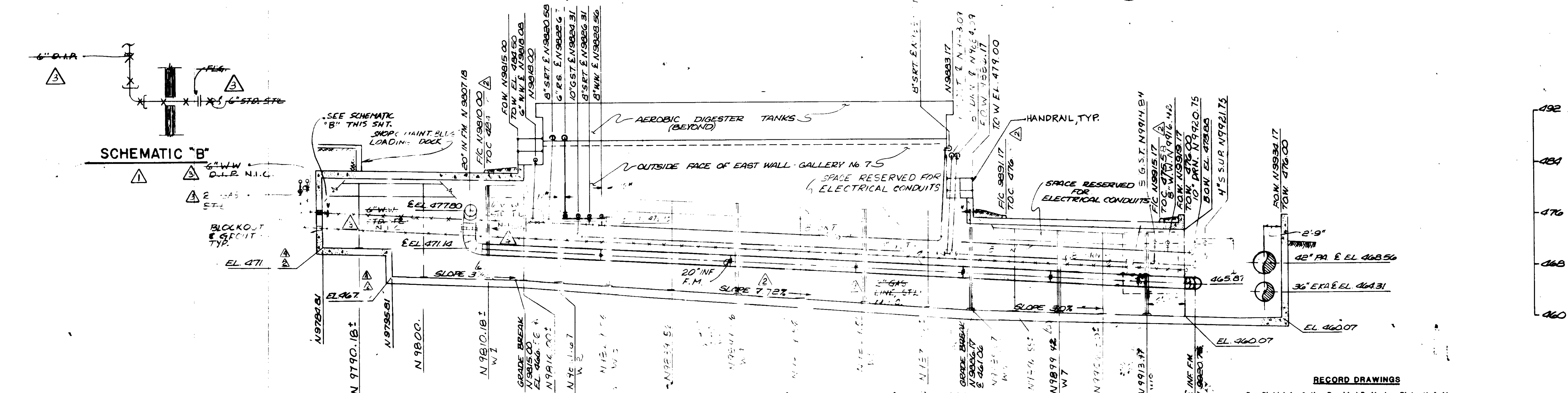
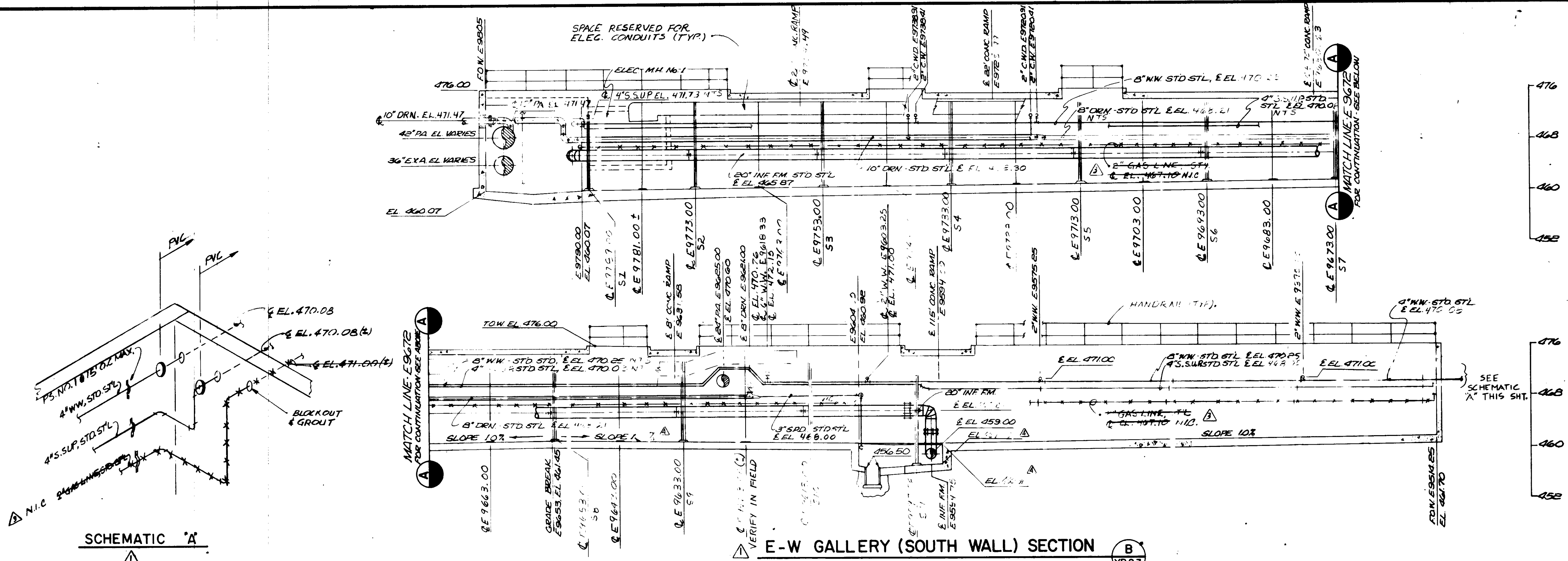
JKE CONSULTING ENGINEERS
A JOINT VENTURE
8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 638-9117

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper.
Y. Katsura RCE 14038
KATSURA CONSULTING ENGINEERS March 1988

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
PIPE GALLERY PROFILES 1

03175

SHEET
YP-6



476
468
460
452

476
468
460
452

492
484
476
468
460

N-S GALLERY (WEST WALL) SECTION D

SEE SUPPORT FRAME (SF) DETAILS FOR ADDITIONAL PIPE ELEVATIONS

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
Yuh Katsura
RCE 14038
KATSURA CONSULTING ENGINEERS March 1998

03176
PCH-C5-18

REV	DATE	BY	DESCRIPTION
1	1-6-80	Y.K.	MODIFICATION & ADD
2	10-27-80	Y.K.	INITIAL TRK
3	5-21-81	Y.K.	CLARIFICATION

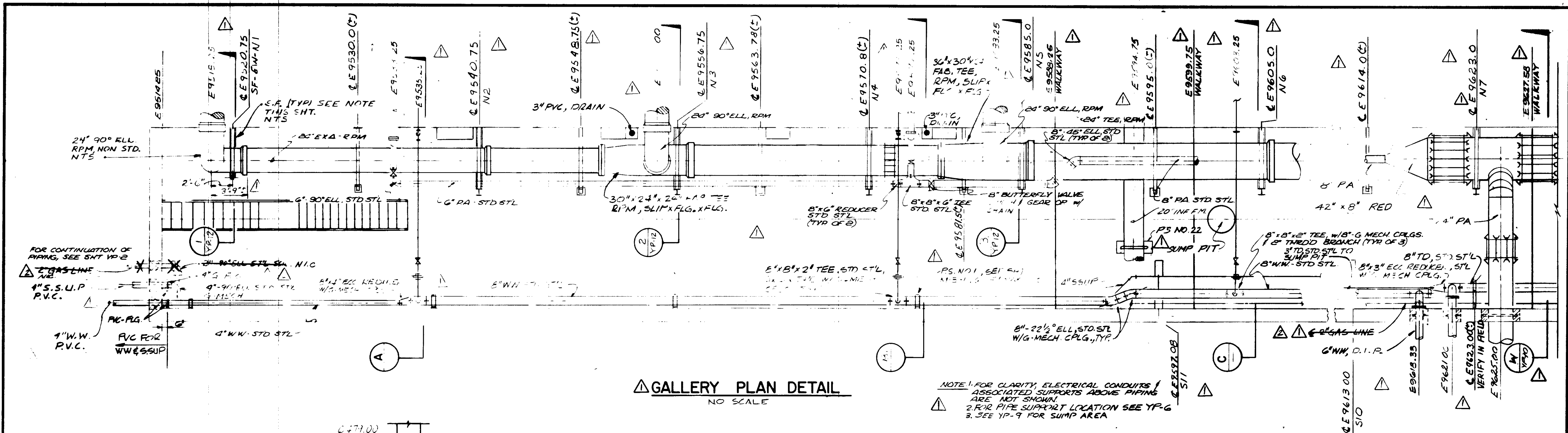
SCALE: NONE	DESIGNED: <i>Y.K.</i>	SUBMITTED: 14038
DRAWN: <i>Y. KATSURA 1-6-80</i>	CHECKED: <i>Y.K.</i>	PROJECT MANAGER: R.C.E. NO. DATE
		PROJECT ADMINISTRATOR: R.C.E. NO. DATE

JK CONSULTING ENGINEERS
A JOINT VENTURE
5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
PIPE GALLERY PROFILES 8

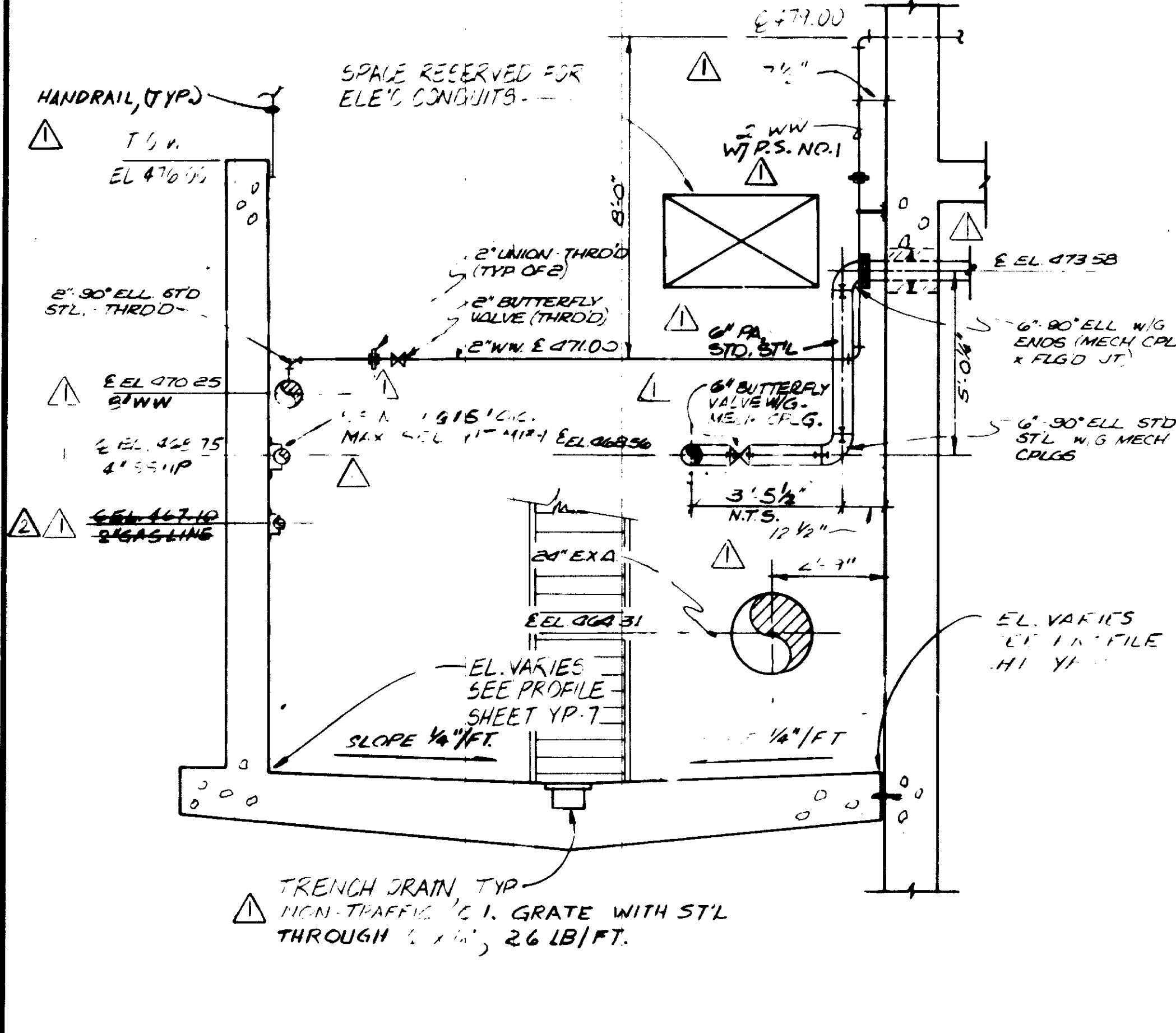
SHEET **YP-7**

Sht. 8 of 19

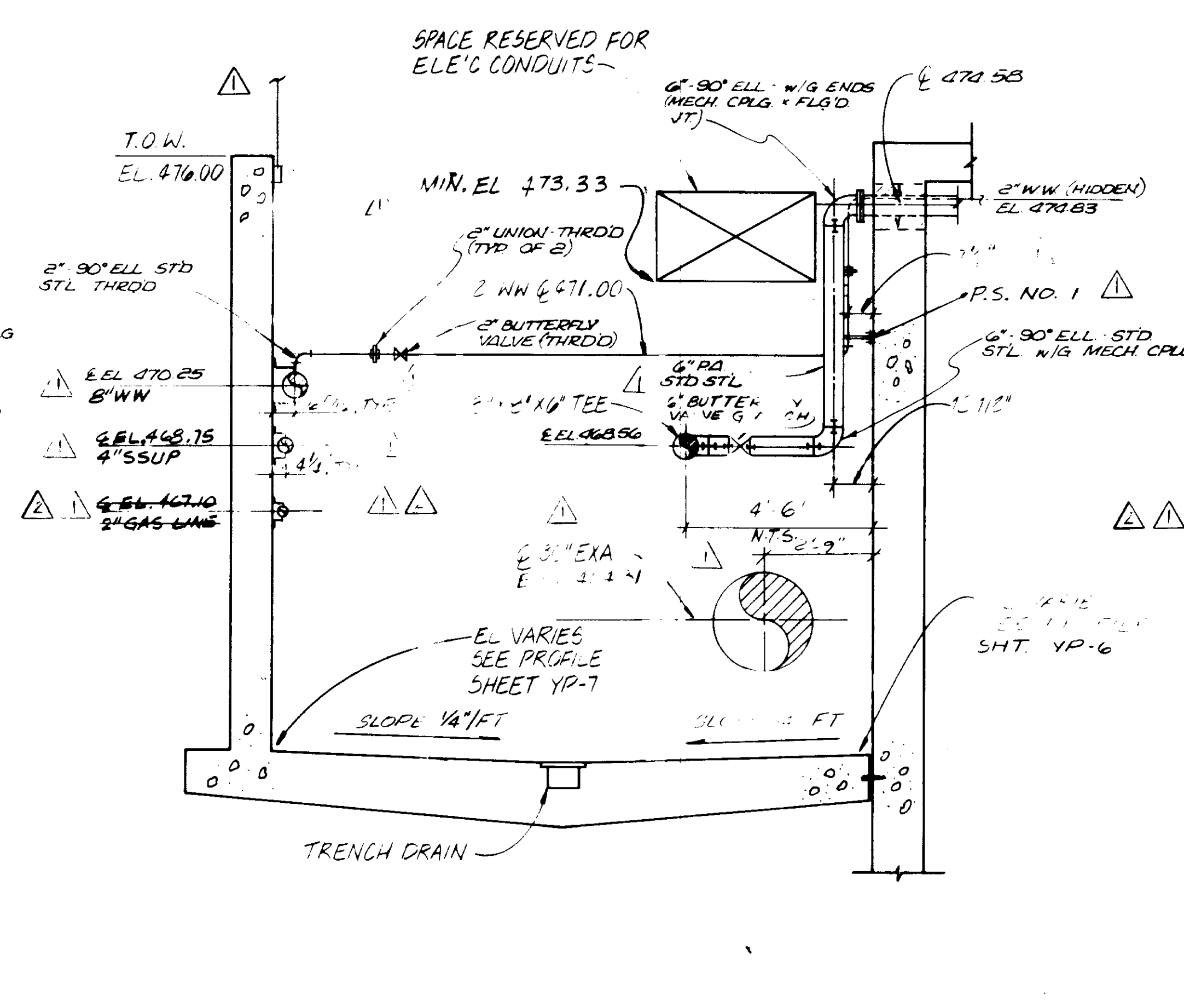


GALLERY PLAN DETAIL
NO SCALE

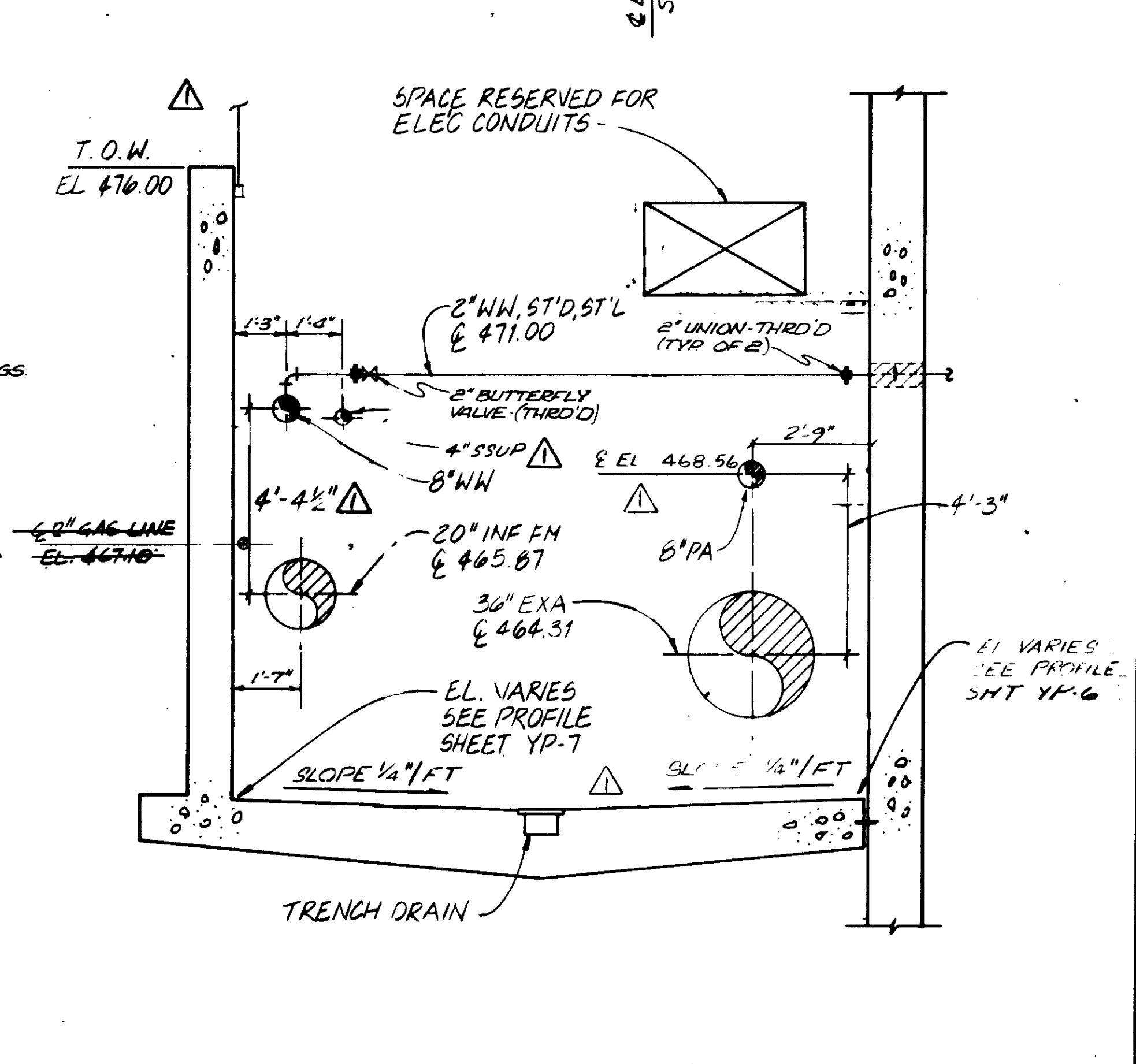
NOTE 1. FOR CLARITY, ELECTRICAL CONDUITS & ASSOCIATED SUPPORTS ABOVE PIPING ARE NOT SHOWN.
2. FOR PIPE SUPPORT LOCATION SEE YP-6
3. SEE YP-9 FOR SUMP AREA



SECTION A
3/8"=1'-0"



SECTION B
3/8"=1'-0"



SECTION C
3/8"=1'-0"

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS RCE 14038
March 1985

03177

REV	DATE	BY	DESCRIPTION
1	9-21-80	Y.K.	COASTAL COMM REV PART 2
2	1-6-80	Y.K.	MODIFICATION & ADD.

SCALE:	AS NOTED
DESIGNED:	JRH
DRAWN:	Y.KATSURA 1-6-80
CHECKED:	

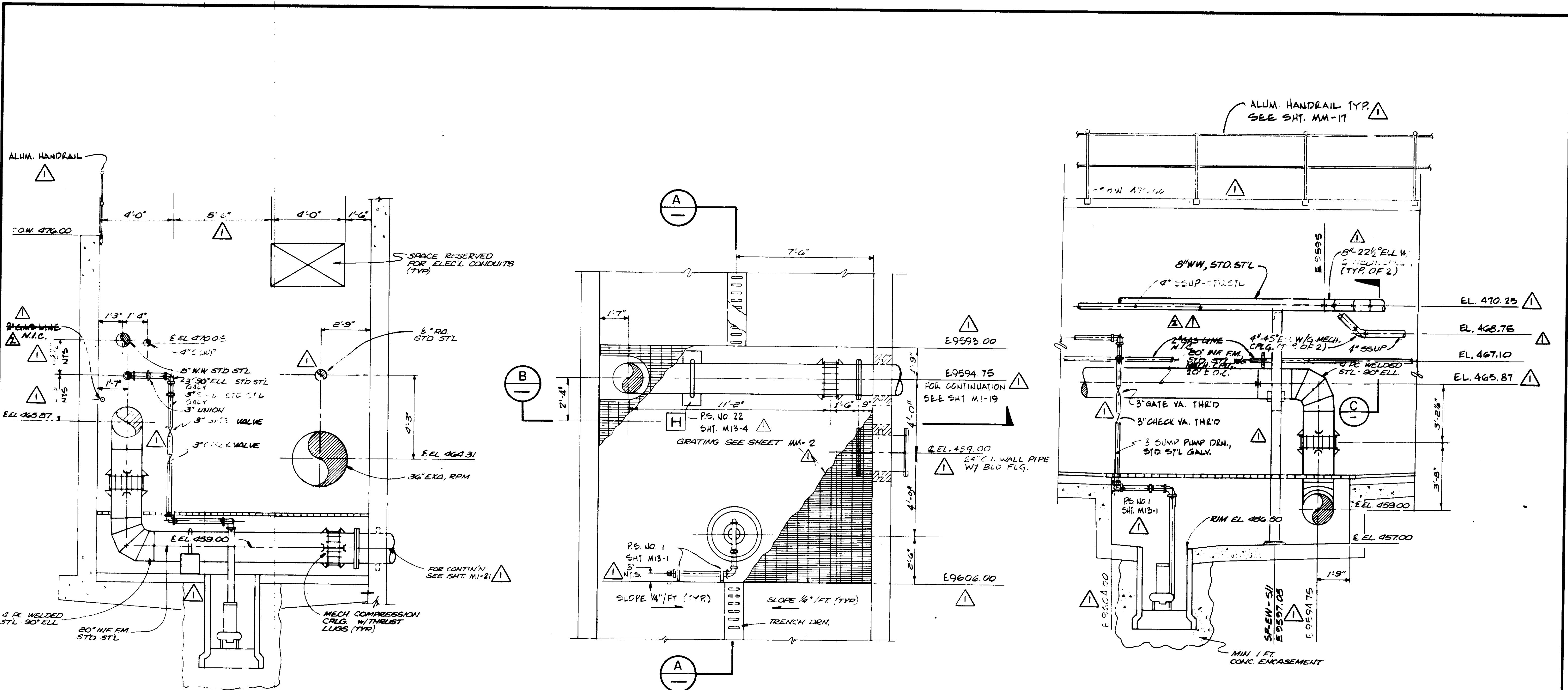
SUBMITTED:	14038
PROJECT MANAGER:	R.C.E. NO. DATE
PROJECT ADMINISTRATOR:	14894 R.C.E. NO. DATE

JKS CONSULTING ENGINEERS
A JOINT VENTURE
5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 833-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
GALLERY PLAN DETAILS AND SECTIONS I

SHEET
YP-8

9-21-80

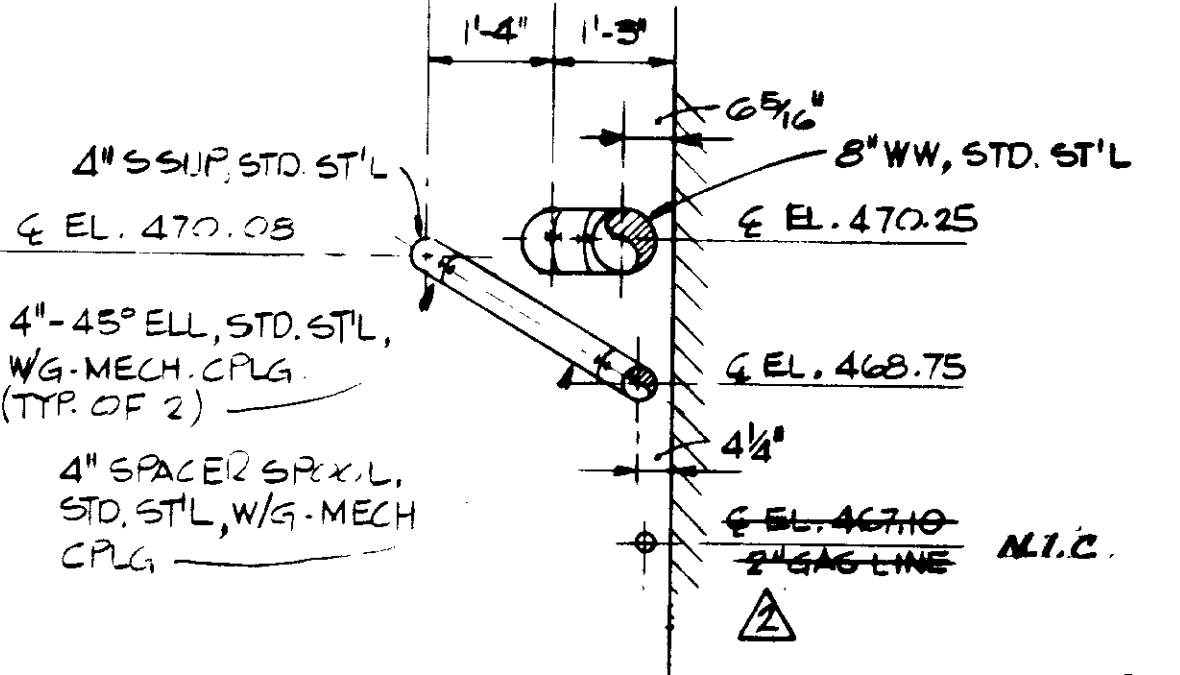


NOTE: 3" SPD. NOT SHOWN IN TRUE VIEW

SECTION B
3/8" = 1'-0"

PLAN SUMP AREA
3/8" = 1'-0"

SECTION A
3/8" = 1'-0"



SECTION C
NTS

RECORD DRAWINGS
Per Field Information Provided by Morley-Ziebarth & Aber
KATSURA CONSULTING ENGINEERS
RCE 14038
March 1985

03178

7-14-85-18

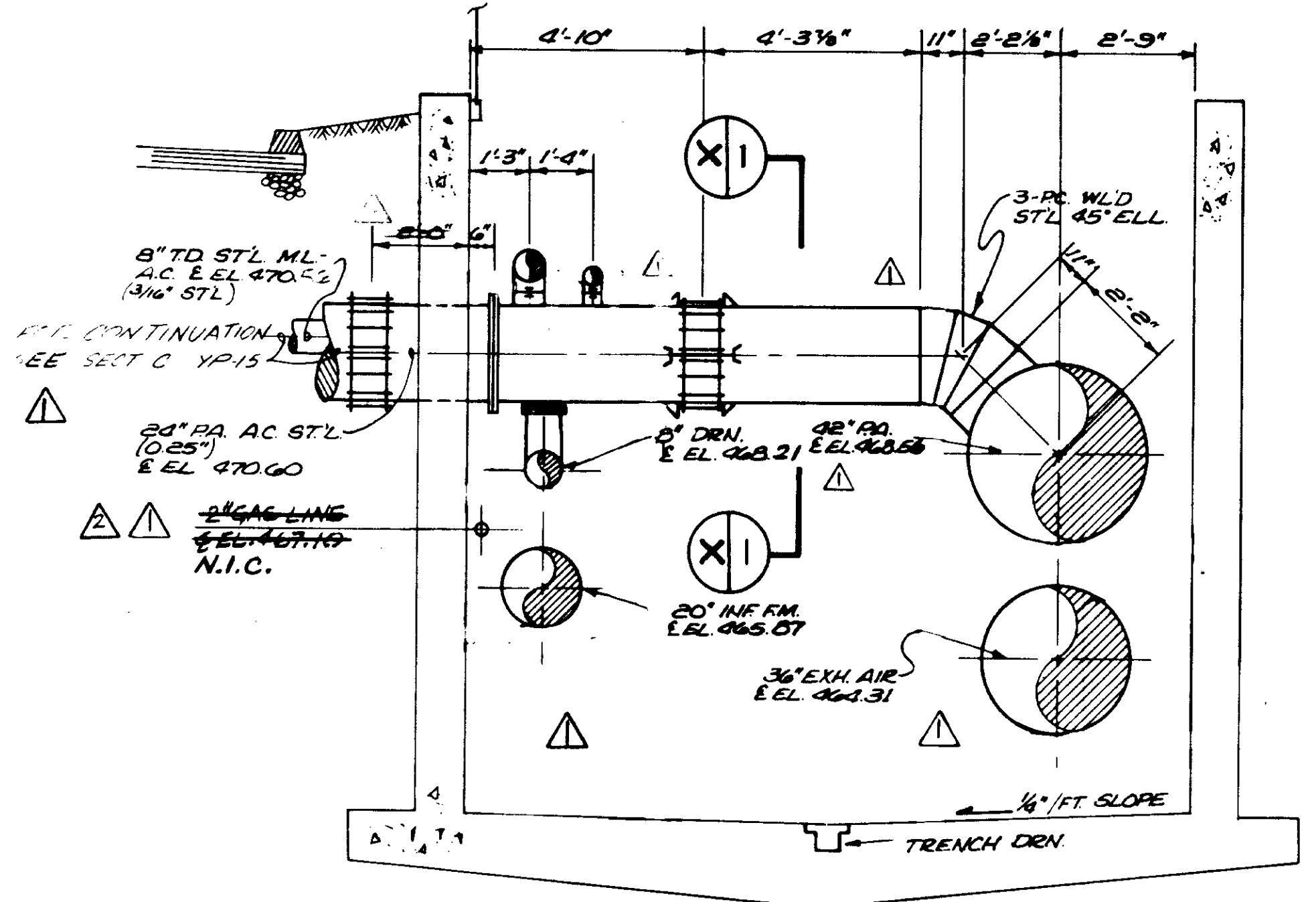
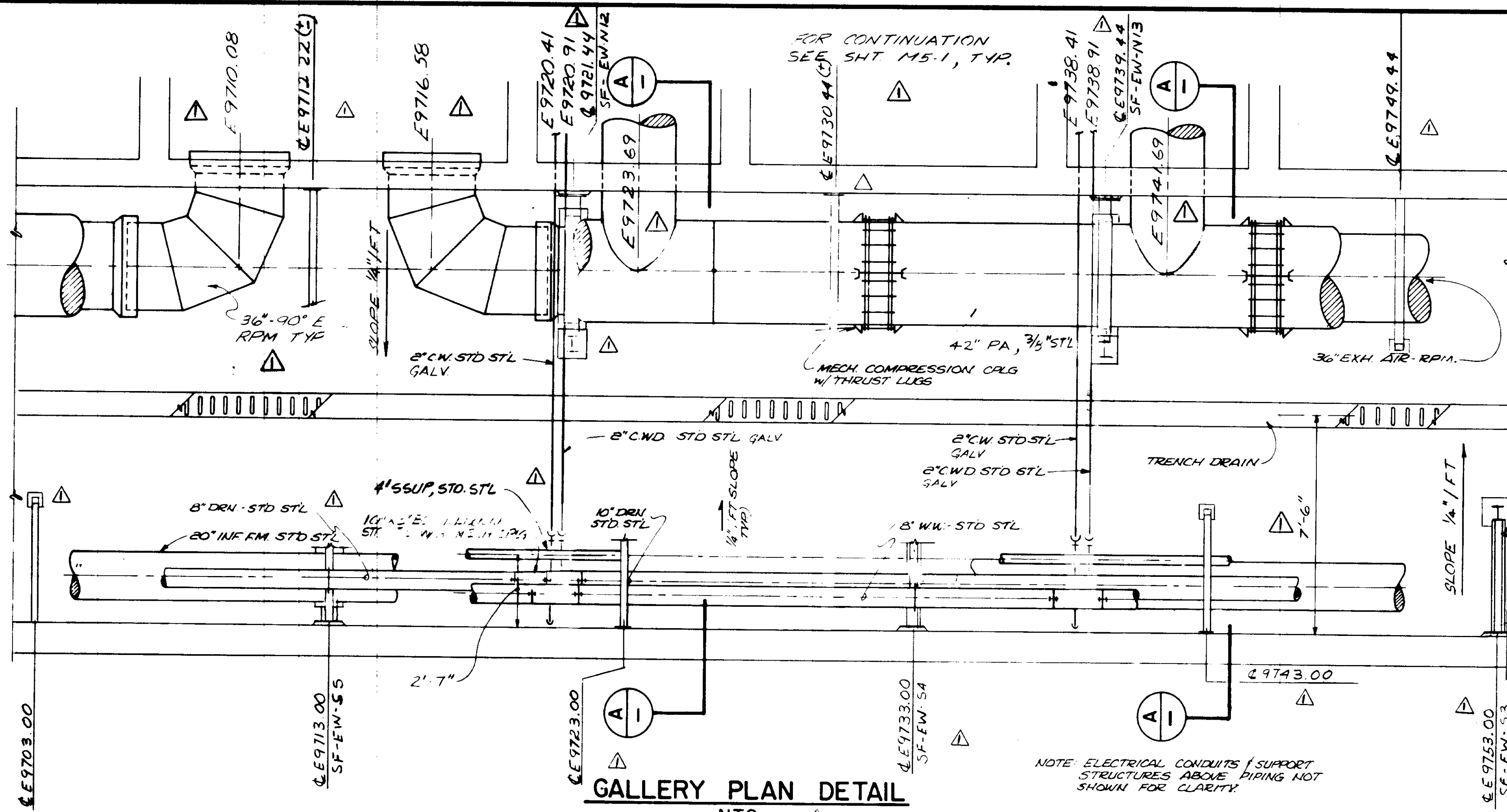
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION
1	7-18-85	Y.K.	COASTAL COMM. REV. PART 2				
2	7-18-85	Y.K.	MODIFICATION & ADD.				

SCALE	AS NOTED	DESIGNED	JAK	SUBMITTED	14038
		DRAWN	Y. KATSURA 1-6-80	PROJECT MANAGER	R.C.E. NO. DATE
		CHECKED		PROJECT ADMINISTRATOR	14884 1-1-85

JKE CONSULTING ENGINEERS
A JOINT VENTURE
5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-8117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
GALLERY PLAN DETAILS AND SECTIONS II

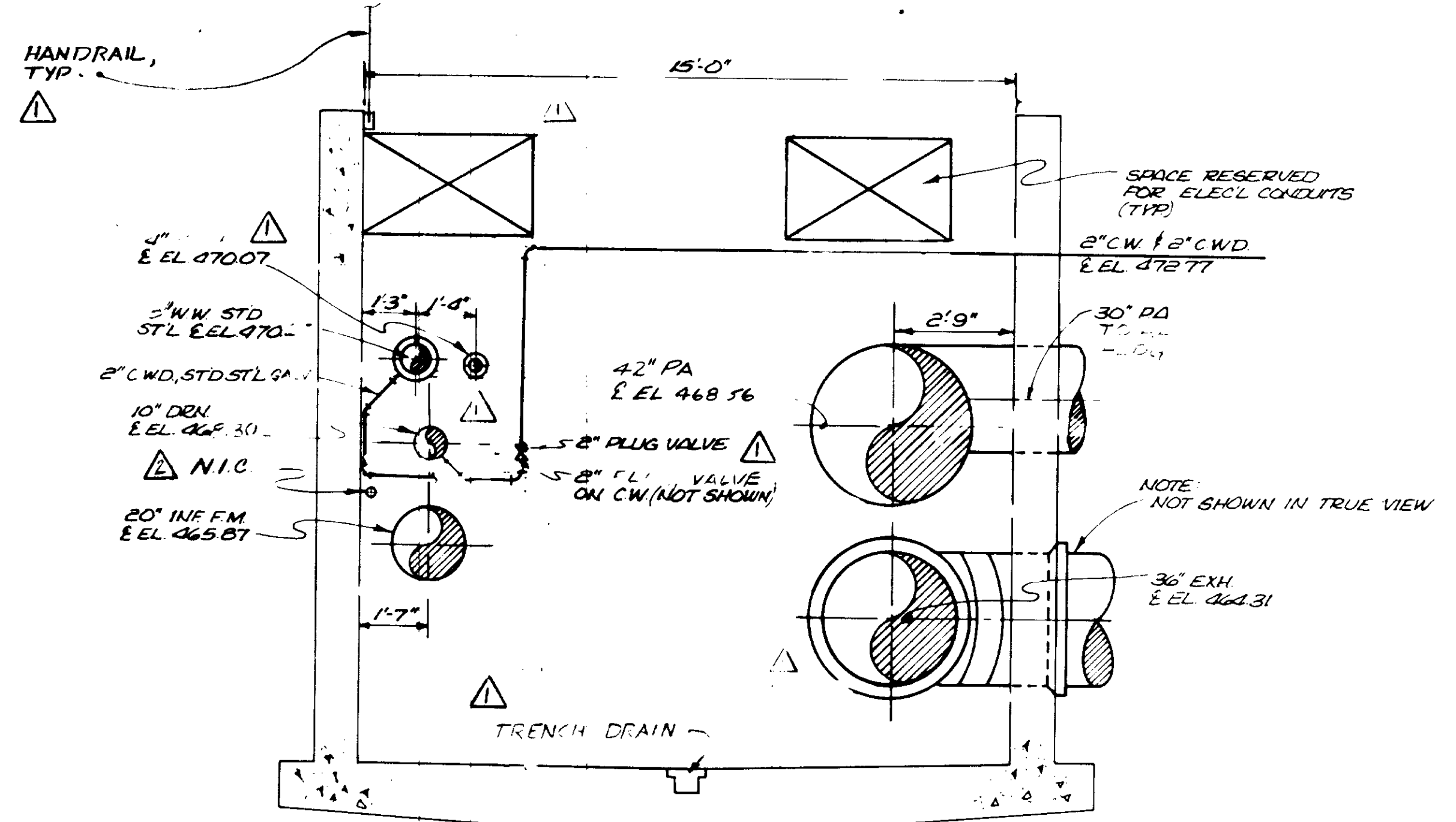
SHEET
YP-9



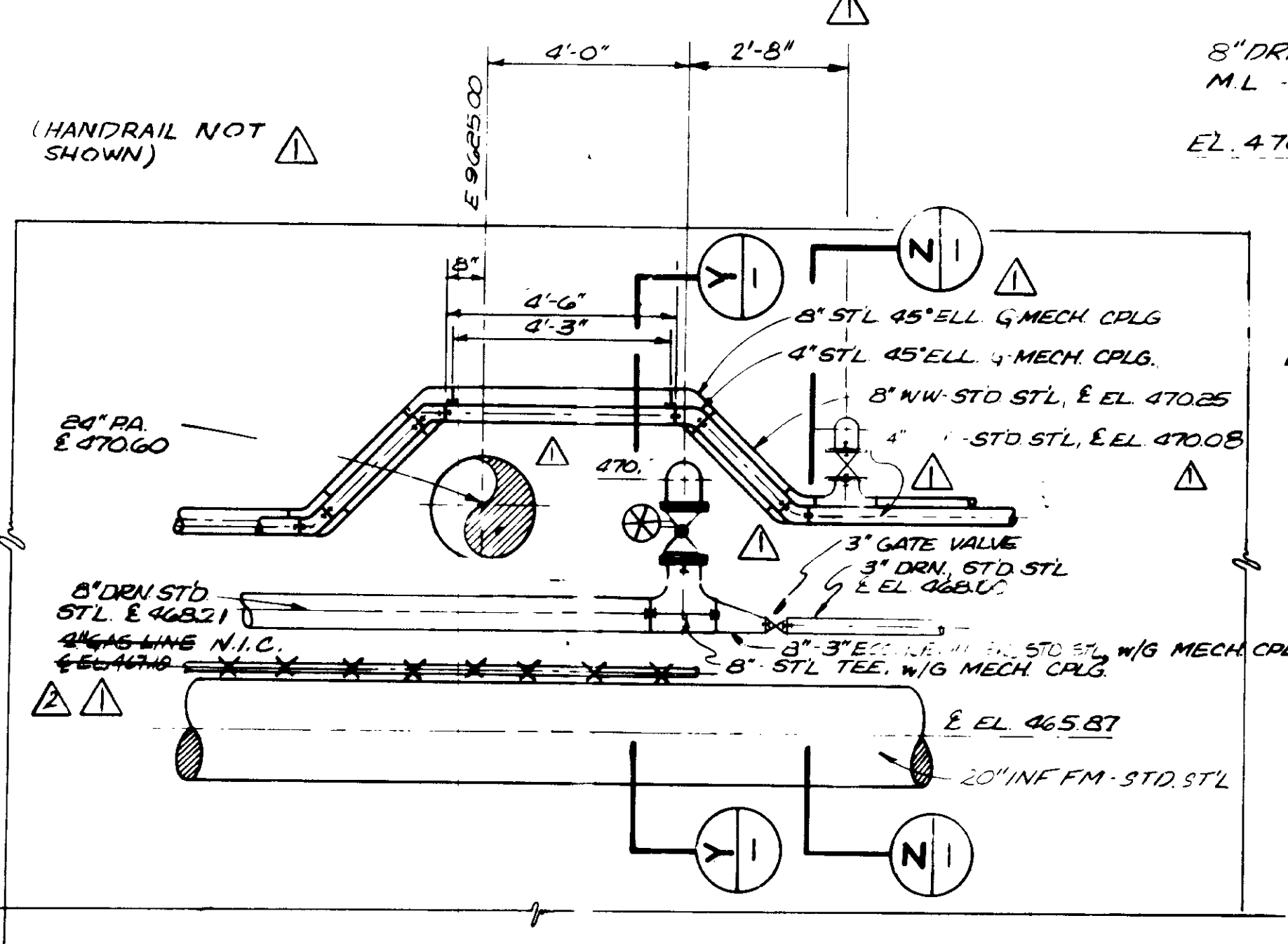
SECTION W
3/8" = 1'-0"

NOTE: SPACE FOR ELEC'L CONDUITS NOT SHOWN FOR CLARITY. SEE SECTION A, THIS SHT. FOR TYPICAL LOCATION.

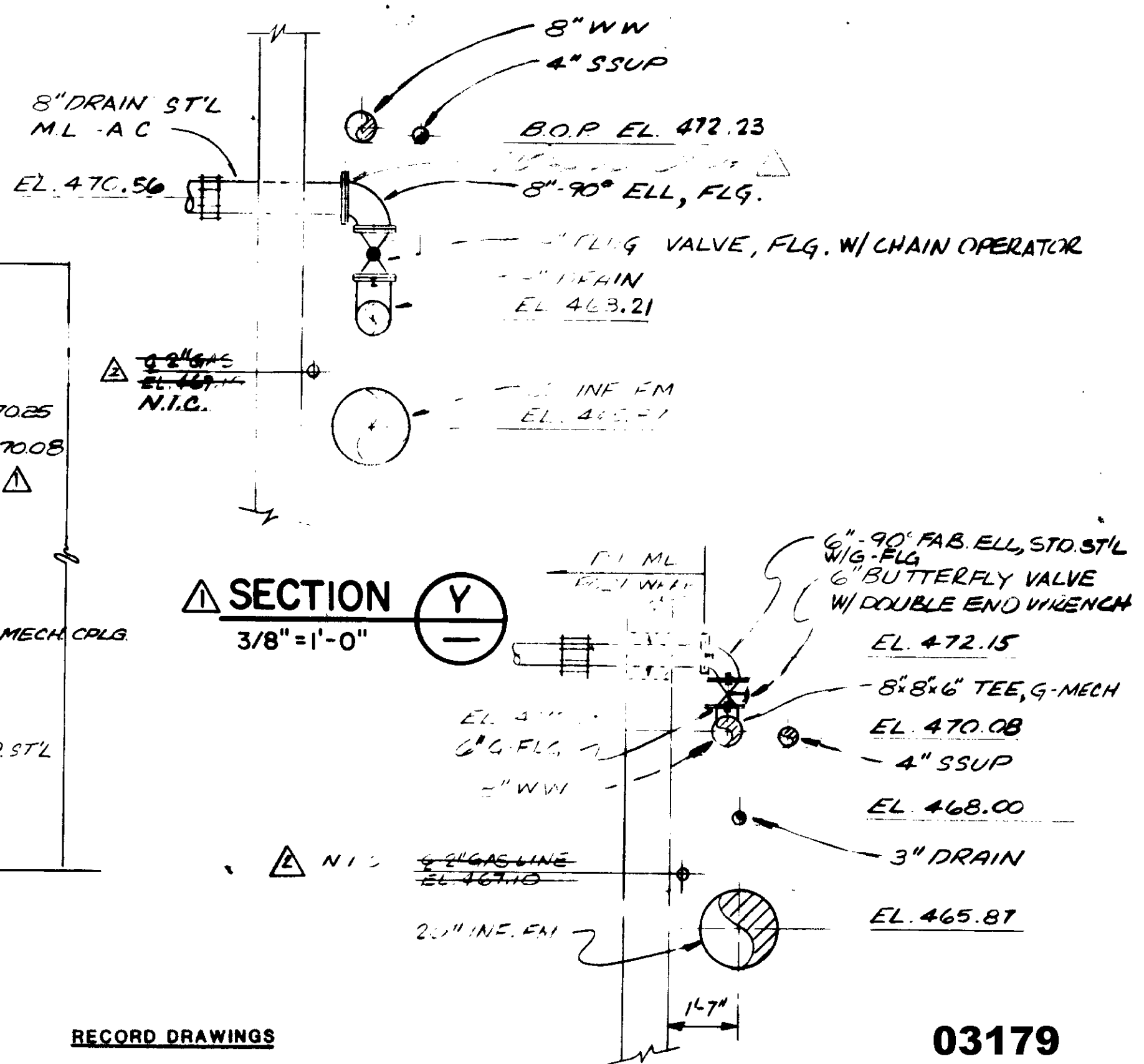
NOTE: ELECTRICAL CONDUITS / SUPPORT STRUCTURES ABOVE PIPING NOT SHOWN FOR CLARITY.



SECTION A
3/8" = 1'-0"



SECTION X
3/8" = 1'-0"



SECTION Y
3/8" = 1'-0"

SECTION Z
3/8" = 1'-0"

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS
RCE 14038
March 1985

03179
PCH-C5-18

REV	DATE	BY	DESCRIPTION
1	9-20-80	Y.K.	CONSTRUCTION REV PART 2
2	1-6-80	Y.K.	MODIFICATION & ADD.

SCALE:
AS NOTED

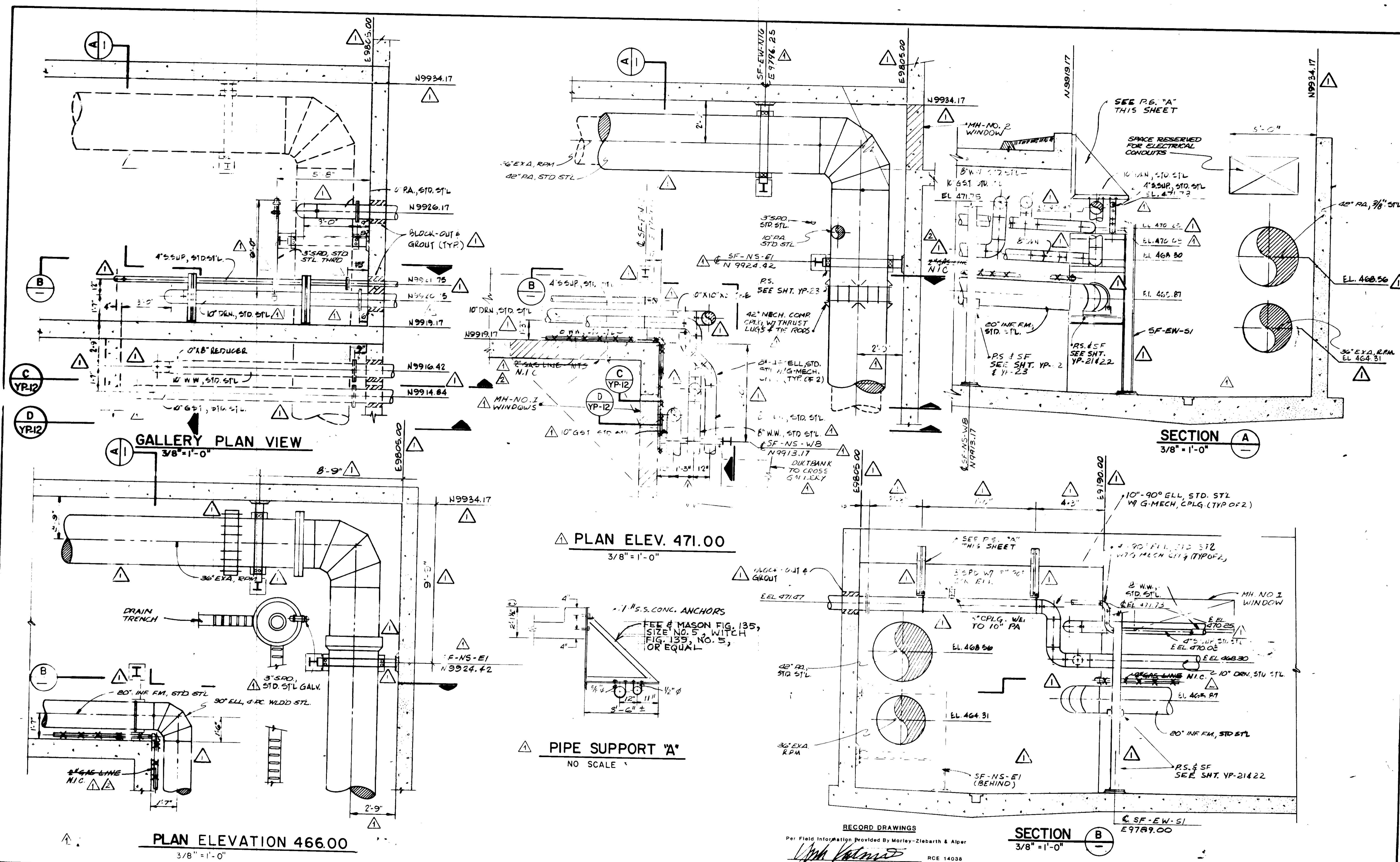
DESIGNED: J.K. / Y.S.
DRAWN: Y. KATSURA
CHECKED: Y. KATSURA

SUBMITTED: 14038
PROJECT MANAGER: R.C.E. NO. DATE
PROJECT ADMINISTRATOR: 14864 1-17
R.C.E. NO. DATE

JKK CONSULTING ENGINEERS
A JOINT VENTURE
8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 833-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
GALLERY PLAN DETAILS AND SECTIONS III

SHEET
YP-10



REV	DATE	BY	DESCRIPTION
1	12-90	Y.K.	COASTAL COMM. REV. PART 2
2	1-80	Y.K.	MODIFICATION & ADD.

SCALE :	JRH	SUBMITTED	
AS NOTED	DESIGNED	14038	
	IS	PROJECT MANAGER	R.C.E. NO. DATE
	DRAWN		
	CHECKED	14894	11-79
		PROJECT ADMINISTRATOR	R.C.E. NO. DATE

RECORD DRAWINGS
 Per Field Information Provided by Morley-Ziebarth & Alper
Y.K. Katsura
 KATSURA CONSULTING ENGINEERS RCE 14038
 March 1985

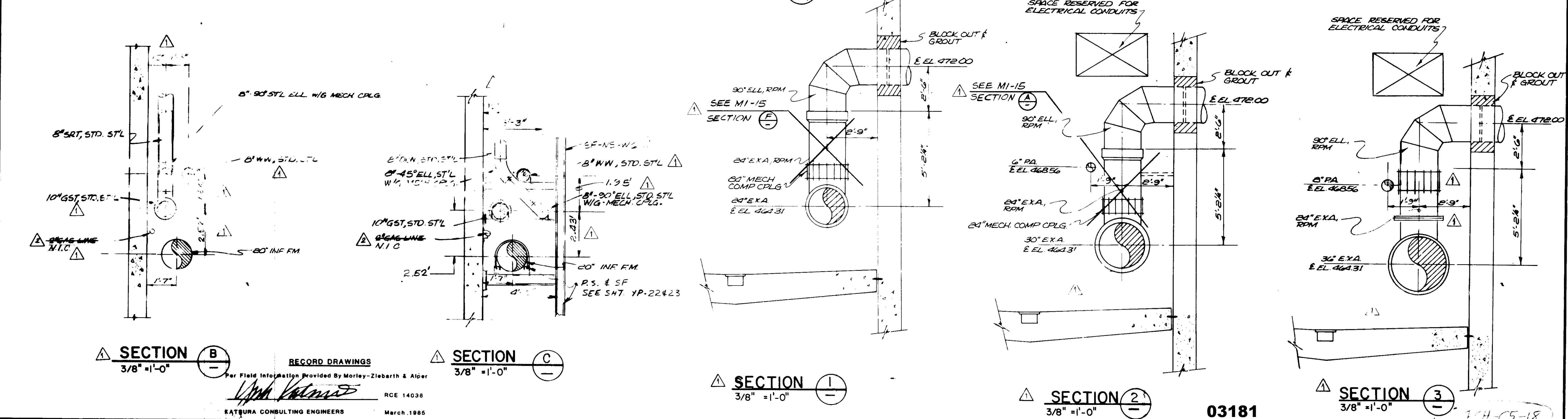
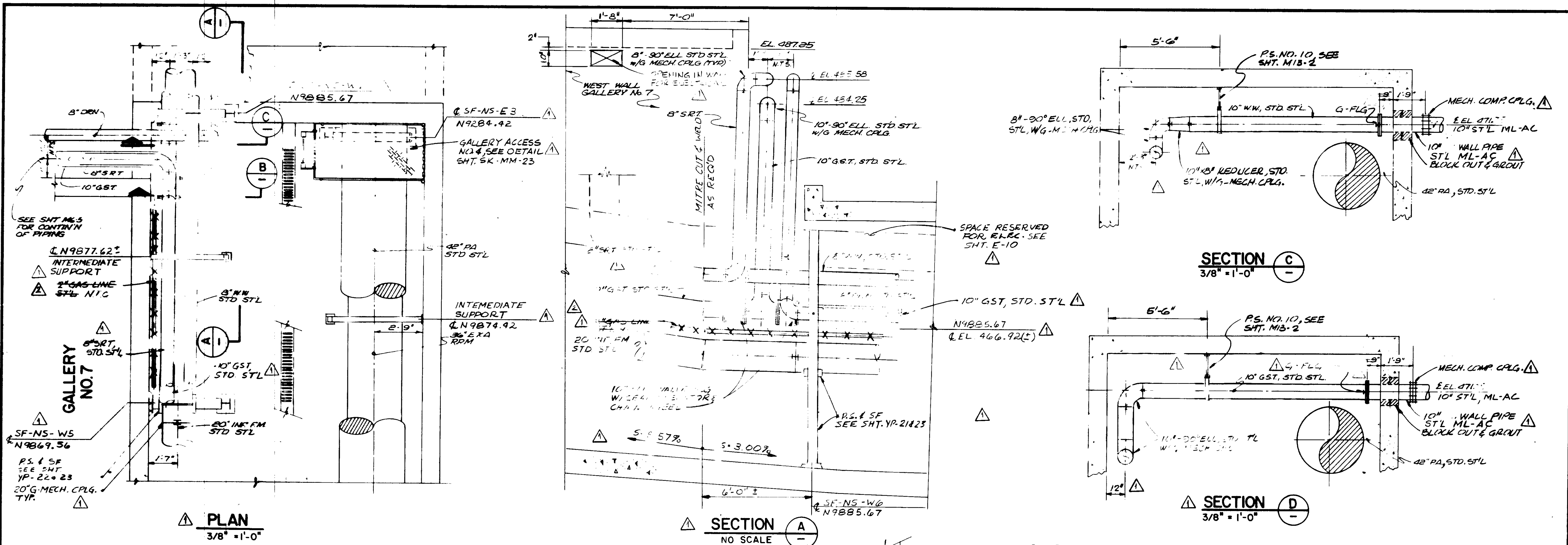
JKS CONSULTING ENGINEERS
 A JOINT VENTURE
 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 933-9117

03180

LAS VIRGENES MUNICIPAL WATER DISTRICT
 SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.

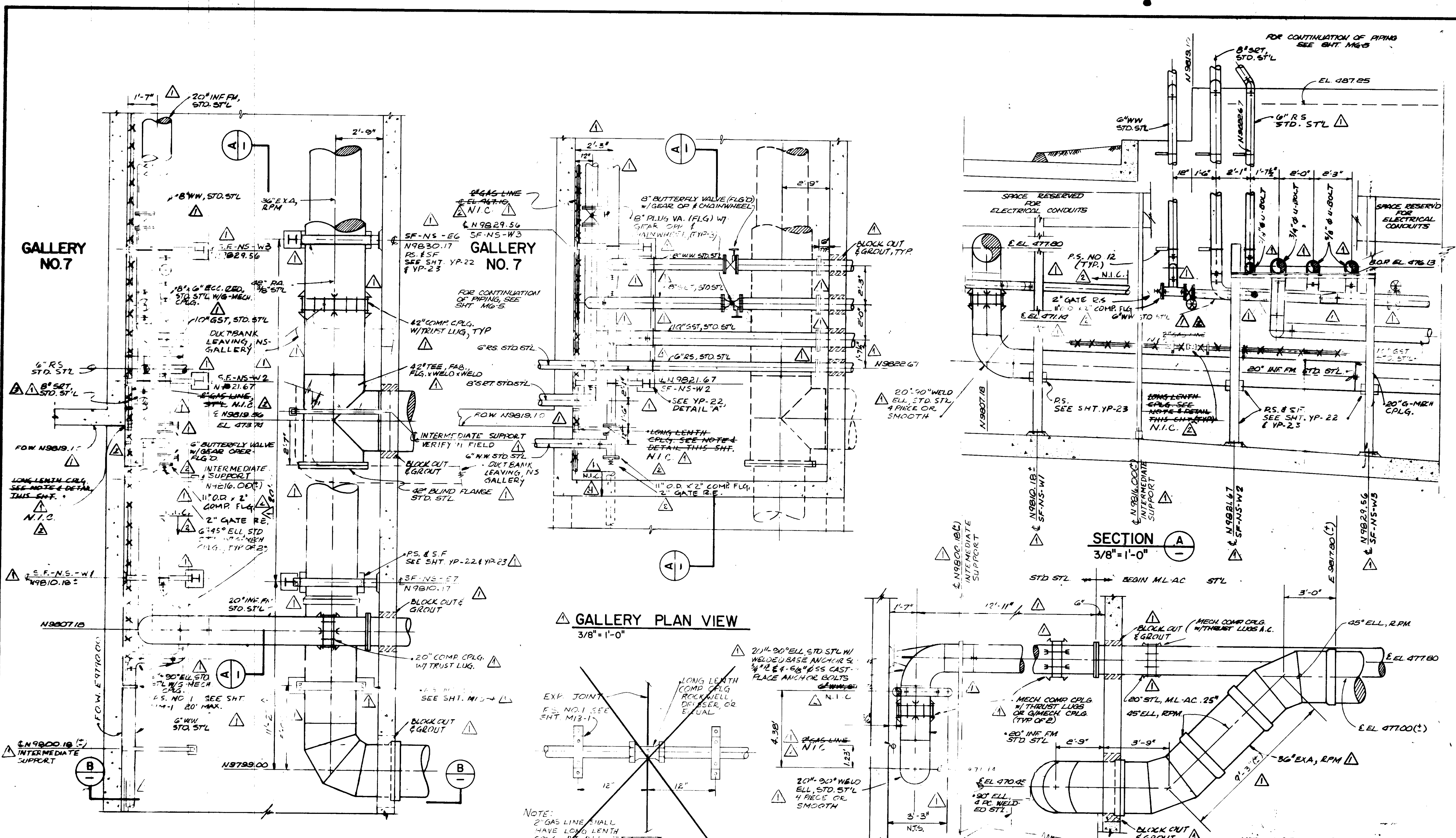
GALLERY PLAN DETAILS AND SECTIONS IV

SHEET
 YP-II



RECORD DRAWINGS
Per Field Information Provided by Morley-Ziebarth & Alper
[Signature]
RCE 14038
KATSUMA CONSULTING ENGINEERS March 1985

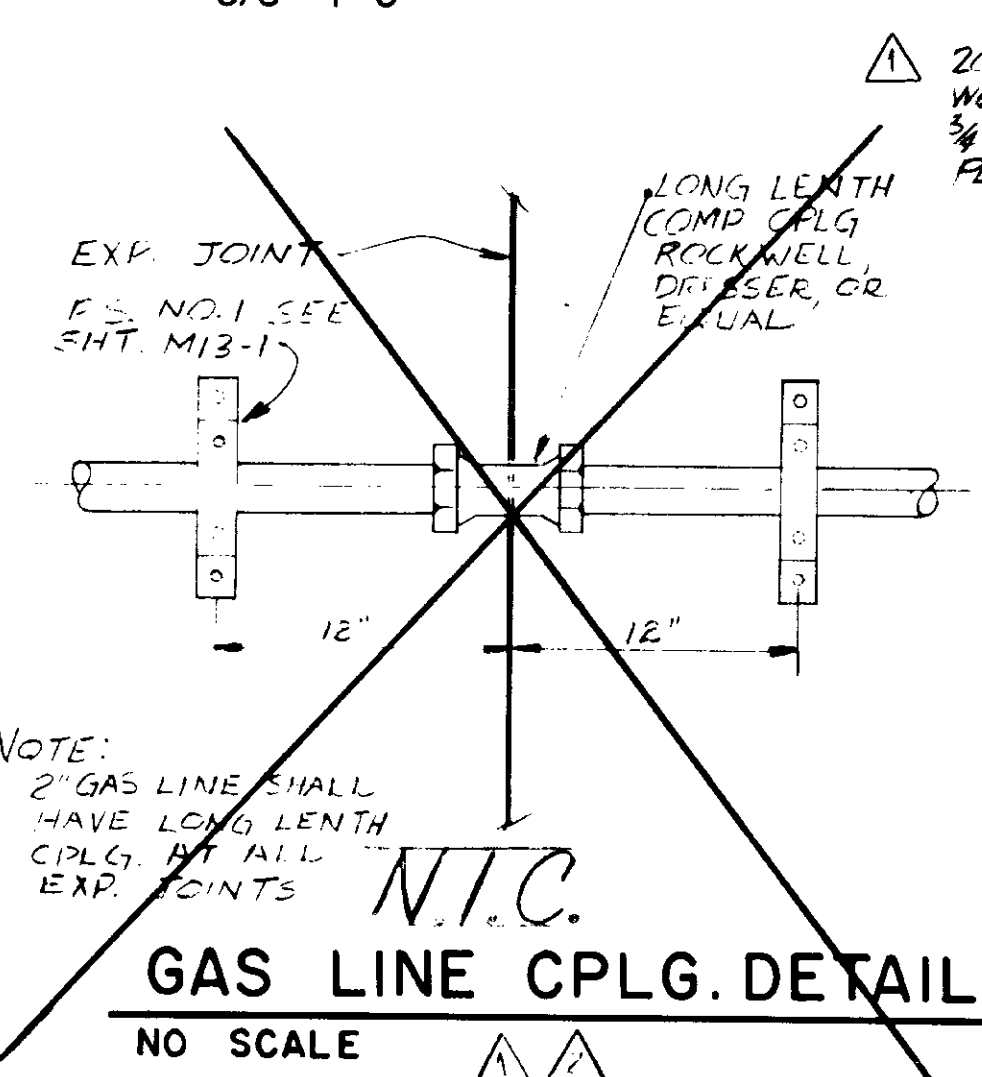
REV	DATE	BY	DESCRIPTION	SCALE :	DESIGNED	DRAWN	CHECKED	SUBMITTED	PROJECT MANAGER	PROJECT ADMINISTRATOR	14038	R.C.E. NO.	DATE	14038	R.C.E. NO.	DATE	CONSULTING ENGINEERS	6601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016	(213) 933-9117	LAS VIRGENES MUNICIPAL WATER DISTRICT	SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.	GALLERY PLAN DETAILS AND SECTIONS V	SHEET	YP-12
				AS NOTED	J.K.	J.K.																		



GALLERY NO.7

GALLERY NO.7

GALLERY PLAN VIEW
3/8" = 1'-0"



SECTION A
3/8" = 1'-0"

SECTION B
3/8" = 1'-0"

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
RCE 14038
KATSURA CONSULTING ENGINEERS
March 1986

PLAN ELEVATION 479.00
3/8" = 1'-0"

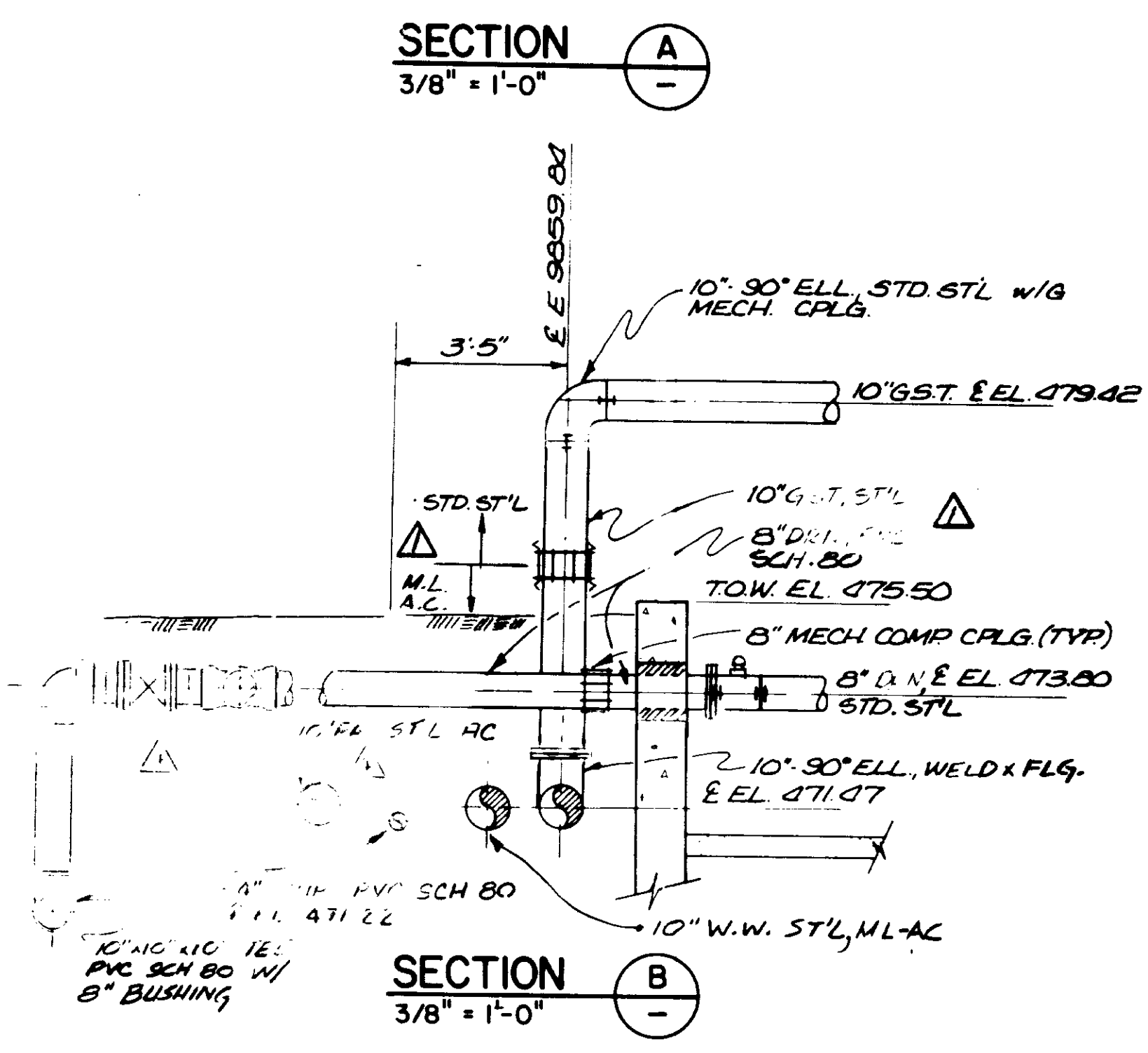
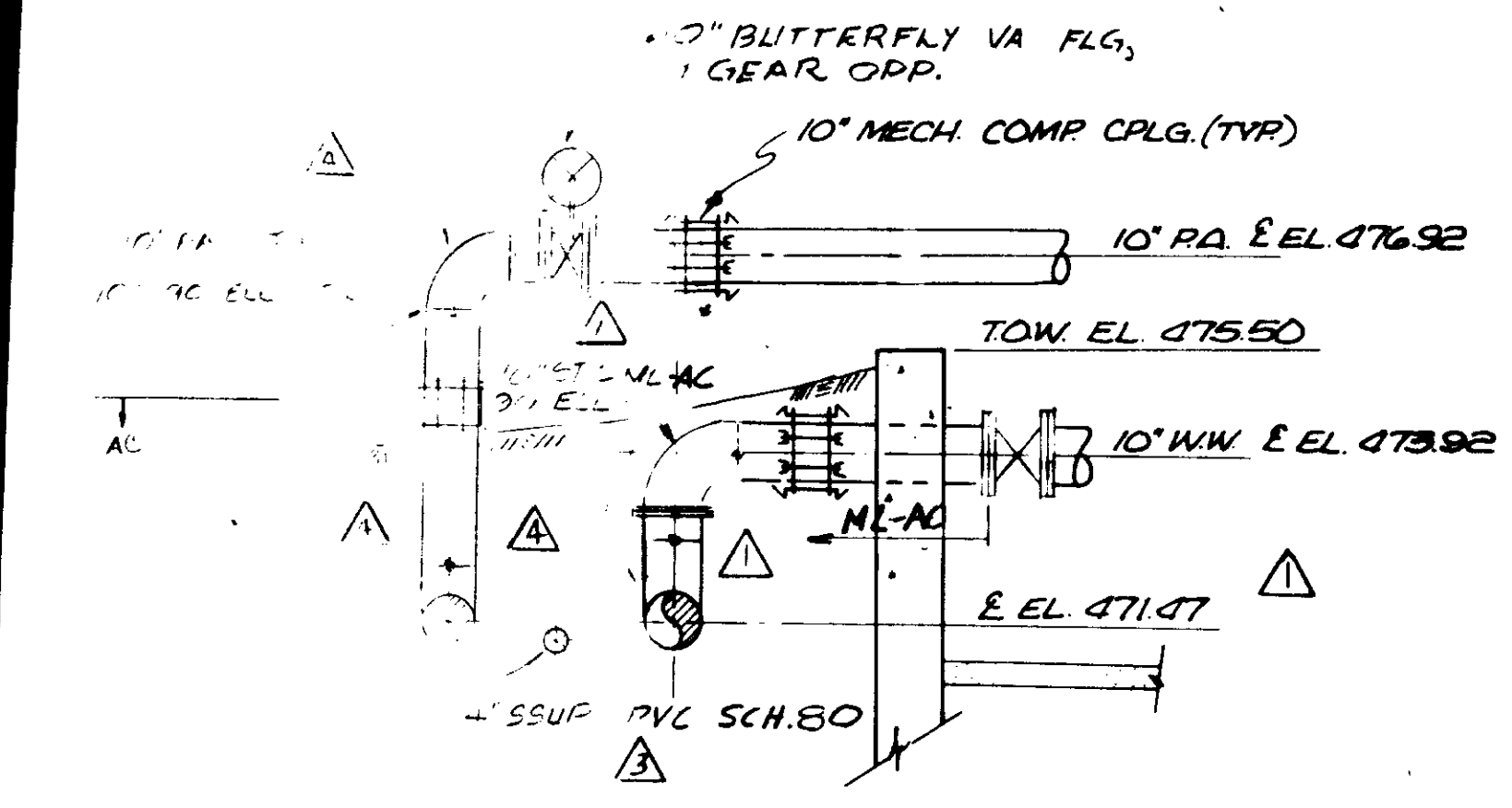
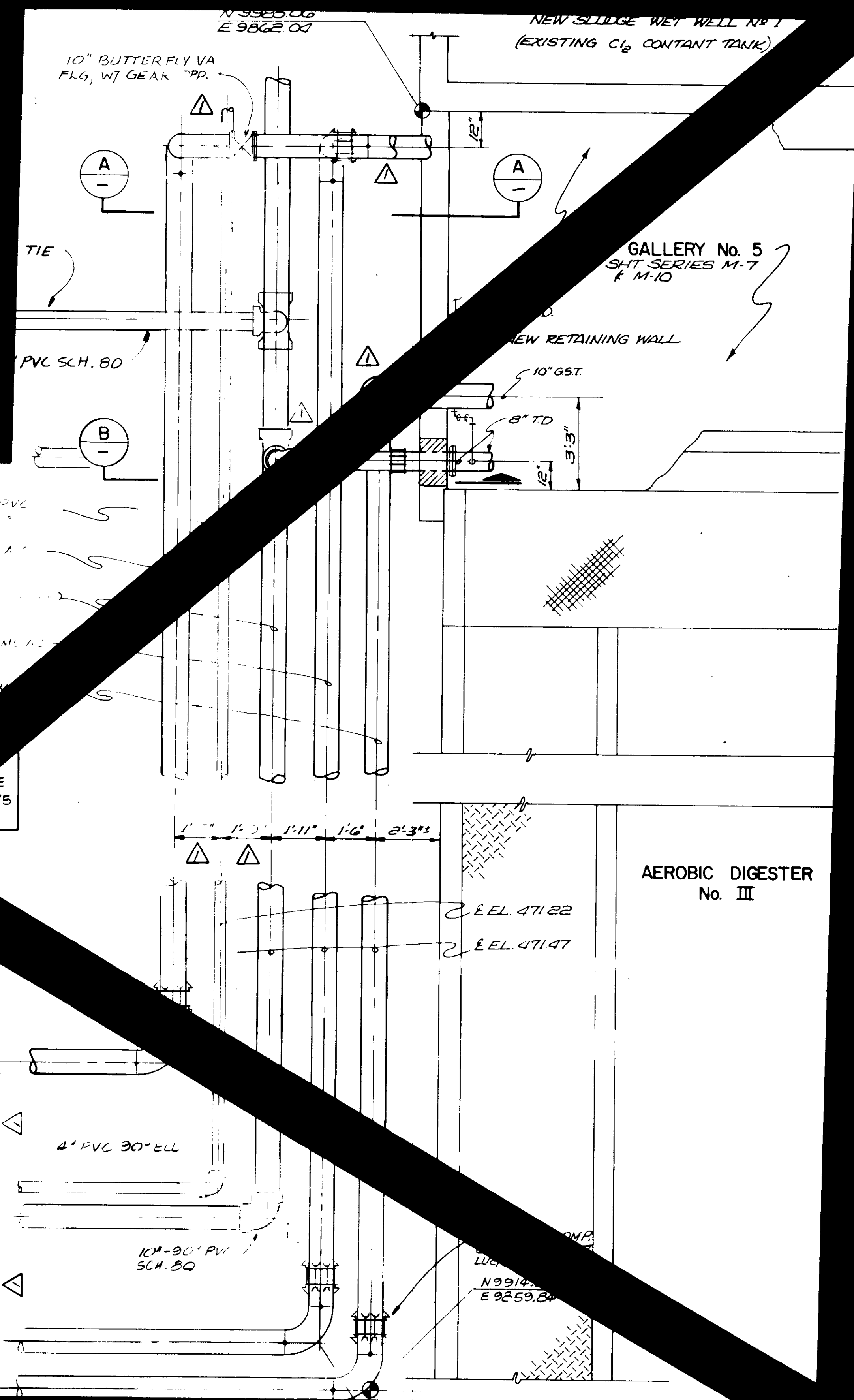
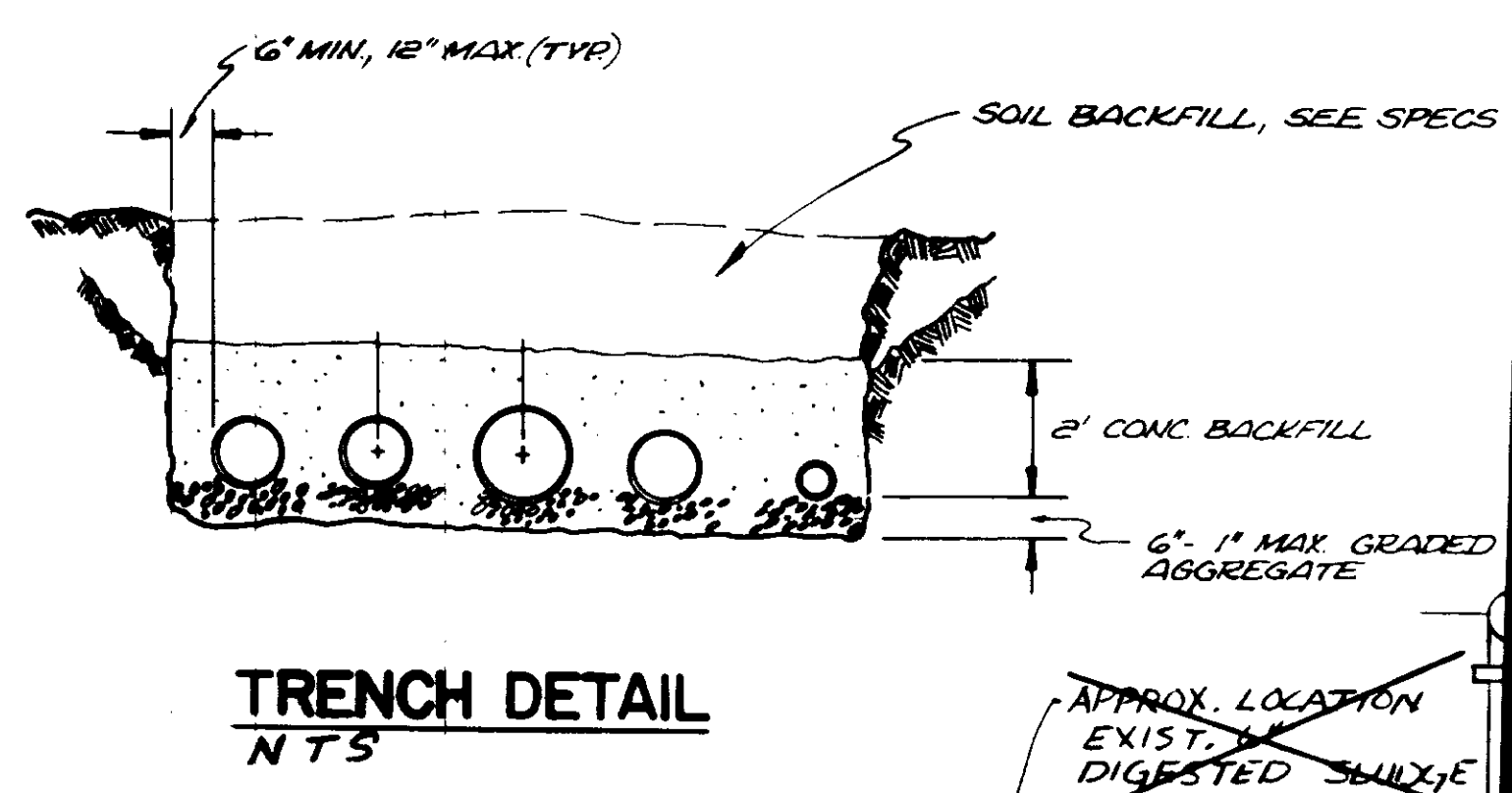
GAS LINE CPLG. DETAIL
NO SCALE

REV	DATE	BY	DESCRIPTION
1	1-6-80	Y.K.	MODIFICATION & ADD.
2	2-1-80	Y.K.	COASTAL COMM. REV. PART 2
3	2-1-80	Y.K.	CLARIFICATION

SCALE:	AS NOTED
DESIGNED:	JAH
DRAWN:	Y.KATSURA 1-6-80
CHECKED:	
SUBMITTED:	14038 11-6-79
PROJECT MANAGER:	R.C.E. NO. DATE
PROJECT ADMINISTRATOR:	14884 11-5-79
	R.C.E. NO. DATE

JKS CONSULTING ENGINEERS
A JOINT VENTURE
5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 933-1117

03182
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
SHEET YP-13
Sht. 14 of 19



FOR CONTINUATION - SEE SKT YP-11

SEE SK YP-14A

RECORD DRAWINGS

Per Field Information Provided by Morley-Ziebarth & Alber

[Signature]
RCE 14038
KATSURA CONSULTING ENGINEERS March 1985

03183

YCH-05-18

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.

YARD PIPING DETAILS I

SHEET
YP-14

REV	DATE	BY	DESCRIPTION
1	3/27/81	Y.K.	COSTAL COMIT REV PART 2
2	3/27/81	Y.K.	CLARIFICATION
3	3/27/81	Y.K.	VOID SEE SKETCH SKYP-14A
4	1-6-80	Y.K.	MODIFICATION & ADD.

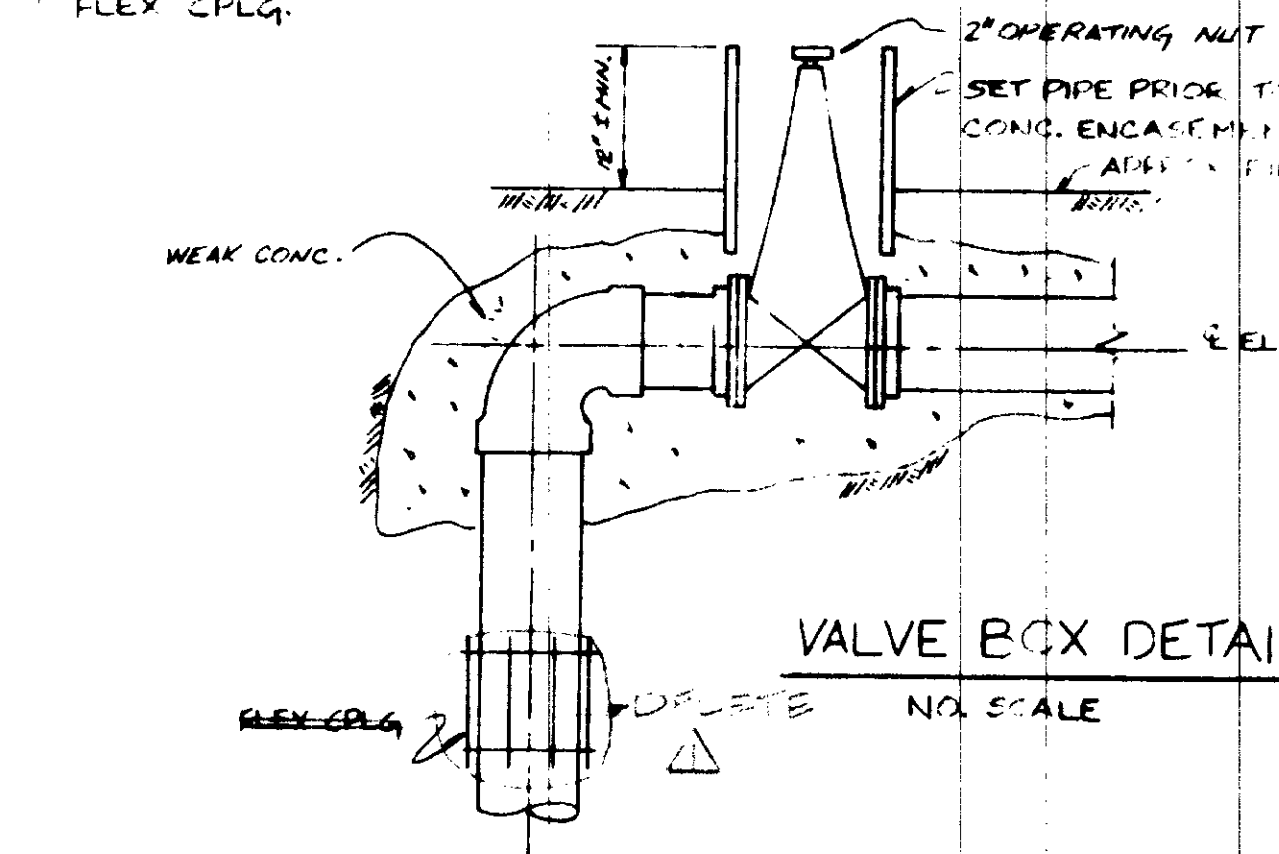
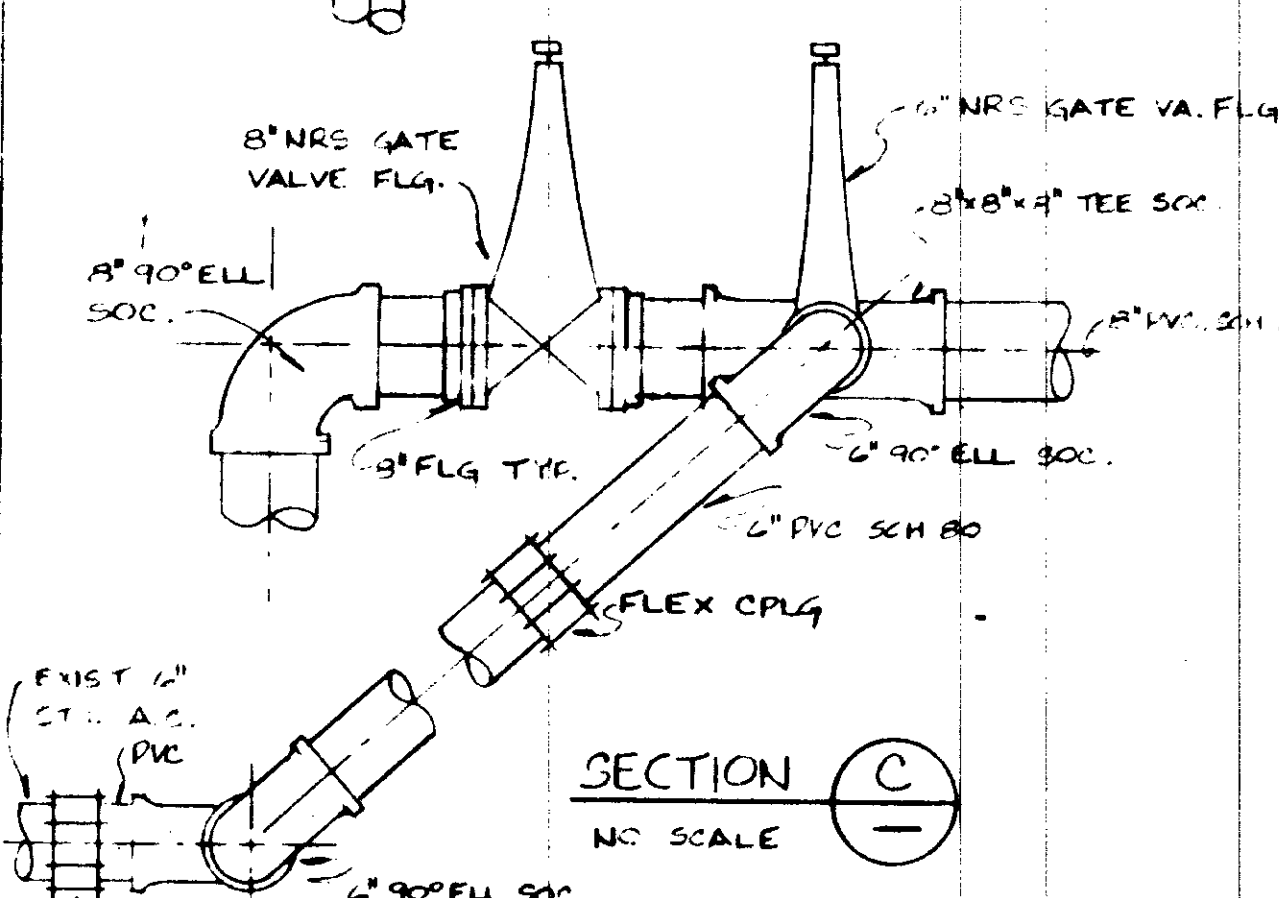
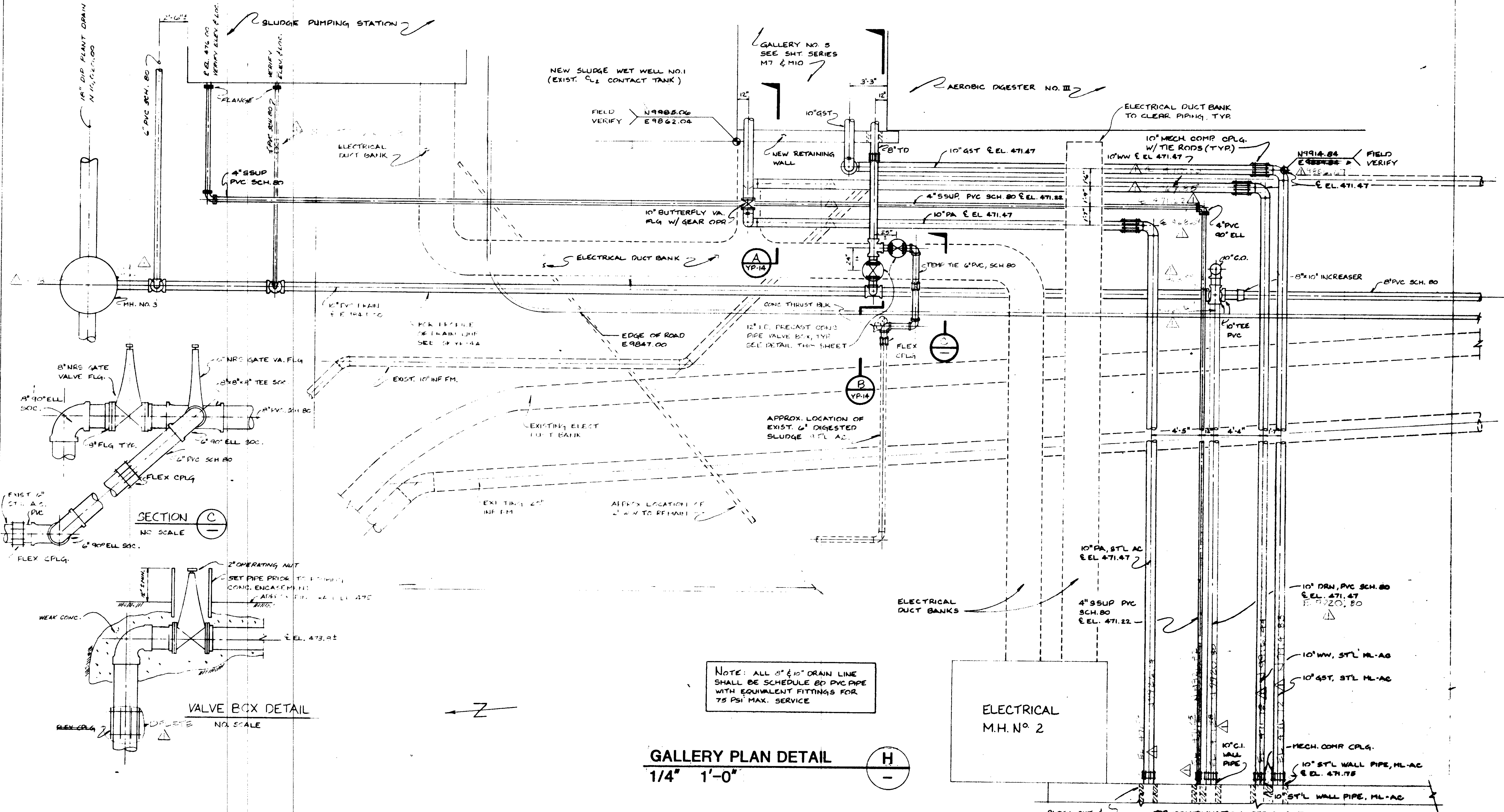
SCALE :
AS NOTED

JAH
DESIGNED
JL / JS
DRAWN
CHECKED

SUBMITTED 14038
PROJECT MANAGER R.C.E. NO. DATE
PROJECT ADMINISTRATOR 14894 R.C.E. NO. DATE

JKS CONSULTING ENGINEERS
A JOINT VENTURE
5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

N 1/2 000.00



NOTE: ALL 8\"/>

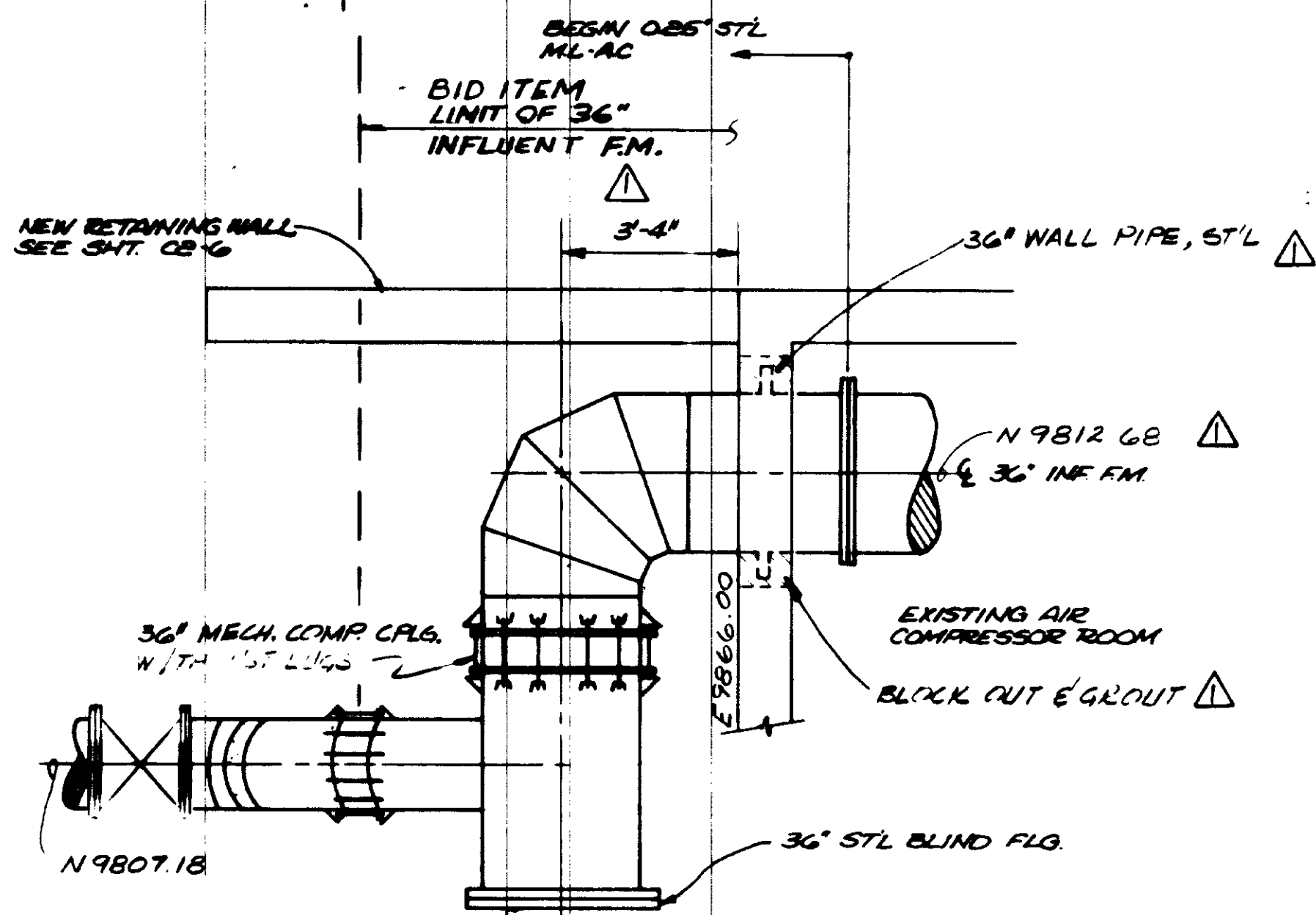
GALLERY PLAN DETAIL
1/4\"/>

RECORD DRAWINGS
Per Field Information Provided by Morley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS
RCE 14038
March 1985

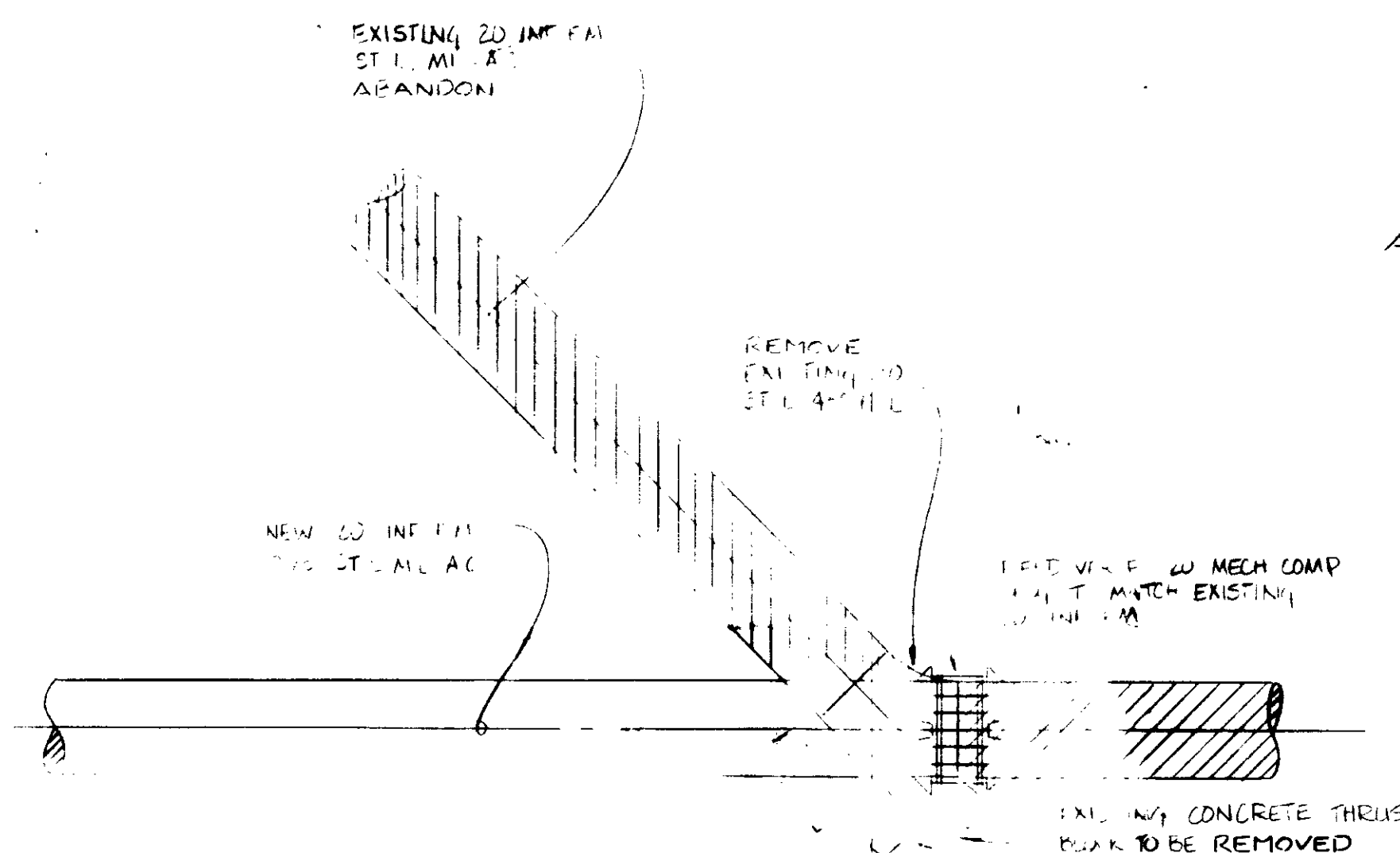
ELECTRICAL
M.H. NO. 2

03184

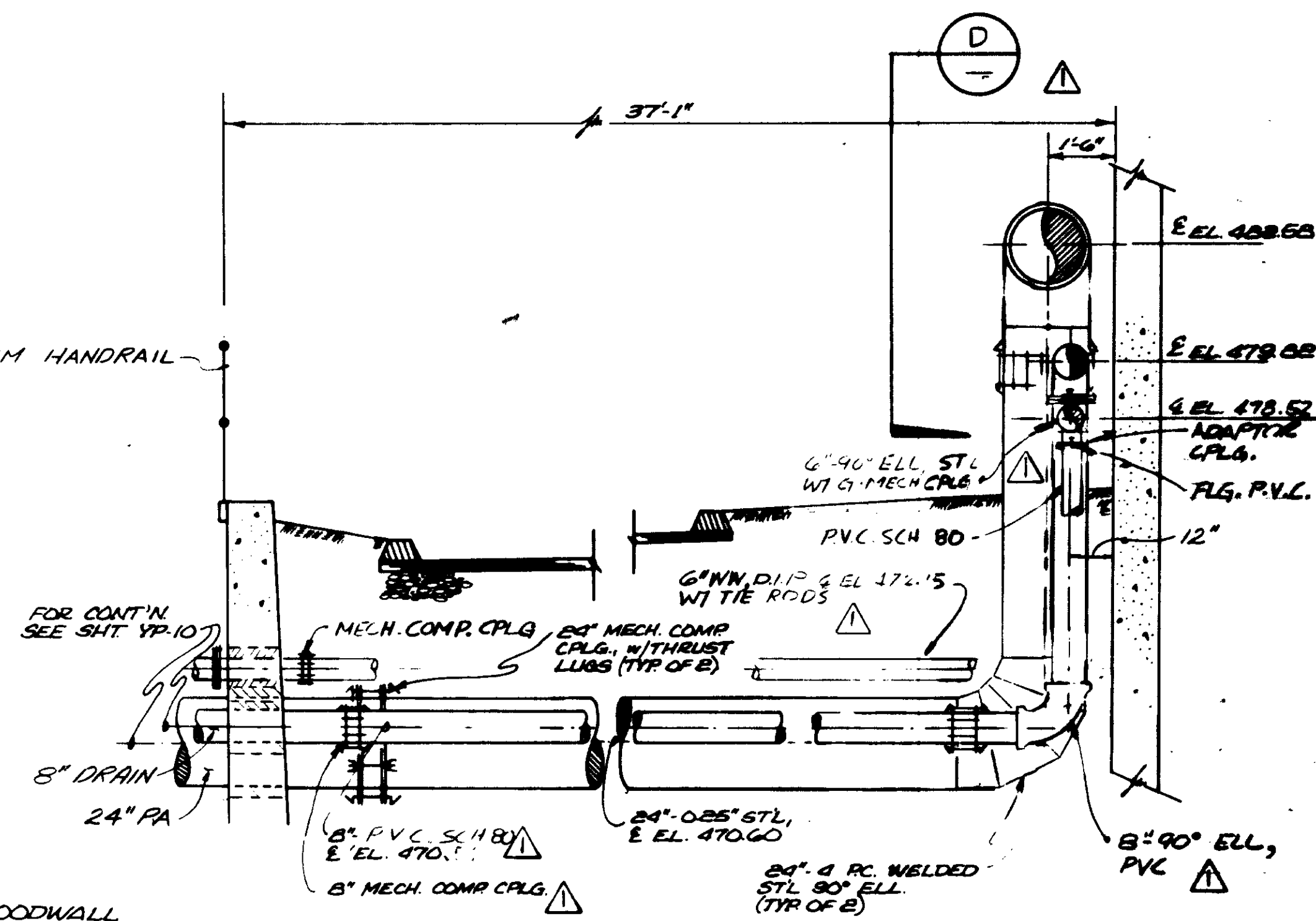
NOTE: CONSTRUCT CONNECTION AFTER COMPLETION AND ACCEPTANCE OF NEW 20" INF. FM AND INF. P.S.



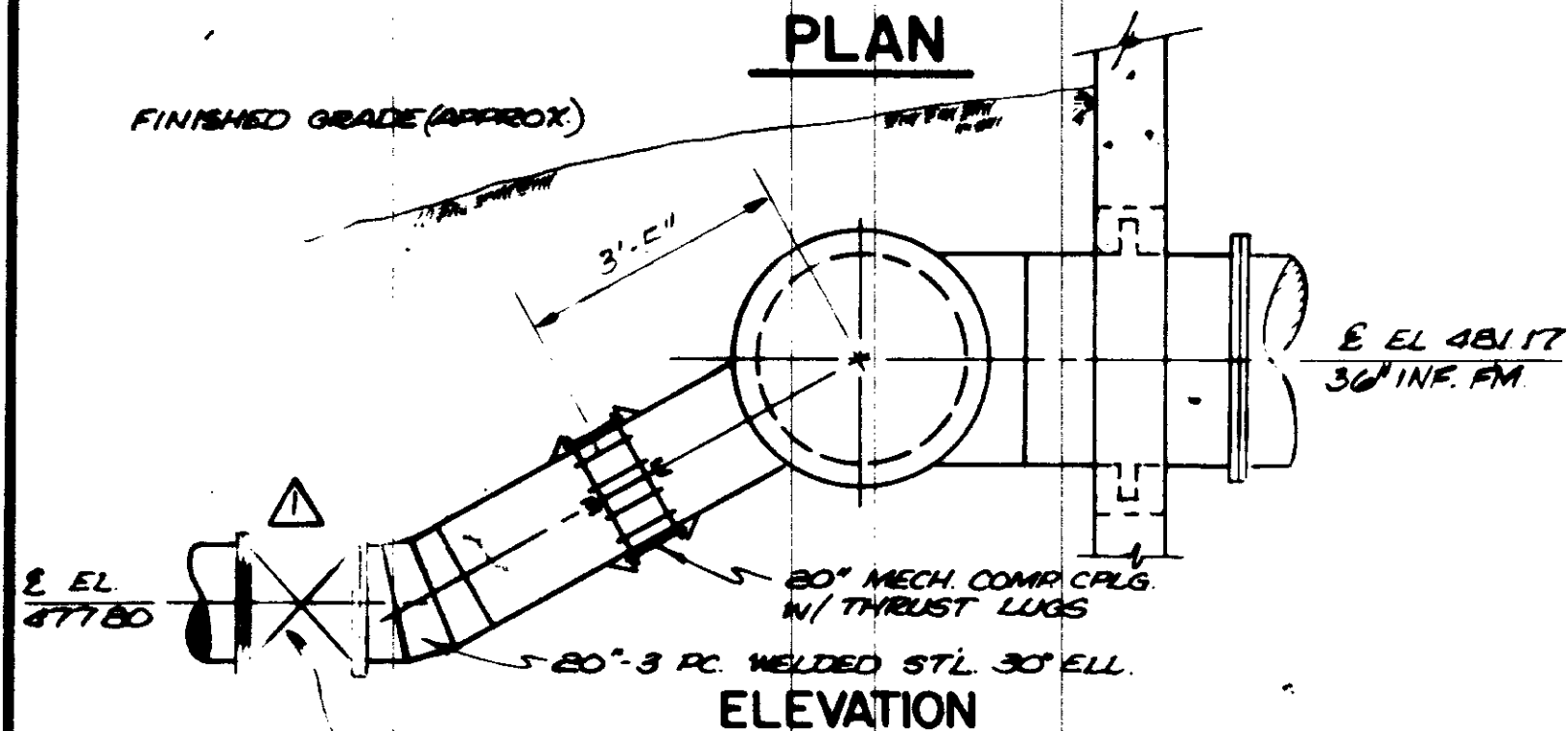
PLAN



INFLUENT F.M. CONNECTION DETAIL
3/8" = 1'-0"

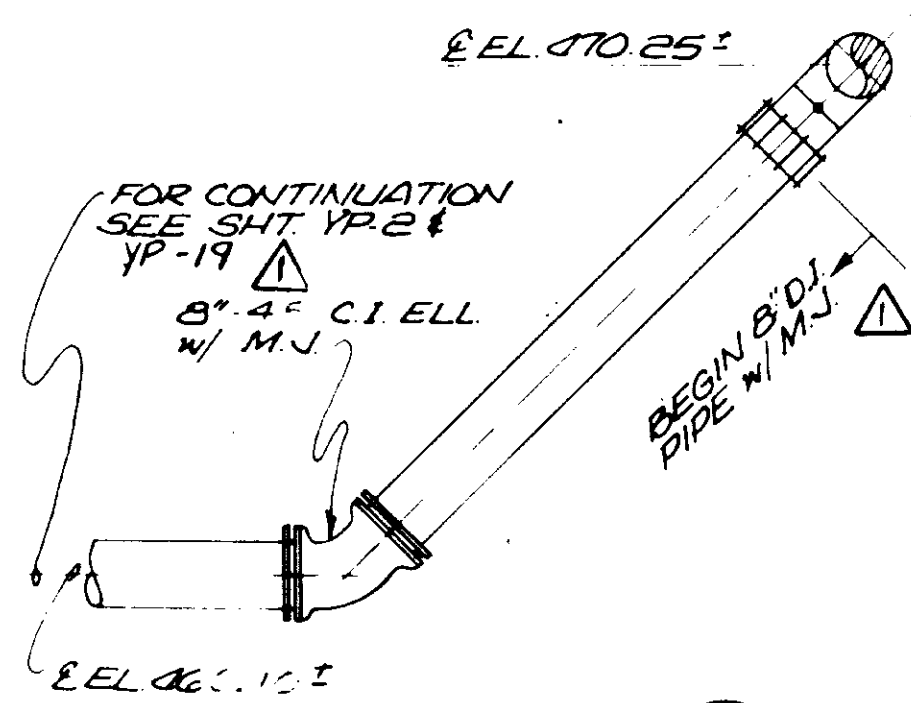


SECTION C
3/8" = 1'-0"

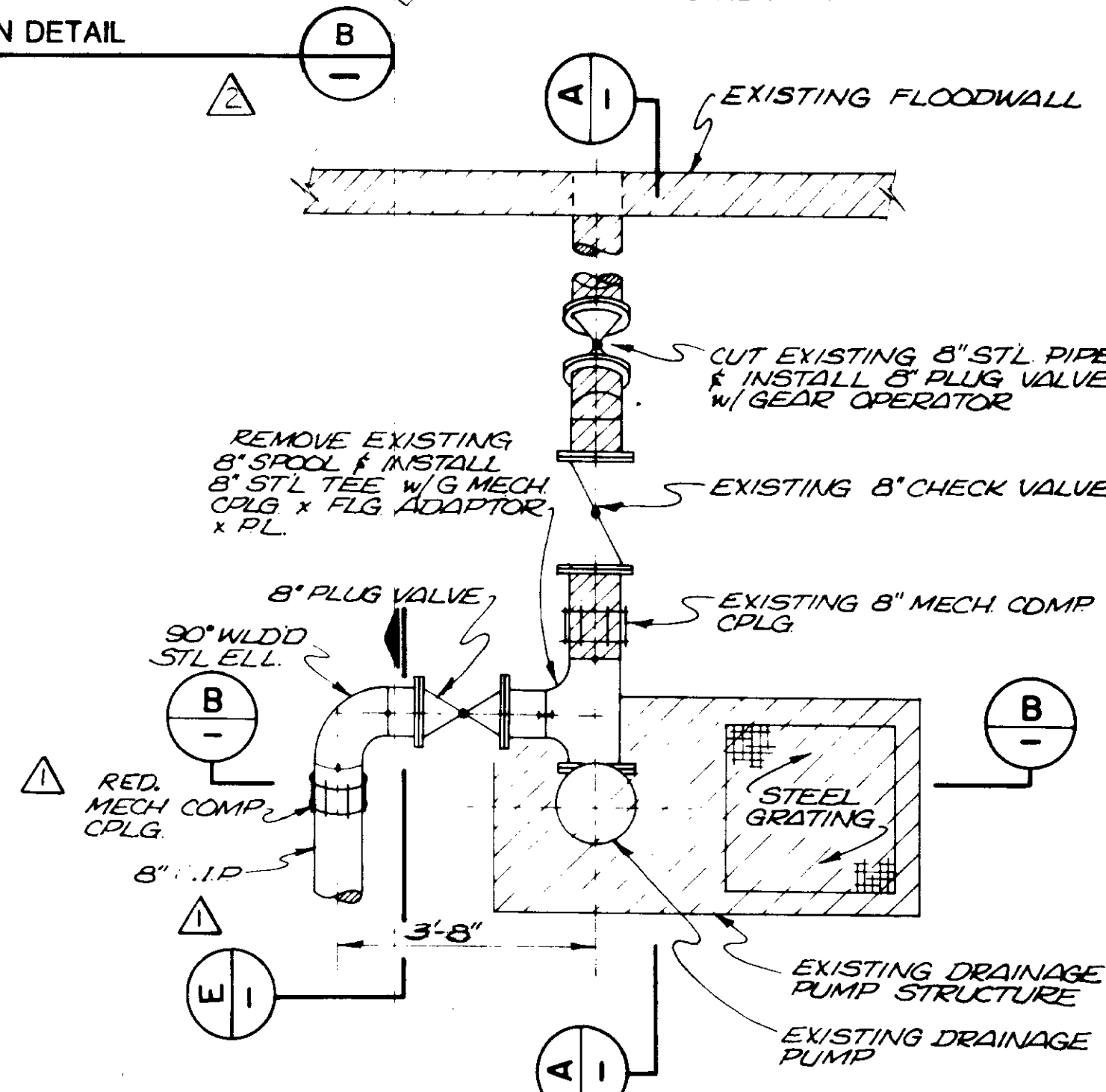


ELEVATION

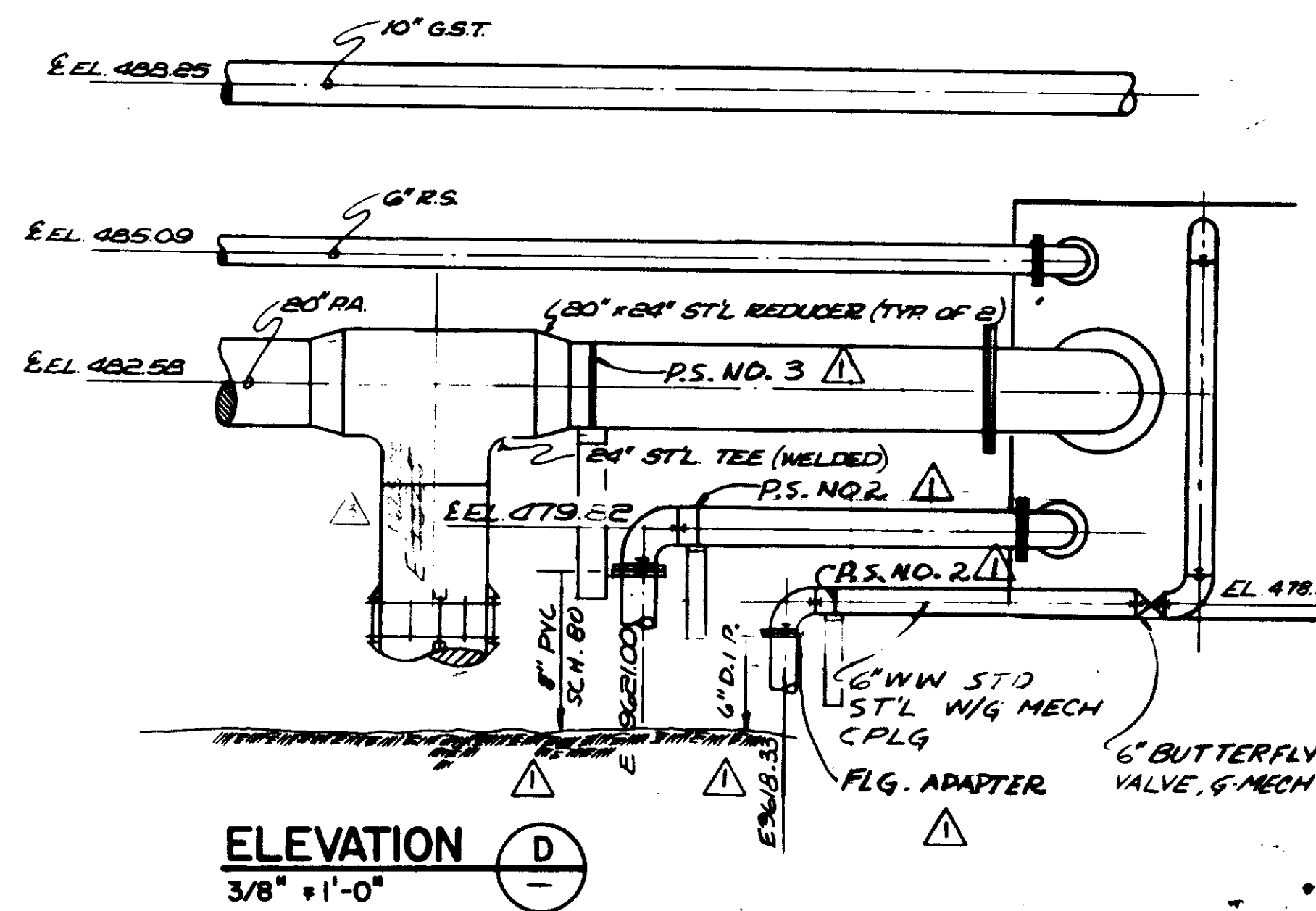
INFLUENT F.M. CONNECTION DETAIL
3/8" = 1'-0"



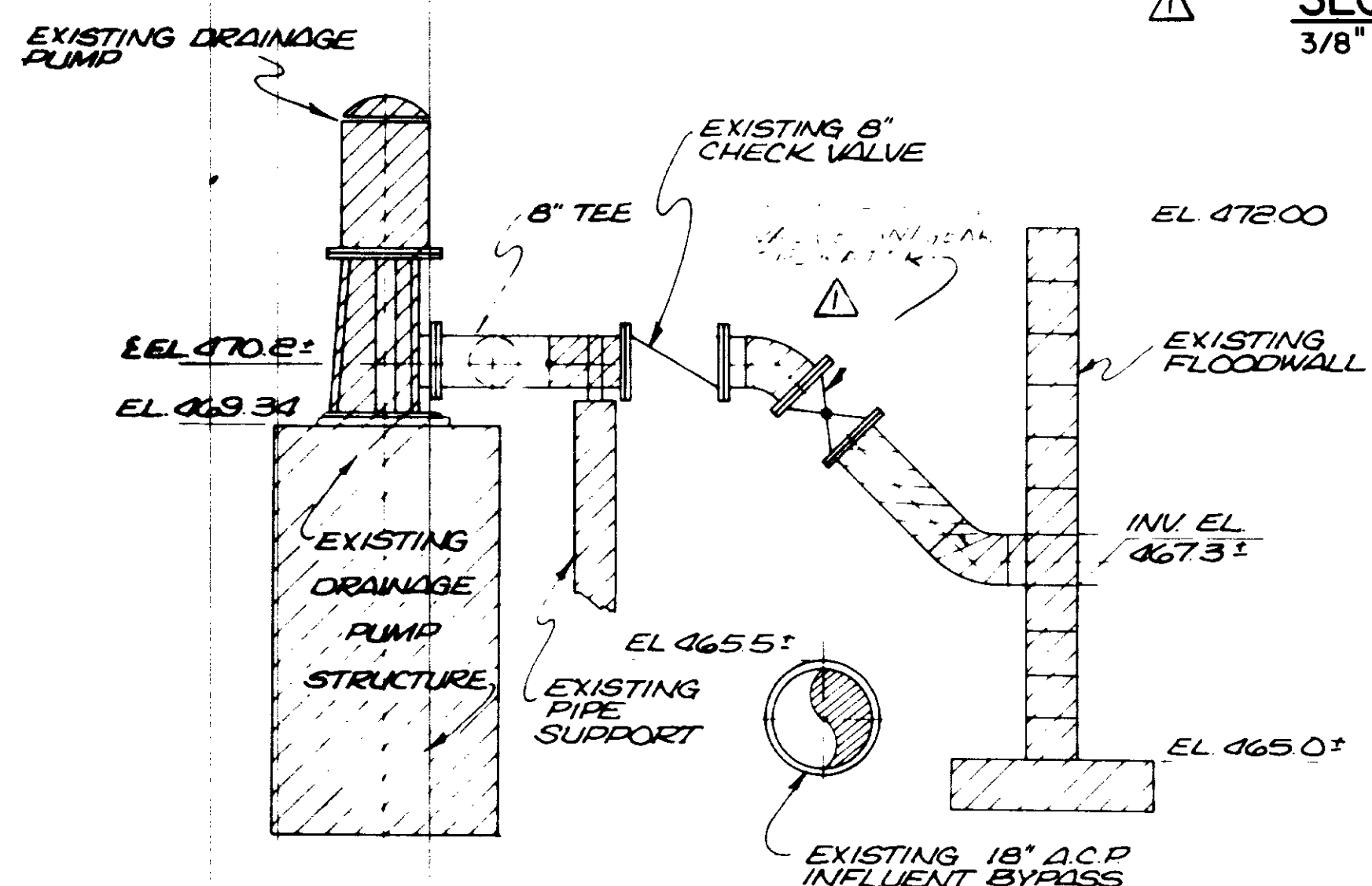
SECTION E
3/8" = 1'-0"



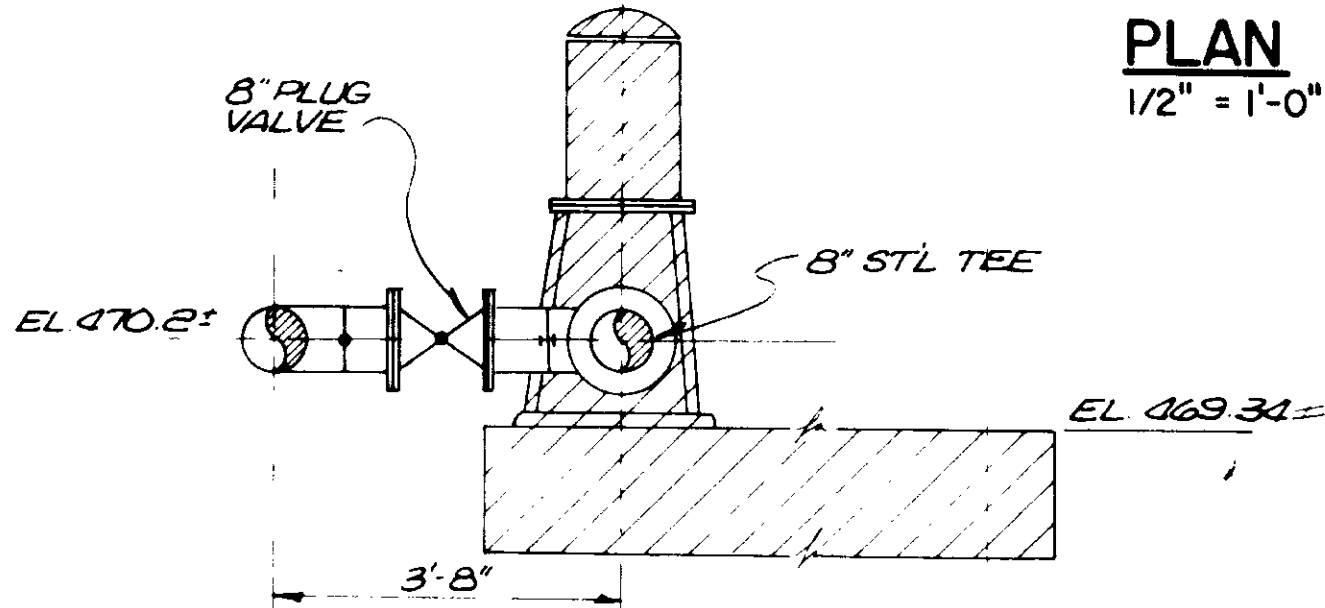
PLAN
1/2" = 1'-0"



ELEVATION D
3/8" = 1'-0"



SECTION A
1/2" = 1'-0"



SECTION B
1/2" = 1'-0"

DRAINAGE PUMP MODIFICATION DETAIL

RECORD DRAWINGS

Per Field Information Provided by Morley-Ziebarth & Alper

[Signature] RCE 14038
KATSURA CONSULTING ENGINEERS March 1985

03185

PCH-C5-18

REV	DATE	BY	DESCRIPTION
1	1-6-80	Y.K.	MODIFICATIONS & ADD.
2	1-6-80	Y.K.	MODIFICATIONS & ADD.
3	1-6-80	Y.K.	MODIFICATIONS & ADD.
4	1-6-80	Y.K.	MODIFICATIONS & ADD.

SCALE: AS NOTED

DESIGNED: JAH
DRAWN: Y. KATSURA 1-6-80
CHECKED: [Signature]

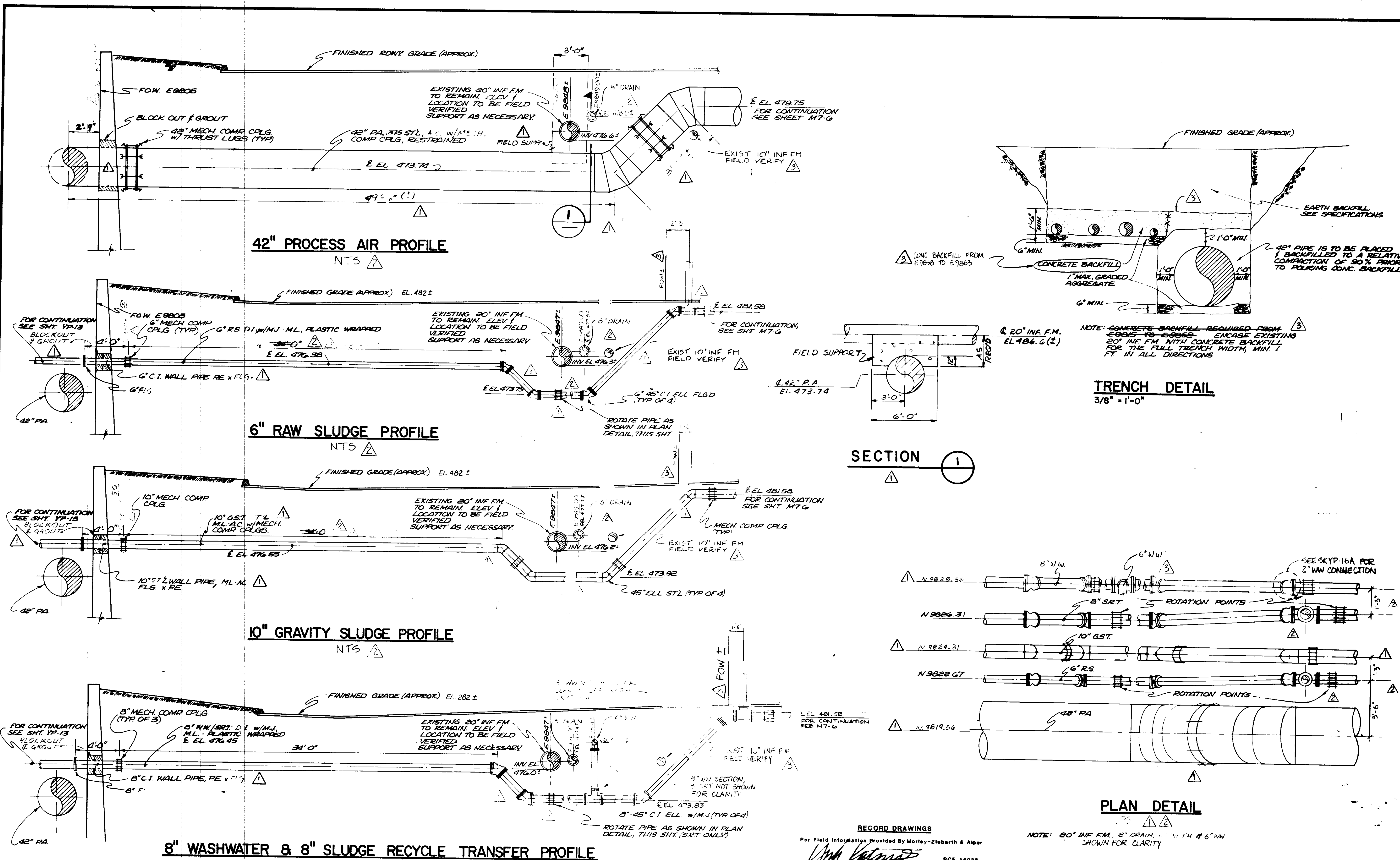
SUBMITTED: 14038
PROJECT MANAGER: [Signature] R.C.E. NO. DATE
PROJECT ADMINISTRATOR: [Signature] R.C.E. NO. DATE

JKS CONSULTING ENGINEERS
A JOINT VENTURE
5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 833-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.

SHEET YP-15

YARD PUMP DETAILS 11



REV	DATE	BY	DESCRIPTION
1	4-26-04	Y.K.	CLARIFICATION
2	3-25-04	Y.K.	COASTAL COMM REVISION PART 2
3	1-6-00	Y.K.	MODIFICATIONS & ADD.

SCALE:	AS NOTED
DESIGNED:	JAH
DRAWN:	TS
CHECKED:	
SUBMITTED:	14038
PROJECT MANAGER:	R.C.E. NO. DATE
PROJECT ADMINISTRATOR:	14894 R.C.E. NO. DATE

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
RCE 14038
KATSURA CONSULTING ENGINEERS March 1988

J&K CONSULTING ENGINEERS
A JOINT VENTURE
5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 933-9117

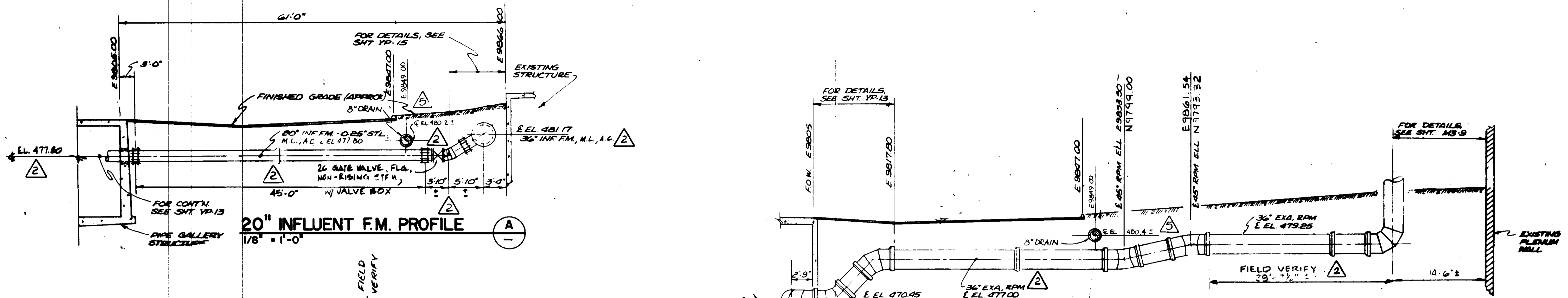
03186 PCH-C5-18

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.

YARD PIPING DETAILS III

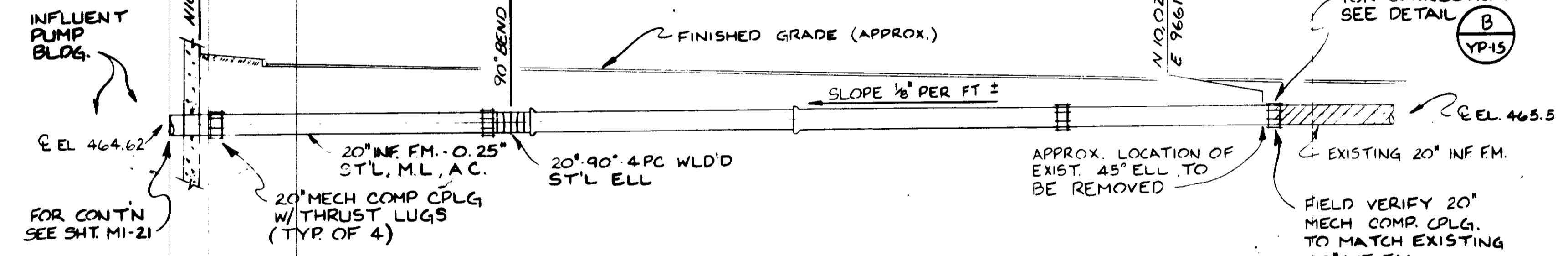
SHEET YP-16

SH. 18 OF 19

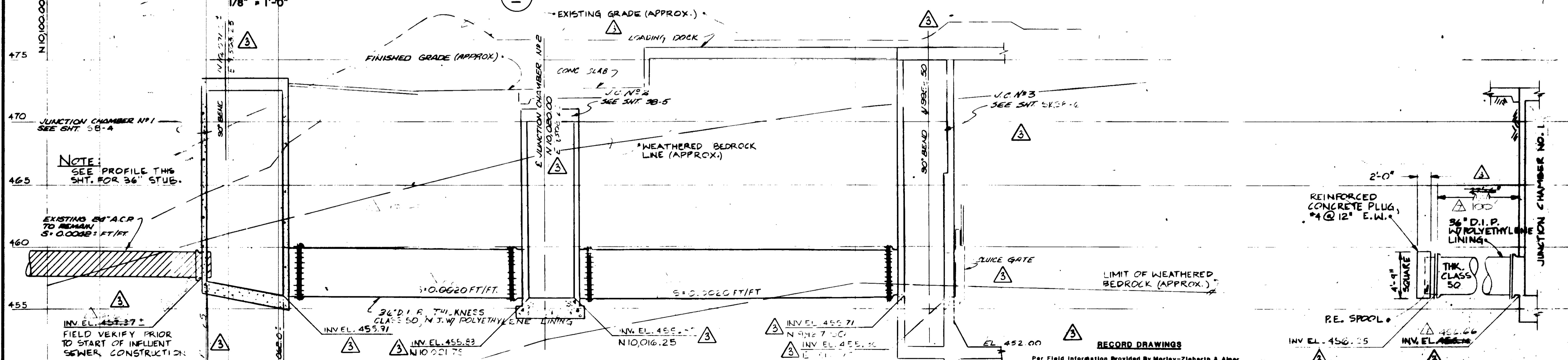


20" INFLUENT F.M. PROFILE
1/8" = 1'-0"

36" EXHAUST AIR PROFILE
1/8" = 1'-0"



INFLUENT FORCE MAIN PROFILE
1/8" = 1'-0"



INFLUENT GRAVITY SEWER PROFILE
NO SCALE

NOTE:
SEE PROFILE THIS
SHT. FOR 36" STUB.

EXISTING 24" A.C.P.
TO REMAIN
5'-0.0000' FT/FT

INV. EL. 455.37
FIELD VERIFY PRIOR
TO START OF INFLUENT
SEWER CONSTRUCTION

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

KATSURA CONSULTING ENGINEERS
RCE 14038
March 1985

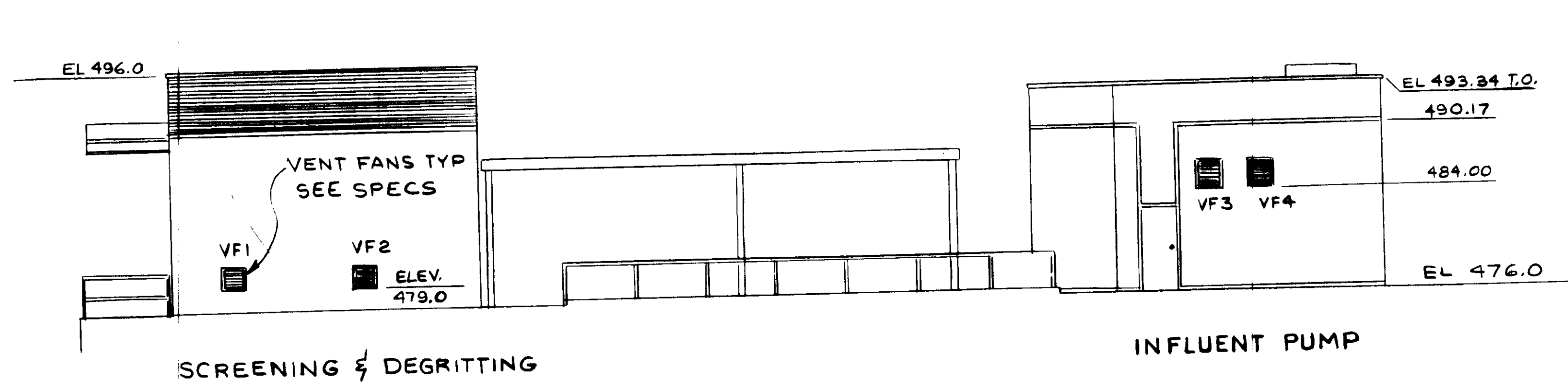
NOTE: SEE SHT. YP-20 FOR BEDDING DETAILS

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION
1	11-24-84	Y.K.	REV PER 11/24/84	1	9-4-80	Y.K.	CLARIFICATION
2	3-22-84	Y.K.	COASTAL COMM. REV. PART 1	2	9-4-80	Y.K.	COASTAL COMMISSION REV. PART 1
3	5-25-84	Y.K.	COASTAL COMM. REV. PART 2	3	2-19-79	Y.K.	CLARIFICATION/ADDITION
				4	2-19-79	Y.K.	OAK TREE PRESERV. MOD.

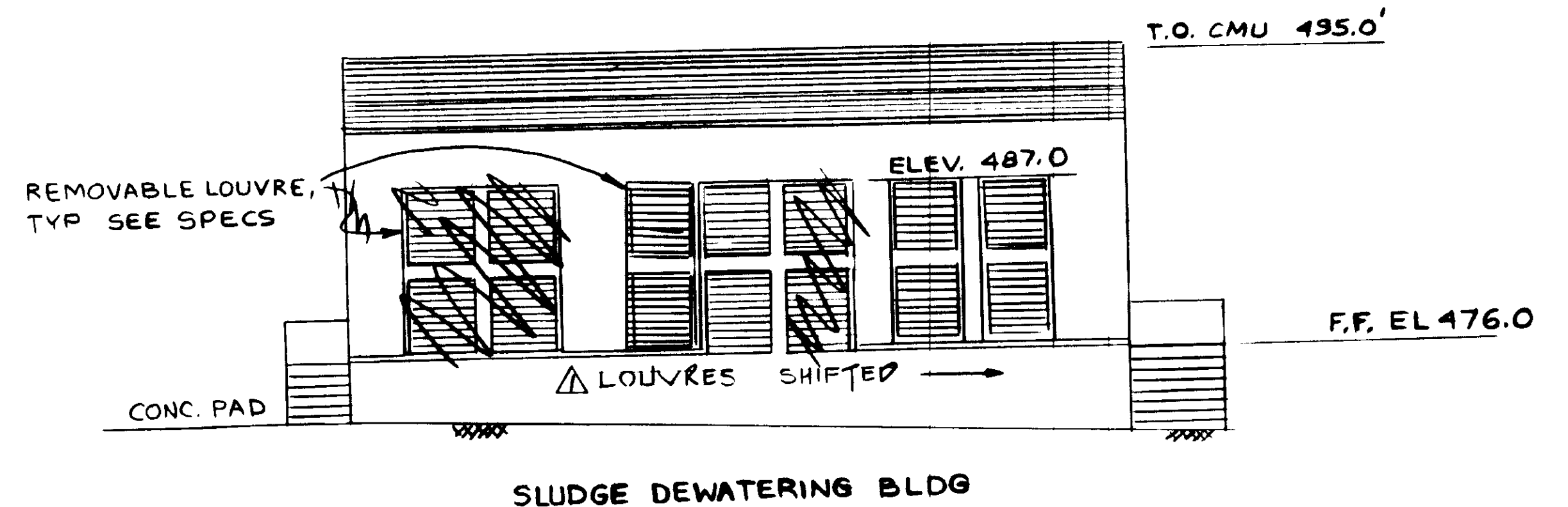
SCALE: AS NOTED	DESIGNED 15/1/84 R.E. / Y. KATSURA	CHECKED	SUBMITTED 14038	PROJECT MANAGER R.C.E. NO. DATE
			14884	14884
			PROJECT ADMINISTRATOR	R.C.E. NO. DATE

KATSURA CONSULTING ENGINEERS
14038
R.C.E. NO. DATE
14884
PROJECT ADMINISTRATOR R.C.E. NO. DATE
4401 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-1117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
YARD PIPING DETAILS IV
03187
PCH-C5-18
SHEET
YP-17

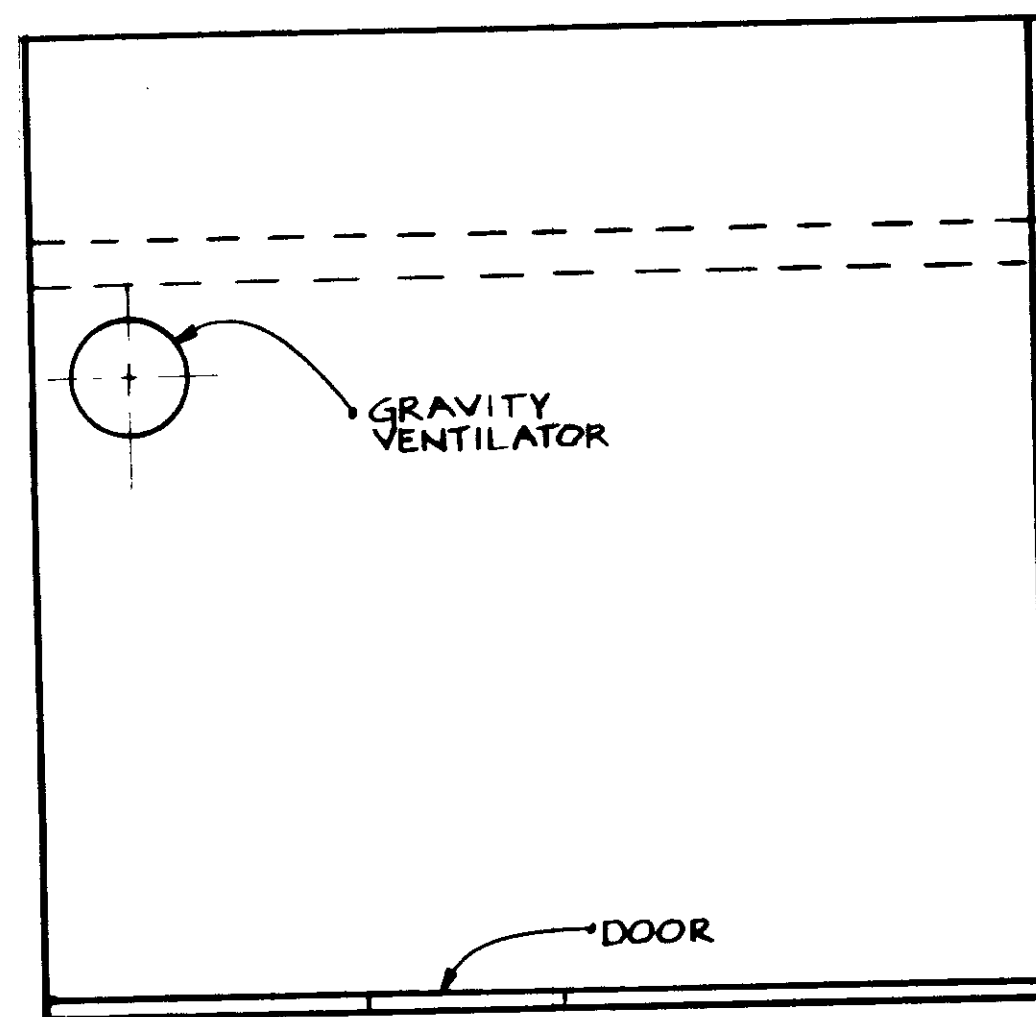


SOUTH ELEVATION



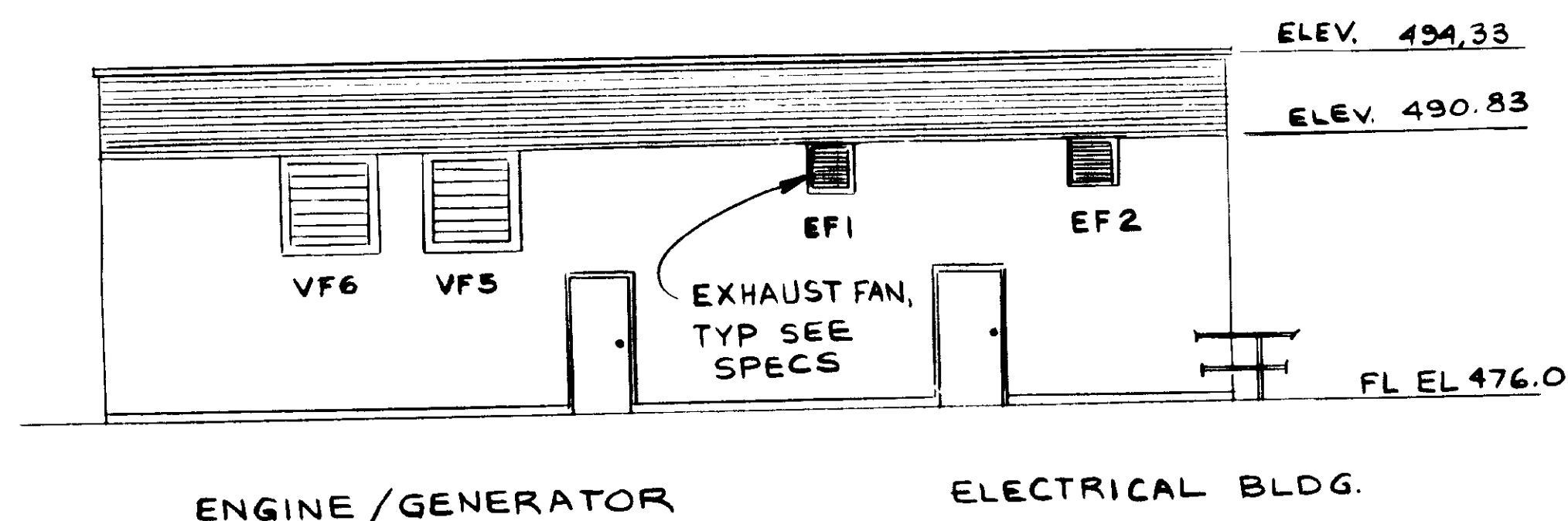
**SLUDGE DEWATERING BLDG
SOUTH ELEVATION**

SEE ROOF PLAN SHT. AM-5, FOR LOCATION OF VENTILATION FAN.

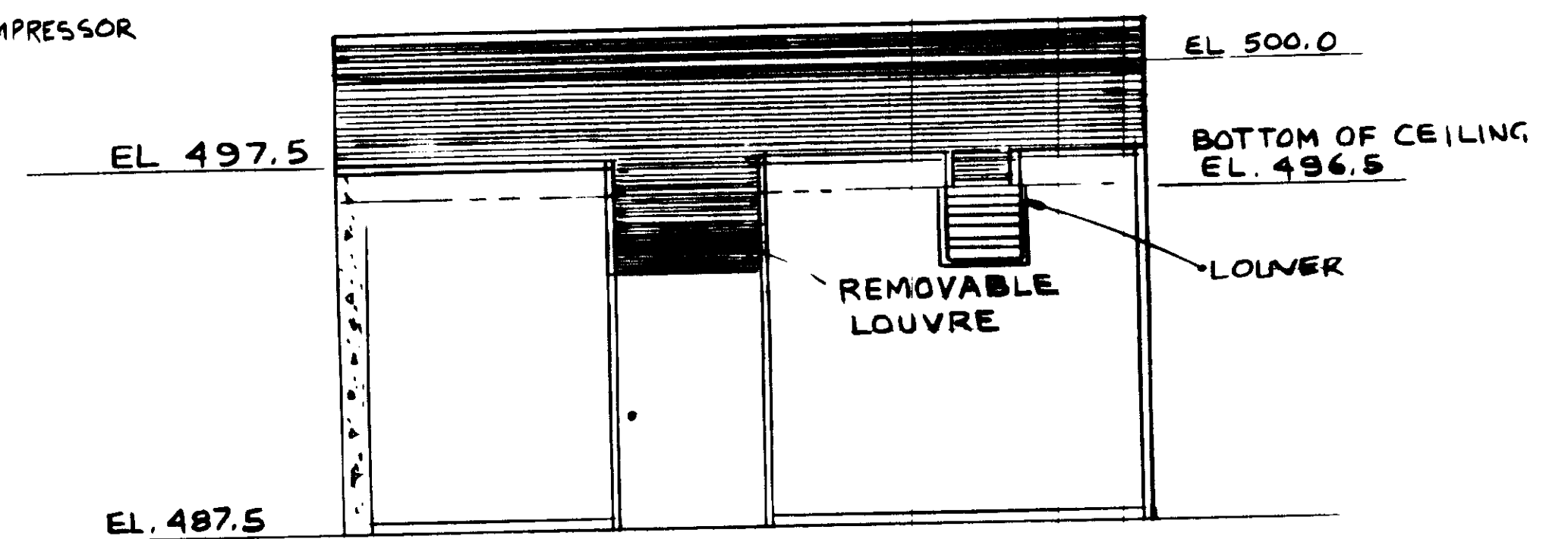


CONTROL ROOM FOR EXISTING PROCESS AIR COMPRESSOR

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



NORTH ELEVATION



CONTROL ROOM FOR EXISTING PROCESS AIR COMPRESSOR

EAST ELEVATION
SCALE 1/4" = 1'-0"

03188

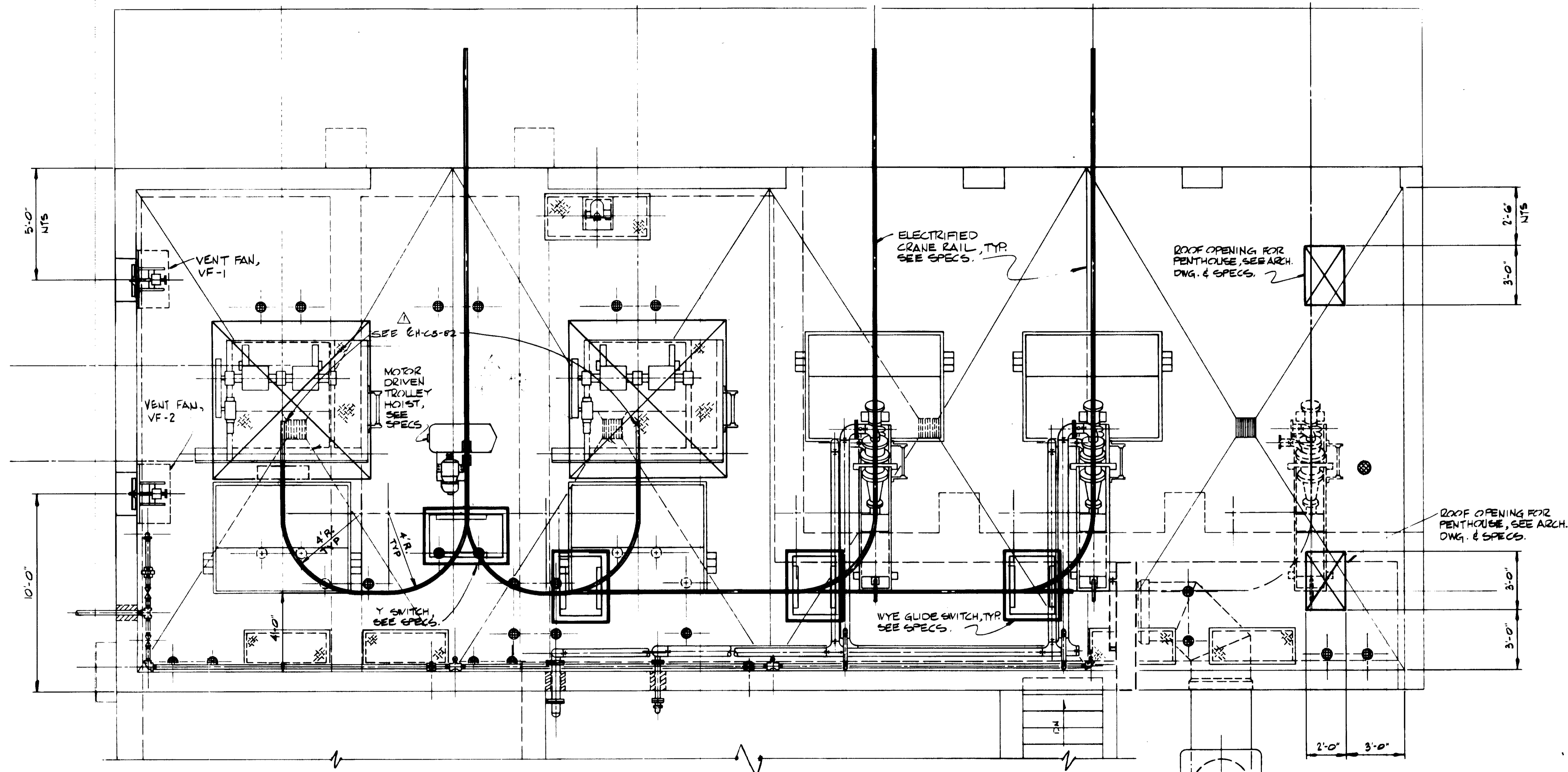
RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

Y. Katsura RCE 14888
KATSURA CONSULTING ENGINEERS March 1988

REV DATE BY DESCRIPTION 1/8" = 1'-0" AND AS SHOWN V.S./Y.K. DESIGNED V. SALAS DRAWN Y. KATSURA CHECKED		SUBMITTED <i>Y. Katsura</i> 14888 8-15-79 PROJECT MANAGER R.C.E. NO. DATE PROJECT ADMINISTRATOR 14884 8-15-79 R.C.E. NO. DATE		J&K CONSULTING ENGINEERS A JOINT VENTURE 6601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 858-9117		LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. ELEVATIONS		SHEET AM-1
--	--	--	--	---	--	---	--	----------------------

Sht. 14 of 18



PLAN

03189

RECORD DRAWING
 Per Field Information Provided By Morley-Ziebarth & Alper
Y. Katsura RCE 14000
 KATSURA CONSULTING ENGINEERS March 1985

REV	DATE	BY	DESCRIPTION

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

A.P./Y.K.
 DESIGNED
 N.O.
 DRAWN
 Y. KATSURA
 CHECKED

SUBMITTER
Y. Katsura
 PROJECT MANAGER

14000 8-15-79
 R.C.E. NO. DATE

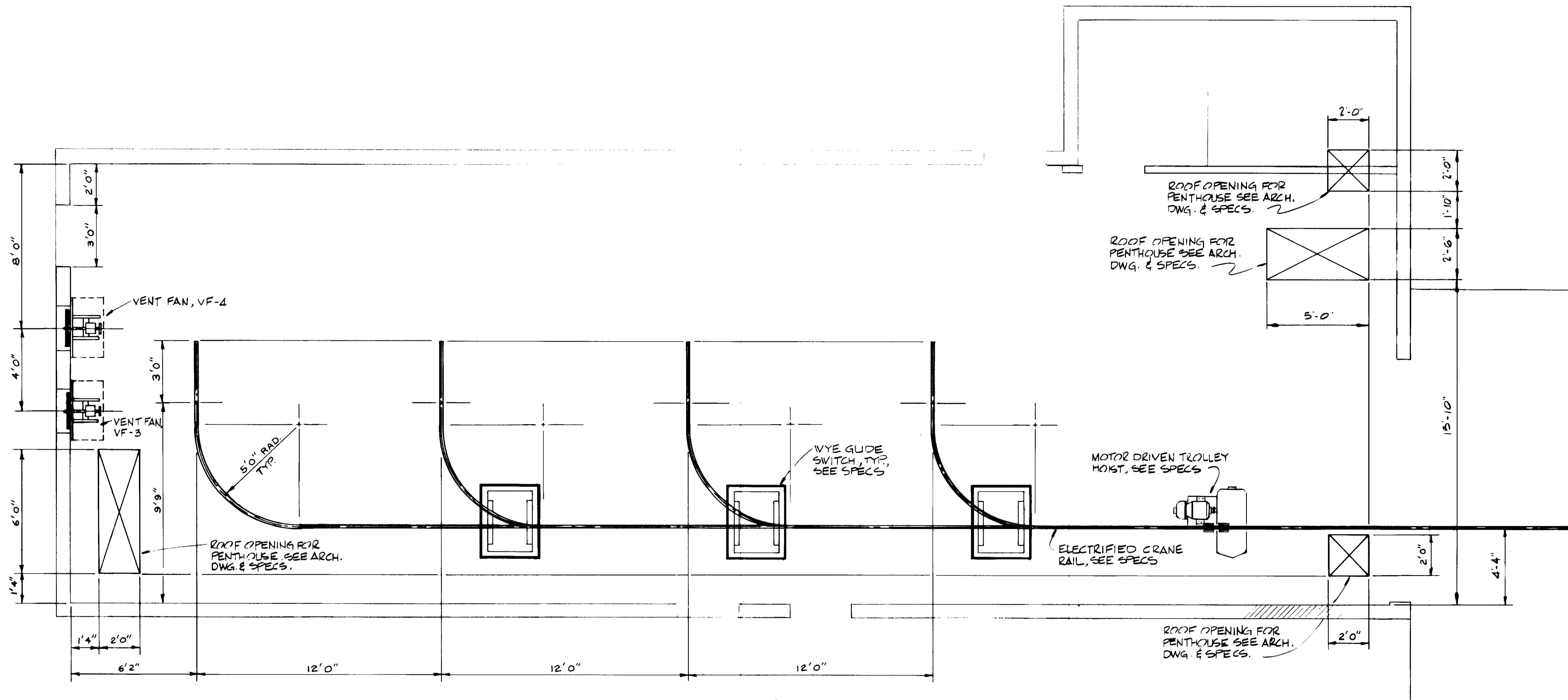
14004 8-15-79
 R.C.E. NO. DATE

PROJECT ADMINISTRATOR

JK CONSULTING ENGINEERS
 A JOINT VENTURE
 6601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 923-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 SCREENING & DEGRITTING ROOM
 CRANE RAIL & VENTILATION-PLAN

SHEET
AM-2



03190

PLAN

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

Y. Katsura
 KATSURA CONSULTING ENGINEERS RCE 14038
 March 1985

REV	DATE	BY	DESCRIPTION

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

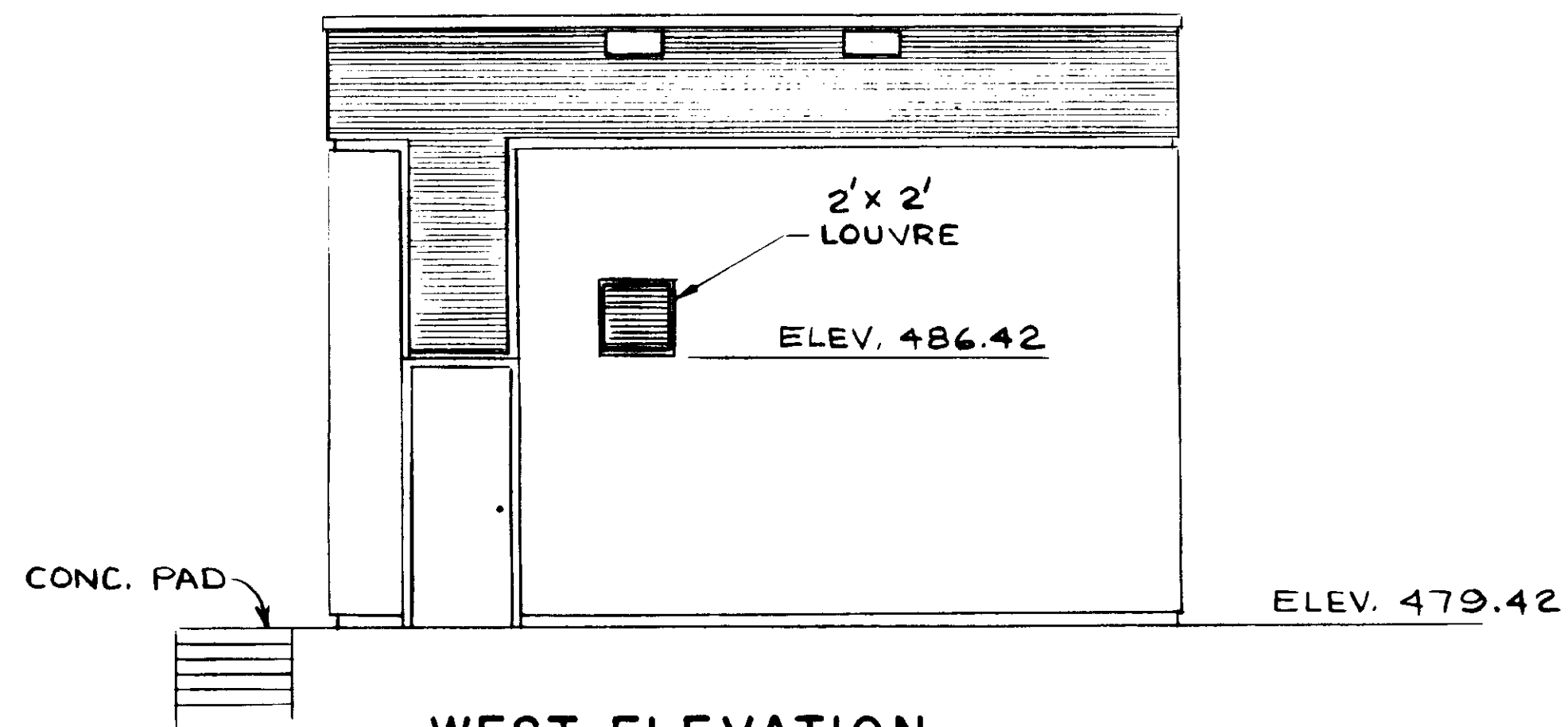
C.S. / Y.K.
 DESIGNED
 V. SALAS
 DRAWN
 Y. KATSURA
 CHECKED

SUBMITTED
[Signature]
 PROJECT MANAGER 14038 8-15-79
 R.C.E. NO. DATE
 PROJECT ADMINISTRATOR 14894 8-15-79
 R.C.E. NO. DATE

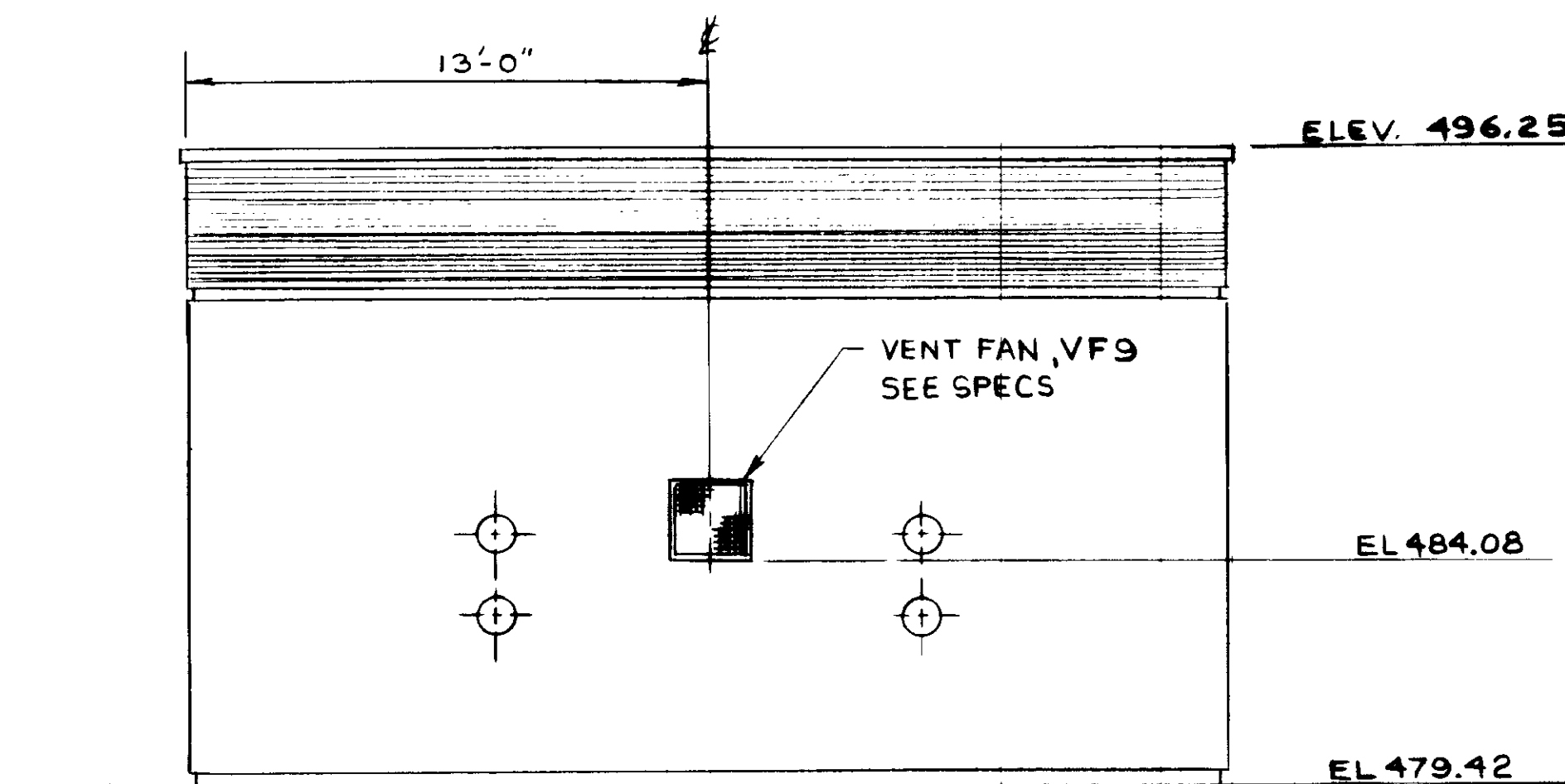
JKE CONSULTING ENGINEERS
 A JOINT VENTURE
 5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 INFLUENT PUMP ROOM CRANE RAIL & VENTILATION - PLAN

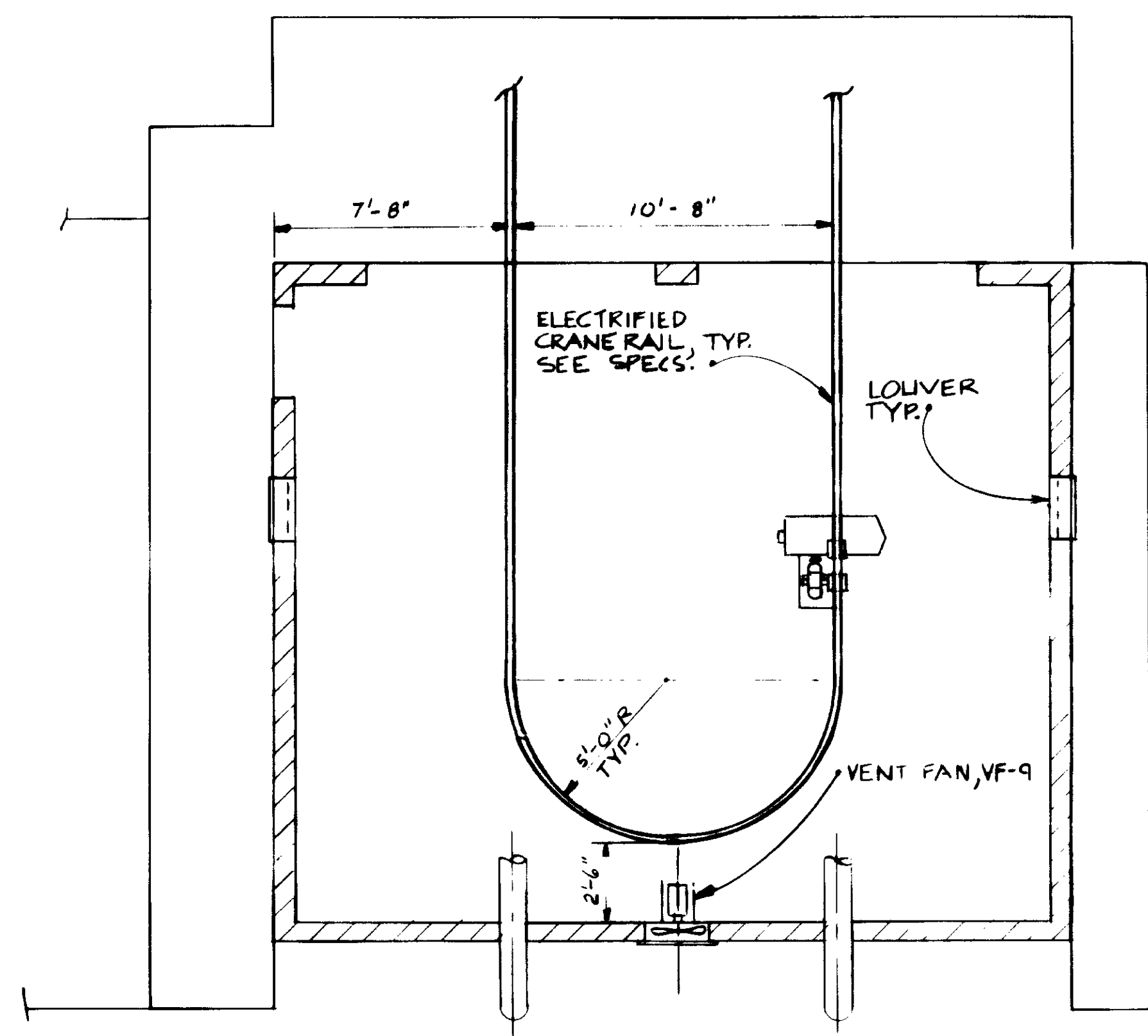
SHEET
AM-3



WEST ELEVATION



SOUTH ELEVATION



PLAN

03191

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
Y. Katsura
RCE 14888
KATSURA CONSULTING ENGINEERS March 1988

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

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

SUBMITTED	<i>Y. Katsura</i>	14888	8-15-79
DESIGNED	V. SALAS	R.C.E. NO.	DATE
DRAWN	Y. KATSURA	14884	8-15-79
CHECKED	<i>Y. Katsura</i>	R.C.E. NO.	DATE

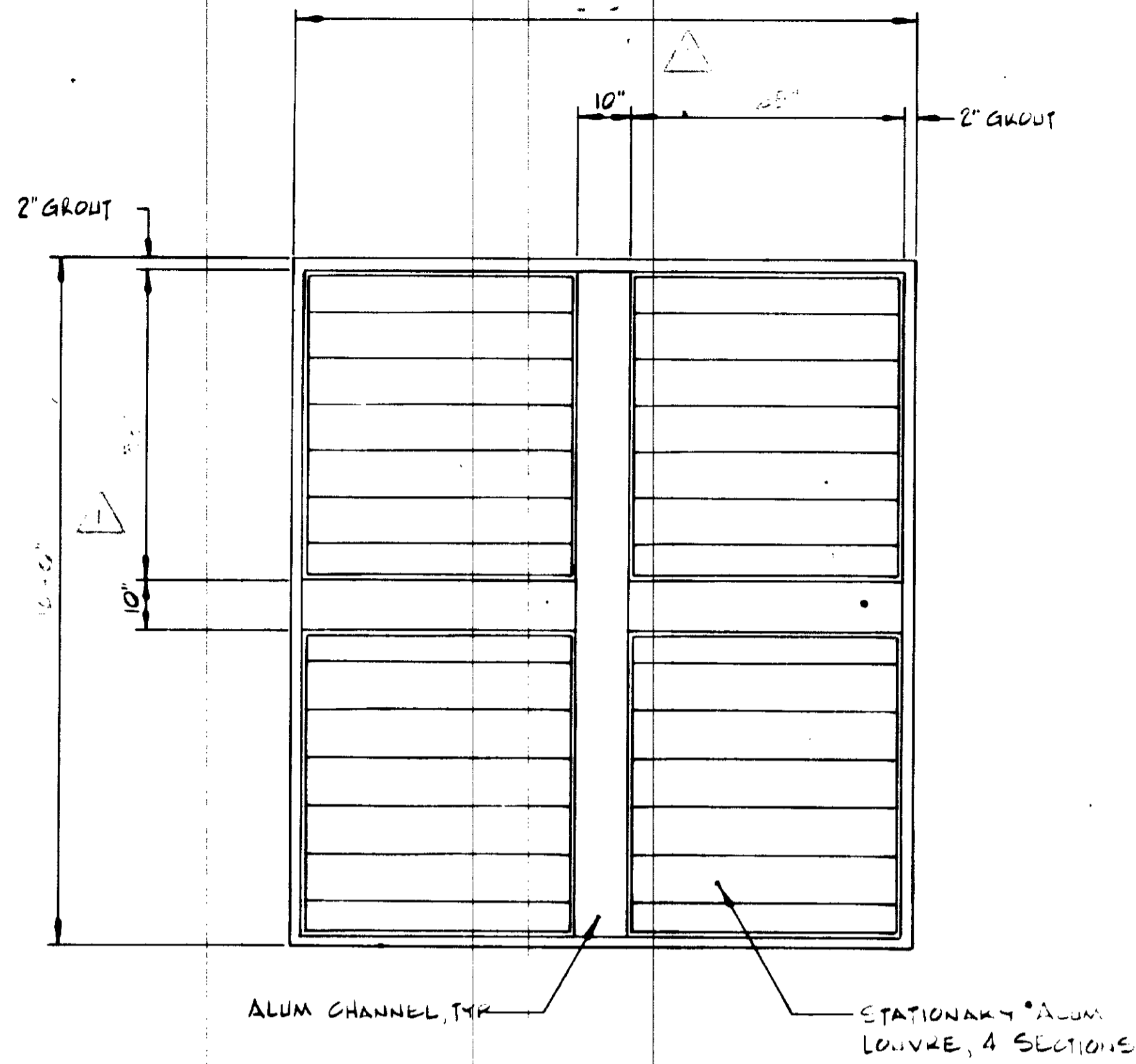


J&K CONSULTING ENGINEERS
A JOINT VENTURE
5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 858-9117

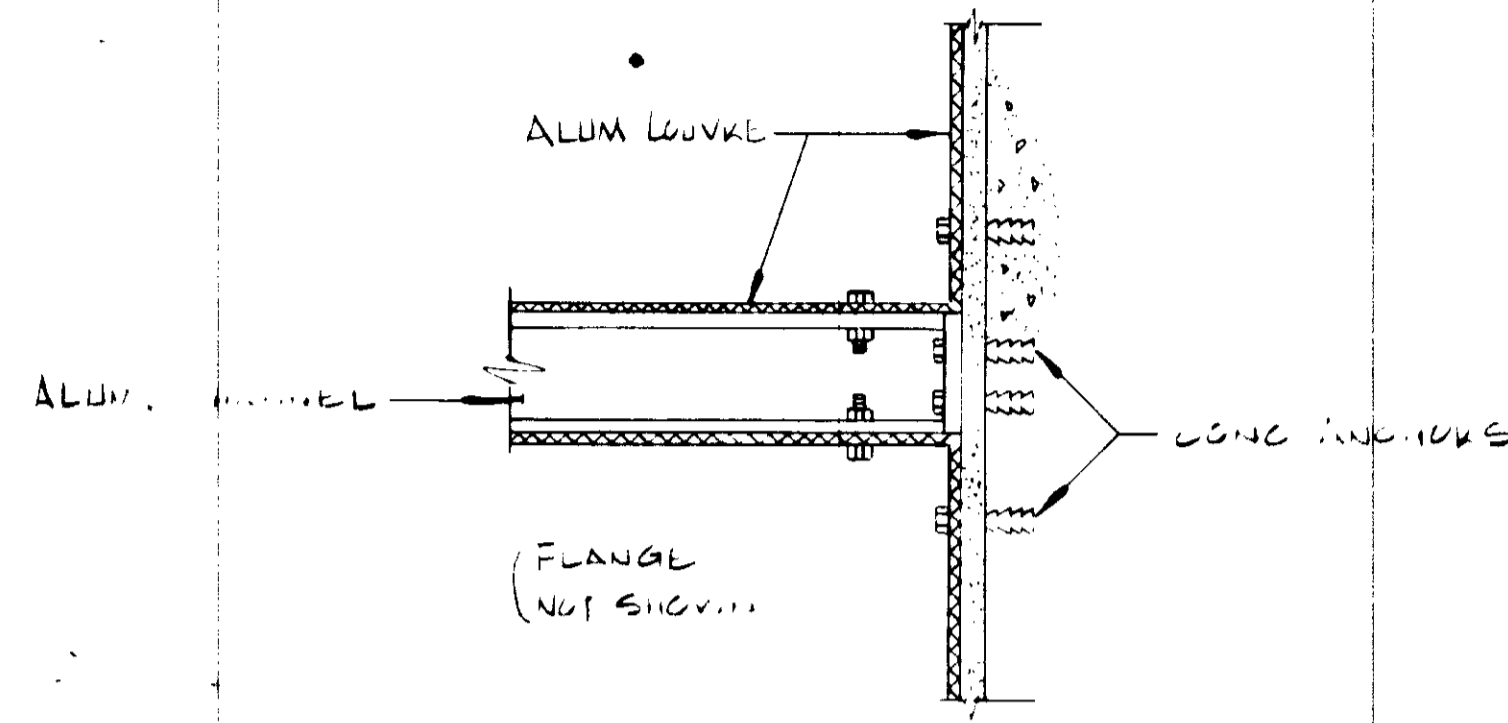
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.

SLUDGE SCREEN FACILITY PLAN & ELEVATION

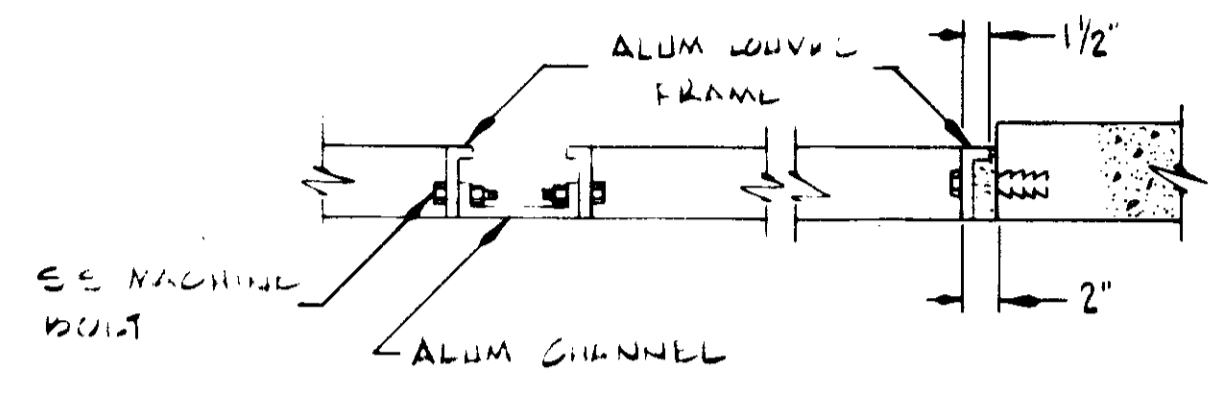
SHEET
AM-4



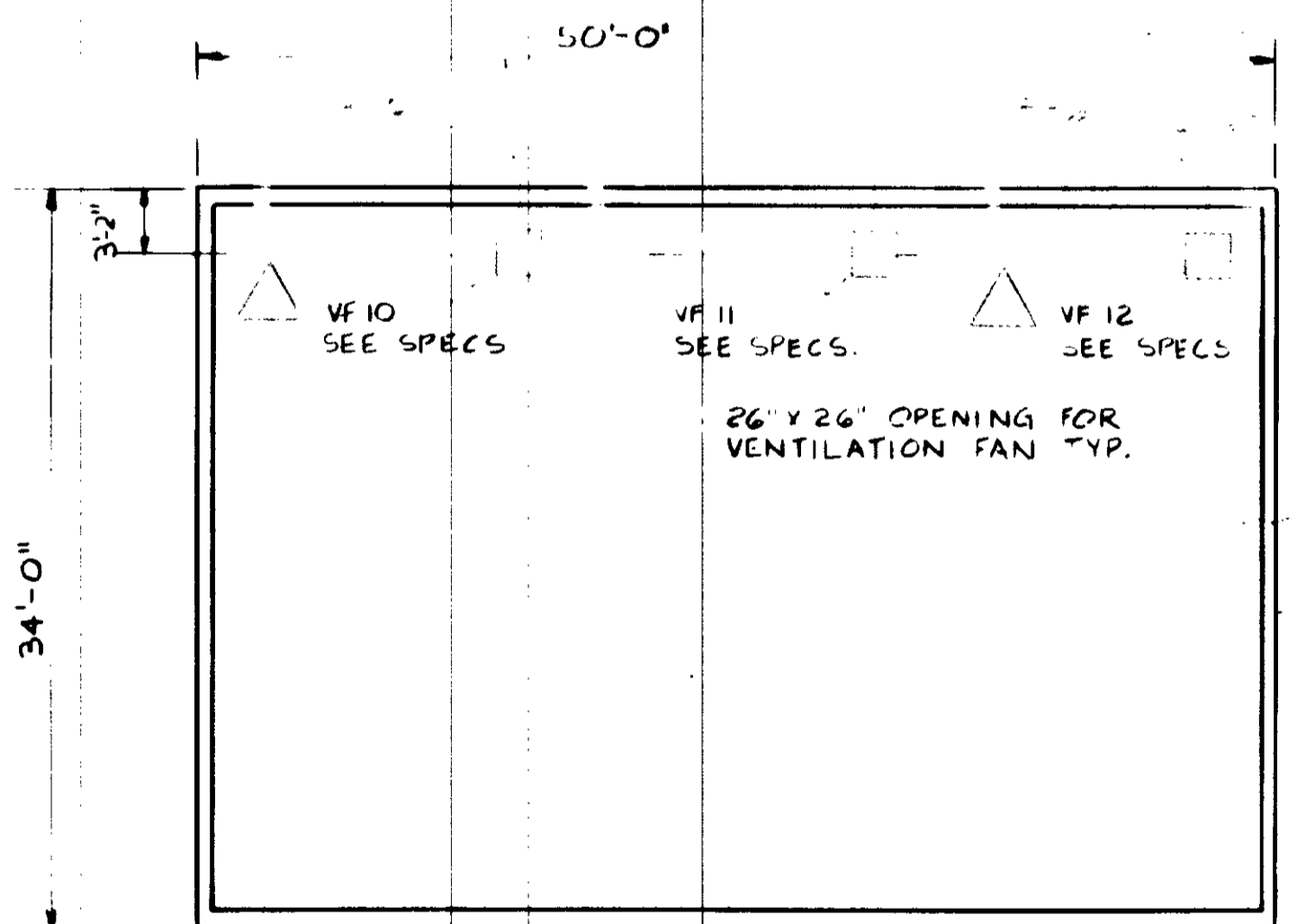
LOUVRE DETAIL
SCALE: 1/2" = 1'-0"



TYPICAL WALL CONNECTION
SCALE: 3/4" = 1'-0"



TYPICAL CONNECTION
SCALE: 3/4" = 1'-0"



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

03192

RECORD DRAWINGS
Per Field Information Provided by Morley-Ziebarth & Alper
Y. Katsura
KATSURA CONSULTING ENGINEERS
RCE 14088
March 1988

PCH-C5-26

REV	DATE	BY	DESCRIPTION

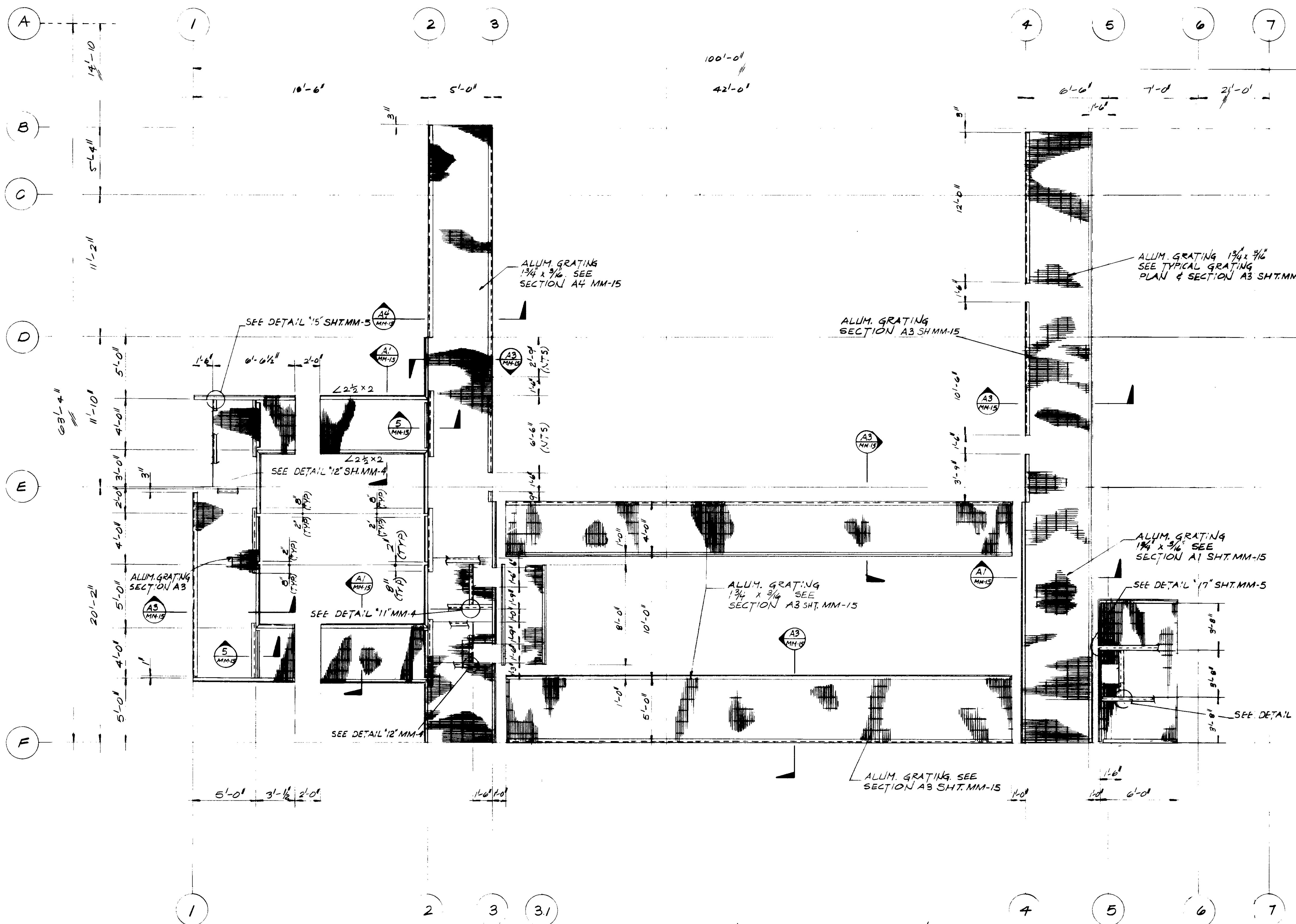
SCALE :	AS NOTED
DESIGNED	Y. KATSURA
DRAWN	N. OKONIEWSKI
CHECKED	Y. KATSURA

SUBMITTED	14088	8-15-79
PROJECT MANAGER	R.C.E. NO.	DATE
PROJECT ADMINISTRATOR	14884	8-15-79
	R.C.E. NO.	DATE

JK CONSULTING ENGINEERS
A JOINT VENTURE
6601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 955-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
SLUDGE DEWATERING BUILDING
DETAILS

SHEET
AM-8



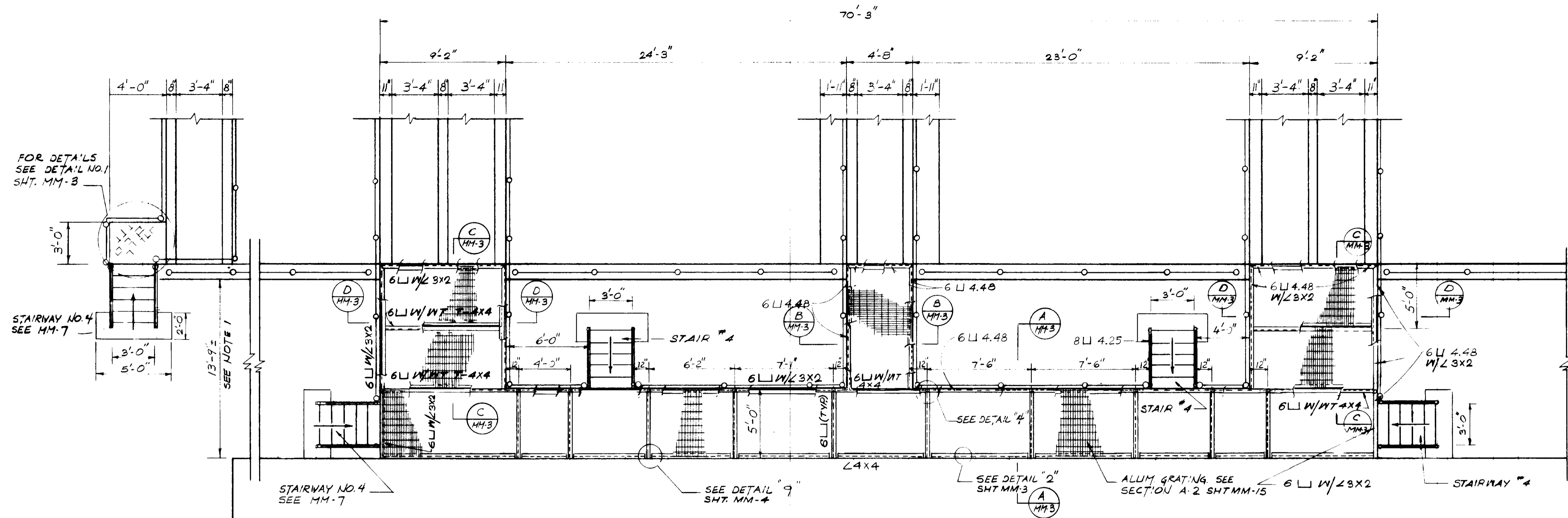
WALKWAY PLAN AT ELEV. 460.50'
 1/4" = 1'-0" T.O.S. ELEV. (-1 3/4') UNLESS NOTED

- NOTE:**
1. ALL MATERIALS ON MISCELLANEOUS METALS ARE ALUMINUM UNLESS OTHERWISE NOTED
 2. PROVIDE 6" DIA. BENDED HOLE & VALVE CAP FOR ALL VALVES BELOW GRATING. SEE MECHANICAL DRAWINGS FOR VALVE LOCATION & SEE MM-1 FOR COVER
 3. SEE MM-25 FOR EW-C5-10

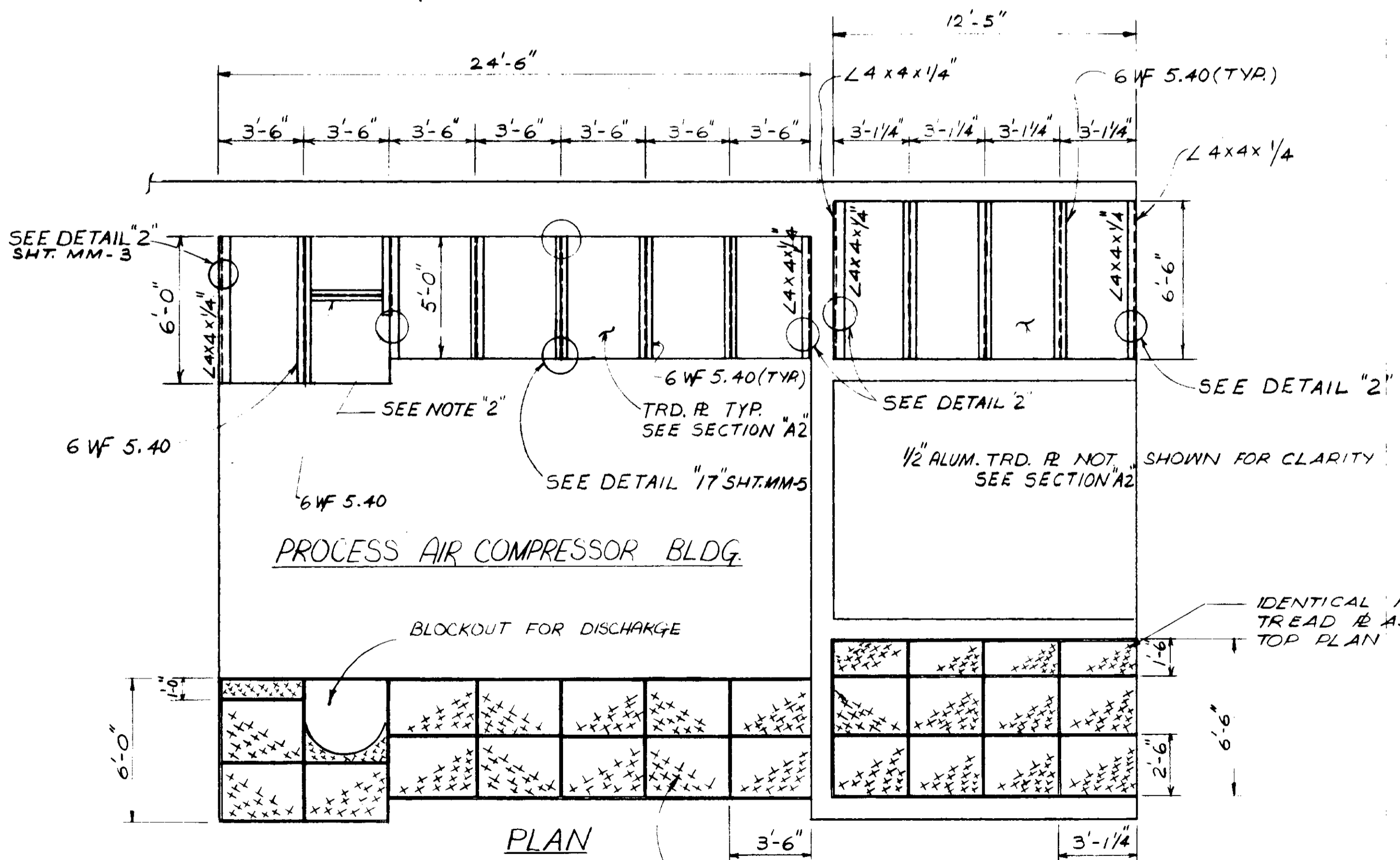
03193

RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alger
[Signature]
 RCE 14038
 KATSURA CONSULTING ENGINEERS March 1985

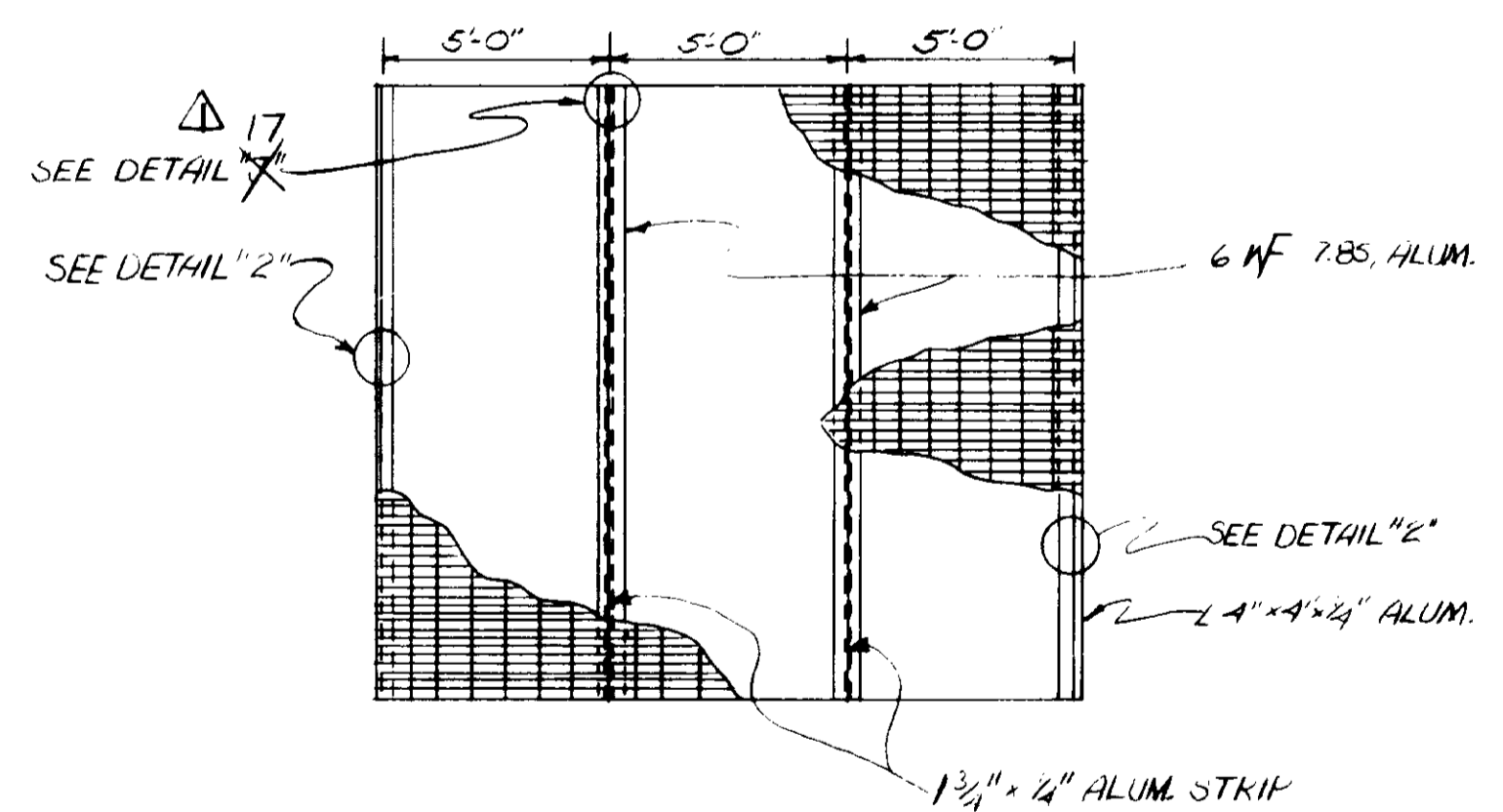
SCALE: AAA DESIGNED AAA DRAWN S.K. CHECKED		SUBMITTED <i>[Signature]</i> PROJECT MANAGER <i>[Signature]</i> PROJECT ADMINISTRATOR		14038 8/15/79 R.C.E. NO. DATE 14894 8/15/79 R.C.E. NO. DATE		CONSULTING ENGINEERS A JOINT VENTURE 6601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018 (213) 933-9117		LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. MISCELLANEOUS METALS HEADWORKS GRATING		SHEET MM-1	
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION				
				4.18.85	YK		REV. PER MZA & JCE				



PLAN
GALLERY NO. 6



PLAN
PROCESS AIR COMPRESSOR STATION TREAD PLATE



EAST-WEST GALLERY GRATING

- NOTE:**
1. EXACT DIMENSION TO BE VARIED IN FIELD
 2. CUT THE FLANGE OF I-BEAM ACCORDING TO EQUIPMENT REQUIREMENT & GRIND THE EDGE SMOOTHLY.
 3. SAME NOTE FOR GALLERY NO. 6 ONLY
 4. SEE MECHANICAL DRAWINGS FOR ALL BLOCKOUTS REQ'D. FOR PAC
 5. PROVIDE 6" DIA BENDED HOLE & VALVE CAP FOR ALL VALVES BELOW GRATING. SEE MECHANICAL DRAWINGS FOR VALVE LOCATION - SEE M141 FOR COVER.

03194

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
RCE 14088
KATSURA CONSULTING ENGINEERS
March 1988

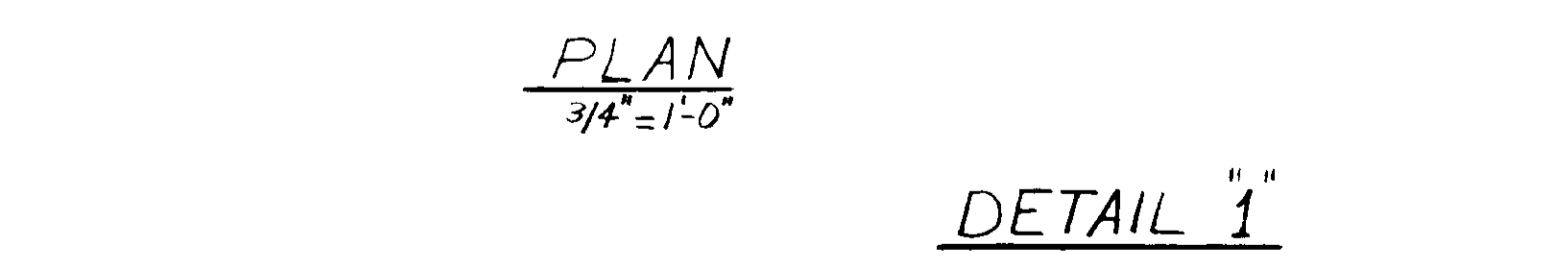
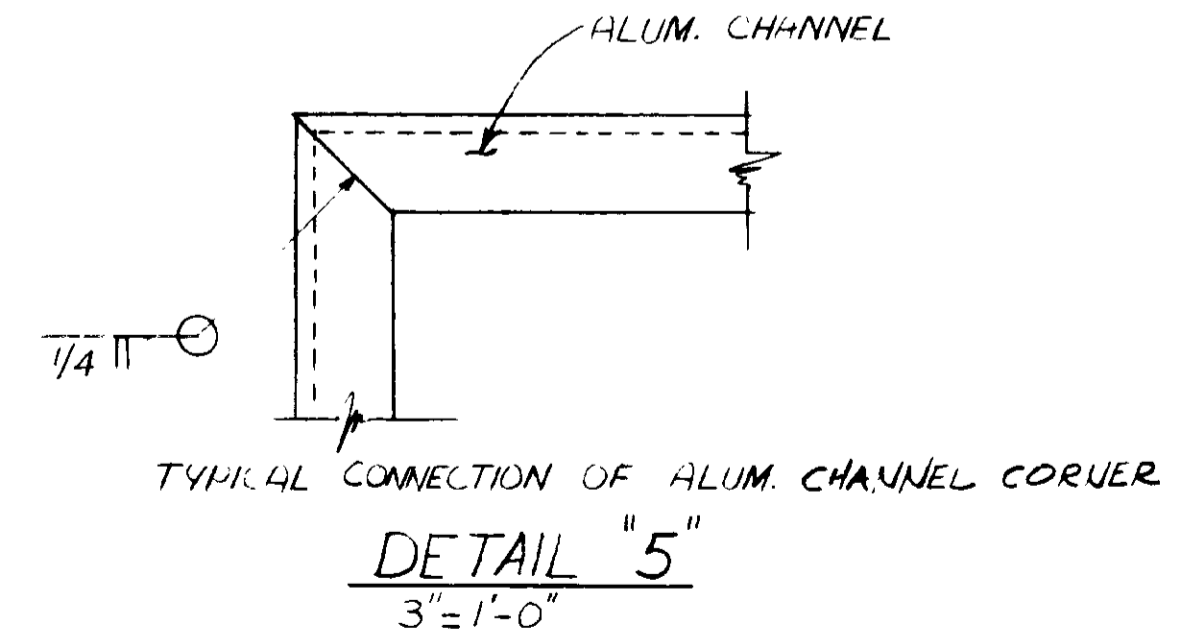
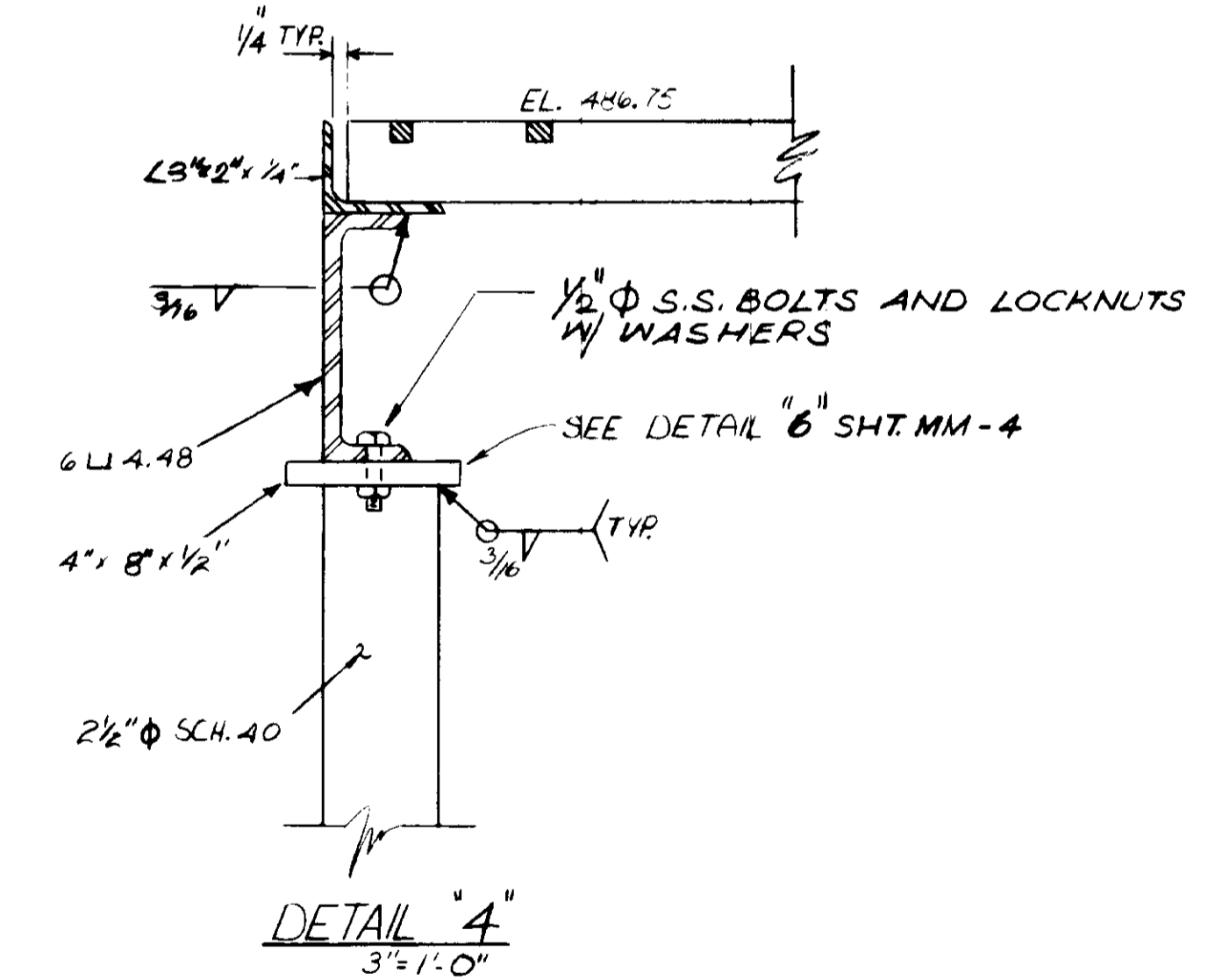
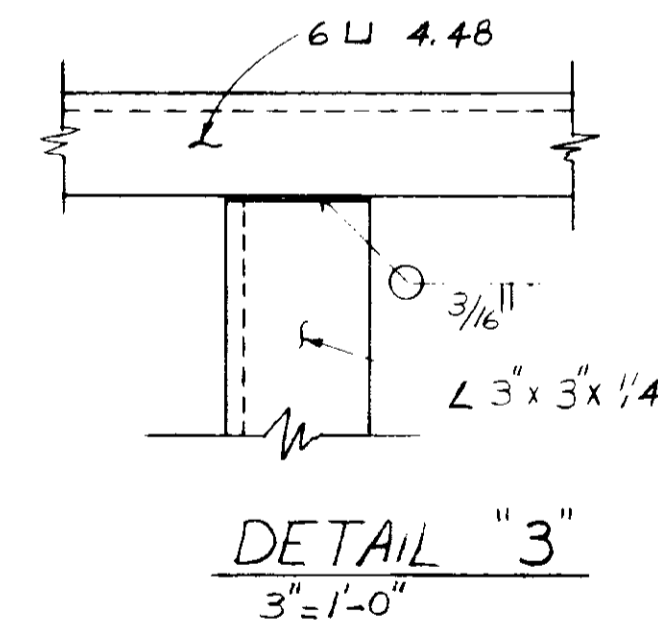
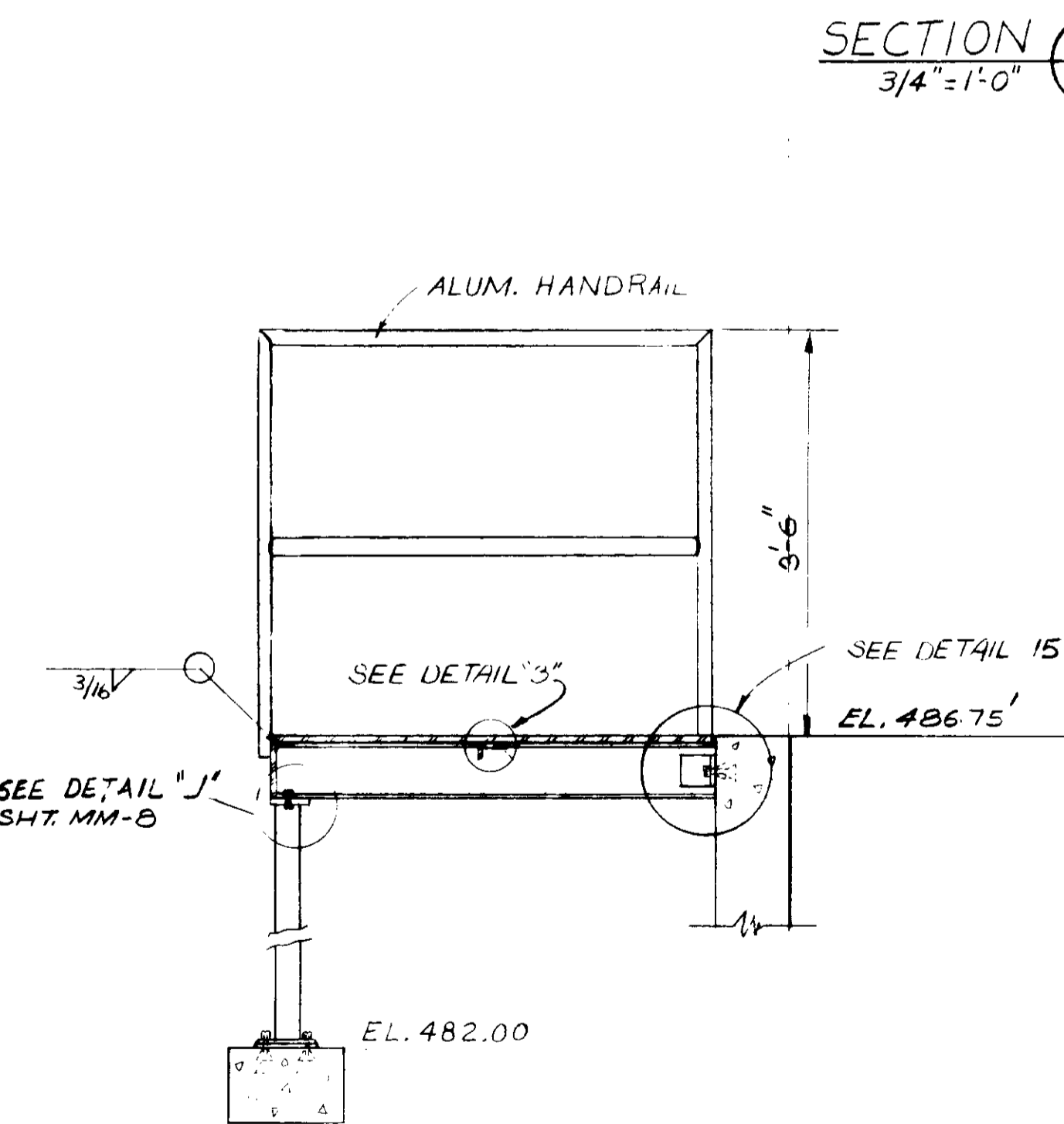
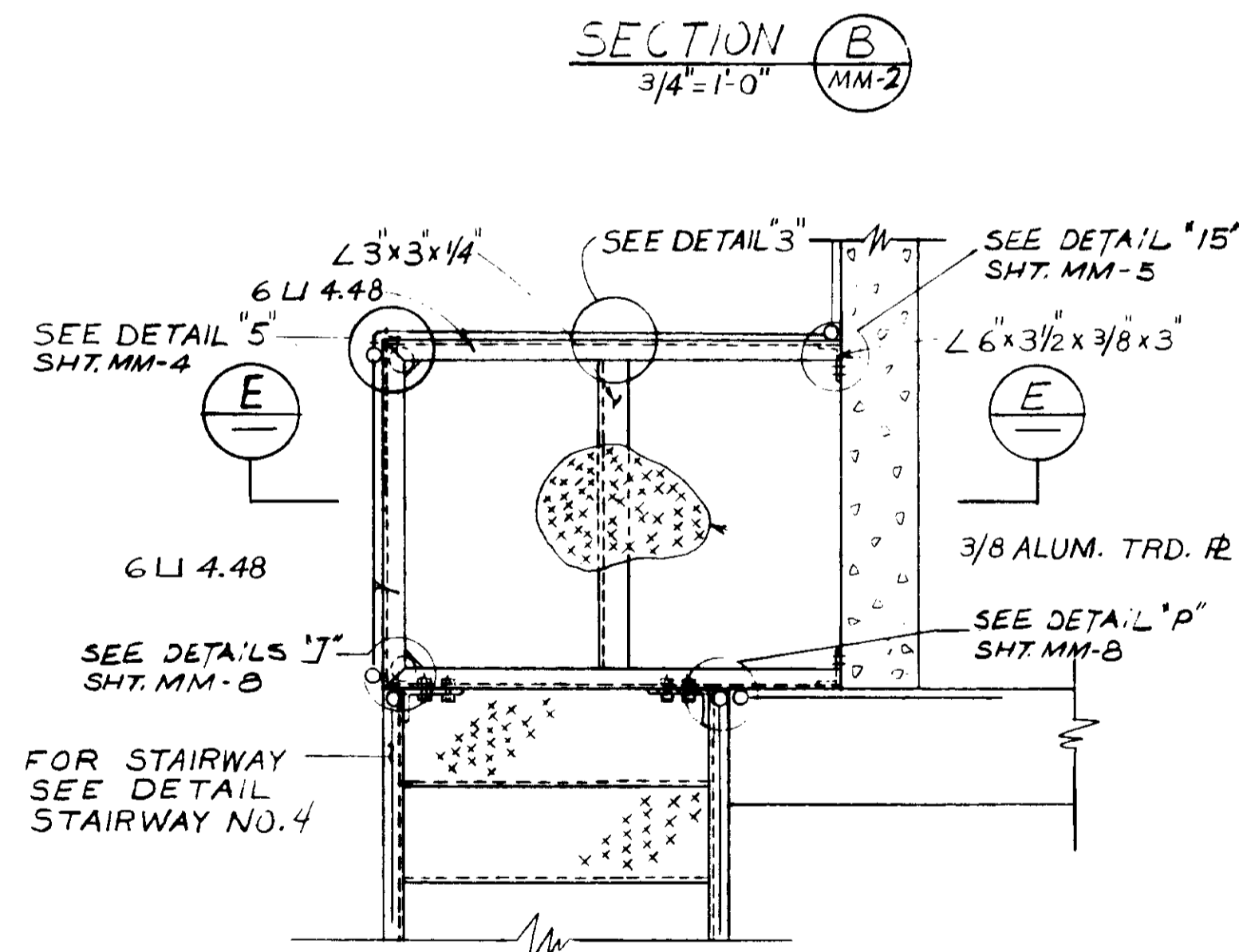
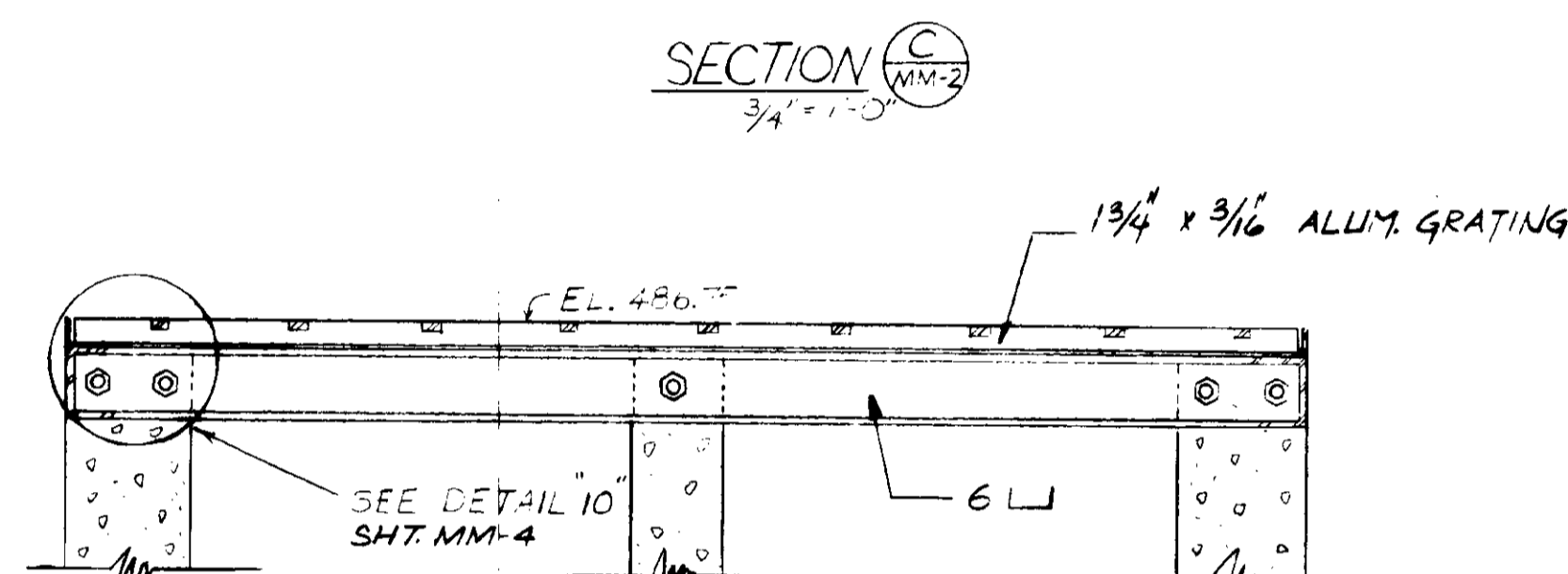
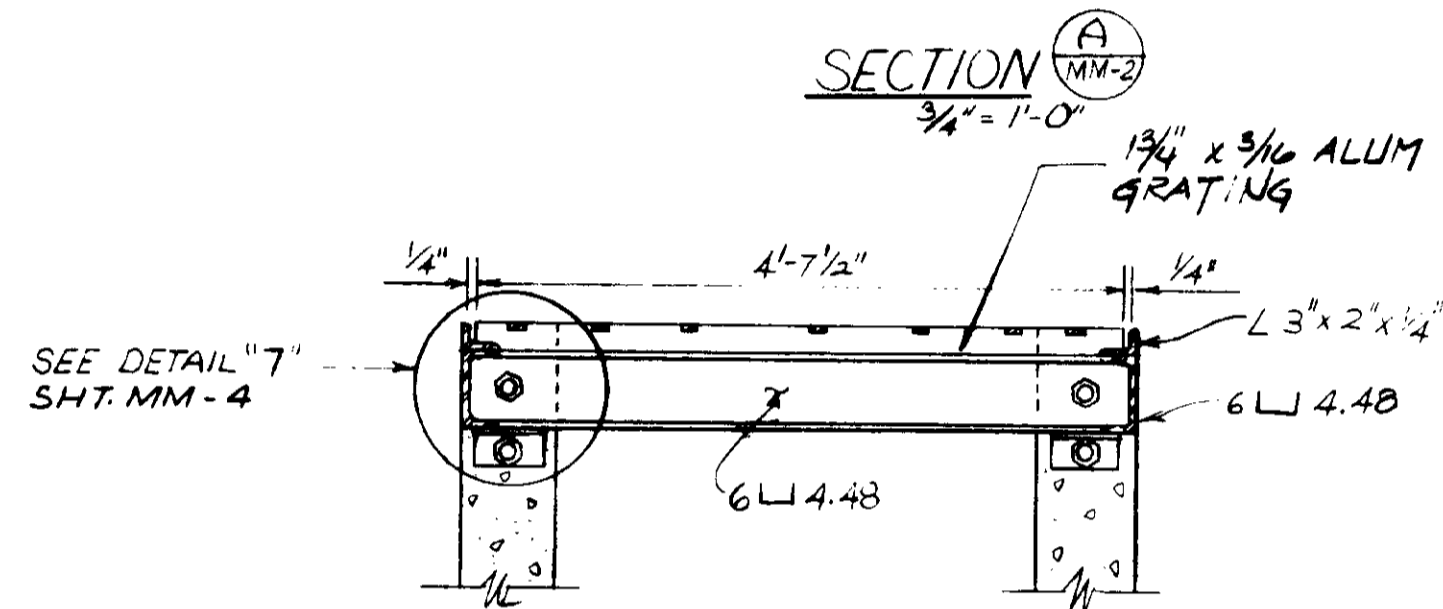
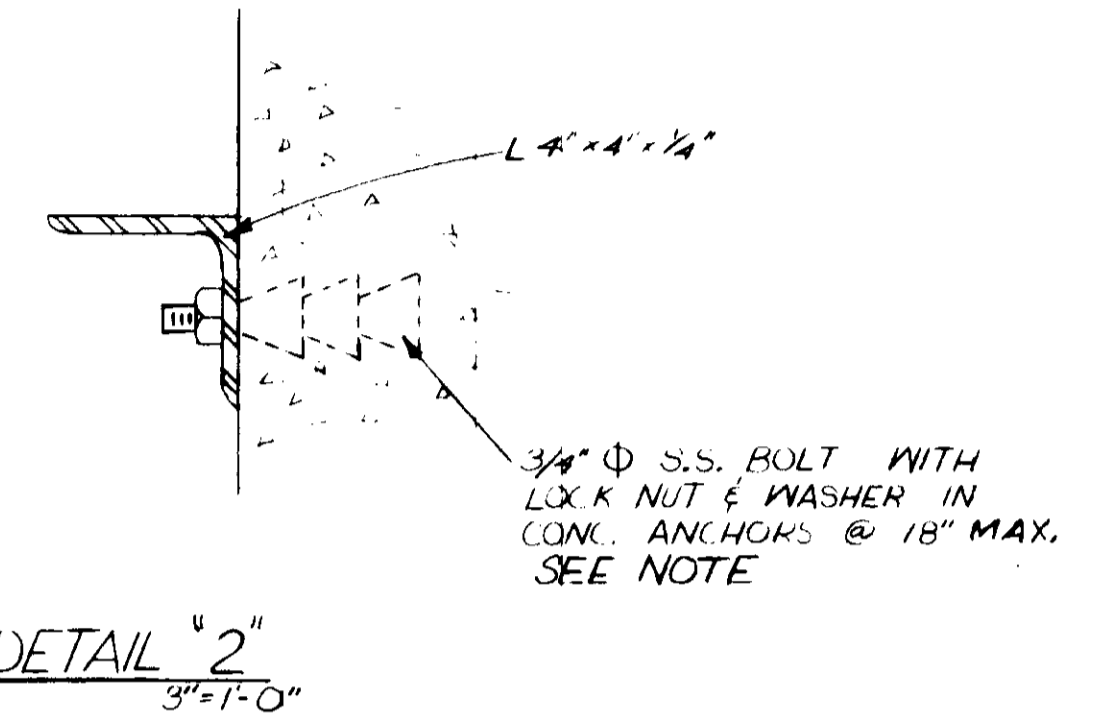
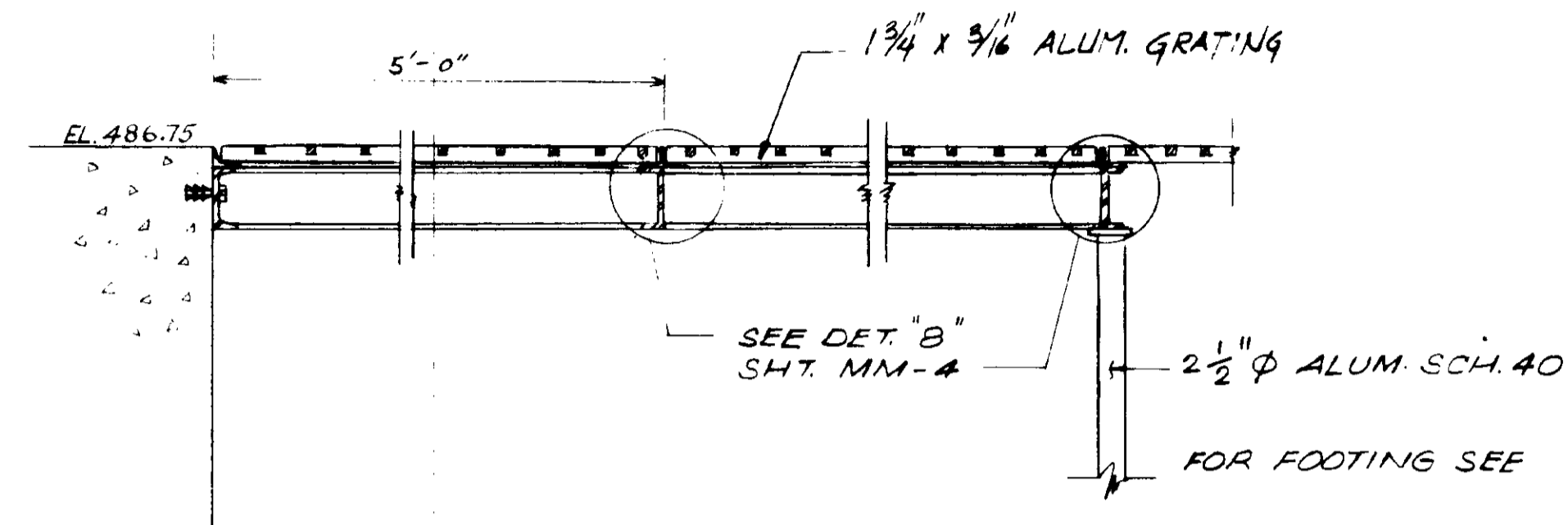
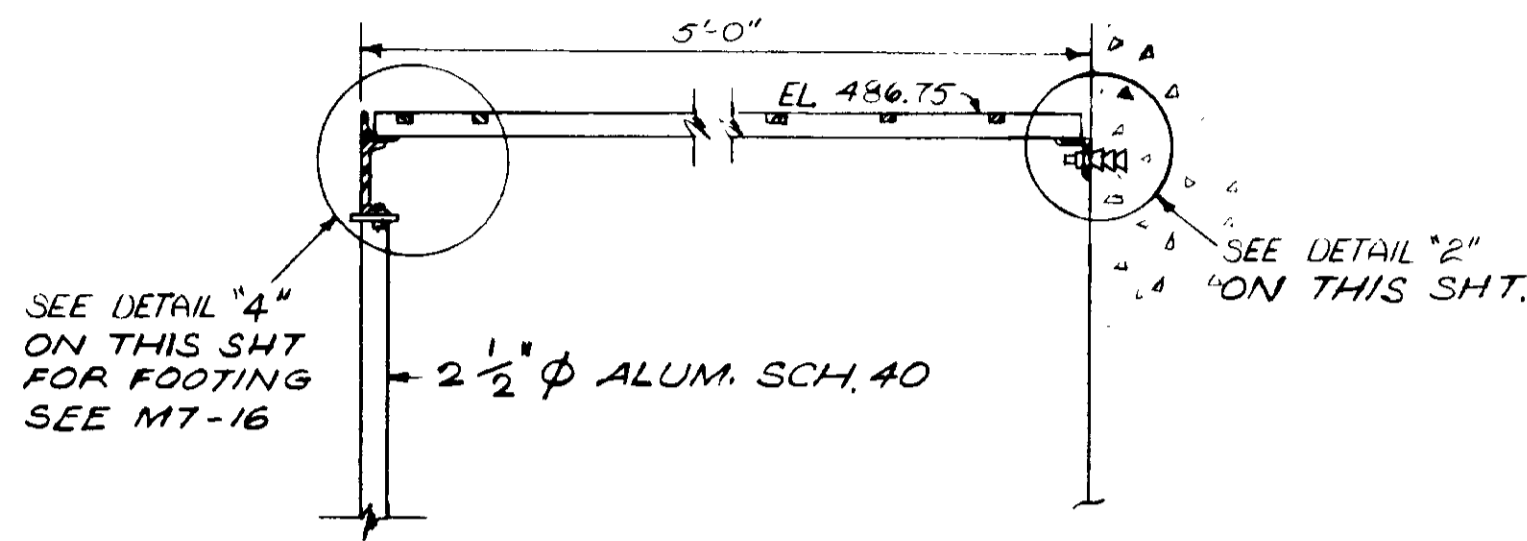
REV	DATE	BY	DESCRIPTION

SCALE : 1/4" = 1'-0"	DWV DESIGNED DWV DRAWN CHECKED	SUBMITTED <i>[Signature]</i> PROJECT MANAGER 14038 R.C.E. NO. 8/15/79 DATE

JKE CONSULTING ENGINEERS
A JOINT VENTURE
6901 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.		SHEET MM-2
MISCELLANEOUS METALS GALLERY NO. 6 PLATFORM & COMPRESSOR STATION TREAD PLATE		

NOTE: CONTRACTOR AT HIS OPTION MAY USE EXPANSION BOLTS IN LIEU OF ANCHOR BOLTS. IF ANCHOR BOLTS ARE USED NO INTERFERENCE WITH REINFORCING STEEL IS ALLOWED.



