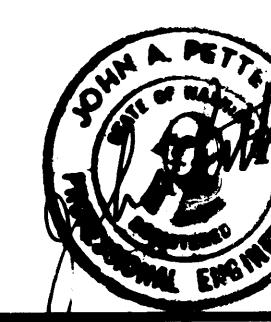


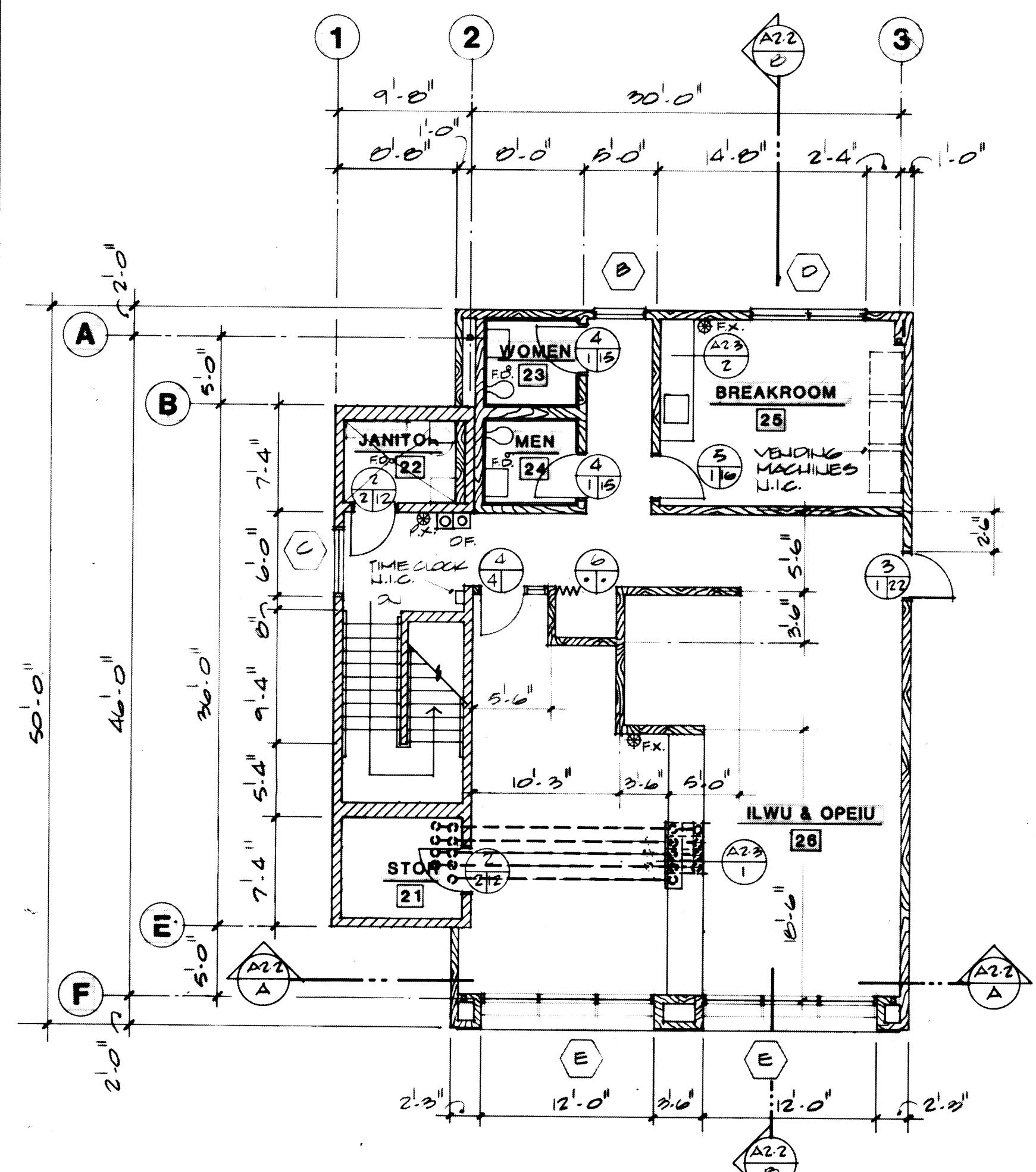
SCALE IN FEET

DRAWN	PORT OF TACOMA			
DATE	TACOMA TERMINALS, INC.			
CHECKED <i>J.T.P.</i>		P.T.S., AIR, & LUBE OIL LINES		
DATE	5-30-84			
CHECKED <i>J.P.</i>		RE-CHECKED <i>J.P.</i>		
DATE	5-30-84			
CONT. NO.	560			
FIELD BOOK (S)		SCALE AS NOTED		
APPROVED	5/2/84			
DRAWING NO.		EP-3000-23-M108		
PROJECT MANAGER	DATE			
<i>R. MacLeod</i>		5/31/84		
CHIEF ENGINEER	DATE			
		71 of 88		



Whitacre Engineers, Inc.
Civil, Structural, Electrical & Land Planning
301 10th Street, P.O. Box 507
Tacoma, Washington 98401-5070

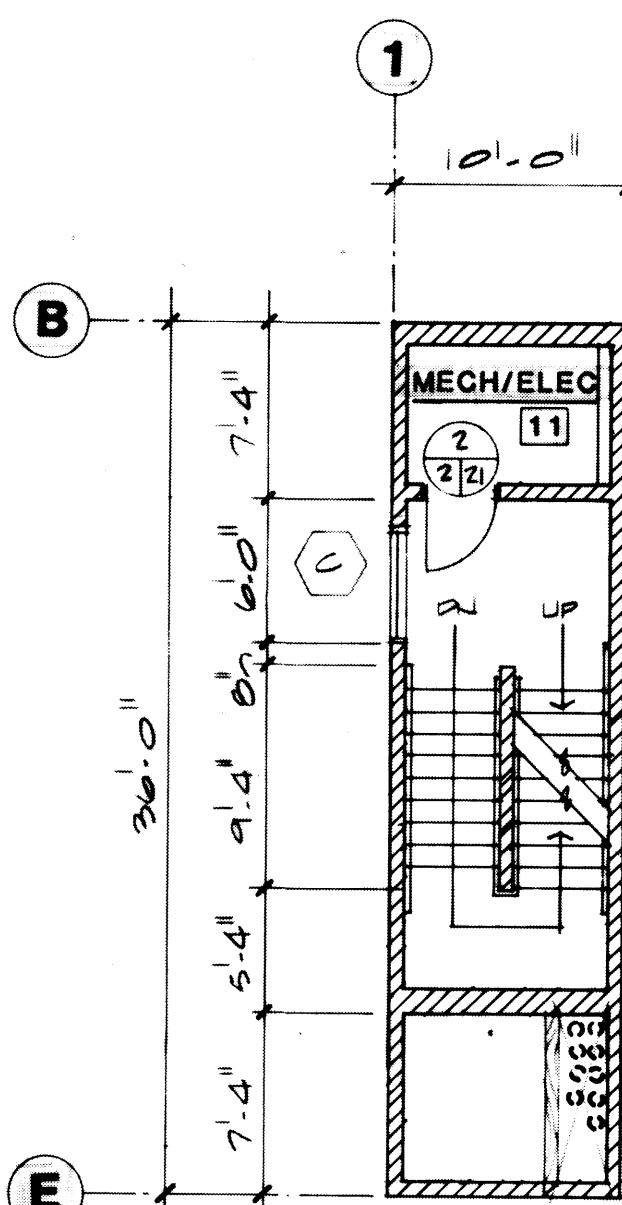
BANK	REVISED TO AS BUILT			B.J.S.	12/6/84
	REVISION	BY	APP. DATE		



SECOND FLOOR LEVEL

NORTH

NORTH



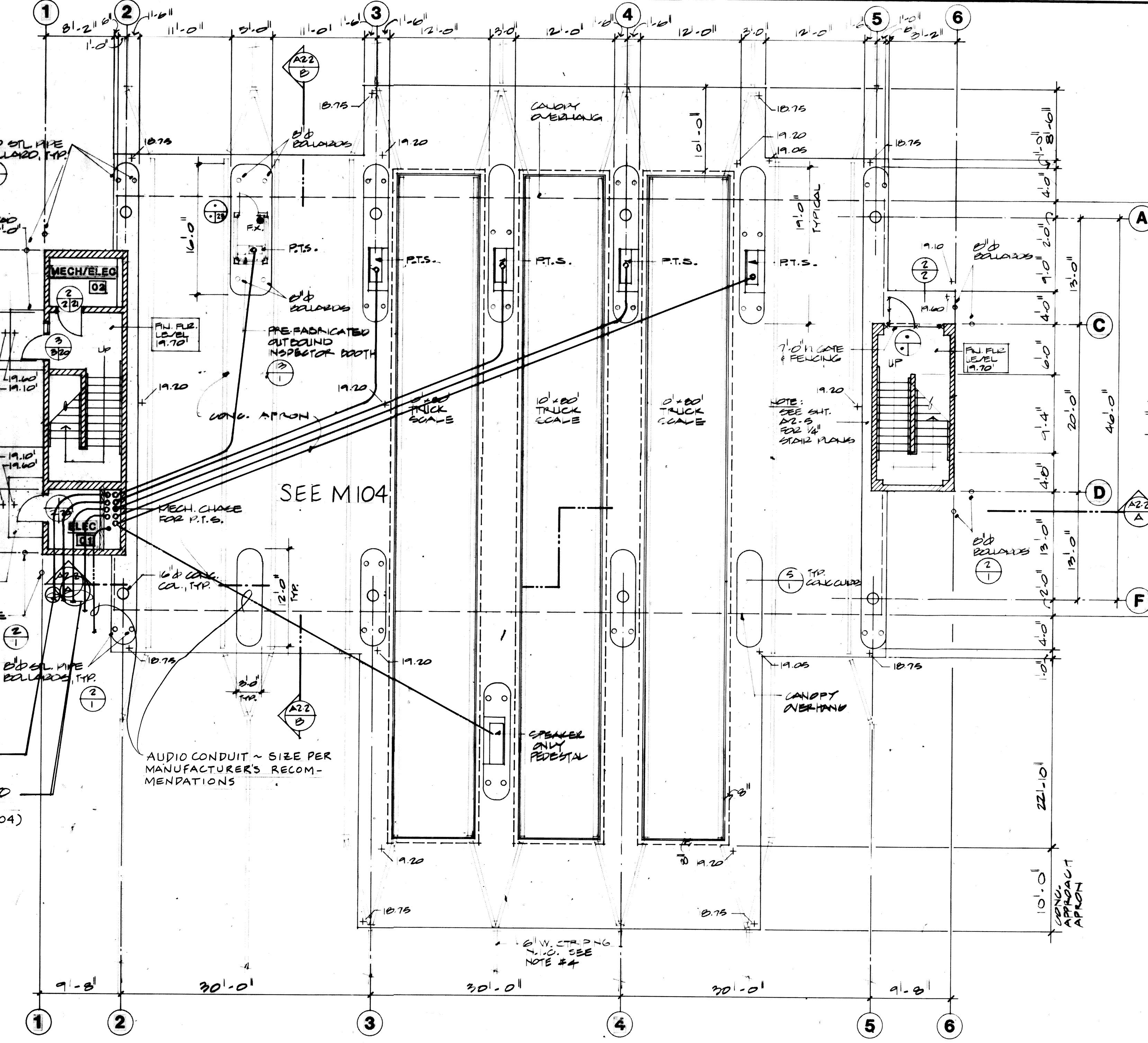
INTERMEDIATE STAIR LANDING

DORTH

- (1) POINT TO POINT MESSENGER SYSTEM TO CPS BUILDING —

(3) PNEUMATIC TUBE SYSTEM TO DOMESTIC PRE-ENTRY GATE UNDER 11TH STREET E. (SEE M104)