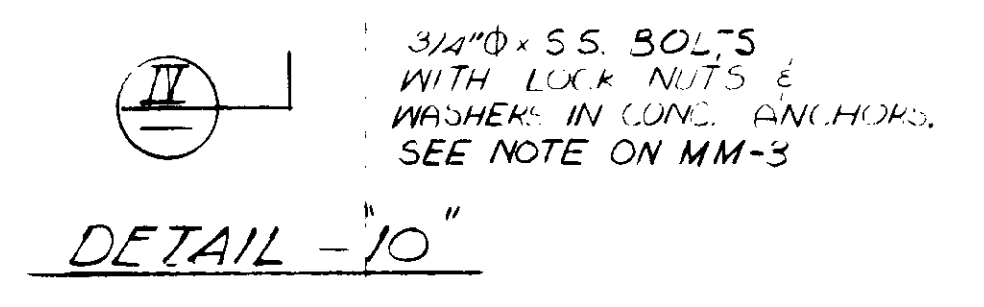
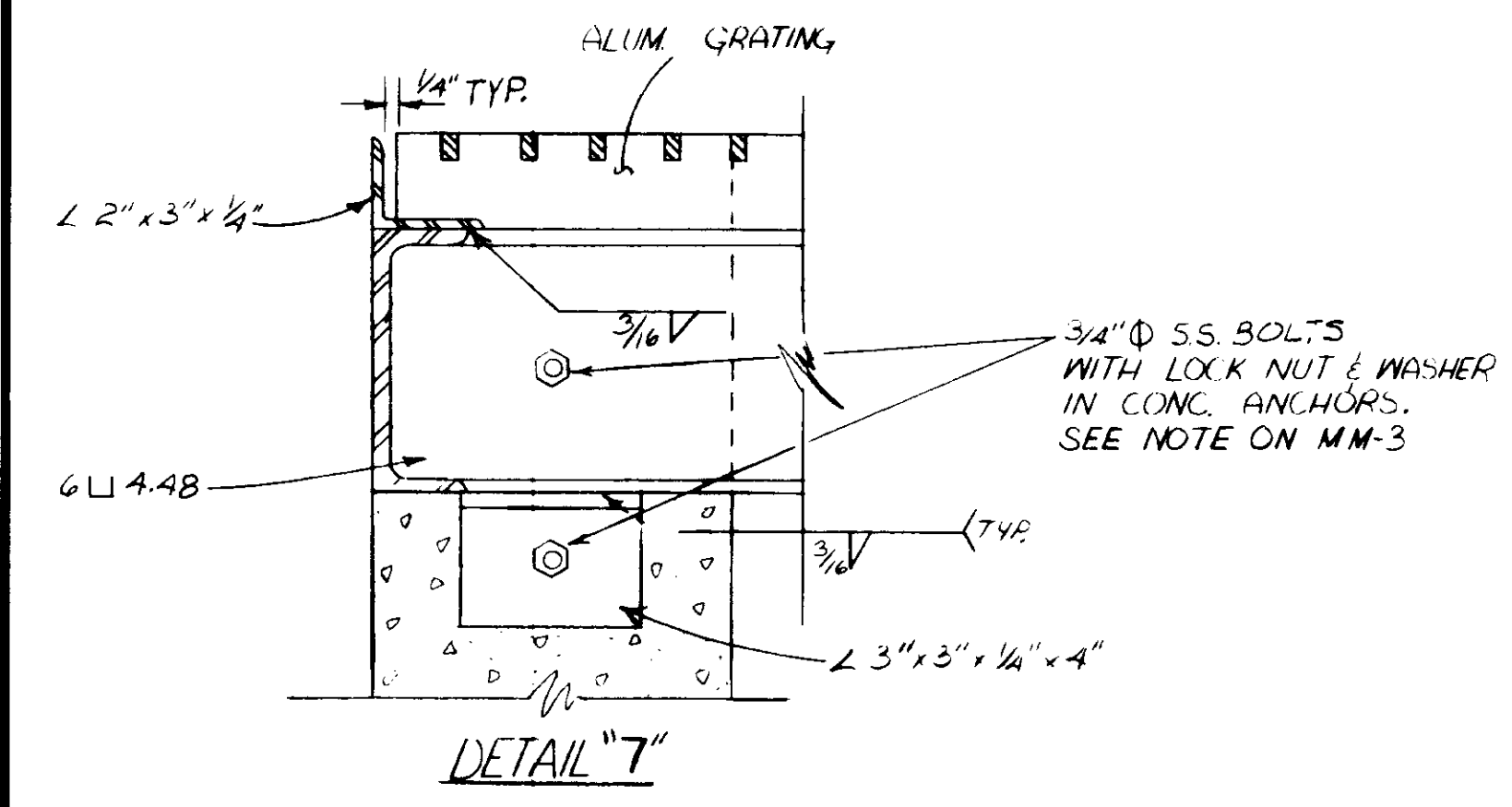
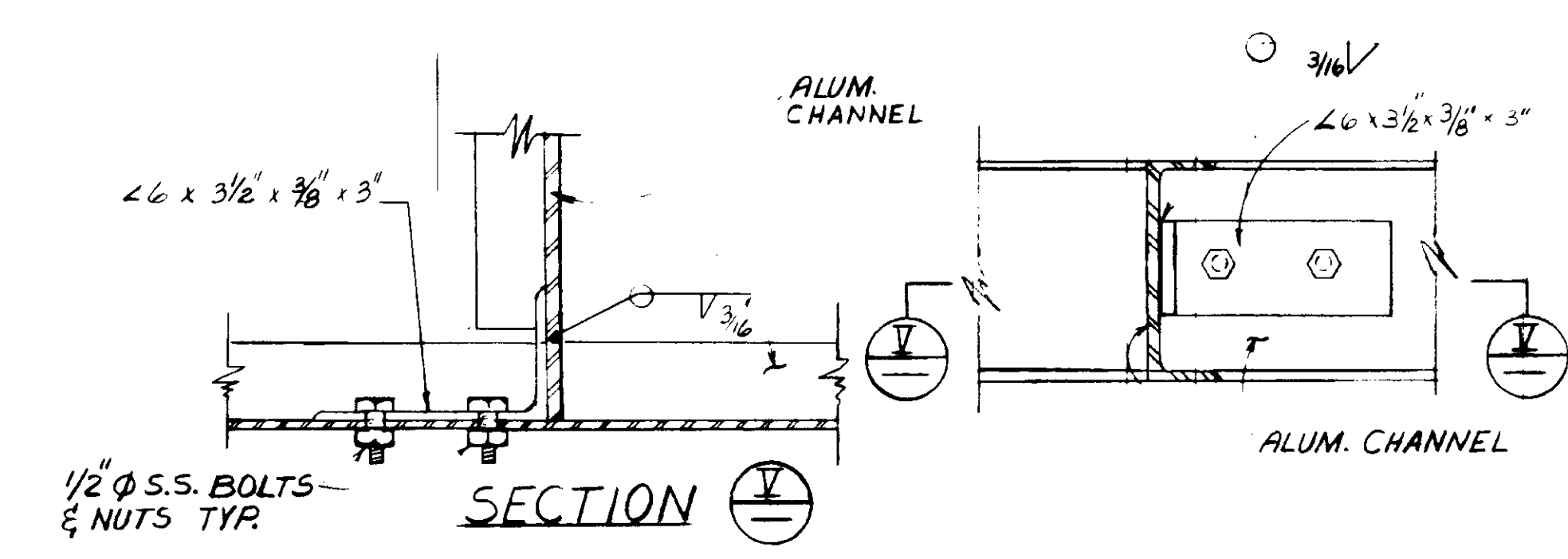
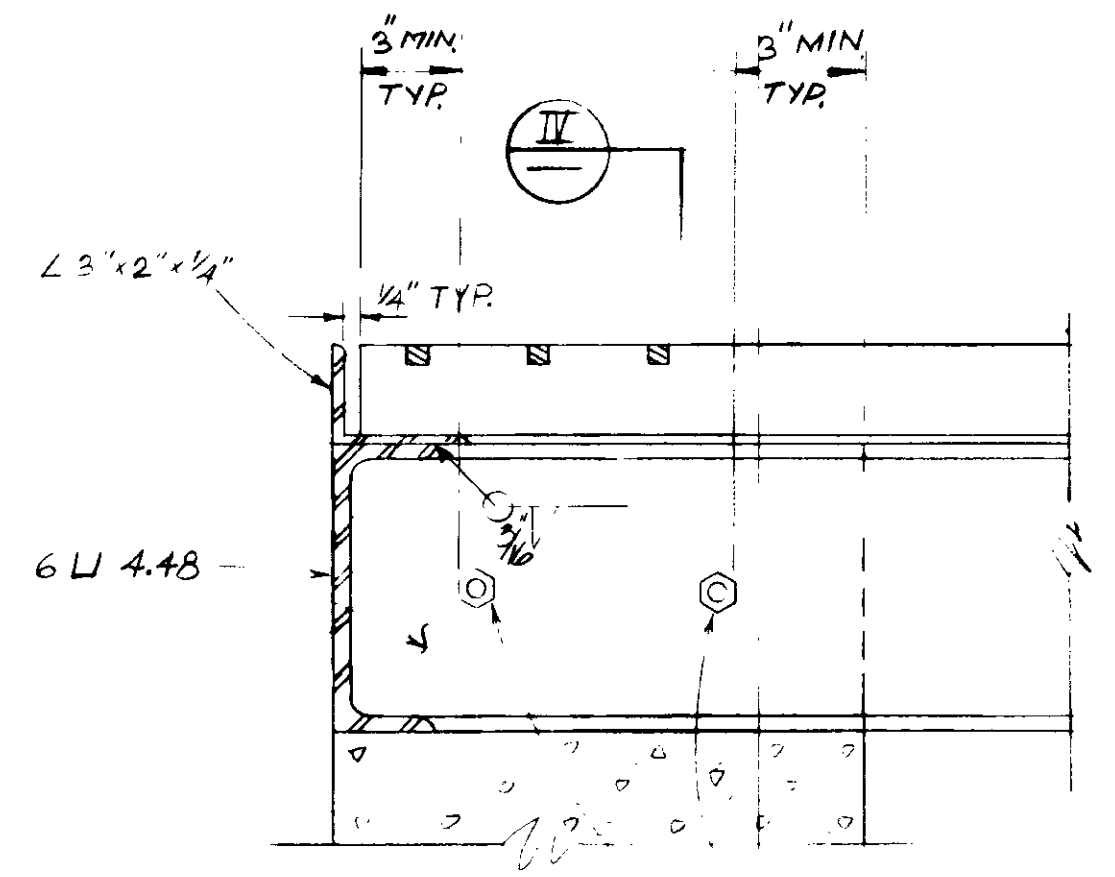
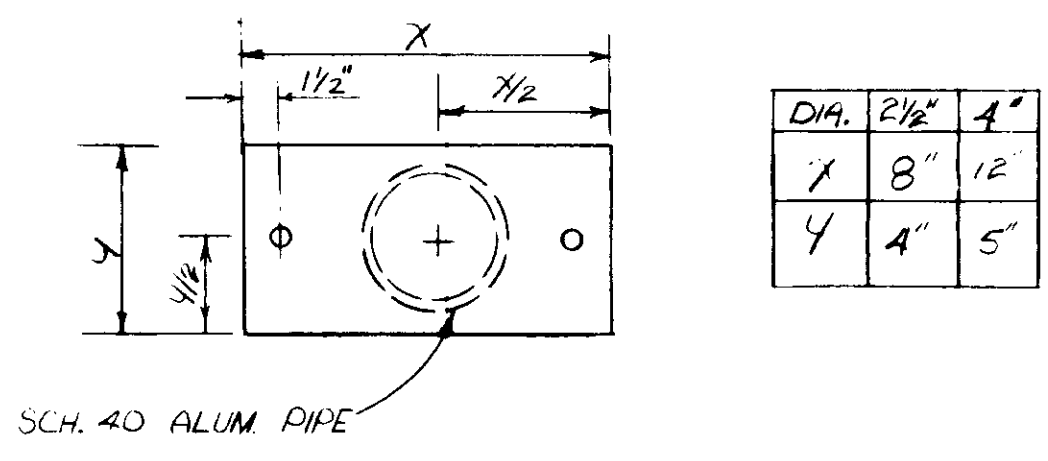
DETAIL 1

SECTION E

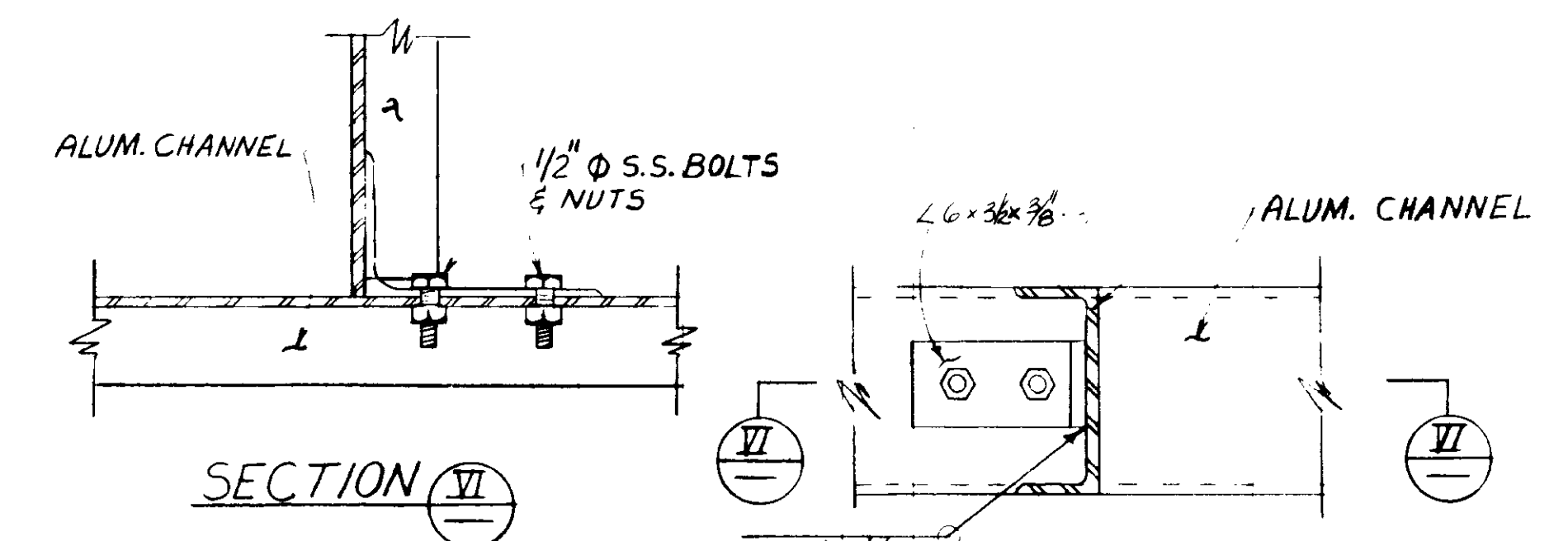
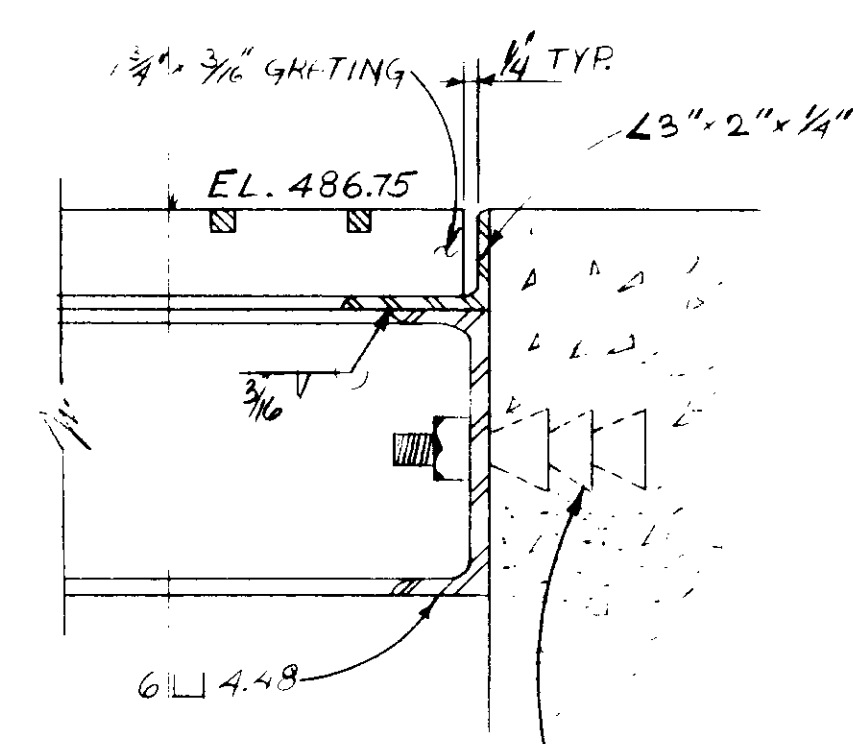
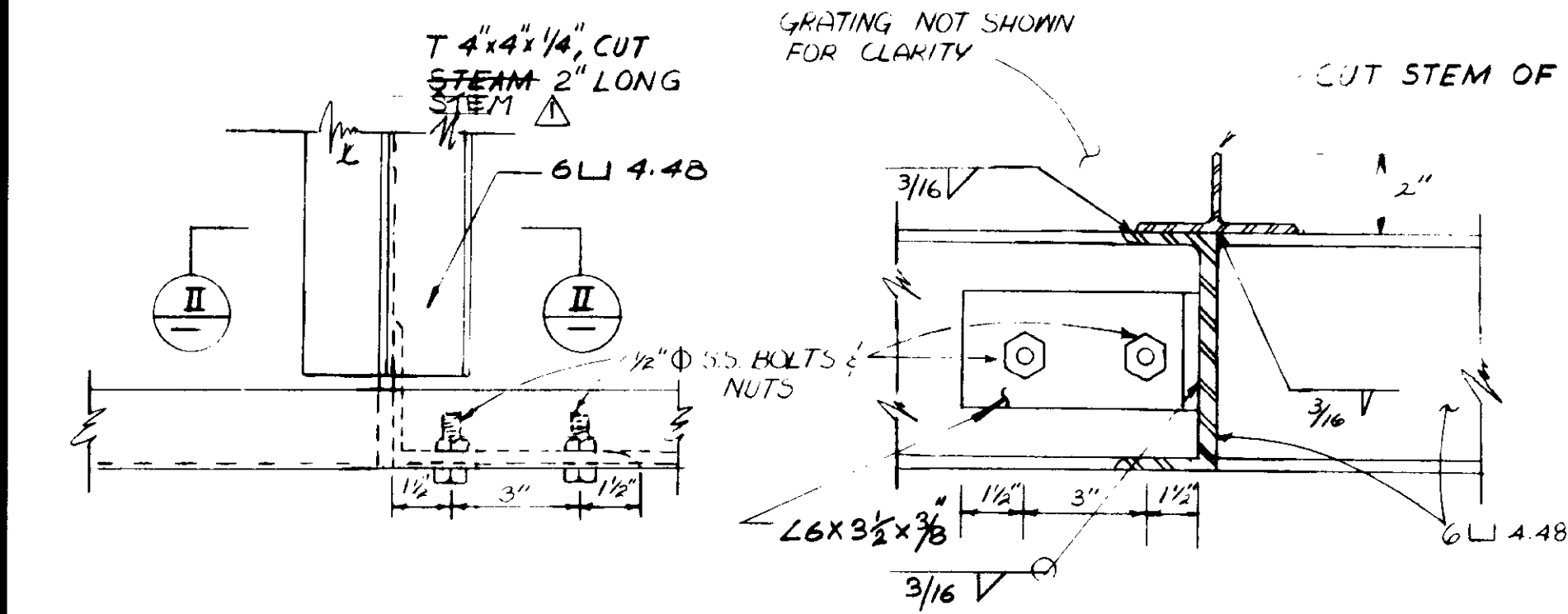
03195

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alger
[Signature]
KATSURA CONSULTING ENGINEERS RCE 14088
March 1988

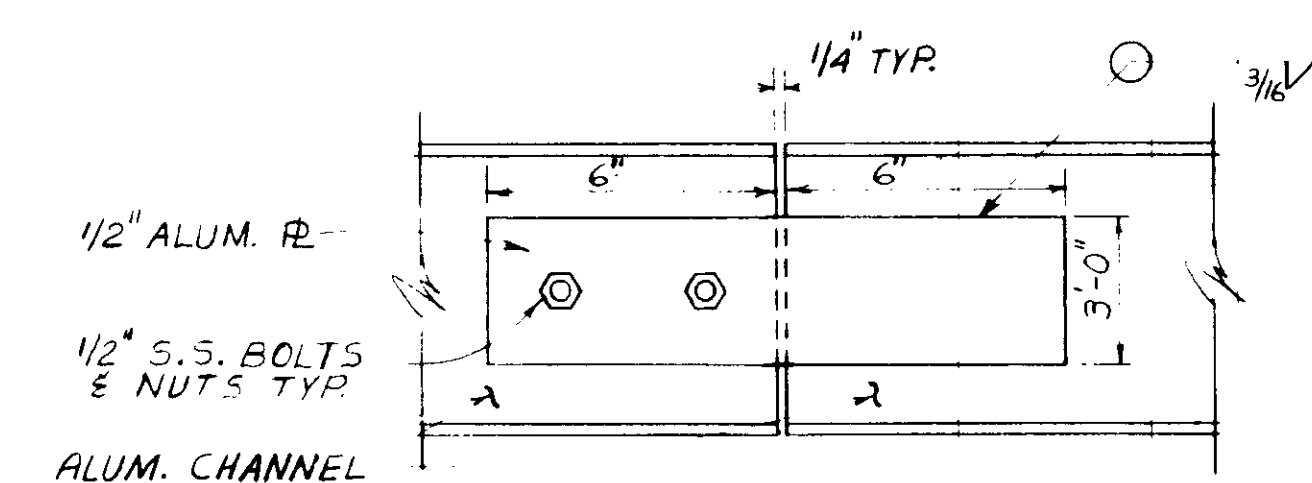
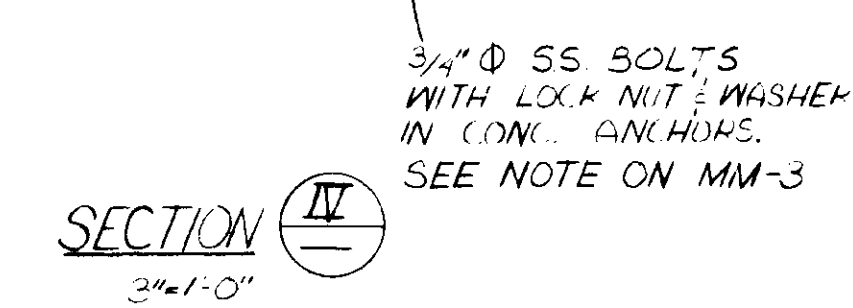
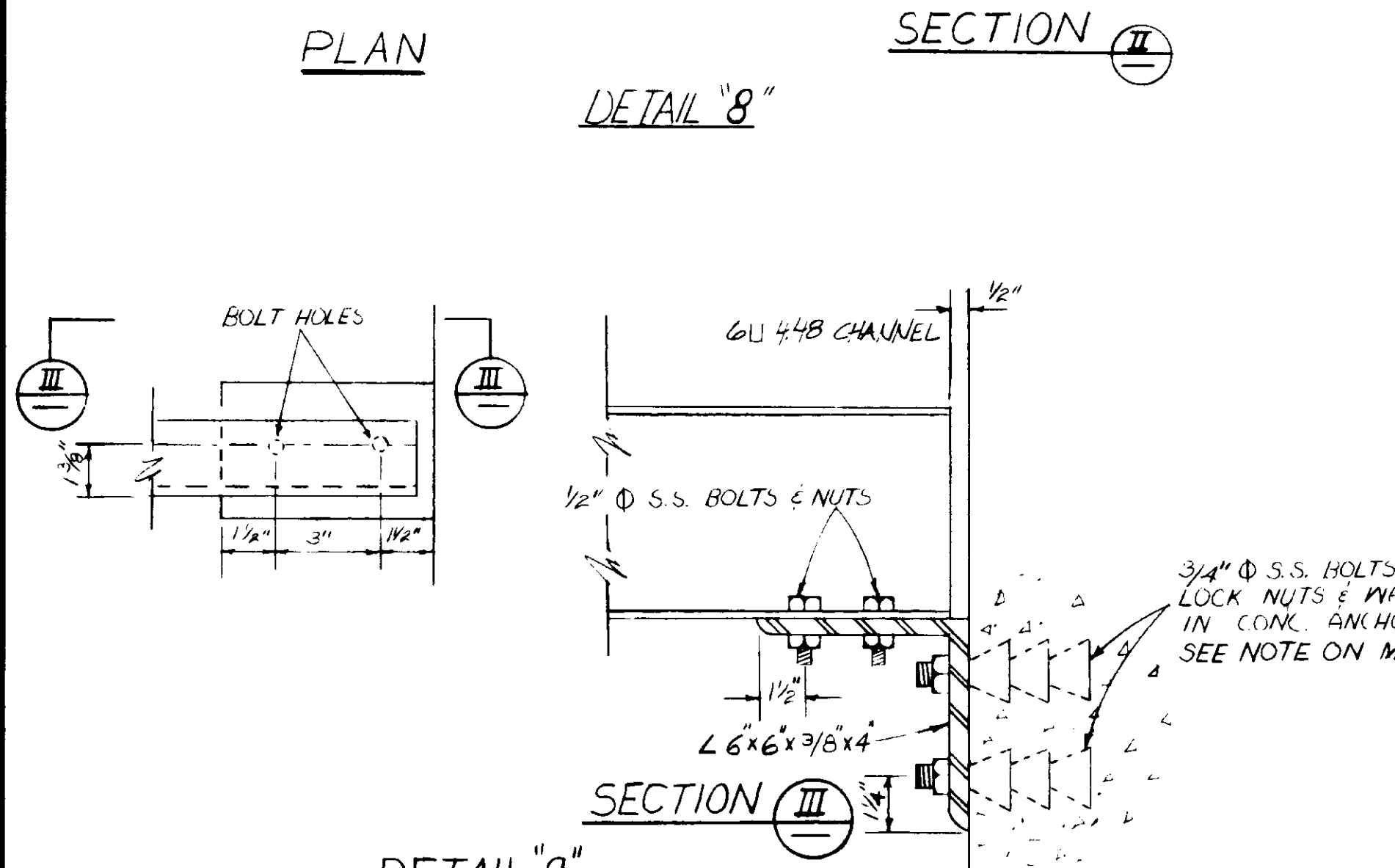
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION	SCALE :	AAA	SUBMITTED	14038	8/15/79	CONSULTING ENGINEERS A JOINT VENTURE 5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018 (213) 933-9117	LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. MISCELLANEOUS METALS GALLERY NO. 6 PLATFORM - DETAILS I	SHEET MM-3
								AS NOTED	AAA	PROJECT MANAGER	R.C.E. NO.	DATE			
									SK	PROJECT ADMINISTRATOR	14894	8/15/79			
									CHECKED		R.C.E. NO.	DATE			



TYPICAL ALUM. CHANNEL CONNECTION
DETAIL "11"



TYPICAL ALUM. CHANNEL CONNECTION
DETAIL "12"



TYPICAL ALUM. CHANNEL SPLICER (SEE NOTE 1)
DETAIL "13"

NOTE
1. CHANNEL SPLICER TO BE LOCATED 2'-0" MAX. FROM SUPPORT

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
KATBURA CONSULTING ENGINEERS
March 1986

03196

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

SCALE :
3" = 1'-0"

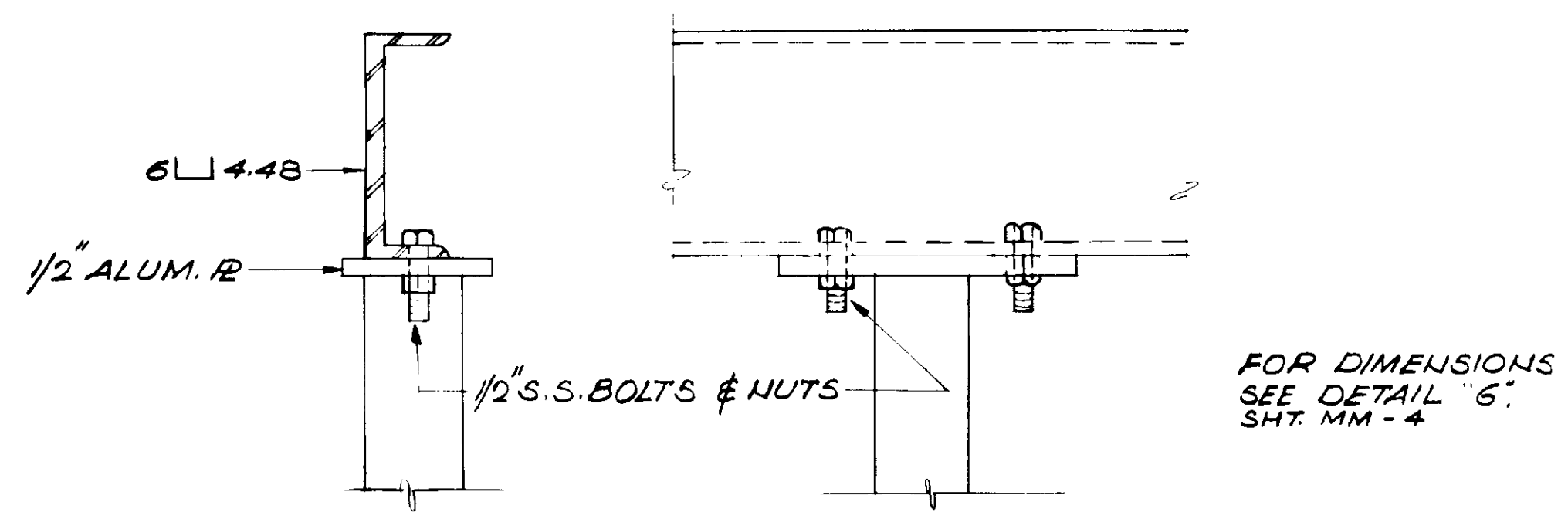
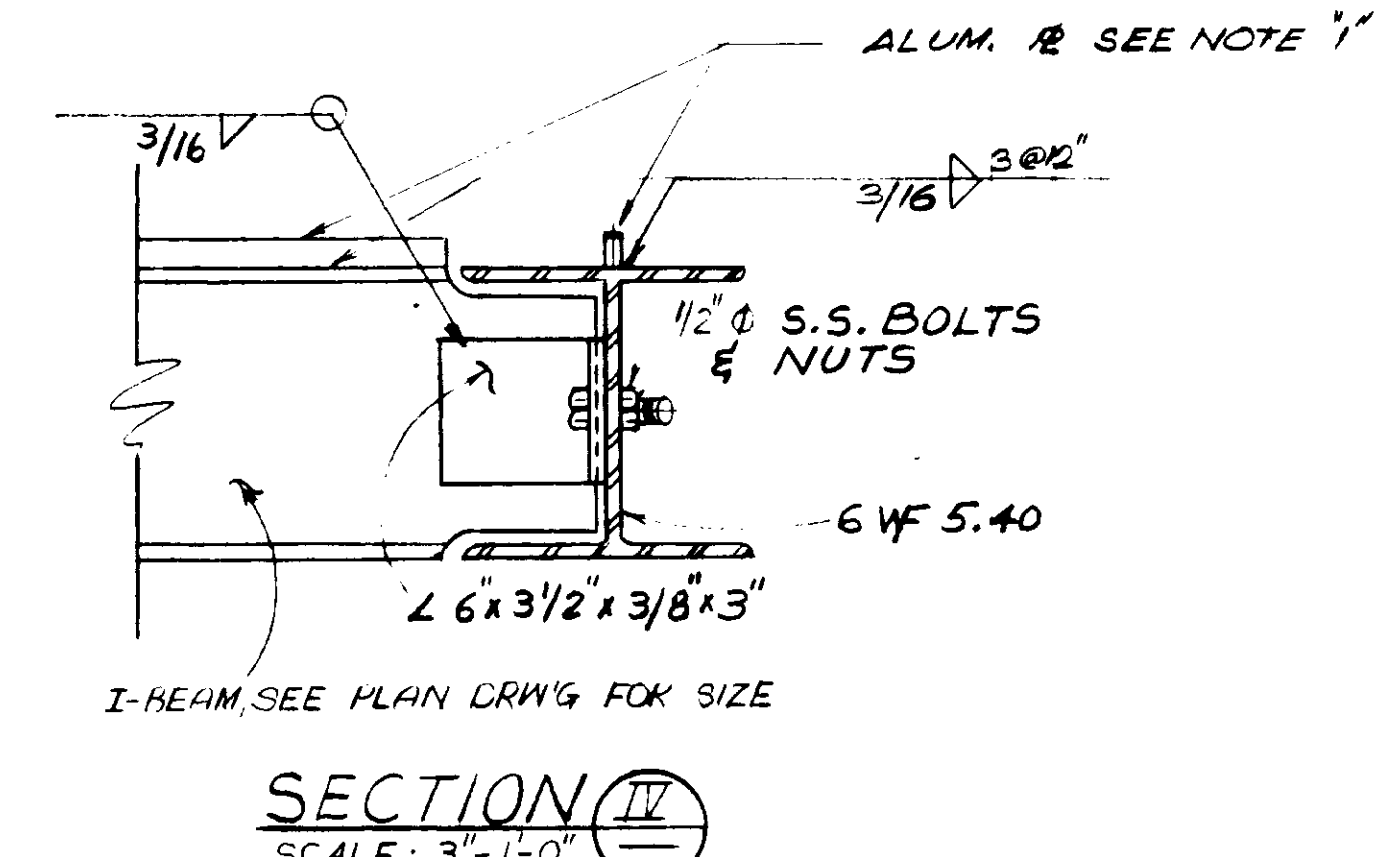
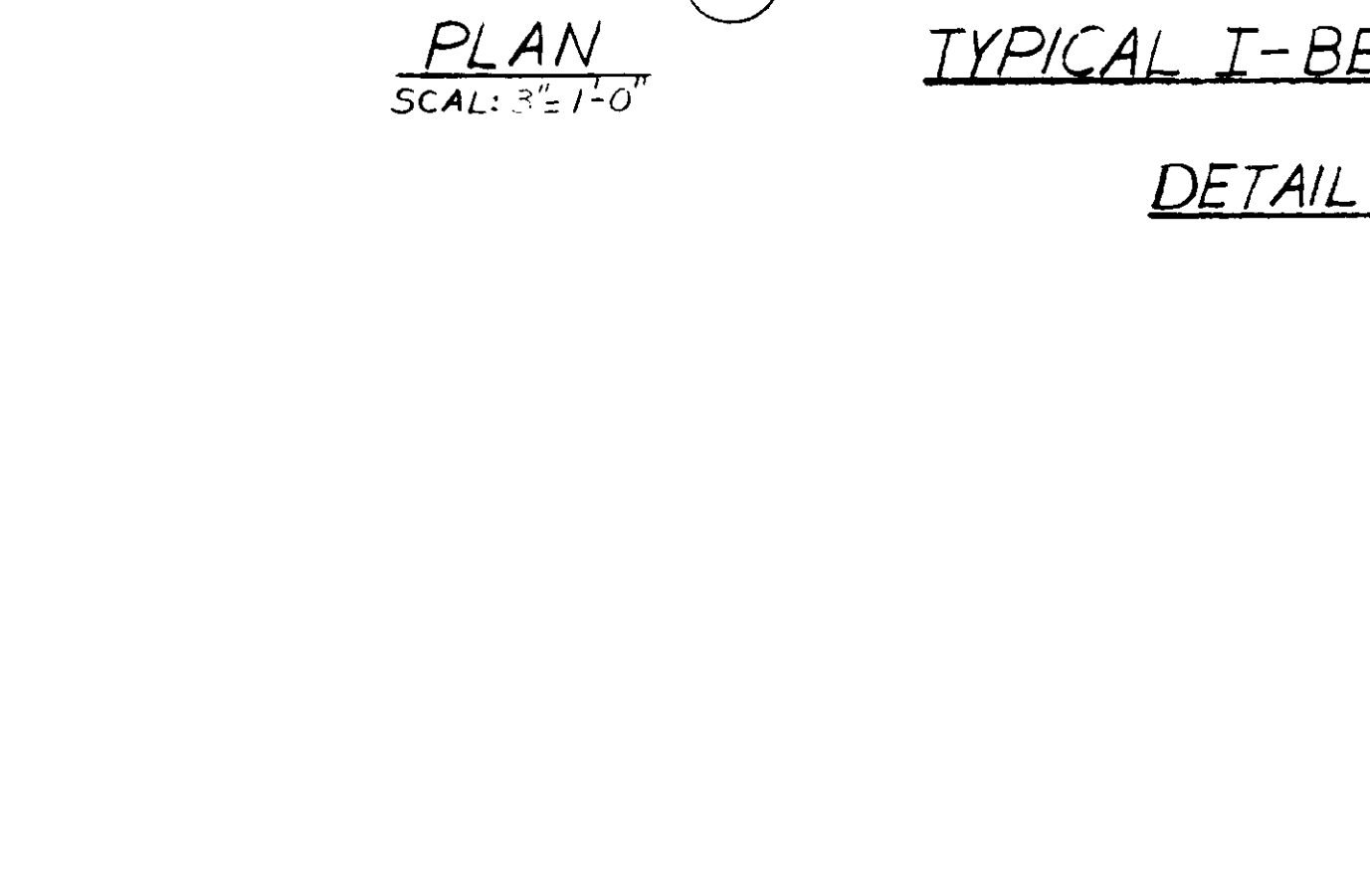
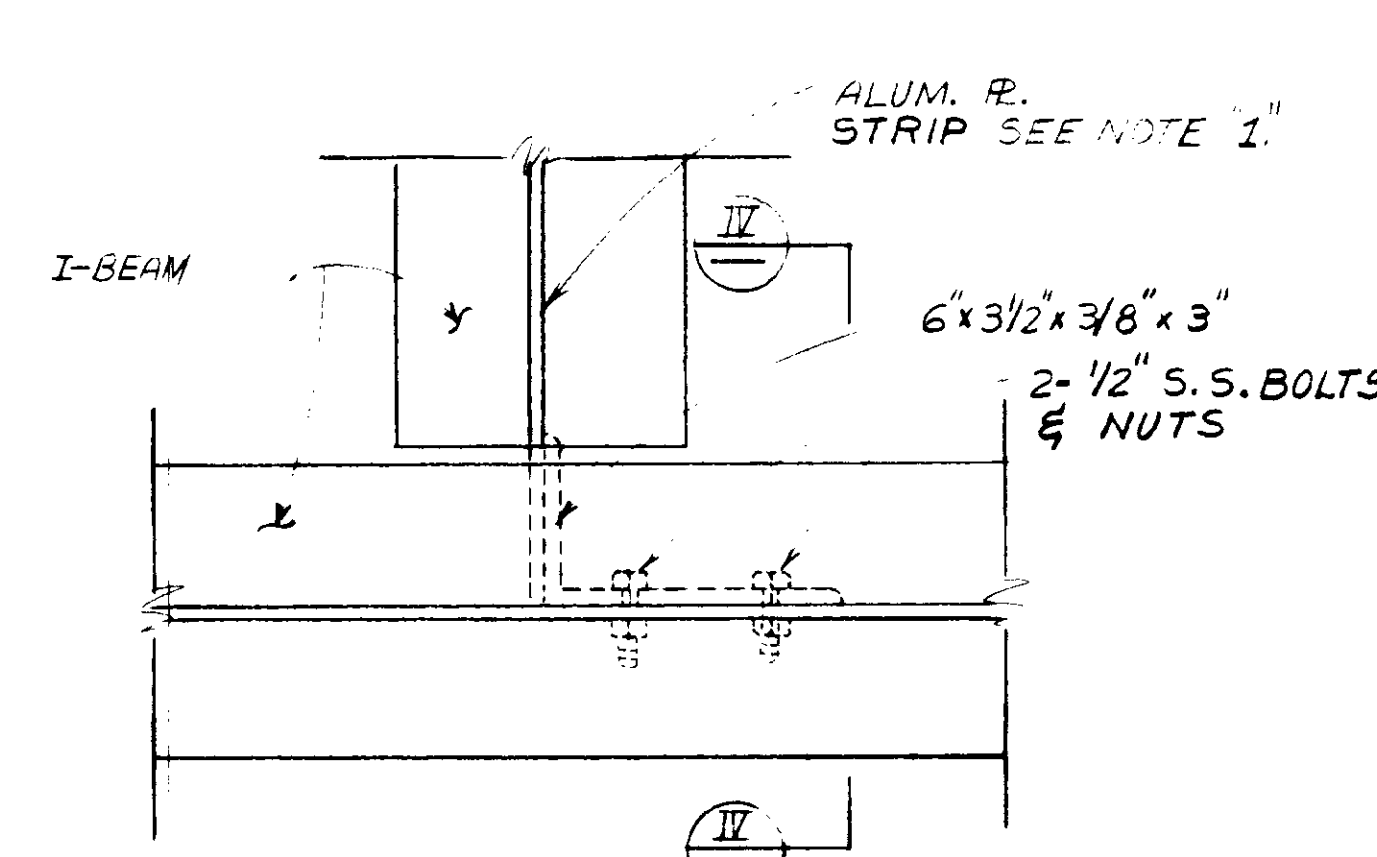
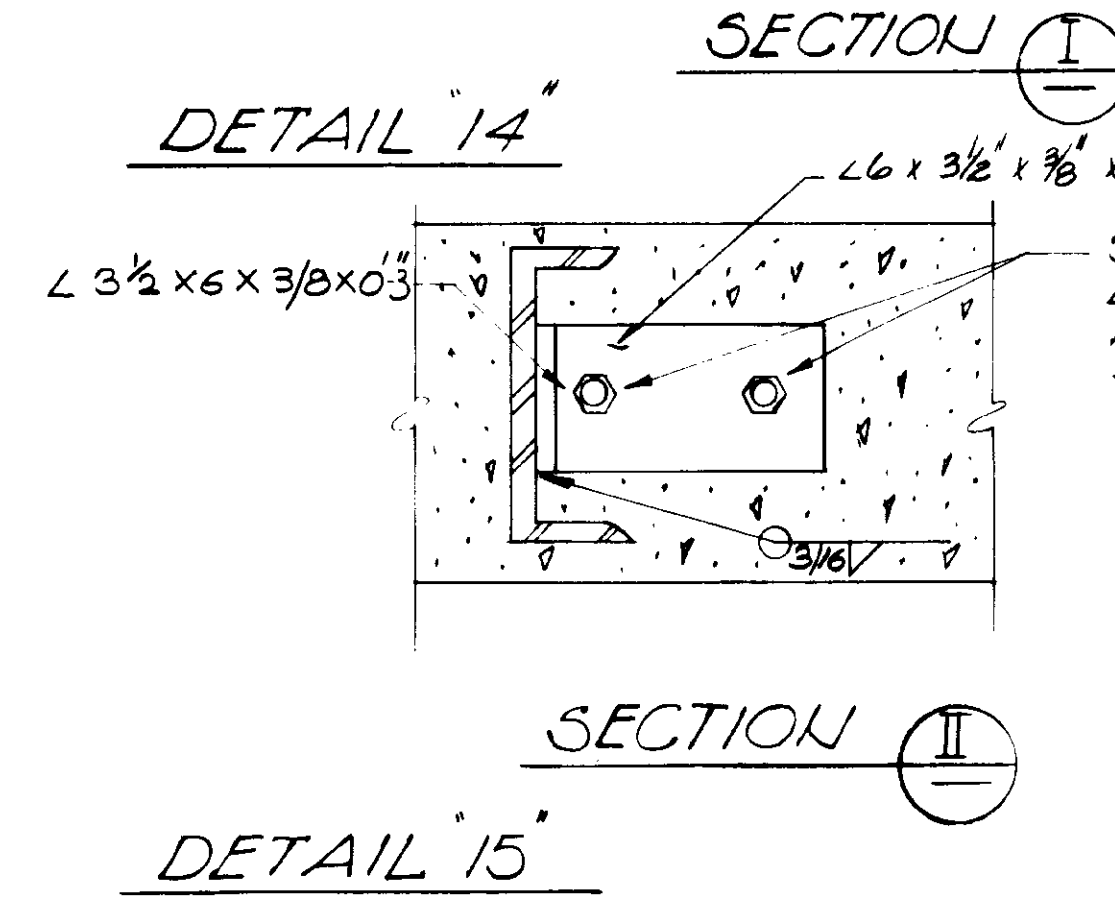
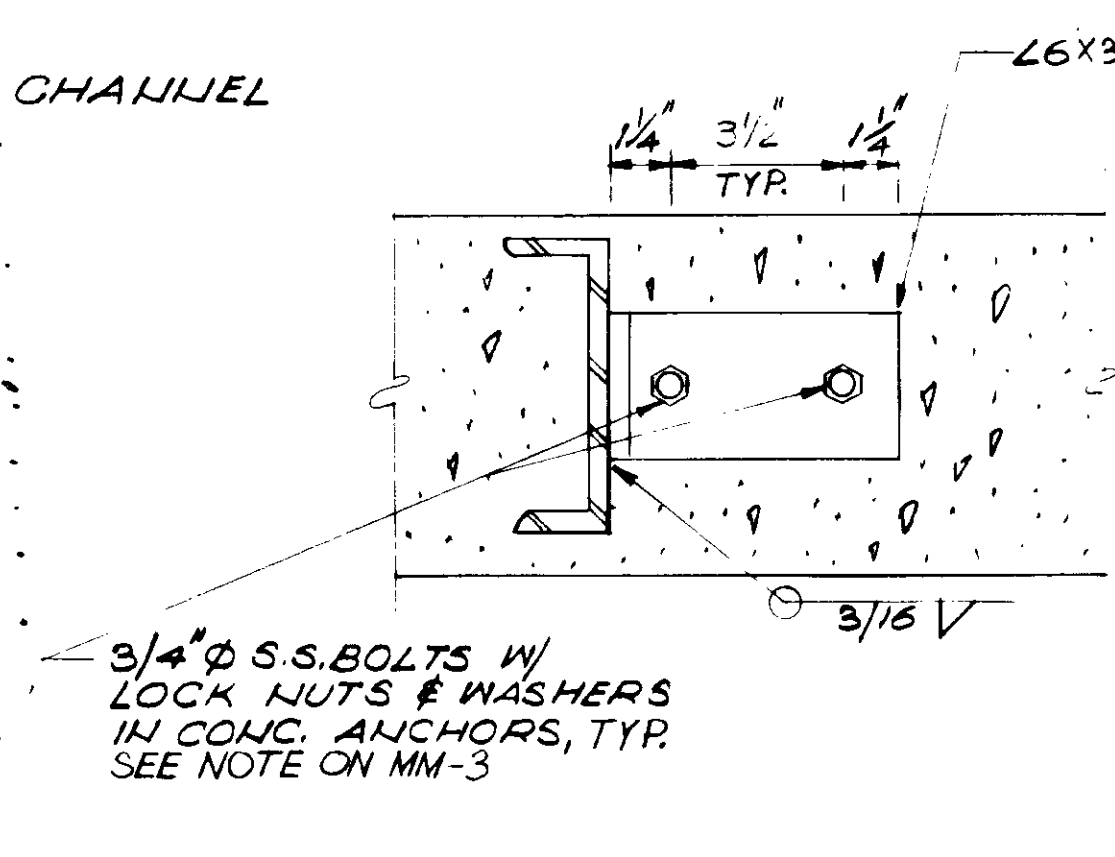
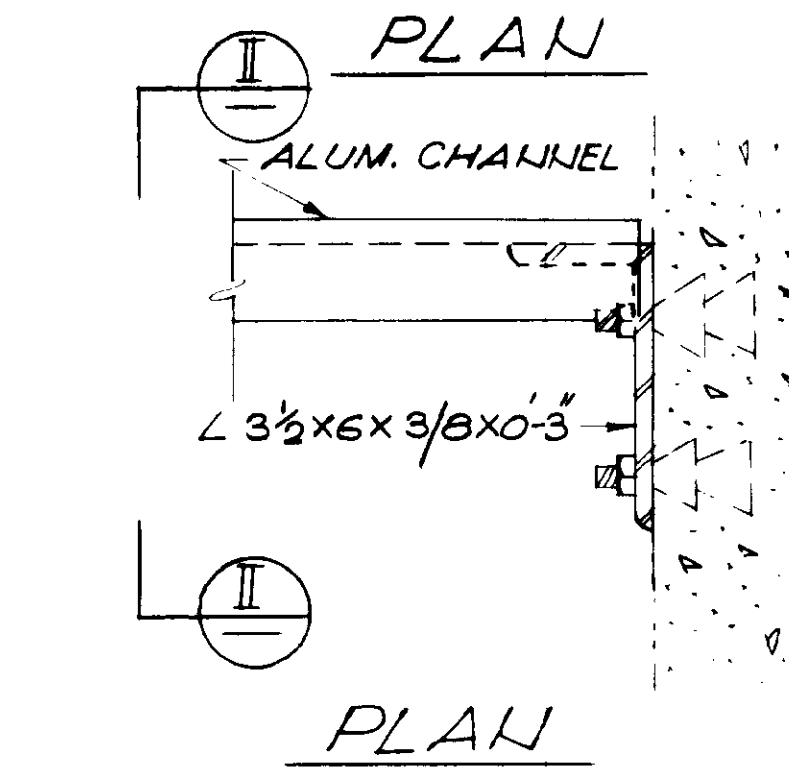
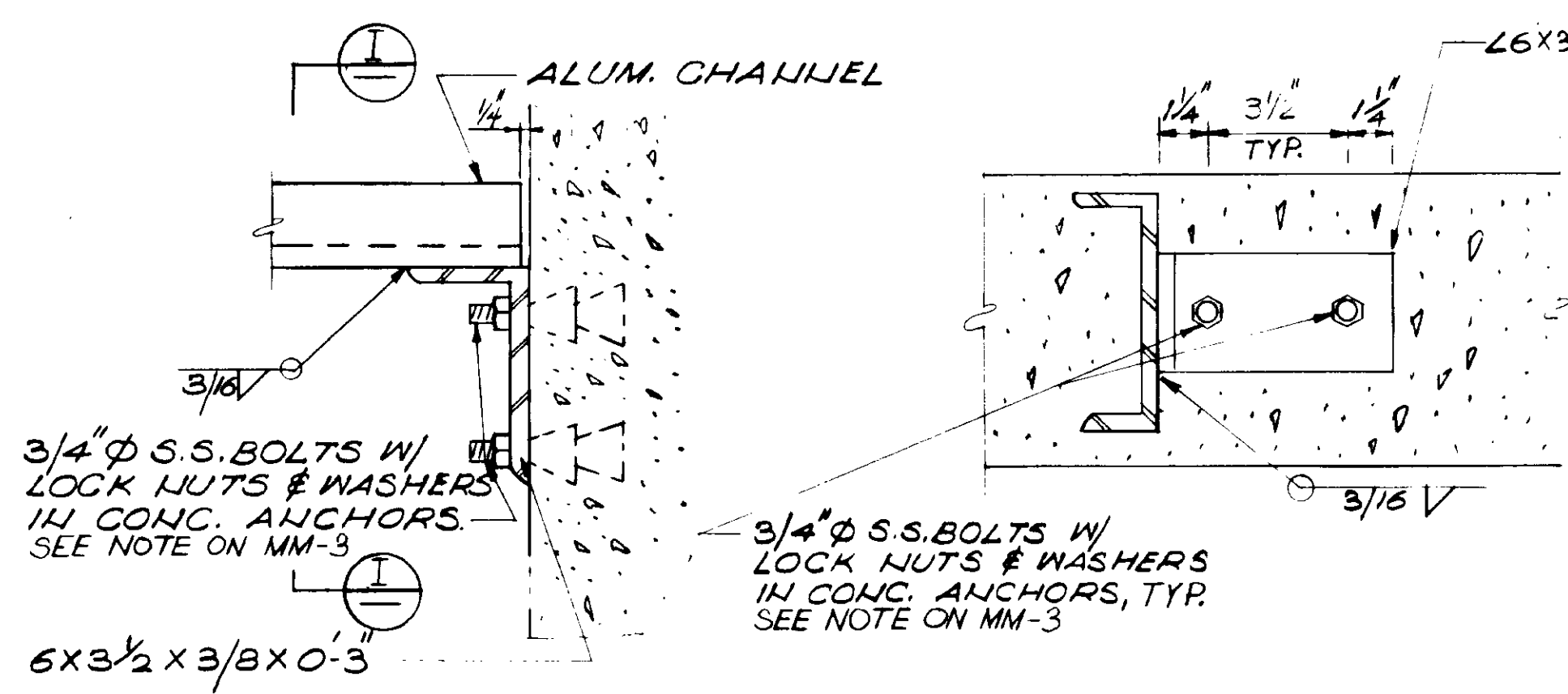
AAA
DESIGNED
444
DRAWN
S.K.
CHECKED

SUBMITTED
[Signature]
PROJECT MANAGER
14038 8/15/79
R.C.E. NO. DATE
[Signature]
PROJECT ADMINISTRATOR
14894 8/15/79
R.C.E. NO. DATE

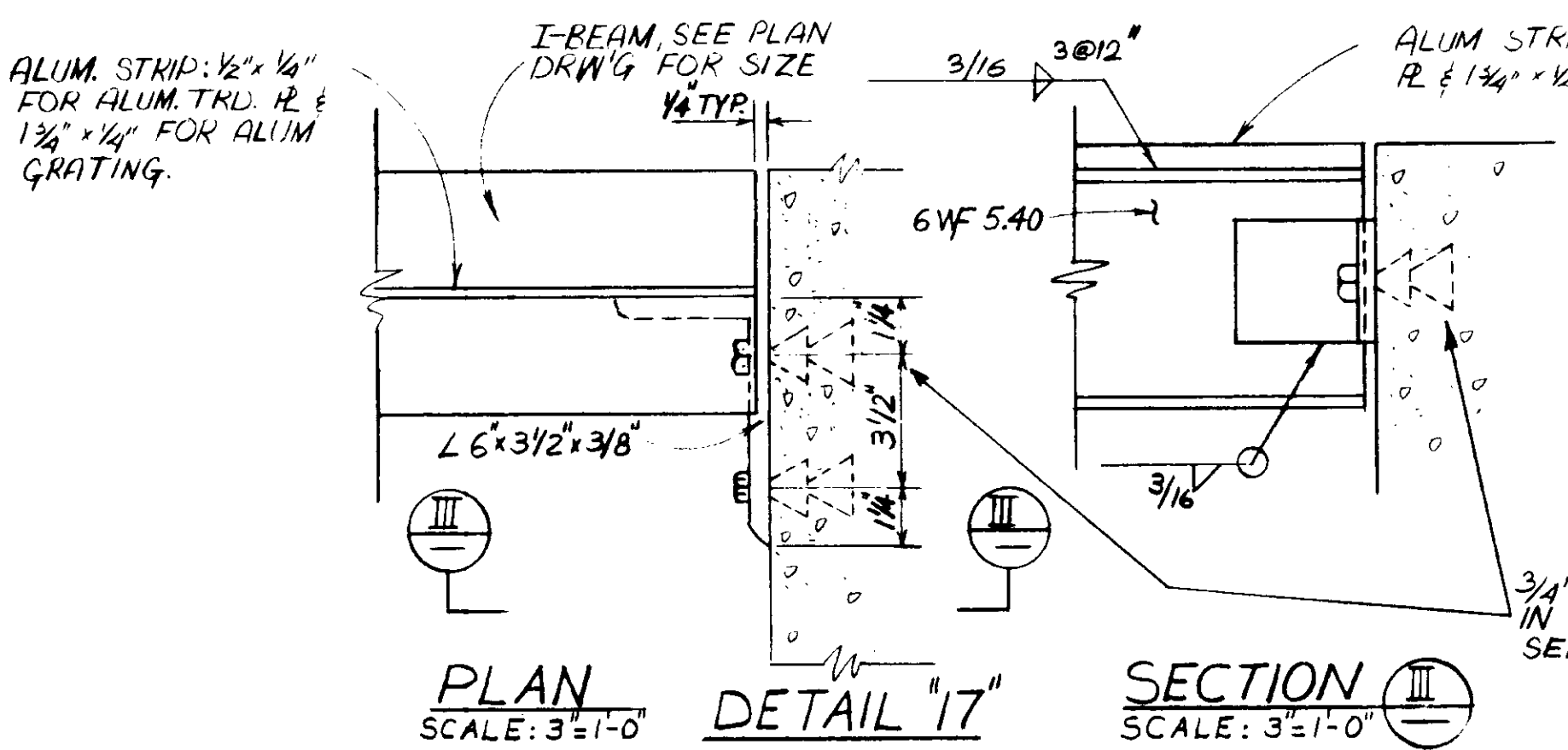
JKS CONSULTING ENGINEERS
A JOINT VENTURE
8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
MISCELLANEOUS METALS
GALLERY NO. 6 PLATFORM - DETAILS II

SHEET
MM-4



DETAIL 16



NOTE 1
FOR TREAD R. 1/2" x 1/4"
FOR GRATING 1 3/4" x 1/4"

3/4" S.S. BOLTS W/ LOCK NUTS & WASHERS IN CONC. ANCHOR. SEE NOTE ON MM-3

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

SCALE: 3"=1'-0"

DESIGNED: DWV
DRAWN: DWV
CHECKED: S.K.

SUBMITTED: *[Signature]* 14038 8/15/79
PROJECT MANAGER: R.C.E. NO. DATE
PROJECT ADMINISTRATOR: *[Signature]* 14894 8/15/79
R.C.E. NO. DATE

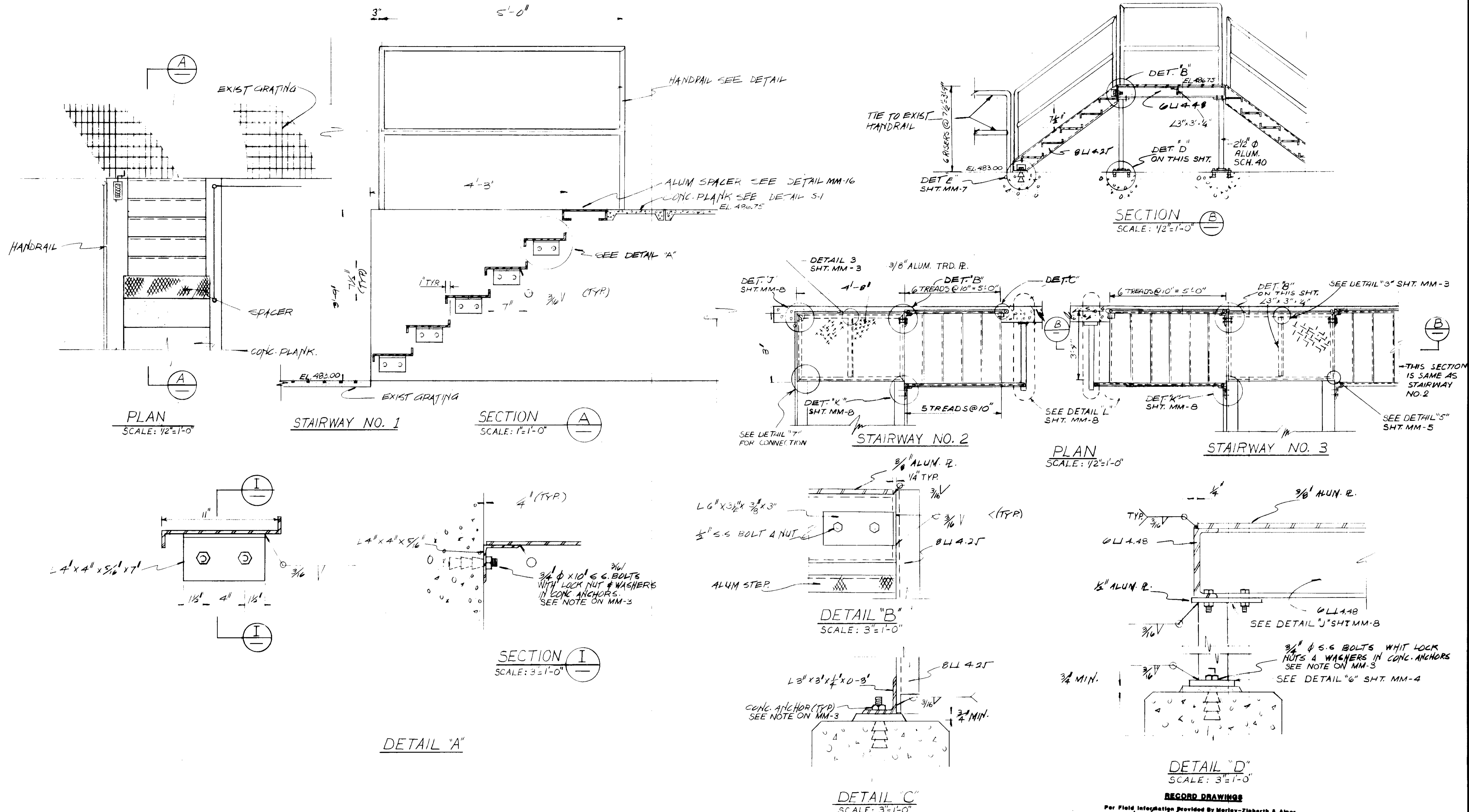
JKG CONSULTING ENGINEERS
A JOINT VENTURE
5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

RECORD DRAWINGS
Per Field Information Provided By Merley-Ziebarth & Alber
[Signature] RCE 14038
KATSURA CONSULTING ENGINEERS March 1988

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
MISCELLANEOUS METALS
GALLERY NO. 6 PLATFORM - DETAILS III

03197

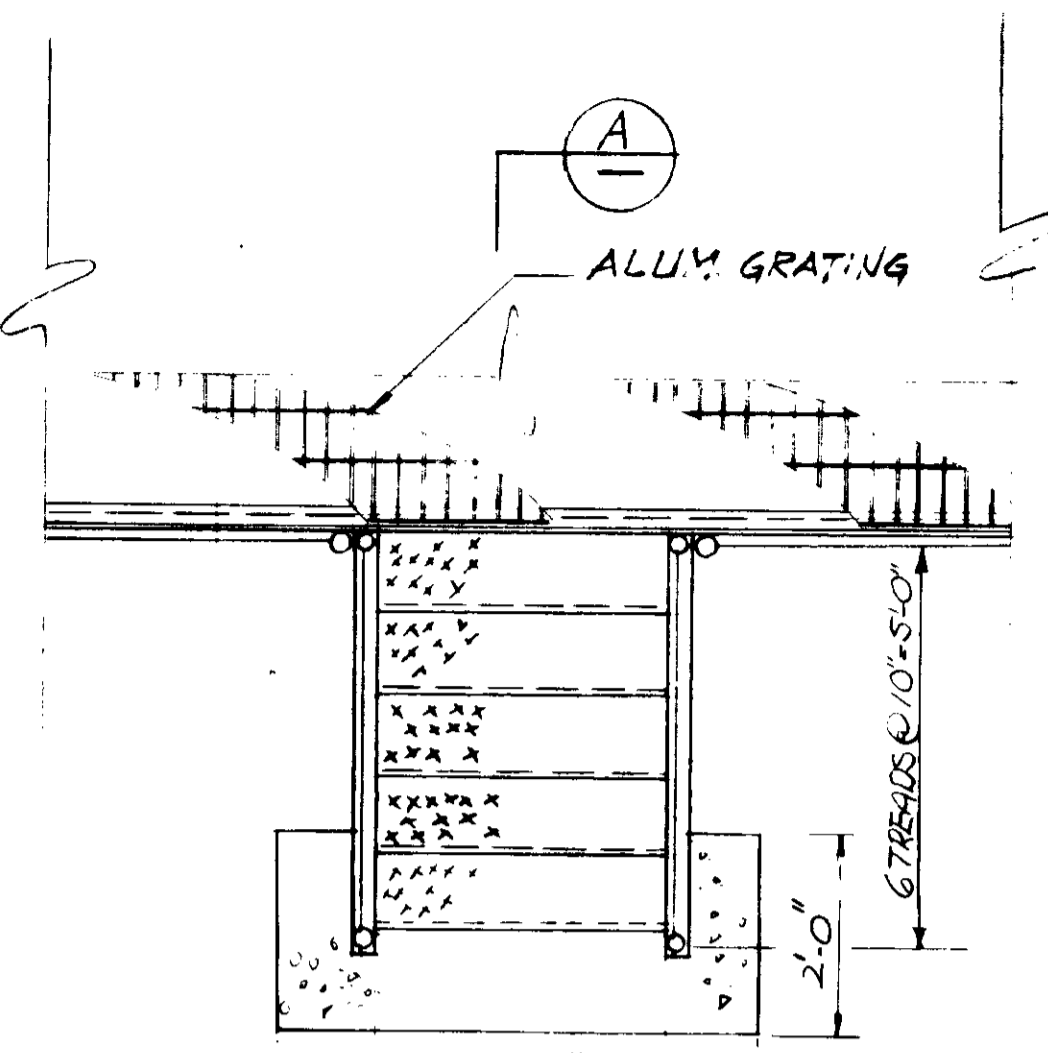
SHEET MM-5



RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alger
[Signature]
 RCE 14038
 KATSURA CONSULTING ENGINEERS
 March 1988

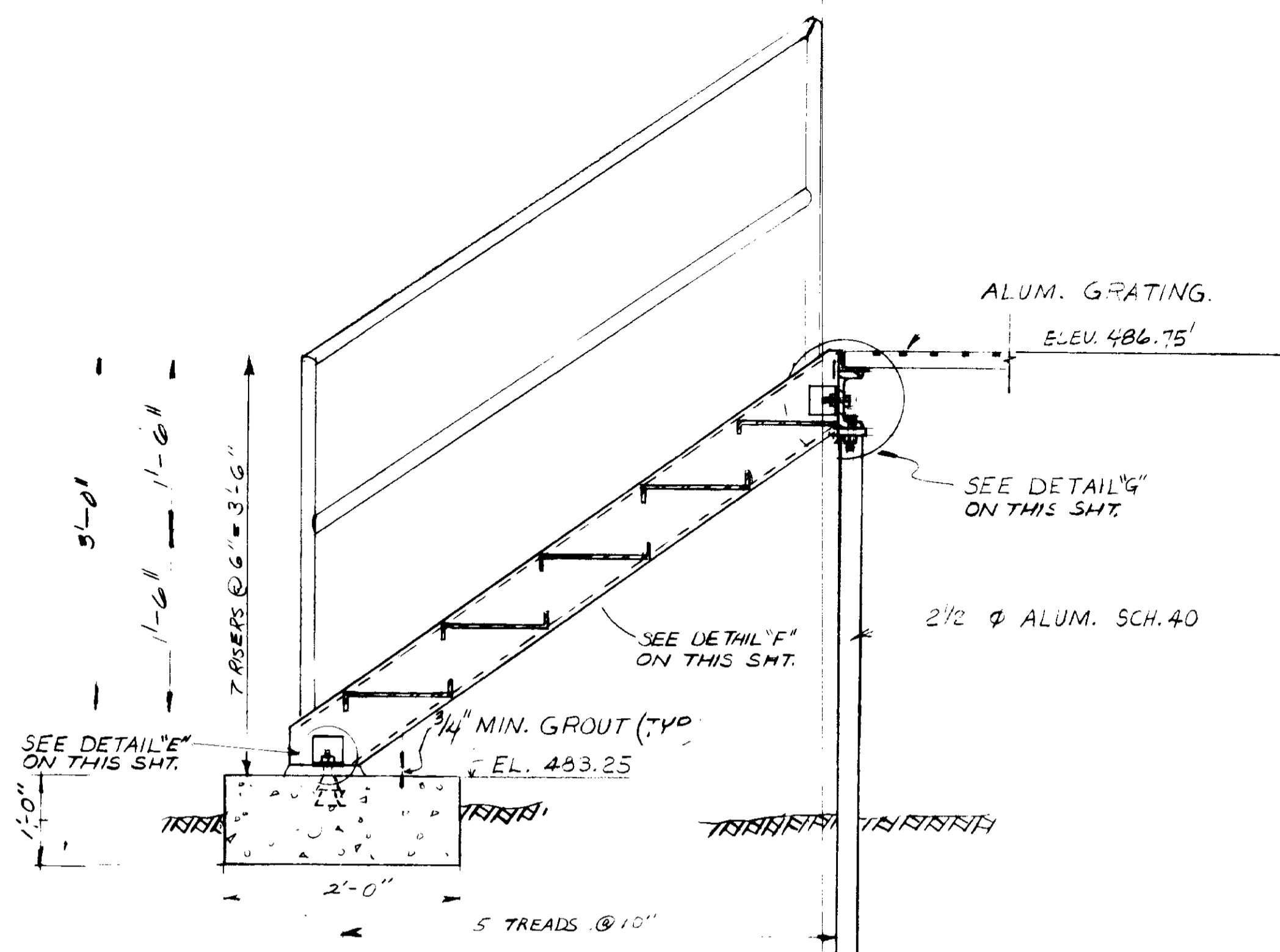
03198

SCALE: AS NOTED		DESIGNED: DWV		SUBMITTED: <i>[Signature]</i> 14038 8/15/79		CONSULTING ENGINEERS A JOINT VENTURE 8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 933-9117		LAS VIRGENES MUNICIPAL WATER DISTRICT		SHEET	
DRAWN: DWV		CHECKED: <i>[Signature]</i>		PROJECT MANAGER: <i>[Signature]</i> R.C.E. NO. DATE				MISCELLANEOUS METALS		SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.	
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION	STAIRWAYS NO. 1, 2 & 3		March 1988	



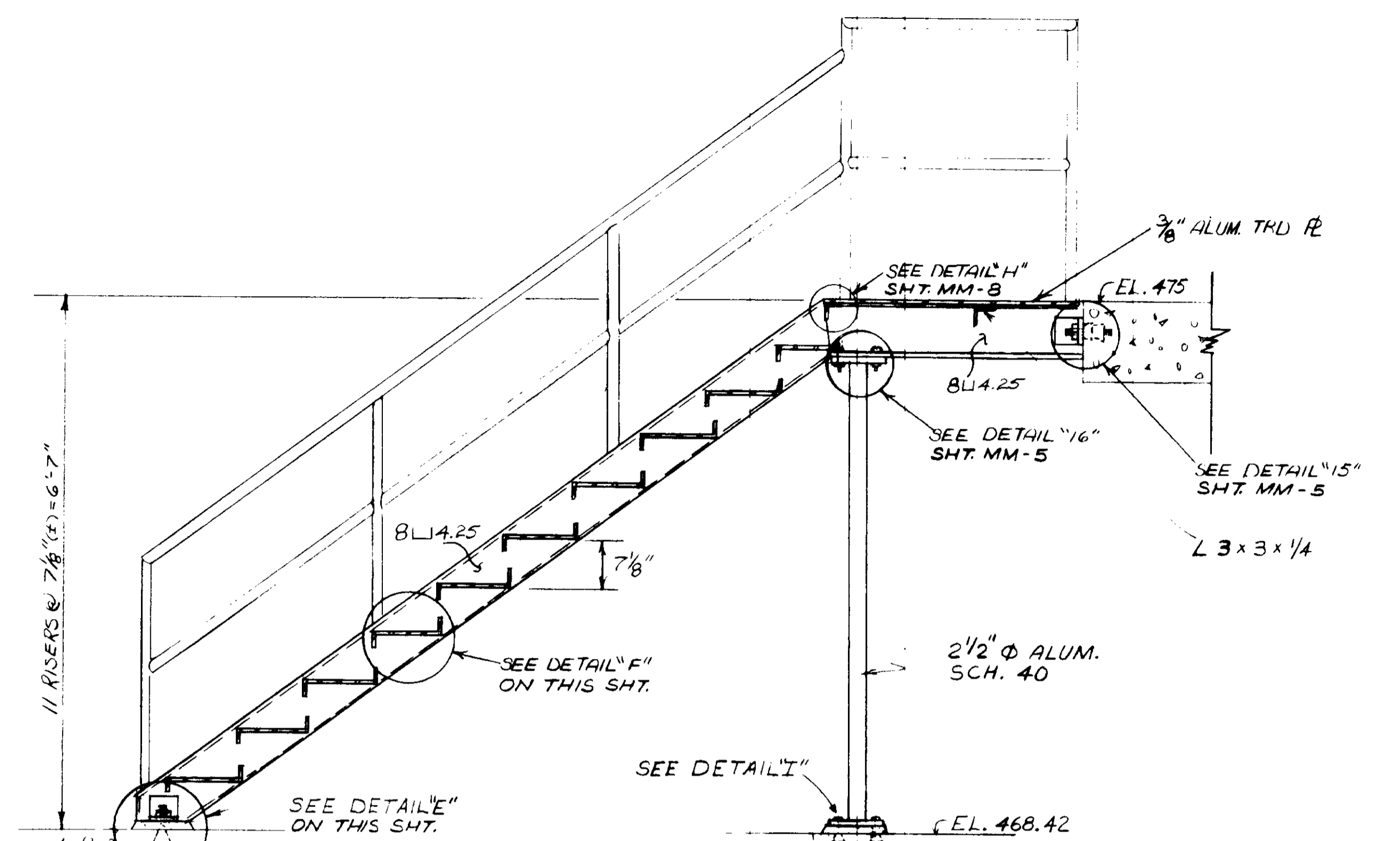
PLAN
SCALE: 1/2"=1'-0"

STAIRWAY NO. 4



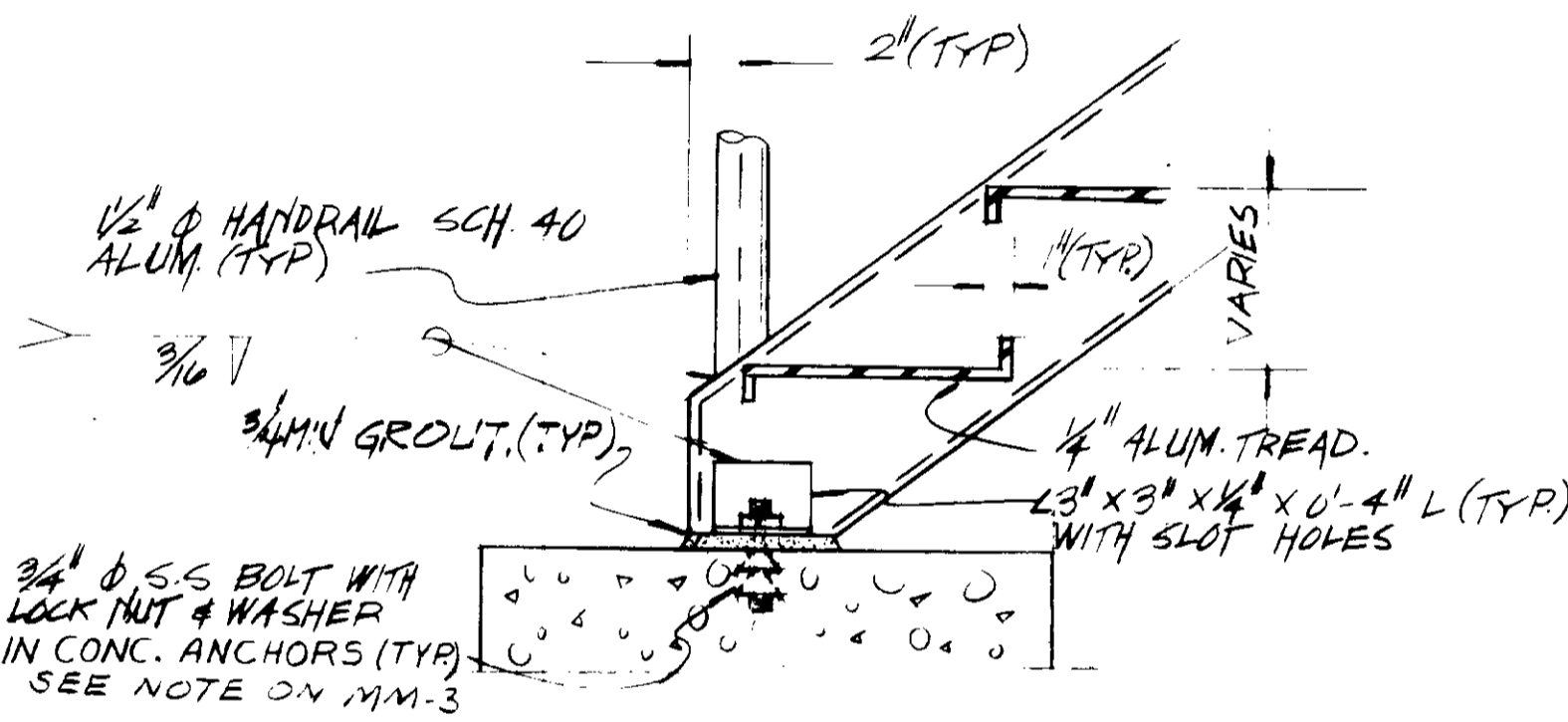
SECTION A
SCALE: 1"=1'-0"

STAIRWAY NO. 4

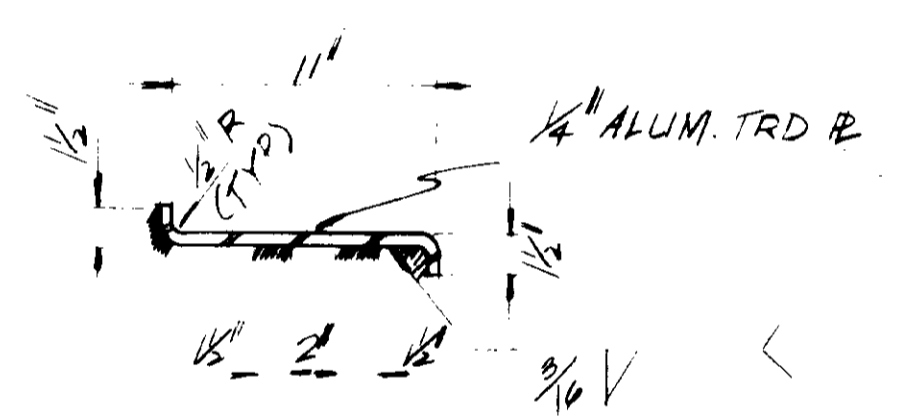


SECTION B
SCALE: 3/4"=1'-0"

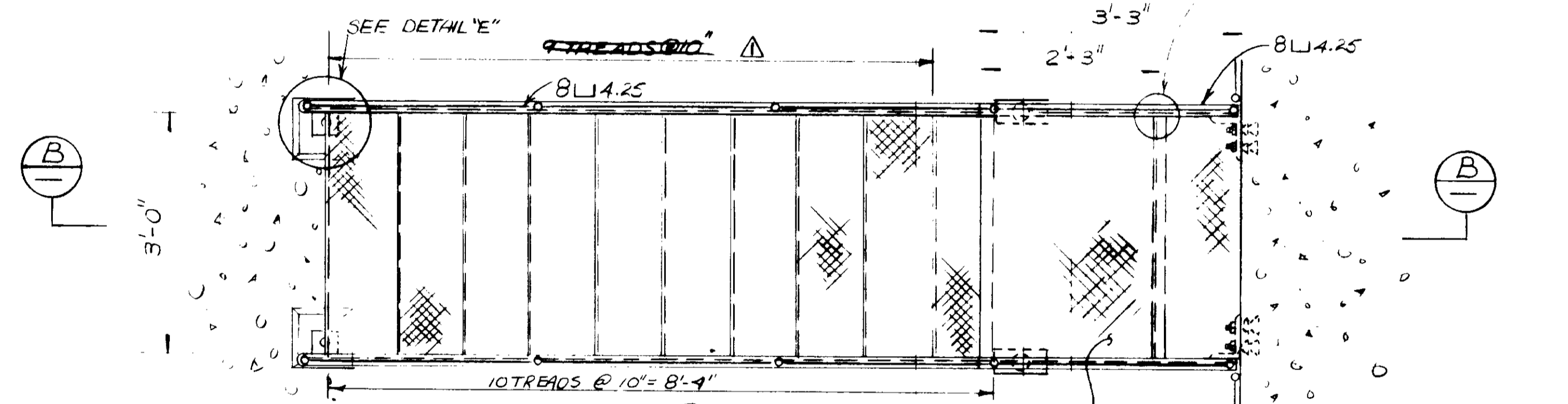
STAIRWAY NO. 5



DETAIL E
1/2"=1'-0"

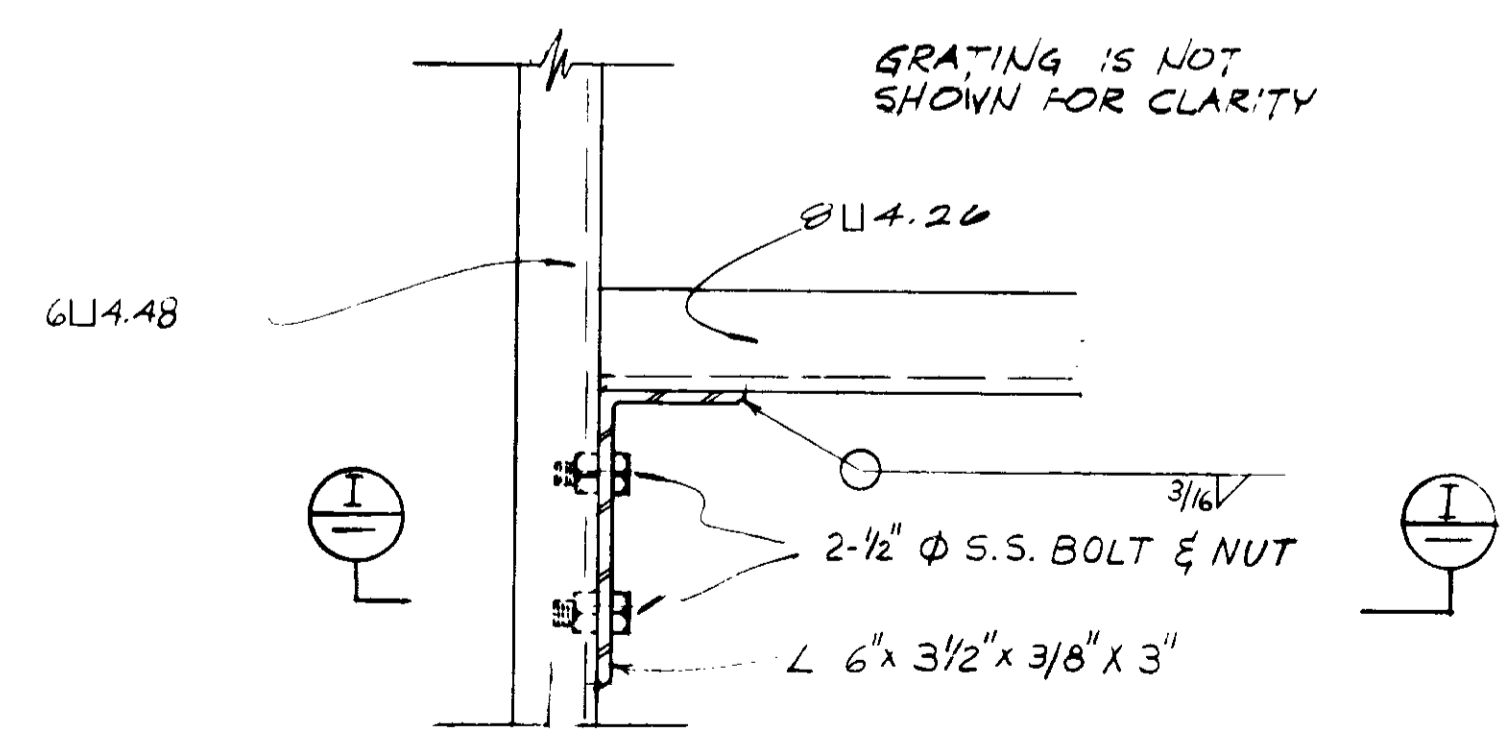


TYPICAL TREAD WELDING
DETAIL F
1/2"=1'-0"



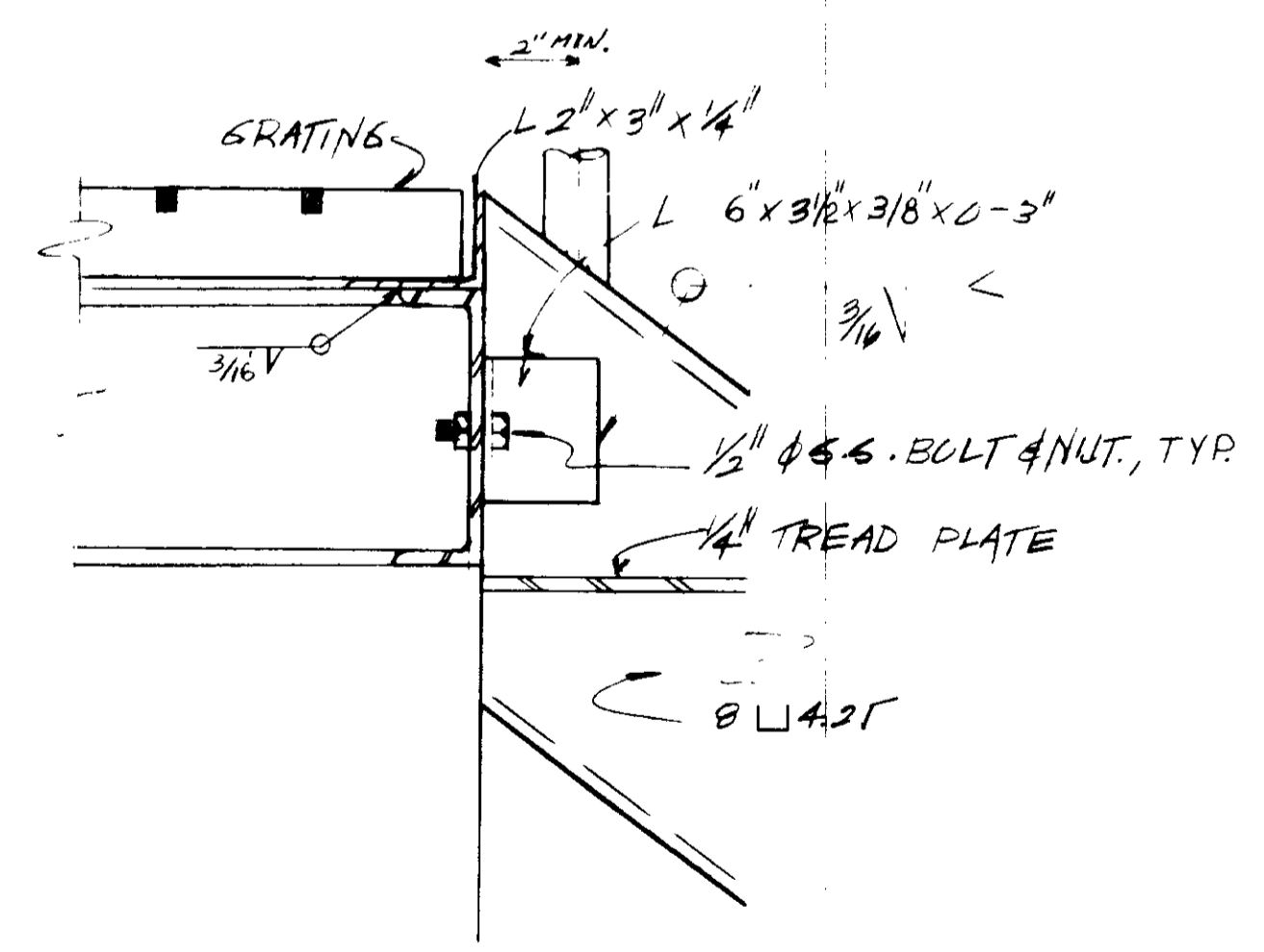
PLAN
SCALE: 3/4"=1'-0"

STAIRWAY NO. 5

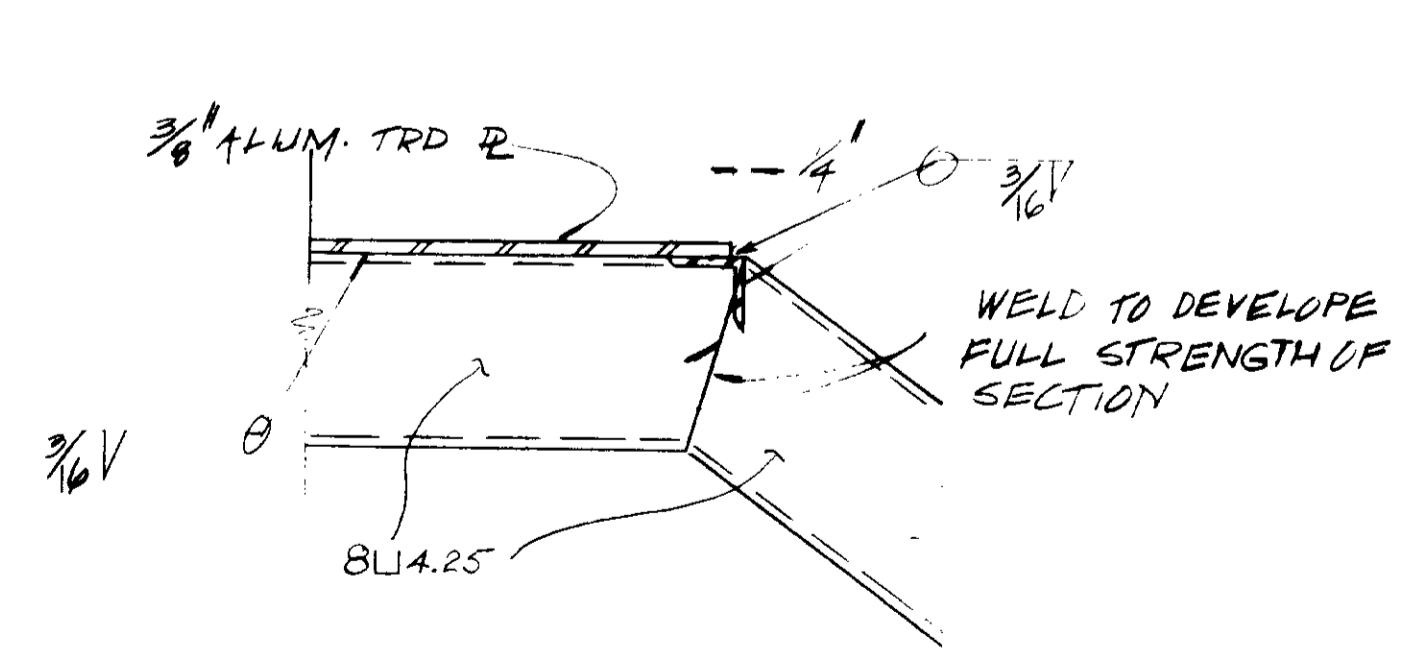


PLAN
SCALE: 3/4"=1'-0"

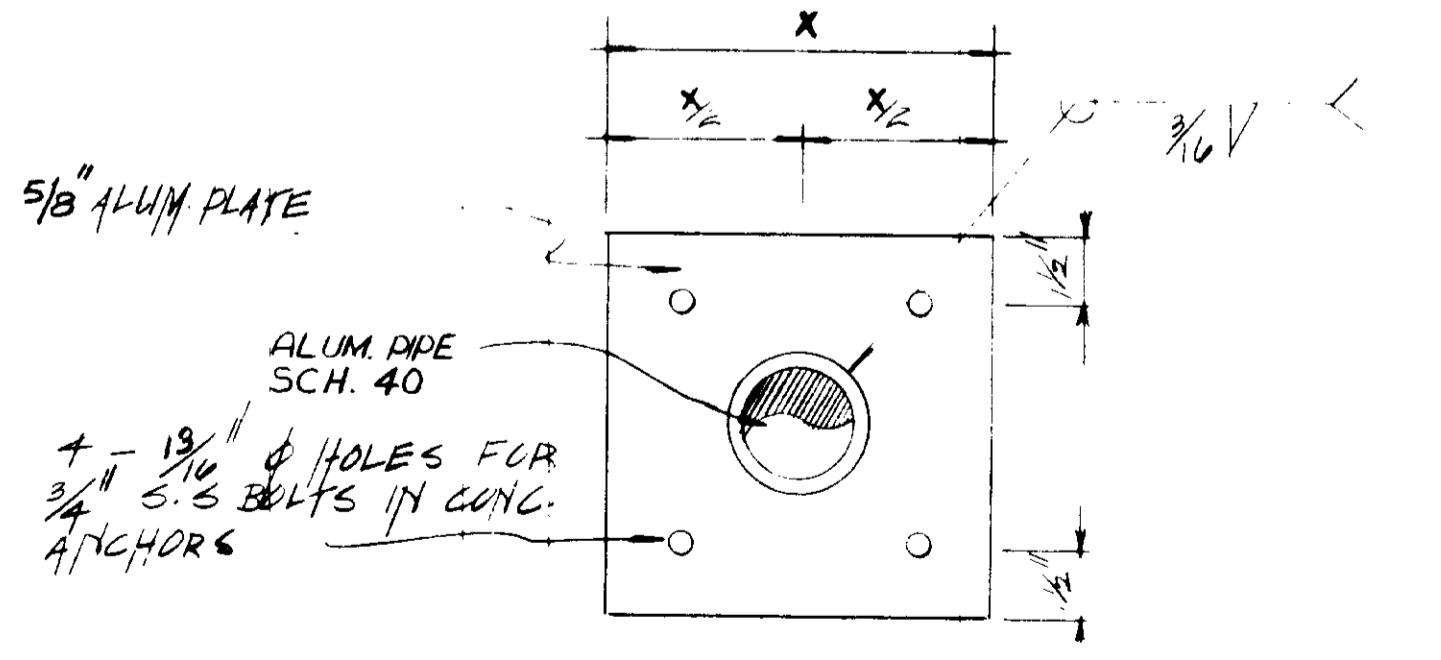
DETAIL G



SECTION I
3"=1'-0"



DETAIL H
3"=1'-0"



DETAIL I
3"=1'-0"

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS
March 1988

PIPE DIA.	2 1/2"	4"
X	8"	12"

03199

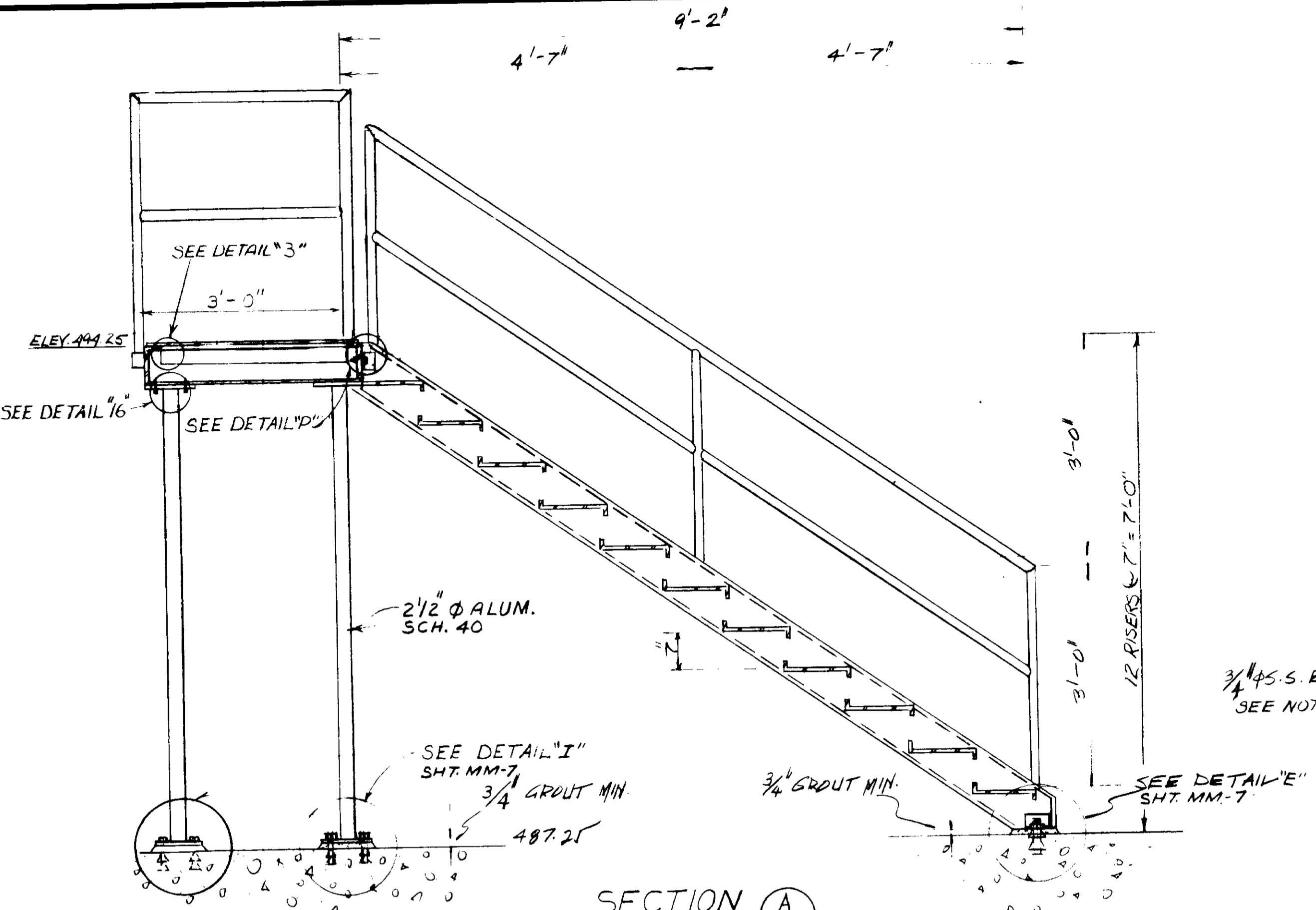
REV	DATE	BY	DESCRIPTION

SCALE :	DWV DESIGNED	14038	8/15/79
AS NOTED	DWV DRAWN	R.C.E. NO.	DATE

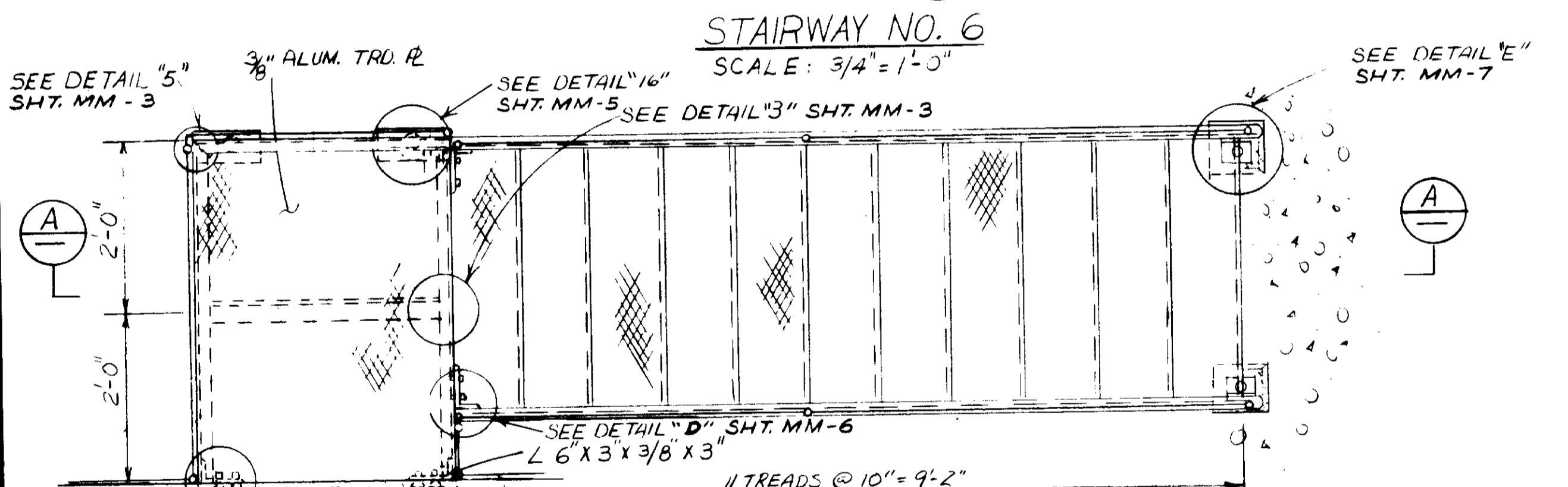
JKS CONSULTING ENGINEERS
A JOINT VENTURE
6801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-8117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
MISCELLANEOUS METALS
STAIRWAYS NO. 4 & 5

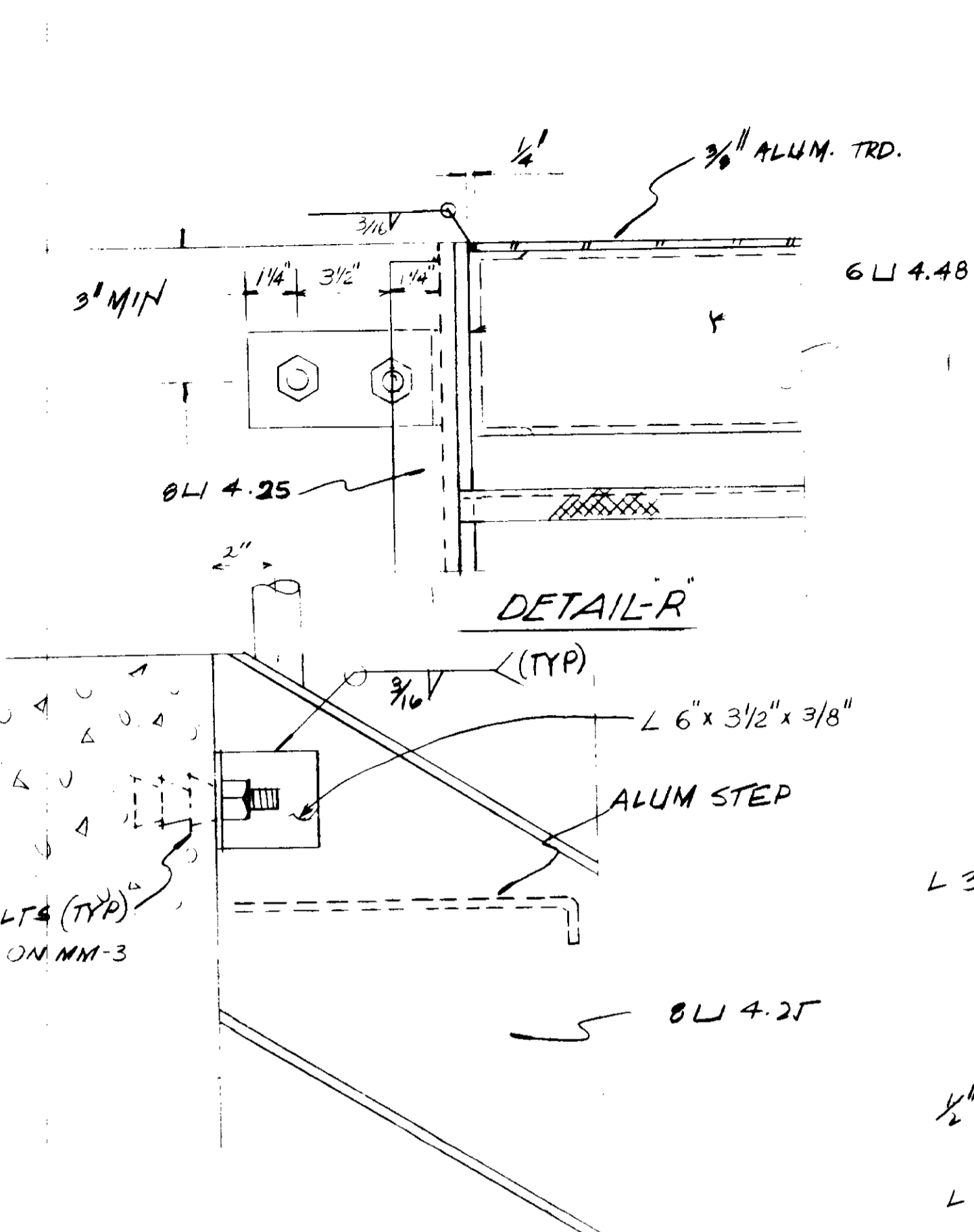
SHEET
MM-7



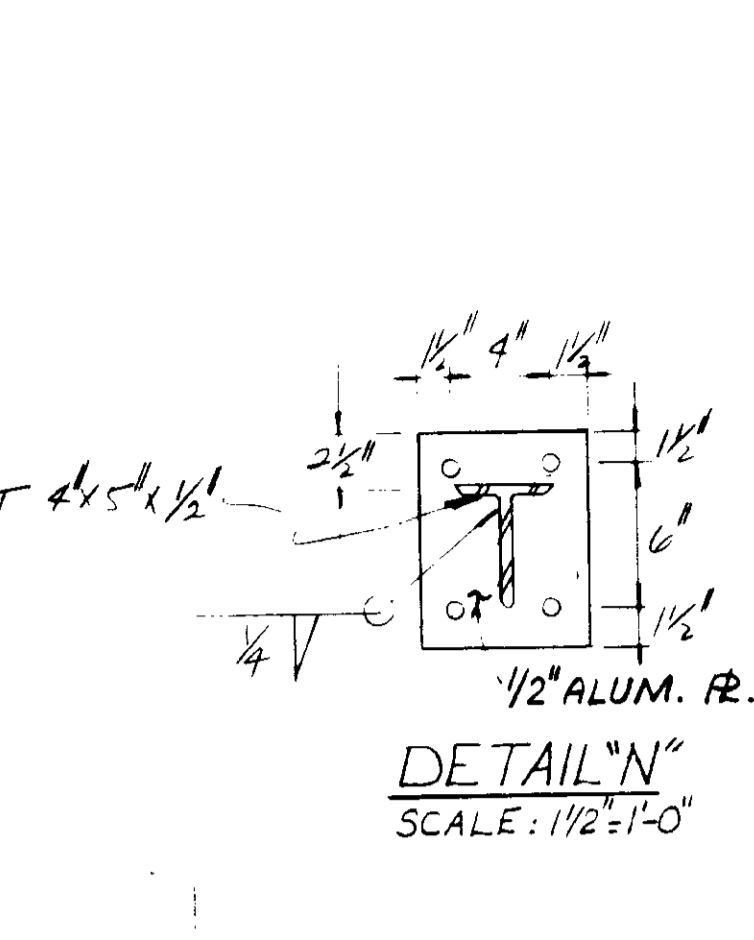
SECTION A



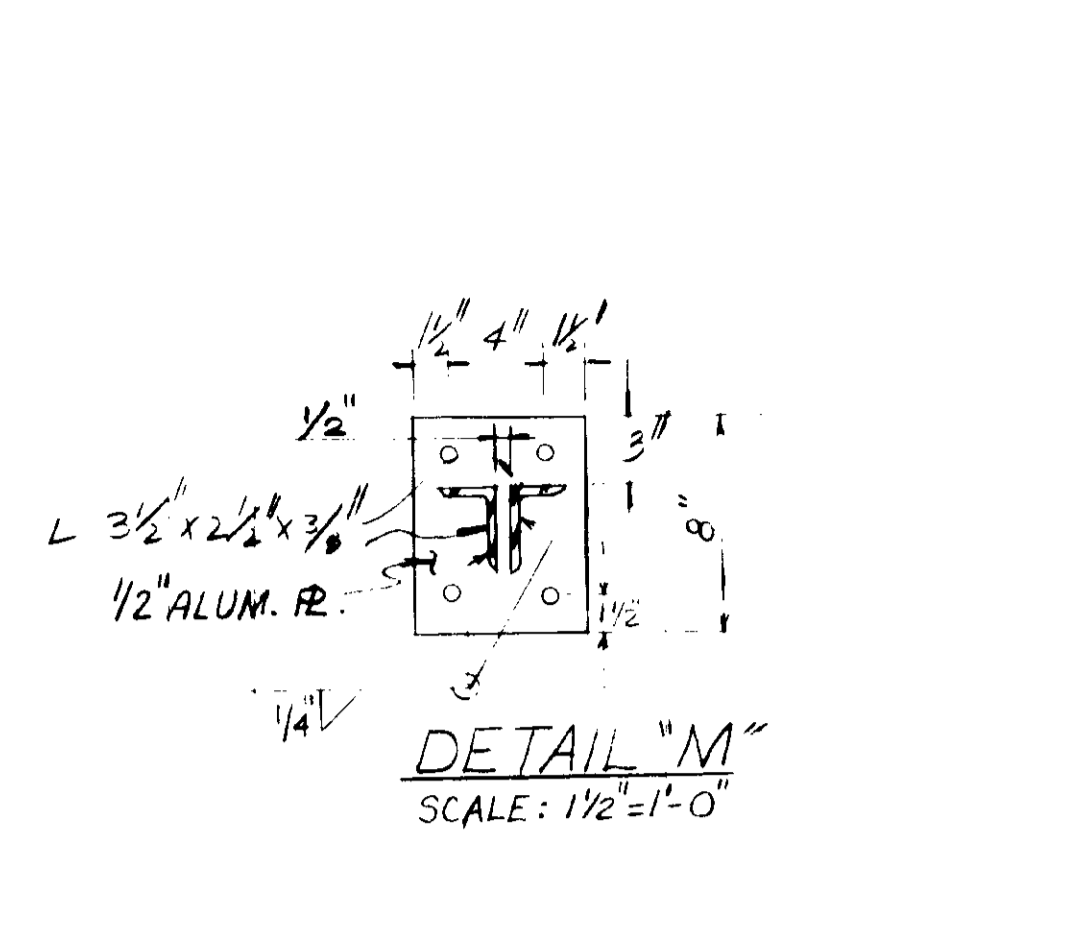
PLAN STAIRWAY NO. 6
SCALE: 3/4" = 1'-0"



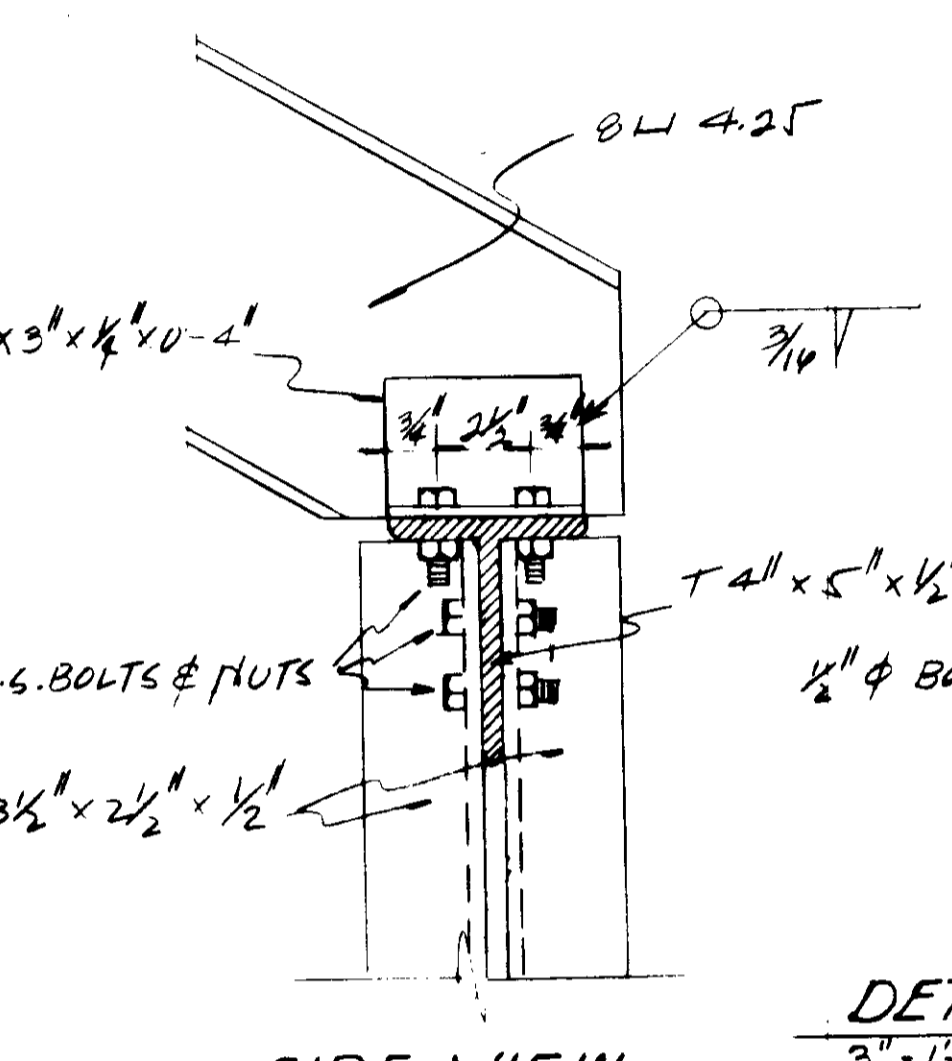
DETAIL R



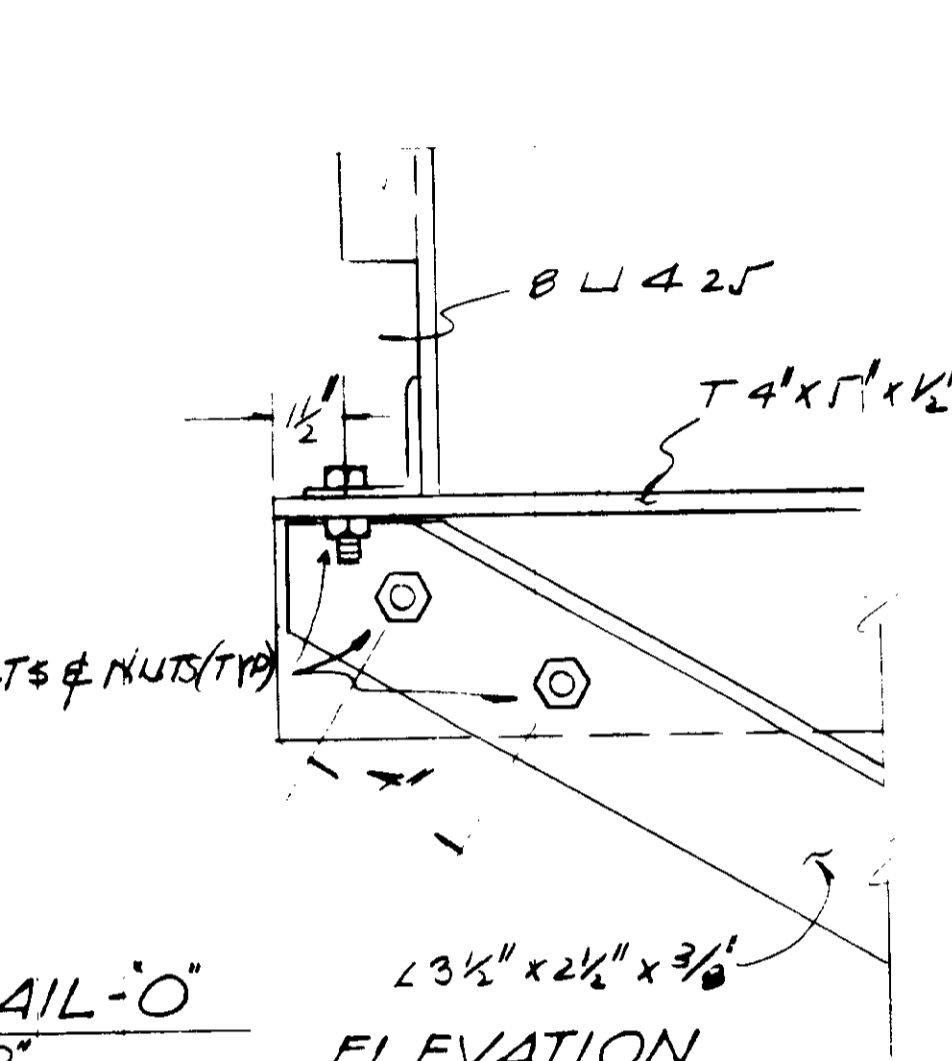
DETAIL N
SCALE: 1 1/2" = 1'-0"



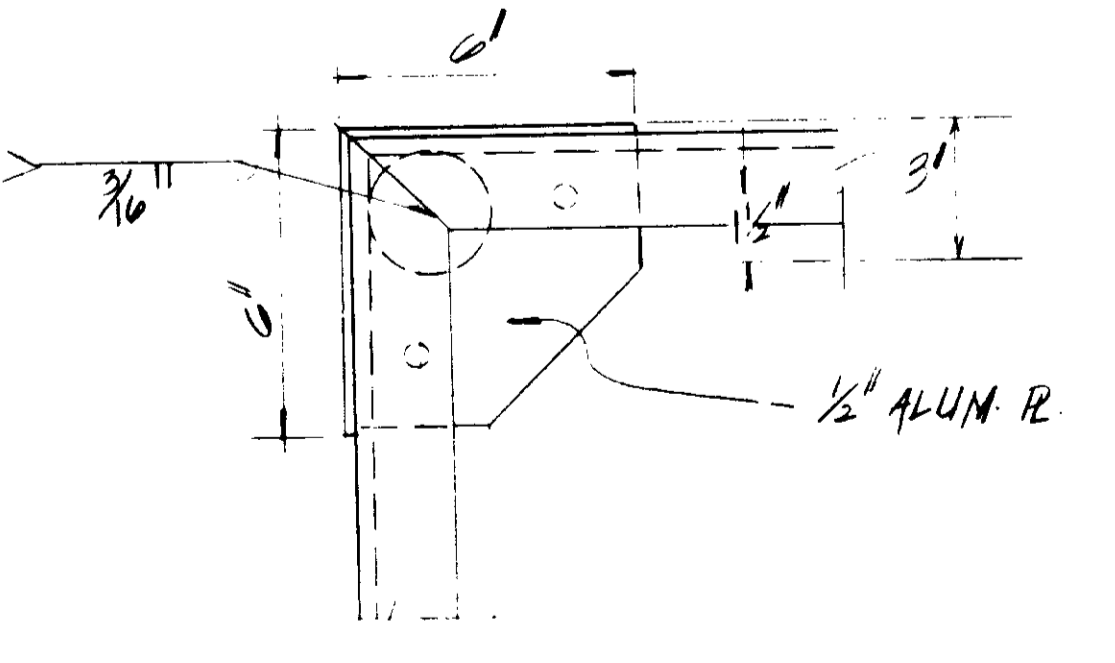
DETAIL M
SCALE: 1 1/2" = 1'-0"



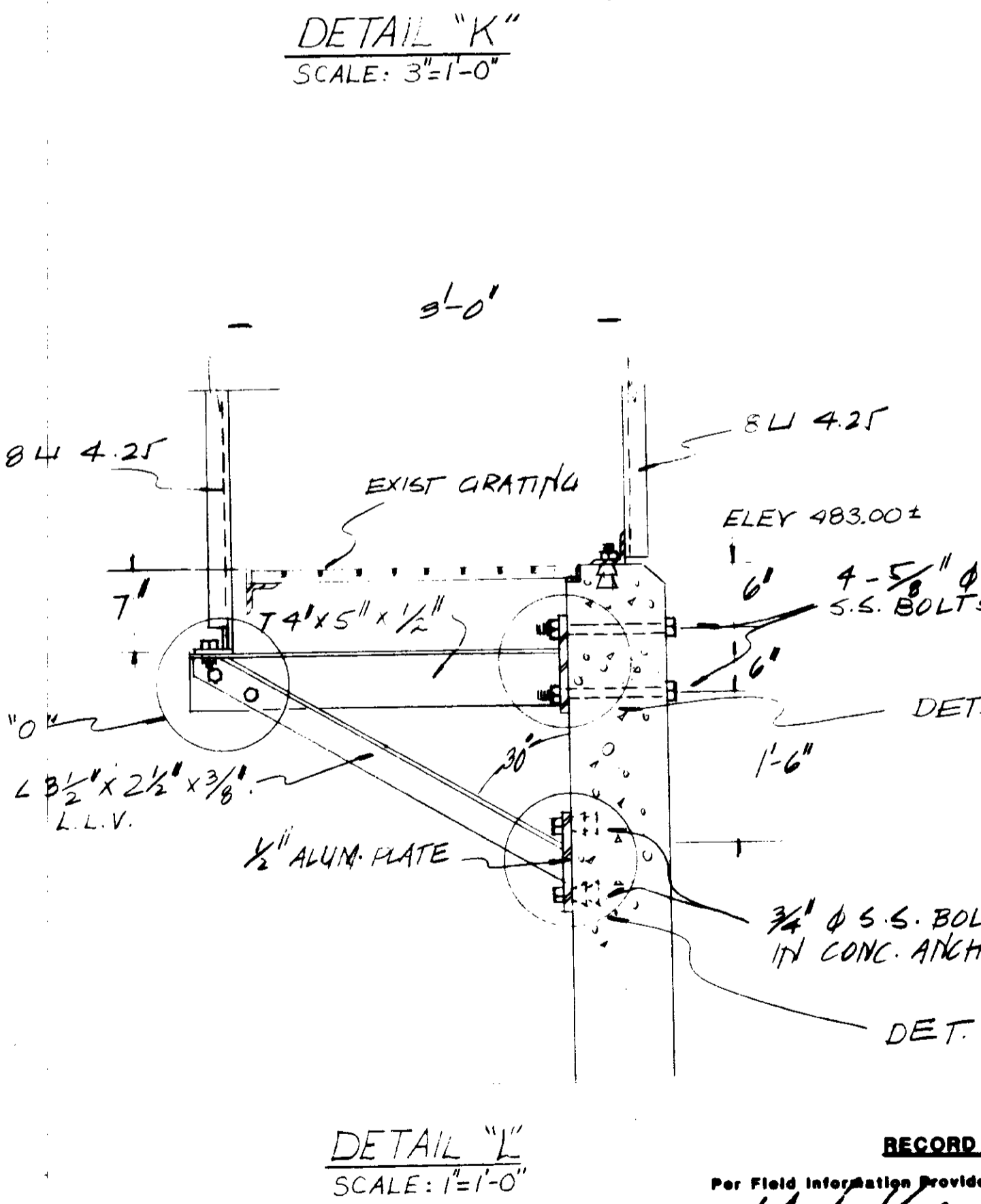
SIDE VIEW



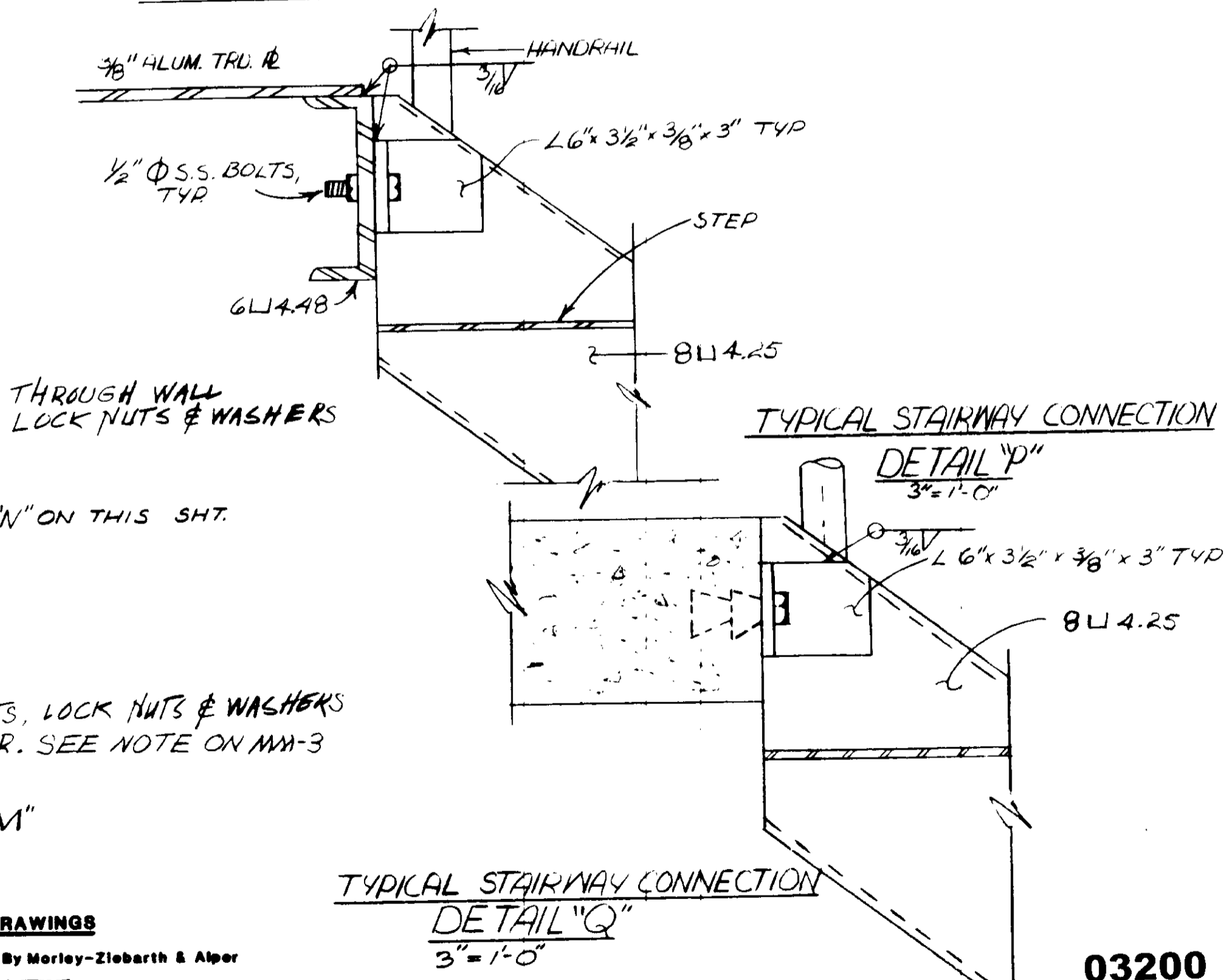
ELEVATION



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



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



TYPICAL STAIRWAY CONNECTION DETAIL Q
SCALE: 3" = 1'-0"

03200

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
John Vatavous
KATSURA CONSULTING ENGINEERS
March 1985

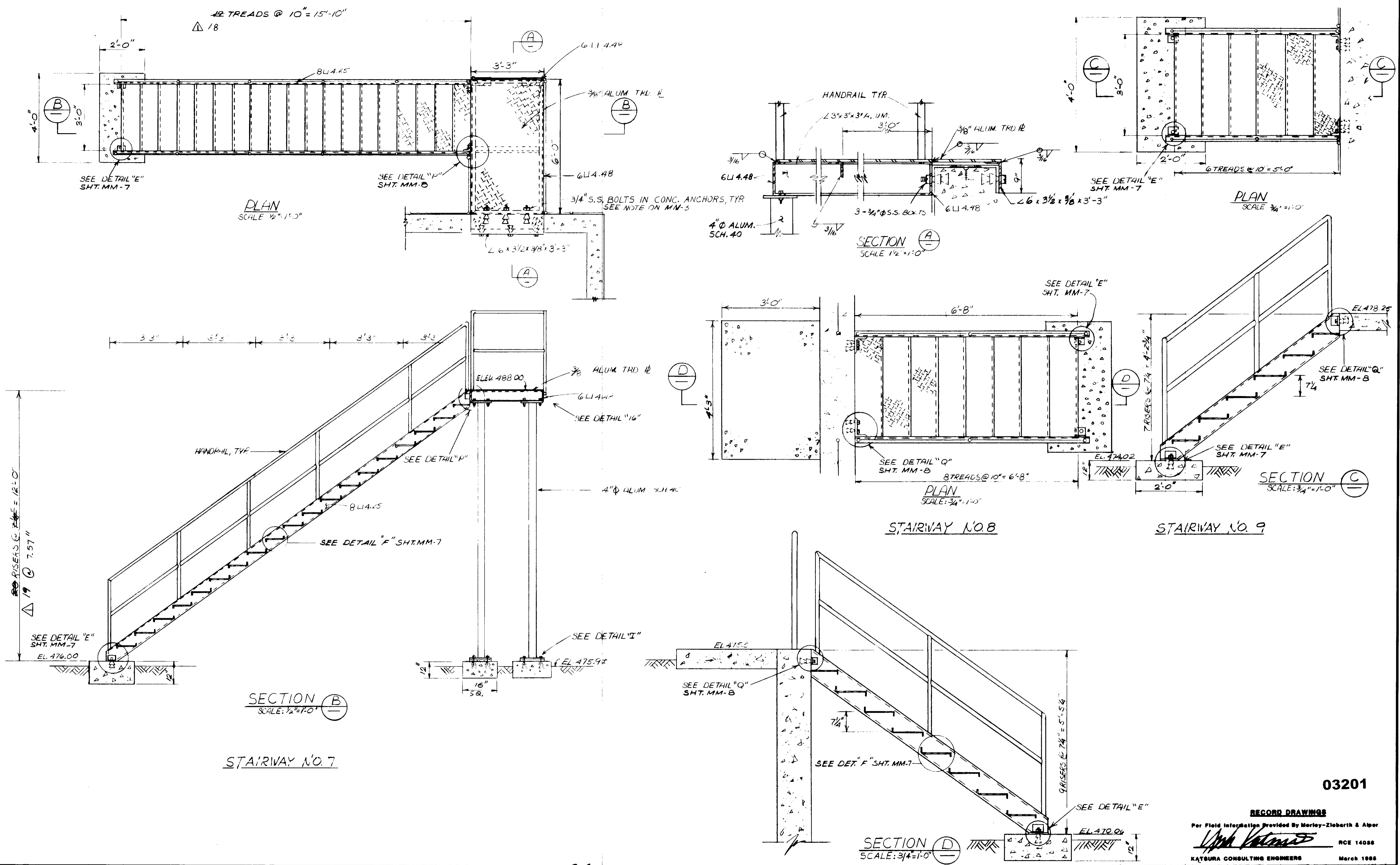
JKS CONSULTING ENGINEERS
A JOINT VENTURE
5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 933-9117

**LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.**
MISCELLANEOUS METALS
STAIRWAY NO. 6

SHEET
MM-8

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

SUBMITTED	<i>[Signature]</i>	14038	8/15/79
PROJECT MANAGER	<i>[Signature]</i>	R.C.E. NO.	DATE
DRAWN	<i>[Signature]</i>	14894	8/15/79
CHECKED	<i>[Signature]</i>	R.C.E. NO.	DATE
PROJECT ADMINISTRATOR	<i>[Signature]</i>	R.C.E. NO.	DATE



03201

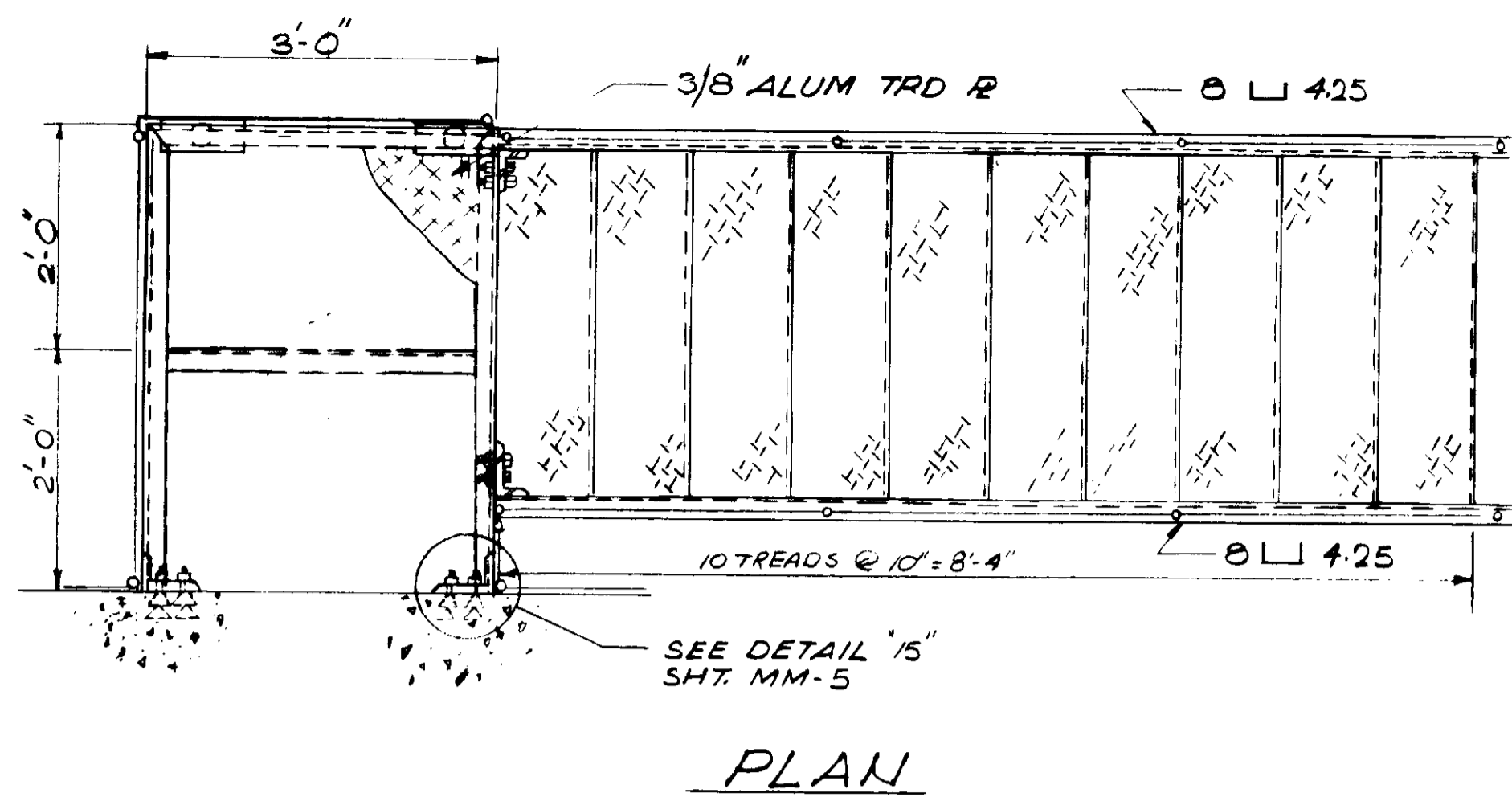
RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
 RCE 14038
 KATSURA CONSULTING ENGINEERS
 March 1986

REV	DATE	BY	DESCRIPTION

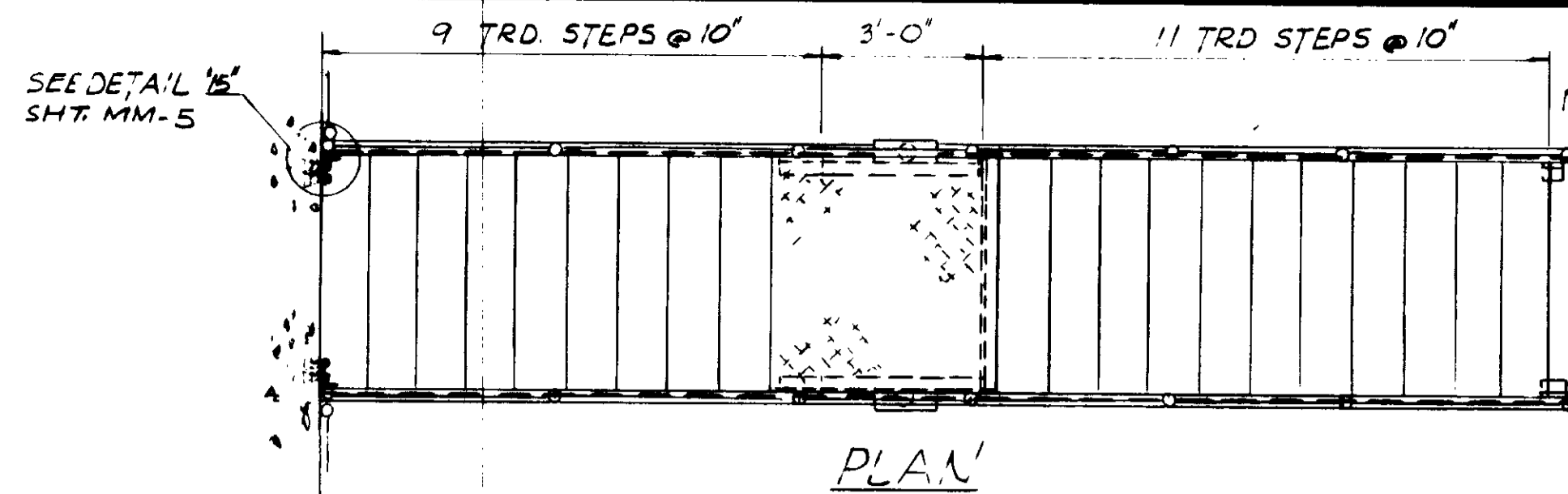
SCALE :	D.W.V. DESIGNED	SUBMITTED	14038	8/15/79
AS NOTED	D.W.V. DRAWN	PROJECT MANAGER	R.C.E. NO.	DATE
	S.K. CHECKED		14894	8/15/79
		PROJECT ADMINISTRATOR	R.C.E. NO.	DATE

JK CONSULTING ENGINEERS
 A JOINT VENTURE
 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 933-9117

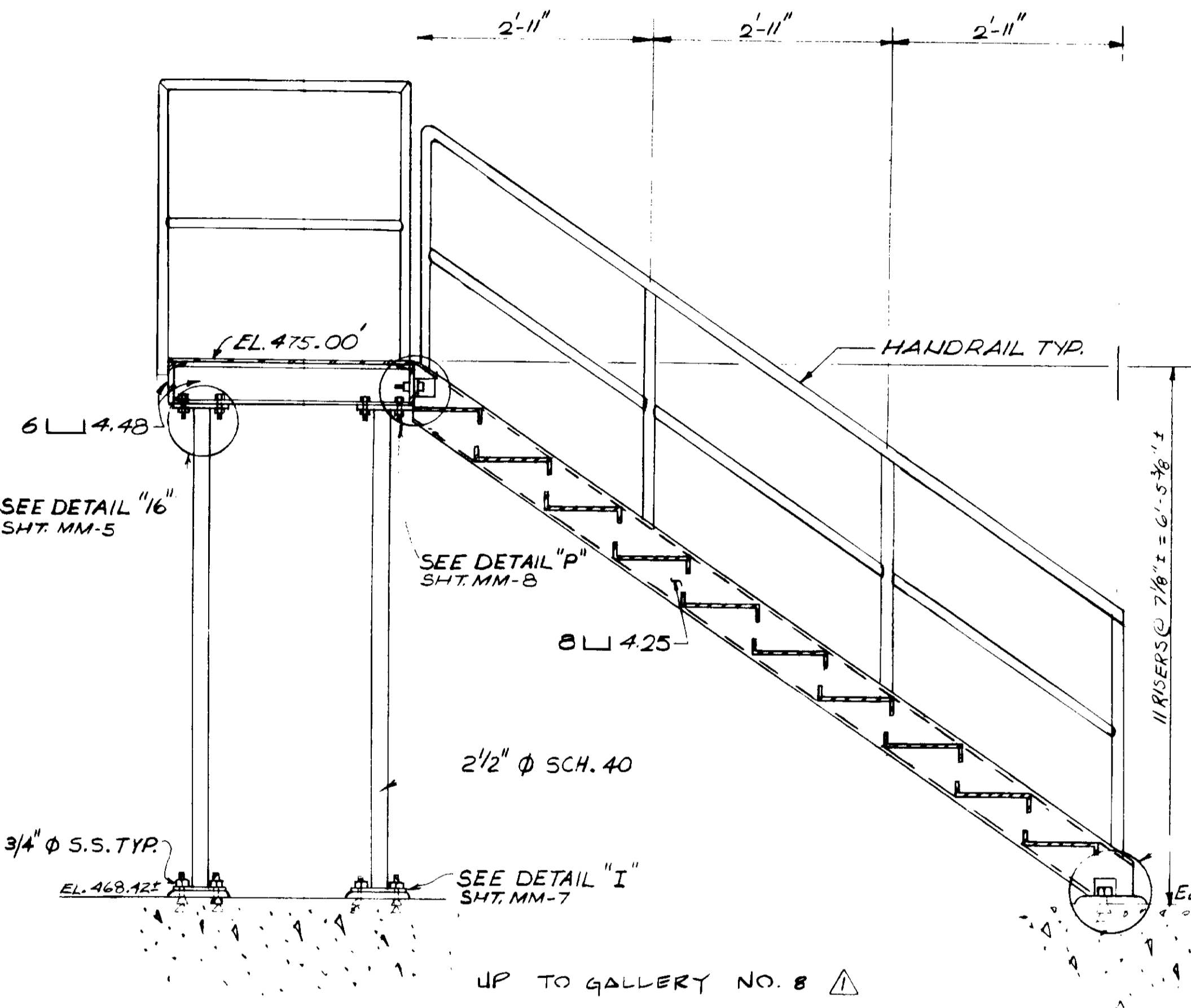
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 MISCELLANEOUS METALS
 STAIRWAYS NO. 7, 8 & 9
 SHEET
 MM-9



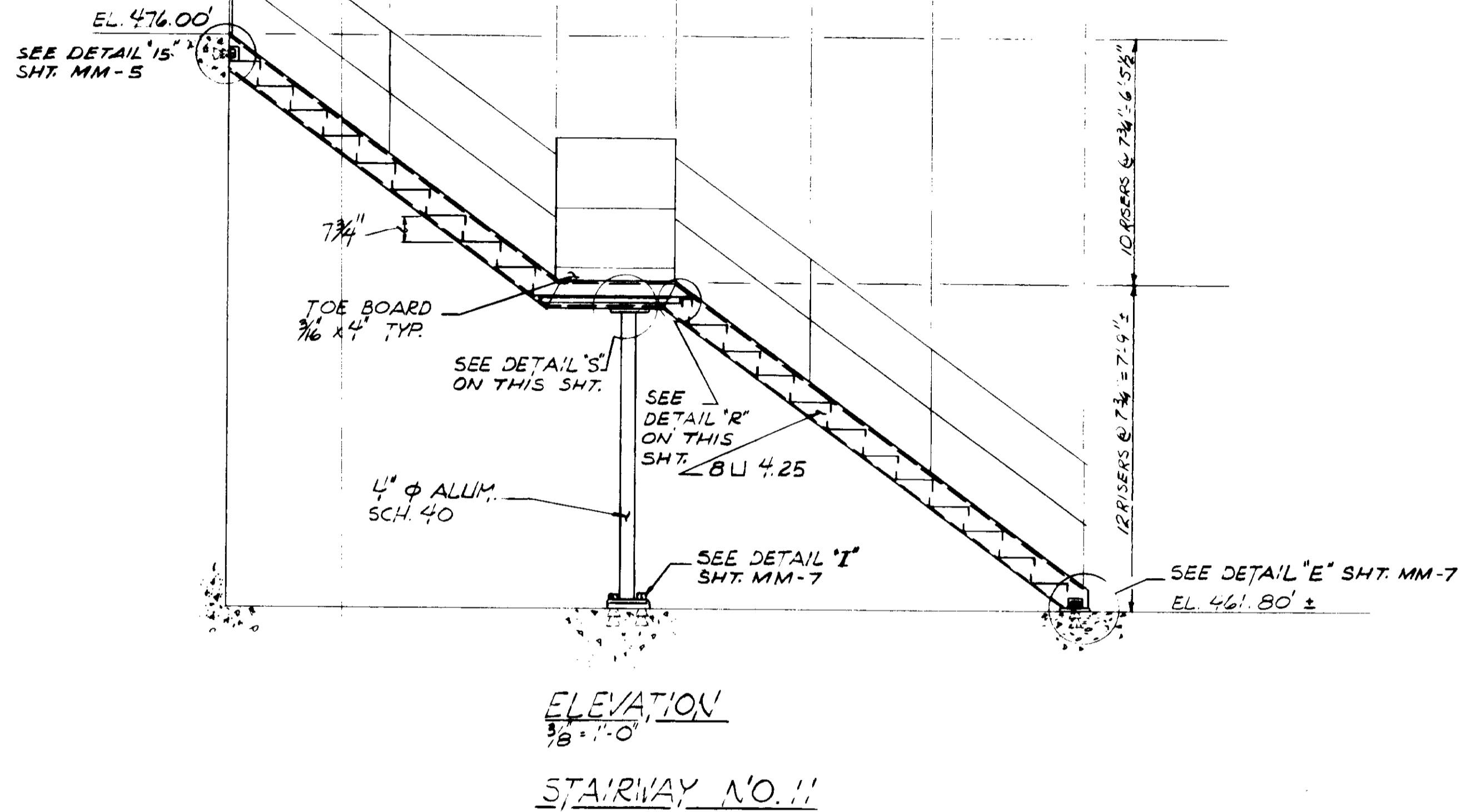
PLAN



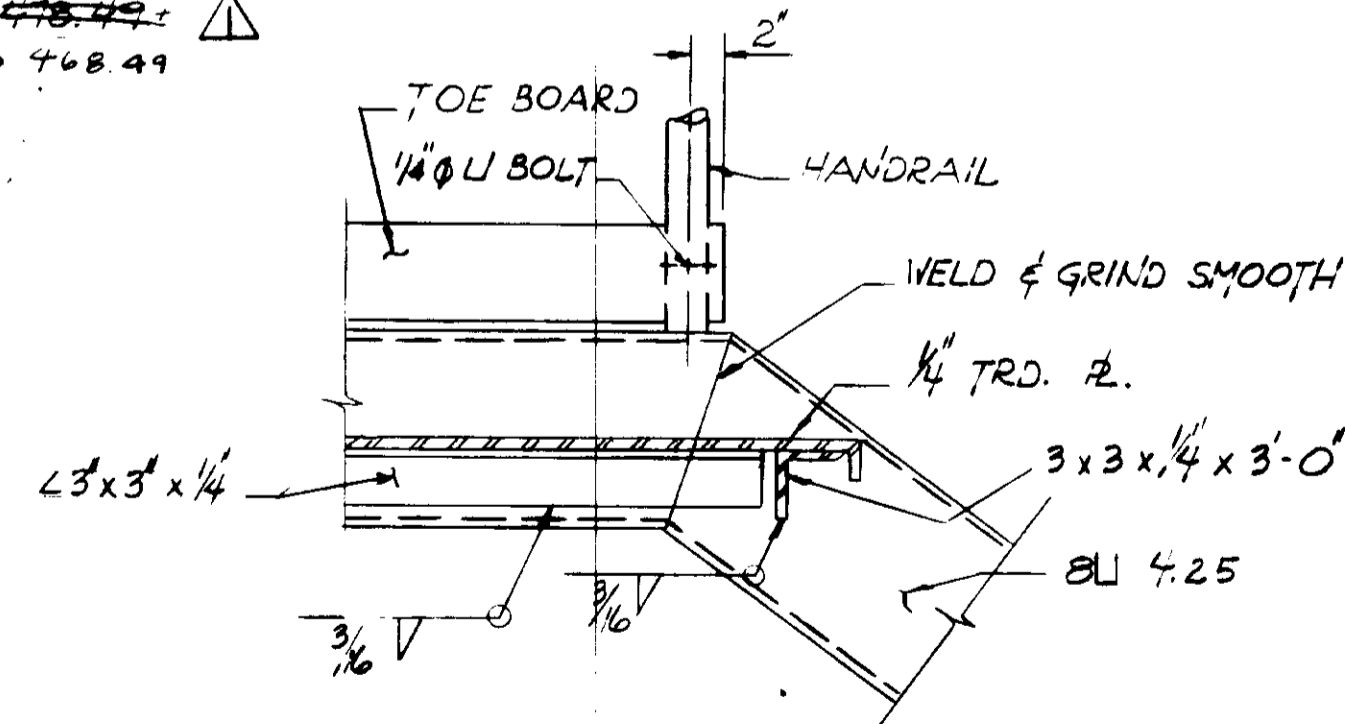
PLAN



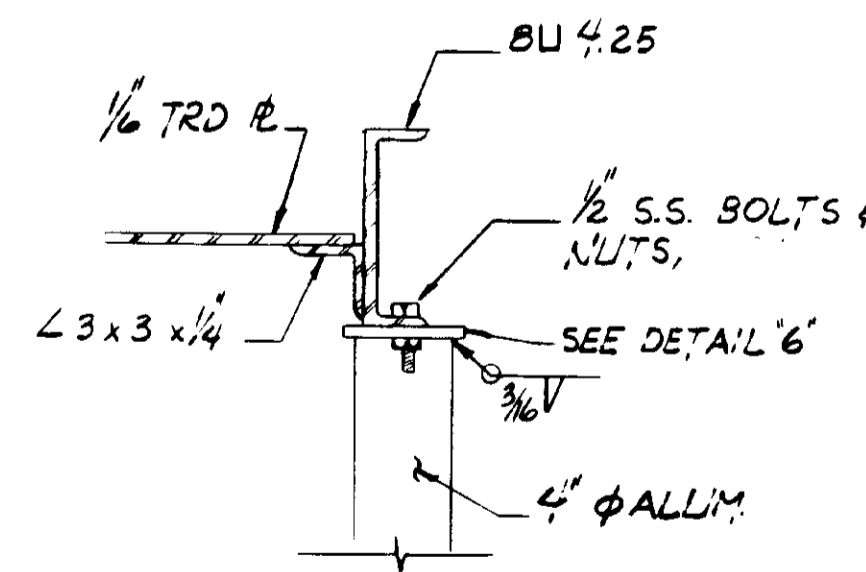
ELEVATION
3/4" = 1'-0"
STAIRWAY NO. 10



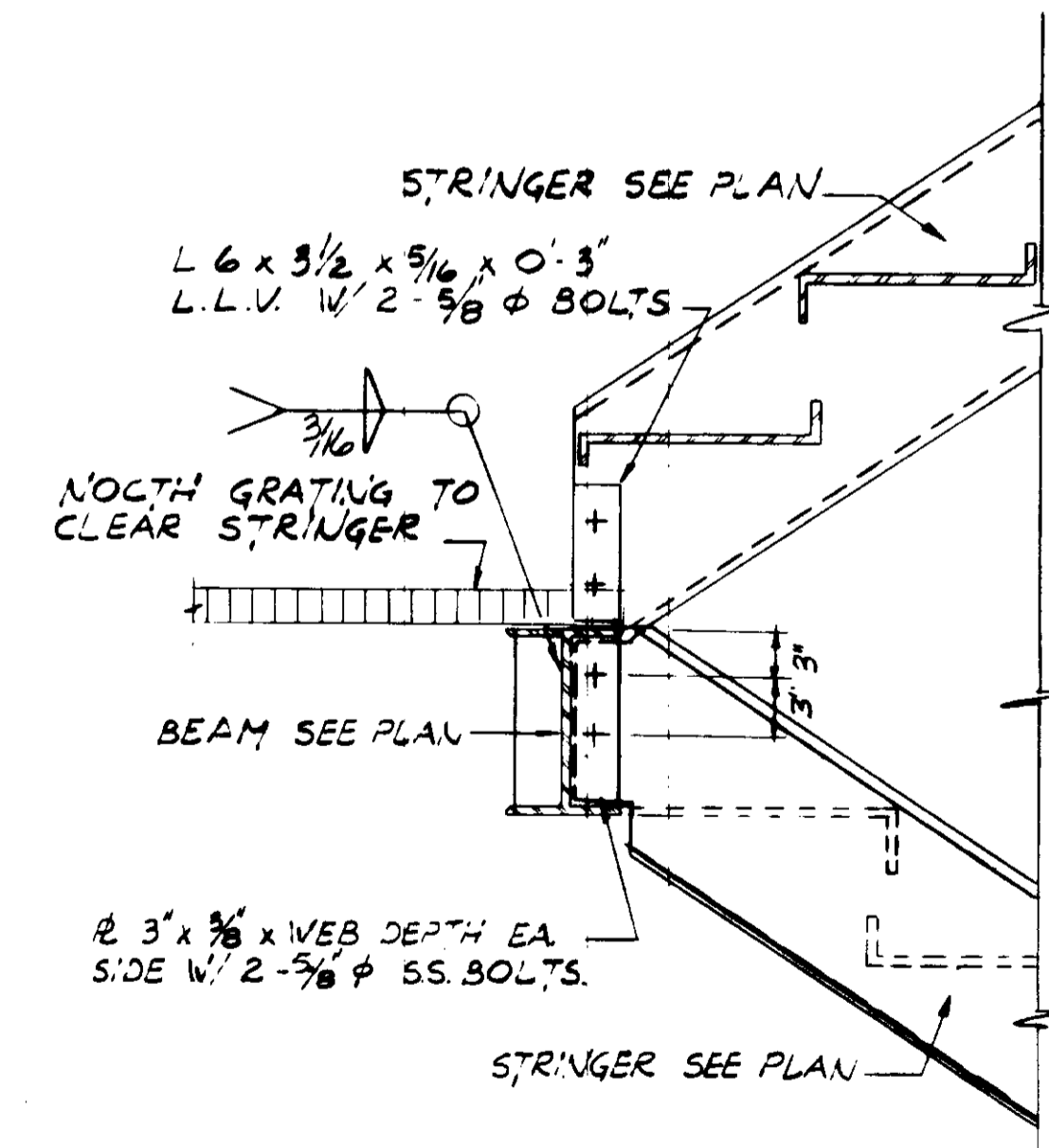
ELEVATION
3/8" = 1'-0"
STAIRWAY NO. 11



DETAIL 'R'



DETAIL 'S'



DETAIL 'T'

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

John Valenzuela
KATSURA CONSULTING ENGINEERS
March 1988

03202

REV	DATE	BY	DESCRIPTION

SCALE :
AS NOTED

DESIGNED: DWV
DRAWN: S.K.
CHECKED: S.K.

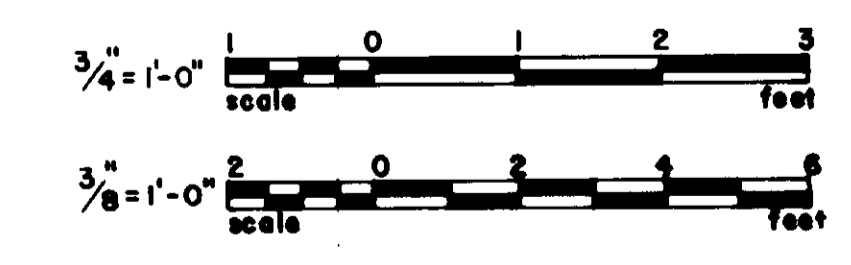
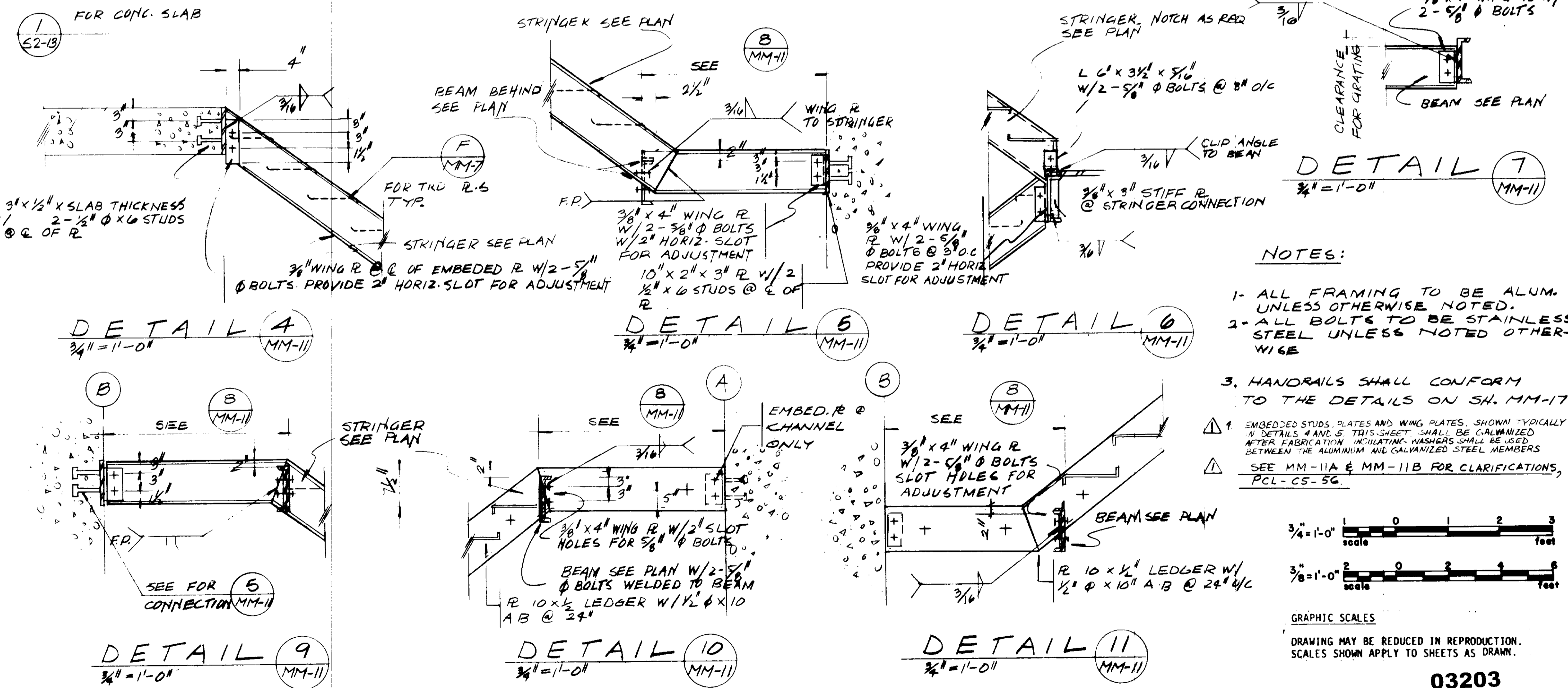
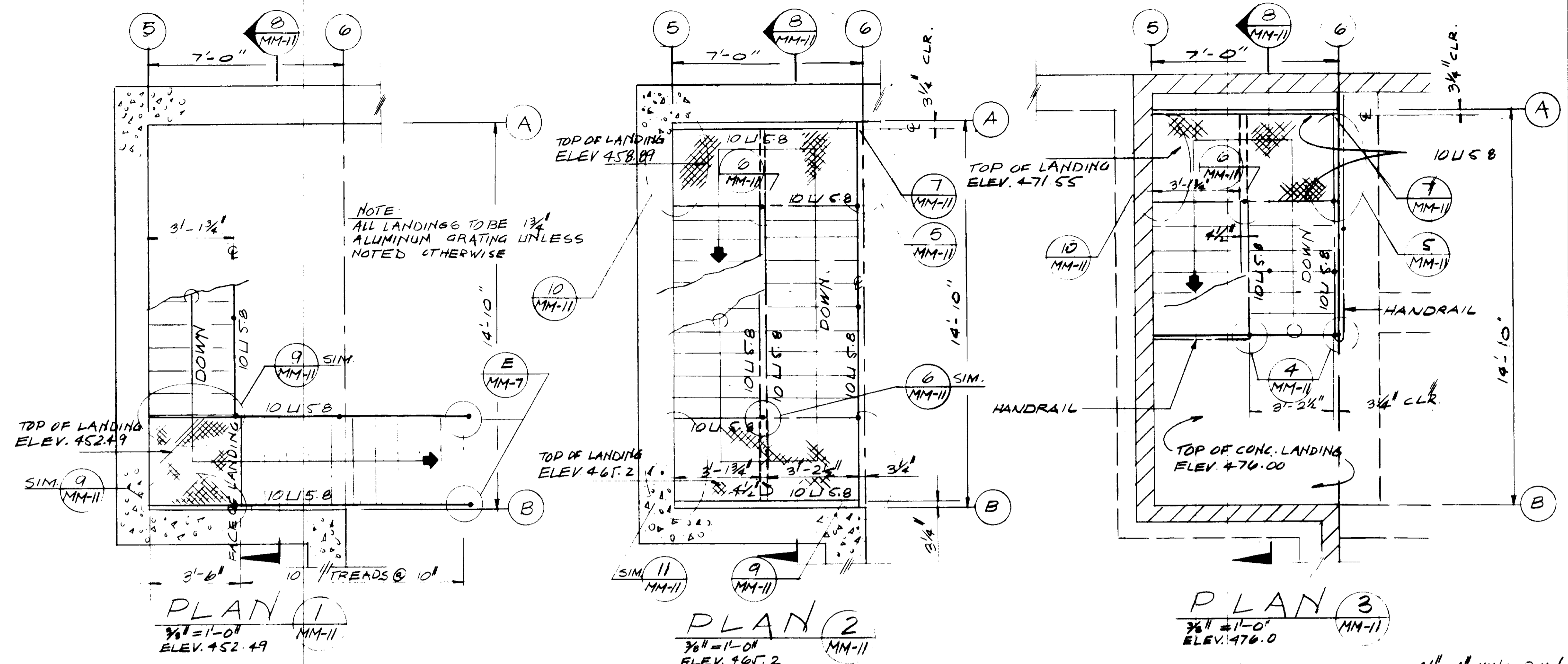
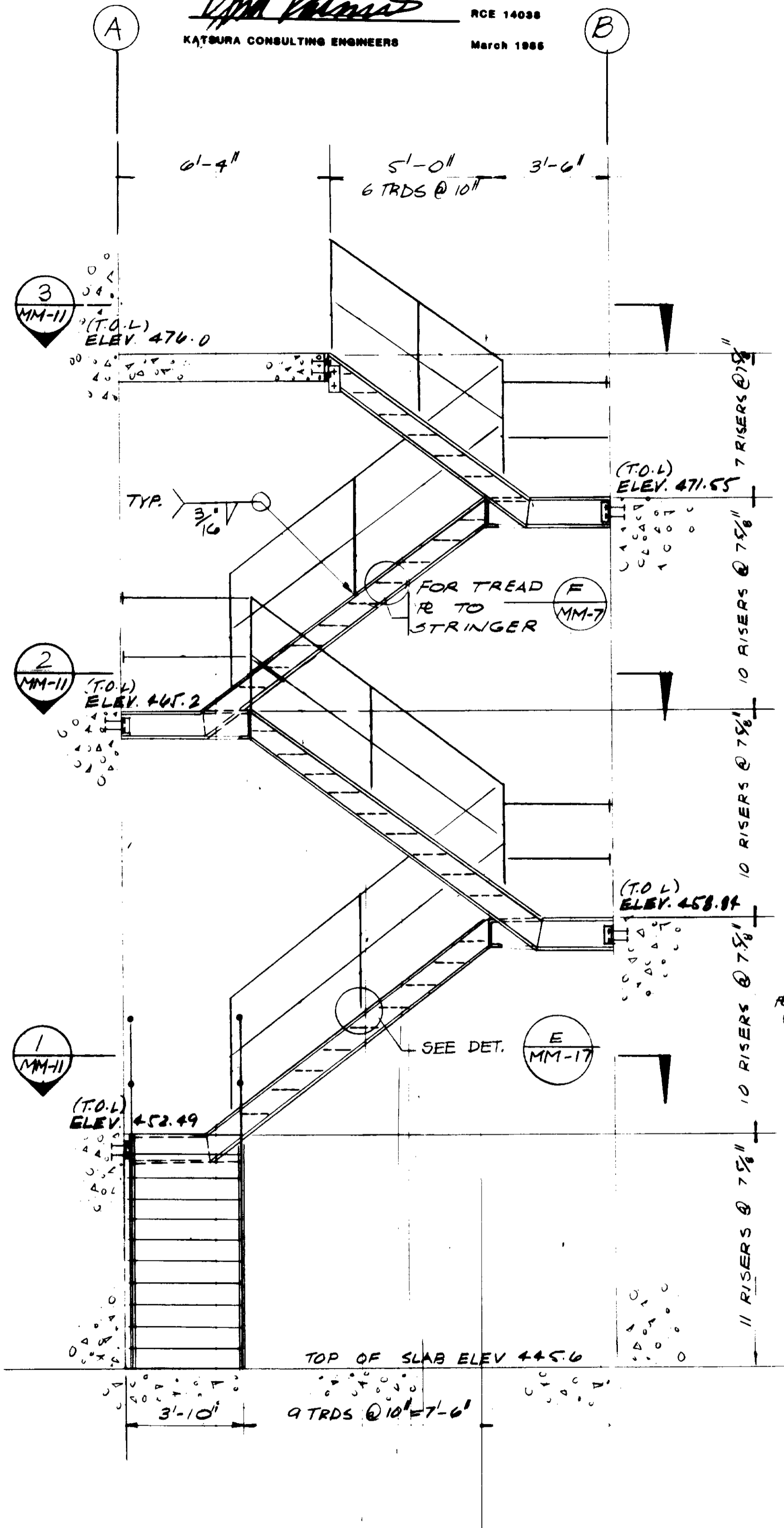
SUBMITTED: *John Valenzuela*
PROJECT MANAGER: 14038 8/15/79
PROJECT ADMINISTRATOR: 14894 8/15/79

JKS CONSULTING ENGINEERS
A JOINT VENTURE
5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 833-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
MISCELLANEOUS METALS
STAIRWAYS NO. 10 & 11

SHEET
MM-10

SW. 19 OF 22



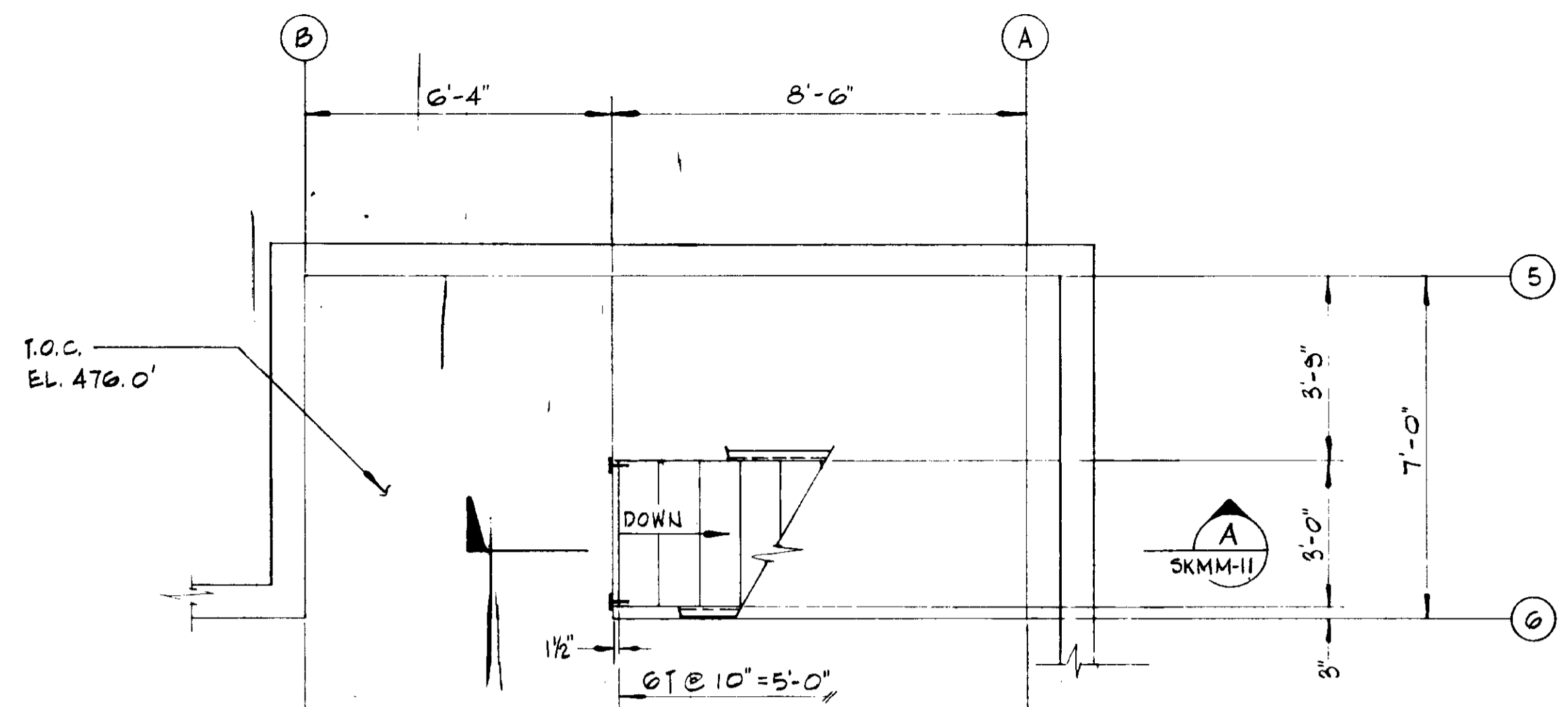
SECTION 8
 3/8" = 1'-0" MM-II

DETAIL 9
 3/8" = 1'-0" MM-II

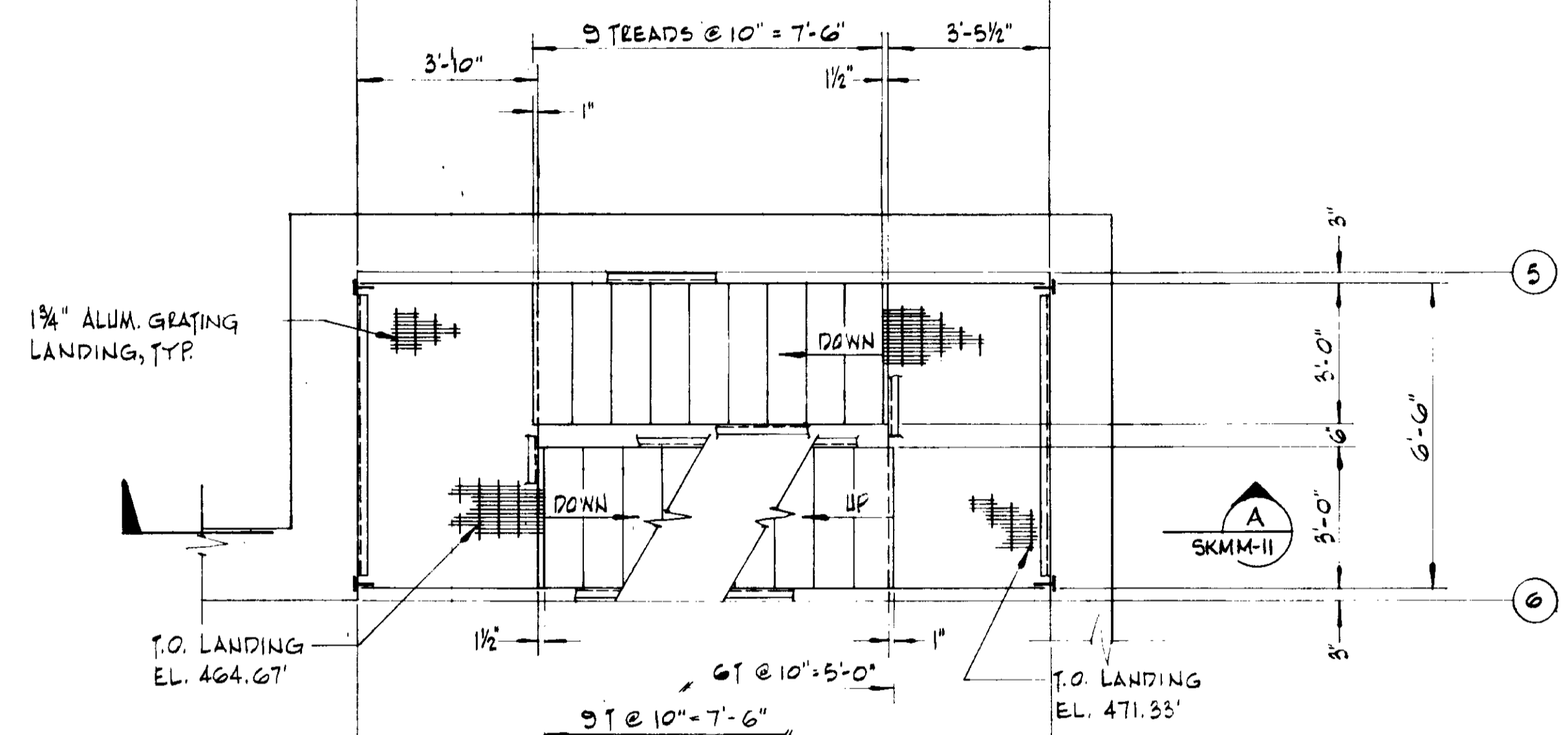
DETAIL 10
 3/8" = 1'-0" MM-II

DETAIL 11
 3/8" = 1'-0" MM-II

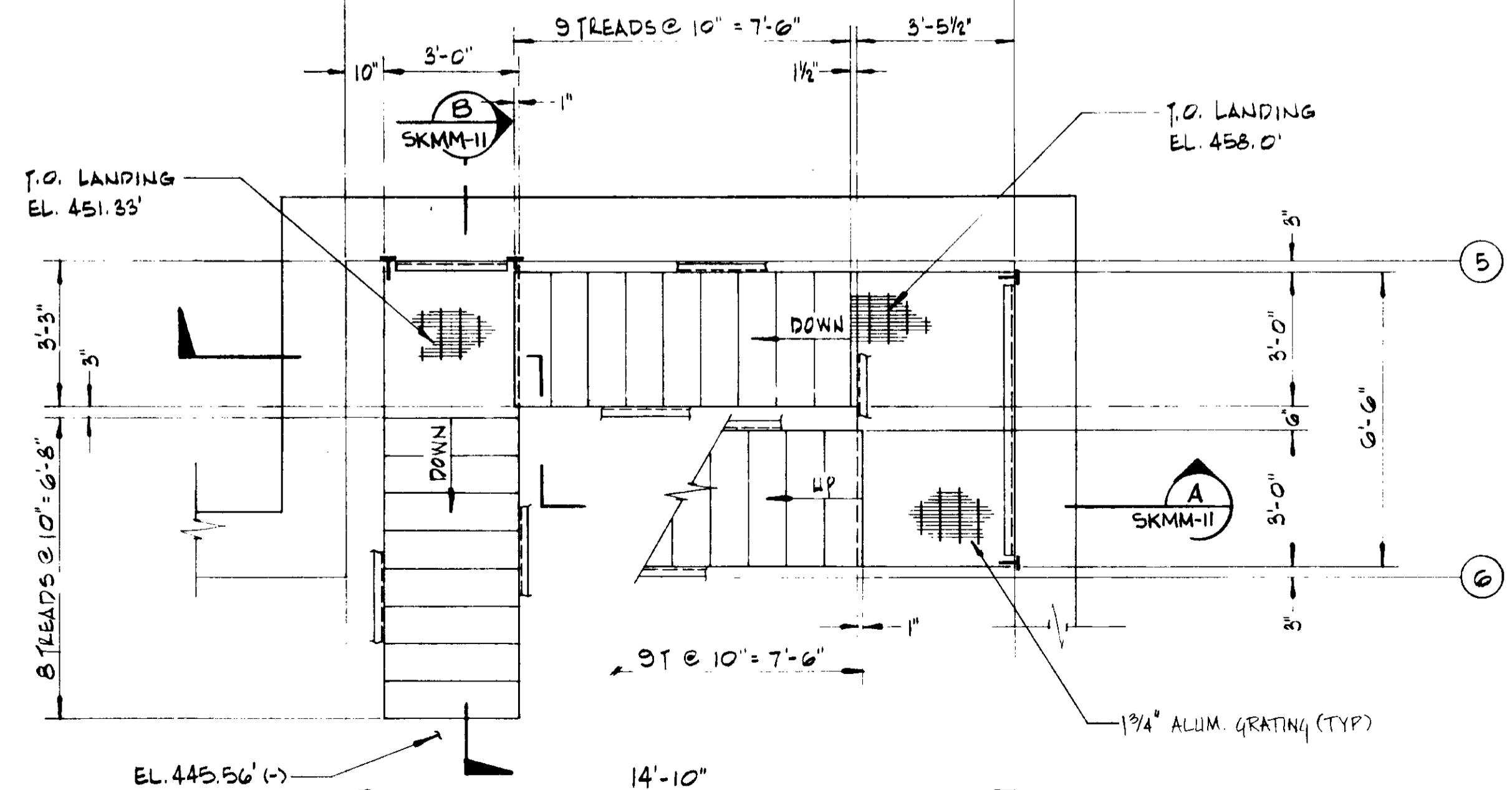
SCALE: AS NOTED		DESIGNED: M.K.	SUBMITTED: <i>Las Virgenes</i> 14038 8/15/79	CONSULTING ENGINEERS A JOINT VENTURE 5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 933-9117	LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. MISCELLANEOUS METALS STAIRWAY NO. 12 INFLUENT PUMP STATION	SHEET MM-II
DRAWN: S.K.		CHECKED: S.K.	PROJECT MANAGER: R.C.E. NO. 14894 DATE 8/15/79			
REV. DATE BY	DESCRIPTION	REV. DATE BY	DESCRIPTION	DRAWING MAY BE REDUCED IN REPRODUCTION. SCALES SHOWN APPLY TO SHEETS AS DRAWN.		
7-28-84	CL	REV PER	MZA & JCE	03203 SHEET 20 OF 22		



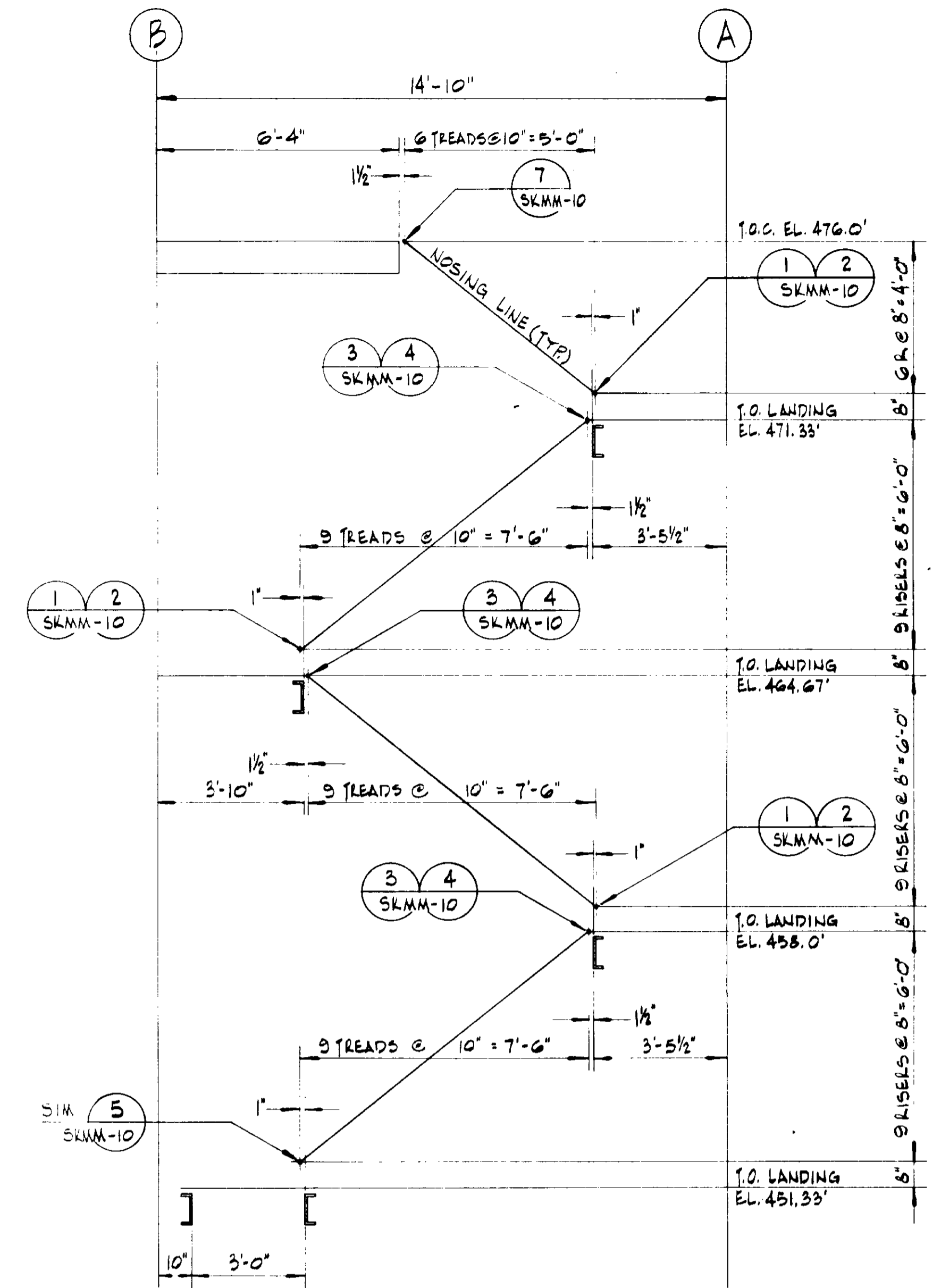
PLAN AT EL. 476.0'



PLANS @ EL. 471.33' & 464.67'

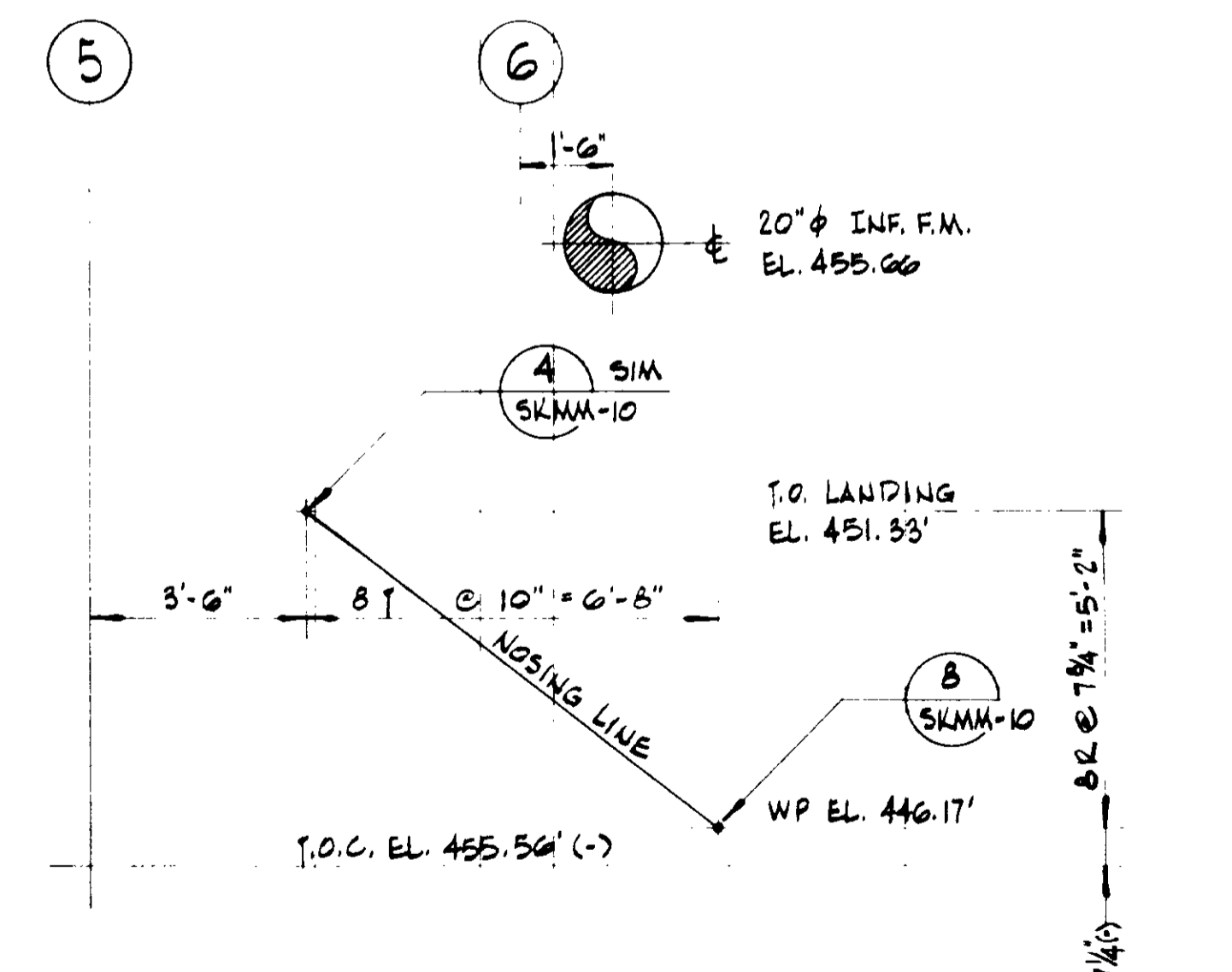


PLANS AT EL. 458.0', 451.33' & 445.56'



SECTION A SKMM-11

- NOTES**
1. STAIR STRINGERS SHALL BE ALUMINUM C10X5.8
 2. LEADER ANGLES FOR GRATING SUPPORT SHALL BE ALUMINUM L3x3x1/4
 3. NOTCH GRATING AS REQUIRED TO CLEAR HANDRAIL POSTS.
 4. FOR TYPICAL STRINGER TO CONCRETE CONNECTION, SEE 9 SKMM-10

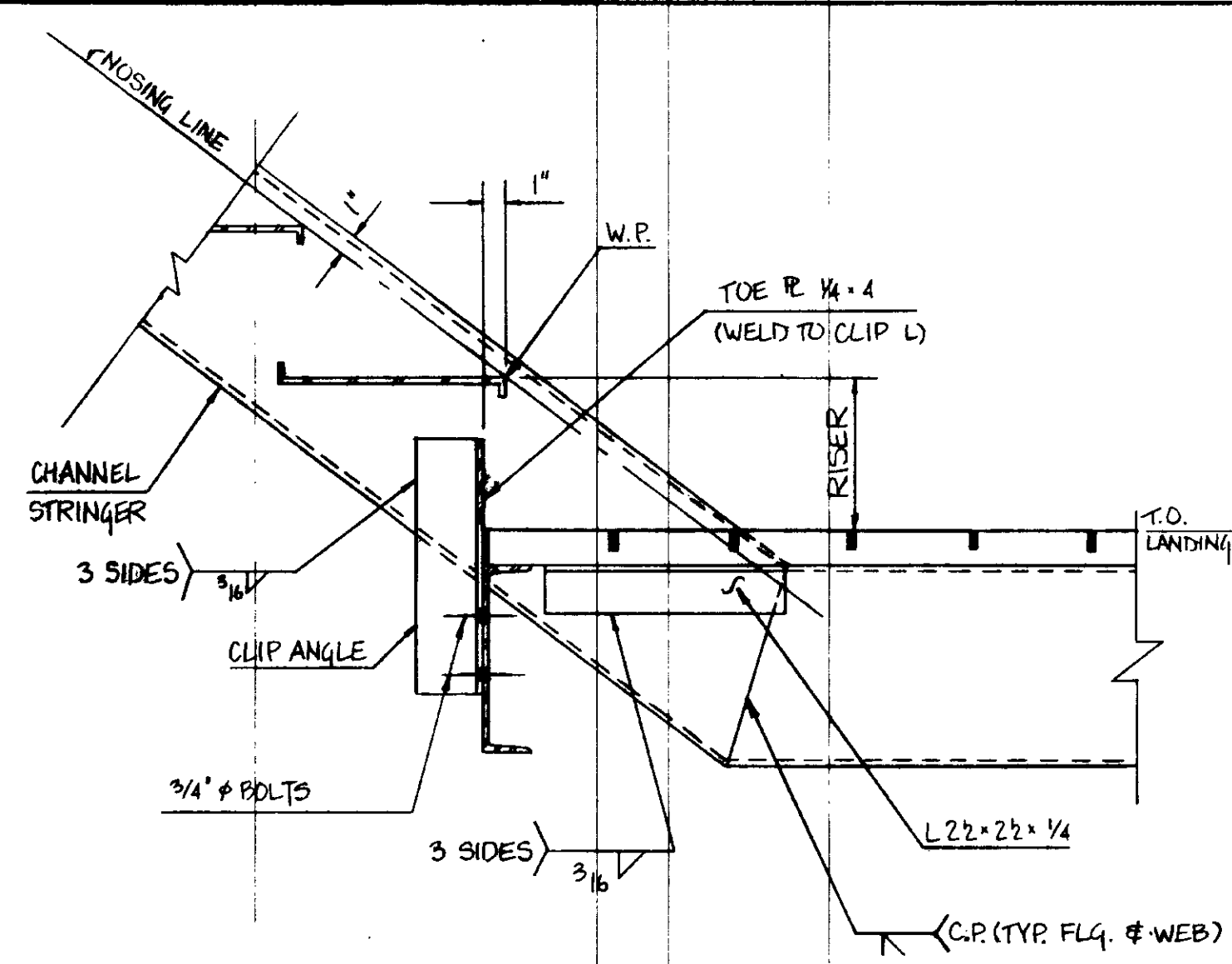


SECTION B SKMM-11

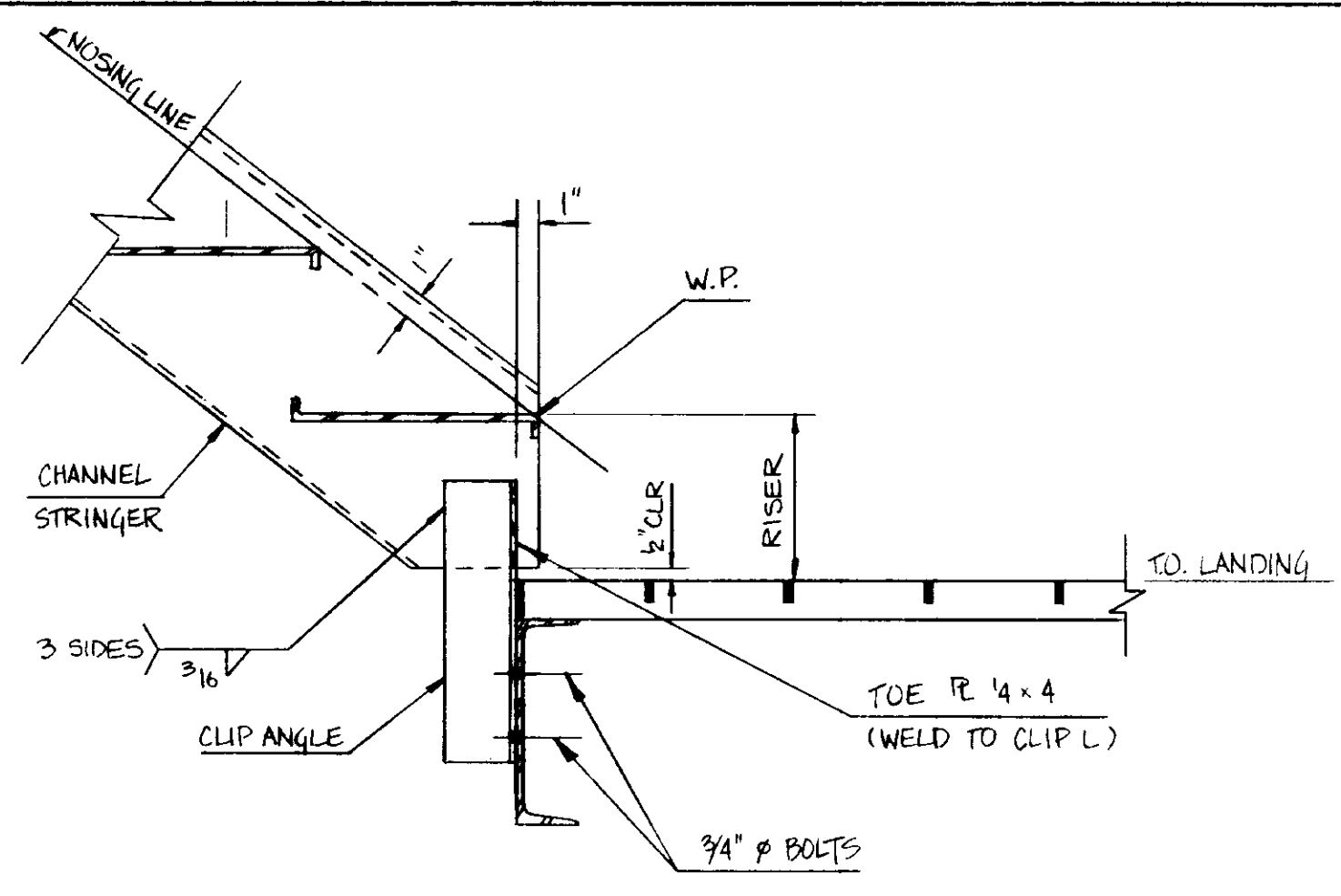
RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alger
Y. Katsura
 RCE 14038
 KATSURA CONSULTING ENGINEERS March 1988

REFERENCE DWG.: SKMM-11
 PLAN CLARIFICATION: PCL-C5-56 **PCL-C5-56**

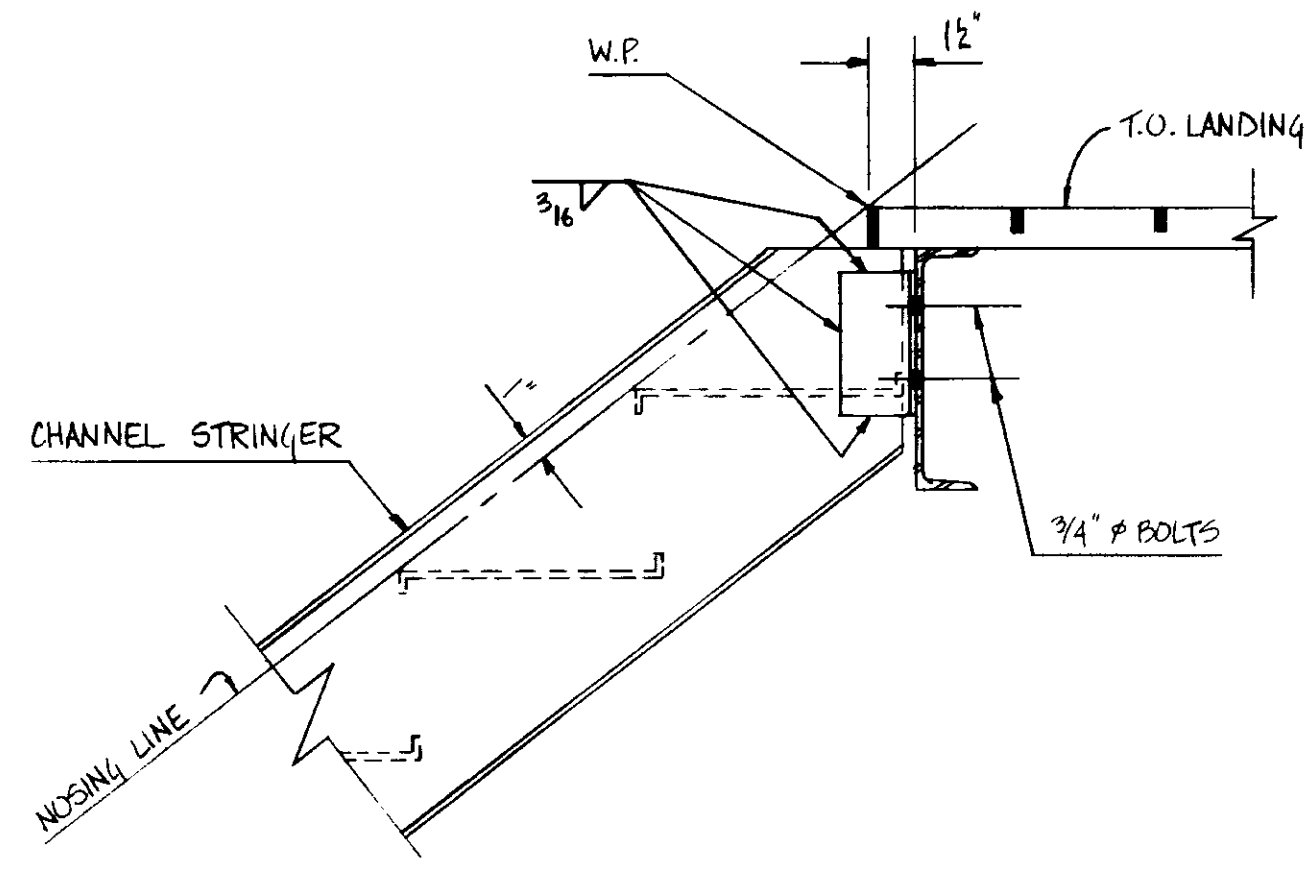
SCALE: 3/8" = 1'-0"	REV. DATE BY DESCRIPTION	Y. KATSURA CONS. ENGINEERS	DATE: MAY 8, 1984 DRAWN: N.O. RCE	REVISED STAIRWAY NO. 12 PLANS AND SECTIONS	MM-11A
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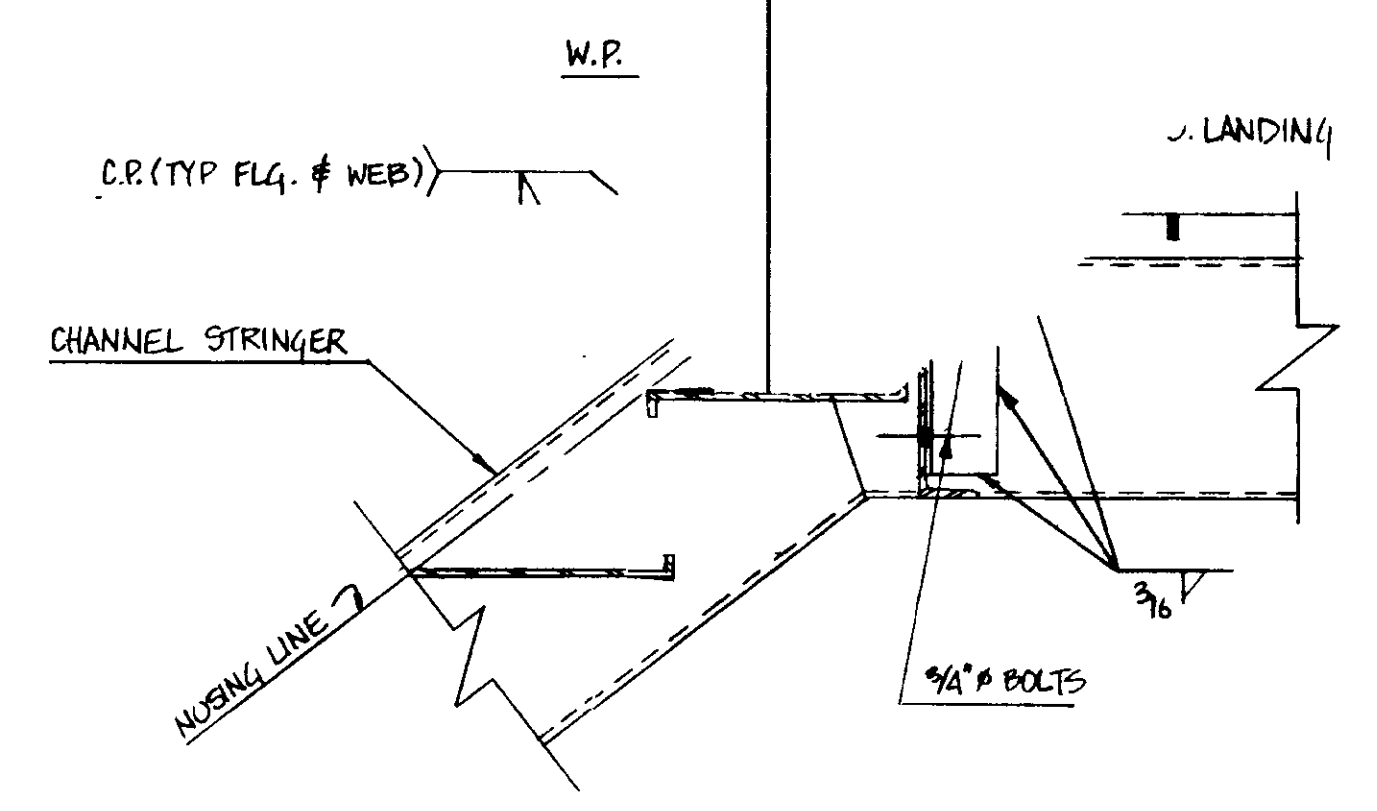
DETAIL 1
SKMM-10



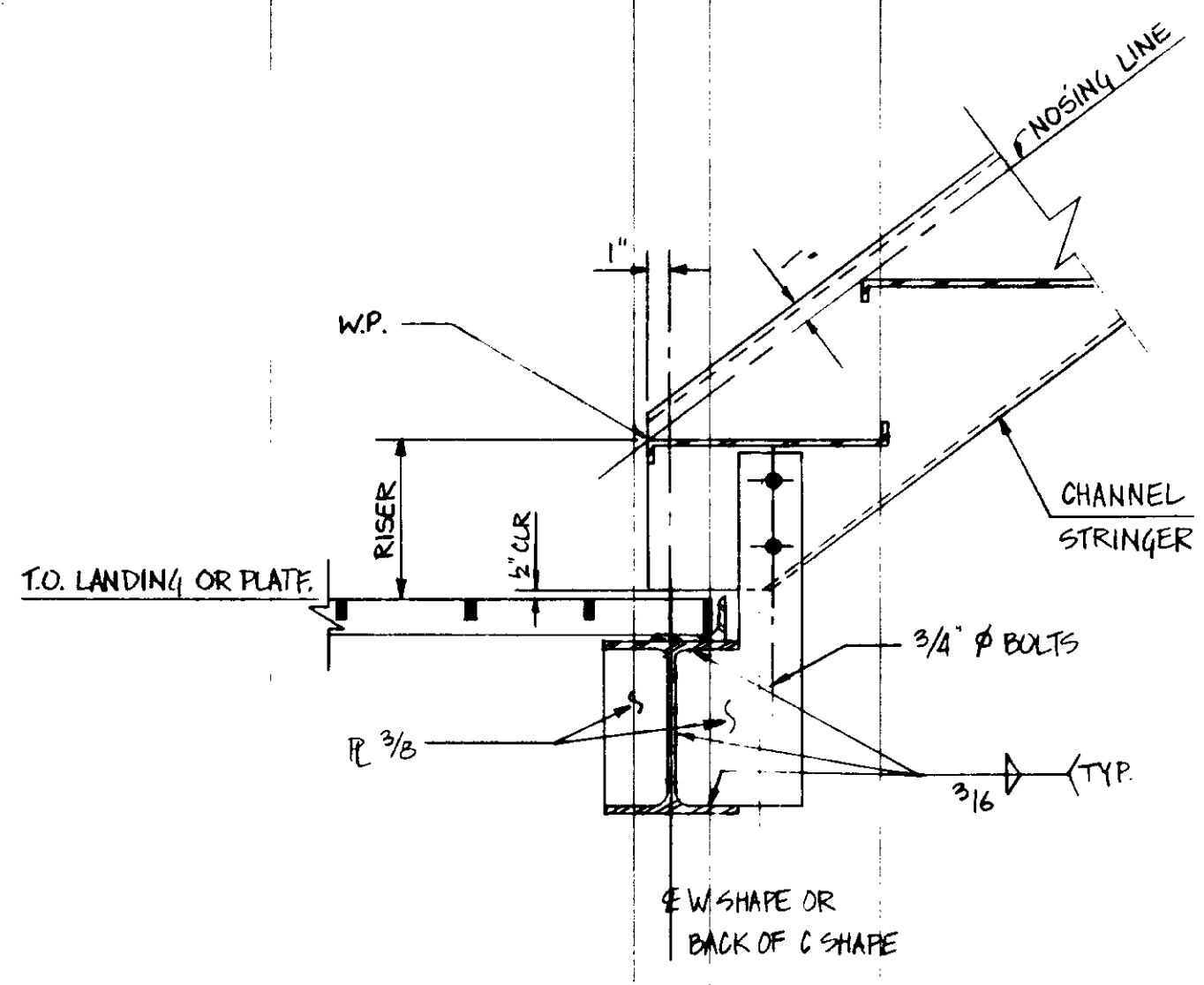
DETAIL 2
SKMM-10



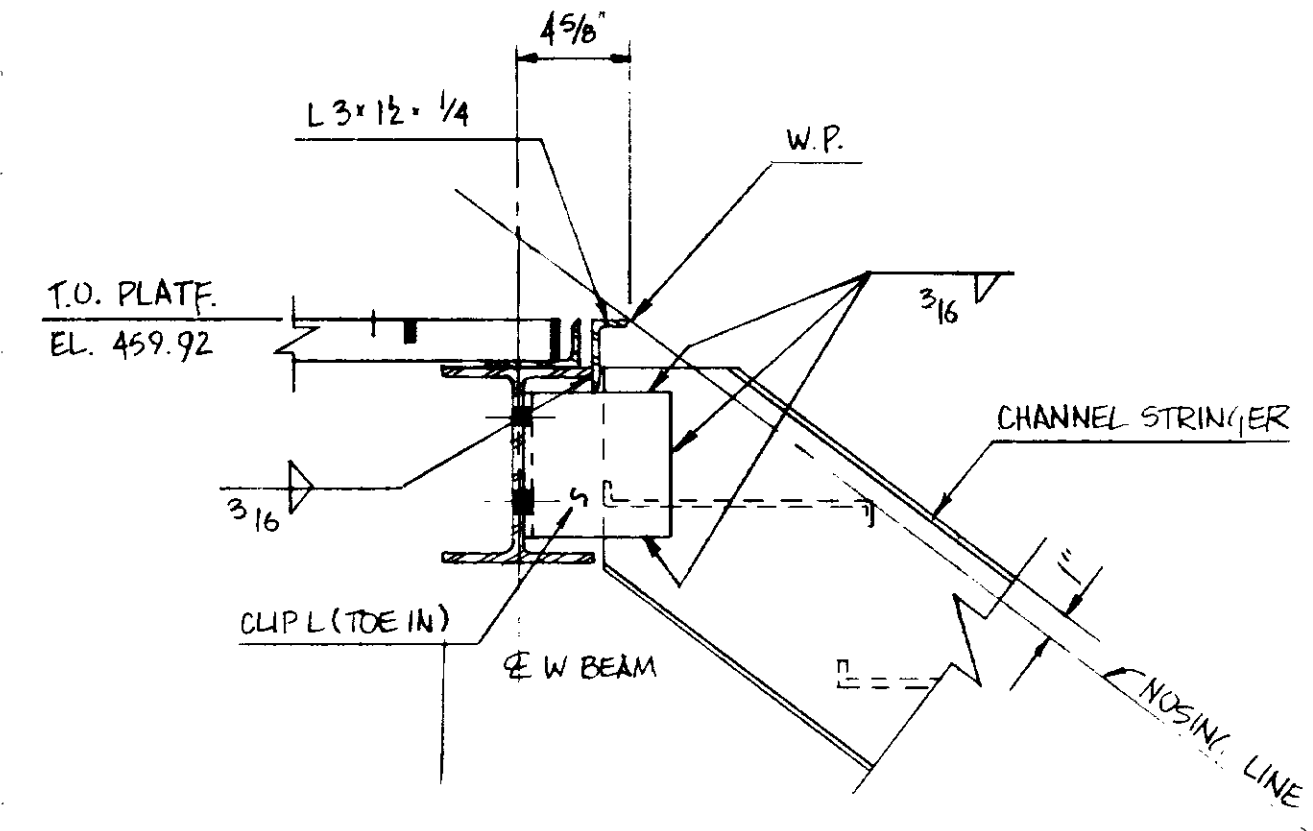
DETAIL 3
SKMM-10



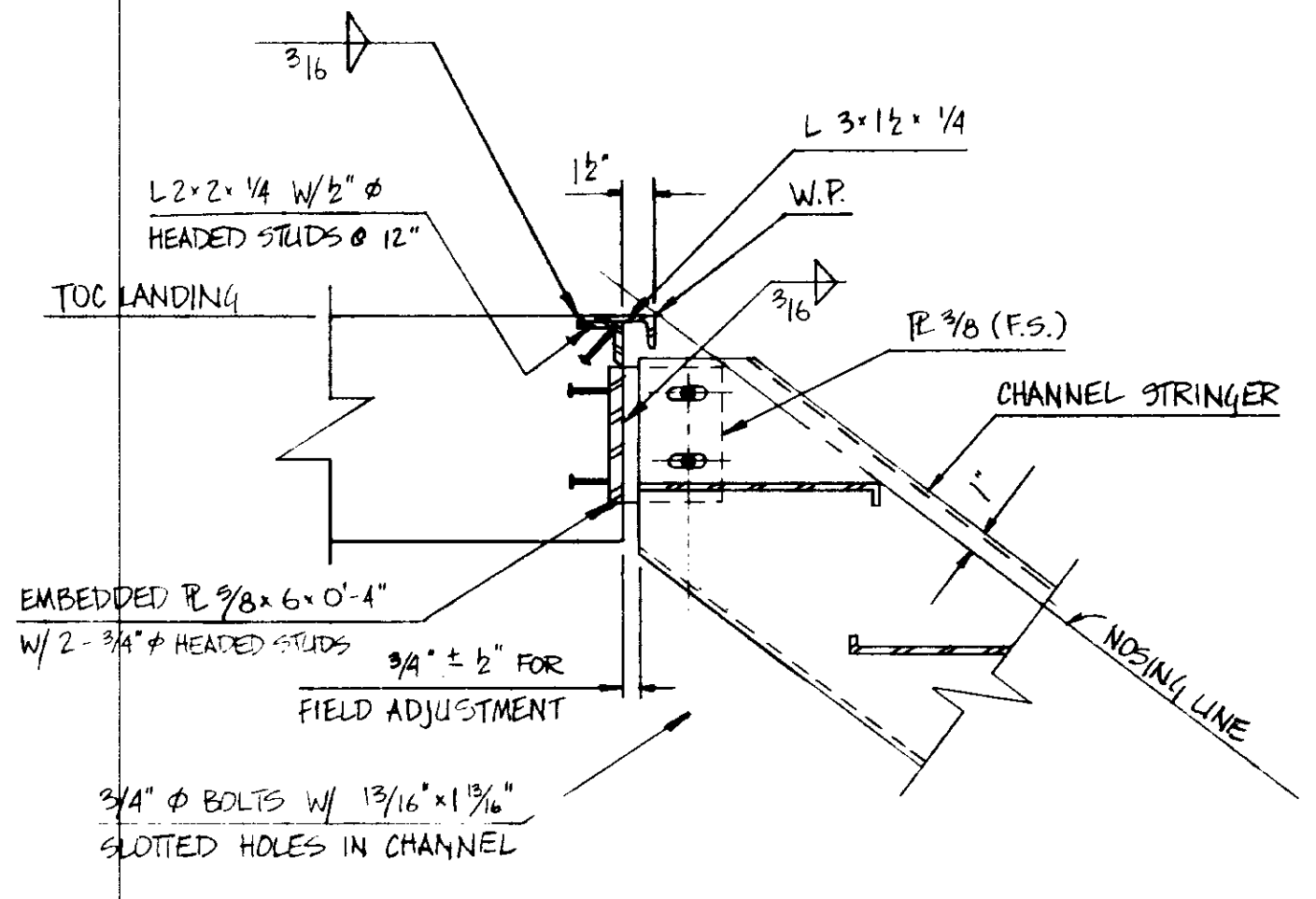
DETAIL 4
SKMM-10



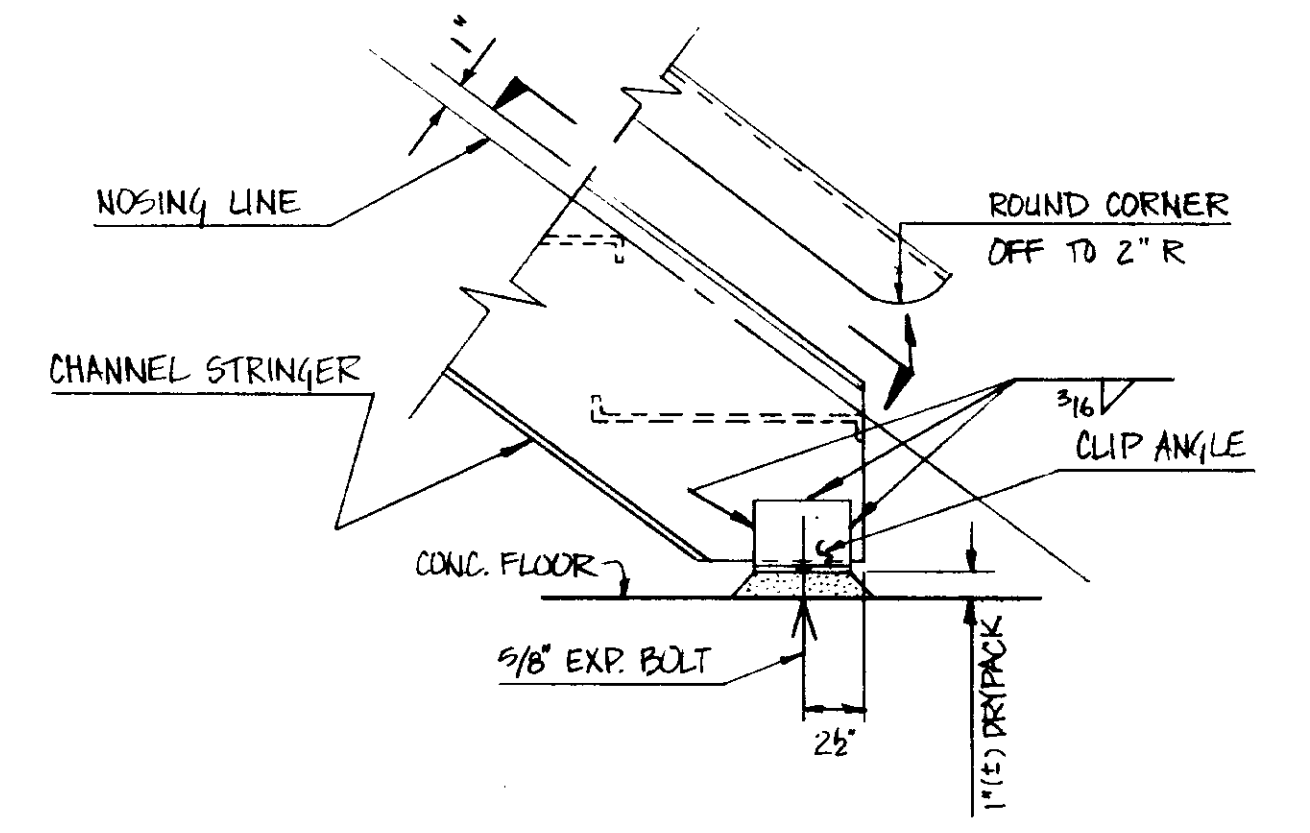
DETAIL 5
SKMM-10



DETAIL 6
SKMM-10

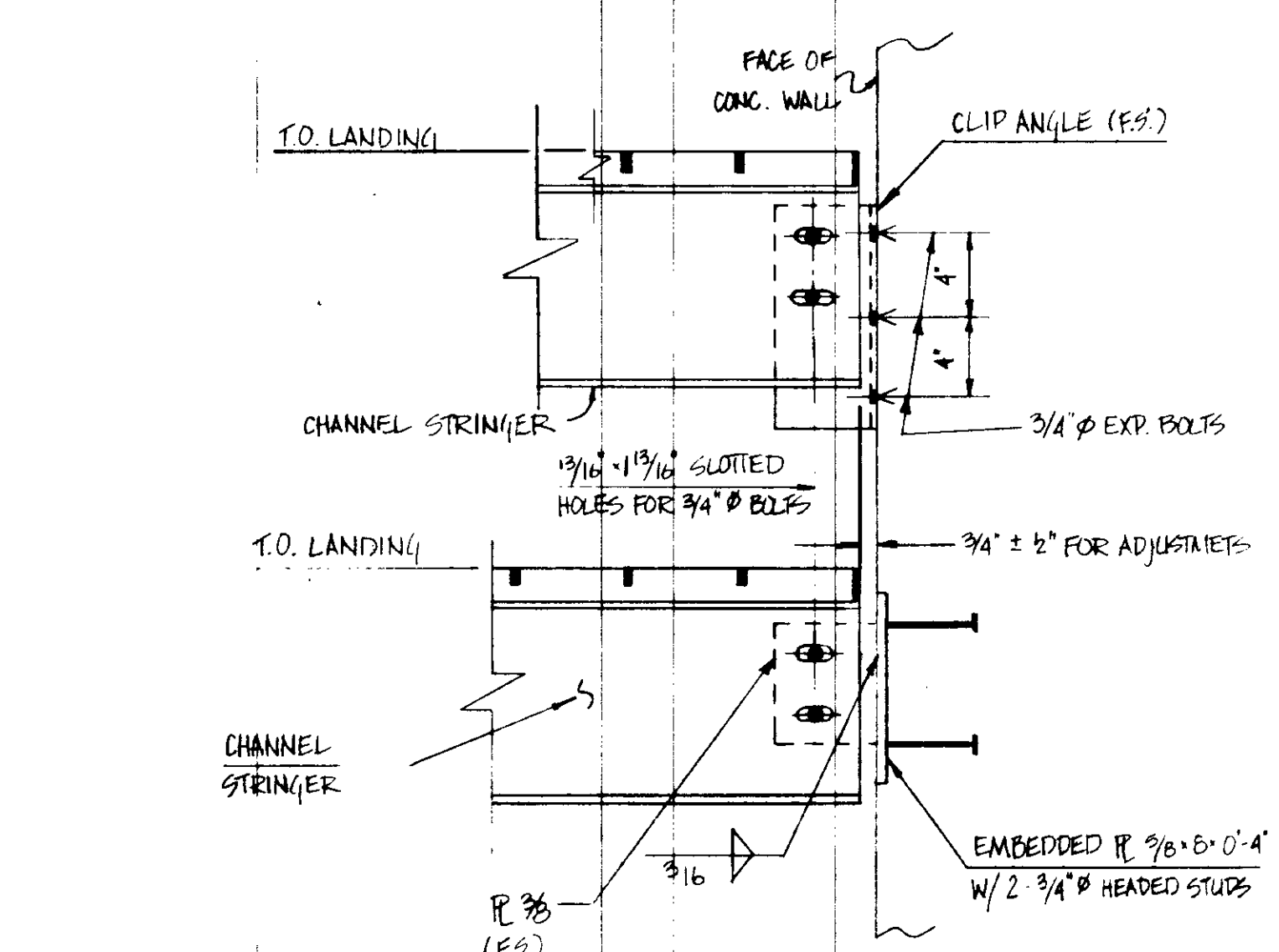


DETAIL 7
SKMM-10

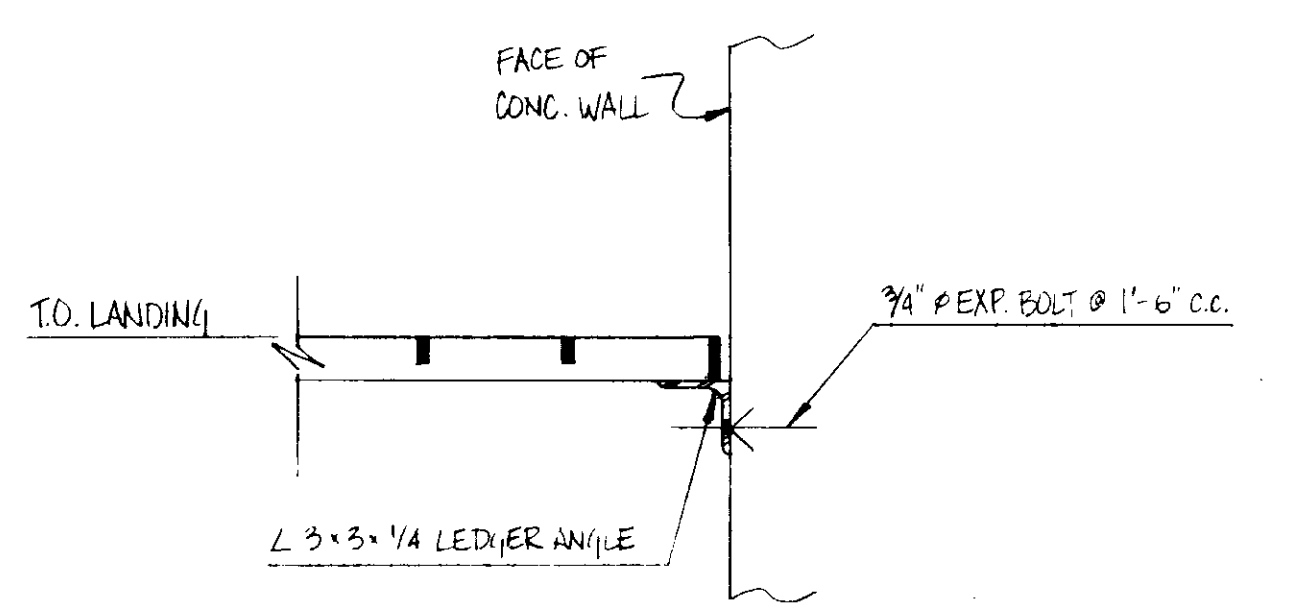


DETAIL 8
SKMM-10

NOTES
1 USE STAINLESS STEEL BOLTS AND STAINLESS STEEL EXPANSION BOLTS FOR ALL BOLTED CONNECTIONS.