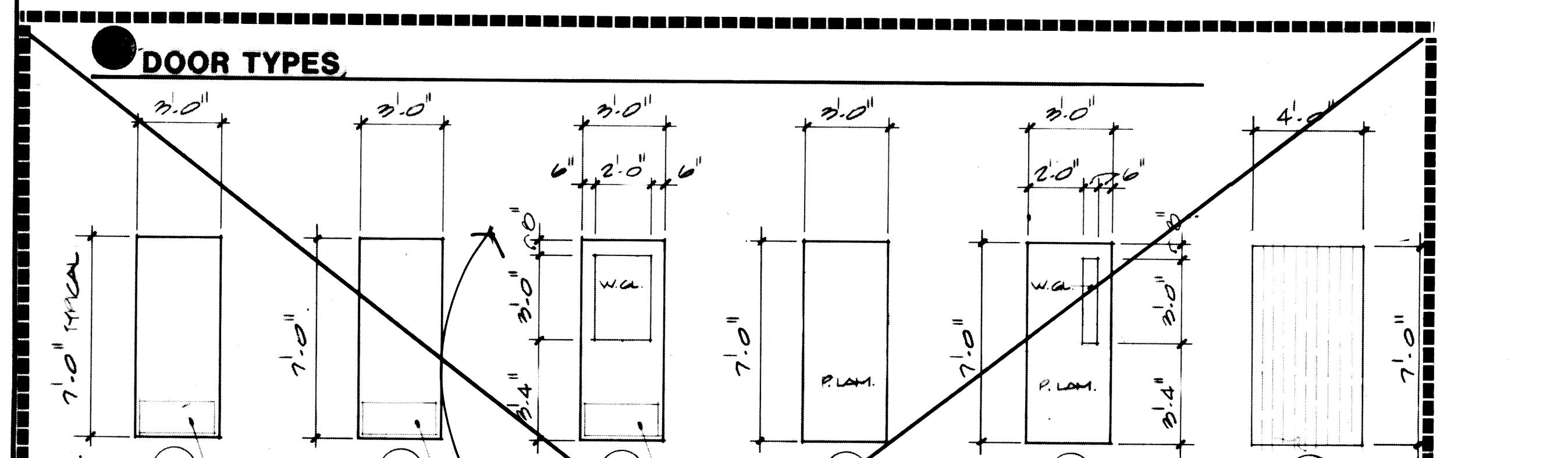
AUDIO CONDUIT ~ SIZE PER
MANUFACTURER'S RECOM-
MENDATIONS



FIRST FLOOR LEVEL

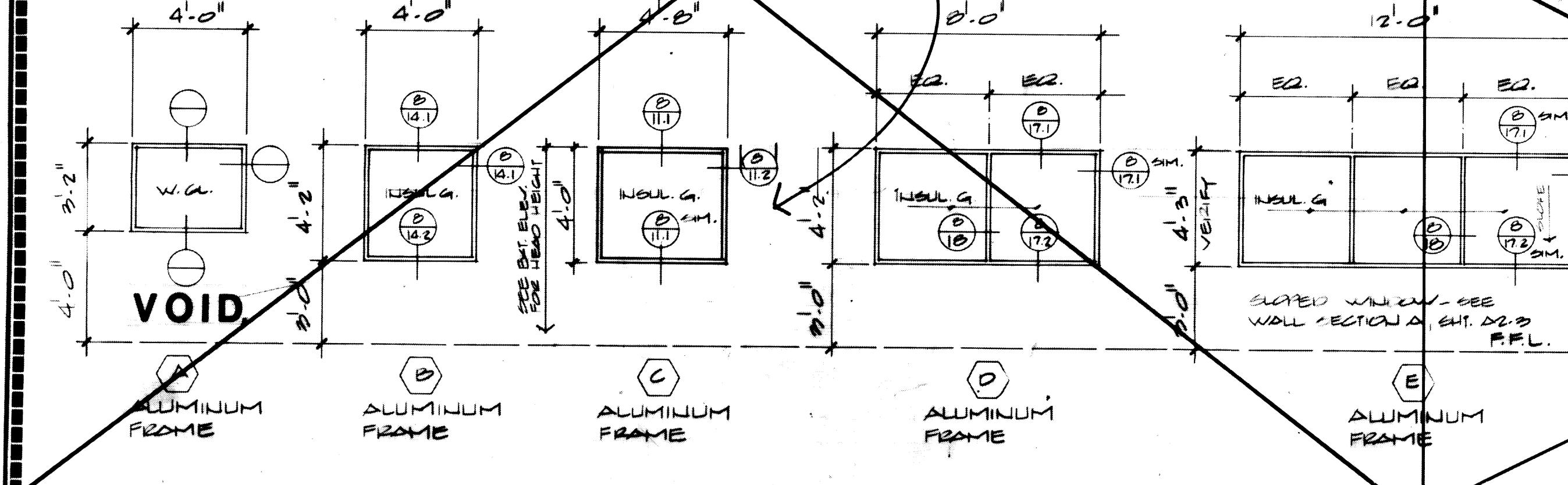
SCALE 1/8" : 1'-0"

ATH



EXTERIOR WINDOW TYPES

WINDOW TYPES



VOID

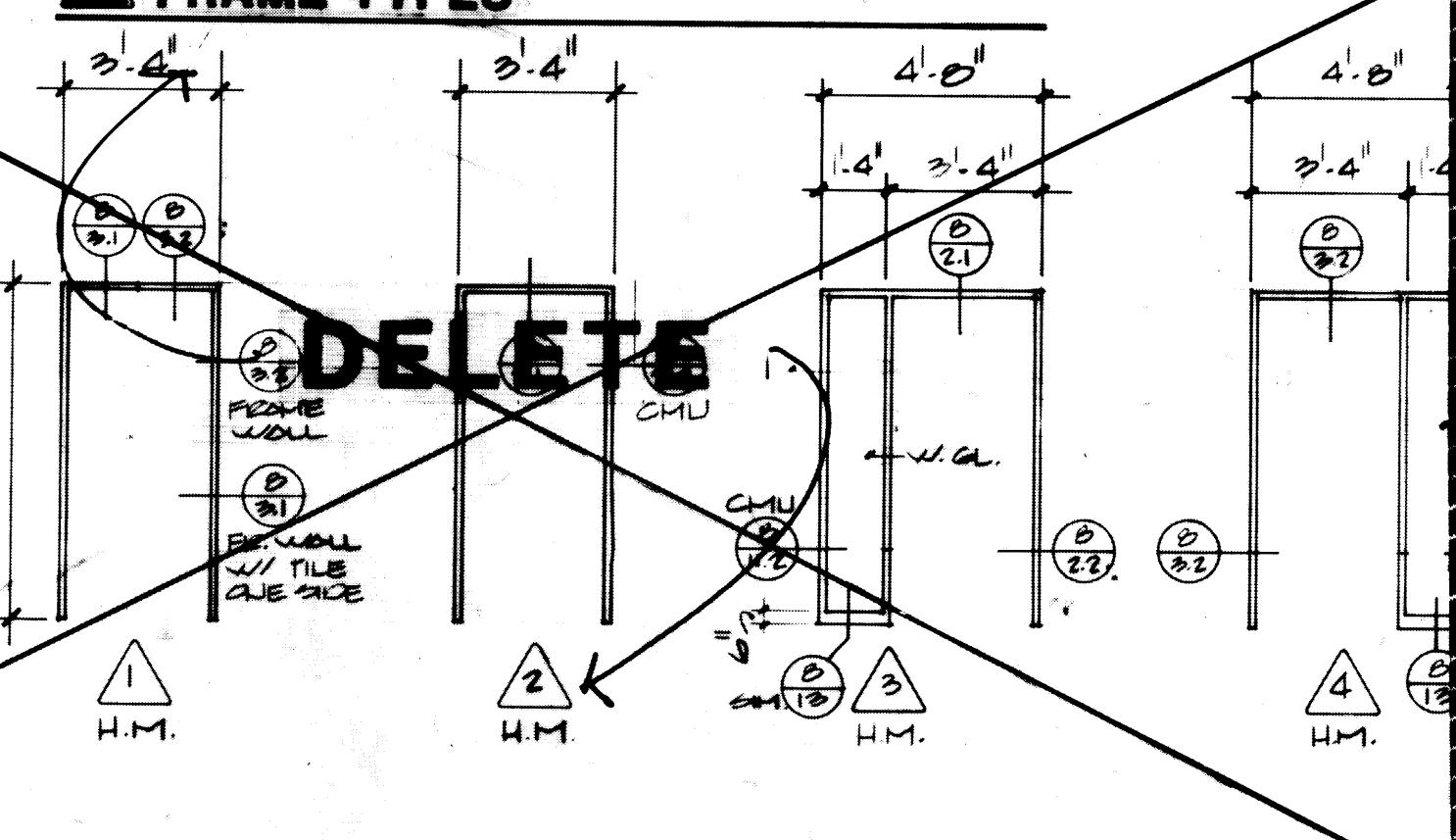
~~ALUMINUM~~

 ALUMINUM

C ALUMINUM

ALUMINUM

FRAME TYPES



~~DE STO~~

~~NOTES:~~

1. CONSTRUCTION OF CONCRETE PITS FOR TRUCK SCALES ARE PART OF THIS CONTRACT. SEE STRUCTURAL DRAWINGS FOR DETAILS. CONTRACTOR IS RESPONSIBLE FOR GENERAL CONDITIONS TO COORDINATE WITH THE TRUCK SCALE SUPPLIER AND INSTALLER WHICH ARE UNDER SEPARATE CONTRACT.