TYPICAL STRINGER TO WALL CONN. 9
SKMM-10



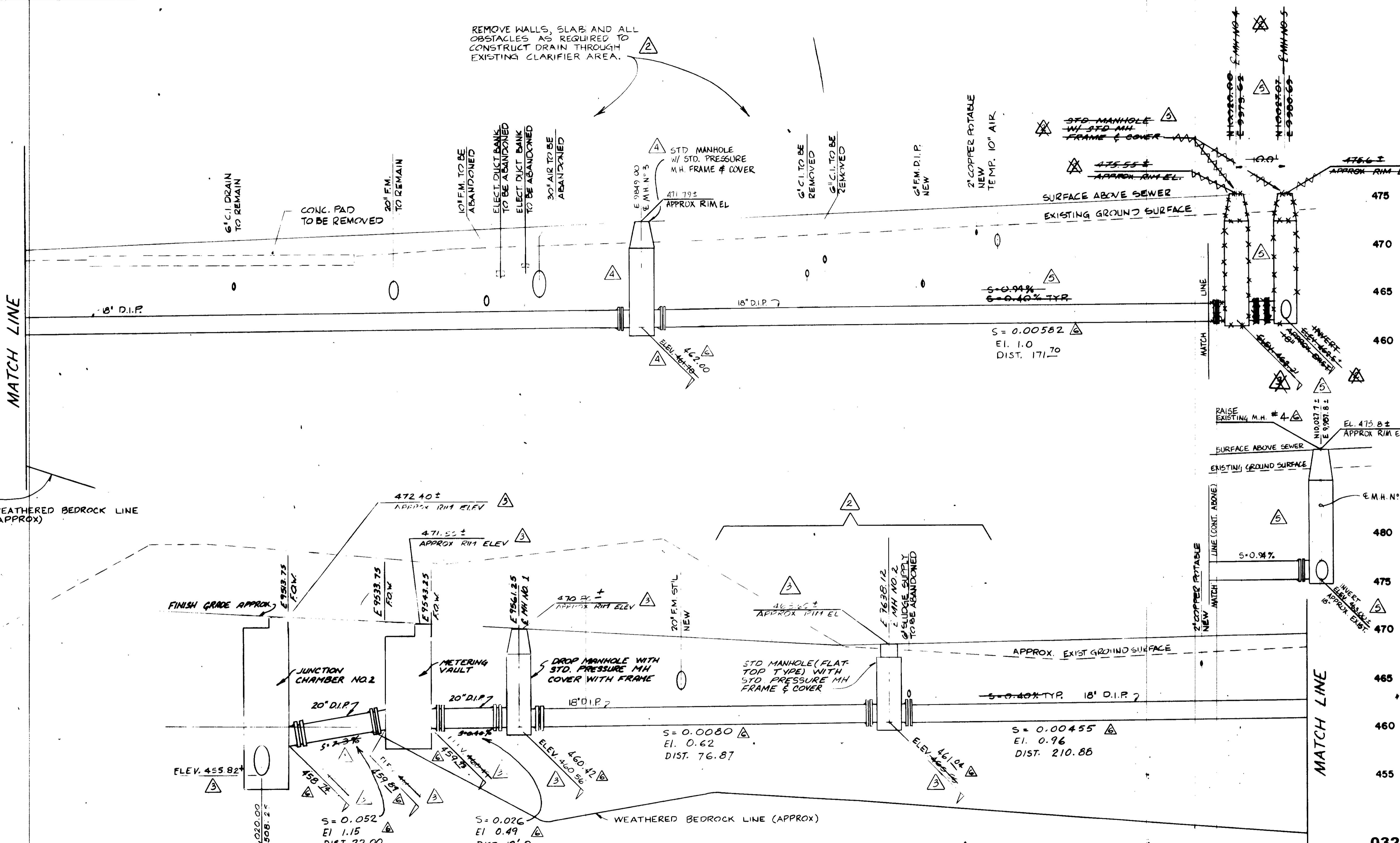
TYPICAL LEDGER ANGLE CONN. 10
SKMM-10

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
KATSURA CONSULTING ENGINEERS
March 1988

REFERENCE DWG.: SKMM-10
PLAN CLARIFICATION: PCL-C5-56
03205
PCL-C5-56

SCALE: 1 1/2" = 1'-0"	REV. DATE BY DESCRIPTION	Y. KATSURA CONS. ENGINEERS	DATE: MAY 8, 1981 DRAWN: G.S. CHECKED: R.P.E.	STAIRWAYS NOS. 12 & 13 DETAILS	SHEET MM-11B
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REMOVE WALLS, SLAB AND ALL OBSTACLES AS REQUIRED TO CONSTRUCT DRAIN THROUGH EXISTING CLARIFIER AREA.



PLANT DRAIN PROFILE

SCALE: HORIZ. 1" = 10'-0" APPROXIMATE
VERT. 1" = 5'-0" APPROXIMATE

NOTES

1. VERIFY INVERT OF EXIST. MH (M4) & ALL EXISTING UTILITY CROSSINGS PRIOR TO CONSTRUCTION OF PLANT DRAIN.
2. ALL UTILITY CROSSINGS ARE SHOWN APPROXIMATELY.
3. VERIFY DROP MANHOLE DRAIN INLET ELEV PRIOR TO DROP MANHOLE CONSTRUCTION.
4. UTILITIES SHALL BE ABANDONED ONLY AFTER APPROVAL OF ENGINEER.
5. DUCTILE IRON PIPE (D.I.P) SHALL BE THICKNESS CLASS 50 W/ POLYETHYLENE LINING.
6. SEE LVMWD STANDARD DRAWINGS 59, 73, 93, 105, & 118.
7. FOR PIPE BEDDING SEE SHT YP-20.

DESIGNER
 For Plans Information Provided By Henry-Zimmer & Alper
 HZA
 RSE 14000
 March 1988

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION
1	4-21-81	Y.K.	COASTAL COMMISSION REV. PART 2	1	4-21-81	Y.K.	COASTAL COMMISSION REV. PART 2
2	9-5-80	Y.K.	COASTAL COMMISSION REV. PART 1	2	9-5-80	Y.K.	COASTAL COMMISSION REV. PART 1
3	11-2-79	Y.K.	MISC. ADD. & CLARIFICATION	3	11-2-79	Y.K.	MISC. ADD. & CLARIFICATION
4	11-2-79	Y.K.	OAK TREE PRESERV. MOD.	4	11-2-79	Y.K.	OAK TREE PRESERV. MOD.

DESIGNED	Y. KATSURA	SUBMITTED	14038	8-15-79
CHECKED	C. SENIVONGS	PROJECT MANAGER	R.C.E. NO.	DATE
DRAWN	Y. KATSURA	PROJECT ADMINISTRATOR	14884	8-15-79
CHECKED			R.C.E. NO.	DATE

JKS CONSULTING ENGINEERS
 A JOINT VENTURE
 6801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 933-8117

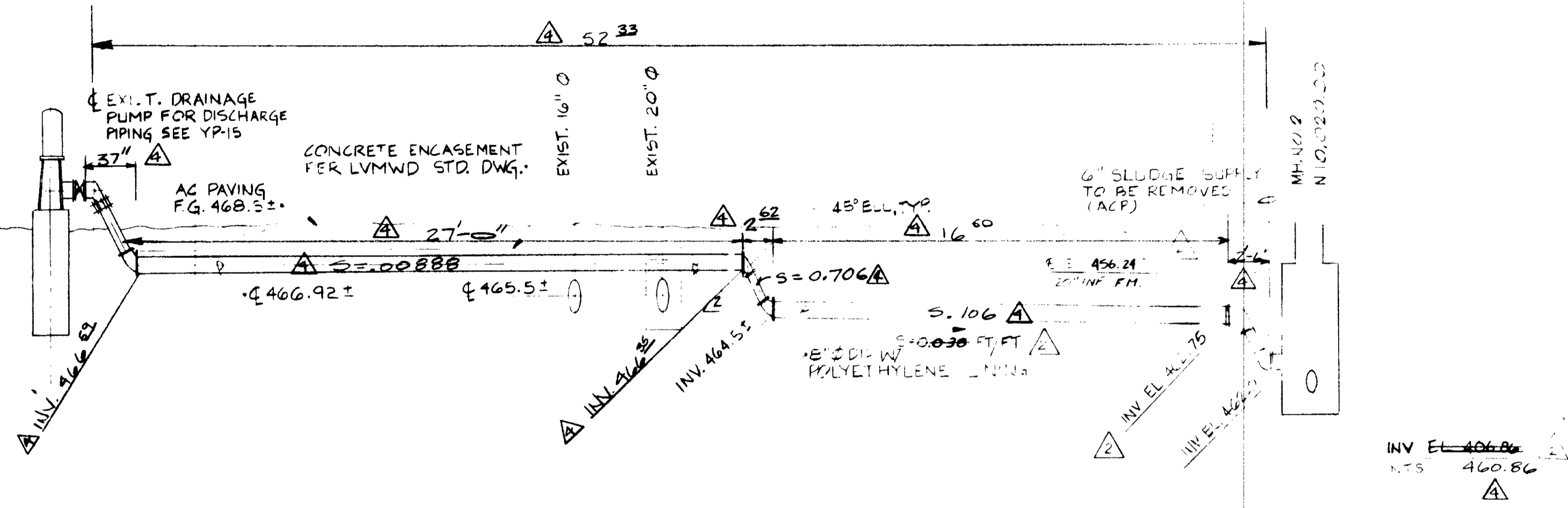
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 PLANT DRAIN PROFILE

SHEET
 YP-18

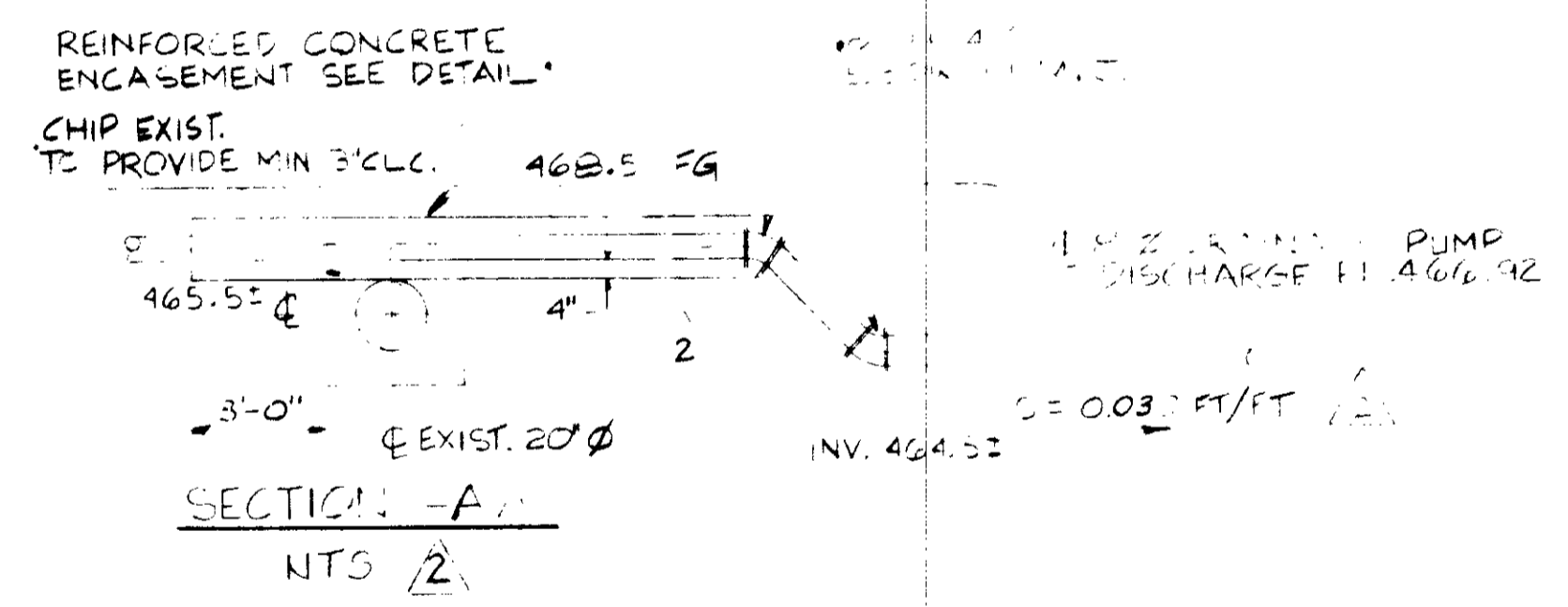
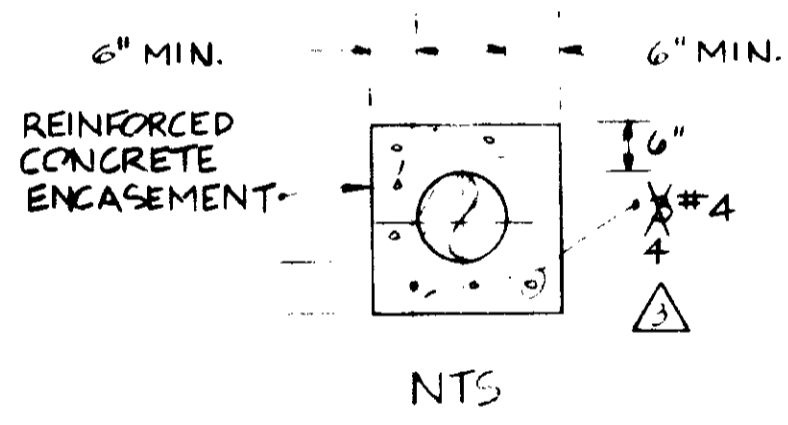
480

470

460

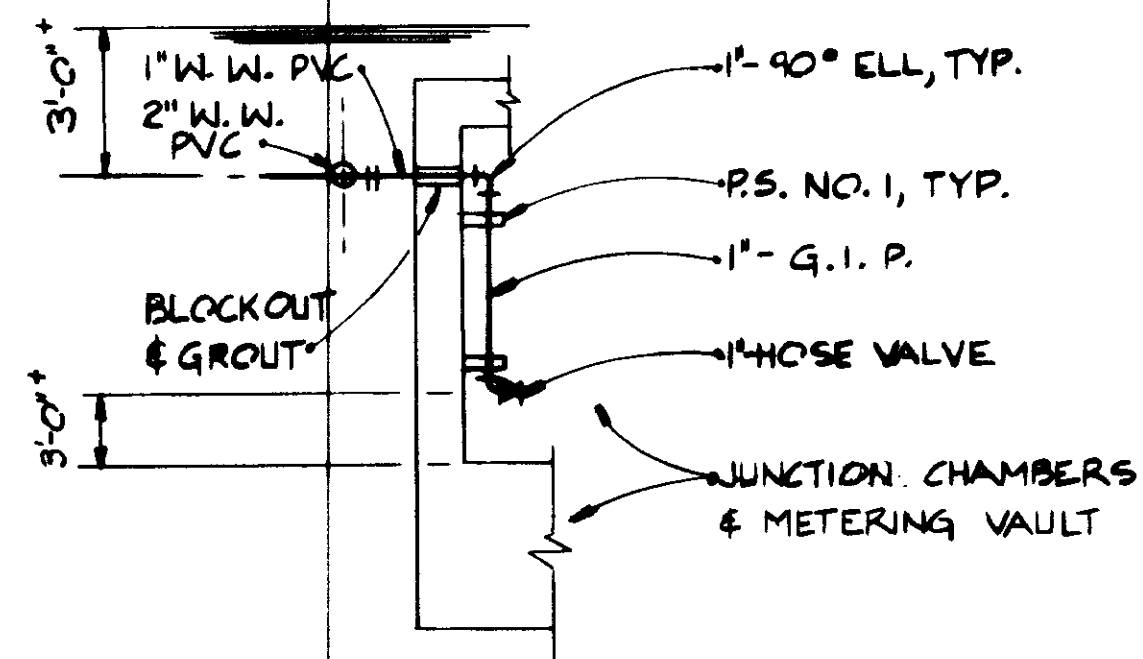


8" DRAINAGE PUMP DISCHARGE
NTS

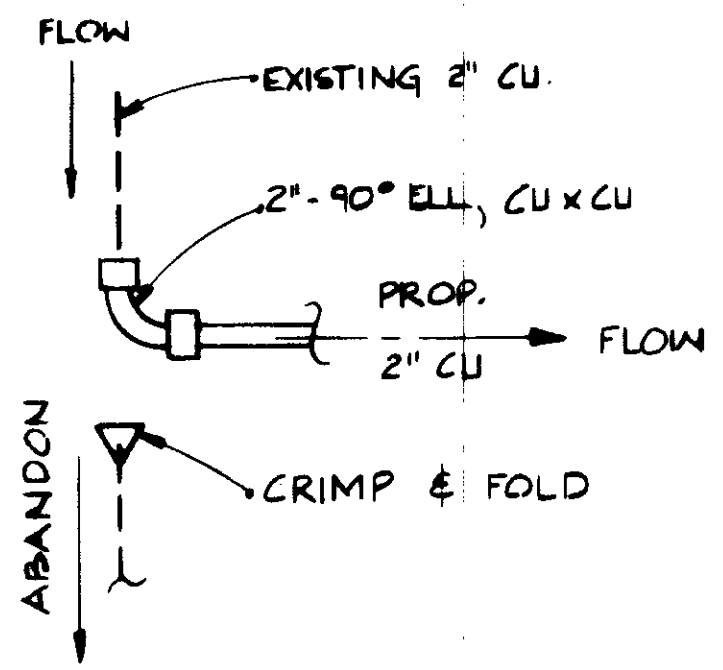


RECORD DRAWING
For Field Information Provided By Morley-Steburn & Alper
Y. Katsura
KATSURA CONSULTING ENGINEERS
March 1988
03207
PCH-C5-18

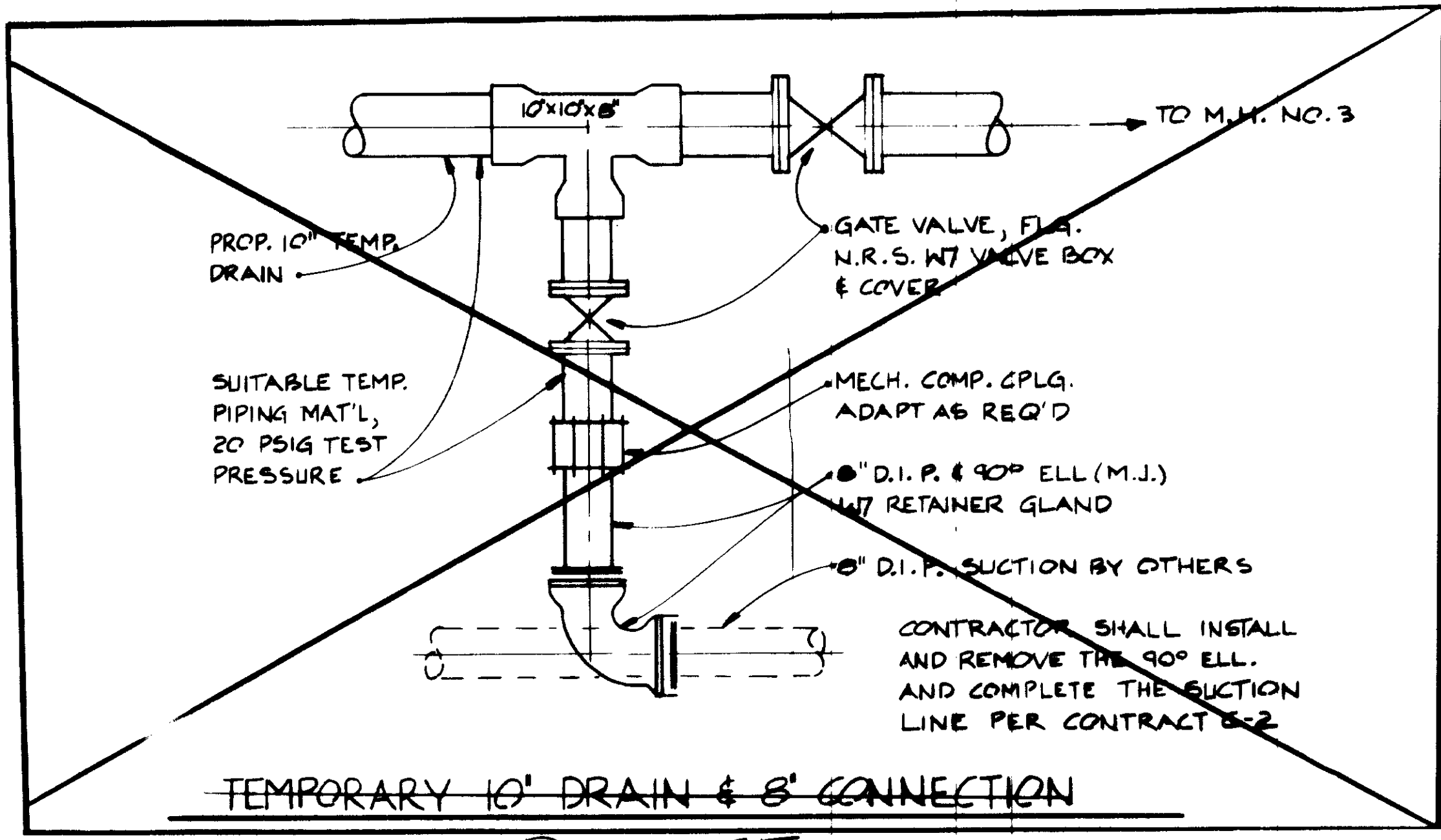
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION	SCALE :	RE / Y.K.	SUBMITTED	14038 12-26-79	<p>CONSULTING ENGINEERS A JOINT VENTURE 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 933-9117</p>	<p>LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.</p>	<p>SHEET YP-19</p>
							AS NOTED	DESIGNED	PROJECT MANAGER	R.C.E. NO.	DATE			
								DRAWN	PROJECT ADMINISTRATOR	R.C.E. NO.	DATE			
								CHECKED						



TYPICAL W.W. CONNECTION

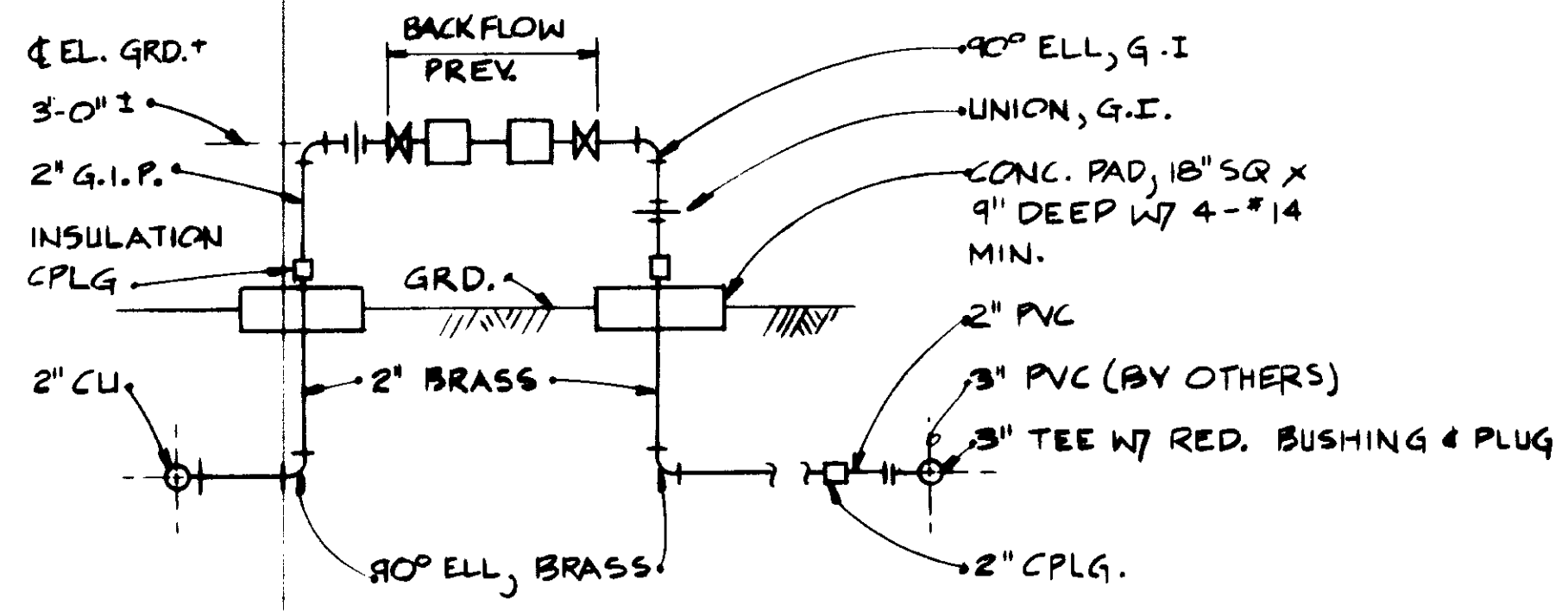


TYPICAL POT. WATER CONNECTION

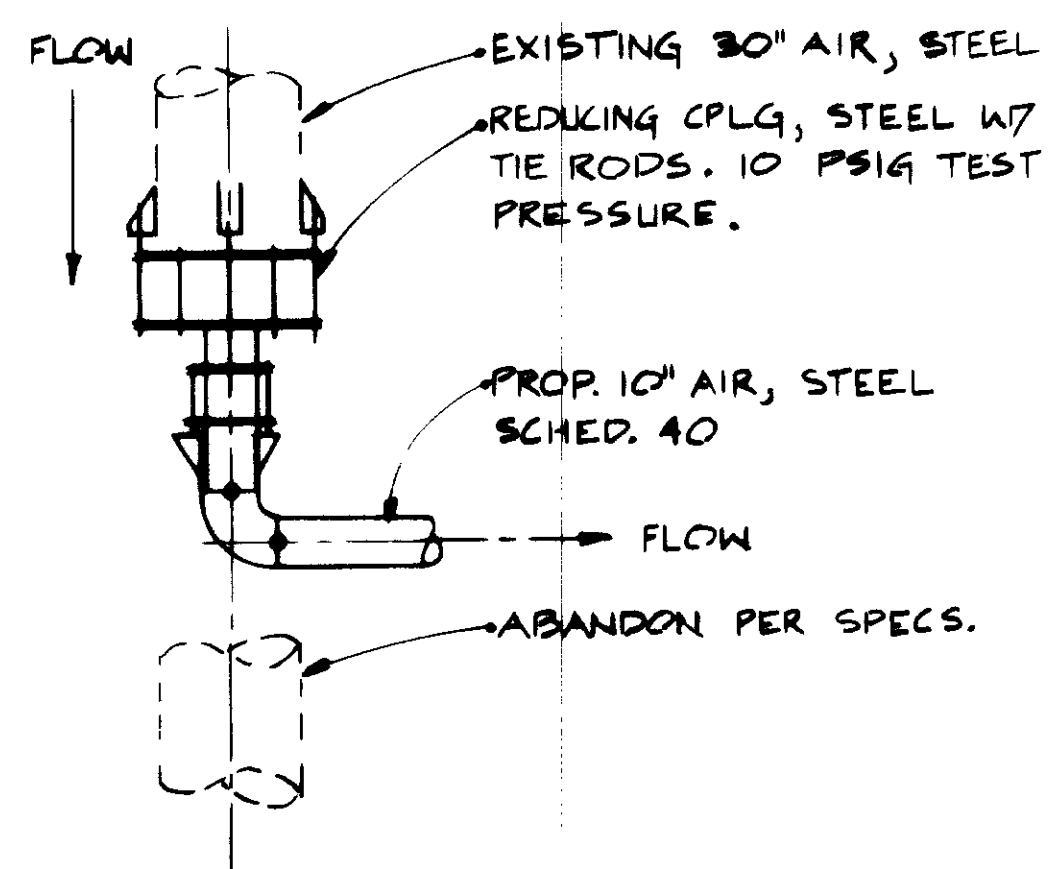


TEMPORARY 10' DRAIN & S' CONNECTION

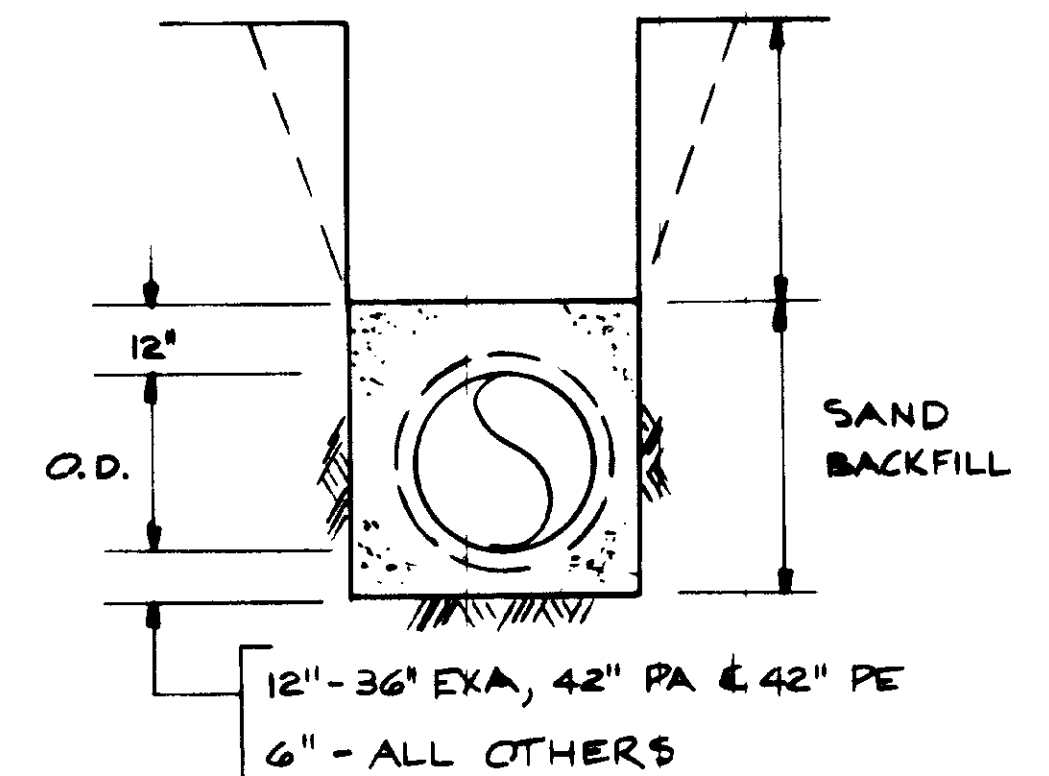
~~DELETE~~



BACKFLOW PREVENTION ASSEMBLY

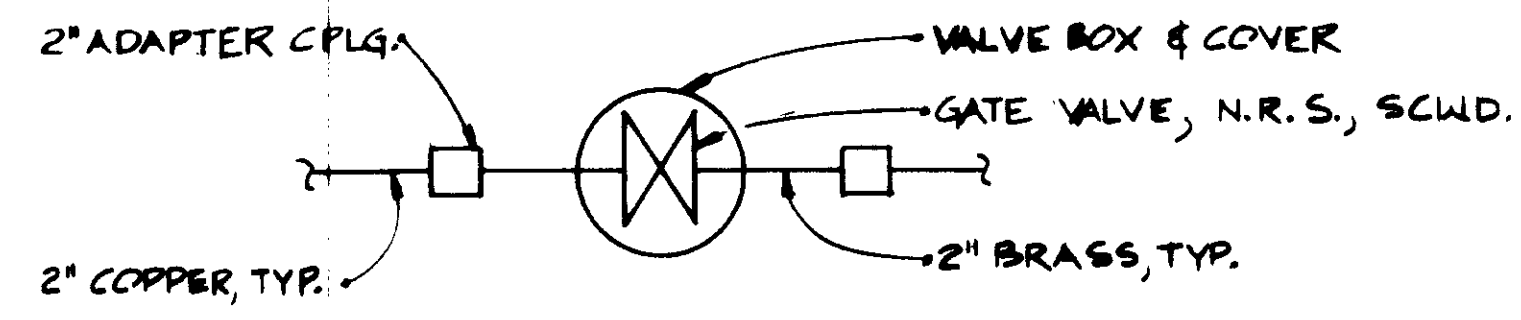


TEMPORARY 10" AIR BYPASS

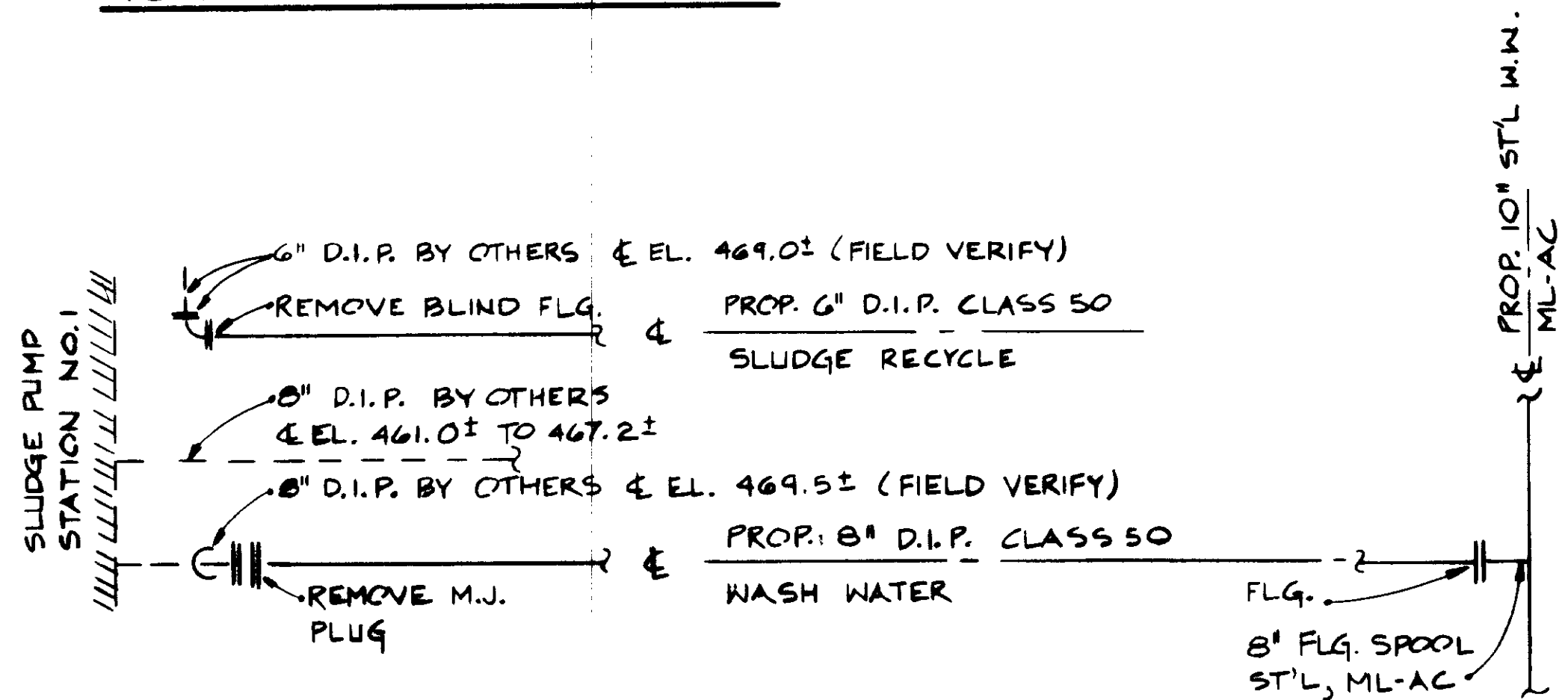


PIPE BEDDING DETAIL

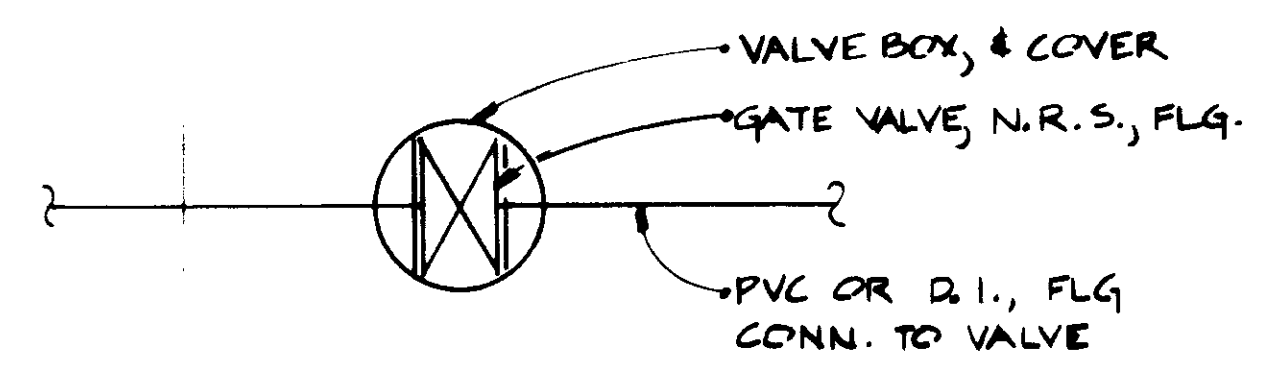
NOTE: UNLESS DETAILED OTHERWISE, THE PIPE BEDDING DETAIL SHALL GOVERN.



TYPICAL POT. WATER VALVE DETAIL



SLUDGE P.S. NO. 1 W.W. & S.R. CONNECTIONS



DRAIN VALVE DETAIL

REV	DATE	BY	DESCRIPTION

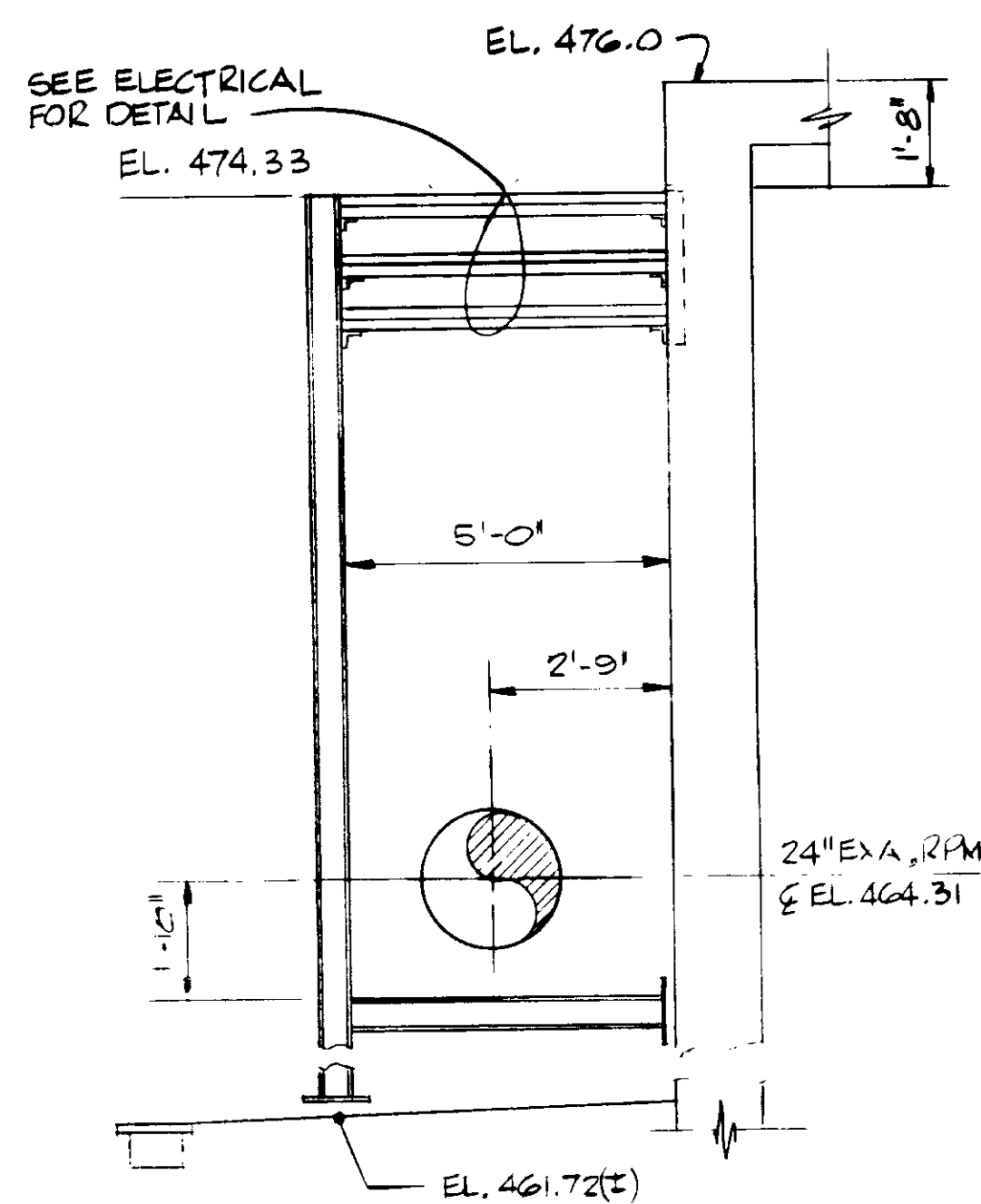
SCALE :	Y. KATSURA DESIGNED G. WINKLER	SUBMITTED 14884 12-26-79
NONE	REV. PER MZA & JCE ADDITIONS ADDENDUM NO. 1	PROJECT MANAGER R.C.E. NO. DATE
	Y. KATSURA DRAWN	14884 12-26-79
	CHECKED	R.C.E. NO. DATE

J&K CONSULTING ENGINEERS
A JOINT VENTURE
9001 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 955-9117

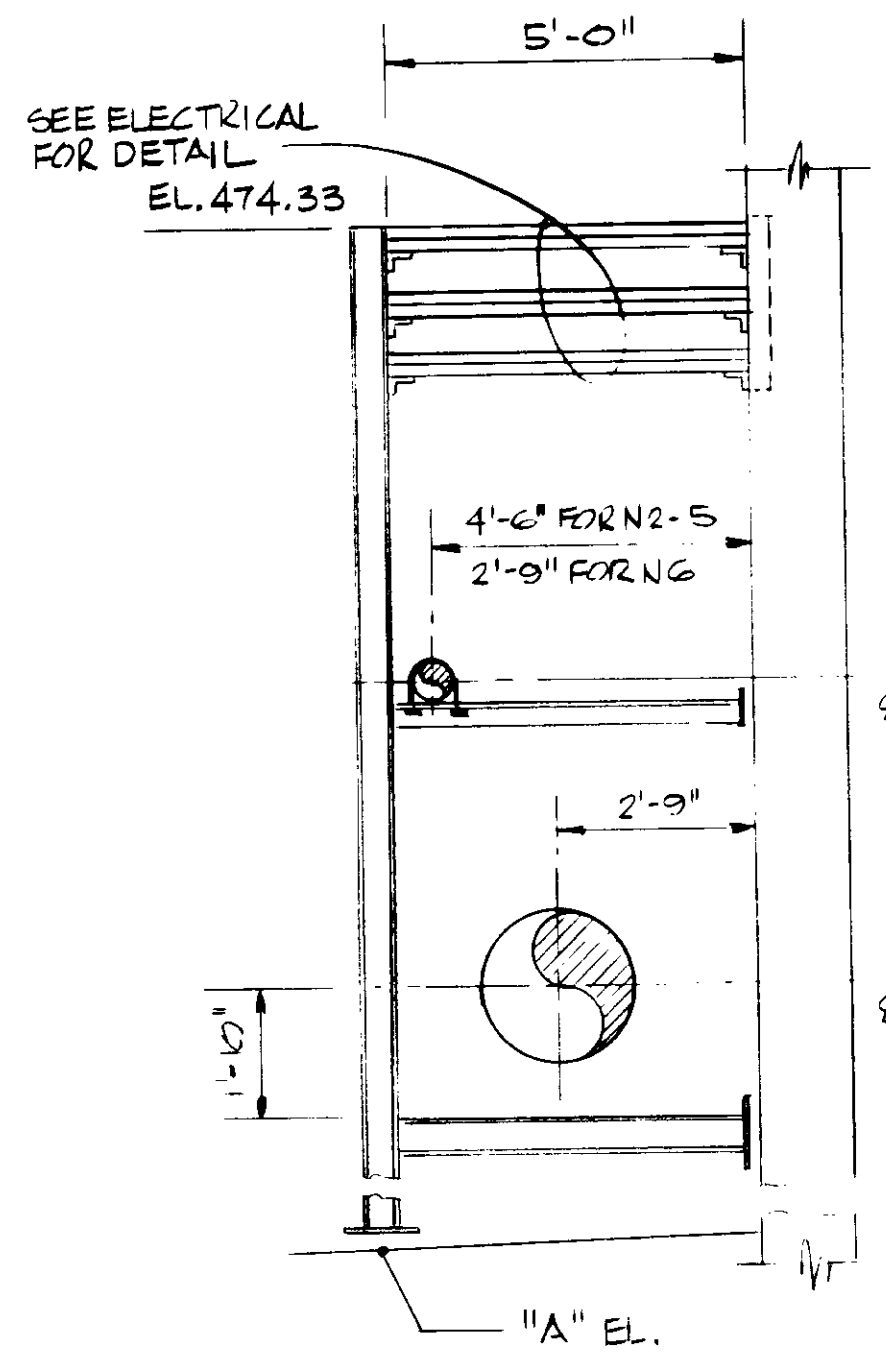
RECORD DRAWING
Per Field Information Provided by Morley-Ziebarth & Alper
Y. Katsura
RCE 14884
KATSURA CONSULTING ENGINEERS
March 1988

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
MISC. DETAILS - II

SHEET
YP-20



SF-EW-N1

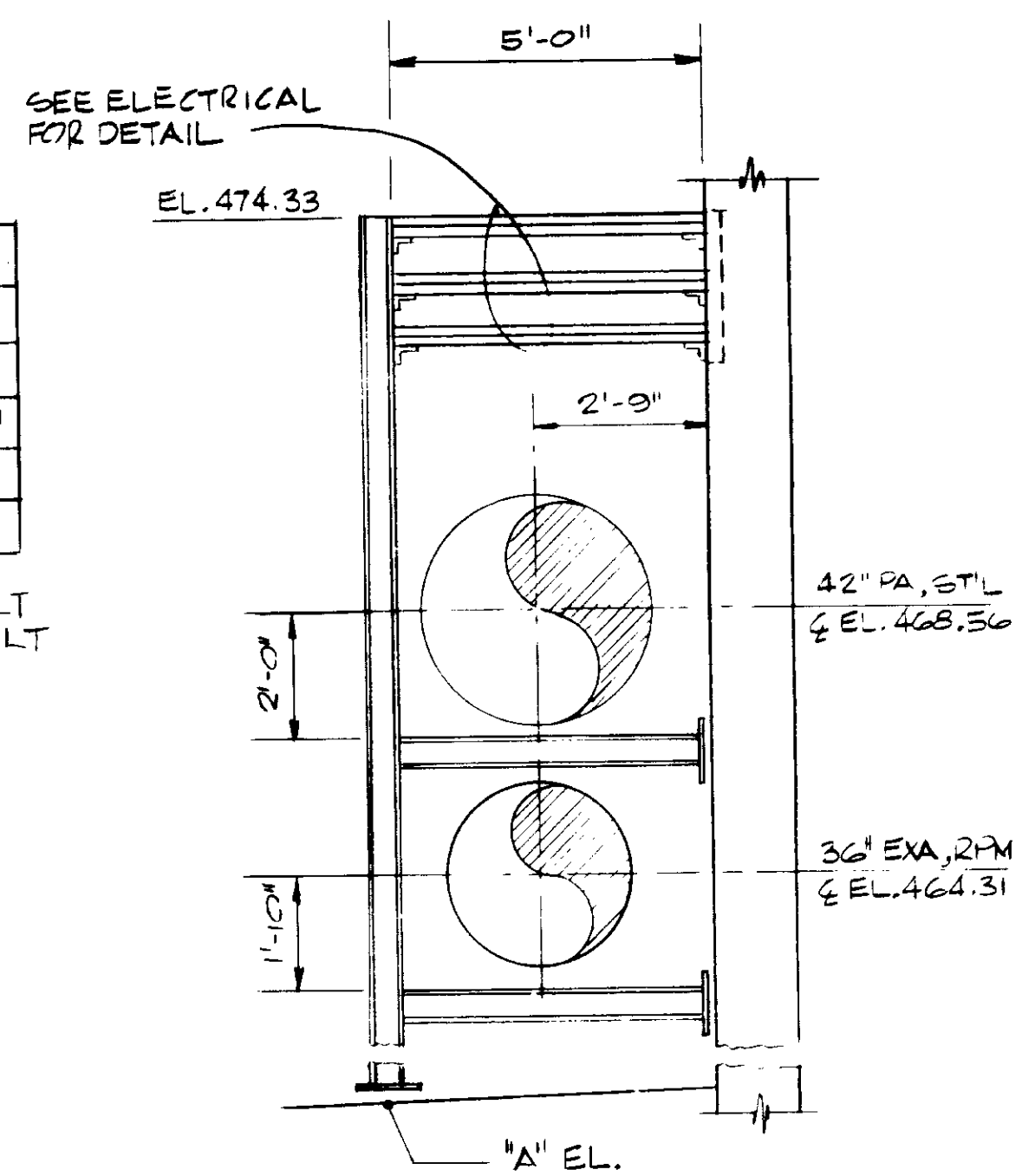


SF-EW-N2 THRU N6

SF-EW	"A" EL. (±)	PA	EXA
N2	461.42	6"	24"
N3	461.26	6"	30"
N4	461.12	6"	30"
N5	460.38	8"	36"
N6	460.21	8"	36"

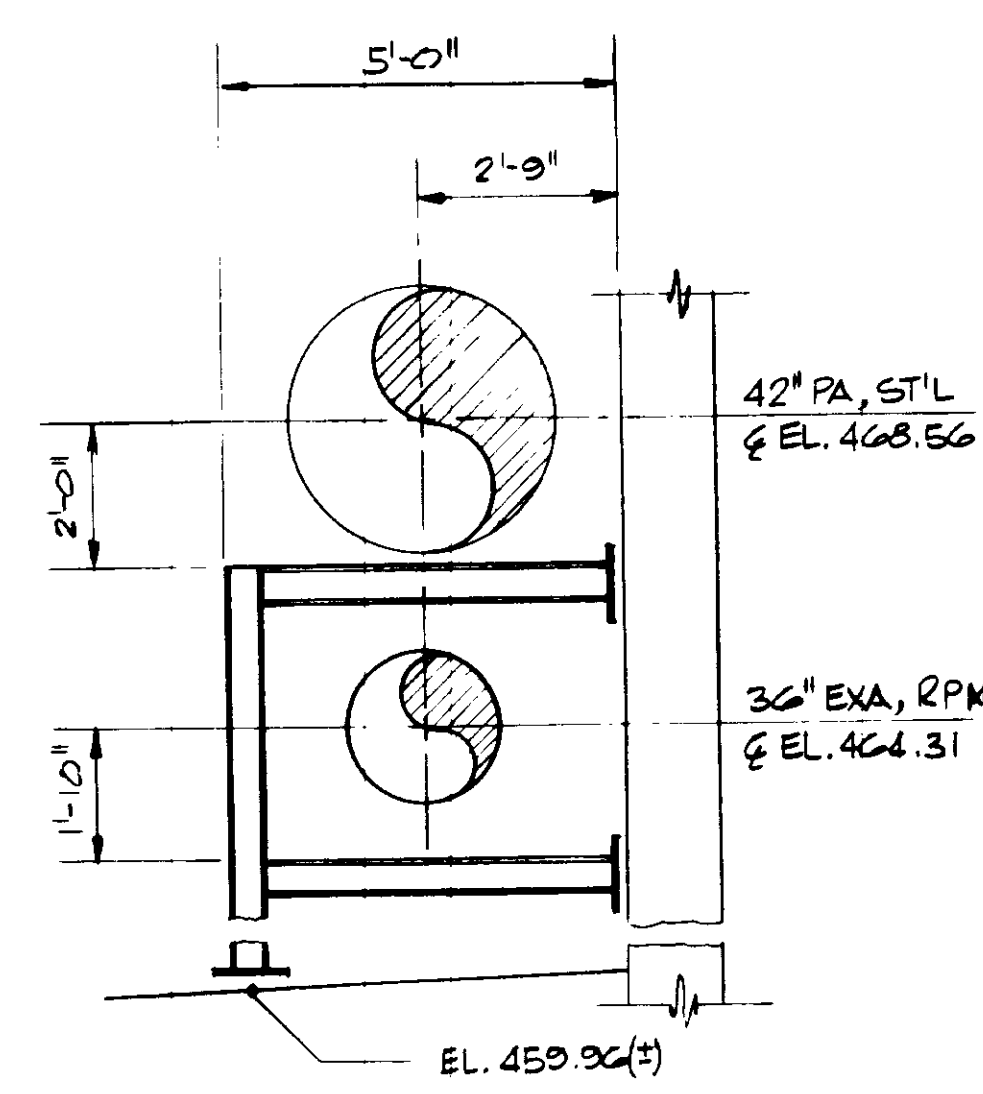
PA, STD. STL. 6" - 5/8" φ U-BOLT
 EL. 468.56 8" - 5/8" φ U-BOLT

EXA, RPM
 EL. 464.31

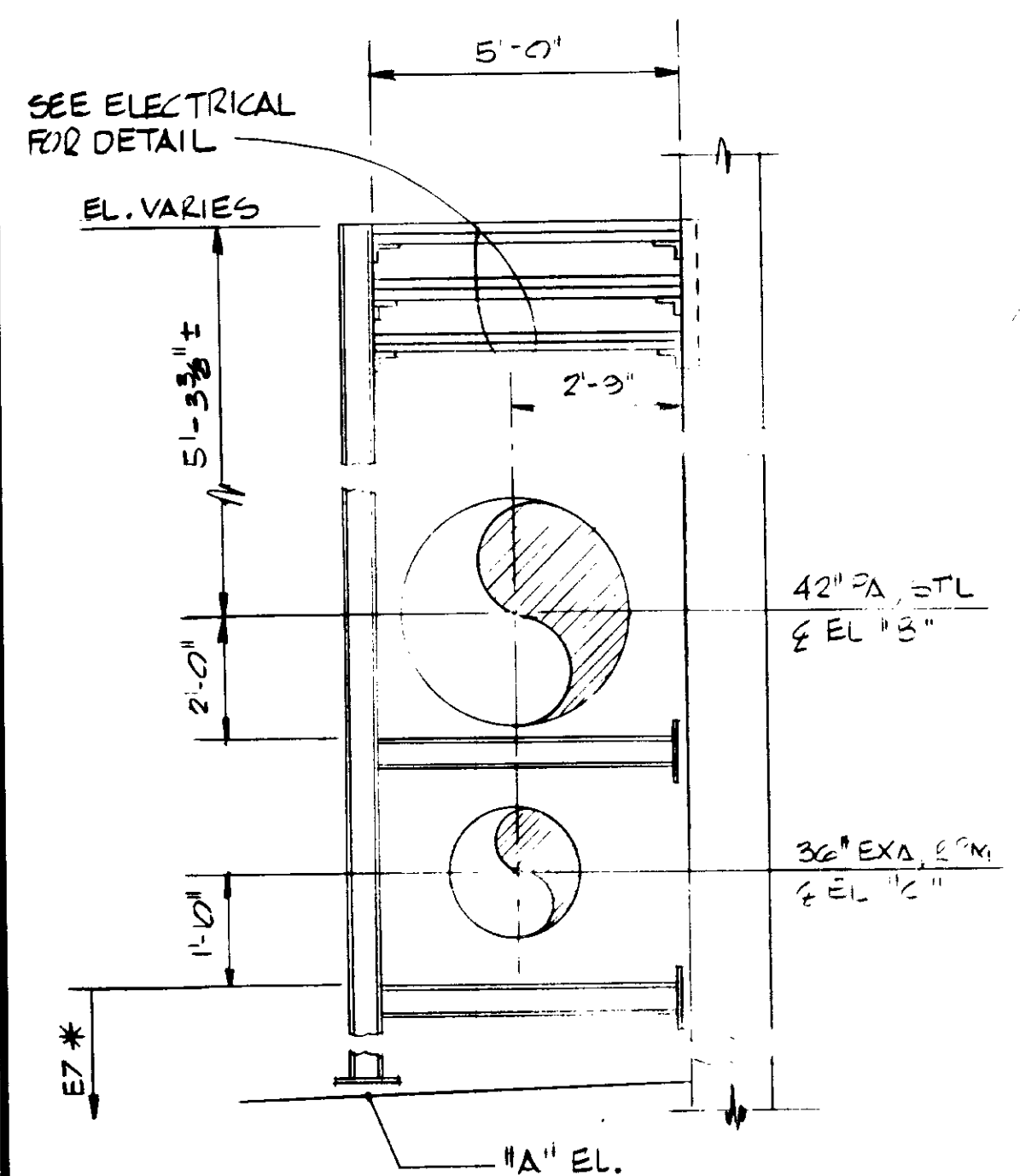


SF-EW-N7 THRU N16
 SF-NS-E2

SF-EW	"A" EL. (±)
N7	461.09
N8	461.29
N9	461.29
N10	461.09
N11	460.89
N12	460.70
N13	460.52
N14	460.32
N15	460.14
N16	459.96
E2	460.40



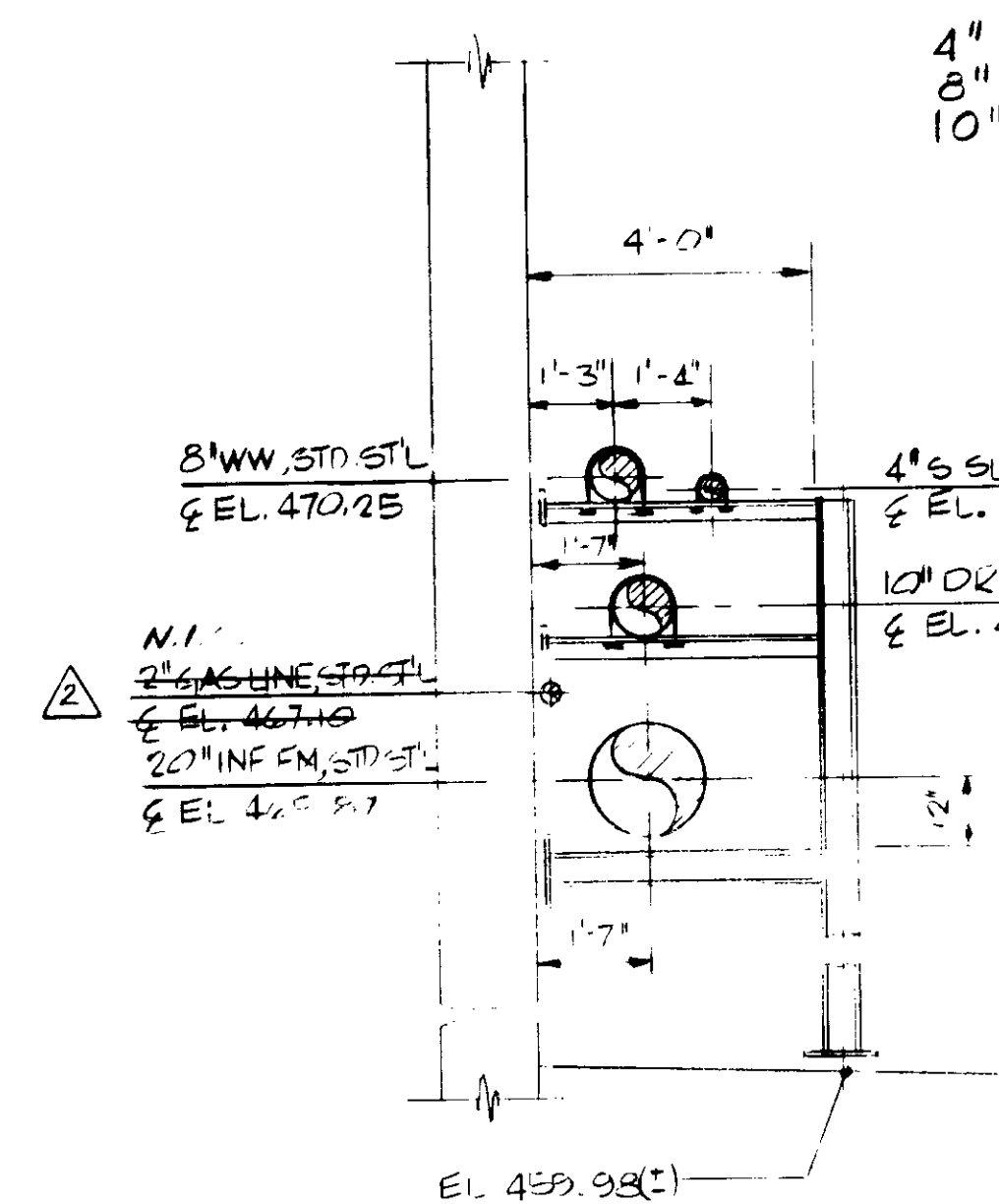
SF-NS-E1



SF-NS-E3 THRU E6
 SF-NS-E7

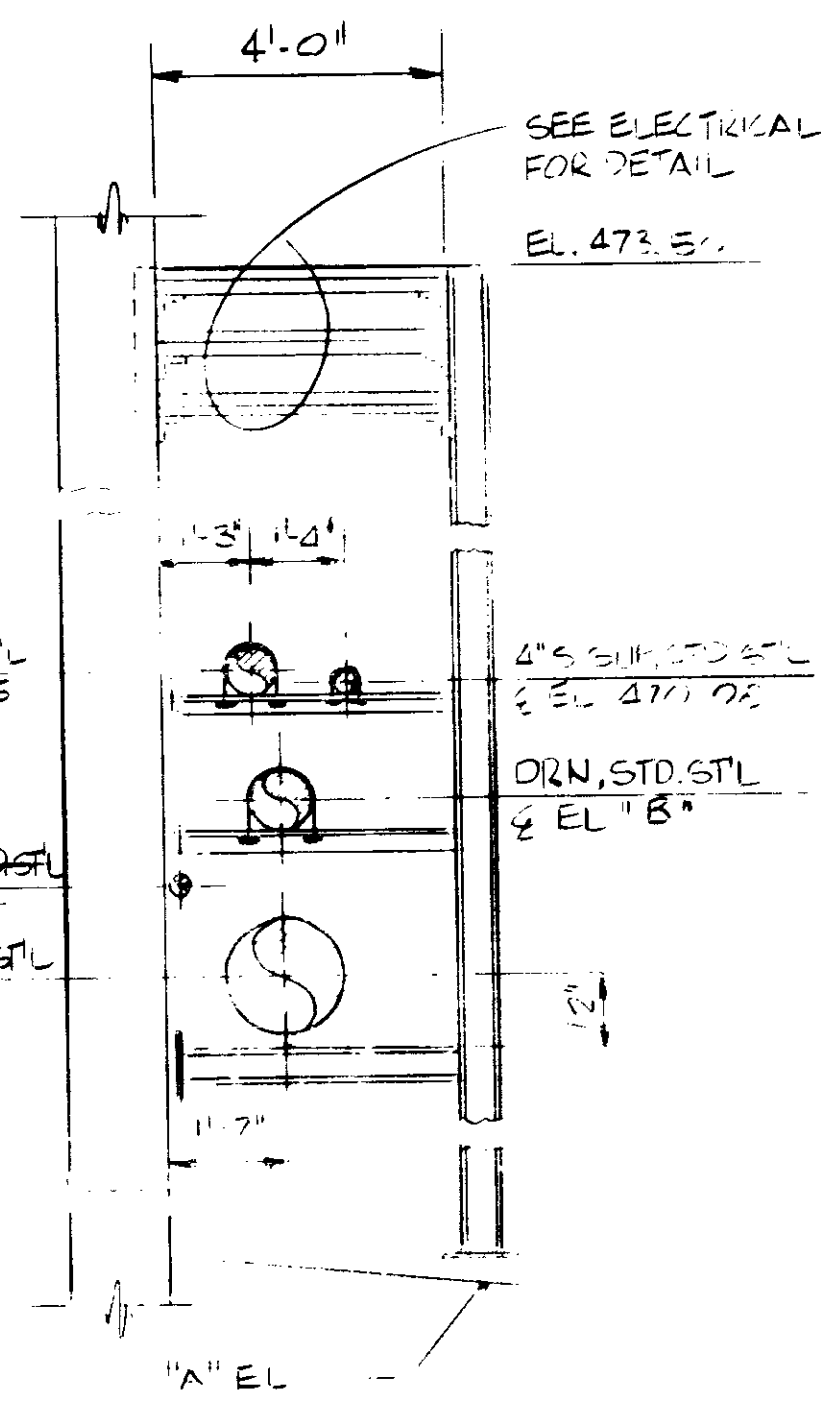
SF-NS	"A" EL. (±)	EL "B"	EL "C"
E3	461.09	468.97	464.72
E4	462.49	469.81	465.56
E5	464.17	471.42	467.02
E6	465.27	472.81	468.09
E7	466.63	—	469.61

* SUPPORT FRAME ONLY SUPPORTS
 36" EXA, RPM



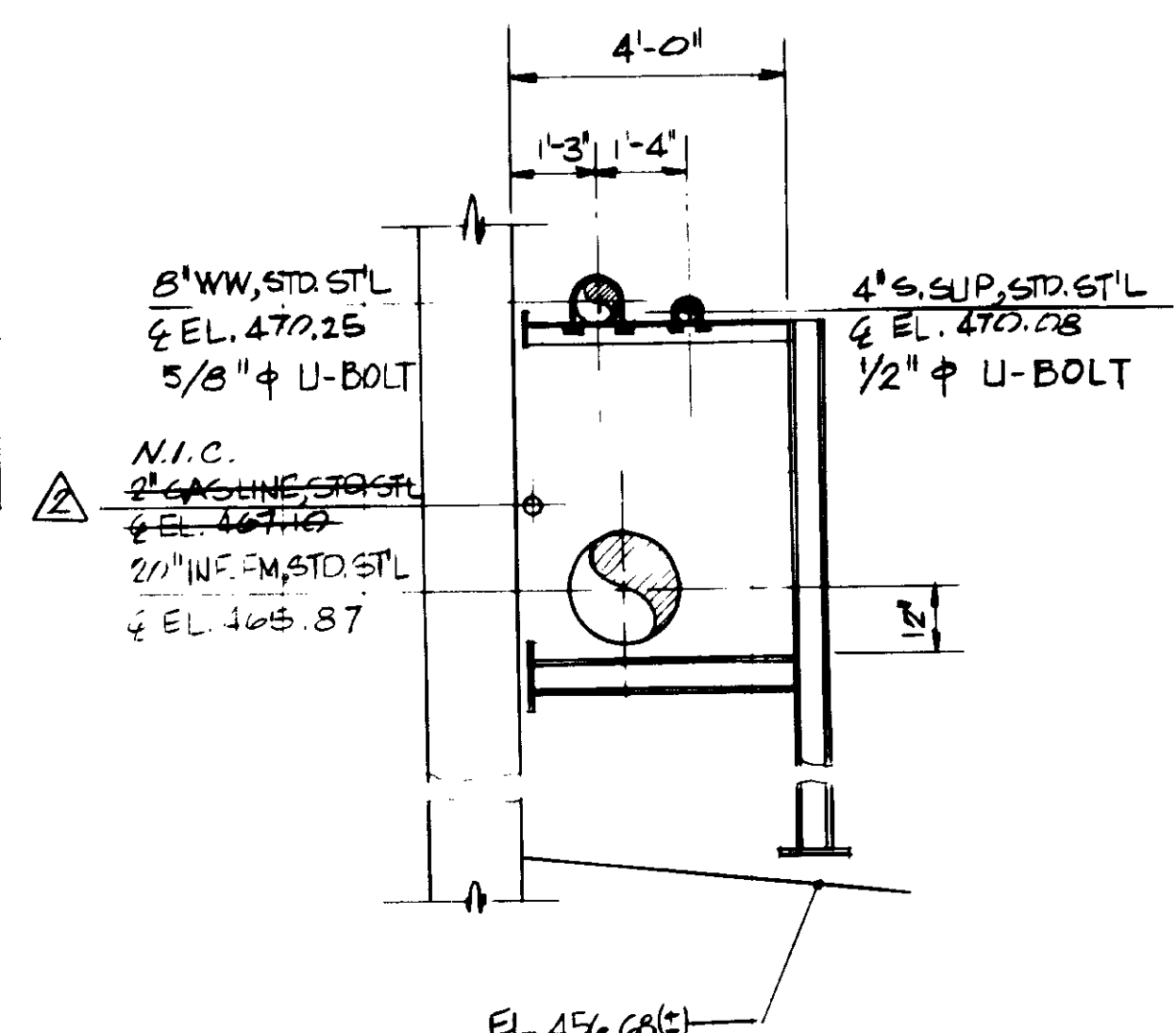
SF-EW-S1

4" - 1/2" φ U-BOLT
 8" - 5/8" φ U-BOLT
 10" - 3/4" φ U-BOLT



SF-EW-S2 THRU S10

SF-EW	"A" EL. (±)	DRN	EL "B"
S2	460.15	10"	468.30
S3	460.35	10"	468.30
S4	460.55	10"	468.30
S5	460.75	8"	468.21
S6	460.90	8"	468.21
S7	461.15	8"	468.21
S8	461.36	8"	468.21
S9	461.16	8"	468.21
S10	460.96	8"	468.21



SF-EW-S11

REV	DATE	BY	DESCRIPTION
1	1-4-84	C.L.	REV PER MZA & JLE
2	4-27-81	Y.K.	MOD SHOP DRAWING 003 012.3
3	9-21-80	Y.K.	CORRAL COMM. REV. PART 2
4	1-6-80	Y.K.	ADDITIONS ADDENDUM NO. 2

SCALE :	DESIGNED	PROJECT MANAGER	SUBMITTED
NONE	R. EWING	Y. KATSURA	14038 1-6-80
	C. SENIVONG	PROJECT ADMINISTRATOR	R.C.E. NO. DATE
	Y. KATSURA	14894 1-6-80	R.C.E. NO. DATE

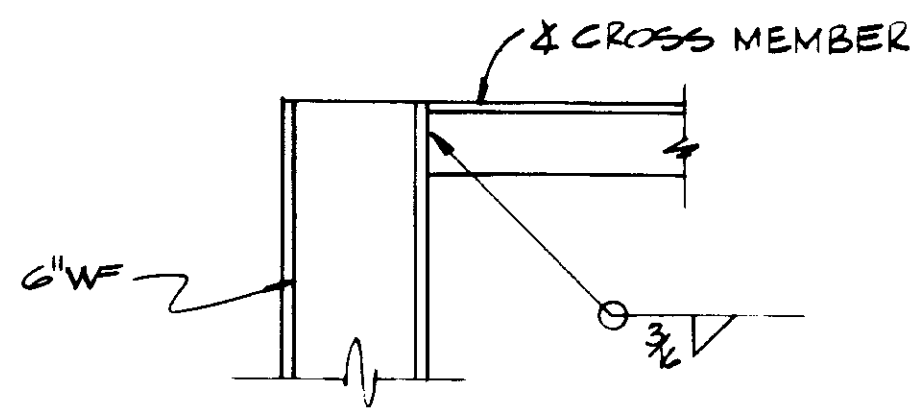
JKS CONSULTING ENGINEERS
 A JOINT VENTURE
 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 933-9117

RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alger
 RCE 14038
 March 1985

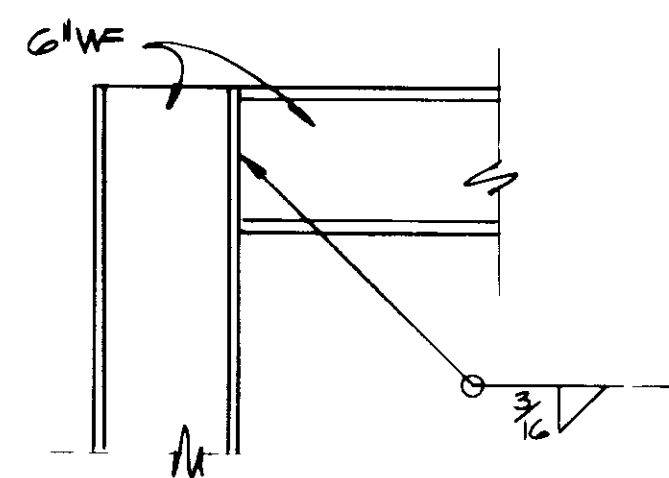
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.

SUPPORT FRAMING DETAILS I

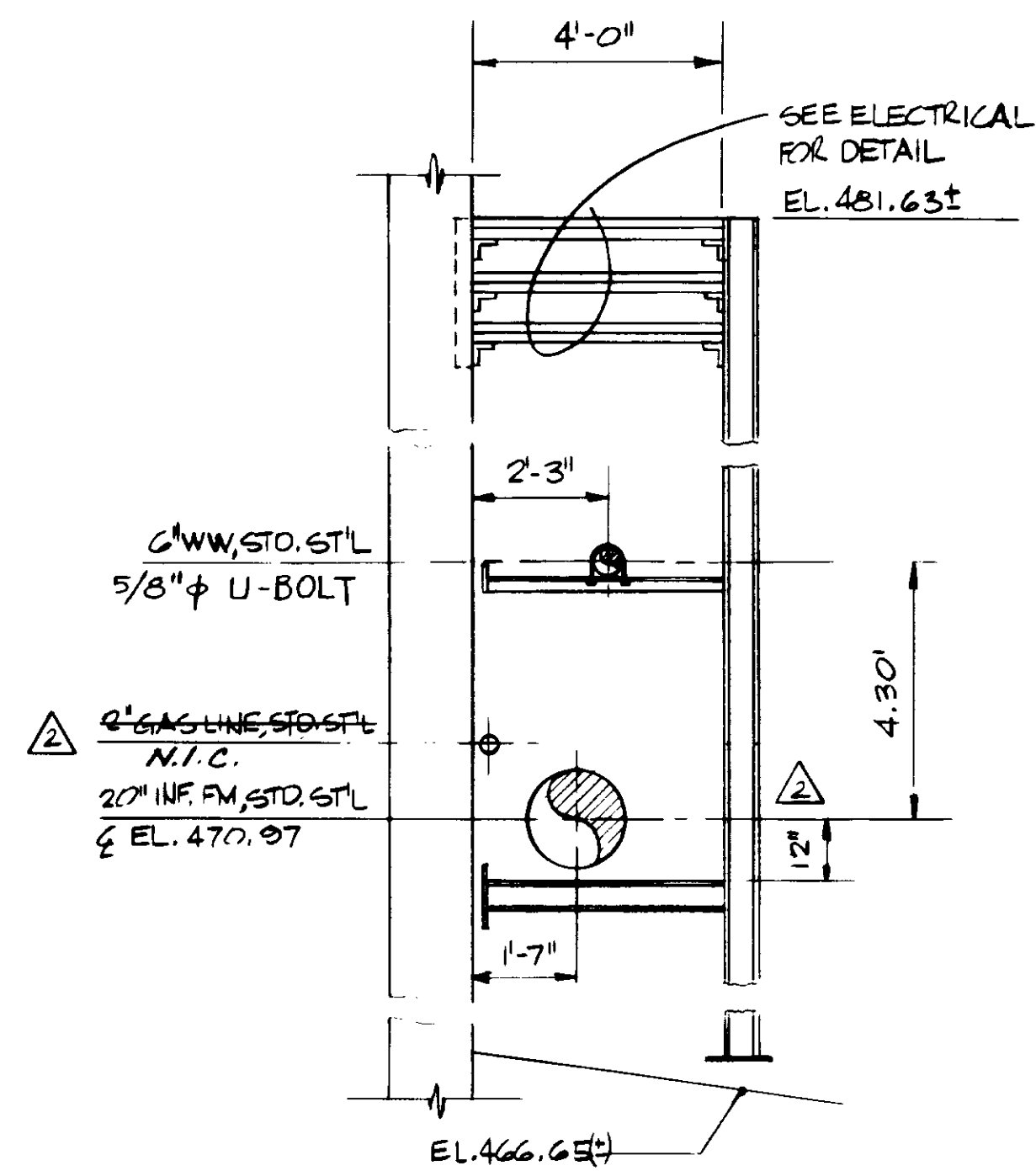
SHEET 4 OF 22
 YP-21



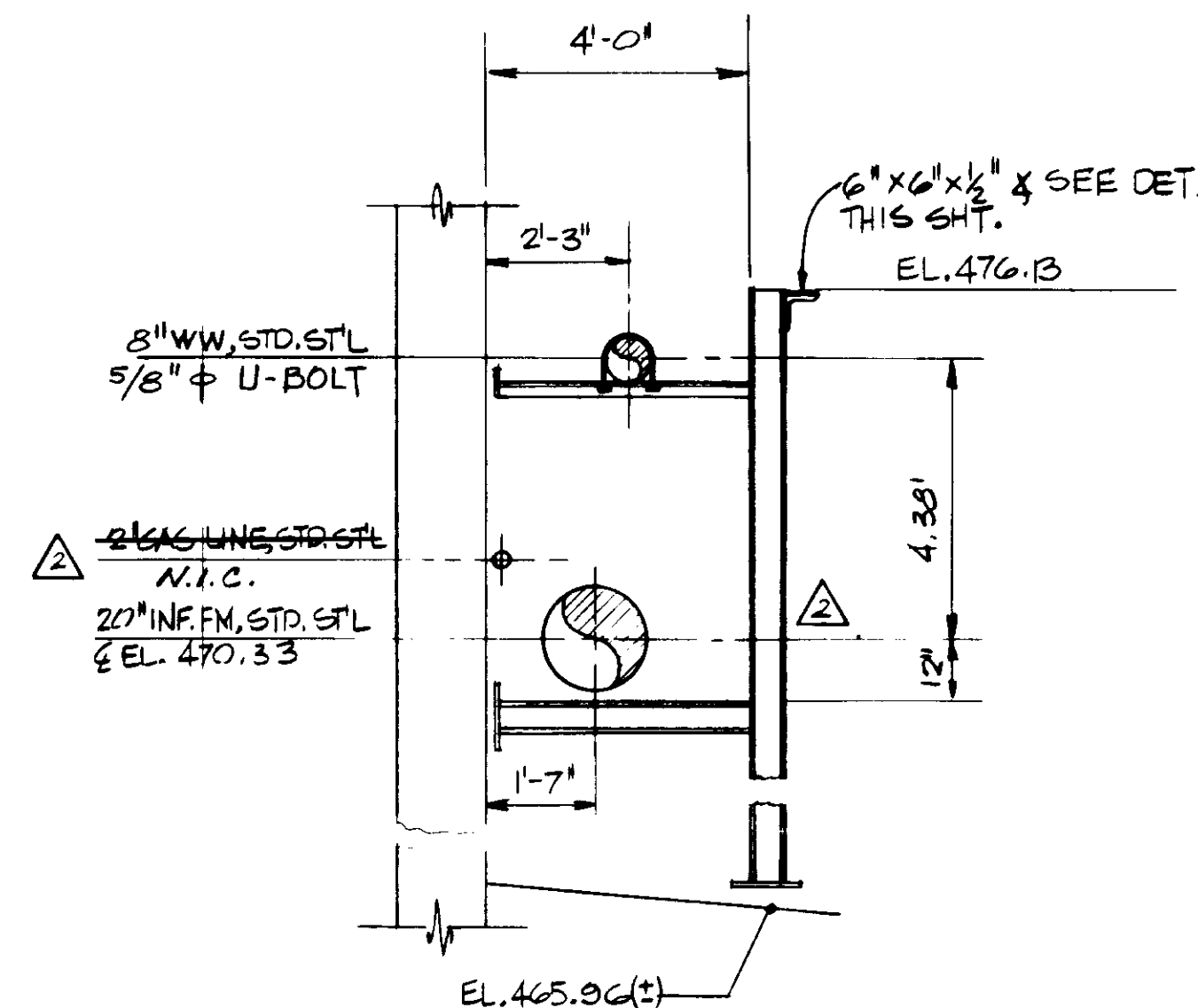
TYPICAL WF TO L



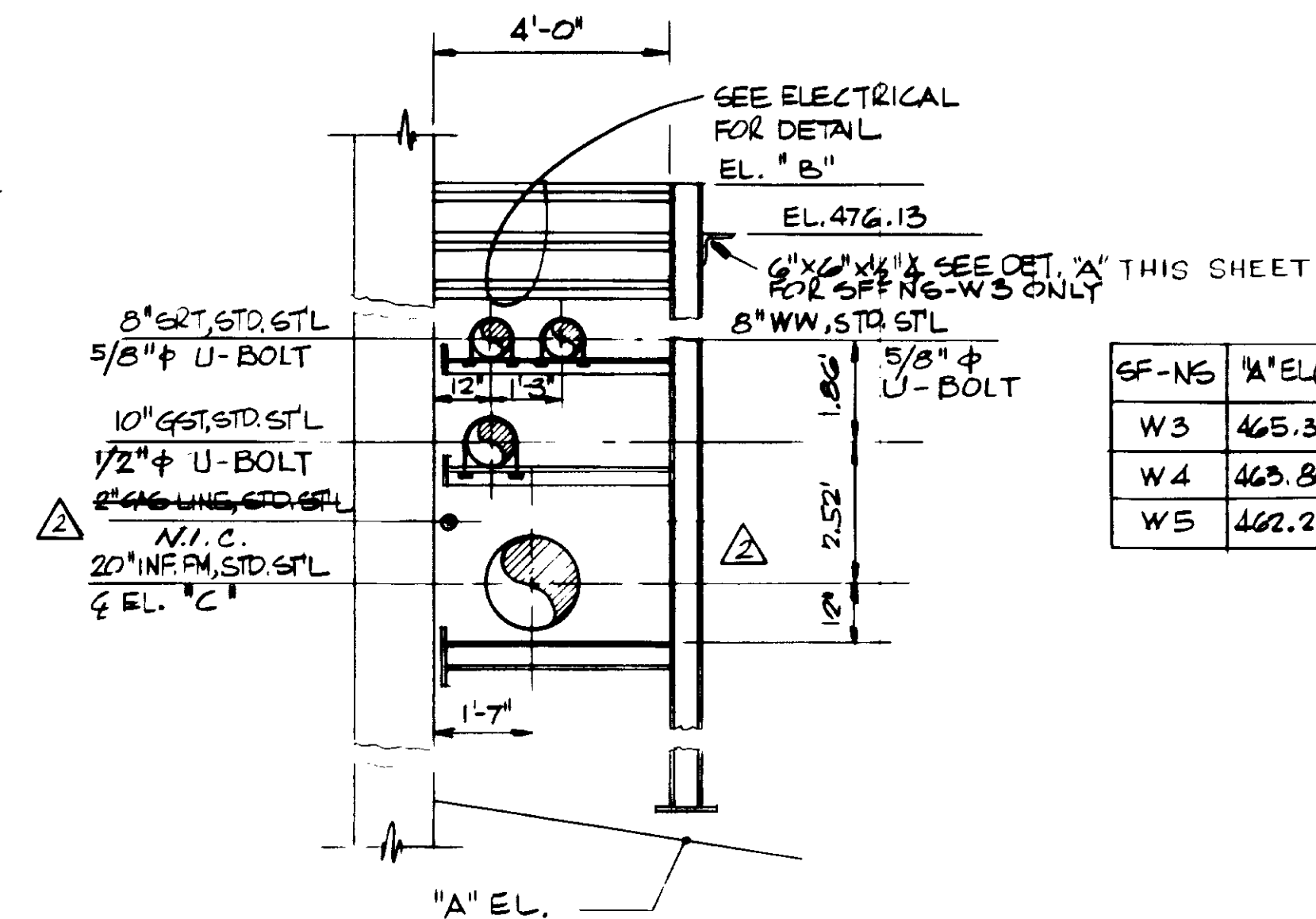
TYPICAL WF TO L



SF-NS-W1

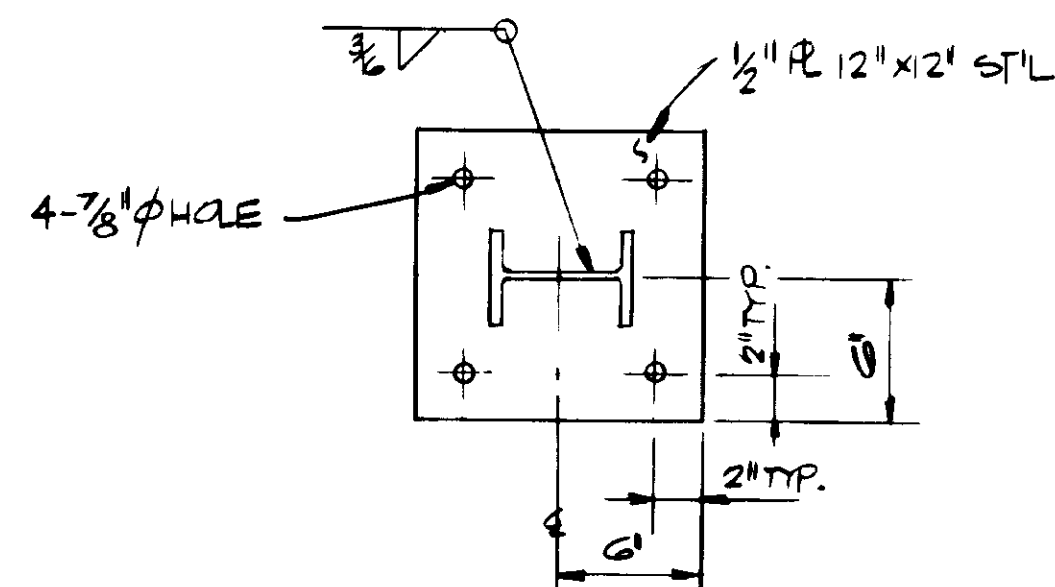


SF-NS-W2

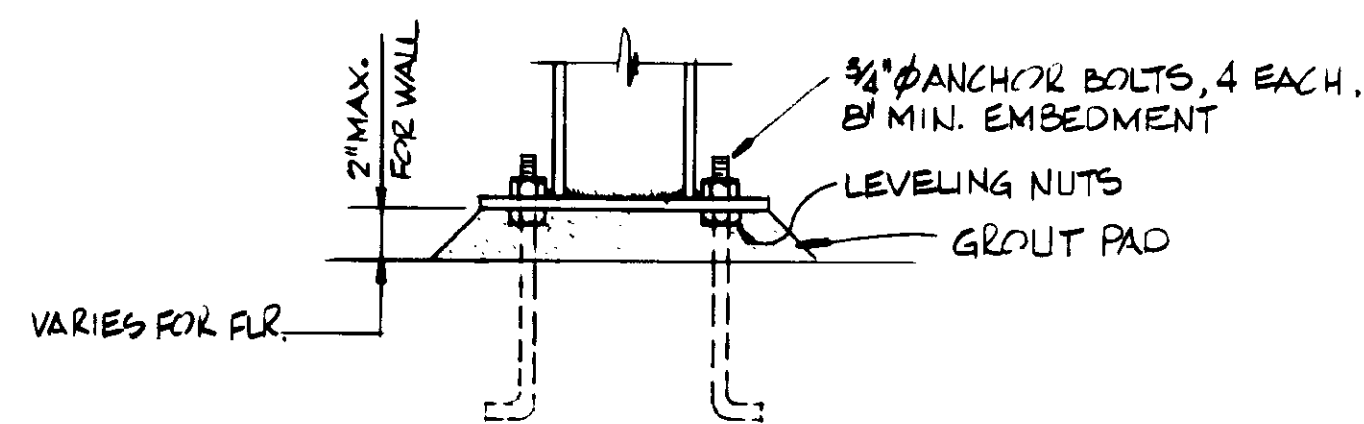


SF-NS-W3 THRU W5

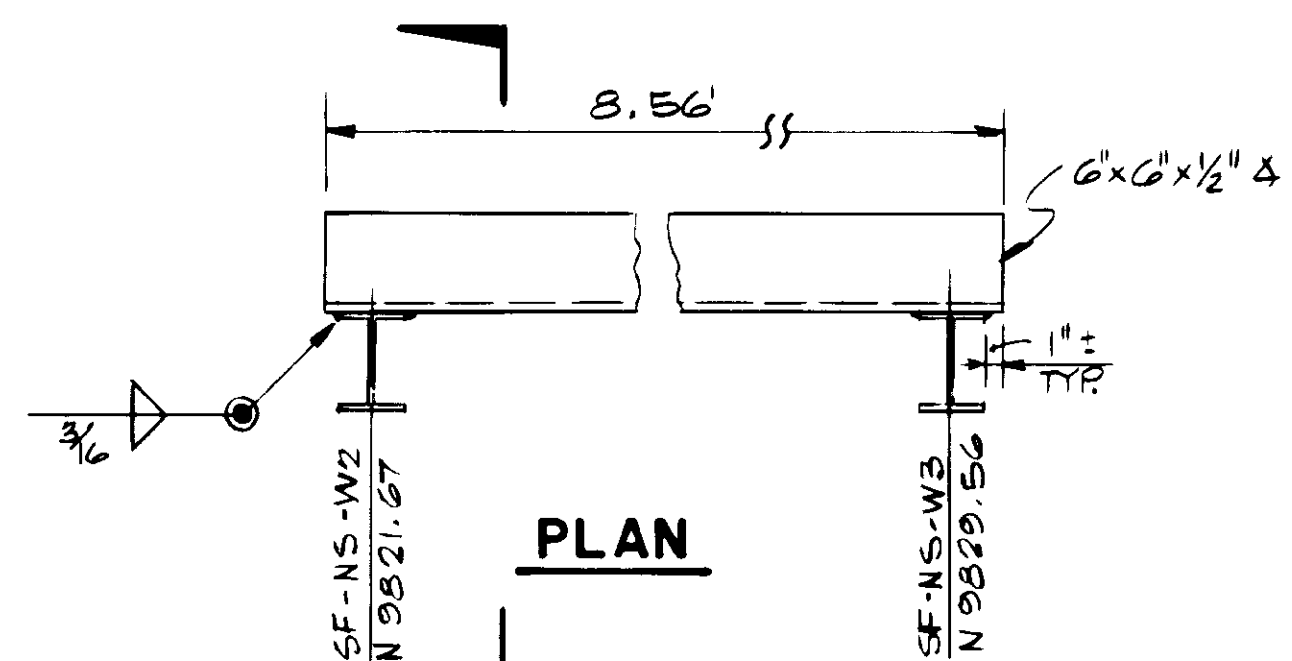
SF-NS	"A" EL. (±)	EL. "B"	EL. "C"
W3	465.35	476.94	460.80
W4	463.80	475.83	463.78
W5	462.26	474.72	467.67



BASE & WALL PLATE

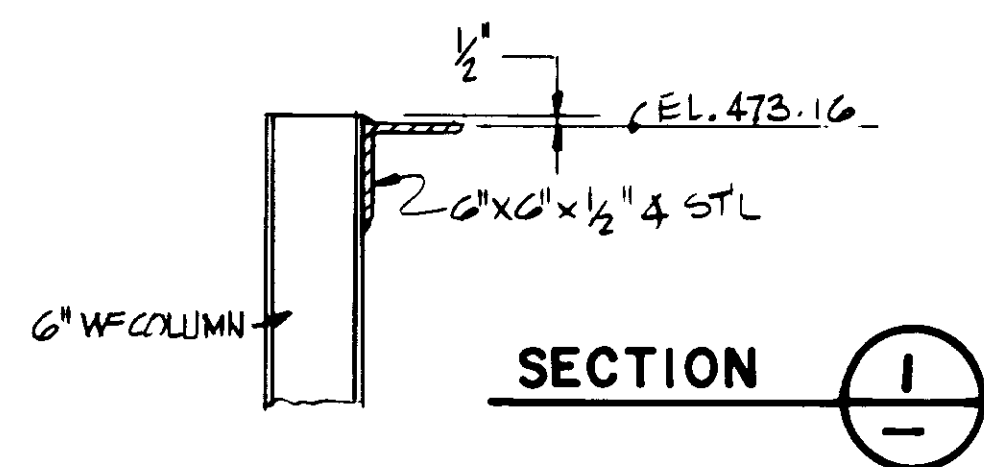


TYPICAL DETAILS



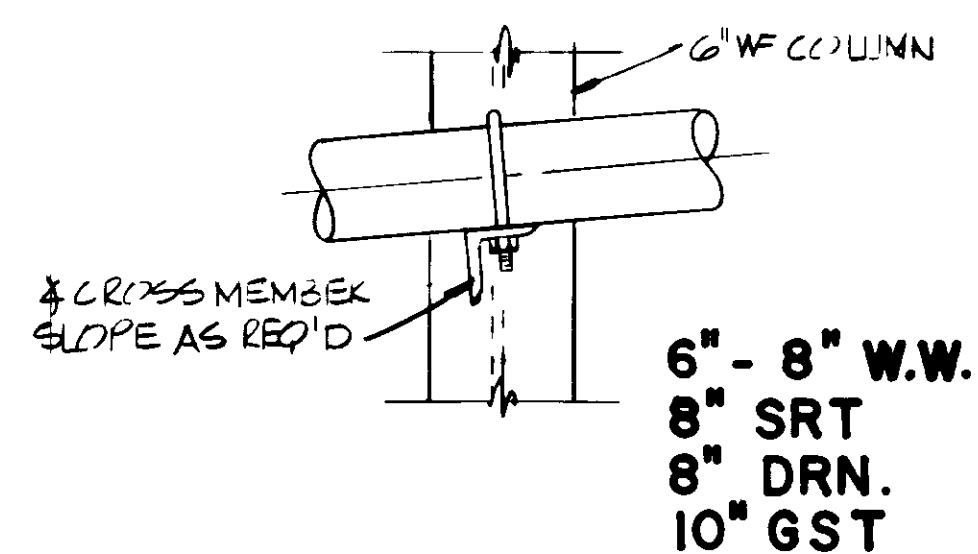
PLAN

NOTE
SEE SHEET YP-13 FOR
U-BOLT φ AND LOCATION

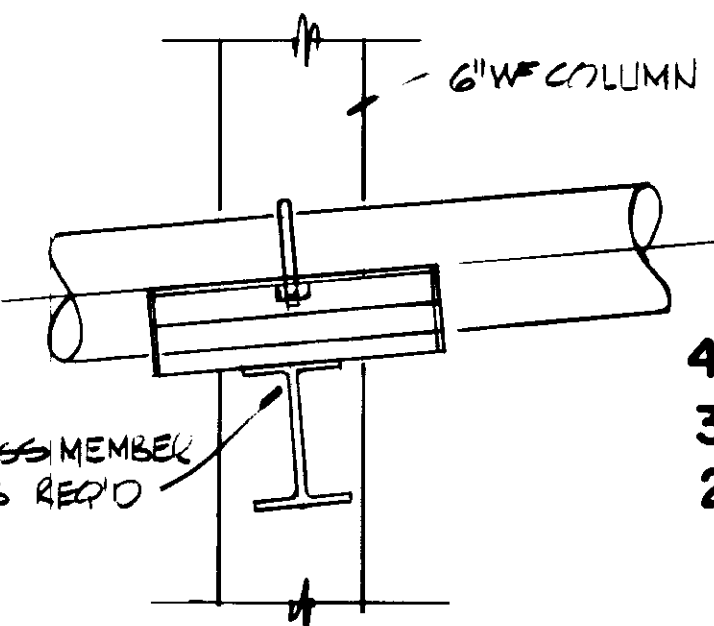


SECTION

DETAIL "A"

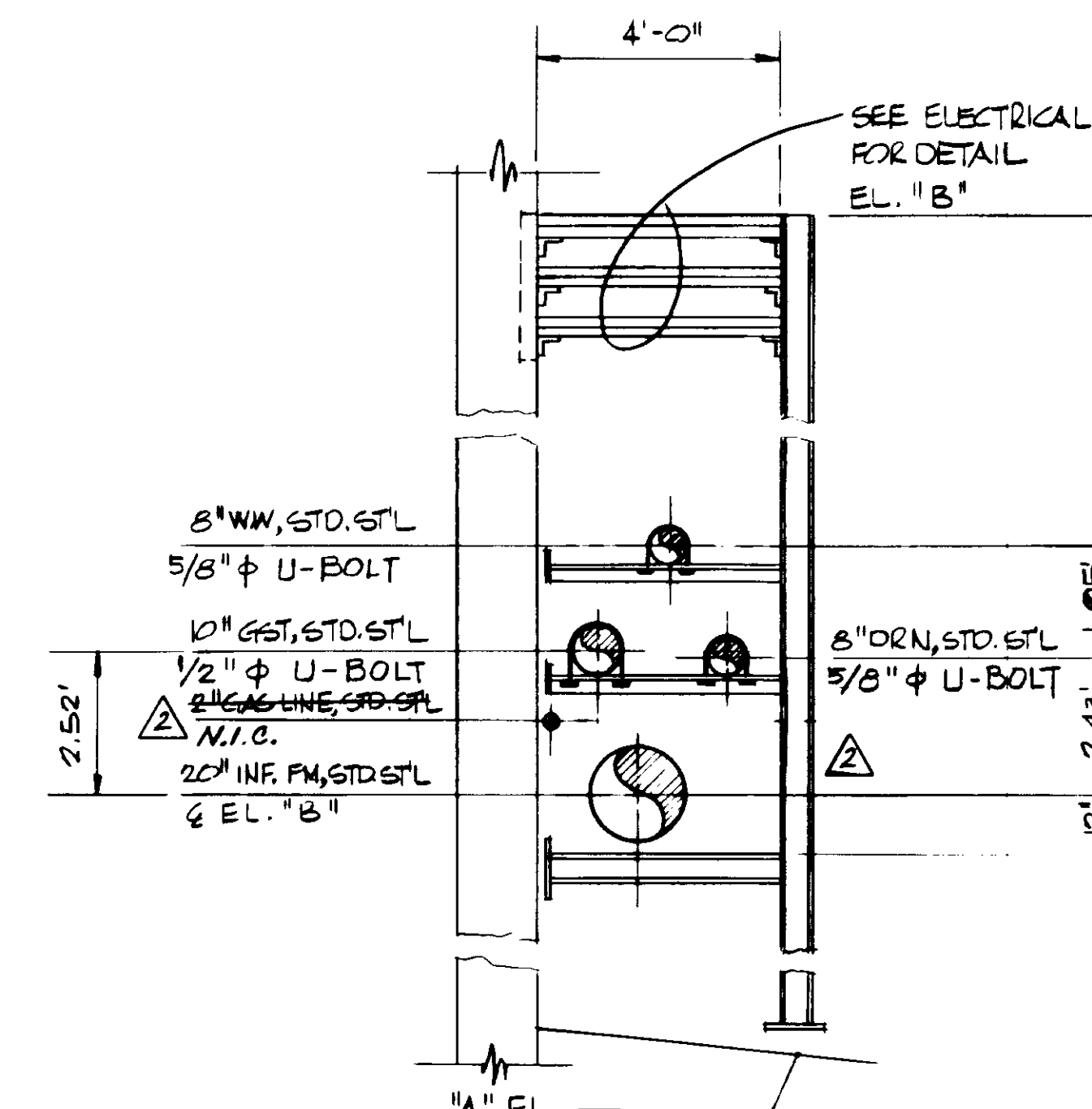


6" - 8" W.W.
8" SRT
8" DRN.
10" GST



42" P.A.
36" EXA.
20" INF. F.M.

NS-GALLERY SLOPE



SF-NS-W6 THRU W8

SF-NS	"A" EL. (±)	EL. "B"	EL. "C"
W6	460.99	474.20	466.92
W7	460.57	473.79	466.51
W8	460.16	473.38	466.10

03210

RECORD DRAWINGS

Per Field Information Provided by Morley-Ziebart & Alper

Y. Katsura
KATSURA CONSULTING ENGINEERS RCE 14088
March 1988

REV	DATE	BY	DESCRIPTION
1	9-2-80	Y.K.	COASTAL COMM. REV. PART 2
2	1-6-80	Y.K.	ADDITIONS ADDENDUM NO. 2

SCALE :
NONE

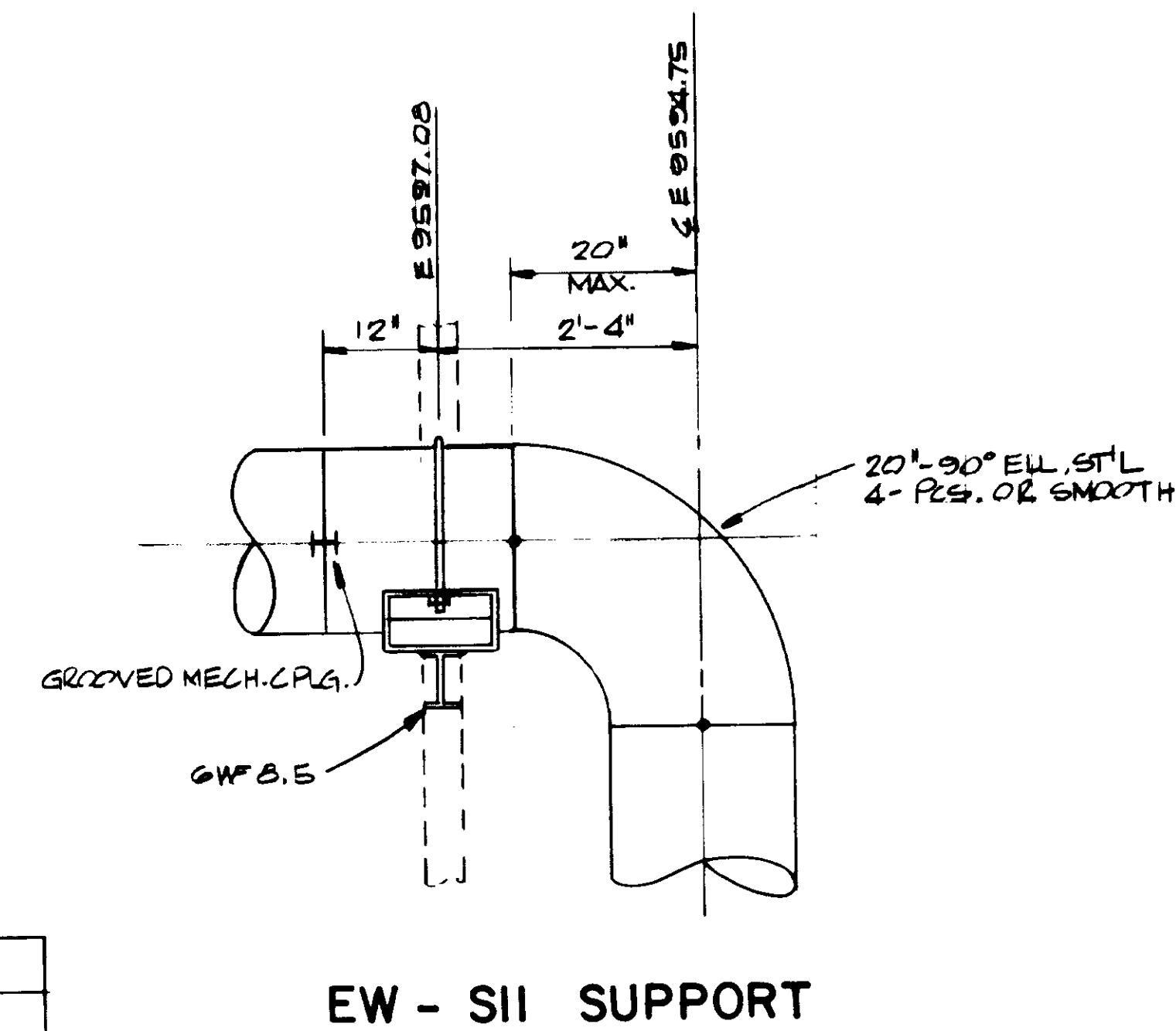
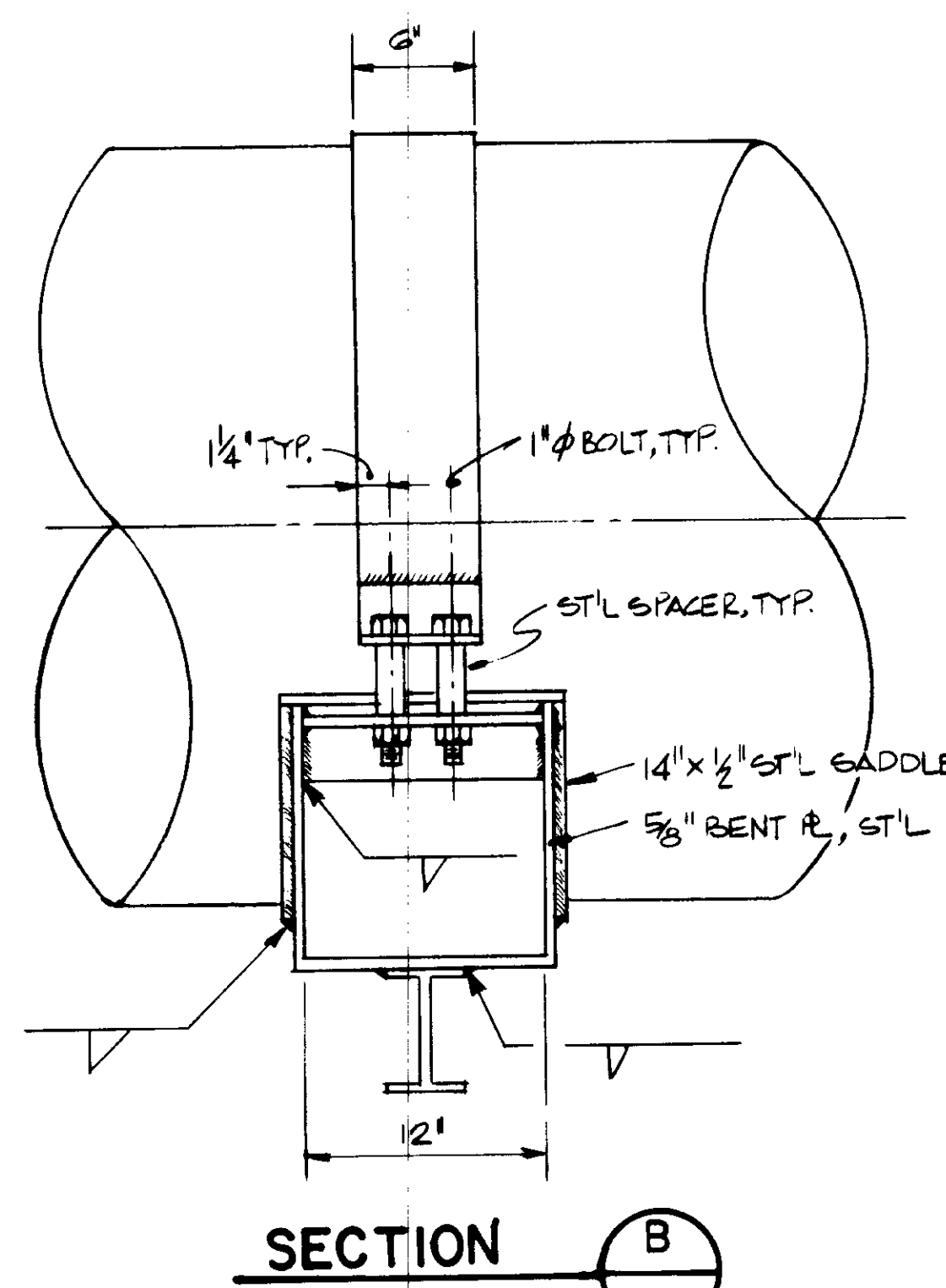
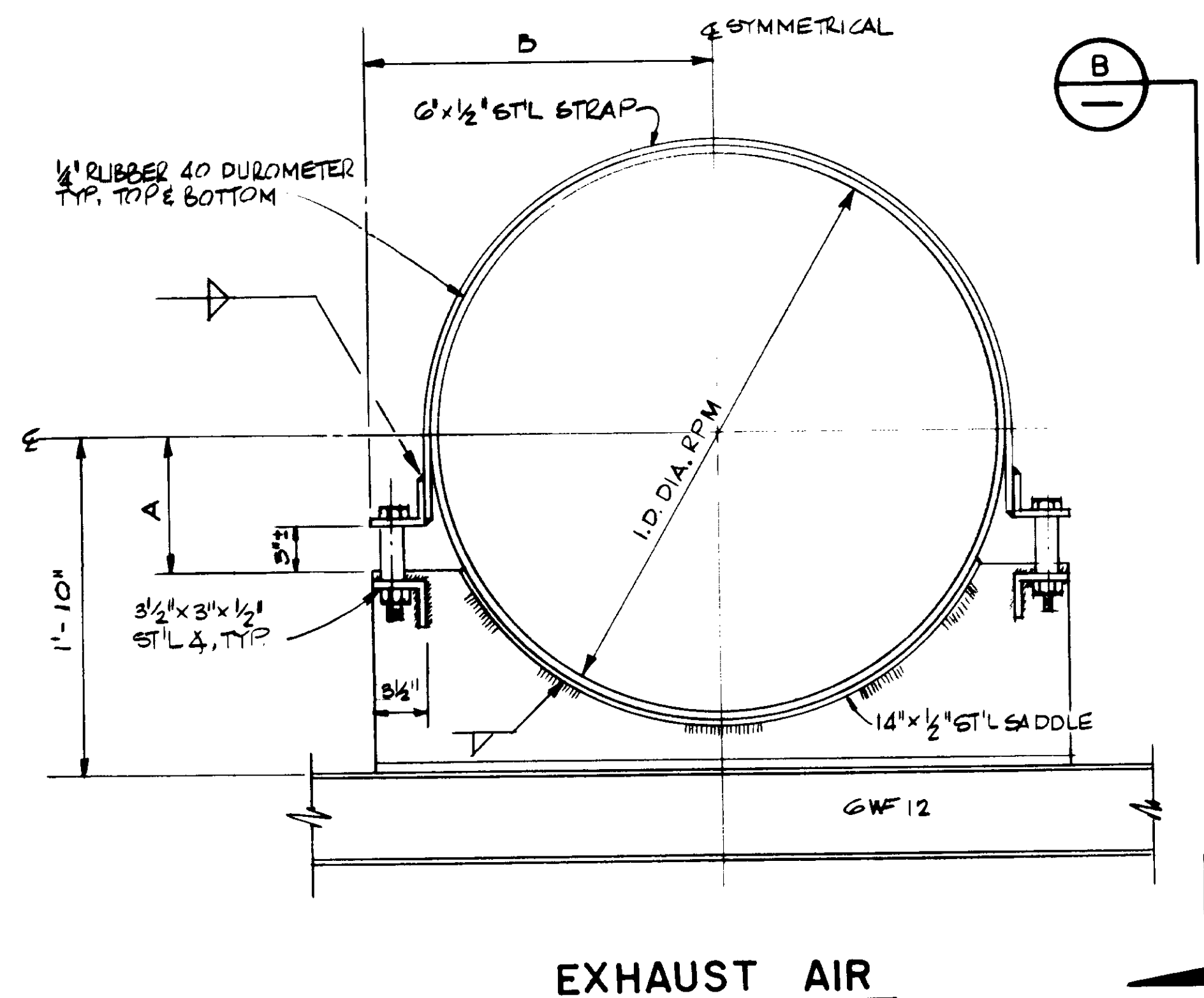
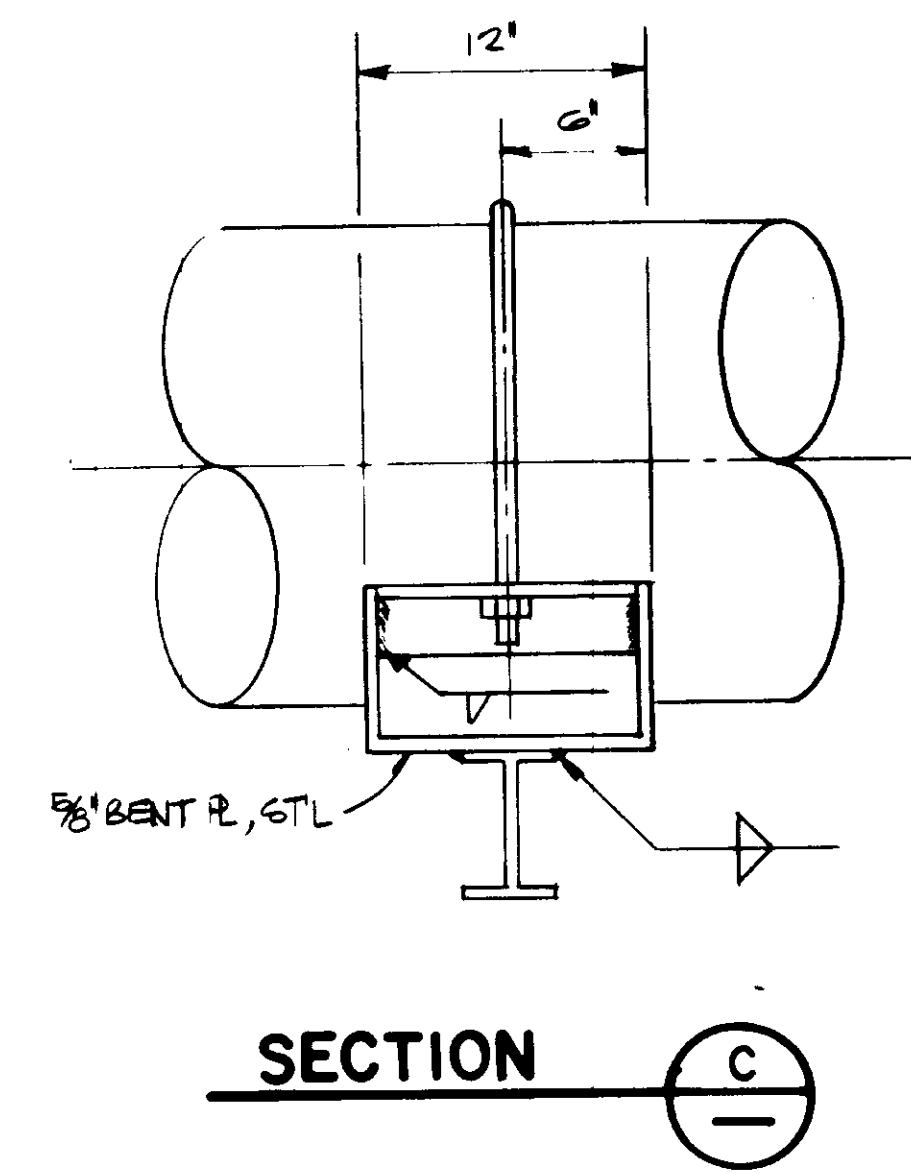
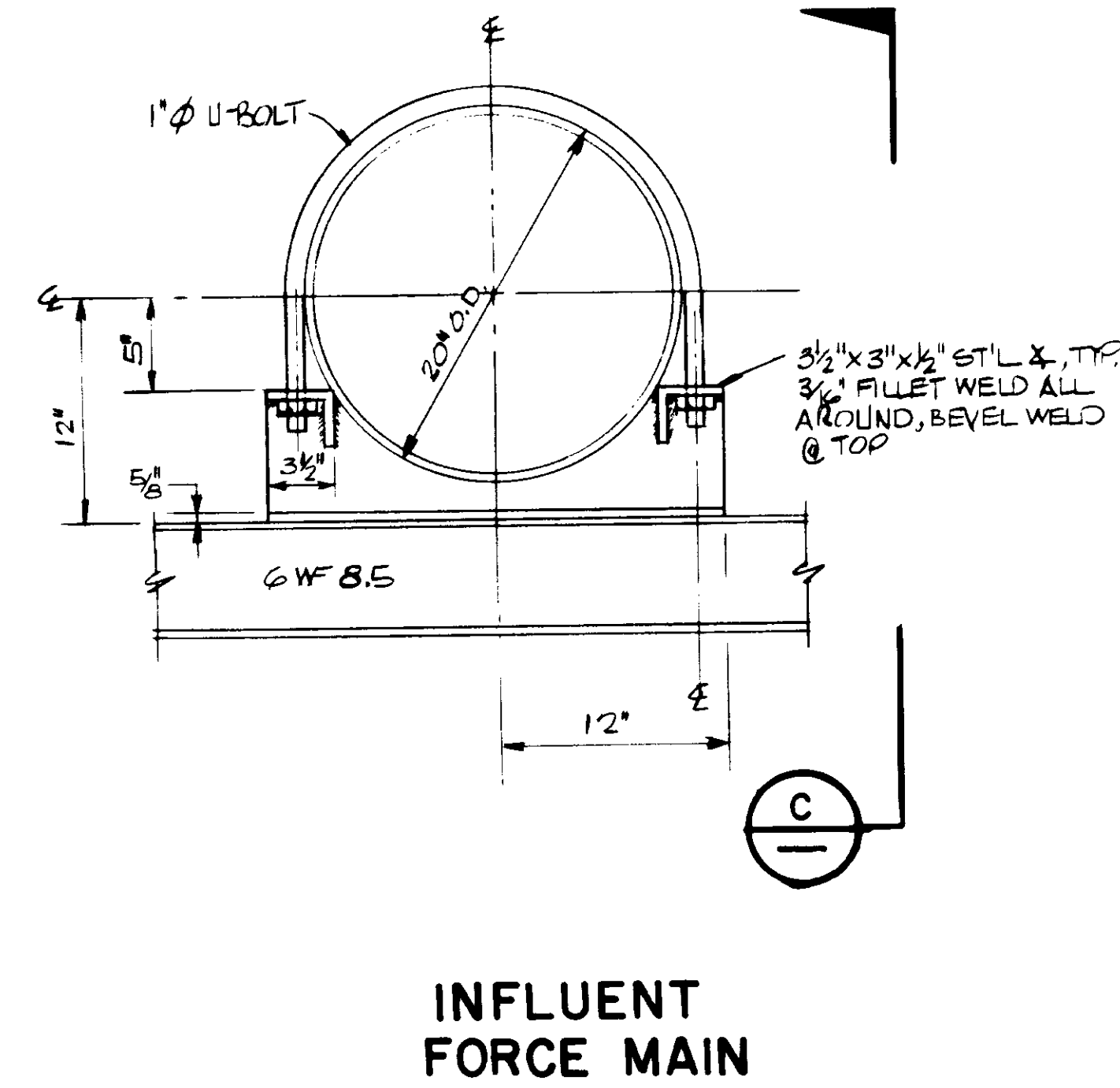
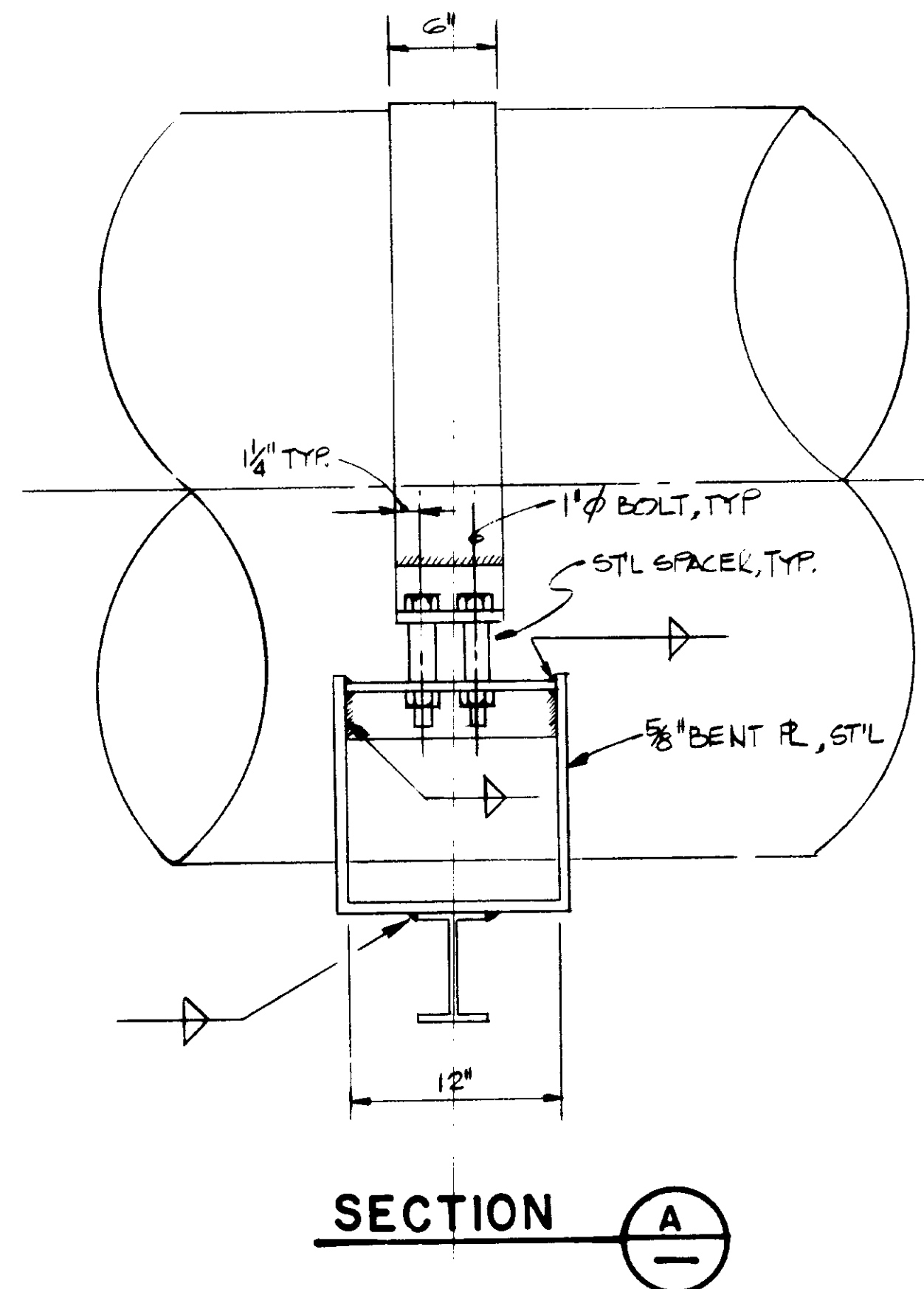
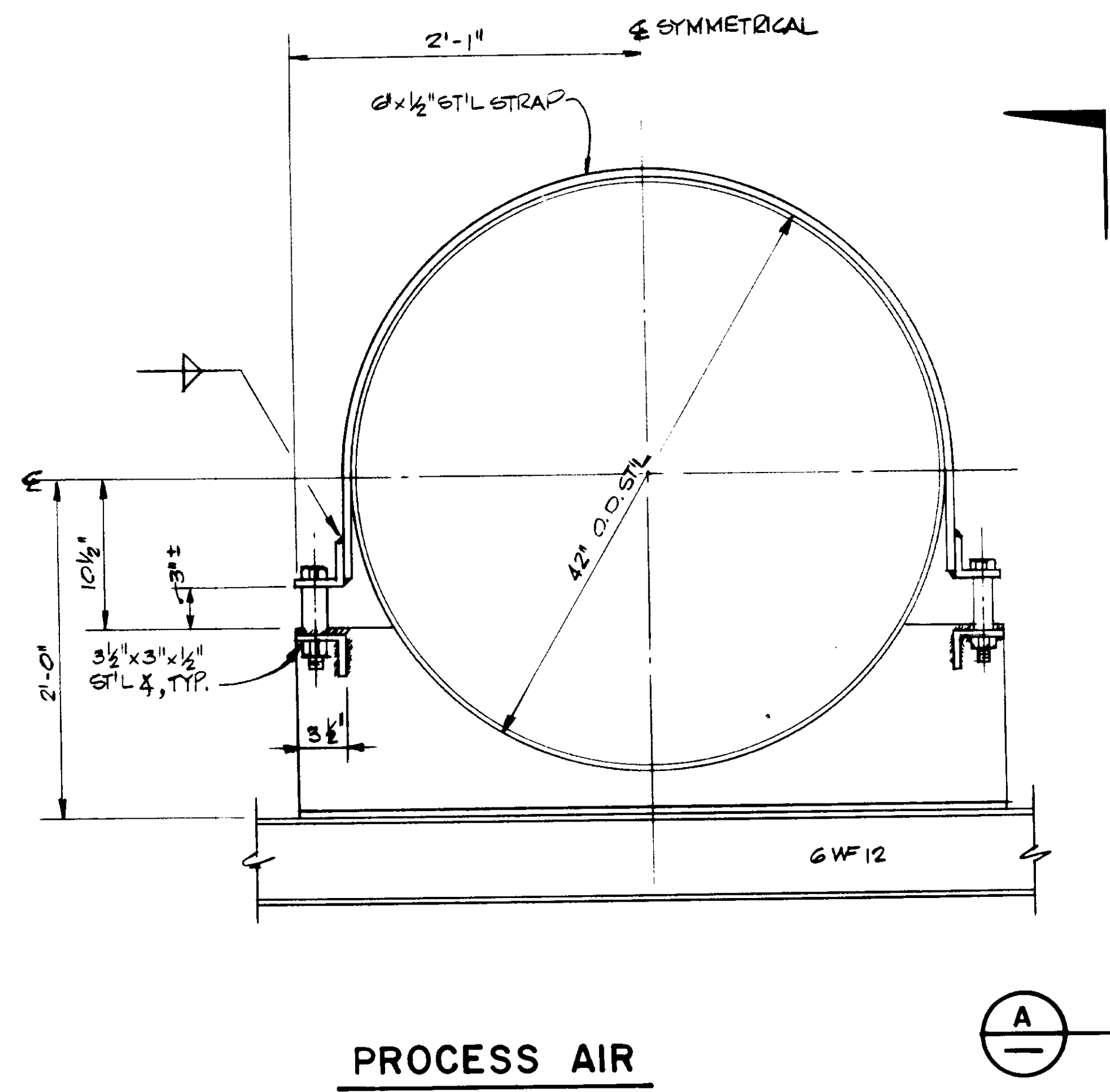
DESIGNED
R. EWING
C. SENIVONGS
DRAWN
Y. KATSURA
CHECKED

SUBMITTED
PROJECT MANAGER
14088 1-6-80
R.C.E. NO. DATE
PROJECT ADMINISTRATOR
14884 1-6-80
R.C.E. NO. DATE

JKK CONSULTING ENGINEERS
A JOINT VENTURE
5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 833-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
SUPPORT FRAMING DETAILS II

SHEET
YP-22



RPM PIPE		
DIA.	A	B
36"	9"	11-10 3/4" \pm
30"	7 1/2"	11-7 5/8" \pm
24"	6"	11-4 5/8" \pm

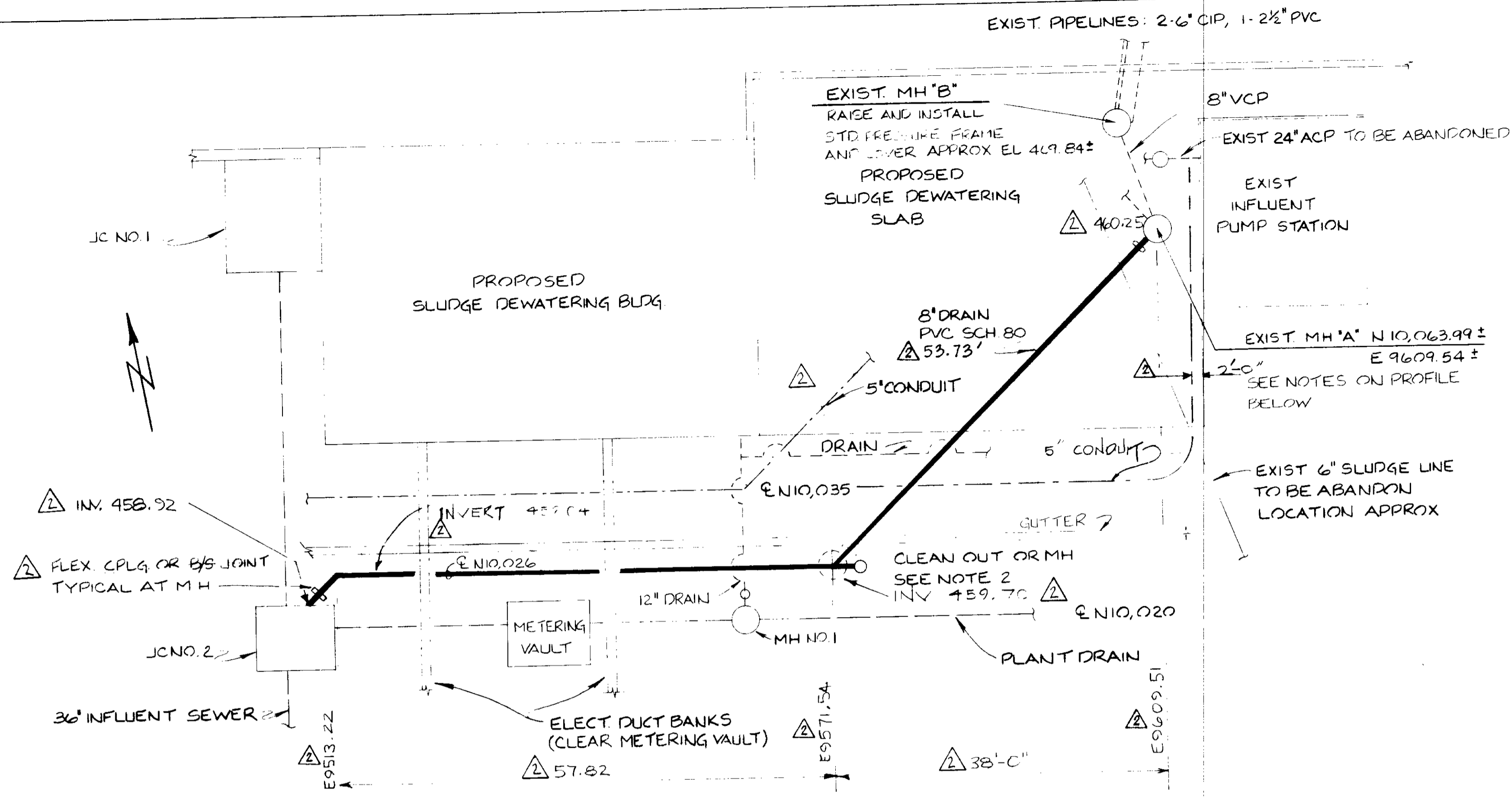
RECORD DRAWINGS
Per Field Information Provided by Morley-Ziebarth & Alper
Y. Katsura
KATSURA CONSULTING ENGINEERS
RCE 14088
March 1988
03211

REV	DATE	BY	DESCRIPTION

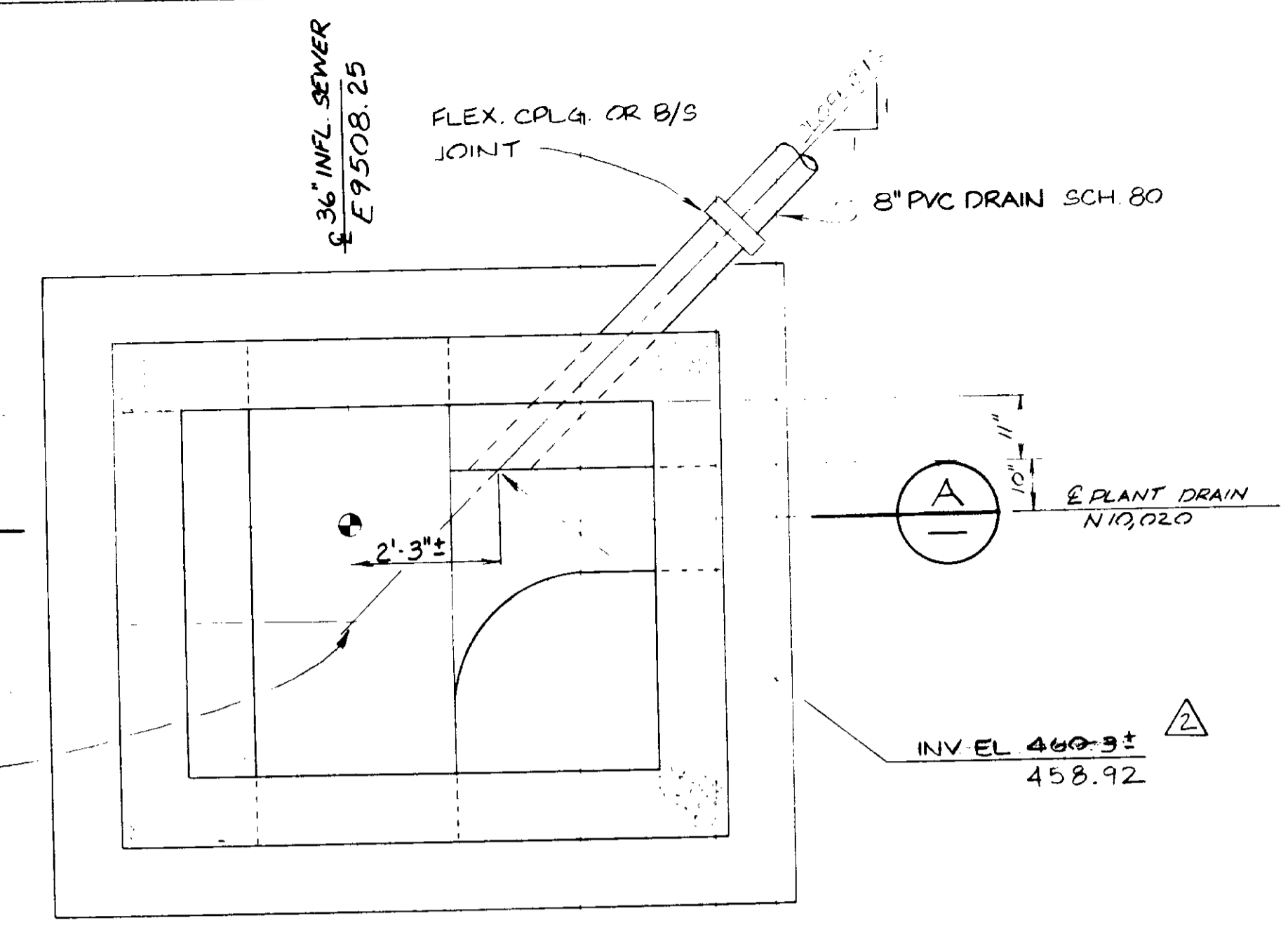
SCALE : NONE	DESIGNED Y. KATSURA	SUBMITTED 14088 1-6-80
	DRAWN C. SENIVONGS	PROJECT MANAGER R.C.E. NO. DATE
	CHECKED Y. KATSURA	14884 1-6-80
		PROJECT ADMINISTRATOR R.C.E. NO. DATE

JK CONSULTING ENGINEERS
A JOINT VENTURE
6801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

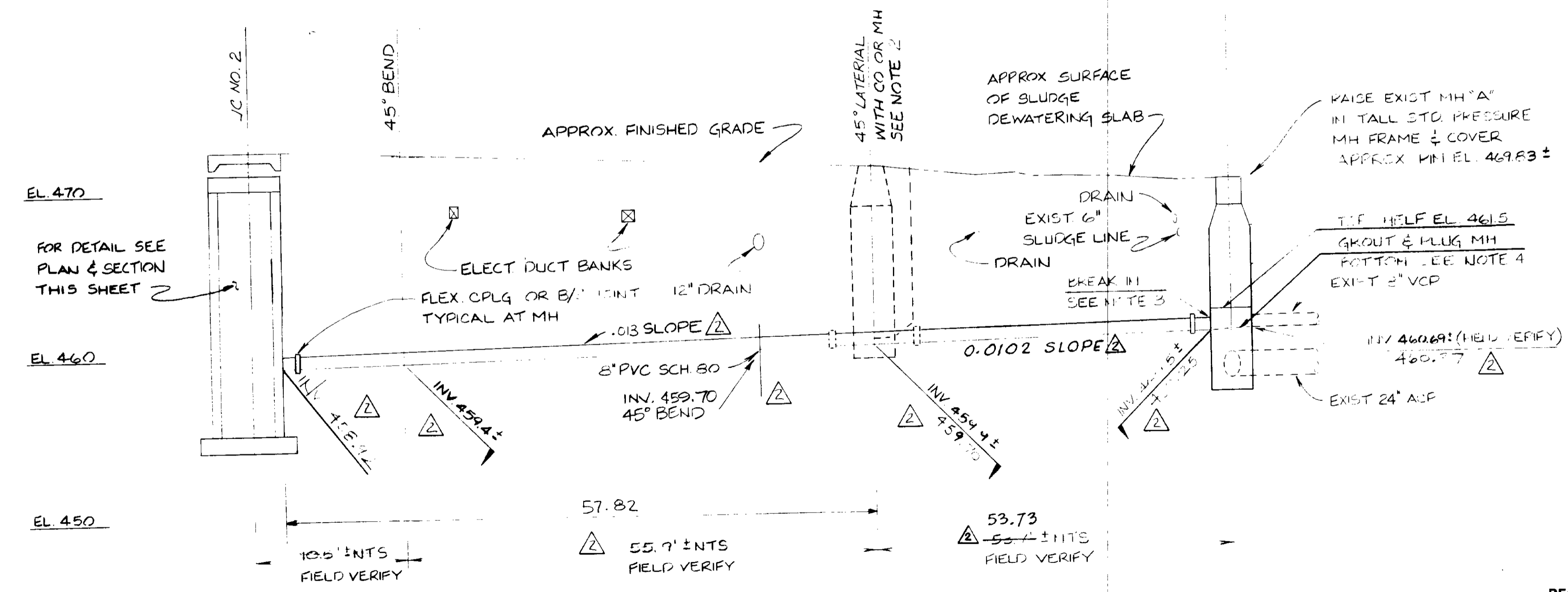
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
SPECIAL PIPE SUPPORT Δ
SHEET YP-23



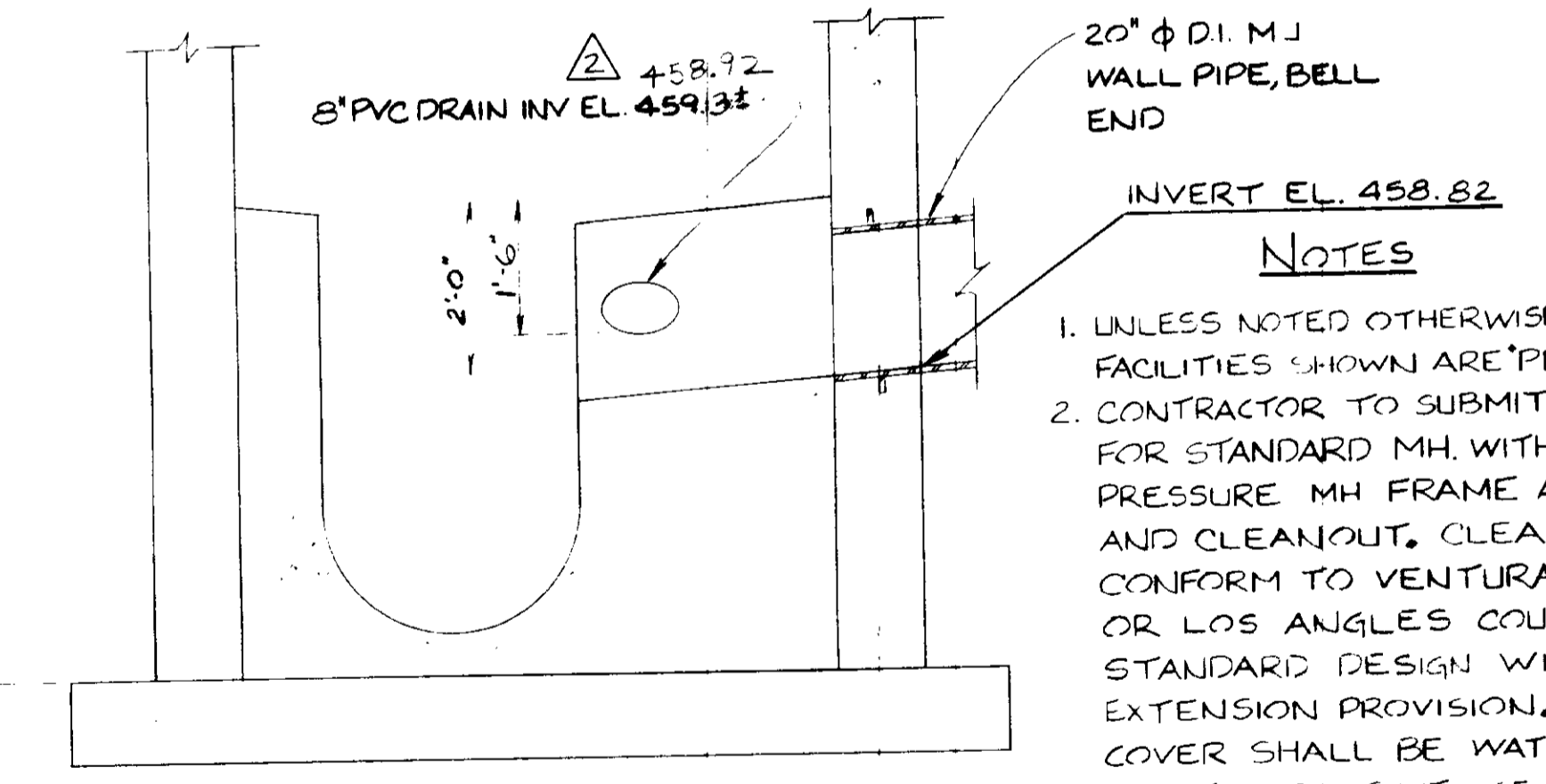
PLAN
SCALE: 1" = 10'-0"



JUNCTION CHAMBER NO. 2 PLAN
SCALE: 1" = 2'-0"



PROFILE
SCALE: VERT 1" = 5'-0"
HORIZ. NTS



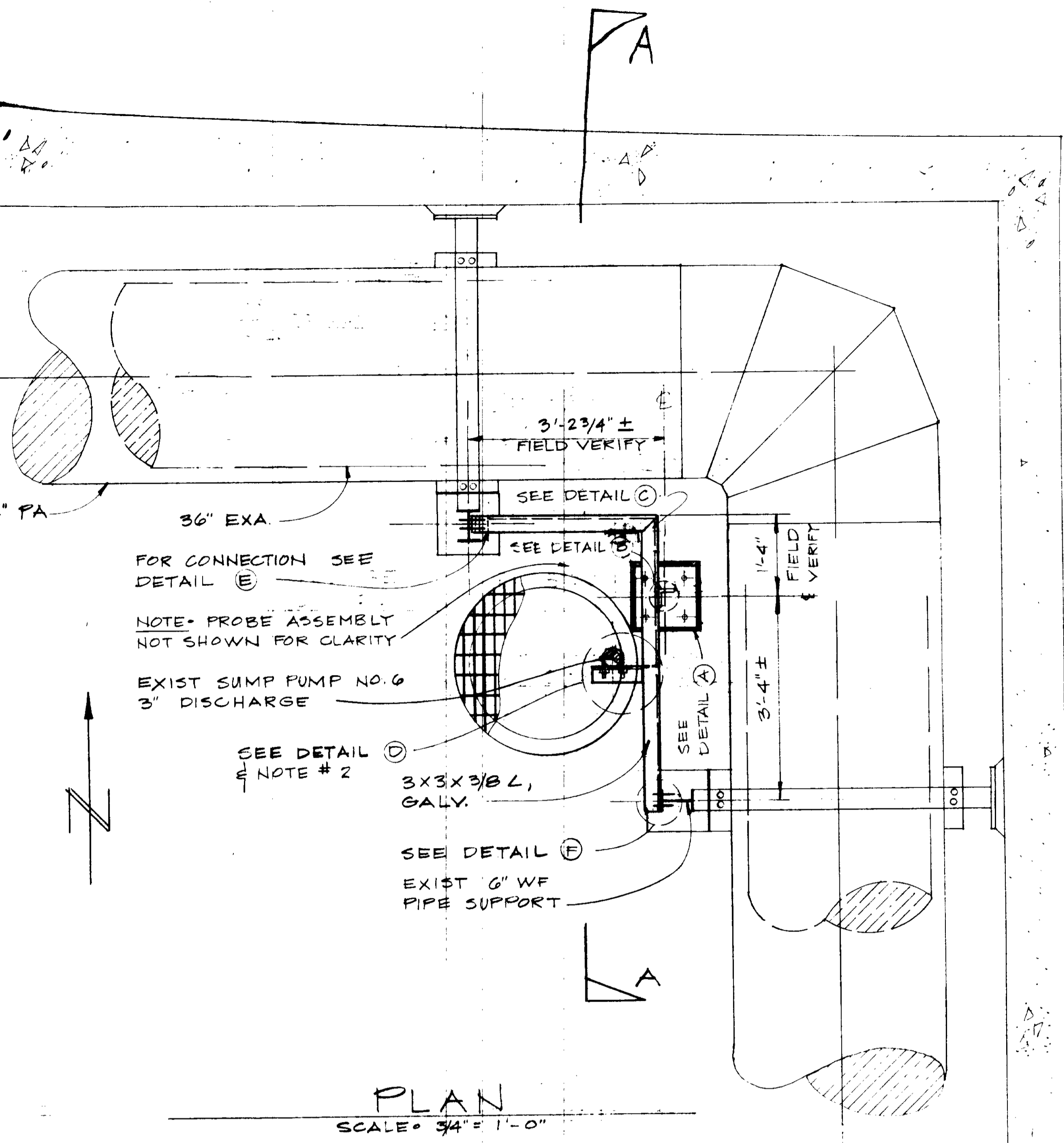
SECTION A
SCALE: 1" = 2'-0"

- NOTES**
1. UNLESS NOTED OTHERWISE, ALL FACILITIES SHOWN ARE "PROPOSED"
 2. CONTRACTOR TO SUBMIT ALT. COSTS FOR STANDARD MH WITH STANDARD PRESSURE MH FRAME AND COVER, AND CLEANOUT. CLEANOUT SHALL CONFORM TO VENTURA COUNTY OR LOS ANGELES COUNTY STANDARD DESIGN WITH FUTURE EXTENSION PROVISION. CLEANOUT COVER SHALL BE WATER TIGHT.
 3. GROUT WITH GROUT FILLIED FOR ROCK ANCHORS. CONCRETE ENCASE WITH 1" REINFORCEMENT ALL AROUND AND 1" REINFORCEMENT WITH #4 ALL AROUND AND 1" REINFORCEMENT BY ENGINEER.
 4. GROUT WITH GROUT FILLIED FOR ROCK ANCHORS. CONCRETE ENCASE WITH 1" REINFORCEMENT ALL AROUND AND 1" REINFORCEMENT WITH #4 ALL AROUND AND 1" REINFORCEMENT BY ENGINEER.

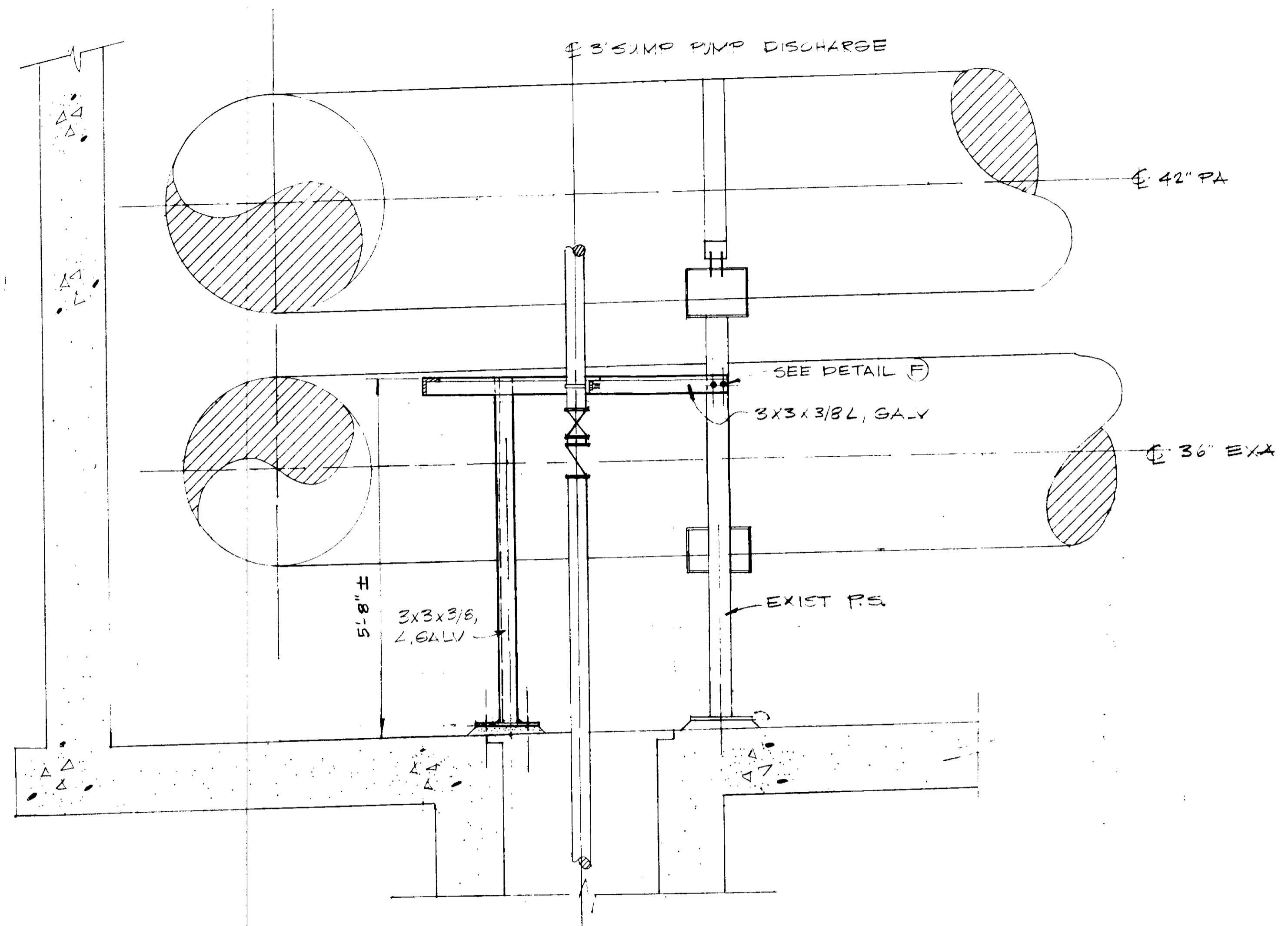
RECORD DRAWINGS
Per Field Information Provided by Morley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS March 1985

REFERENCE DWG.: SKYP-2A
PLAN CHANGE: PCH-C5-4

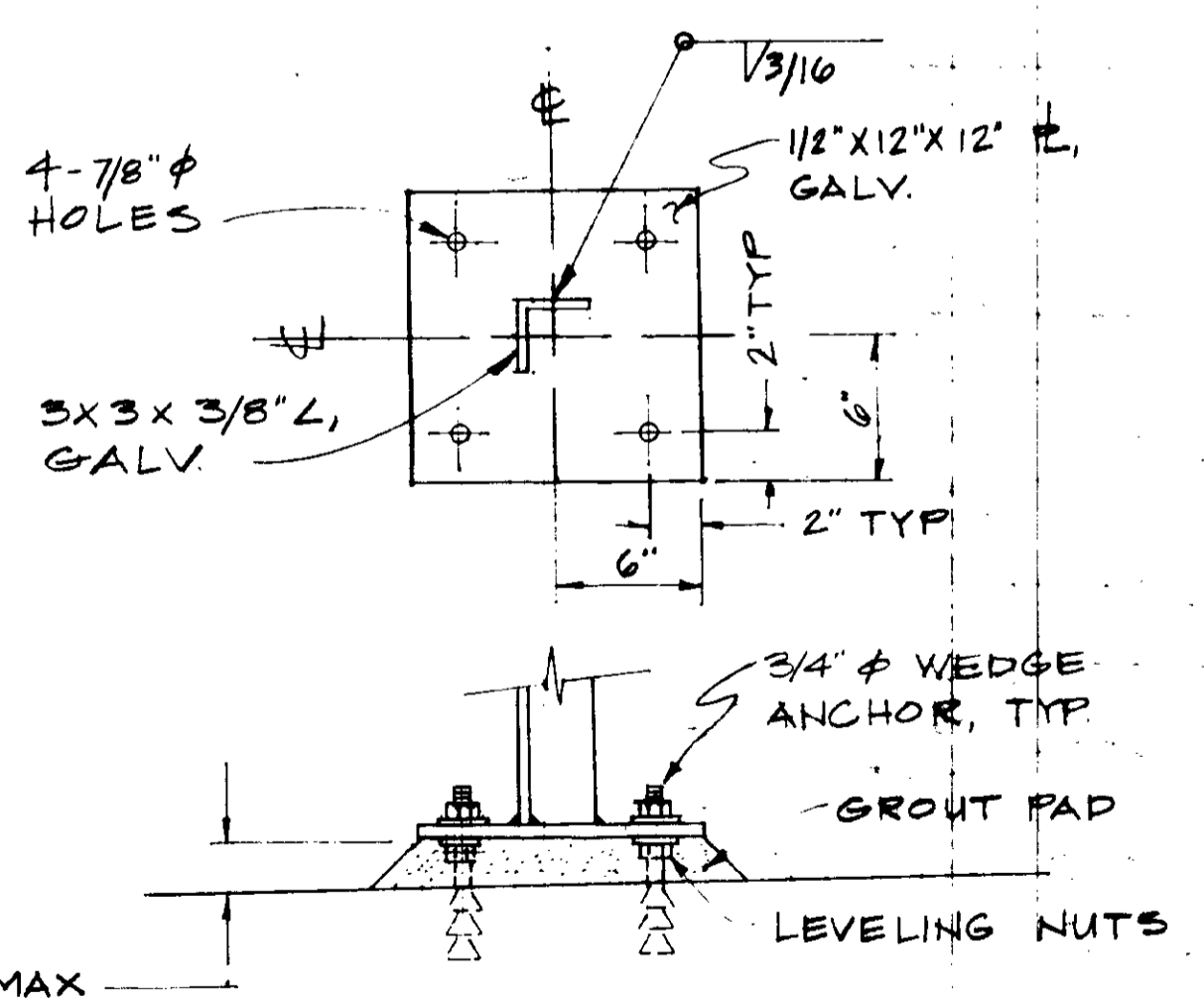
Y. KATSURA CONSULTING ENGINEERS VENTURA, CA.				DATE: 11/18/80 BY: Y. K.	CAMP GONZALES SEWER CONNECTION	SHEET YP-24
REV.	DATE	BY	DESCRIPTION			
1	11/17/81	Y.K.	REVISED SEWER LOC.			



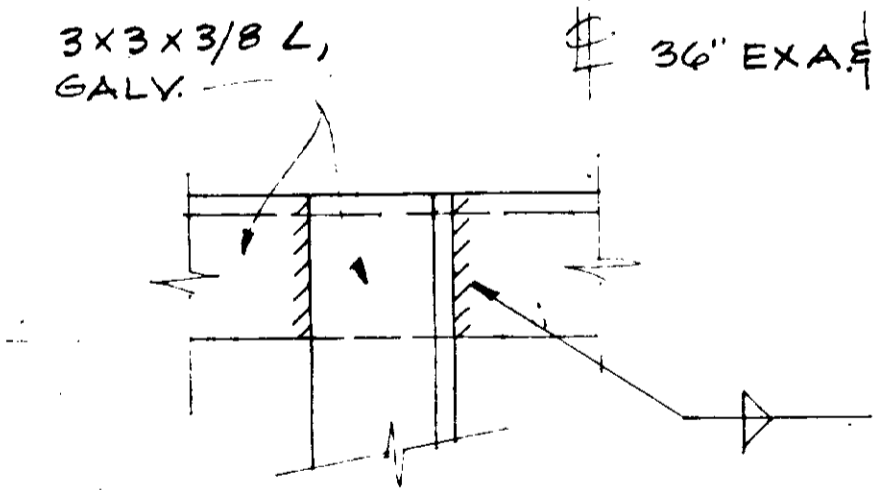
PLAN
SCALE - 3/4" = 1'-0"



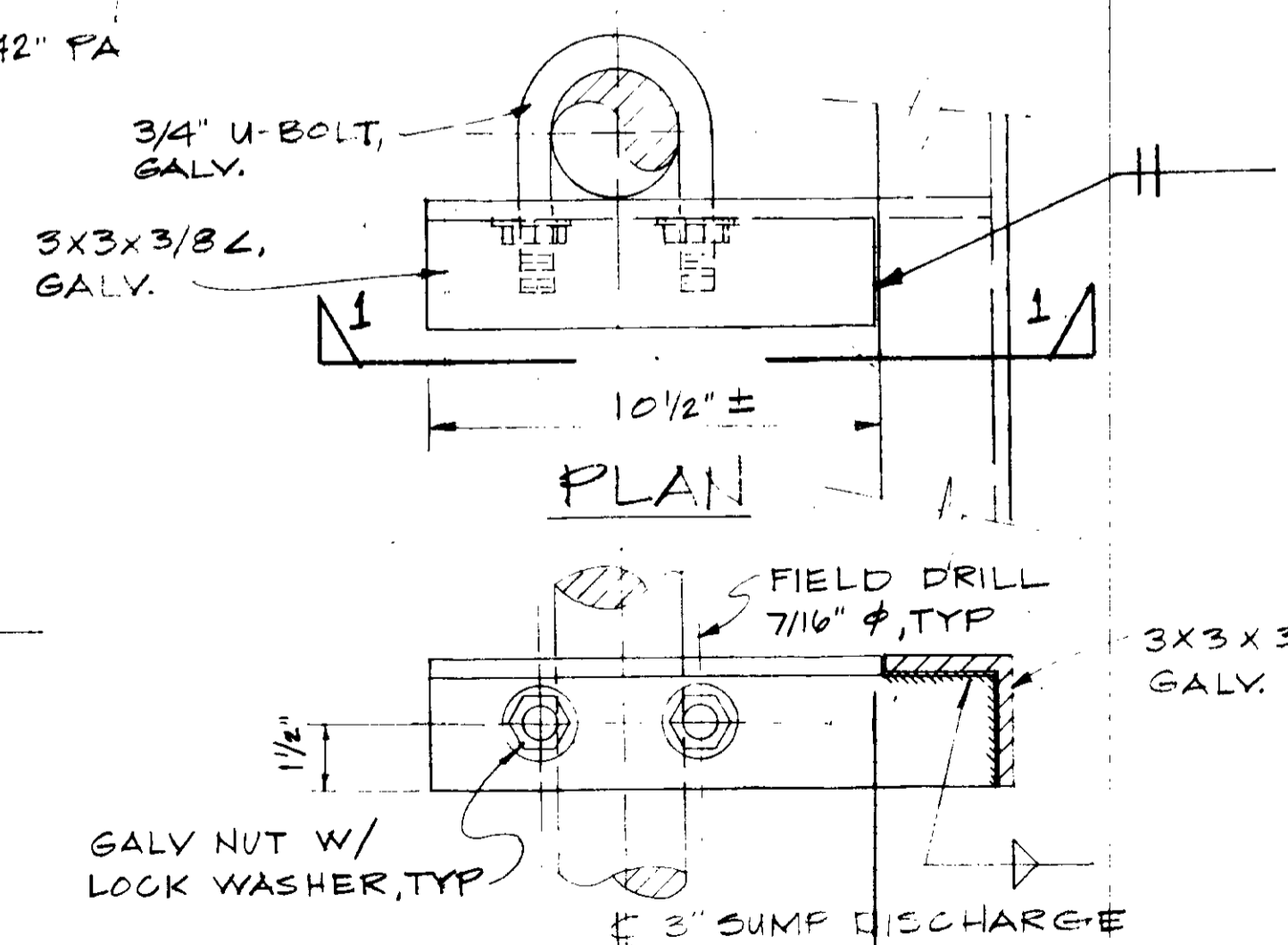
SECTION A
SCALE - 3/4" = 1'-0"



A-Detail
SCALE - 1/2" = 1'-0"

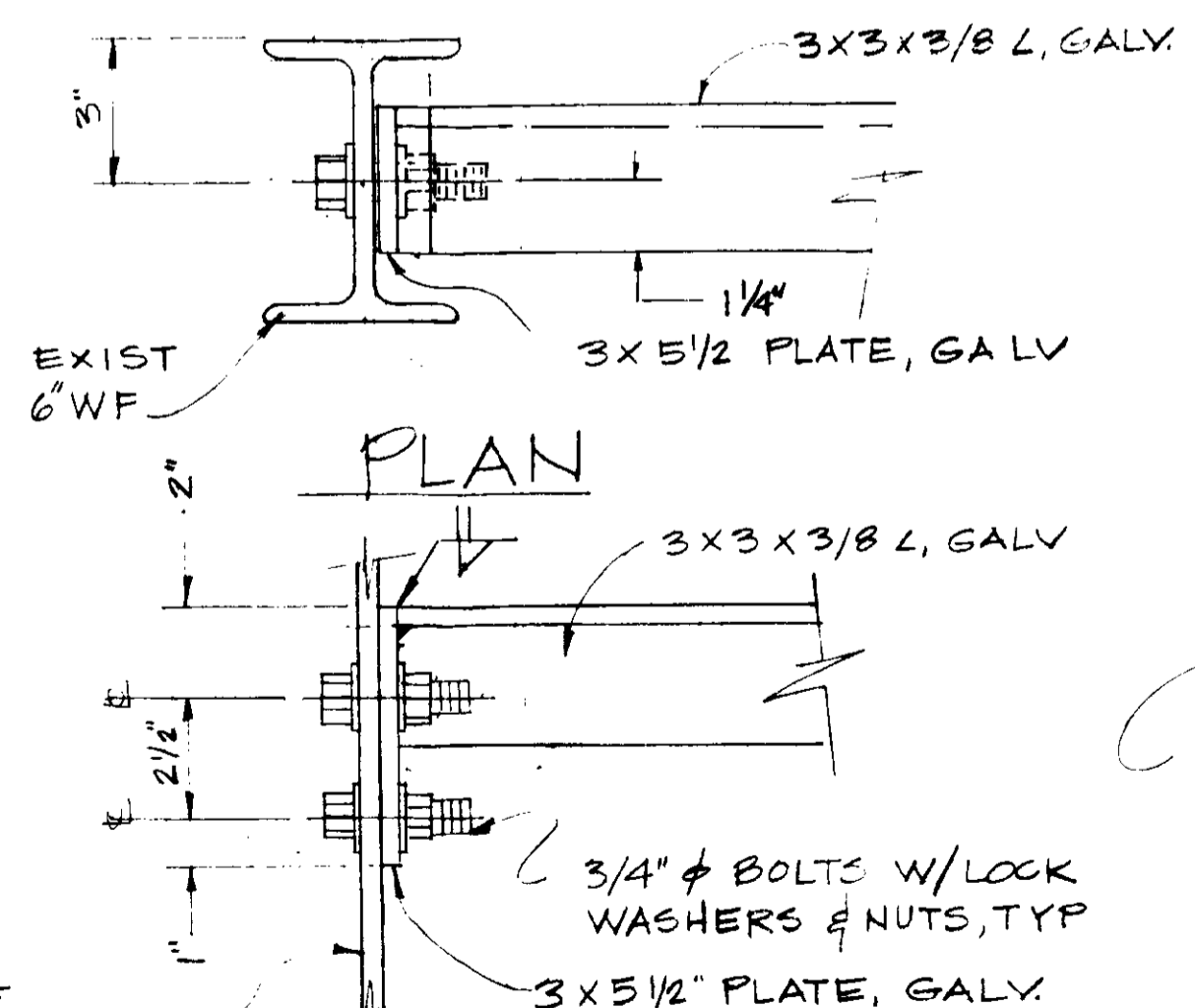


B-Detail
SCALE - 3" = 1'-0"

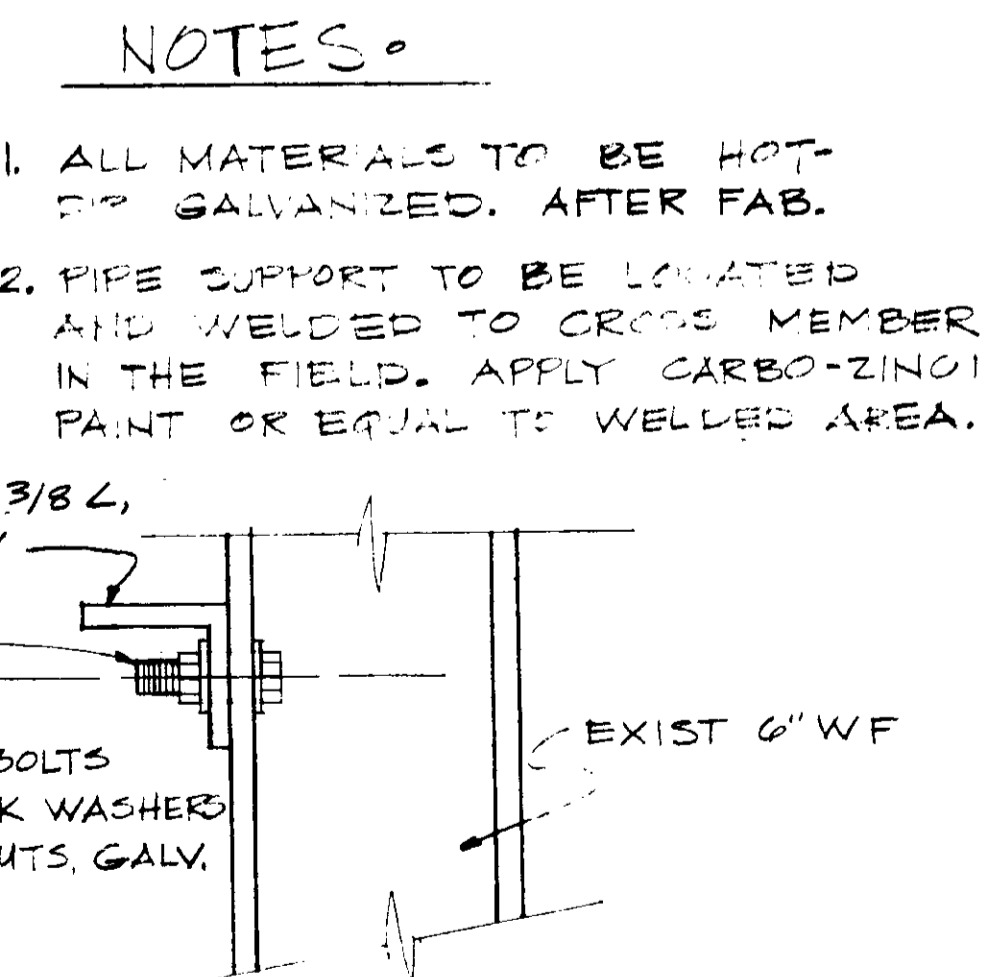


C-Detail
SCALE - 3" = 1'-0"

D - PIPE SUPPORT DETAILS
SCALE - 3" = 1'-0"



E-Detail
SCALE - 3" = 1'-0"

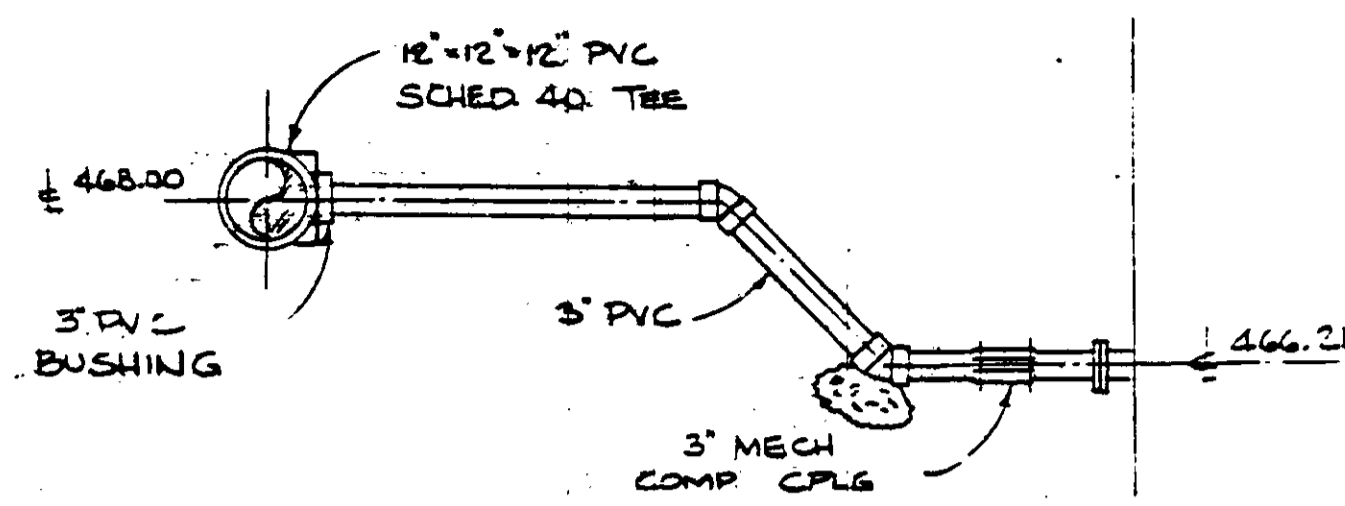


F-Detail
SCALE - 3" = 1'-0"

- NOTES:
1. ALL MATERIALS TO BE HOT-DIP GALVANIZED. AFTER FAB.
 2. PIPE SUPPORT TO BE LOCATED AND WELDED TO CROSS MEMBER IN THE FIELD. APPLY CARBO-ZINCO PAINT OR EQUAL TO WELDED AREA.

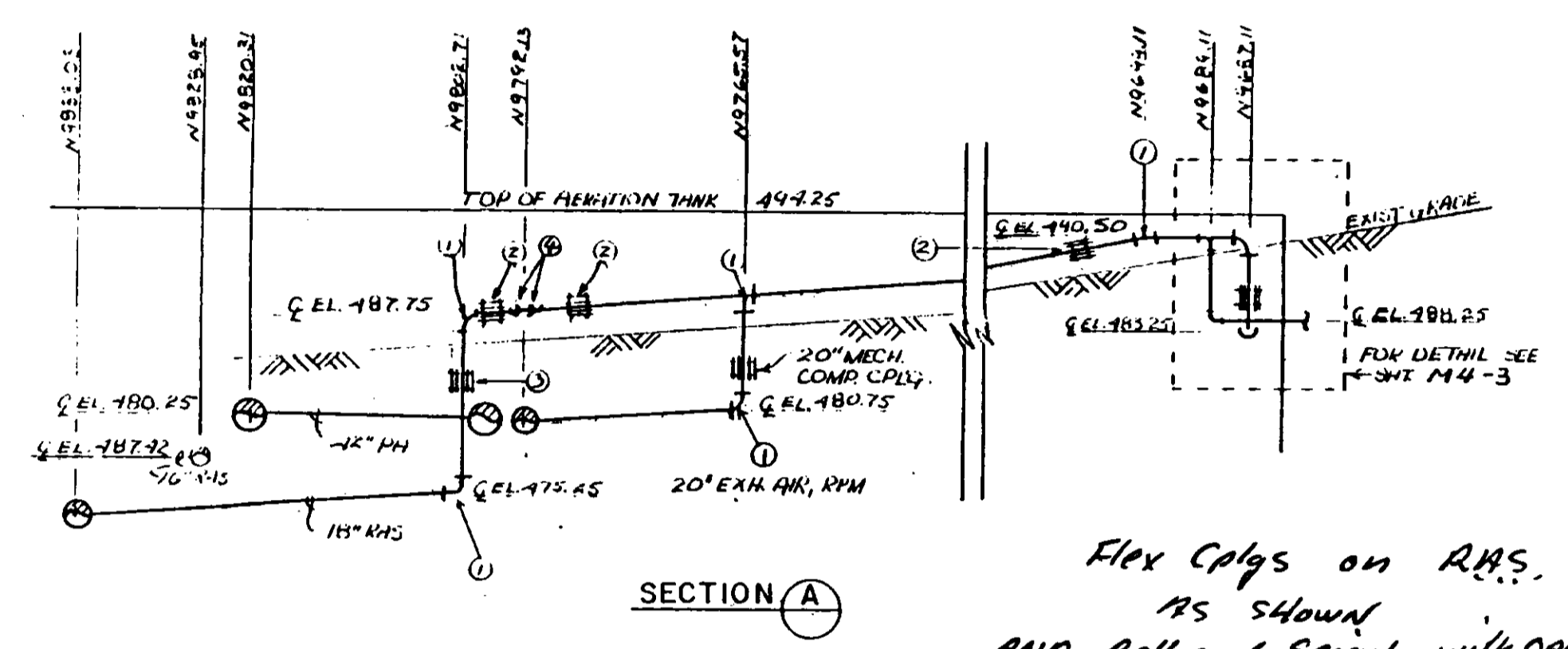
RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS
RCE 14038
March 1988

BY: YK/LW DATE: 2/26/83	KATSURA CONSULTING ENGINEERS	SUMP PUMP NO. 6 PIPE SUPPORT	SHEET YP-25
----------------------------	---------------------------------	------------------------------	----------------



**SLUDGE PUMP STATION
3" DRAIN LINE CONNECTION**
1/2" = 1'-0"

REFERENCE DRAWING: SKYP-1

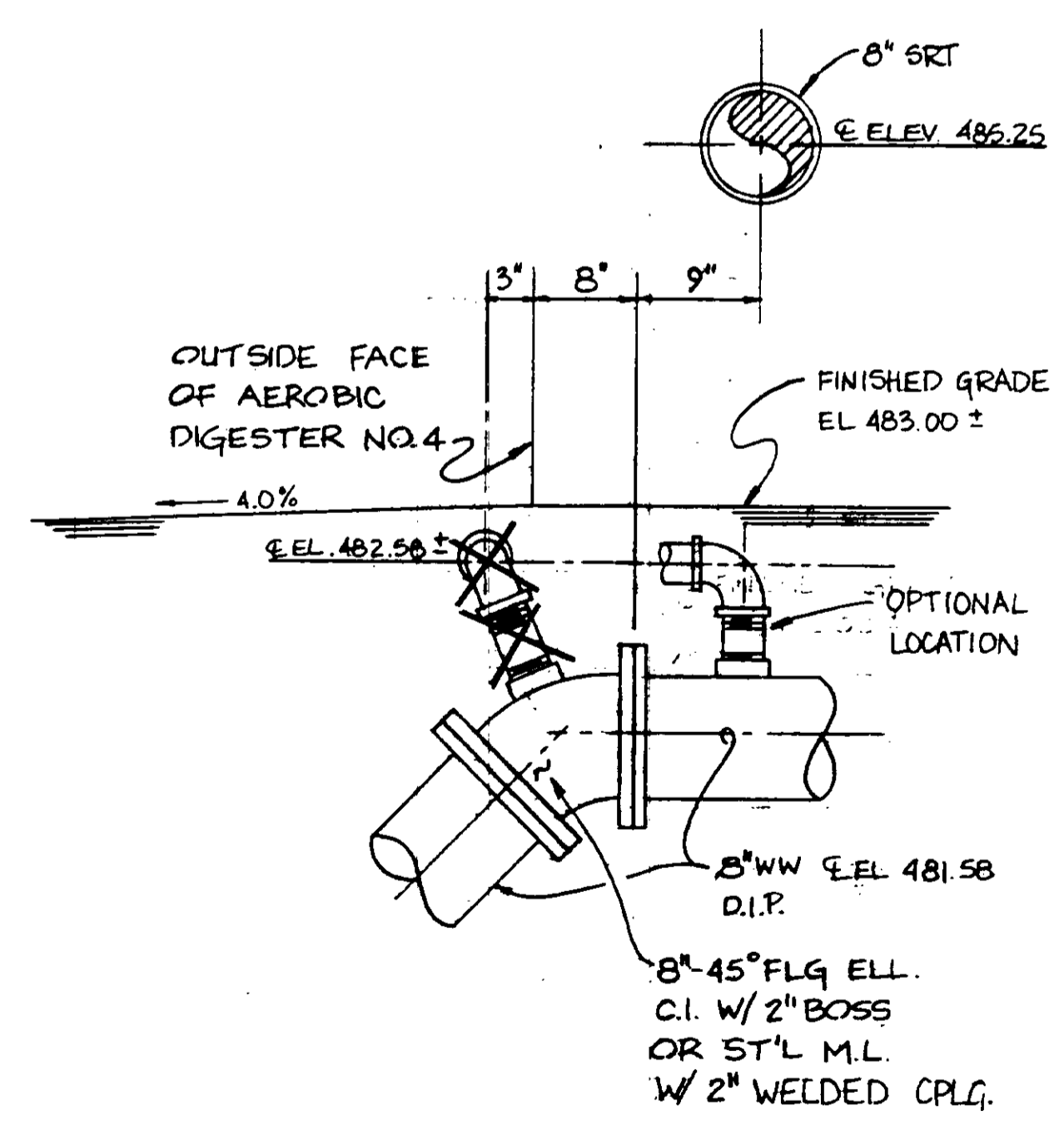


- ① FAB ELLS AS REQ'D
- ② 18" MECH COMP CPLG W/TIE RODS
- ③ 18" RED MECH COMP CPLG W/TIE RODS
- ④ 18" 45° ELBOW

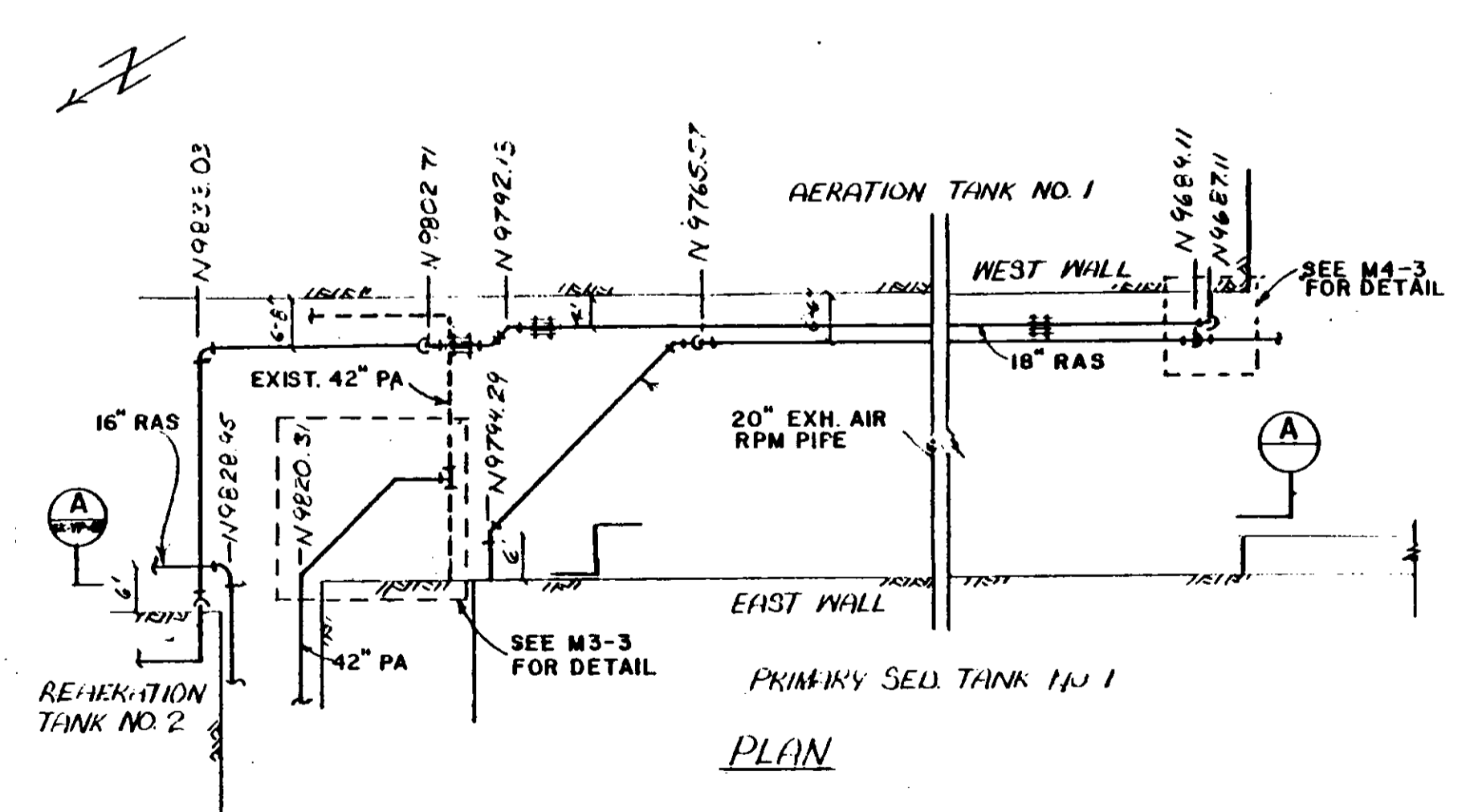
NOTE: SEE SHT M4-3 FOR PIPE SUPPORT, 15" MAX. O.C.

REFERENCE DRAWING: SK-YP-4B

*Flex Cplgs on RAS.
AS SHOWN
AND Bell and Spigot with DRING
ON 20" EX AIR*



REFERENCE DRAWING: SKYP-16A
RAW CHANGE: PCH-C6-18



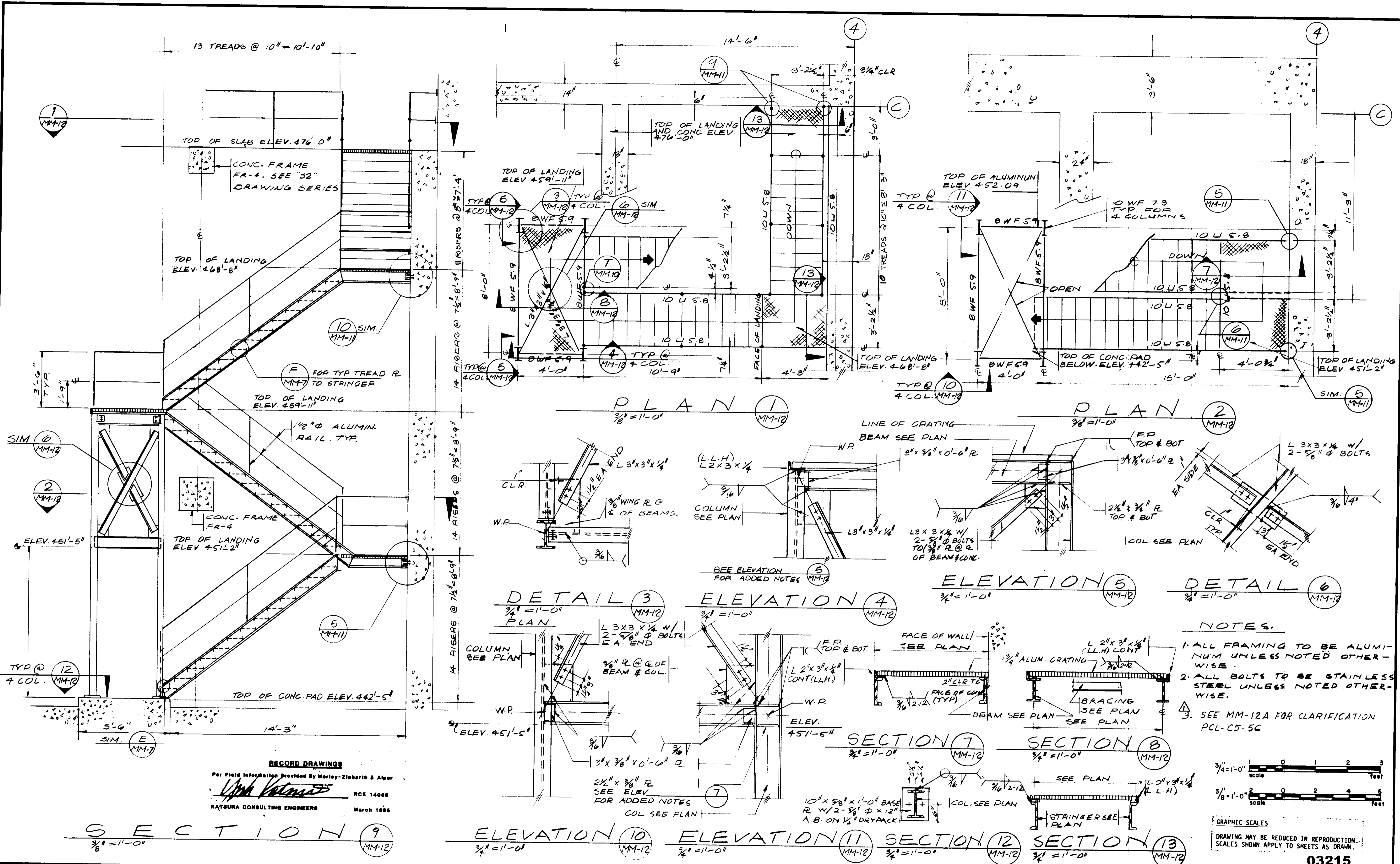
REFERENCE DRAWING: SK-YP-4A

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS
RCE 14058
March 1985

03214

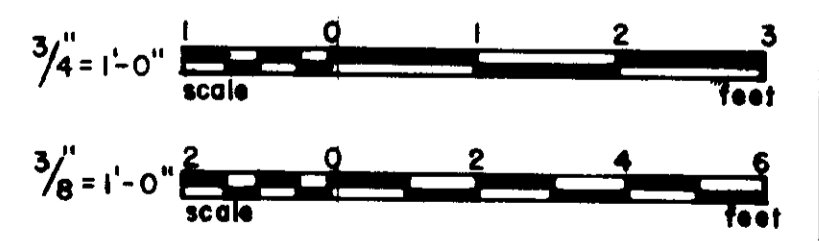
YARD PIPING-DETAILS

SHEET
YP-26



RECORD DRAWINGS
 Per Field Information Provided by Morley-Ziebarth & Alper
[Signature] RCE 14038
 KATSURA CONSULTING ENGINEERS March 1985

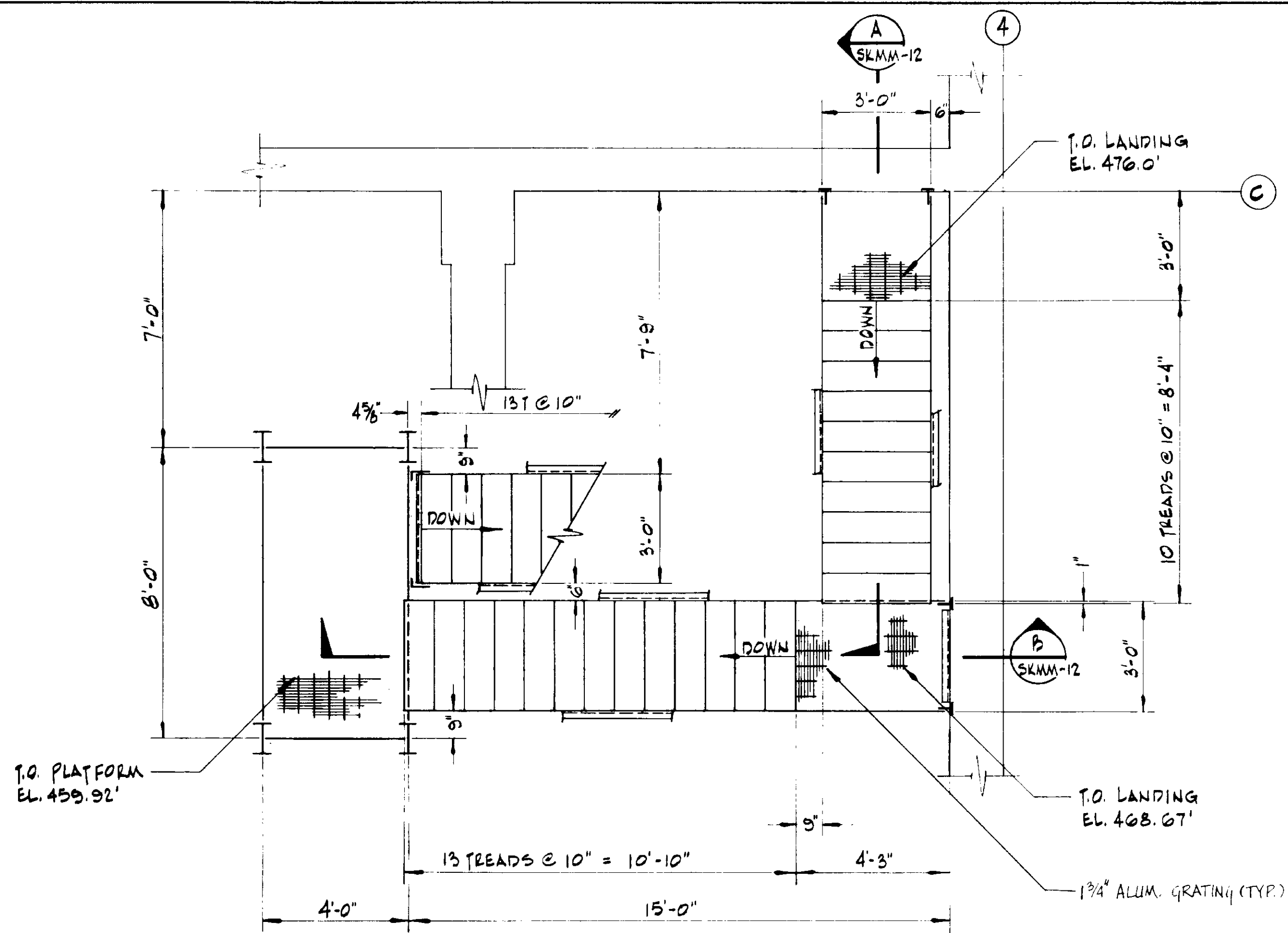
- NOTES:**
1. ALL FRAMING TO BE ALUMINUM UNLESS NOTED OTHERWISE.
 2. ALL BOLTS TO BE STAINLESS STEEL UNLESS NOTED OTHERWISE.
 3. SEE MM-12A FOR CLARIFICATION PCL-C5-56



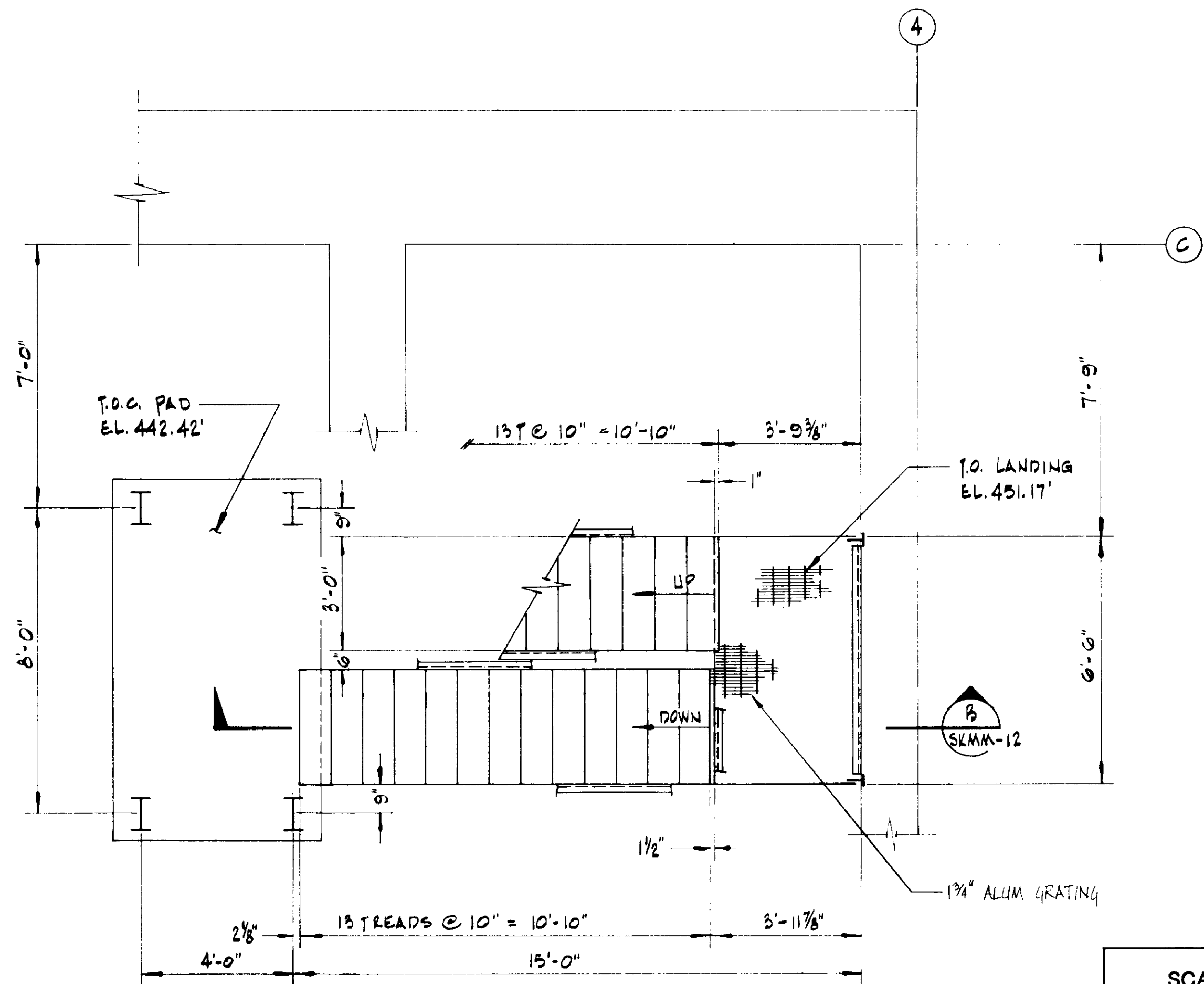
GRAPHIC SCALES
 DRAWING MAY BE REDUCED IN REPRODUCTION.
 SCALES SHOWN APPLY TO SHEETS AS DRAWN.

03215

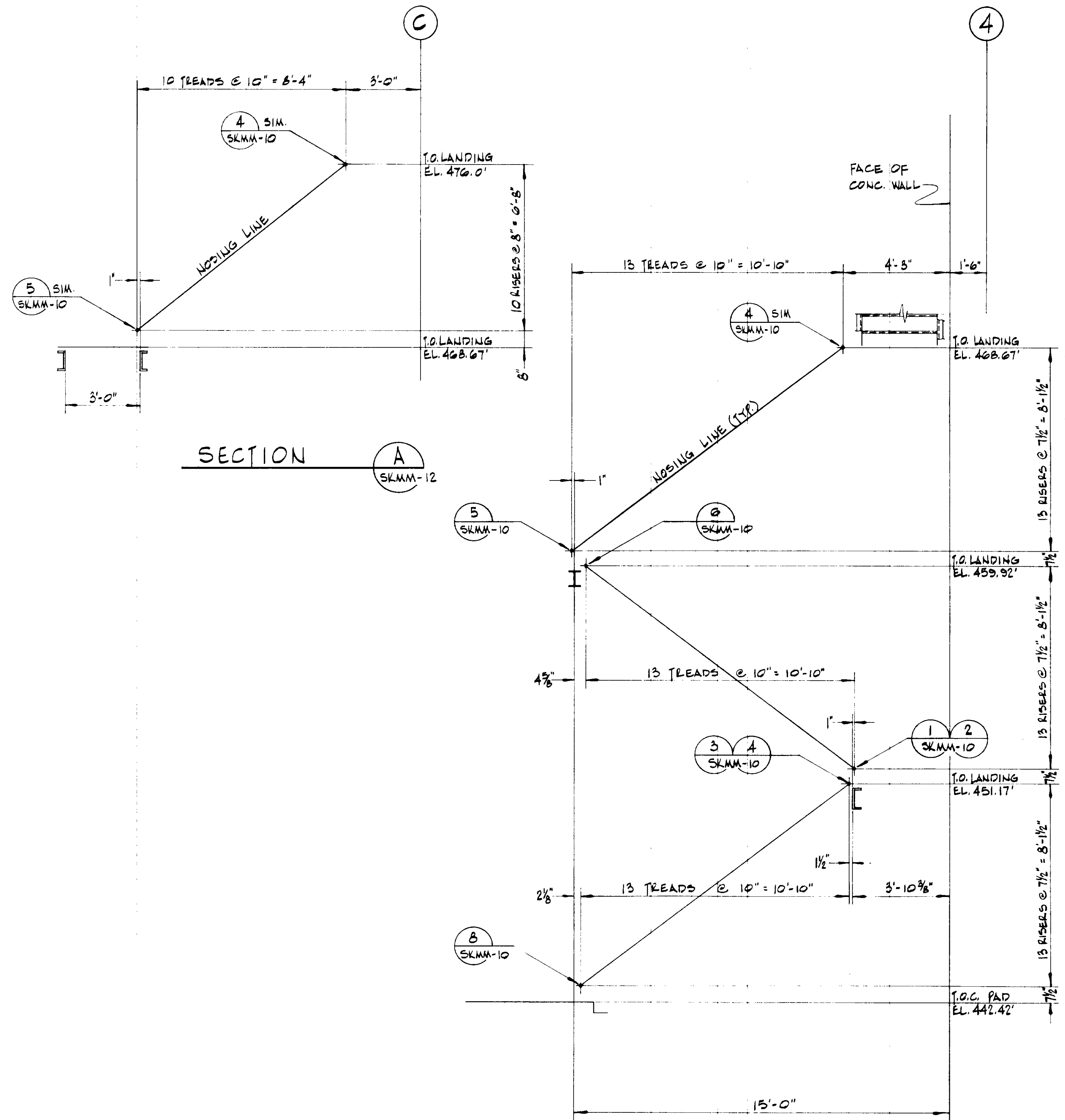
SCALE: AS NOTED		DESIGNED: M.K.	PROJECT MANAGER: <i>[Signature]</i> 14038 8/15/79	J&K CONSULTING ENGINEERS A JOINT VENTURE 5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018 (213) 933-9117	LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. MISCELLANEOUS METALS STAIRWAY NO. 13 GRIT PUMP STATION	SHEET MM-12	
DRAWN: S.K.		CHECKED: <i>[Signature]</i>	PROJECT ADMINISTRATOR: <i>[Signature]</i> 14884 8/15/79				
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION



PLANS AT EL. 476.0', 468.67' & 459.92'



PLANS AT EL. 451.17' & 442.42'



SECTION A SKMM-12

SECTION B SKMM-12

03216

RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alper
Y. Katsura
 KATSURA CONSULTING ENGINEERS RCE 14028
 March 1985

NOTE
 1. FOR NOTES SEE DRAWING NO. SKMM-11

REFERENCE DWG.: SKMM-12
 PLAN CLARIFICATION: RCL-25-54

PCL-C5-56

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

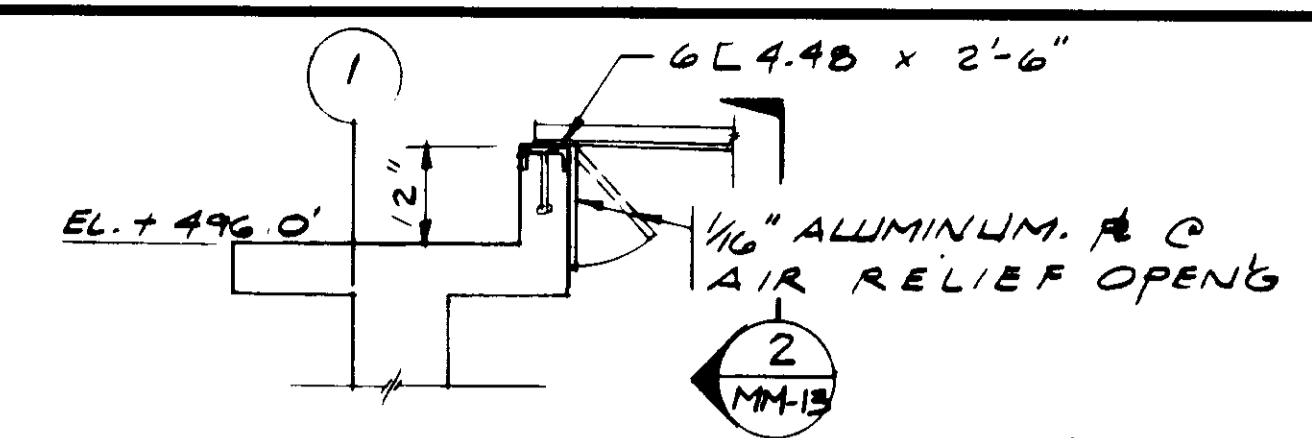
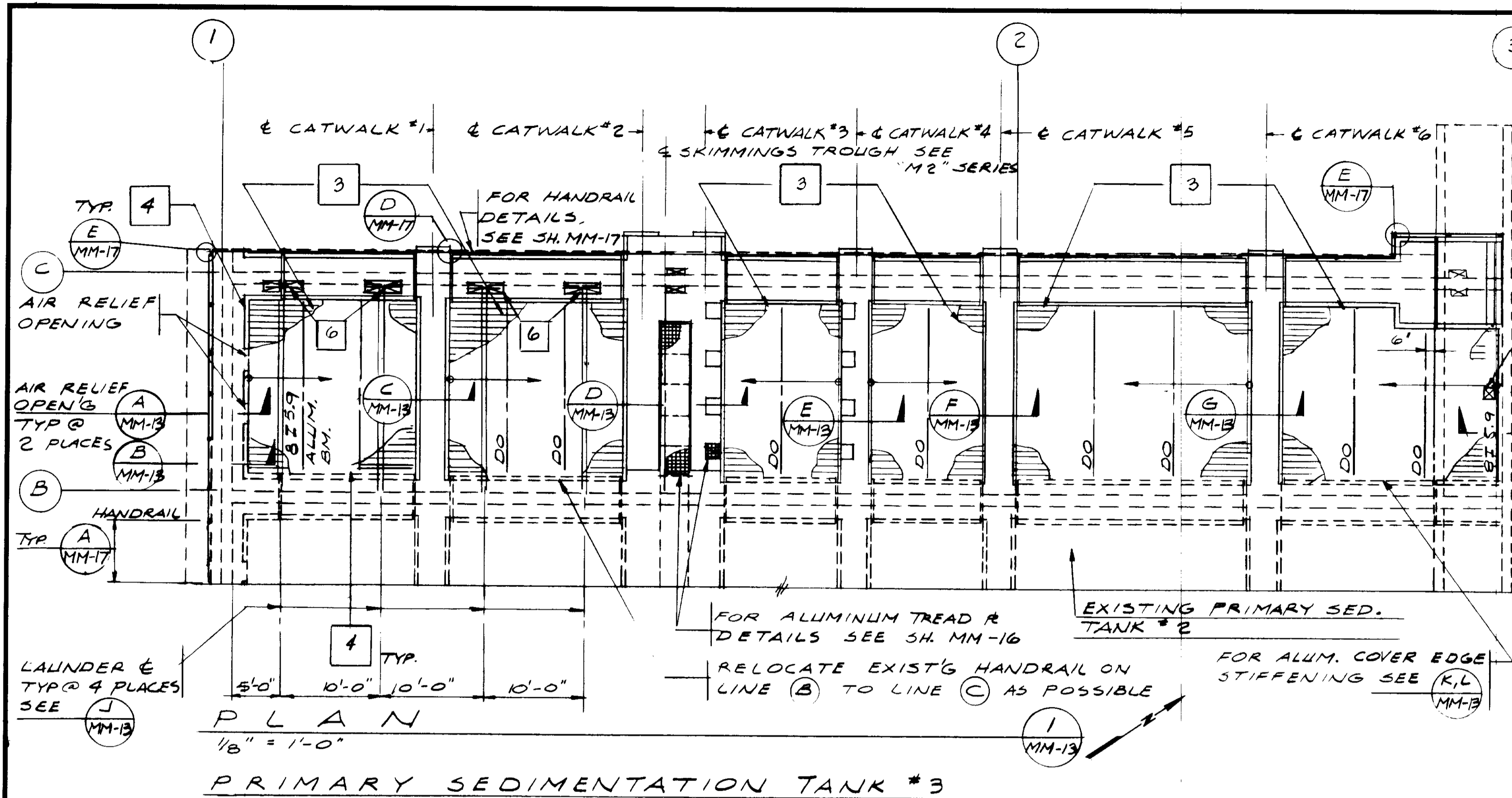
REV.	DATE	BY	DESCRIPTION

Y. KATSURA
 CONS. ENGINEERS

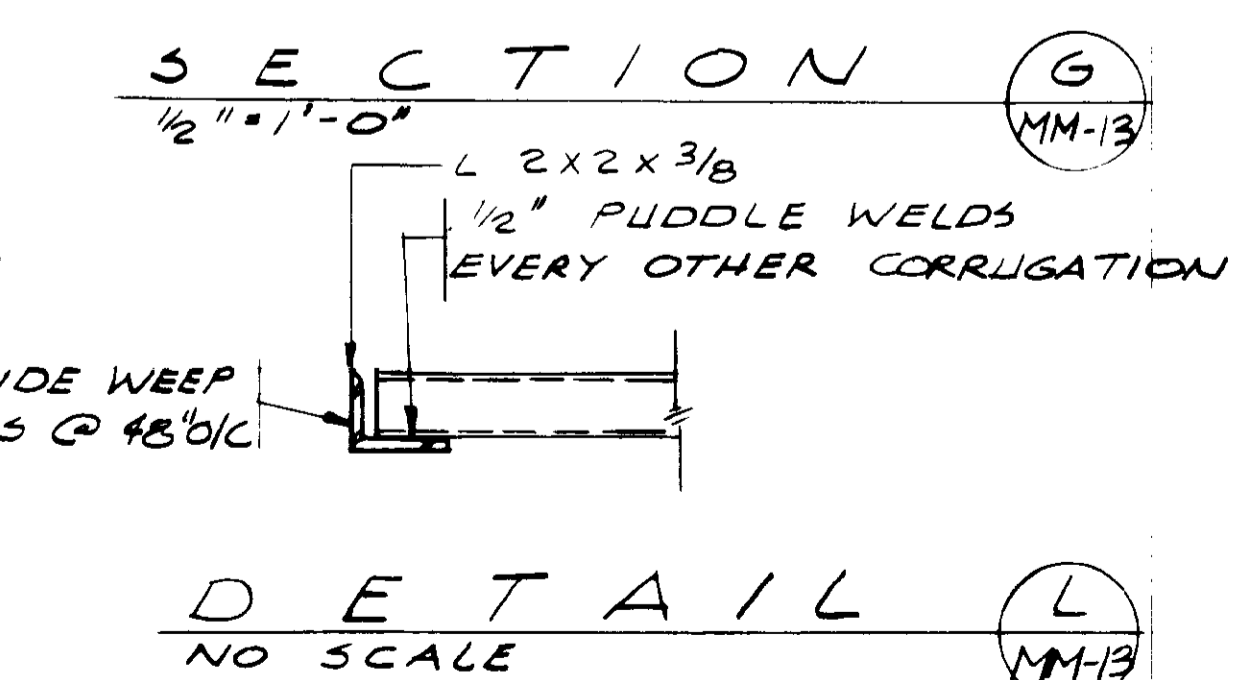
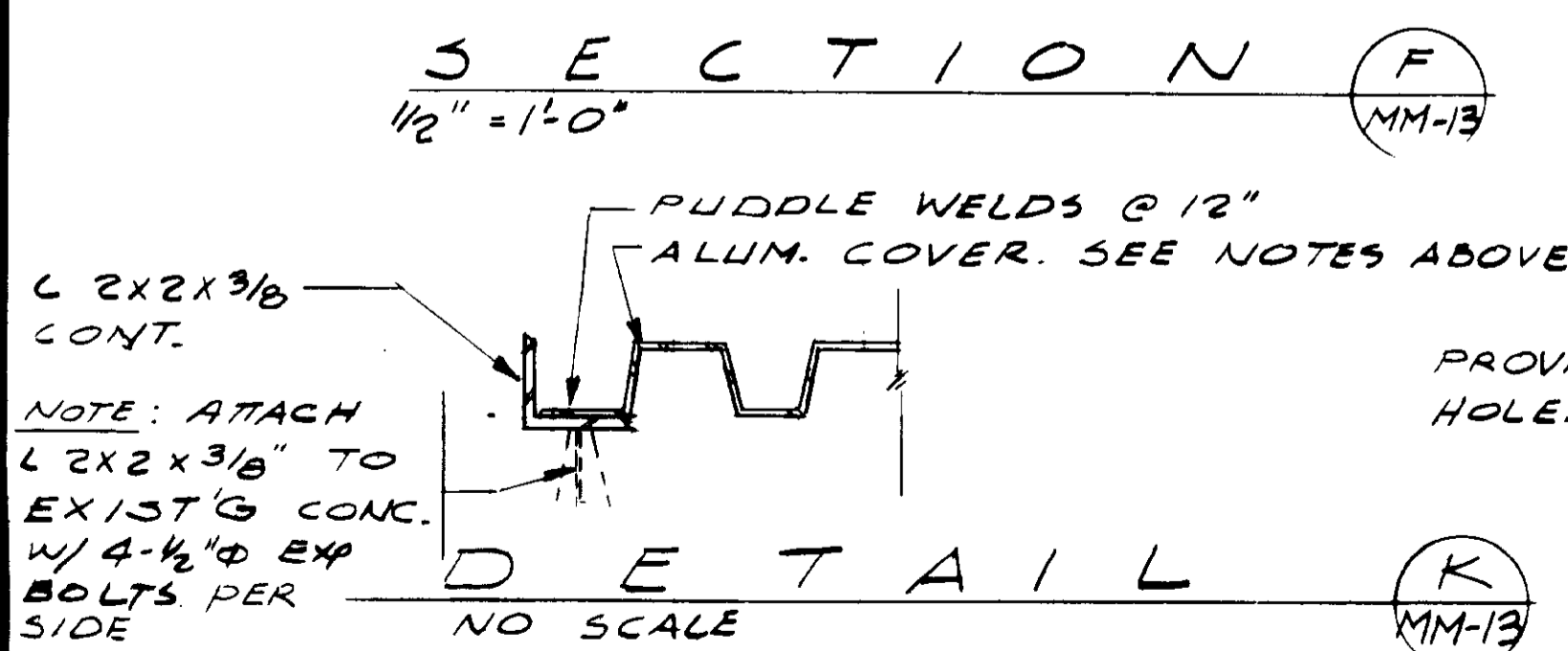
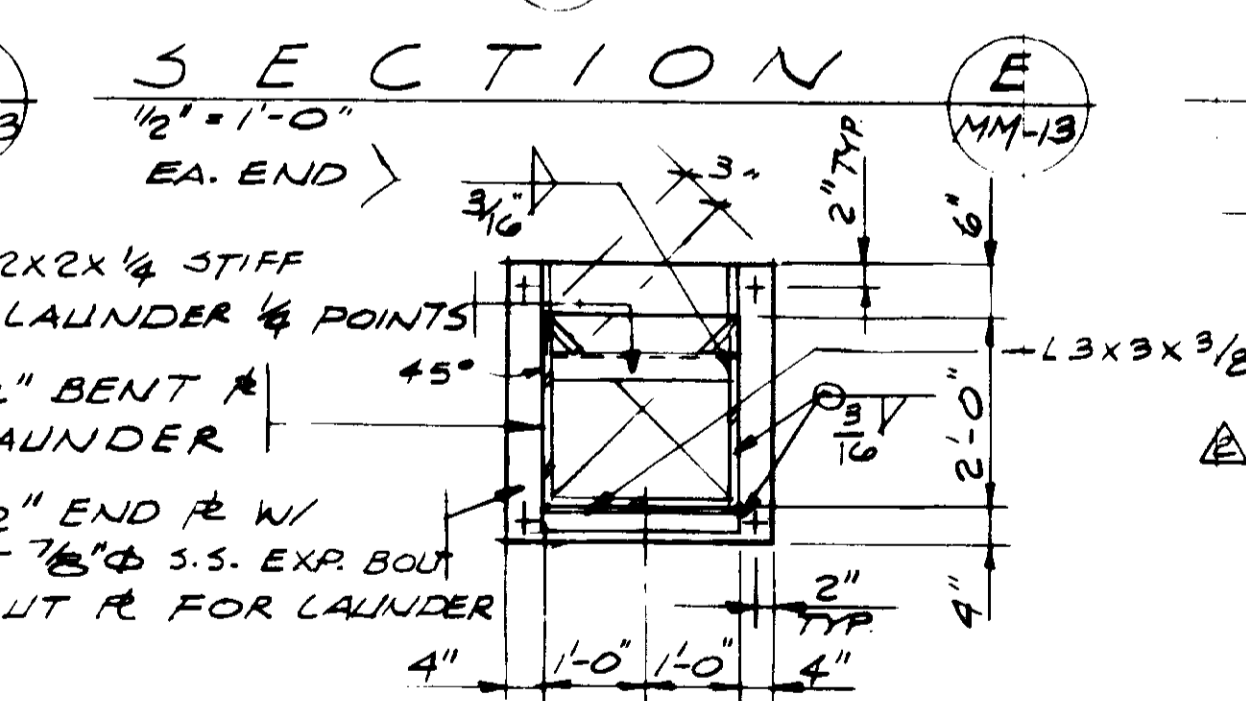
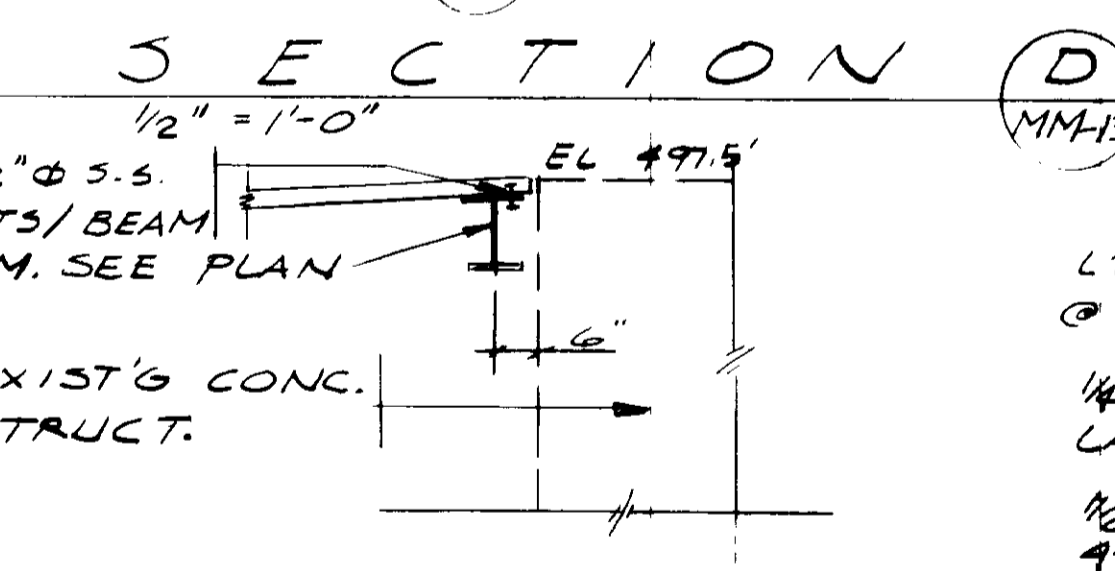
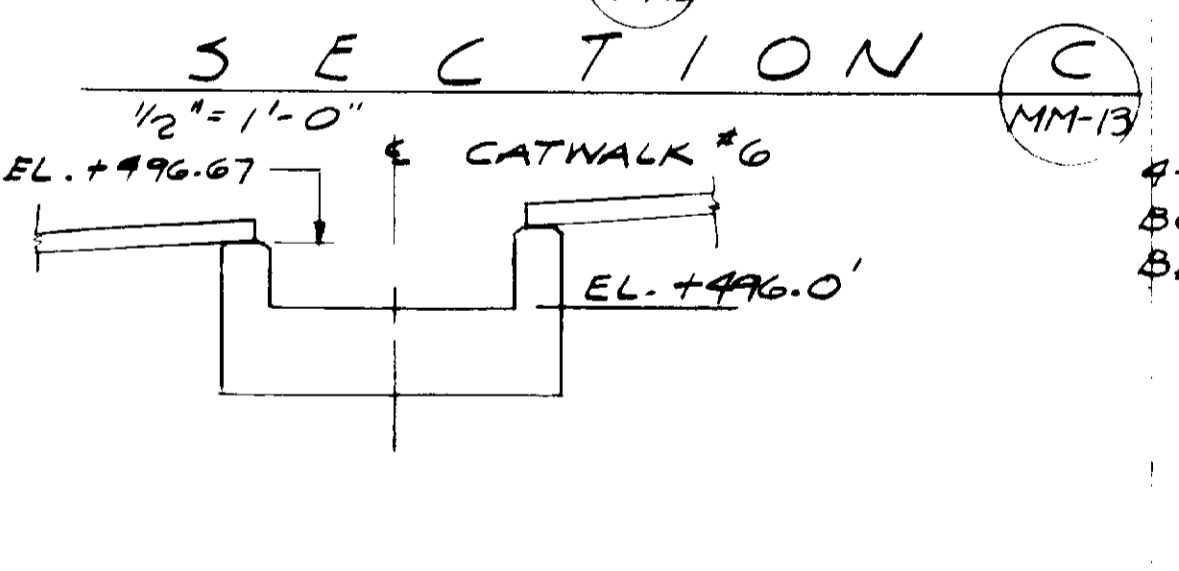
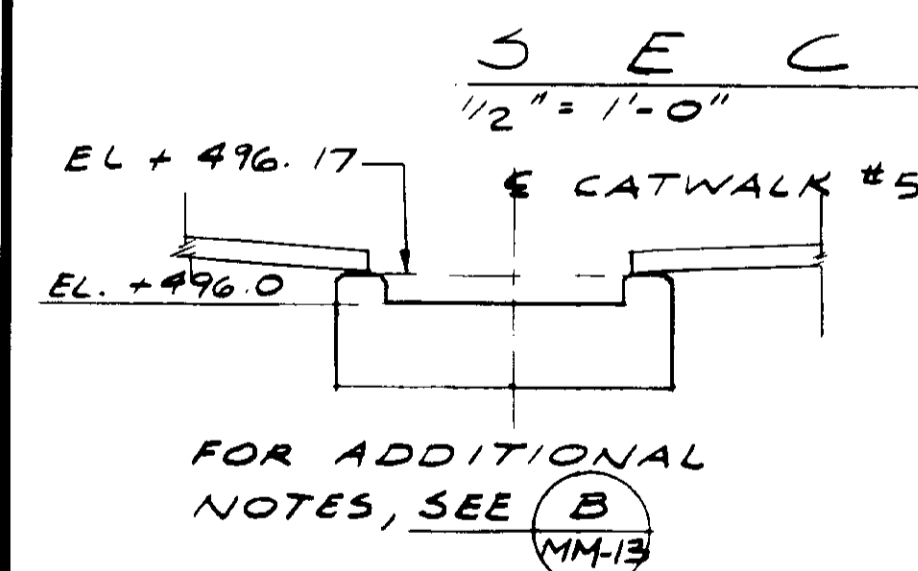
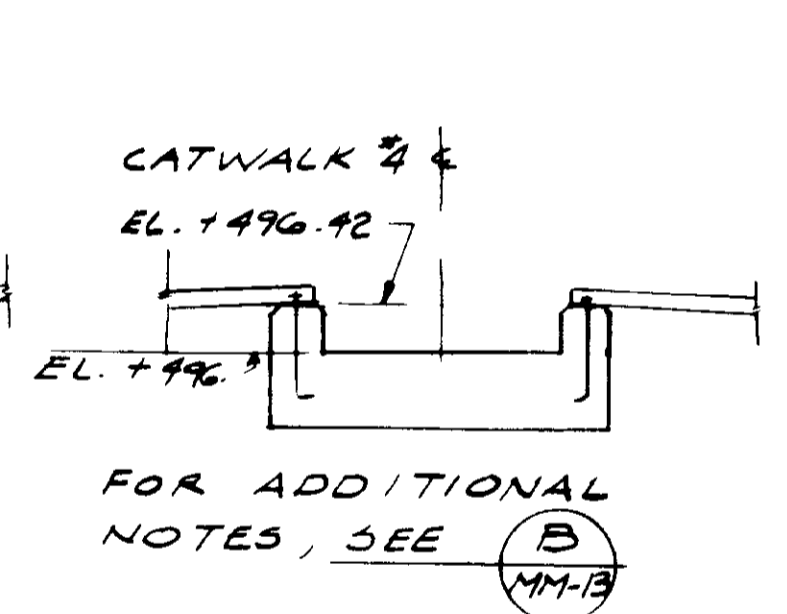
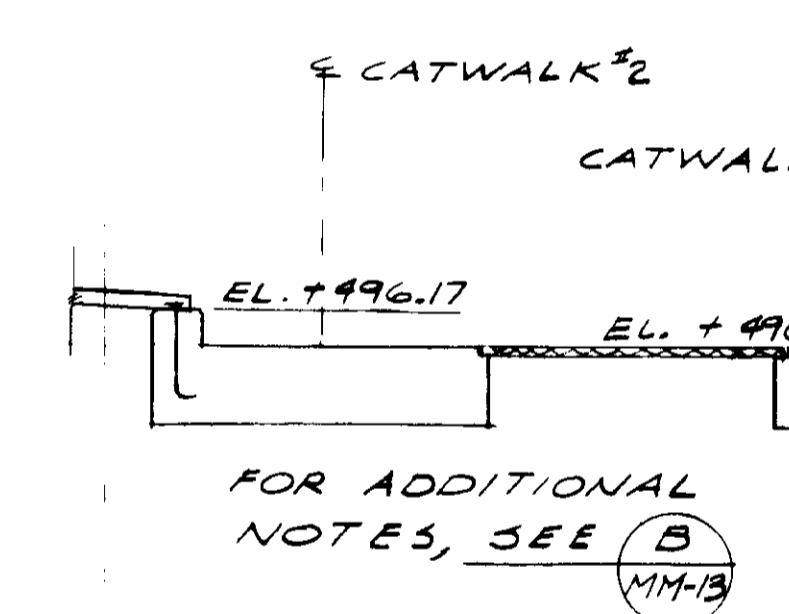
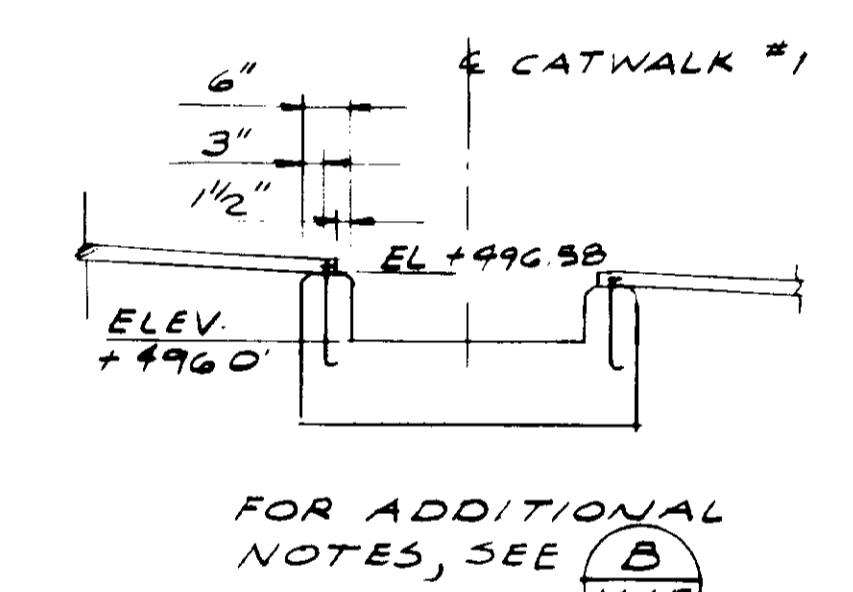
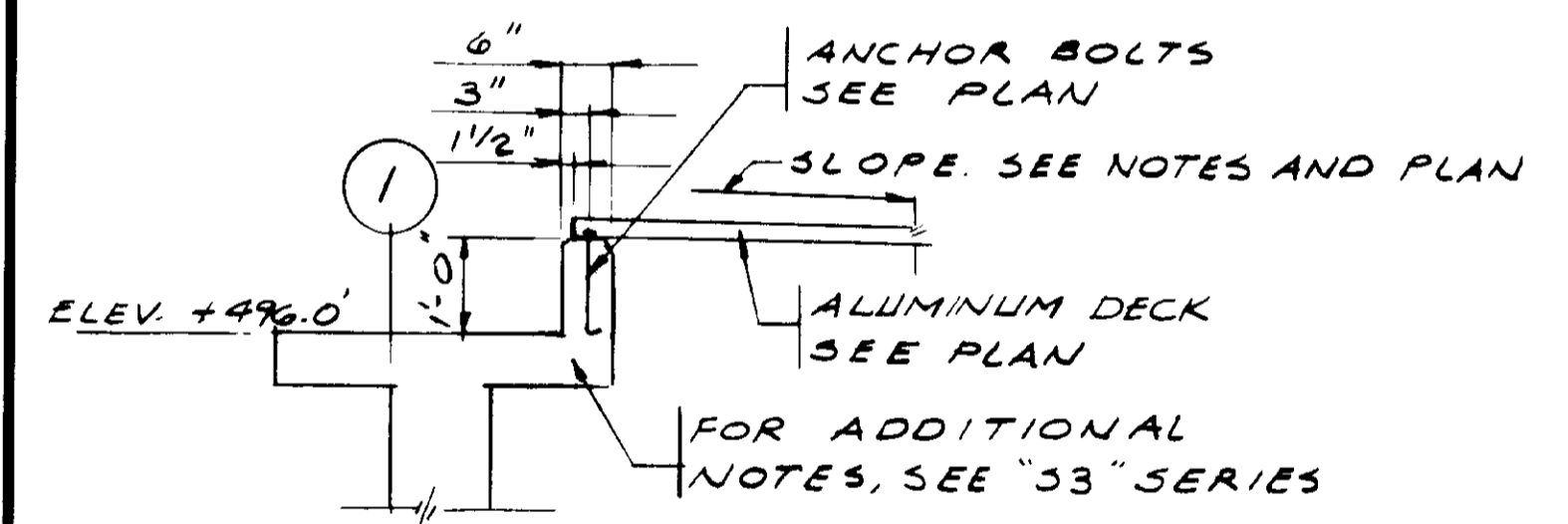
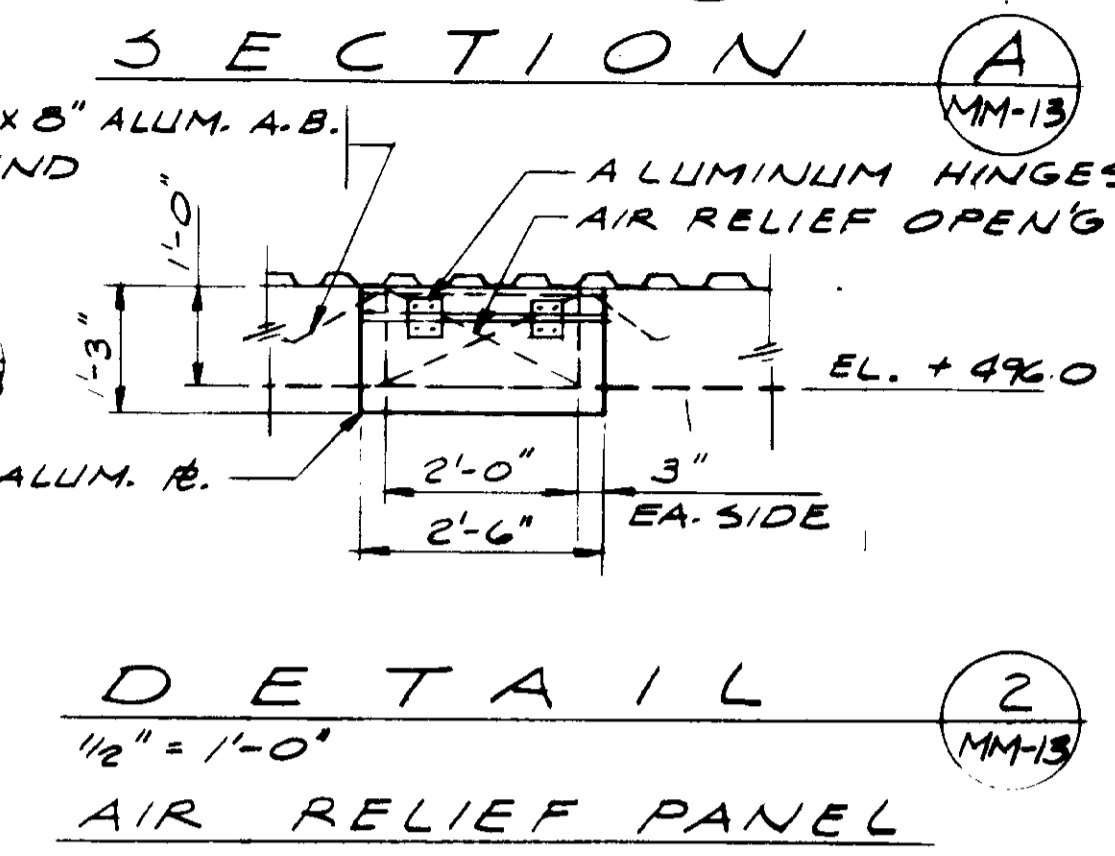
DATE: MAY 8, 1984
 DRAWN: N.O.
 CHECKED: RLEE

REVISED STAIRWAY NO. 13
 PLANS AND SECTIONS

SHEET
 MM-12A

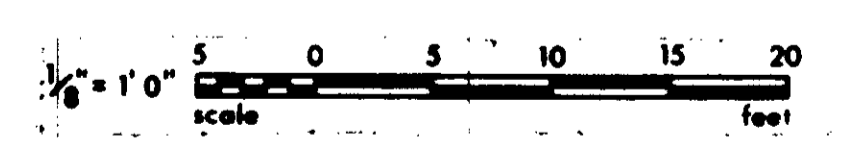


- NOTES:**
- DESIGNATION "I" REFERS A NOTE TO PLAN.
 - ALUMINUM OPENING COVERING SHALL HAVE THE FOLLOWING MATERIAL PROPERTIES:
 - SECTION MODULUS, $S = 0.228 \text{ IN}^3 \text{ MIN.}$
 - MOMENT OF INERTIA, $I = 0.36 \text{ IN}^4 \text{ MIN.}$
 - $F_y = 30,000 \text{ P.S.I.}$
 - THICKNESS = .050 IN ALLOY 300 + .116 CLAD.
 - 4-1/2" x 10" STAINLESS STEEL A.B. EQUALLY SPACED PER SIDE
 - DESIGNATION "O" REFERS TO A DOWNWARD SLOPE OF 1/4" PER 1'-0"
 - FOR ALUMINUM STOP LOG INFORMATION REFER TO ITEM VII OF STOP LOG AND NOTCH TABLE ON SHT. MM-21
 - SEE INSTR. DVGS. FOR SLUDGE BLANKET PROBE INSTALLATION, & PRIMARY SED. TANK #3



NOTE:

ALUMINUM OPENING SHALL BE DESIGNED FOR A 20 PSF LIVE LOAD & A MAX. DEFLECTION OF L/240. CORRUGATION DIMENSIONS & SHAPE SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.



RECORD DRAWINGS

Per Field Information Provided by Morley-Ziebarth & Alper

Y. Katsura RCE 14038
KATSURA CONSULTING ENGINEERS March 1988

SECTION J
1/2" = 1'-0"

PRIMARY LAUNDRER

FOR ADDITIONAL LAUNDRER NOTES SEE SH. MM-14

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION
2-6-84	UL	REV. PER MZA & JCE					
1-11-84	MK	CUT OUT COVER DETAIL					

SCALE :	M.K. DESIGNED	SUBMITTED	14038	8/15/79
AS NOTED	M.K. DRAWN	PROJECT MANAGER	R.C.E. NO.	DATE
	S.K. CHECKED	<i>Y. Katsura</i>	14884	8/15/79
		PROJECT ADMINISTRATOR	R.C.E. NO.	DATE

JK CONSULTING ENGINEERS

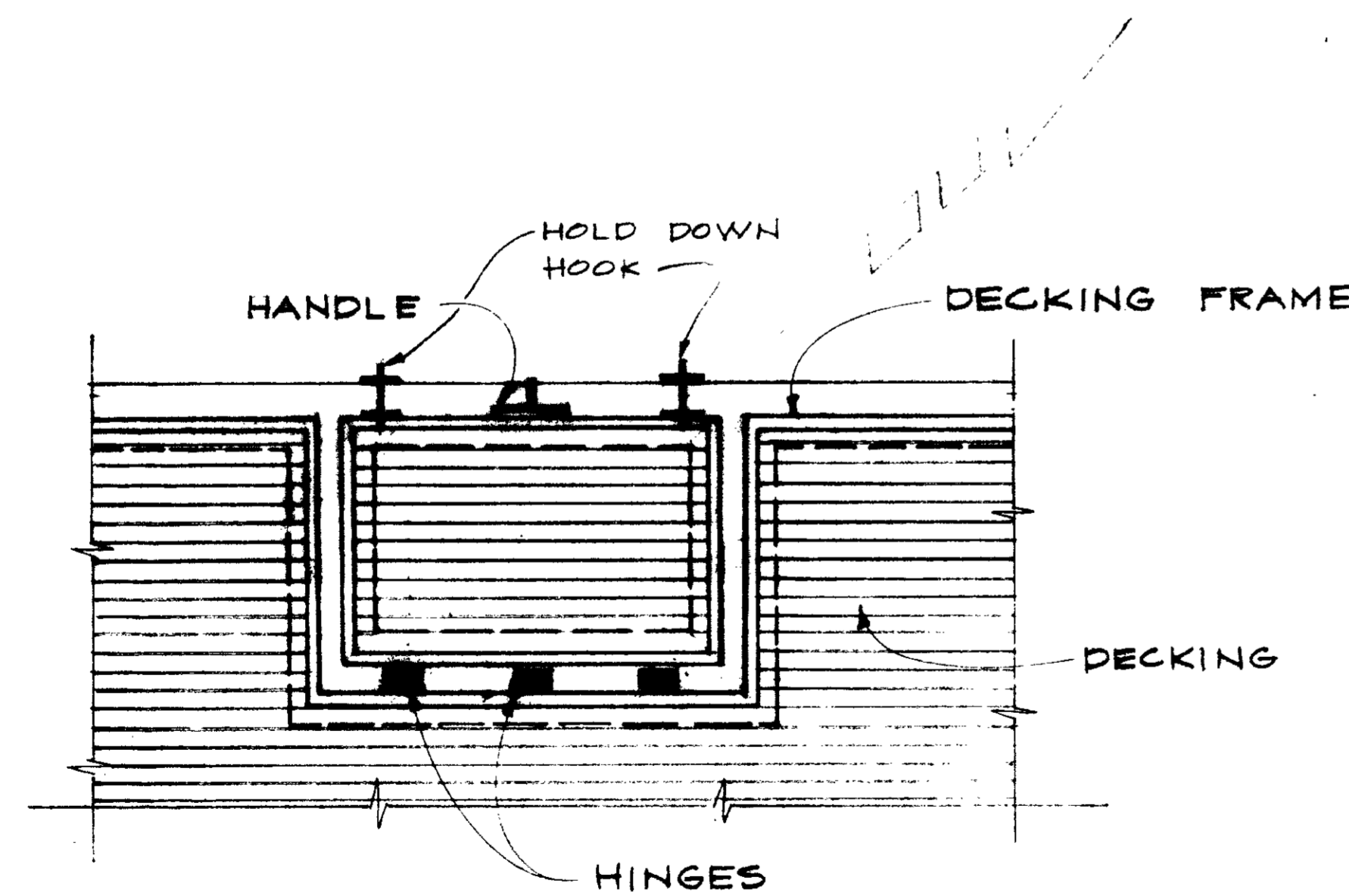
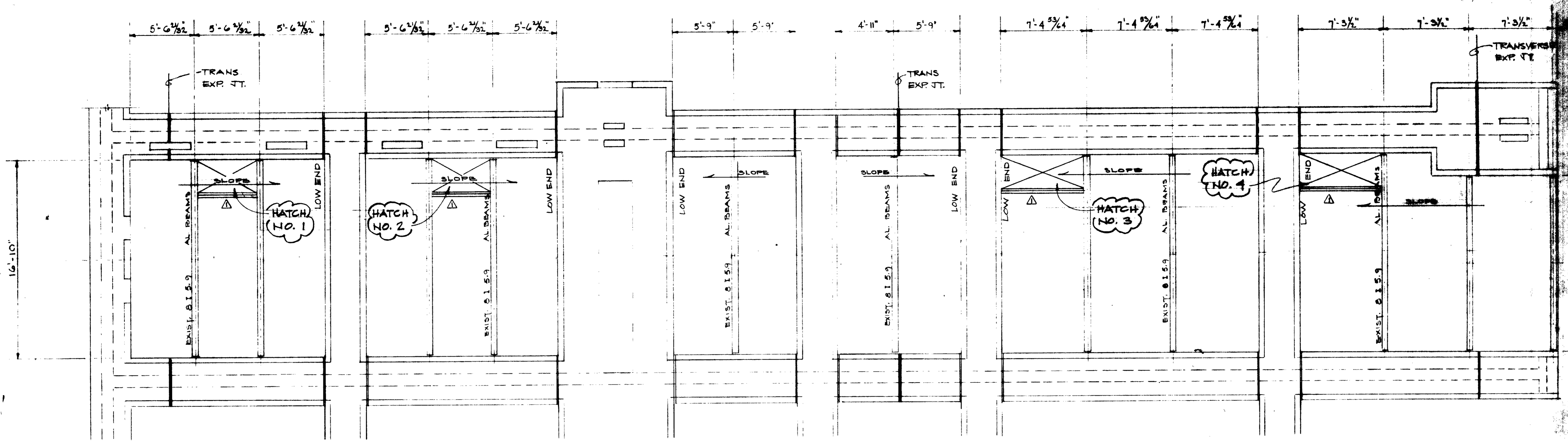
JOINT VENTURE

8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 933-9117

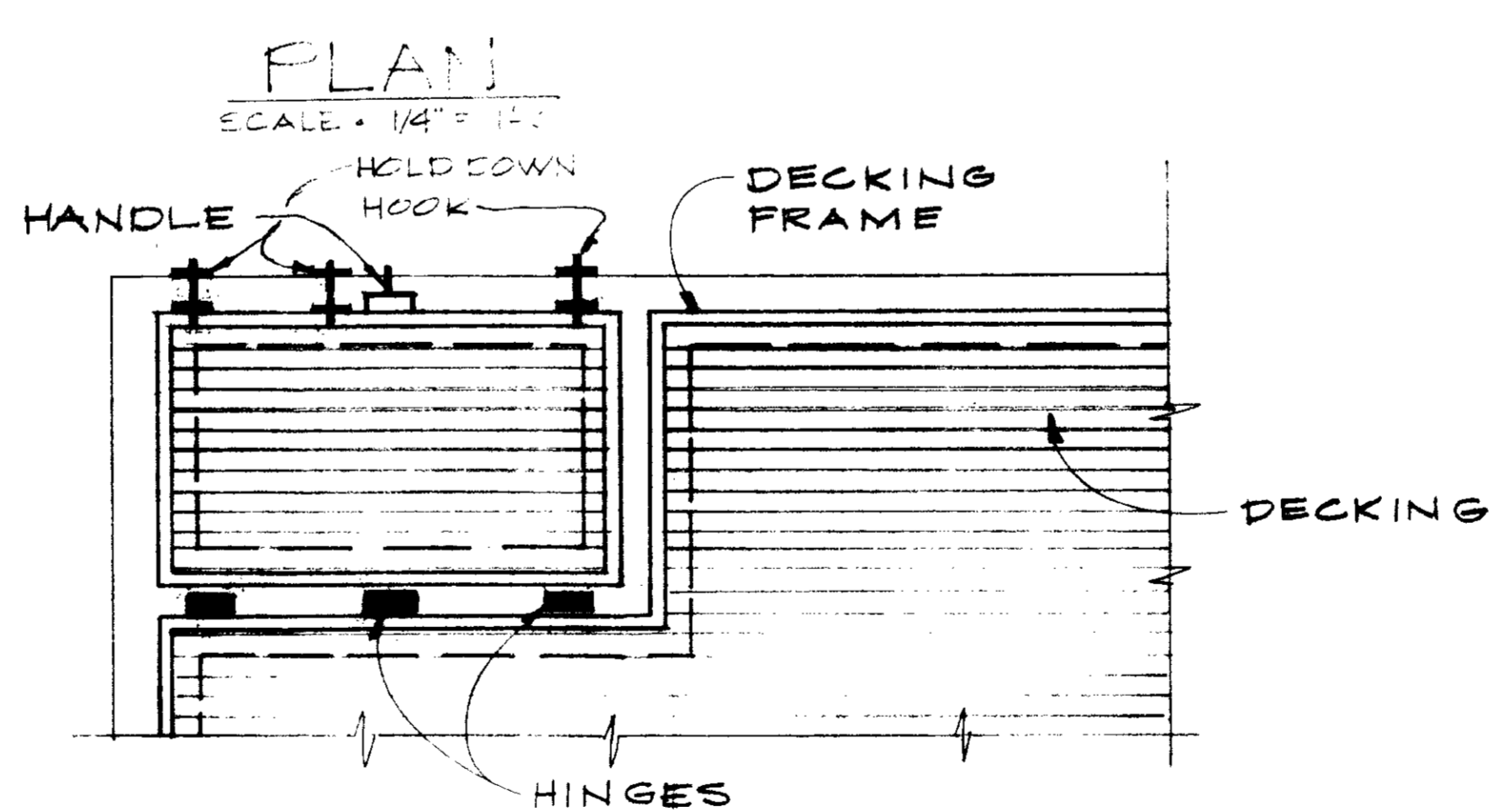
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.

MISCELLANEOUS METALS
PRIMARY SEDIMENTATION TANK ALUMINUM COVER

SHEET
MM-13



△ HATCH NOS. 1 & 2
NOT TO SCALE



△ HATCH NOS. 3 & 4
NOT TO SCALE

NOTES:

1. FIELD VERIFY OPENING DIMENSIONS AND LOCATION OF 8I BEAMS PRIOR TO FABRICATION.
2. EXISTING BEAMS = 8I
- △ 3. NEW BEAMS = 6H
- △ 4. REFERENCE = SHEET MM-13
- △ 5. INSTALL HOLD DOWN HOOK BRACKET AFTER HATCH INSTALLED FOR ALIGNMENT OF HOOK.
- △ 6. ALUM DECKING PER SHOP DRAWING C05-0191.

REFERENCE DWG.: SKMM-13A 03218
PLAN CHANGE: PCH-C5-84

DATE	REV	BY	DESCRIPTION
2-28-88	1	YK	ADDITION OF HATCH

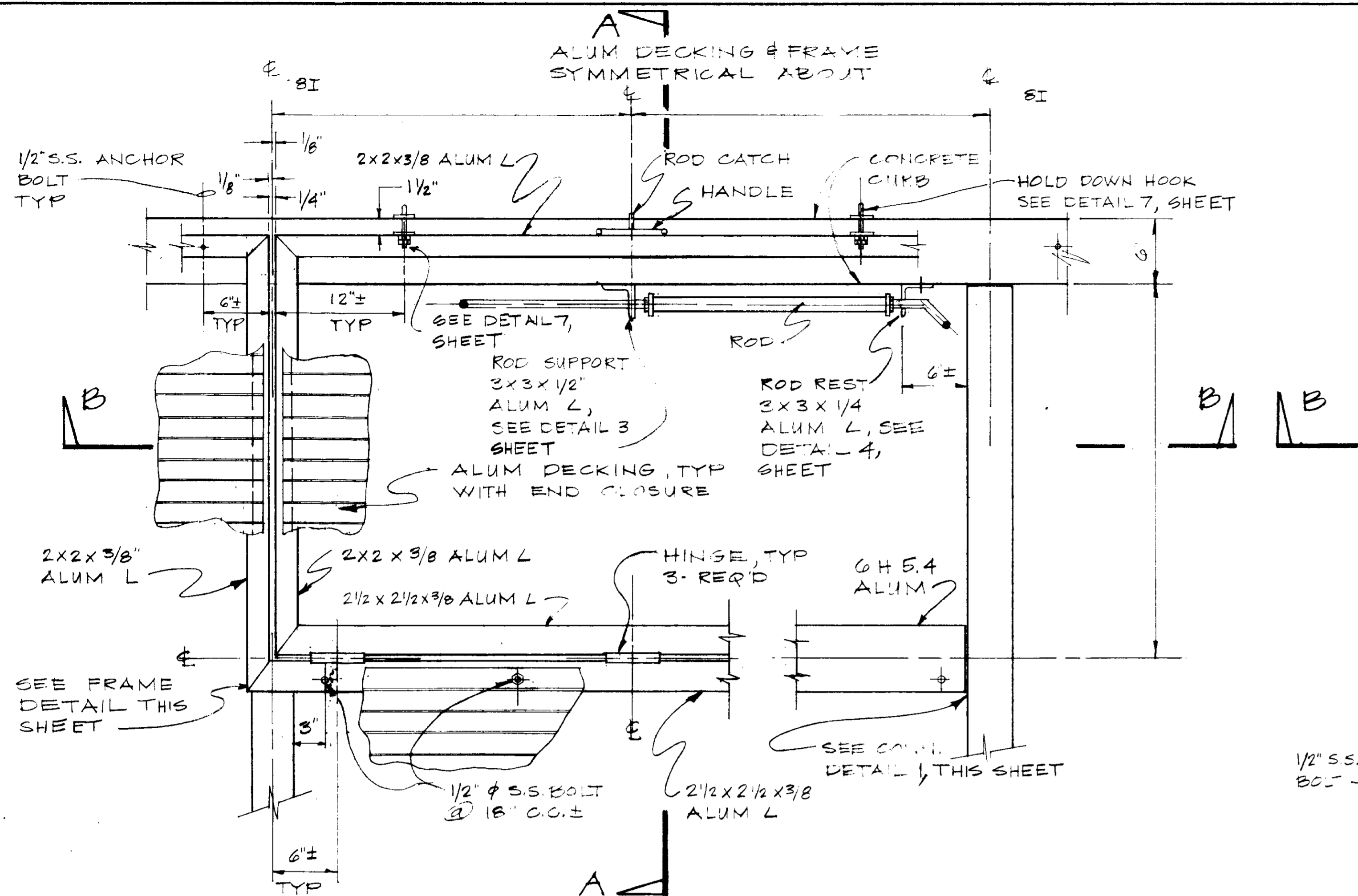
RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS RCE 14088
March 1988

BY: YK/CB
DATE: 2/22/83

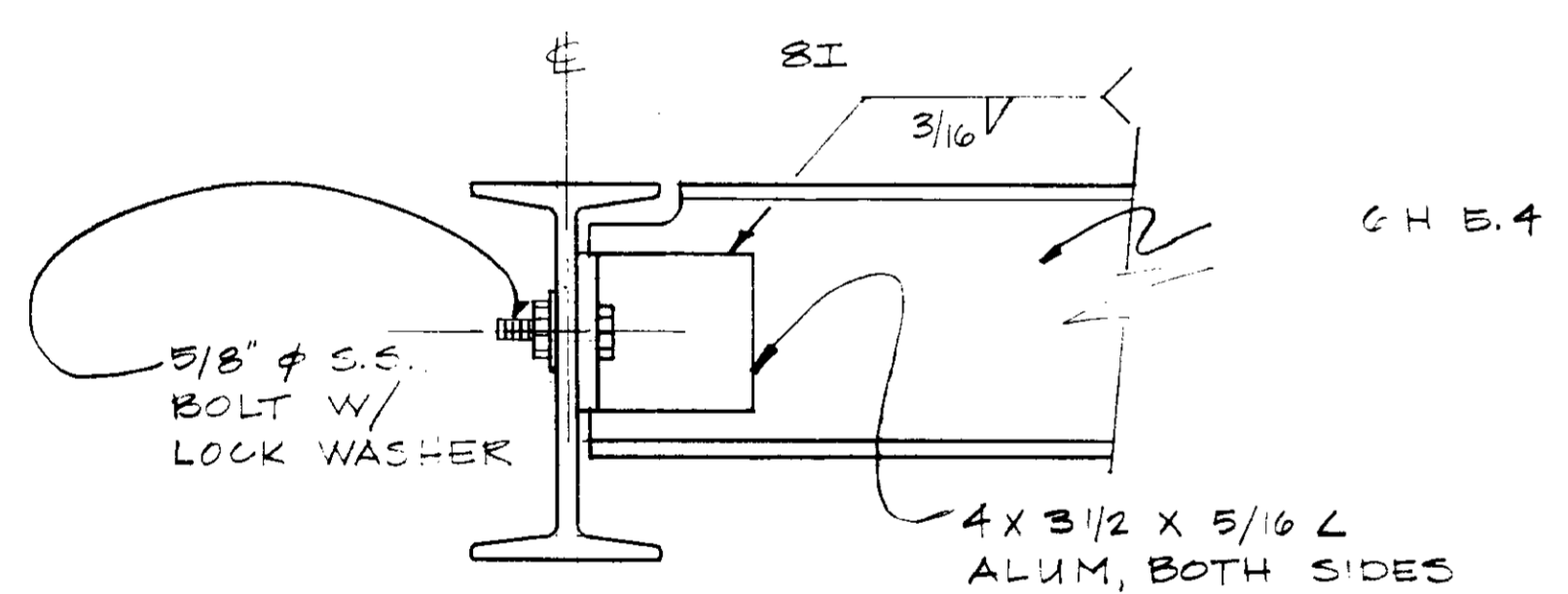
KATSURA
CONSULTING ENGINEERS

PRIMARY SEDIMENTATION TANK
ALUMINUM COVER FRAMING PLAN

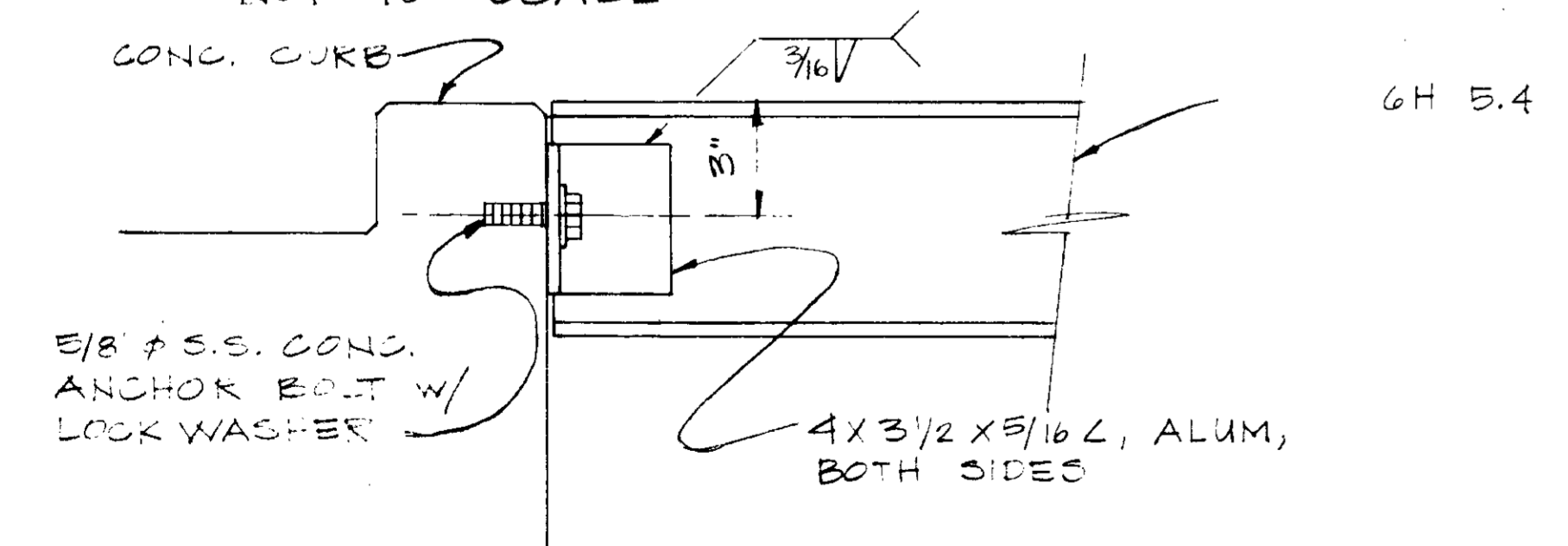
MM-13A



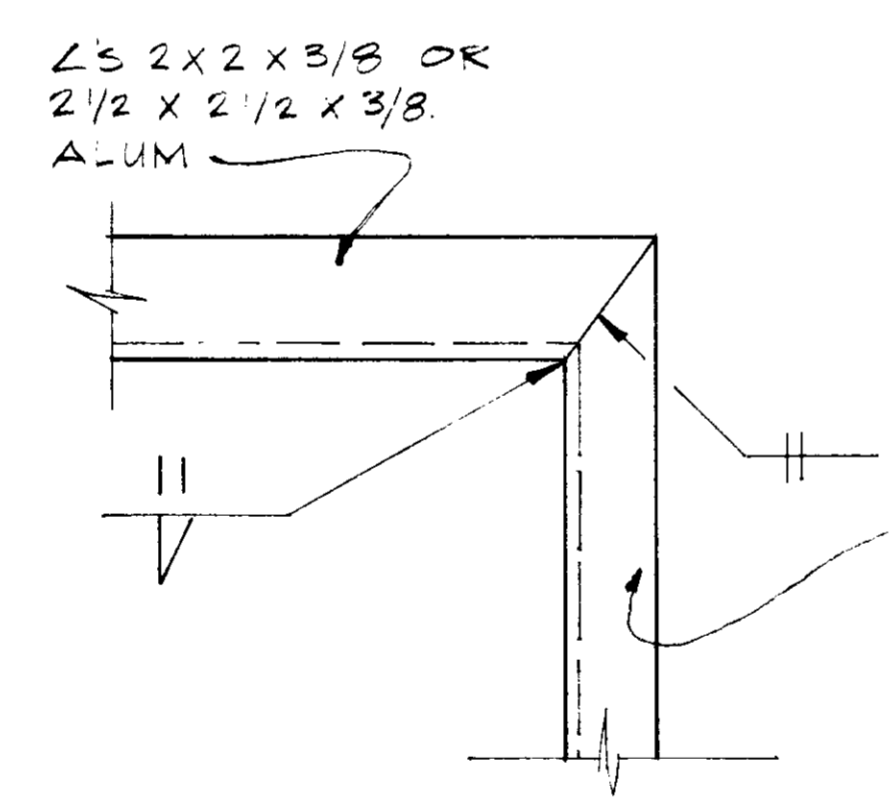
HATCH NOS. 1 & 2
SCALE: 1/2" = 1'-0"



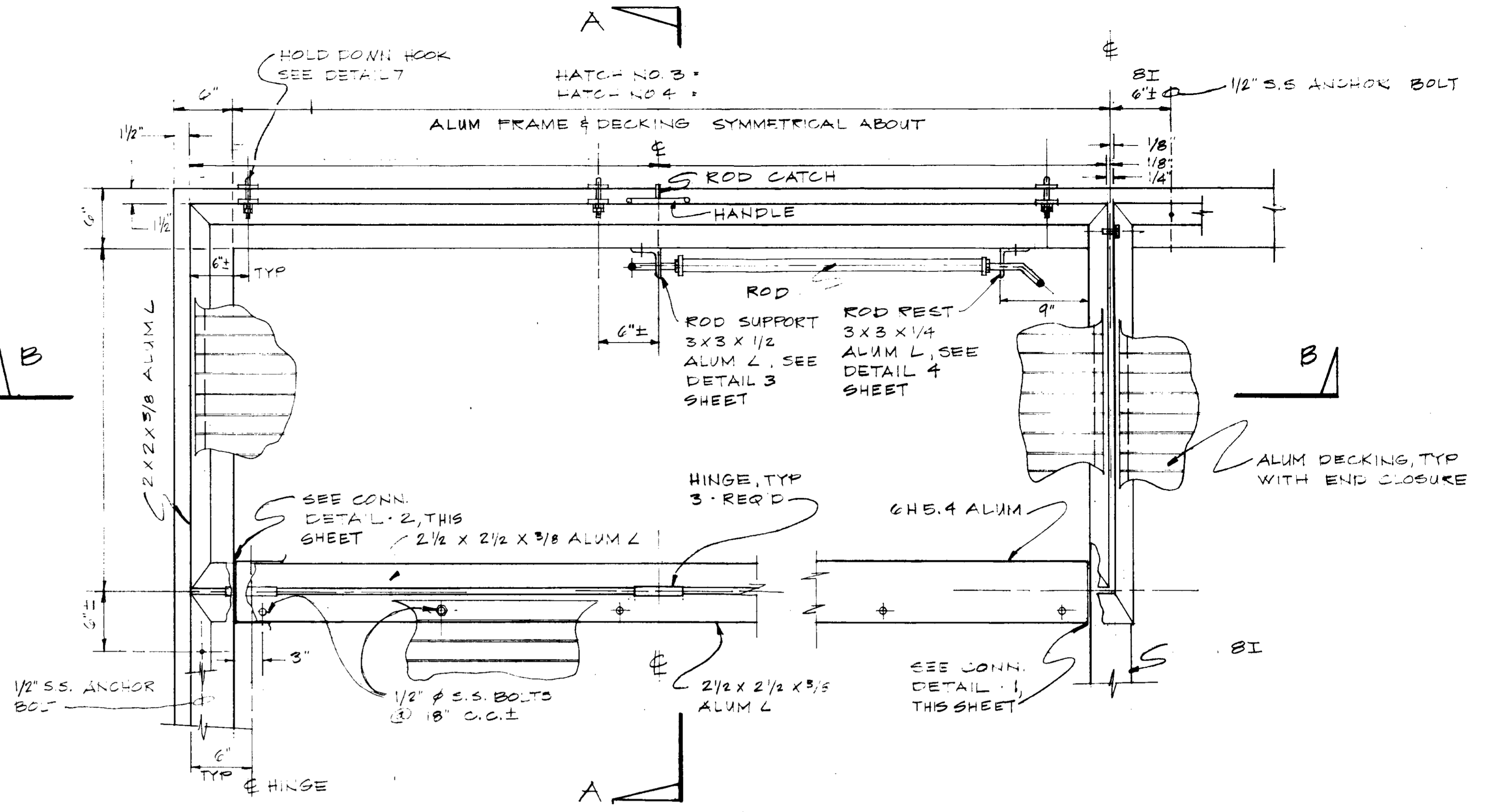
CONNECTION DETAIL - 1
NOT TO SCALE



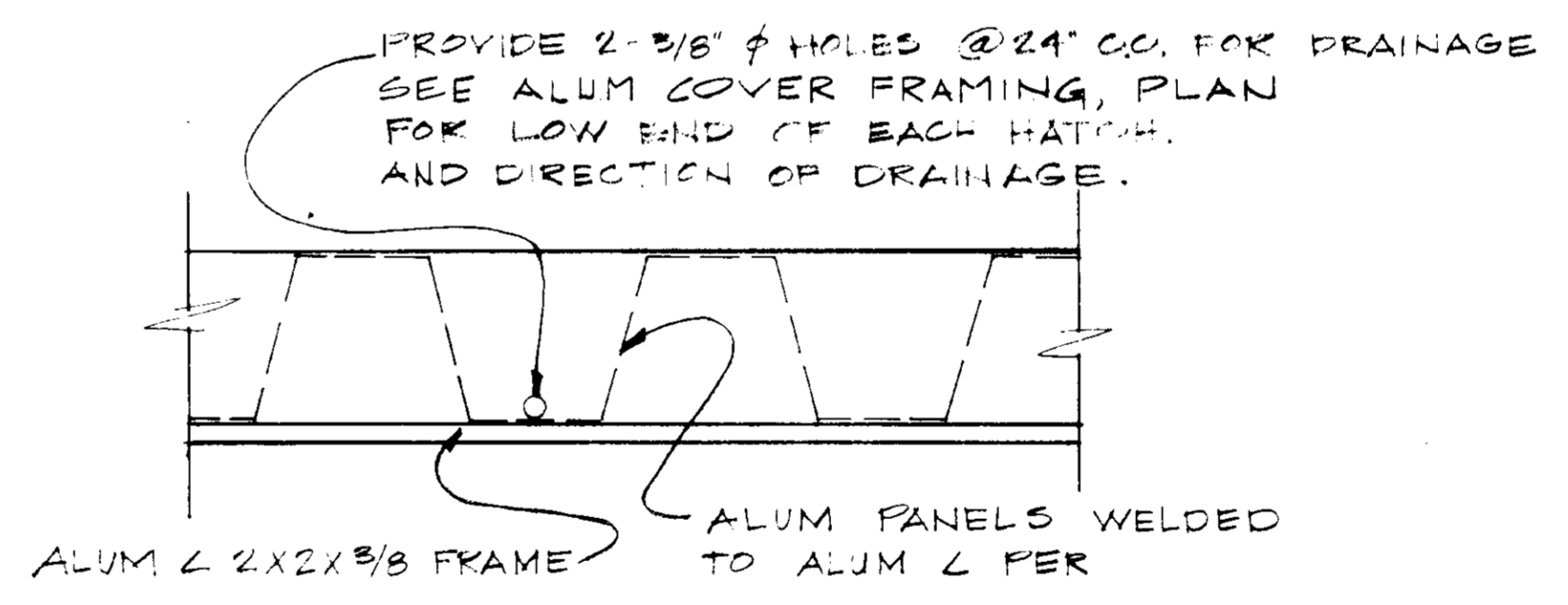
CONNECTION DETAIL - 2
NOT TO SCALE



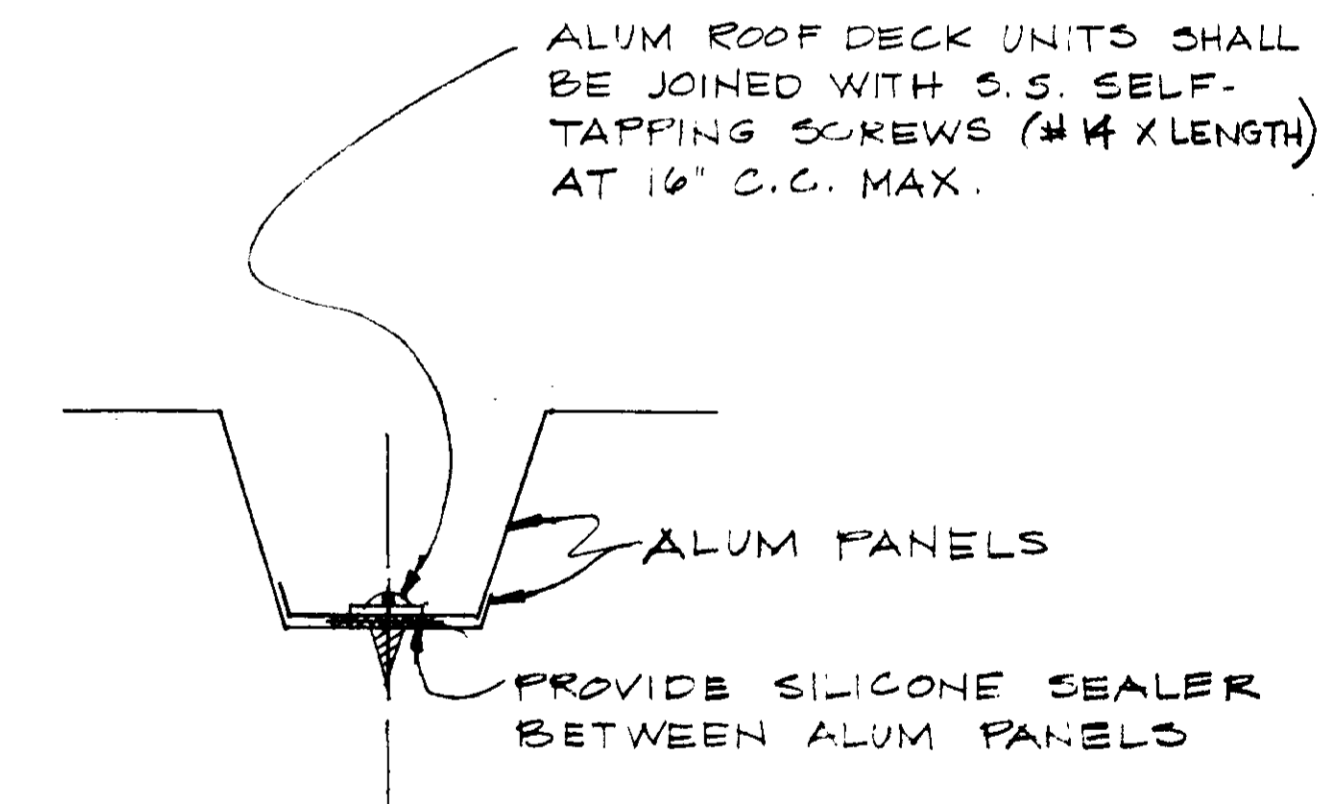
FRAME DETAIL
NOT TO SCALE



HATCH NOS. 3 & 4
SCALE: 1/2" = 1'-0"



HATCH DRAINAGE
NOT TO SCALE



TAPPING SCREW DETAIL FOR COVER AND HATCH
NOT TO SCALE

ALUM ROOF DECK UNITS SHALL BE JOINED WITH S.S. SELF-TAPPING SCREWS (#4 X LENGTH) AT 16" C.C. MAX.

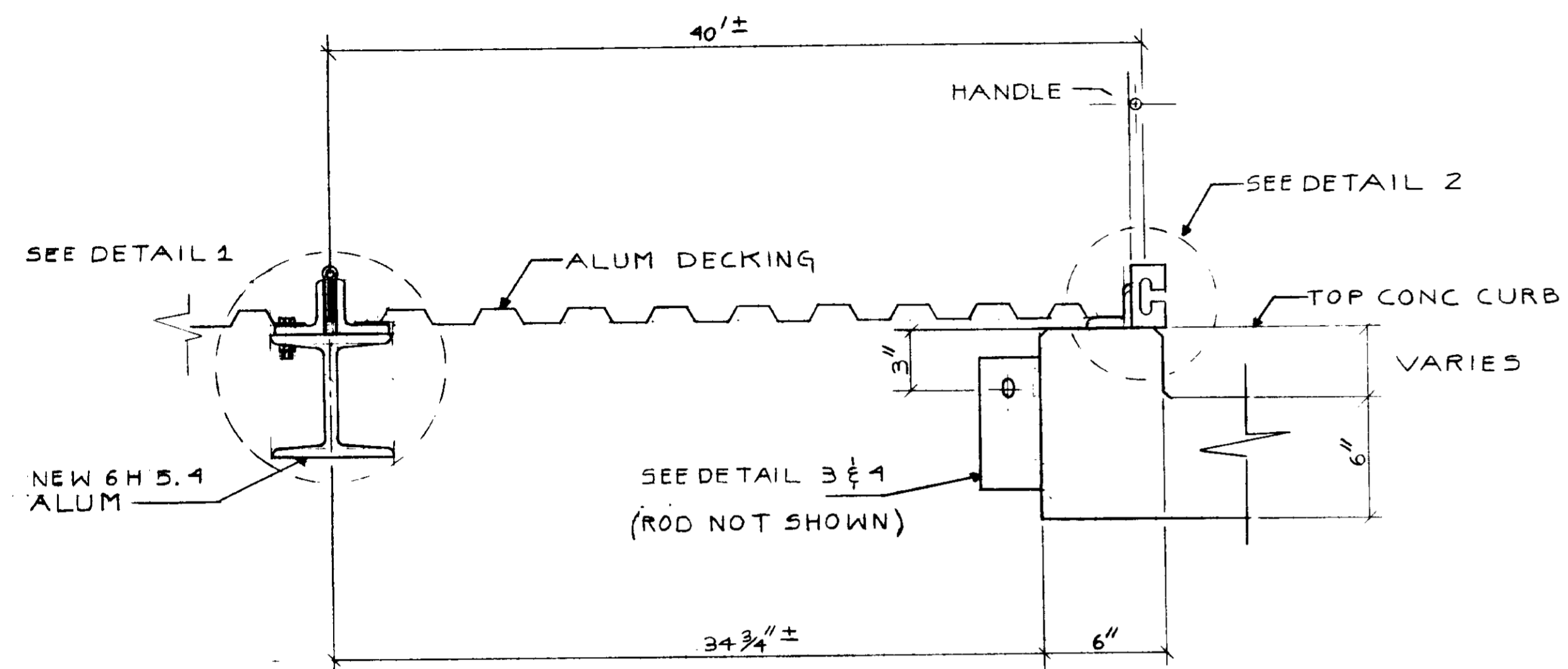
RECORD DRAWINGS
Per Field Information Provided By Merley-Ziebarth & Alger
Yuh Vatanas
RATSURA CONSULTING ENGINEERS March 1985

BY: YK/LW
DATE: 2/22/83

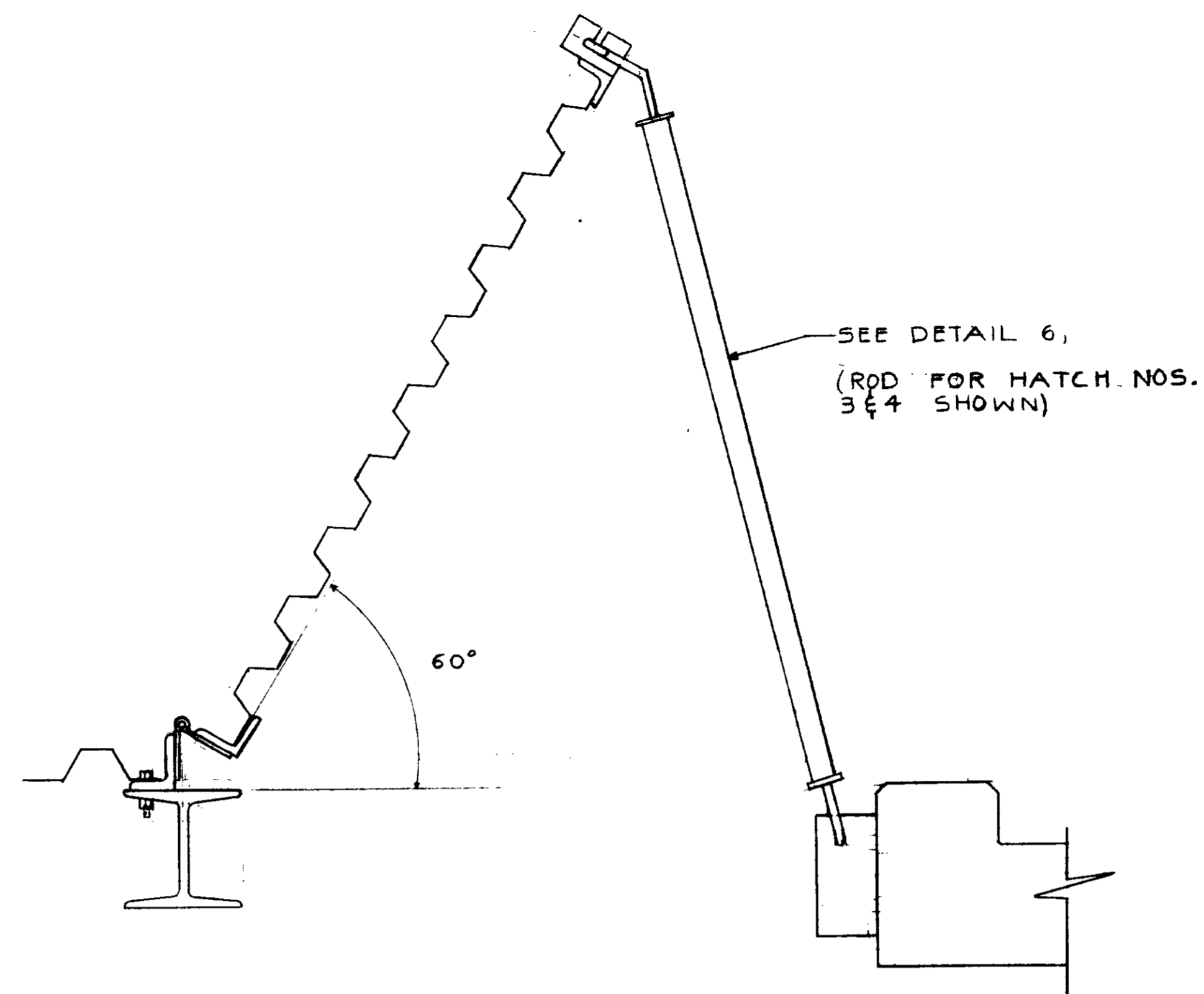
KATSURA CONSULTING ENGINEERS

PRIMARY SEDIMENTATION TANK ALUMINUM COVER DETAILS - I

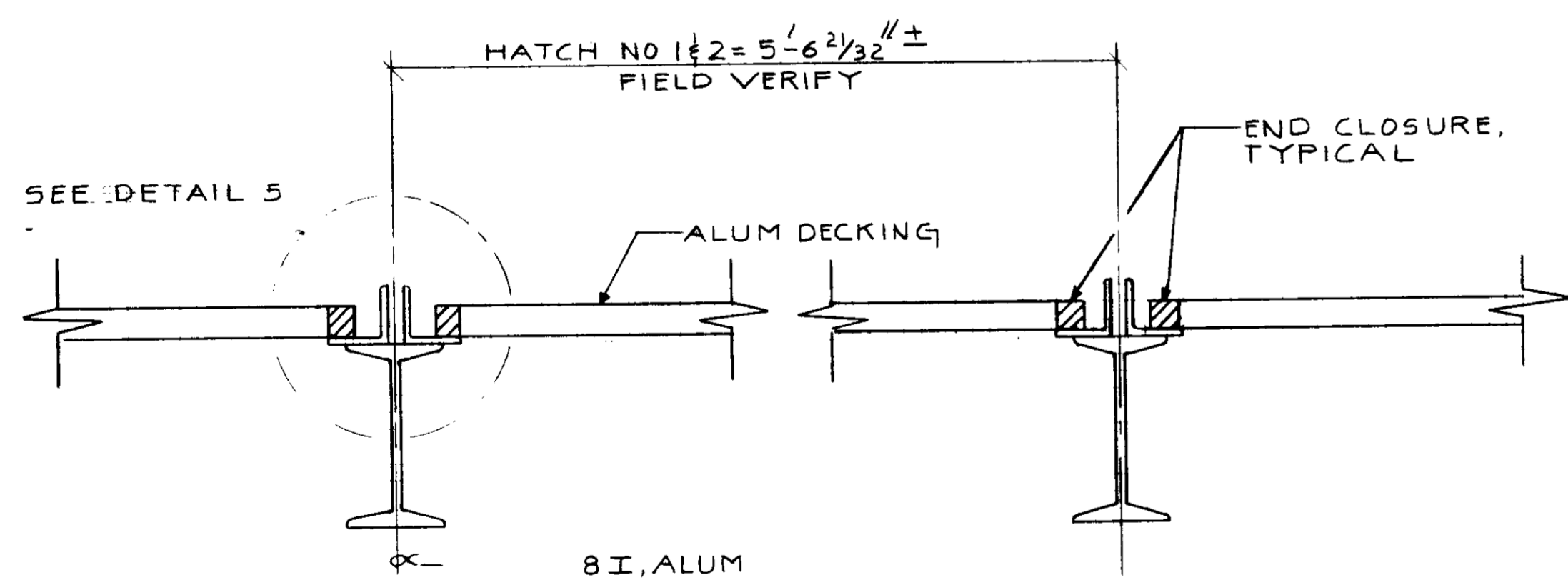
SHEET
MM-138



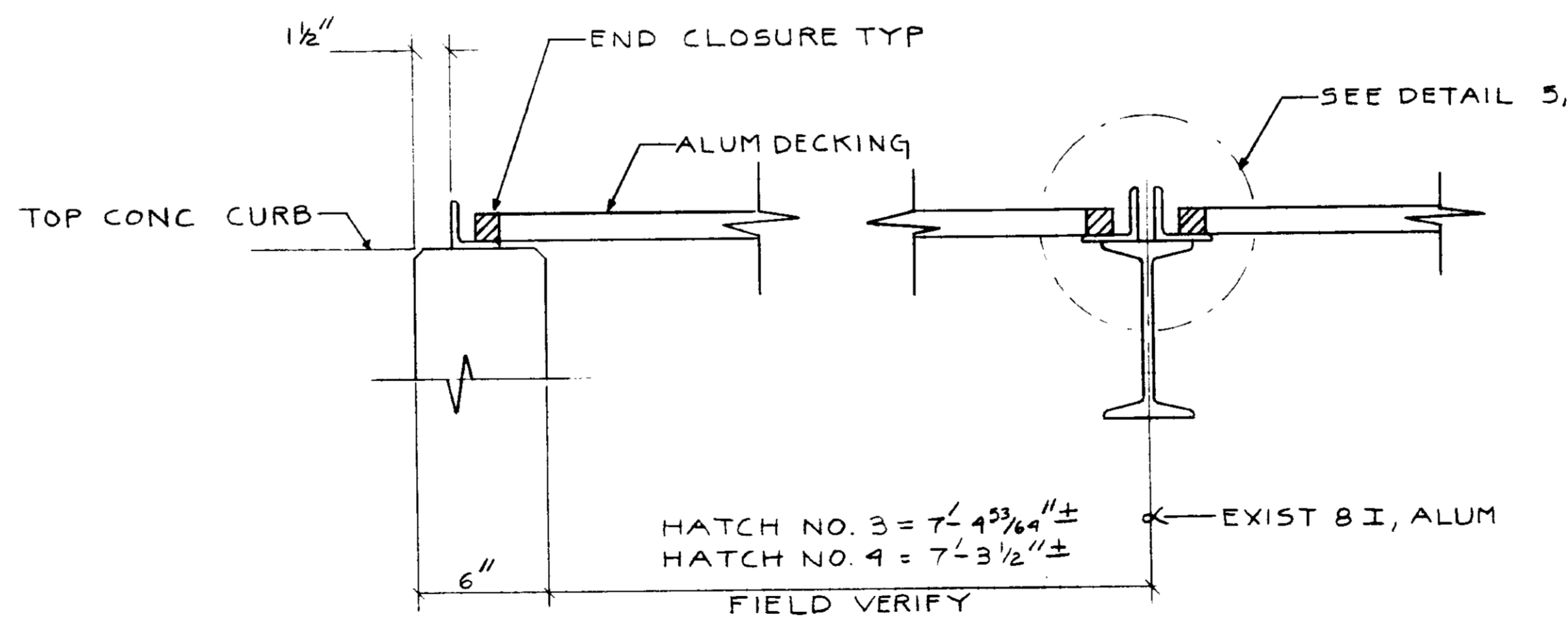
SECTION A-A
NO SCALE



HATCH OPEN
NO SCALE



SECTION B-B
NO SCALE



SECTION B-B
NO SCALE

03220

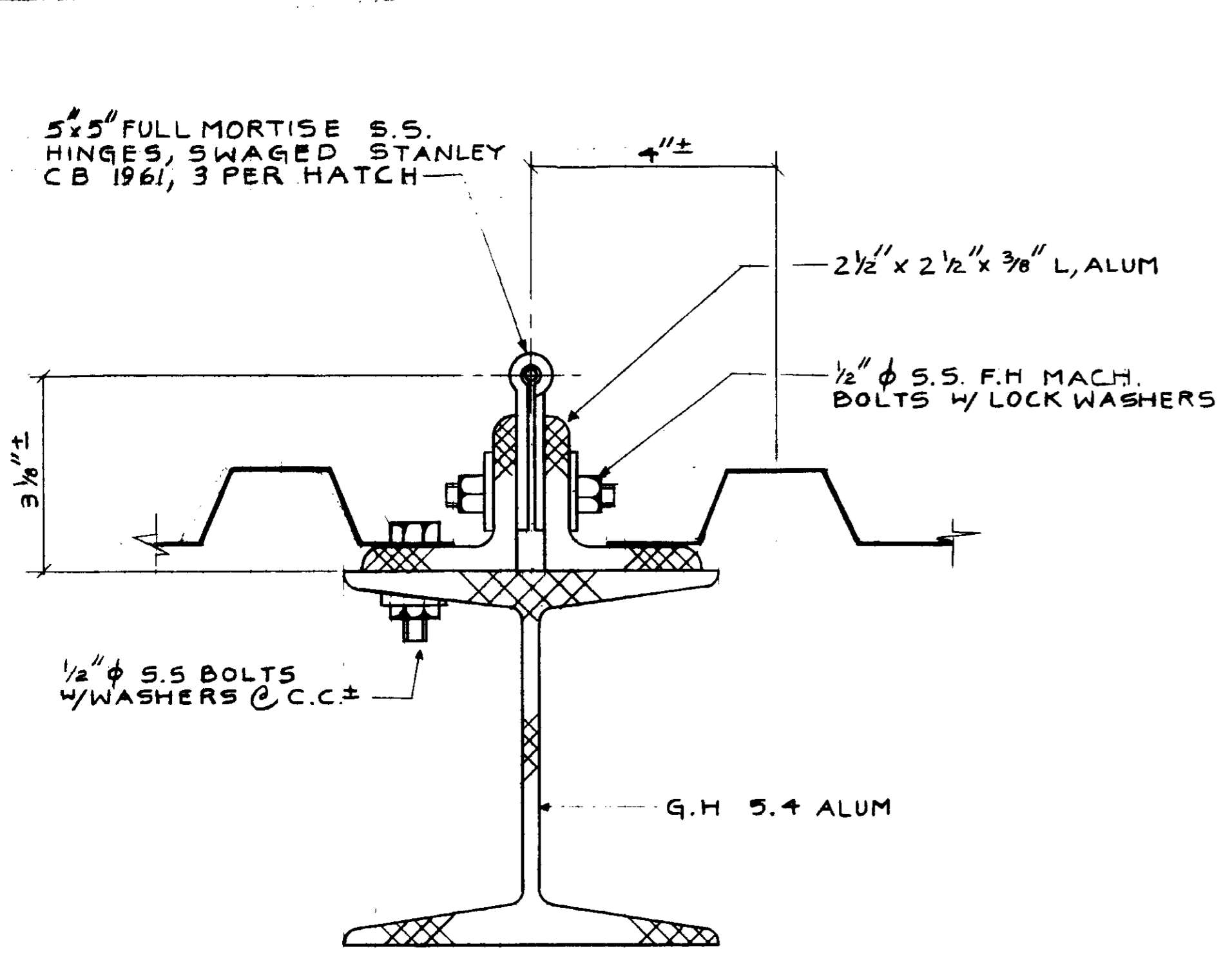
RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS
RCE 14088
March 1985

BY: YK/CL
DATE: 2/22/83

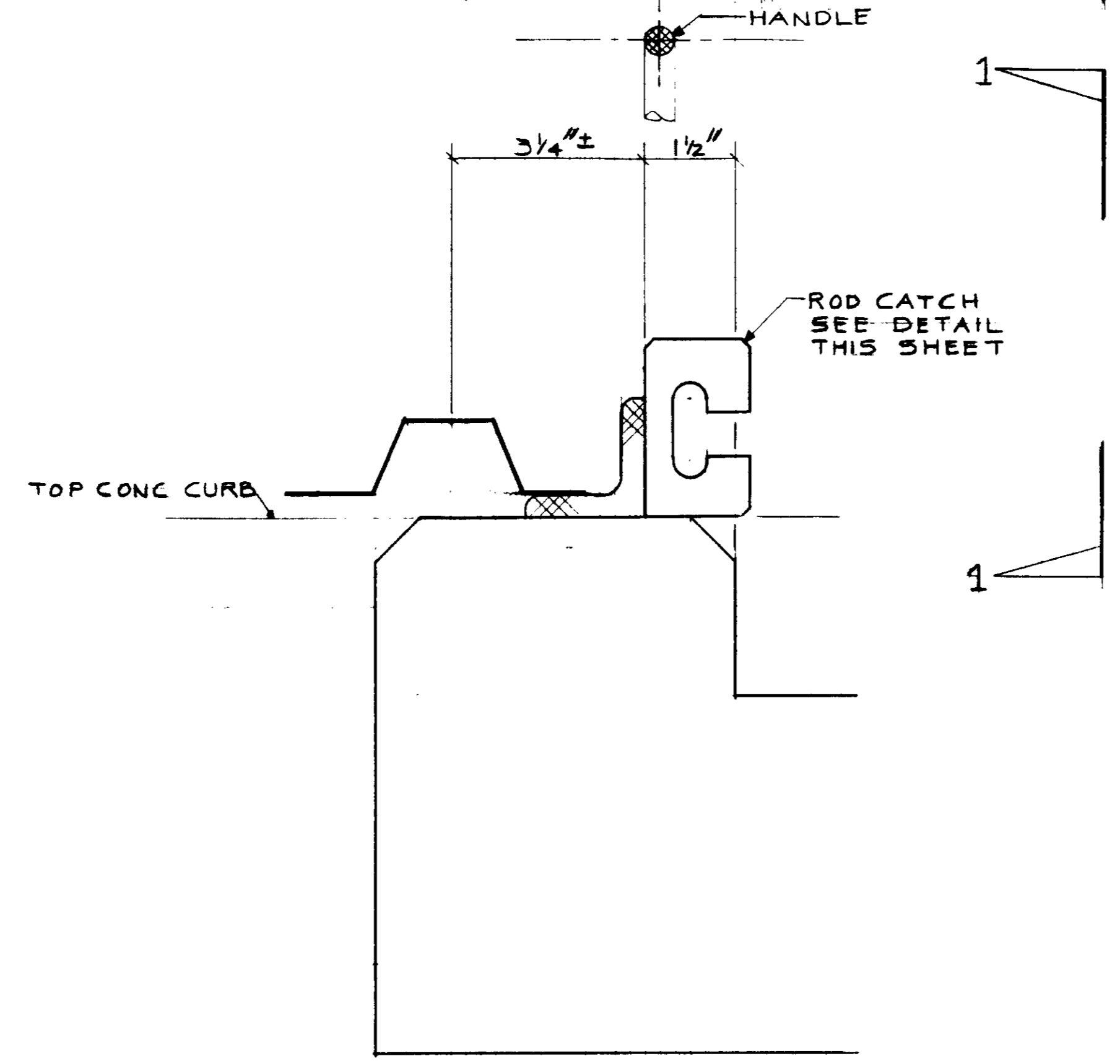
KATSURA
CONSULTING ENGINEERS

PRIMARY SEDIMENTATION TANK
ALUMINUM COVER DETAILS - II

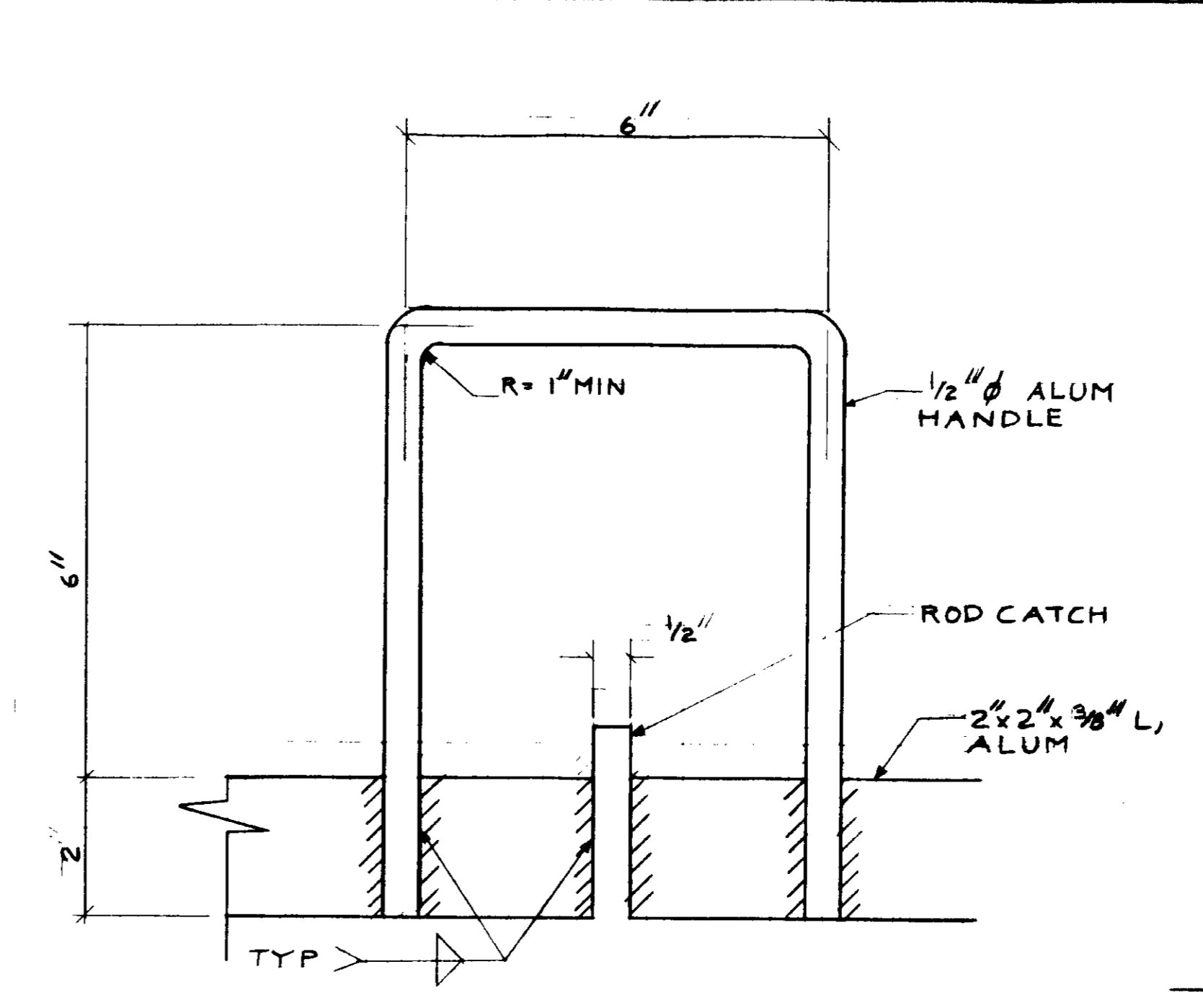
SHEET
MM-13C



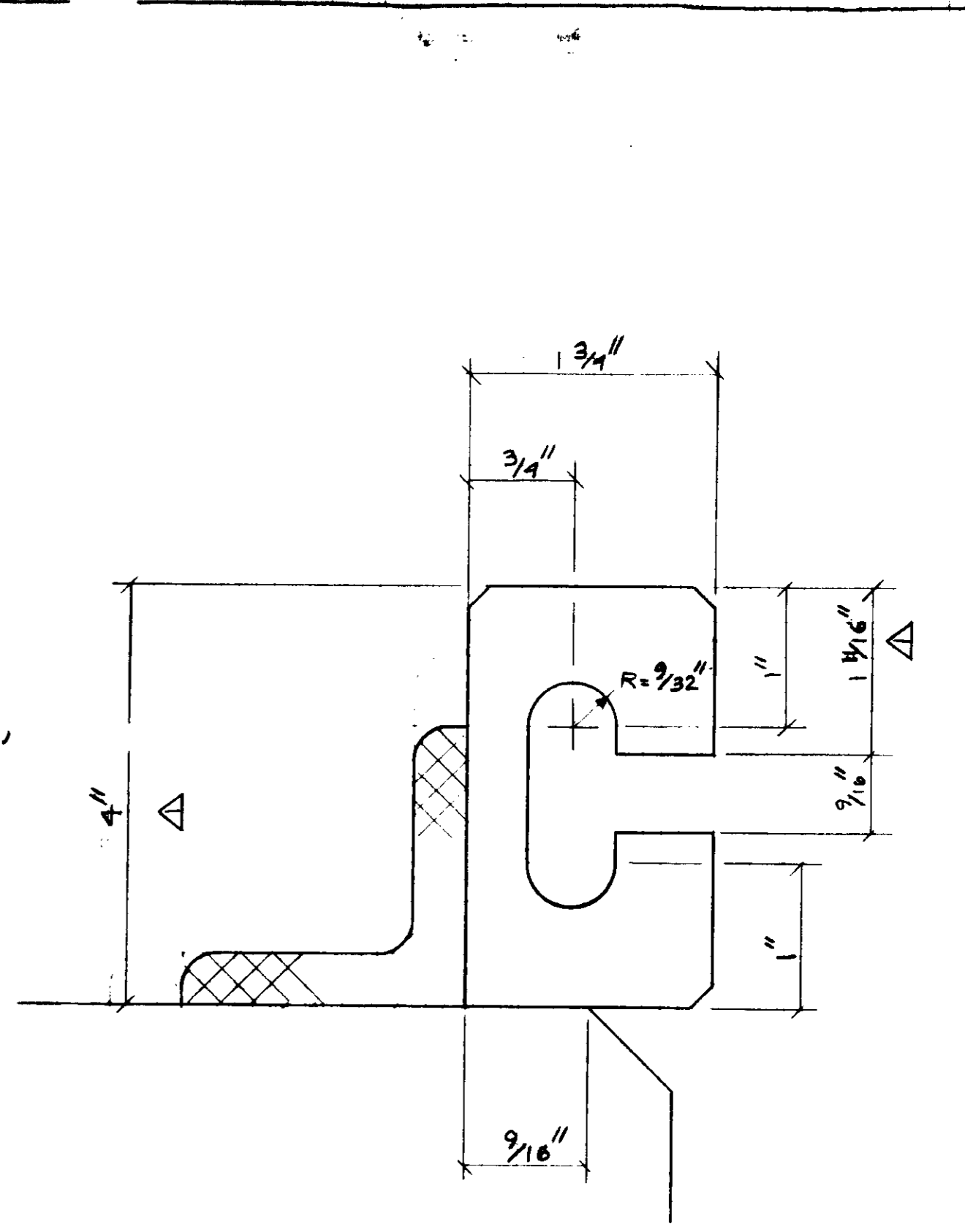
DETAIL 1
NO SCALE



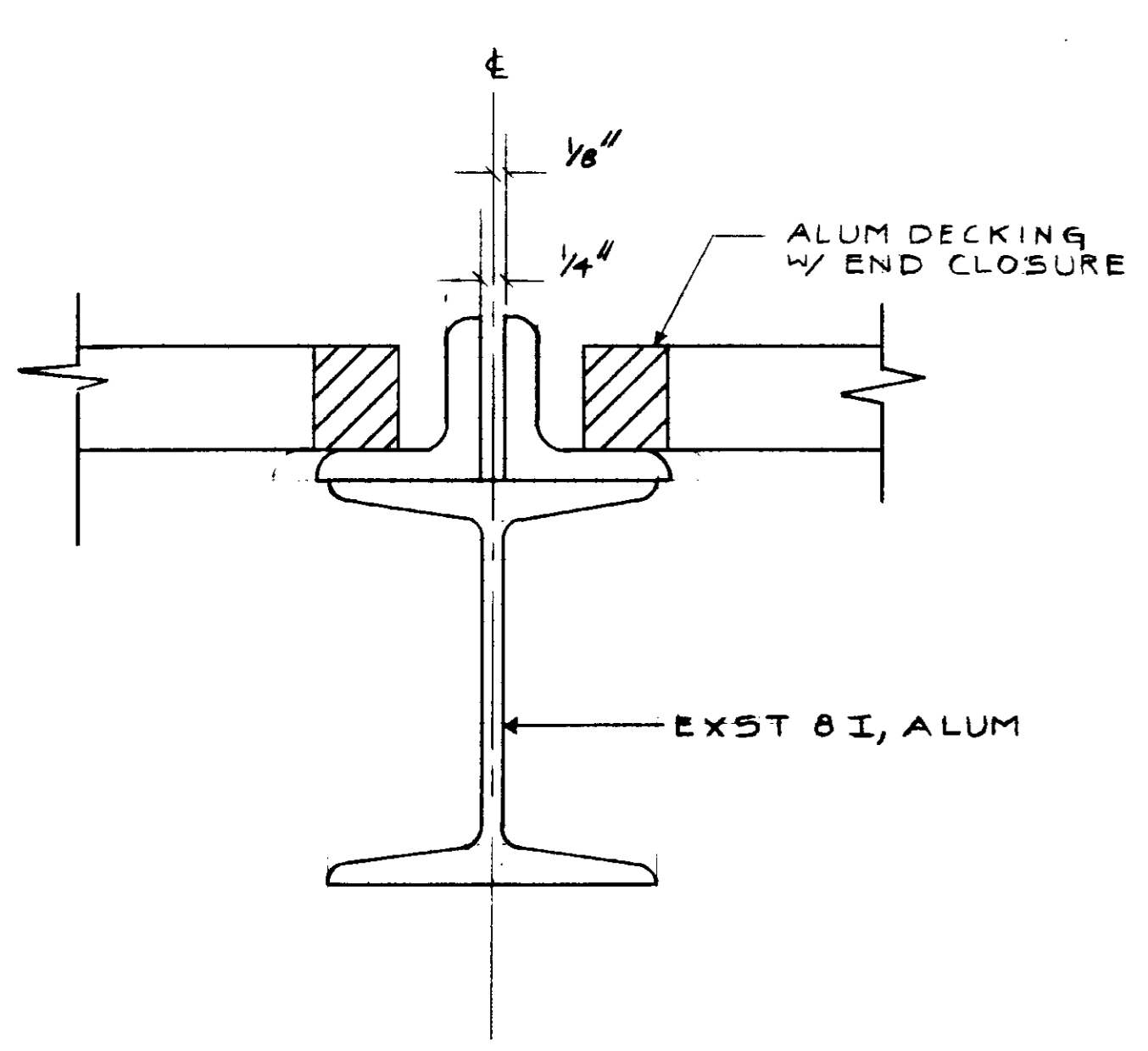
DETAIL 2
NO SCALE



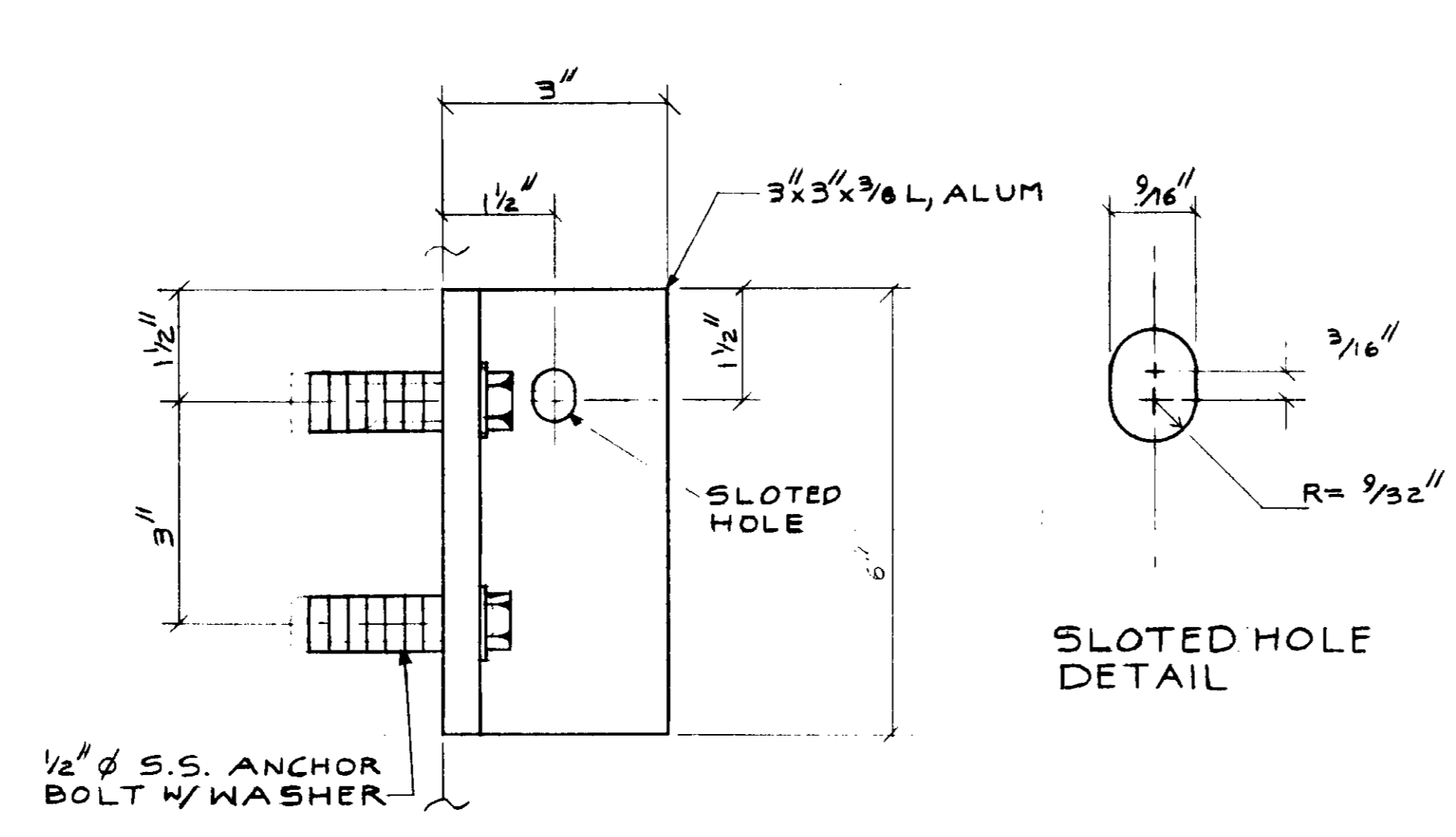
VIEW 1
NO SCALE



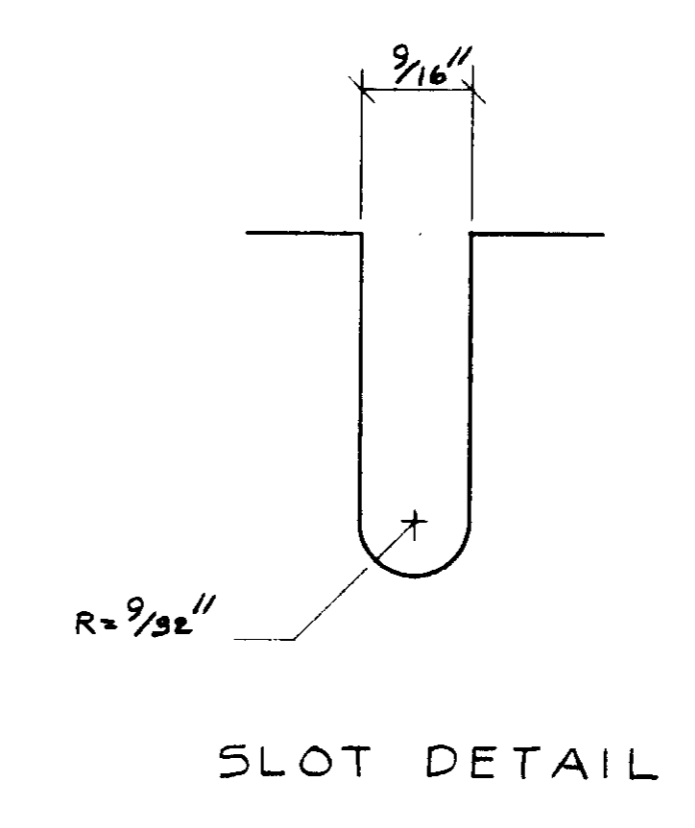
ROD CATCH
NO SCALE



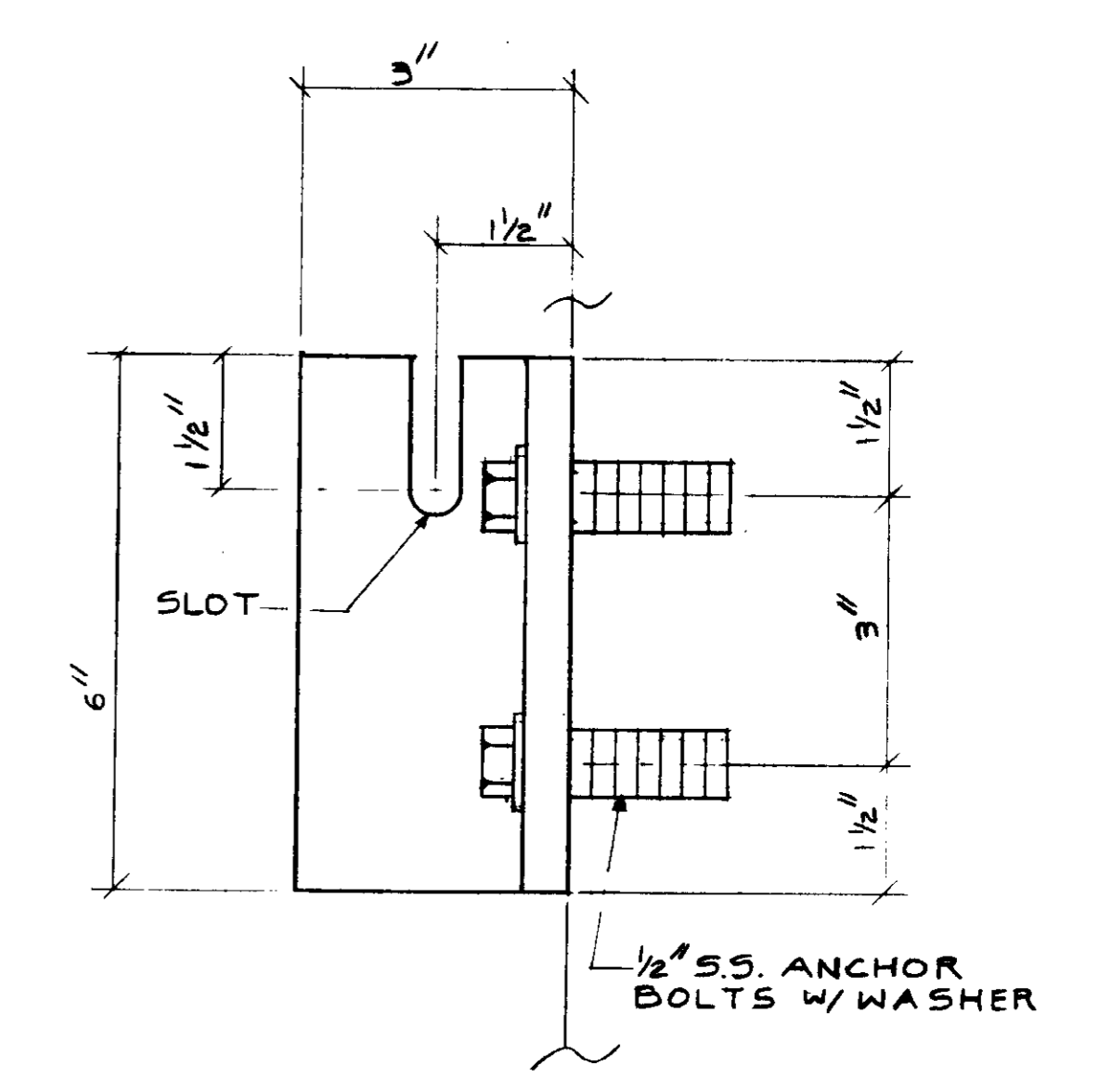
DETAIL 5
NO SCALE



DETAIL 3
NO SCALE



SLOT DETAIL



DETAIL 4
NO SCALE

03221

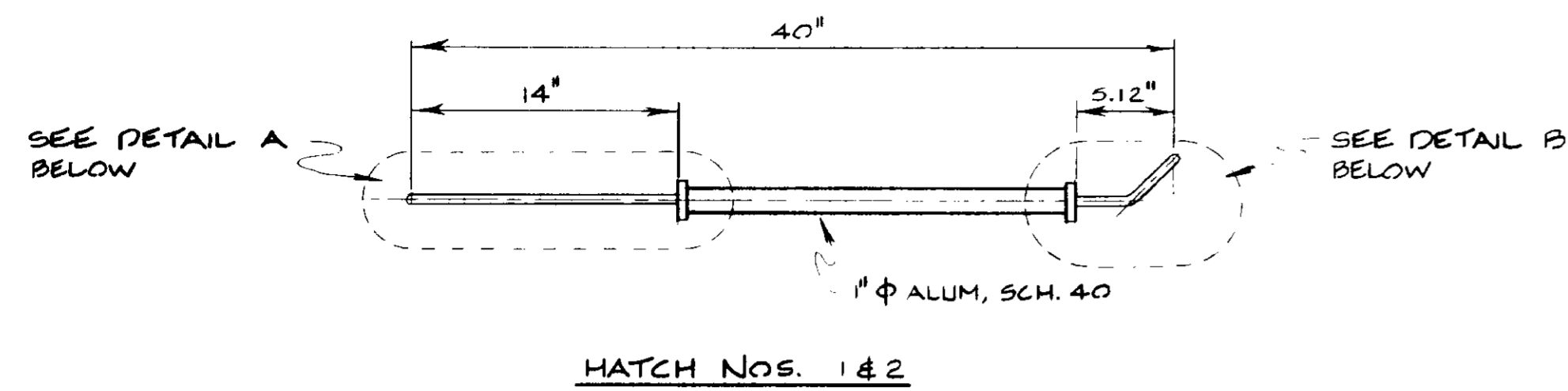
RECORD DRAWINGS
Per Field Information Provided By Merley-Ziebarth & Alber
[Signature]
KATSUMA CONSULTING ENGINEERS March 1988

BY: YK/GCL
DATE: 2/22/83

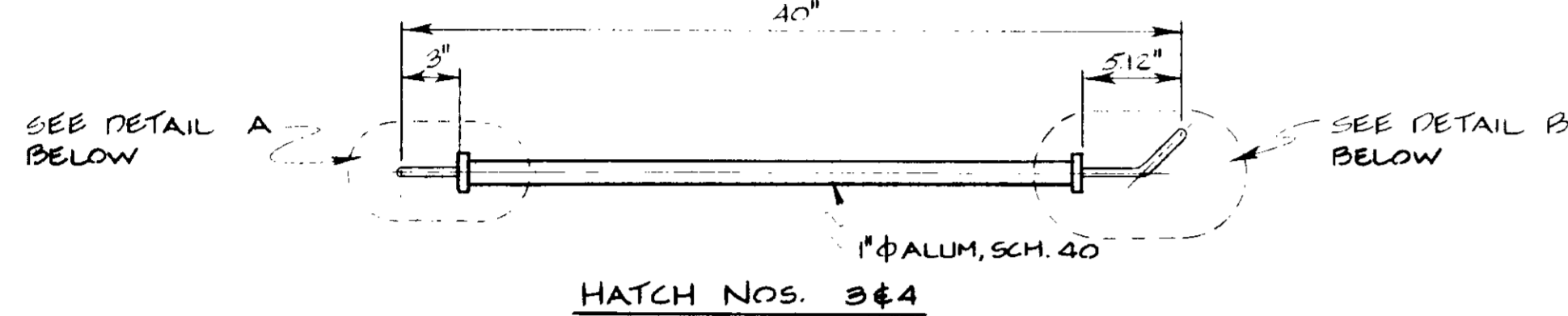
KATSURA
CONSULTING ENGINEERS

PRIMARY SEDIMENTATION TANK
ALUMINUM COVER DETAILS - III

SHEET
MM-13D

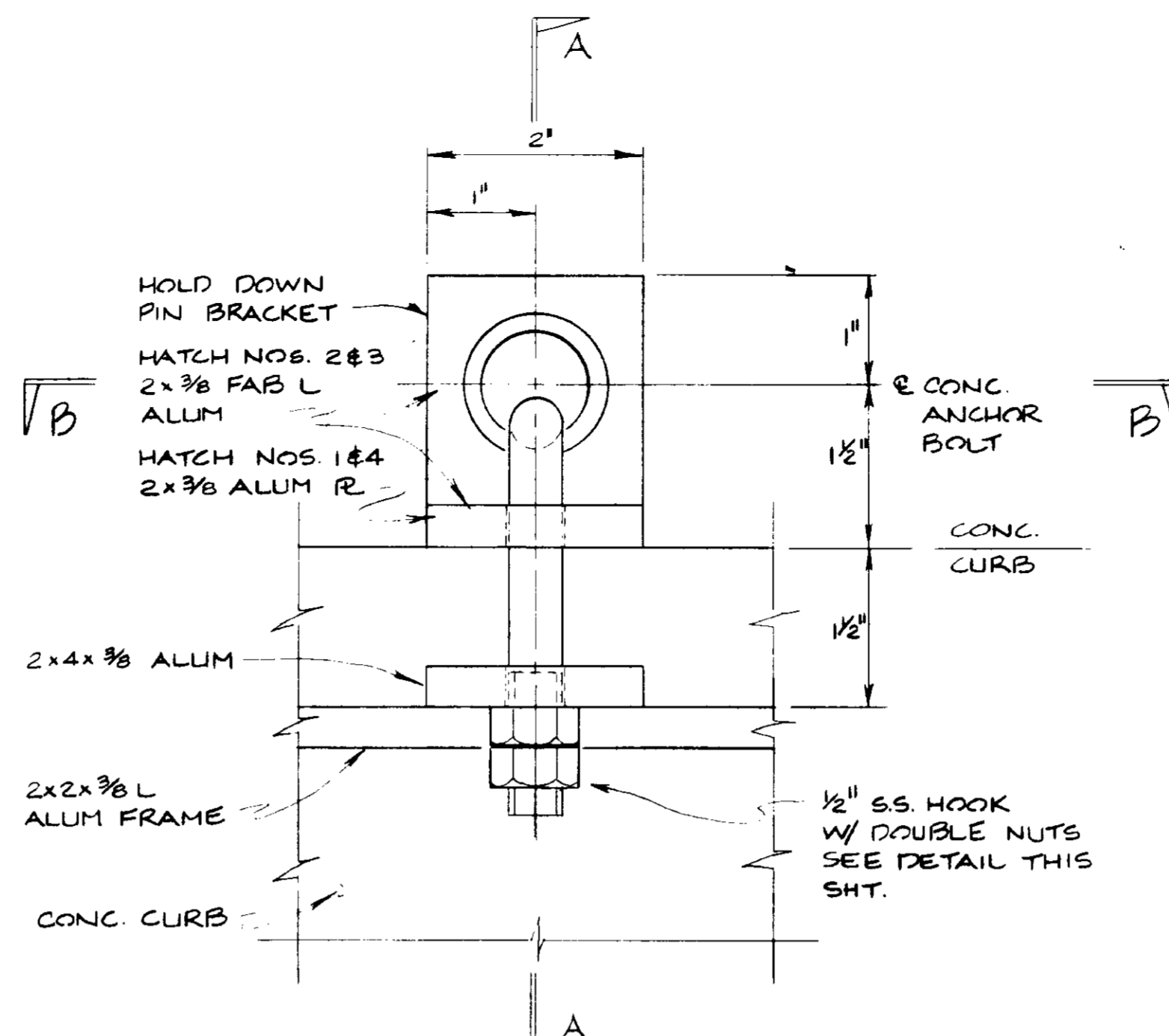


HATCH NOS. 1 & 2

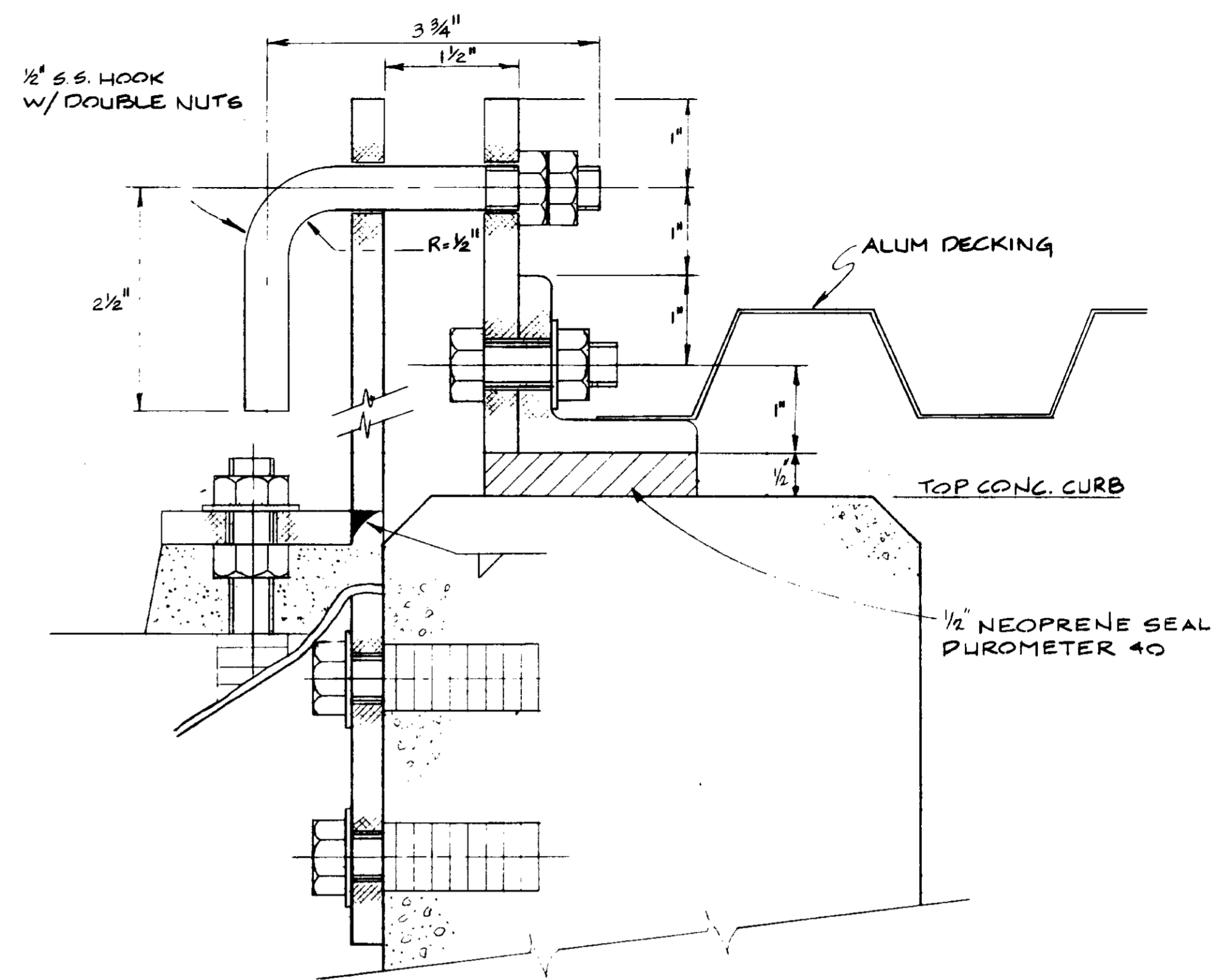


HATCH NOS. 3 & 4

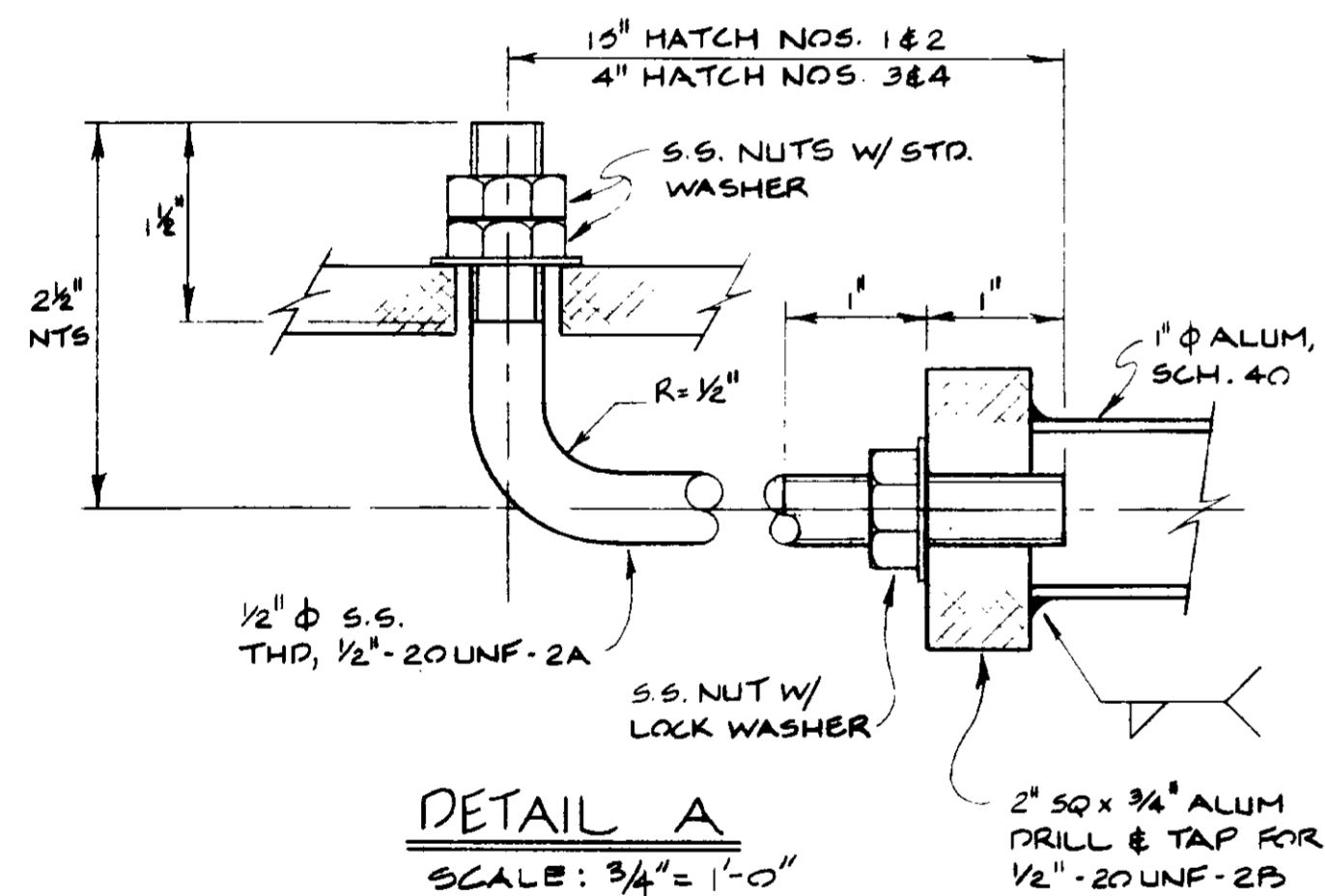
DETAIL 6
SCALE: 1 1/2" = 1'-0"



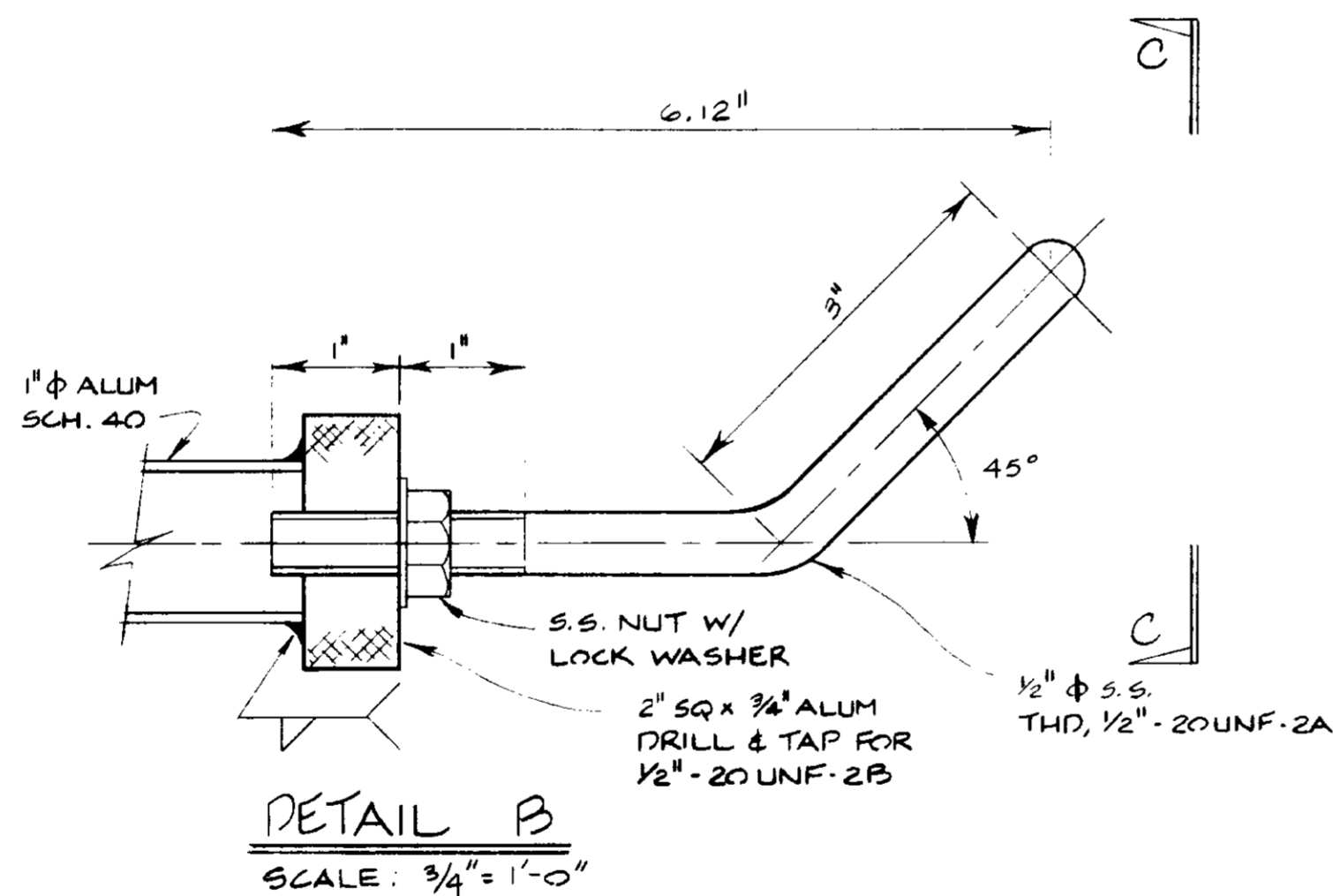
DETAIL 7
PLAN - HATCH HOLD DOWN HOOK
SCALE: 3/4" = 1'-0"



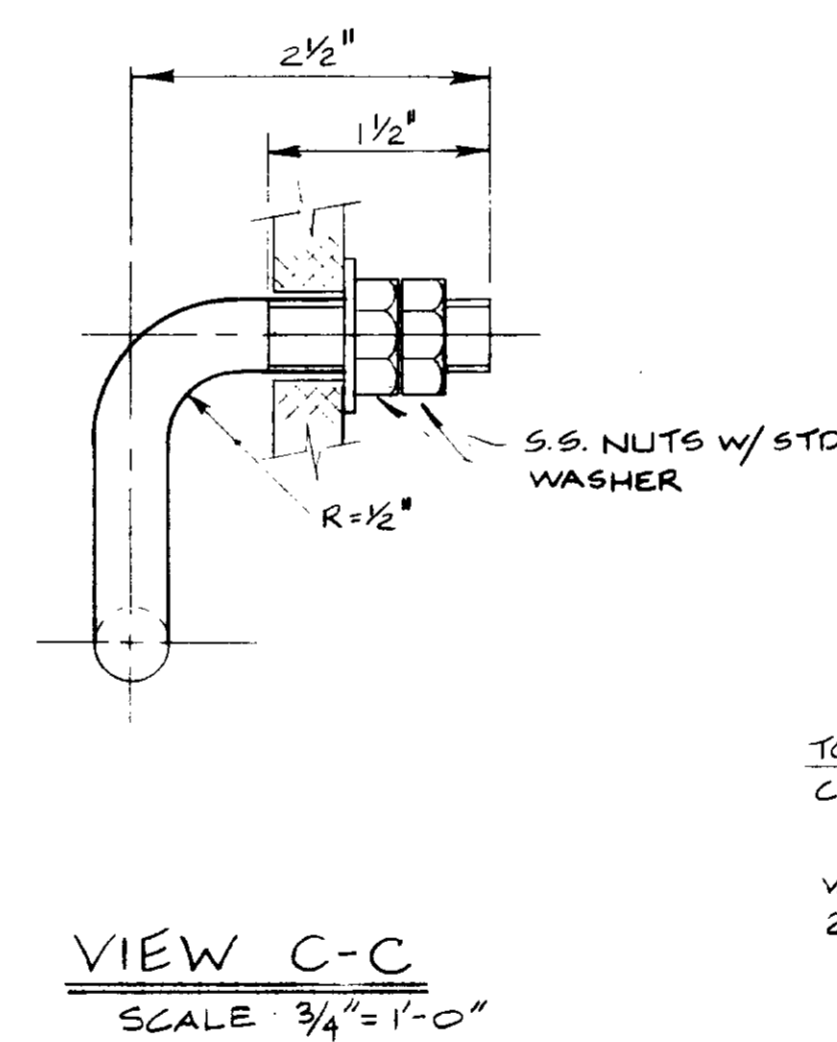
SECTION A-A
SCALE: 3/4" = 1'-0"



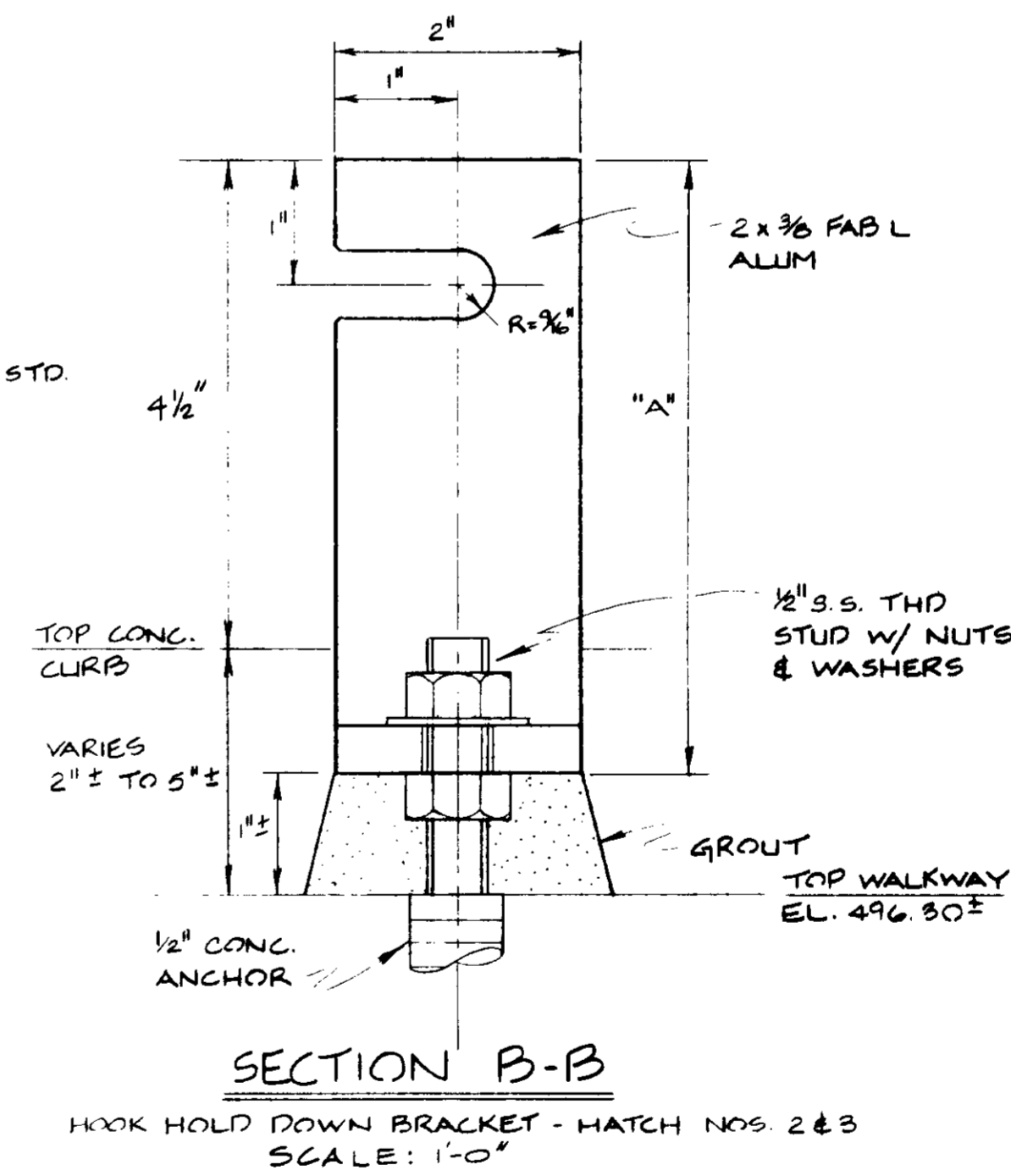
DETAIL A
SCALE: 3/4" = 1'-0"



DETAIL B
SCALE: 3/4" = 1'-0"

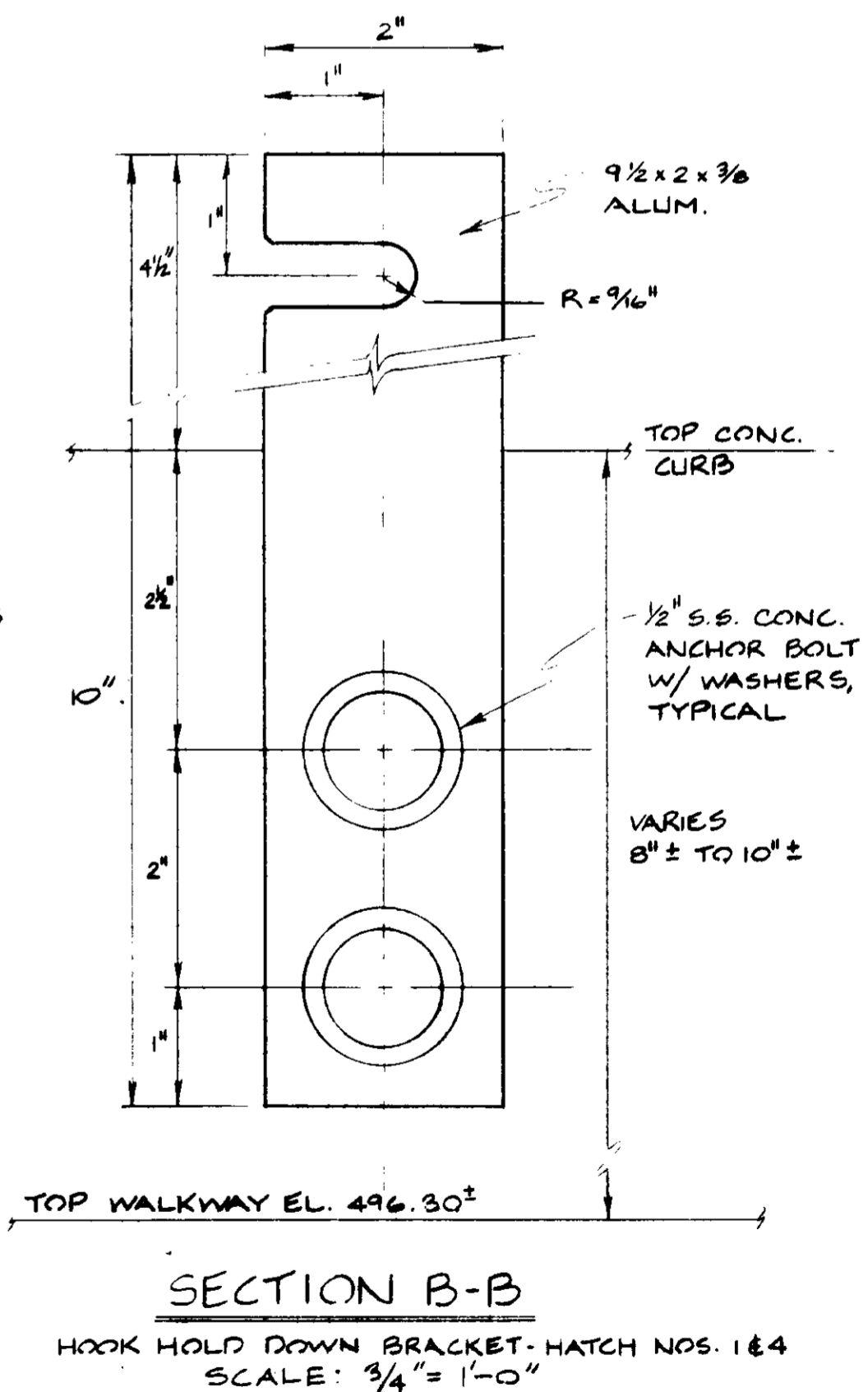


VIEW C-C
SCALE: 3/4" = 1'-0"



SECTION B-B
HOOK HOLD DOWN BRACKET - HATCH NOS. 2 & 3
SCALE: 1'-0"

HATCH	"A" DIMENSION
HATCH NO. 2 NORTH BRACKET	7"
SOUTH BRACKET	8 3/4"
HATCH NO. 3 NORTH BRACKET	7 1/2"
SOUTH BRACKET	5 1/2"



SECTION B-B
HOOK HOLD DOWN BRACKET - HATCH NOS. 1 & 4
SCALE: 3/4" = 1'-0"

03222

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS
RCE 14038
March 1985

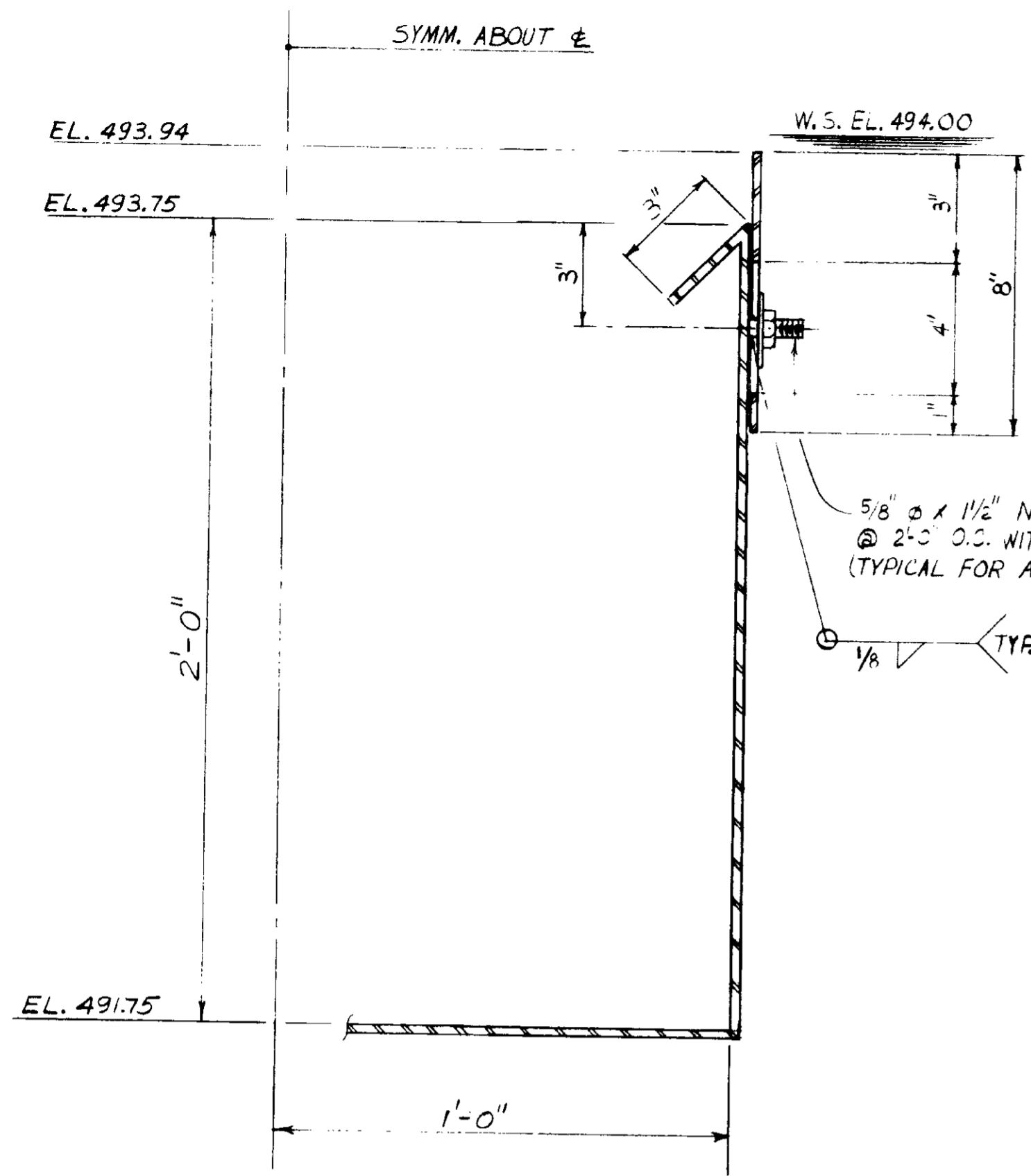
BY: YK/JL
DATE: 2/22/83

KATSURA
CONSULTING ENGINEERS

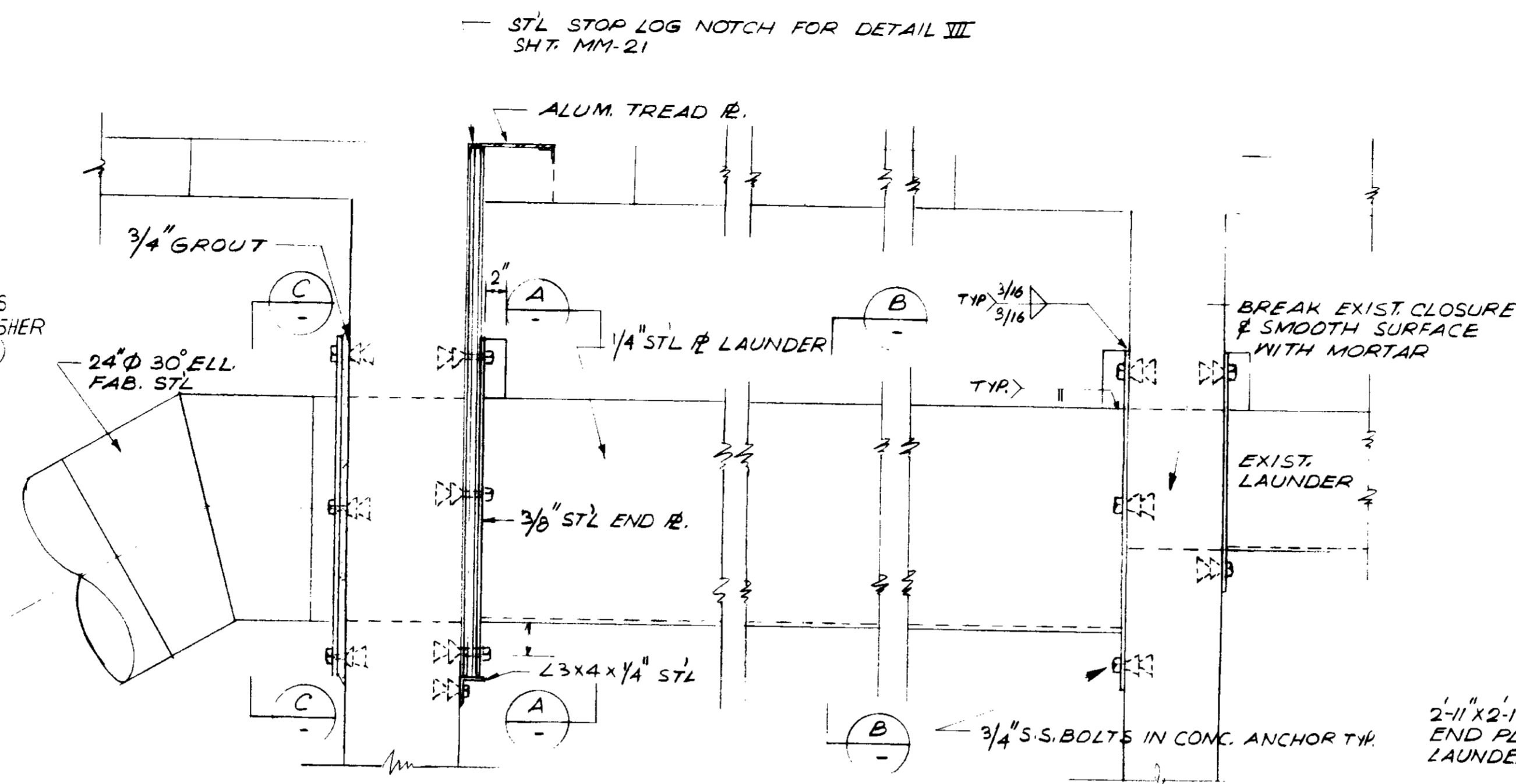
PRIMARY SEDIMENTATION TANK
ALUMINUM COVER DETAILS - IV

SHEET
MM-13E

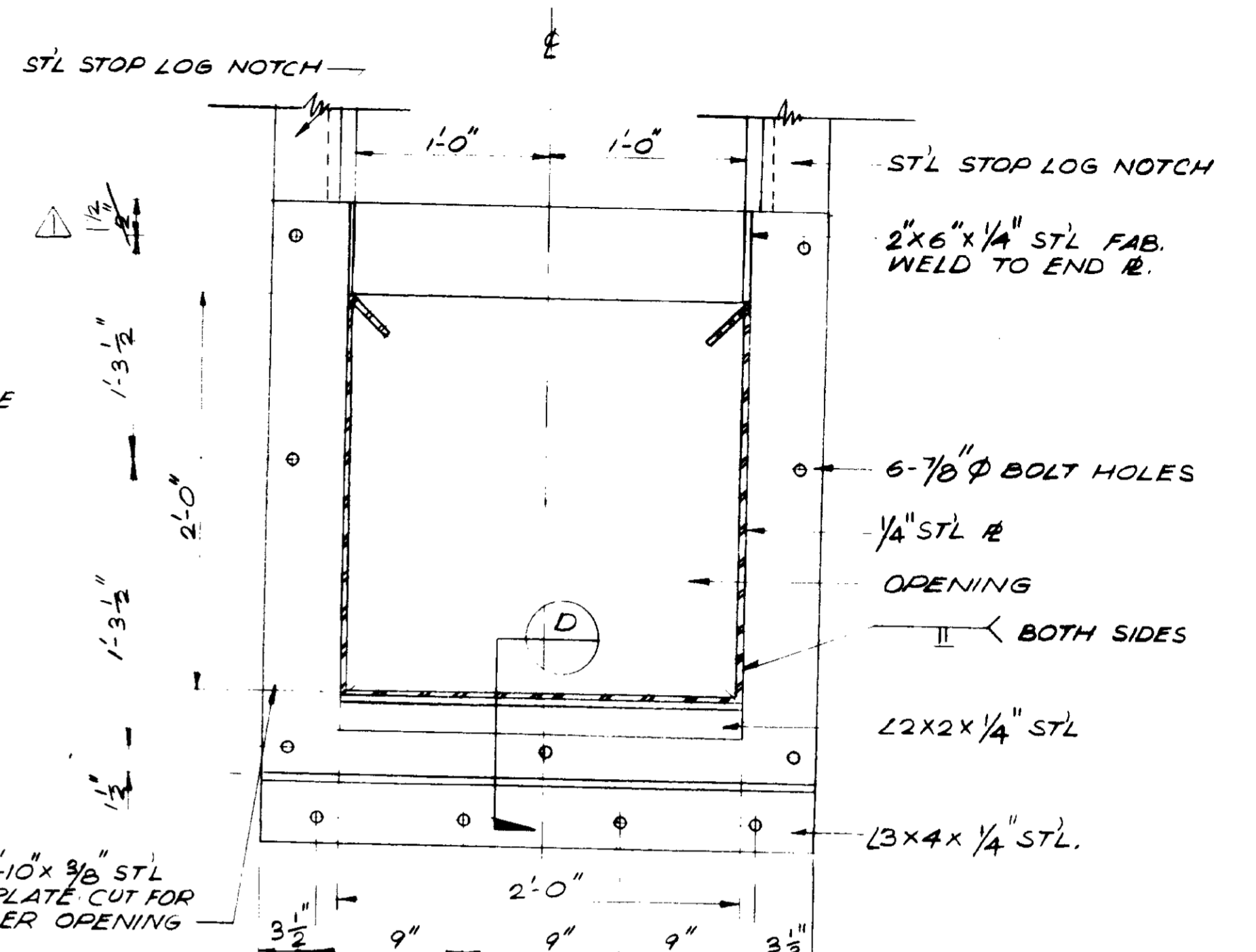
SHT. B OF 2A



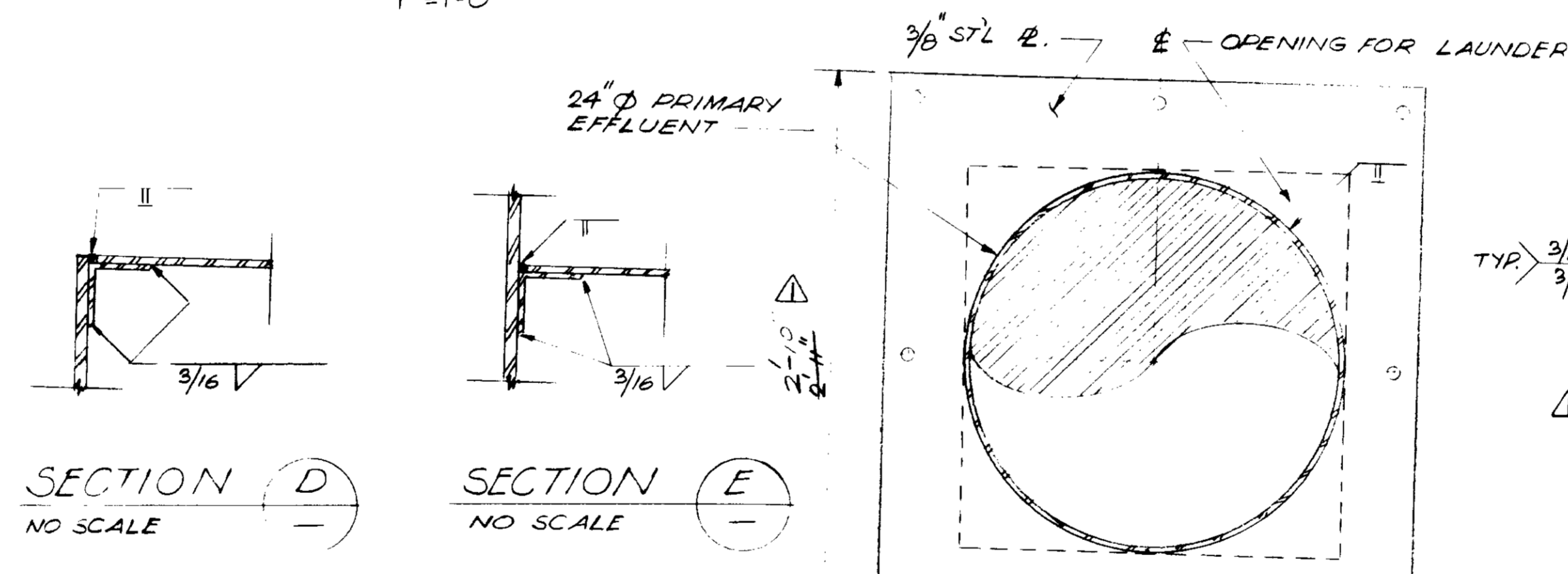
PRIMARY LAUNDER
SCALE: 3" = 1'-0"



TYPICAL LAUNDER WALL END
PLATE DETAIL
1" = 1'-0"

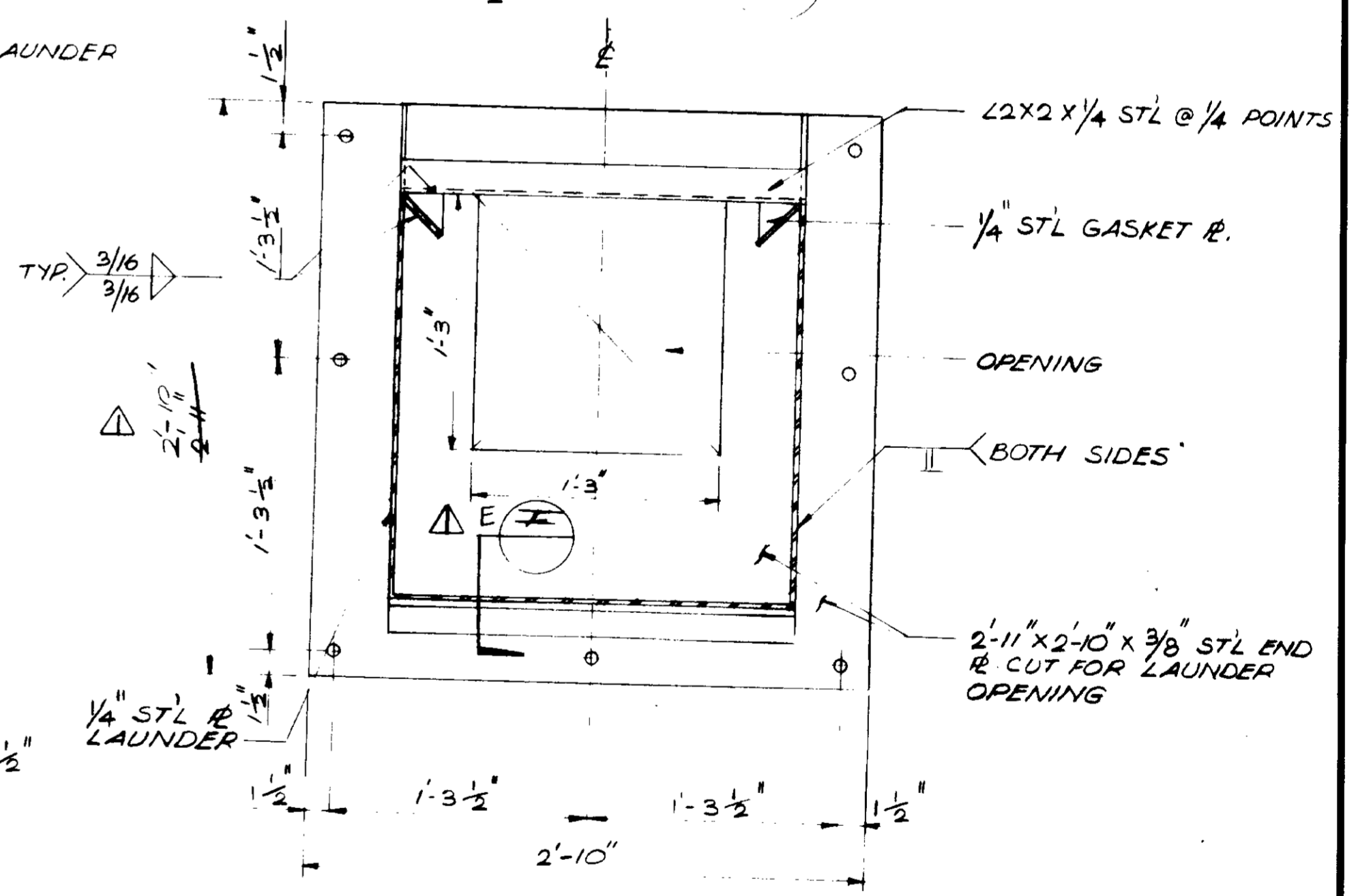


SECTION A
1/2" = 1'-0"

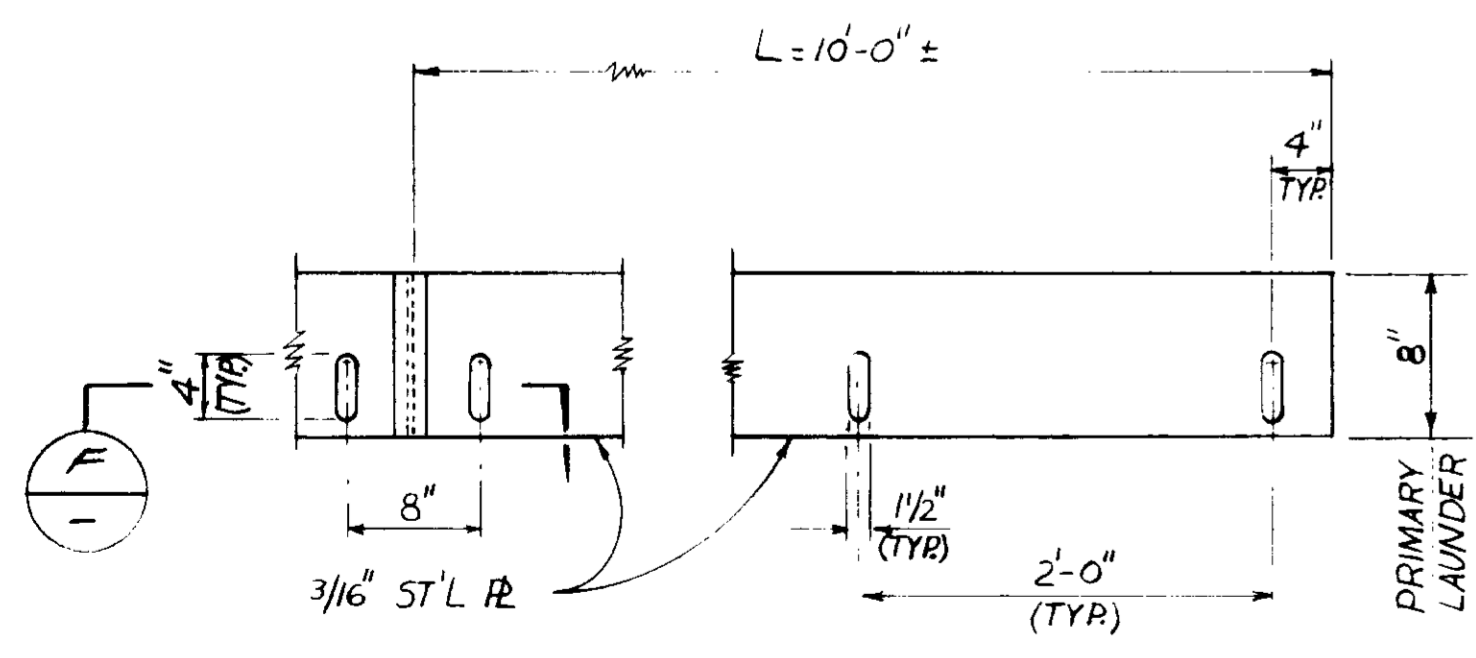


SECTION D
NO SCALE

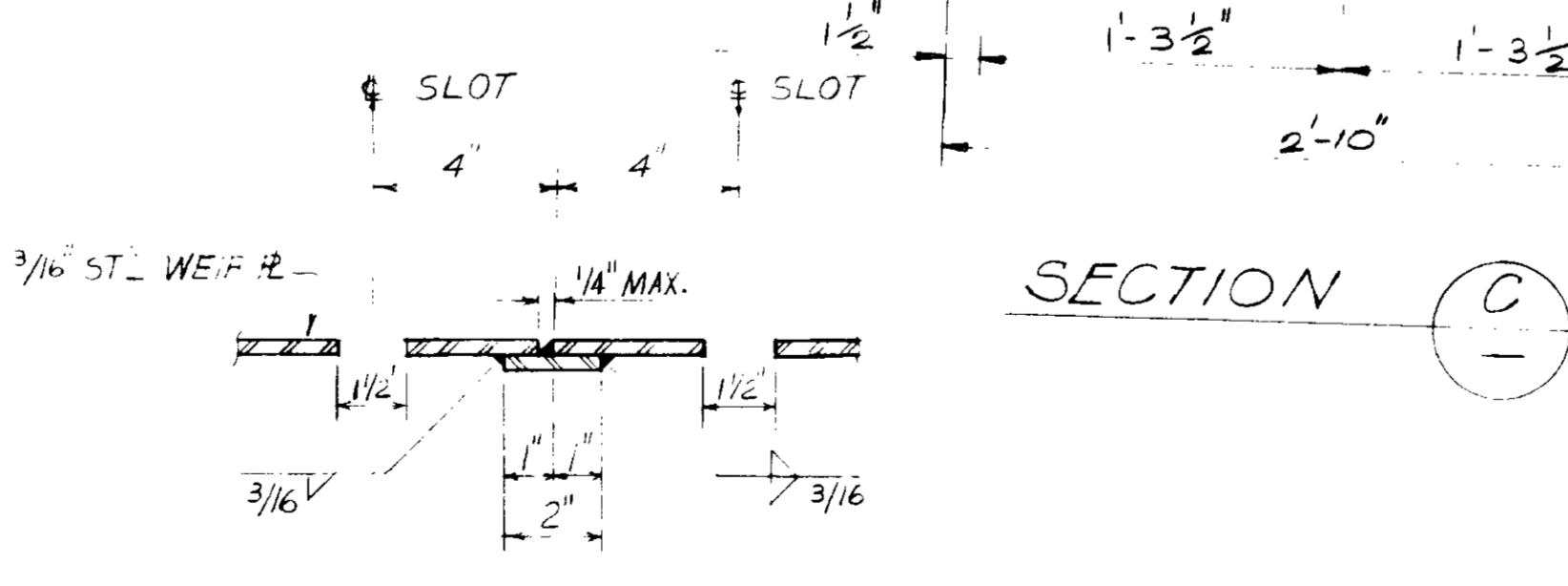
SECTION E
NO SCALE



SECTION B
1/2" = 1'-0"



LAUNDER WEIR PLATE
SCALE: 1" = 1'-0"



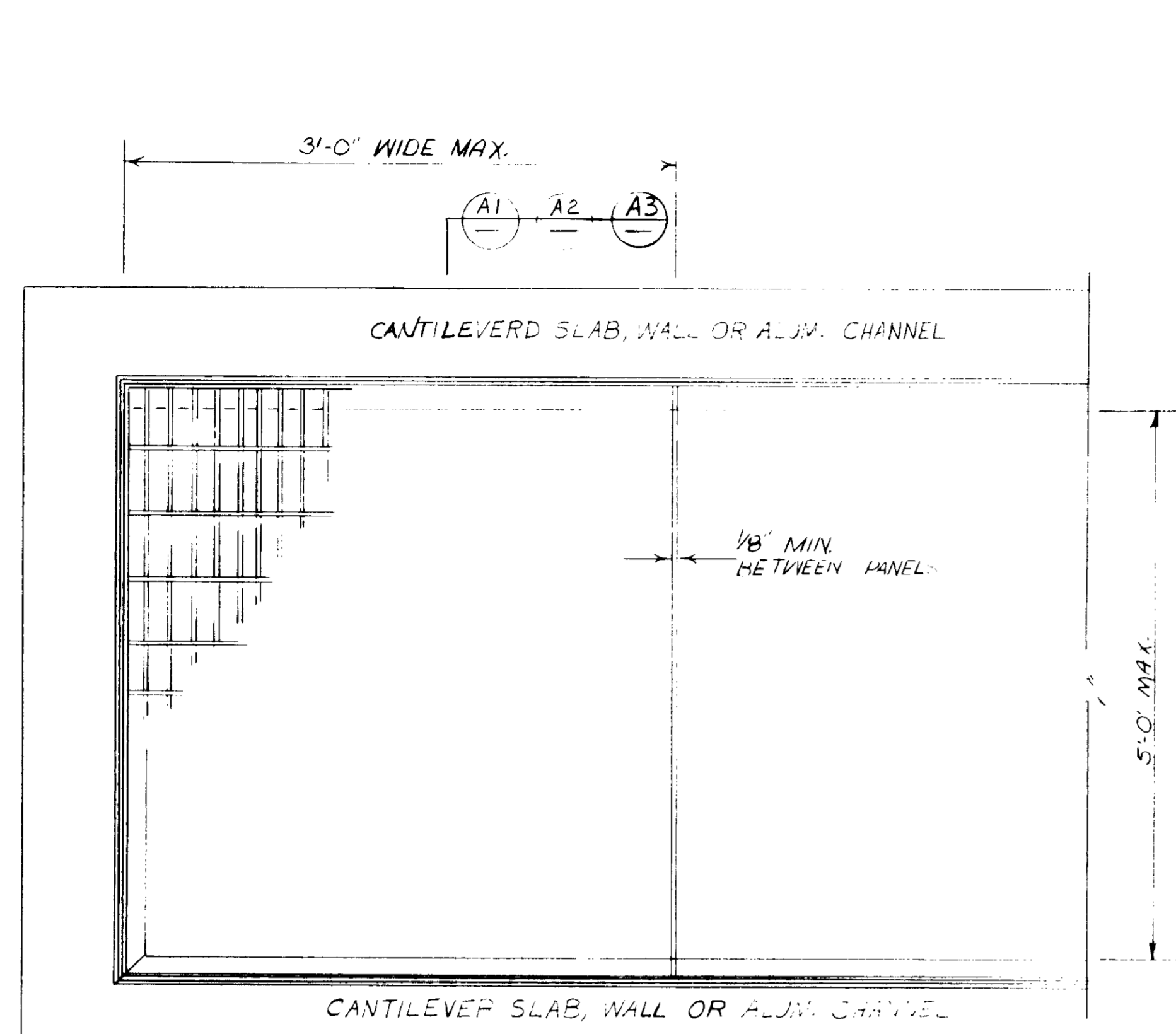
SECTION C
1" = 1'-0"

SECTION F
3" = 1'-0"

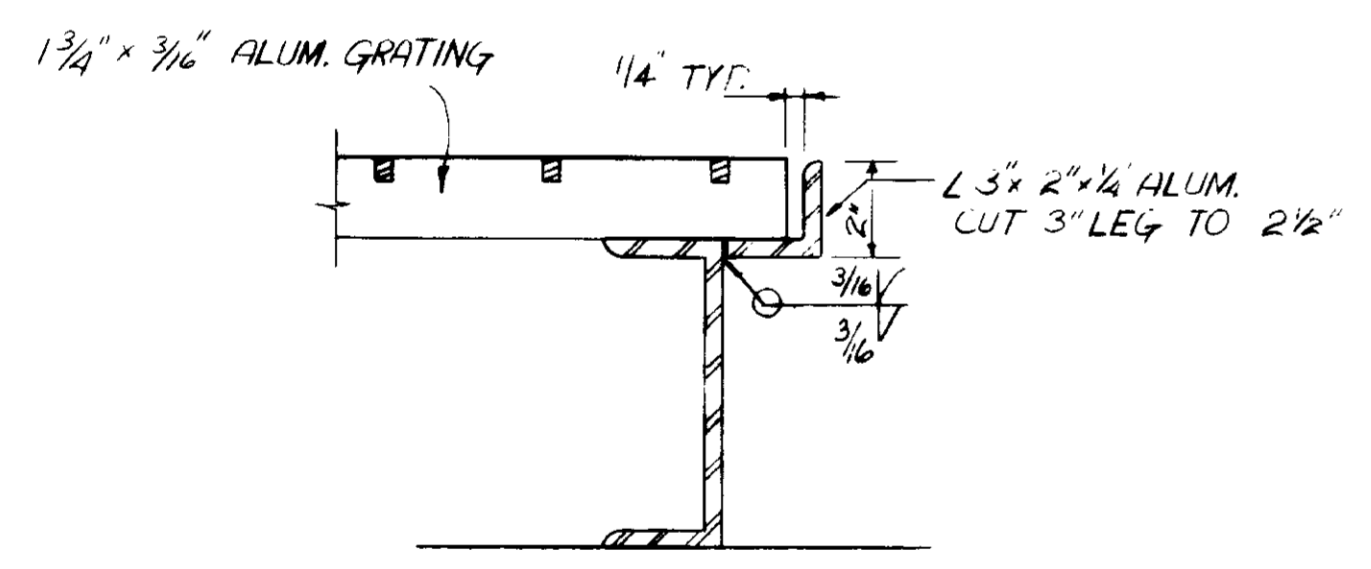
RECORD DRAWINGS
Per Field Information Provided By Morley-Zloberth & Alper
[Signature]
RCE 14038
KATSURA CONSULTING ENGINEERS
March 1966

03223

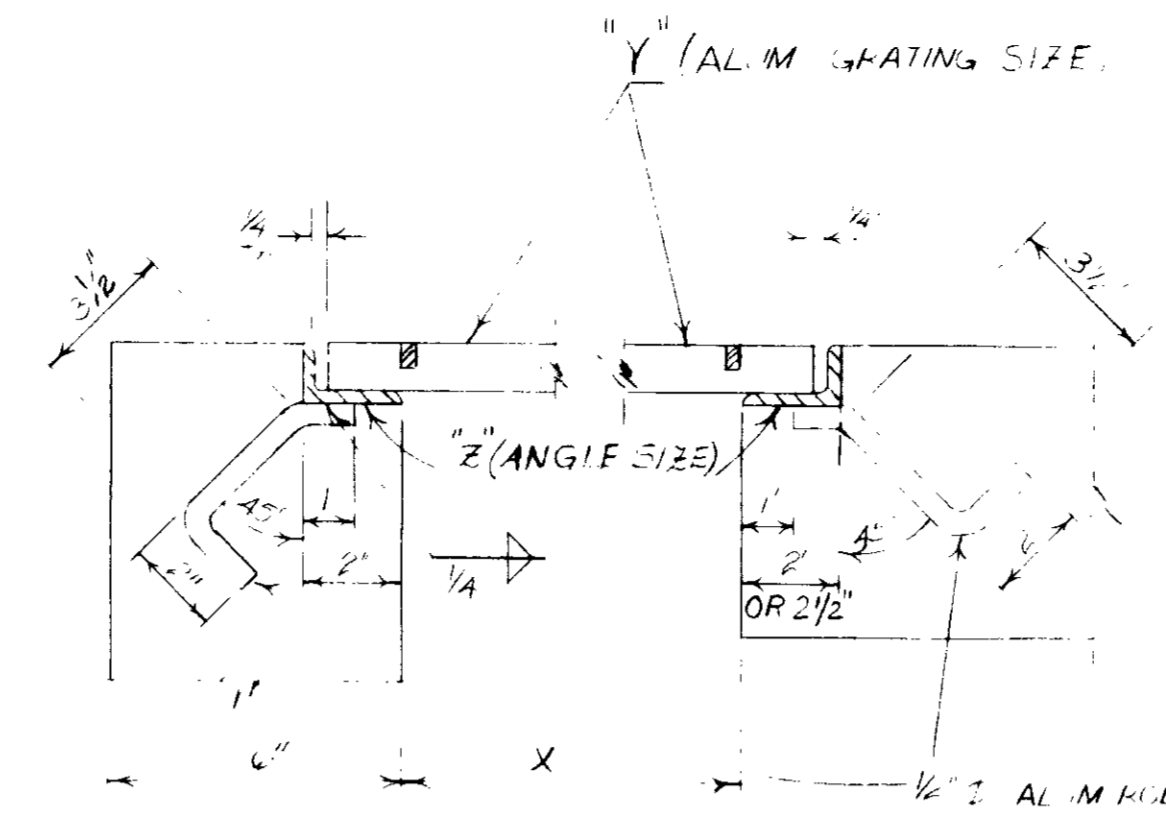
SCALE: AS NOTED		DWV. DESIGNED: DWV	DESIGNED: DWV	PROJECT MANAGER: <i>[Signature]</i> 14038 8/15/79	<p>CONSULTING ENGINEERS JOINT VENTURE 5501 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 933 9117</p>	<p>LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.</p>	<p>MISCELLANEOUS METALS PRIMARY EFFLUENT LAUNDER</p>	<p>SHEET MM-14</p>
REV. DATE BY DESCRIPTION	REV. DATE BY DESCRIPTION	DRAWN: S.K.	CHECKED: S.K.	PROJECT ADMINISTRATOR: <i>[Signature]</i> 14894 8/15/79				



TYPICAL GRATING PLAN
SCALE: 1/2"=1'-0"

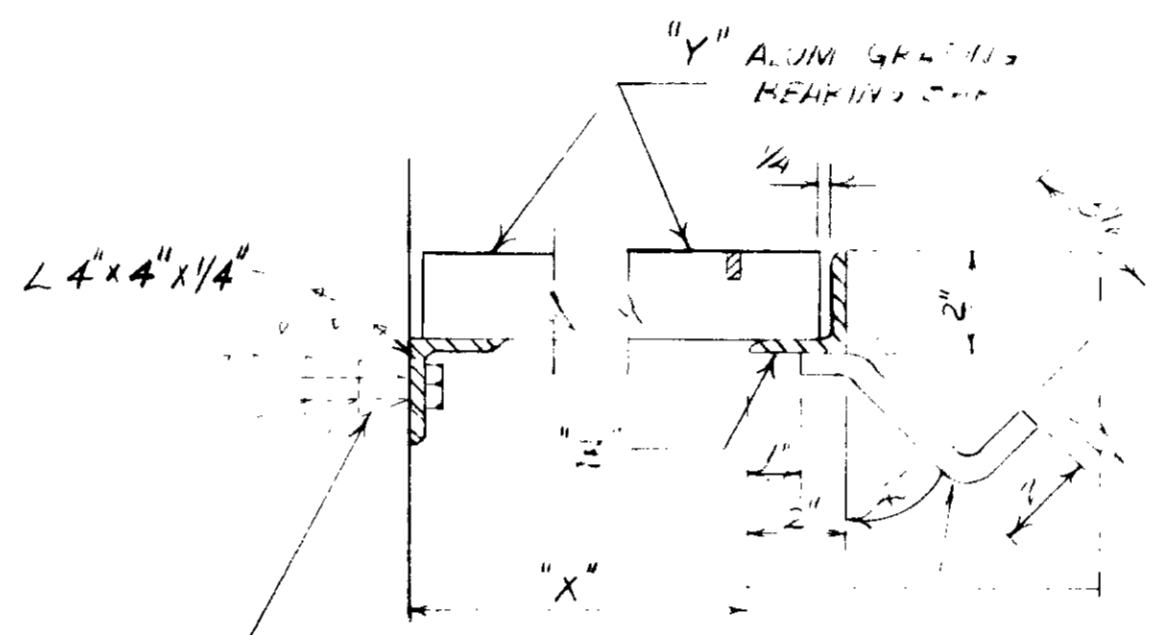


SECTION 5

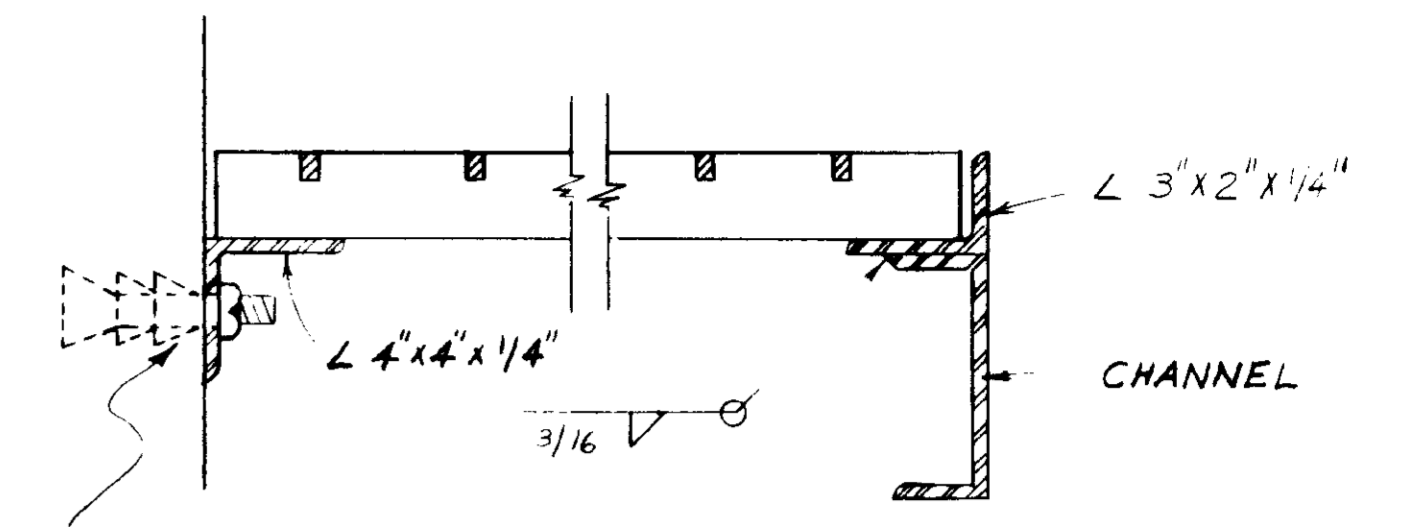


SECTION A1

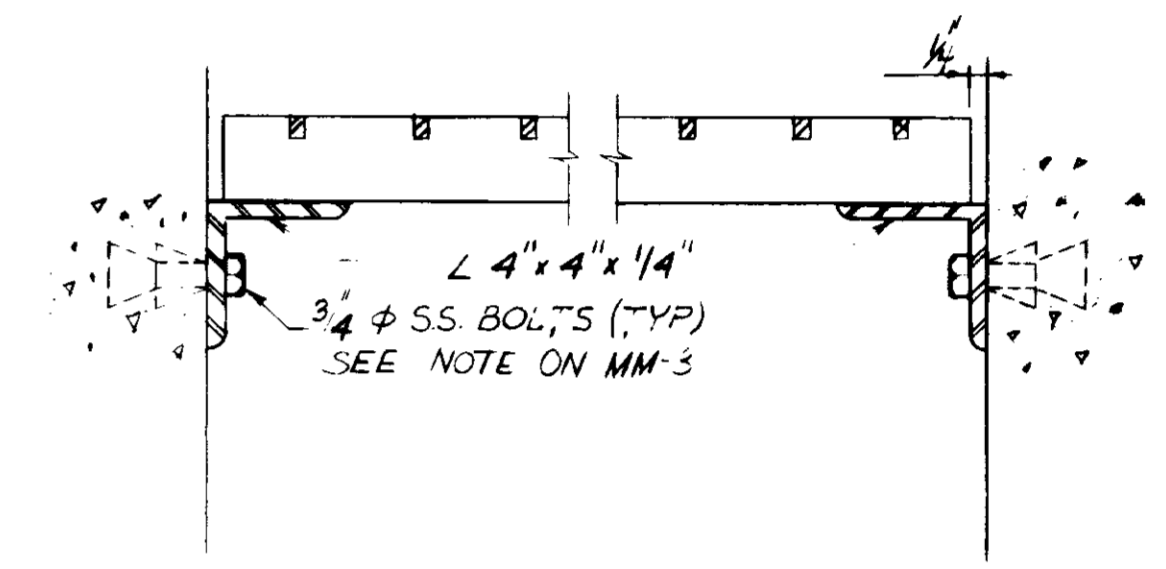
X	Y	Z
3' MAX	1 1/4" x 3/16"	2" x 1 1/2" x 1/4"
5' MAX	1 1/4" x 3/16"	2 1/2" x 2 1/4"



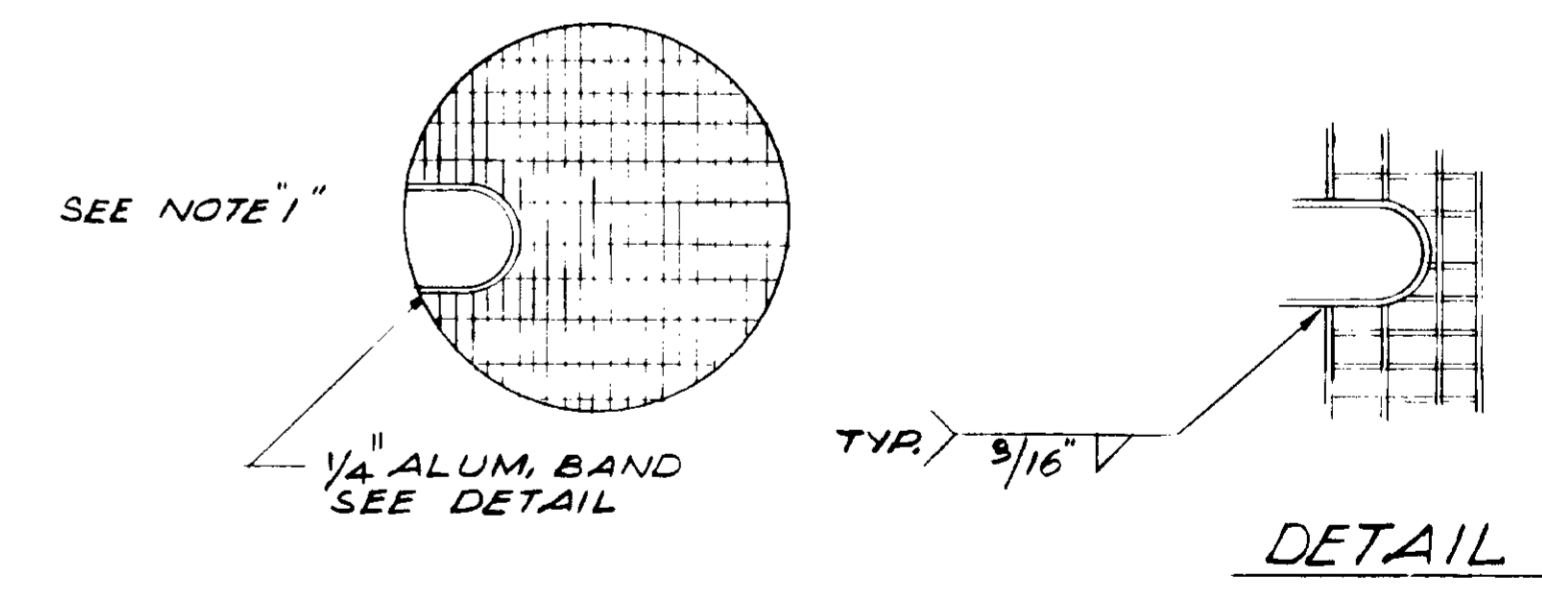
SECTION A2



SECTION A3
SCALE: 3/8"=1'-0"



SECTION A4



NOTE:

1. CUT AND BAND ALUM. GRATING TO DIMENSION SHOWN ON DRAWINGS AND/OR TO DIMENSION REQUIRED BY EQUIPMENT MANUFACTURERS. BAND SHALL BE SAME DEPTH AS GRATING.

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

Yuh Vatant
RCE 14088
MARCH 1985

03224

REV	DATE	BY	DESCRIPTION

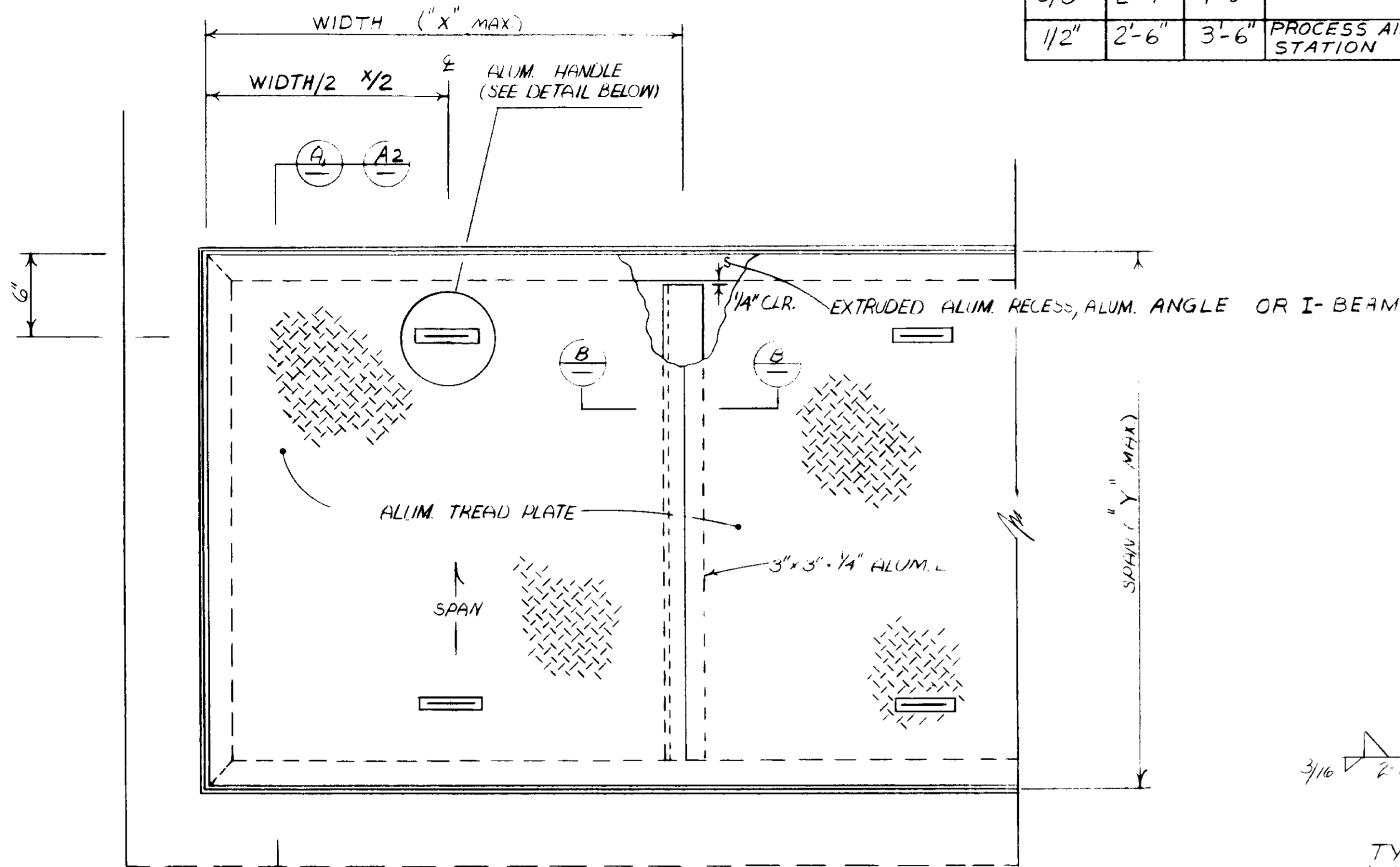
SCALE :	DWV	SUBMITTED	14038	8/15/79
AS NOTED	DESIGNED	PROJECT MANAGER	R.C.E. NO.	DATE
	DWV			
	DRAWN			
	CHECKED	PROJECT ADMINISTRATOR	14894	8/15/79
			R.C.E. NO.	DATE

JK CONSULTING ENGINEERS
A JOINT VENTURE
5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 933-9117

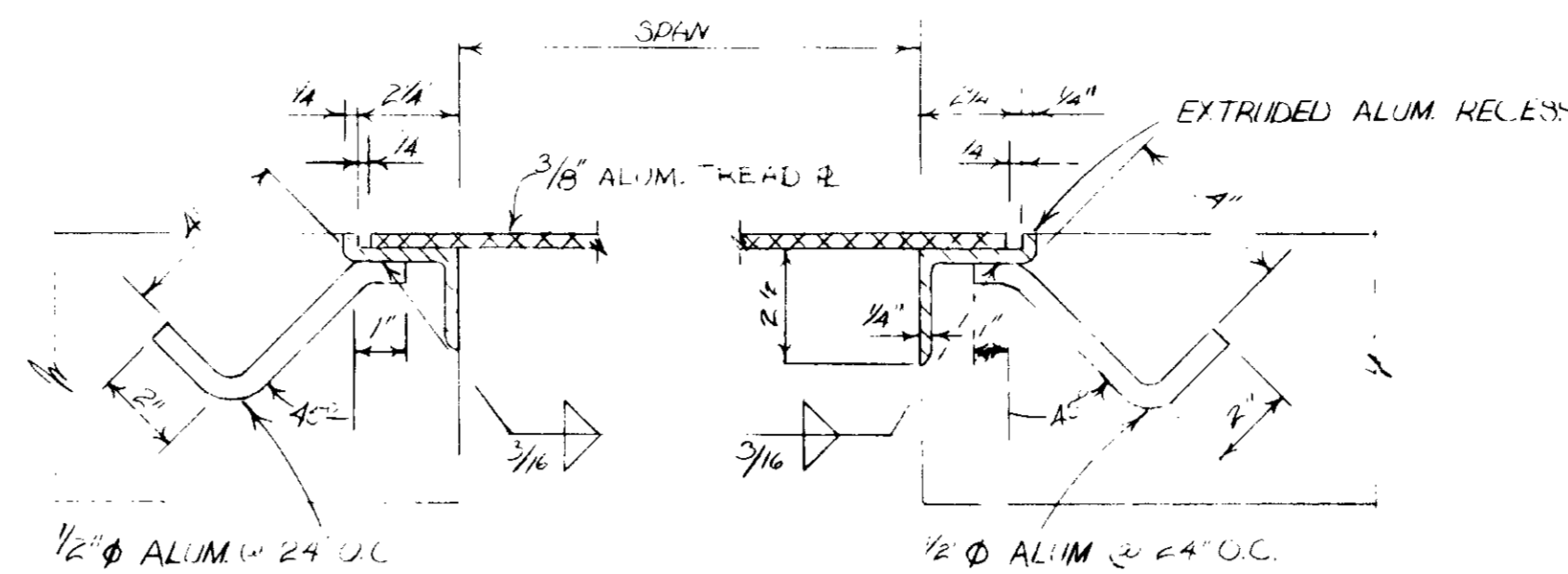
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
MISCELLANEOUS METALS
TYPICAL GRATING DETAILS

SHEET
MM-15

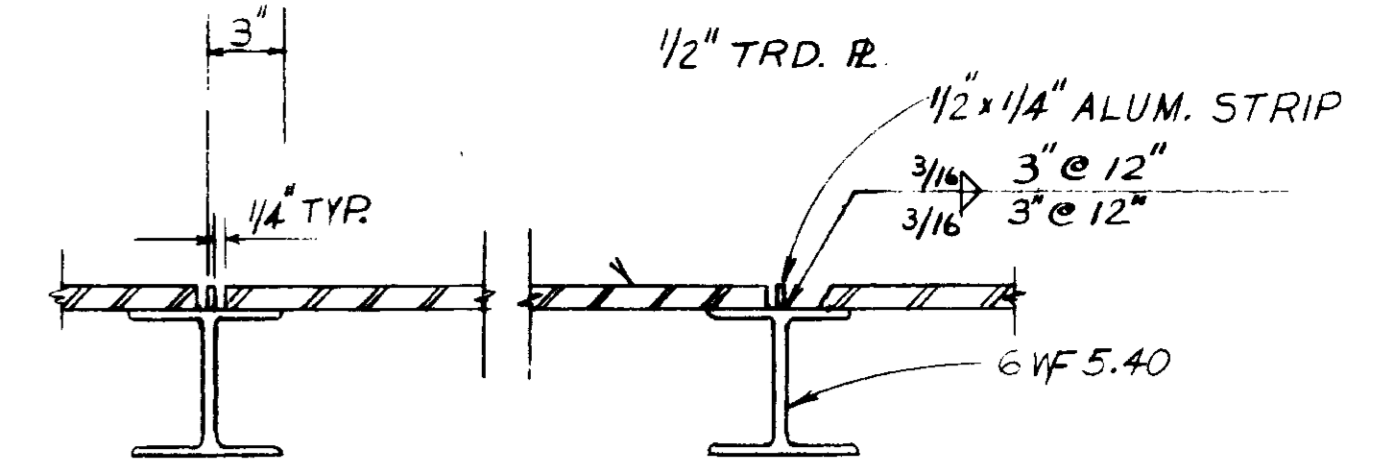
THICKNESS	X	Y	ELSWHERE
3/8"	2'-9"	4'-0"	
1/2"	2'-6"	3'-6"	PROCESS AIR STATION



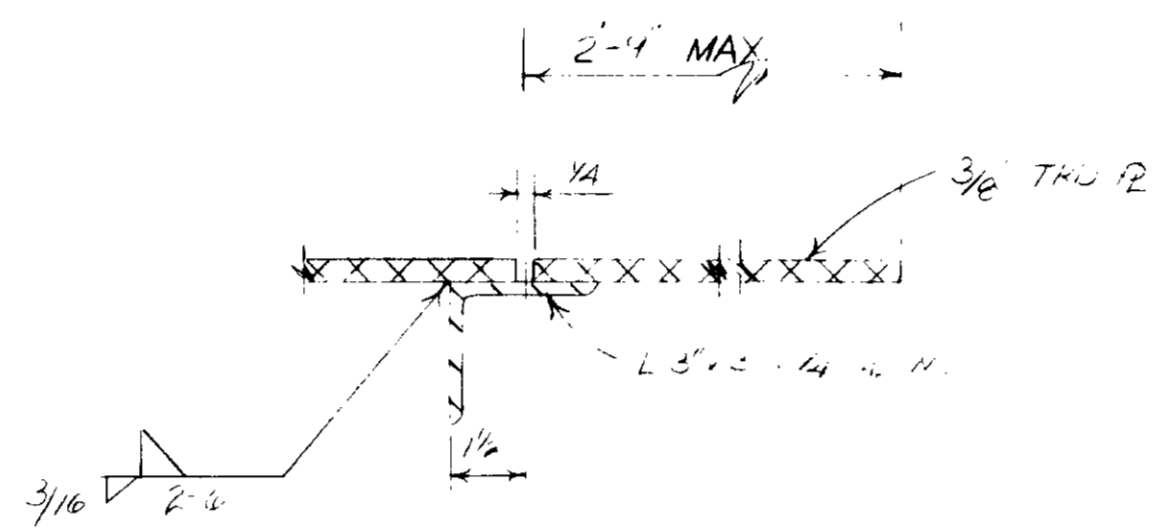
TYPICAL TREAD PLATE PLAN
SCALE: 1/2"=1'-0"



SECTION A1
SCALE: 3/16"=1'-0"

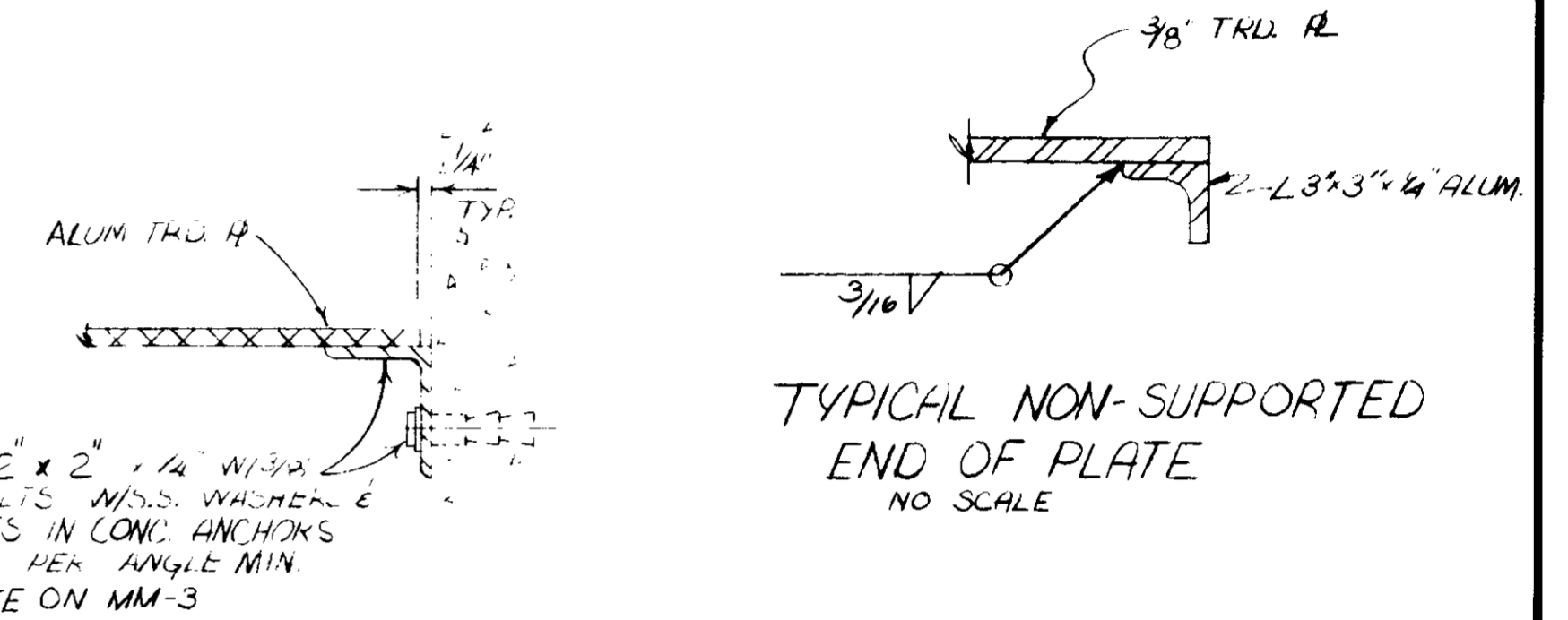


SECTION A2
1/2"=1'-0"



SECTION B
SCALE: 3/16"=1'-0"

TYPICAL ALUM TREAD PLATE SPLICE
*REQ'D FOR ALL SPANS EXCEEDING 2'-0"

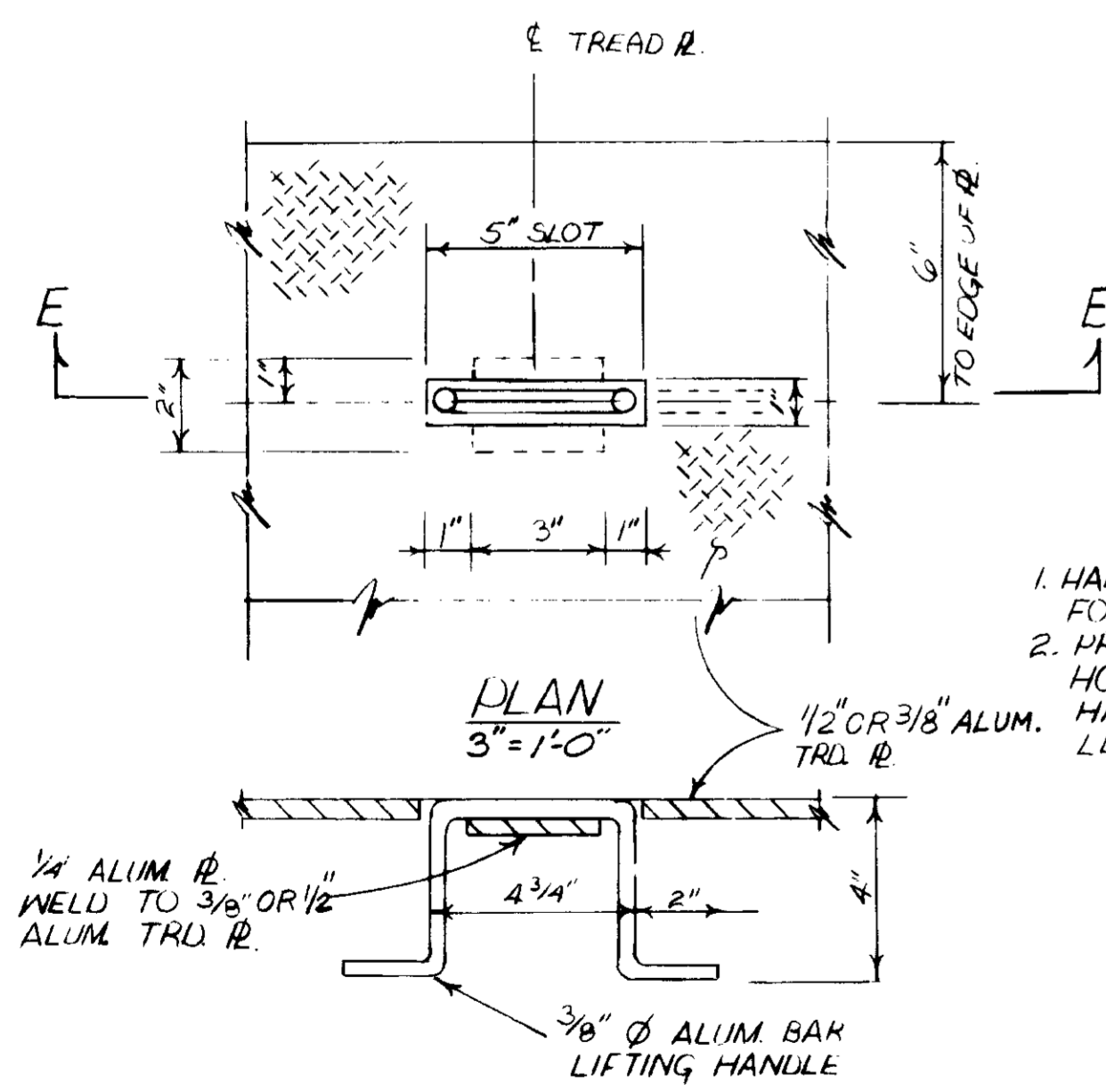


SECTION A3
SCALE: 3/16"=1'-0"

TYPICAL NON-SUPPORTED
END OF PLATE
NO SCALE

GENERAL NOTES:

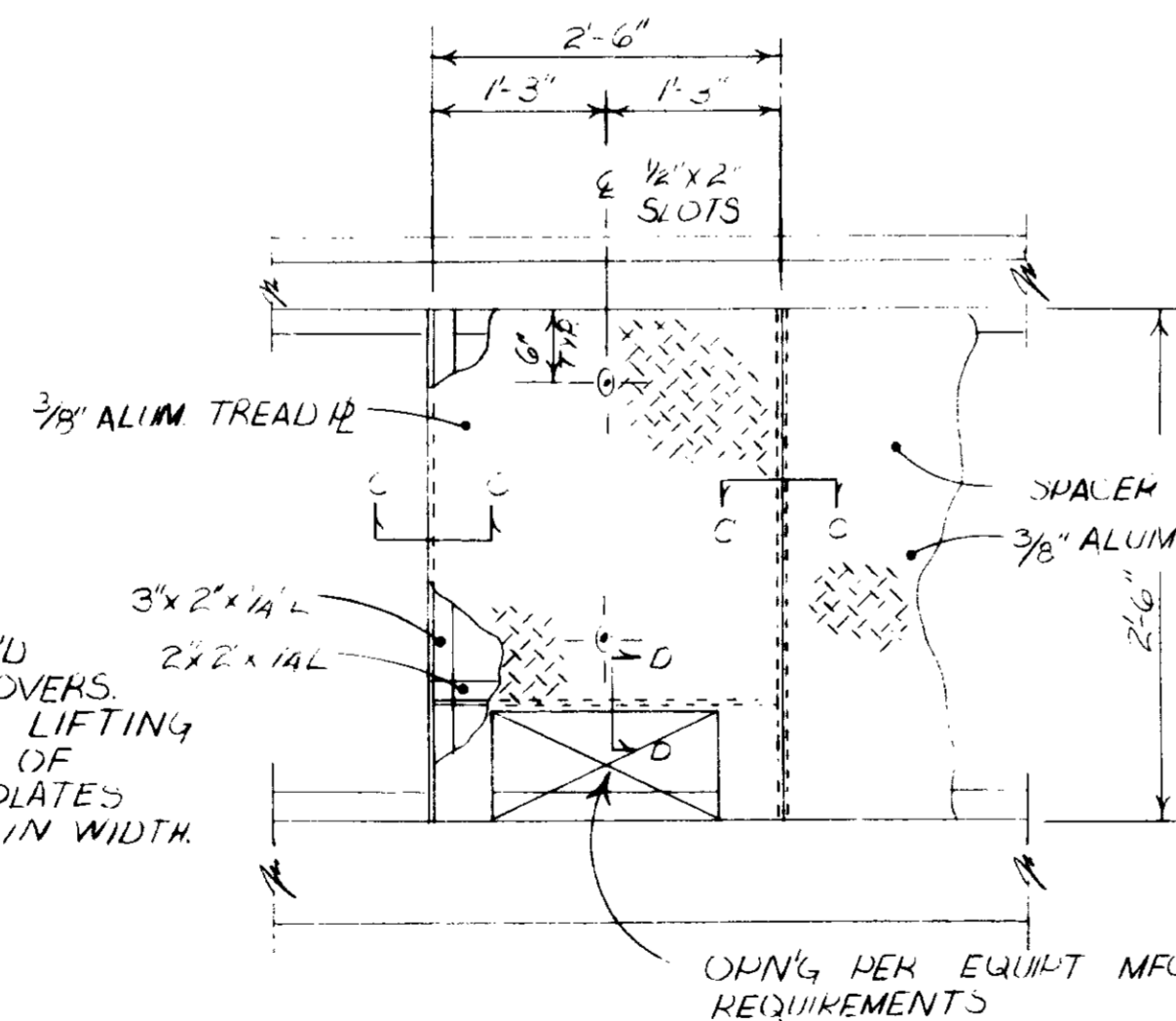
1. ALUM TRD PL COVERS FOR STOP LOG OPENINGS SHALL BE 1/4" ALUM TRD PL MATERIAL W/ APPROPRIATE RECESS FOR FLUSH CONSTRUCTION COVER OVER 3' LONG SHALL BE TILED W/ 1/4" PLATE 3" WIDE.



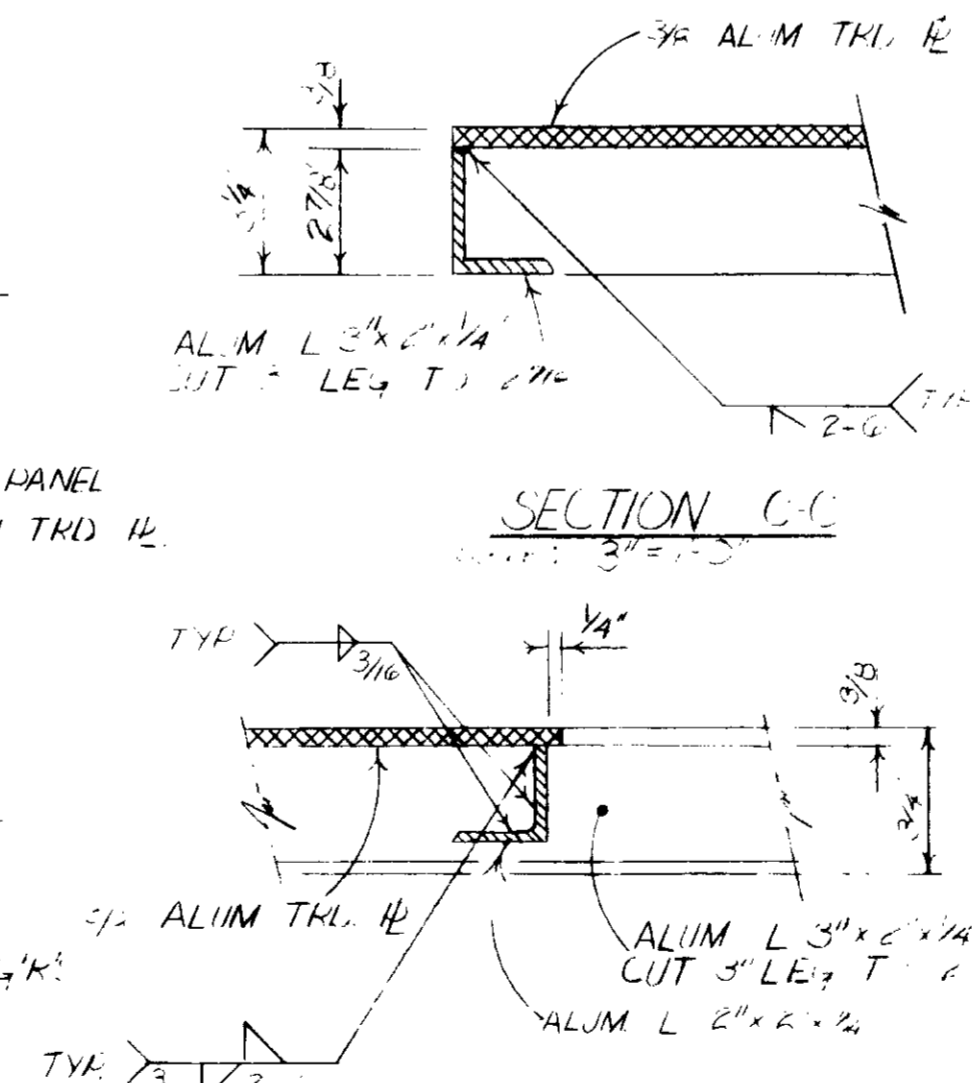
SECTION E-E
3"=1'-0"

NOTE:

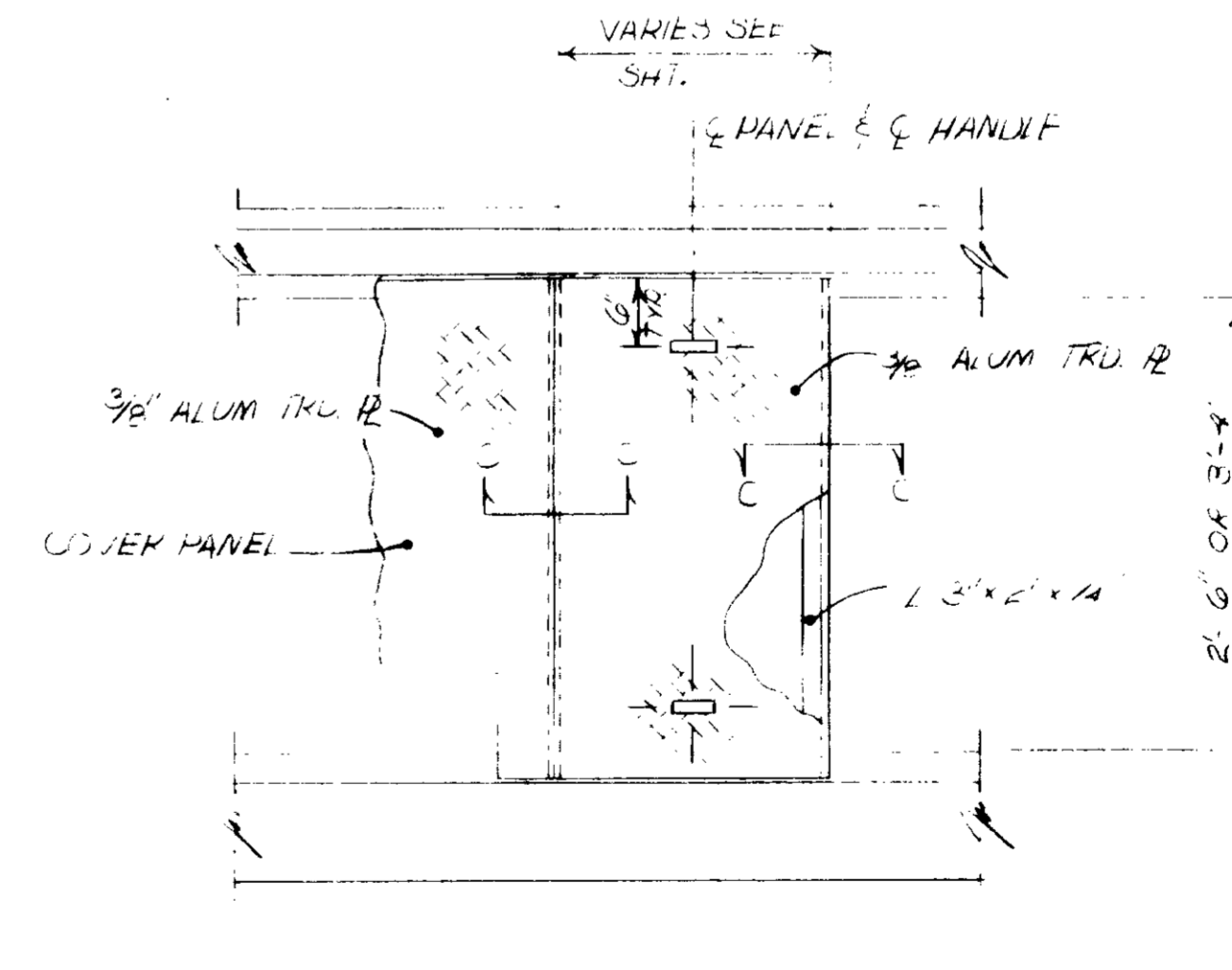
- HANDLE NOT REQ'D FOR STOP LOG COVERS.
- PROVIDE 2-1/2" Ø LIFTING HOLES IN LIEU OF HANDLES ON PLATES LESS THAN 18" IN WIDTH.