~~2. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH PNEUMATIC TUBE SYSTEM (P.T.S.) SUPPLIER AND INSTALLER ON ALL PHASES OF SYSTEM INSTALLATION WHICH ARE UNDER SEPARATE CONTRACT. THIS SHALL INCLUDE SCHEDULING OF PLACEMENT OF THE UNDER-GROUND TUBE SYSTEM AND CONNECTIONS.~~

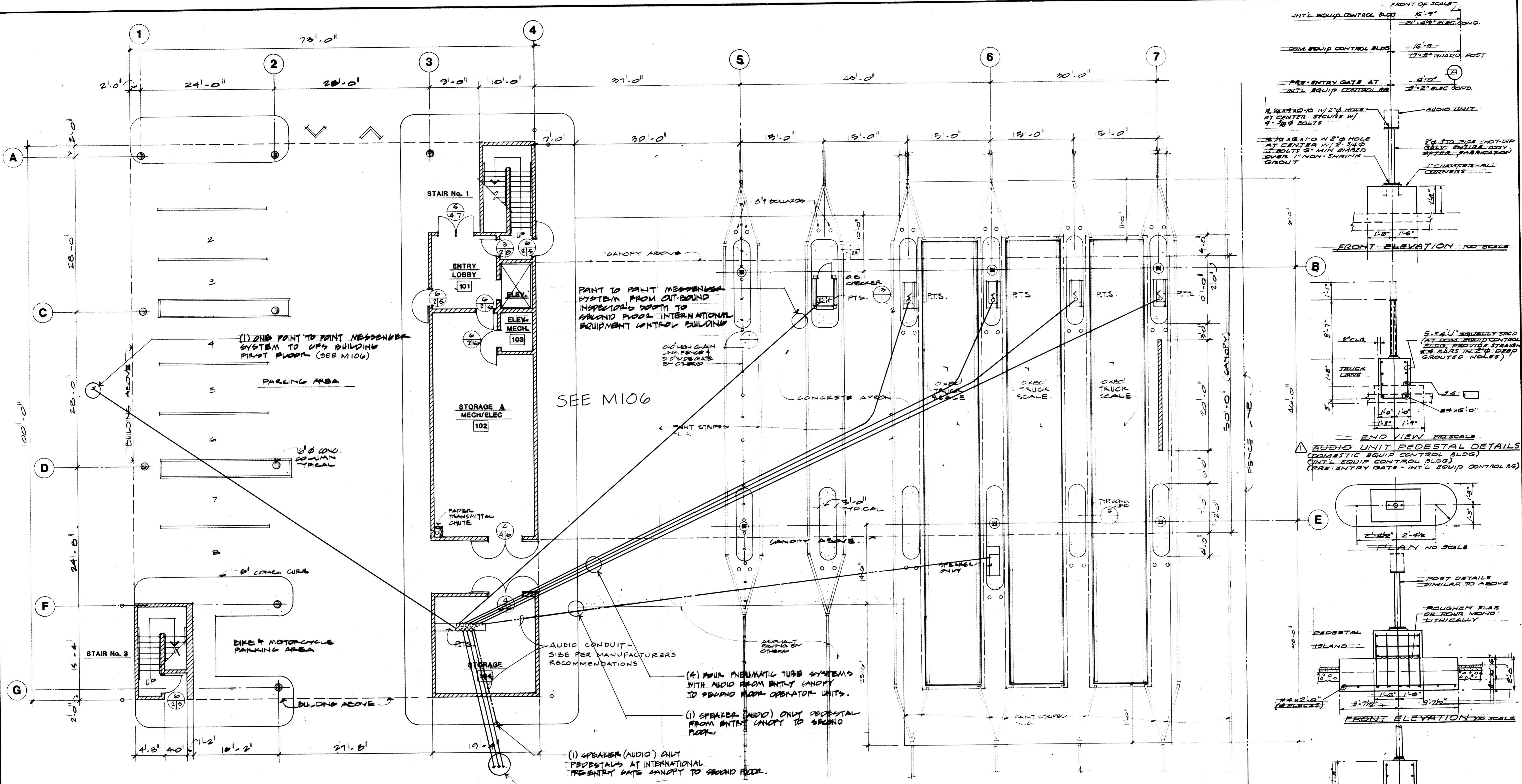
~~3. PROVIDE AND INSTALL (46) FORTY-SIX 8" X STEEL PIPE BOLSTERS (DETAIL 2/17) AS INDICATED ON FIRST FLOOR LEVEL PLAN.~~