COVER PANEL DETAIL
SCALE: 3/4"=1'-0"



SECTION C-C
SCALE: 3/16"=1'-0"



SPACER PANEL DETAIL
SCALE: 1/2"=1'-0"

03225

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

John Valenzuela
RCE 14088
KATSURA CONSULTING ENGINEERS March 1985

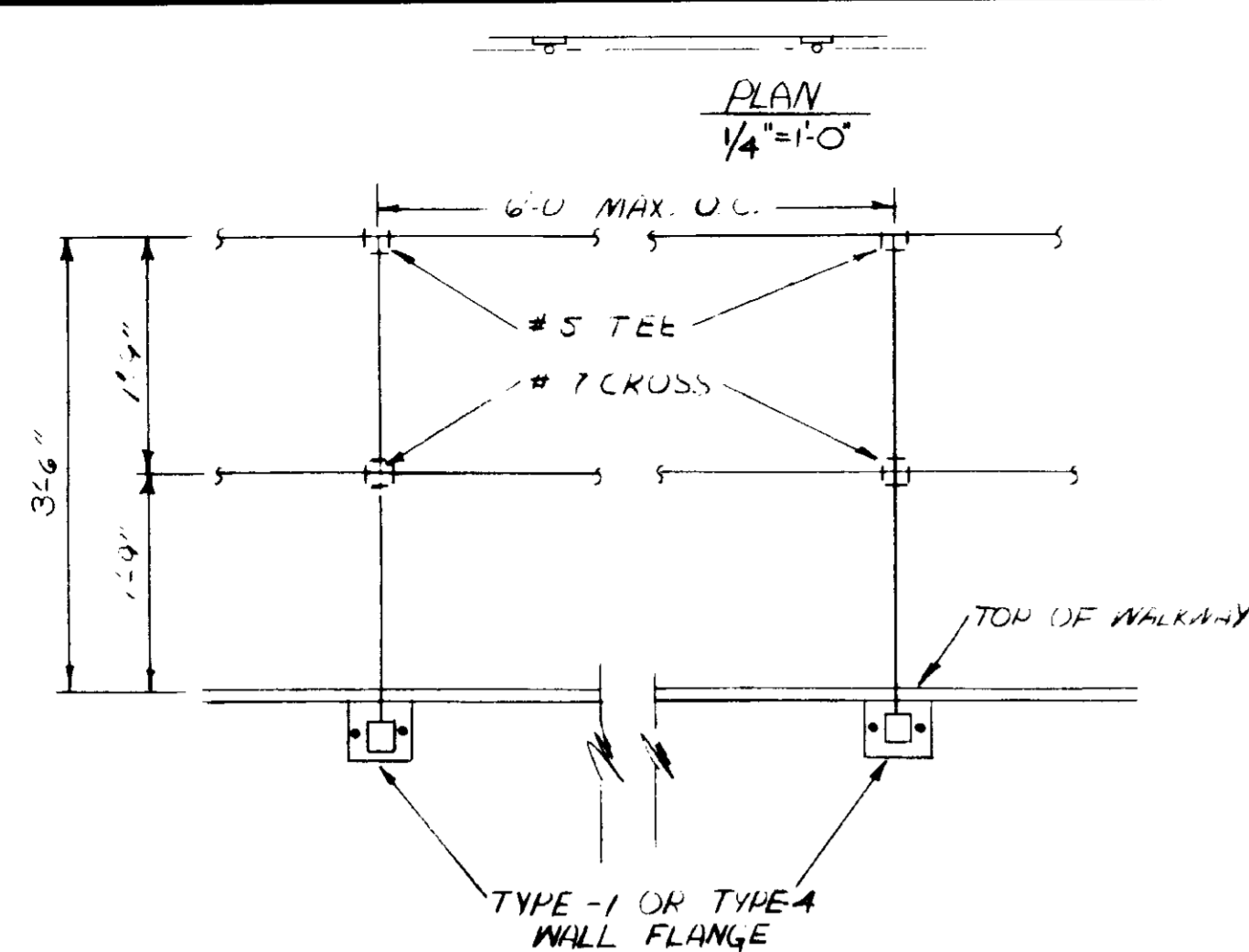
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

SCALE :	D.V.V.	DESIGNED	14038	8/15/79
AS NOTED	D.V.V.	DRAWN	R.C.E. NO.	DATE
	S.K.	CHECKED	14894	8/15/79
			PROJECT ADMINISTRATOR	R.C.E. NO. DATE

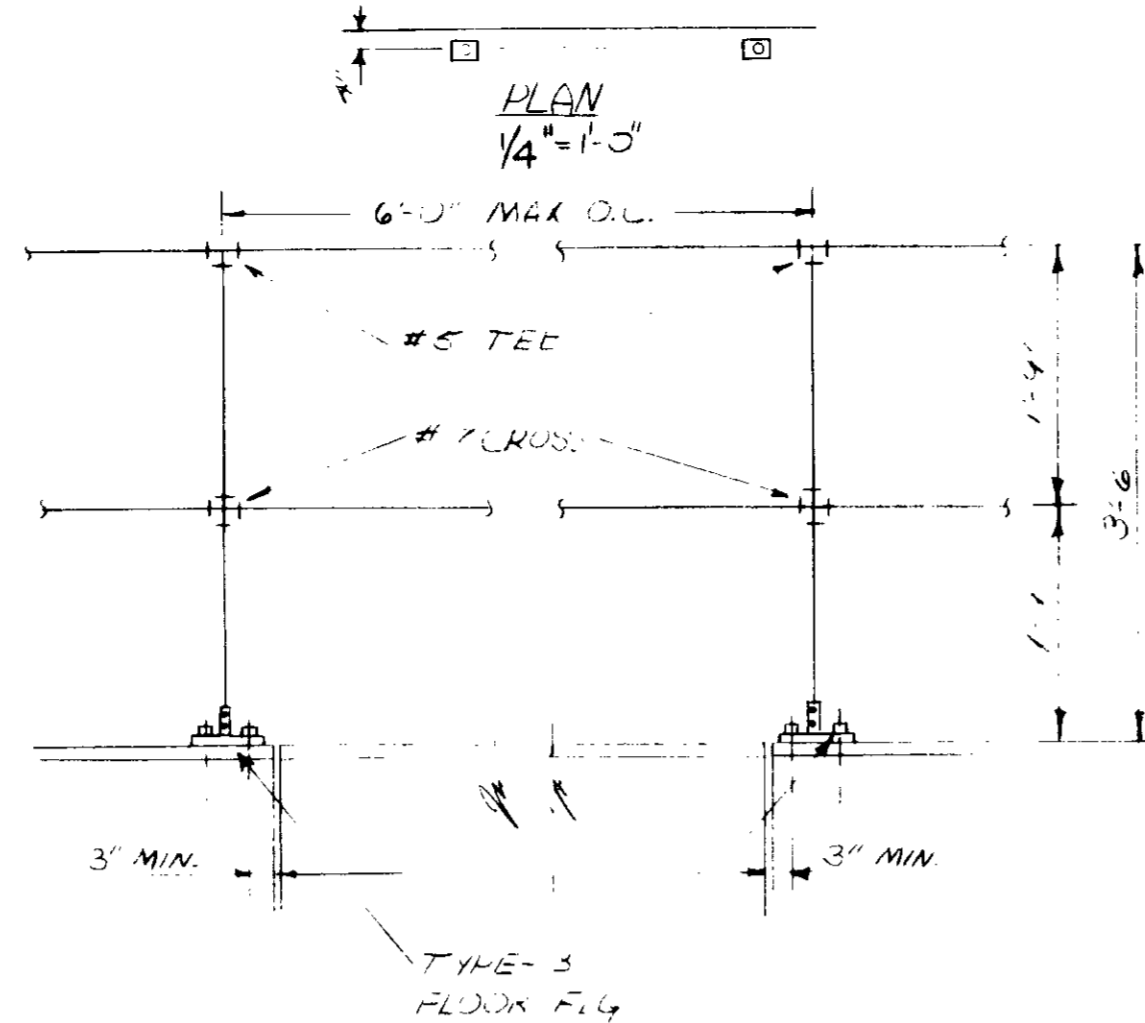
JK CONSULTING ENGINEERS
A JOINT VENTURE
8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
MISCELLANEOUS METALS
TYPICAL TREAD PLATE DETAILS

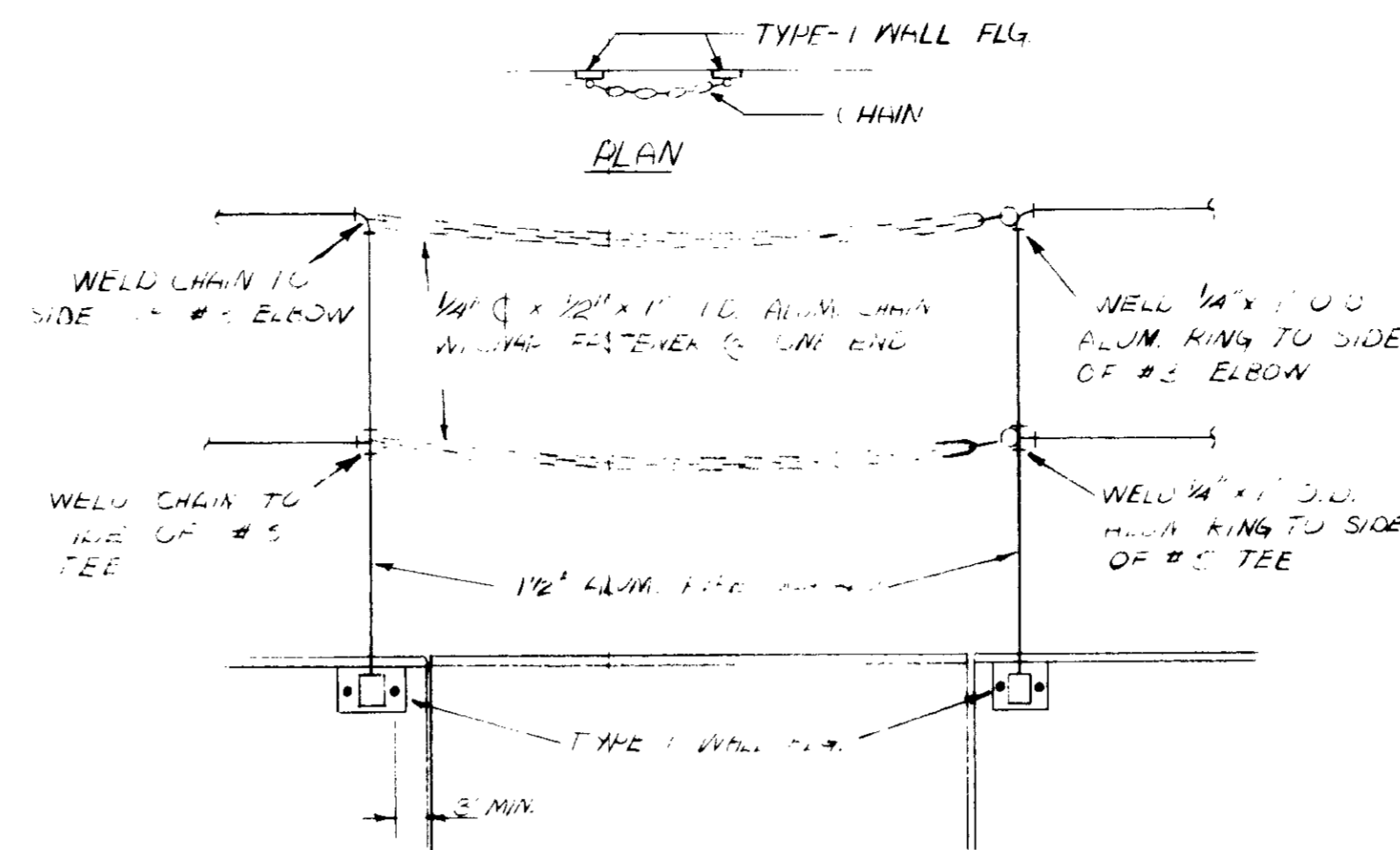
SHEET	MM-16
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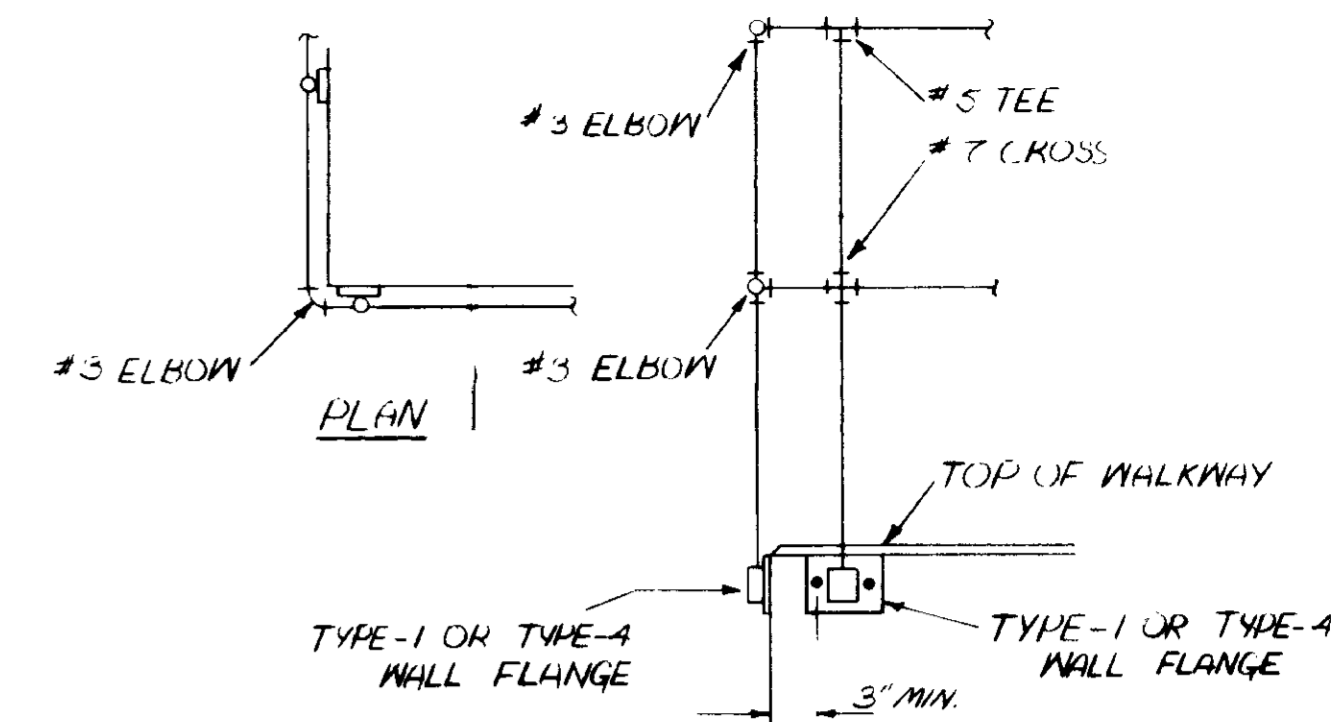
DETAIL-A
SCALE: 3/4" = 1'-0"



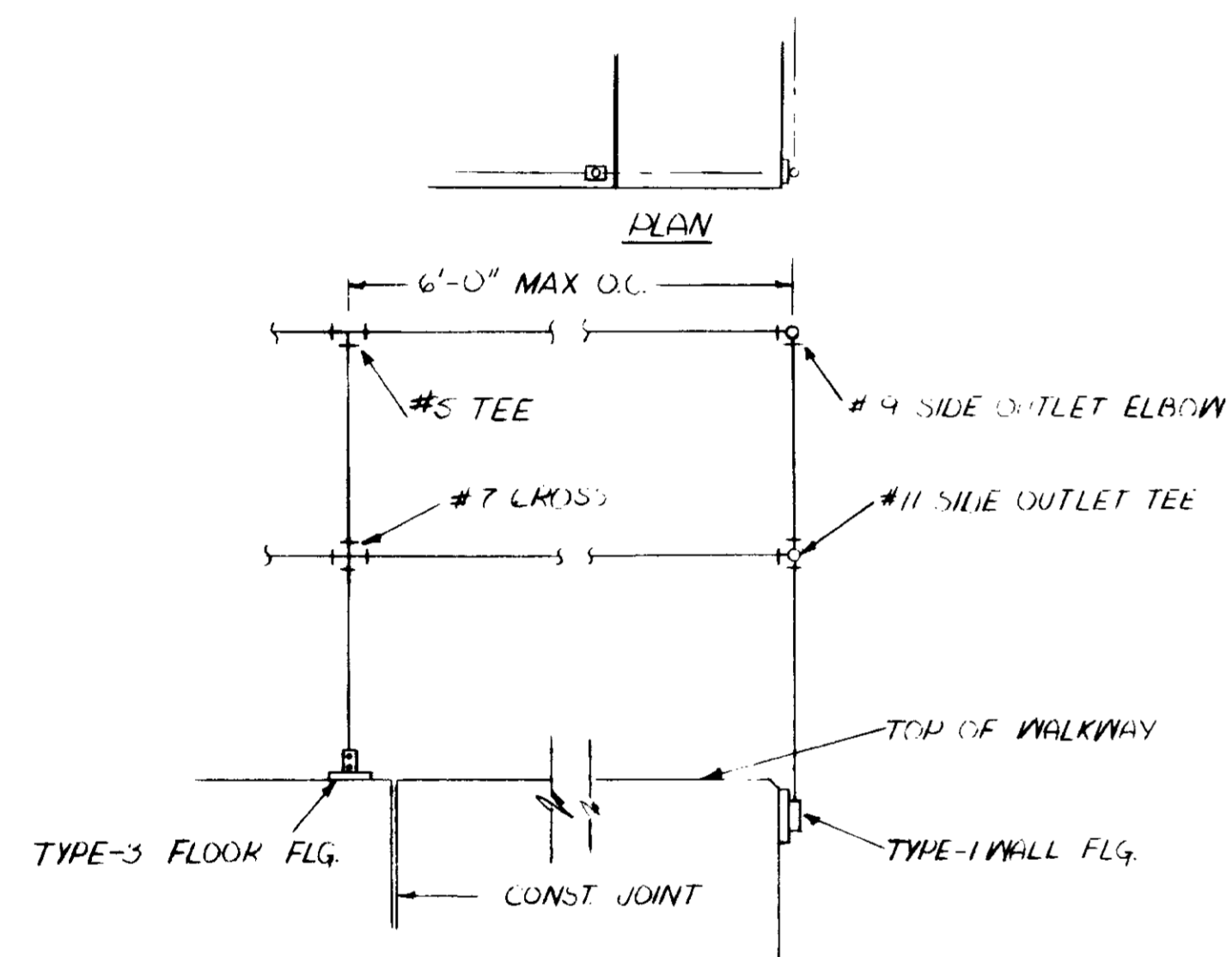
DETAIL-B
SCALE: 3/4" = 1'-0"



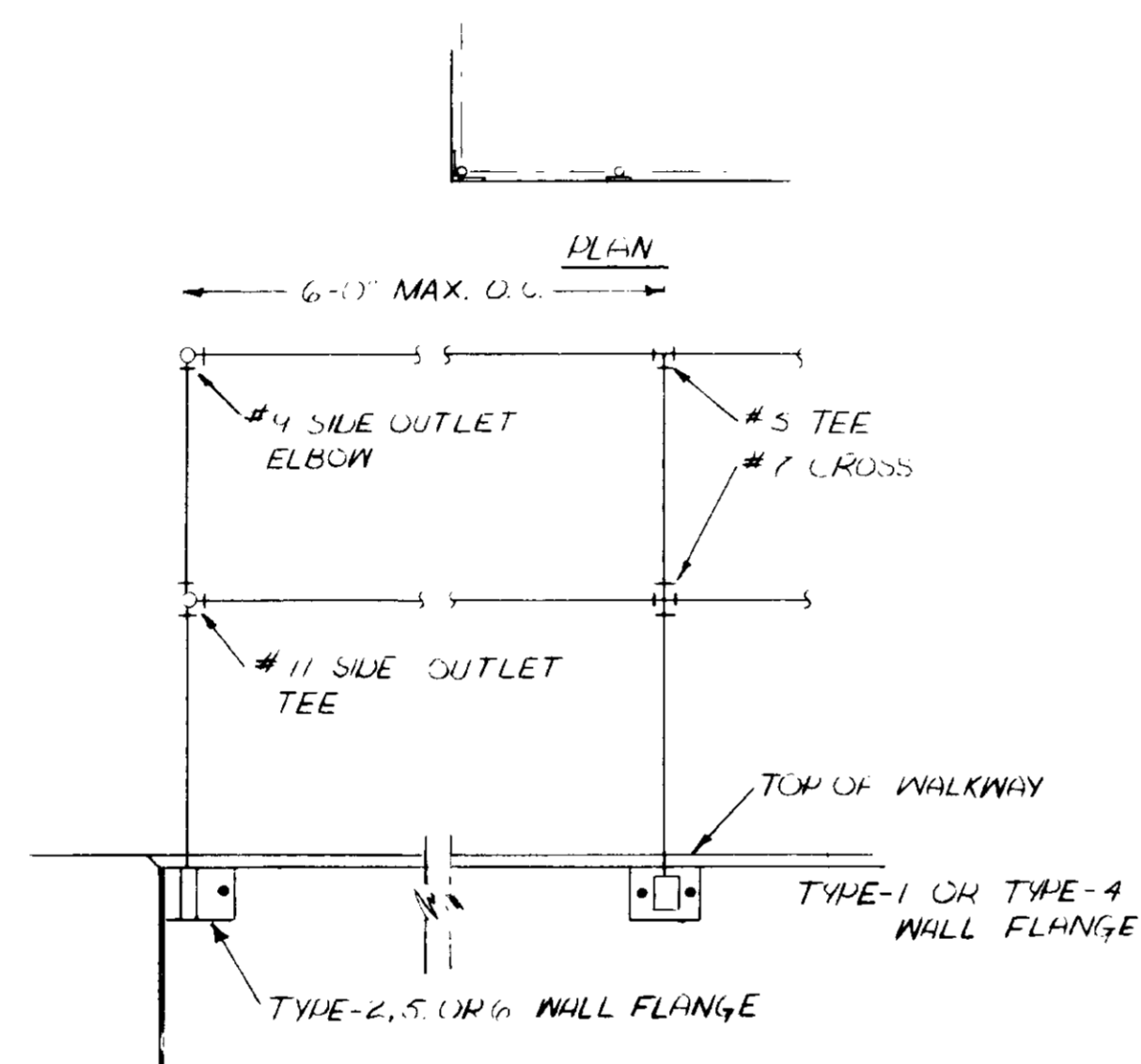
DETAIL-C
SCALE: 3/4" = 1'-0"



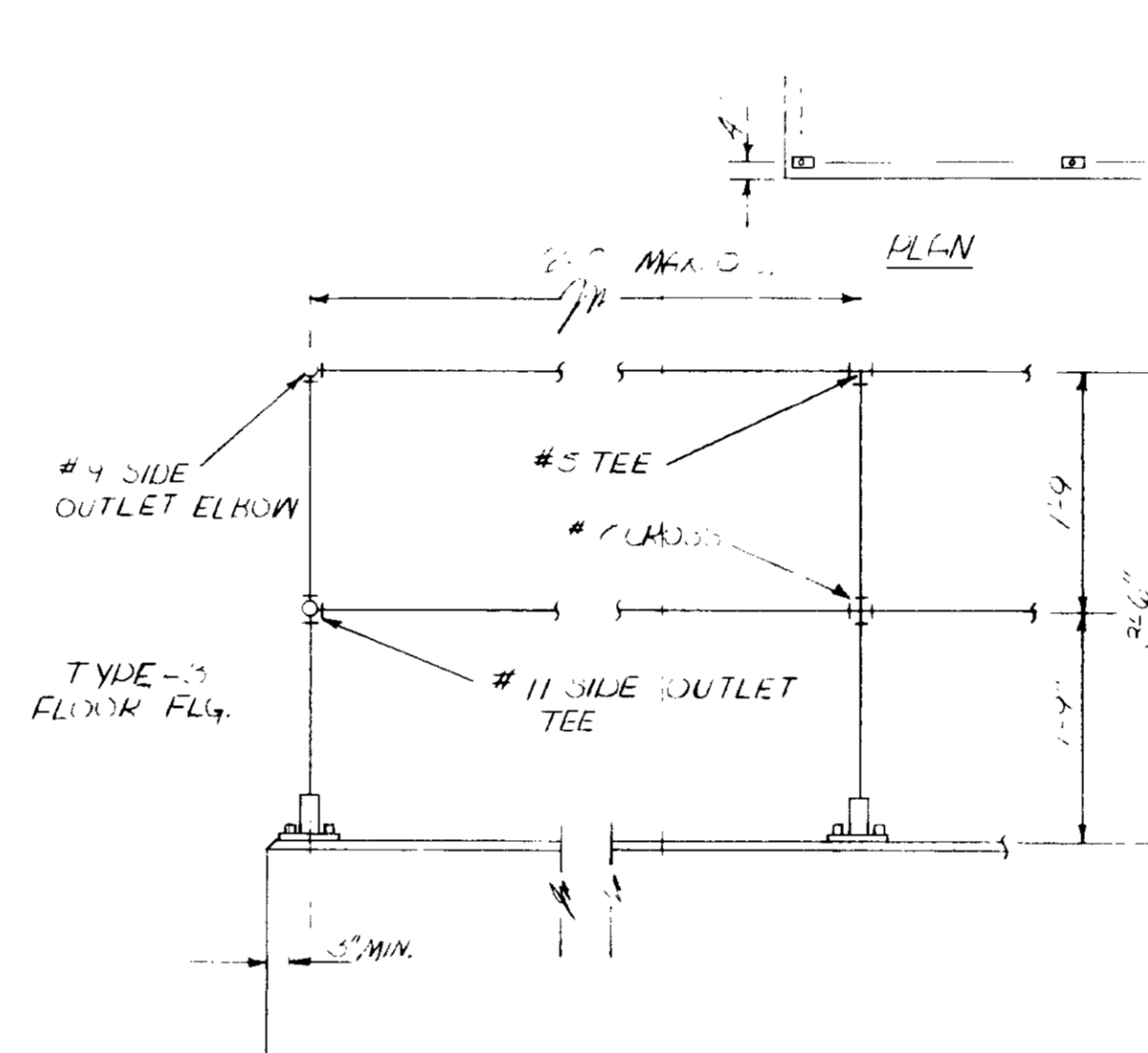
DETAIL-D
SCALE: 3/4" = 1'-0"



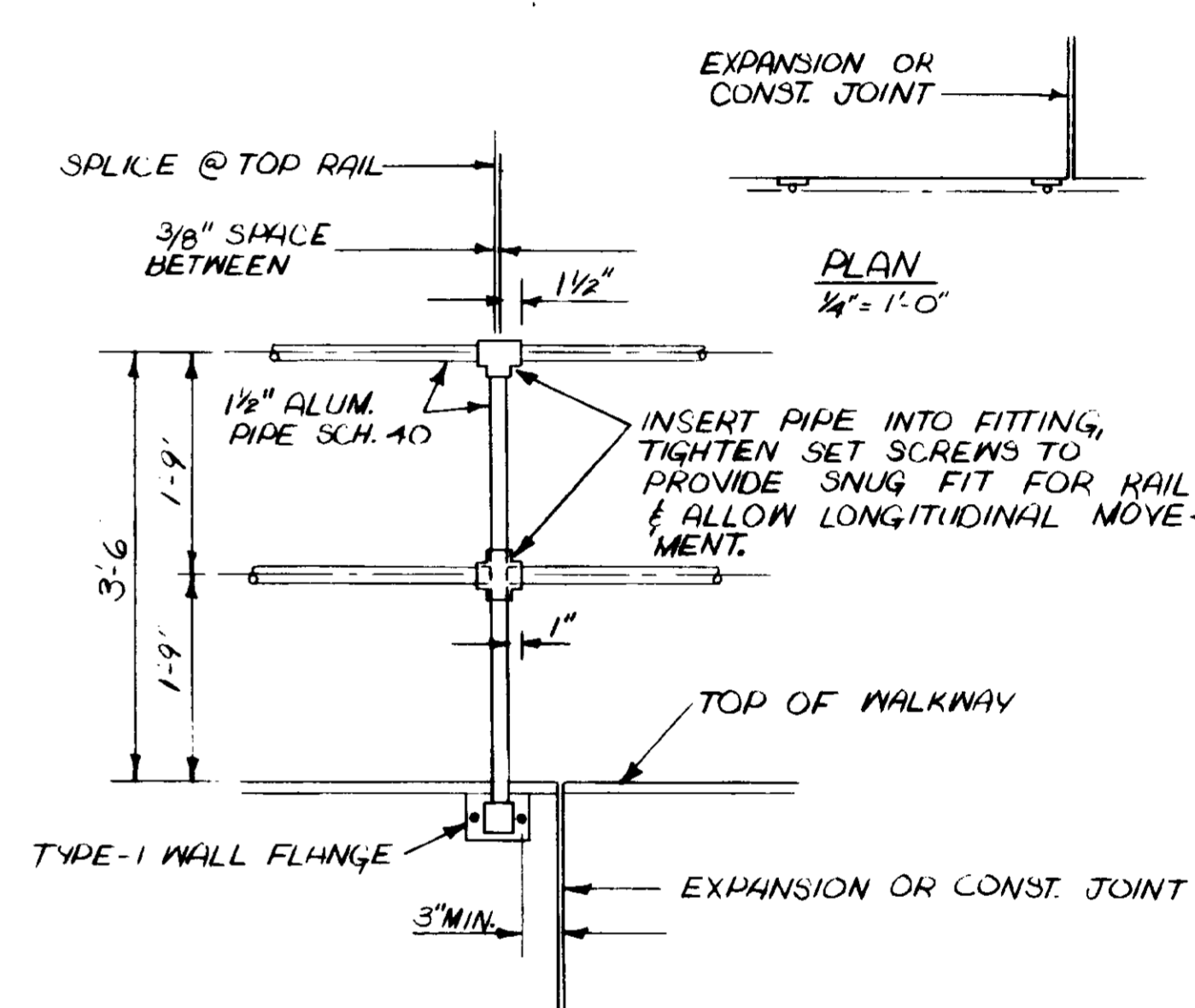
DETAIL-E



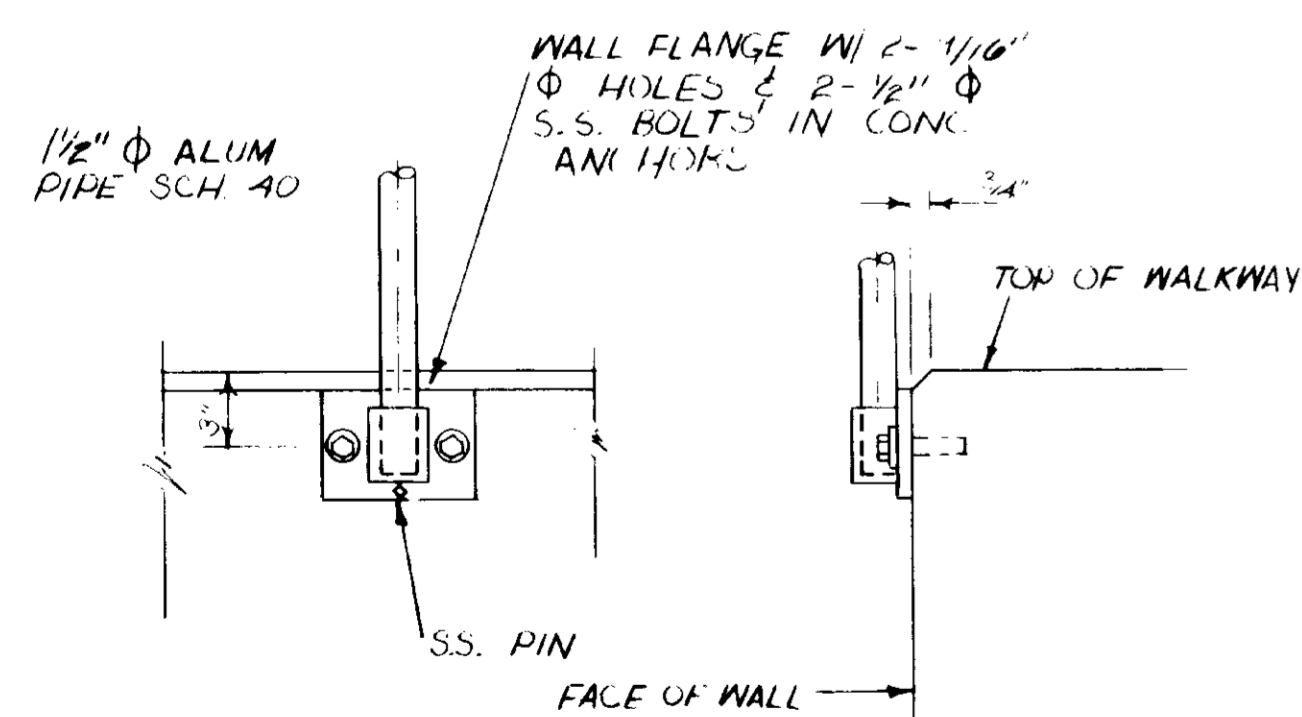
DETAIL-F



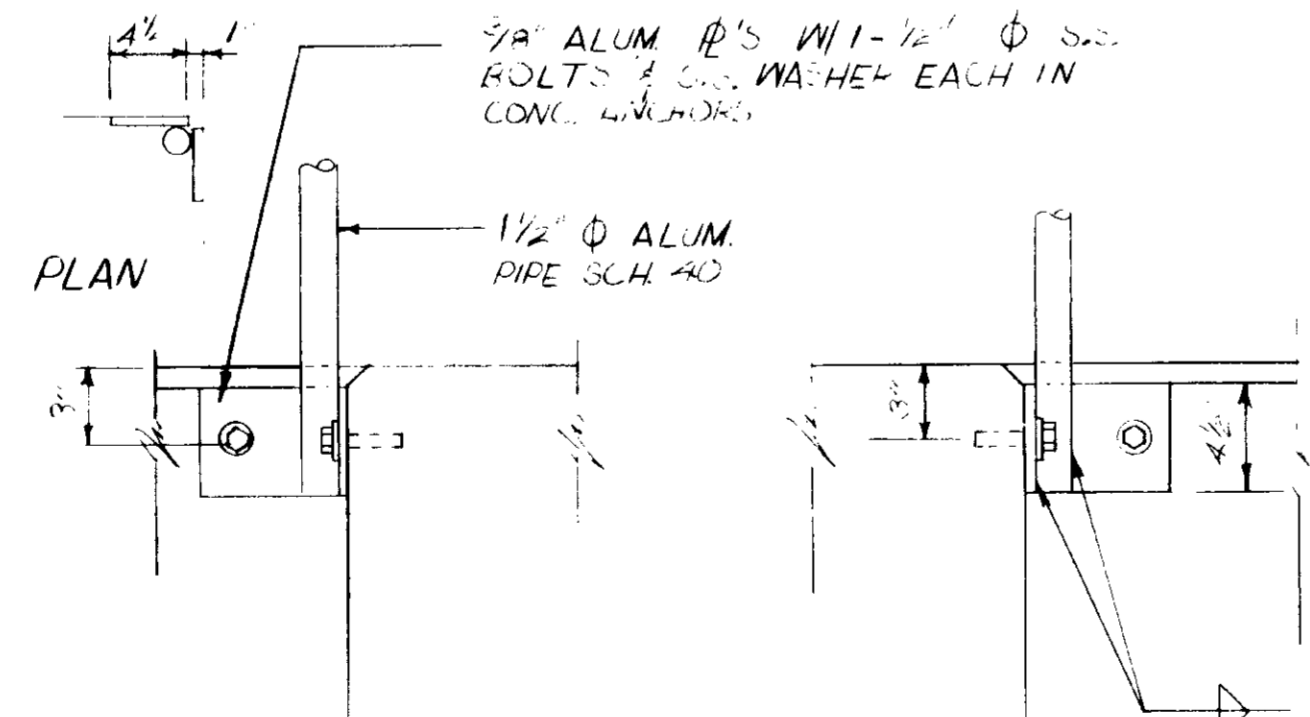
DETAIL-G



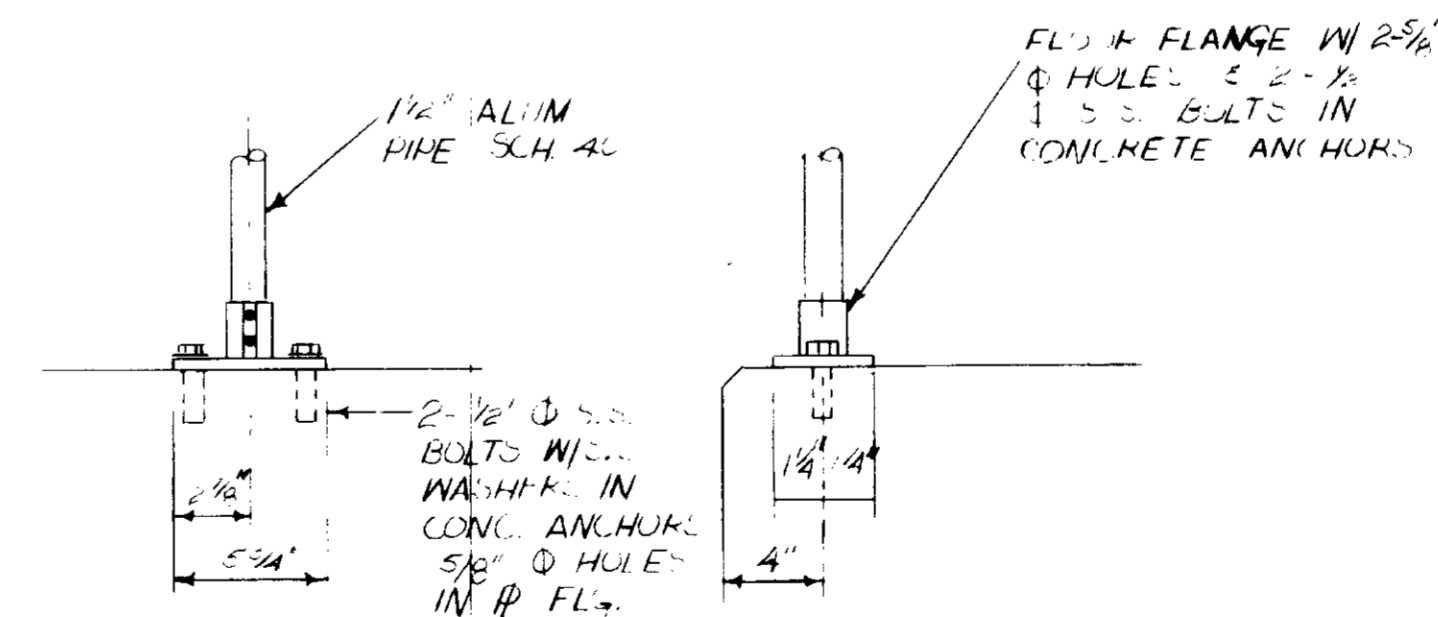
DETAIL-H



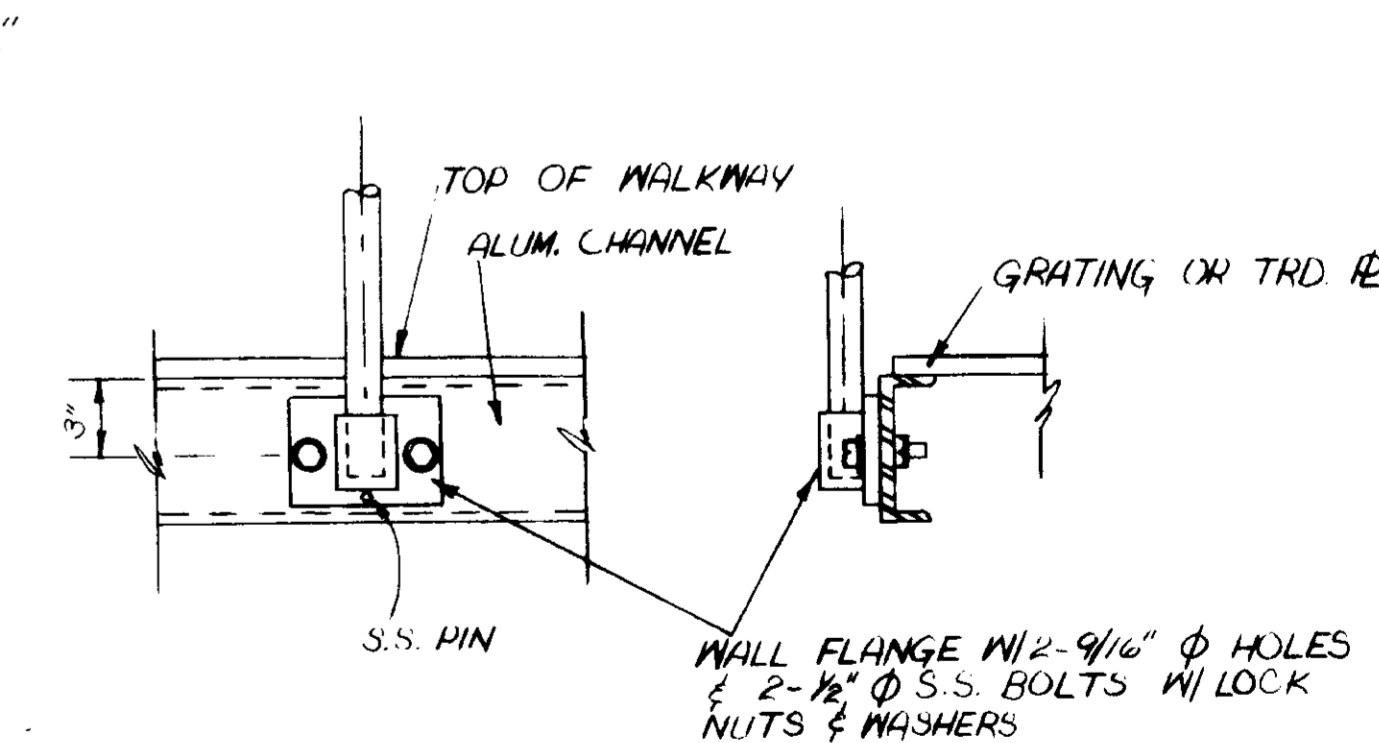
TYPE-1
SCALE: 1/2" = 1'-0"



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



TYPE-3
SCALE: 1/2" = 1'-0"



TYPE-4
SCALE: 1/2" = 1'-0"

RECORD DRAWINGS

Per Field Information Provided by Morley-Ziebarth & Alper

[Signature]
RCE 14038
KATSURA CONSULTING ENGINEERS March 1985

03226

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

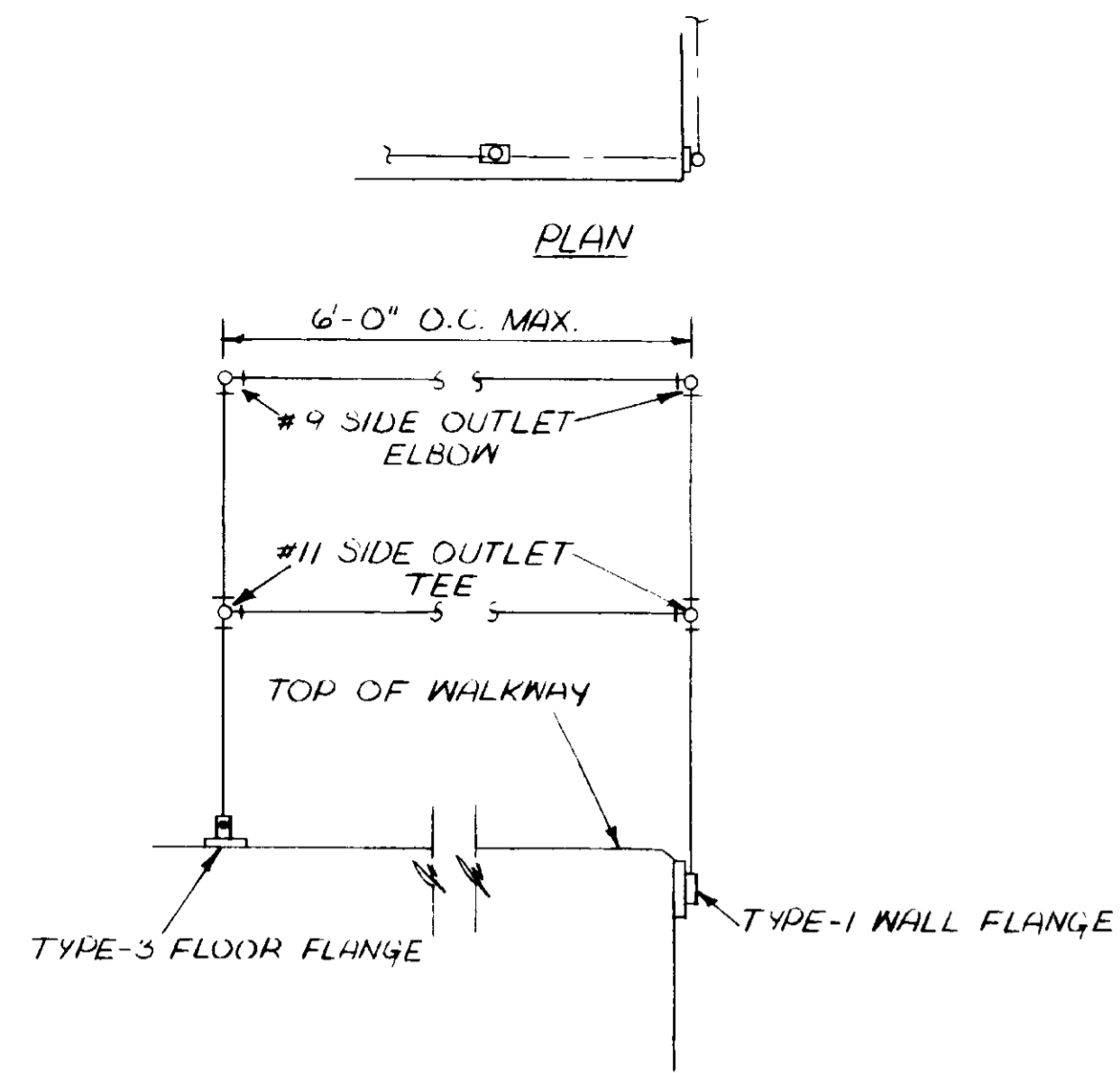
SCALE :	AAA
AS NOTED	DESIGNED DuV
	DRAWN S.K.
	CHECKED

SUBMITTED	<i>[Signature]</i>	14038	8/15/79
DESIGNED	DuV	R.C.E. NO.	DATE
DRAWN	S.K.	14894	8/15/79
CHECKED		R.C.E. NO.	DATE

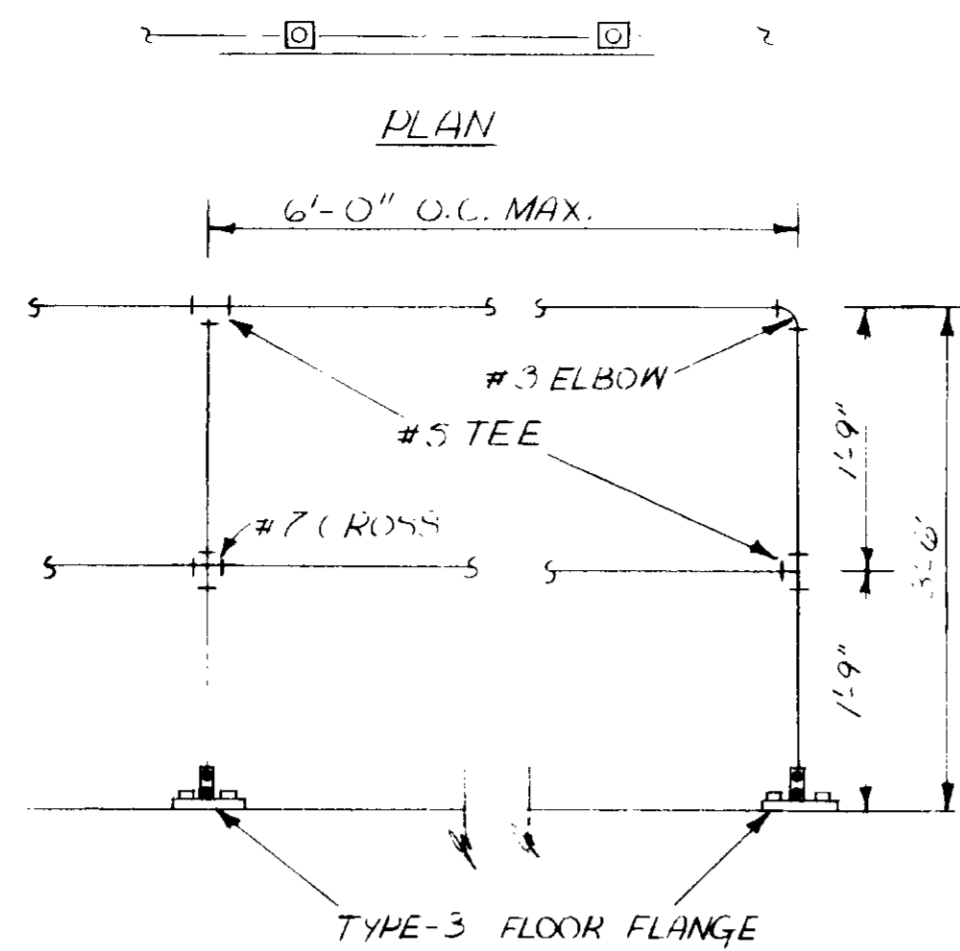
JK CONSULTING ENGINEERS
A JOINT VENTURE
5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 933 9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
MISCELLANEOUS METALS
TYPICAL HANDRAIL I

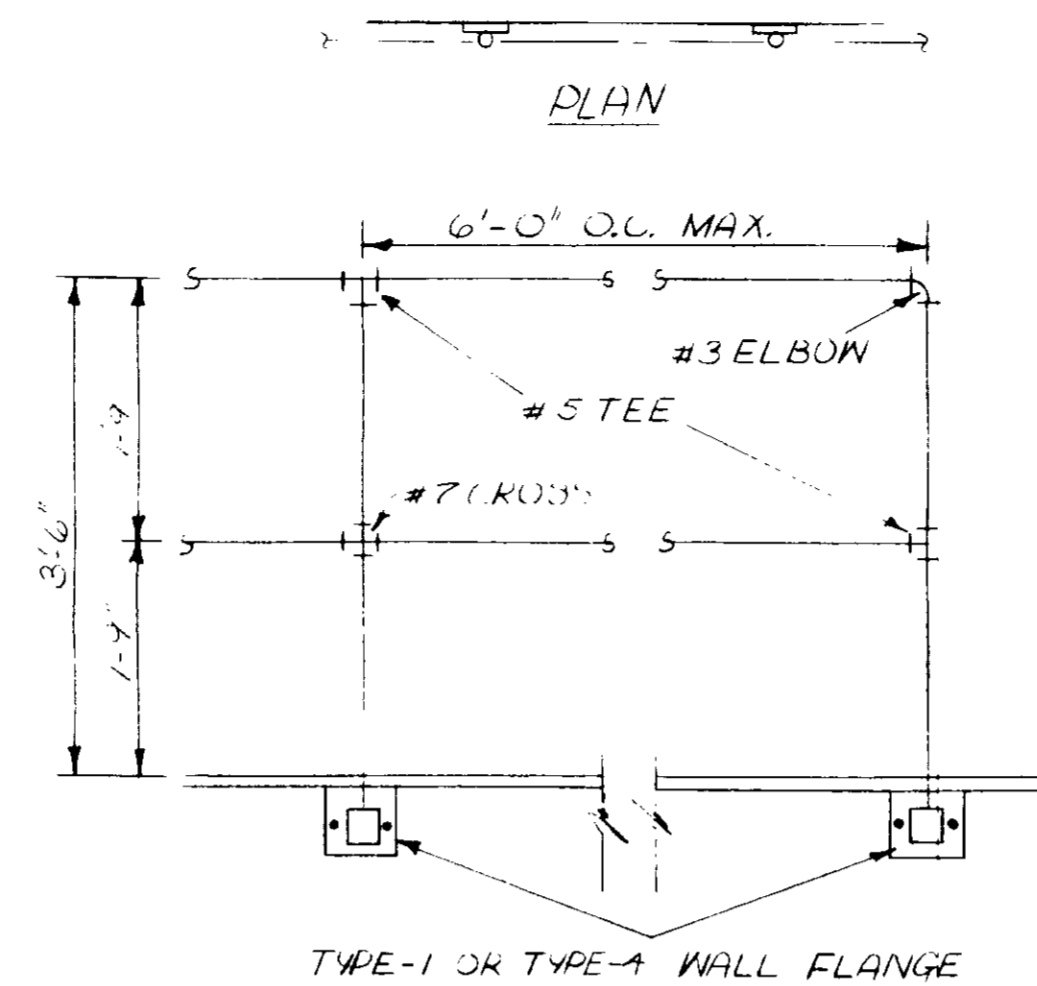
SHEET	MM-17
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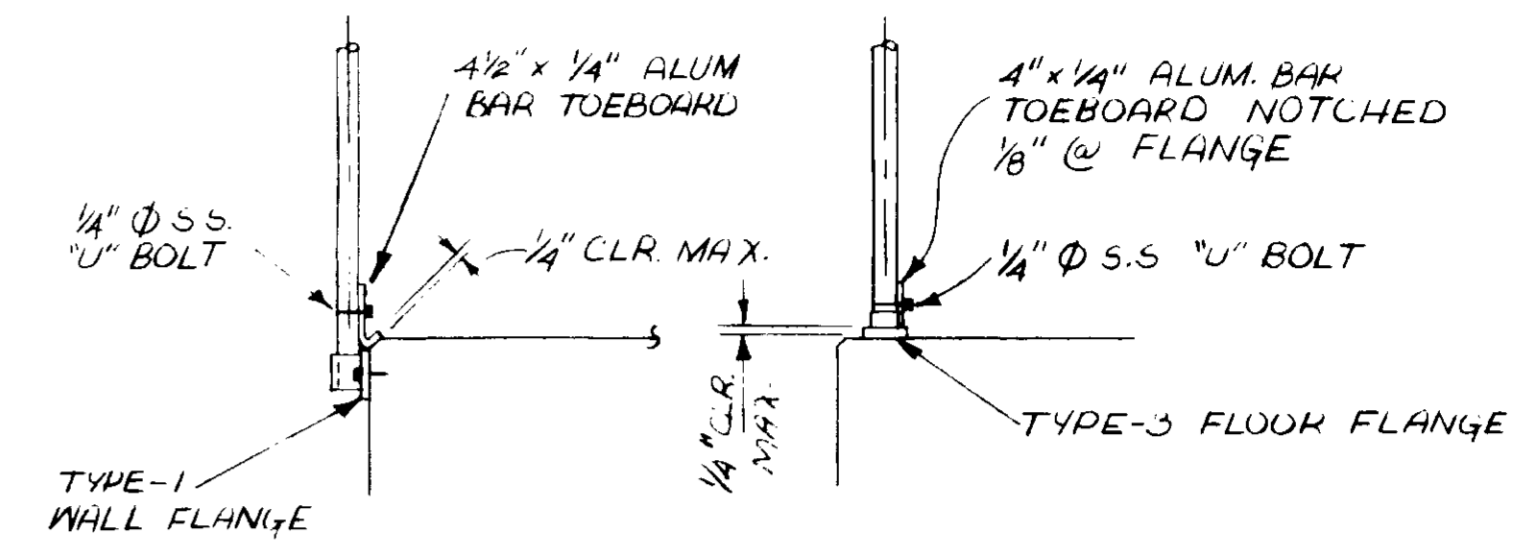
DETAIL-I



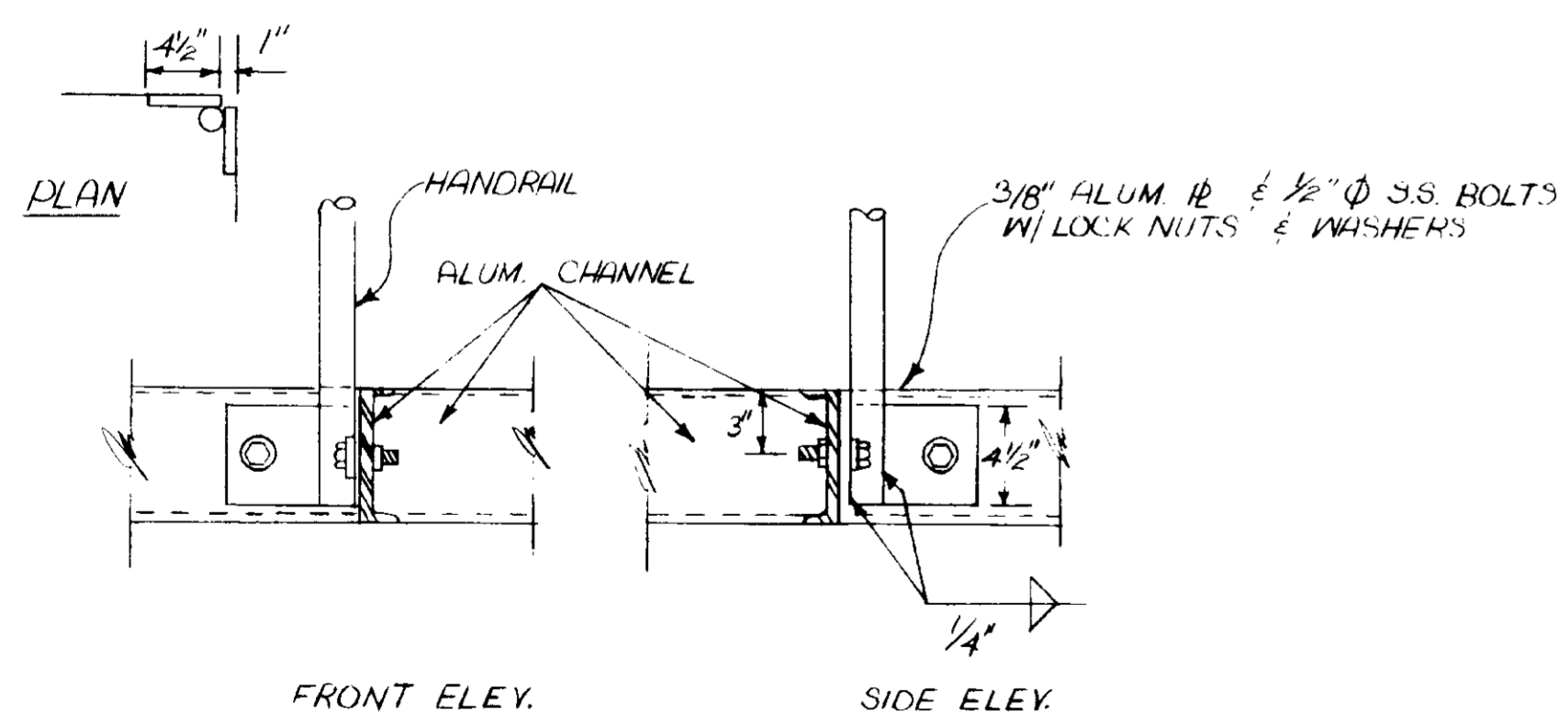
DETAIL-J



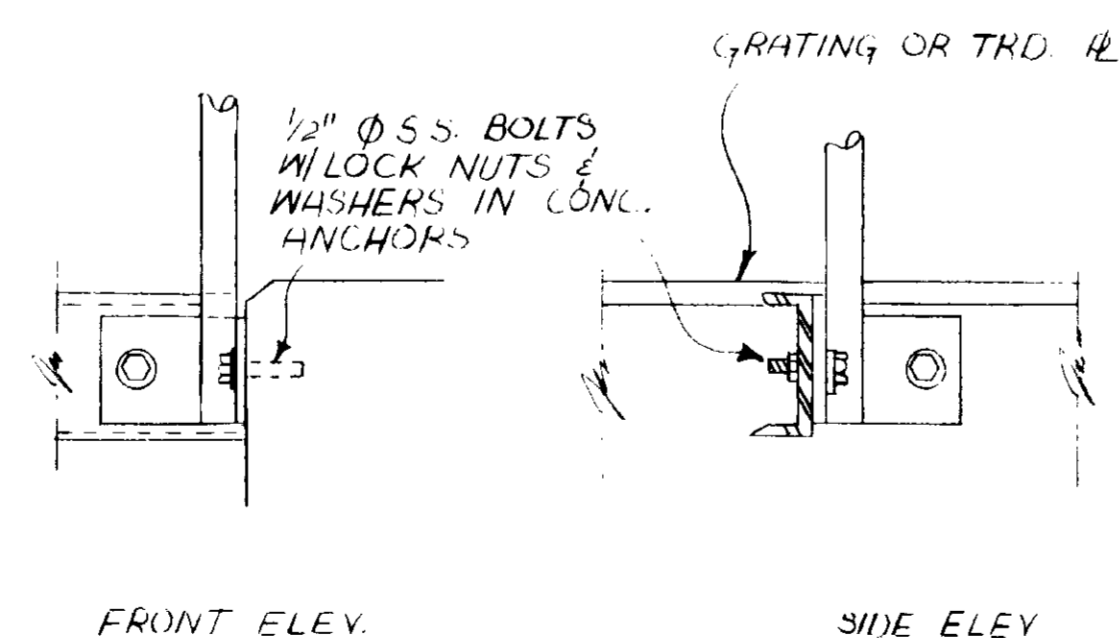
DETAIL-K



DETAIL-L



TYPE-5



TYPE-6

RECORD DRAWINGS

Per Field Information Provided by Morley-Ziebarth & Alger

[Signature]

RCE 14038

03227

KATSURA CONSULTING ENGINEERS

March 1985

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

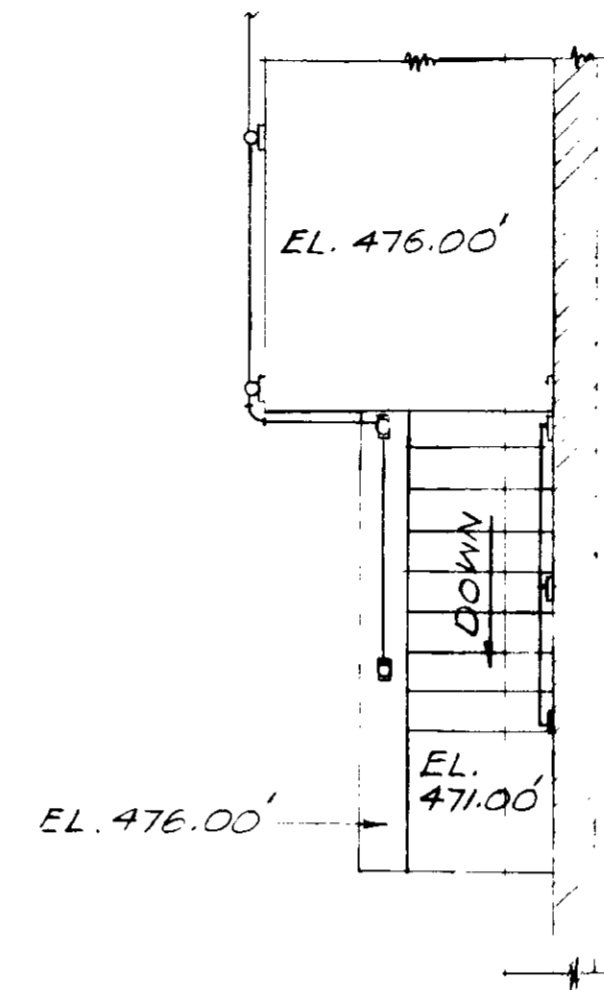
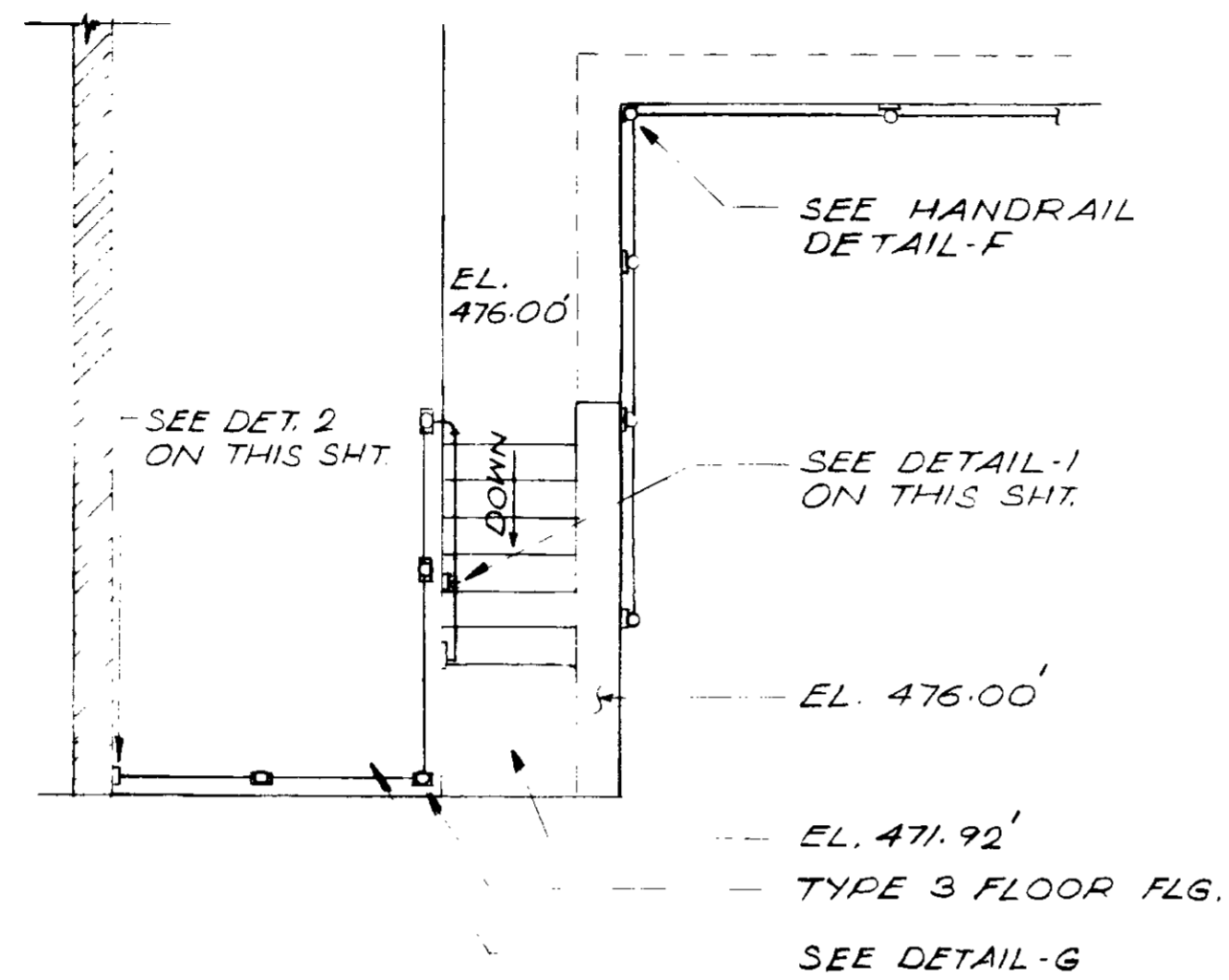
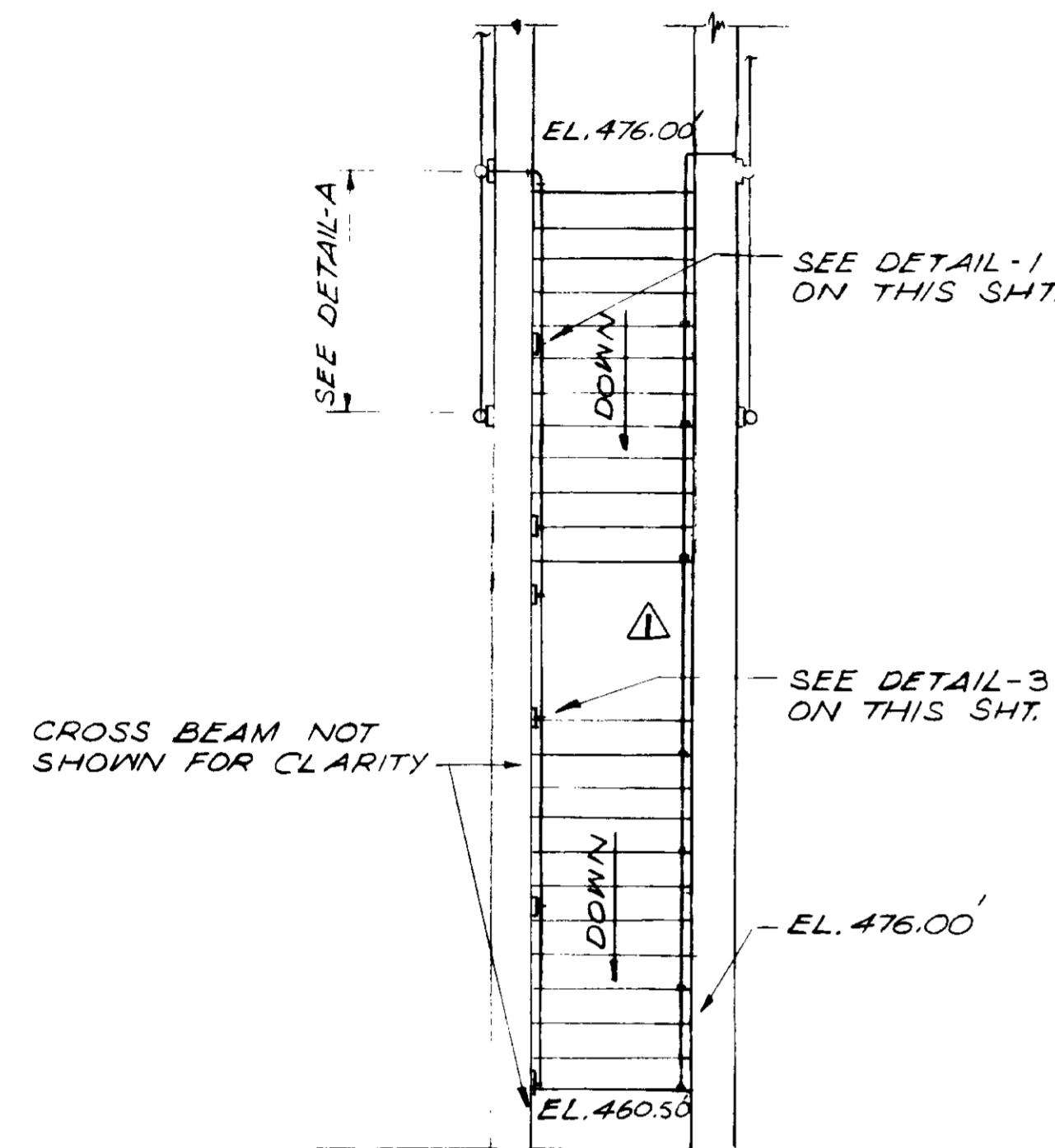
SCALE :	D.W.V.
AS NOTED	D.W.V.
	DRAWN
	S.K.
	CHECKED

SUBMITTED	14038	8/15/79
DESIGNED	R.C.E. NO.	DATE
PROJECT MANAGER		
PROJECT ADMINISTRATOR	14894	8/15/79
	R.C.E. NO.	DATE

JKE CONSULTING ENGINEERS
A JOINT VENTURE
5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
MISCELLANEOUS METALS
TYPICAL HANDRAIL - II

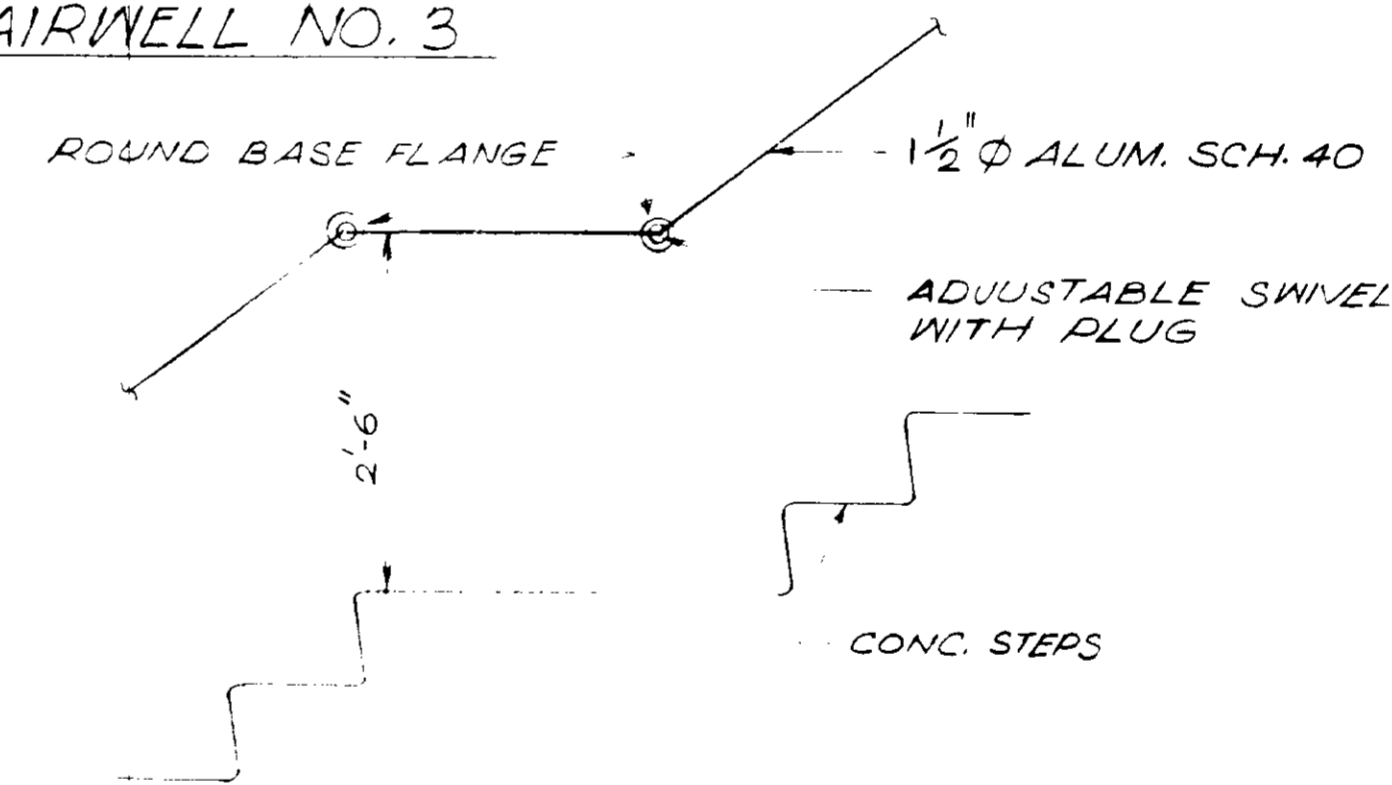
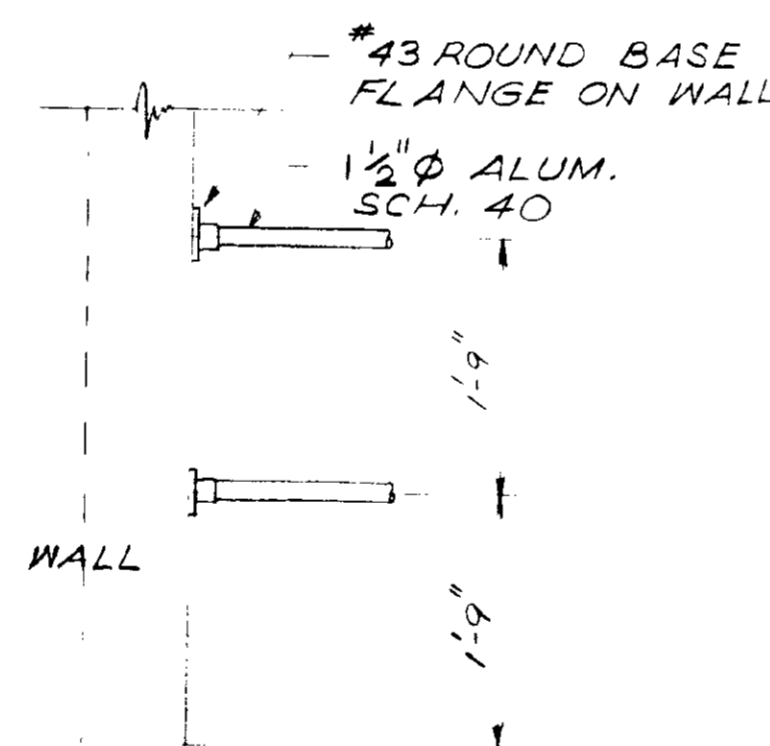
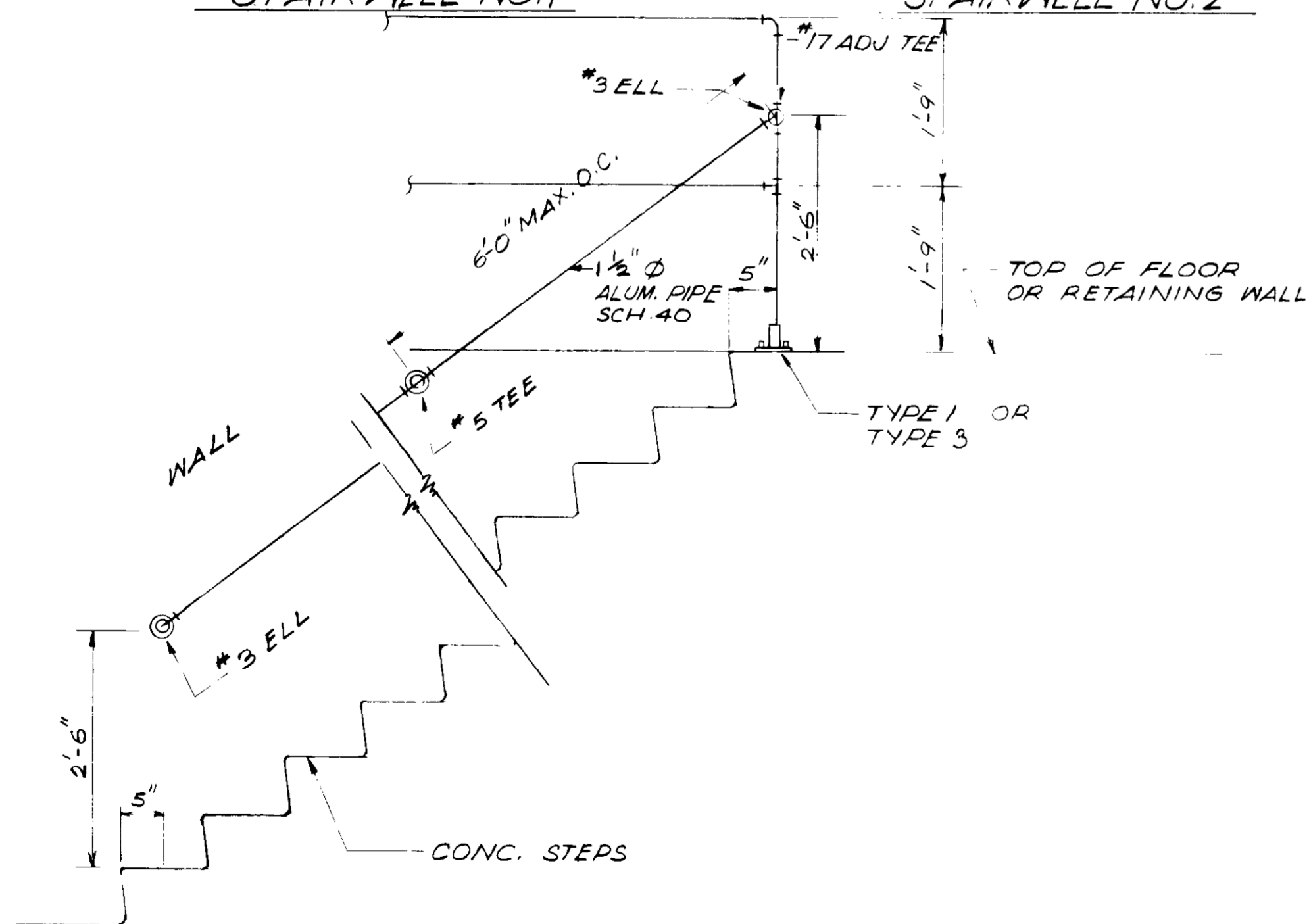
SHEET
MM-18



PLAN
1/4" = 1'-0"
STAIRWELL NO. 1

PLAN
1/4" = 1'-0"
STAIRWELL NO. 2

PLAN
1/4" = 1'-0"
STAIRWELL NO. 3



DETAIL - 1
3/4" = 1'-0"

DETAIL - 2
3/4" = 1'-0"

DETAIL - 3
3/4" = 1'-0"

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
RCE 14038
KATSURA CONSULTING ENGINEERS March 1985

03228

REV	DATE	BY	DESCRIPTION
1	02-28-85	CL	REV PER MZA & JLE

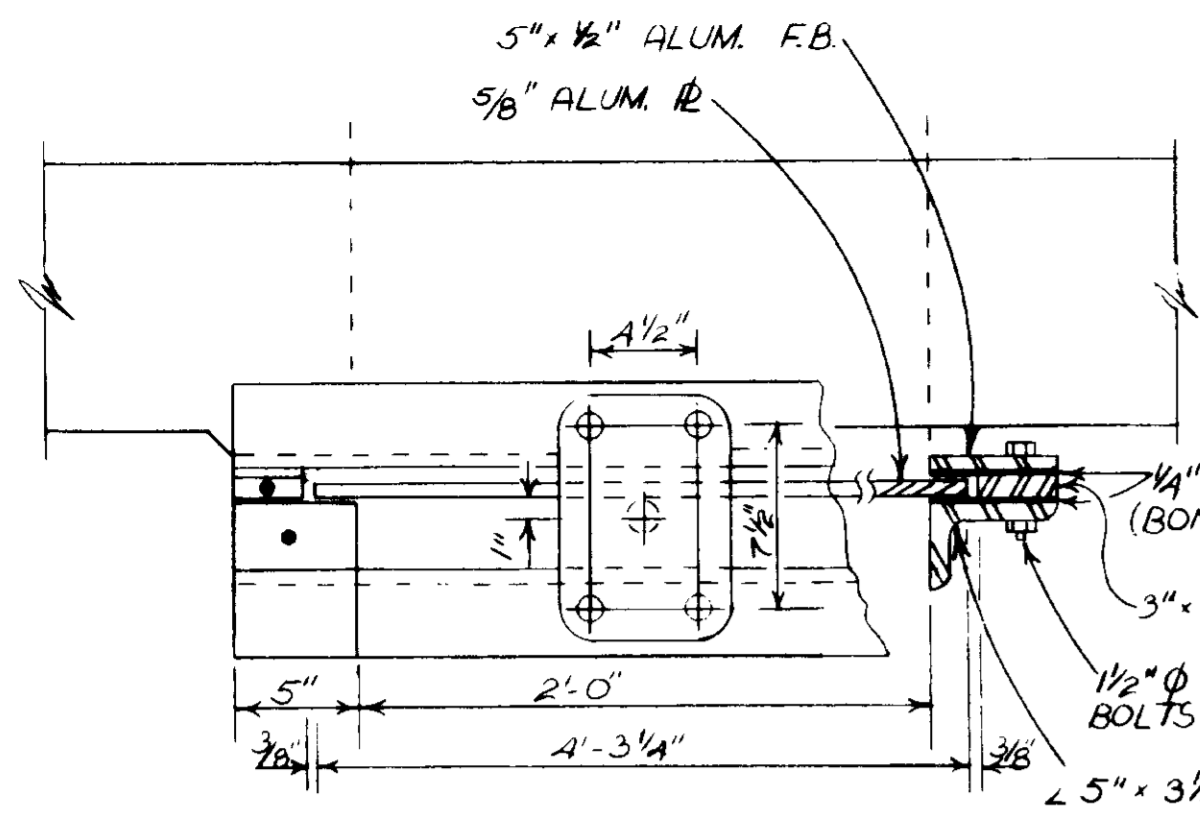
SCALE :	DWV.
AS NOTED	DESIGNED
	DWV
	DRAWN
	S. K.
	CHECKED

PROJECT MANAGER	14038	8/15/79
	R.C.E. NO.	DATE
PROJECT ADMINISTRATOR	14894	8/15/79
	R.C.E. NO.	DATE

JKE CONSULTING ENGINEERS
A JOINT VENTURE
5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

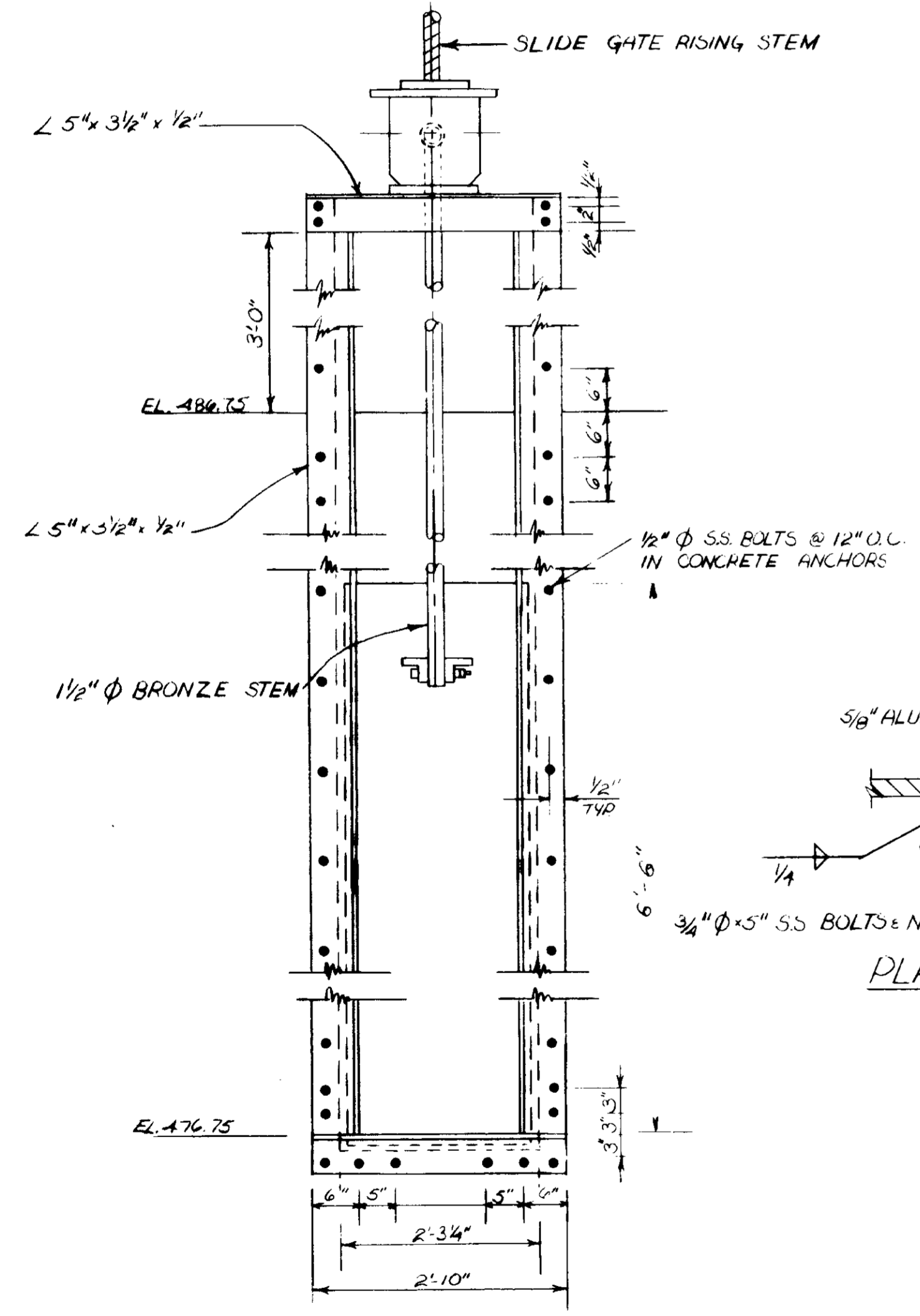
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
MISCELLANEOUS METALS
TYPICAL HANDRAIL - DETAILS III

SHEET
MM-19

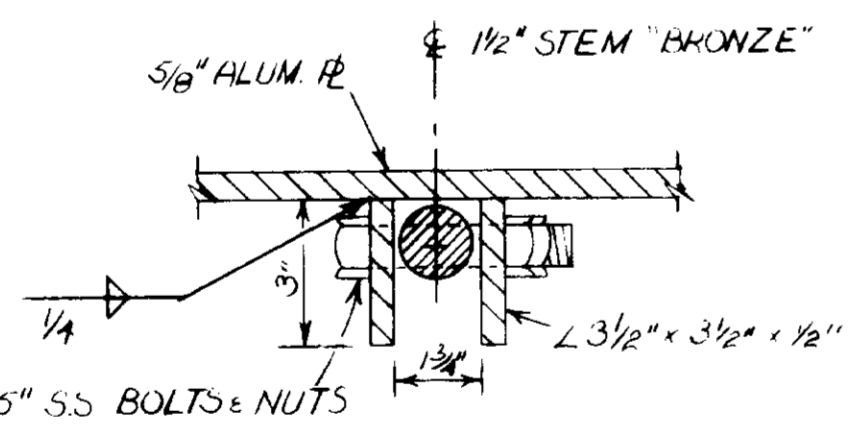


PLAN
AERATION TANK
TRANSFER GATE DETAILS
SCALE: 1/2" = 1'-0"

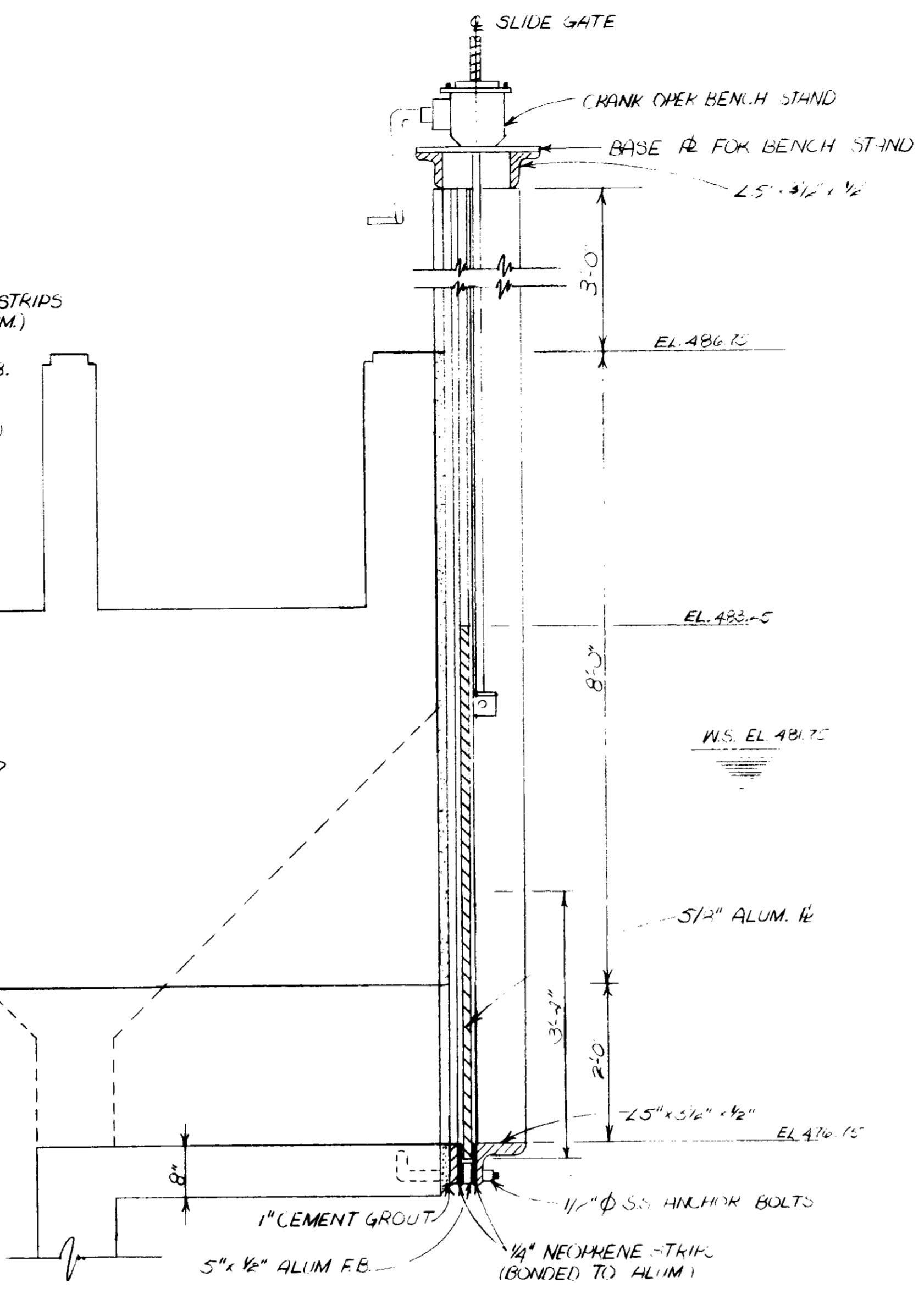
SLIDE GATE LIFT SHALL BE WATERMAN TYPE 2E-2:1, AKMCO TYPE CPE-2, OR EQUAL



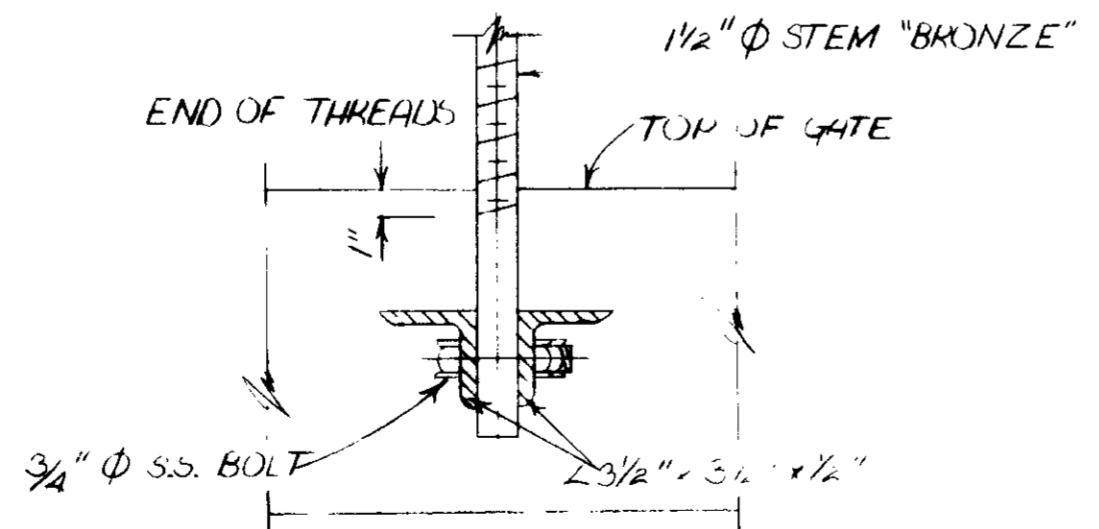
ELEVATION
SCALE: 3/4" = 1'-0"



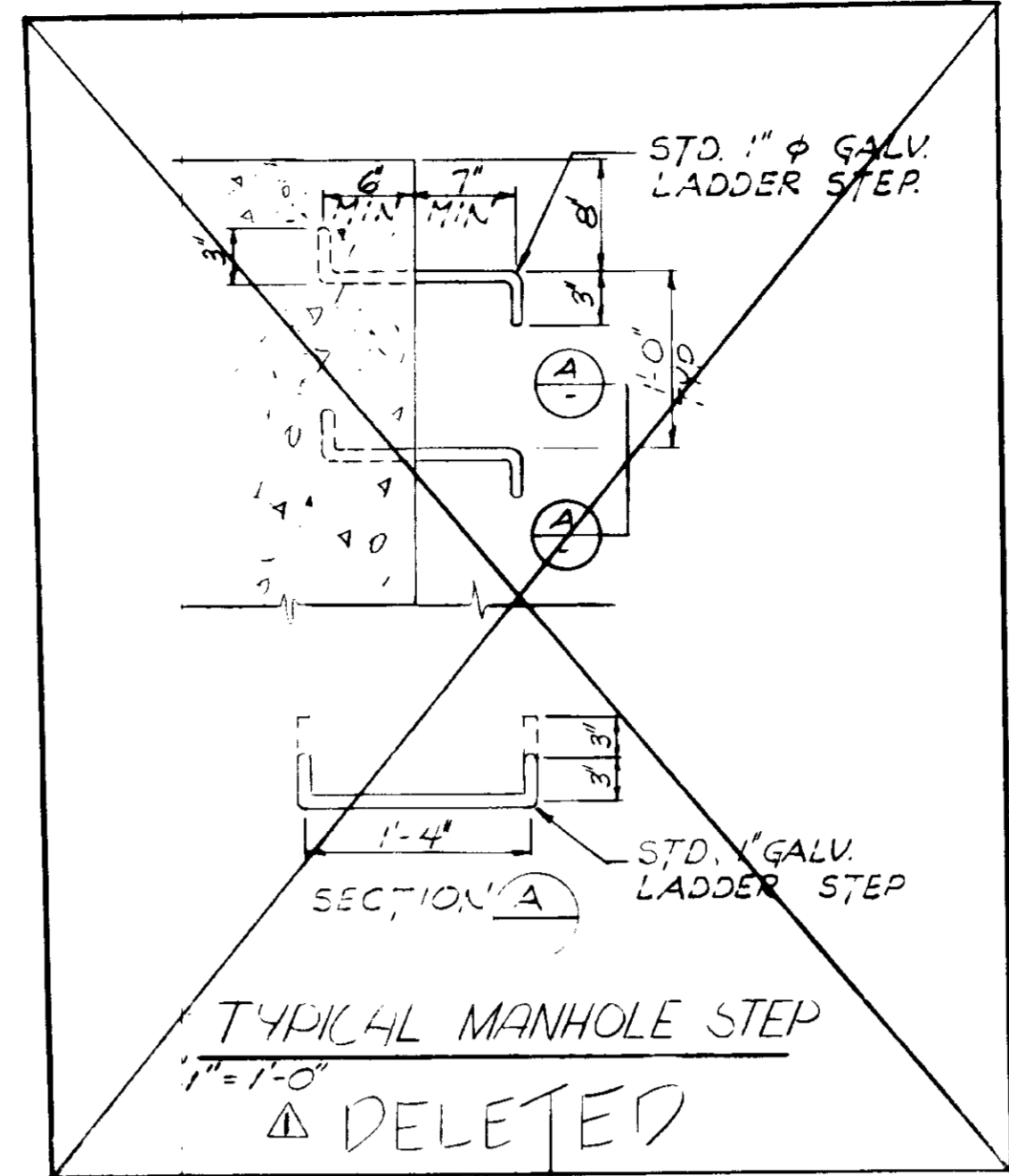
PLAN SECTION
SCALE: 3" = 1'-0"



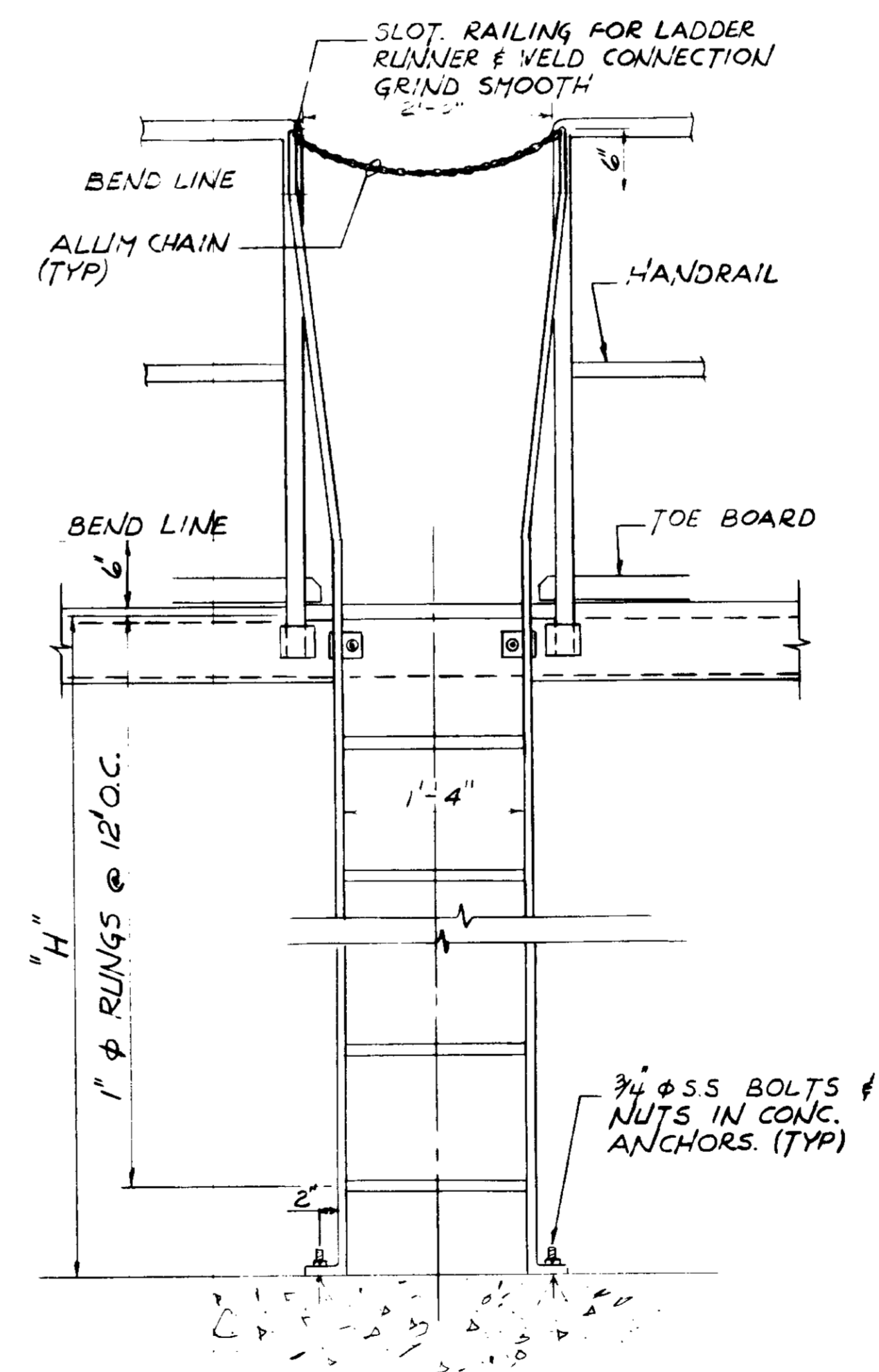
ELEVATION SECTION
SCALE: 3/4" = 1'-0"



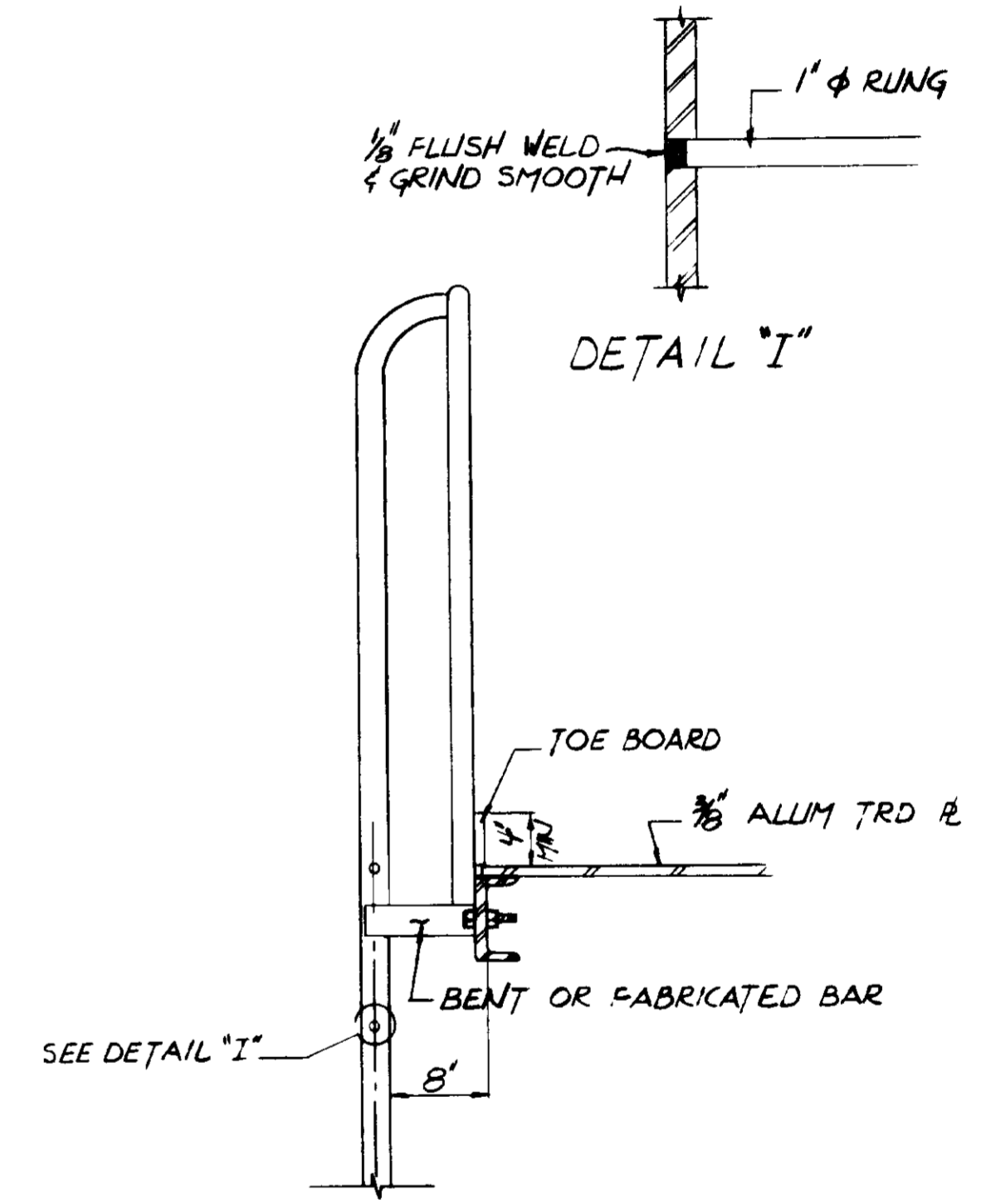
ELEVATION
SCALE: 1/2" = 1'-0"



TYPICAL MANHOLE STEP
1" = 1'-0"
DELETED



LADDER
1" = 1'-0"



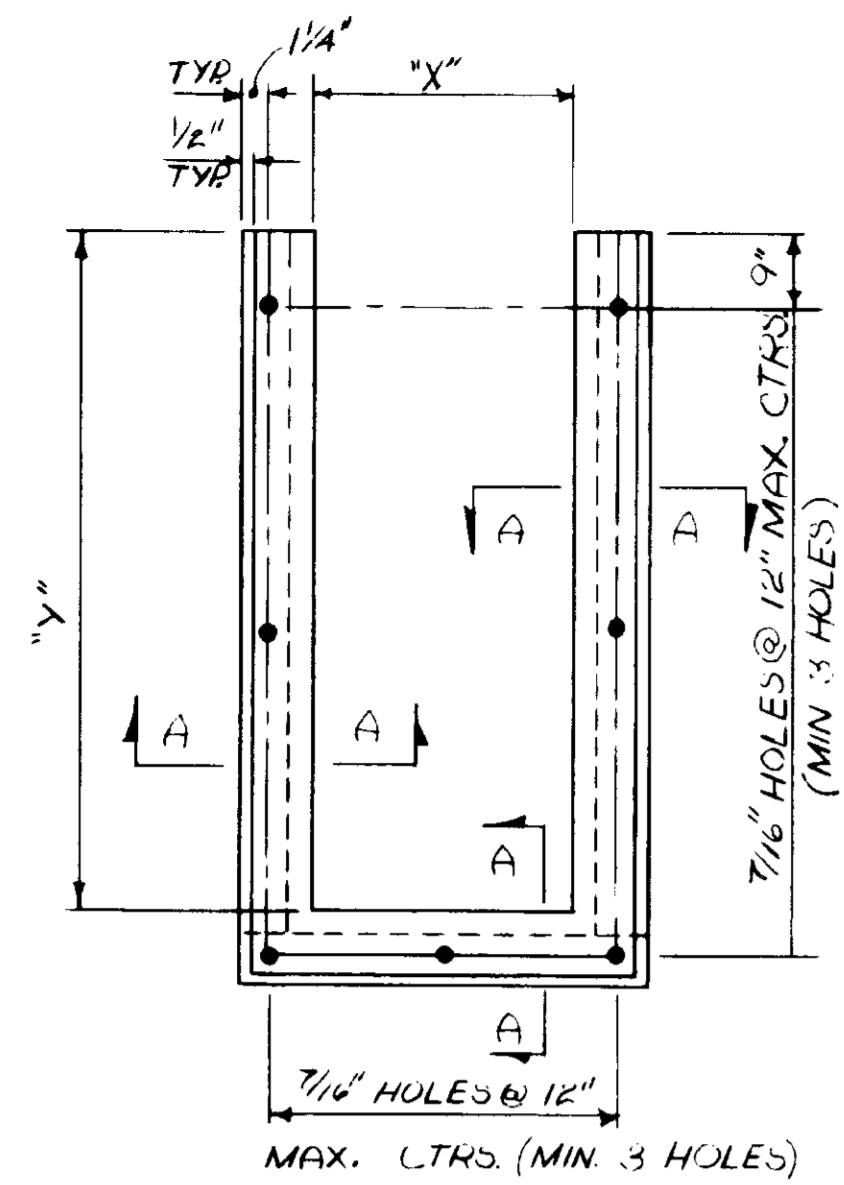
DETAIL "I"

BAR	DISTANCE BETWEEN LADDER SUPPORTS "H"
2 1/2" x 1/2"	TO 12'
3" x 3/4"	12' - 18'

RECORD DRAWINGS
Per Field Information Provided By Merley-Ziebarth & Alper
[Signature]
RCE 14038
KATOURA CONSULTING ENGINEERS March 1988

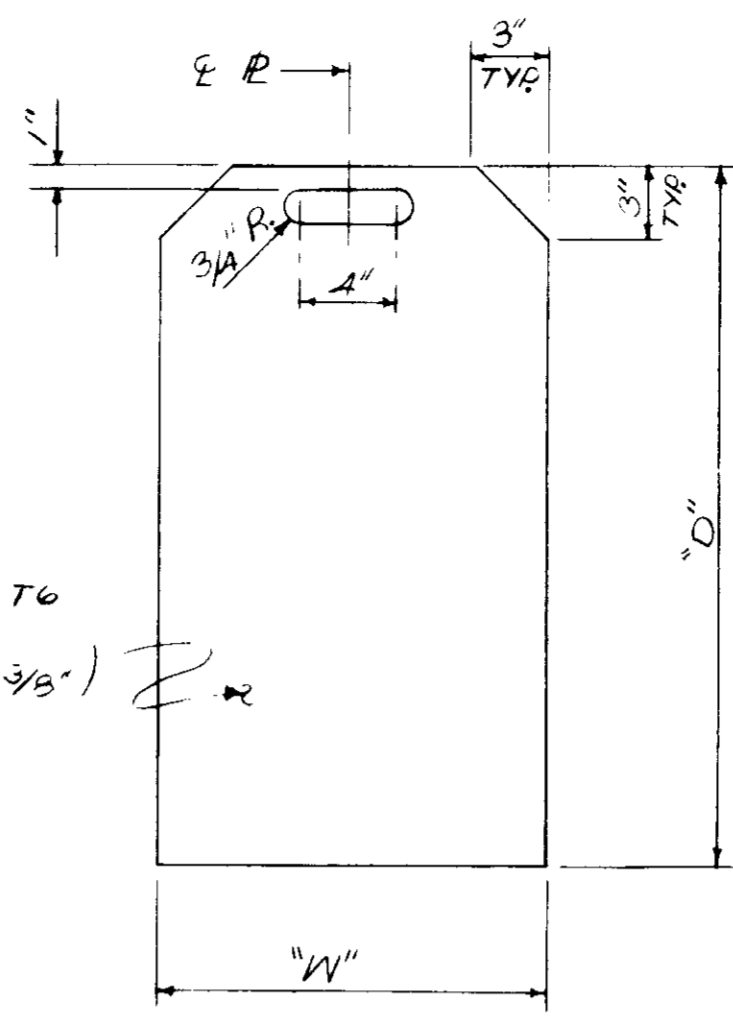
03229

SCALE: AS NOTED		DESIGNED: S.K. AAA		SUBMITTED: 14038 8/15/79		CONSULTING ENGINEERS		LAS VIRGENES MUNICIPAL WATER DISTRICT		SHEET	
DRAWN: S.K. S.V.K. CHECKED		PROJECT MANAGER: [Signature]		R.C.E. NO. DATE		A JOINT VENTURE		SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.		MM 20	
REV 7-2-81 C L REV PER MZA & JLO		PROJECT ADMINISTRATOR: [Signature]		14894 8/15/79		5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016		MISCELLANEOUS METALS			
DESCRIPTION		DESCRIPTION		DATE		(213) 9339117		TRANSFER GATE DETAILS & LADDERS			

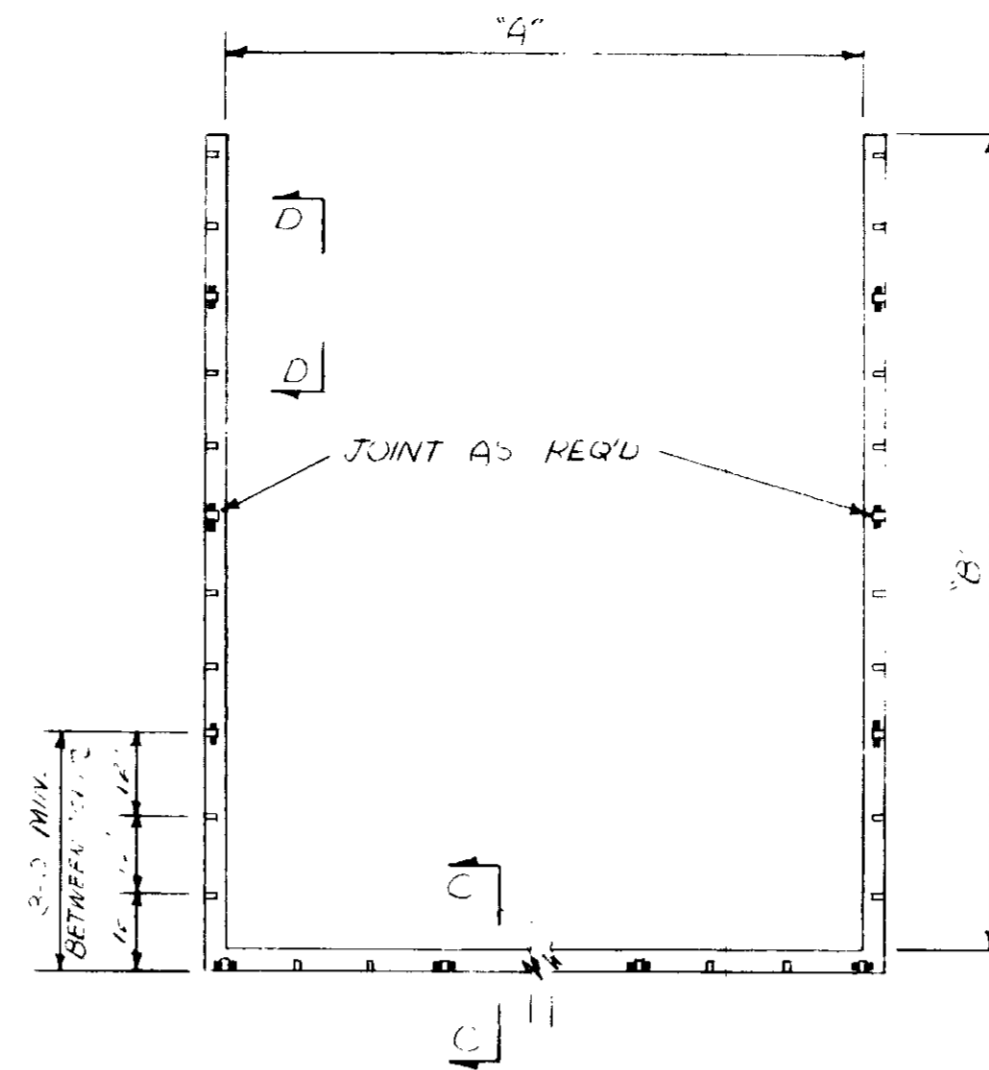


FABRICATED ALUMINUM STOP LOG NOTCH
(NOT TO SCALE)

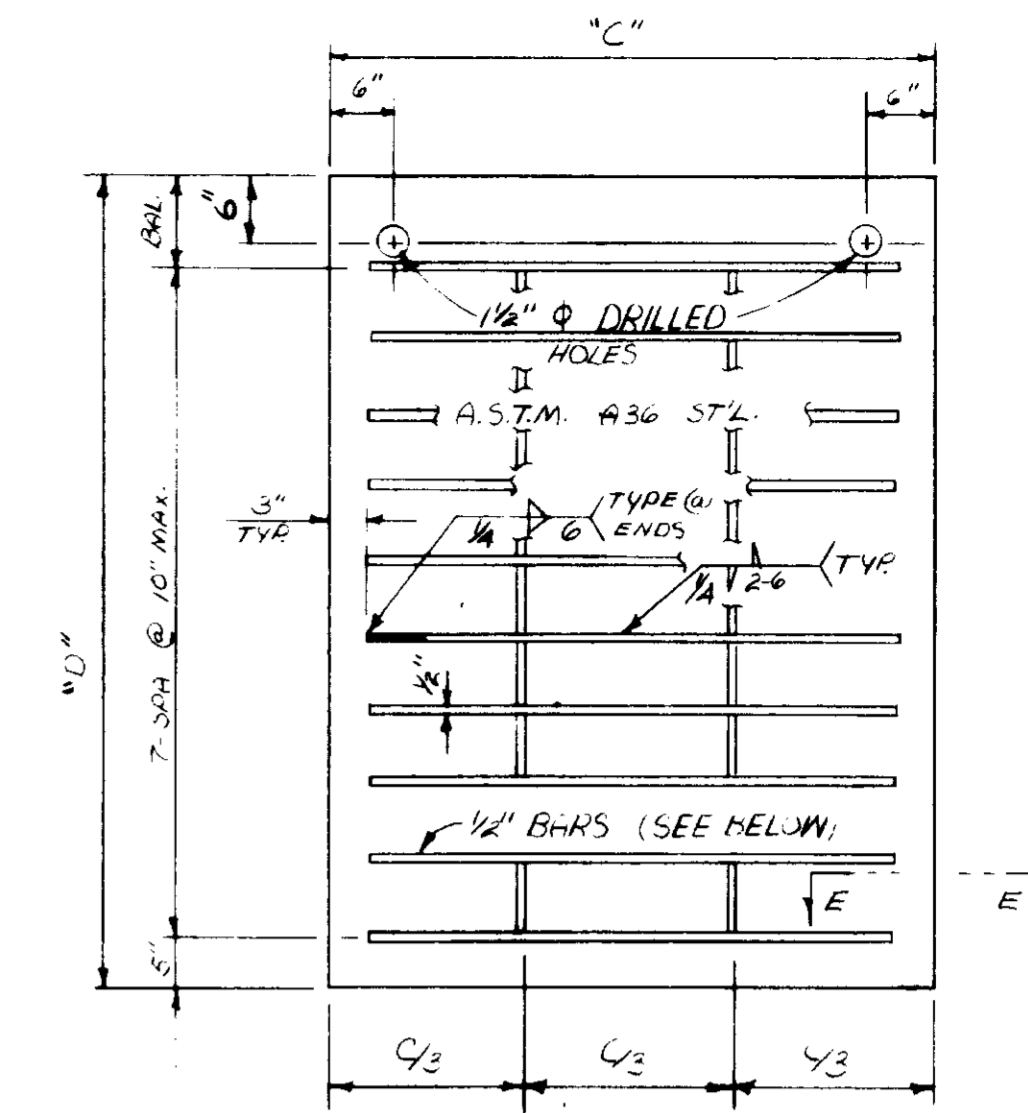
ALUM. ALLOY 6061-T6
(FOR D=3'-6", THICKNESS = 3/8")



ALUMINUM STOP LOG
(NOT TO SCALE)

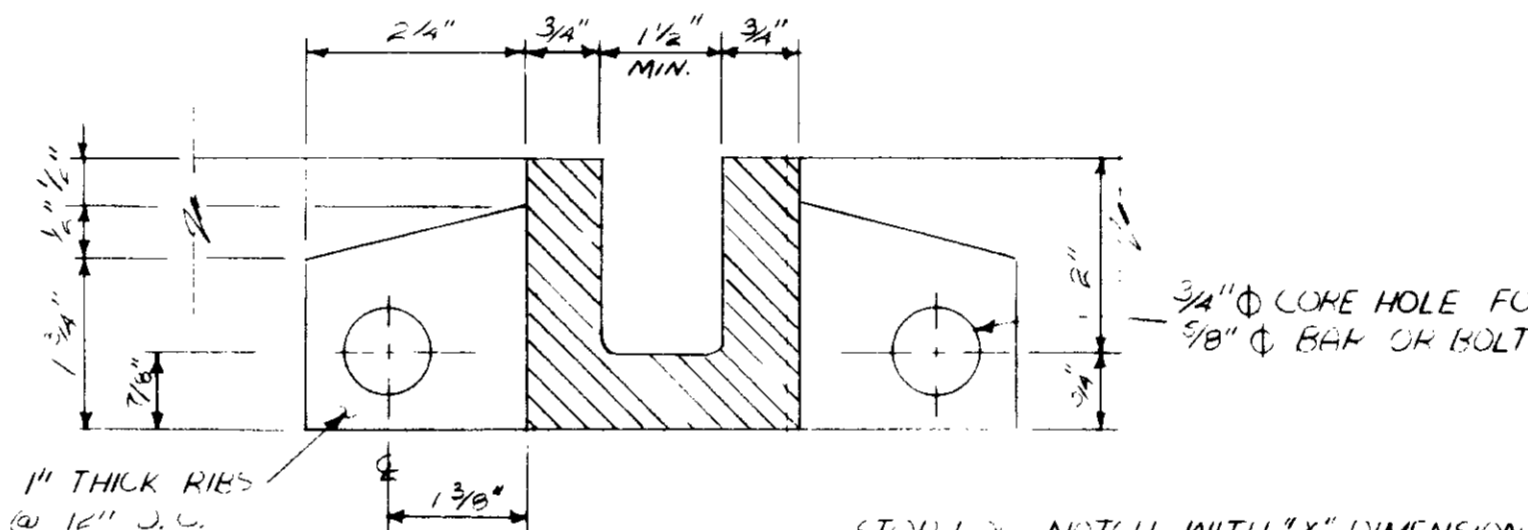


CAST IRON STOP LOG NOTCH
(VARIATION FROM STRAIGHTNESS OF ASSEMBLED NOTCH SHALL NOT EXCEED 1/4")



STEEL STOP LOG
NO SCALE
(VARIATION FROM FLATNESS SHALL NOT EXCEED 3/8")

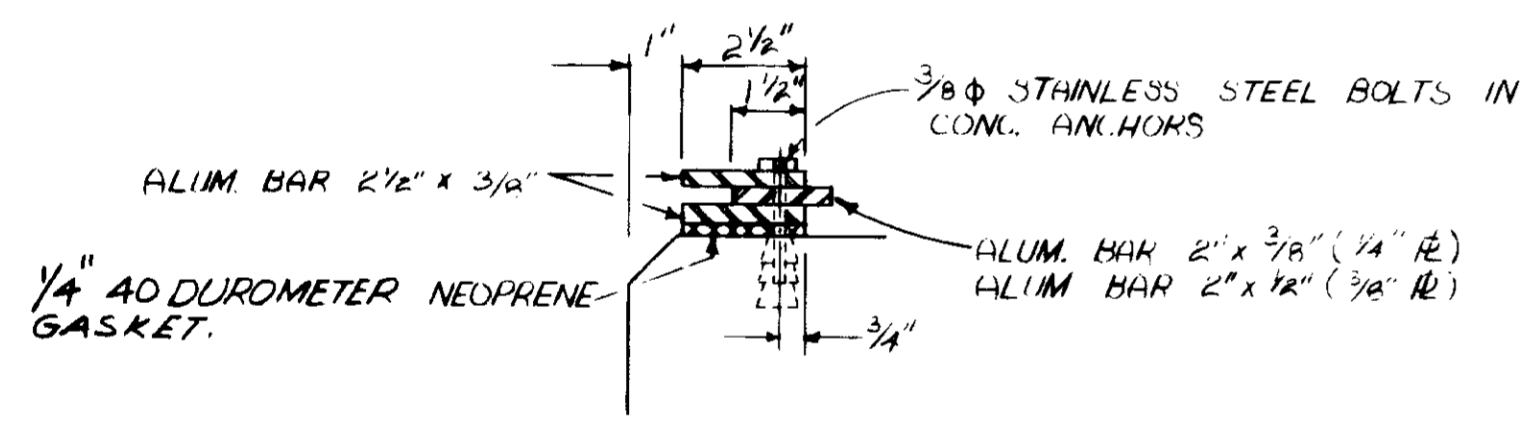
SEE PCH-C5-70 FOR RIB MODIFICATION



SECTION C-C
H-L SCALE

STOP LOG NOTCH WITH "X" DIMENSION EQUALS 1 1/2" AND "Y" DIMENSION EQUALS 2" WILL BE ACCEPTABLE AS EQUAL TO THE STOP LOG NOTCH SHOWN.

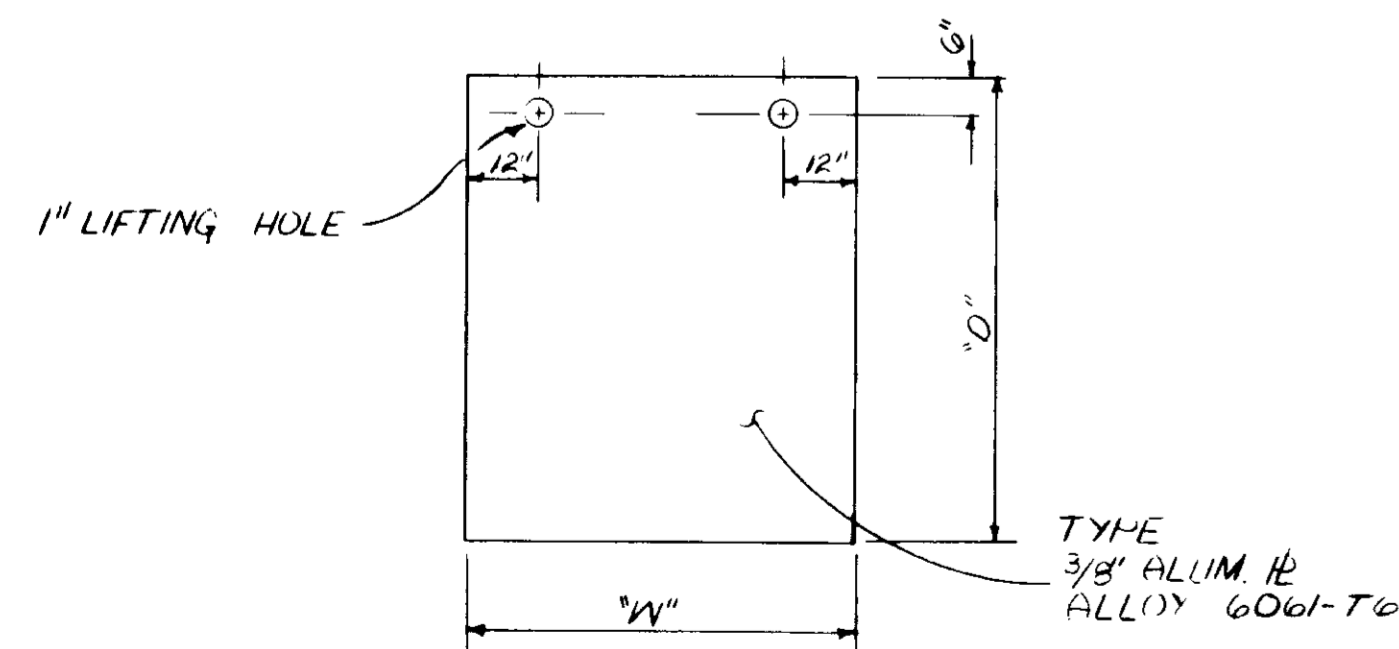
TYPE	CAST IRON NOTCH		STOP LOG		LOCATION
	NO. REQ'D	A	NO. REQ'D	B	
A	6	4'-0"	4	8'-5 1/2"	SCREENING ROOM HEADWKS.
B	4	5'-0"	2	8'-5 1/2"	CHANNELS A & B
C	2	4'-6"	2	8'-5 1/2"	CHANNELS A & B



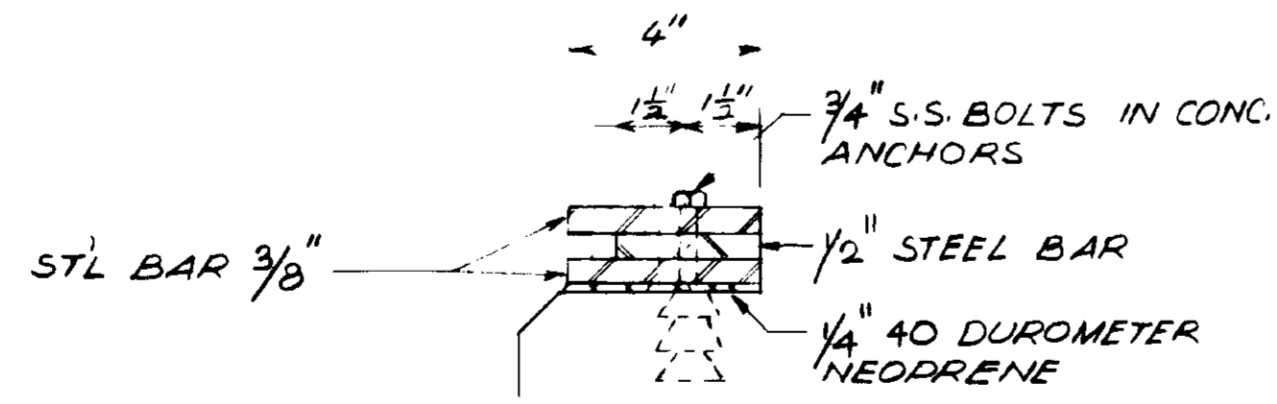
SECTION A-A
SCALE 3" = 1'-0"

SEE NOTE 1

TYPE	STOP LOG		NOTCH	
	NO. REQ'D	D	NO. REQ'D	X
I	2	1-9 1/2"	2	6'-0 1/2"
II	1	2-3 1/2"	1	6'-0 1/2"
III	2	3'-3 1/2"	2	4'-5"
IV	2	5'-1 1/2"	2	4'-11 1/2"
V	2	3'-6 1/2"	2	5'-7 1/2"
VI	1	1-9 1/2"	1	4'-5 1/2"
VII	4	2'-3 1/2"	4	6'-0"

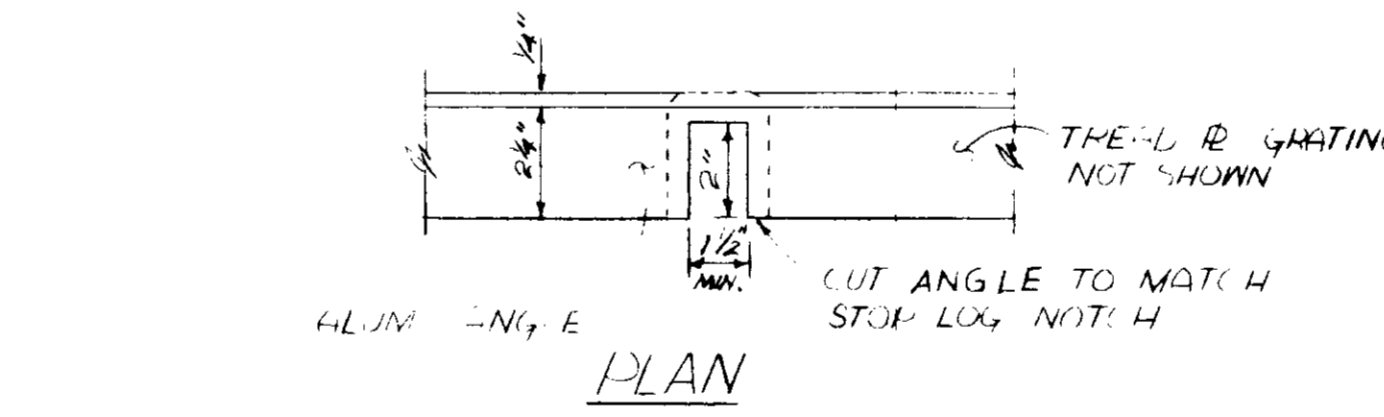


ALUMINUM STOP LOG TYPE III, IV & V
(NOT TO SCALE)

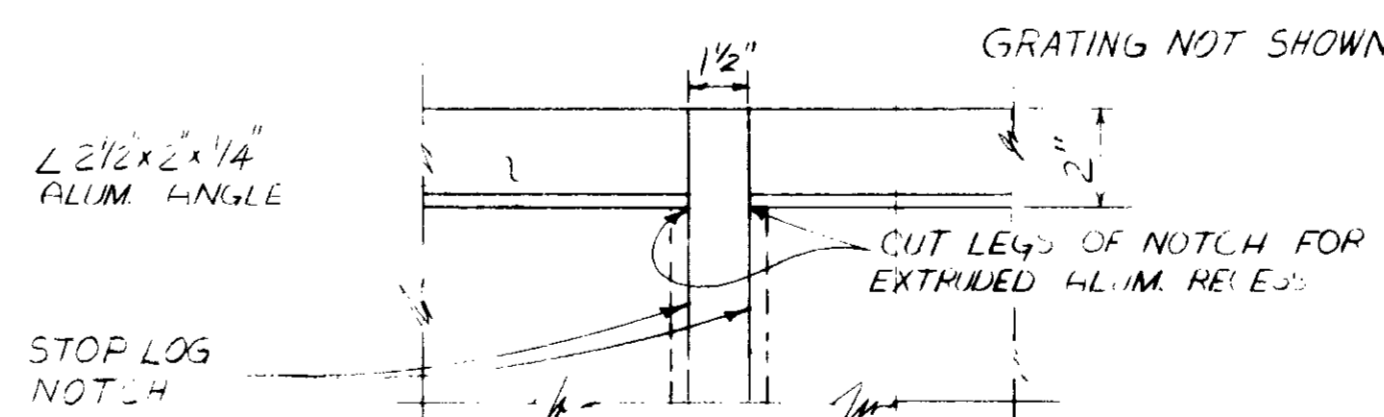


SECTION A-A (FOR TYPE VII)
(ALL STEEL)

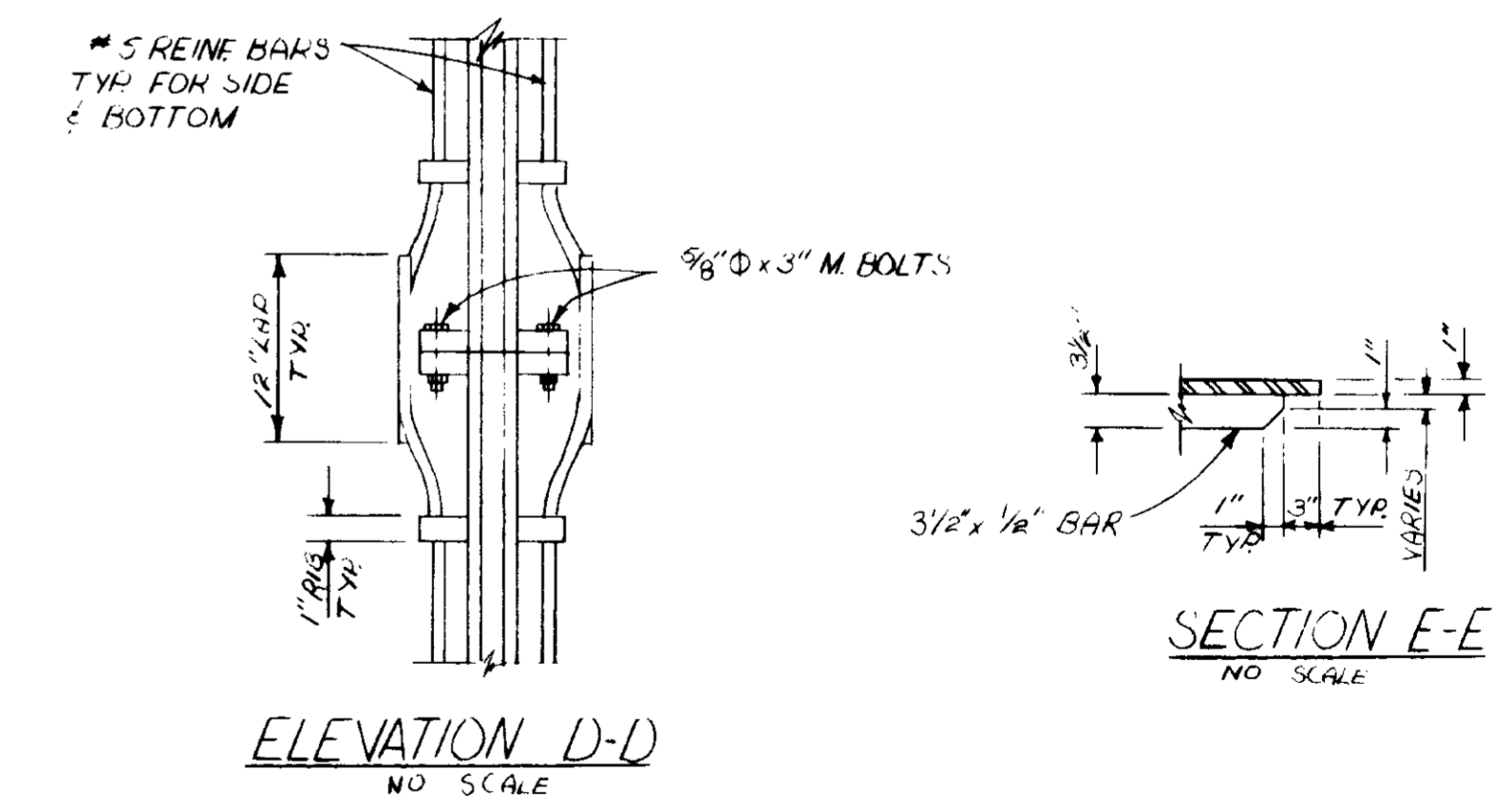
NOTE
1. TYPE VII NOTCH IS MADE OF STL, STOP LOG IS ALUM.
2. BOLT HOLES FOR TYPE VII. SEE MM-13.



PLAN



ELEVATION
RECESS CUT-OUT FOR STOP LOG NOTCH
SCALE 2" = 1'-0"



ELEVATION D-D
NO SCALE

SECTION E-E
NO SCALE

RECORD DRAWINGS

Per Field Information Provided By Marley-Zlobarth & Alper

John V. Alper RCE 14038

KATSURA CONSULTING ENGINEERS March 1988

03230

REV	DATE	BY	DESCRIPTION

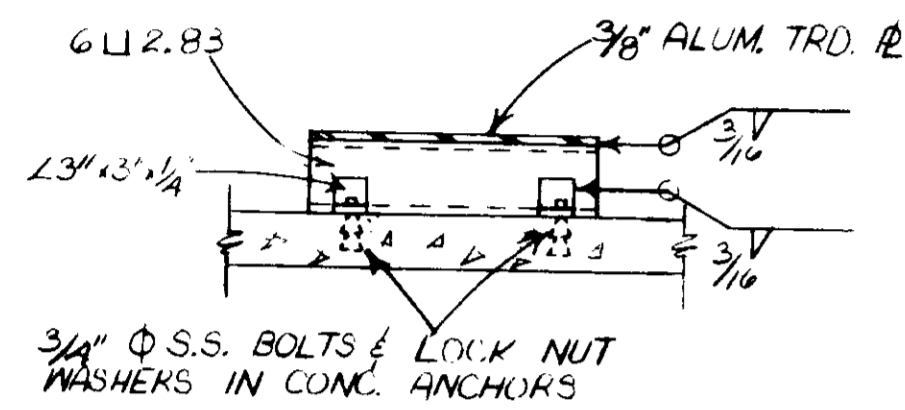
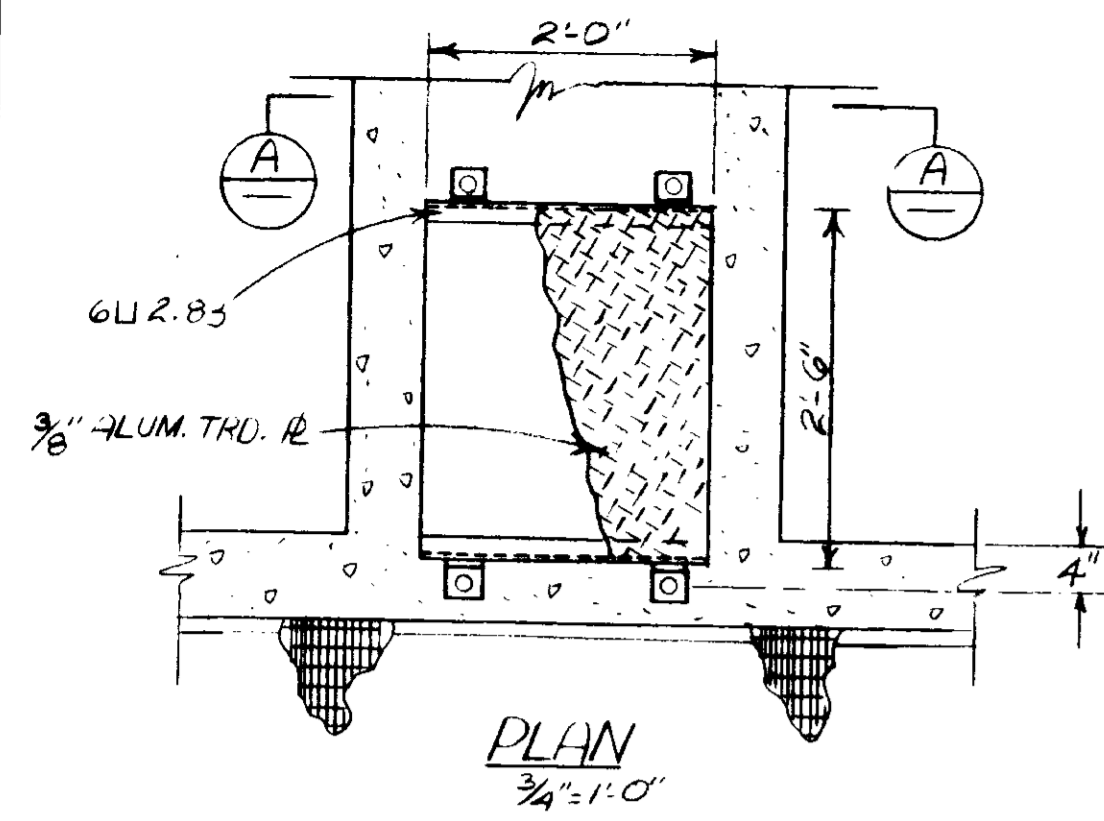
SCALE :	AS NOTED
DESIGNED :	AAA
DRAWN :	AAA
CHECKED :	SJK

SUBMITTED :	14038	8/15/79
PROJECT MANAGER :	R.C.E. NO.	DATE
PROJECT ADMINISTRATOR :	14894	8/15/79
R.C.E. NO.	DATE	

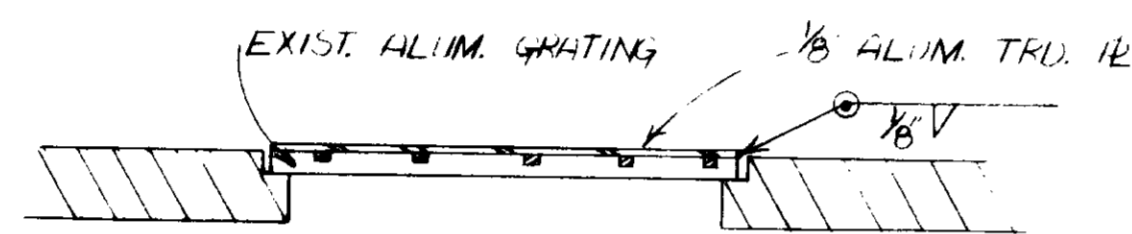
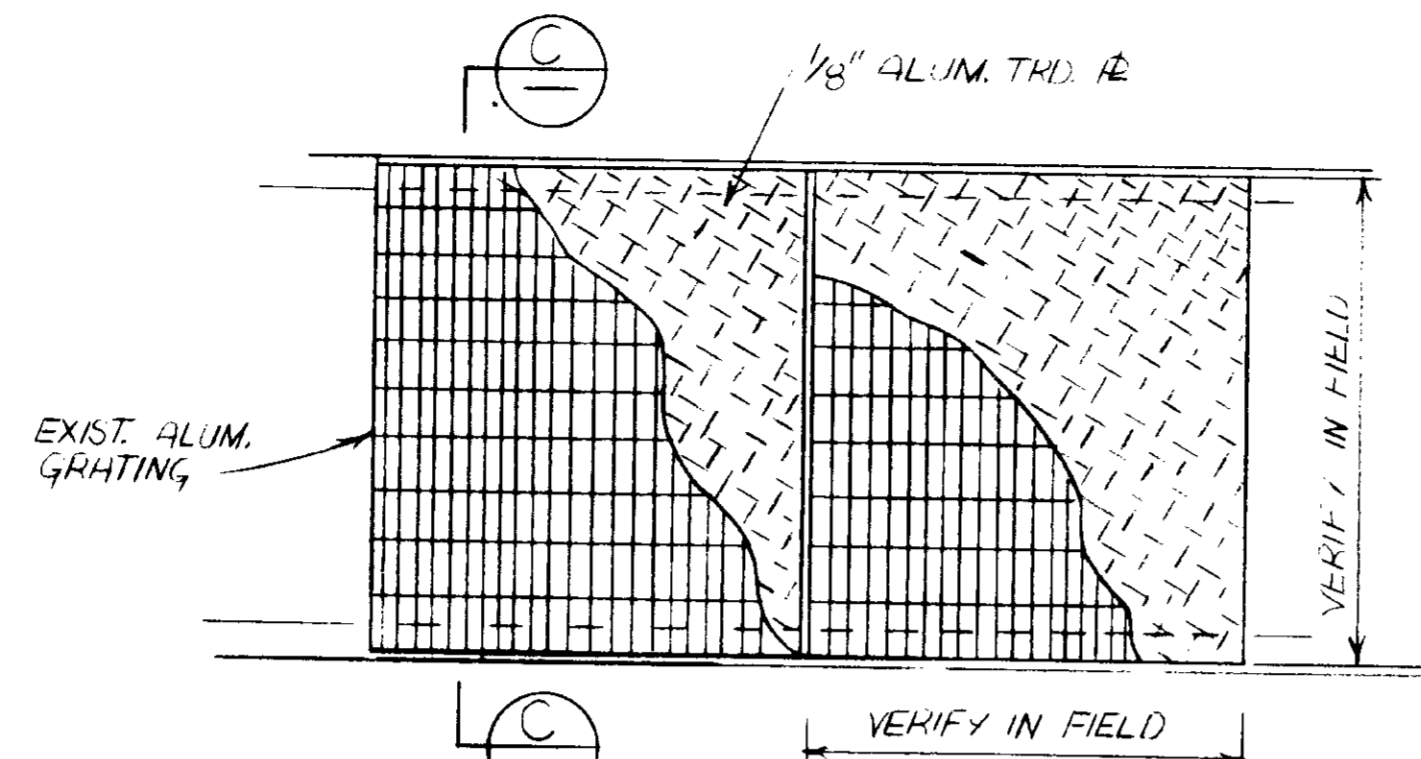
JKE CONSULTING ENGINEERS
A JOINT VENTURE
6001 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
MISCELLANEOUS METALS
STOP LOG & NOTCH, TYPICAL DETAILS

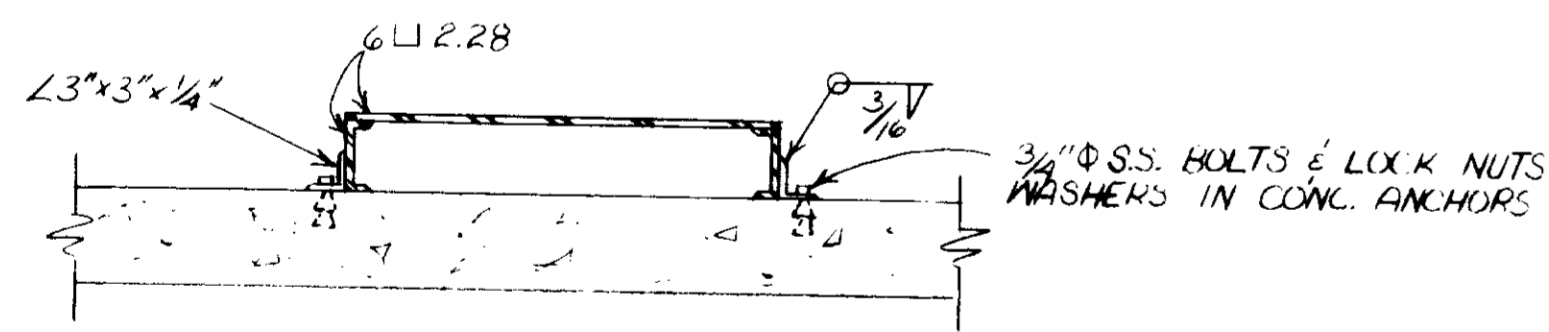
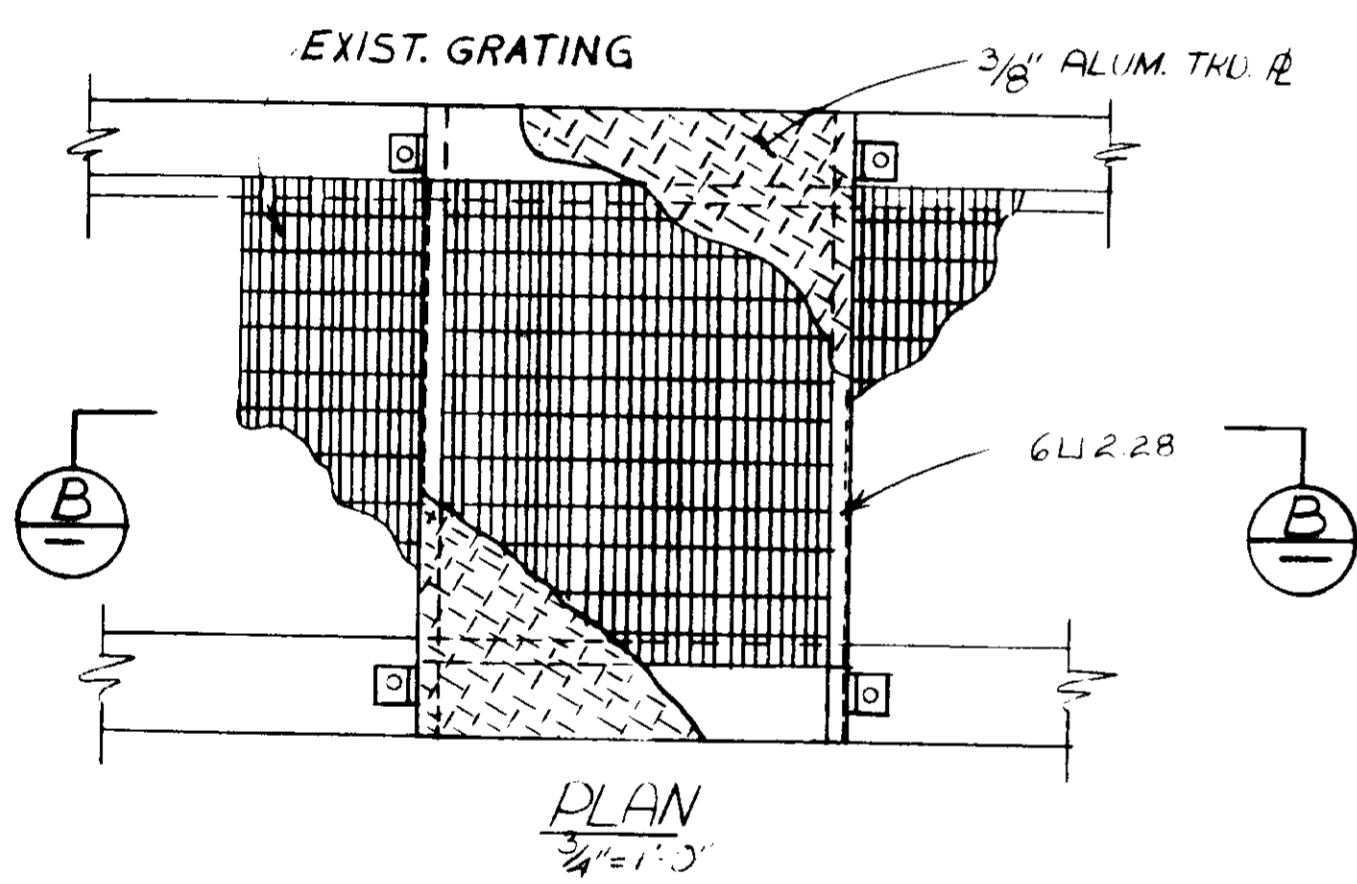
SHEET
MM-21



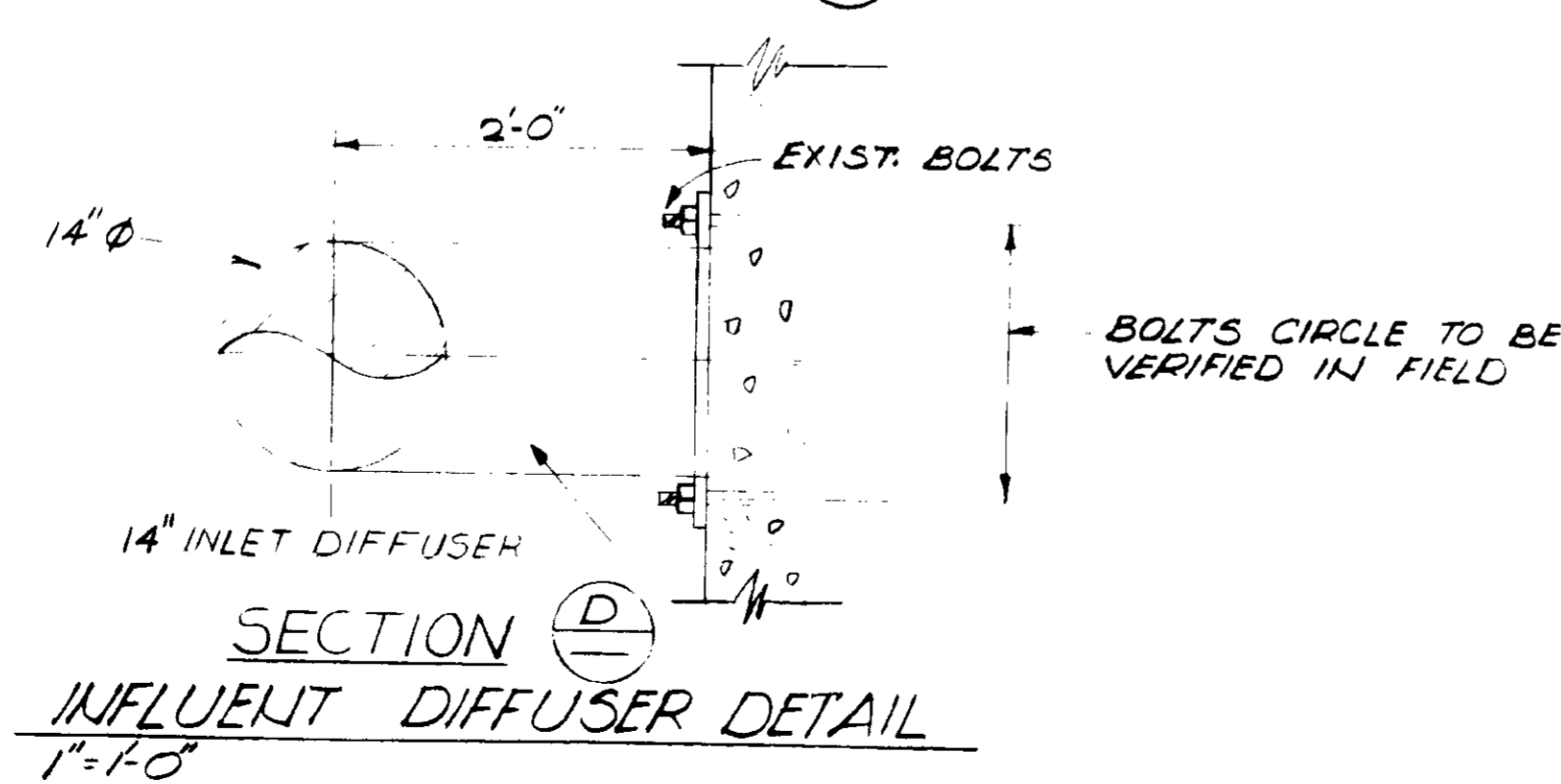
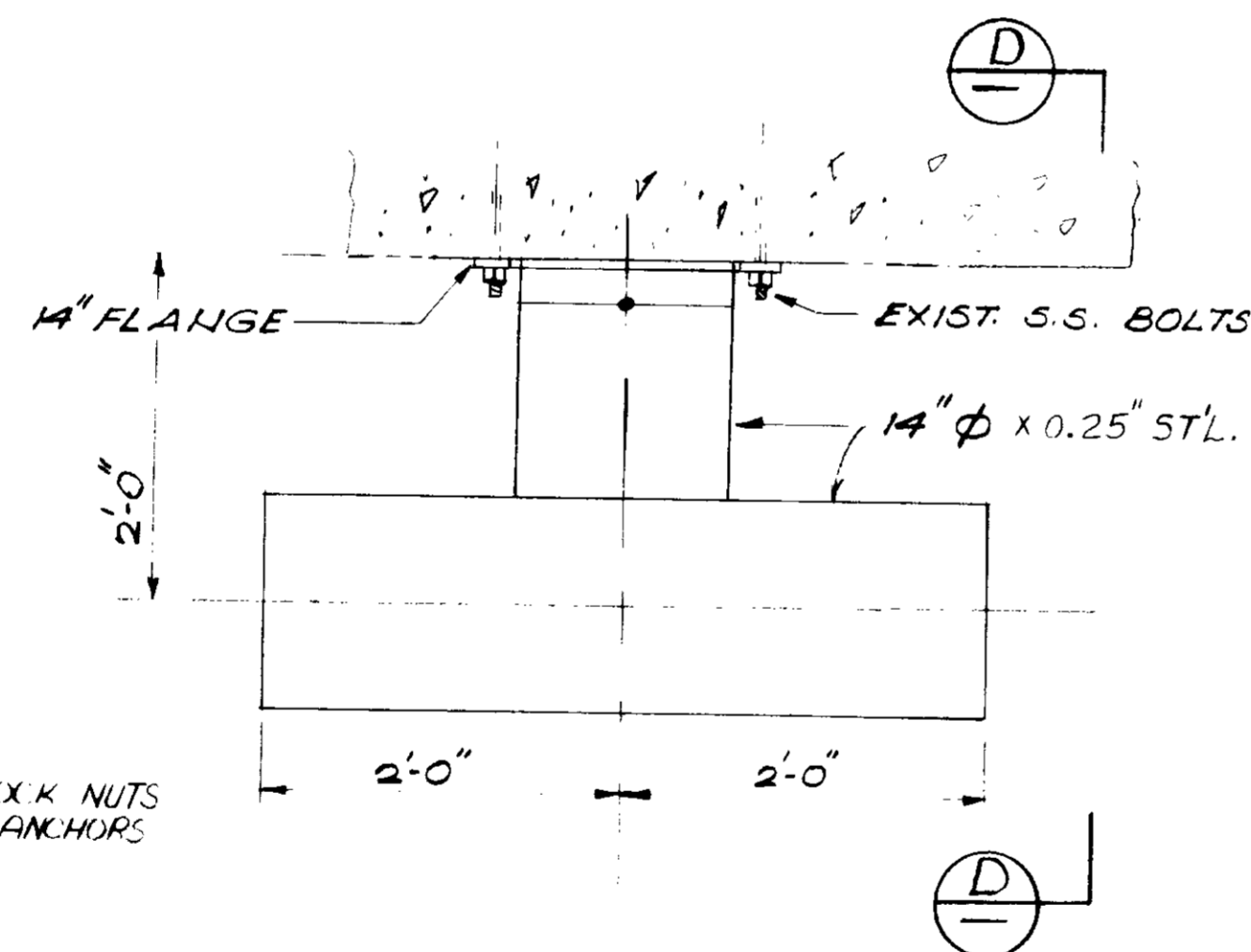
SECTION A-A
3/4" = 1'-0"
ELECTRICAL CONDUIT COVER STEP 1



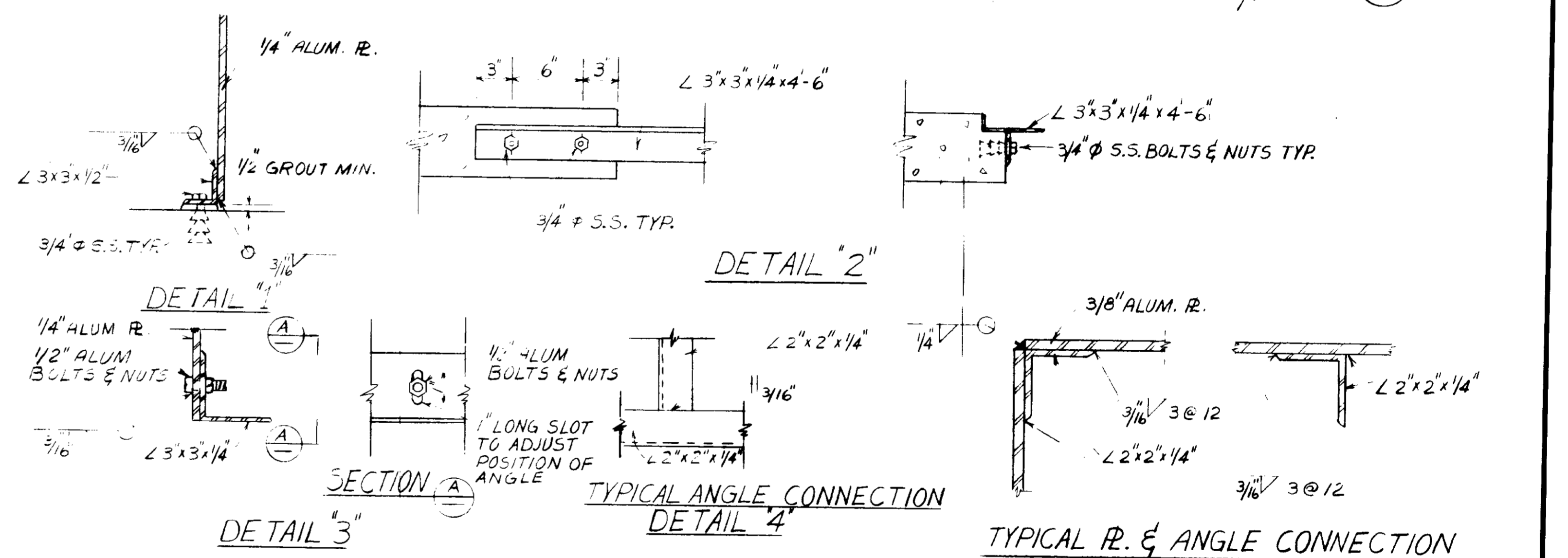
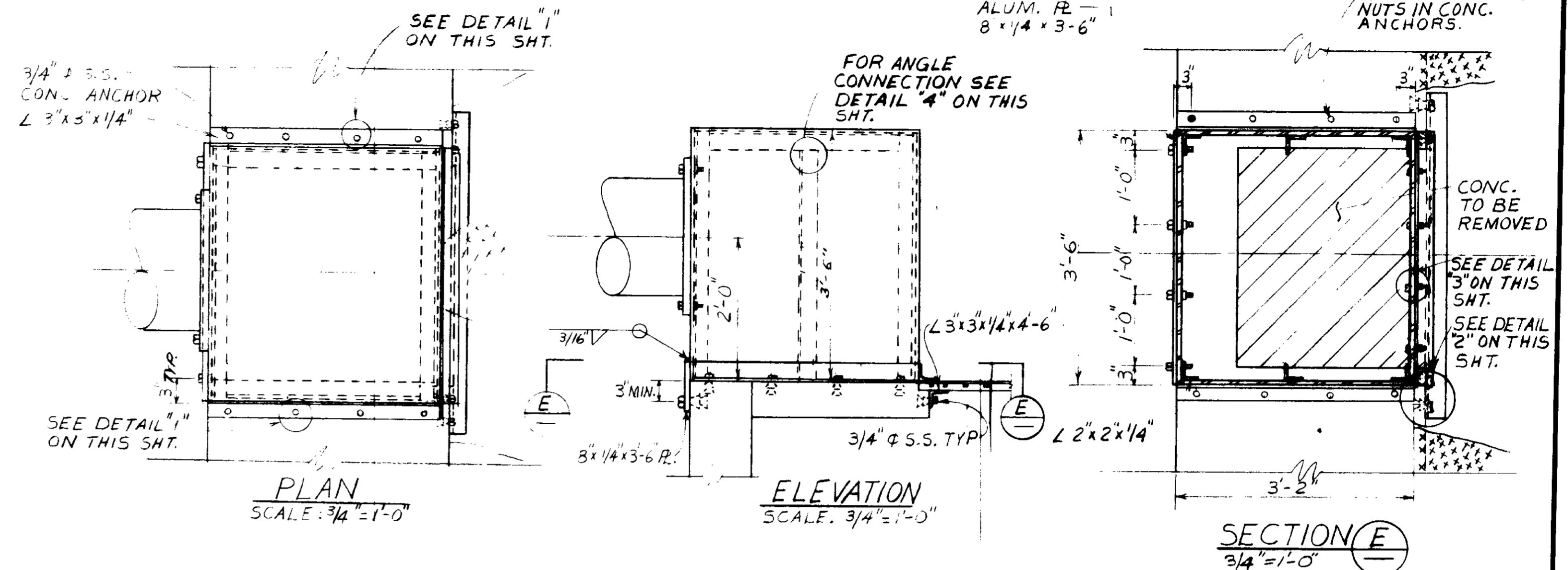
SECTION C-C
GRATING COVER @ CHANNEL NO. 3



SECTION B-B
3/4" = 1'-0"
ELECTRICAL CONDUIT COVER STEP 2



SECTION D-D
INFLUENT DIFFUSER DETAIL
1" = 1'-0"



DETAILS ARE NOT TO SCALE
EXHAUST AIR BOX

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

SCALE :	DwV
AS NOTED	DESIGNED
	DwV
	DRAWN
	S.K.
	CHECKED

SUBMITTED	14038	8/15/79
DESIGNED	DwV	R.C.E. NO.
DRAWN	S.K.	DATE
CHECKED		
PROJECT MANAGER	14894	8/15/79
PROJECT ADMINISTRATOR		R.C.E. NO.
		DATE

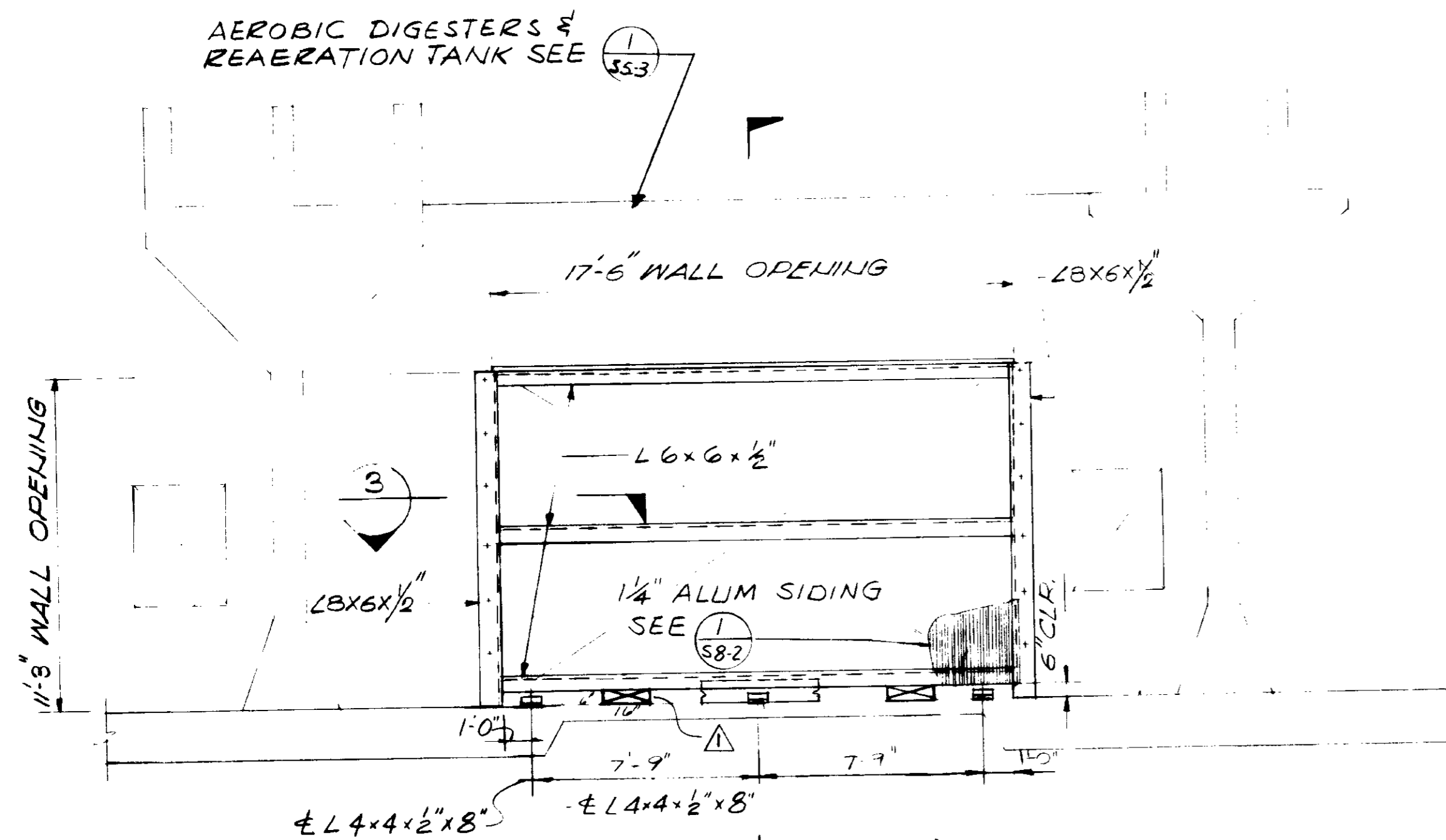
JK CONSULTING ENGINEERS
A JOINT VENTURE
5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

RECORD DRAWINGS
Per Field Information Provided By Morley-Zlobarth & Alper
Yuh Valentin
RCE 14038
March 1988
03231

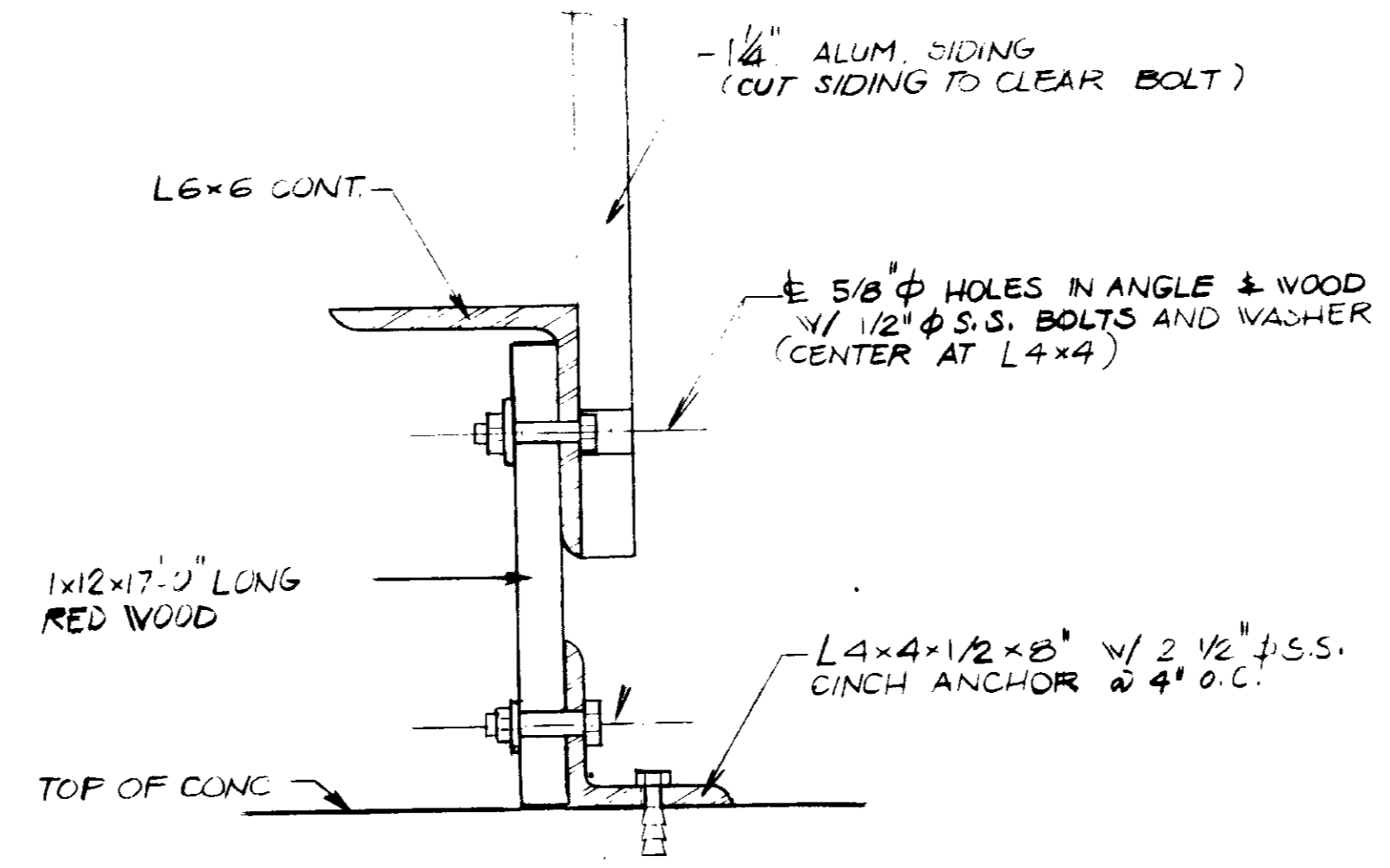
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.

MISCELLANEOUS METALS
MISCELLANEOUS DETAILS

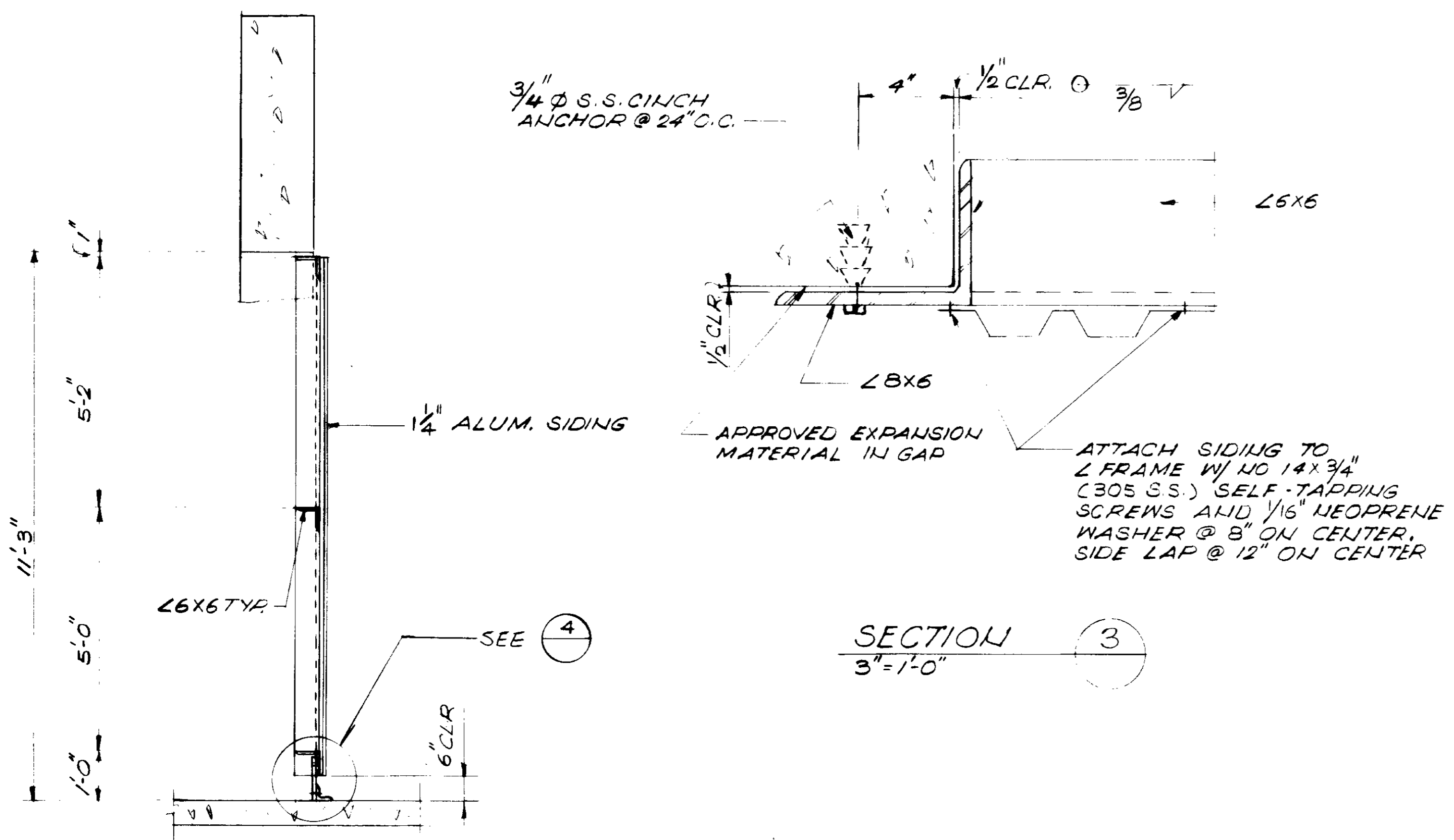
SHEET	MM-22
-------	-------



BAFFLE ELEVATION
1/4" = 1'-0" (B REQUIRED)



SECTION
SCALE 3" = 1'-0"



SECTION
1/2" = 1'-0"

SECTION
3" = 1'-0"

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

[Signature]
RCE 14088
KATSURA CONSULTING ENGINEERS March 1985

03232

REV	DATE	BY	DESCRIPTION
7-2-84	CL	REV PER MZA & JCE	

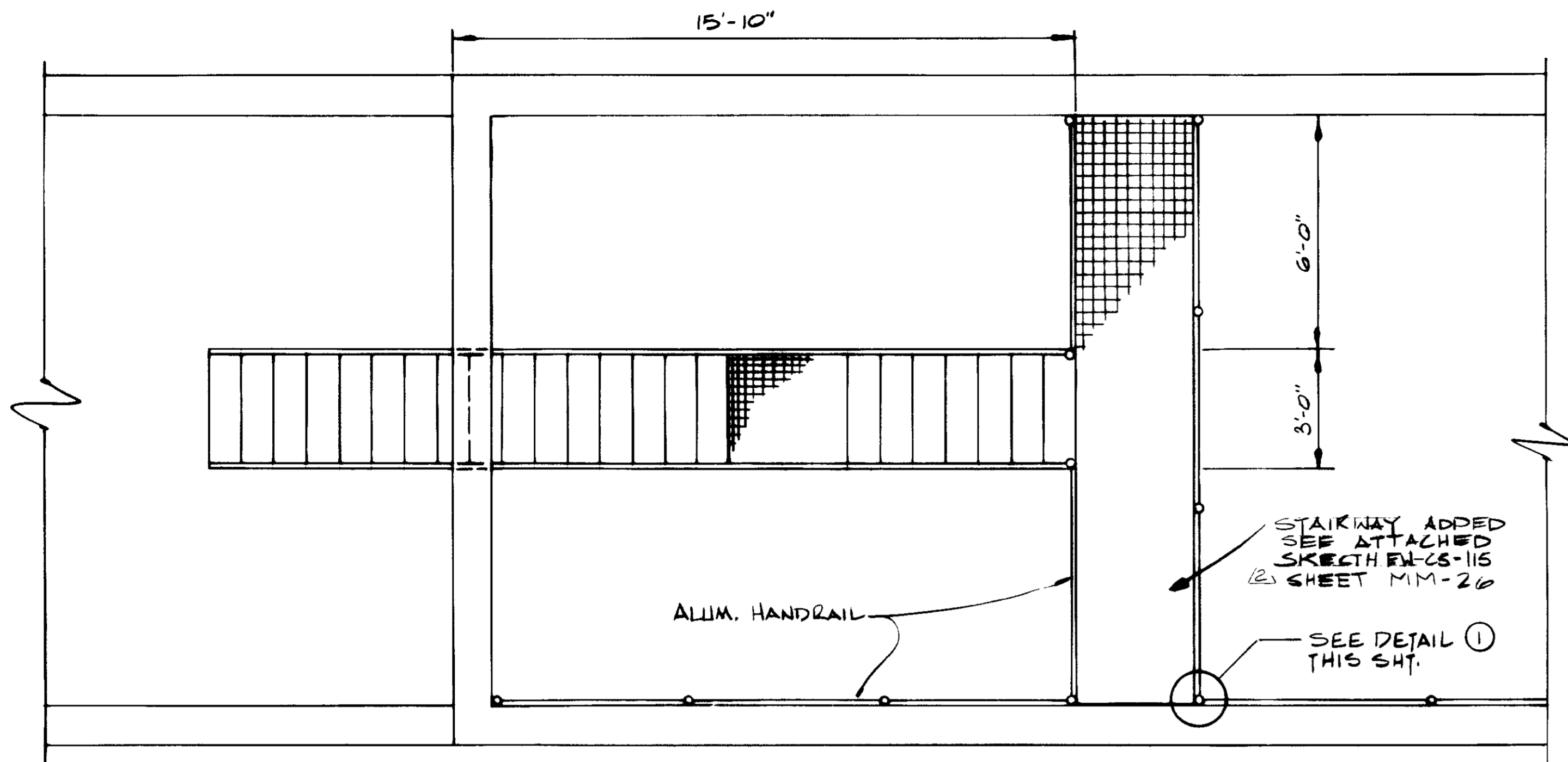
SCALE :	DWV
AS NOTED	DESIGNED
	DWV
	DRAWN
	SK
	CHECKED

SUBMITTED BY	14038	8/15/79
PROJECT MANAGER	R.C.E. NO.	DATE
PROJECT ADMINISTRATOR	14884	8/15/79
	R.C.E. NO.	DATE

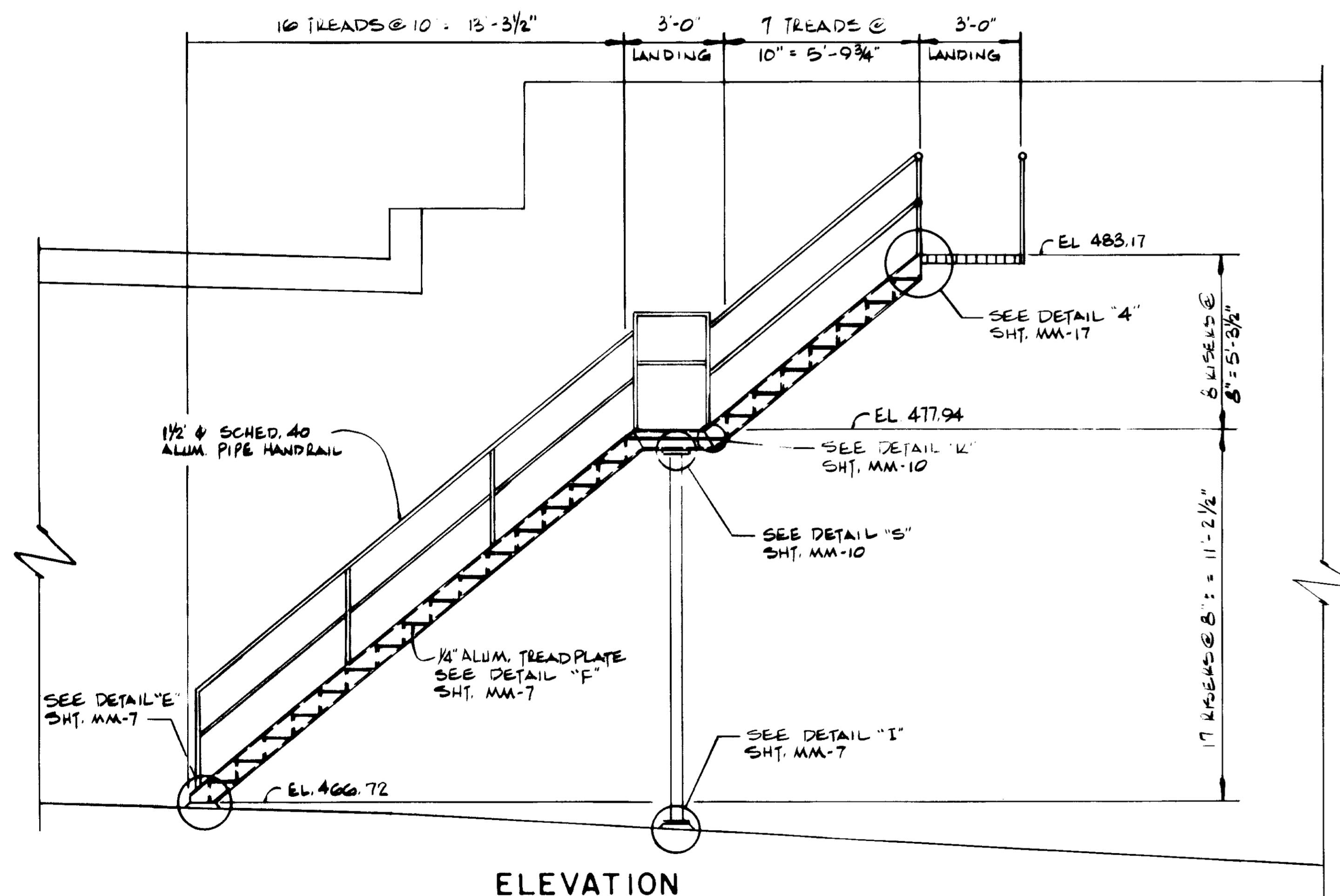
JKE CONSULTING ENGINEERS
A JOINT VENTURE
5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 833-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
MISCELLANEOUS METALS
OPENING BAFFLE

SHEET
MM - 23

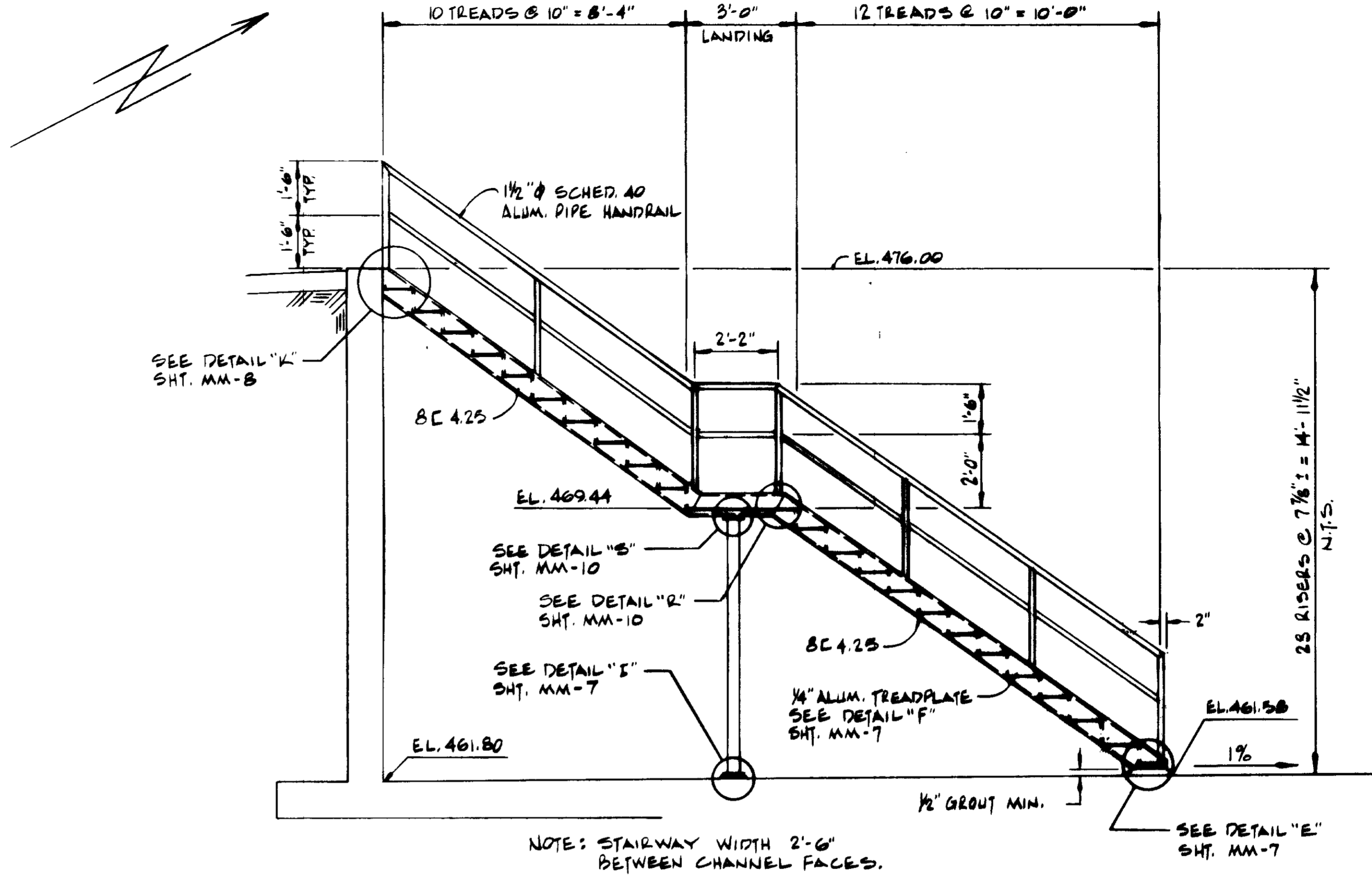


PLAN

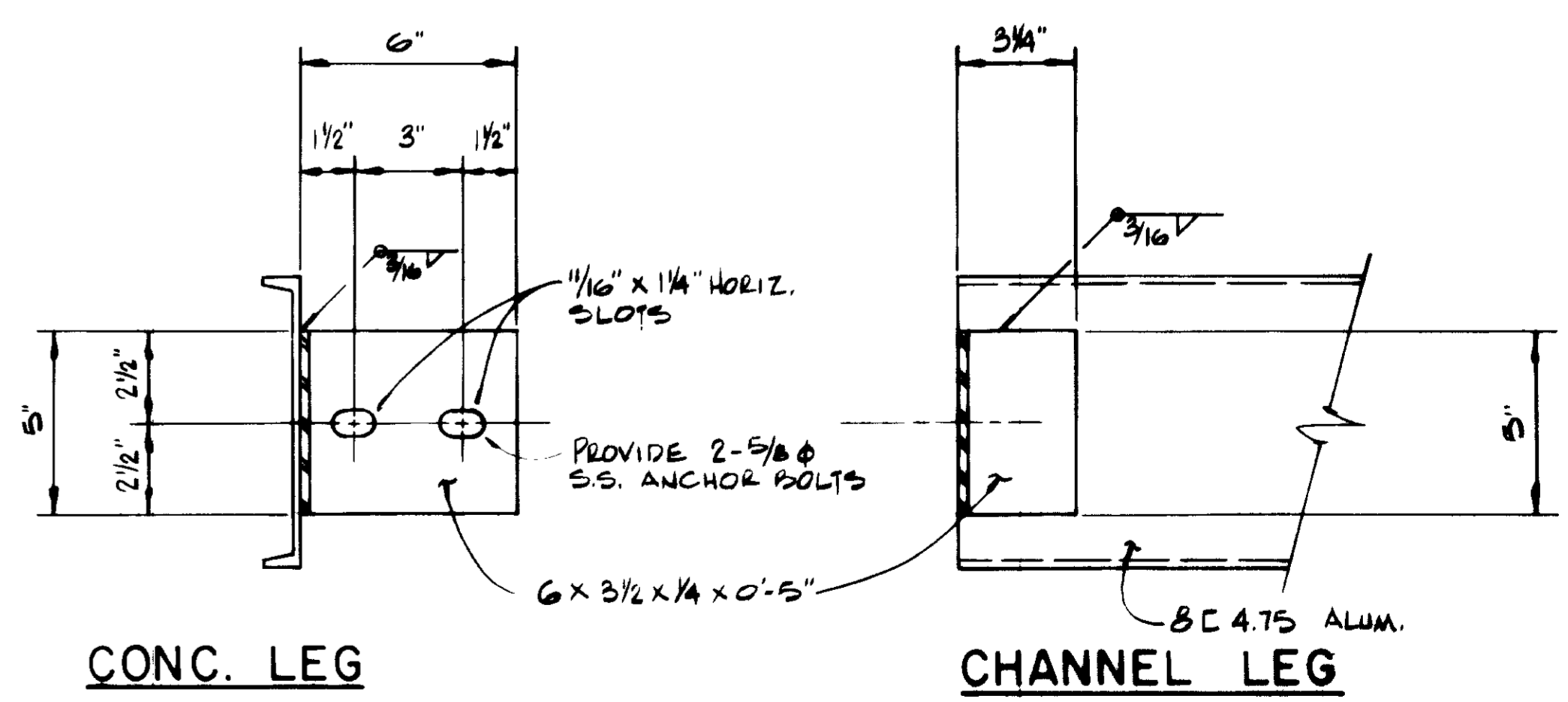


ELEVATION

**SOUTH ACCESS STAIRWAY
NORTH/SOUTH GALLERY**
3/8" = 1'-0"



**WEST ACCESS STAIRWAY
EAST/WEST GALLERY**
3/8" = 1'-0"

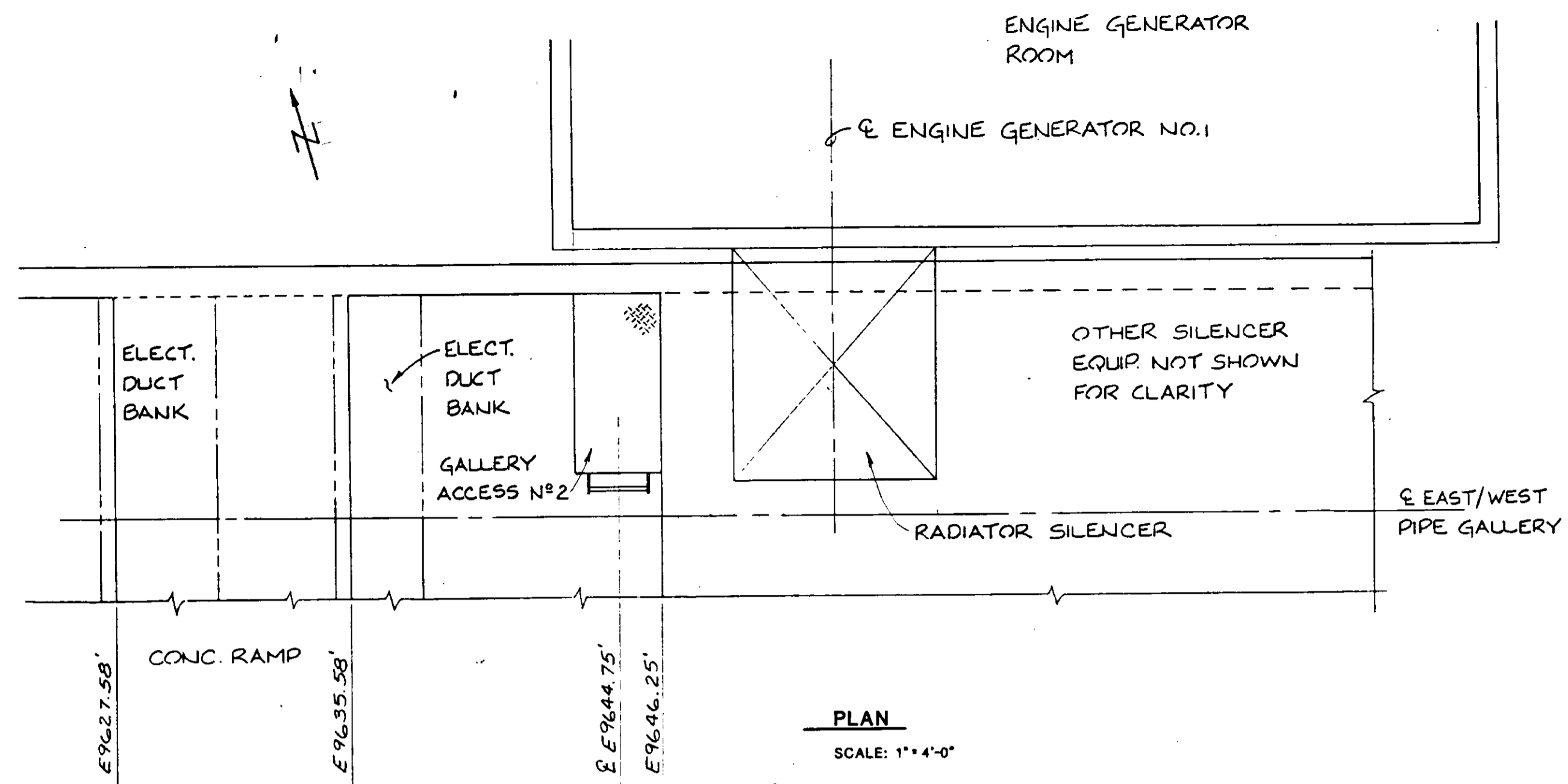


DETAIL 1
3" = 1'-0"

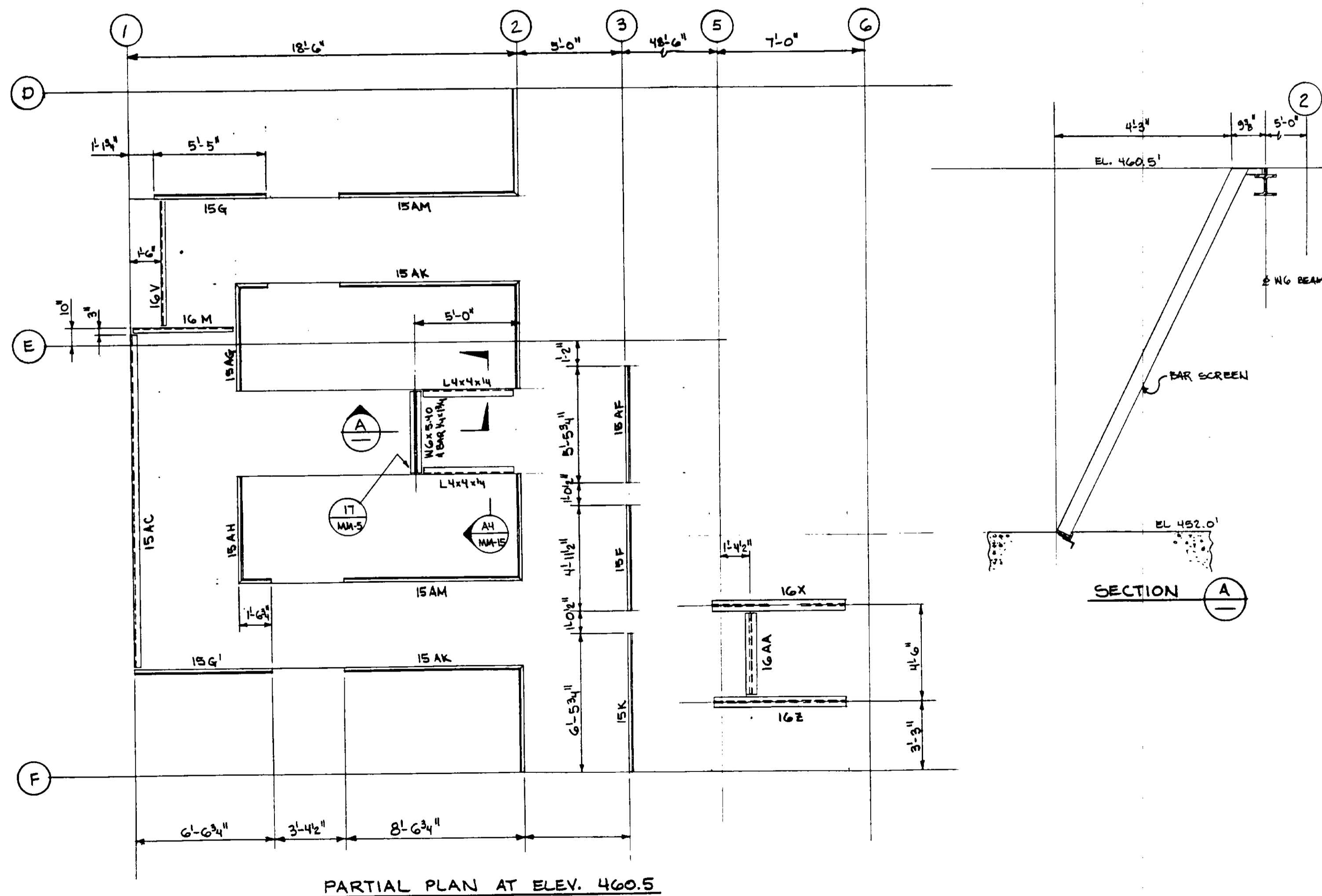
03233

RECORD DRAWING
Per Field Inspection Provided by Morley-Zlotoff & Alper
Y. Katsura R.E. 14888
MARCH 1988
KATOURA CONSULTING ENGINEERS

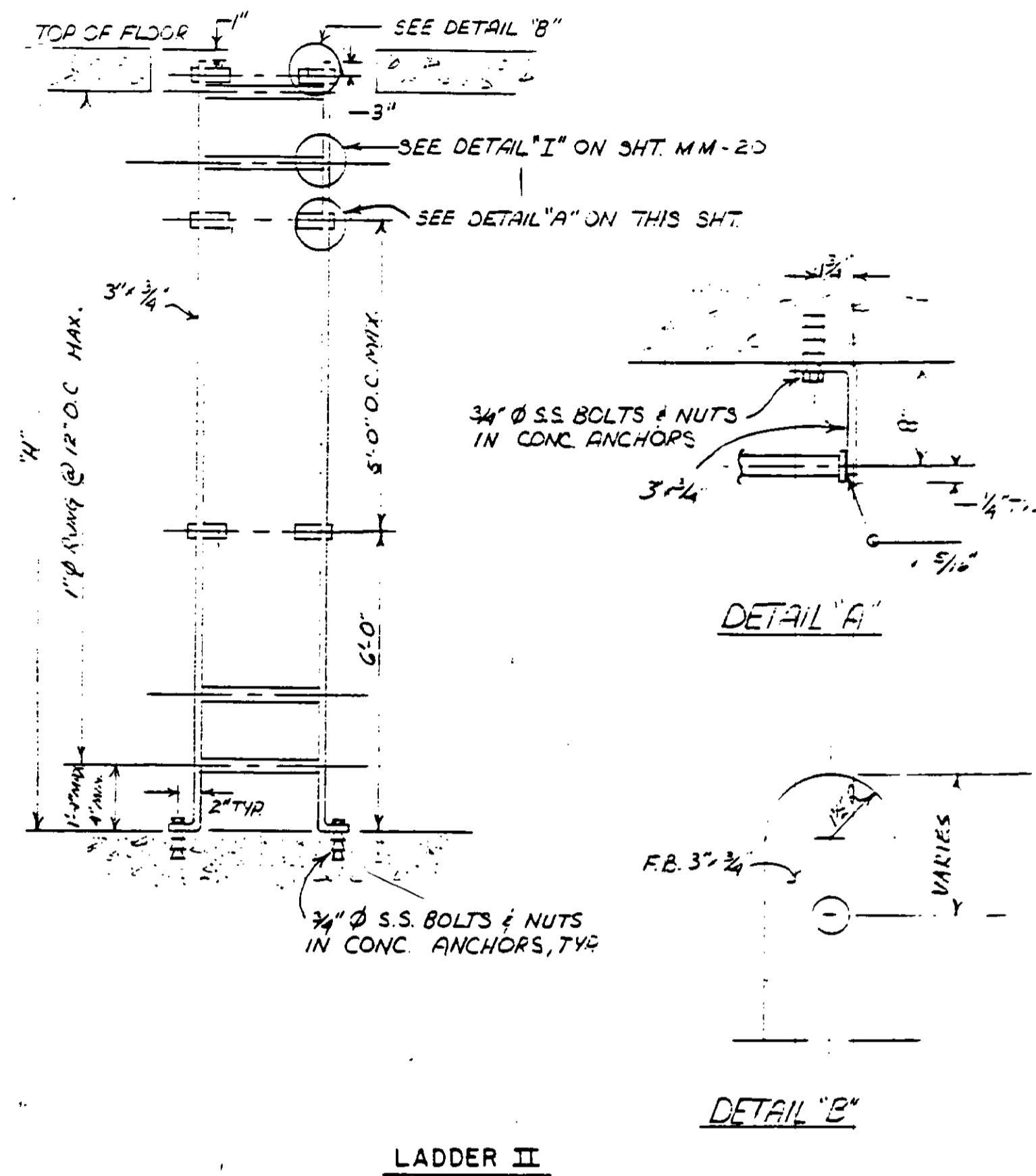
SCALE : AS NOTED DESIGNED : R. EWING DRAWN : N. OKONIEWSKI CHECKED : Y. KATSURA		SUBMITTED : 14888 12-26-79 PROJECT MANAGER : R.C.E. NO. DATE PROJECT ADMINISTRATOR : 14884 12-26-79 R.C.E. NO. DATE		LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. GALLERY ACCESS STAIRWAYS		SHEET MM-24	
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION



REVISD GALLERY ACCESS NO. 2
 REFERENCE DRAWING: SKMM-23A
 PLAN CHANGE: RH-25-43



GRATING/MISC. METALS AT HEADWORKS
 REFERENCE DRAWING: SKMM-1A
 EXTRA WORK: EW-25-16



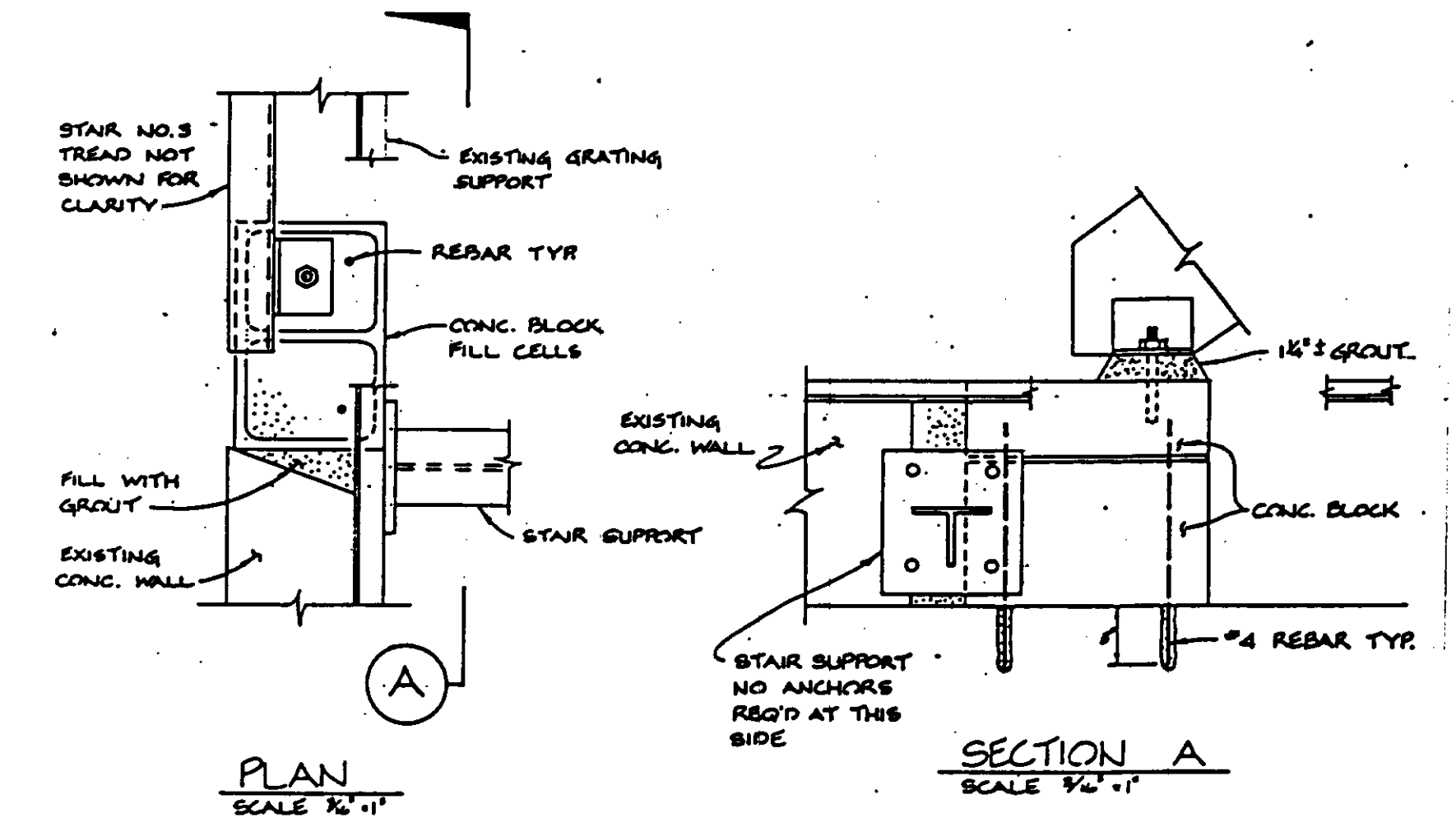
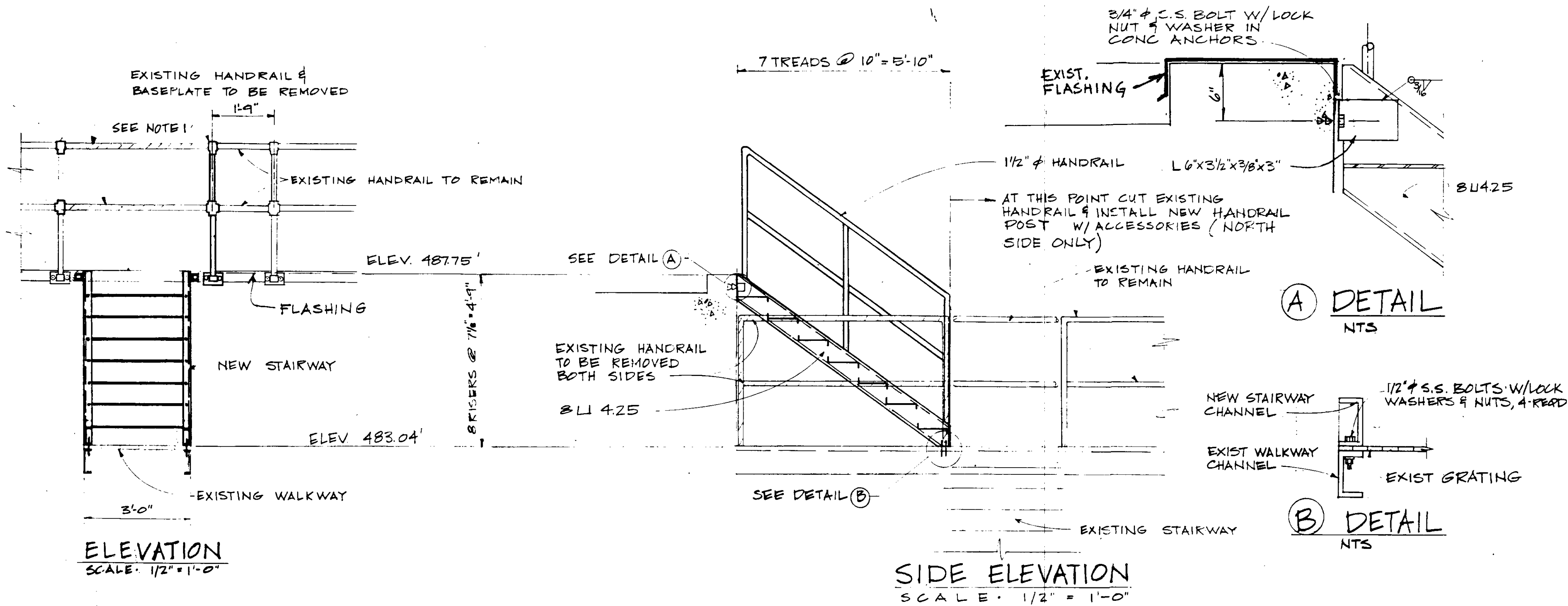
LADDER II
 HEADWORKS GALLERY 7 & E
 REFERENCE DRAWING: SKMM-20

RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
 RCE 14038
 KATSURA CONSULTING ENGINEERS March 1985

03234

MISCELLANEOUS METALS - PLANS AND SECTION

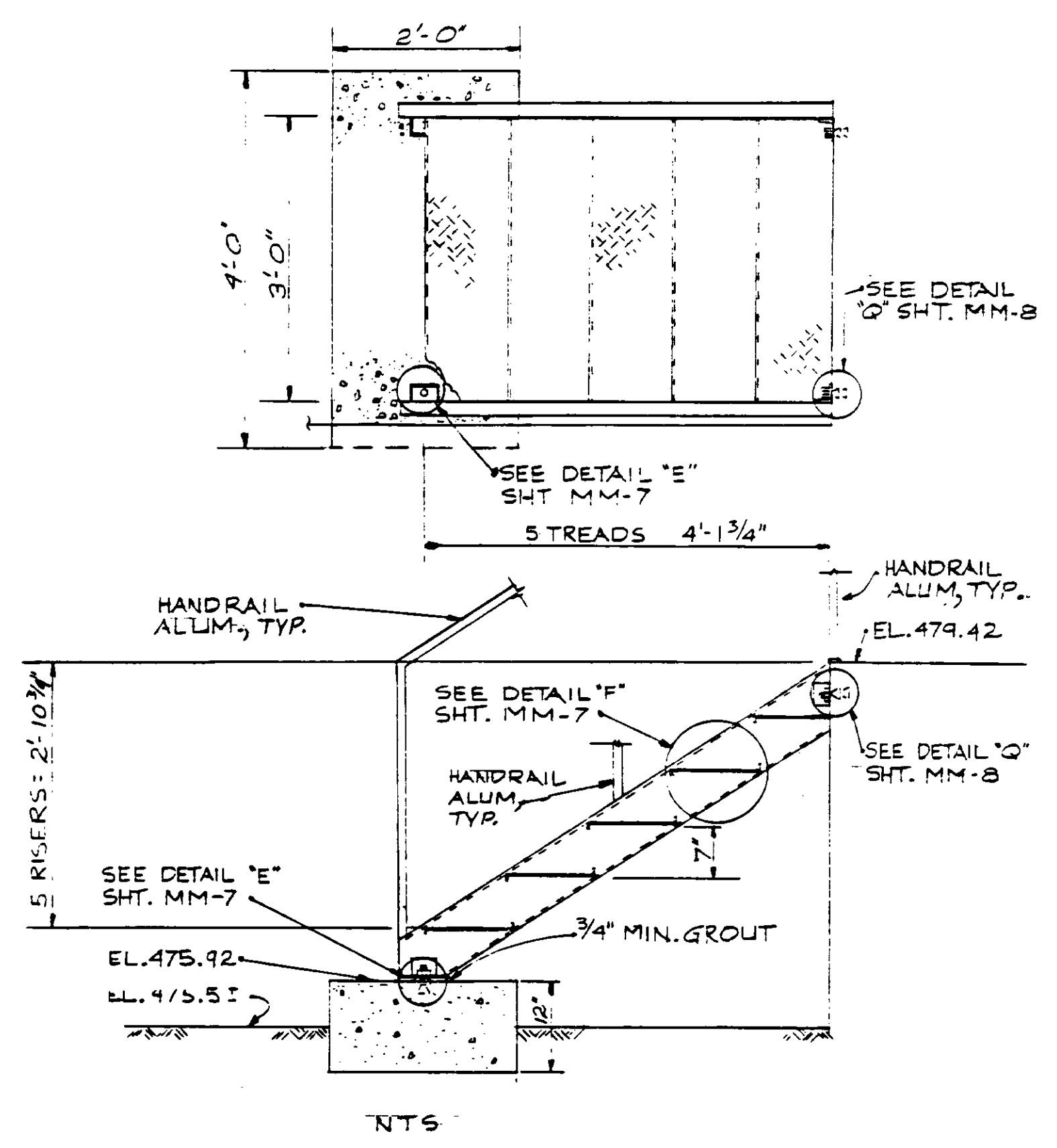
SHEET
 MM-25



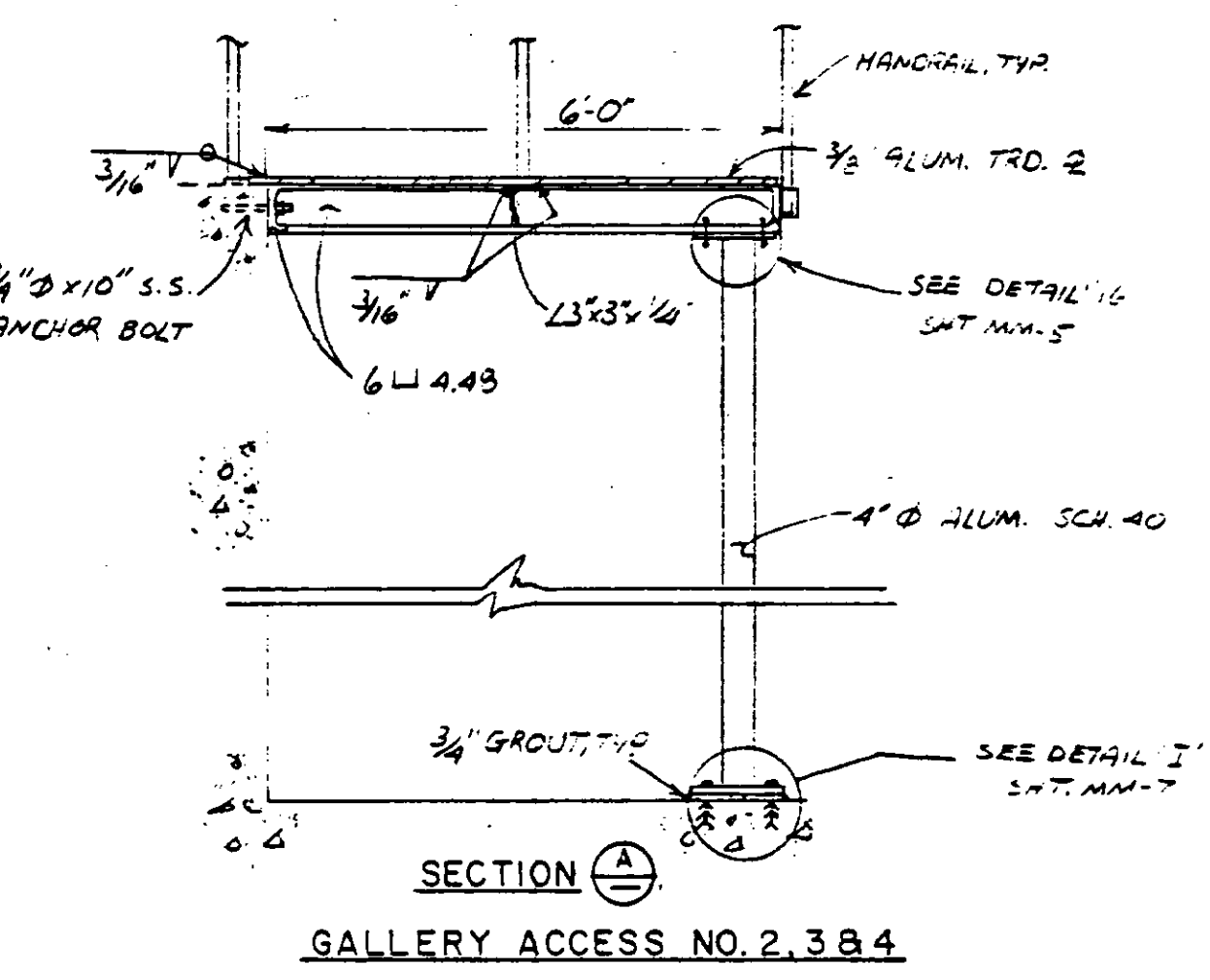
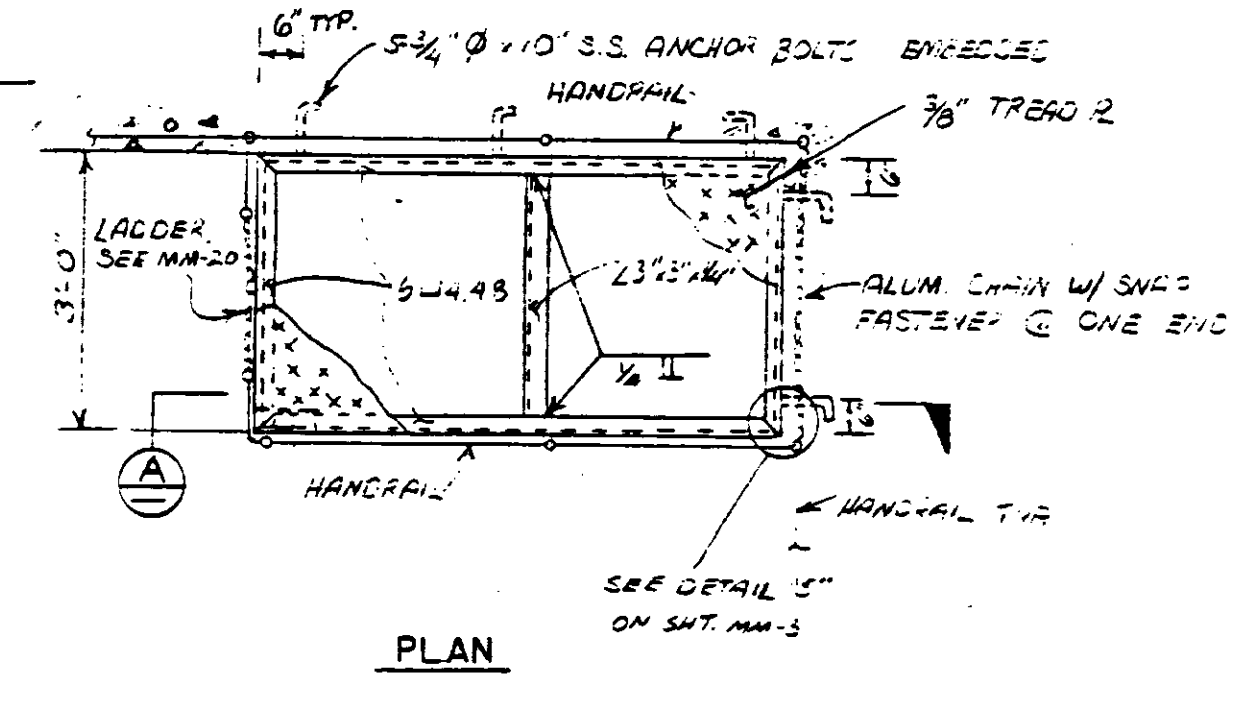
MODIFICATION OF STAIRWAY NO. 3
REFERENCE DRAWING: SKMM-62-
EXTRA WORK : EW-C5-25

NOTES:
1. CUT EXISTING HANDRAIL AS INDICATED & INSTALL NEW HANDRAIL POST W/ ACCESSORIES.

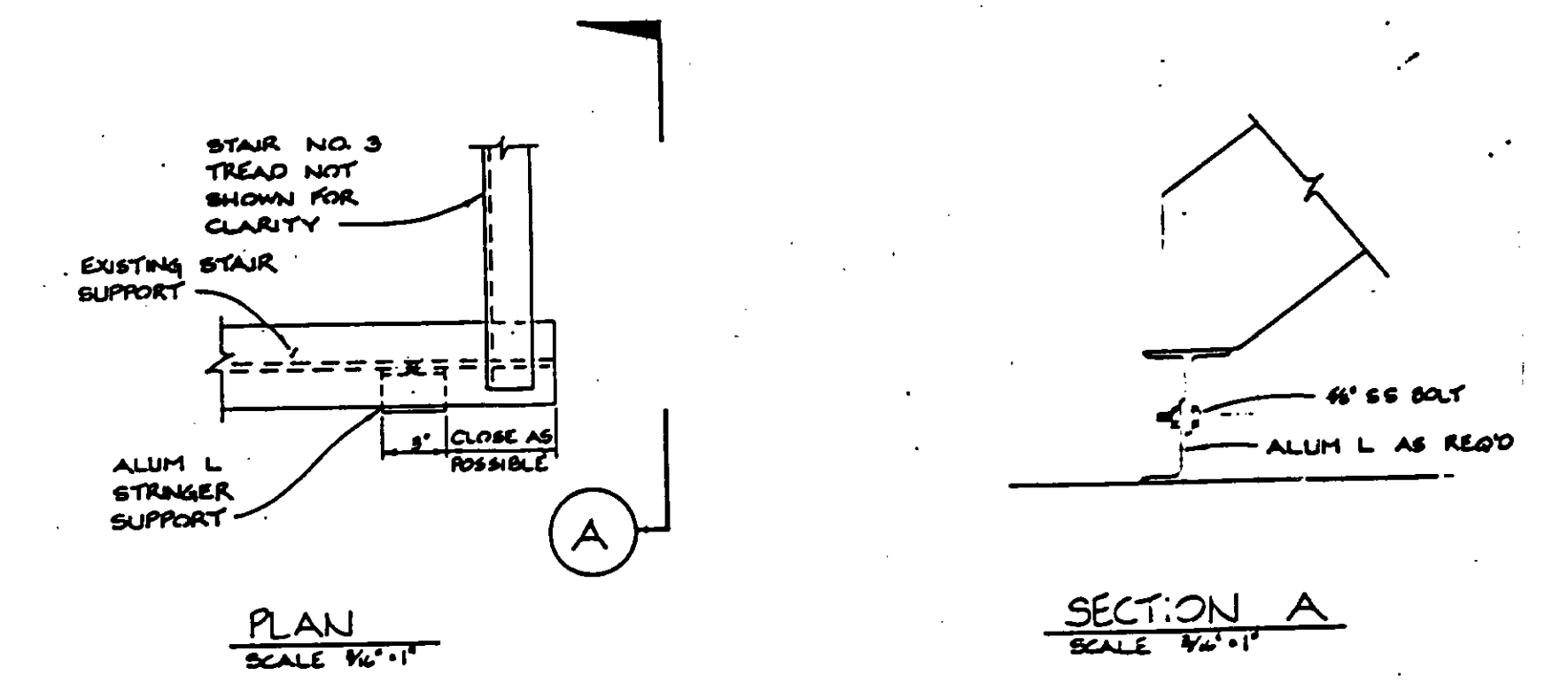
ADDITIONAL ACCESS TO AEROBIC DIGESTER NO. II B
REFERENCE DRAWING: SK-NS-1
EXTRA WORK : EW-C5-115



SLUDGE SCREENING FACILITY STAIRWAY
REFERENCE DRAWING: SK-MM-10



GALLERY ACCESS NO. 2, 3 & 4
REFERENCE DRAWING: SK-MM-23

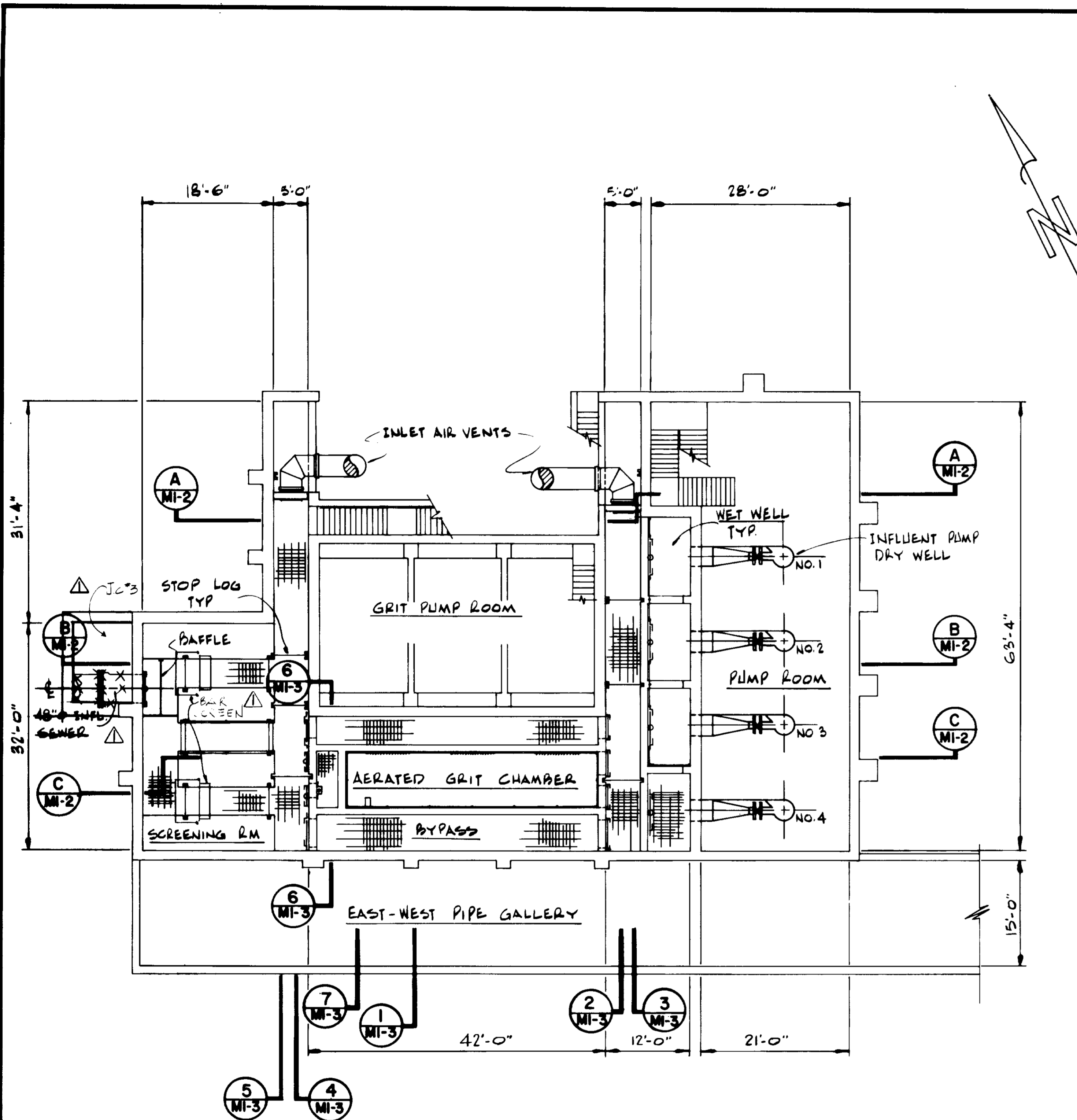


MODIFICATION OF STAIRWAY NO. 3
REFERENCE DRAWING: SKMM-62-
EXTRA WORK : EW-C5-25

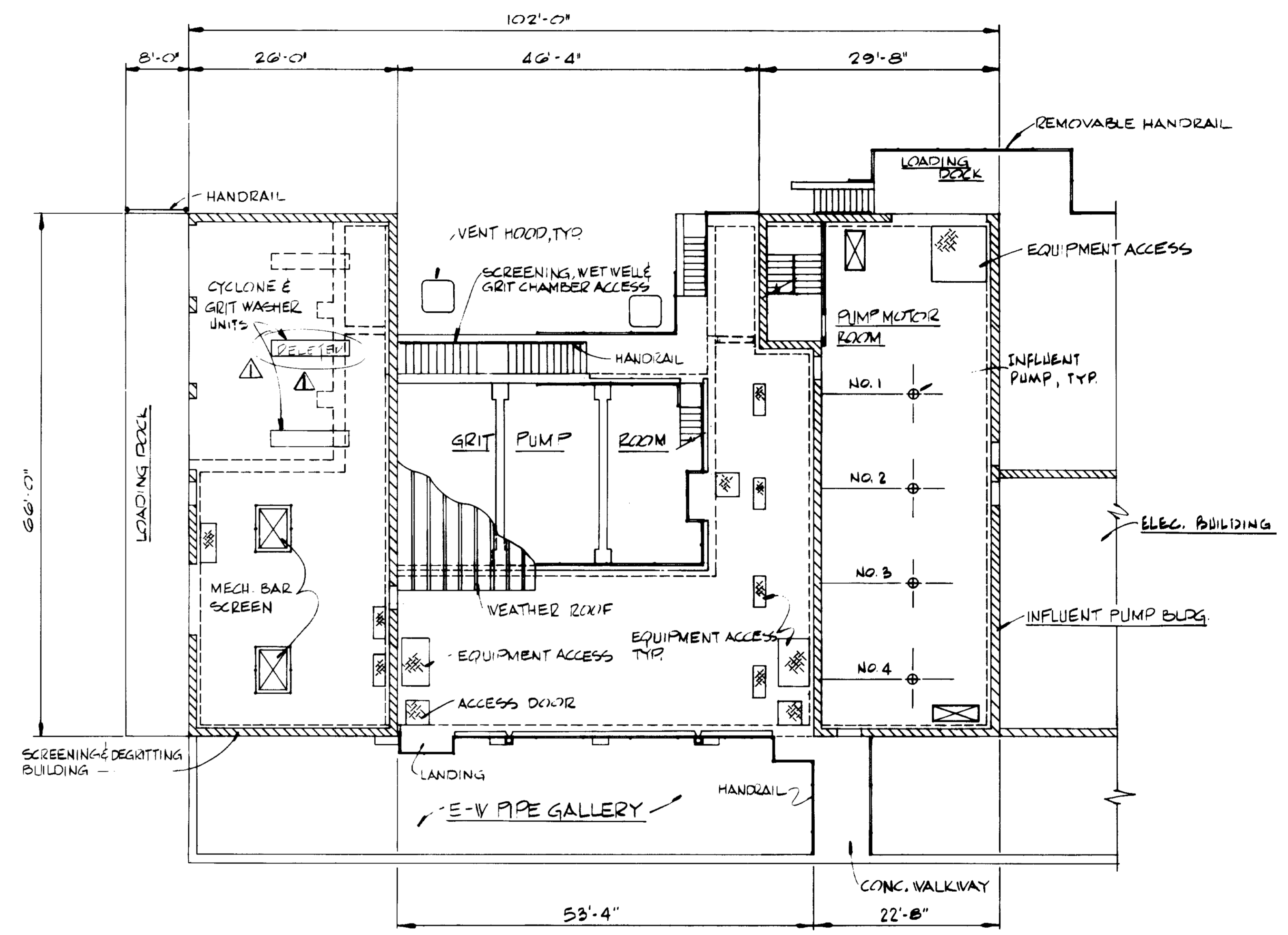
RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
RCE 14088
KATBURA CONSULTING ENGINEERS
March 1988

MISCELLANEOUS METALS - PLANS, DETAILS, AND SECTIONS


03235
SHEET
MM-26



PLAN - SECTION



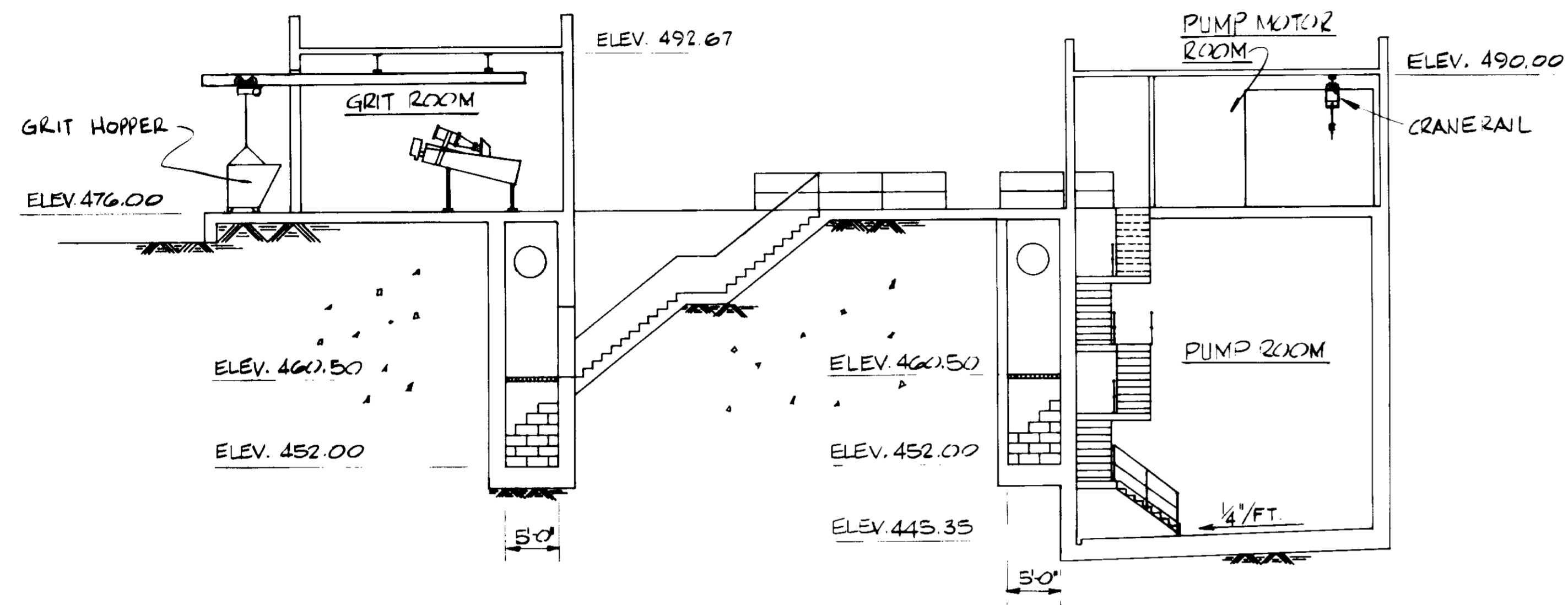
PLAN

- GENERAL NOTES:**
1. FOR LOCATION OF WALL FANS, PENHOUSES, CRANE RAILS & ETC. SEE REF. DWGS. AMI-2, AB-1 THRU 7.
 2. FOR MISC. METAL, HANDRAIL, STAIRS & ETC., SEE MM DWGS.
 3. SYMBOL  INDICATE ITEM TO BE FURNISHED BY THE OWNER & TO BE INSTALLED BY THE CONTRACTOR.
 4. ALL HANDRAIL TO BE ALUMINUM.

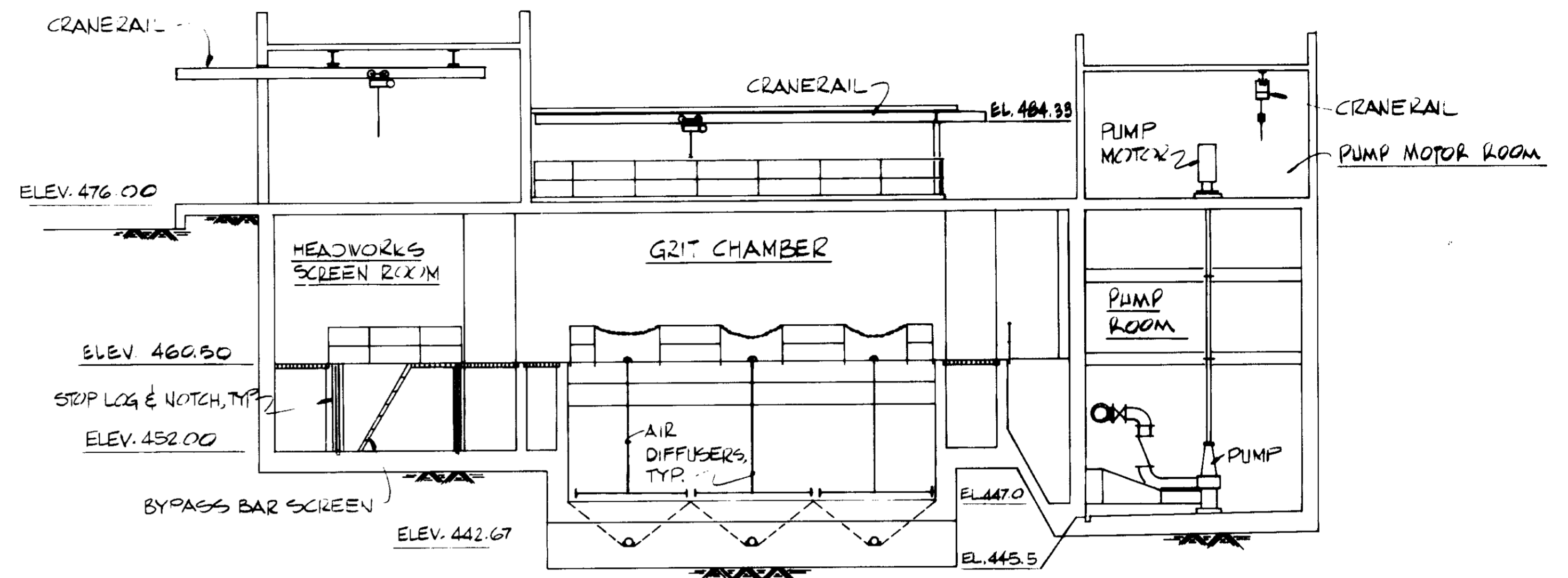
RECORD DRAWINGS
 Per Field Information Provided By Morley-Zelbarth & Alper
[Signature]
 KATSURA CONSULTING ENGINEERS March 1985
03236

SCALE: 1" = 10'-0"		DESIGNED: N. OKONIEWSKI		SUBMITTED: <i>[Signature]</i> 14038 8-15-79		CONSULTING ENGINEERS		LAS VIRGENES MUNICIPAL WATER DISTRICT		SHEET MI-1
DRAWN: Y. KATSURA		CHECKED: <i>[Signature]</i>		PROJECT MANAGER: <i>[Signature]</i> 14038 R.C.E. NO. DATE		JOINT VENTURE		SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.		
REV. DATE BY DESCRIPTION		REV. DATE BY DESCRIPTION		PROJECT ADMINISTRATOR: <i>[Signature]</i> 14884 8-15-79		8901 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018		HEADWORKS - GENERAL PLAN & SECTION		
						(213) 932-9117				

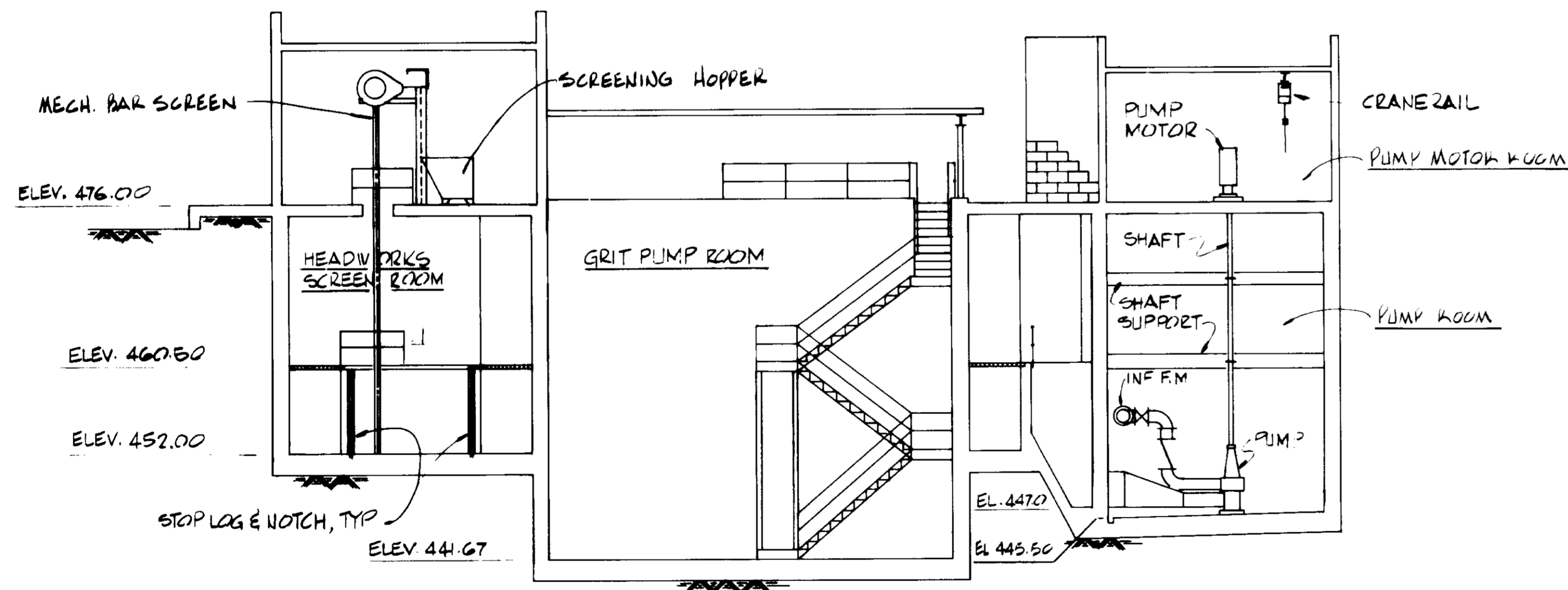
SHT. 22 OF 24



SECTION A



SECTION C



SECTION B

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

Y. Katsura
KATSURA CONSULTING ENGINEERS RCE 14038
March 1985

03237

REV	DATE	BY	DESCRIPTION
1	7-2-84	CL	REV PER MZA & ICE

SCALE :
1" = 10'-0"

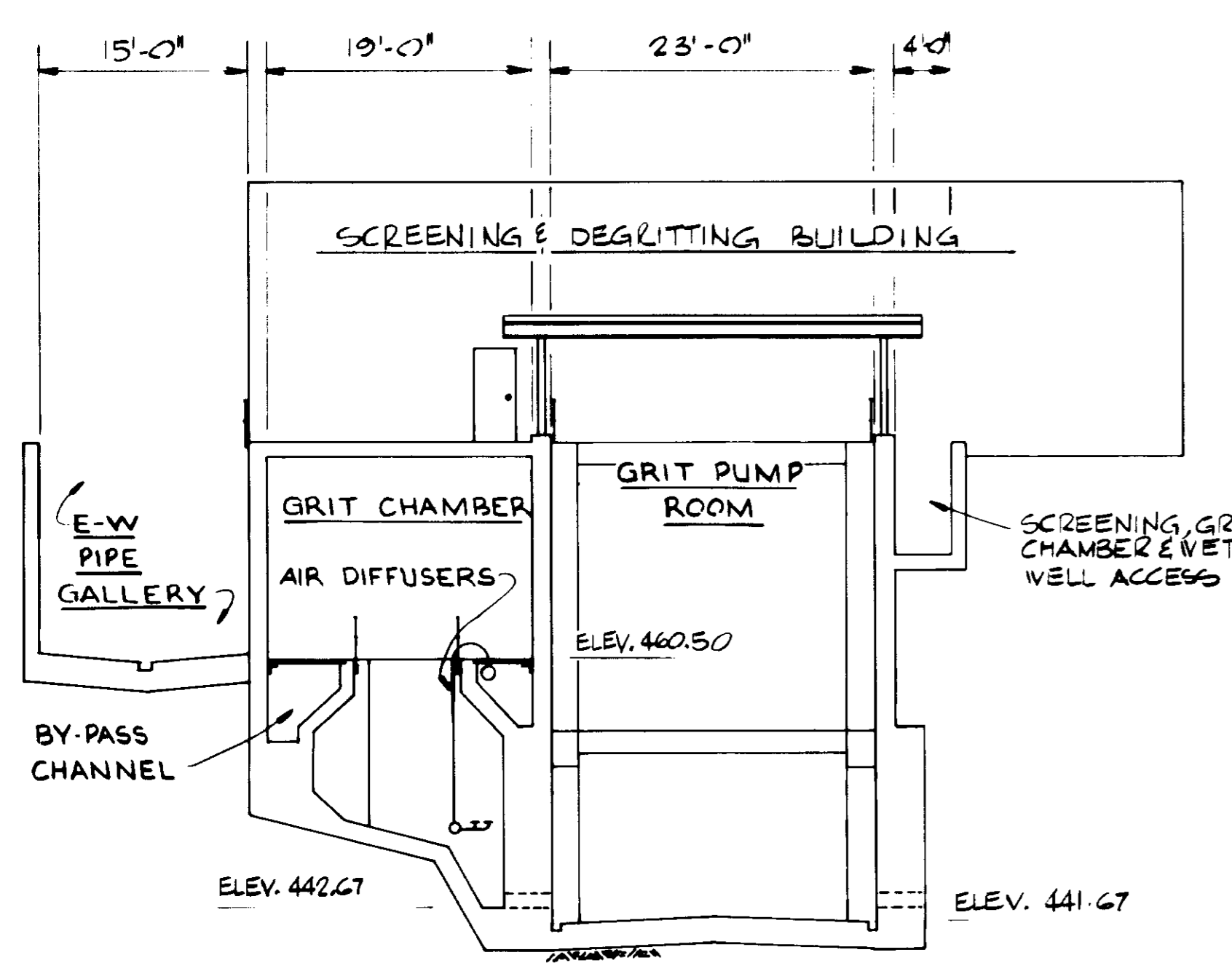
DESIGNED BY
N. OKONIEWSKI
DRAWN BY
Y. KATSURA
CHECKED

SUBMITTED BY
Y. Katsura
PROJECT MANAGER
R.C.E. NO. 14038
DATE 8-15-79
PROJECT ADMINISTRATOR
Y. Katsura
R.C.E. NO. 14884
DATE 8-15-79

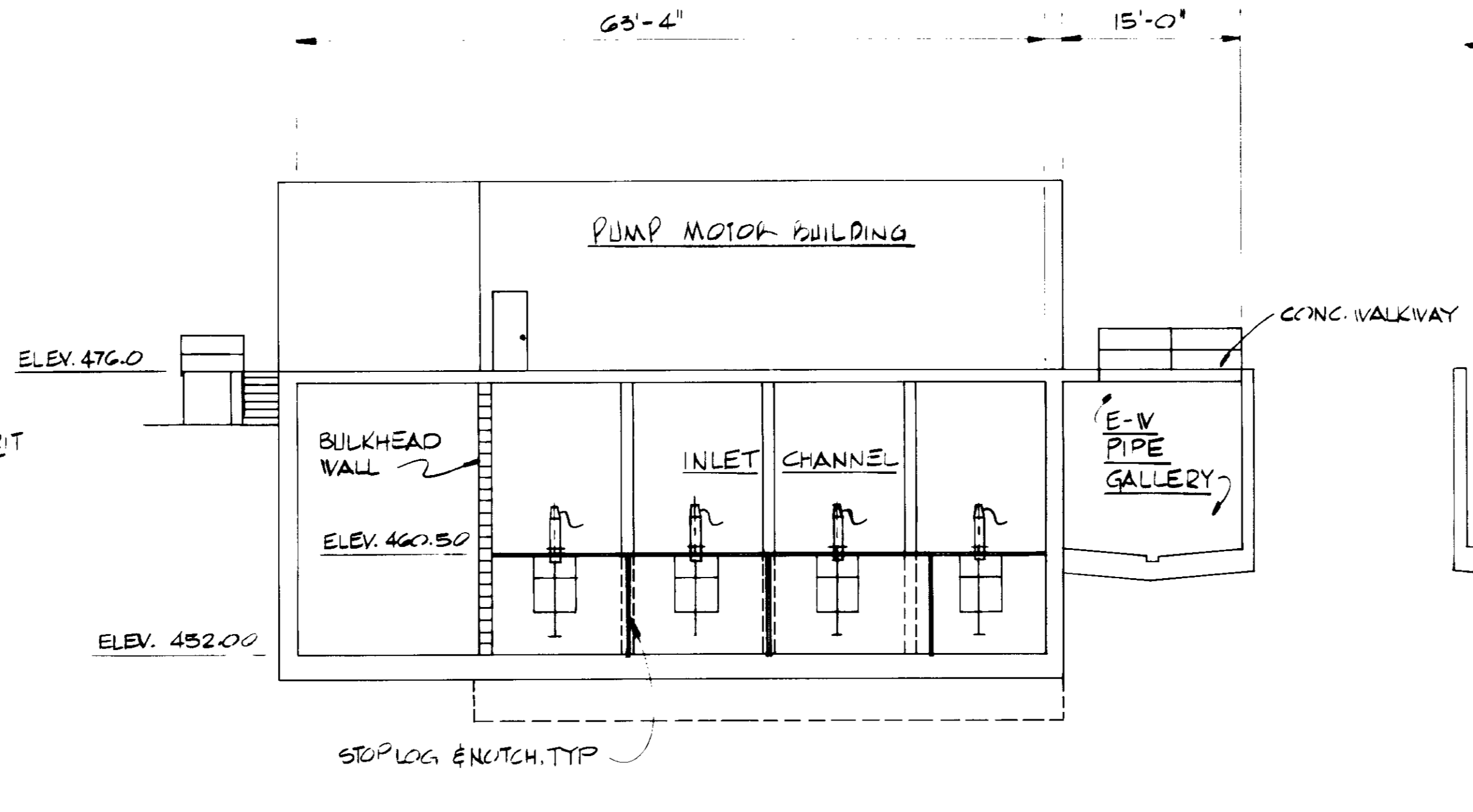
JK CONSULTING ENGINEERS
A JOINT VENTURE
6801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 933-8117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
HEADWORKS—SECTION I

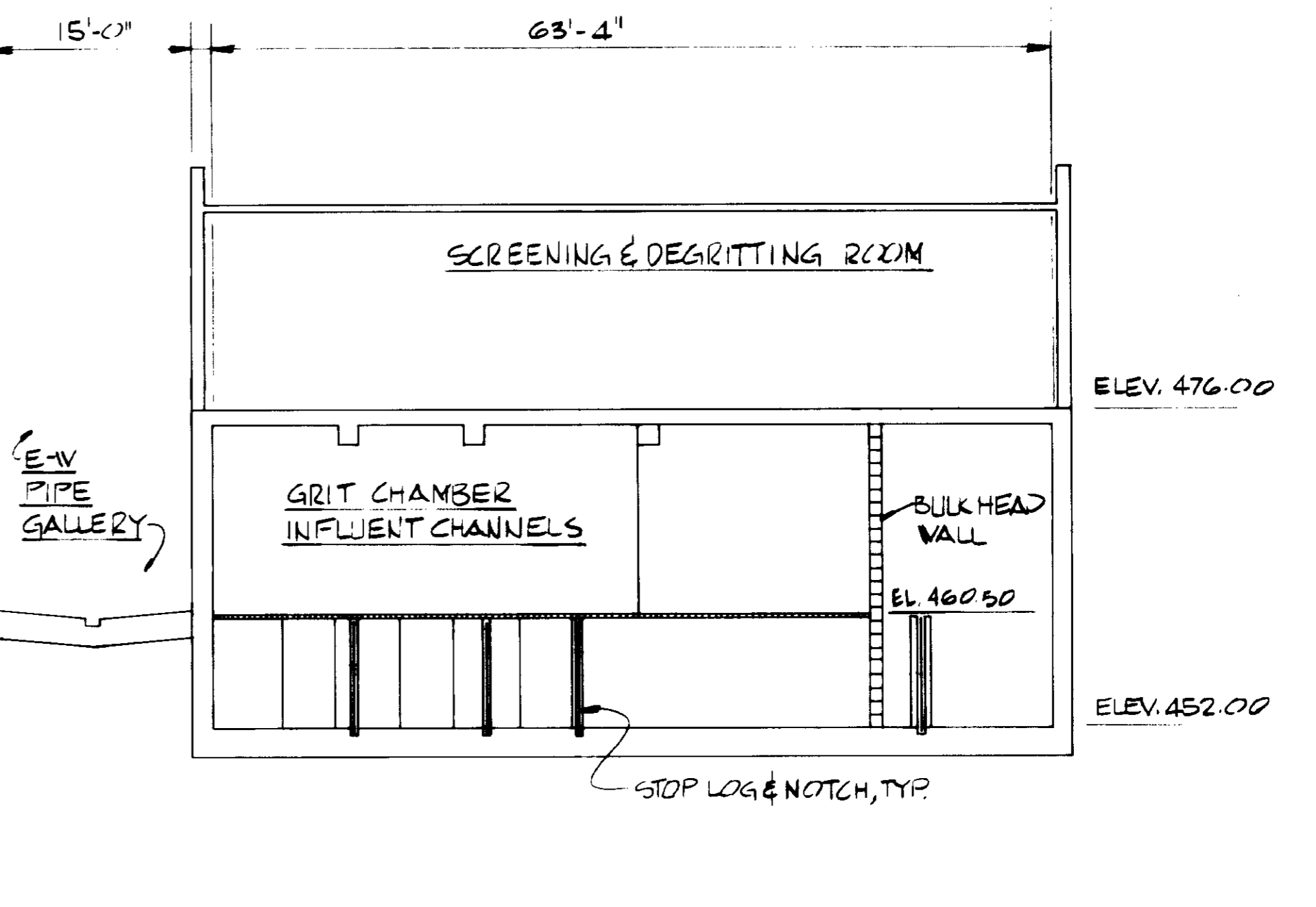
SHEET
MI-2



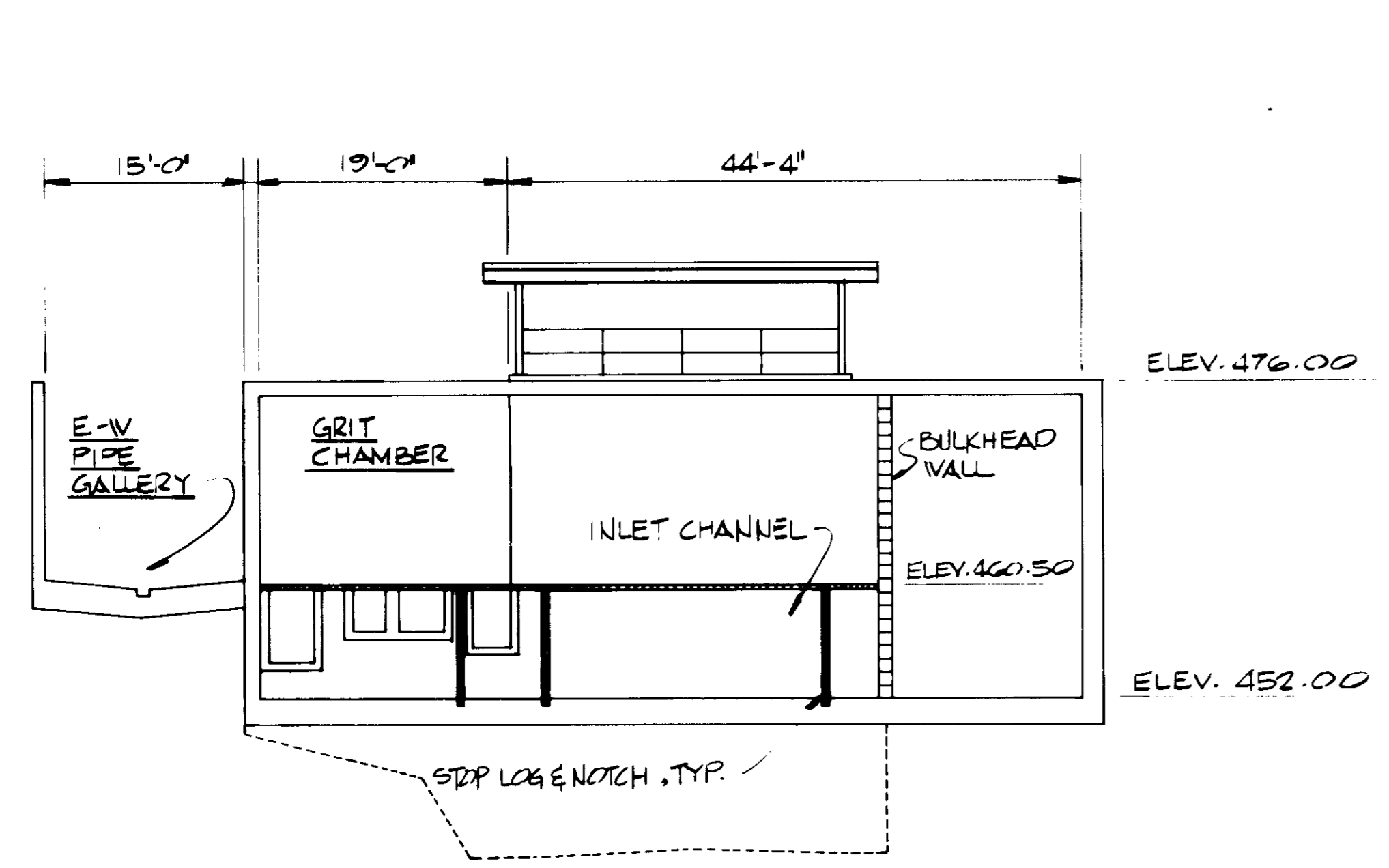
SECTION 1



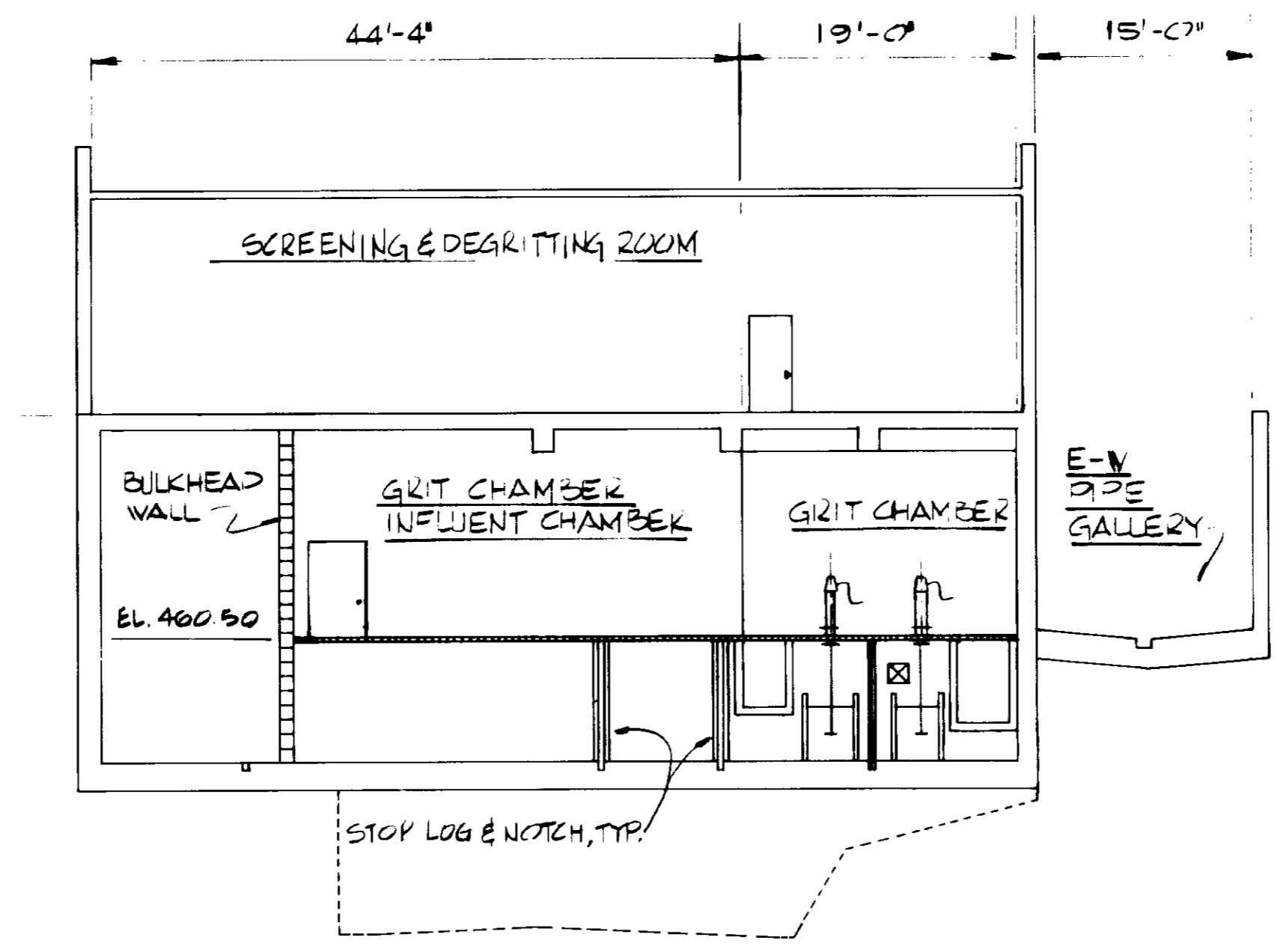
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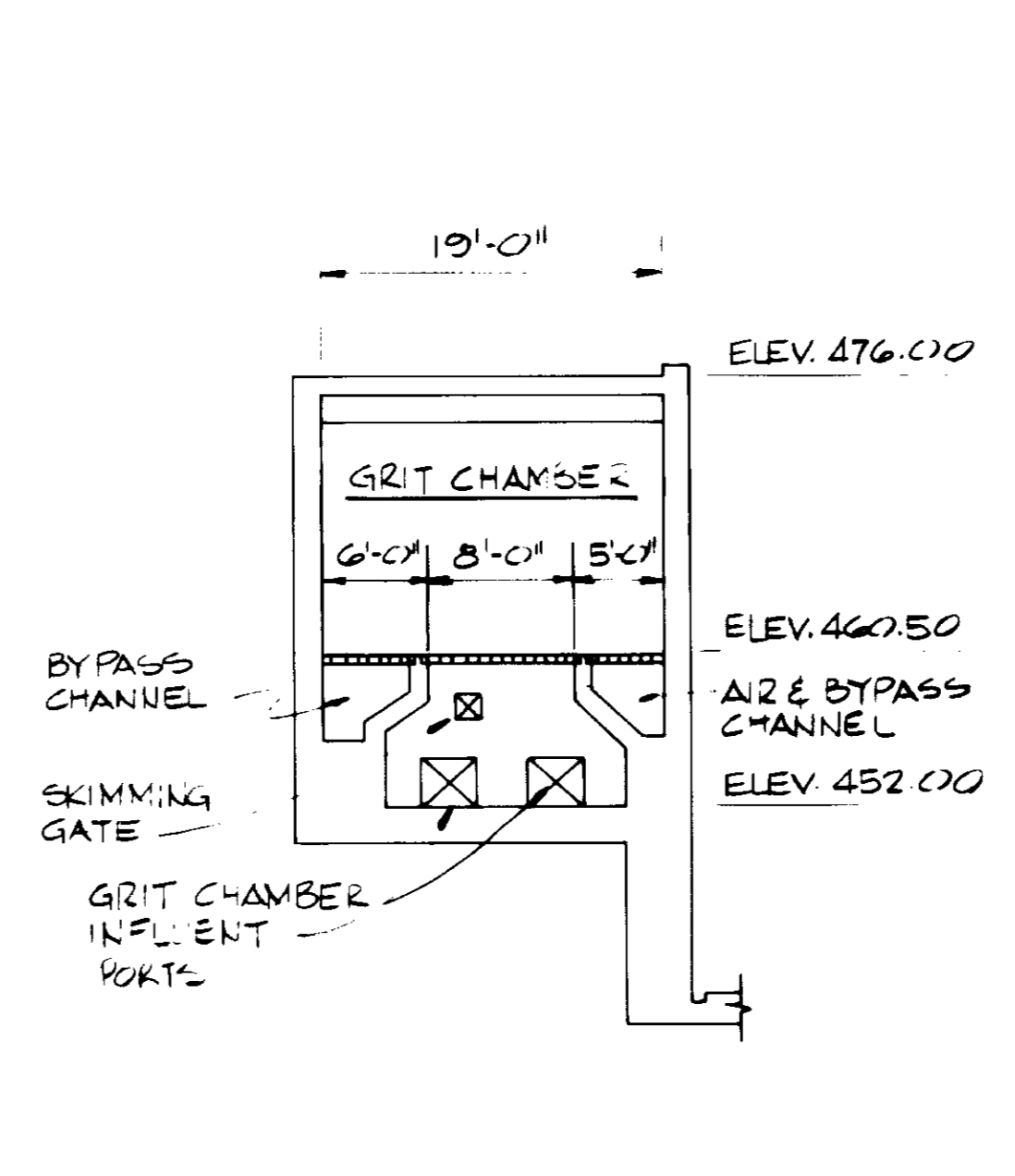
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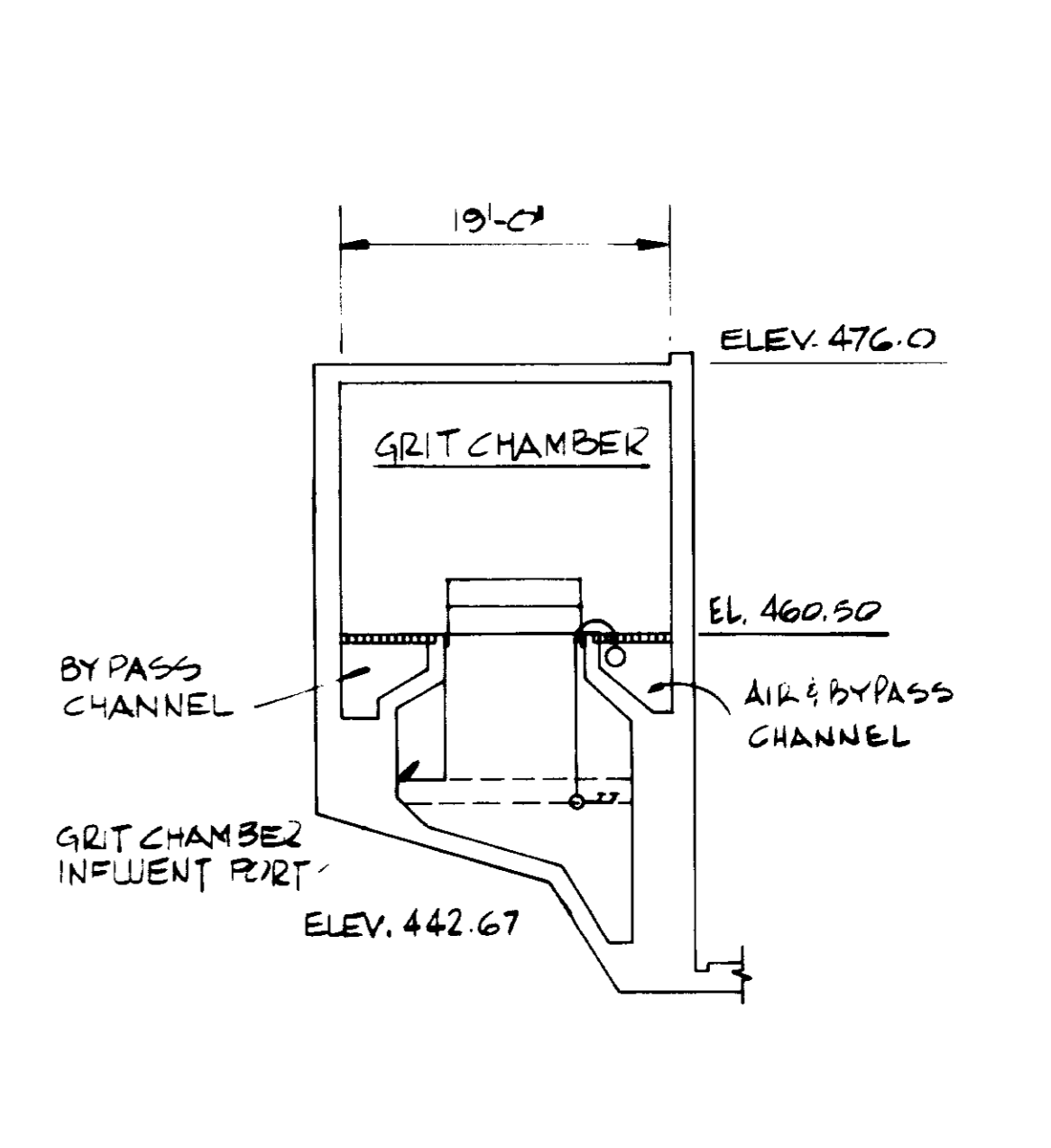
SECTION 2



SECTION 4



SECTION 6



SECTION 7

RECORD DRAWINGS
 Per Field Information Provided By Merley-Ziebarth & Alper
[Signature]
 RCE 14088
 KATSURA CONSULTING ENGINEERS March 1988

03238

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

SCALE :
 1" = 10'-0"

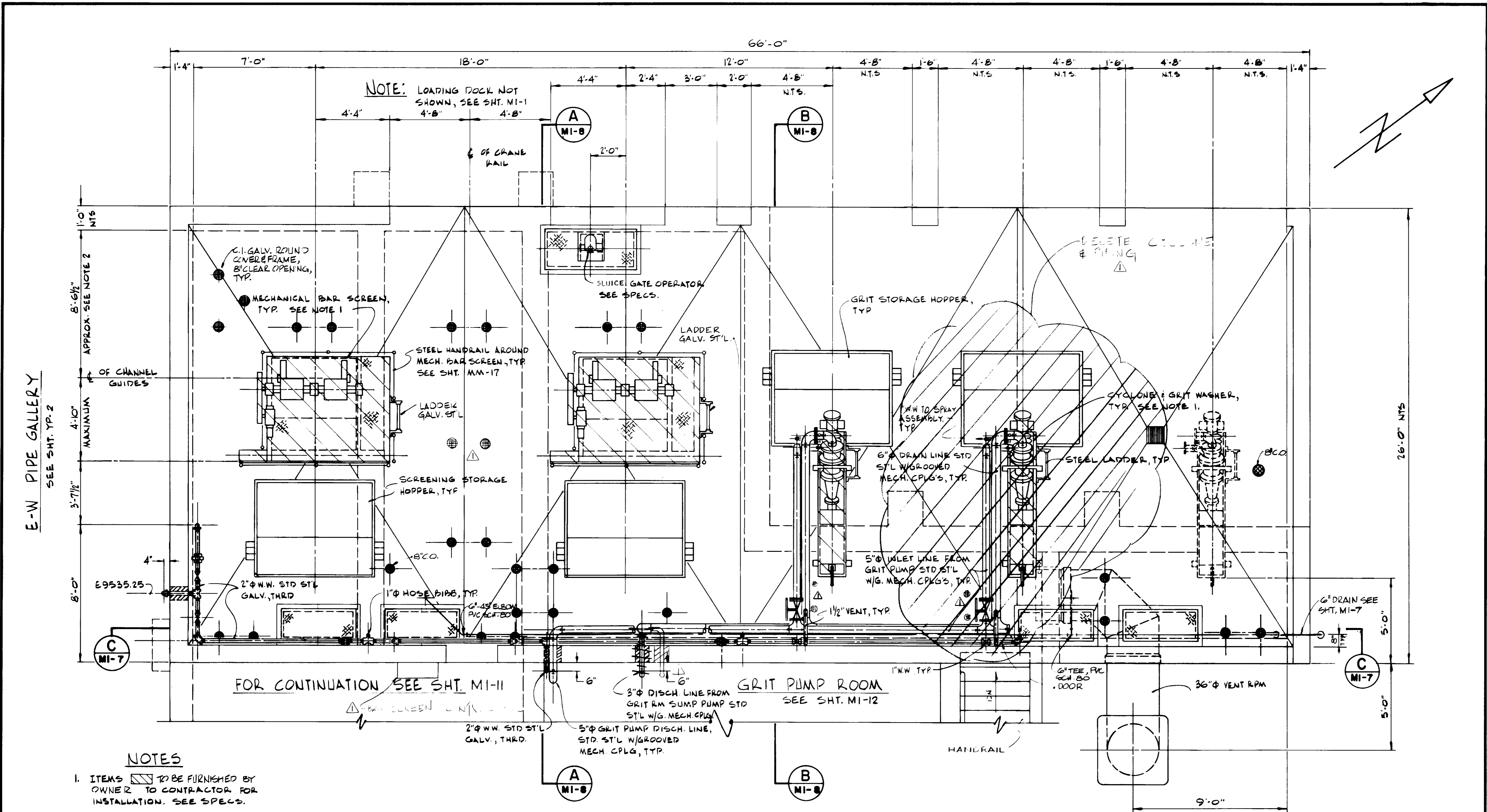
C.S./A.P./Y.K.
 DESIGNED
 N. OKONIEWSKI
 DRAWN
 Y. KATSURA
 CHECKED

SUBMITTED
[Signature]
 PROJECT MANAGER
 14038 8-15-79
 R.C.E. NO. DATE
 PROJECT ADMINISTRATOR
 14884 8-15-79
 R.C.E. NO. DATE

JKC CONSULTING ENGINEERS
 A JOINT VENTURE
 5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA WRF
 HEADWORKS — SECTION II

SHEET
 MI-3



NOTES

1. ITEMS TO BE FURNISHED BY OWNER TO CONTRACTOR FOR INSTALLATION. SEE SPECS.
2. CONTRACTOR SHALL VERIFY DIMENSIONS.
3. SEE SHT. MI-5 FOR DRAIN C.O. & COVERS LOCATIONS.

PLAN

03239

RECORD DRAWINGS
 Per Field Information Provided by Morley-Ziebarth & Alper

 RCE 14088
 KATSUMURA CONSULTING ENGINEERS March 1988

REV	DATE	BY	DESCRIPTION

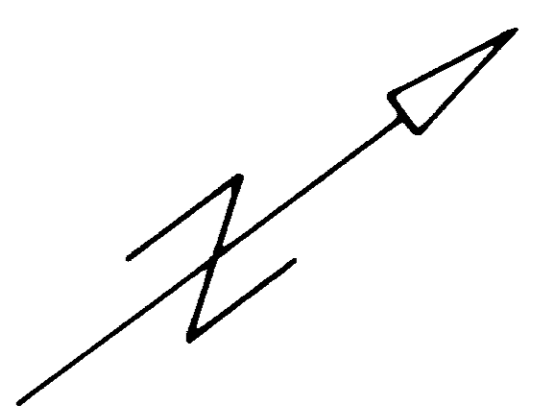
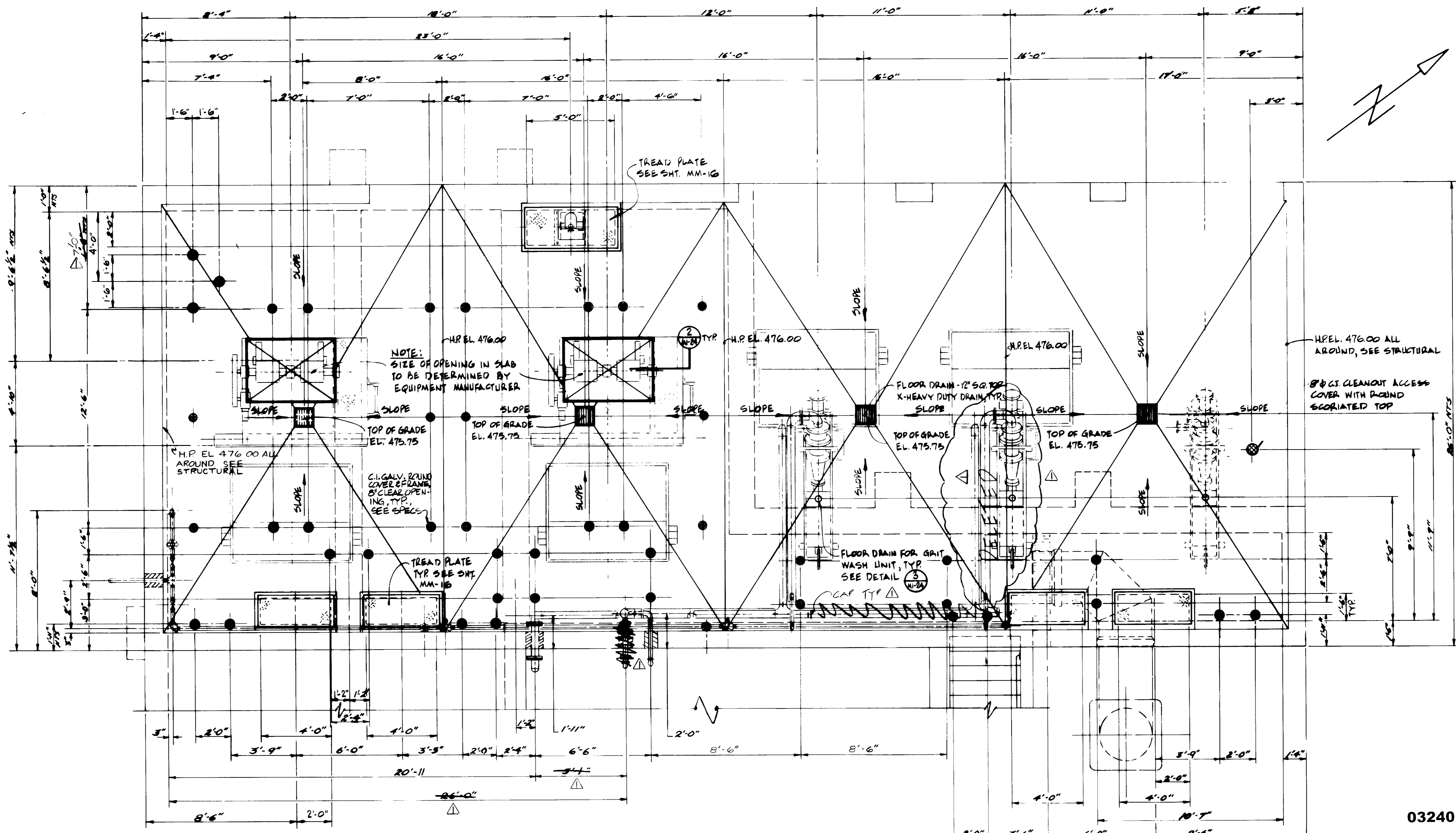
SCALE :	C.S./A.B./Y.K.
3/8" = 1'-0"	DESIGNED N. OKONIEWSKI
	DRAWN Y. KATSUMURA
	CHECKED

SUBMITTED	14038	8-15-79
PROJECT MANAGER	R.C.E. NO.	DATE
PROJECT ADMINISTRATOR	14884	8-15-79
	R.C.E. NO.	DATE

JK CONSULTING ENGINEERS
 A JOINT VENTURE
 8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 833-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 SCREENING & DEGRITTING ROOM — PLAN

SHEET
MI-4

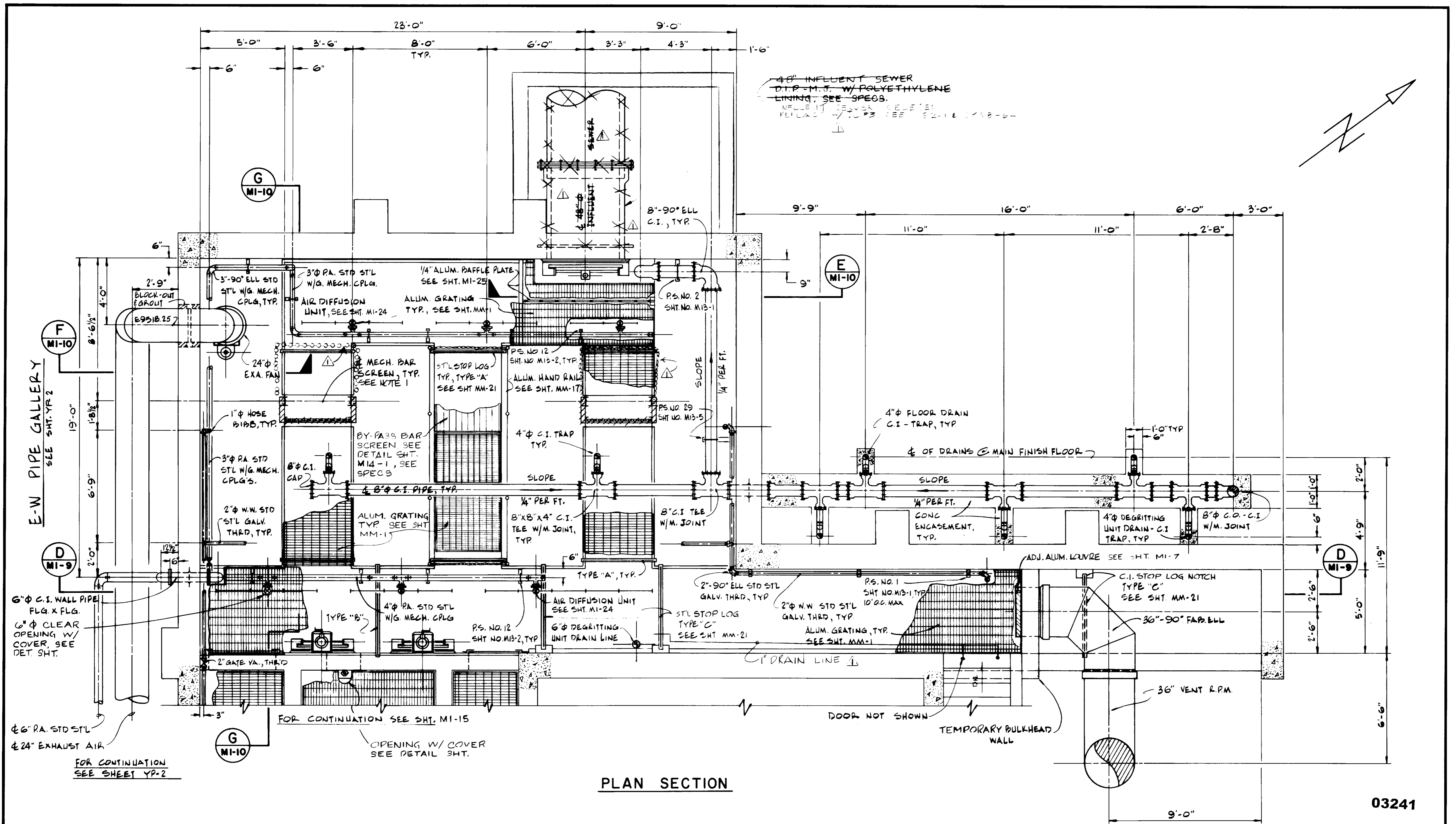


PLAN

03240

For Field Information Provided By Morley-Ziebarth & Aker
Y. Katsura
 RCE 14888
 KATSURA CONSULTING ENGINEERS March 1988

REV DATE BY DESCRIPTION 7.2.84 CL REV PER MZA & JCB 3/8/1-0"		SCALE : 3/8"=1'-0"	C.S./A.P./Y.K. DESIGNED N. OKONESKI DRAWN Y. KATSURA CHECKED	SUBMITTED <i>Y. Katsura</i> PROJECT MANAGER 14038 8-15-79 R.C.E. NO. DATE PROJECT ADMINISTRATOR 14884 8-15-79 R.C.E. NO. DATE	CONSULTING ENGINEERS A JOINT VENTURE 8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 933-9117	LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. SCREENING & DEGRITTING ROOM - FLOOR PLAN	SHEET MI-5
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03241

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

[Signature]
RCE 14088

KATSURA CONSULTING ENGINEERS March 1988

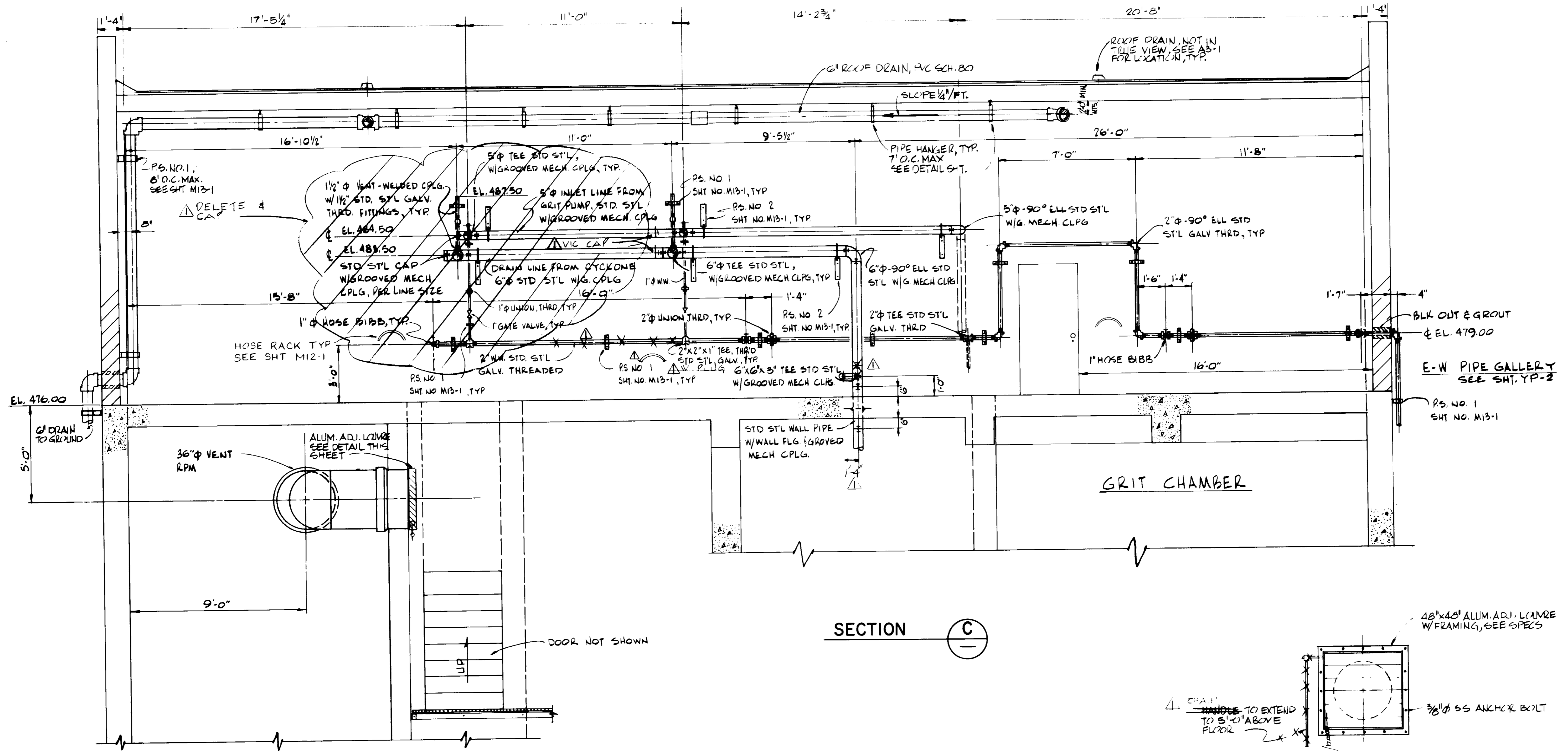
REV	DATE	BY	DESCRIPTION

SCALE :	3/8" = 1'-0"	DESIGNED	N. OKONIEWSKI	SUBMITTED	14038	8-15-79
		DRAWN	Y. KATURA	PROJECT MANAGER		R.C.E. NO. DATE
		CHECKED		PROJECT ADMINISTRATOR	14894	8-15-79
						R.C.E. NO. DATE

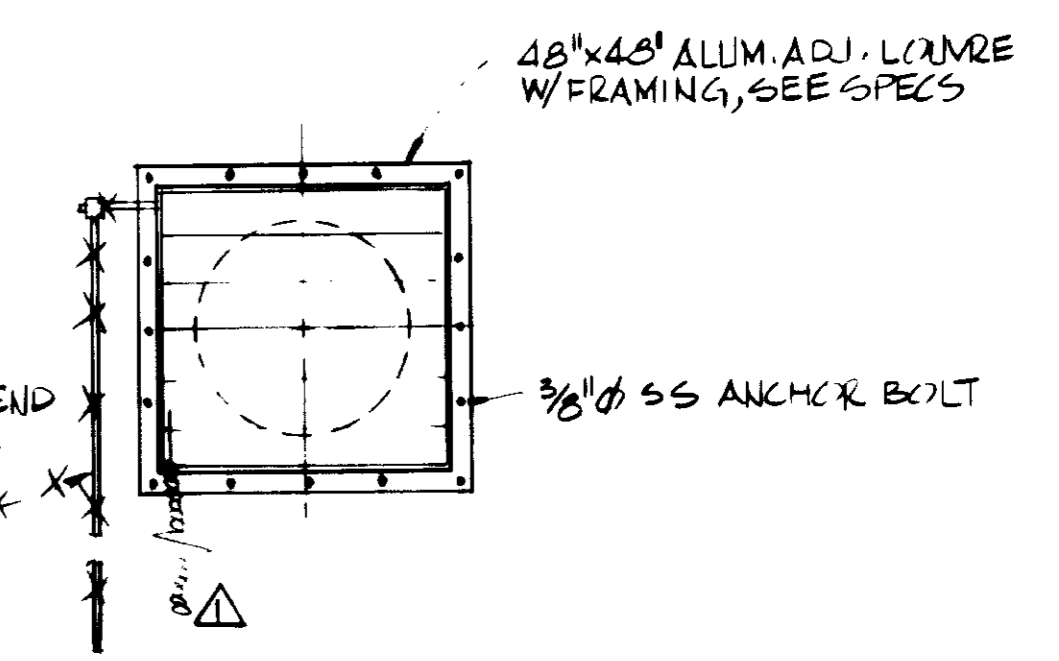
JKE CONSULTING ENGINEERS
A JOINT VENTURE
8001 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-8117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
SCREENING & DEGRITTING ROOM — SECTION I

SHEET
MI-6



SECTION C



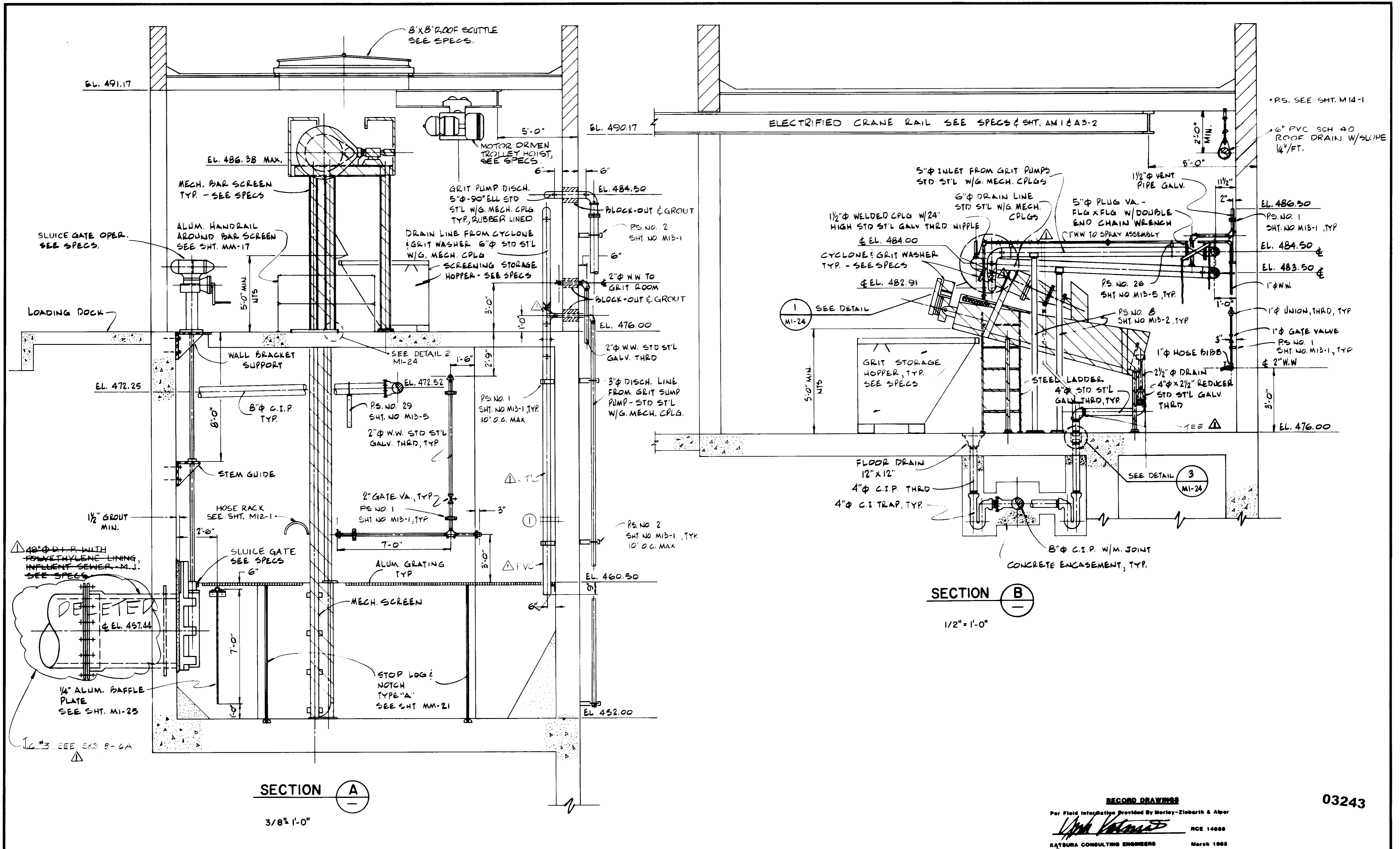
ALUM. ADJUSTABLE LOUVRE DETAIL

RECORD DRAWINGS

Per Field Information Provided by Morley-Ziebarth & Alper
[Signature] RCE 14088
 KATSURA CONSULTING ENGINEERS March 1985

03242

SCALE : 3/8" = 1'-0"		DESIGNED : N. OKONIEWSKI DRAWN : Y. KATSURA CHECKED :		SUBMITTED : <i>[Signature]</i> 14038 8-15-79 PROJECT MANAGER : R.C.E. NO. DATE PROJECT ADMINISTRATOR : <i>[Signature]</i> 14884 8-15-79 R.C.E. NO. DATE		J&K CONSULTING ENGINEERS A JOINT VENTURE 8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 833-9117		LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. SCREENING & DEGRITTING ROOM — SECTION II		SHEET MI-7	
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION				
				7-2		C.L.	REV. PER MZA & J.C.E.				



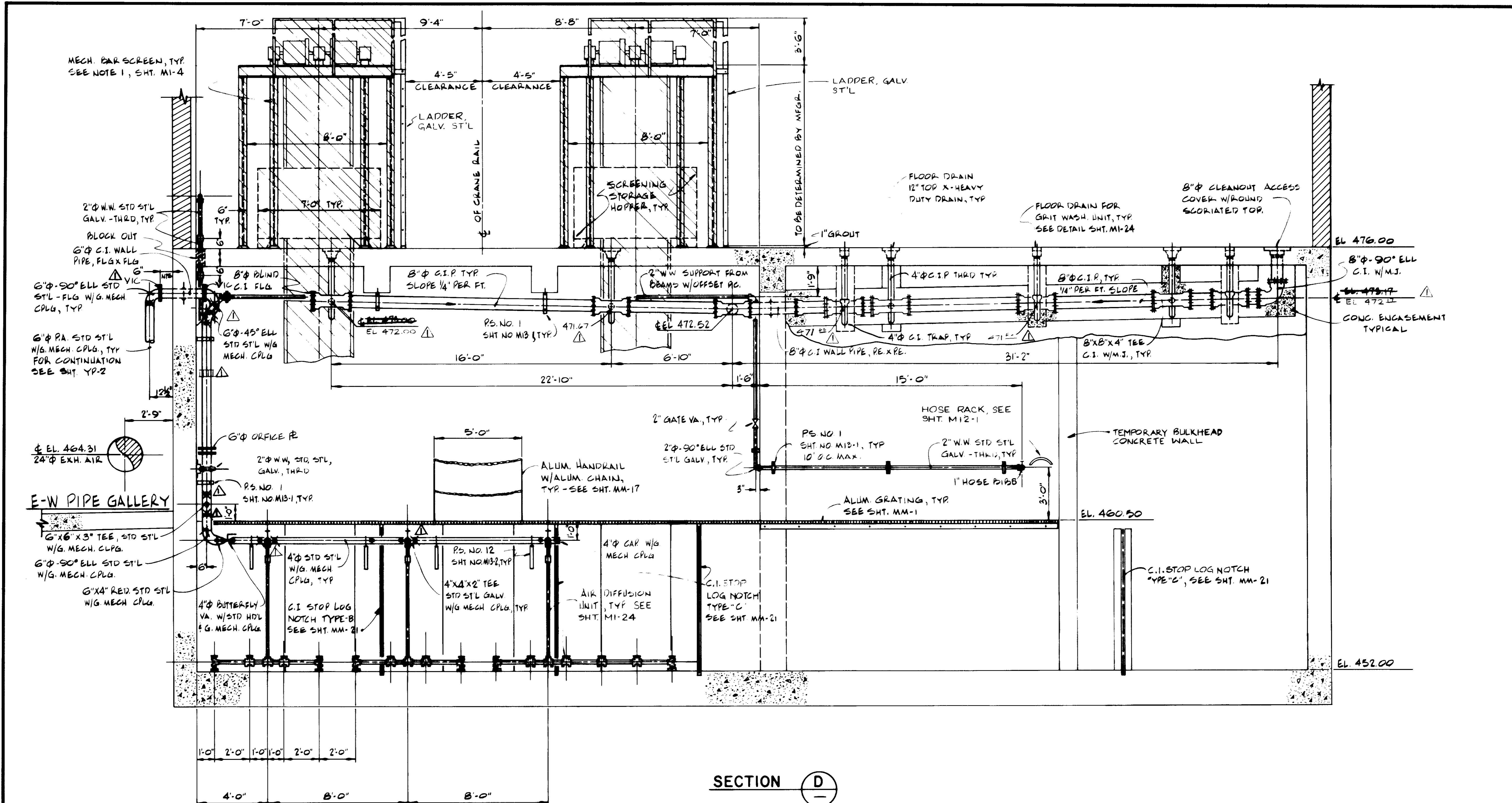
RECORD DRAWINGS
 03243
 Per Field Information Provided By Morley-Ziebarth & Alper
[Signature] RCE 14088
 KATSURA CONSULTING ENGINEERS March 1988

REV	DATE	BY	DESCRIPTION

SCALE :	C.S./A.P./Y.K.	SUBMITTED	14038	8-15-79
AS NOTED	DESIGNED	<i>[Signature]</i>	R.C.E. NO.	DATE
	N. OKONIEWSKI	PROJECT MANAGER		
	DRAWN	<i>[Signature]</i>	14884	8-15-79
	Y. KATSURA	PROJECT ADMINISTRATOR	R.C.E. NO.	DATE
	CHECKED			

JK CONSULTING ENGINEERS
 A JOINT VENTURE
 8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 853-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 SCREENING & DEGRITTING ROOM - SECTION III
 SHEET M1-8

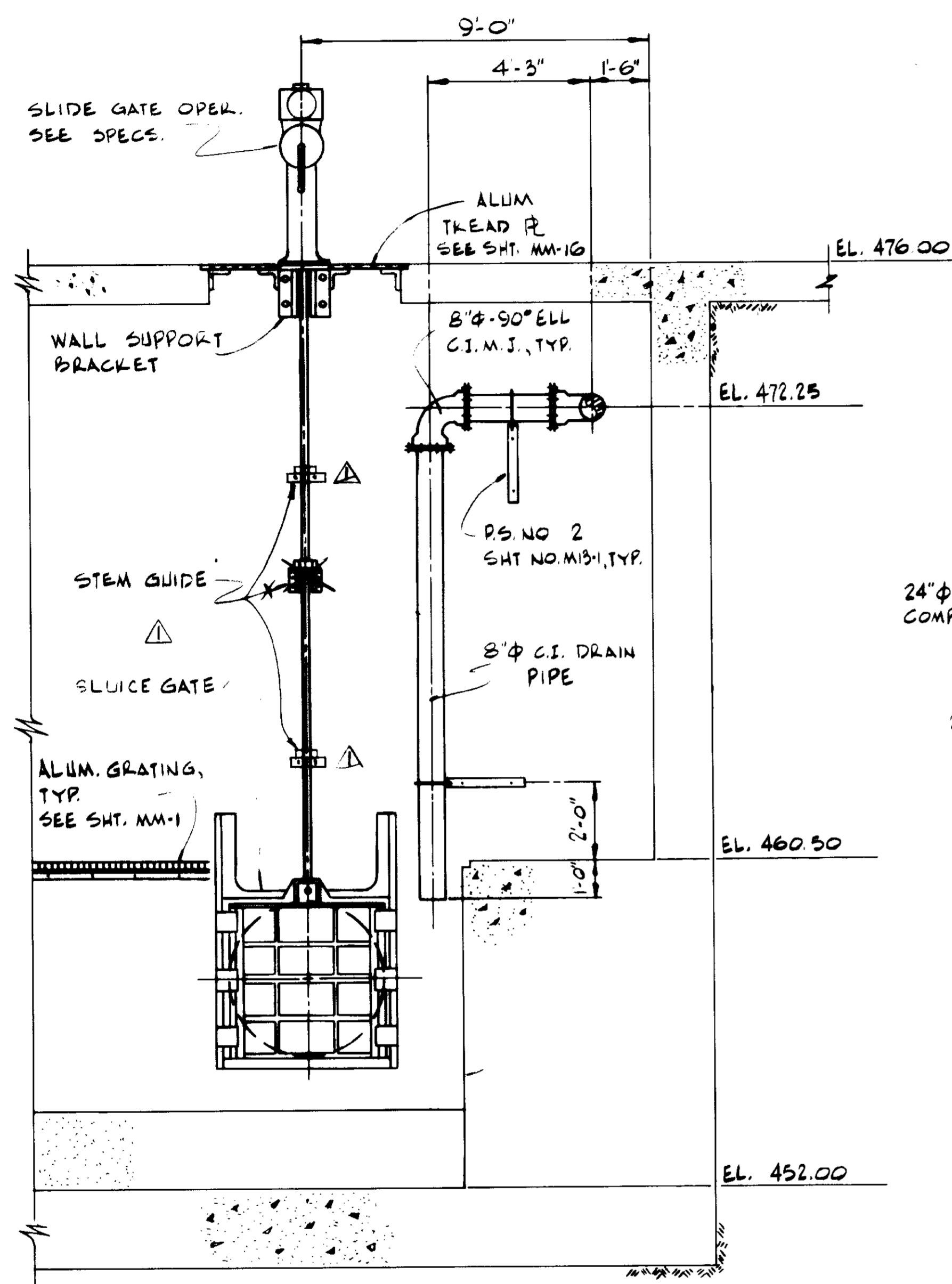


SECTION **D**

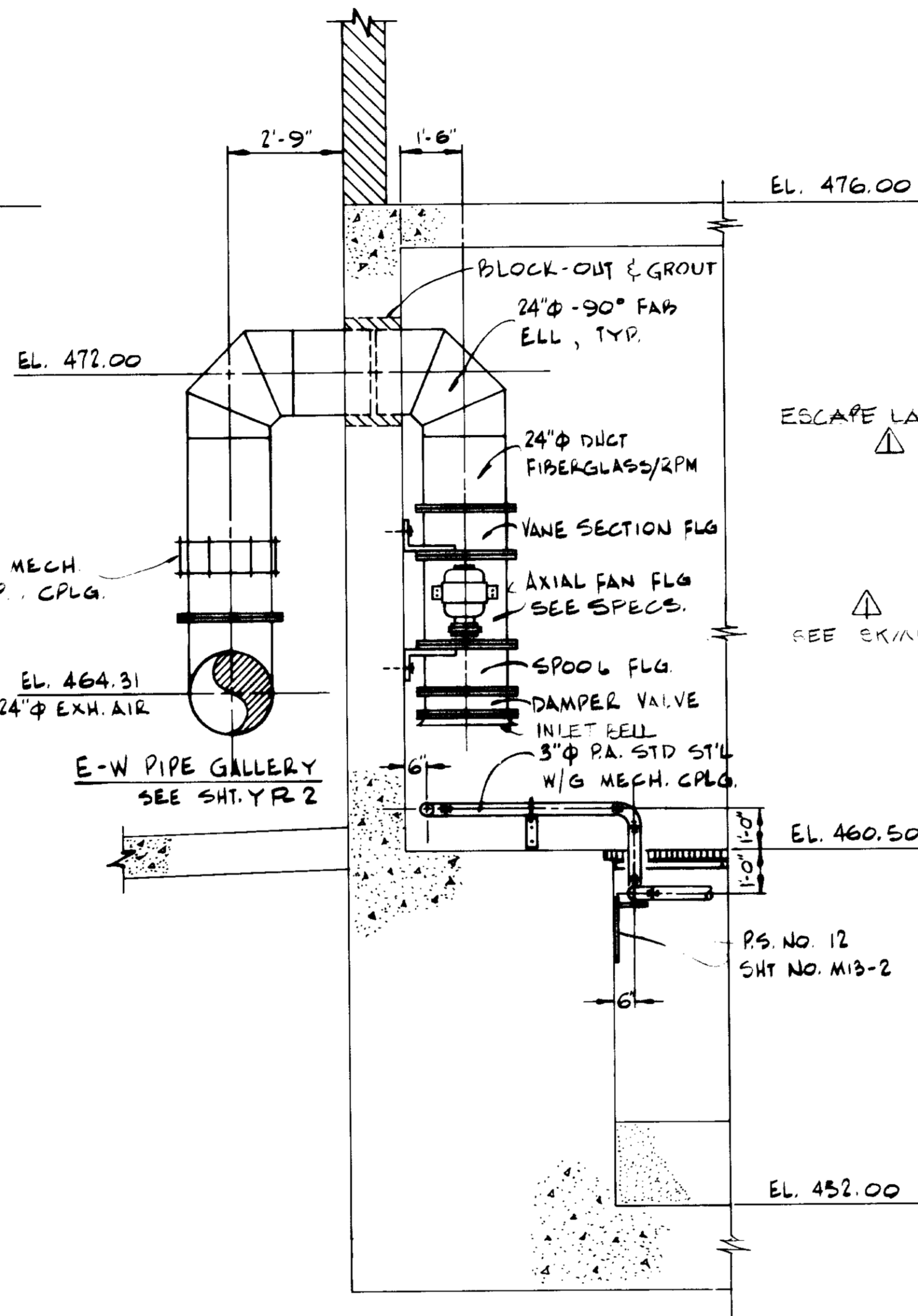
RECORD DRAWINGS
 For Field Information Provided By Morley-Zobarrh & Alper
[Signature]
 RDE 14000
 KATOURA CONSULTING ENGINEERS March 1995

03244

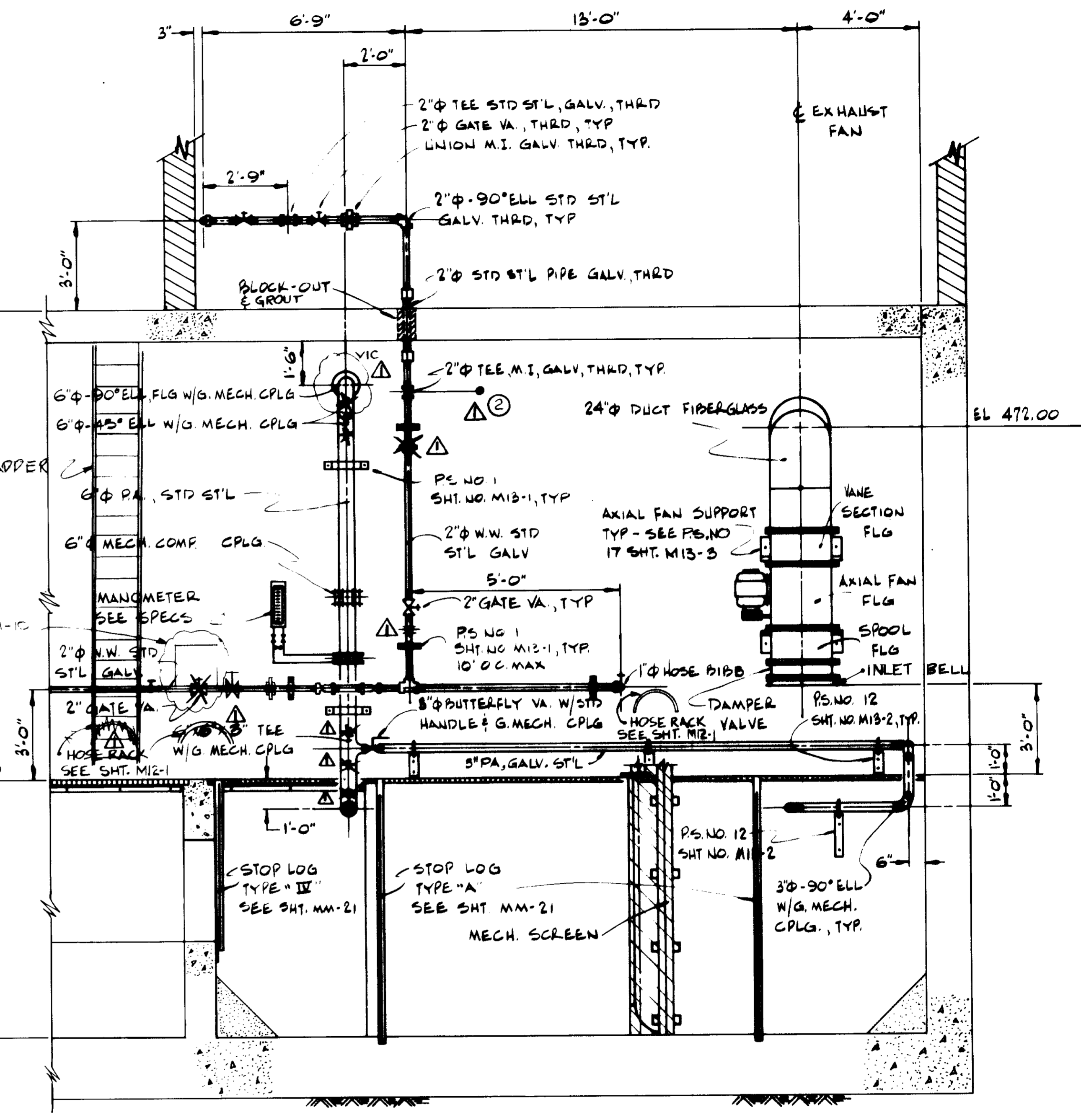
SCALE : 3/8"=1'-0" DESIGNED : N. OKONIEWSKI DRAWN : Y. KATSURA CHECKED :		SUBMITTED : <i>[Signature]</i> 14000 8-15-79 PROJECT MANAGER : R.C.E. NO. DATE PROJECT ADMINISTRATOR : <i>[Signature]</i> 14004 8-15-79 R.C.E. NO. DATE		KATOURA CONSULTING ENGINEERS A JOINT VENTURE 6601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90010 (213) 933-9117		LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. SCREENING & CHANNEL AREA — SECTION I		SHEET MI-9
--	--	---	--	---	--	---	--	----------------------



SECTION **E**



SECTION **F**



SECTION **G**

03245

RECORD DRAWING
 For Field Information Provided By Morley-Ziebarth & Alper
[Signature]
 RCE 14888
 KATSURA CONSULTING ENGINEERS March 1988

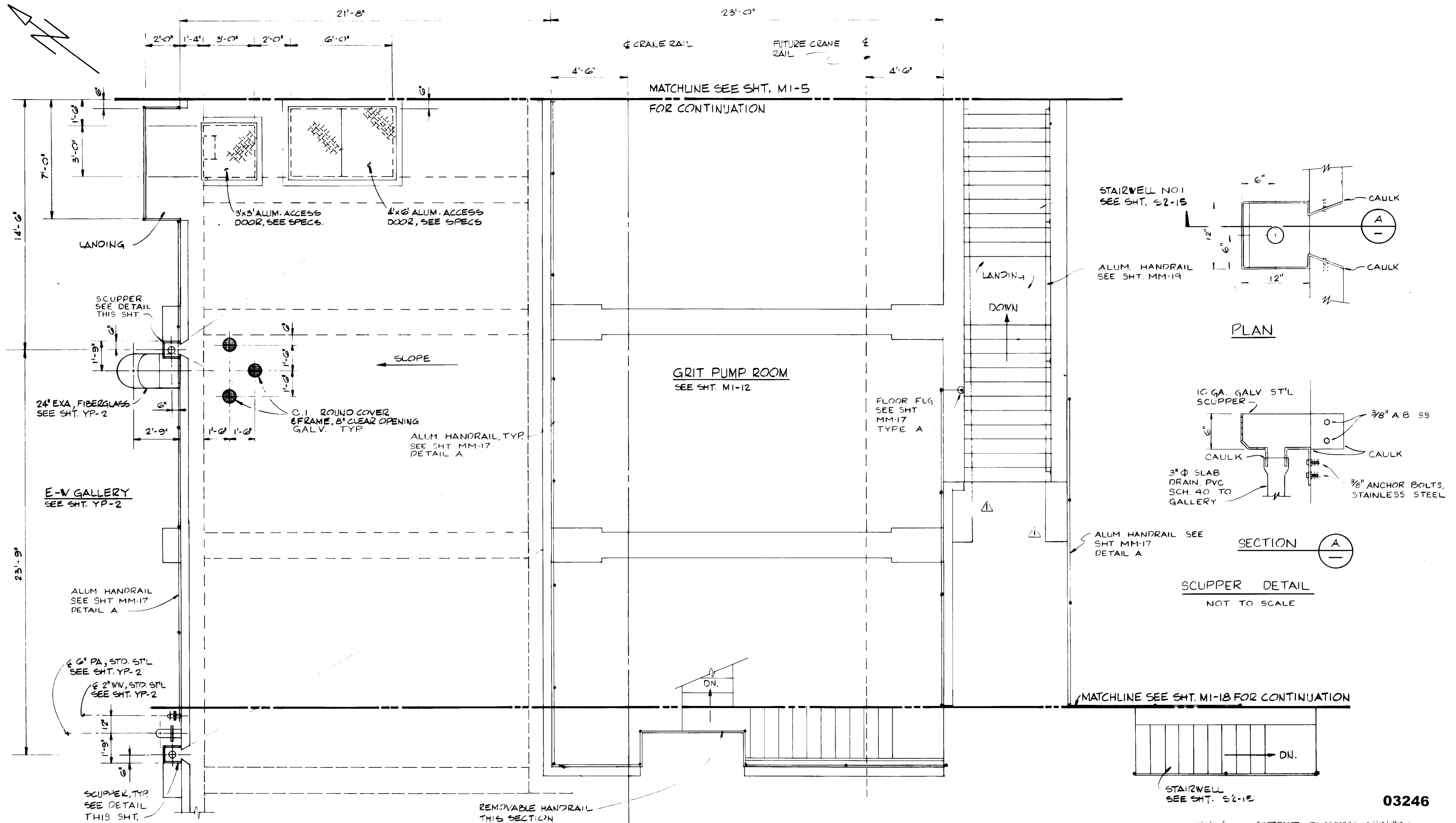
REV	DATE	BY	DESCRIPTION
72	2-21-88	REV PER HZA & JCE	

SCALE : 3/8" = 1'-0"	C.S./A.P./Y.K. DESIGNED N. OKONIEWSKI DRAWN Y. KATSURA CHECKED	SUBMITTED <i>[Signature]</i> PROJECT MANAGER 14888 8-15-79 R.C.E. NO. DATE	PROJECT ADMINISTRATOR <i>[Signature]</i> 14884 8-15-79 R.C.E. NO. DATE
-------------------------	---	--	---

K&K CONSULTING ENGINEERS
 JOINT VENTURE
 5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 858-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 SCREENING & CHANNEL AREA - SECTION II

SHEET
MI-10



PLAN

SECTION A

SCUPPER DETAIL
NOT TO SCALE

03246

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziobarth & Alper
Y. Katsura
KATSURA CONSULTING ENGINEERS RCE 14088
March 1986

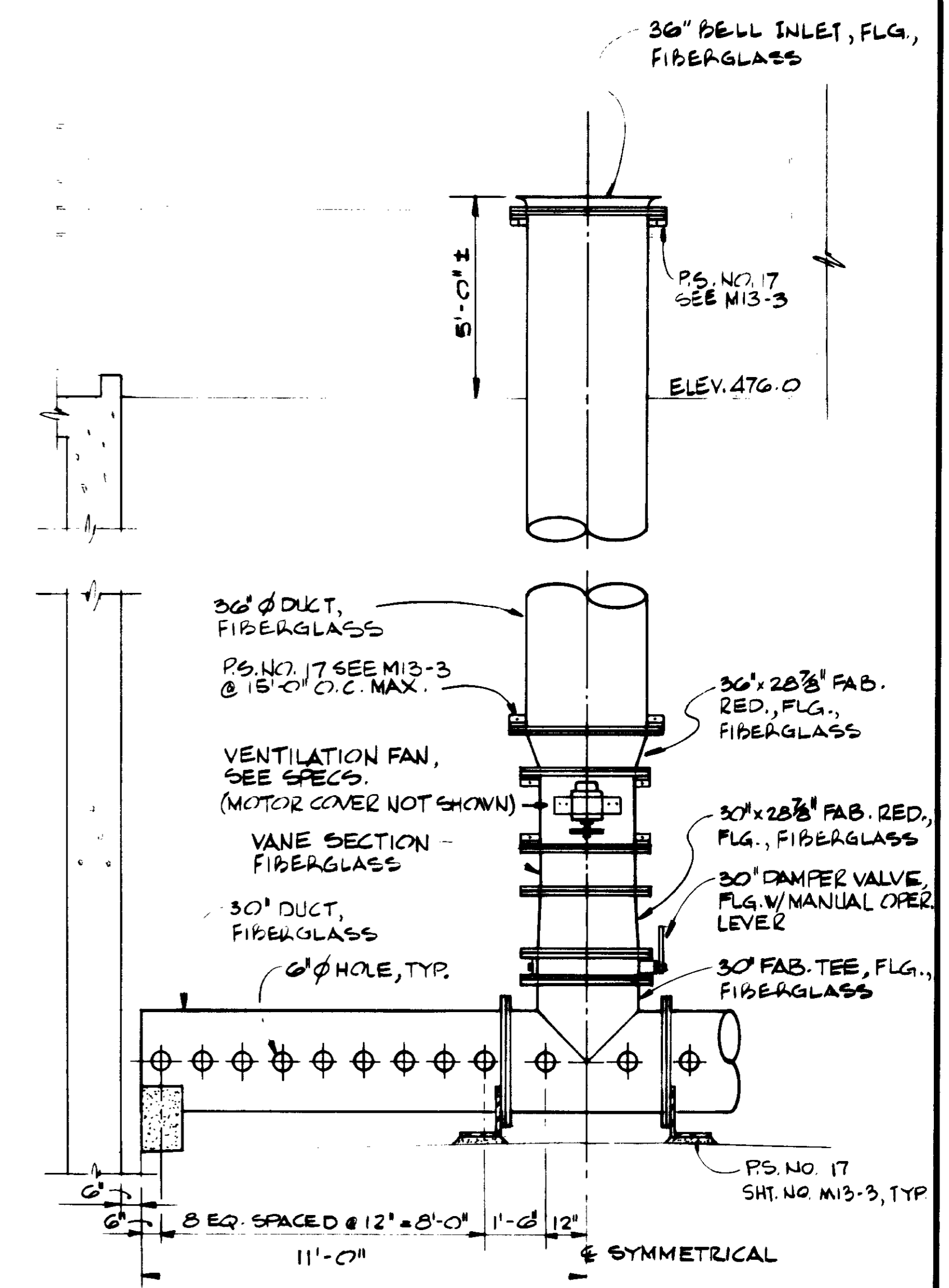
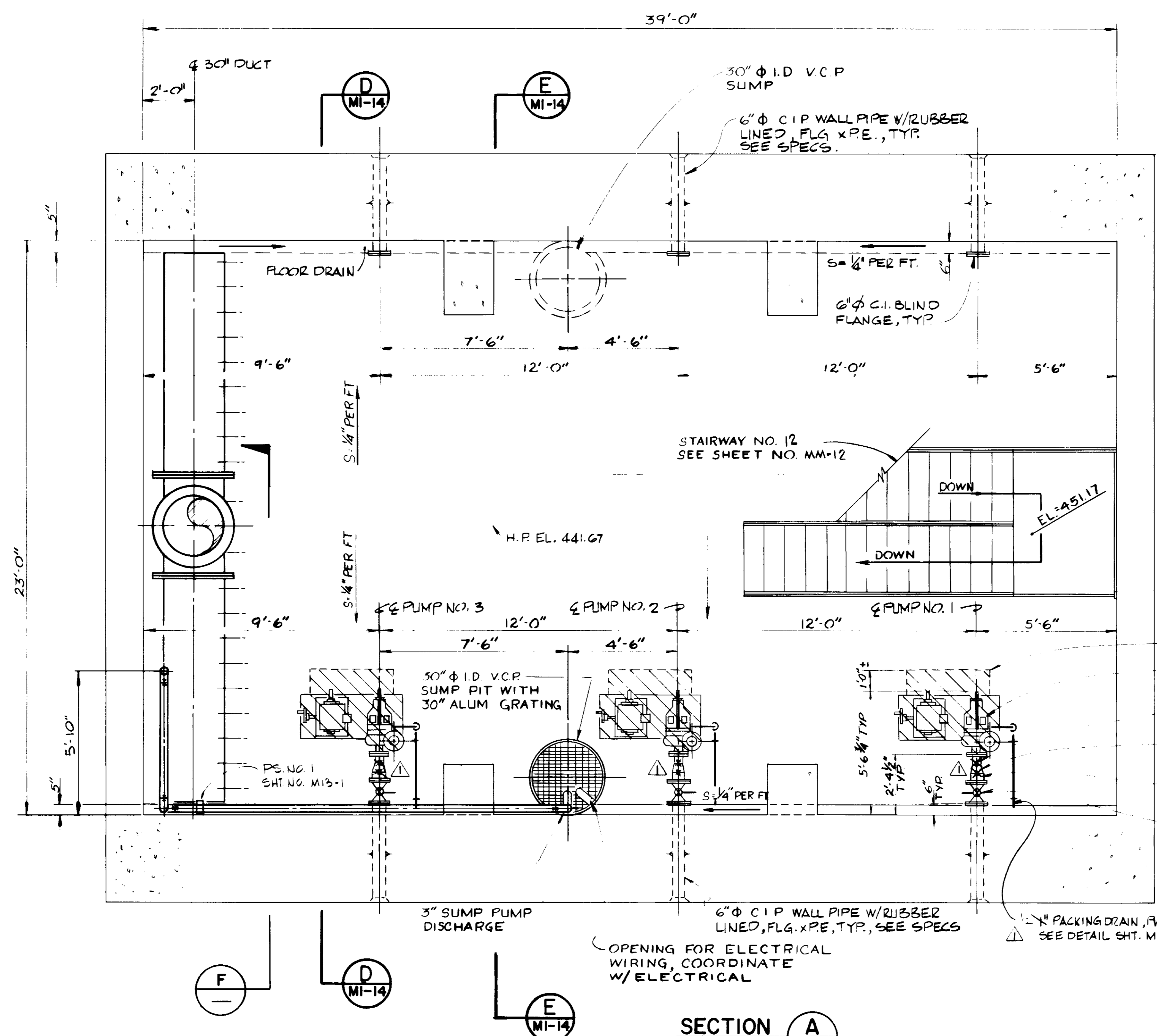
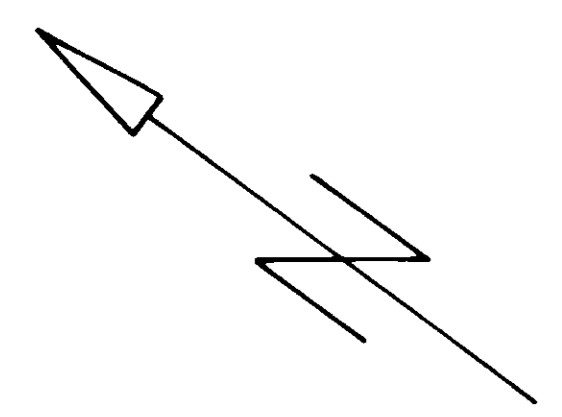
REV	DATE	BY	DESCRIPTION

SCALE :	CS./A.P./Y.K.	SUBMITTED	14038	8-15-79
3/8"=1'-0"	DESIGNED	G.WINKLER	R.C.E. NO.	DATE
	DRAWN	Y.KATSURA	14884	8-15-79
	CHECKED	PROJECT ADMINISTRATOR	R.C.E. NO.	DATE

JKC CONSULTING ENGINEERS
A JOINT VENTURE
5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
GRIT CHAMBER & VICINITY -
PLAN ELEVATION 476.00

SHEET
M1-11



- BELT GUARD, TYP
- CYCLONE SEPARATOR PUMPS SEE SPECS., TYP
- 4" STD. ST'L SPOOL W/GROOVED MECH. CPLG. & FLG., TYP
- 6" ϕ x 4" ϕ STD. ST'L REDUCER W/GROOVED MECH. CPLG., TYP
- 1/2" FLG. CPLG., TYP
- 6" STD. ST'L SPOOL W/GROOVED MECH. x FLG. CPLG., TYP
- 6" ϕ PLUG VALVE, FLG. x FLG., WRENCH OPERATOR, TYP

RECORD DRAWINGS

Per Field Information Provided by Morley-Ziebarth & Alper

[Signature] RCE 14088
KATSURA CONSULTING ENGINEERS March 1988

03247

REV	DATE	BY	DESCRIPTION

SCALE :	C.S./A.P./Y.K.
3/8" = 1'-0"	DESIGNED
	S. CALDERON
	DRAWN
	Y. KATSURA
	CHECKED

SUBMITTED	14038	8-5-79
PROJECT MANAGER	R.C.E. NO.	DATE
PROJECT ADMINISTRATOR	14884	8-15-79
	R.C.E. NO.	DATE

JKA CONSULTING ENGINEERS
A JOINT VENTURE
5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
GRIT PUMP ROOM — PLAN SECTION

SHEET
MI-12

EL. 484.33

CRANE RAIL - SEE SPECS

EL. 484.50

ALUM. HANDRAIL, TYP. SEE SHEET MM-17

6" X 5" RED. STD STL W/ RUBBER LINING, TYPICAL

PS NO. 2 SHT. NO M13-1

EL. 476.00

EL. 479.00
EL. 477.00

ALTITUDE GAUGE

PRESSURE SWITCH (SEE ELECTRICAL)

DIAPHRAGM ISOLATOR 1/2" GATE VALVE

1/2" THREADED FITTINGS

1" HOSE VALVE

REDUCING TEE 1" GATE VALVE THRD 1" EXTRA HEAVY CYLG. (WELDED)

5" X 4" STD. STL FAB. REDUCER FLG X FLG, TYP

PRESSURE SWITCH & GAUGE DETAIL NOT TO SCALE

EL. 468.67
TOP OF LANDING

STAIRWAY NO. 12
SEE SHEET MM-12
STAIRS NOT IN TRUE VIEW

EL. 459.92
TOP OF LANDING

PS NO. 2 SHT. NO M13-1, TYP 10' O.C. MAX

PS NO. 1 SEE SHT. M13-1 10' O.C. MAX

2" WW STD. STL GALV. THRD, TYP.

PROVIDE 10" X 13" BLOCKOUT AND FOR FUTURE PIPING OPPOSITE WALL

5" φ - 90° ELL STD. STL FLG X FLG, TYP
5" CHECK VALVE, RUBBER LINED, FLG X FLG TYP

5" φ X 4" φ STD STL (FAB) RED. FLG X FLG, TYP

EL. 451.17
TOP OF LANDING

6" STD STL RUBBER LINED TYP GRIT PUMP DISCH. LINE W/ G-MECH CPLG

2" φ WW STD STL GALV. THRD ENDS

FOR PURGE PACKING SEE SHT. M6-26

2" GATE VA, TYP

EL. 448.63 WW

ELEVATION TO BE VERIFIED 464± W/ DISTRICT FURNISHED EQUIP

EL. 444.92
SUMP PUMP DISCH.

EL. 441.67

PS NO. 1 SHT. NO M13-1 TYP
PRESSURE SWITCH & GAUGE SEE DETAIL HERE ON, TYP HOSE RACK, SEE SHT M12-1 EL. 444.17

PURGE WATER LINE
CYCLONE SEPARATOR PUMP (TYP) SEE SPECS

PS NO. 1 SHT. NO M13-1 TYP

PS NO. 1 SHT. NO M13-1, TYP

PS NO. 29 SEE SHT. M13-5, TYP

3" φ SUMP PUMP DISCH. W/ G-MECH CPLG

1/2" φ UNION THRD, TYP.
1/2" φ GATE VA. THRD, TYP.
1/2" SOLENOID VA. SEE ELECTRICAL, TYP.

EL. 437.67

1/2" φ PURGE WATER LINE, STD. STL, GALV, THRD
30" φ I.D. V.C.P. SUMP PIT W/ 12" MIN. CONC ENCASEMENT ALL AROUND

SECTION C

NOTES:

- VENTILATION FAN NOT SHOWN SEE SHT. M1-12
- PACKING DRAIN NOT SHOWN SEE SHT. M1-11 FOR PLAN & DETAIL SEE SHT. M1-11 M1-14

RECORD DRAWINGS

Per Field Information Provided by Morley-Ziebarth & Alger

Yoshitaka Katsura
KATSURA CONSULTING ENGINEERS RCE 14038
March 1988

03248

REV	DATE	BY	DESCRIPTION

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

C.S./A.P./Y.K.
DESIGNED
J. LANG
DRAWN
Y. KATSURA
CHECKED

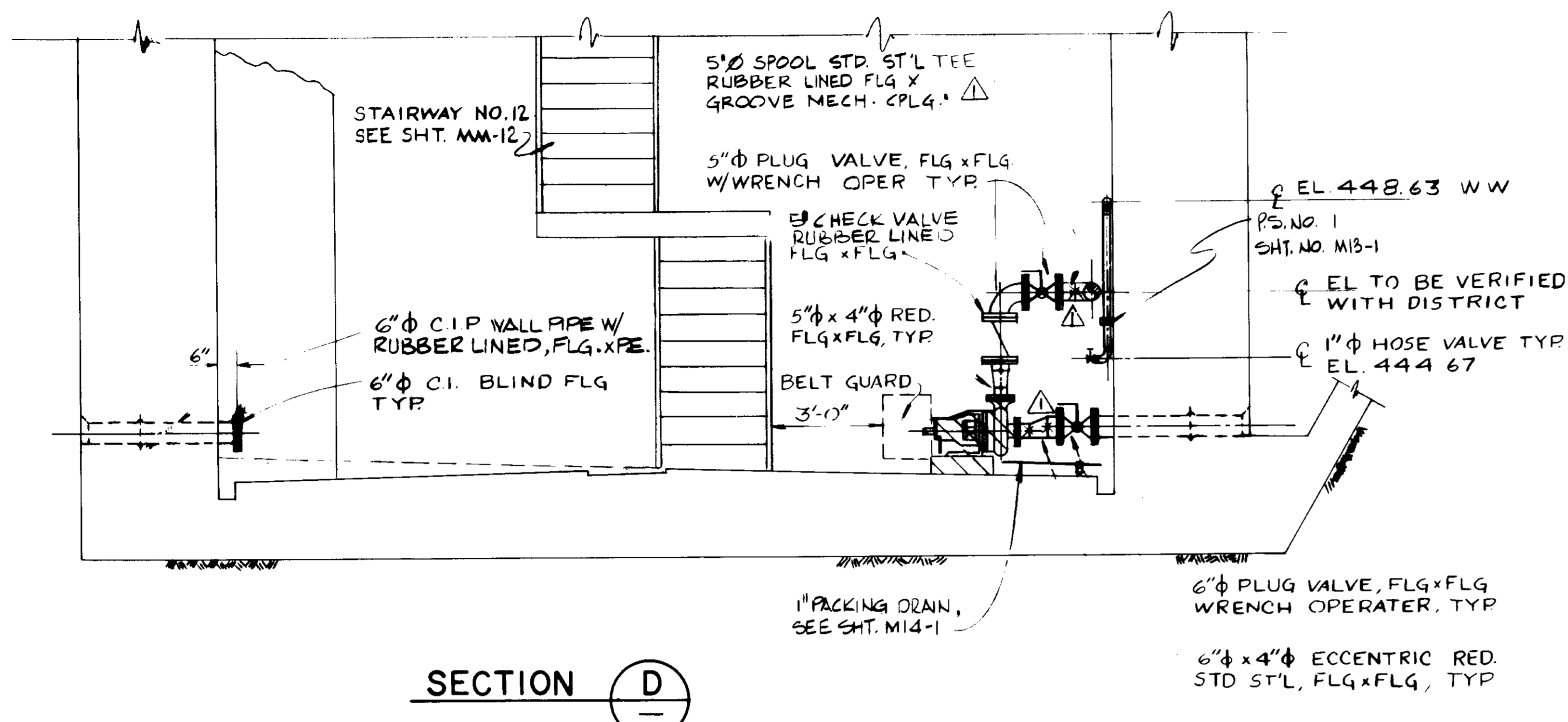
SUBMITTED
Yoshitaka Katsura
PROJECT MANAGER
14038 8-15-79
R.C.E. NO. DATE

David H. ...
PROJECT ADMINISTRATOR
14884 8-15-79
R.C.E. NO. DATE

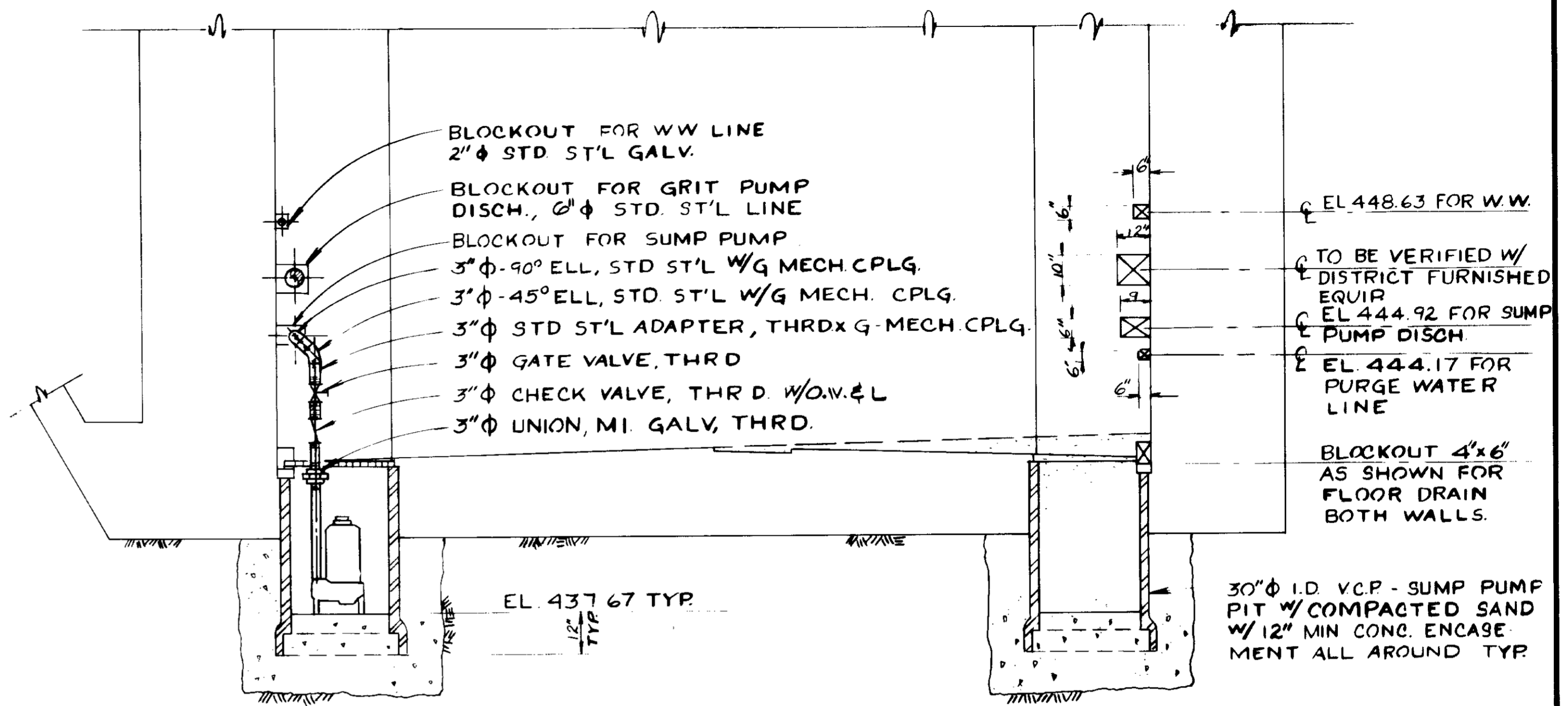
JK CONSULTING ENGINEERS
A JOINT VENTURE
8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
GRIT PUMP ROOM - SECTION I

SHEET
MI-13

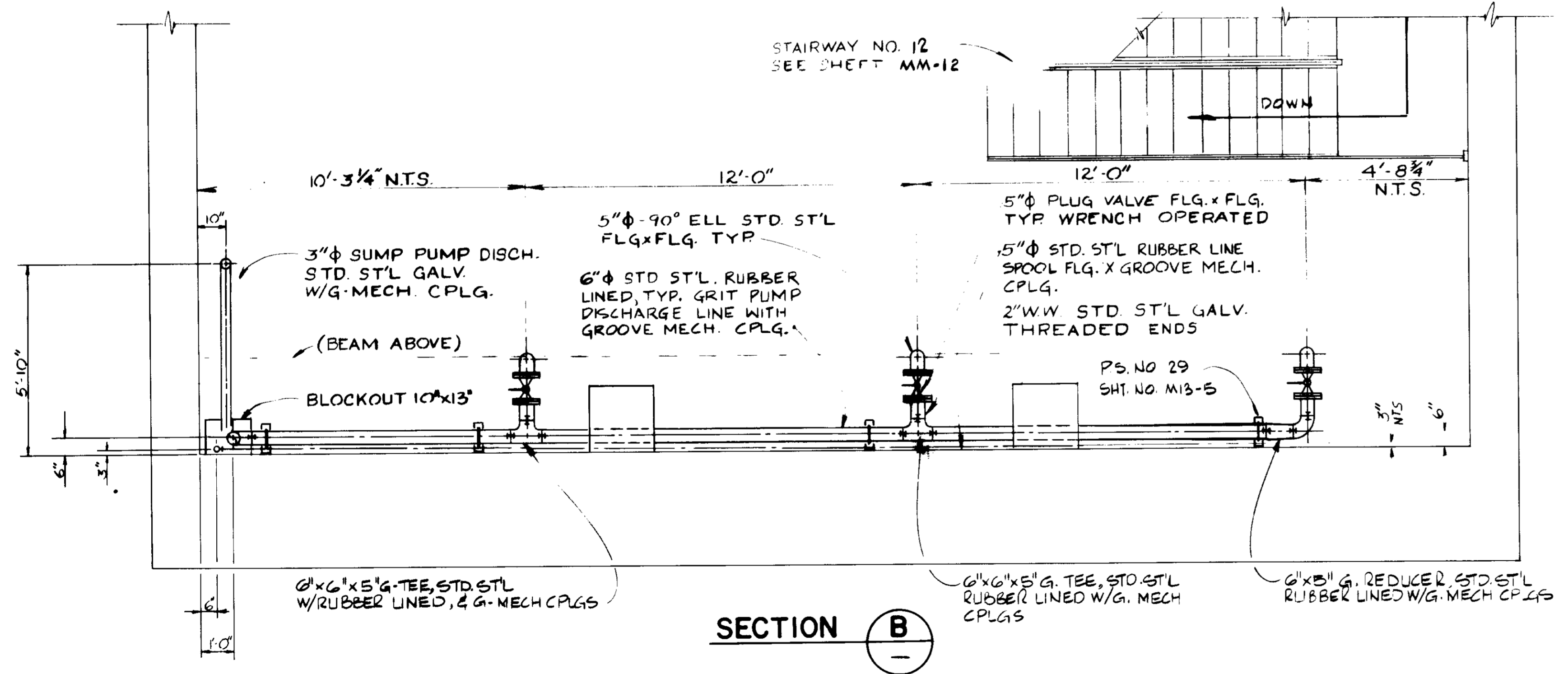


SECTION D

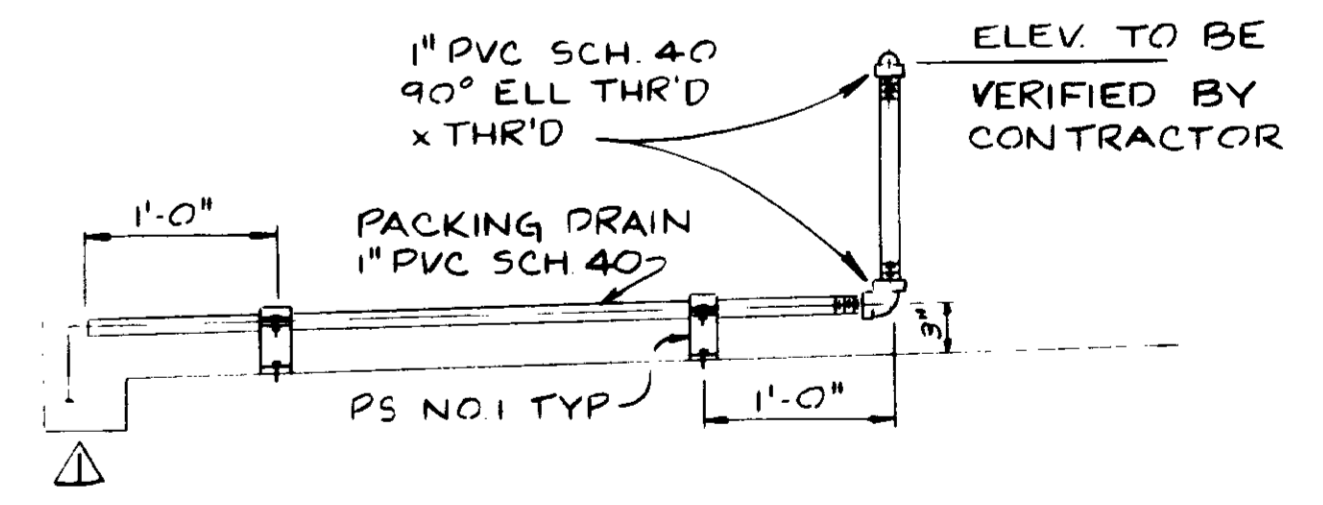


SECTION E

NOTE: BLOCKOUTS TO BE DRY PACKED AFTER PIPES HAVE BEEN INSTALLED TO SERVE AS PIPE SUPPORTS



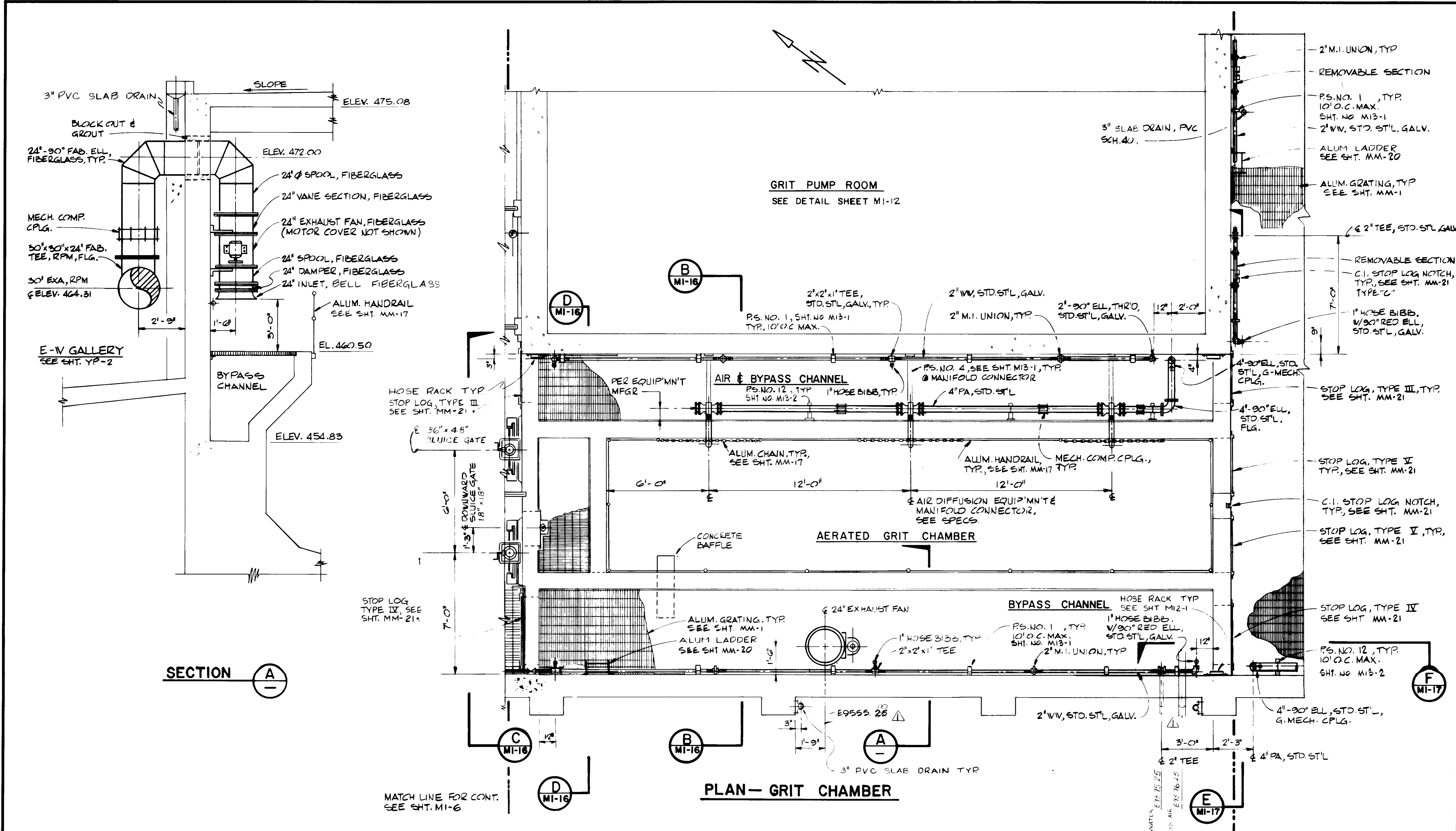
SECTION B



PACKING DRAIN ELEVATION
SCALE: 1"=1'-0"

03249

DESIGNED C. SENIVONGS DRAWN Y. KATSURA CHECKED		SCALE: 3/8" = 1'-0" 7-22-79 REV PER MZA & JLE		SUBMITTED PROJECT MANAGER PROJECT ADMINISTRATOR		14038 8-15-79 R.C.E. NO. DATE 14034 8-15-79 R.C.E. NO. DATE		J&K CONSULTING ENGINEERS A JOINT VENTURE 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 933-9117		RECORD DRAWINGS Per Field Information Provided By Morley-Ziebarth & Alper RCE 14038 KATSURA CONSULTING ENGINEERS March 1985		LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. GRIT PUMP ROOM - SECTION II		SHEET MI-14	
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION								



PLAN - GRIT CHAMBER

SECTION A

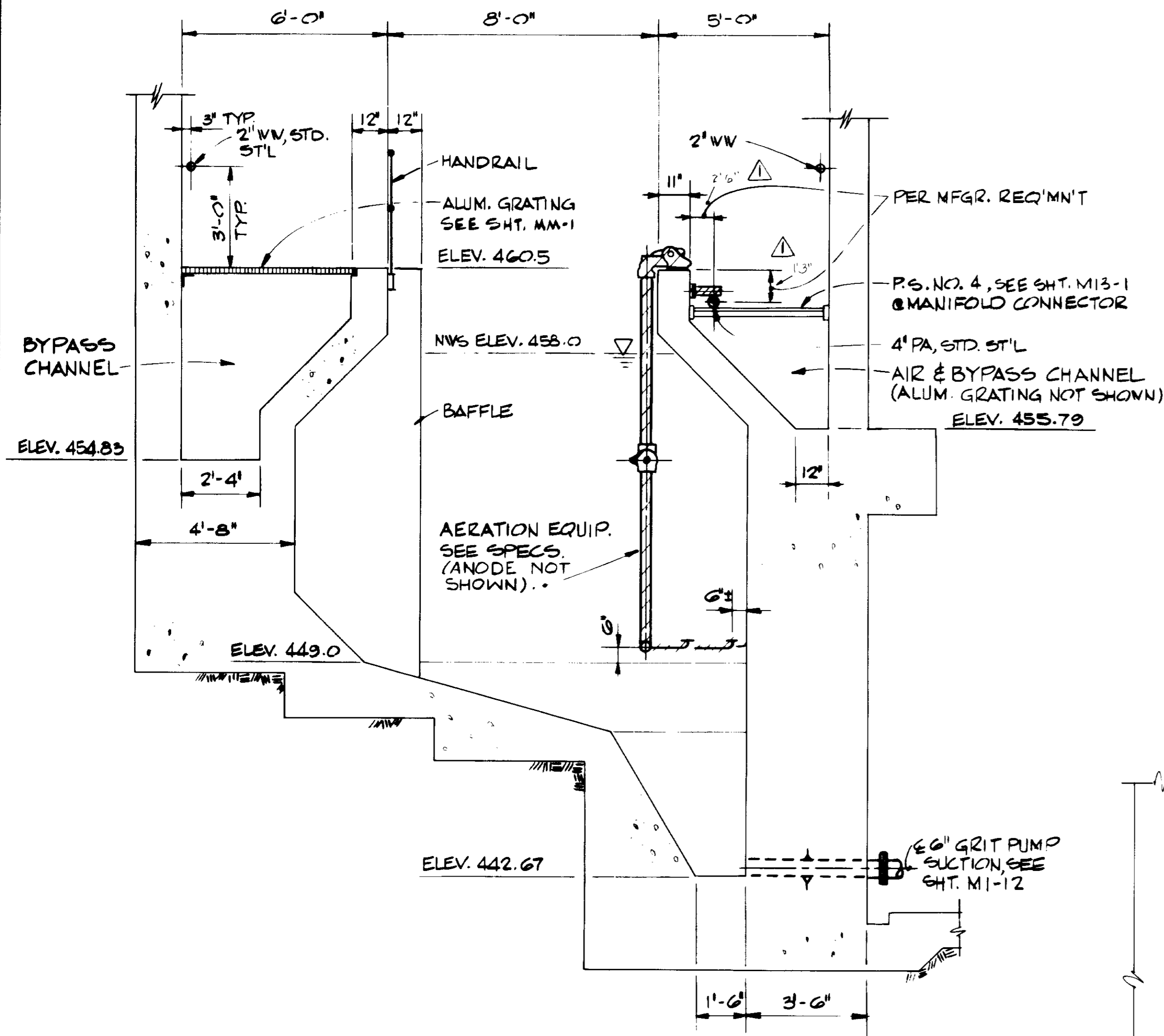
RECORD DRAWINGS
 Per Field Information Provided by Morley-Ziebarth & Alper

[Signature]
 RCE 14038
 KATSURA CONSULTING ENGINEERS March 1985

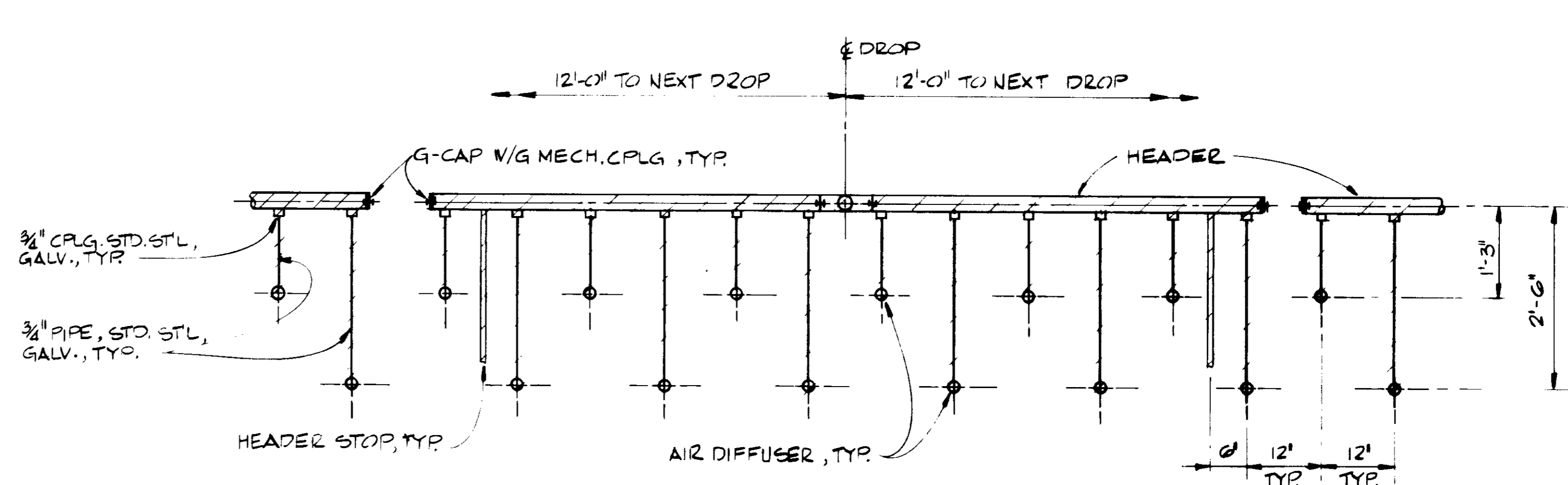
MATCH LINE FOR CONTINUATION
 SEE SHT. MI-19

03250

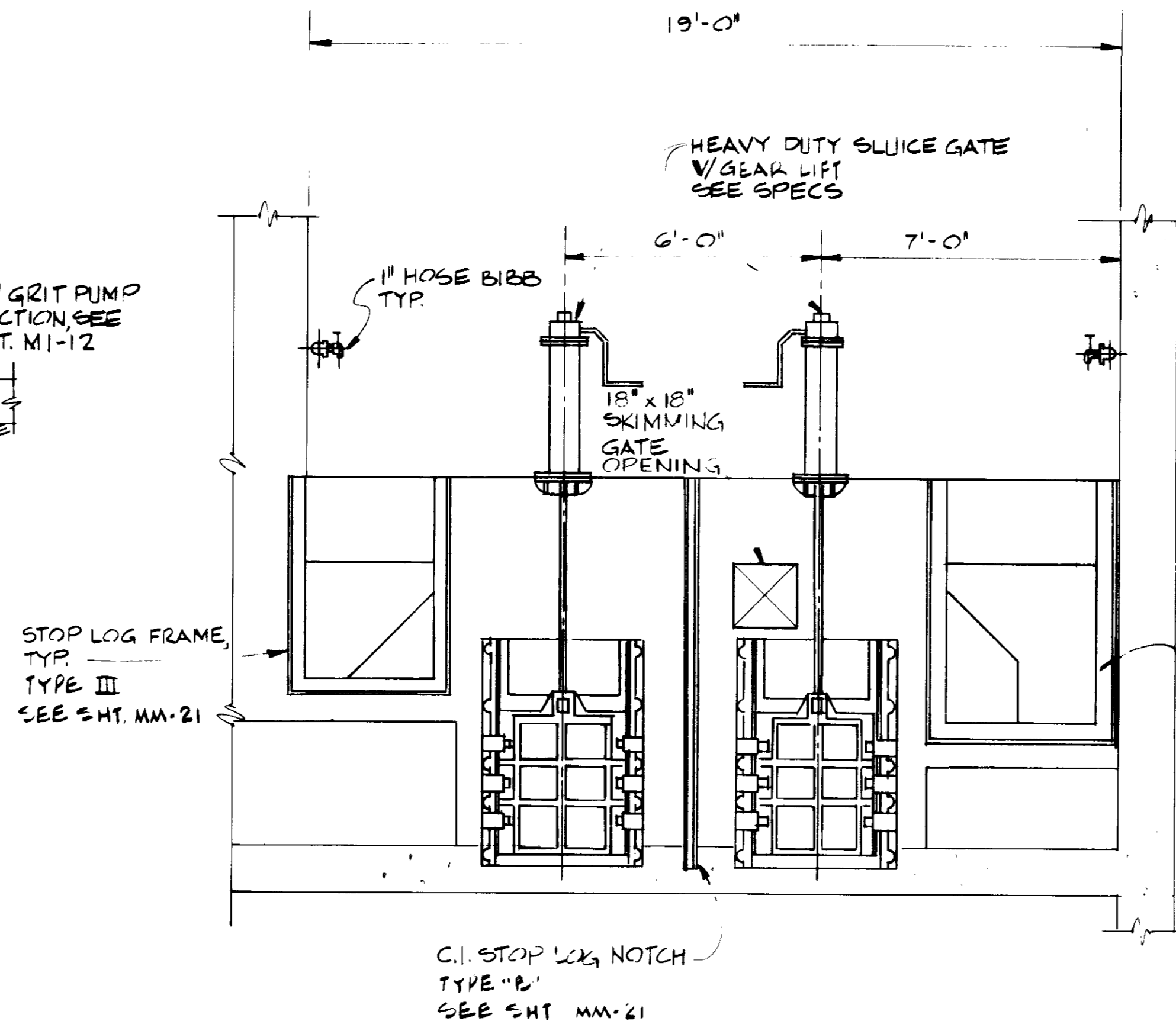
SCALE : 3/8" = 1'-0" C.S./Y.K. DESIGNED J.LANG DRAWN Y.KATSURA CHECKED		SUBMITTED: <i>[Signature]</i> PROJECT MANAGER: <i>[Signature]</i> PROJECT ADMINISTRATOR: <i>[Signature]</i>		14038 8-15-79 R.C.E. NO. DATE 14884 8-15-79 R.C.E. NO. DATE		J&K CONSULTING ENGINEERS A JOINT VENTURE 8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 933-9117		LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. GRIT CHAMBER - PLAN		SHEET MI-15	
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION				
				7-27-84	C.L.	REV. PER MZA & J.C.E.					



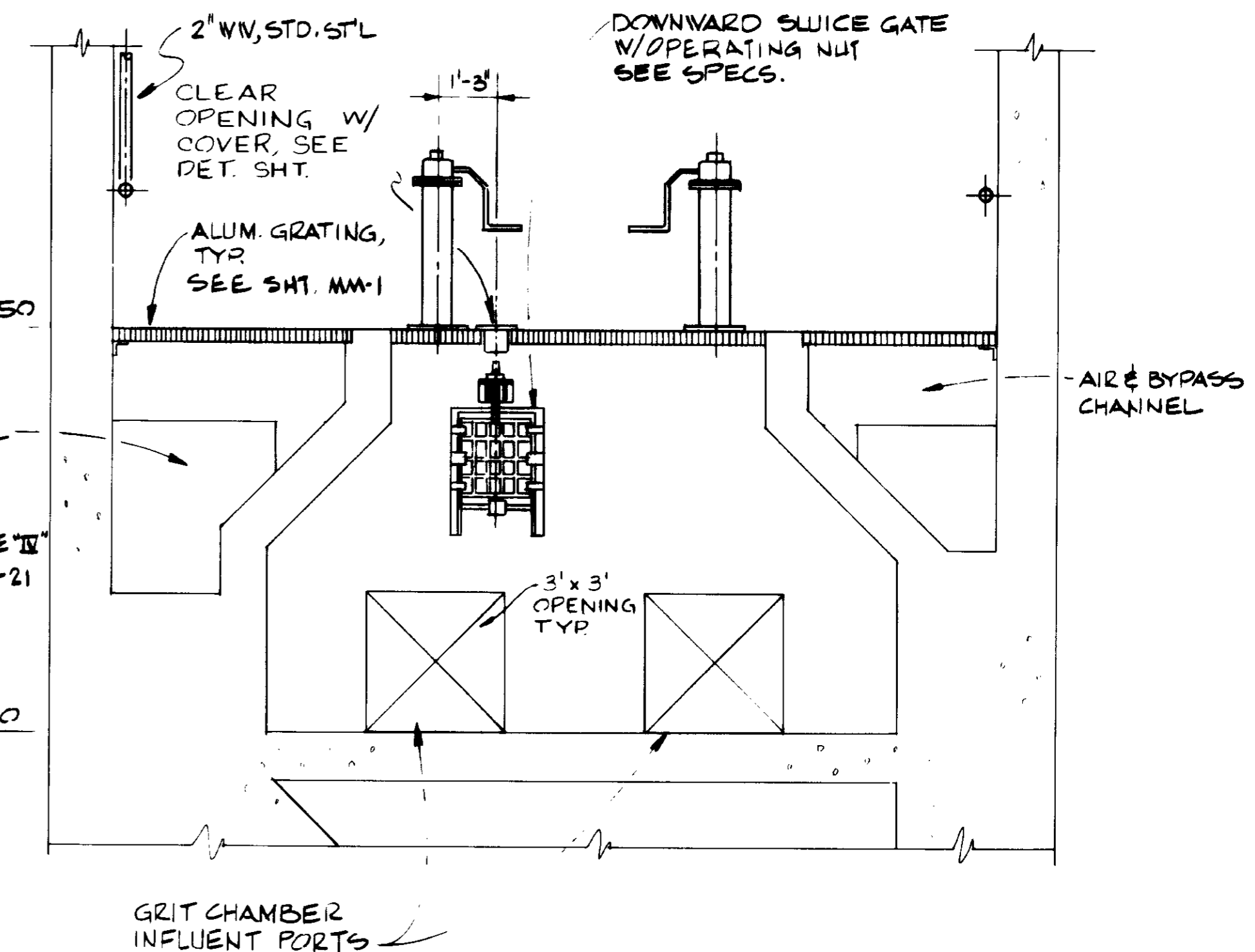
SECTION **B**



AIR DIFFUSER DETAIL
3/4" = 1'-0"



SECTION **C**



SECTION **D**

03251

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

Y. Katsura
KATSURA CONSULTING ENGINEERS RCE 14038
March 1986

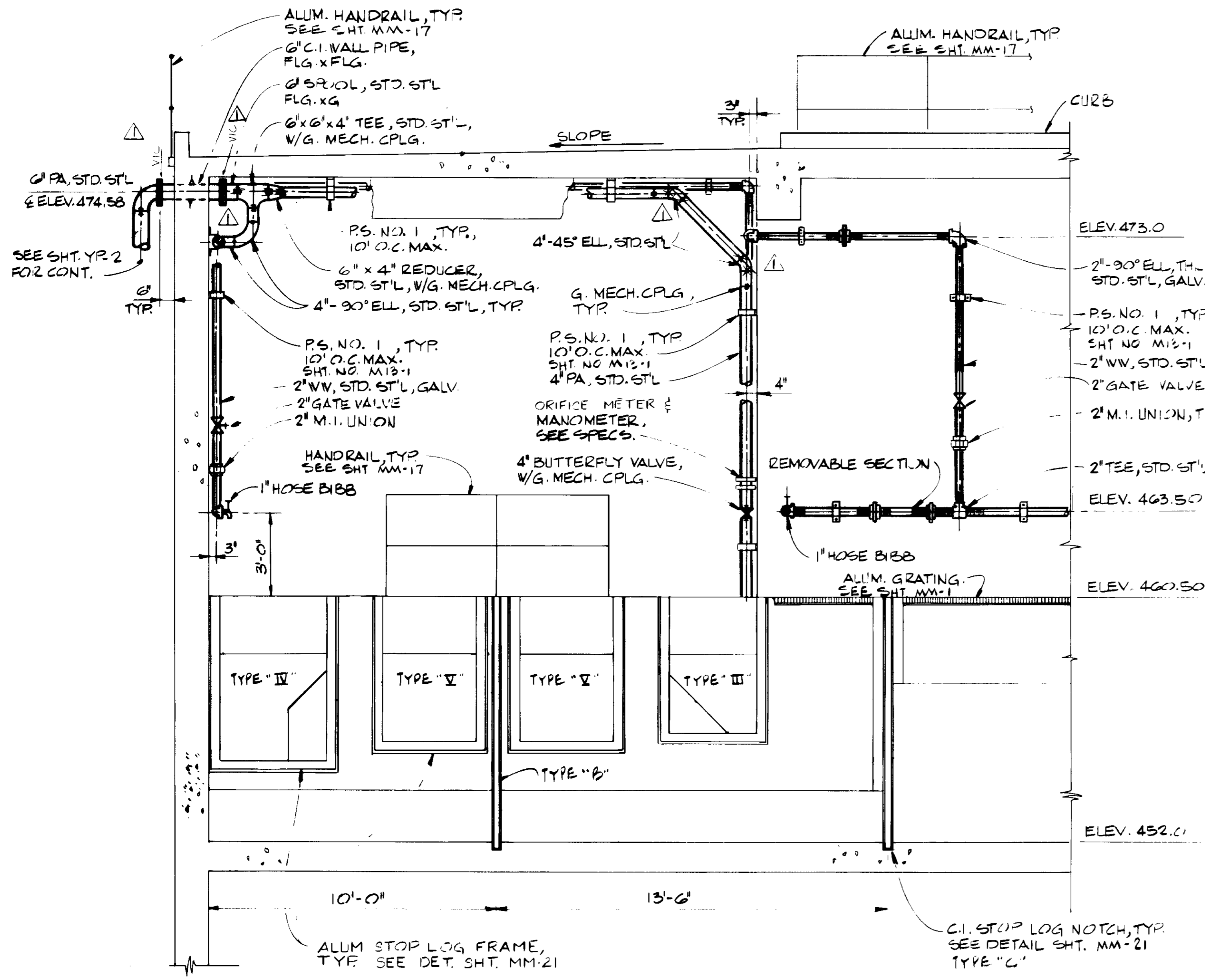
REV	DATE	BY	DESCRIPTION

SCALE :	C.S. / Y.K.	SUBMITTED	14038	8-15-79
DESIGNED	C. SENIVONGS	PROJECT MANAGER	R.C.E. NO.	DATE
DRAWN	Y. KATSURA	PROJECT ADMINISTRATOR	14884	8-15-79
CHECKED			R.C.E. NO.	DATE

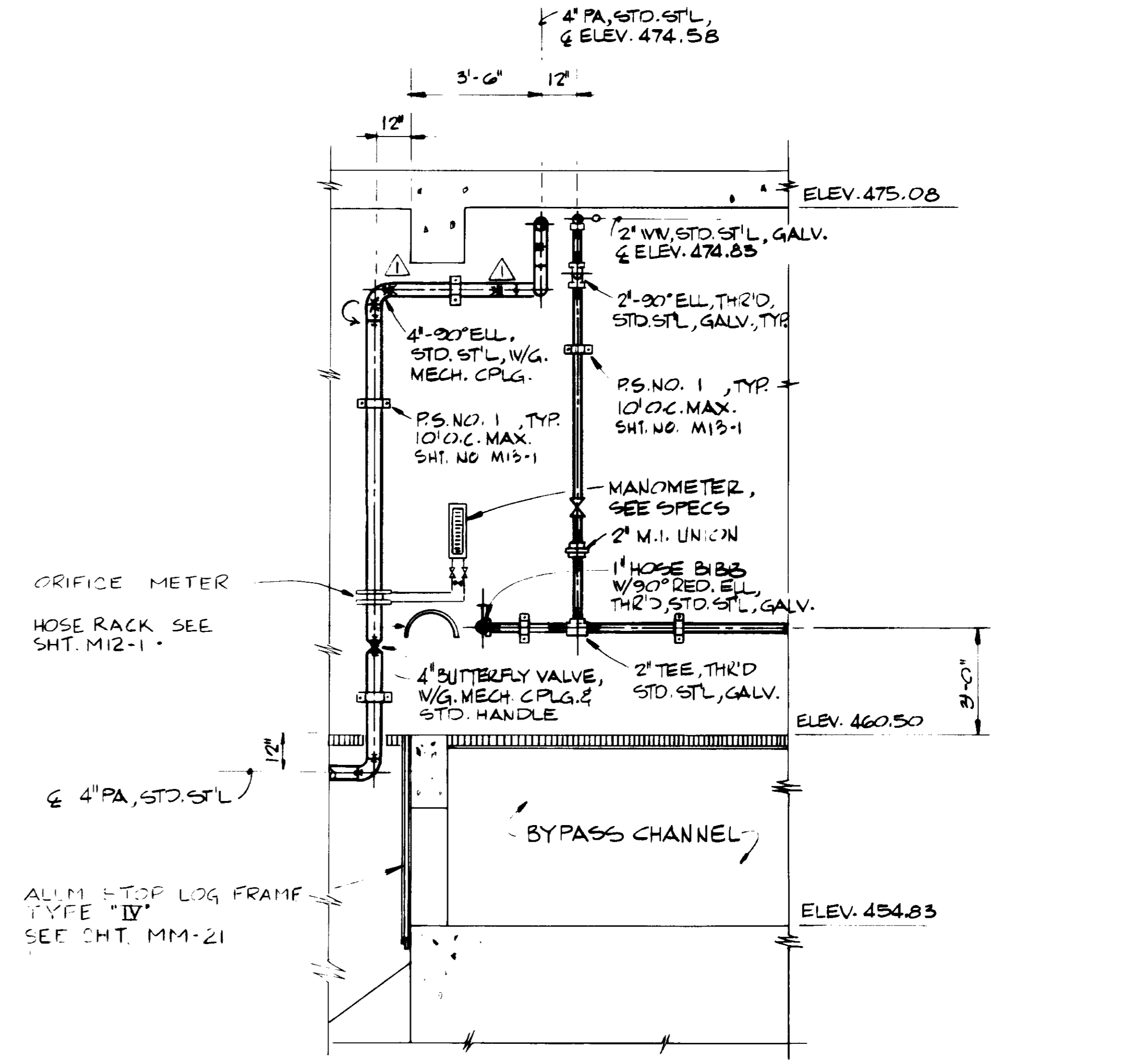
JKC CONSULTING ENGINEERS
A JOINT VENTURE
5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
GRIT CHAMBER — SECTION I

SHEET
MI-16



SECTION **E**



SECTION **F**

NOTE: HANDRAIL & CURB NOT SHOWN

03252

RECORD DRAWINGS
 Per Field Information Provided By Morley-Zloberth & Alper
[Signature] RCE 14898
 KATSURA CONSULTING ENGINEERS March 1985

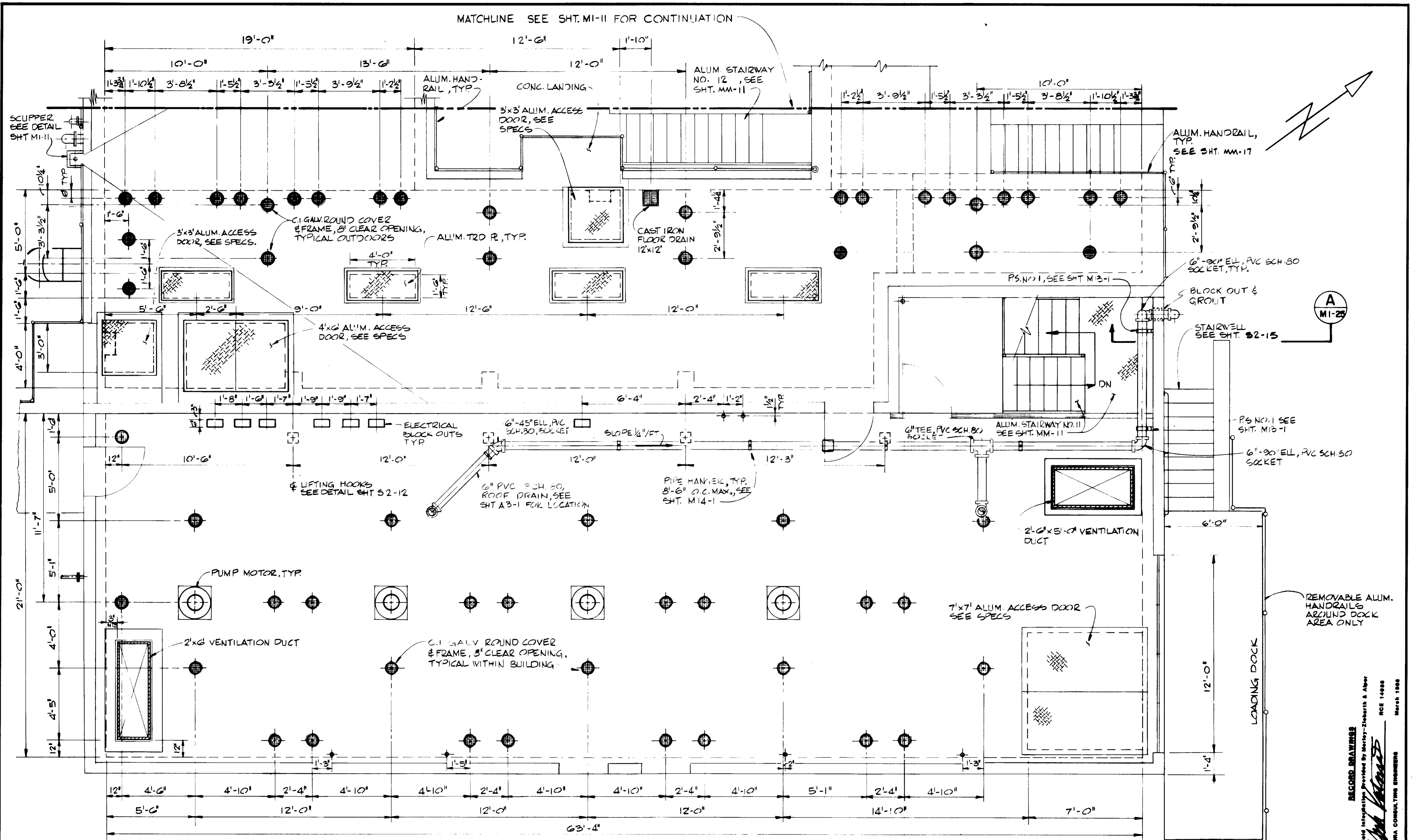
REV	DATE	BY	DESCRIPTION

SCALE : 3/8" = 1'-0"	C.S. / Y.K. DESIGNED J. LANG DRAWN Y. KATSURA CHECKED	SUBMITTED <i>[Signature]</i> PROJECT MANAGER <i>[Signature]</i> PROJECT ADMINISTRATOR	14038 8-15-79 R.C.E. NO. DATE 14894 8-15-79 R.C.E. NO. DATE
-------------------------	--	---	--

JK CONSULTING ENGINEERS
 A JOINT VENTURE
 5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 GRIT CHAMBER — SECTION II

SHEET
MI-17



PLAN

03253

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

SCALE :	C.S./Y.K.	SUBMITTED	14038	8-15-79
3/8" = 1'-0"	DESIGNED	J. LANG	R.C.E. NO.	DATE
	DRAWN	Y. KATSURA	14894	8-15-79
	CHECKED			

J&K CONSULTING ENGINEERS
 A JOINT VENTURE
 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 933-1177

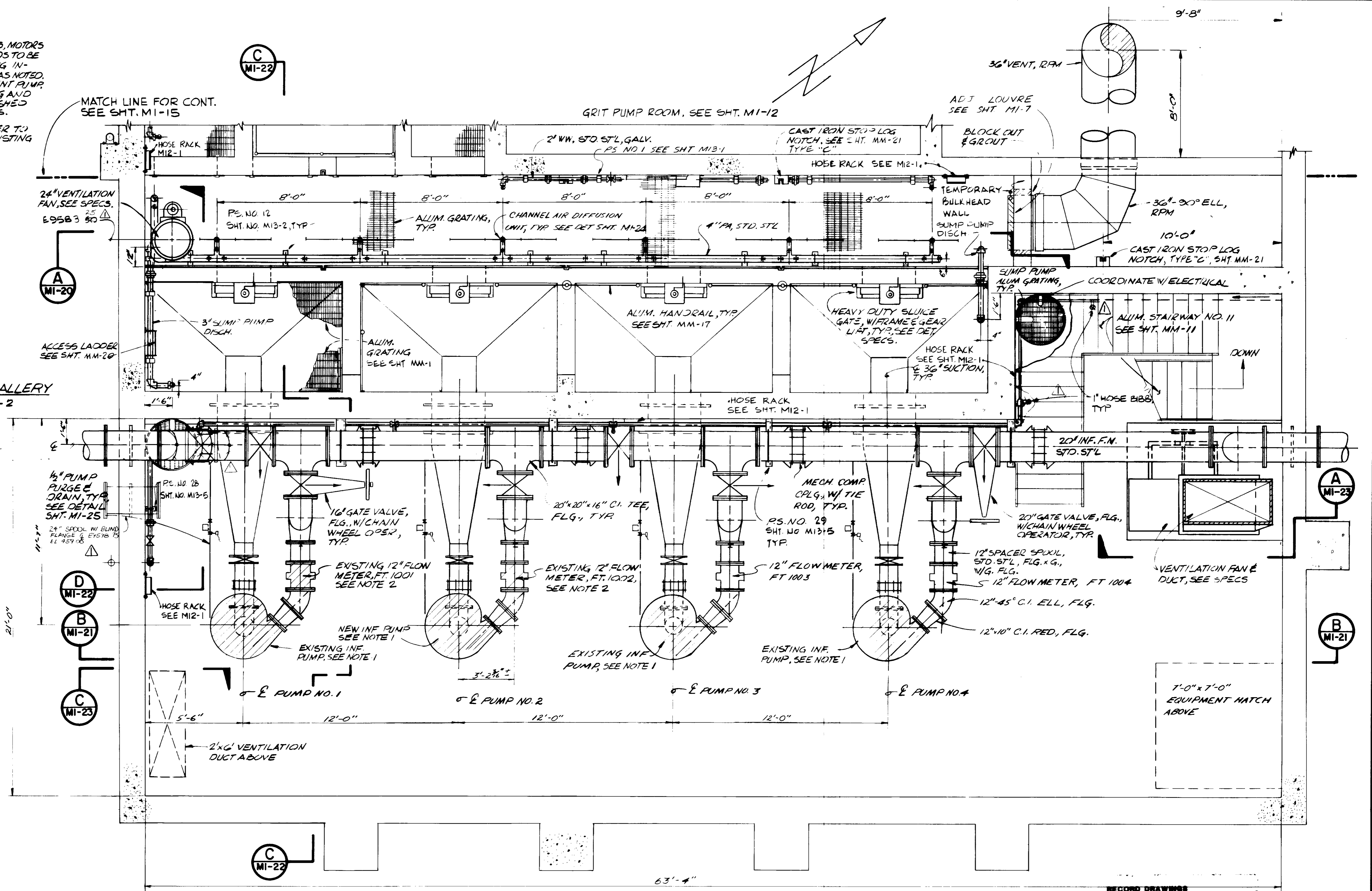
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 INFLUENT PUMP STATION & VICINITY
 PLAN ELEVATION 478.00

SHEET
 MI-18

RECORD DRAWINGS
 Per Field Information Provided by Morley-Ziebarth & Alper
 RCE 14898
 March 1988
 KATSURA CONSULTING ENGINEERS

NOTES

- EXISTING INFLUENT PUMPS, MOTORS & BASES, AND SHAFT GUARDS TO BE RELOCATED FROM EXISTING INFLUENT PUMP STATION AS NOTED. SEE SPECS. NEW INFLUENT PUMP MOTOR & BASE, SHAFTING AND APPURTENANCES, FURNISHED BY DISTRICT SEE SPECS.
- EXISTING 12" FLOW METER TO BE RELOCATED FROM EXISTING 12" F.M. SEE SPECS.
- CHECK VALVE
3- EXISTING,
1- NEW



PLAN - INFLUENT PUMP

RECORD DRAWING
Per Field Information Provided by Morley-Ziebarth & Alber
[Signature]
RCE 14038
KATSURA CONSULTING ENGINEERS
March 1988

03254

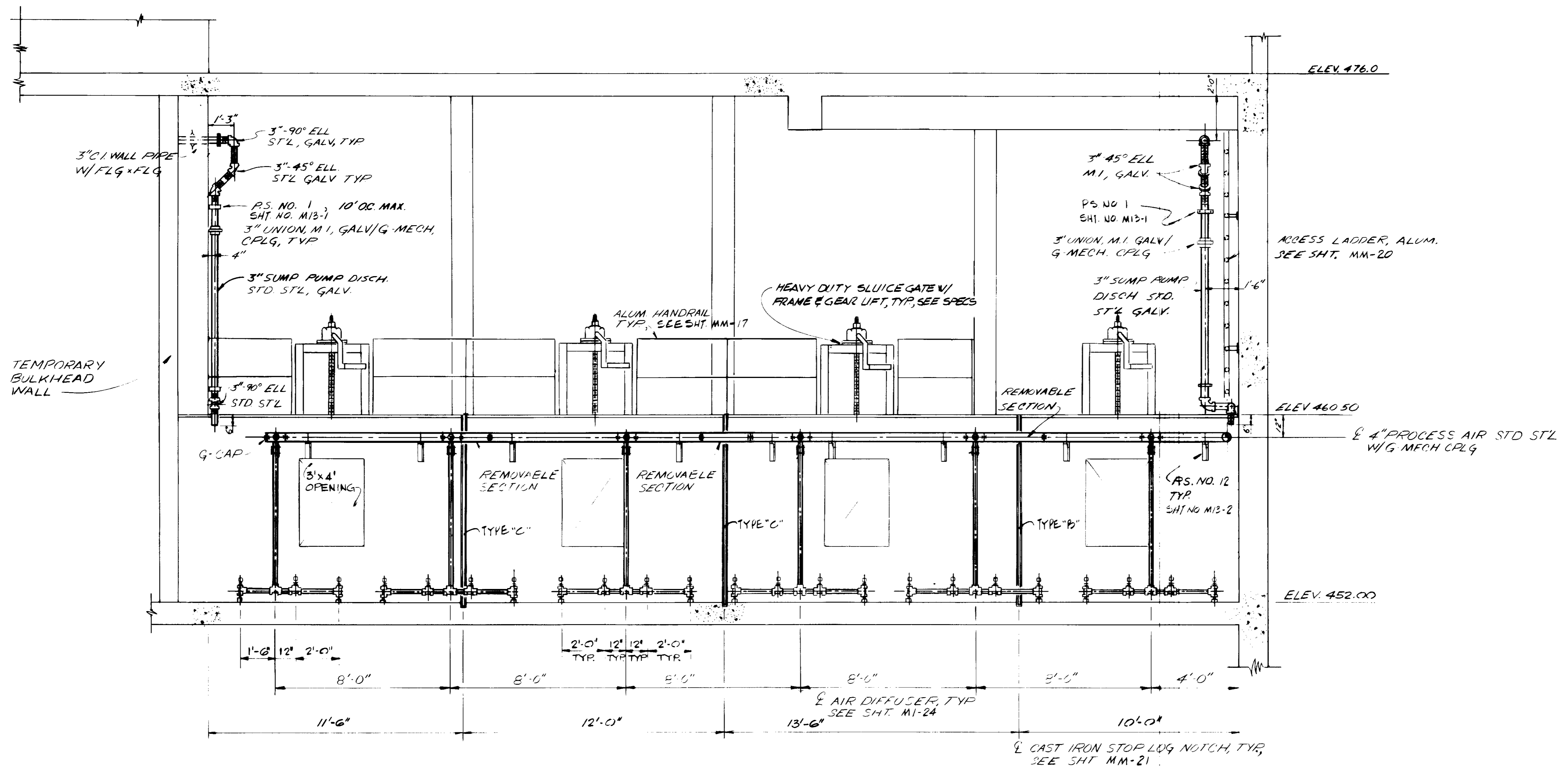
REV	DATE	BY	DESCRIPTION

SCALE : 3/8" = 1'-0"	C.S. / Y.K. DESIGNED J. LANG DRAWN Y. KATSURA CHECKED	SUBMITTED <i>[Signature]</i> PROJECT MANAGER <i>[Signature]</i> PROJECT ADMINISTRATOR	14038 R.C.E. NO. 8-15-79 DATE	14884 R.C.E. NO. 8-15-79 DATE
-------------------------	--	---	--	--

J&K CONSULTING ENGINEERS
A JOINT VENTURE
8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 833-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
INFLUENT PUMP ROOM - PLAN

SHEET
MI-19



SECTION A

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

[Signature]
RCE 14098
KATSURA CONSULTING ENGINEERS March 1985

03255

REV	DATE	BY	DESCRIPTION

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

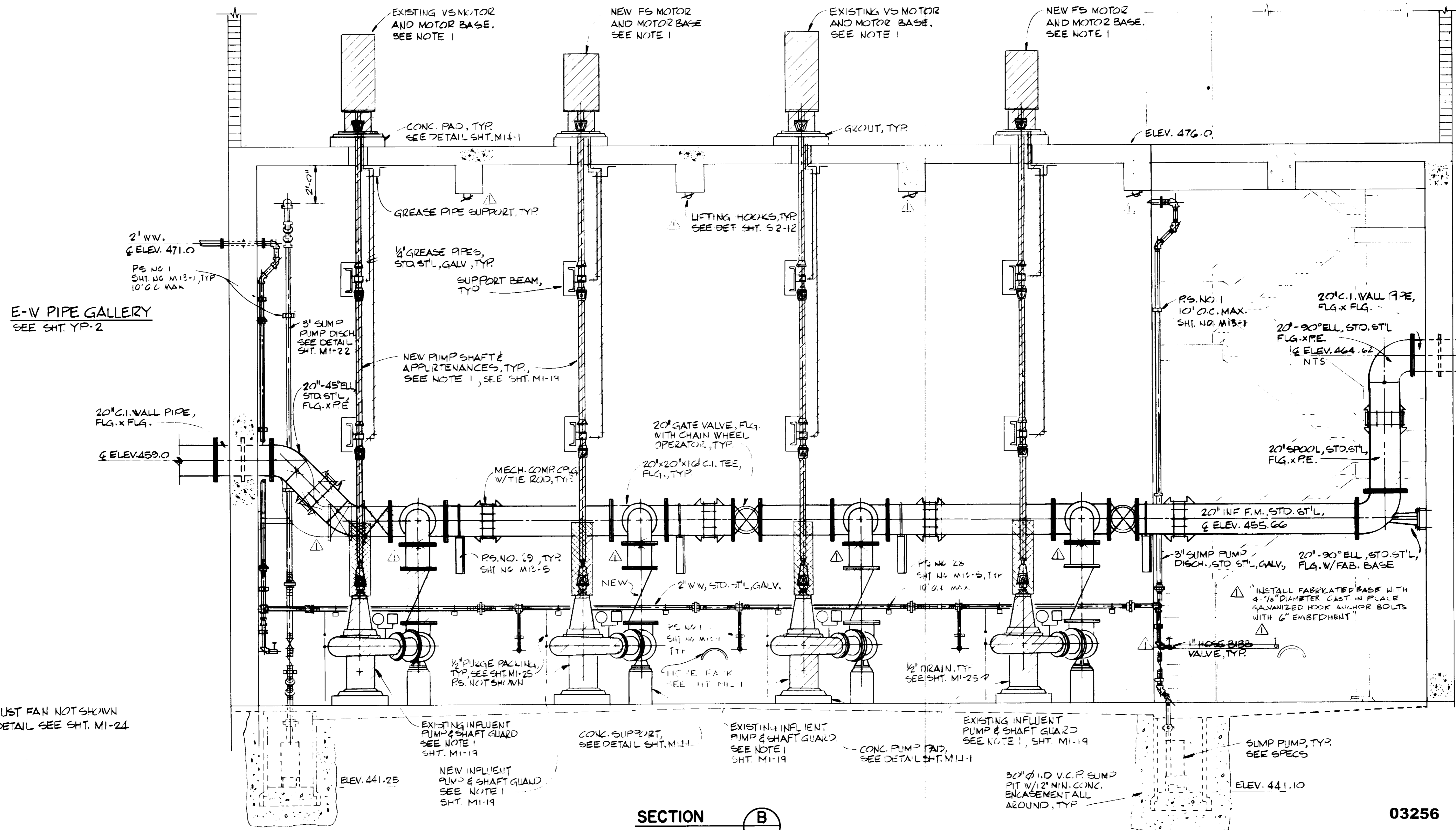
C.S./Y.K.
DESIGNED J. LANG
DRAWN Y. KATSURA
CHECKED

SUBMITTED *[Signature]* 14038 8-15-79
PROJECT MANAGER R.C.E. NO. DATE
[Signature] 14894 8-15-79
PROJECT ADMINISTRATOR R.C.E. NO. DATE

JKE CONSULTING ENGINEERS
A JOINT VENTURE
6601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 953-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPA W.R.F.
INLET CHANNEL — SECTION

SHEET
MI-20



E-W PIPE GALLERY
SEE SHT. YP-2

NOTE: EXHAUST FAN NOT SHOWN
FOR DETAIL SEE SHT. M1-24

SECTION **B**

ELEVATION — INFLUENT PUMP

03256

RECORD DRAWINGS
Per Field Information Provided by Morley-Ziebarth & Alper
Yoshitaka
KATSURA CONSULTING ENGINEERS March 1988

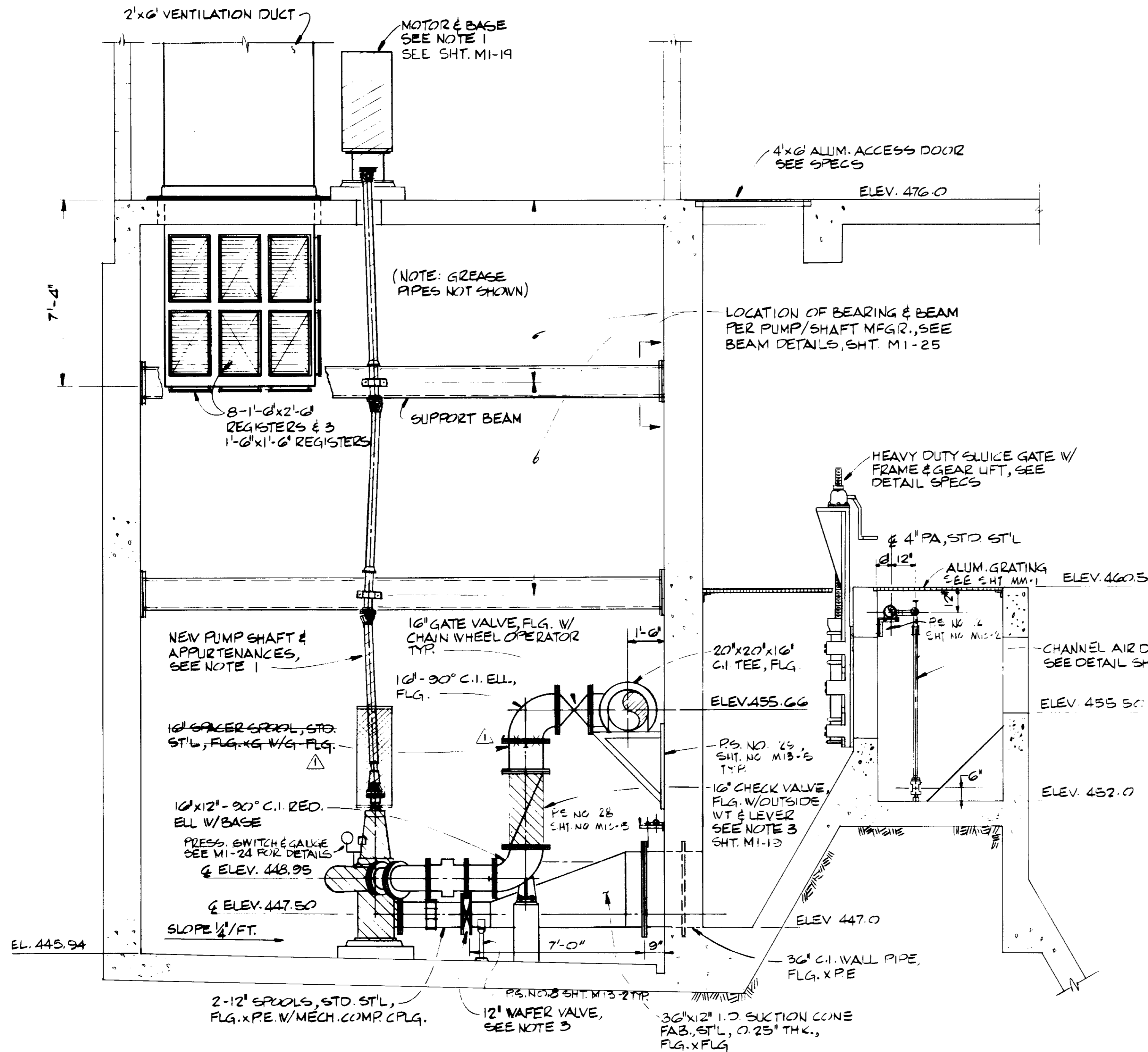
REV	DATE	BY	DESCRIPTION
2-28-88	C.L.	REV PER MZA & JCE	

SCALE :	C.S. / Y.K.	SUBMITTED	14038	8-15-79
3/8" = 1'-0"	J. LANG	DESIGNED	R.C.E. NO.	DATE
	Y. KATSURA	DRAWN	14884	8-15-79
	CHECKED	PROJECT ADMINISTRATOR	R.C.E. NO.	DATE

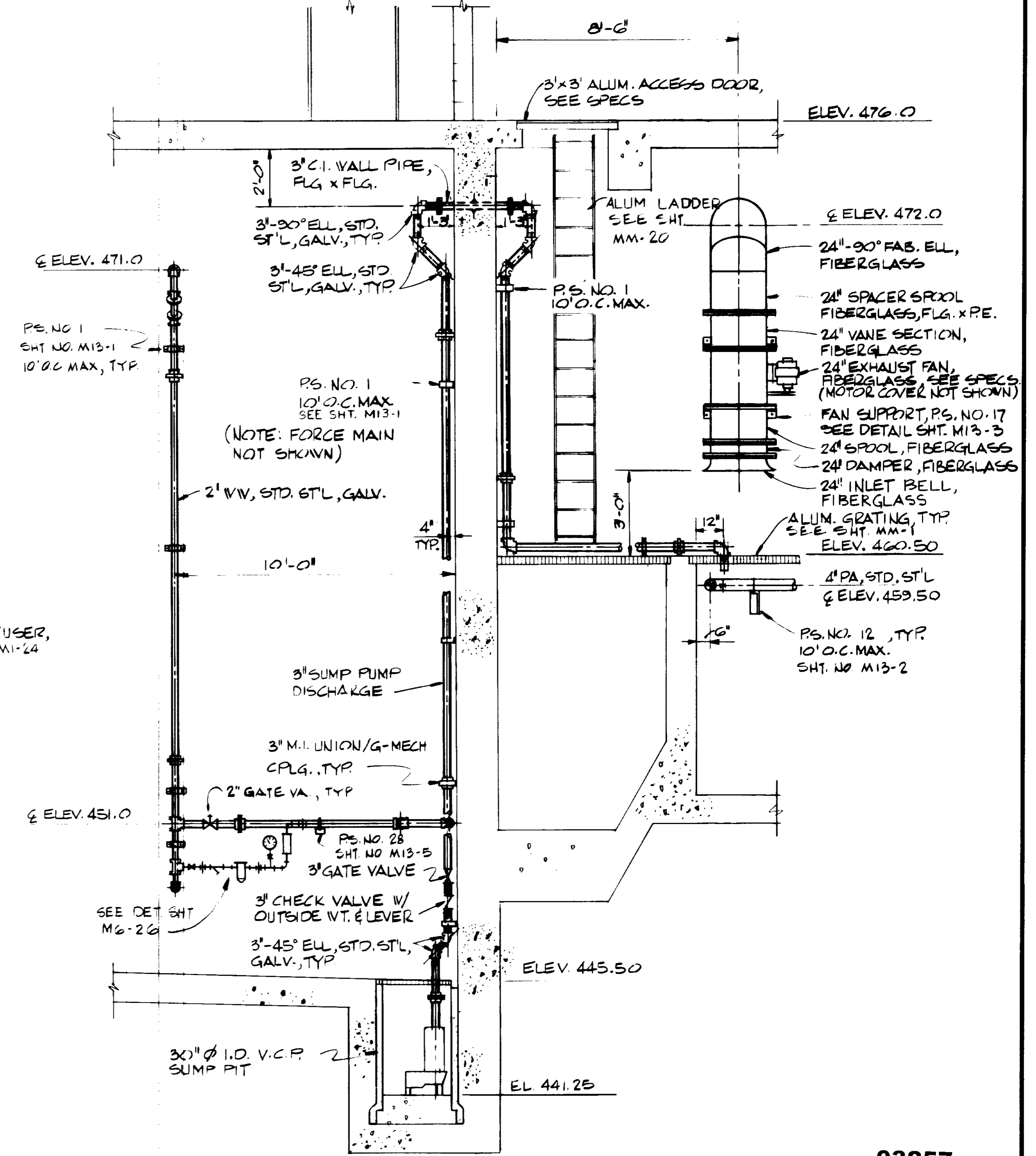
JKA CONSULTING ENGINEERS
JOINT VENTURE
6601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 833-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
INFLUENT PUMP ROOM — ELEVATION SECTION

SHEET
MI-21



SECTION **C**



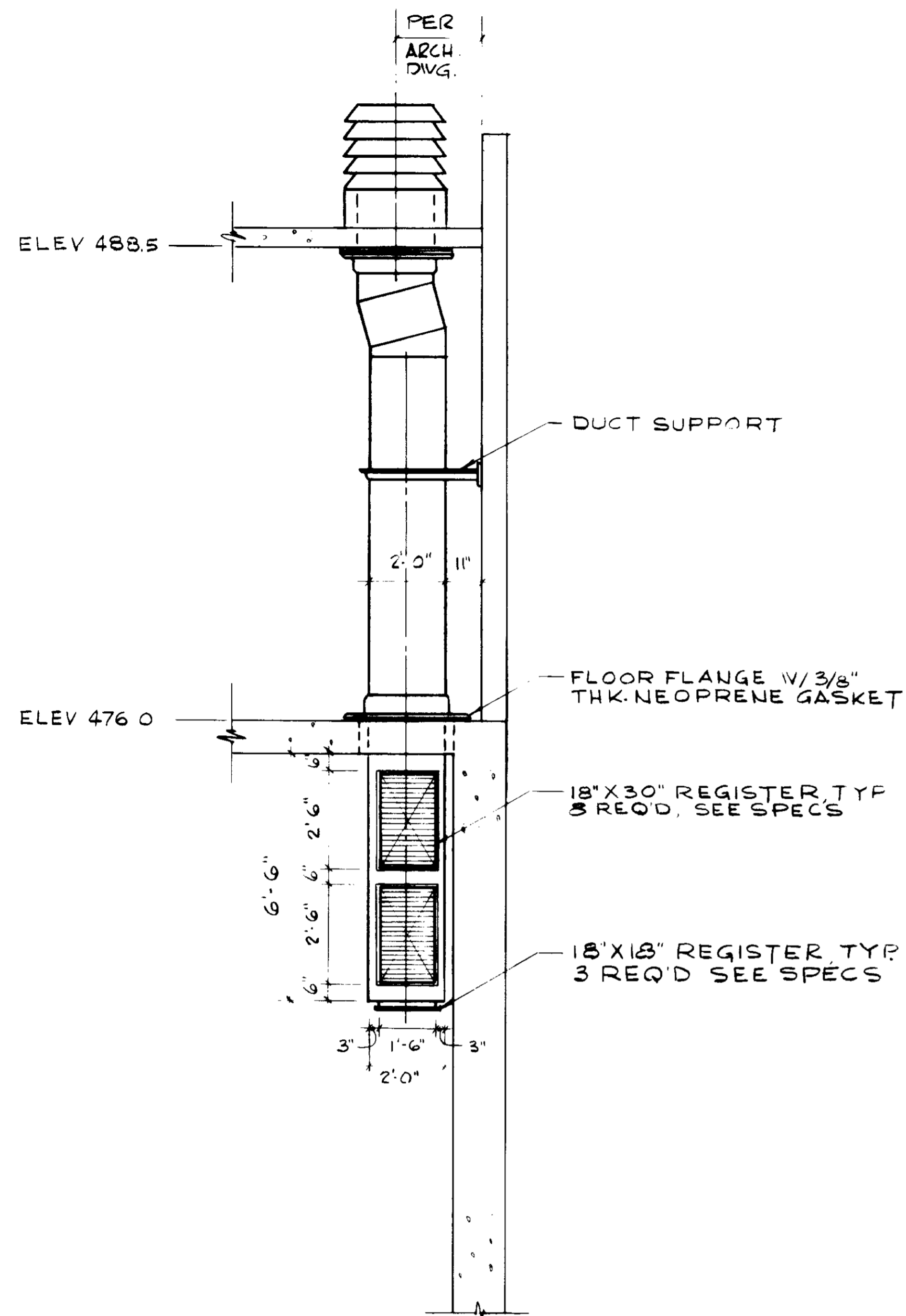
SECTION **D**

03257

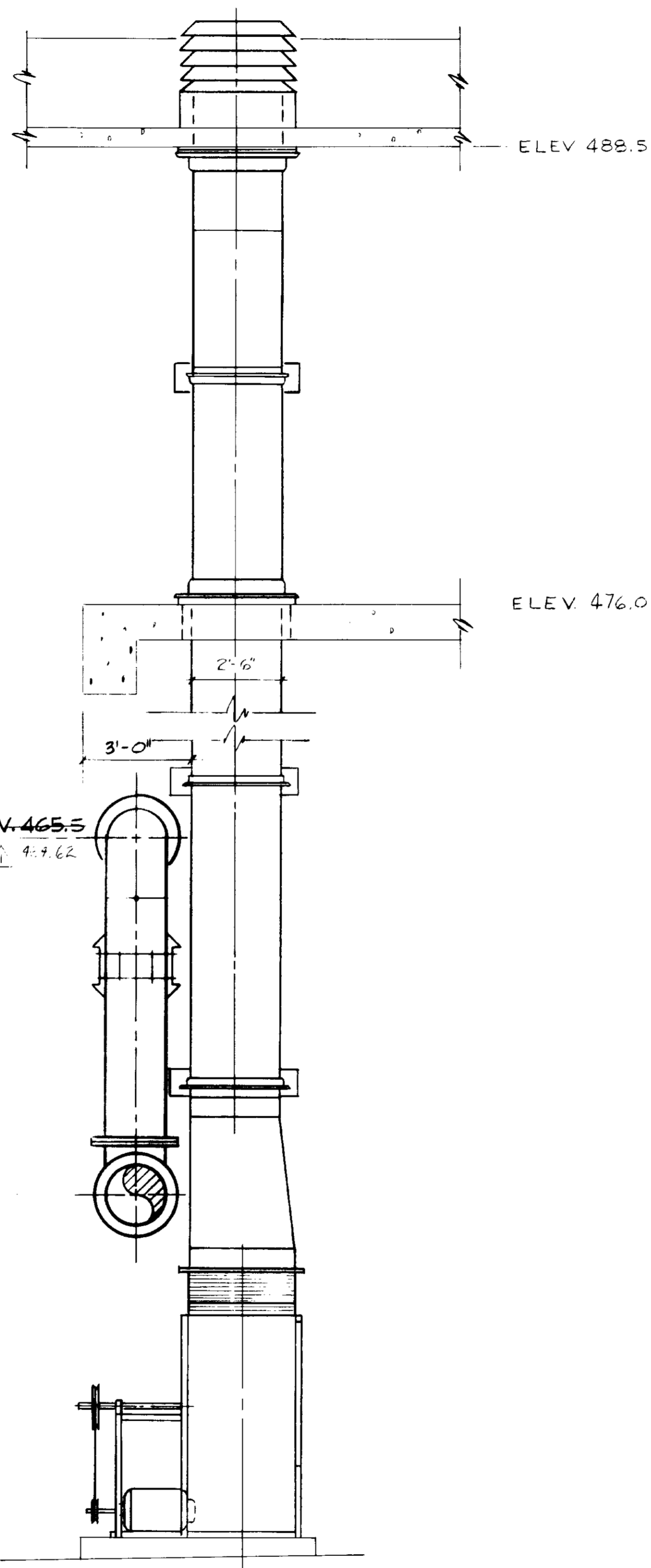
RECORD DRAWINGS
 Per Field Information Provided by Morley-Ziebarth & Alper
Y. Katsura
 RCE 14098
 KATSURA CONSULTING ENGINEERS
 March 1985

SCALE : 3/8" = 1'-0"		C.S. / YK DESIGNED C. SENIVONGS DRAWN Y. KATSURA CHECKED	SUBMITTED <i>Y. Katsura</i> PROJECT MANAGER 14038 8-15-79 R.C.E. NO. DATE 14884 8-15-79 R.C.E. NO. DATE PROJECT ADMINISTRATOR	 CONSULTING ENGINEERS JOINT VENTURE 8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 953-9117	LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. INFLUENT PUMP — SECTIONS	SHEET MI-22	
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION
				7-24	C.L.	REV. PER MZA & JCE	

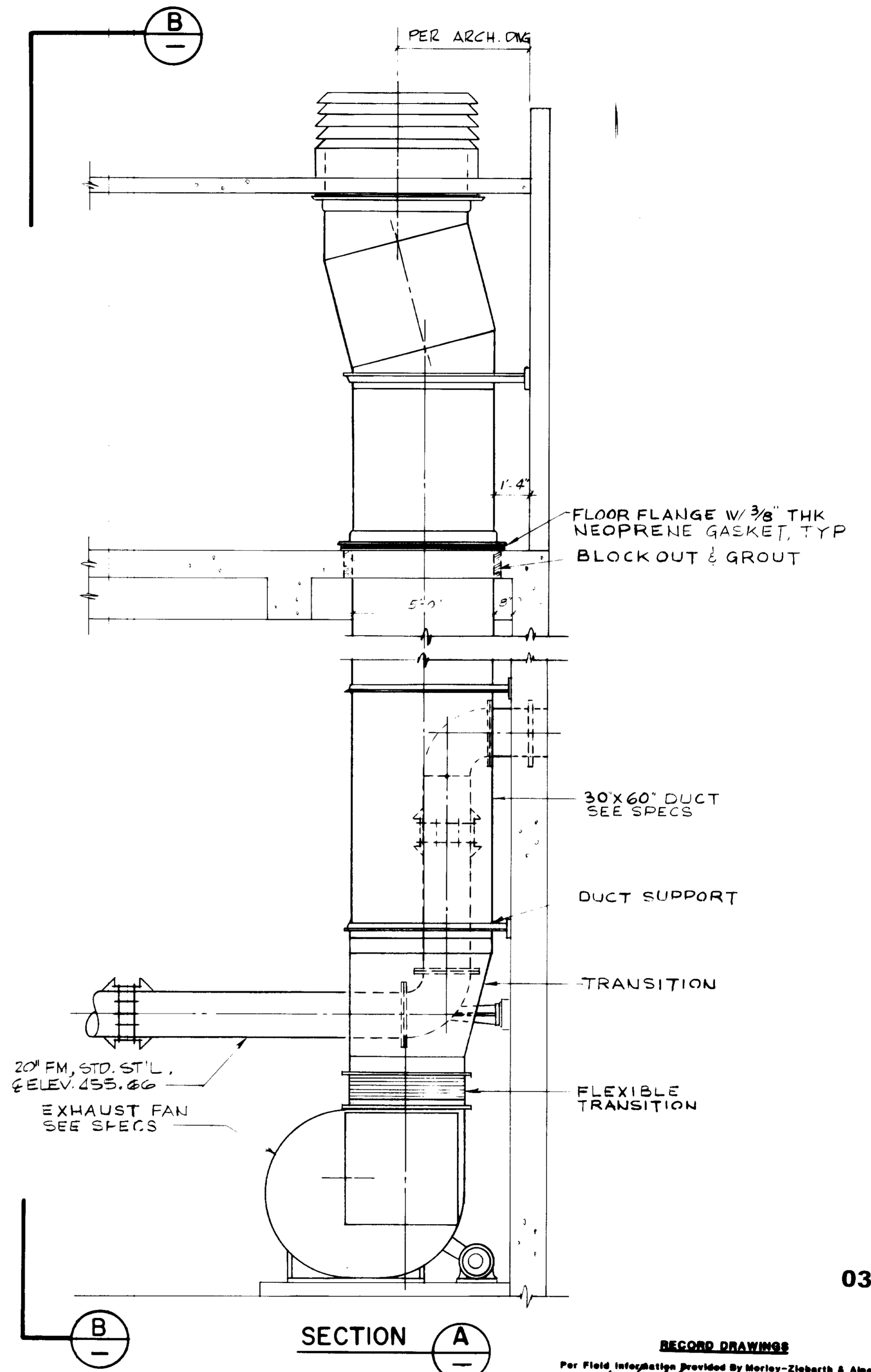
YKCE



SECTION C



SECTION B



SECTION A

03258

RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alper
[Signature] RCE 14038
 KATSURA CONSULTING ENGINEERS March 1985

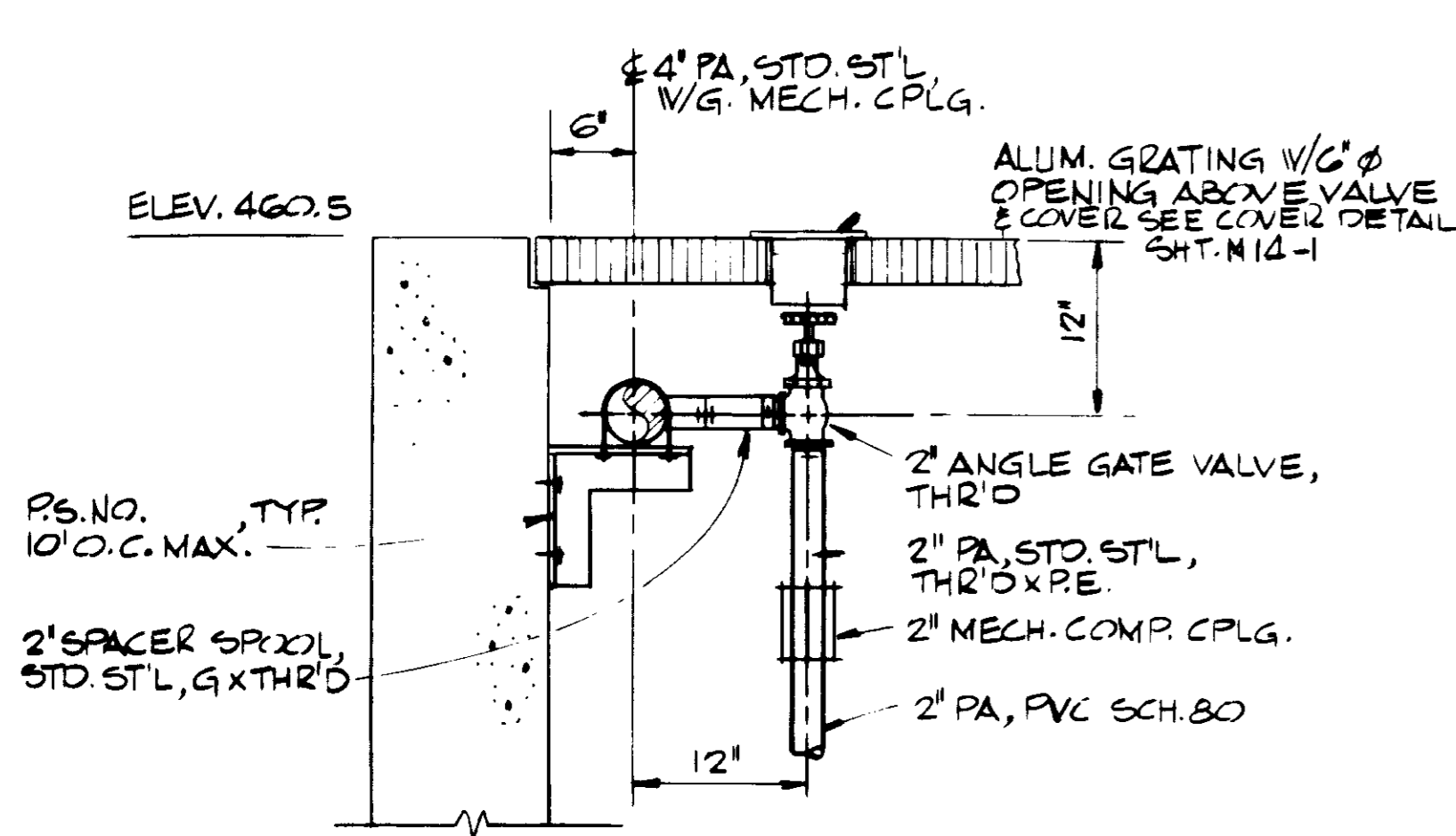
REV	DATE	BY	DESCRIPTION

SCALE : 3/8"=1'-0"	DESIGNED C. SENIVONGS	CHECKED Y. KATSURA	DATE 8-15-79
	PROJECT MANAGER <i>[Signature]</i>	PROJECT ADMINISTRATOR <i>[Signature]</i>	DATE 8-15-79

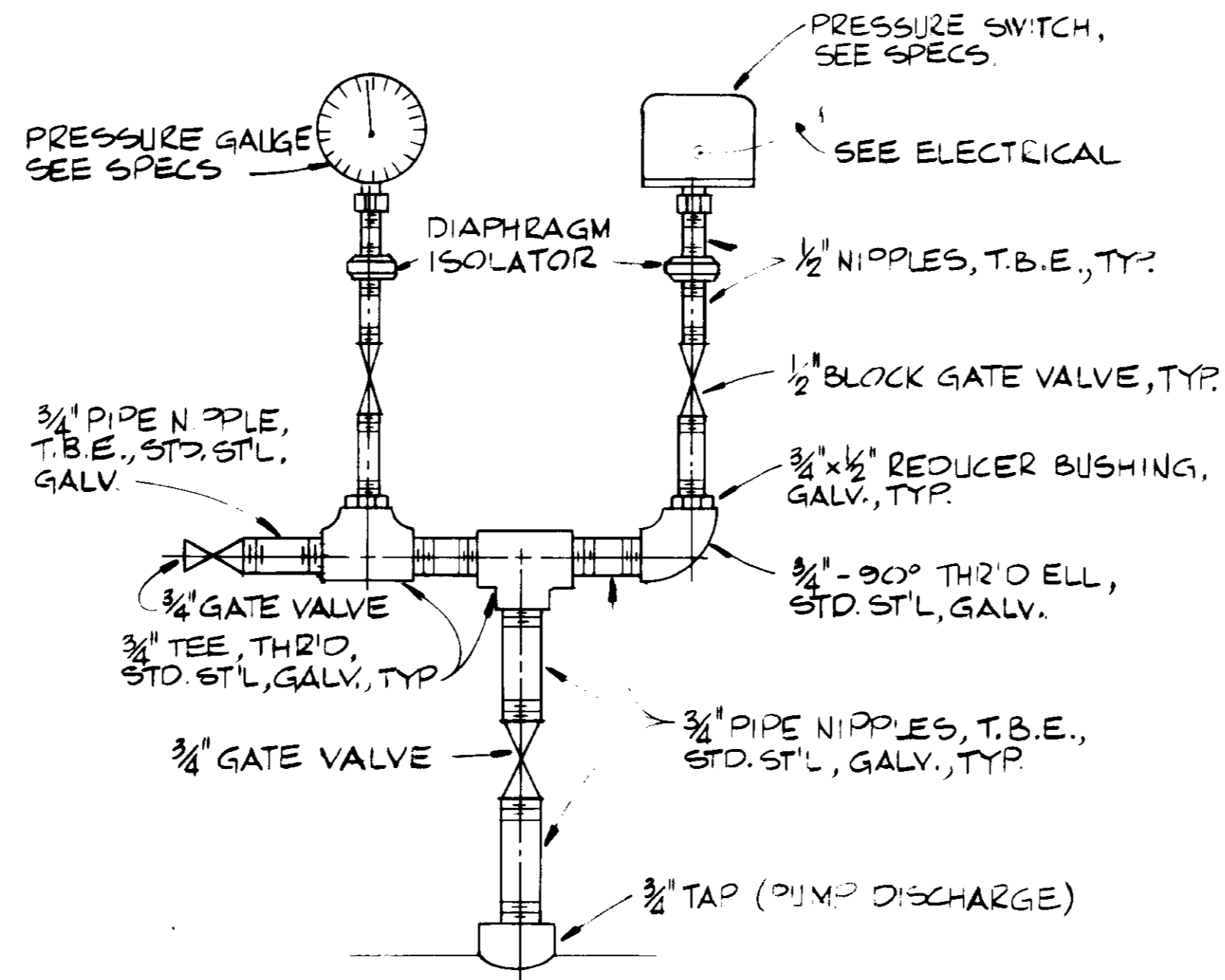
JKE CONSULTING ENGINEERS
 A JOINT VENTURE
 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 INFLUENT PUMP ROOM VENTILATION— ELEVATION SECTIONS

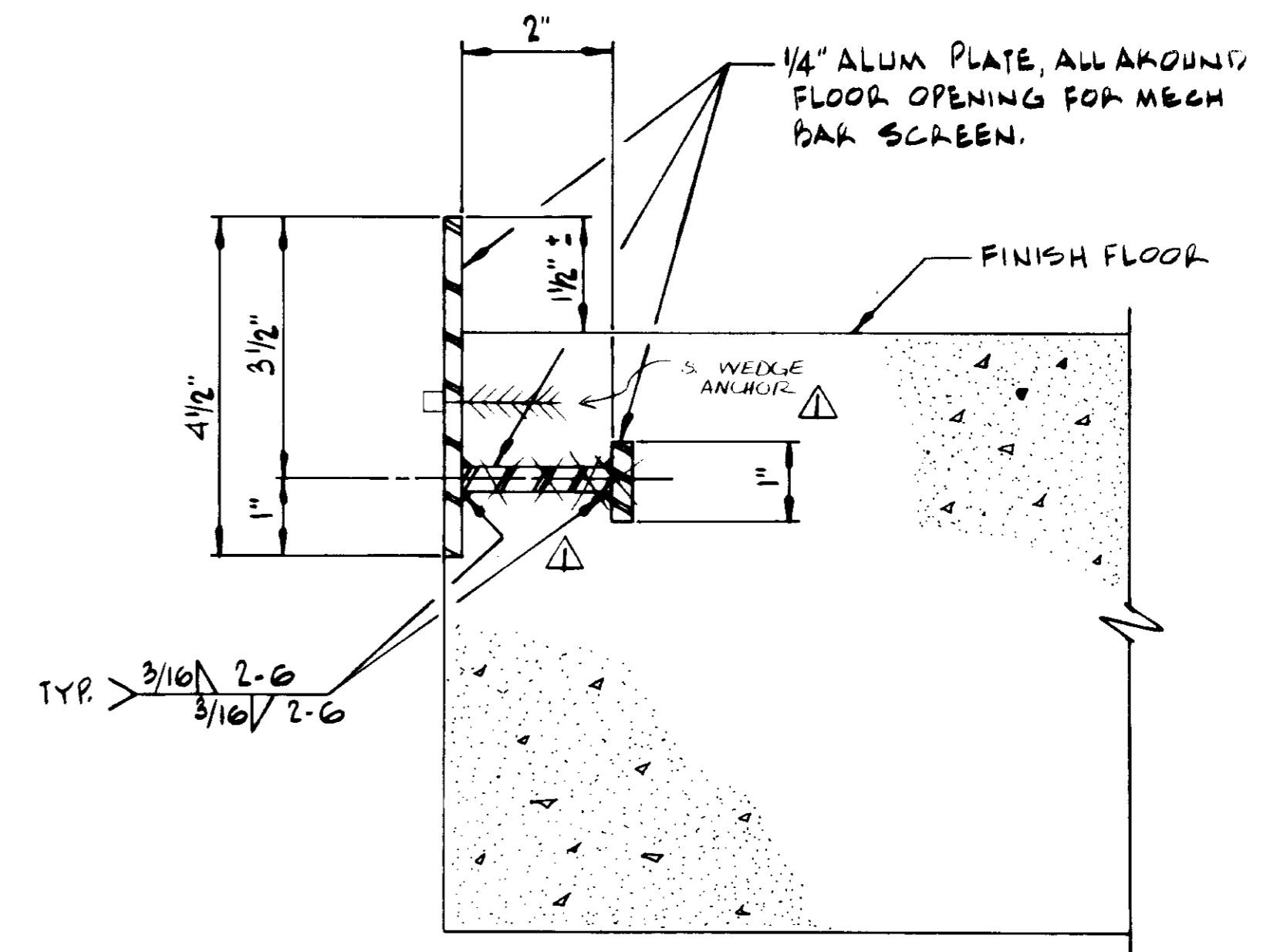
SHEET
MI-23



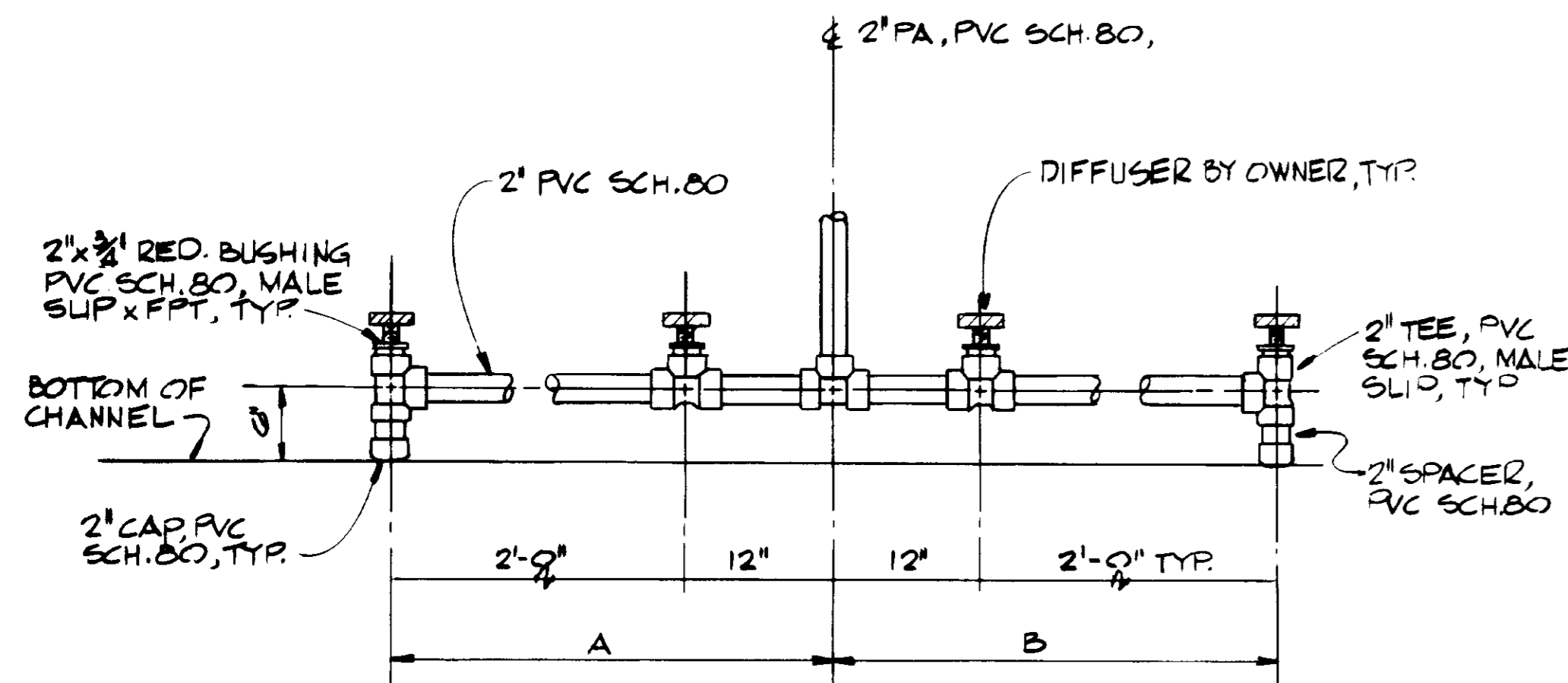
CHANNEL AIR DETAIL



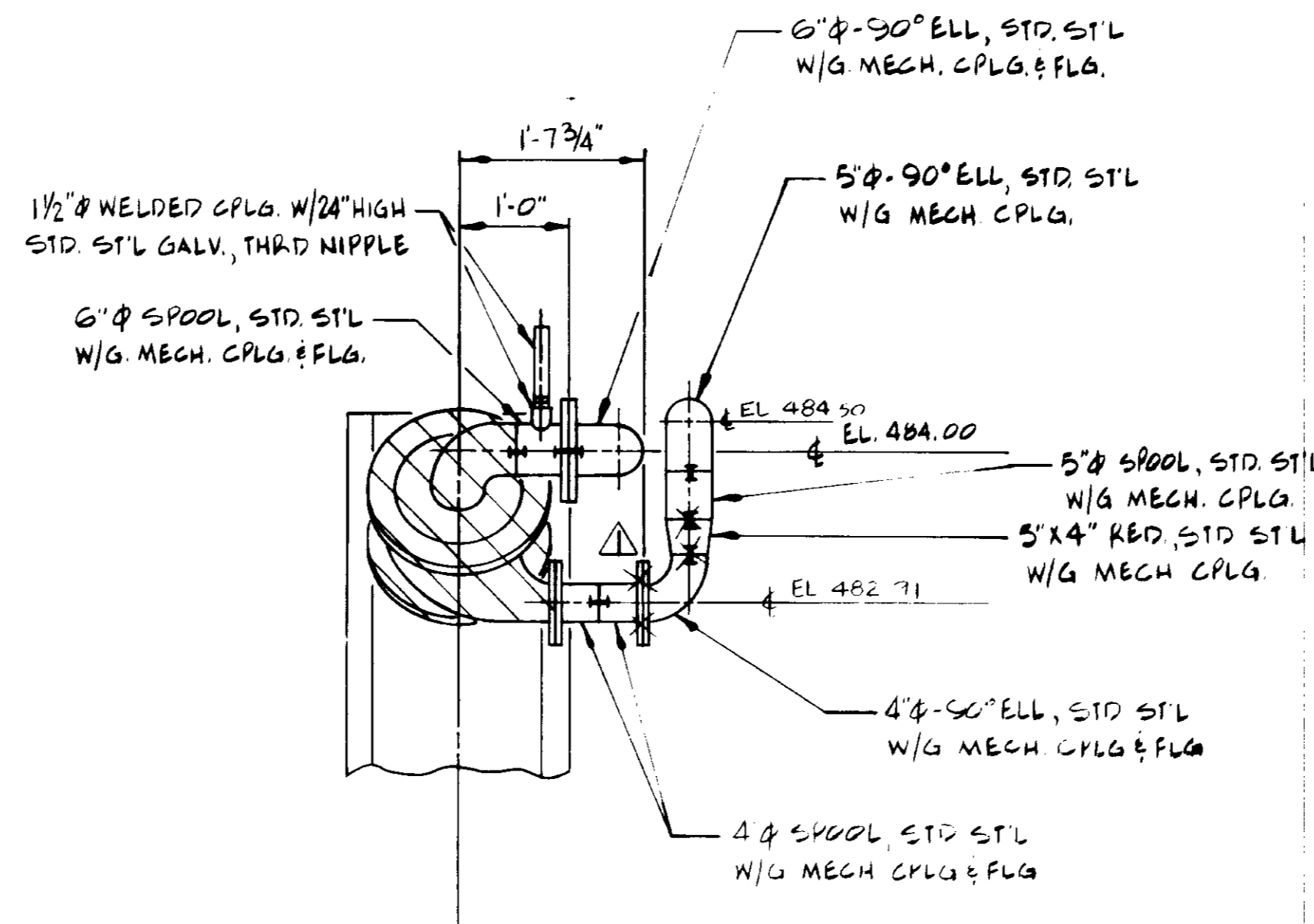
PRESSURE SWITCH & GAUGE



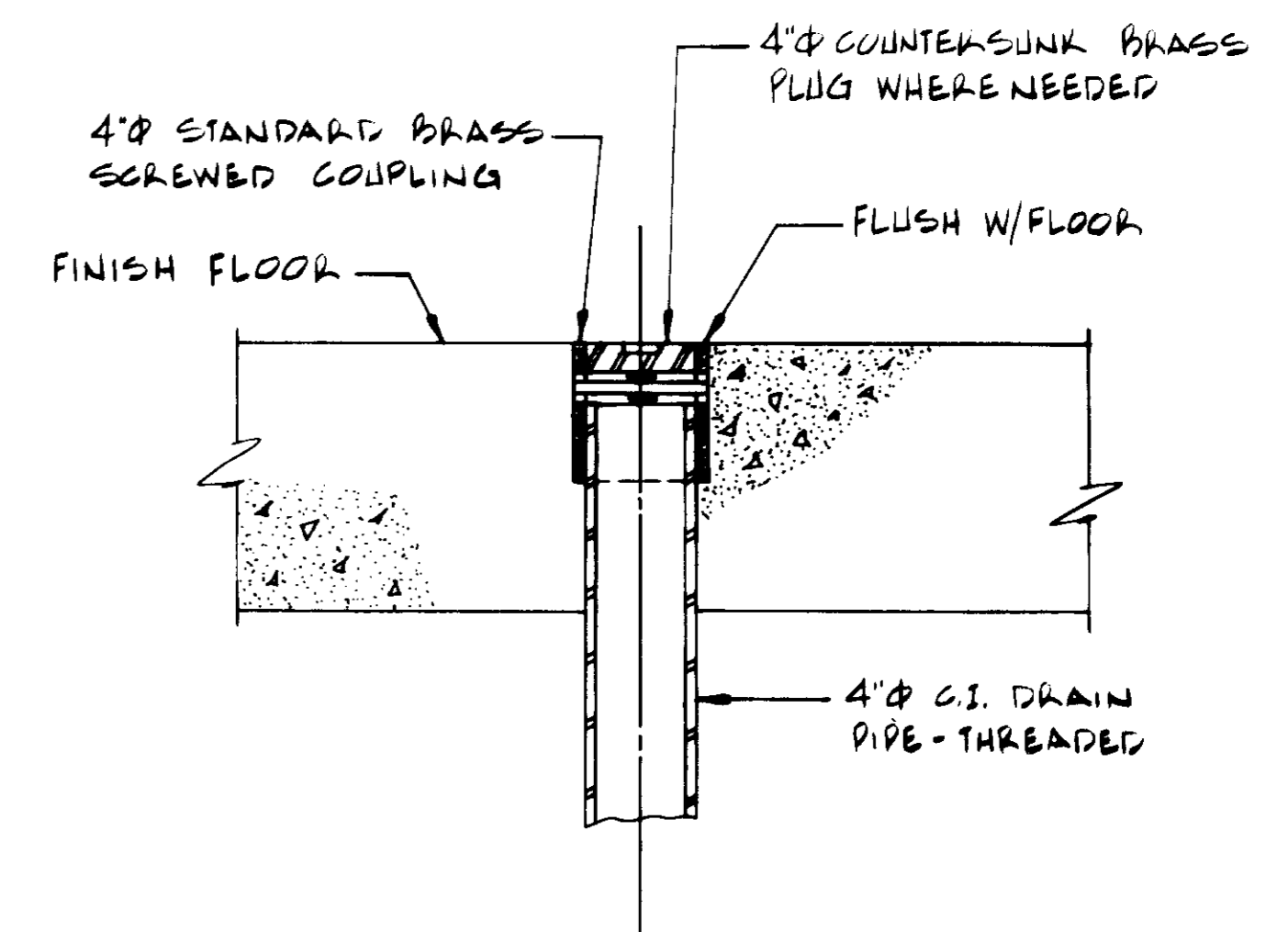
DETAIL 2



AIR DIFFUSER DETAIL



DETAIL 1



DETAIL 3

03259

CHANNEL AIR DIFFUSER DATA				
TYPE	NO. REQ'D	NO. DIFF	A	B
I	9	4	3'-0"	9'-0"
II	1	3	1'-0"	3'-0"
III	1	6	3'-0"	7'-0"
IV	1	3	1'-0"	3'-0"

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

[Signature] RCE 14088

KATSURA CONSULTING ENGINEERS March 1986

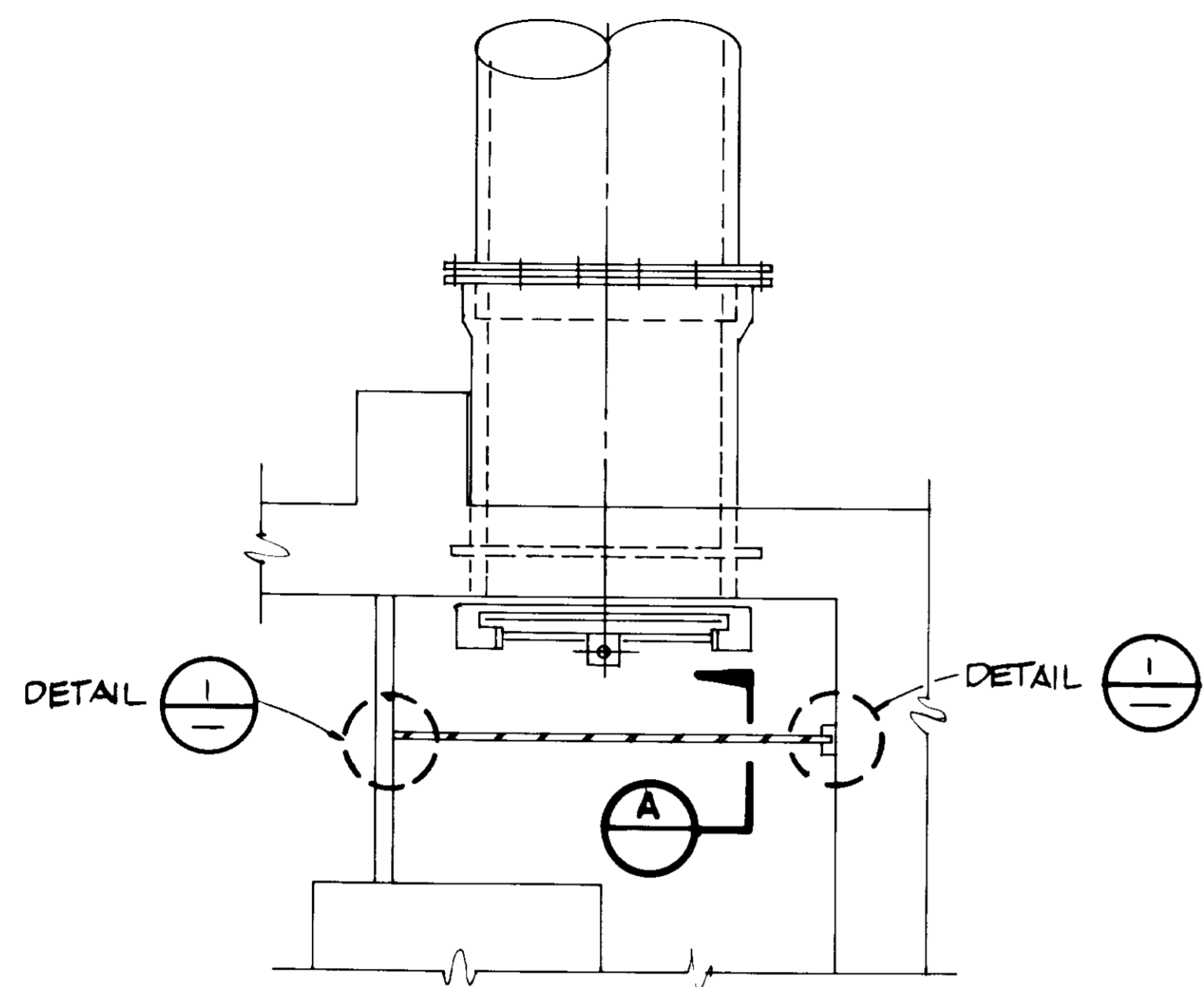
REV	DATE	BY	DESCRIPTION
7-2-84	CL	REV. PER MZA & ICE	

SCALE : NONE	C.S./A.R./Y.K. DESIGNED C.S. NO.	SUBMITTED <i>[Signature]</i> PROJECT MANAGER 14038 8-15-79 R.C.E. NO. DATE
	DRAWN Y. KATSURA	14894 8-15-79 R.C.E. NO. DATE
	CHECKED	PROJECT ADMINISTRATOR

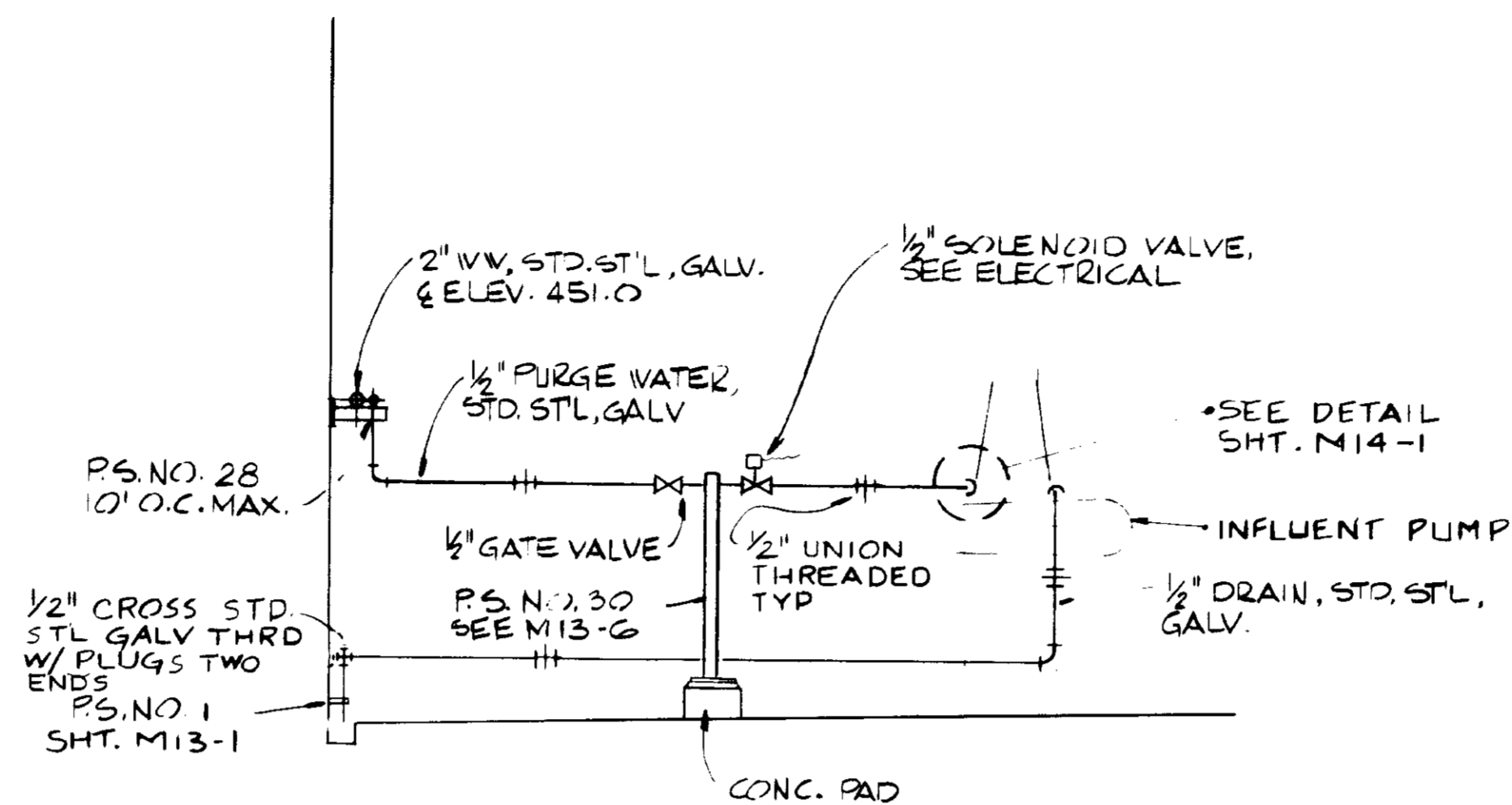
J&K CONSULTING ENGINEERS
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(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
HEADWORKS-DETAILS

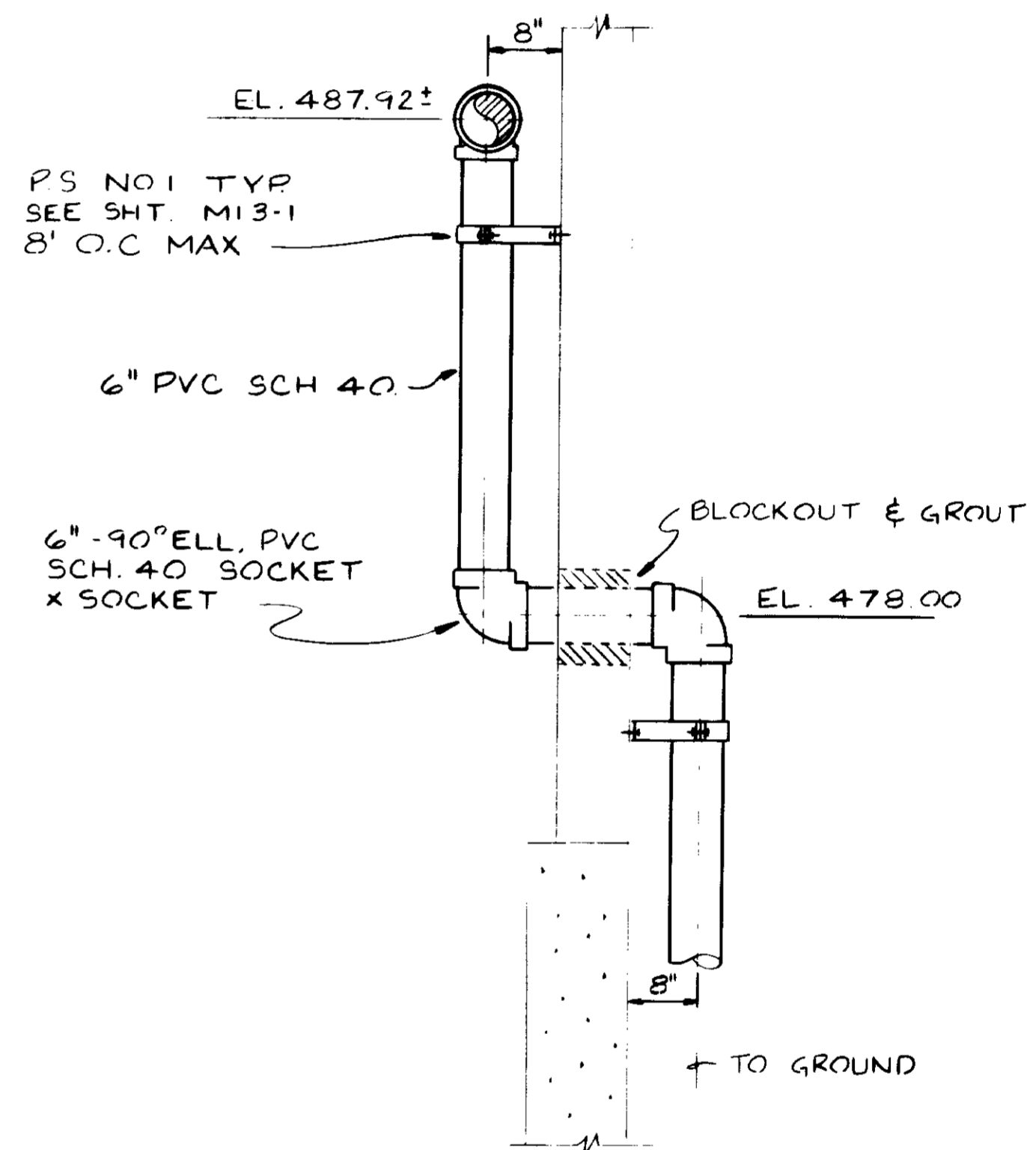
SHEET
MI-24



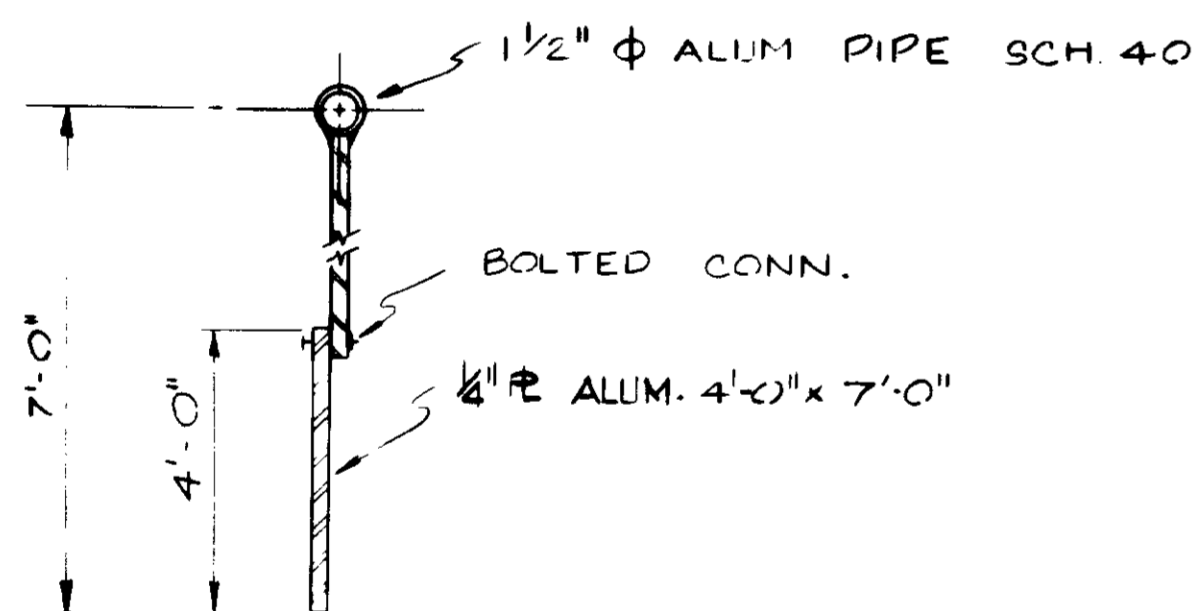
PLAN
SCALE: 3/8" = 1'-0"



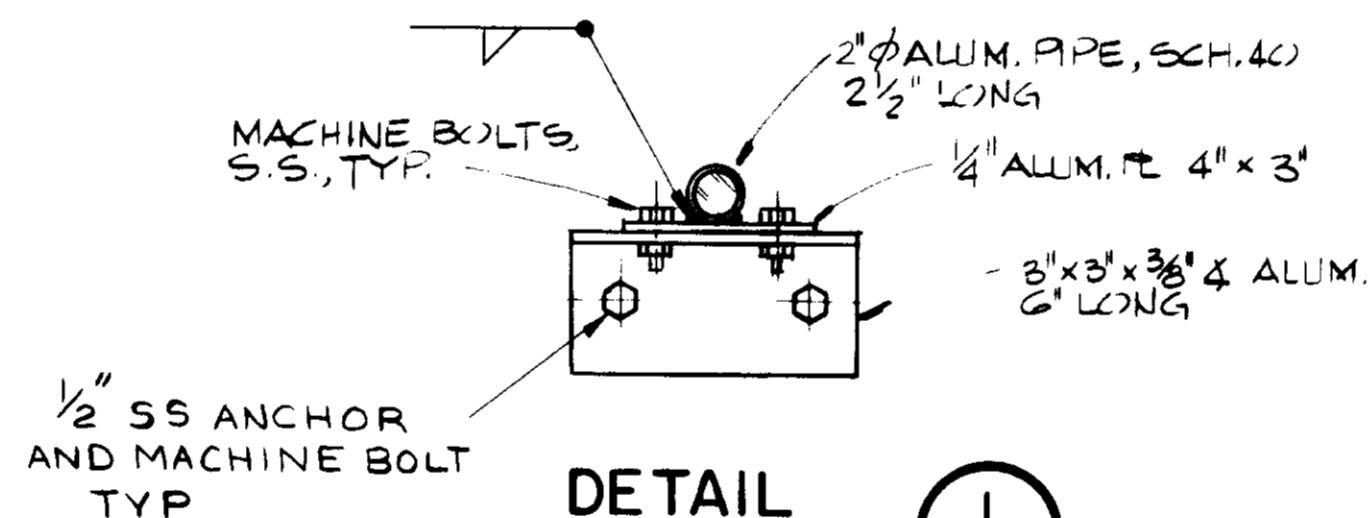
PURGE WATER & DRAIN DETAIL
NOT TO SCALE



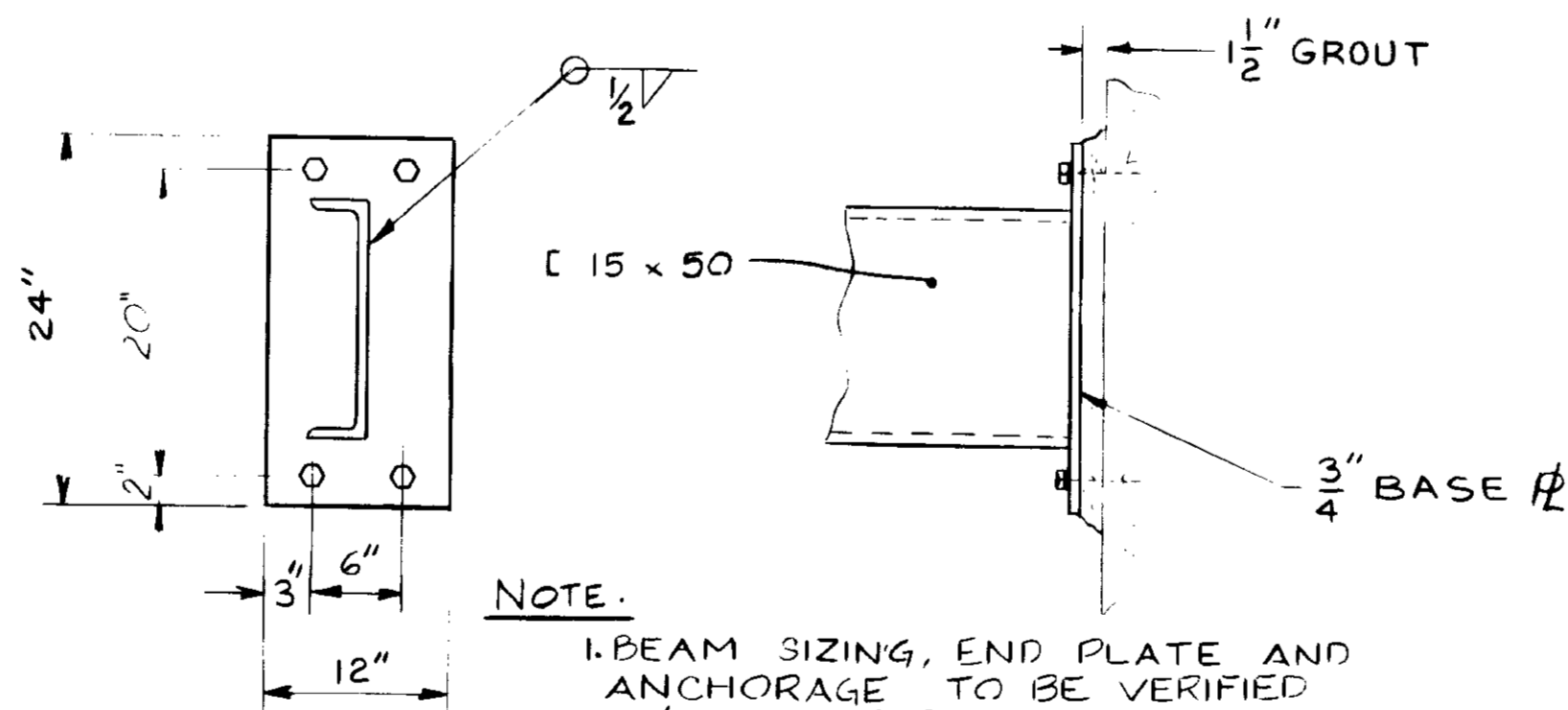
DETAIL A
NOT TO SCALE



SECTION A
NOT TO SCALE



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



NOTE:
I-BEAM SIZING, END PLATE AND ANCHORAGE TO BE VERIFIED W/PUMP MFGR.

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

03260

RECORD DRAWINGS
Per Field Information Provided By Merley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS RCE 14088
March 1986

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

SCALE:
AS NOTED

DESIGNED: C.S. / Y.K.
C. SENIVONGS
DRAWN: Y. KATSURA
CHECKED: [Signature]

SUBMITTED: *[Signature]* 14038 8-15-79
PROJECT MANAGER: R.C.E. NO. DATE
PROJECT ADMINISTRATOR: *[Signature]* 14884 9-15-79
R.C.E. NO. DATE

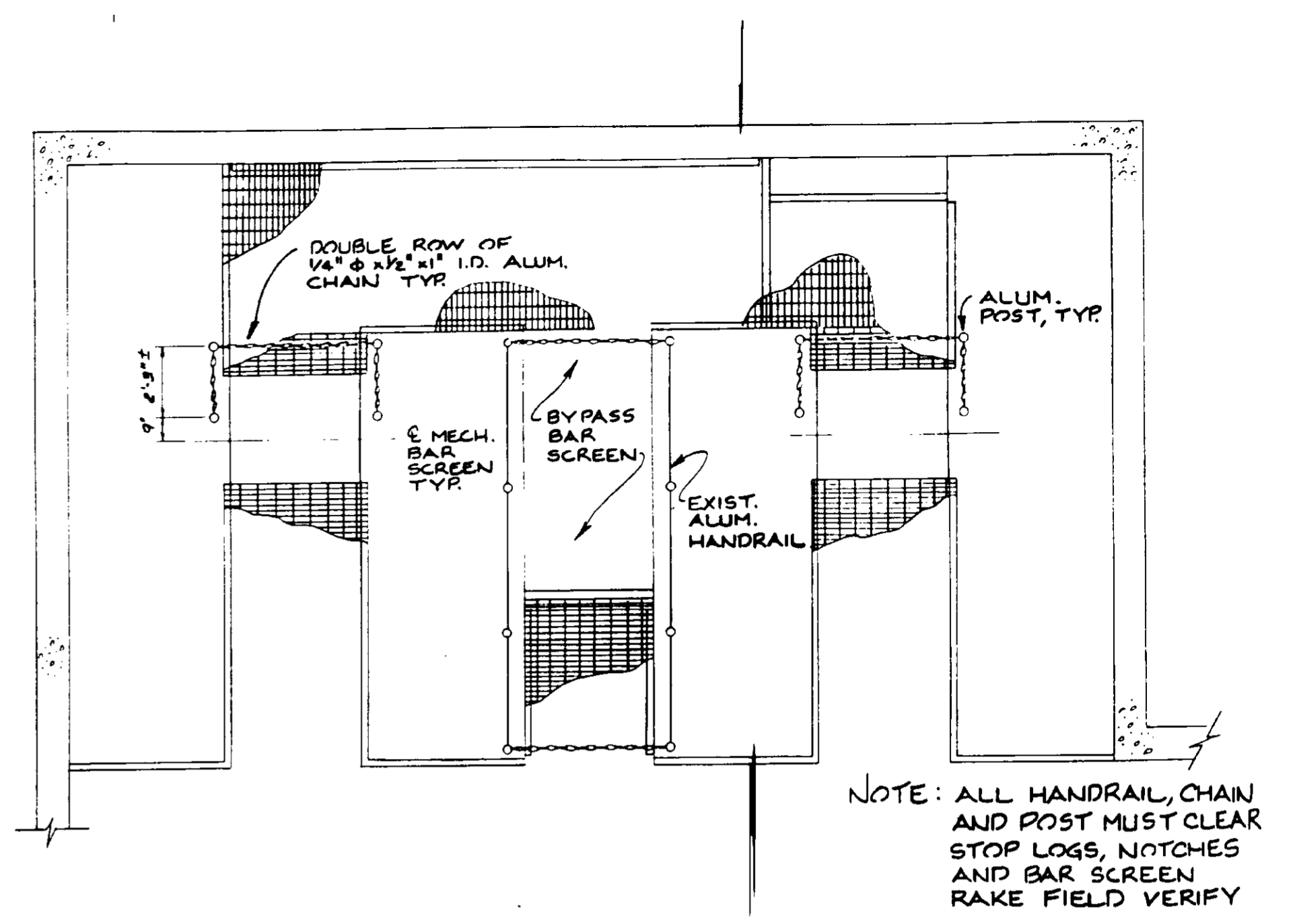
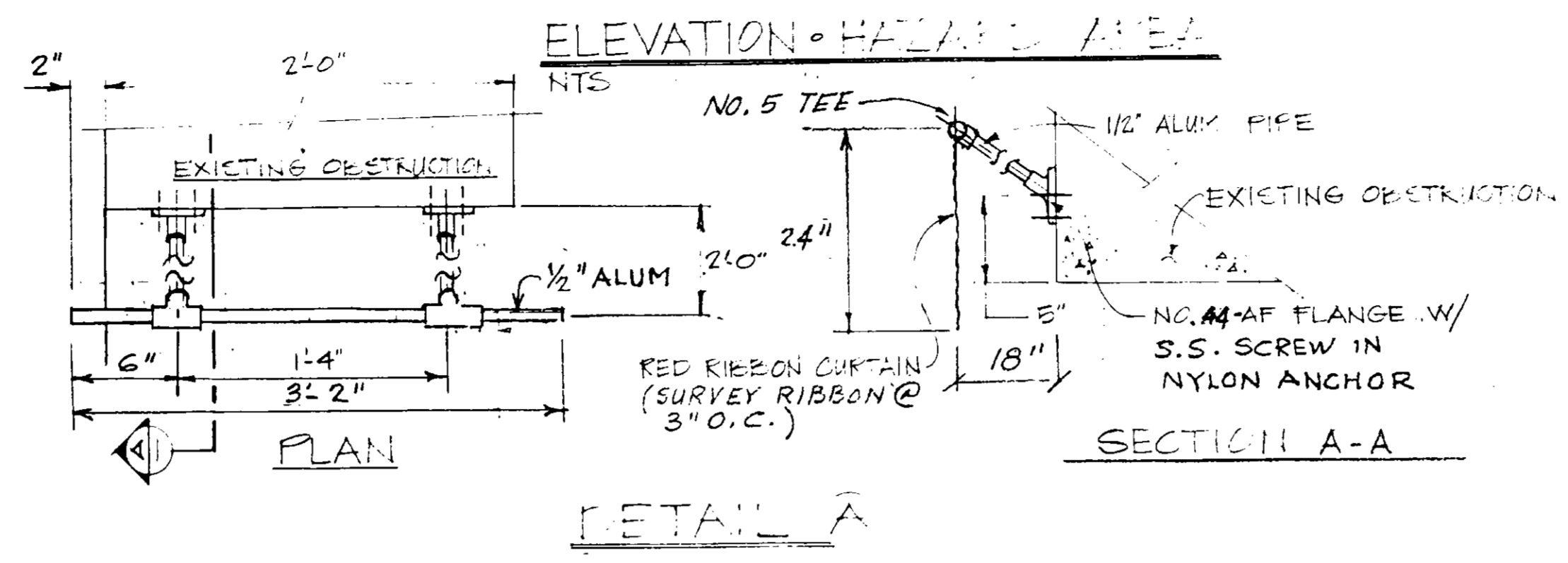
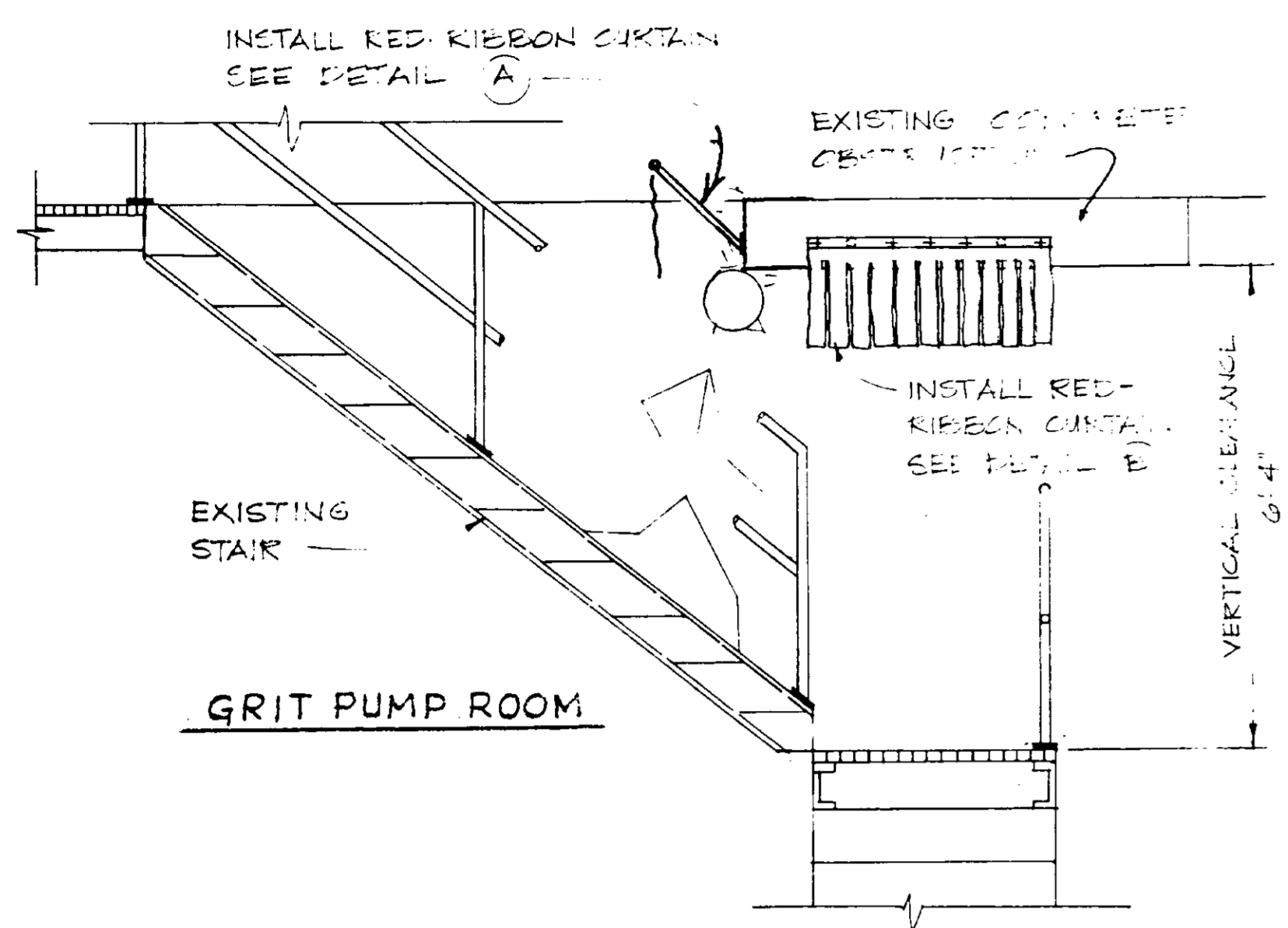
JKK CONSULTING ENGINEERS
A JOINT VENTURE
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(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.

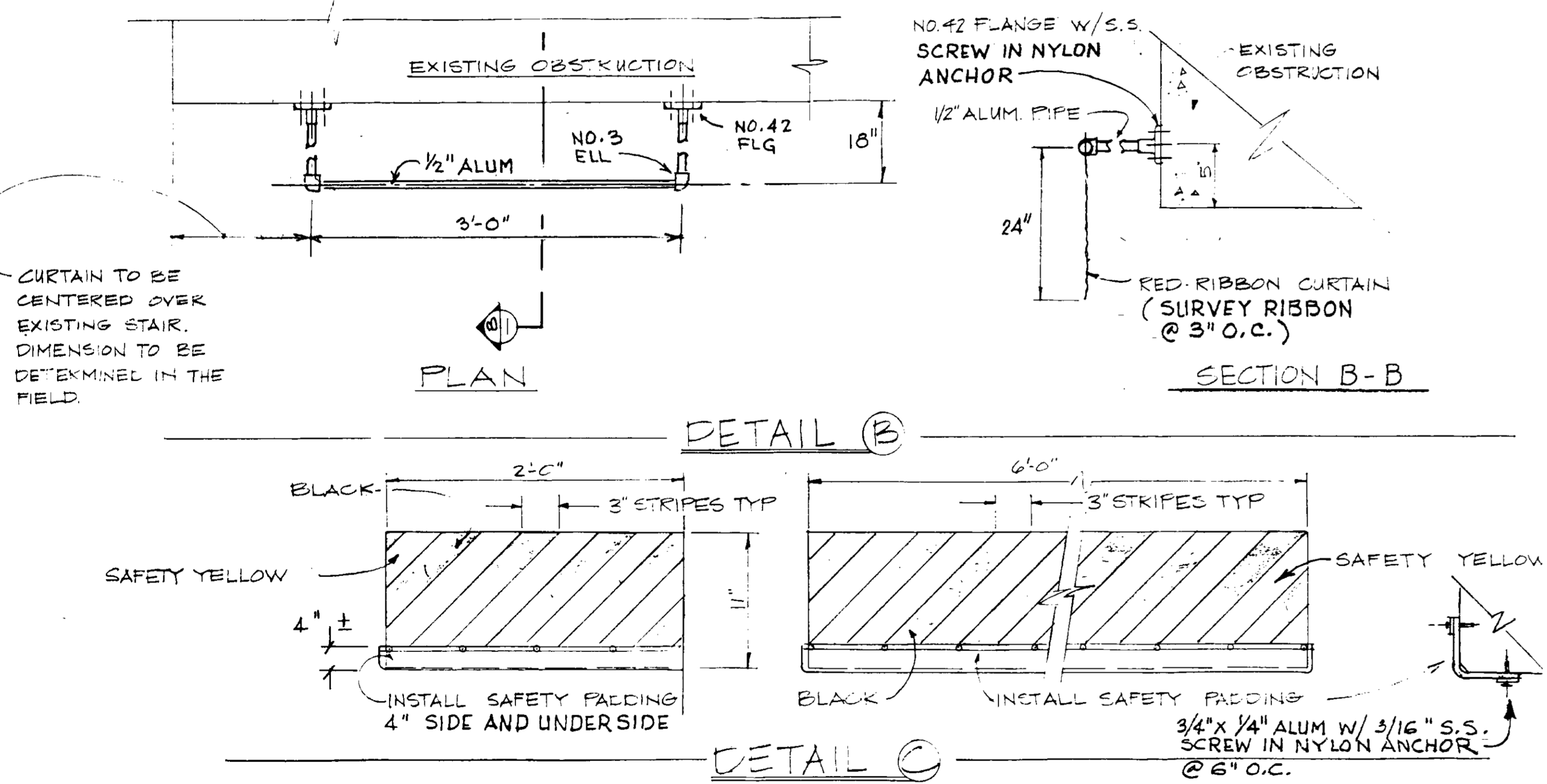
HEADWORKS DETAILS

SHEET
MI-25

NOTE: SURFACES OF OBSTRUCTION WHERE RED-RIBBON CURTAINS ARE TO BE INSTALLED SHALL ALSO BE PAINTED AND PADDED AS PER DETAIL C.

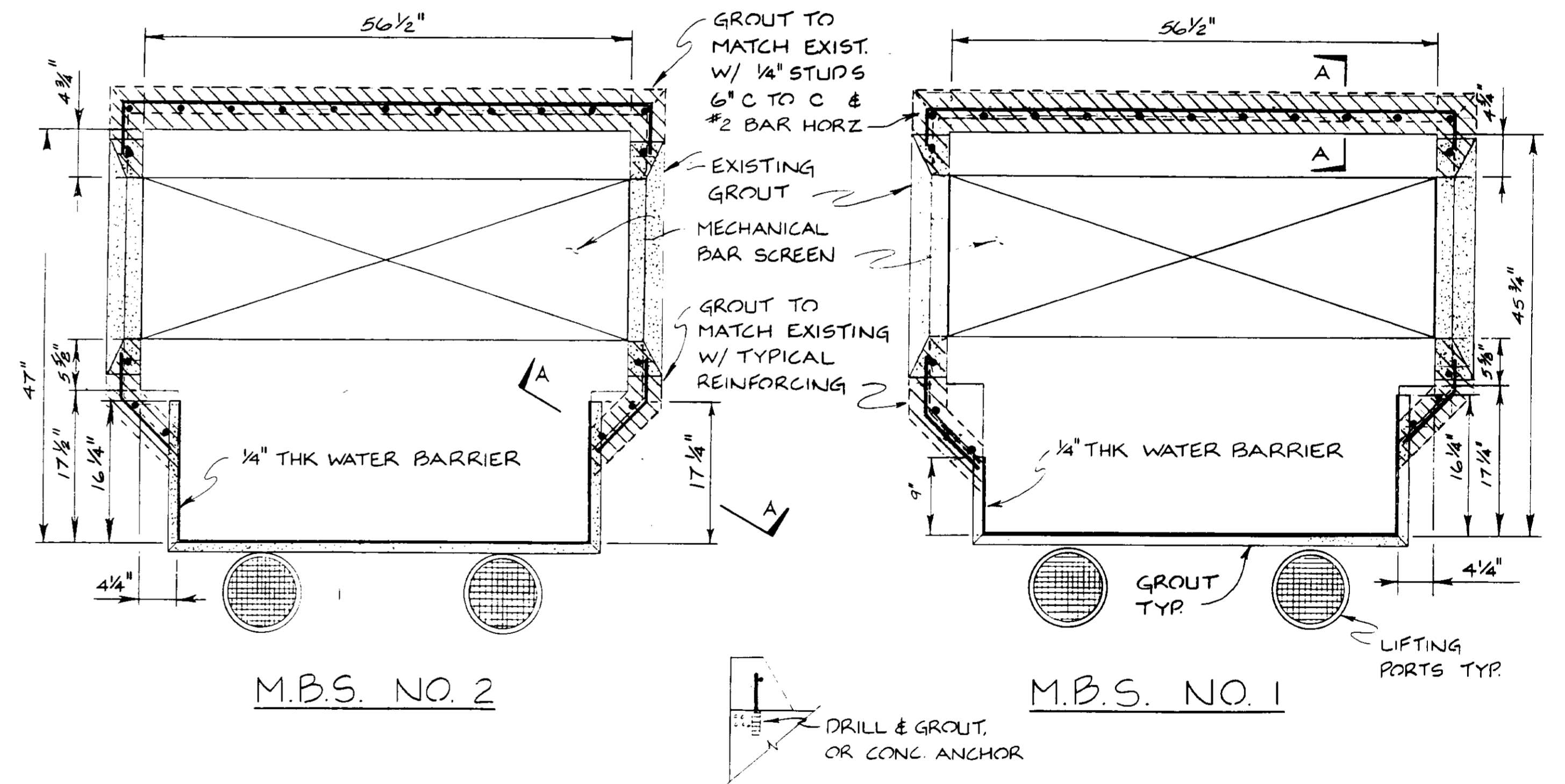


PLAN CHANGE FOR HANDRAIL IN MBS AREA
 REFERENCE DRAWING: SKM1-6
 EXTRA WORK: EW-65-56



- NOTES:
1. FLANGES SHALL BE "INSTANT STRUCTURE" SLIP-ON FITTINGS AS PER SHOP DRAWINGS COE-C10, OR EQUAL.
 2. SAFETY PADDING SHALL BE 1/2" PURE GUM RUBBER, DURO 35

SAFETY CURTAIN FOR GRIT PUMP ROOM ACCESS
 REFERENCE DRAWING: SKGF-1
 EXTRA WORK: EW-65-92

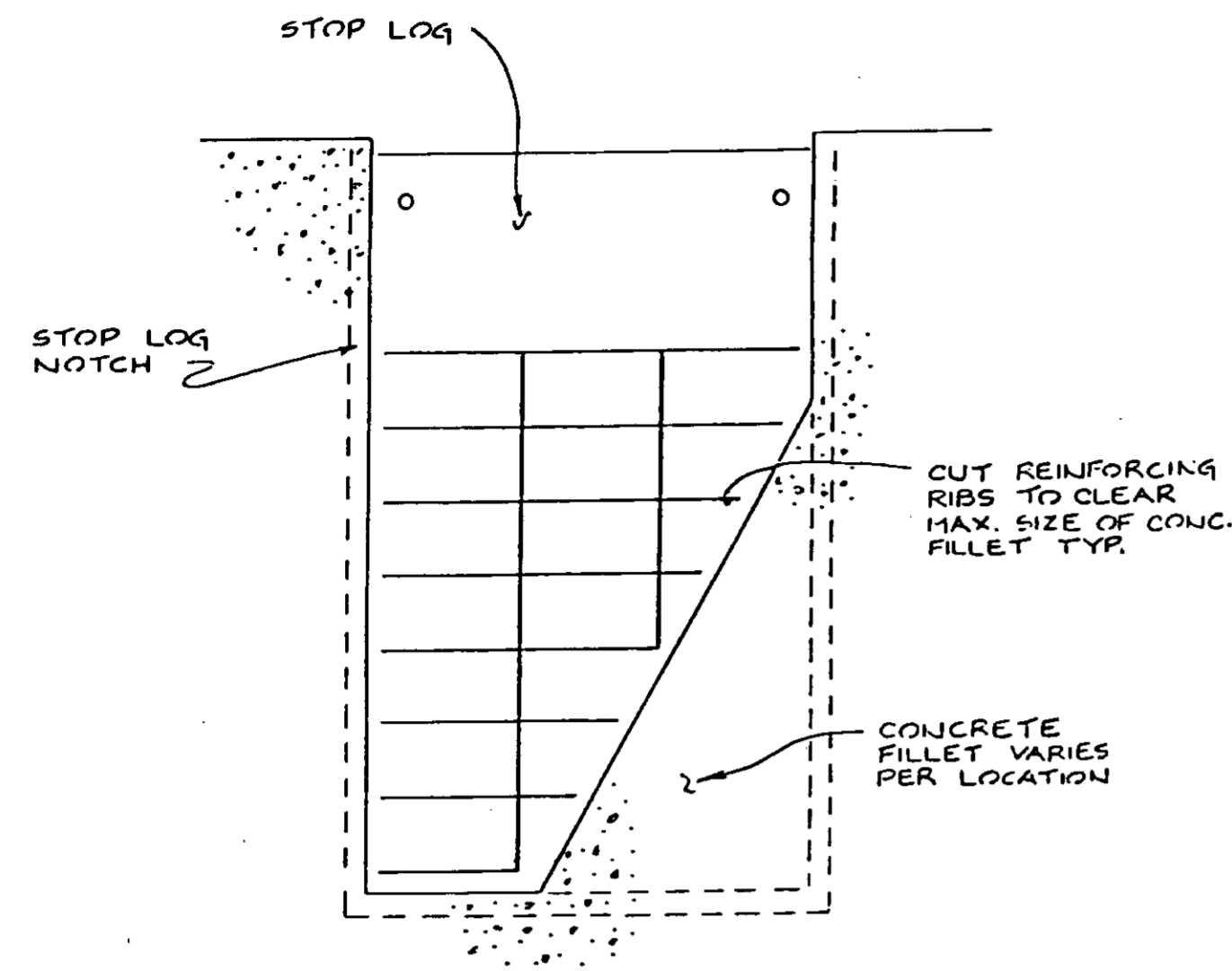


NOTE: DIMENSIONS SHOWN ARE FIELD MEASUREMENTS

SECTION A-A

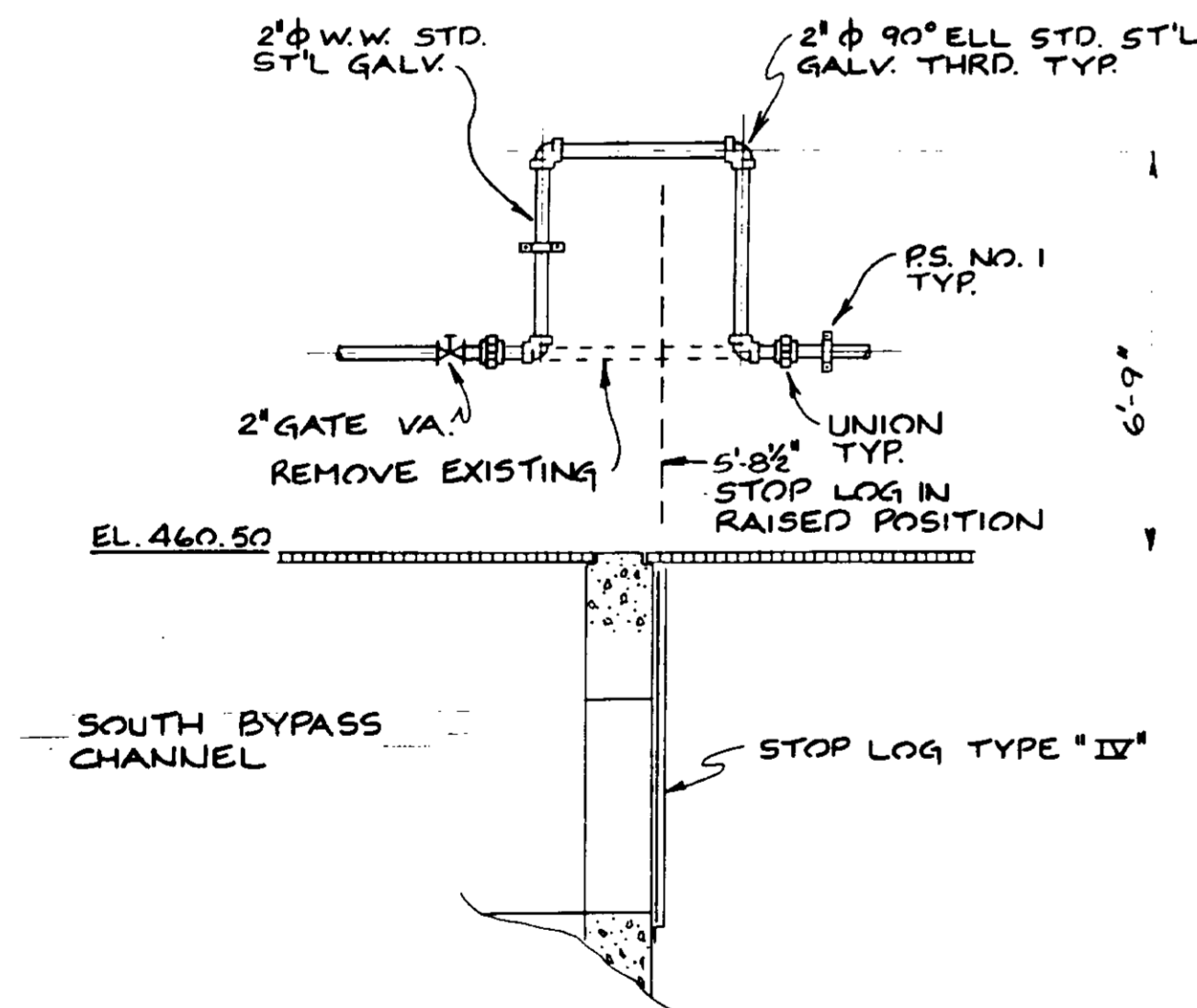
CORRECTION TO COMPLETE WATER BARRIER
 REFERENCE DRAWING: SKM1-24A

RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alper
 RCE 14038
 KATSURA CONSULTING ENGINEERS March 1986



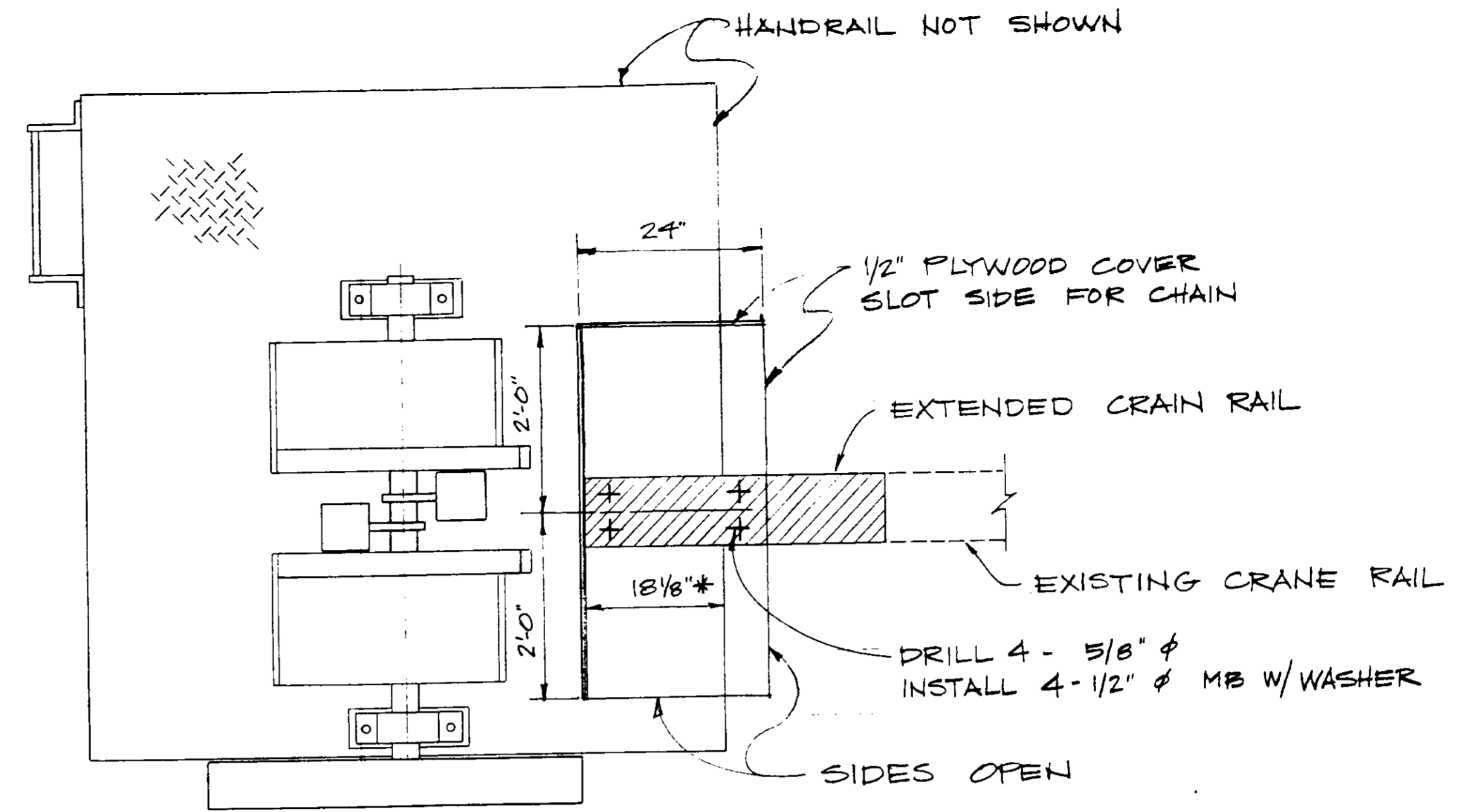
**STOP LOG MODIFICATION
PROPOSAL BY MZA**

REFERENCE DRAWING: SKRPL-JKS-61
PLAN CHANGE: PCH-C5-70



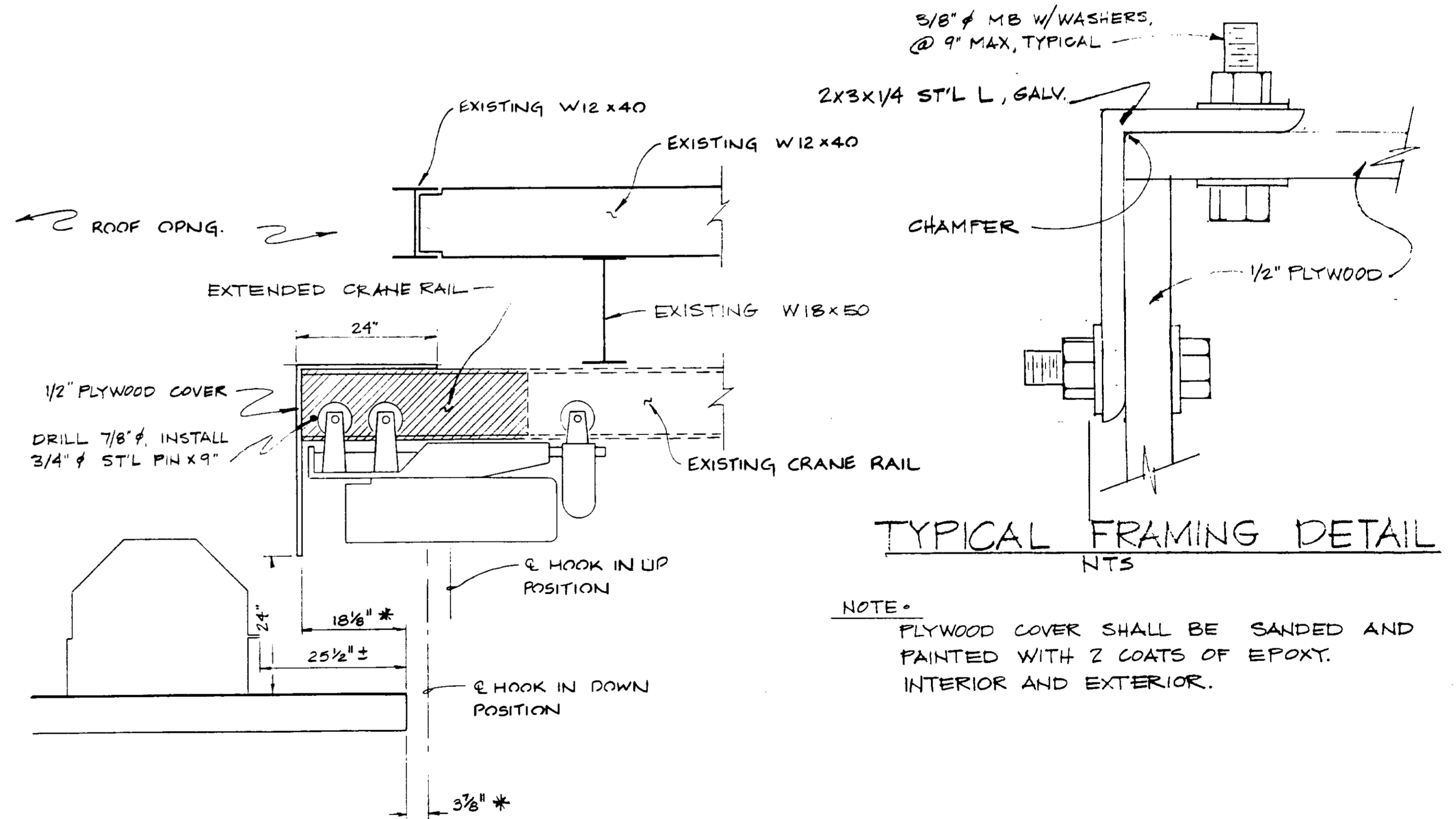
**PLAN CHANGE FOR WASH WATER
PIPING IN GRIT CHAMBER AREA**

REFERENCE DRAWING: SKMI-10
PLAN CHANGE: PCH-C5-71



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

* VERIFY



ELEVATION
SCALE: 3/4" = 1'-0"

TYPICAL FRAMING DETAIL
NTS

NOTE:
PLYWOOD COVER SHALL BE SANDED AND
PAINTED WITH 2 COATS OF EPOXY.
INTERIOR AND EXTERIOR.

03262

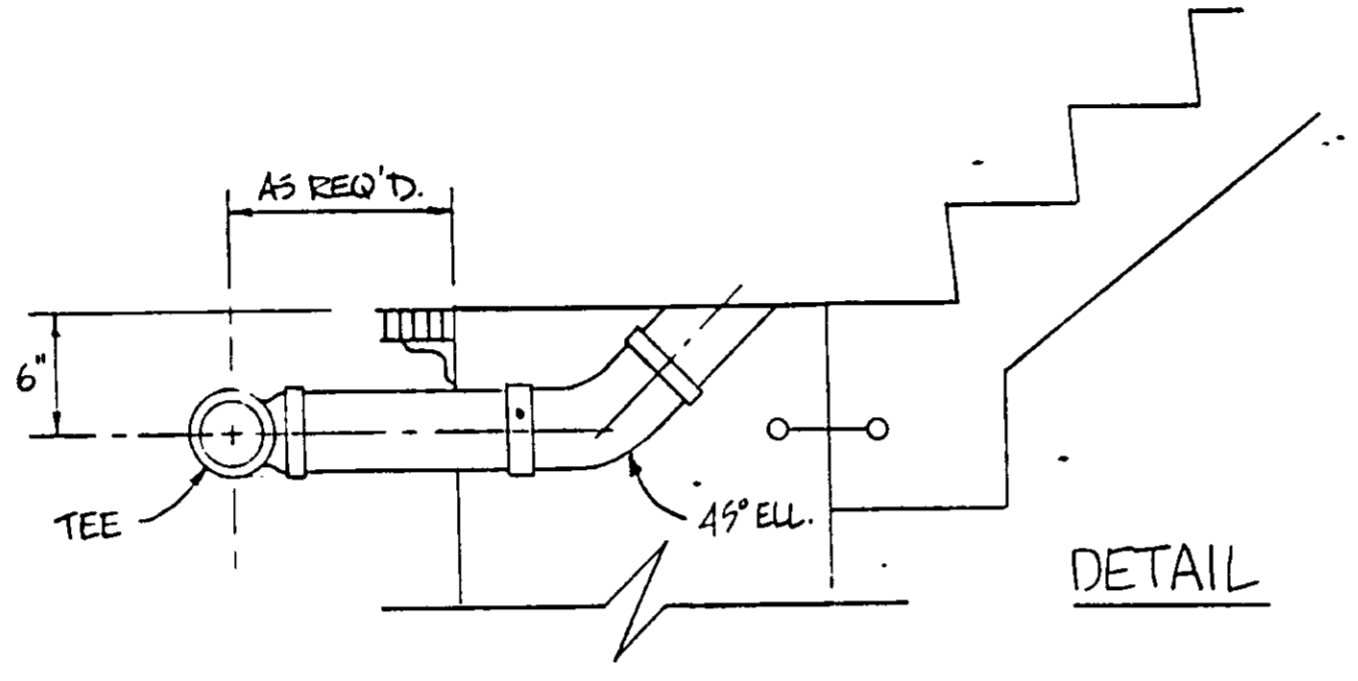
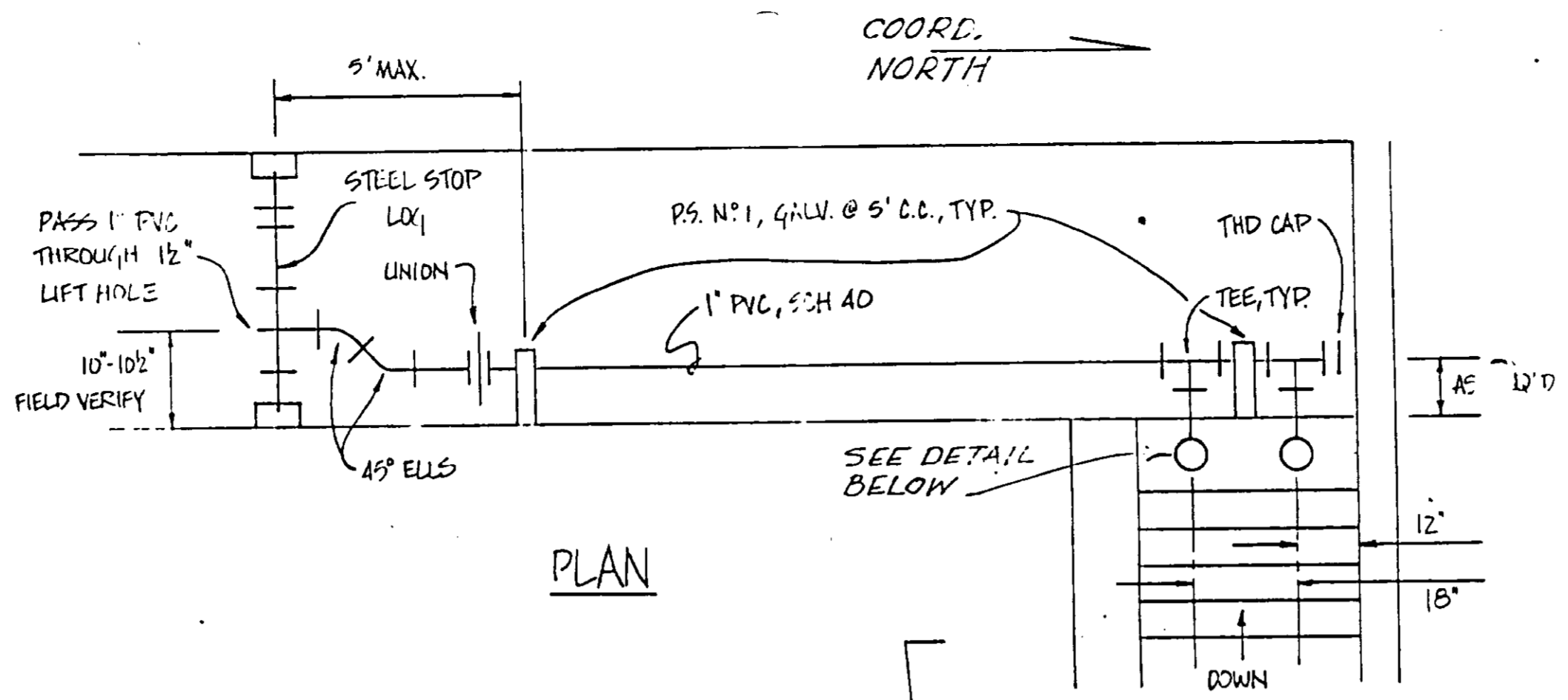
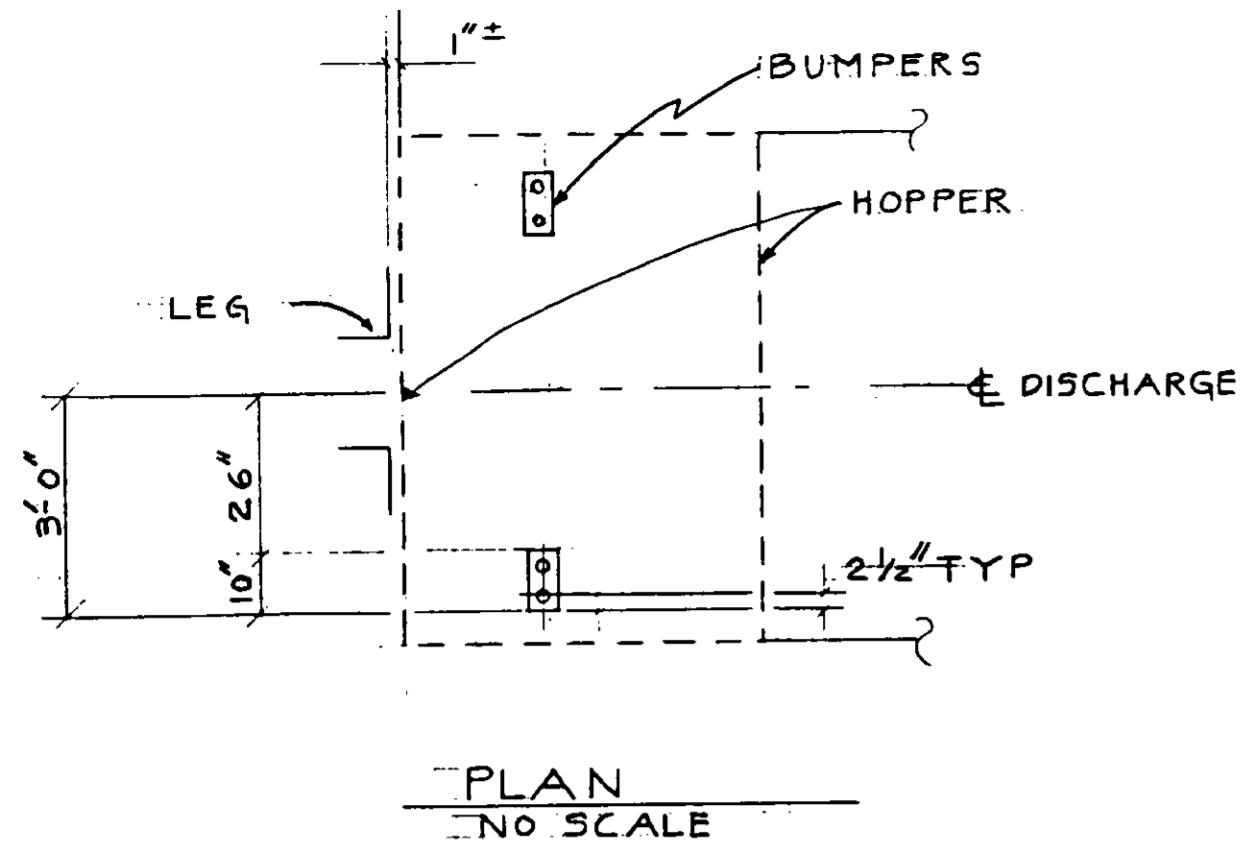
CRANE RAIL EXTENSION GUARD

REFERENCE DRAWING: SKMBS-1 & SKMBS-2
PLAN CHANGE: PCH-C5-82

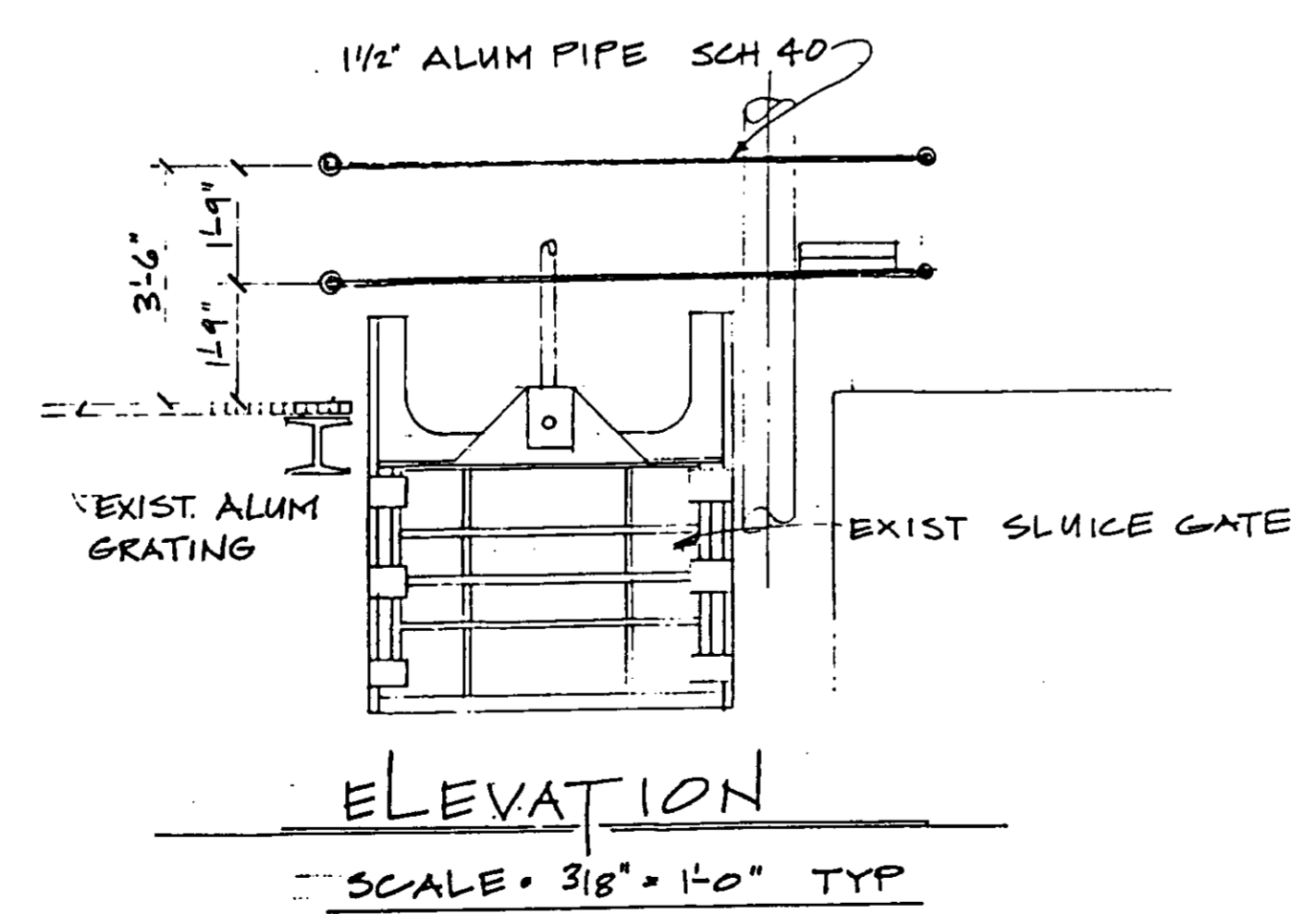
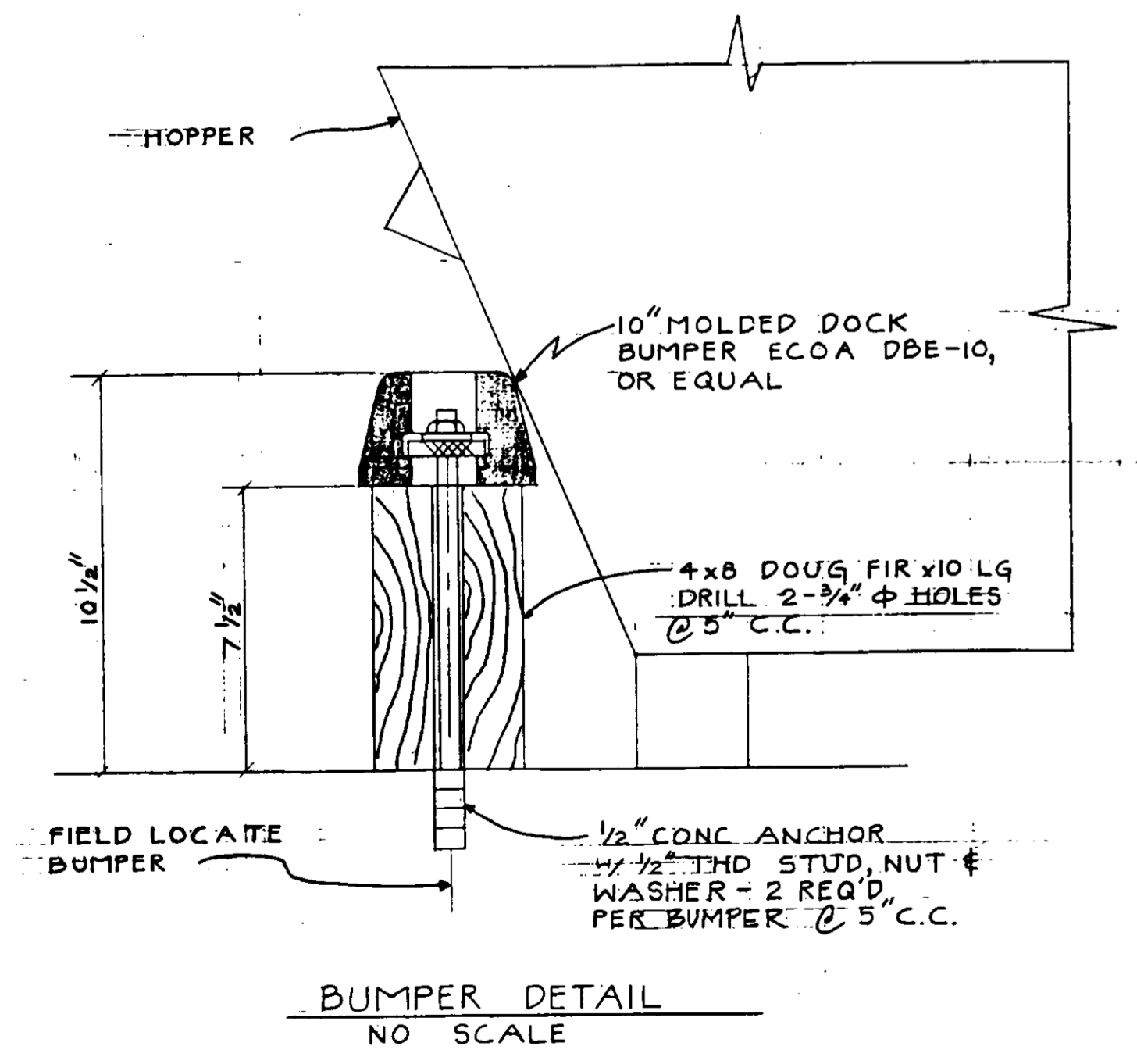
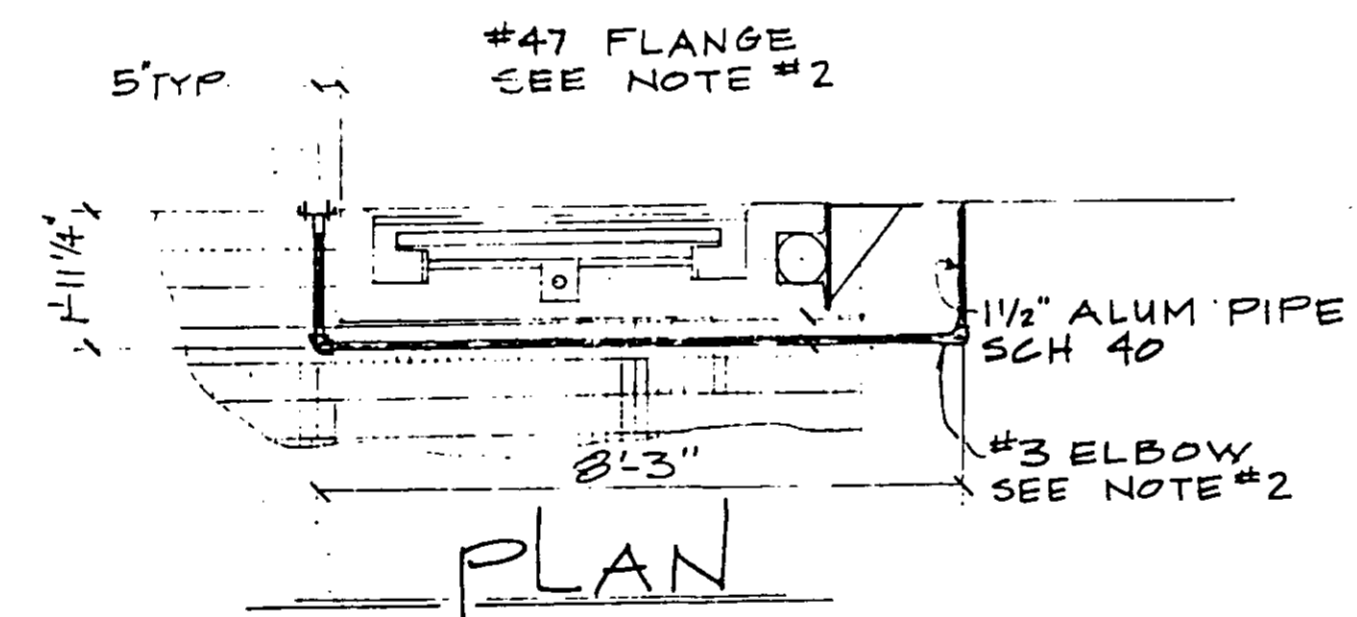
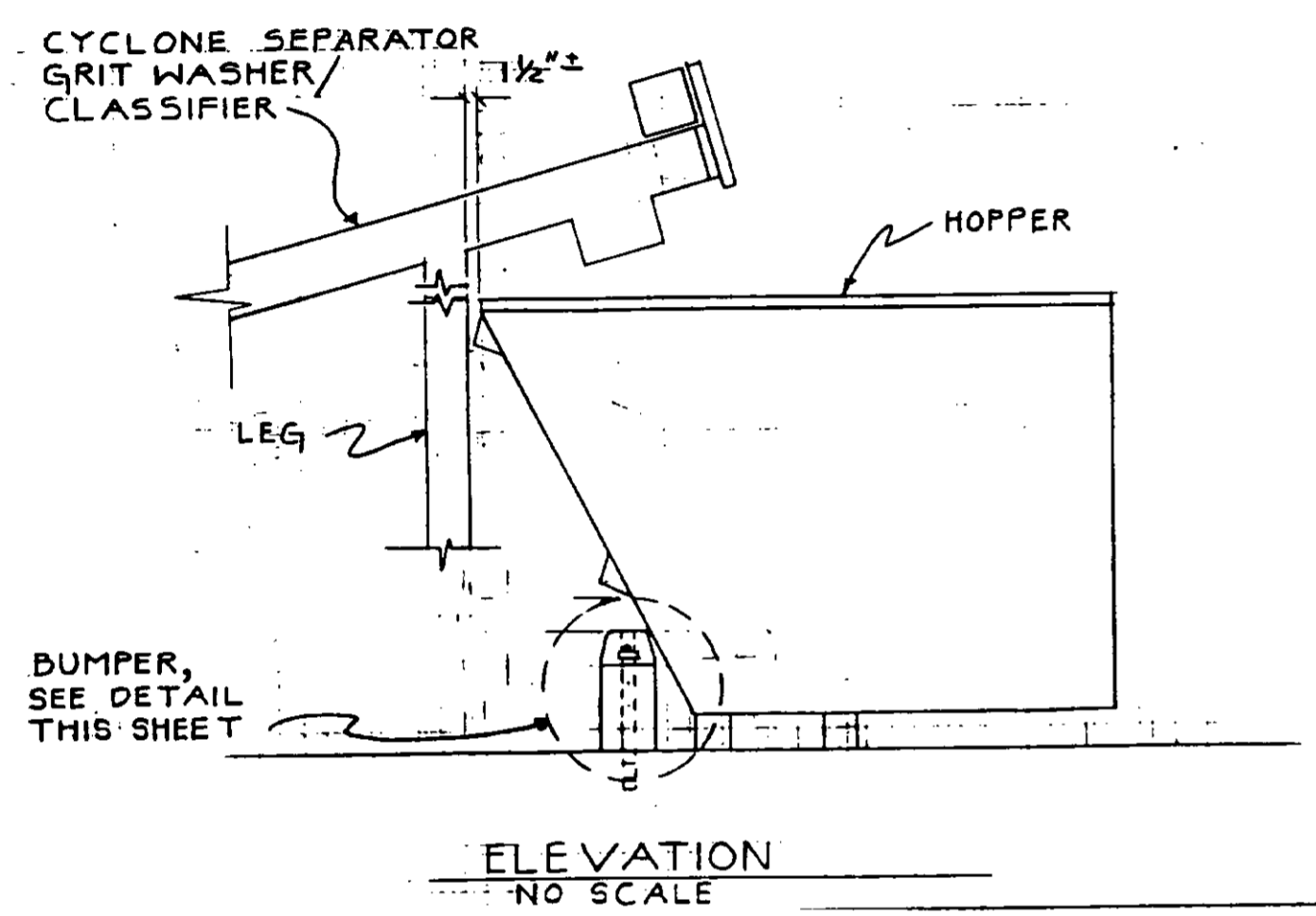
RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

[Signature]
RCE 14088
KATSURA CONSULTING ENGINEERS
March 1985



REFERENCE DRAWING :
EXTRA WORK : EW-25-19



BUMPER GUARD FOR CYCLONE
REFERENCE DRAWING : BK-MI-8A
EXTRA WORK : EW-25-10

NOTES: 1. ANCHORS SHALL BE STAINLESS STEEL.
2. FLANGES & ELBOWS FROM HOLLANDER 'SPEED-RAIL'
IN-LINE STRUCTURAL SLIP-ON FITTINGS. SHOP
DRAWING # C05-0170.

REFERENCE DRAWING : BK-MI-A
EXTRA WORK : EW-25-58

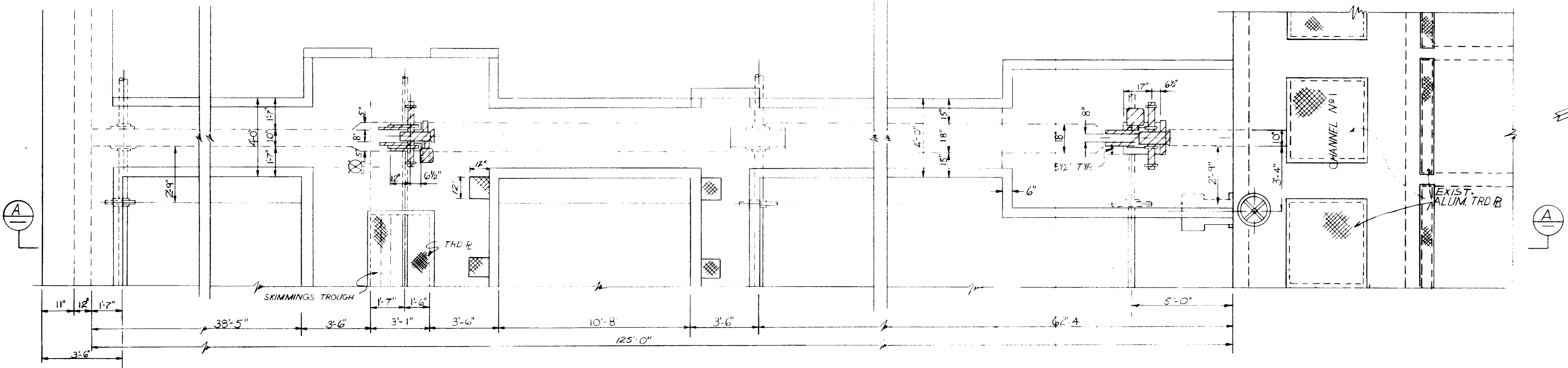
03263

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
RCE 14088
KATSUBA CONSULTING ENGINEERS
March 1986

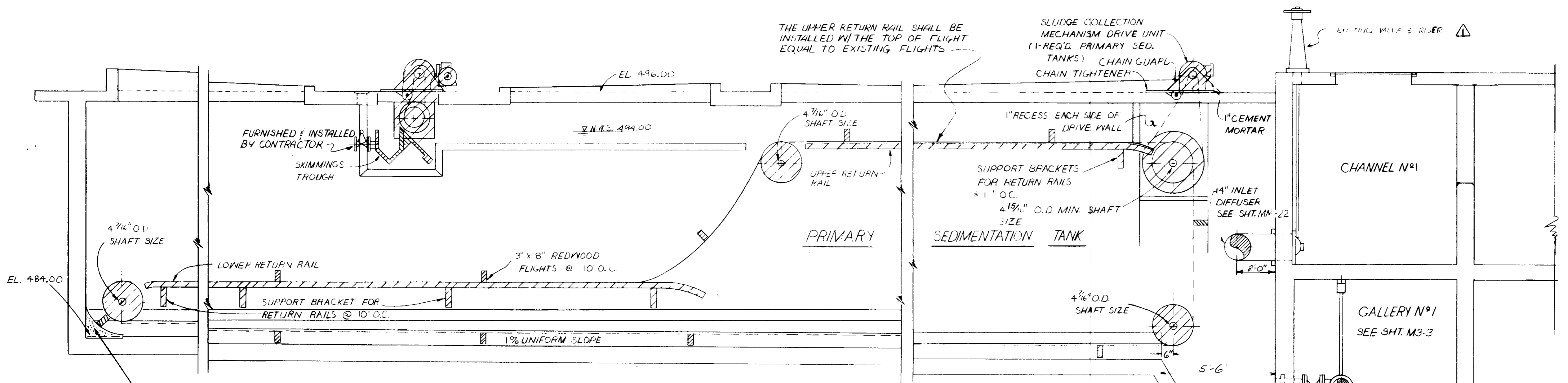
HEADWORKS - MISCELLANEOUS DETAILS III

SHEET
M1-28

EQUIPMENT FURNISHED BY OWNER. SEE SPECS.



PLAN



SECTION A-A

NOTES: 1. COORDINATE EQUIPMENT REQUIREMENTS W/ MFG.
 2. CHECK ALL EXISTING ANCHORS & WEAR RAIL W/ EQUIPMENT REQUIREMENTS.
 3. FOR WEAR RAILS, SEE S3 DRAWINGS.

03264

RECORD DRAWINGS
 Per Field Information Provided By Merley-Ziebarth & Alber
 RCE 14088
 KATSUMA CONSULTING ENGINEERS
 March 1988

REV	DATE	BY	DESCRIPTION
7-2-84	C.L.	REV. PER MZA & JCE	

SCALE :	AAA
DESIGNED	AAA
DRAWN	S.K.
CHECKED	

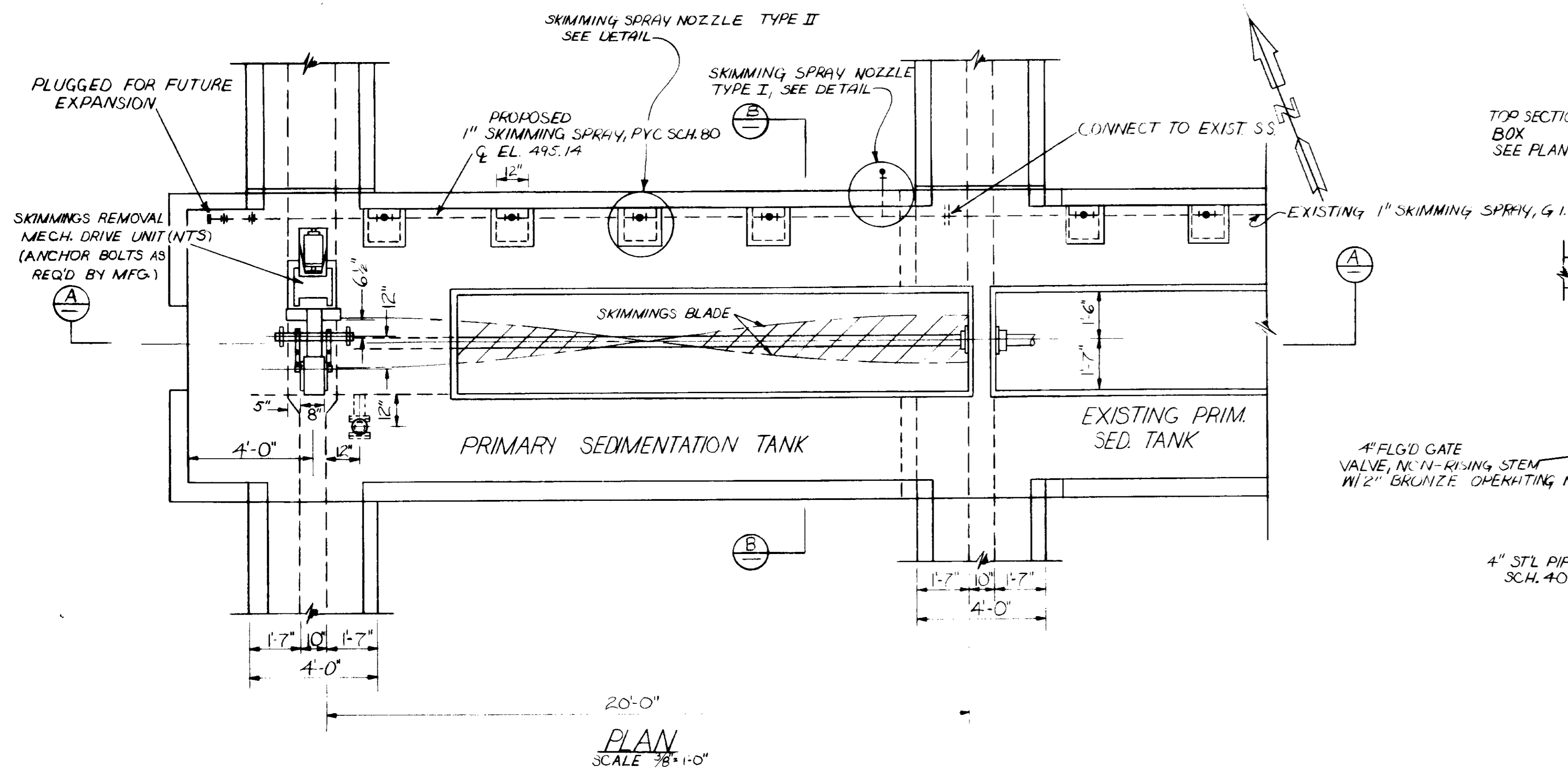
SUBMITTED	14038	8/15/79
PROJECT MANAGER	R.C.E. NO.	DATE
PROJECT ADMINISTRATOR	14894	8/15/79
	R.C.E. NO.	DATE

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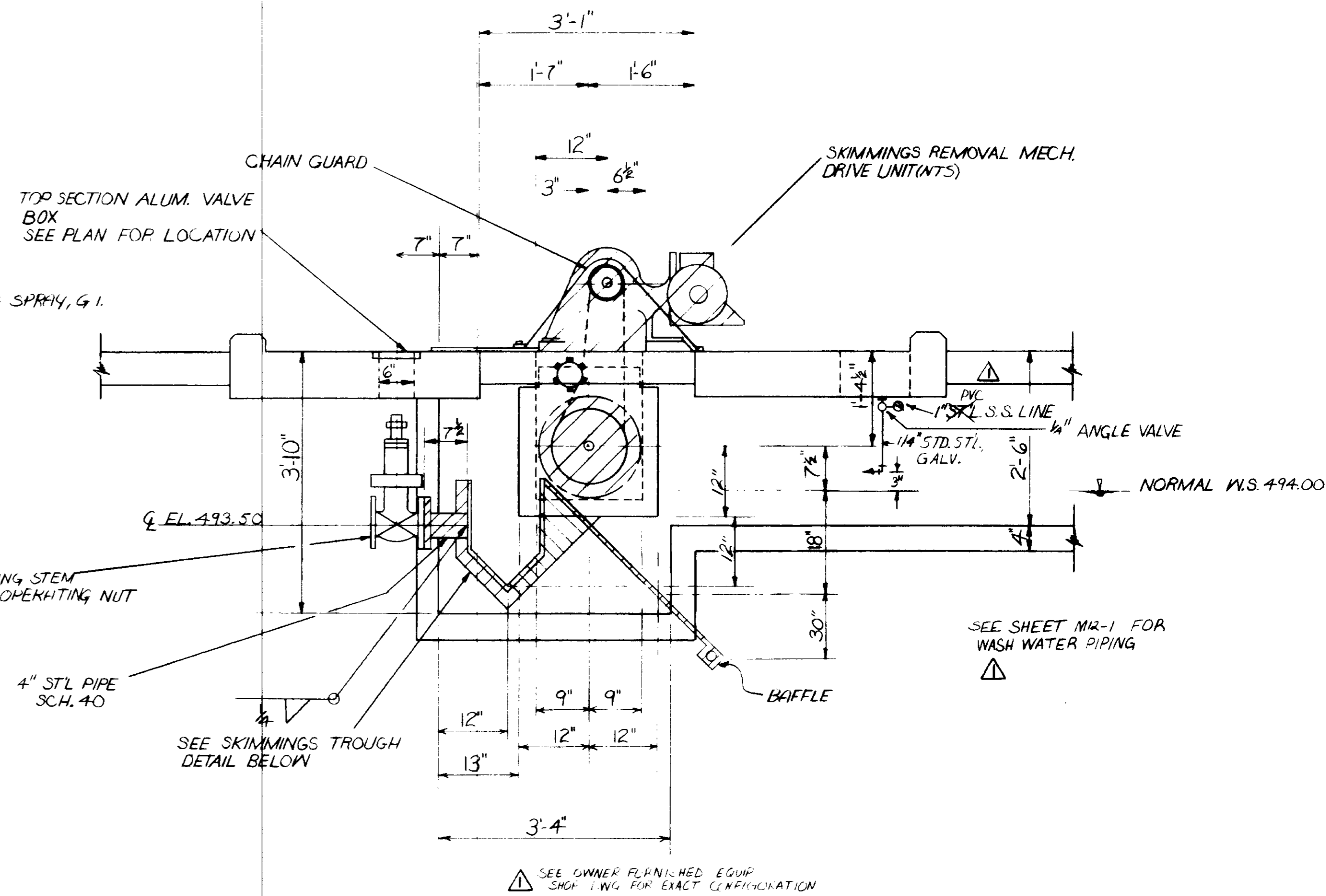
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 SLUDGE COLLECTION MECHANISM

SHEET
 M2-1

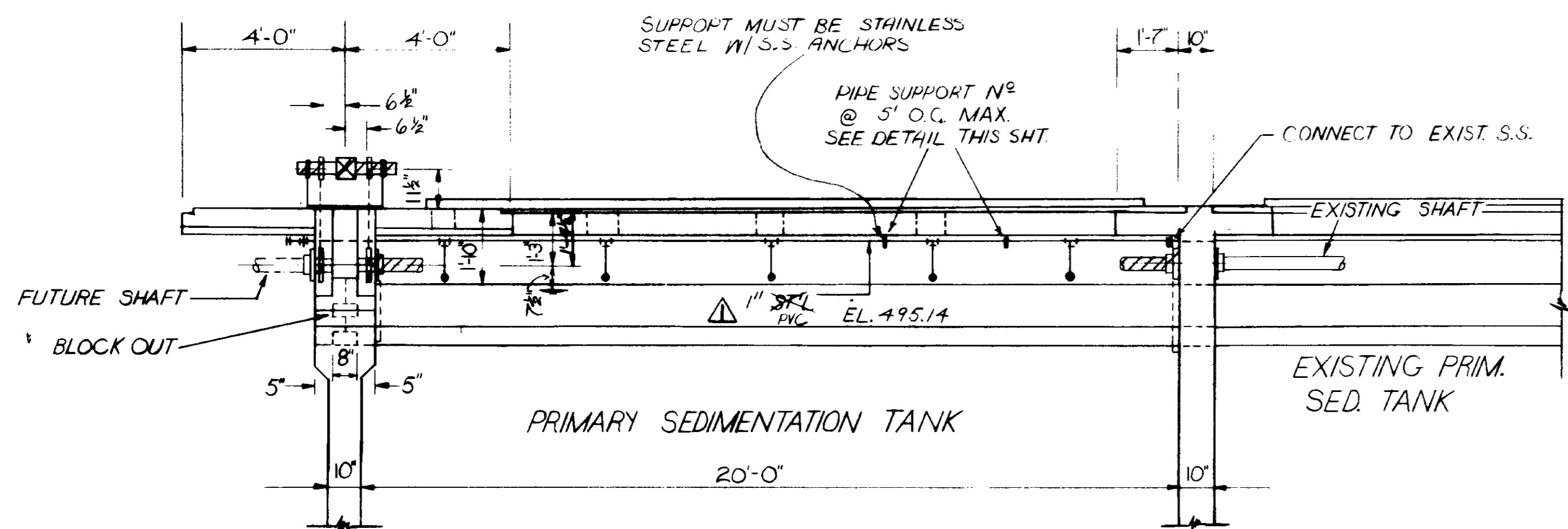
EQUIPMENT FURNISHED BY OWNER



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

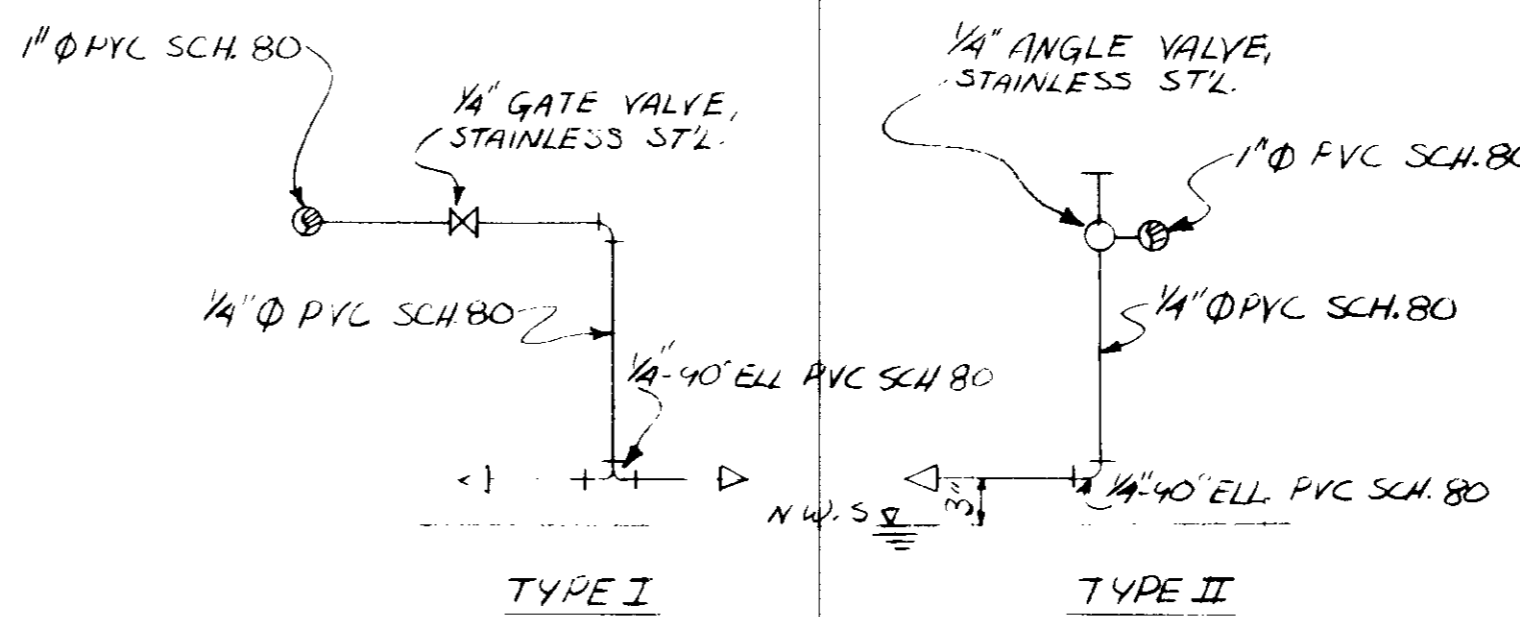


ELEVATION SECTION B
SCALE 3/4"=1'-0"

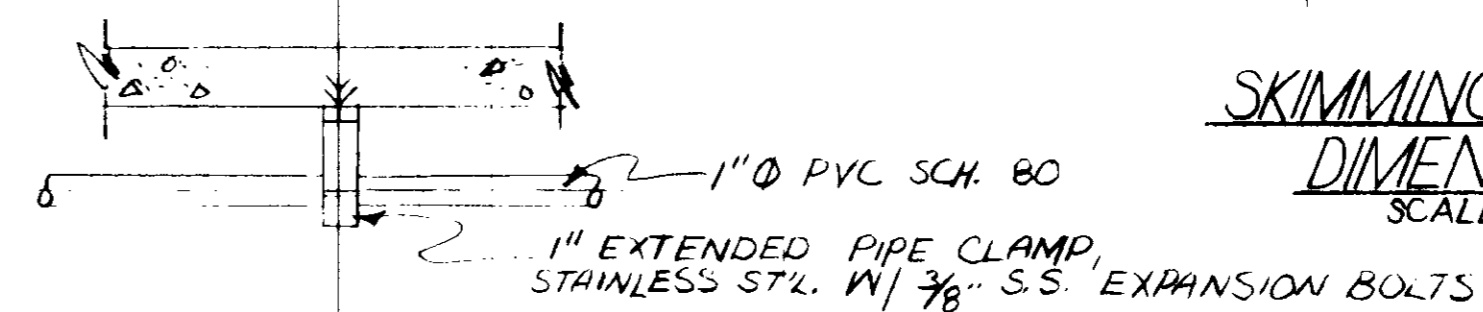


SECTION A
SCALE 3/8"=1'-0"

NOTE: COORDINATE EQUIPMENT REQUIREMENTS W/ MFG.



TYPE I SKIMMING SPRAY NOZZLE



SKIMMING TROUGH DIMENSIONS
SCALE 1/2"=1'-0"

SPRAY NOZZLE DETAILS

03265

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

Yuh Katsura
KATSURA CONSULTING ENGINEERS
RCE 14038
March 1985

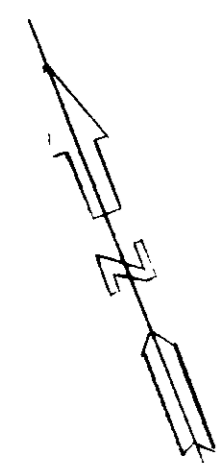
REV	DATE	BY	DESCRIPTION
7-28	C.L.	REV. PER MZA & JCE	

SCALE :	AAA	SUBMITTED	14038	8/15/79
AS NOTED	AAA	DESIGNED		
		DRAWN		
		CHECKED		
		PROJECT MANAGER		
		PROJECT ADMINISTRATOR	14894	8/15/79

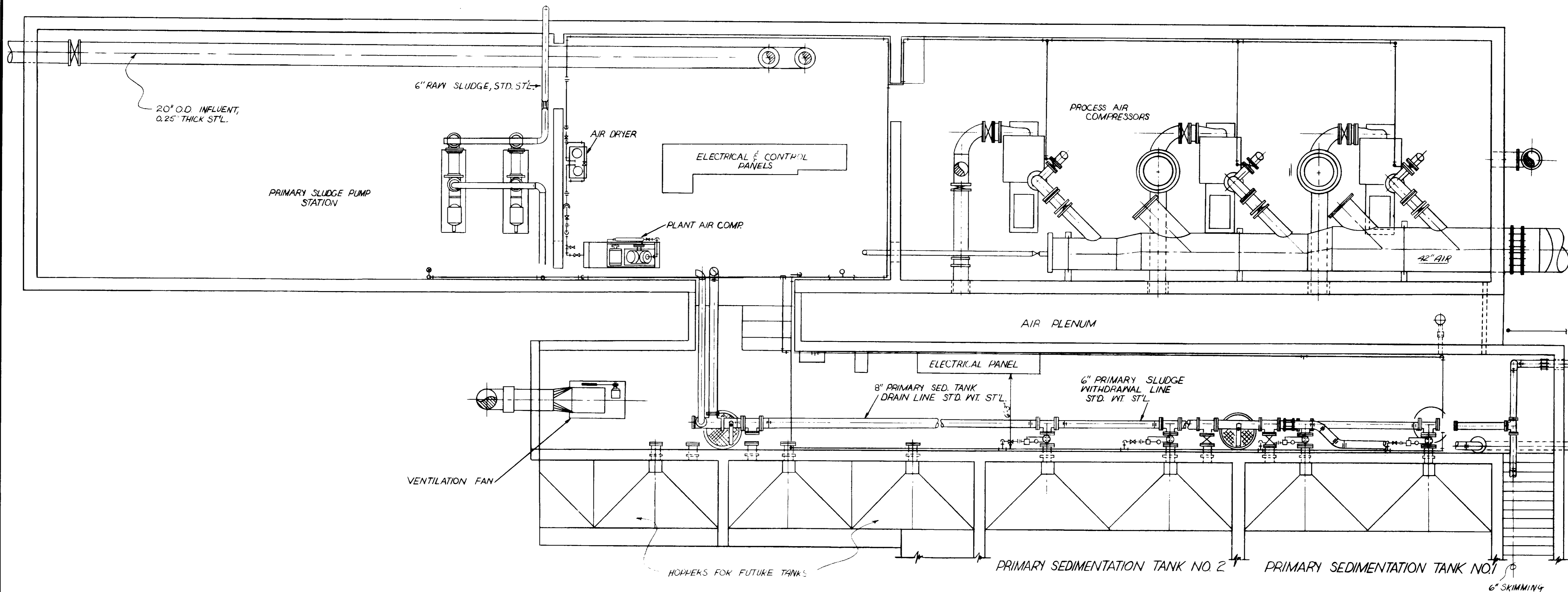
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A JOINT VENTURE
8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
SKIMMING REMOVAL MECHANISM

SHEET
M2-2



GALLERY N°6 SEE C4-15 & C4-11



PLAN

03266

RECORD DRAWINGS
 Per Field Information Provided By Merley-Ziebarth & Alper
[Signature]
 KATSURA CONSULTING ENGINEERS March 1985

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

SCALE : $\frac{1}{4} = 1' - 0''$
 DESIGNED: AAA
 DRAWN: SK
 CHECKED: *[Signature]*

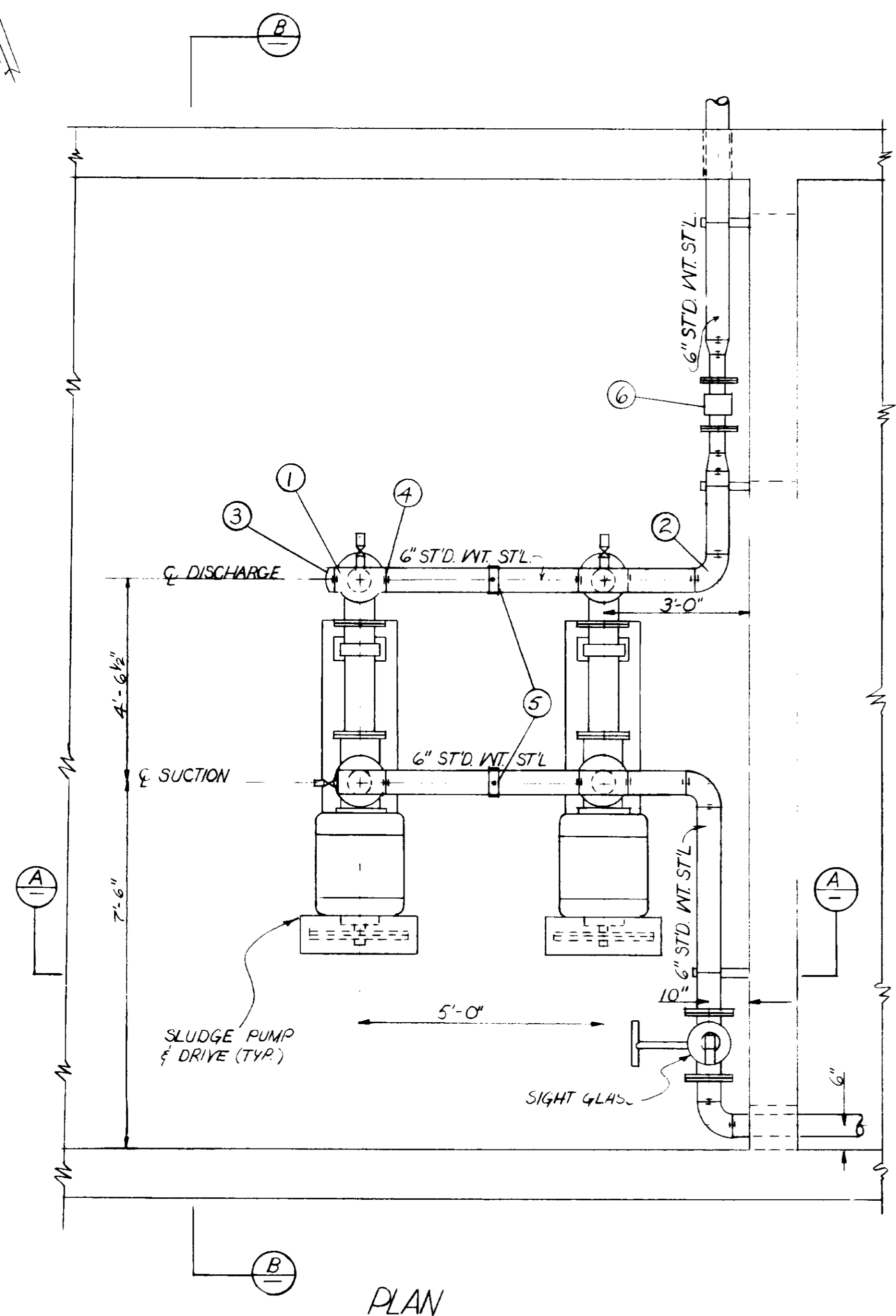
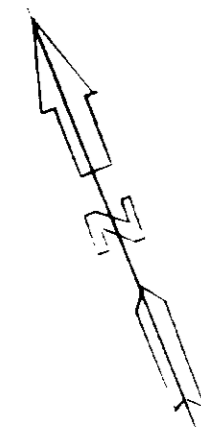
SUBMITTED: *[Signature]* 14038 8/15/79
 PROJECT MANAGER R.C.E. NO. DATE
 PROJECT ADMINISTRATOR: *[Signature]* 14894 8/15/79
 R.C.E. NO. DATE



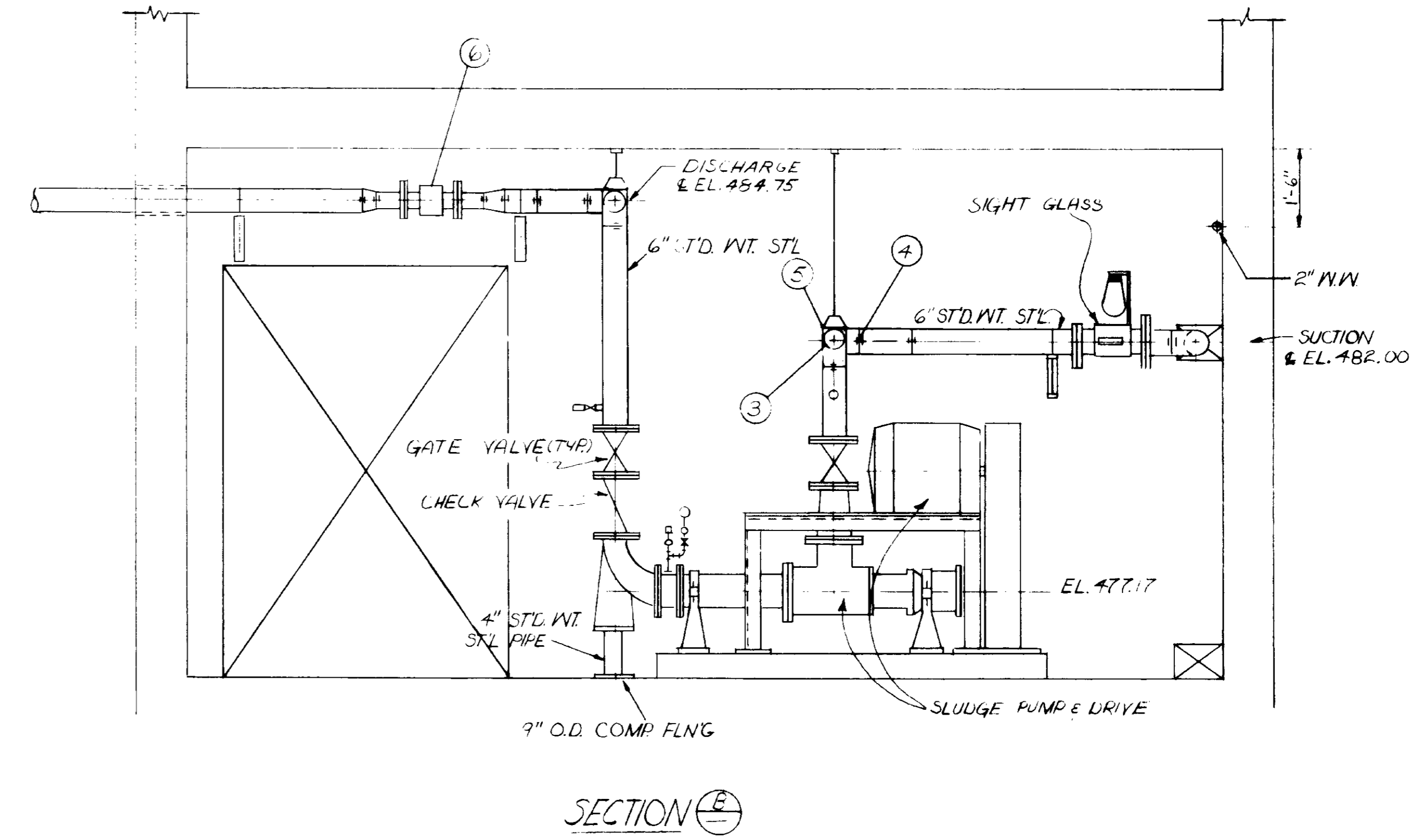
CONSULTING ENGINEERS
 A JOINT VENTURE
 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 PRIMARY SEDIMENTATION TANK & VICINITY
 EXISTING FACILITIES - I

SHEET
 M3-1

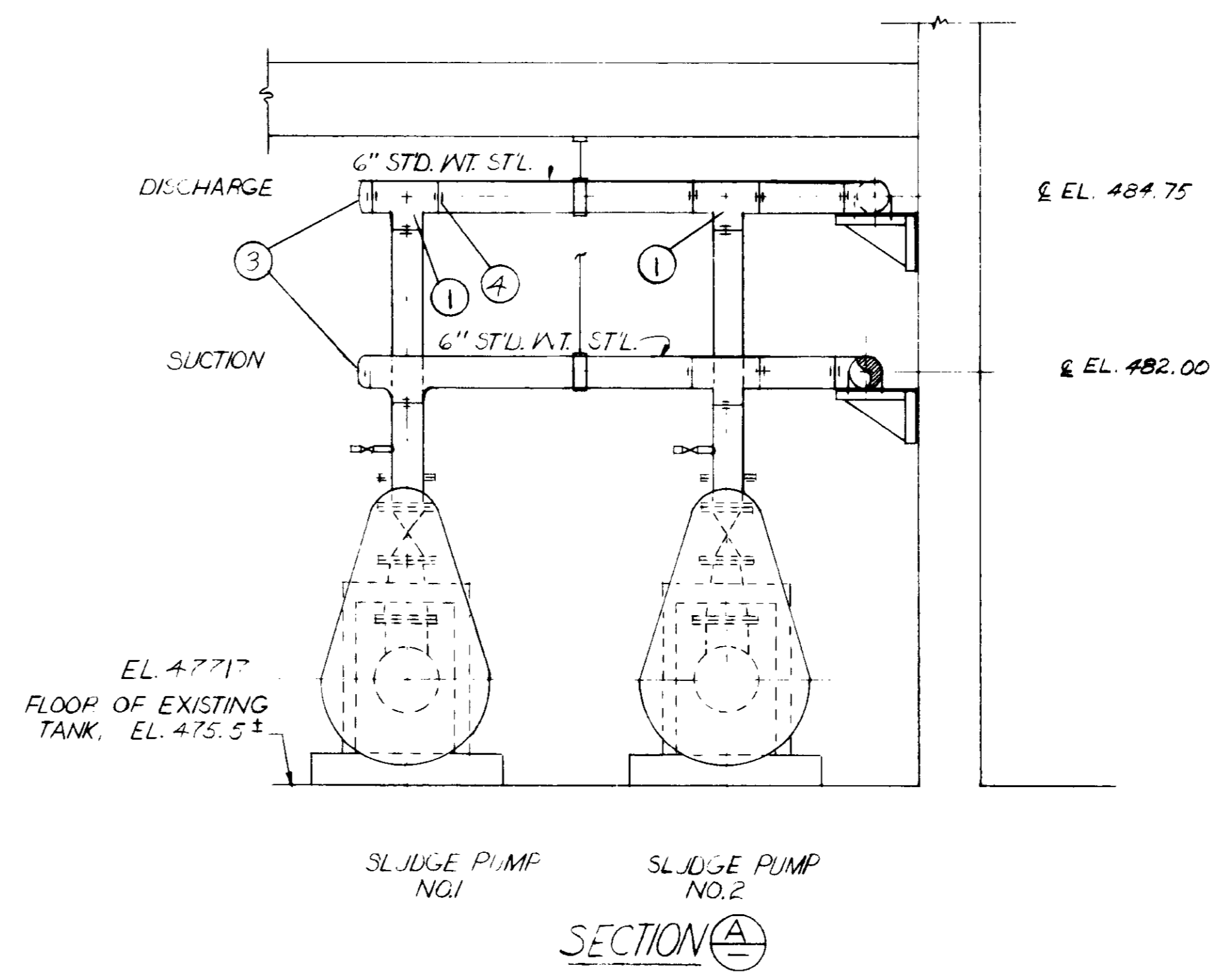


PLAN



SECTION B-B

ASSEMBLY SCHEDULE	
SYMBOL	DESCRIPTION
1	6" TEE VICTAULIC NO. 20
2	6" EL. VICTAULIC NO. 50
3	6" CAP VICTAULIC
4	STYLE 77 VICTAULIC CPLG
5	PIPE SUPPORT NO. 6
6	MAGNETIC FLOW METER



SECTION A-A

03267

RECORD DRAWINGS
 Per Field Information Provided By Merley-Ziebarth & Alper
[Signature]
 RCE 14038
 KATSURA CONSULTING ENGINEERS
 March 1985

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

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

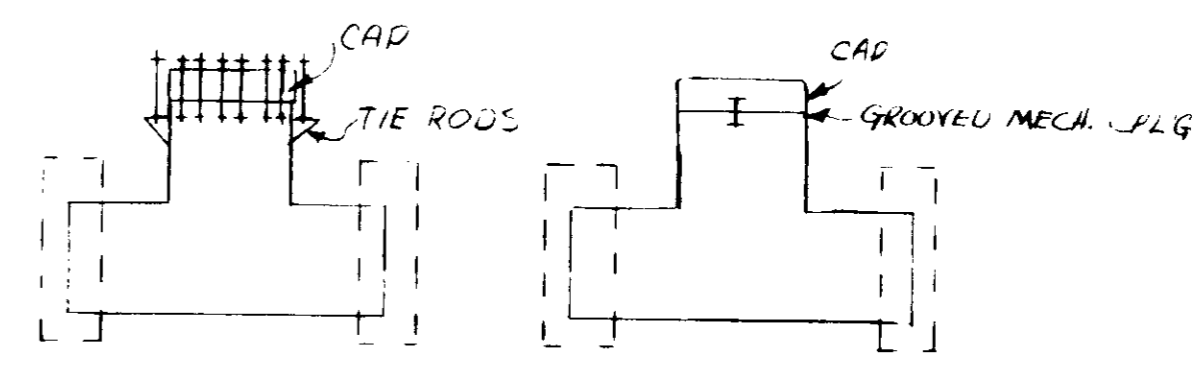
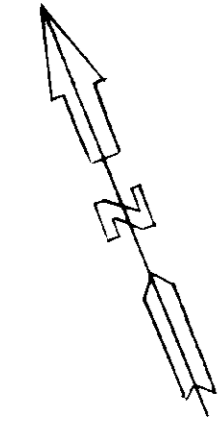
DESIGNED: *[Signature]*
 DRAWN: S.K.
 CHECKED: *[Signature]*

SUBMITTED: *[Signature]* 14038 8/15/79
 PROJECT MANAGER: R.C.E. NO. DATE
 PROJECT ADMINISTRATOR: 14894 8/15/79
 R.C.E. NO. DATE

J&K CONSULTING ENGINEERS
 A JOINT VENTURE
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 (213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 PRIMARY SEDIMENTATION TANK & VICINITY
 EXISTING FACILITIES - II

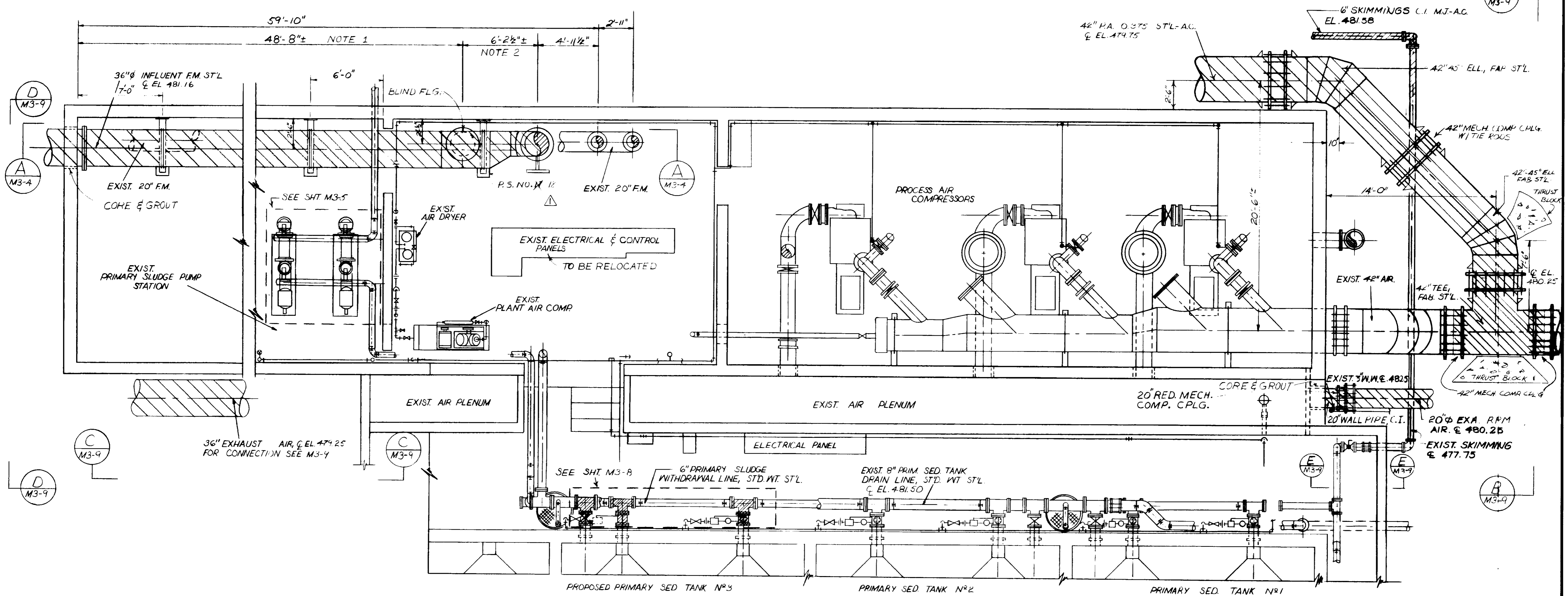
SHEET
M3-2



ALTERNATE TEMPORARY CAPS
FOR 42" TEE
(SEE SPECIFICATIONS FOR CONNECTION LIMITATION)
NO SCALE

LEGEND
PROPOSED PIPES & FITTINGS

FOR GALLERY NO. 6 SEE M7-6 & M7-7



NOTE:
1. EXACT DIMENSION SHOULD BE VERIFIED IN FIELD.
2. EXACT DIMENSION BETWEEN 34" Ø DIA. SHOULD BE VERIFIED IN FIELD.
24"

PLAN

03268

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS
RCE 14038
March 1986

REV	DATE	BY	DESCRIPTION
7-2		C.L.	REV. PER MZA & J.C.F.

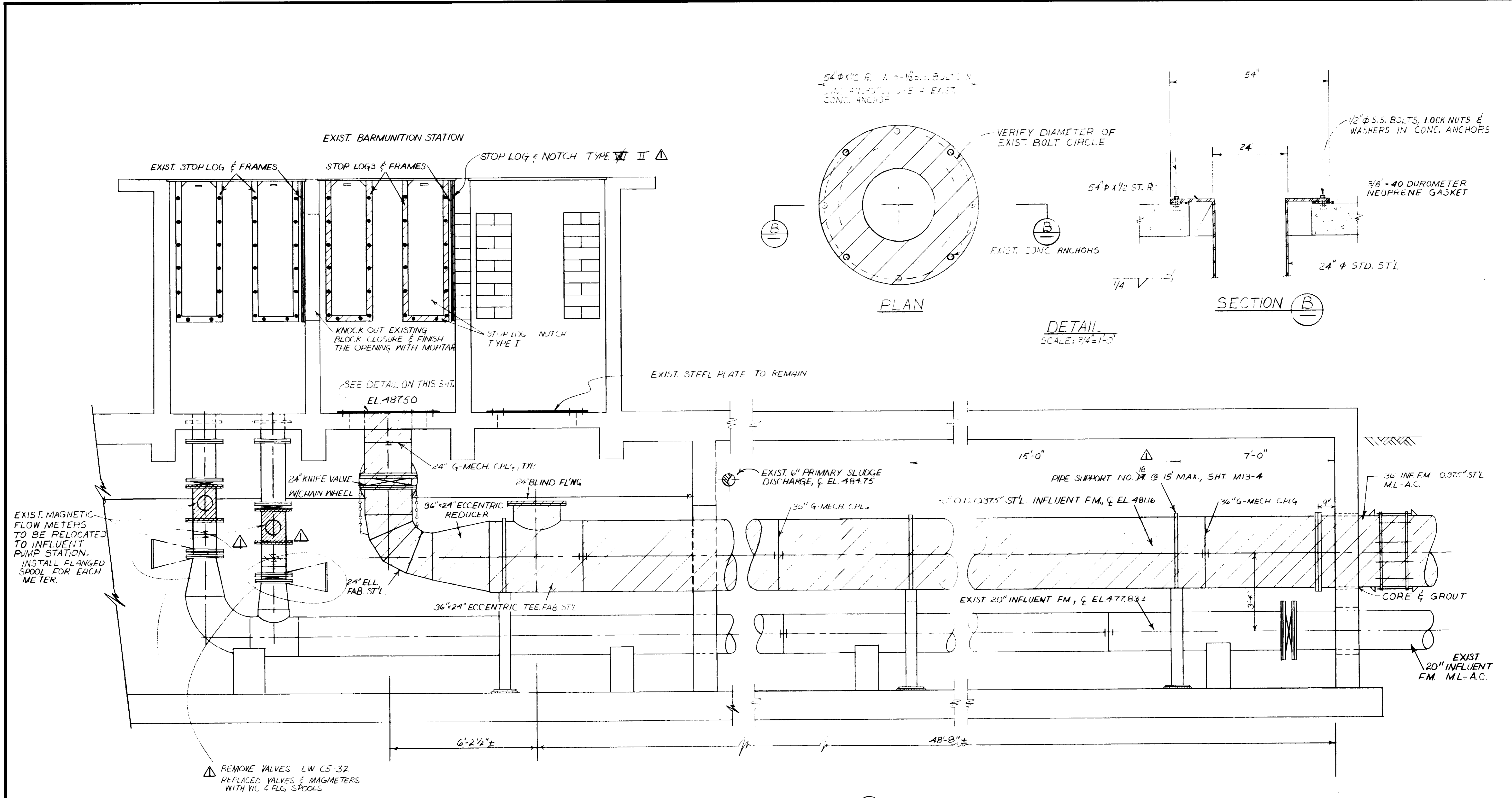
SCALE:	AAA
DESIGNED	AAA
DRAWN	S.K.
CHECKED	

SUBMITTER	14038	8/15/79
DESIGNED	AAA	
PROJECT MANAGER		
DRAWN	14894	8/15/79
CHECKED		
PROJECT ADMINISTRATOR		

JKA CONSULTING ENGINEERS
A JOINT VENTURE
8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
PRIMARY SLUDGE PUMP STATION
PROPOSED IMPROVEMENTS

SHEET
M3-3



LEGEND
 PROPOSED FACILITY OR WORK

03269

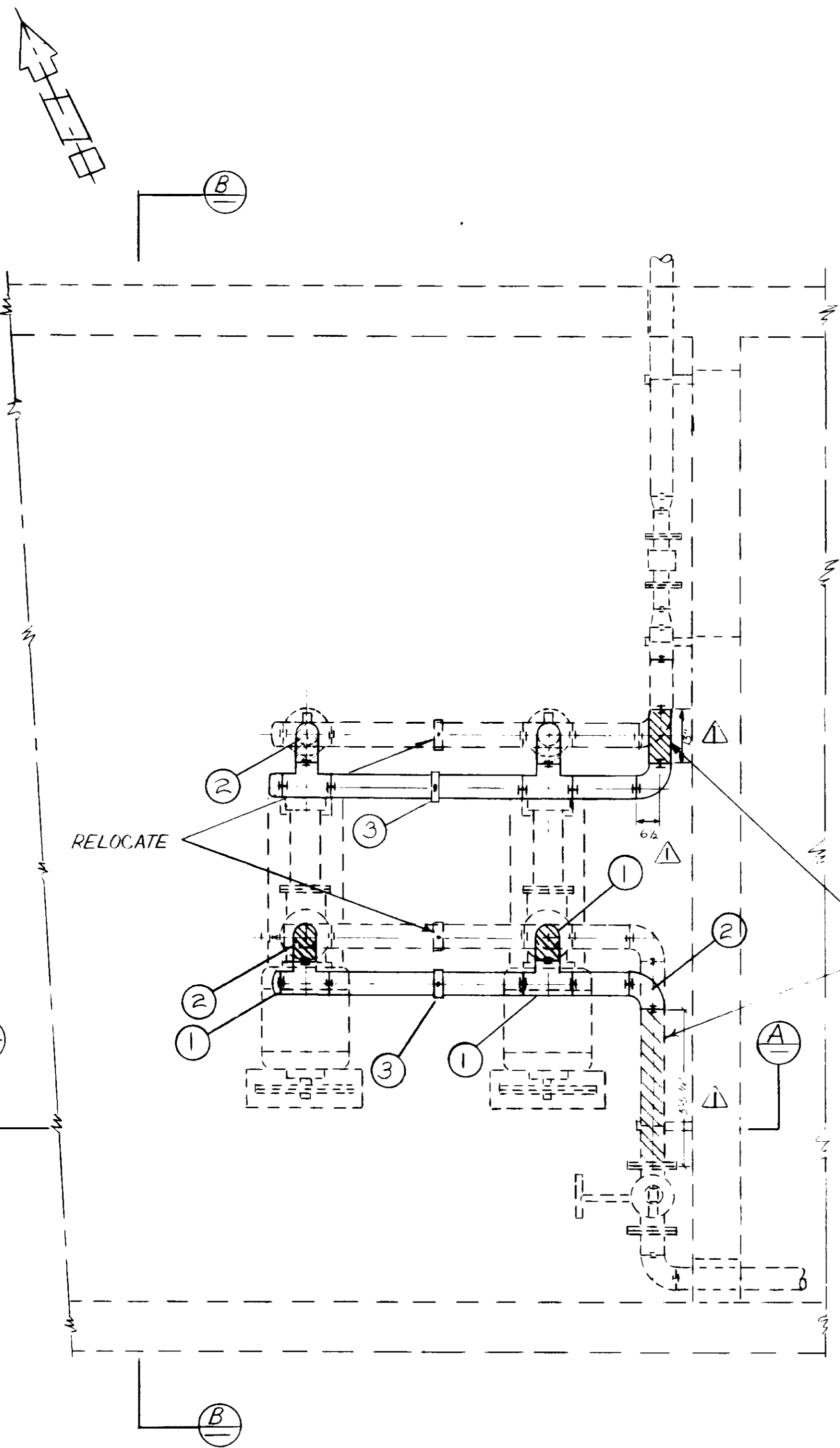
RECORD DRAWINGS
 Per Field Information Provided By Merley-Ziebarth & Alber
Uph Katsura RCE 14038
 KATSURA CONSULTING ENGINEERS March 1985

REV	DATE	BY	DESCRIPTION
7-2-89	C.L.	REV. PER MZA & J.C.F.	

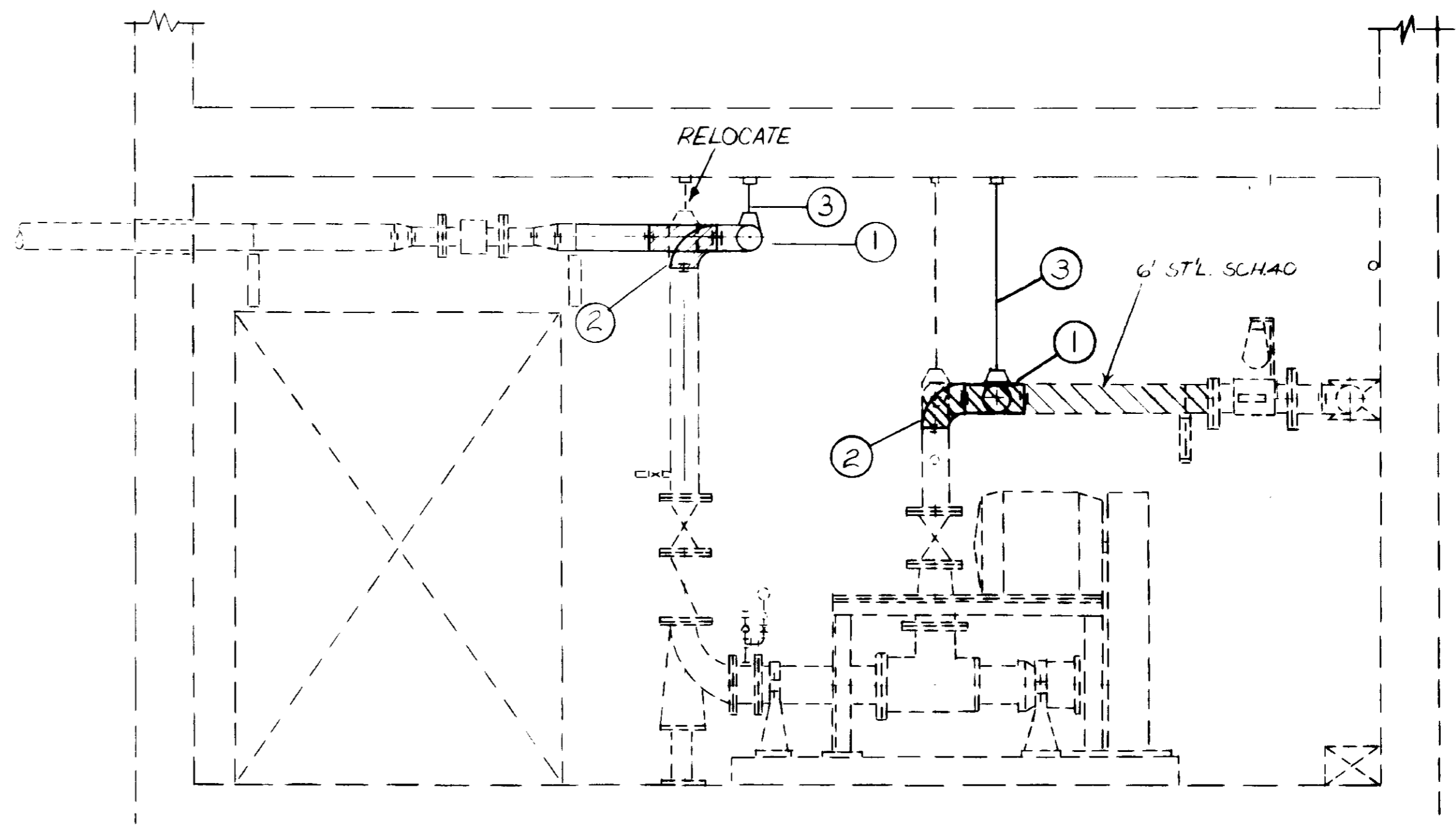
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AS NOTED	DESIGNED	PROJECT MANAGER	R.C.E. NO.	DATE
	AAA	<i>Uph Katsura</i>		
	DRAWN	PROJECT ADMINISTRATOR	14884	8/15/79
	S.K.		R.C.E. NO.	DATE
	CHECKED			

JKK CONSULTING ENGINEERS
 A JOINT VENTURE
 8901 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 933-9117

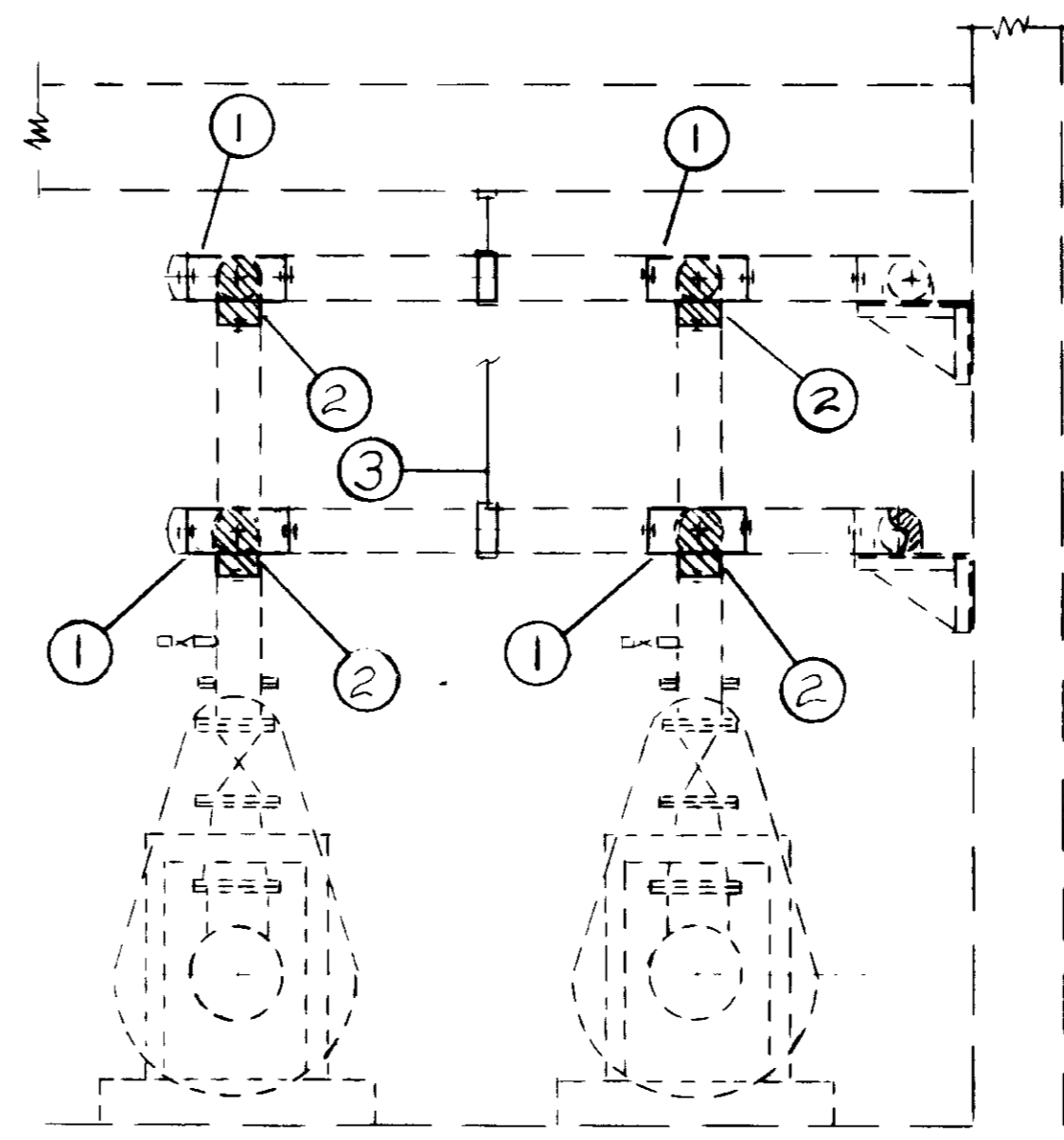
LAS VIRGENES MUNICIPAL WATER DISTRICT	SHEET M3-4
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.	
INFLUENT FORCE MAIN	



PLAN



SECTION B-B



SECTION A-A

SYMBOL	DESCRIPTION
1	6" TEE TO BE RELOCATED
2	6" 45° ELL, STL. G-MECH. (PLG. TYP.)
3	PIPE SUPPORT, SEE DETAIL
DOTTED LINE	EXISTING FACILITIES
SOLID LINE	MODIFIED FACILITIES

LEGEND
 PROPOSED PIPES & FITTINGS

03270

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

[Signature] RCE 14038
 KATSURA CONSULTING ENGINEERS March 1986

REV	DATE	BY	DESCRIPTION

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

AAA
 DESIGNED
 DWV
 DRAWN
 SK
 CHECKED

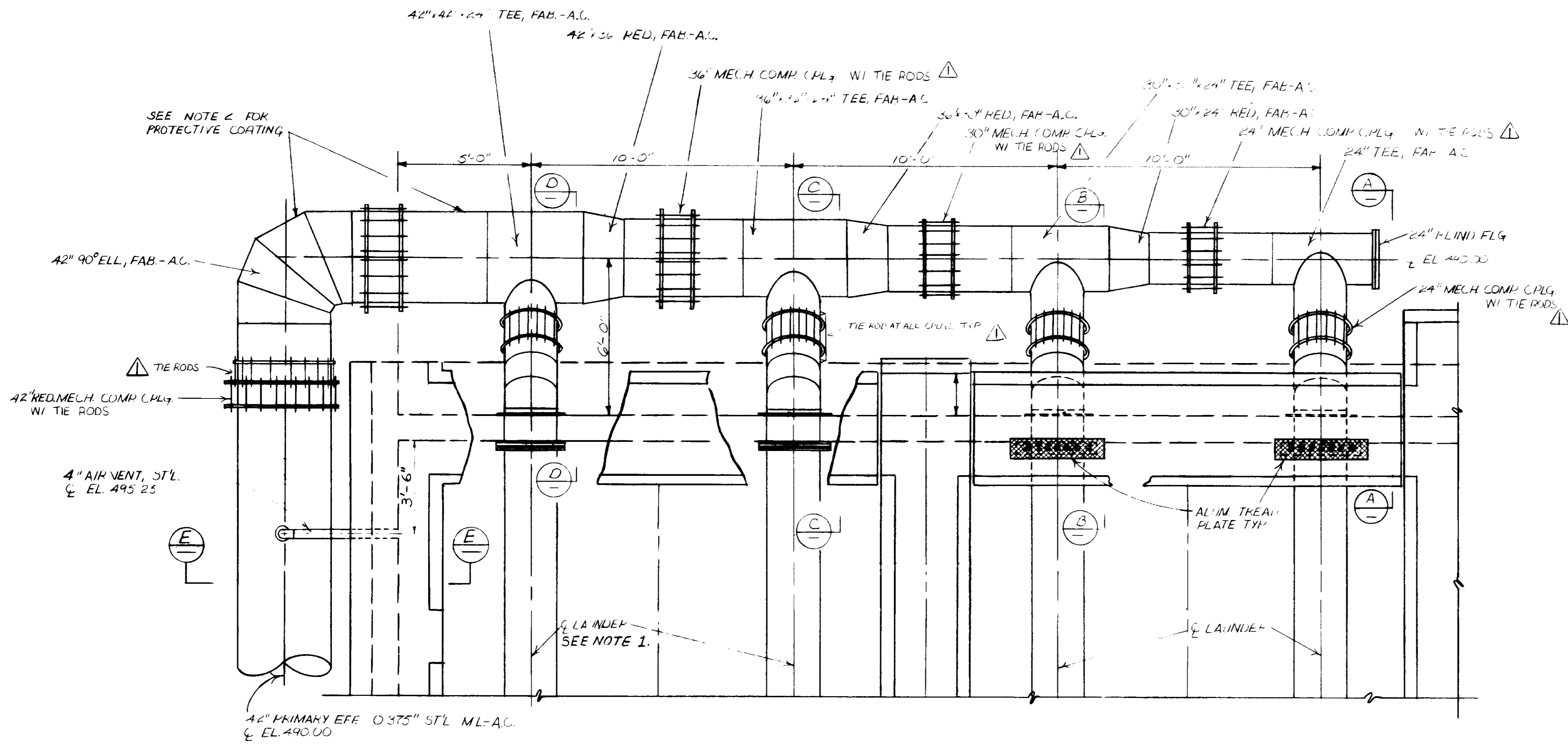
SUBMITTED
[Signature] 14038 8/15/79
 PROJECT MANAGER R.C.E. NO. DATE

[Signature] 14894 8/15/79
 PROJECT ADMINISTRATOR R.C.E. NO. DATE

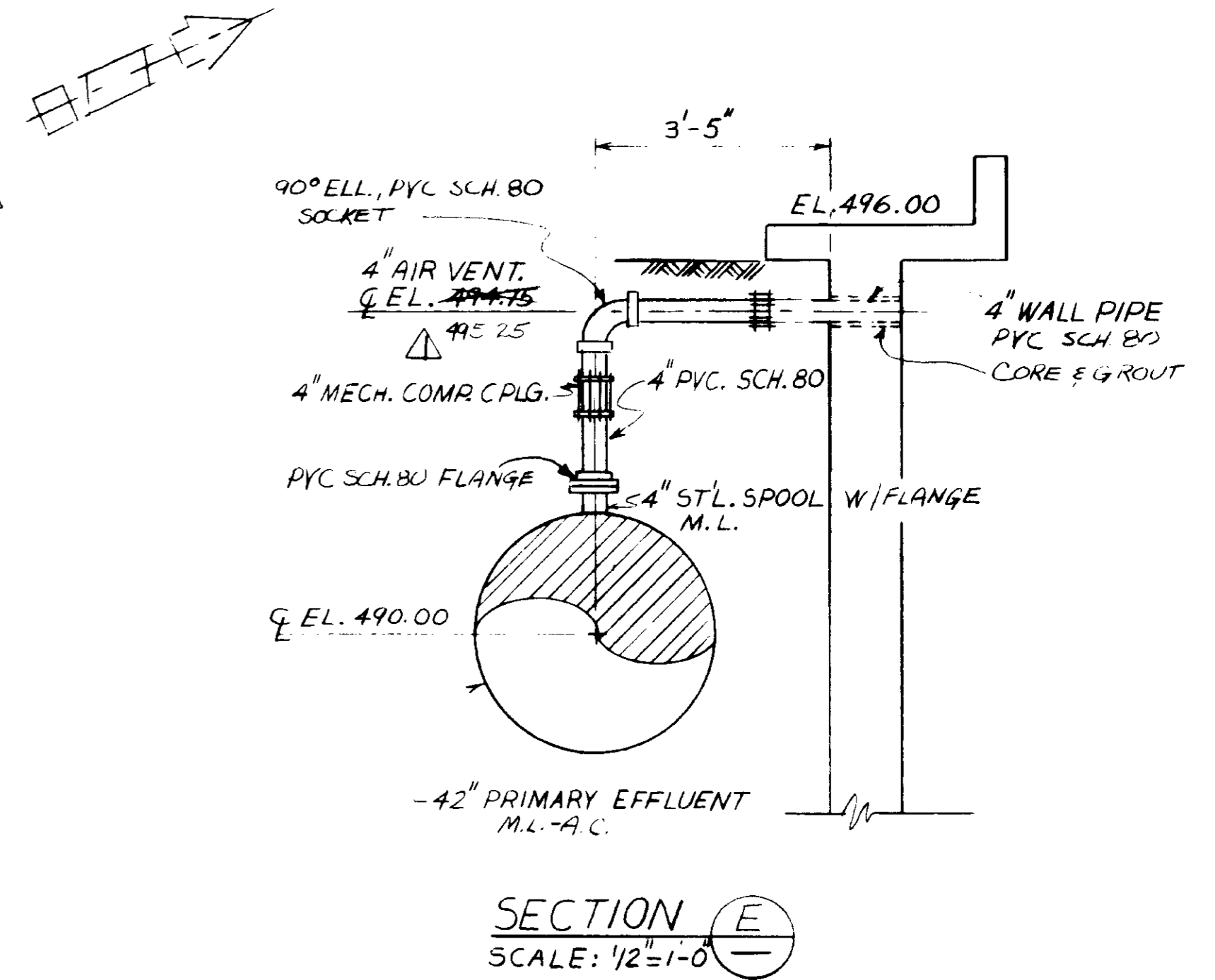
JKE CONSULTING ENGINEERS
 A JOINT VENTURE
 8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
 SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 IMPROVED PRIMARY SLUDGE PUMP STATION

SHEET
 M3-5

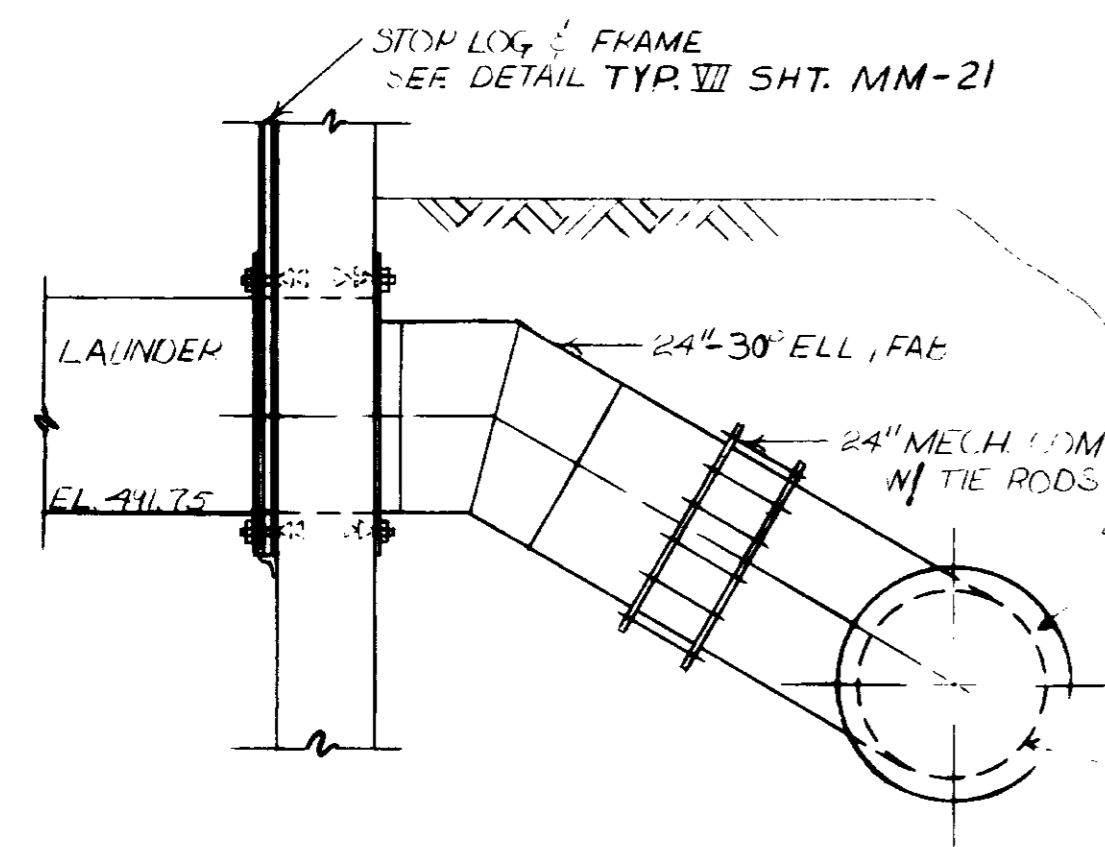


PLAN
SCALE: 3/8=1'-0"

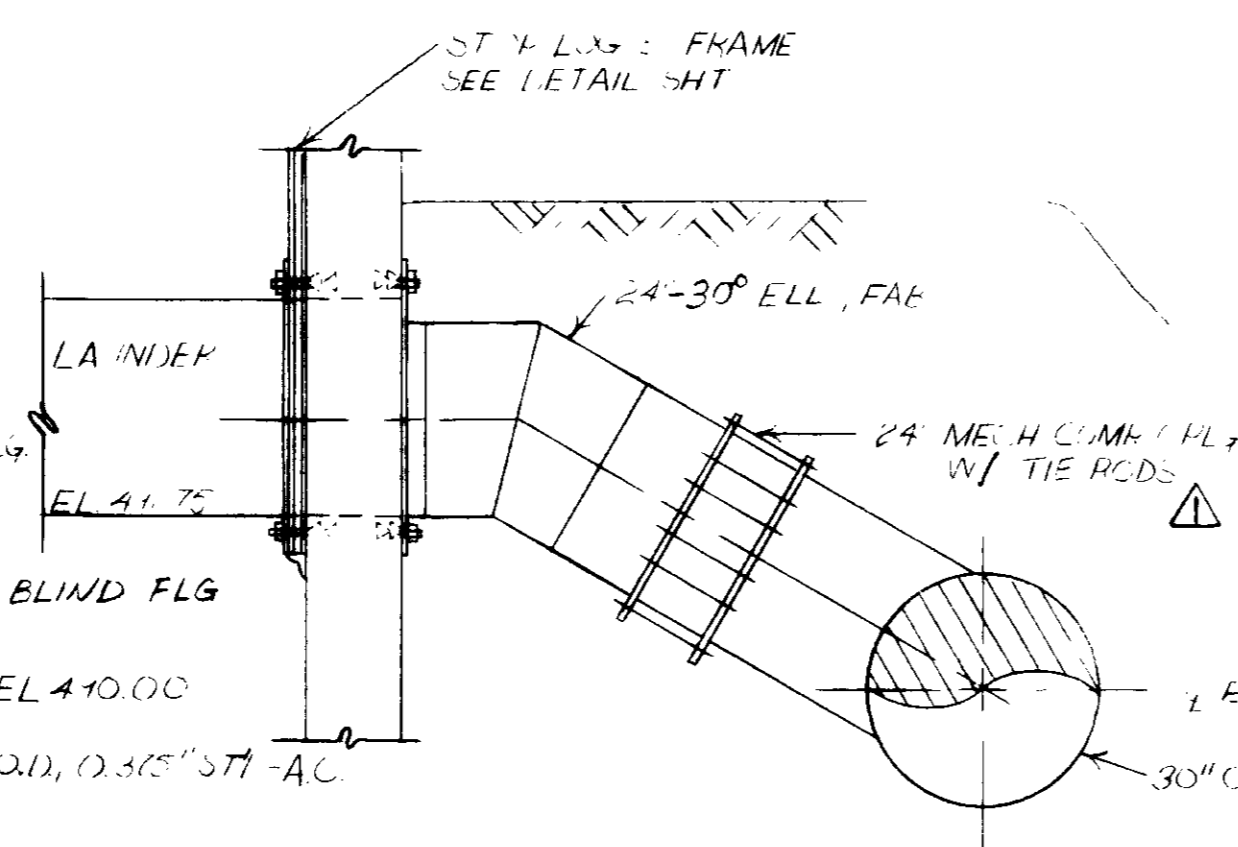


SECTION E
SCALE: 1/2=1'-0"

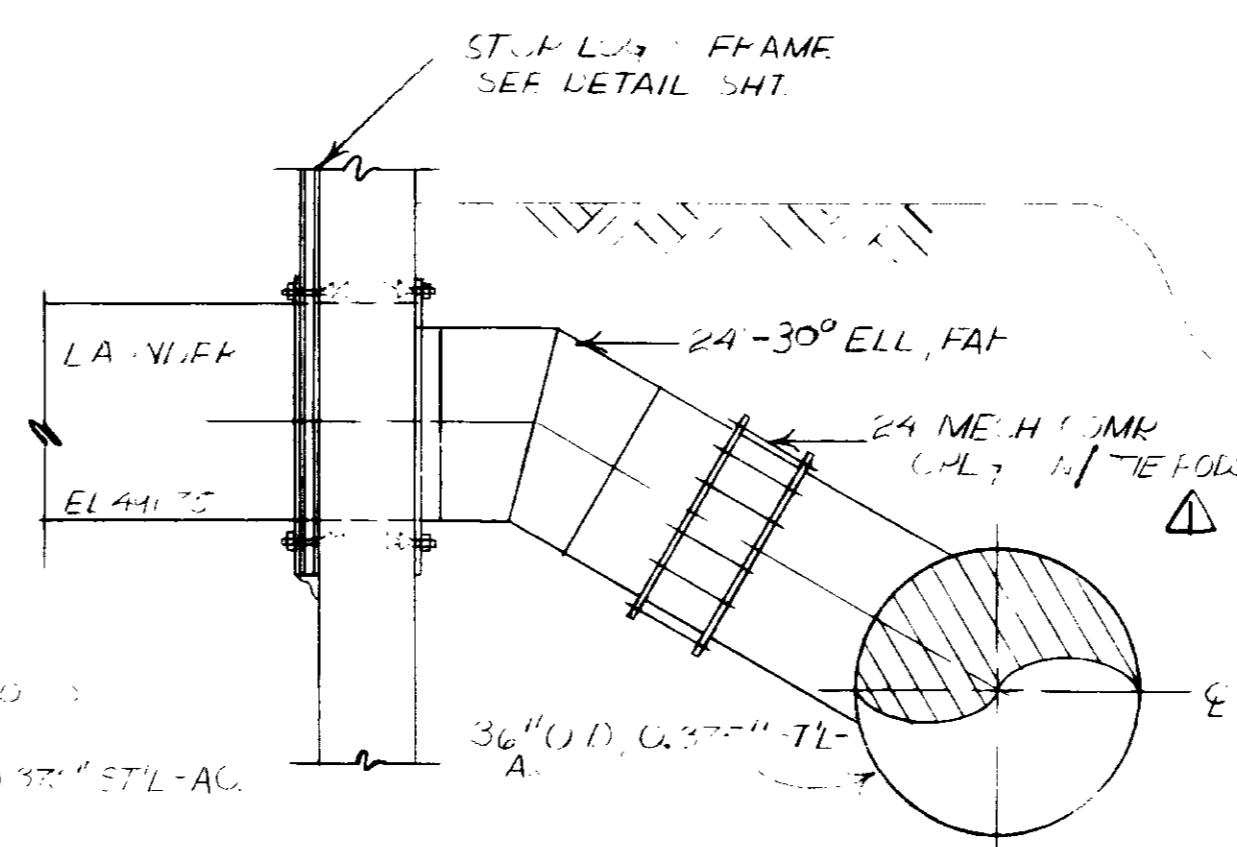
- NOTE:
1. FOR LAUNDRER CONNECTION DETAIL SEE MM-14
 2. PAINT INTERIOR OF MANIFOLD PIPING W/ SUBMERGED METAL PROTECTIVE COATING PER SPECS.
 3. MIDDLE RING OF MECHANICAL COMPRESSION COUPLING SHALL BE EPOXY COATED.



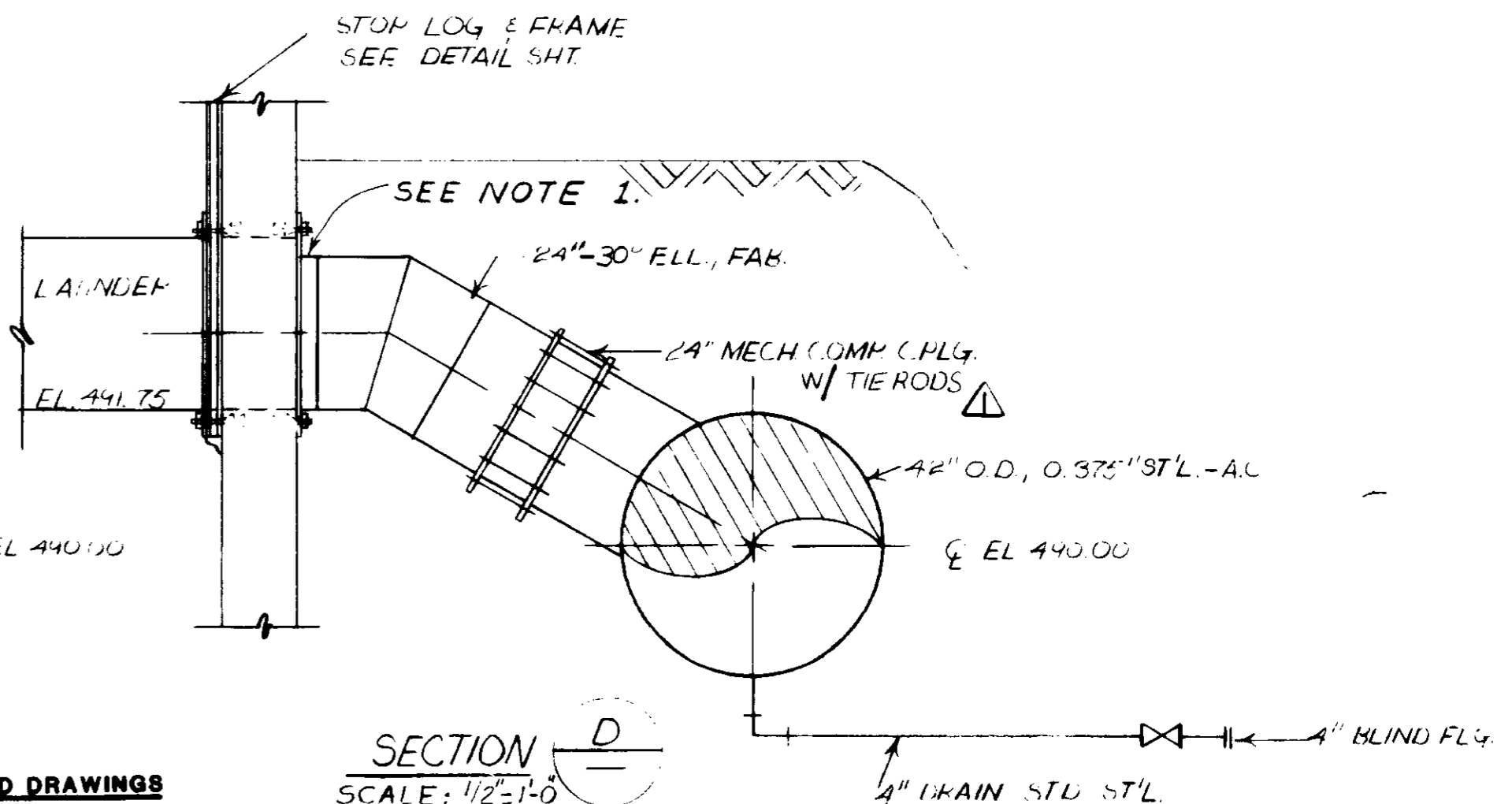
SECTION A
SCALE: 1/2=1'-0"



SECTION B
SCALE: 1/2=1'-0"



SECTION C
SCALE: 1/2=1'-0"



SECTION D
SCALE: 1/2=1'-0"

RECORD DRAWINGS

Per Field Information Provided by Morley-Ziebarth & Alper

[Signature] RCE 14038

KATSURA CONSULTING ENGINEERS March 1986

03271

REV	DATE	BY	DESCRIPTION
7-284	C.L.	REV. PER MZA & JCE	

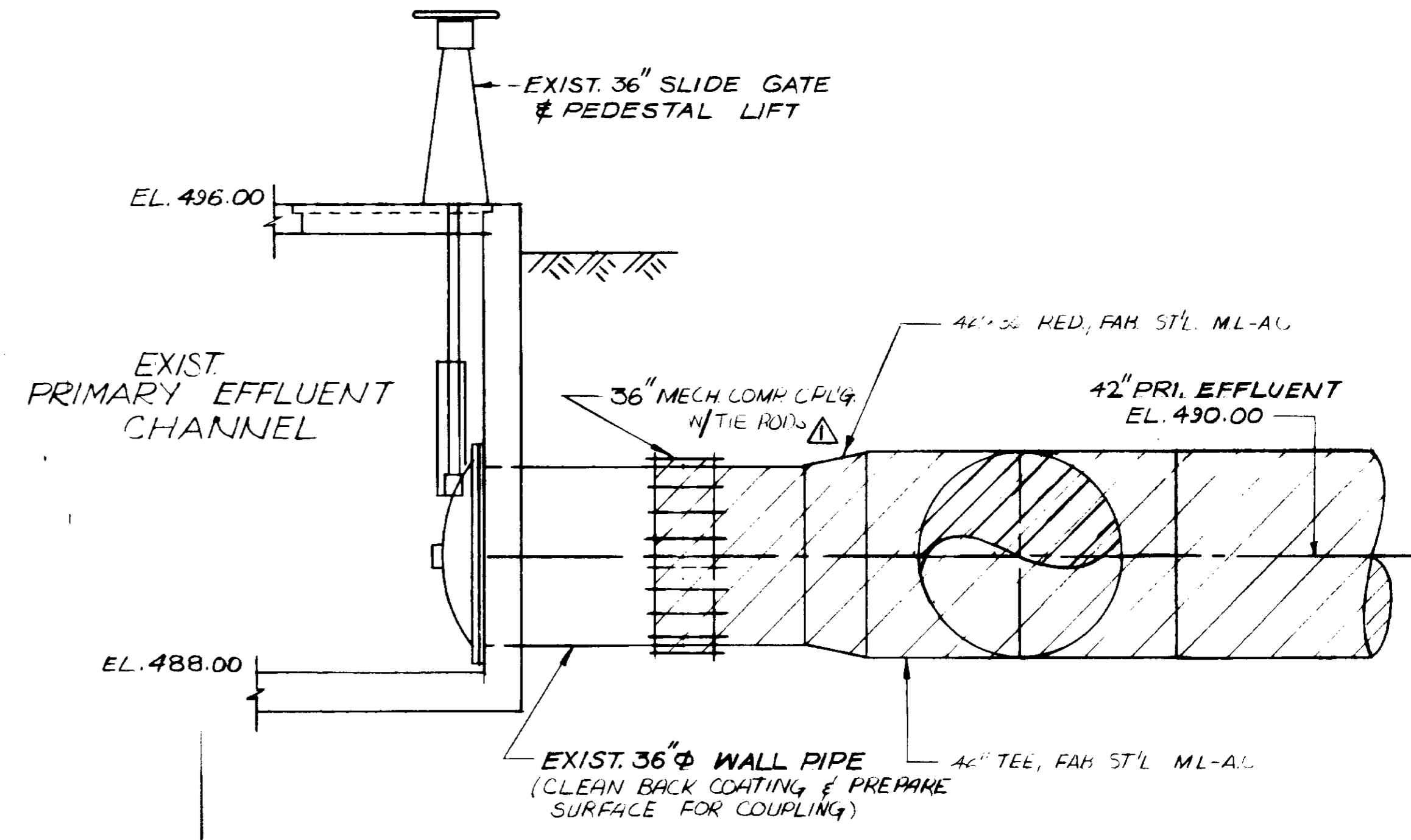
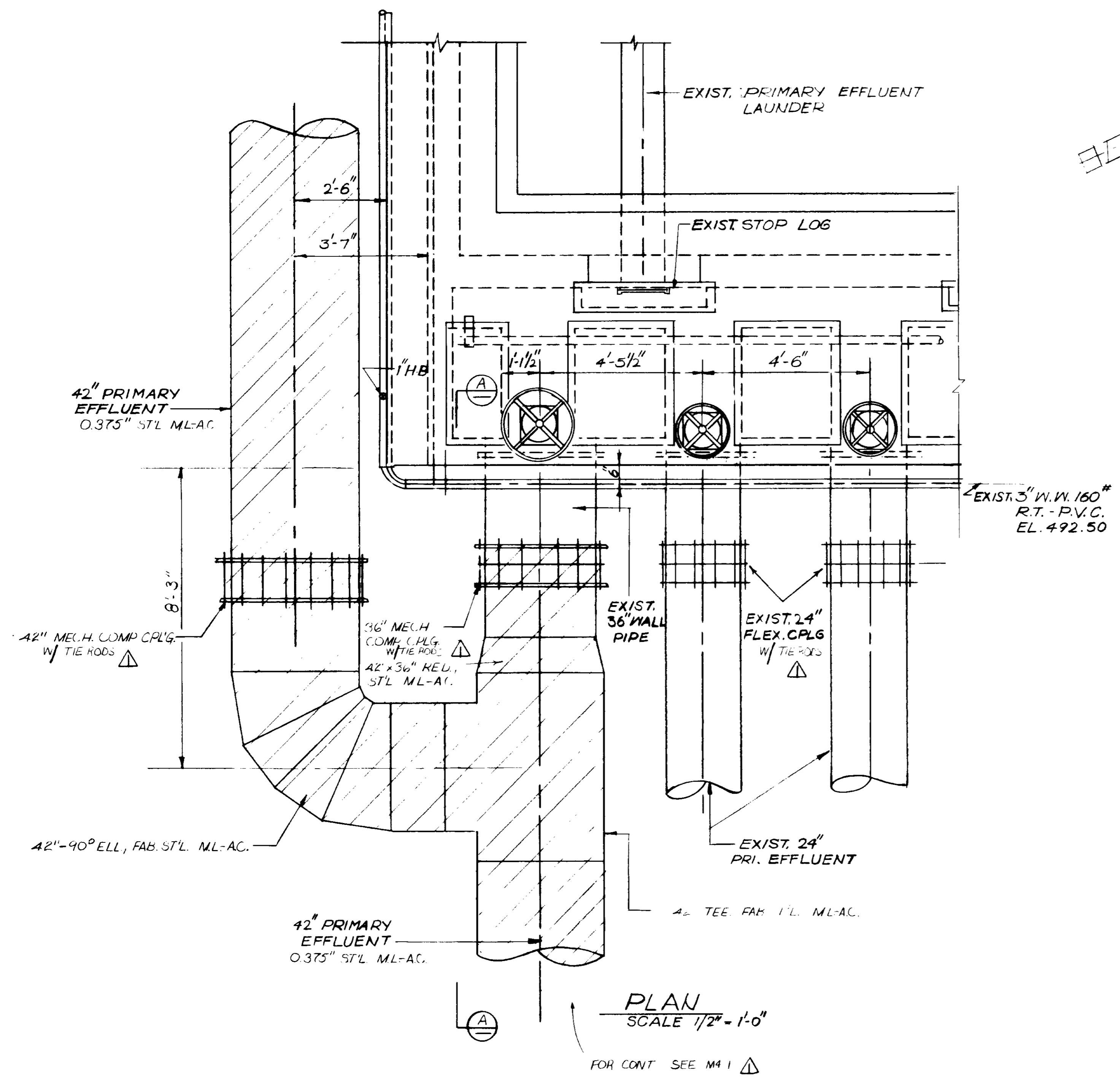
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AS NOTED	D.W.V. DRAWN
	S.K. CHECKED

SUBMITTED	14038	8/15/79
PROJECT MANAGER	R.C.E. NO.	DATE
PROJECT ADMINISTRATOR	14894	8/15/79
	R.C.E. NO.	DATE

JKE CONSULTING ENGINEERS
A JOINT VENTURE
8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 833-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
PRIMARY EFFLUENT WEST SIDE

SHEET
M3-6



SECTION A
(FIELD VERIFY END OF PIPE PRIOR TO FABRICATION)

PLAN
SCALE 1/2" = 1'-0"
FOR CONT SEE M41

03272

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alger
[Signature]
KATSURA CONSULTING ENGINEERS March 1986

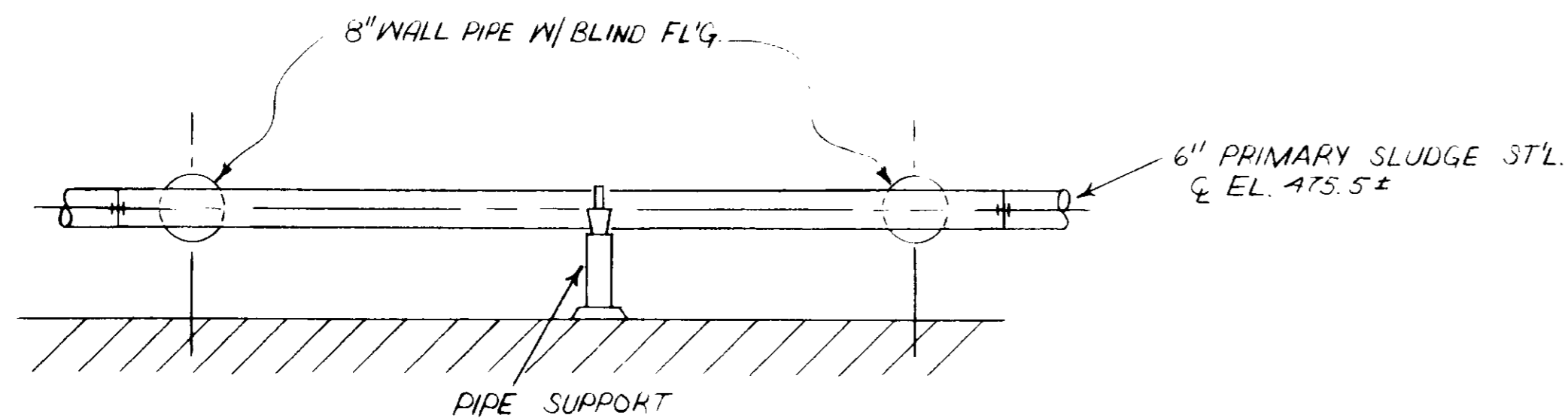
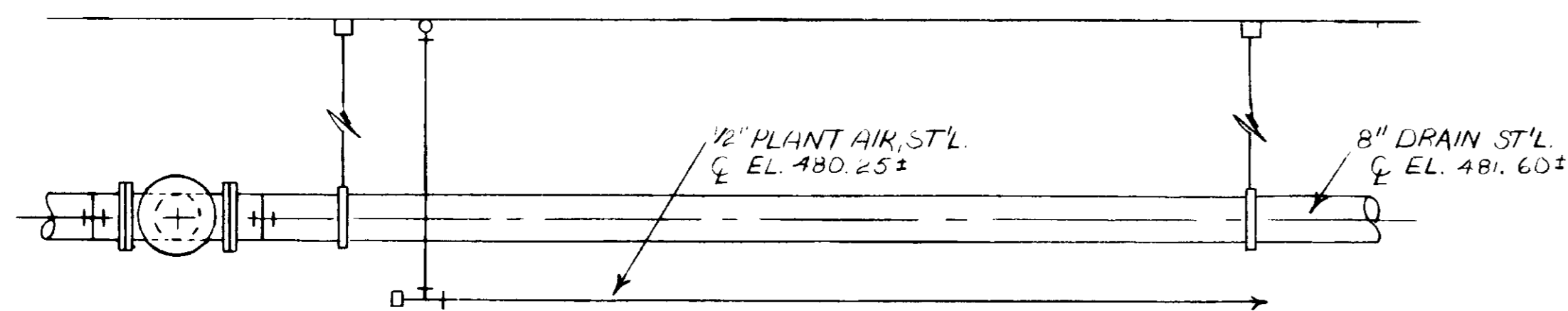
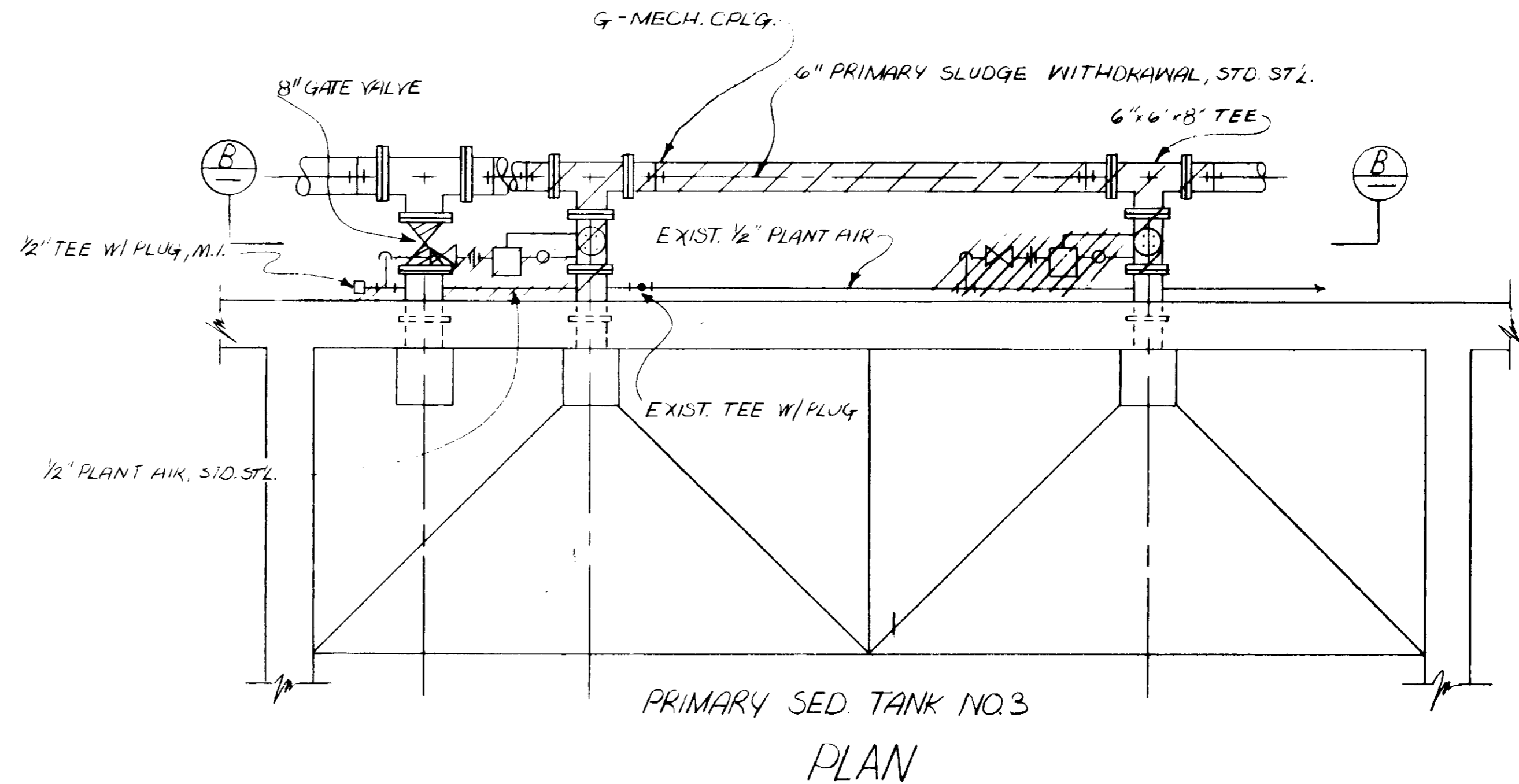
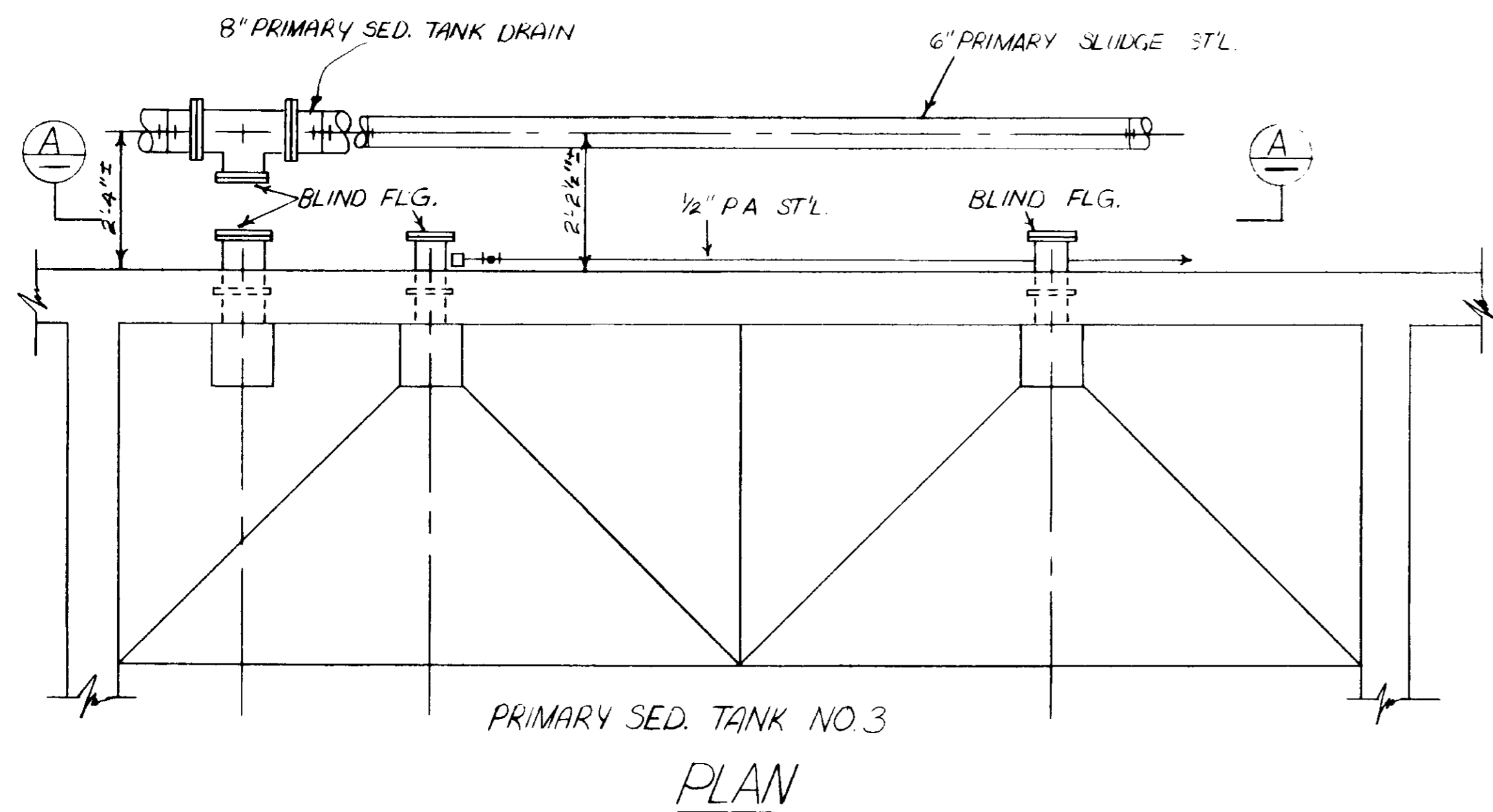
REV	DATE	BY	DESCRIPTION
7-2-84	C.L.	REV. PER MZA & JCE	

SCALE: 1/2" = 1'-0"	DWV DESIGNED	SUBMITTED	14038	8/15/79
	DIV	PROJECT MANAGER	R.C.E. NO.	DATE
	DRAWN		14894	8/15/79
	CHECKED	PROJECT ADMINISTRATOR	R.C.E. NO.	DATE

JKK CONSULTING ENGINEERS
A JOINT VENTURE
5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 833-9117

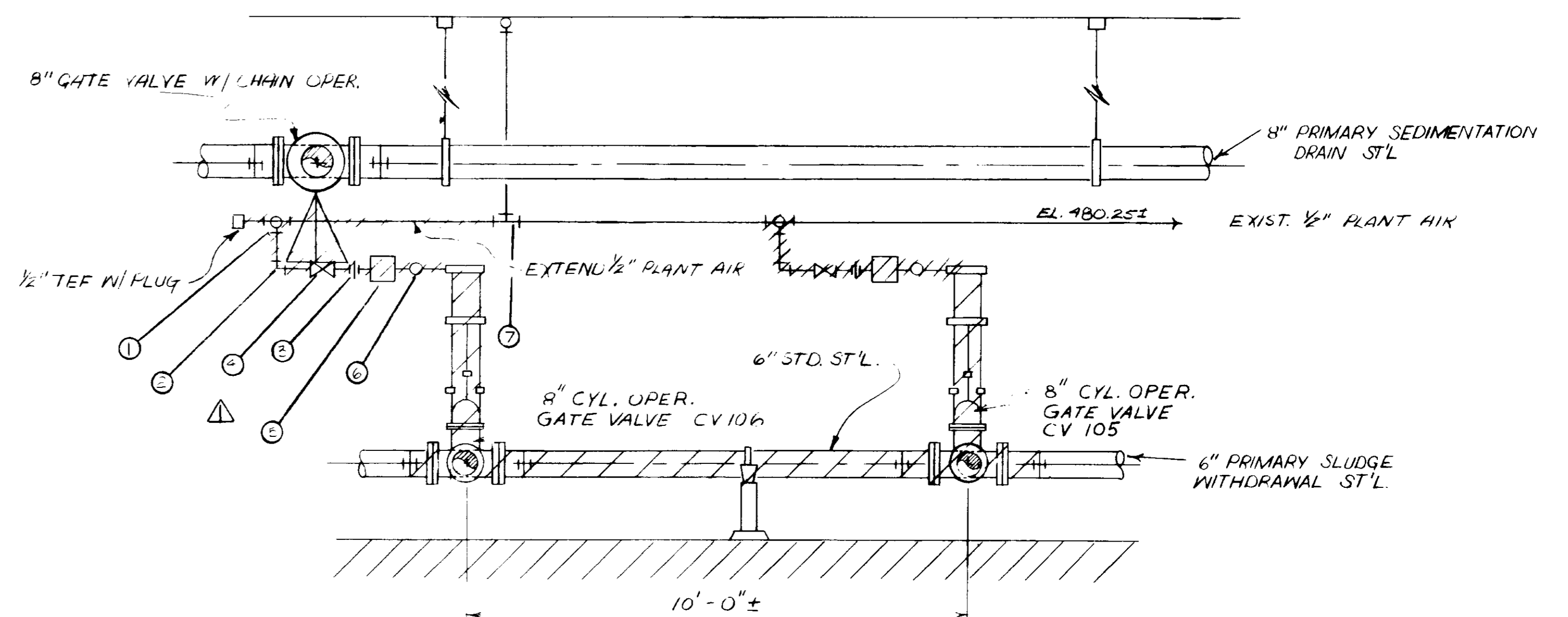
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
PRIMARY EFFLUENT EAST SIDE

SHEET
M3-7



SECTION A-A
EXISTING

- 1. TEE, M.I. SCHWID #150-PER LINE SIZE
- 2. 90° EL. FITTING, DITTO
- 3. UNION, DITTO
- 4. 1/4" GLOBE VALVE
- 5. 1/4" 4-WAY SOL. VALVE
- 6. PRESSURE REGULATOR, SEE SPECS.
- 7. REMOVE EXIST. PLUG & CONNECT NEW PIPE



SECTION B-B
PROPOSED

NOTE: SEE SPECS. FOR CONNECTION REQUIREMENTS
SEE SK-M3-B

03273

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

[Signature] RCE 14028
MARCH 1986
KATSURA CONSULTING ENGINEERS

REV	DATE	BY	DESCRIPTION

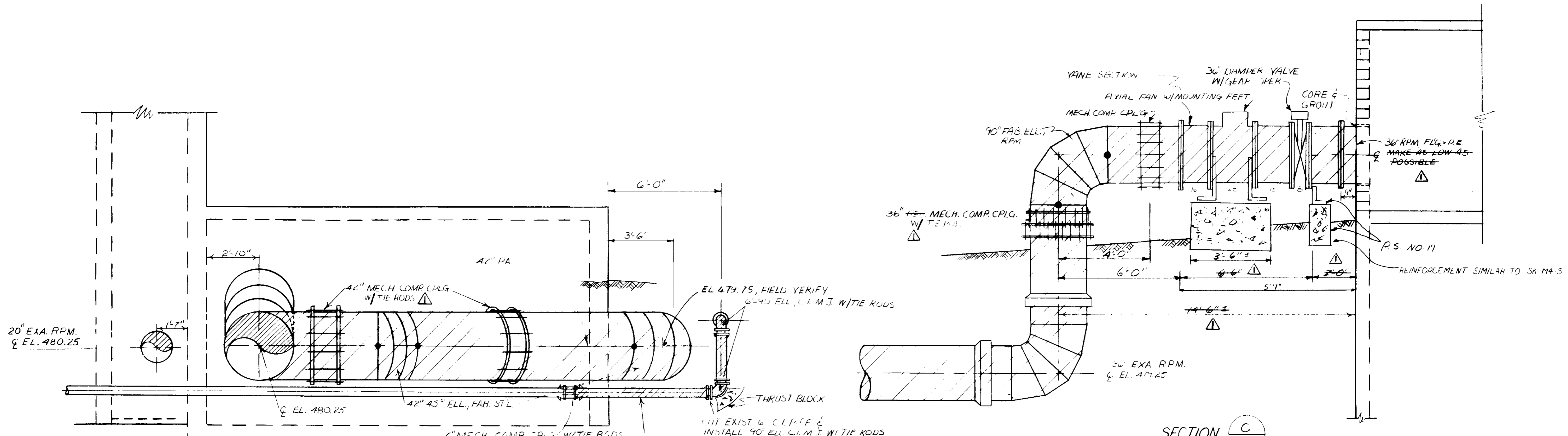
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1/2" = 1'-0"	AAA
	DRAWN
	SK
	CHECKED

SUBMITTAL	14038	8/15/79
DESIGNED		
PROJECT MANAGER	R.C.E. NO.	DATE
	14884	8/15/79
PROJECT ADMINISTRATOR	R.C.E. NO.	DATE

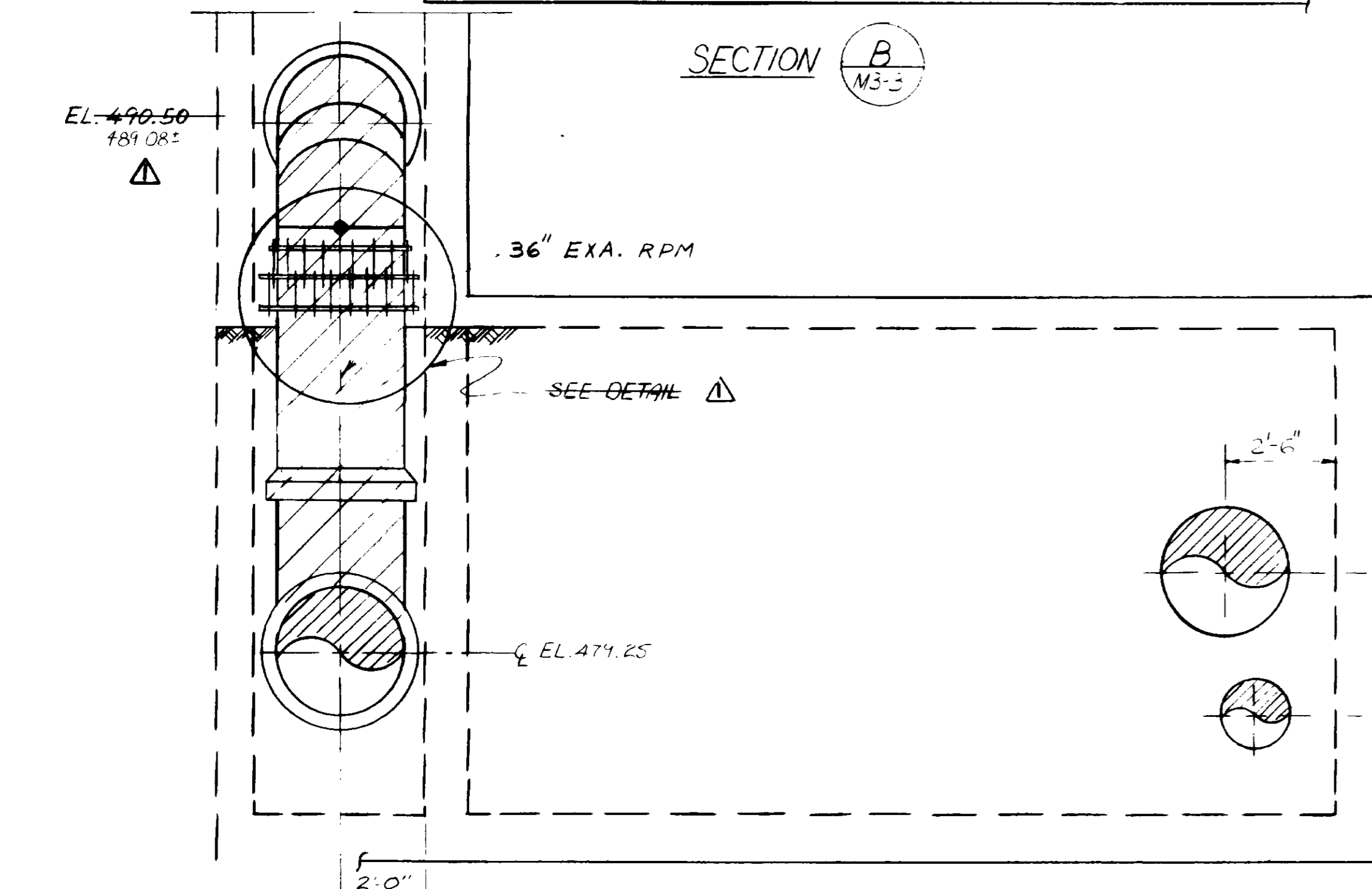
JKE CONSULTING ENGINEERS
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8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
PRIMARY SLUDGE WITHDRAWAL & DRAIN
DETAILS

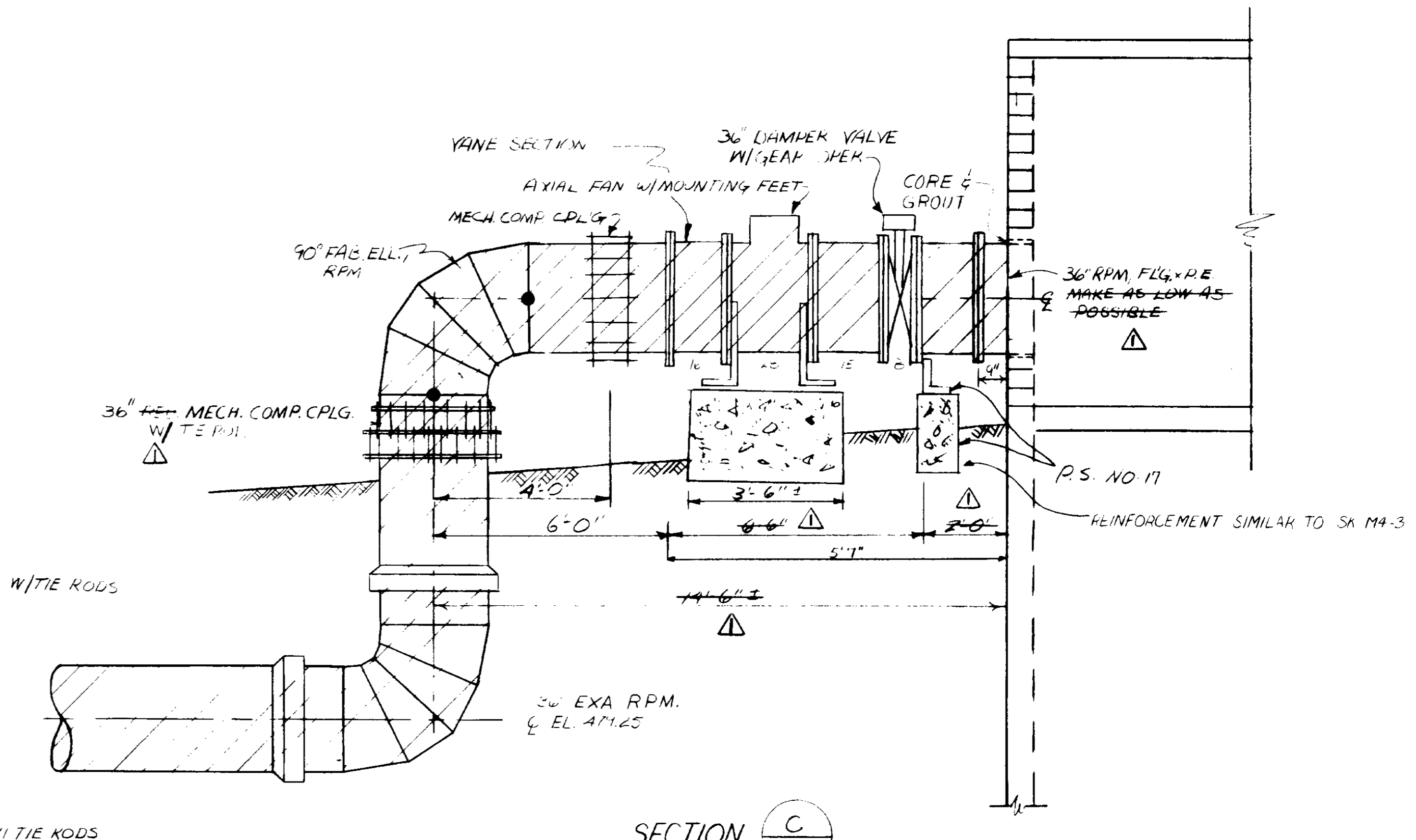
SHEET
M3-8



SECTION B
M3-3

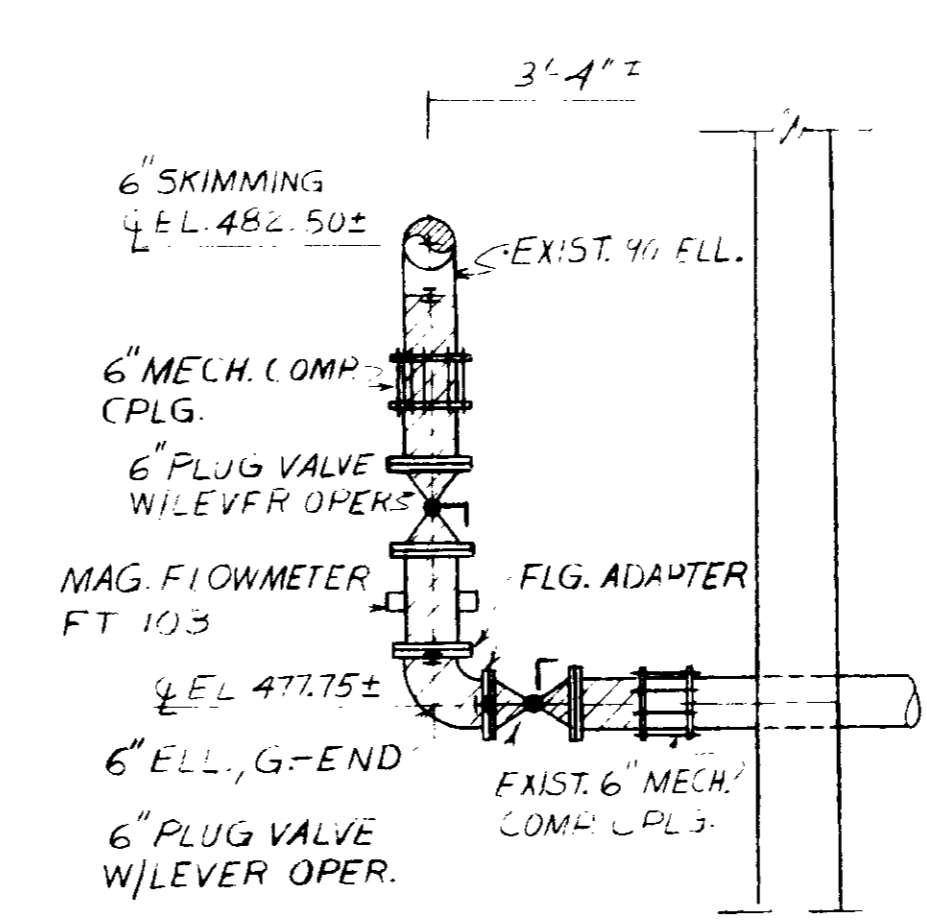


SECTION D
M3-3



SECTION C
M3-3
NO SCALE

*VERIFY FAN FOUNDATION DIMENSIONS W/MFR. REQUIREMENTS



SECTION E
SCALE: 1/2"=1'-0" M3-3

*VERIFY DIMENSION IN FIELD

03274

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
 RCE 14088
 KATSURA CONSULTING ENGINEERS March 1985

REV	DATE	BY	DESCRIPTION

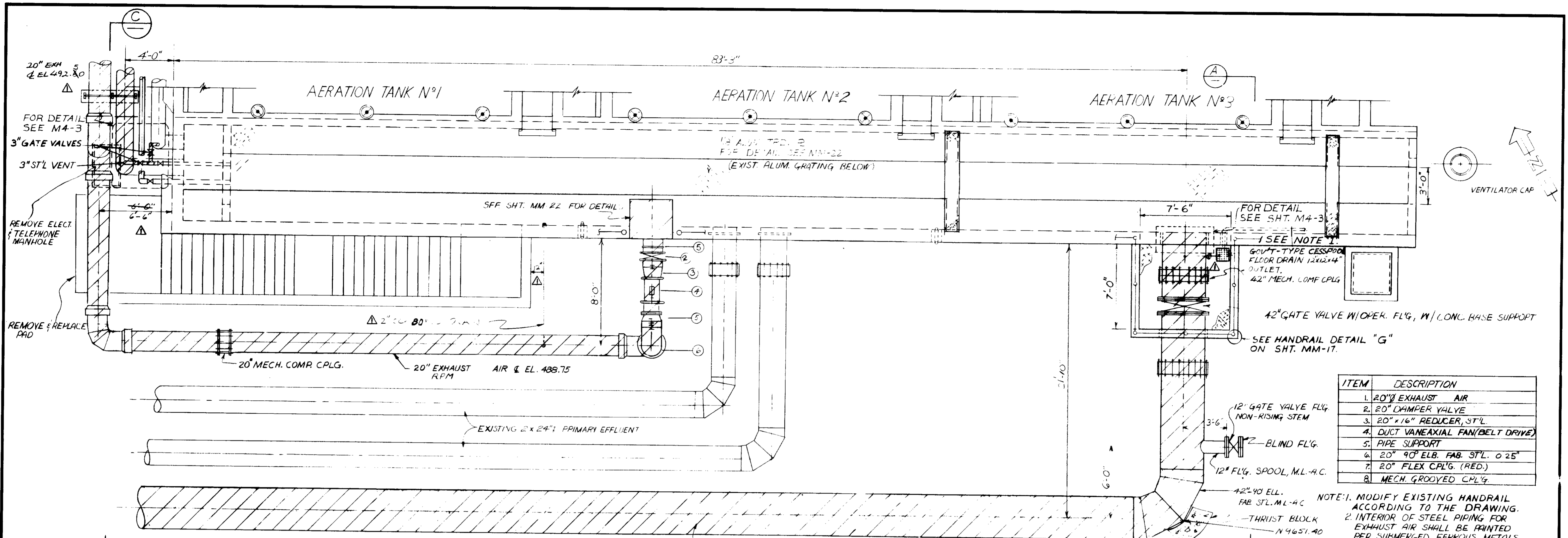
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3/8" = 1' 0"	J.K.
UNLESS NOTED OTHERWISE	DRAWN
	S.K.
	CHECKED

SUBMITTED	14038	8/15/79
DESIGNED	J.K.	
PROJECT MANAGER		
DRAWN		
CHECKED		
PROJECT ADMINISTRATOR	14884	8/15/79

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 A JOINT VENTURE
 6601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 833-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 PIPE CONNECTION DETAILS

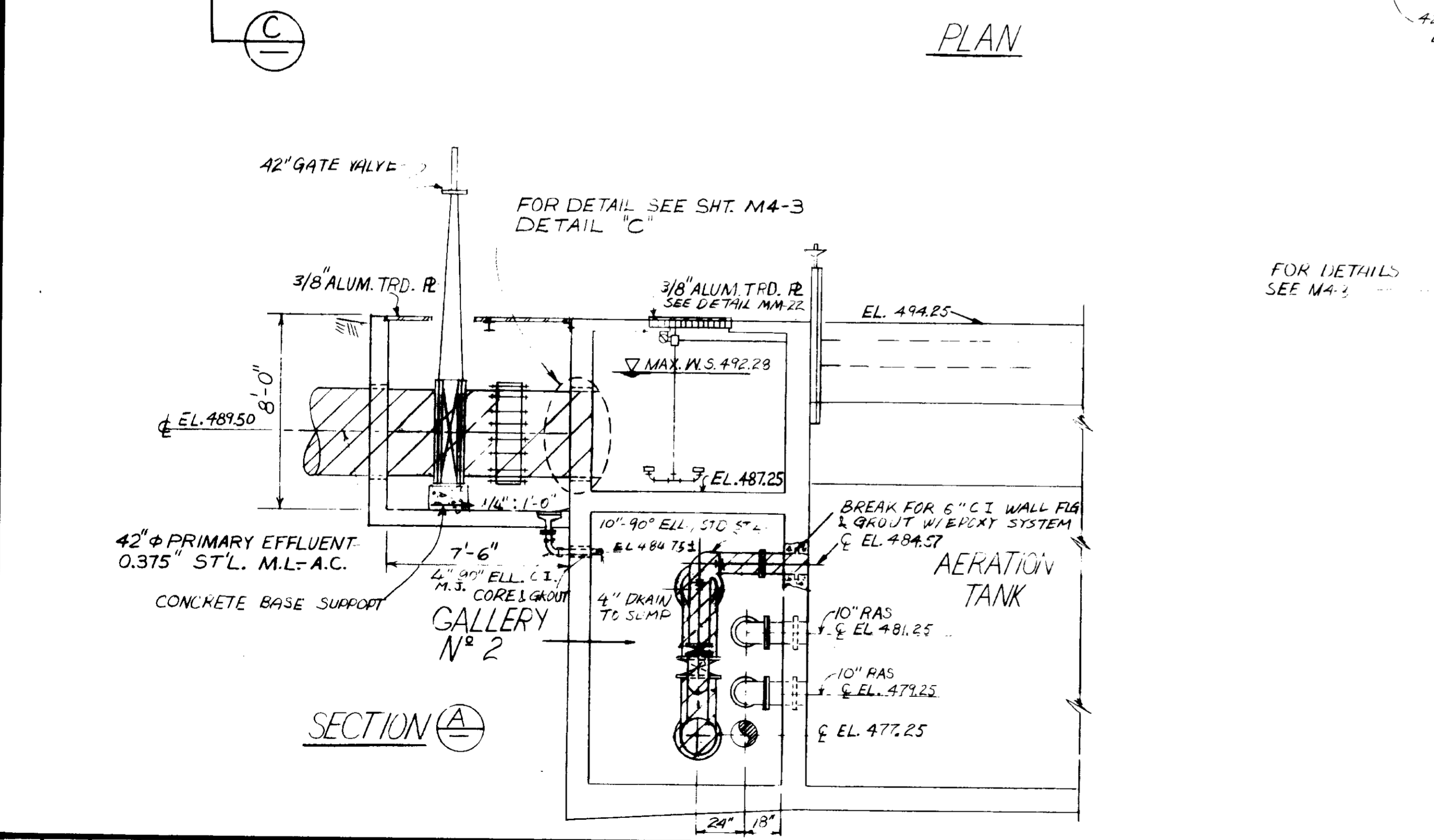
SHEET
M3-9



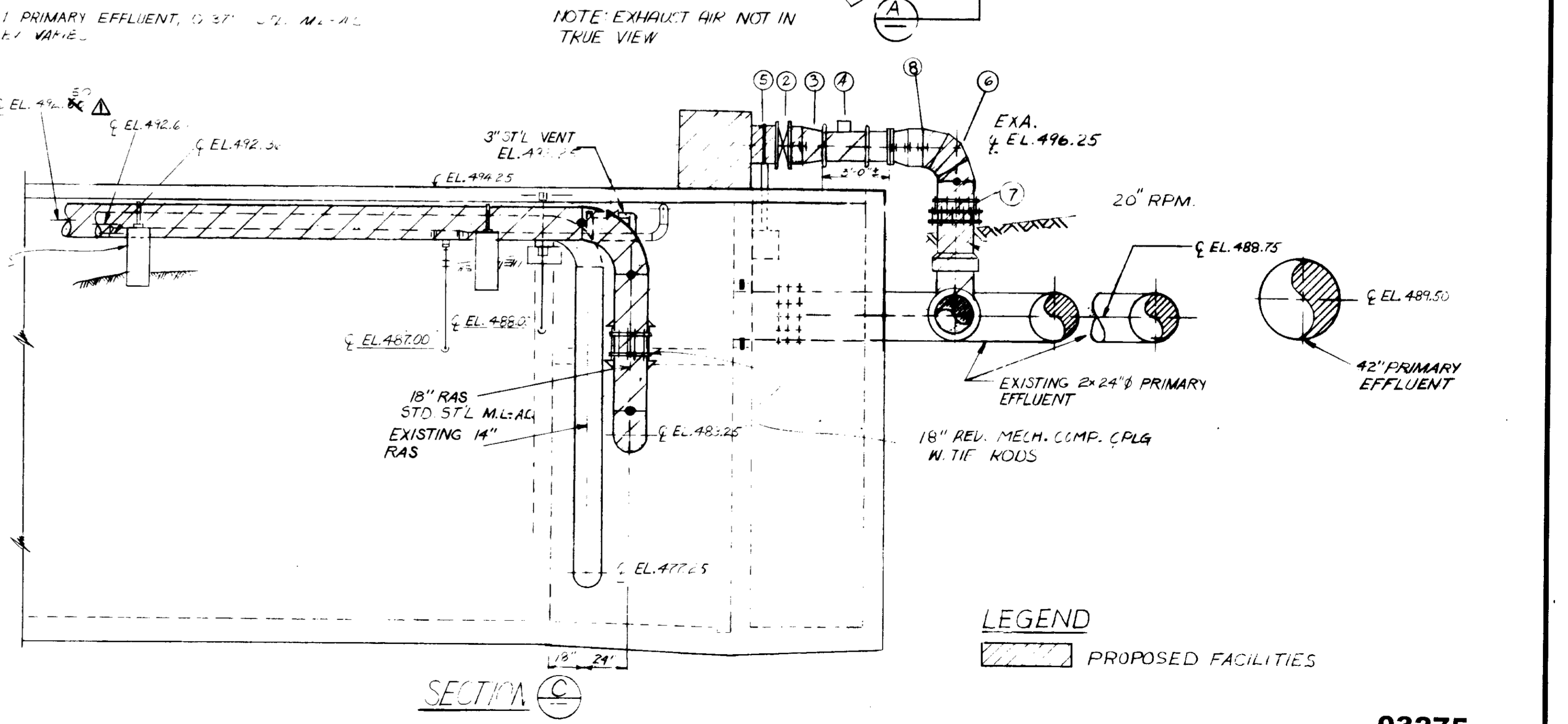
PLAN

ITEM	DESCRIPTION
1.	20" EXHAUST AIR
2.	20" DAMPER VALVE
3.	20" x 16" REDUCER, ST'L.
4.	DUCT VANE AXIAL FAN (BELT DRIVE)
5.	PIPE SUPPORT
6.	20" 90° ELB. FAB. ST'L. 0.25"
7.	20" FLEX CPL'G. (RED.)
8.	MECH. GROOVED CPL'G.

NOTE: 1. MODIFY EXISTING HANDRAIL ACCORDING TO THE DRAWING.
 2. INTERIOR OF STEEL PIPING FOR EXHAUST AIR SHALL BE PAINTED PER SUBMERGED FERROUS METALS.



SECTION A-A



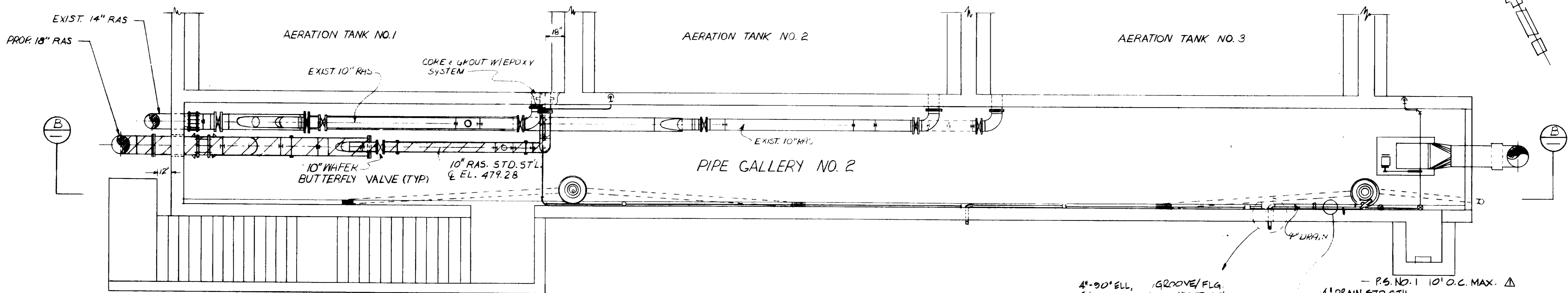
SECTION C-C

LEGEND

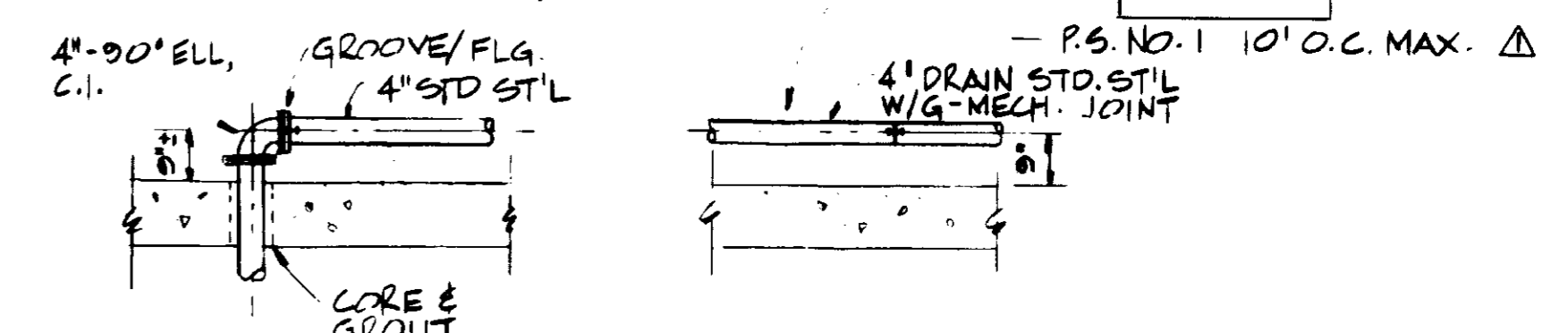
PROPOSED FACILITIES

03275

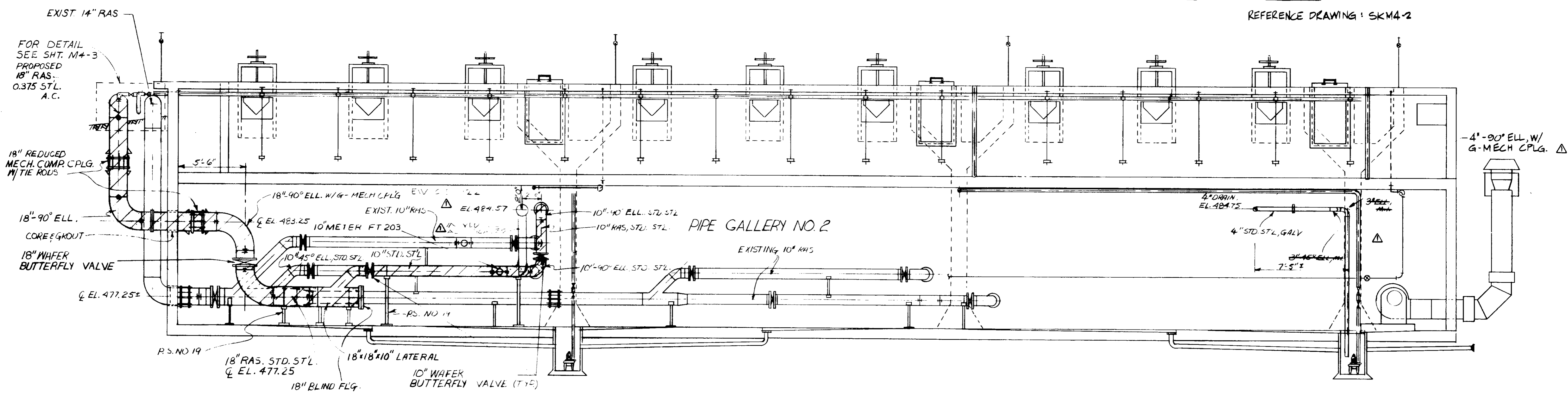
SCALE: 1" = 1'-0" DWY DESIGNED: AAA DRAWN: S.K. CHECKED:		SUBMITTED: <i>[Signature]</i> 14038 8/15/79 PROJECT MANAGER: R.C.E. NO. DATE PROJECT ADMINISTRATOR: <i>[Signature]</i> 14884 8/15/79 R.C.E. NO. DATE		J&K CONSULTING ENGINEERS A JOINT VENTURE 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 938-9117		LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. CHANNEL & GALLERY NO. 2 & VICINITY PROPOSED IMPROVEMENTS		SHEET M4-1
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PLAN



DETAIL
REFERENCE DRAWING: SKM4-2



SECTION B-B

03276

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

[Signature] RCE 14038

KATSURA CONSULTING ENGINEERS March 1986

REV	DATE	BY	DESCRIPTION

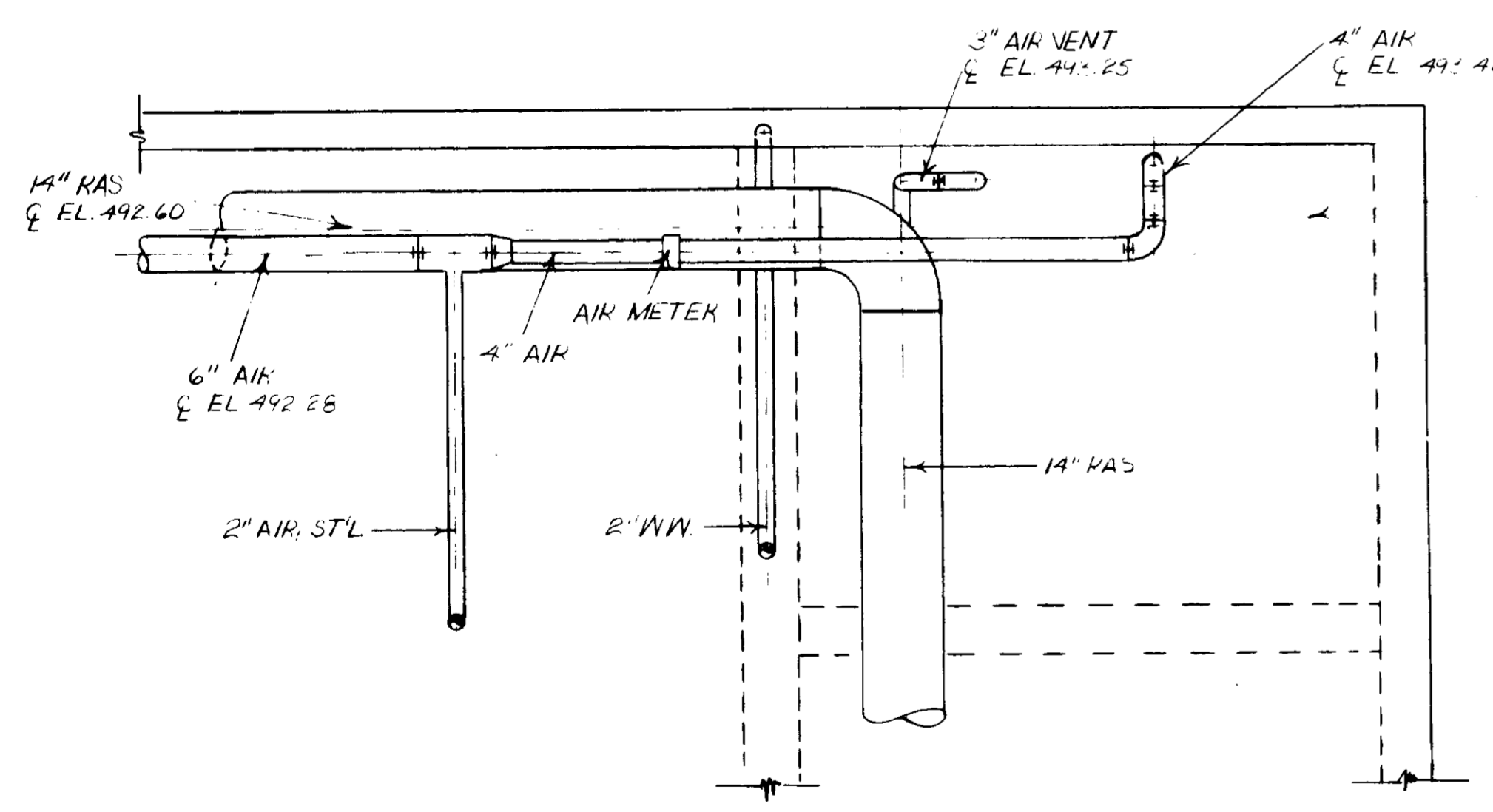
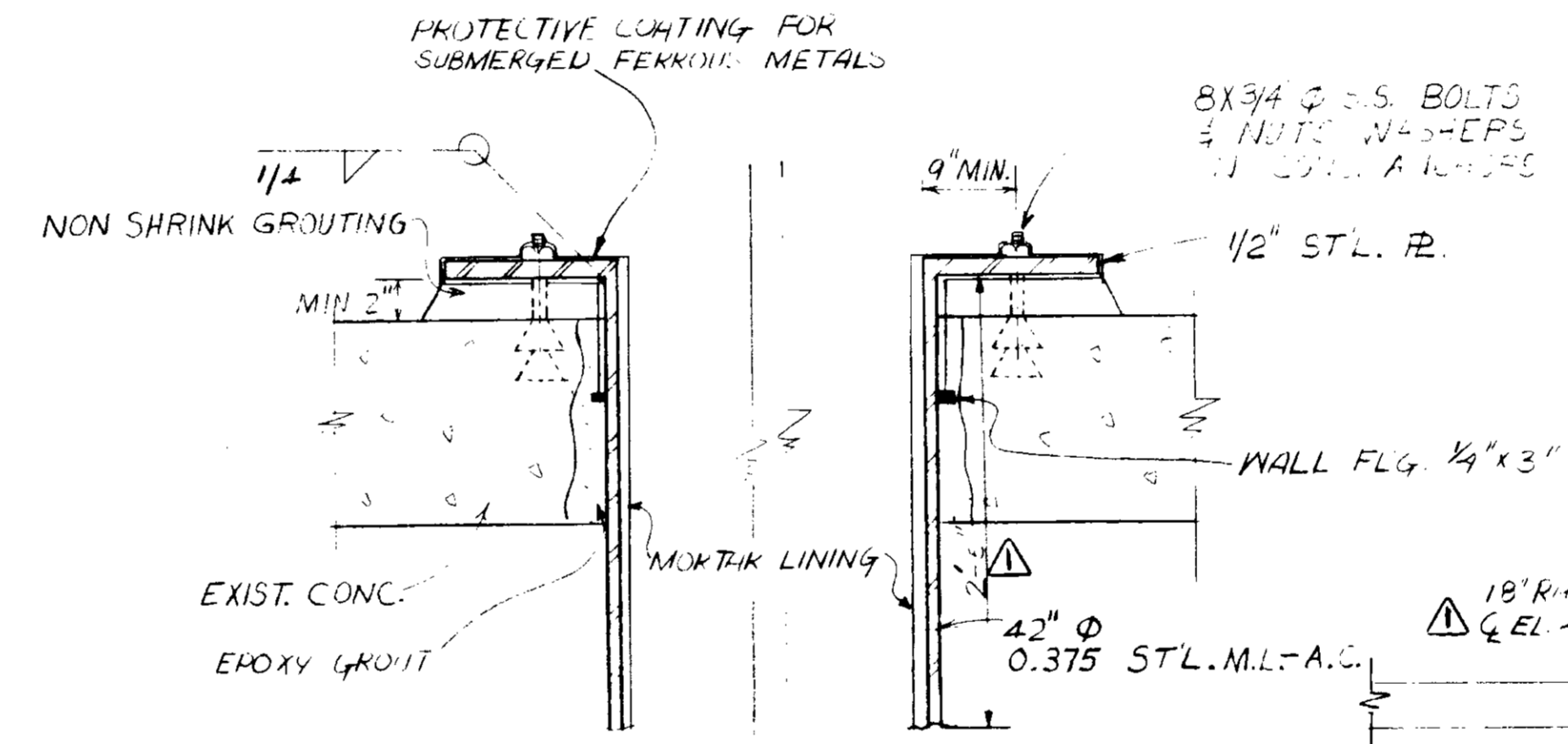
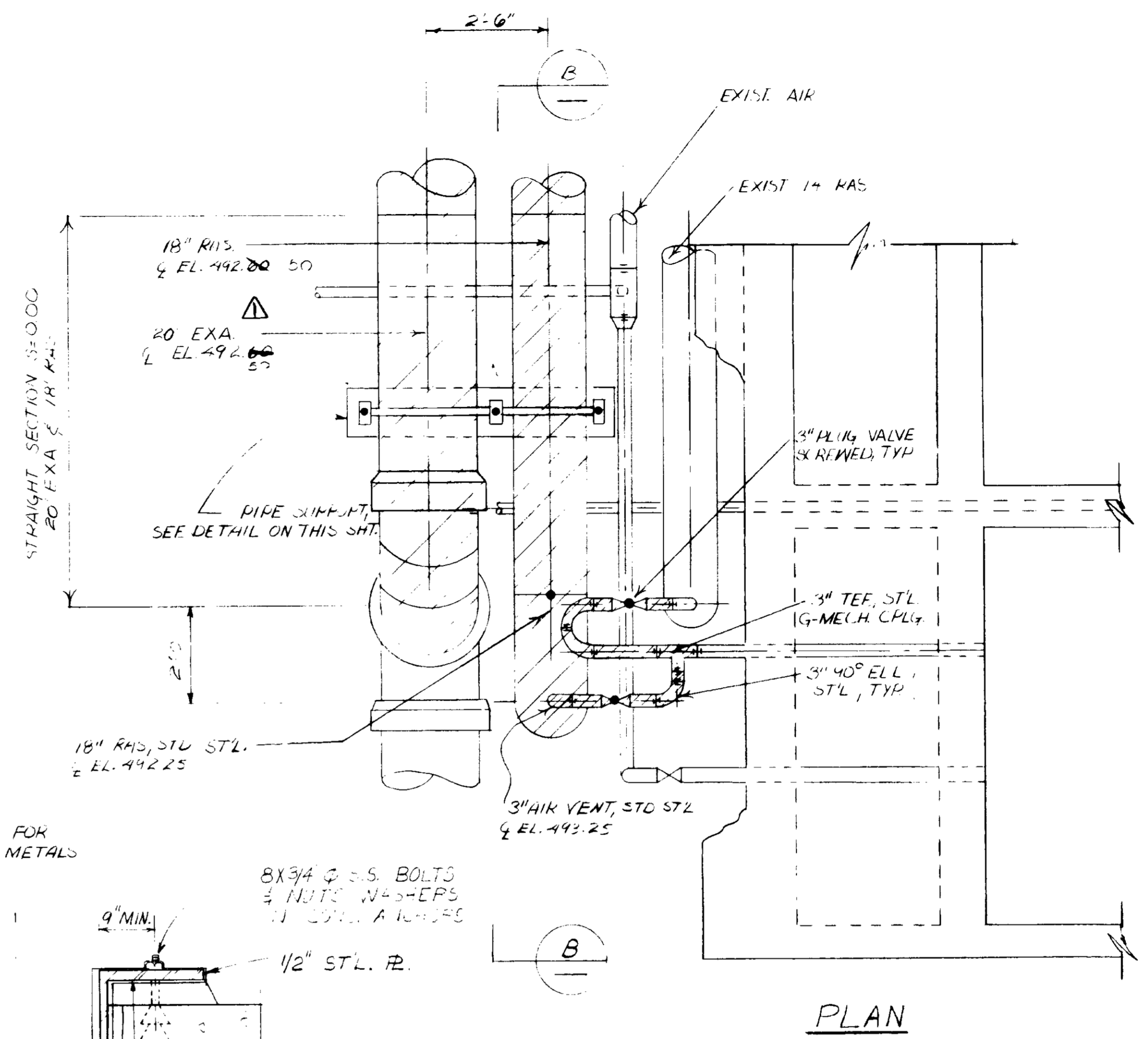
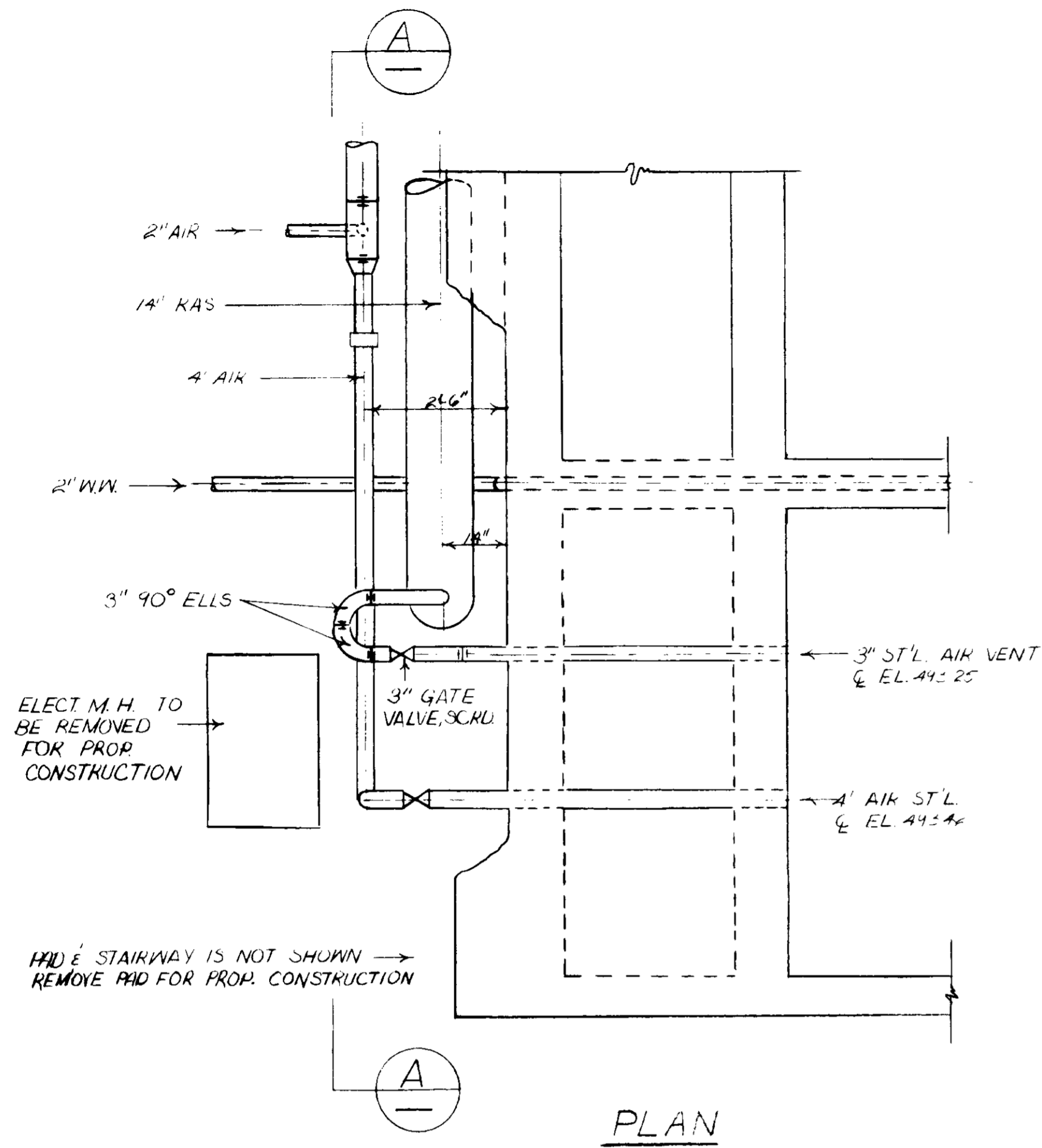
SCALE :	D.W.V.
1/4" = 1'-0"	DESIGNED
	M.P.
	DRAWN
	S.K.
	CHECKED

SUBMITTAL	14038	8/15/79
PROJECT MANAGER	R.C.E. NO.	DATE
PROJECT ADMINISTRATOR	14894	8/15/79
	R.C.E. NO.	DATE

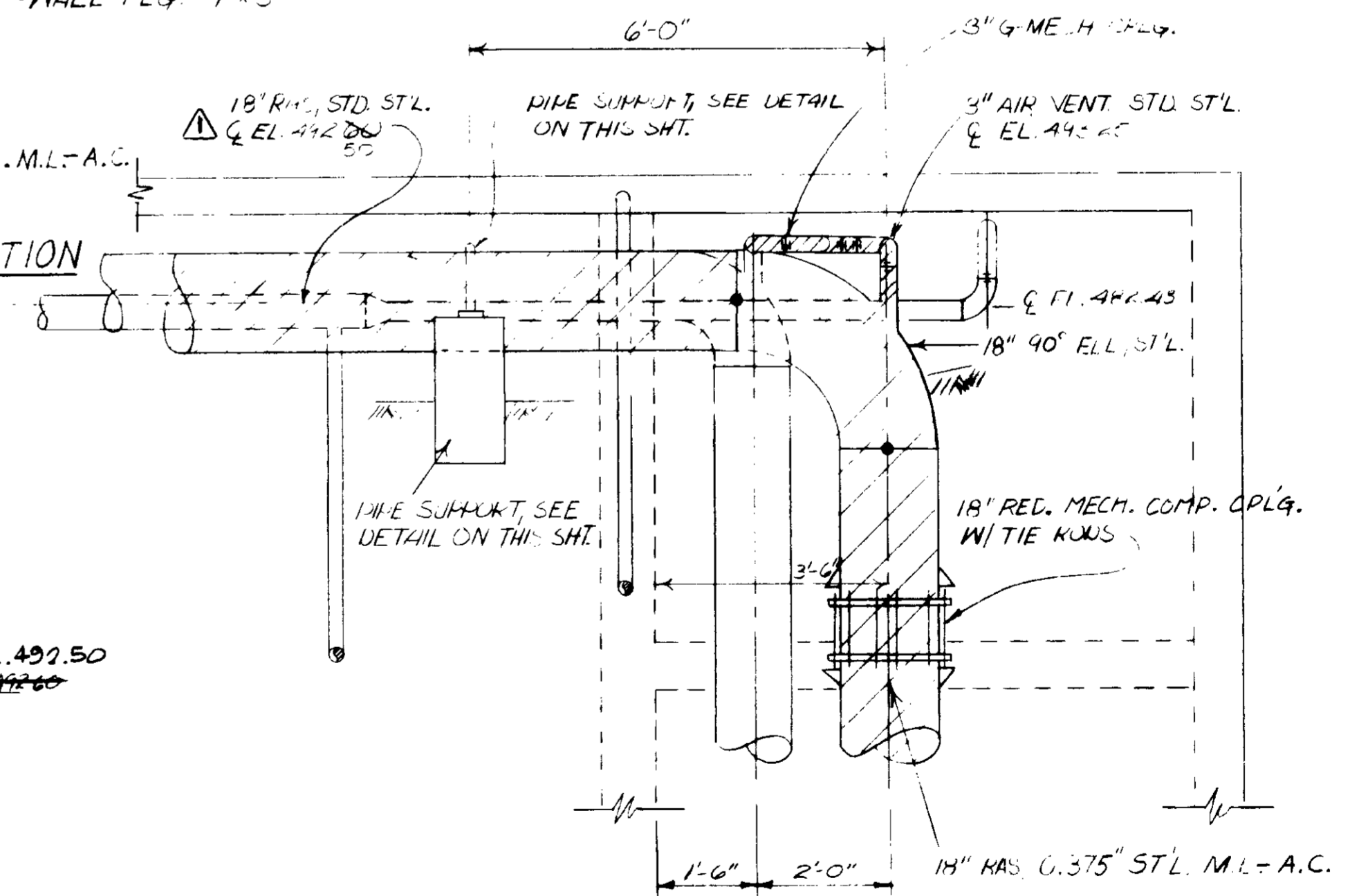
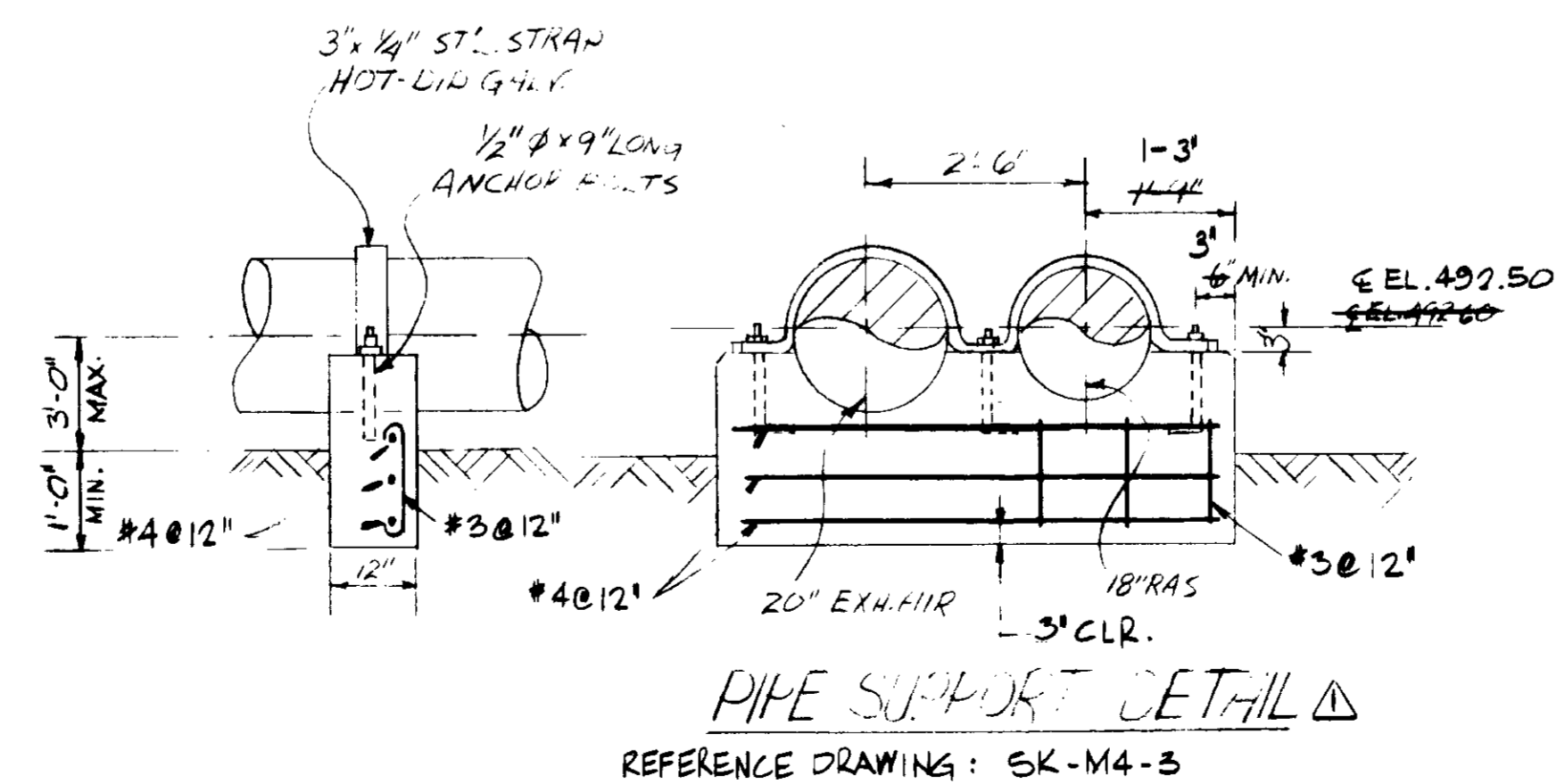
J&K CONSULTING ENGINEERS
A JOINT VENTURE
8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
GALLERY NO. 2
PROPOSED IMPROVEMENTS

SHEET
M4-2



STAIRWAY IS NOT SHOWN



03277

RECORD DRAWINGS

Per Field Information Provided by Morley-Ziebarth & Alper

Yoshitomo RCE 14038
KATSURA CONSULTING ENGINEERS March 1985

REV	DATE	BY	DESCRIPTION

SCALE	DESIGNED	5/3/84	CS
1/2" = 1'-0"	DRAWN	REV. PER	MZA-JCE
UNLESS NOTED OTHERWISE	CHECKED		

SUBMITTED	14038	8/15/79
PROJECT MANAGER	R.C.E. NO.	DATE
PROJECT ADMINISTRATOR	14884	8/15/79
	R.C.E. NO.	DATE

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A JOINT VENTURE
8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 833-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
PIPE CONNECTION DETAILS

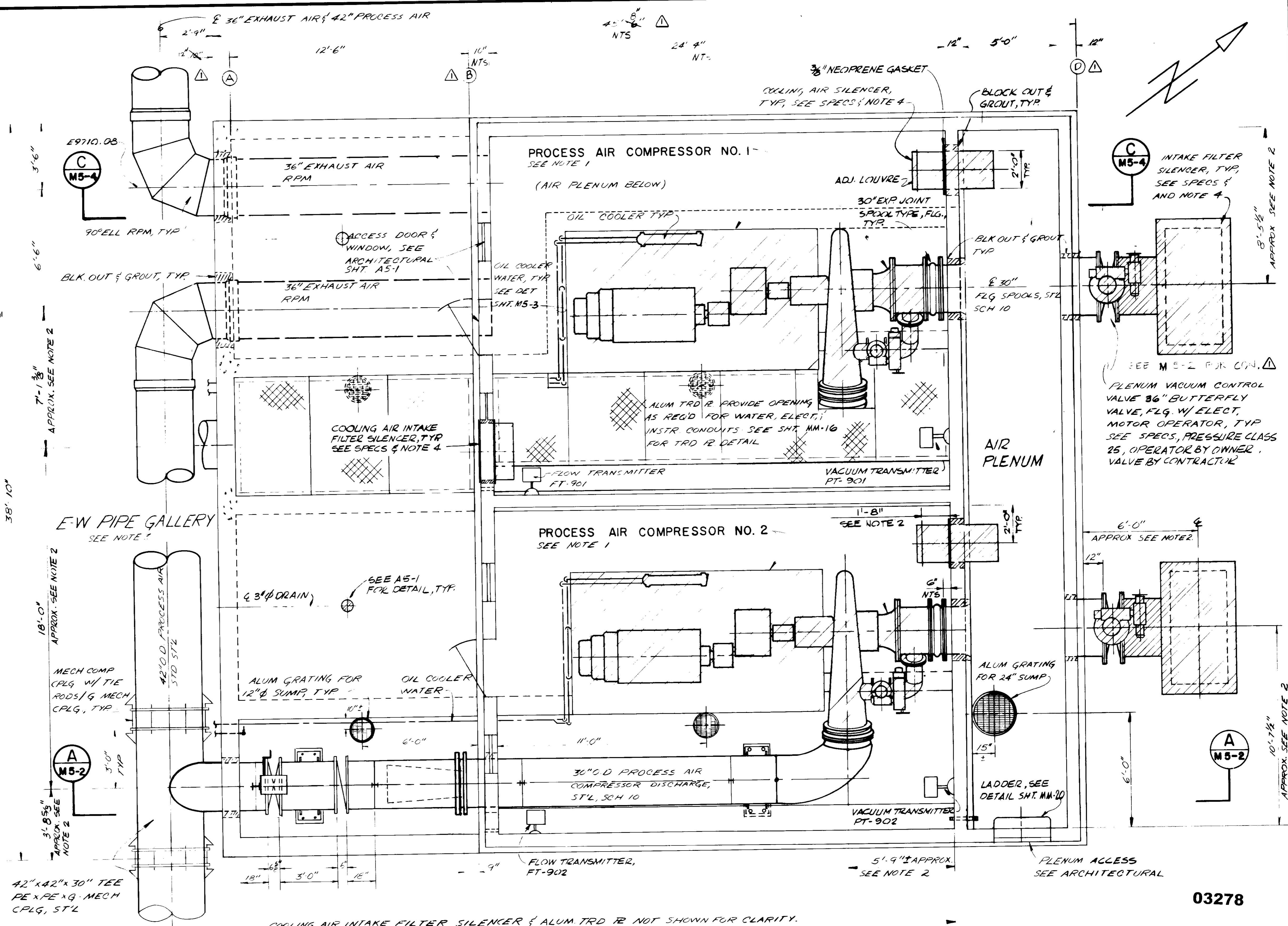
SHEET
M4-3

NOTES

1. PROCESS AIR COMPRESSOR TO BE FURNISHED BY DISTRICT TO CONTRACTOR FOR INSTALLATION. SEE SPECS
2. CONTRACTOR SHALL VERIFY DIMENSIONS
3. GALLERY SLAB, PIPE SUPPORTS, OTHER GALLERY PIPING, ELECTRICAL & APPURTENANCES NOT SHOWN. SEE YARD PIPING AND ELECTRICAL DRAWINGS
4. SILENCER CONFIGURATION SCHEMATICALLY SHOWN.

▲ "SEE YP-10 FOR PIPING DETAILS IN E-W PIPE GALLERY"

FOR CONTINUATION SEE SHT. YP-10



COOLING AIR INTAKE FILTER SILENCER & ALUM TRD R NOT SHOWN FOR CLARITY. SEE SECTION FOR PIPING CALLOUT.

PLAN
N.T.S.

03278

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Algor
[Signature]
 RCE 14088
 KATSURA CONSULTING ENGINEERS March 1988

REV	DATE	BY	DESCRIPTION

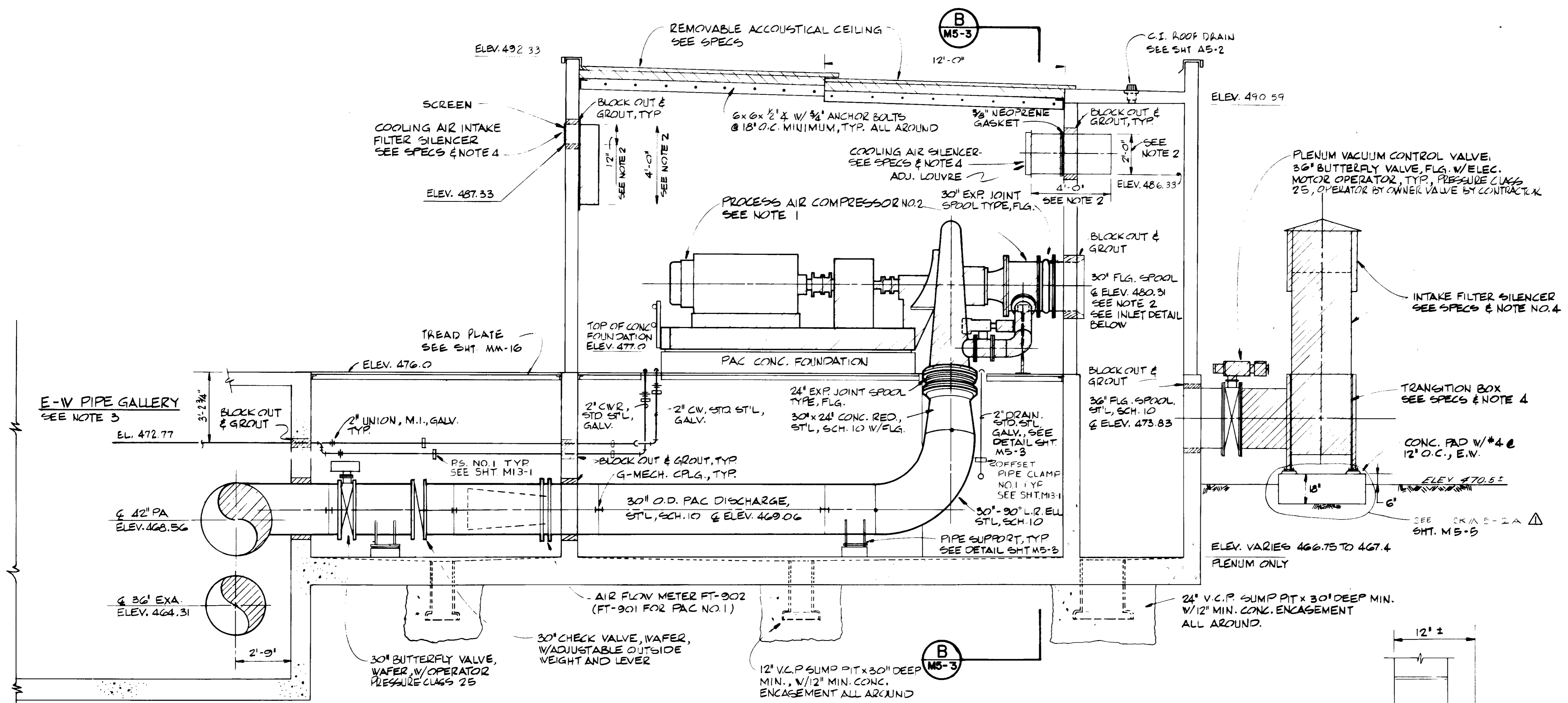
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3/8" = 1'-0"							

SUBMITTED	14038	8-15-79
DESIGNED	G. WINKLER	R.C.E. NO.
DRAWN	Y. KATSURA	8-15-79
CHECKED		

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 A JOINT VENTURE
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LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 PROCESS AIR COMPRESSOR — PLAN

SHEET
M5-1



ELEVATION — SECTION
NOT TO SCALE

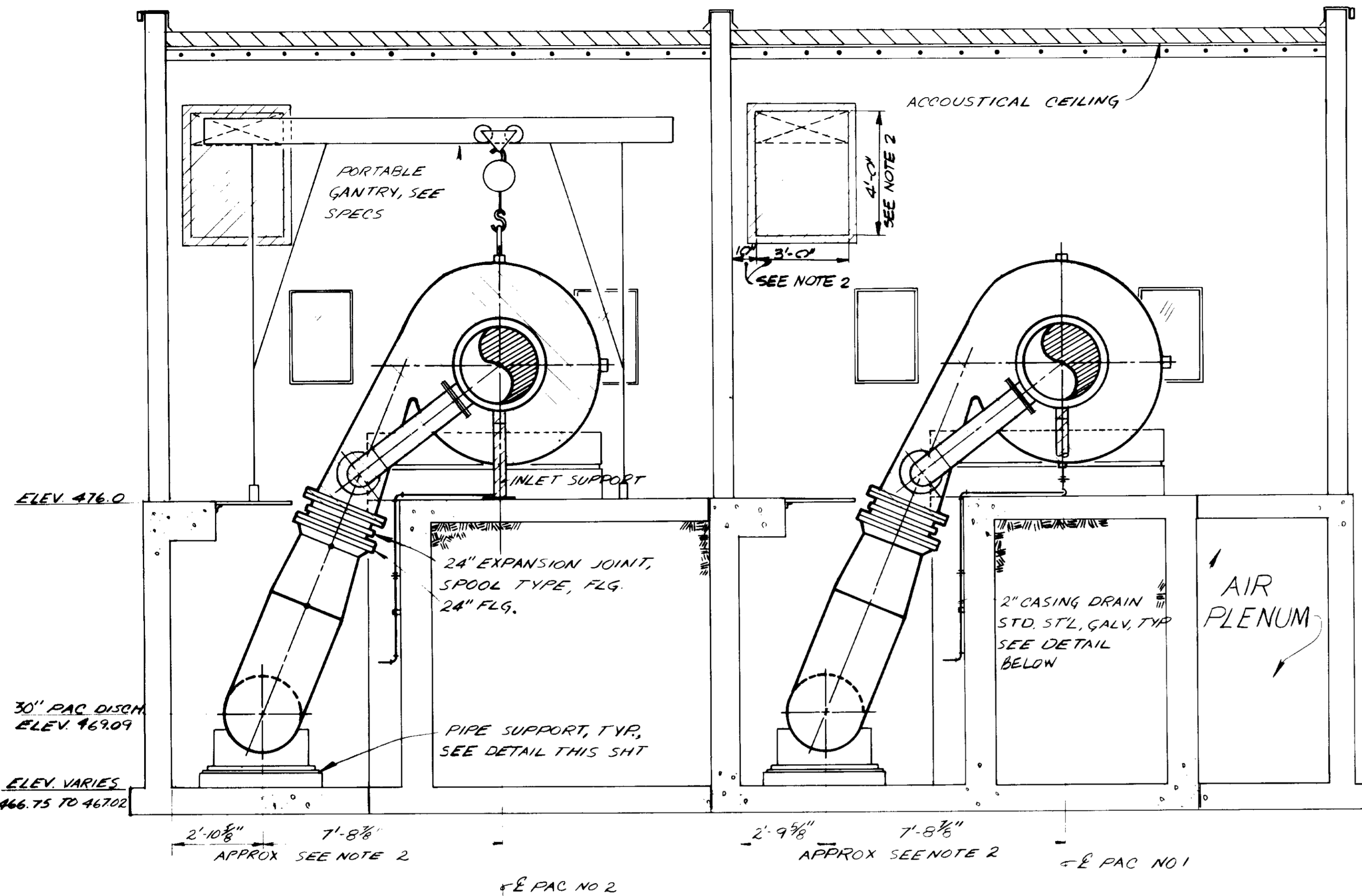
INLET DETAIL
NOT TO SCALE

RECORD DRAWINGS

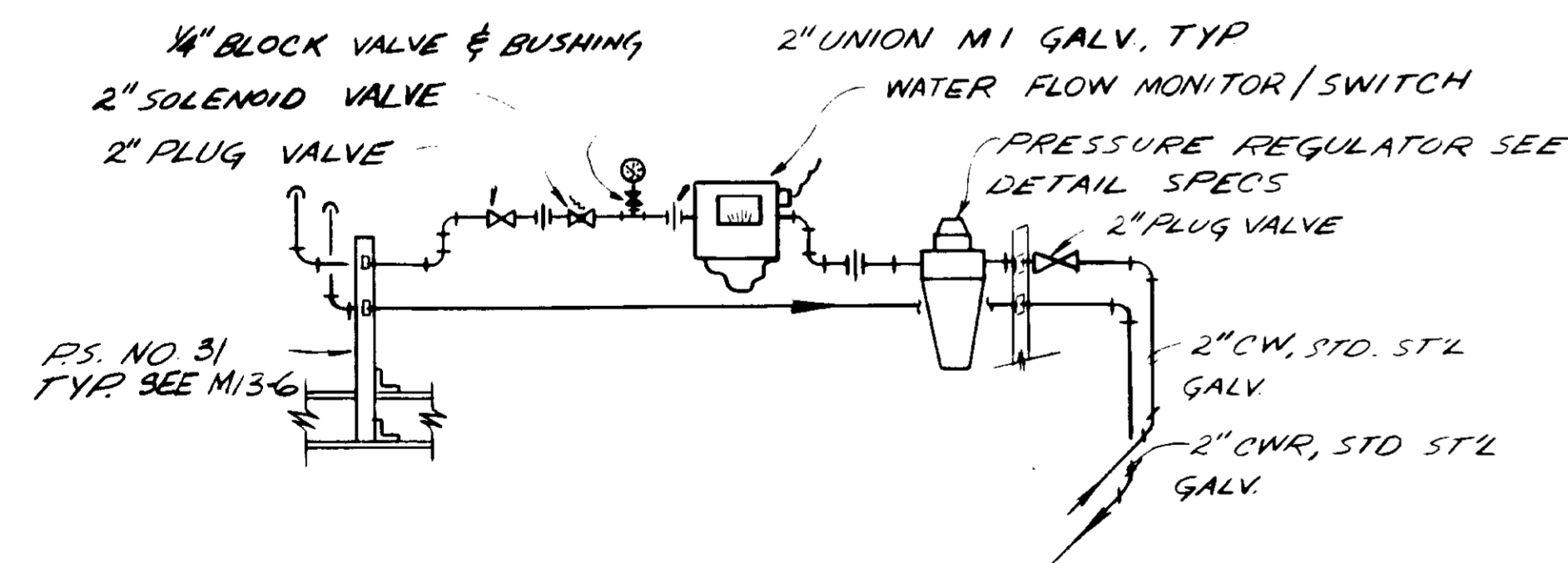
Per Field Information Provided By Morley-Ziebarth & Alper
Y. Katsura
 KATSURA CONSULTING ENGINEERS RCE 14038
 March 1985

03279

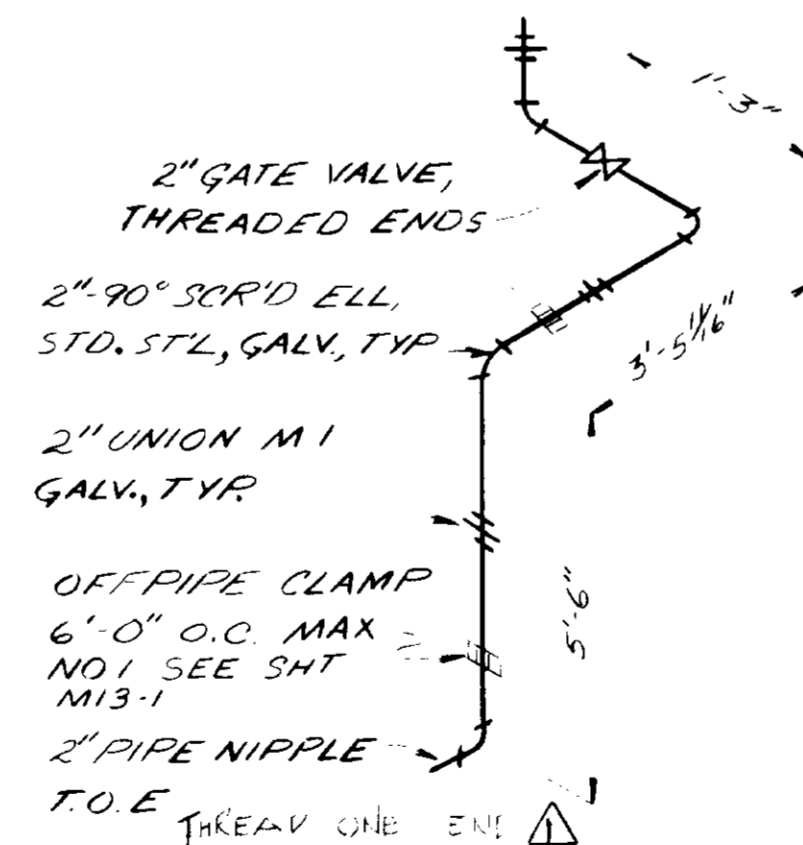
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REV	DATE	BY	DESCRIPTION	PROJECT ADMINISTRATOR : <i>Y. Katsura</i>	14894	8-15-79			



SECTION B
3/8" = 1'-0"

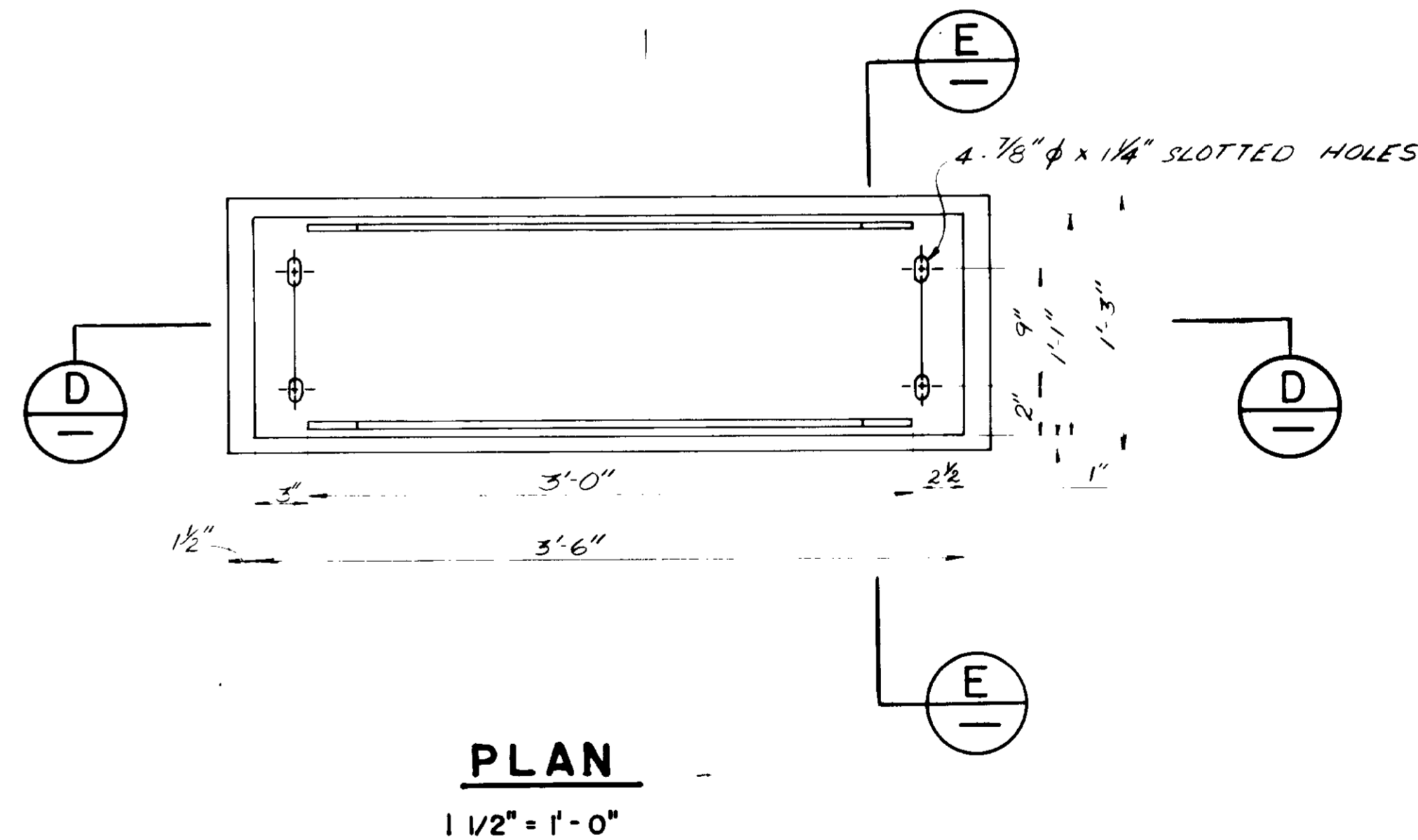
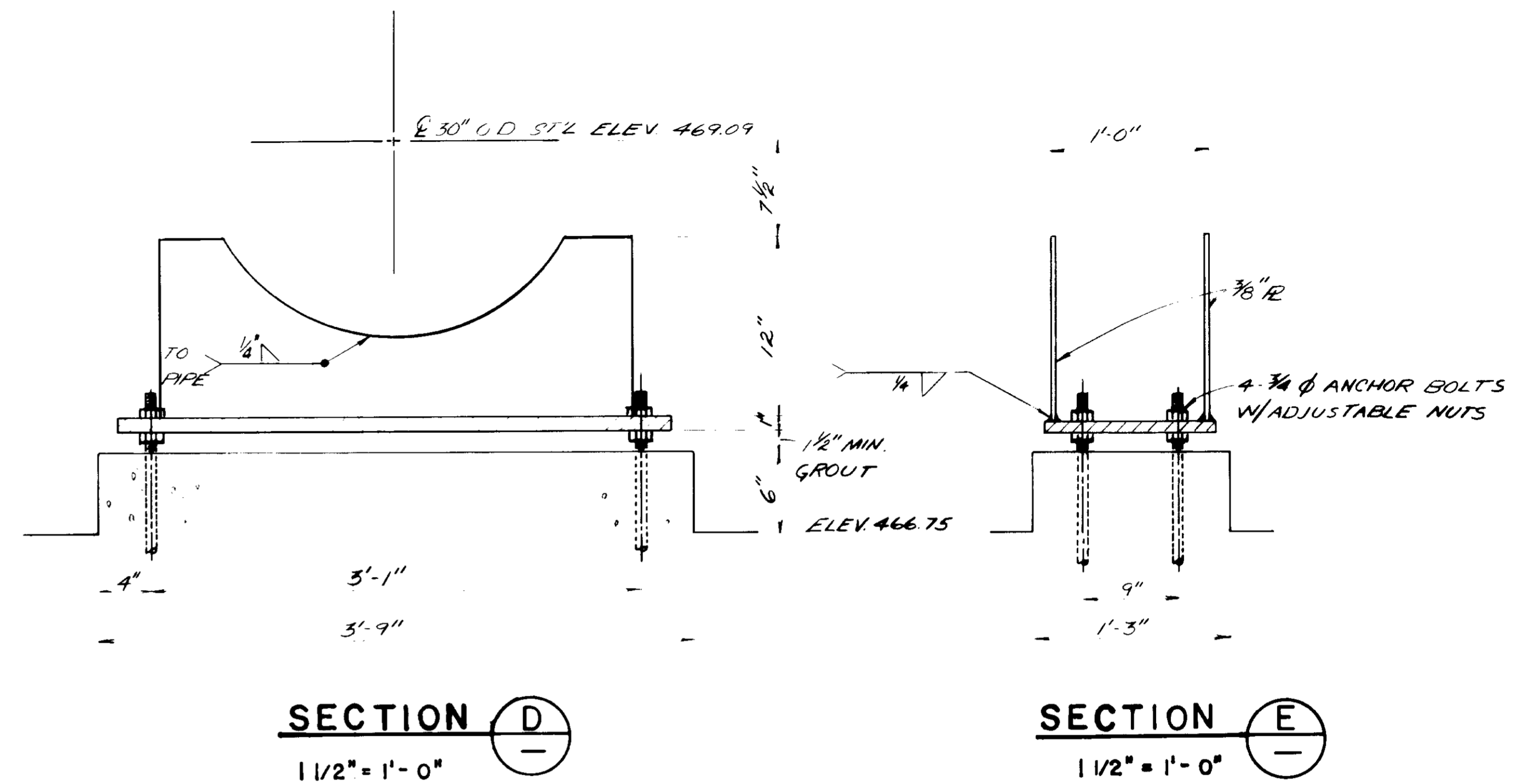


OIL COOLING WATER DETAIL
NOT TO SCALE



CASING DRAIN DETAIL

NOT TO SCALE



PIPE SUPPORT DETAIL
SCALE AS NOTED

REV	DATE	BY	DESCRIPTION

SCALE :	C.S./Y.K.	SUBMITTED	14038	8-15-79
AS SHOWN	J. LANG	DESIGNED	R.C.E. NO.	DATE
	Y. KATSURA	DRAWN	14894	8-15-79
		CHECKED	PROJECT ADMINISTRATOR	R.C.E. NO. DATE

J&K CONSULTING ENGINEERS
A JOINT VENTURE
5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-8117

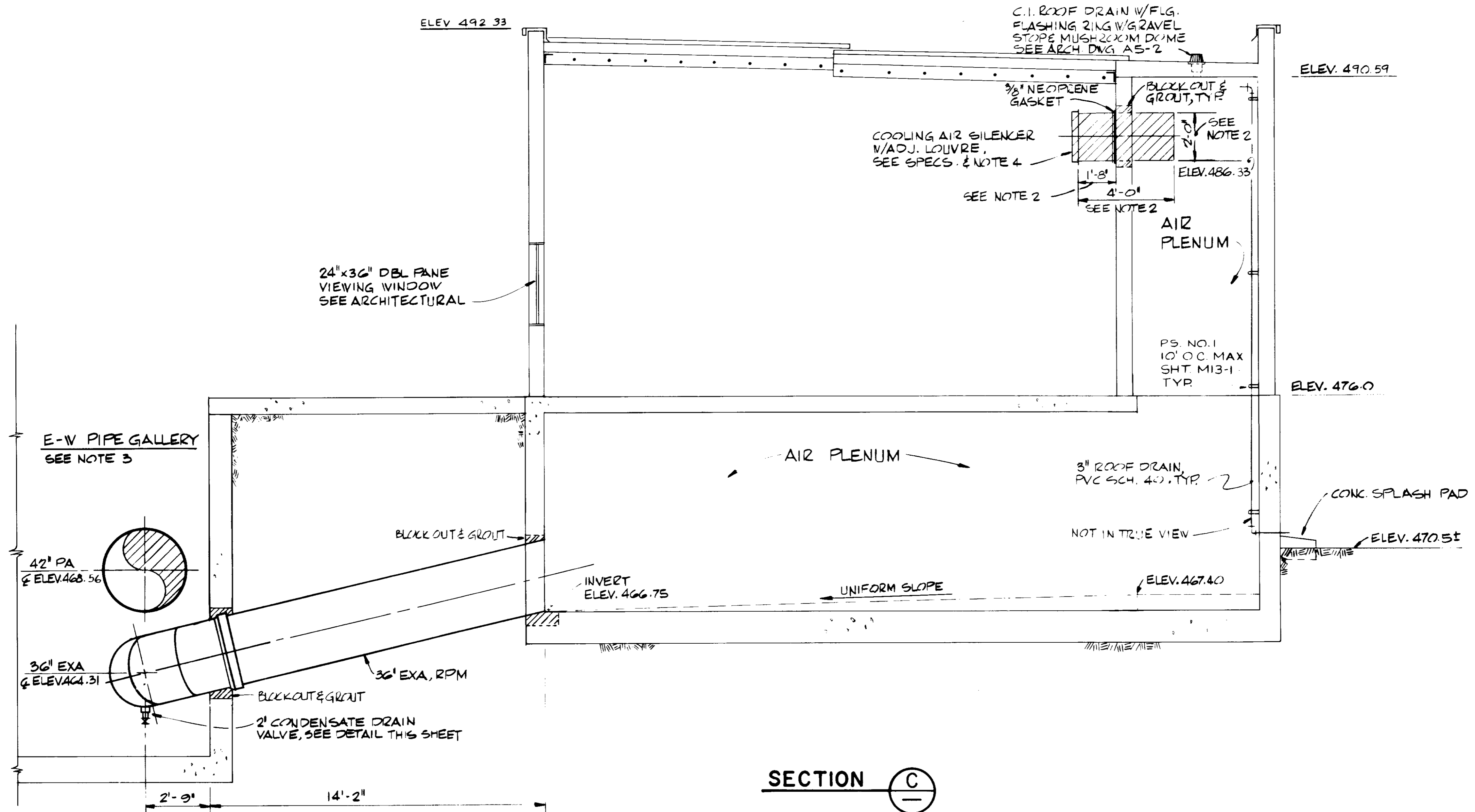
RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
Y. Katsura RCE 14038
KATSURA CONSULTING ENGINEERS March 1988

03280

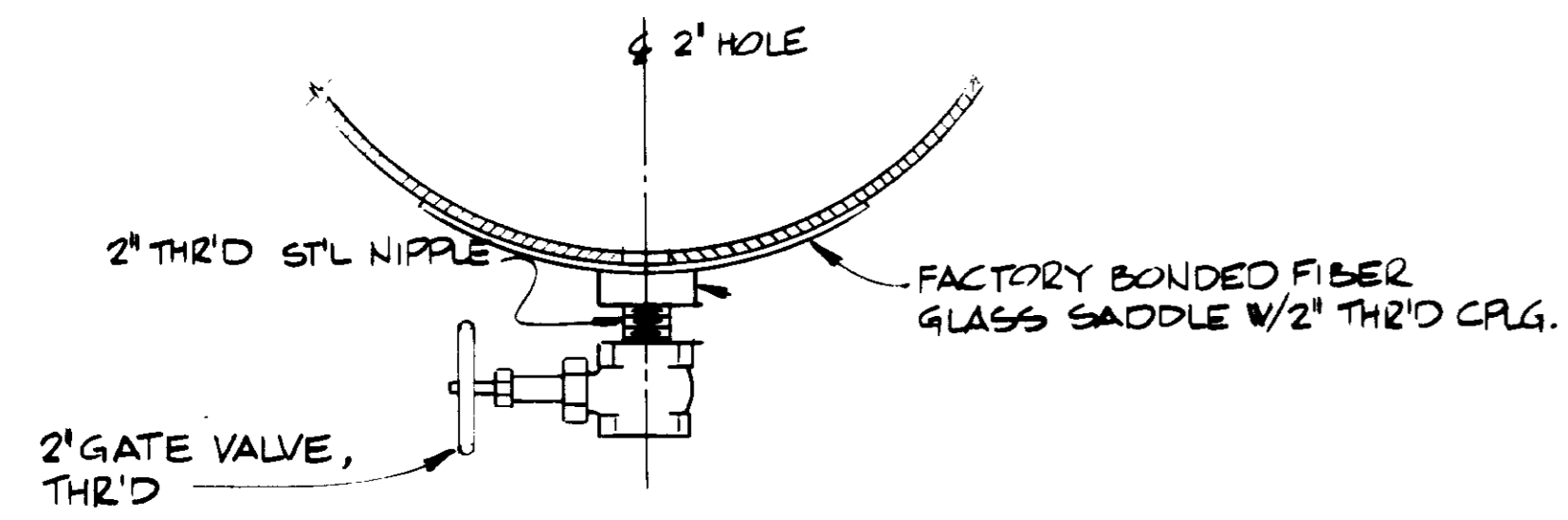
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.

PROCESS AIR COMPRESSOR — SECTION & DETAILS

SHEET
M5-3



SECTION C



CONDENSATE DRAIN DETAIL
NOT TO SCALE

03281

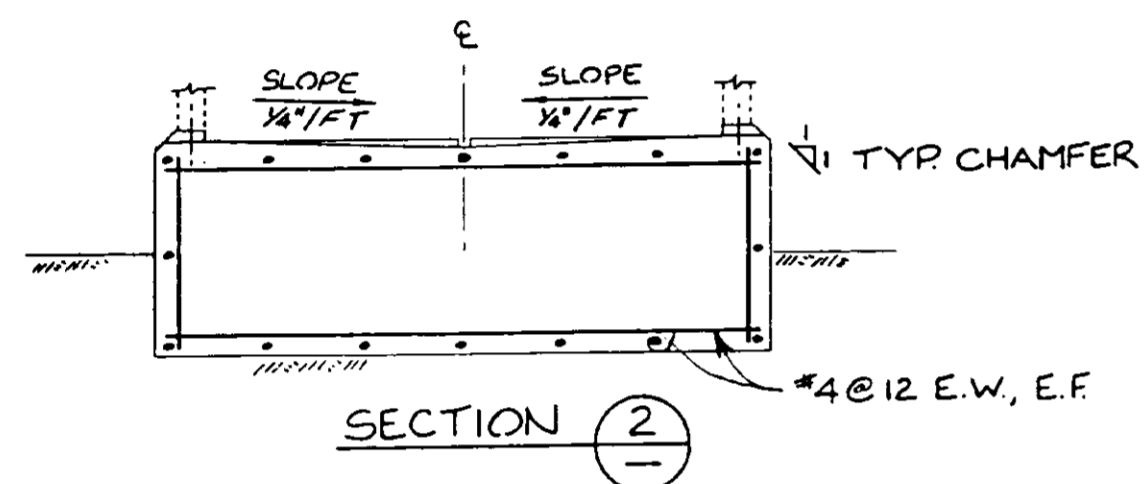
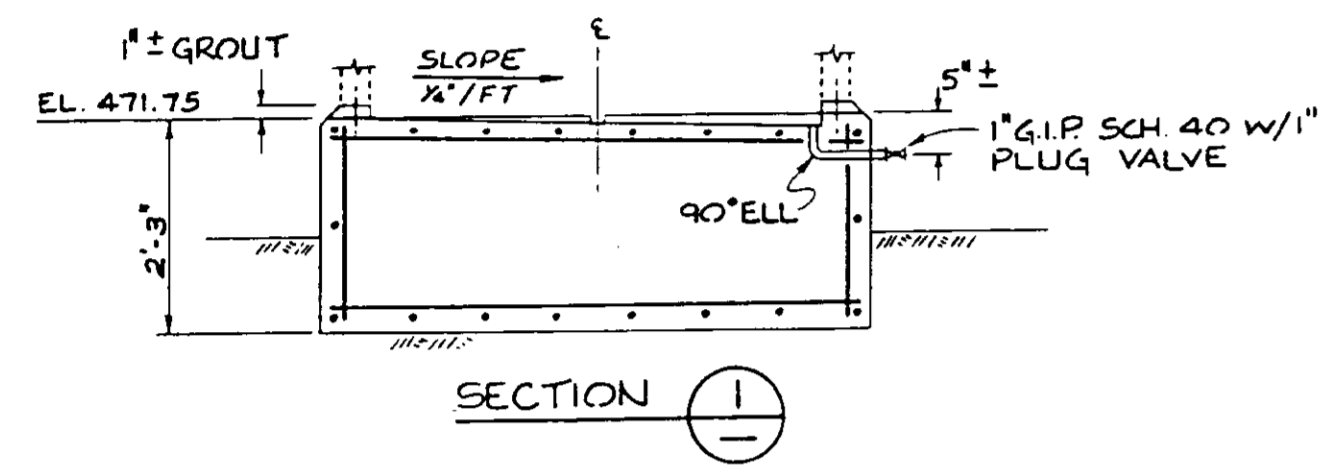
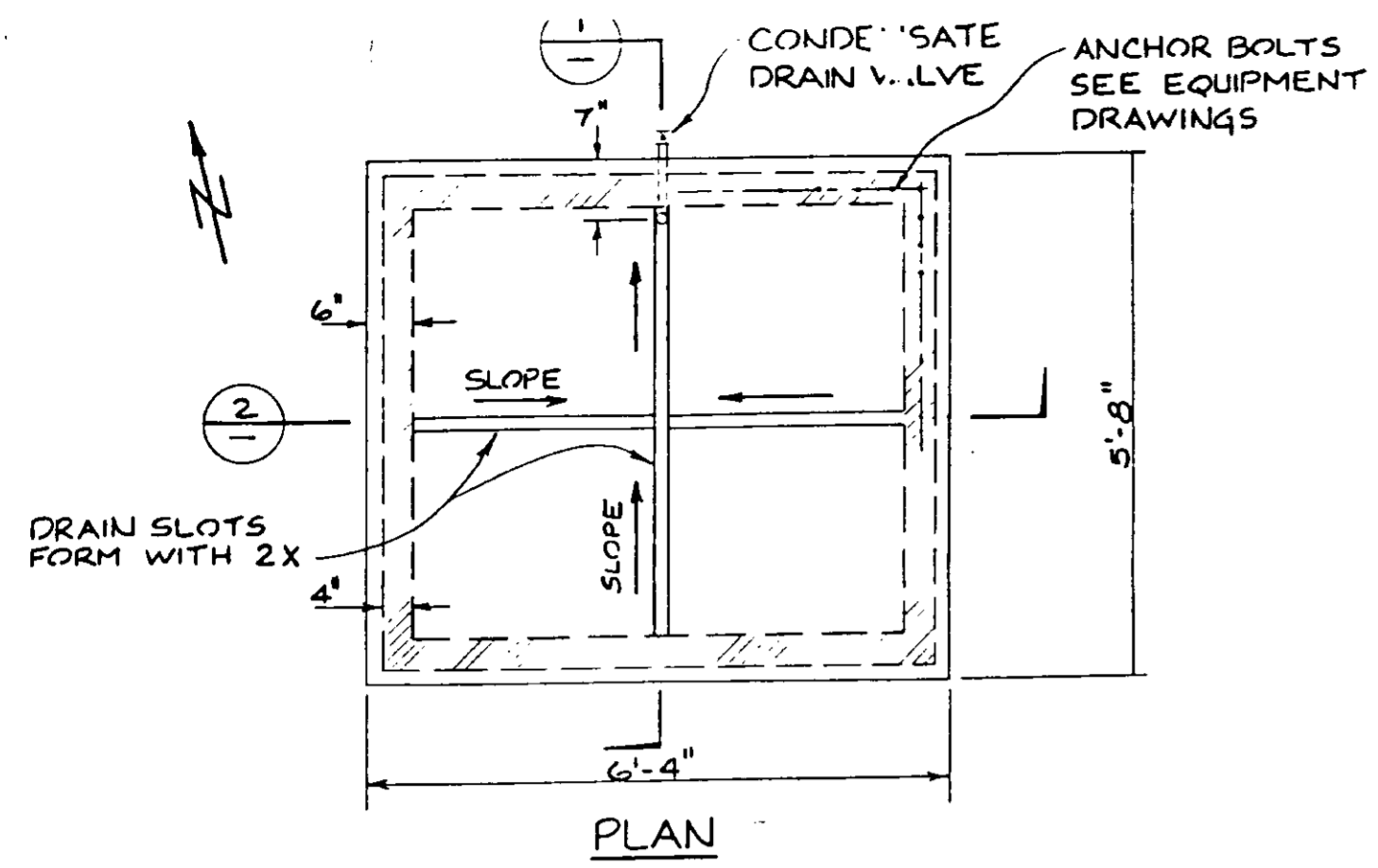
RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
RCE 14088
KATSURA CONSULTING ENGINEERS March 1985

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

SCALE :	G.S./Y.K.	SUBMITTED	14038	8-15-79
3/8" = 1'-0"	DESIGNED	J.LANG	R.C.E. NO.	DATE
	DRAWN	Y.KATSURA	14884	8-15-79
	CHECKED		R.C.E. NO.	DATE

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5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
PROCESS AIR COMPRESSOR — SECTION
SHEET **M5-4**



PAC INTAKE FILTER SILENCER PAD
 REFERENCE DRAWING: SK-M5-2A
 PLAN CHANGE: PCH-15-51

03282

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

V. Katsura

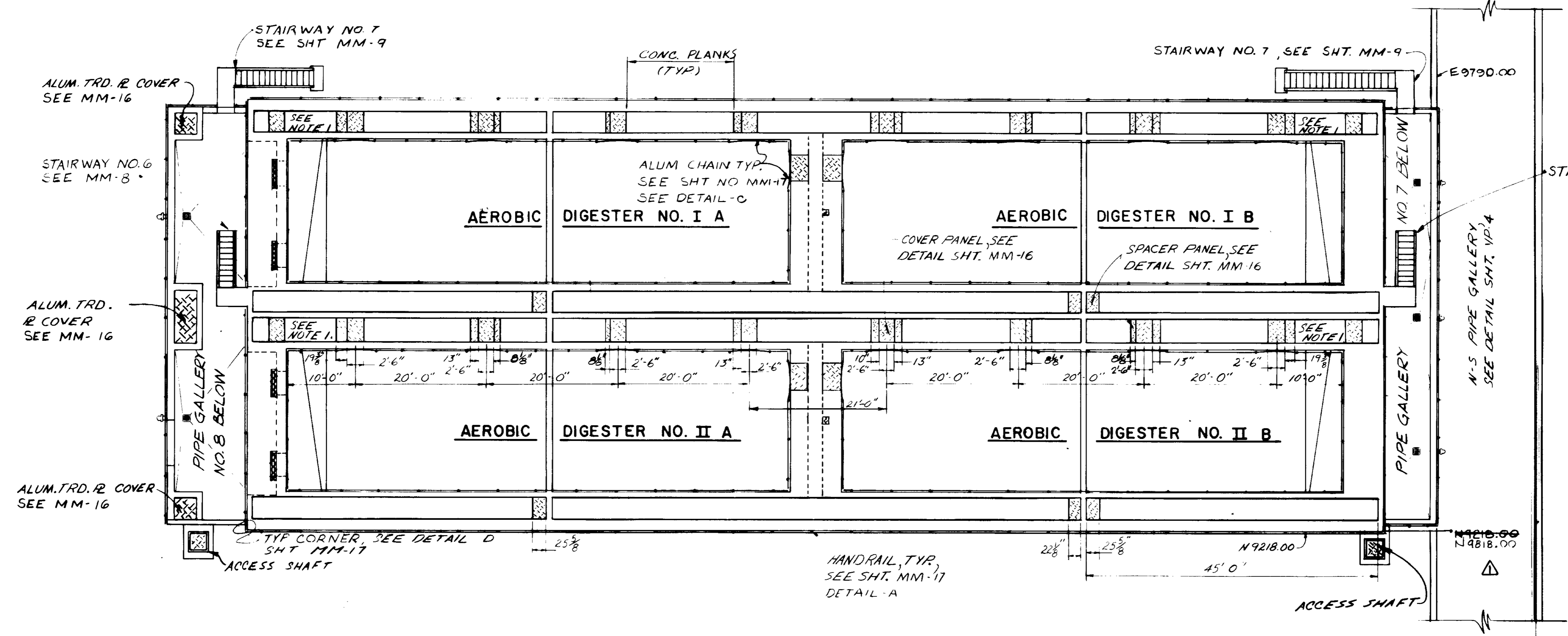
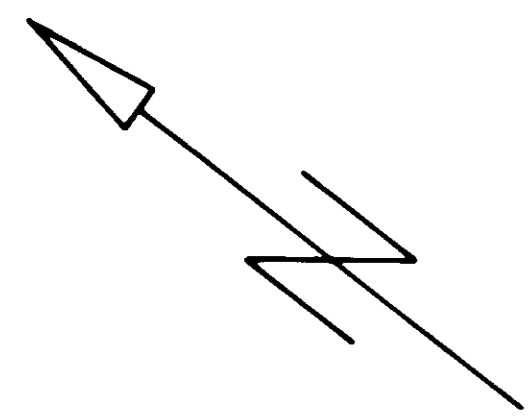
RCE 14038

KATSURA CONSULTING ENGINEERS

March 1986

PROCESS AIR COMPRESSOR - DETAILS

SHEET
 M5-5



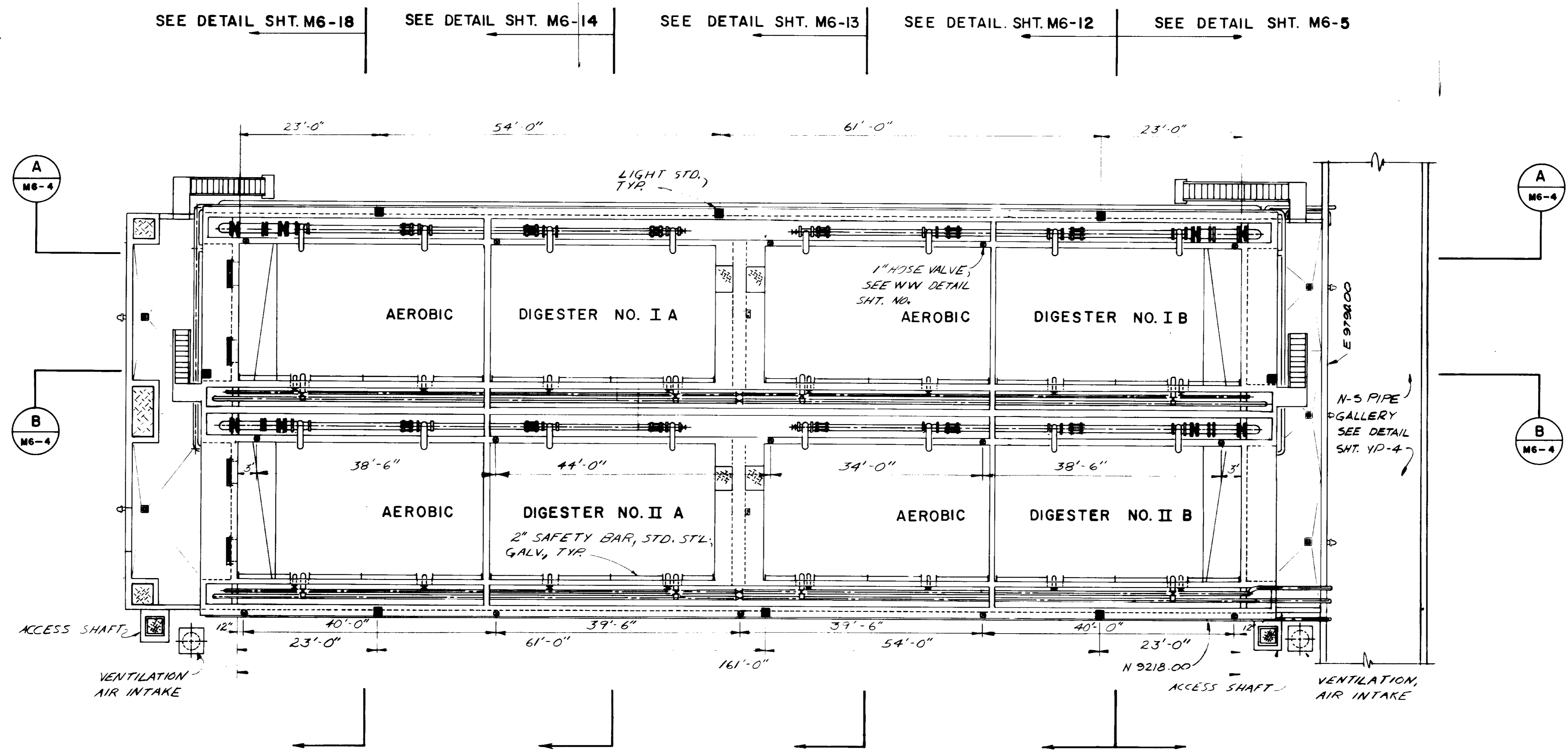
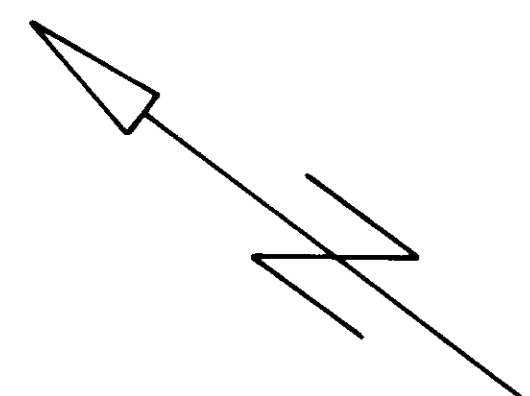
- NOTES
- COORDINATE NUMBER OF CONC PLANKS AND ALUM SPACER SIZES WITH VALVE OPERATOR LOCATIONS SEE SHT. M6-27
 - COORDINATE THIS SHEET WITH M6-2
 - SEE SHT. S1-3 FOR CONCRETE PLANK DETAIL
 - SEE MM DRAWINGS FOR MISC. METALS, HANDRAILS, STAIRS FOR DETAILS

PLAN I

03283

RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alber
[Signature] RCE 14088
 KATSURA CONSULTING ENGINEERS March 1988

SCALE : 1" = 10'-0"		DESIGNED: J.L. LANG	SUBMITTED: <i>[Signature]</i> 14038 8-15-79	<p>CONSULTING ENGINEERS A JOINT VENTURE 801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 933-9117</p>	<p>LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.</p>	<p>SHEET M6-1</p>
REV. PER MZA-JCE	3/30/88 C.S.	DRAWN: Y. KATSURA	PROJECT MANAGER: <i>[Signature]</i> 14894 8-15-79			
REV. DATE BY DESCRIPTION	REV. DATE BY DESCRIPTION	CHECKED	PROJECT ADMINISTRATOR			



- NOTES**
- 1 PROCESS PIPING CHANNEL COVERS NOT SHOWN, FOR CLARITY COORDINATE THIS SHT. W/ M6-1
 - 2 SYMBOL INDICATES HOSE BIBB LOCATIONS
 - 3 SYMBOL INDICATES LIGHTING STANDARD SEE ELECTRICAL & SPECS

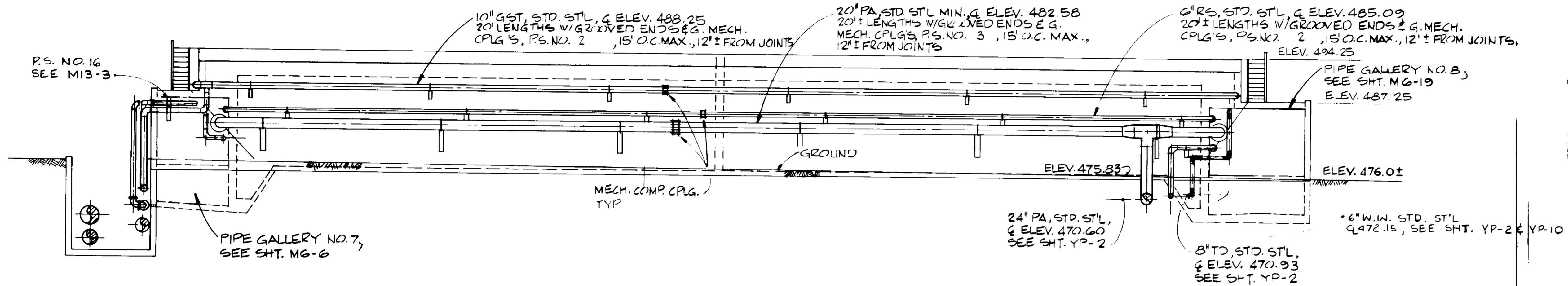
PLAN II

RECORD DRAWINGS
 Per Field Information Provided By Merley-Ziebarth & Alper

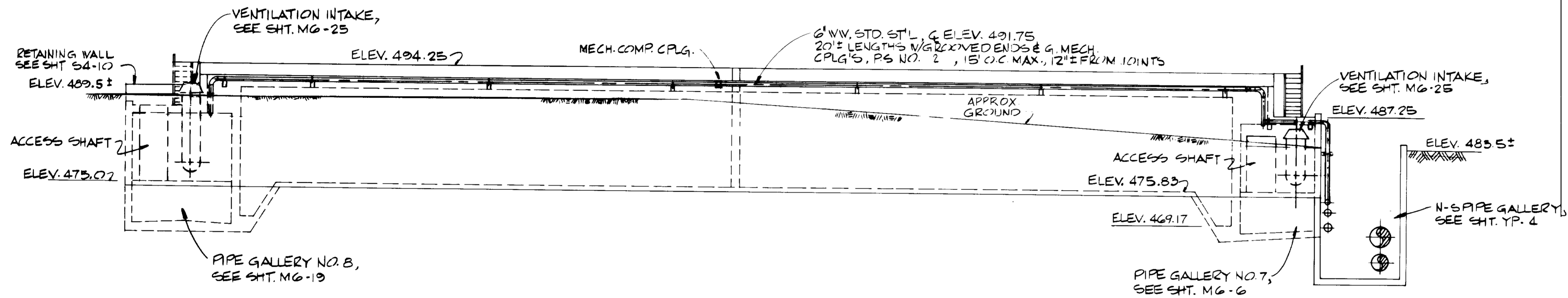
 RCE 14038
 KATSURA CONSULTING ENGINEERS, March 1985

03284

	SCALE : 1" = 10'-0"	A.P./Y.K. DESIGNED J. LANG DRAWN Y. KATSURA CHECKED	SUBMITTED PROJECT MANAGER 14038 8-15-79 R.C.E. NO. DATE	CONSULTING ENGINEERS A JOINT VENTURE 8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 933-9117	LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. AEROBIC DIGESTER - PLAN II	SHEET M6-2	
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION



NORTH ELEVATION



SOUTH ELEVATION

1. HANDRAILS NOT SHOWN ON THIS DRAWING.
SEE SHT. MG-2 FOR LOCATION
STAIRWAYS NO.

03285

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Aber

Y. Katsura

RCE 14038

KATSURA CONSULTING ENGINEERS

March 1988

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

SCALE :
1" = 10' - 0"

A.P./Y.K.
DESIGNED
C. SENIVONGS
DRAWN
Y. KATSURA
CHECKED

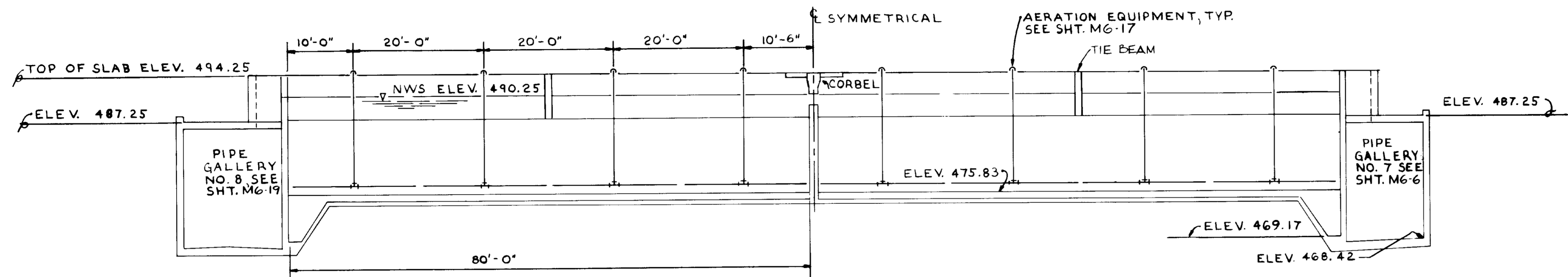
SUBMITTED: *Y. Katsura*
PROJECT MANAGER: 14038 8-15-79
PROJECT MANAGER: R.C.E. NO. DATE
Y. Katsura
PROJECT ADMINISTRATOR: 14884 8-15-79
PROJECT ADMINISTRATOR: R.C.E. NO. DATE

JK CONSULTING ENGINEERS
A JOINT VENTURE
5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
(213) 833-9117

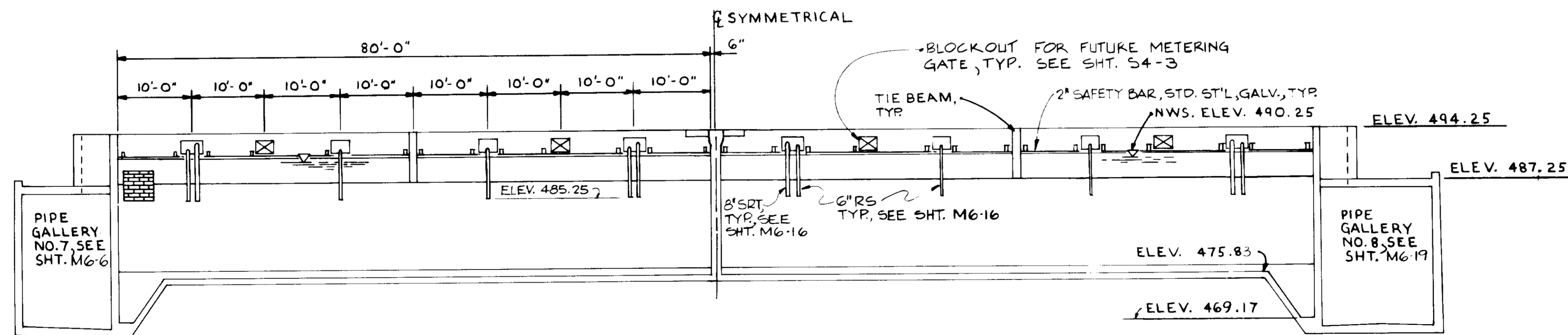
**LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F**

NORTH & SOUTH ELEVATIONS

SHEET
M6-3



SECTION A



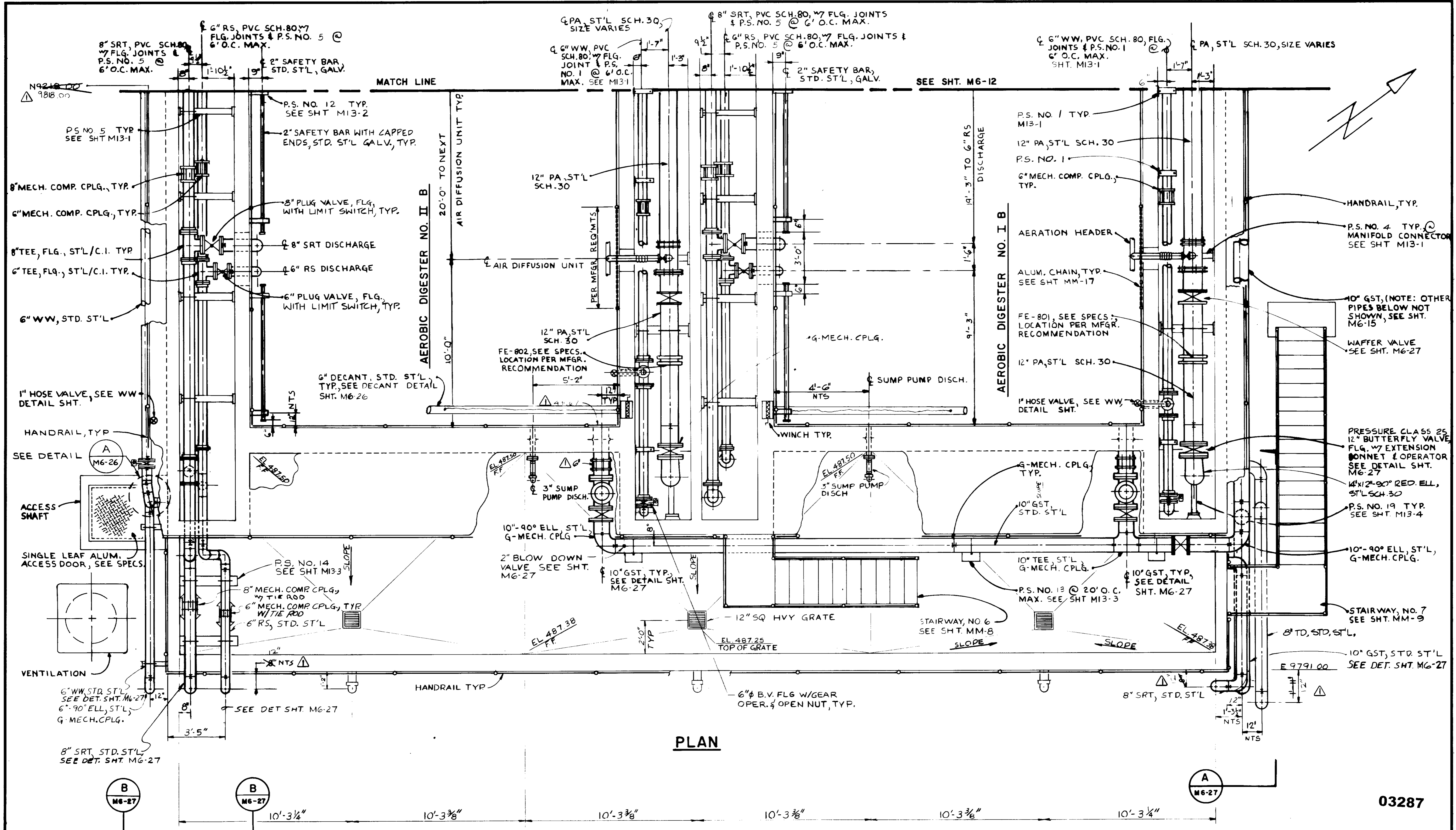
SECTION B

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alger
[Signature]
 KATSURA CONSULTING ENGINEERS RCE 14038
 March 1985

03286

REV		DATE	BY	DESCRIPTION	REV		DATE	BY	DESCRIPTION	SCALE : 1" = 10'-0"	A.P./Y.K. DESIGNED S. CALDERON DRAWN Y. KATSURA CHECKED	SUBMITTED <i>[Signature]</i> PROJECT MANAGER 14038 8-15-79 R.C.E. NO. DATE	PROJECT ADMINISTRATOR 14894 8-15-79 R.C.E. NO. DATE	 JK CONSULTING ENGINEERS A JOINT VENTURE 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 833-9117	LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. SECTIONS A & B	SHEET M6-4
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PLAN

NOTE:
PROCESS PIPING CHANNEL
COVERS NOT SHOWN FOR
CLARITY.

RECORD DRAWINGS

Per Field Information Provided by Morley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS
RCE 14038
March 1988

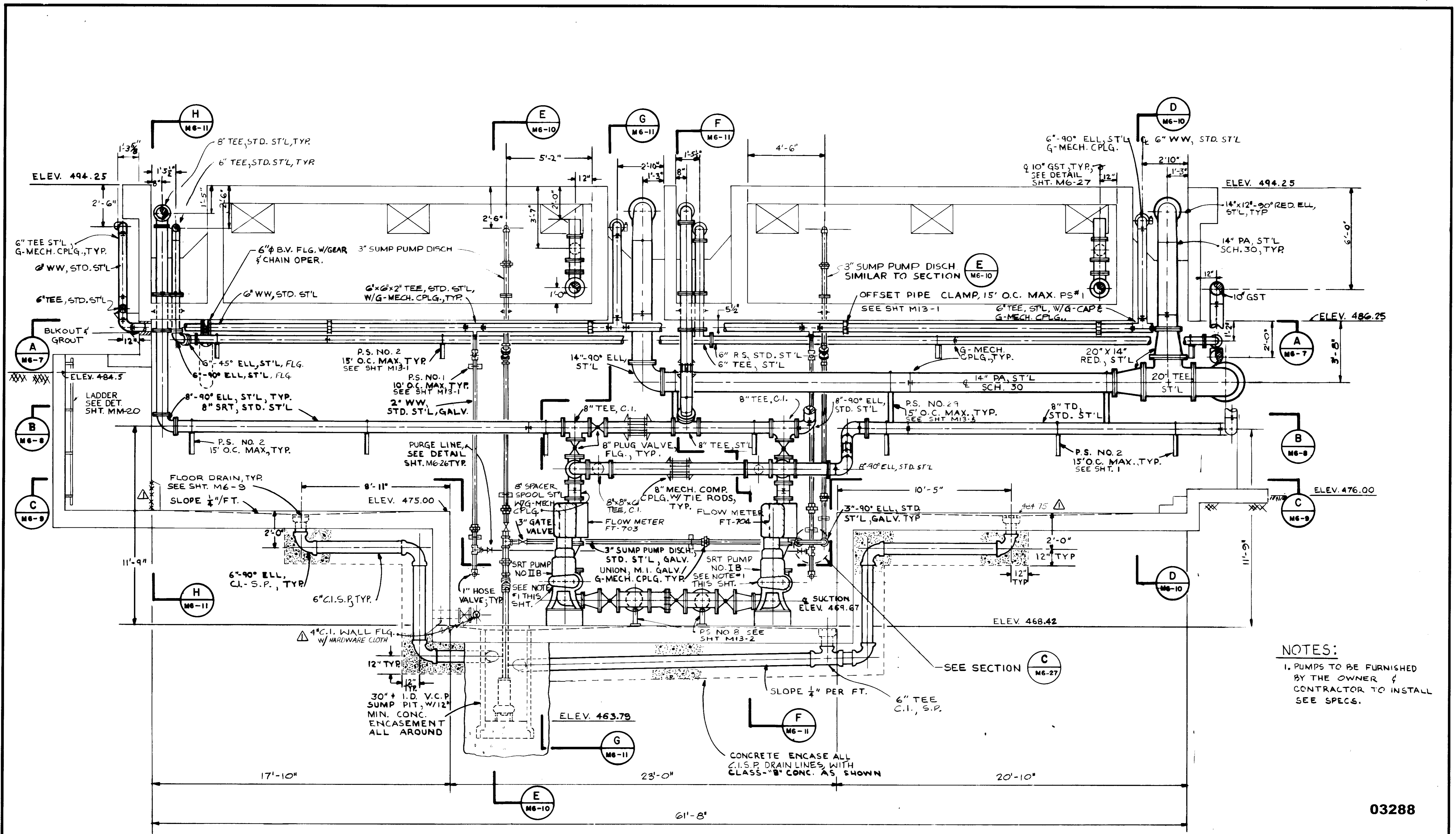
03287

REV	DATE	BY	DESCRIPTION

SCALE :	A.P./Y.K./V.S.	SUBMITTED	14038	8-15-79
3/8" = 1'-0"	DESIGNED J. LANG	PROJECT MANAGER	R.C.E. NO.	DATE
	DRAWN Y. KATSURA		14884	8-15-79
	CHECKED	PROJECT ADMINISTRATOR	R.C.E. NO.	DATE

J&K CONSULTING ENGINEERS
A JOINT VENTURE
8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
GALLERY NO. 7 - PLAN
SHEET
M6-5



NOTES:
 1. PUMPS TO BE FURNISHED BY THE OWNER & CONTRACTOR TO INSTALL SEE SPECS.

ELEVATION

03288

RECORD DRAWINGS

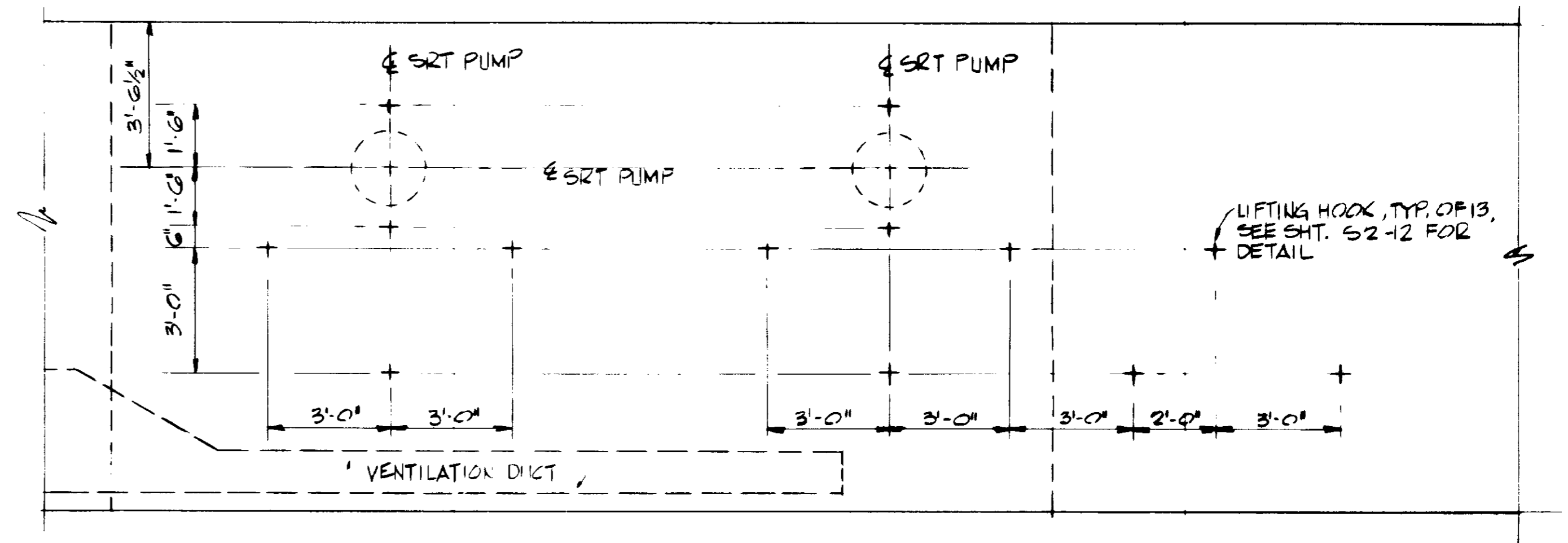
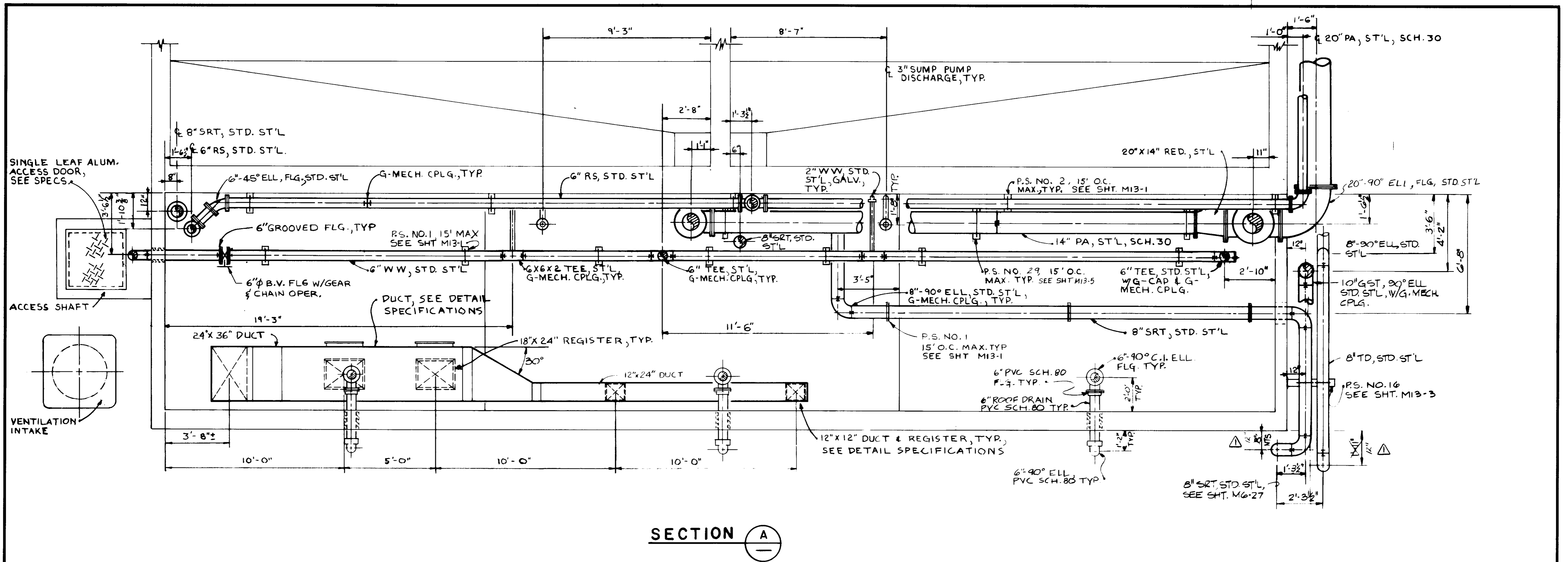
Per Field Information Provided By Merley-Ziebarth & Alper
[Signature]
 RCE 14088
 KATSURA CONSULTING ENGINEERS March 1986

REV	DATE	BY	DESCRIPTION

SCALE : 3/8" = 1'-0"	V.S./A.P./Y.K. DESIGNED S. CALDERON DRAWN Y. KATSURA CHECKED	SUBMITTED <i>[Signature]</i> PROJECT MANAGER <i>[Signature]</i> PROJECT ADMINISTRATOR	14038 8-15-79 R.C.E. NO. DATE 14894 8-15-79 R.C.E. NO. DATE
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JKC CONSULTING ENGINEERS
 A JOINT VENTURE
 8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 832-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 GALLERY NO. 7 — ELEVATION
SHEET M6-6



SECTION A

PLAN

03289

RECORD DRAWINGS
 Per Field Information Provided By Merley-Ziebarth & Alper
[Signature] RCE 14088
 KATSURA CONSULTING ENGINEERS March 1988

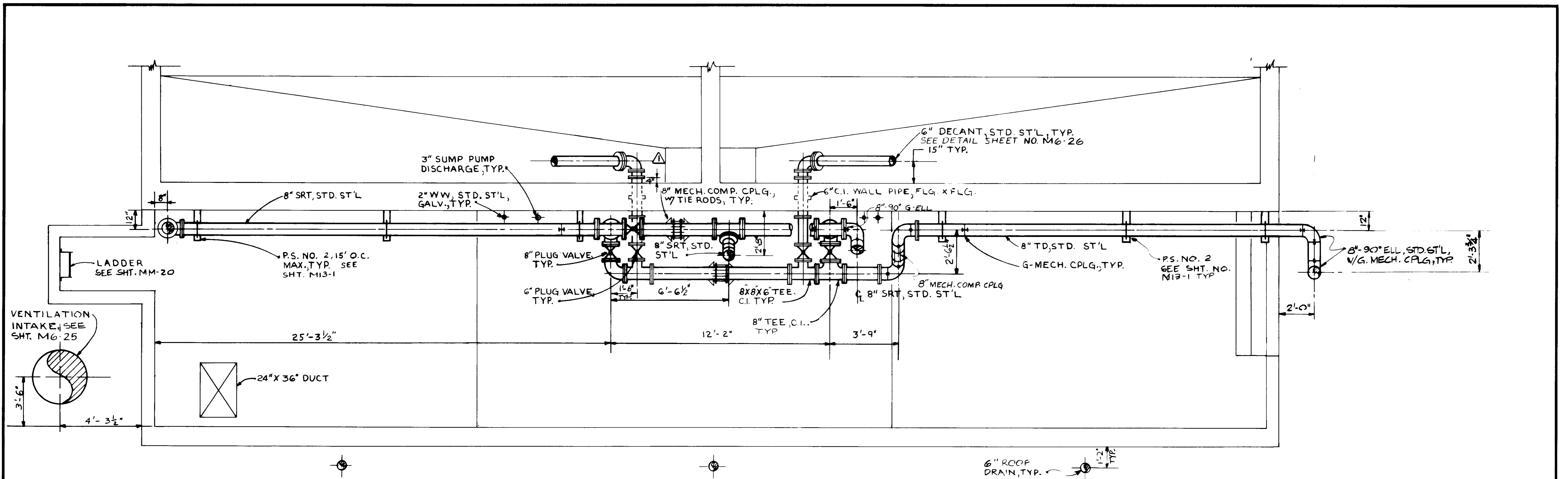
REV	DATE	BY	DESCRIPTION

SCALE : 3/8" = 1' - 0"	A.P./Y.K. DESIGNED J. LANG DRAWN Y. KATSURA CHECKED	SUBMITTED <i>[Signature]</i> PROJECT MANAGER 14038 8-15-79 R.C.E. NO. DATE 14884 8-15-79 R.C.E. NO. DATE PROJECT ADMINISTRATOR
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J&K CONSULTING ENGINEERS
 A JOINT VENTURE
 8001 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 833-8117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 GALLERY NO. 7—PLAN SECTION A

SHEET
M6-7



SECTION B

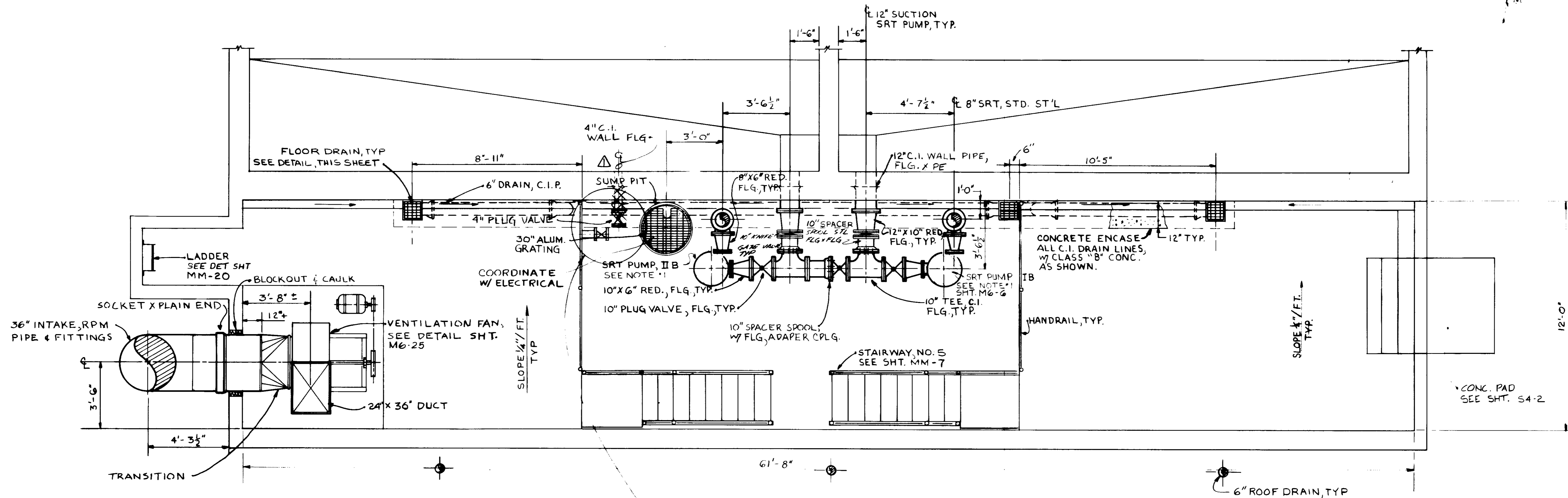
RECORD DRAWINGS

Per Field Information Provided By Morley-Zlobarth & Alper

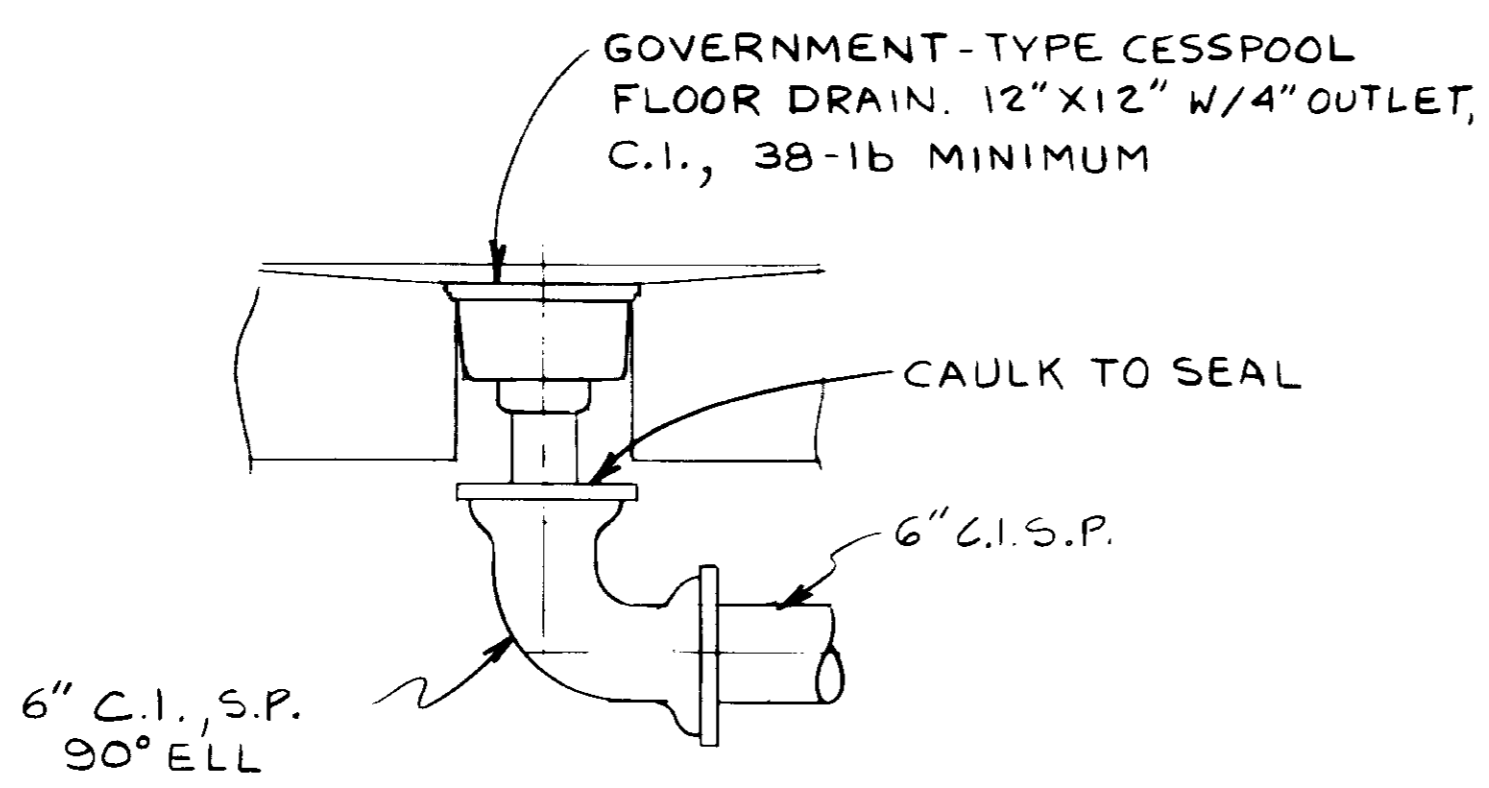
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 RCE 14038
 KATSURA CONSULTING ENGINEERS March 1986

03290

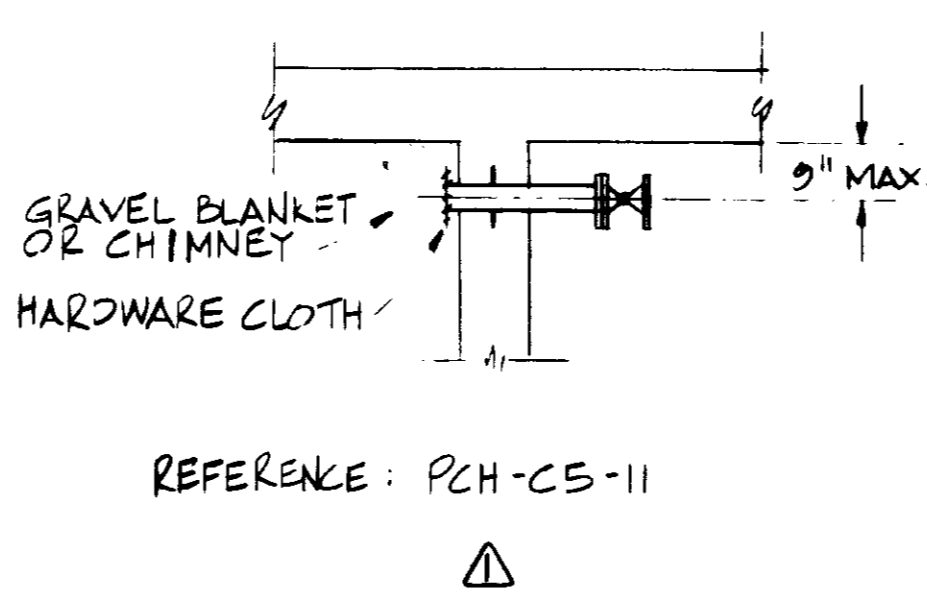
SCALE : 3/8" = 1' - 0"		SUBMITTED: <i>[Signature]</i> 14038 8-15-79 PROJECT MANAGER R.C.E. NO. DATE		CONSULTING ENGINEERS A JOINT VENTURE 5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 933 9117	LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. GALLERY NO. 7 - PLAN SECTION B	SHEET M6-8	
DESIGNED: J. LANG DRAWN: Y. KATSURA CHECKED:		PROJECT ADMINISTRATOR: <i>[Signature]</i> 14894 8-15-79 R.C.E. NO. DATE					
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION
				△	5/20/86	C.S.	REV. PER MEA-JCE



SECTION C



FLOOR DRAIN CONNECTION SCHEMATIC
NO SCALE



REFERENCE: PCH-C5-11

03291

RECORD DRAWINGS
Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
RCE 14088
KATSURA CONSULTING ENGINEERS March 1986

REV	DATE	BY	DESCRIPTION

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

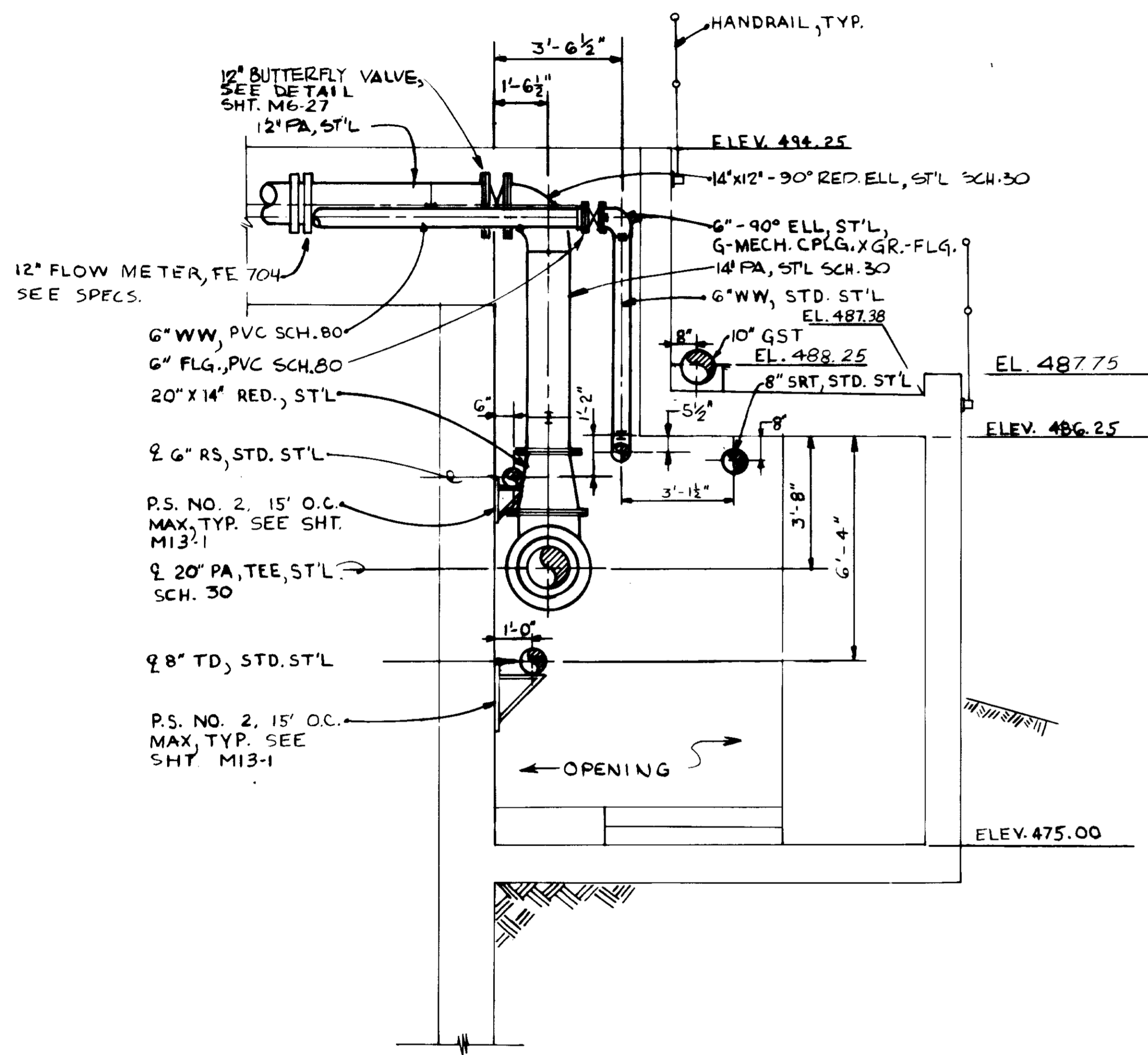
DESIGNED BY
J. LANG
DRAWN BY
Y. KATSURA
CHECKED

SUBMITTED BY
[Signature]
PROJECT MANAGER
14038 8-15-79
R.C.E. NO. DATE
[Signature]
14894 8-15-79
R.C.E. NO. DATE
PROJECT ADMINISTRATOR

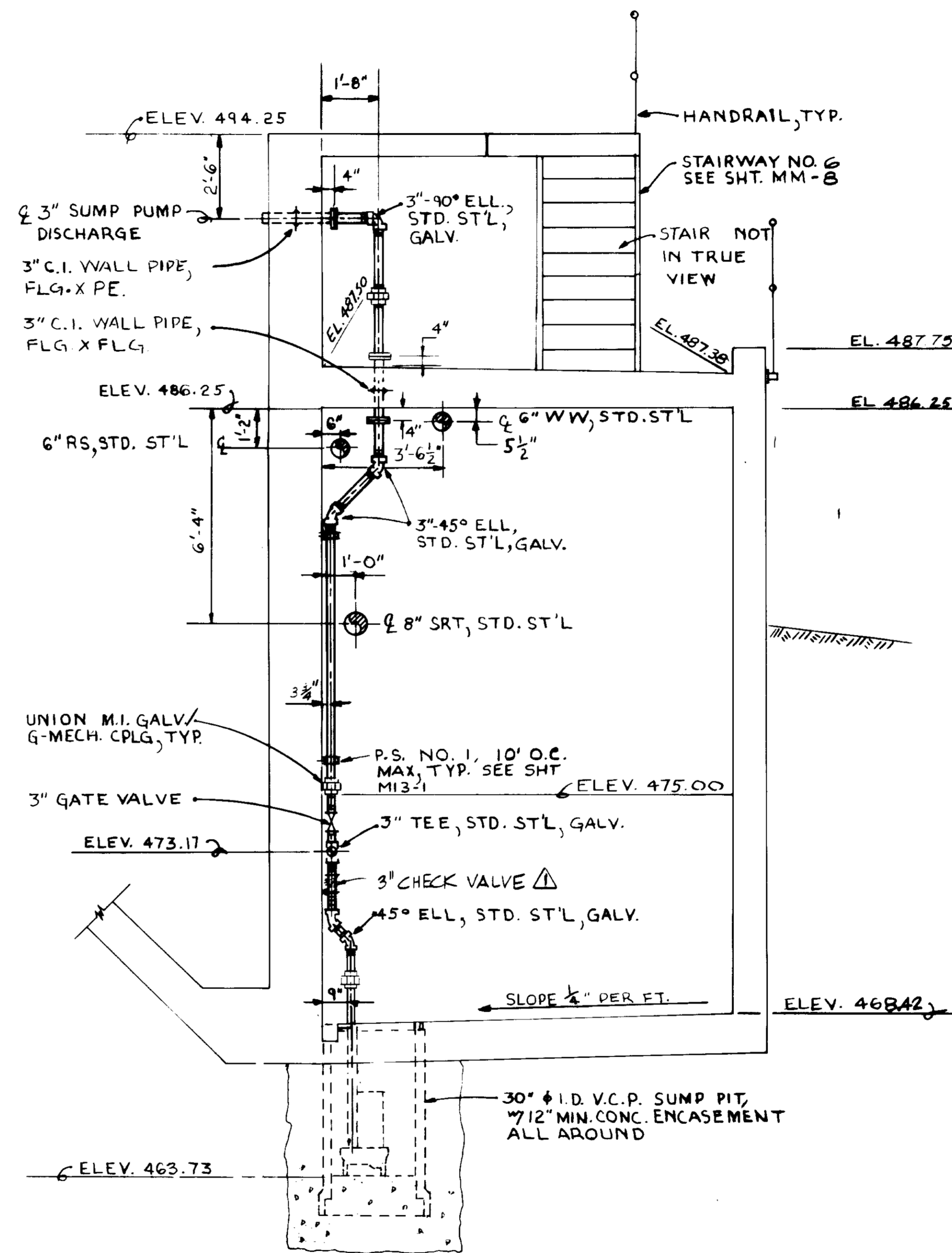
JKC CONSULTING ENGINEERS
A JOINT VENTURE
8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 833-8117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
GALLERY NO.7 — PLAN SECTION C

SHEET
M6-9



SECTION **D**



SECTION **E**

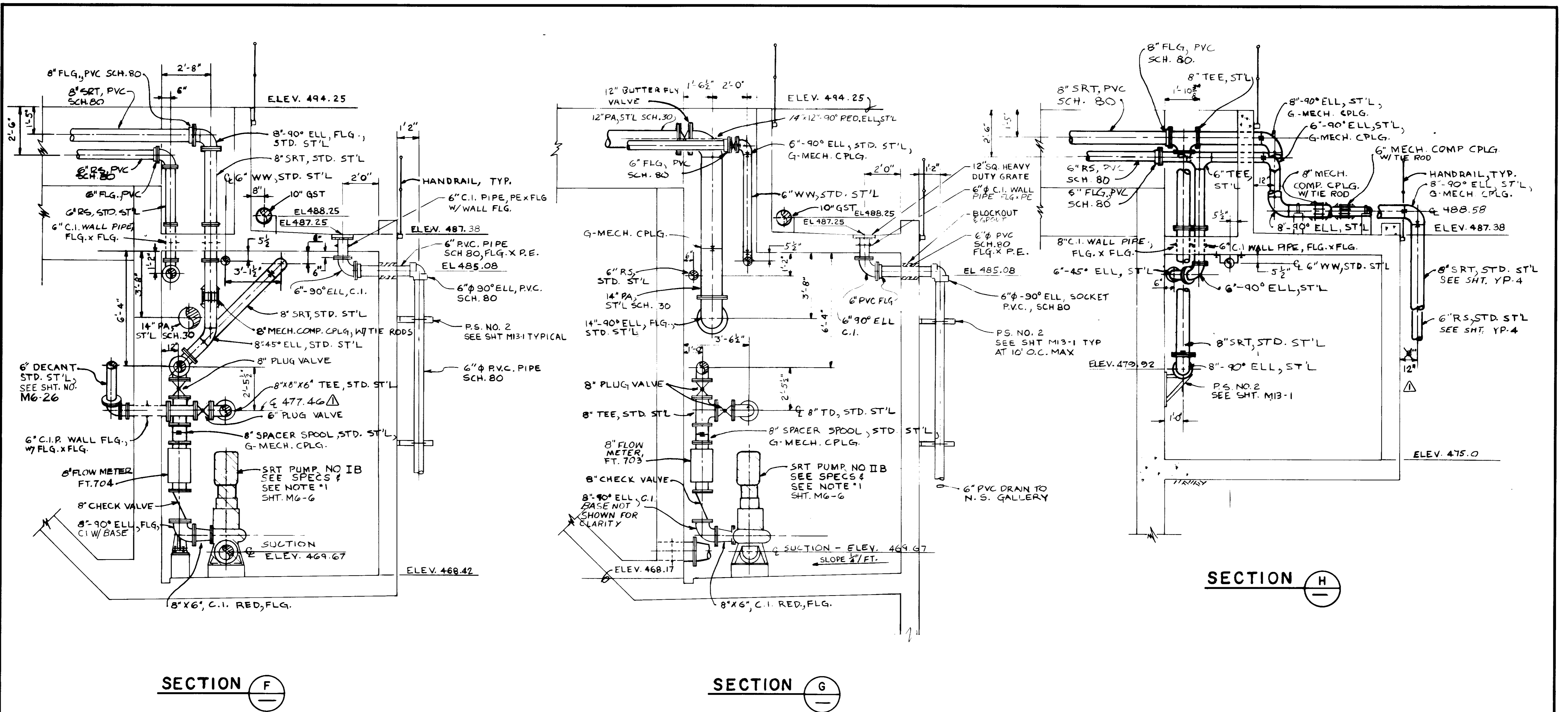
RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

[Signature]
RCE 14038
KATSURA CONSULTING ENGINEERS March 1986

03292

SCALE : 3/8" = 1'-0"		A.P./Y.K. DESIGNED J. LANG	SUBMITTED <i>[Signature]</i> PROJECT MANAGER 14038 8-15-79 R.C.E. NO. DATE	 JK CONSULTING ENGINEERS A JOINT VENTURE 6601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018 (213) 933-9117	LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. GALLERY NO. 7 - ELEVATION SECTIONS D & E	SHEET M6-10
REV. DATE BY DESCRIPTION	REV. DATE BY DESCRIPTION	DRAWN Y. KATSURA CHECKED	PROJECT ADMINISTRATOR <i>[Signature]</i> 14884 8-15-79 R.C.E. NO. DATE			



SECTION F

SECTION G

SECTION H

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

Y. Katsura
RCE 14098
KATSURA CONSULTING ENGINEERS March 1988

03293

REV	DATE	BY	DESCRIPTION

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

DESIGNED BY G. WINKLER
DRAWN BY Y. KATSURA
CHECKED BY

SUBMITTED BY *Y. Katsura*
PROJECT MANAGER R.C.E. NO. 14038 DATE 8-15-79
PROJECT ADMINISTRATOR R.C.E. NO. 14894 DATE 8-15-79

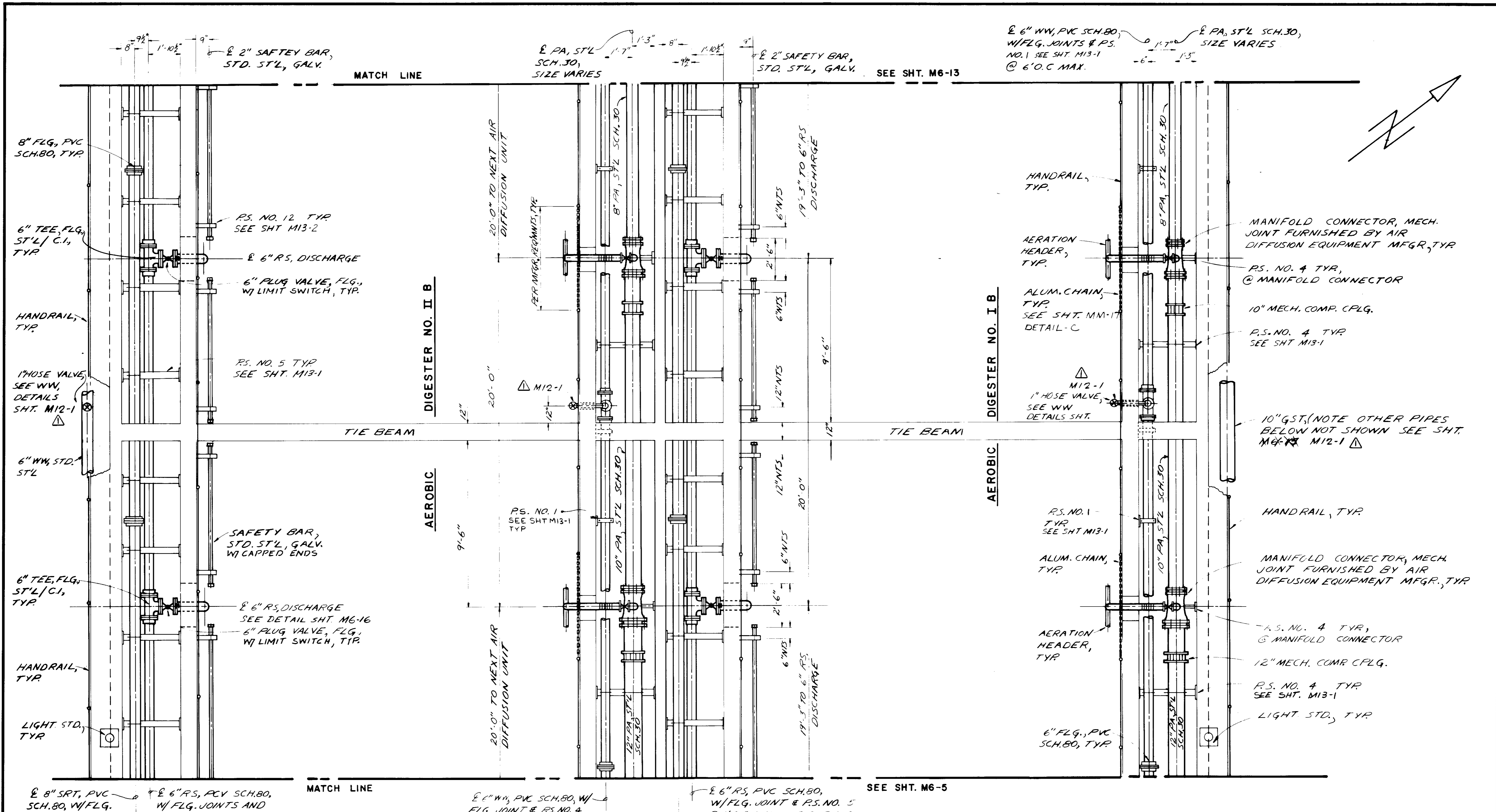


CONSULTING ENGINEERS
A JOINT VENTURE
5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.

SHEET
M6-11

GALLERY NO. 7 — ELEVATION SECTIONS F, G & H



PLAN

NOTE: PROCESS PIPING CHANNEL COVERS, NOT SHOWN FOR CLARITY.

SEE SHT. M6-5

03294

RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alper
[Signature]
 RCE 14088
 KATSURA CONSULTING ENGINEERS March 1985

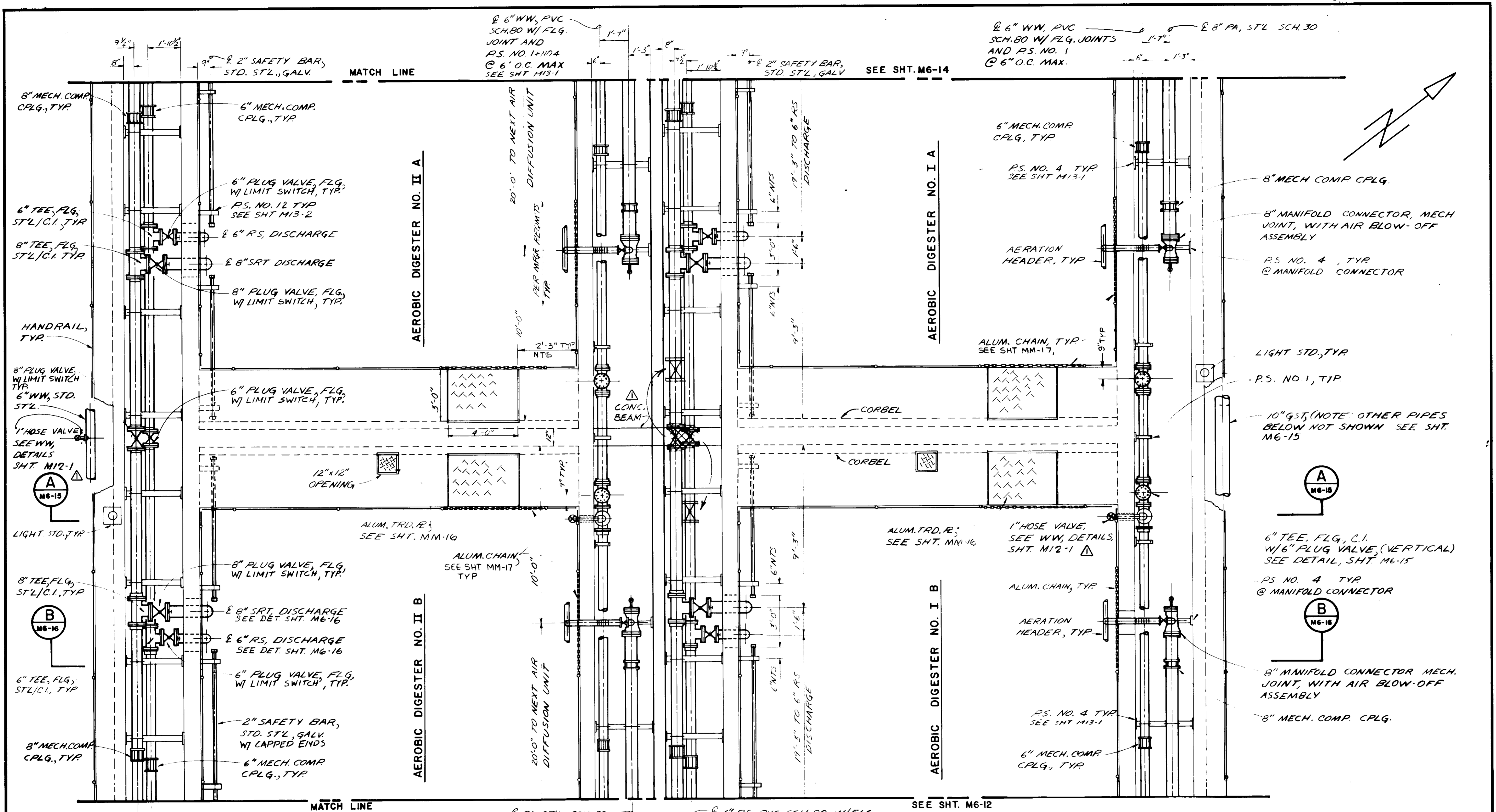
REV	DATE	BY	DESCRIPTION

SCALE : 3/8" = 1'-0"	A.P. / Y.K. DESIGNED R. WILHELM DRAWN Y. KATSURA CHECKED	SUBMITTED <i>[Signature]</i> PROJECT MANAGER <i>[Signature]</i> PROJECT ADMINISTRATOR	14038 R.C.E. NO. 8-15-79 DATE	14894 R.C.E. NO. 8-15-79 DATE
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J&K CONSULTING ENGINEERS
 A JOINT VENTURE
 5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
 SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 PROCESS PIPING - PLAN I

SHEET
M6-12



NOTE: PROCESS PIPING CHANNEL COVERS NOT SHOWN FOR CLARITY

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

AP / Y.K. / V.S.
 DESIGNED R. WILHELM
 DRAWN Y. KATSURA
 CHECKED

PROJECT MANAGER R.C.E. NO. 14038 DATE 8-15-79
 PROJECT ADMINISTRATOR R.C.E. NO. 14884 DATE 8-15-79

8" SRT, PVC SCH. 80 W/ FLG. JOINTS AND PS NO. 5 @ 6' O.C. MAX. SEE SHT. M13-1
 6" RS, PVC SCH. 80 W/ FLG. JOINTS AND PS NO. 5 @ 6' O.C. MAX. SEE SHT. M13-1
 8" PA, STL SCH. 30, SIZE VARIES
 6" RS, PVC SCH. 80 W/ FLG. JOINTS & PS NO. 5 @ 6' O.C. MAX.
 8" SRT, PVC SCH. 80 W/ FLG. JOINTS & PS NO. 5 @ 6' O.C. MAX.

PLAN

03295

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

Y. Katsura
 RCE 14038
 KATSURA CONSULTING ENGINEERS March 1988

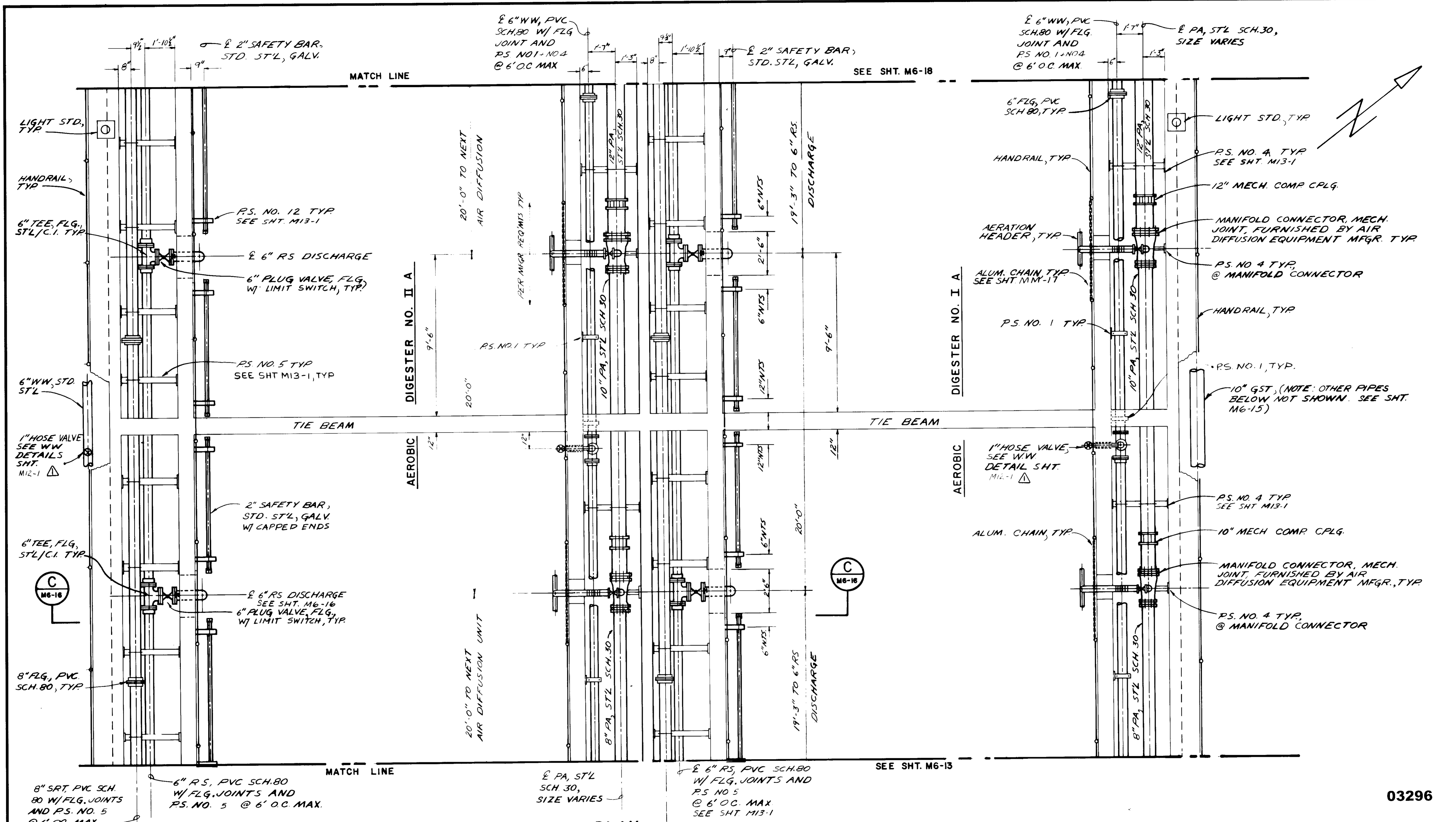
REV	DATE	BY	DESCRIPTION

SCALE: 3/8" = 1'-0"	AP / Y.K. / V.S. DESIGNED R. WILHELM DRAWN Y. KATSURA CHECKED	SUBMITTED BY <i>Y. Katsura</i> PROJECT MANAGER R.C.E. NO. 14038 DATE 8-15-79	PROJECT ADMINISTRATOR R.C.E. NO. 14884 DATE 8-15-79
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JK CONSULTING ENGINEERS
 A JOINT VENTURE
 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90015
 (213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
 SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 PROCESS PIPING — PLAN II

SHEET
M6-13



RECORD DRAWINGS
 Per Field Information Provided By Merley-Ziebarth & Alper
[Signature] RCE 14038
 KATSURA CONSULTING ENGINEERS March 1985

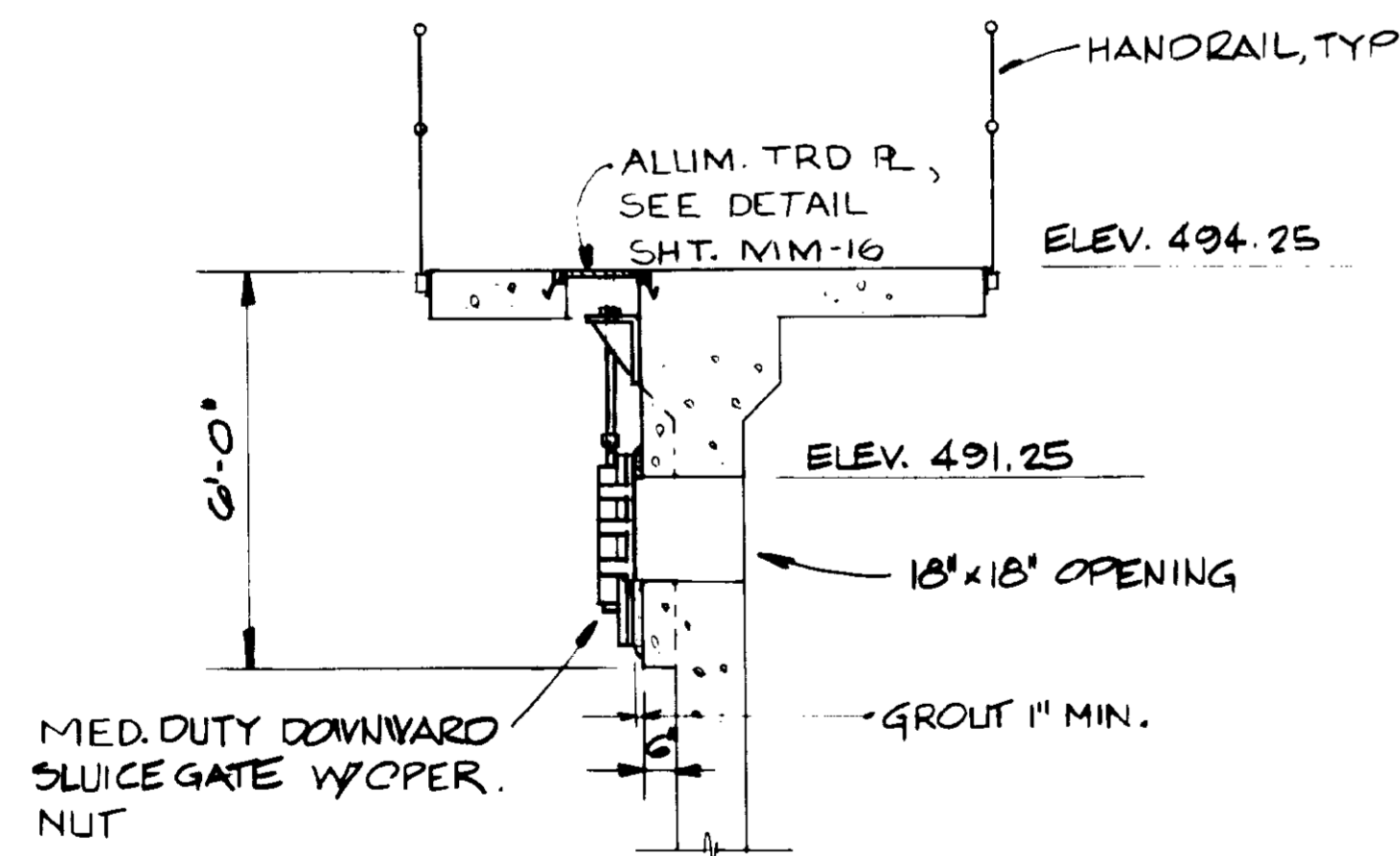
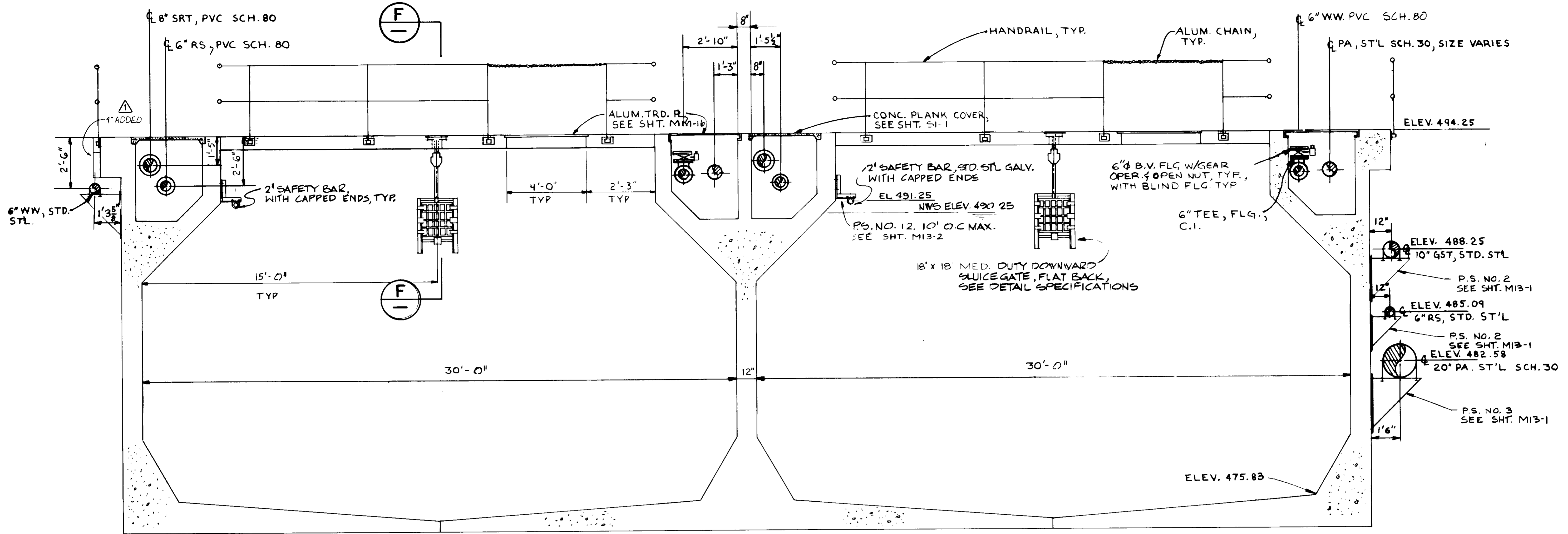
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.

PROCESS PIPING — PLAN III

SHEET M6-14

SCALE: 3/8" = 1'-0"	DESIGNED: R. WILHELM	DRAWN: Y. KATSURA	CHECKED: [Signature]	SUBMITTED: [Signature]	PROJECT MANAGER: [Signature]	PROJECT ADMINISTRATOR: [Signature]
REV. PER MEA - JCE	5/30/84 C.S.			14038 8-15-79	14894 8-15-79	14038 8-15-79
				R.C.E. NO.	R.C.E. NO.	R.C.E. NO.
				DATE	DATE	DATE

CONSULTING ENGINEERS
 A JOINT VENTURE
 6601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 933-9117



SECTION A

SECTION F

03297

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper
[Signature] RCE 14038
 KATSURA CONSULTING ENGINEERS March 1985

REV	DATE	BY	DESCRIPTION

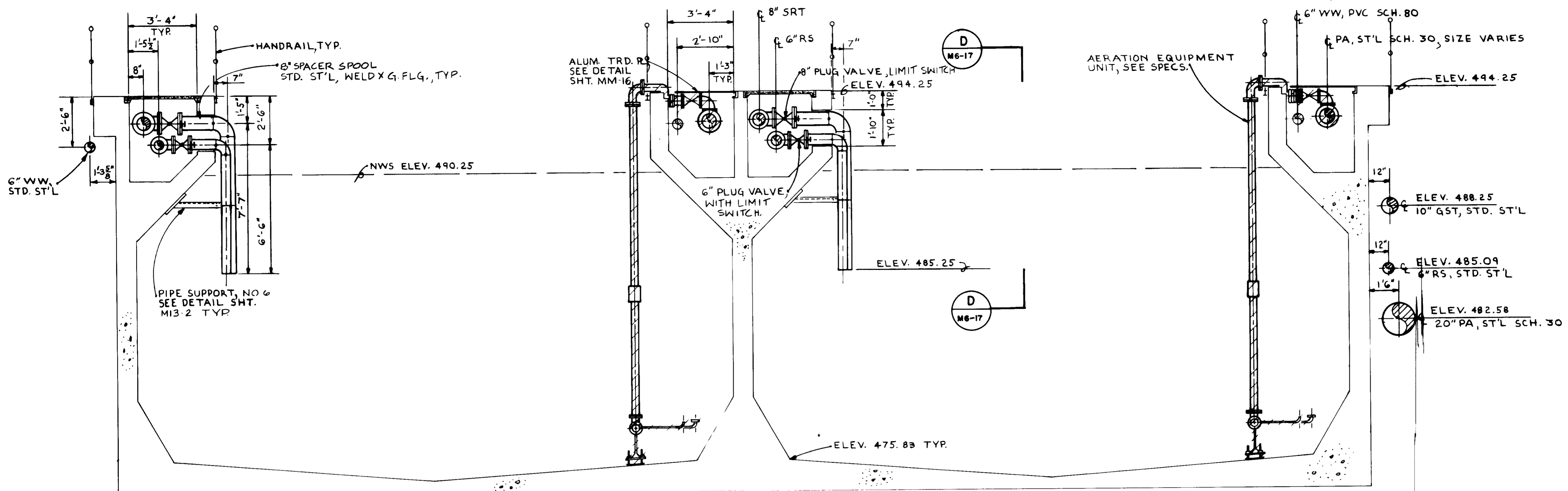
SCALE :	3/8" = 1'-0"
DESIGNED	J. LANG
DRAWN	Y. KATSURA
CHECKED	

SUBMITTED	<i>[Signature]</i>	14038	8-15-79
PROJECT MANAGER		R.C.E. NO.	DATE
PROJECT ADMINISTRATOR	<i>[Signature]</i>	14884	8-15-79
		R.C.E. NO.	DATE

JK CONSULTING ENGINEERS
 A JOINT VENTURE
 8601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 833-9117

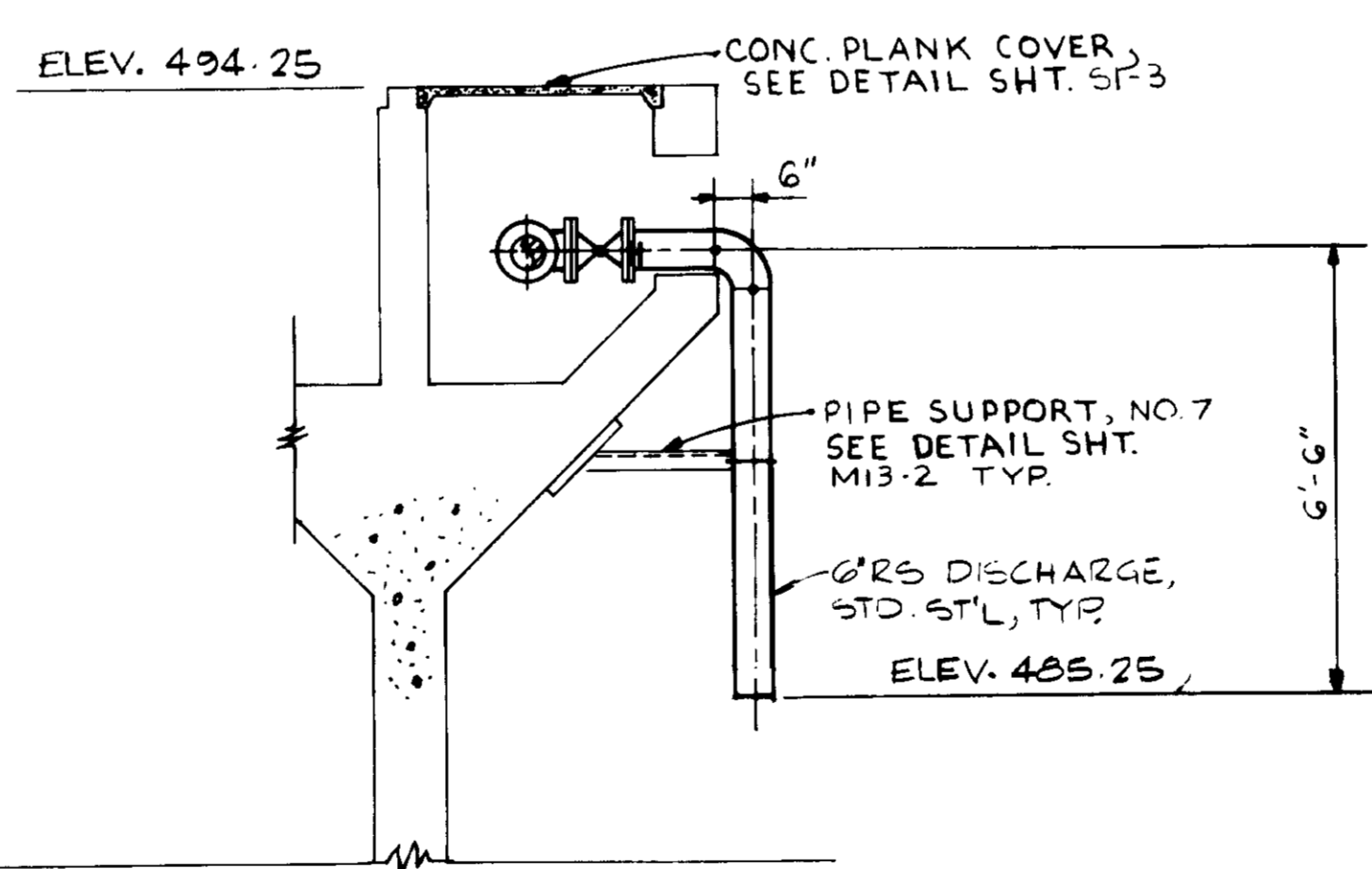
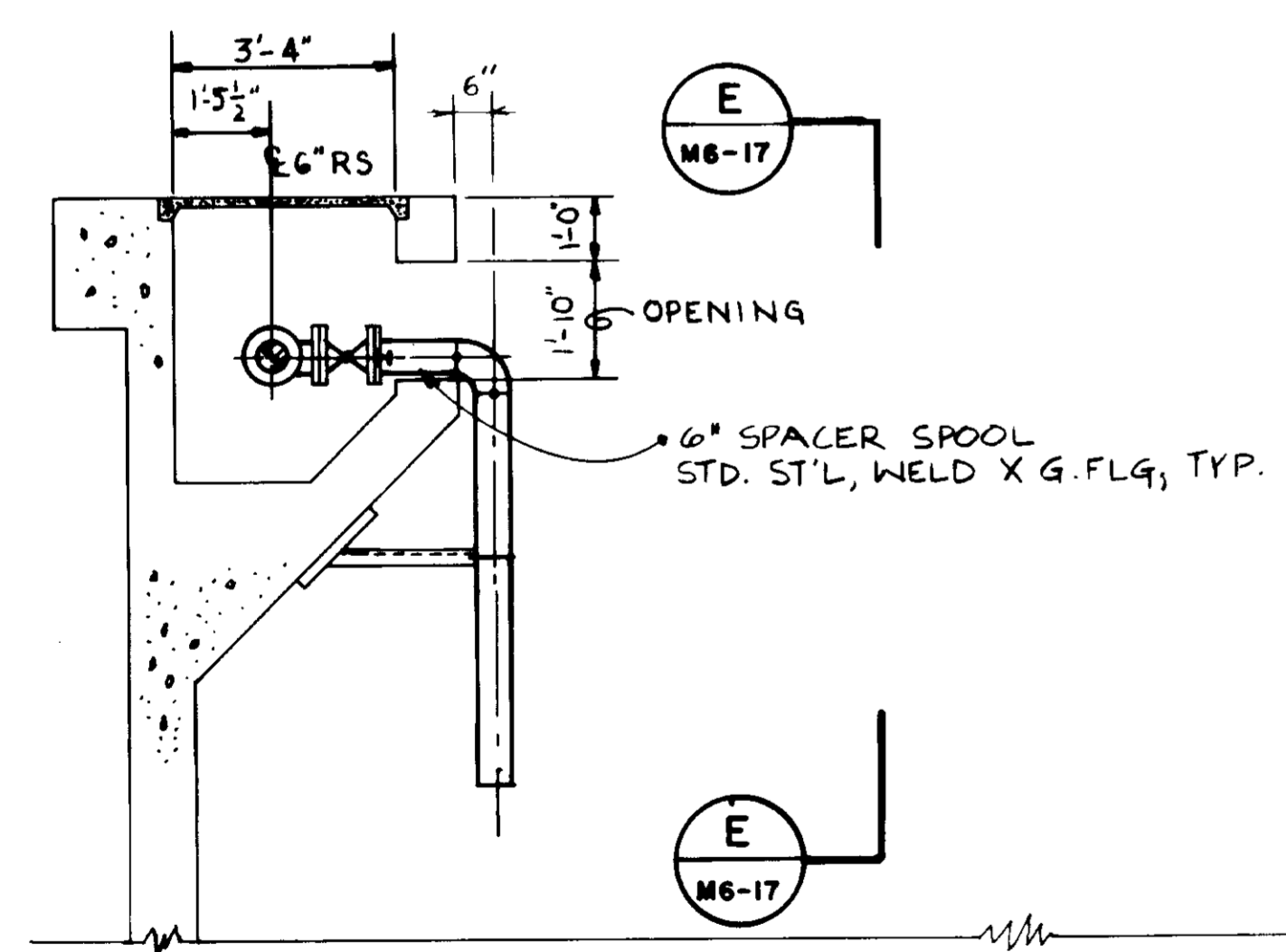
LAS VIRGENES MUNICIPAL WATER DISTRICT
 SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 PROCESS PIPING — SECTION A

SHEET
M6-15



NOTE: PIPE SUPPORTS INSIDE CHANNEL,
NOT SHOWN FOR CLARITY

SECTION B



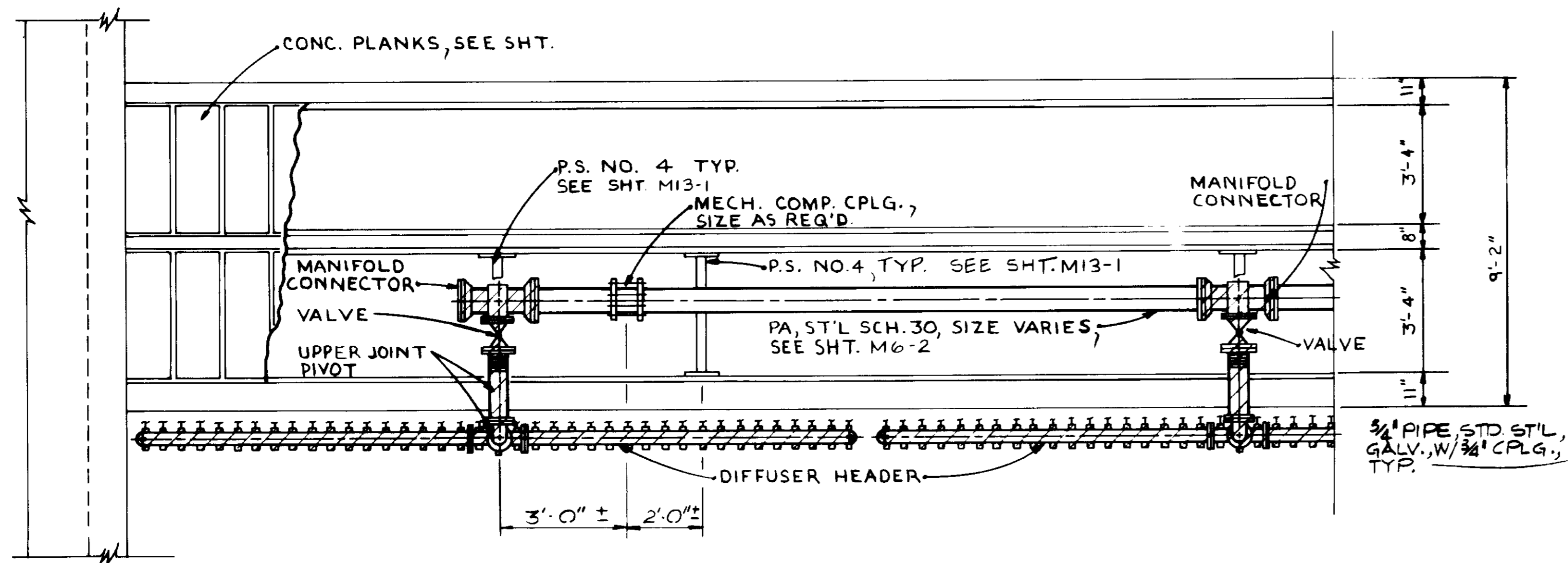
SECTION C

03298

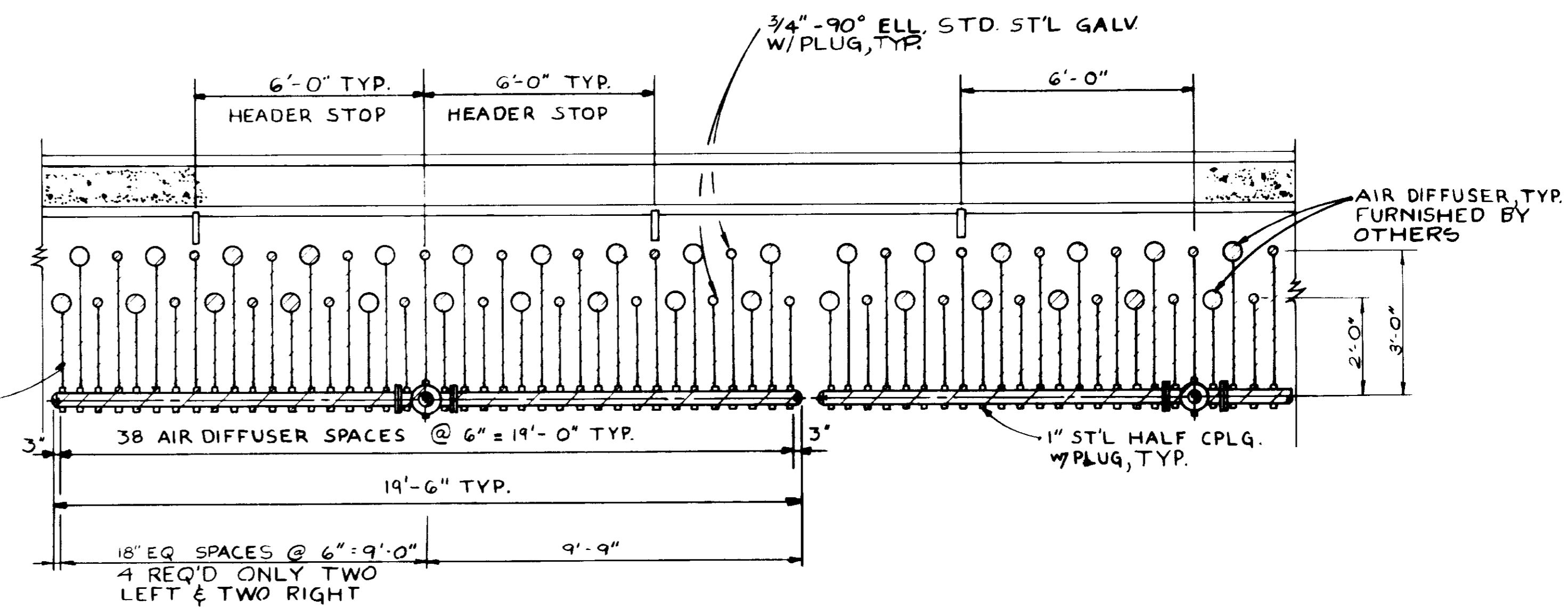
RECORD DRAWINGS
Per Field Information Provided by Morley-Ziebarth & Alper
[Signature]
KATSURA CONSULTING ENGINEERS RCE 14038 March 1985

SCALE: 3/8" = 1'-0"		C.S. / Y.K. DESIGNED: J. LANG DRAWN: Y. KATSURA CHECKED:	SUBMITTED: <i>[Signature]</i> 14038 8-15-79 PROJECT MANAGER: R.C.E. NO. DATE PROJECT ADMINISTRATOR: <i>[Signature]</i> 14804 8-15-79 R.C.E. NO. DATE	CONSULTING ENGINEERS A JOINT VENTURE 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016 (213) 933-9117	LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. PROCESS PIPING - SECTION B	SHEET M6-16
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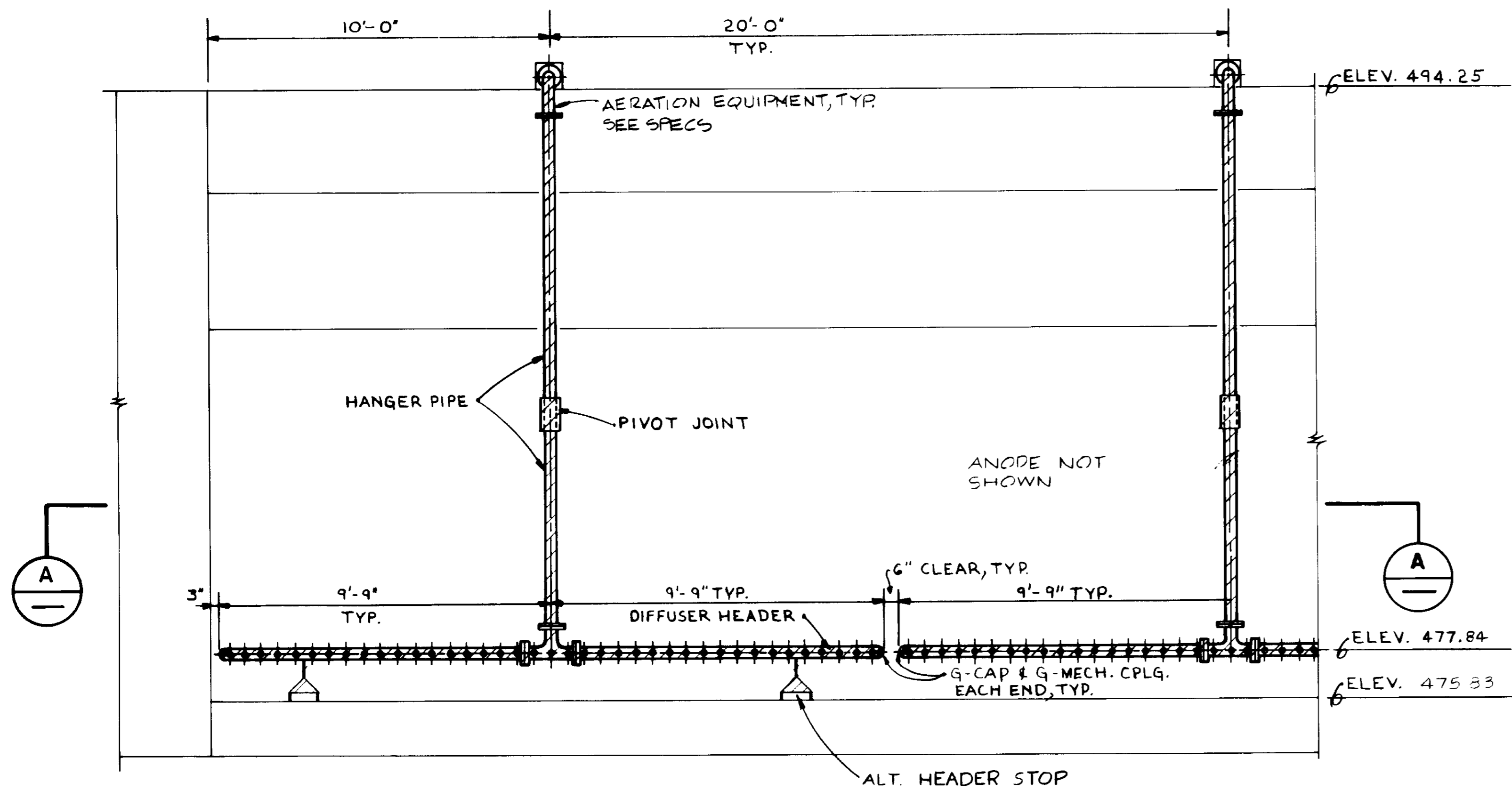
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION



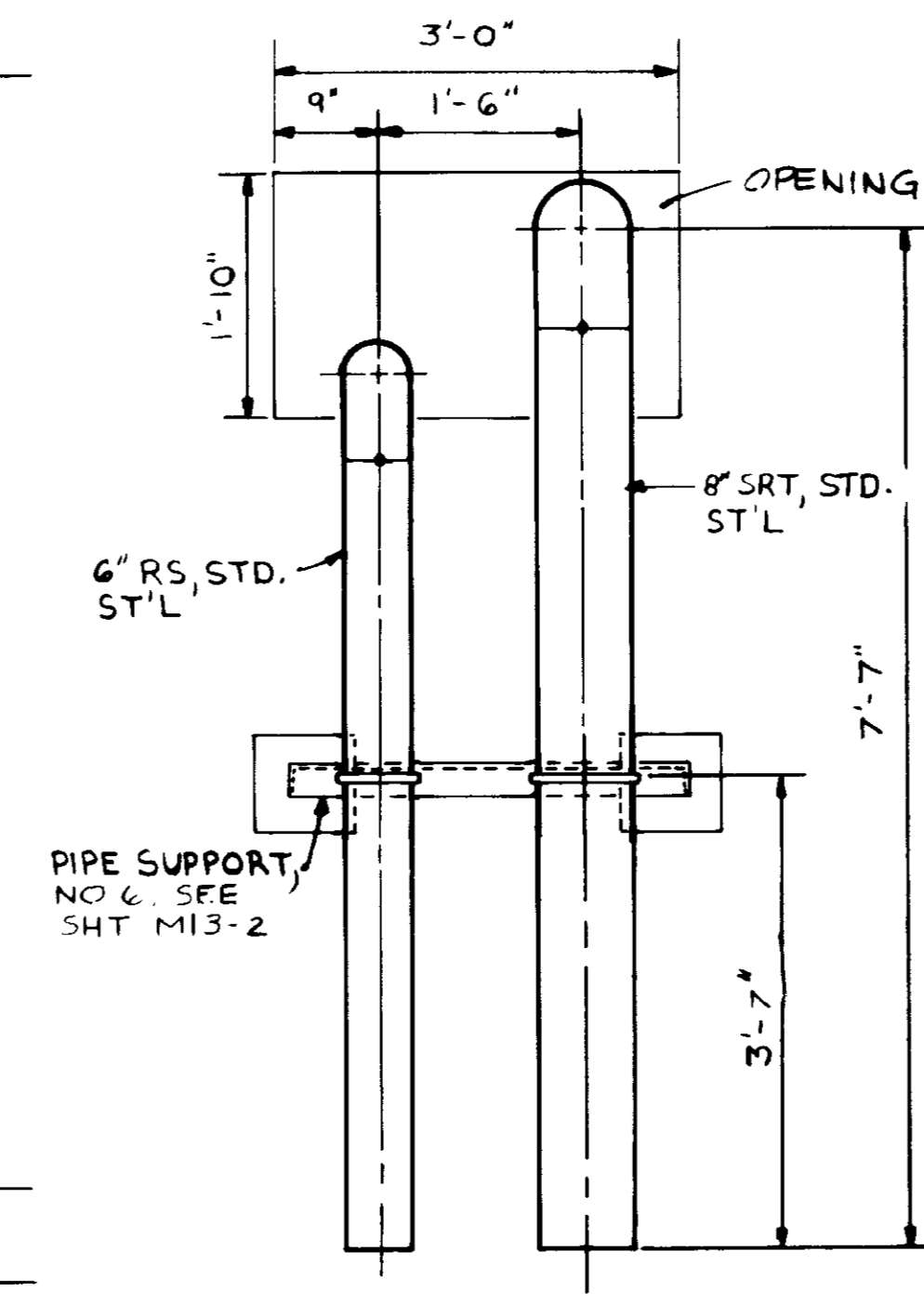
PLAN



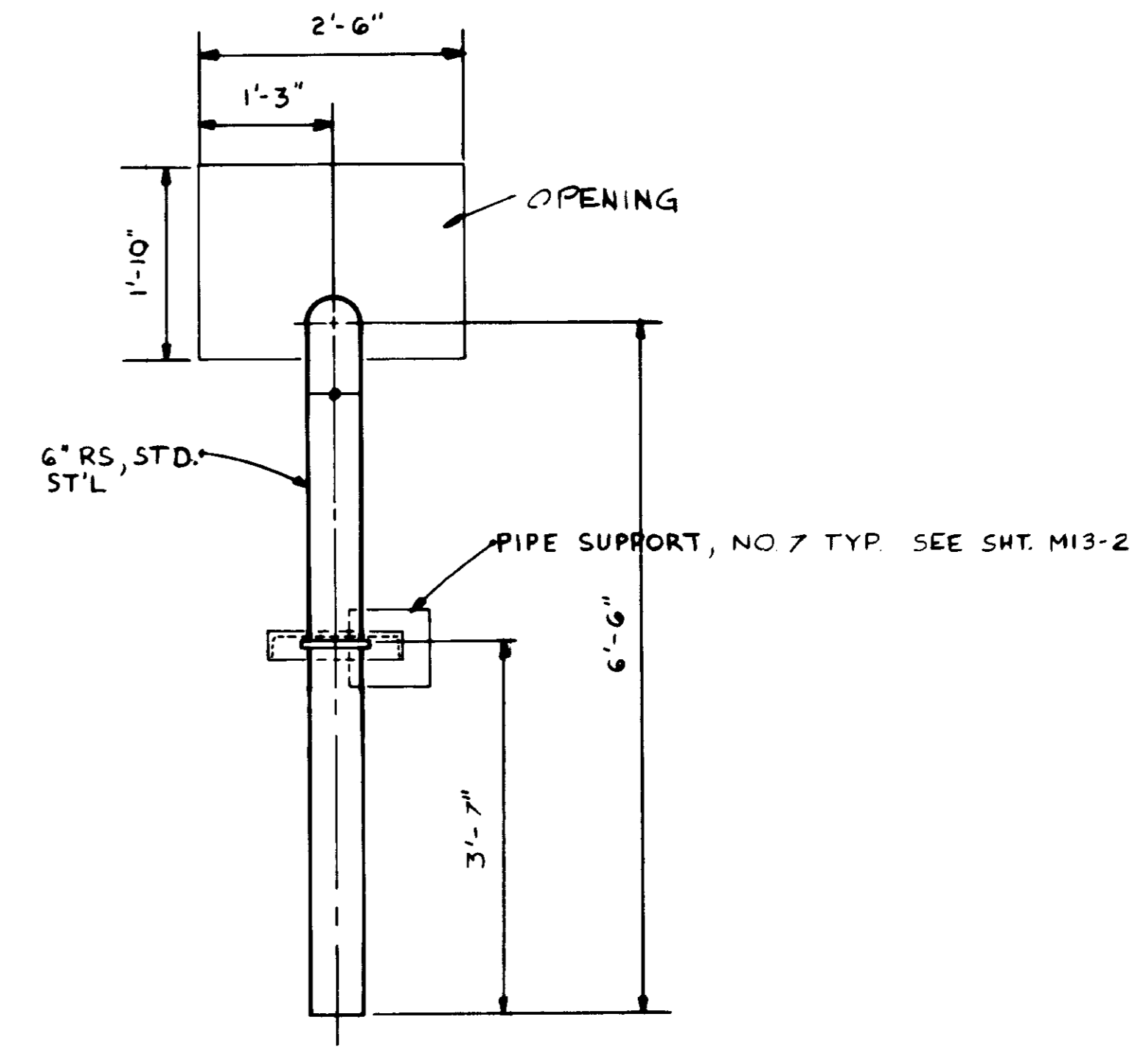
SECTION A



ELEVATION



SECTION D



SECTION E

SCALE 3/4" = 1'-0"

SCALE 3/4" = 1'-0"

03299

RECORD DRAWINGS

Per Field Information Provided by Morley-Ziebarth & Alper
Y. Katsura
 KATSURA CONSULTING ENGINEERS RCE 14038
 March 1985

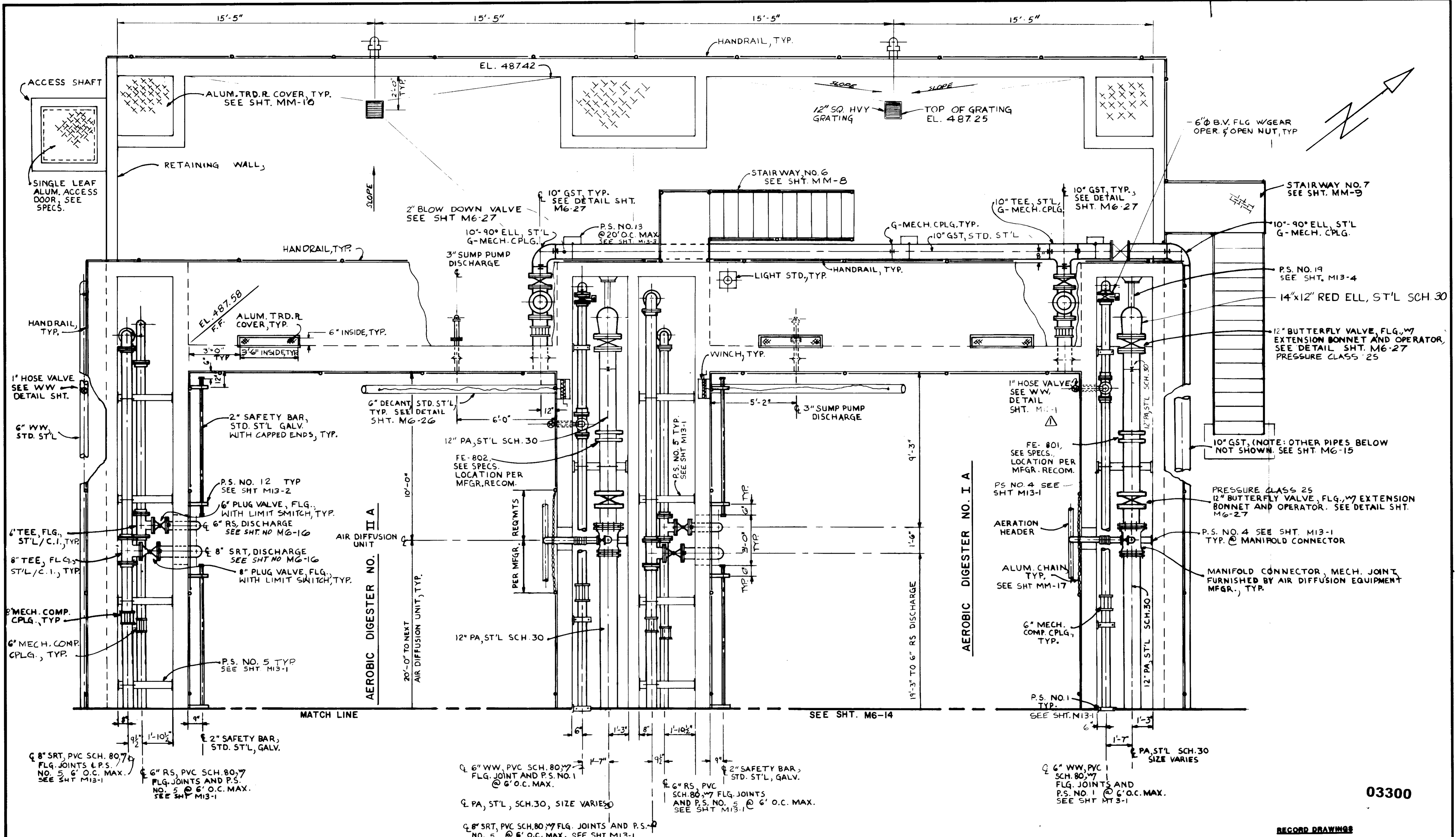
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SCALE :	C.S./Y.K.	SUBMITTED	14038	8-15-79
3/8" = 1'-0"	J. LANG	DESIGNED	R.C.E. NO.	DATE
	Y. KATSURA	DRAWN	14884	8-15-79
		CHECKED	R.C.E. NO.	DATE

JKC CONSULTING ENGINEERS
 A JOINT VENTURE
 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 833-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 AERATION & PROCESS PIPING-DETAILS

SHEET
M6-17



NOTE: PROCESS PIPING CHANNEL COVERS NOT SHOWN FOR CLARITY.

PLAN

03300

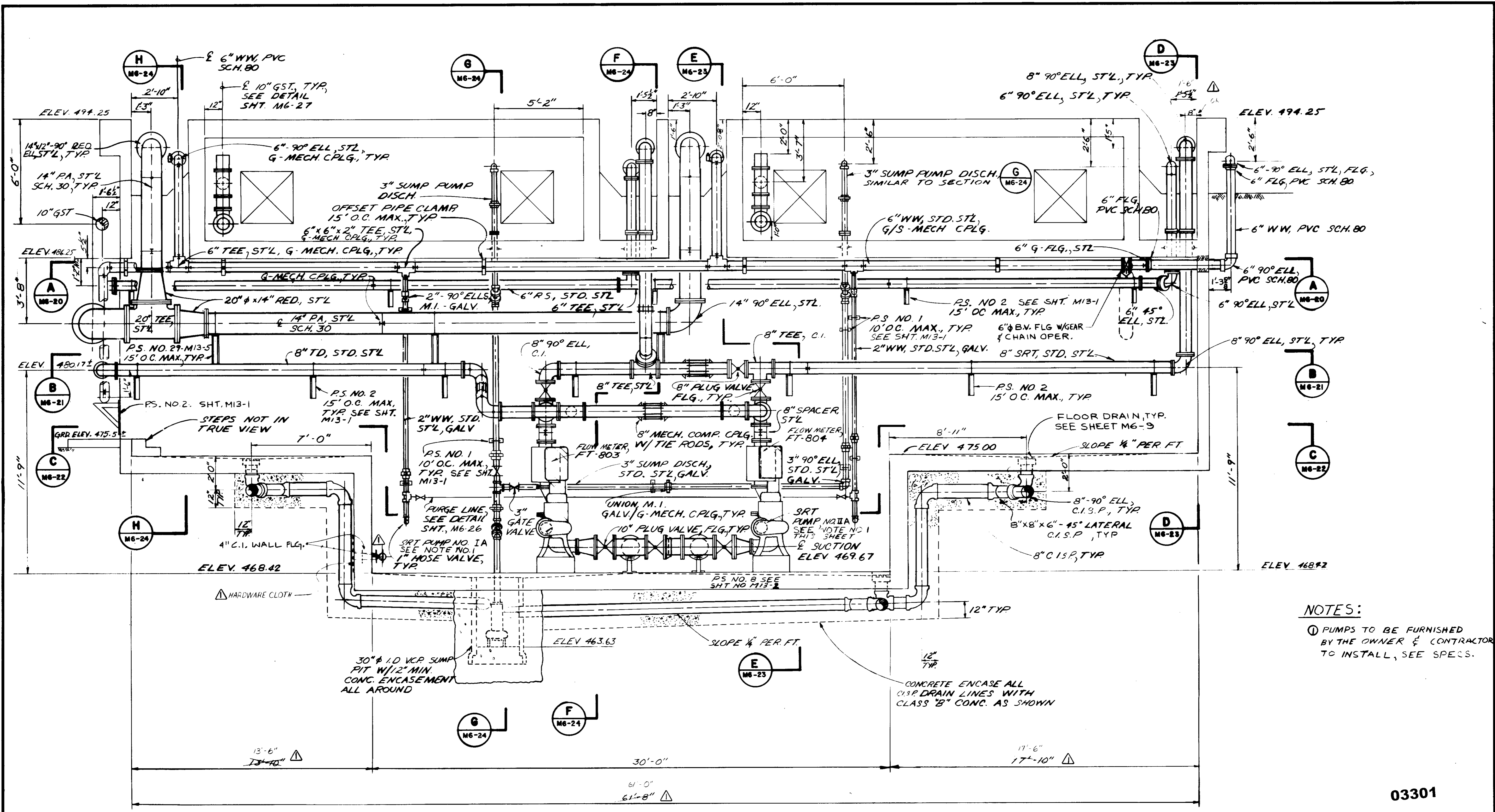
RECORD DRAWINGS
 Per Field Information Provided by Morley-Ziebarth & Alper
[Signature]
 KATSURA CONSULTING ENGINEERS
 RCE 14038
 March 1985

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

SCALE :	A.P./Y.K./V.S.	SUBMITTED	14038	8-15-79
3/8" = 1'-0"	G. WINKLER	DESIGNED	R.C.E. NO.	DATE
	Y. KATSURA	DRAWN	14884	9-15-79
	CHECKED	PROJECT ADMINISTRATOR	R.C.E. NO.	DATE

JK CONSULTING ENGINEERS
 A JOINT VENTURE
 8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 GALLERY NO. 8 — PLAN
 SHEET
M6-18



NOTES:
 ① PUMPS TO BE FURNISHED BY THE OWNER & CONTRACTOR TO INSTALL, SEE SPECS.

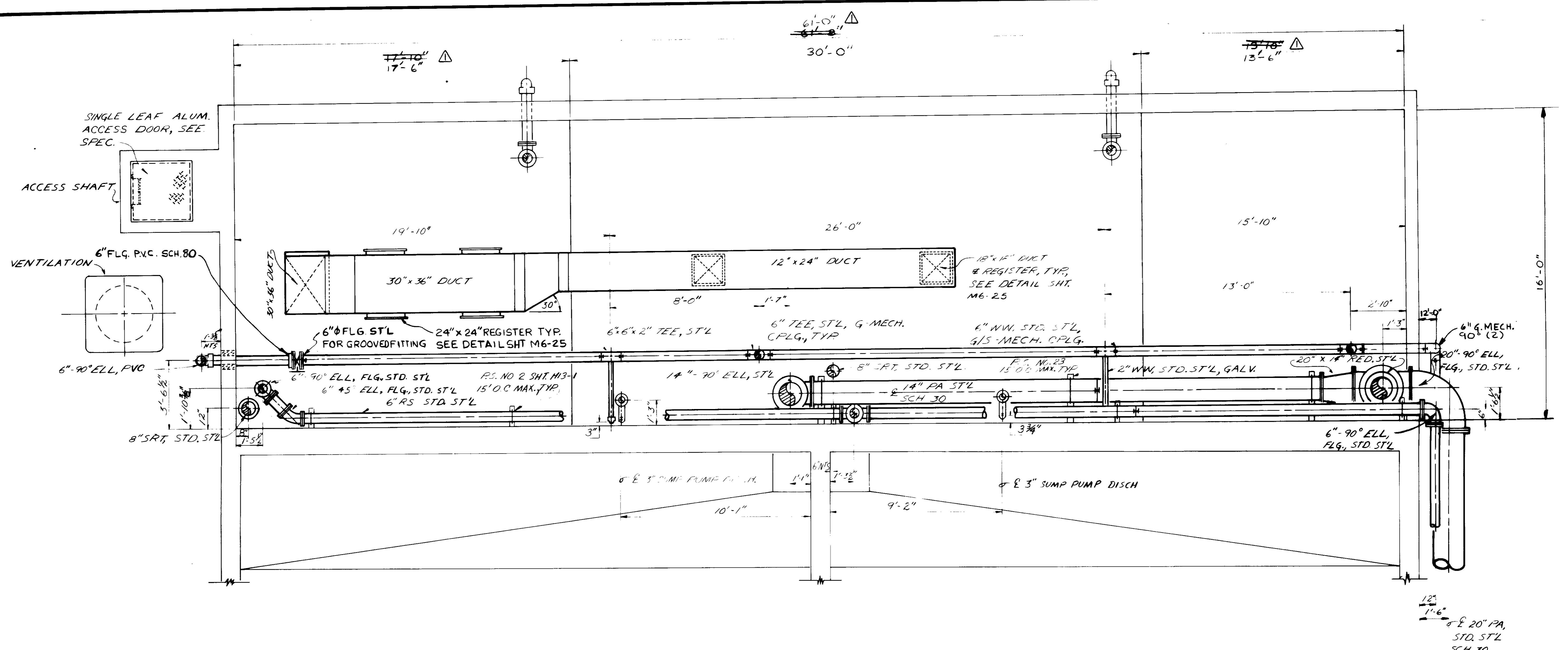
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 Per Field Information Provided by Morley-Ziebarth & Alper
[Signature]
 KATSURA CONSULTING ENGINEERS RCE 14038
 March 1988

03301

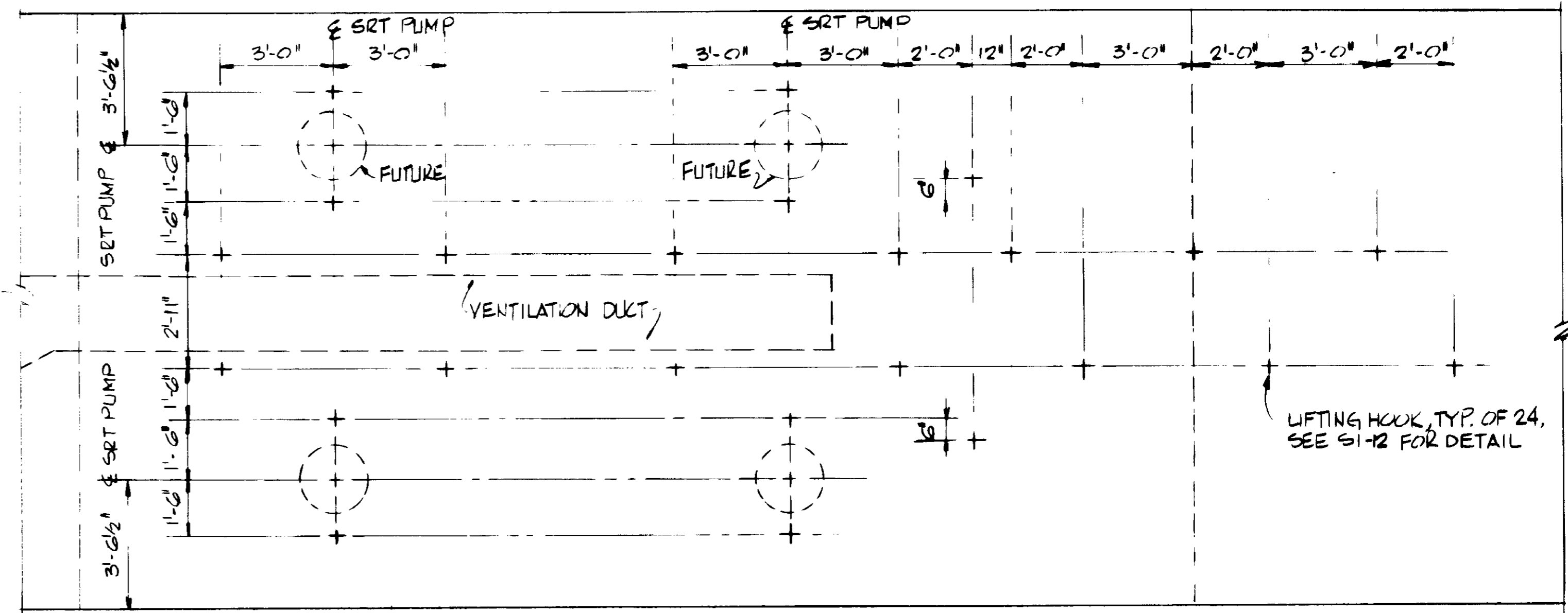
ELEVATION

REF. SHOP DNG.: COB-D123

SCALE: 3/8" = 1'-0" DESIGNED: J. LANG DRAWN: Y. KATSURA CHECKED:		V.S. / A.P. / Y.K. DESIGNED: J. LANG DRAWN: Y. KATSURA CHECKED:		SUBMITTED: <i>[Signature]</i> PROJECT MANAGER: R.C.E. NO. 14038 DATE: 8-15-79		CONSULTING ENGINEERS JOINT VENTURE 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018 (213) 833-9117		LAS VIRGENES MUNICIPAL WATER DISTRICT SOLIDS HANDLING FACILITIES AT TAPIA W.R.F. GALLERY NO. 8 — ELEVATION		SHEET M6-19	
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION				



SECTION A



RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alger
[Signature] RCE 14038
 KATSURA CONSULTING ENGINEERS March 1985

PLAN 03302

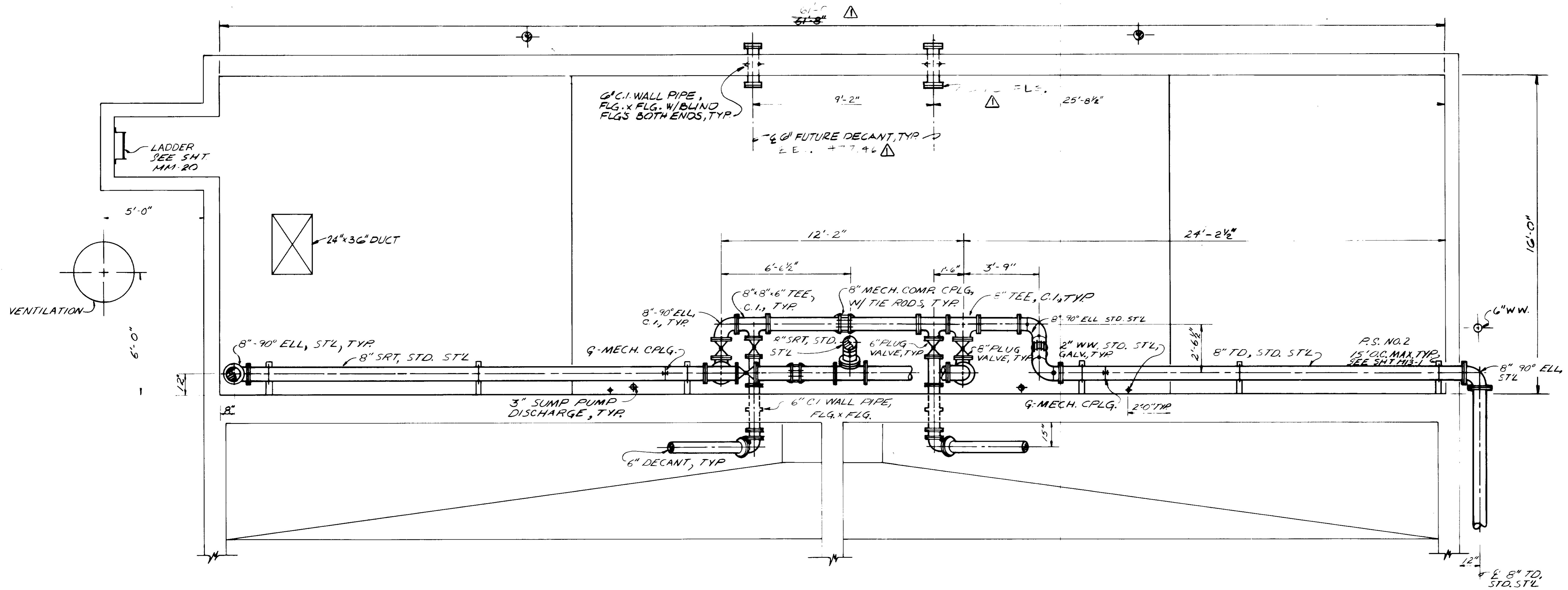
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SCALE :	A.P. / Y.K.	SUBMITTED	14038	8-15-79
3/8" = 1'-0"	J. LANG	DESIGNED	R.C.E. NO.	DATE
	Y. KATSURA	DRAWN	14884	8-15-79
		CHECKED	PROJECT ADMINISTRATOR	R.C.E. NO. DATE

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LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 GALLERY NO. 8 — PLAN SECTION A

SHEET M6-20



SECTION B

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alber

Y. Katsura
KATSURA CONSULTING ENGINEERS

RCE 14038
March 1986

03303

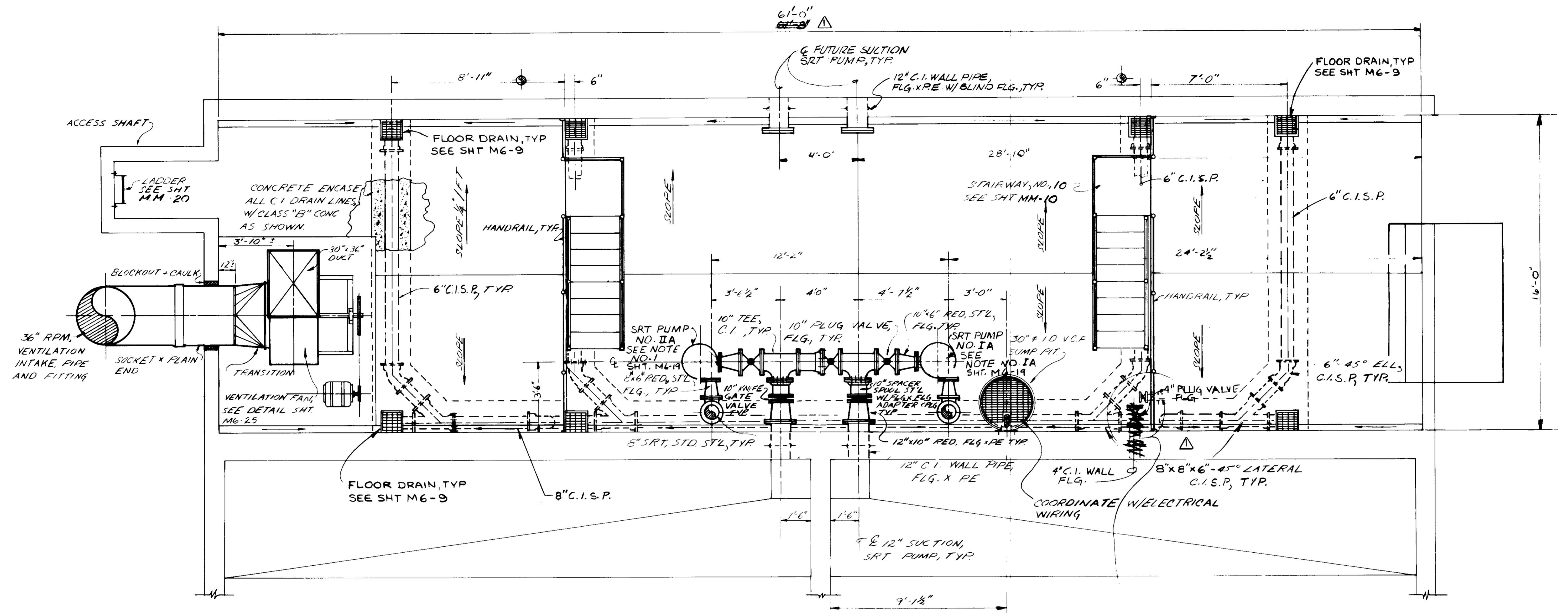
REV	DATE	BY	DESCRIPTION

SCALE : 3/8" = 1'-0"	DESIGNED J. LANG	PROJECT MANAGER <i>Y. Katsura</i>	SUBMITTED 14038 8-15-79
	DRAWN Y. KATSURA	PROJECT ADMINISTRATOR <i>Y. Katsura</i>	R.C.E. NO. DATE
	CHECKED		14034 8-15-79

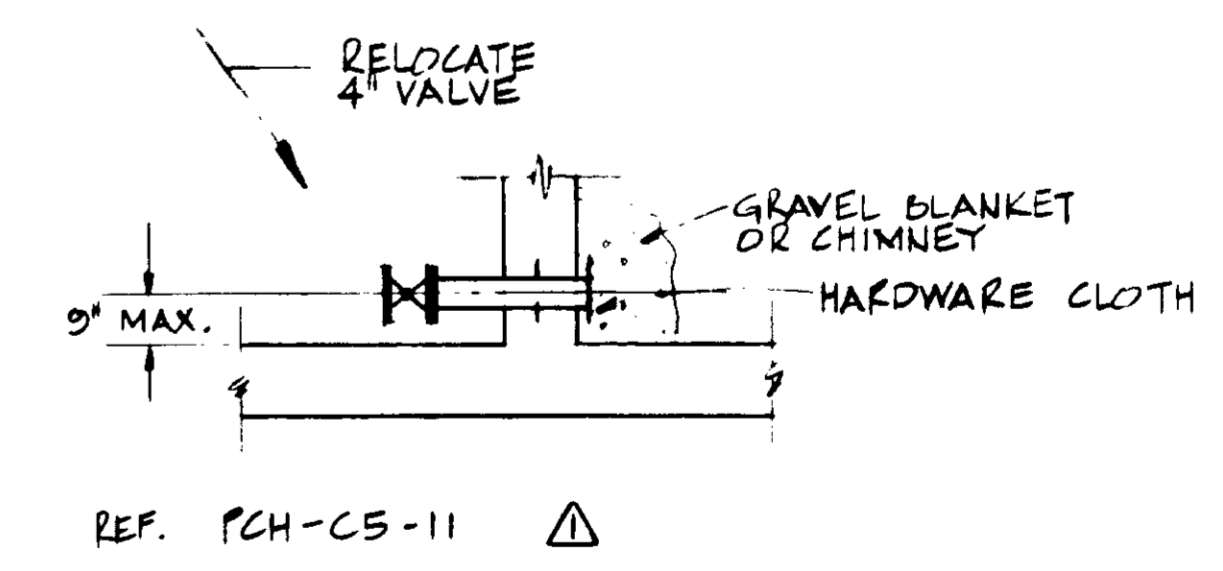
JK CONSULTING ENGINEERS
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8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
(213) 833-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
GALLERY NO. 8 — PLAN SECTION B

SHEET
M6-21



SECTION C



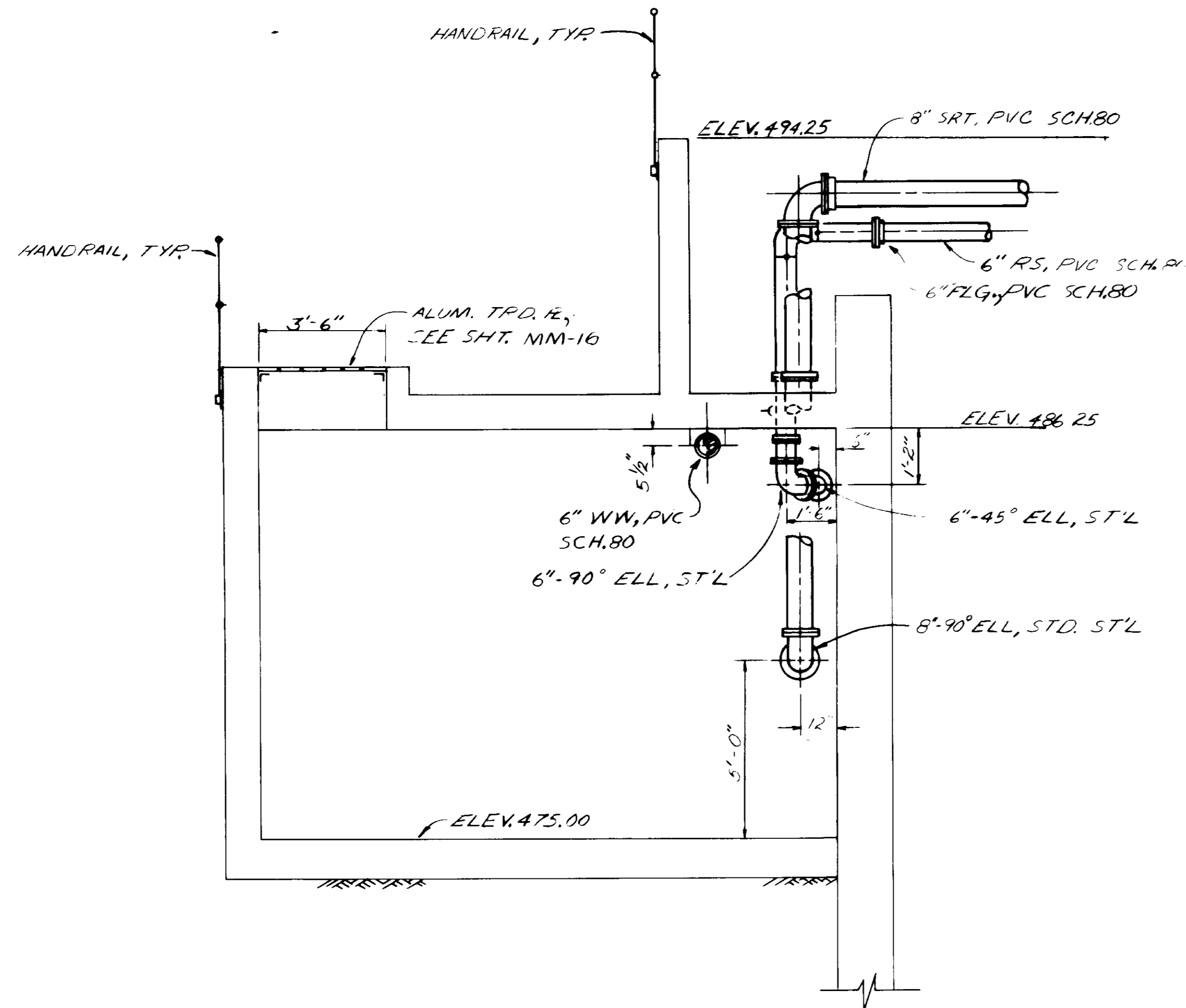
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SCALE :	V.S. / A.P. / Y.K.	SUBMITTED	14038	8-15-79
3/8" = 1'-0"	DESIGNED	J. LANG	R.C.E. NO.	DATE
	DRAWN	Y. KATSURA	14894	8-15-79
	CHECKED	PROJECT ADMINISTRATOR	R.C.E. NO.	DATE

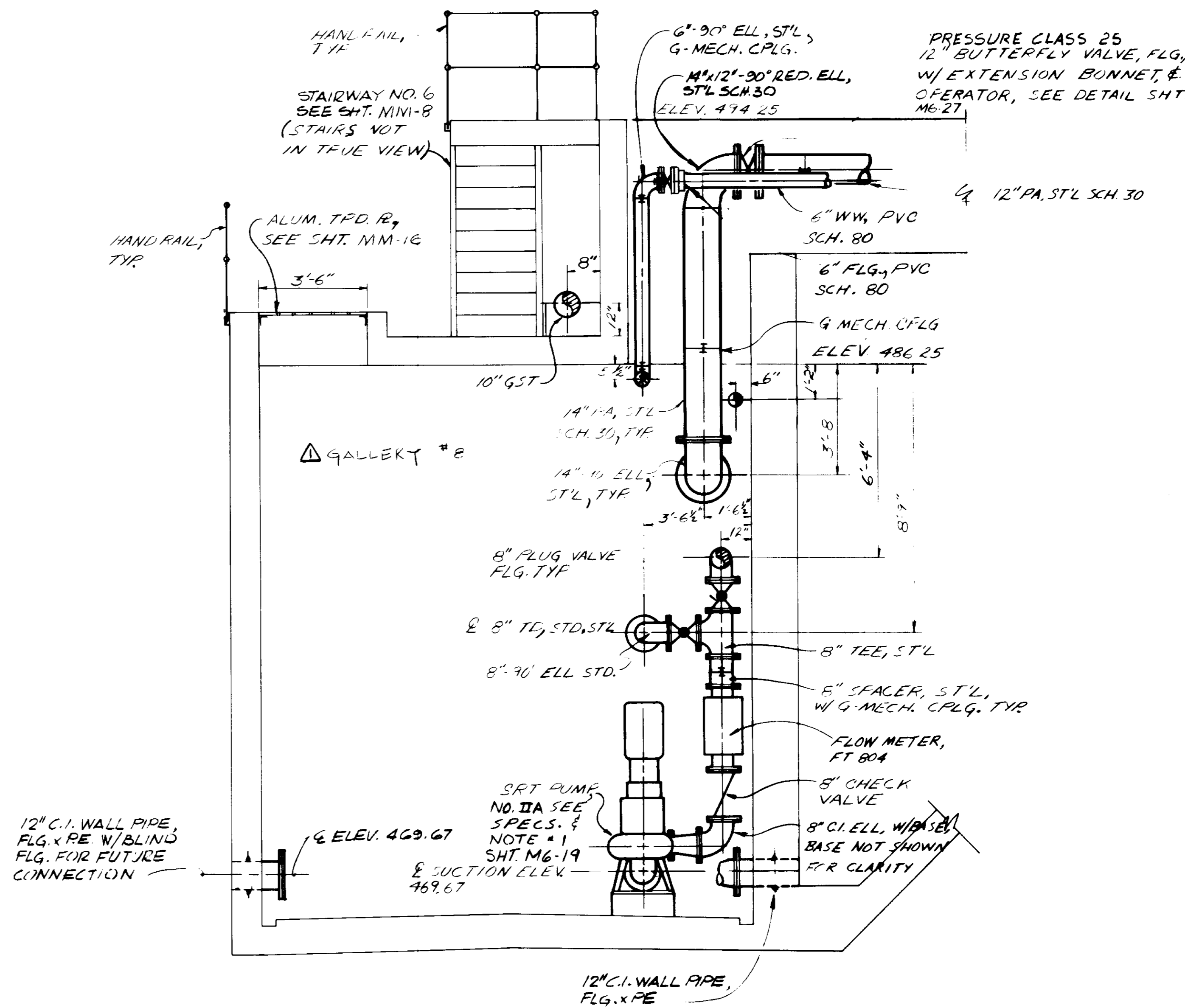
JK CONSULTING ENGINEERS
 A JOINT VENTURE
 8801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 933-9117

RECORD DRAWINGS
 Per Field Information Provided By Morley-Ziebarth & Alper
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 GALLERY NO. 8 — PLAN SECTION C

SHEET
M6-22



SECTION D



SECTION E

03305

RECORD DRAWINGS

Per Field Information Provided By Morley-Ziebarth & Alper

Y. Katsura RCE 14038
 KATSURA CONSULTING ENGINEERS March 1985

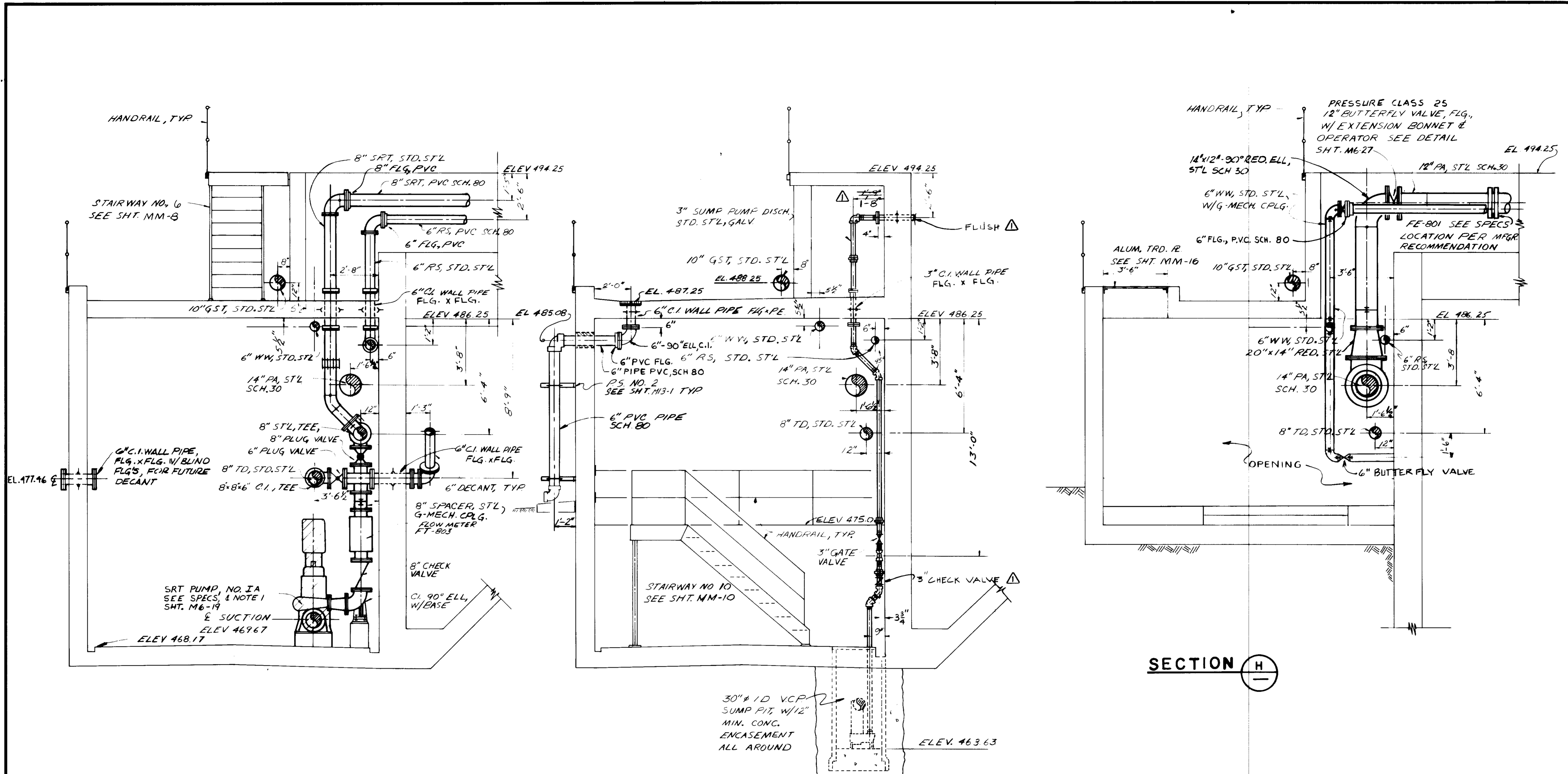
REV	DATE	BY	DESCRIPTION

SCALE :	V.S. / A.P. / Y.K.	SUBMITTED:	14038	8-15-79
3/8" = 1'-0"	S. CALDERON	DESIGNED:	R.C.E. NO.	DATE
		DRAWN:		
		CHECKED:		
			14884	8-15-79
			R.C.E. NO.	DATE

JKC CONSULTING ENGINEERS
 A JOINT VENTURE
 5601 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90018
 (213) 835-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 GALLERY NO. 8 — ELEVATION SECTION D & E

SHEET
M6-23



SECTION F

SECTION G

SECTION H

03306

RECORD DRAWING
 Per Field Information Provided By Morley-Ziebarth & Alper
Y. Katsura
 RGE 14038
 KATSURA CONSULTING ENGINEERS March 1985

REV	DATE	BY	DESCRIPTION

SCALE :	3/8" = 1'-0"
DESIGNED	R. WILHELM
DRAWN	Y. KATSURA
CHECKED	
VS. / A.P. / Y.K.	
SUBMITTED	
PROJECT MANAGER	
PROJECT ADMINISTRATOR	

JK CONSULTING ENGINEERS
 A JOINT VENTURE
 5801 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA 90016
 (213) 933-9117

LAS VIRGENES MUNICIPAL WATER DISTRICT
SOLIDS HANDLING FACILITIES AT TAPIA W.R.F.
 ELEVATION SECTIONS F,G & H
 GALLERY NO. 8

SHEET
M6-24