~~4. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE~~

THE APPLICATION OF ALL STRIPING UNDER CANOPY

**PORT OF TACOMA
TACOMA TERMINALS, INC.
DOMESTIC EQUIPMENT CONTROL BLDG
PNEUMATIC TUBE SYSTEM**

		SCALE <u>1/8"</u> = <u>10"</u>
		DRAWING NO.
<i>copy off</i>	<u>5/31/84</u>	
R	DATE	
<i>in Lead</i>	<u>5/31/84</u>	
	DATE	
		EP-3880-23-M114
		SHEET <u>72</u> OF <u>88</u>



FIRST LEVEL FLOOR PLAN

SCALE 1/8" : 1'-0"

NO

- ~~NO 1002:~~

 1. CONSTRUCTION OF CONCRETE PITS FOR TRUCK SCALES ARE PART OF THIS CONTRACT. USE STRUCTURAL DRAWINGS FOR DETAILS. CONTRACTOR IS RESPONSIBLE PER GENERAL CONDITIONS TO COORDINATE WITH THE TRUCK SCALE SUPPLIER AND INSTALLER WHICH ARE UNDER SEPARATE CONTRACT.
 2. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH PNEUMATIC TUBE SYSTEM (P.T.S.) SUPPLIER AND INSTALLER ON ALL PHASES OF SYSTEM INSTALLATION WHICH ARE UNDER SEPARATE CONTRACT. THIS SHALL INCLUDE SCHEDULING OF PLACEMENT OF THE UNDER-GROUND TUBE SYSTEM AND CONNECTIONS
 3. PROVIDE AND INSTALL () 8" x STEEL PIPE COLLARDS (DETAIL) AS INDICATED ON FIRST FLOOR LEVEL PLAN.
 4. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE APPLICATION OF ALL PAINT STRIPPING UNDER CANOPY, WHICH FALLS UNDER A SEPERATE CONTRACT.
(B) NOTE ABOUT C.L. FENCE THRU FACILITY BY OTHERS

DELETE

NOTES =

1. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL PNEUMATIC TUBE SYSTEM & WORK RELATED THERE TO WITH BUILDING CONTRACTOR WHICH IS UNDER SEPARATE CONTRACT. THIS COORDINATION SHALL INCLUDE PLACEMENT OF ALL MATERIALS INTEGRAL WITH THE PUBLIC BUILDING & INTERFACES WITH UNITS OUTSIDE THE BUILDING CONTRACTOR'S SCOPE OF WORK. CARE SHOULD BE TAKEN TO NOTIFY THE OWNER OF ANY DELAYS IN PLACEMENT OF THE PNEUMATIC SYSTEMS.

**MCGRANAHAN,
MESSENGER
ASSOCIATES**

ASSOCIATES ARCHITECTURE / PLANNING / INTERIORS
MEMBER AMERICAN INSTITUTE OF ARCHITECTS • 950 FANCETTI SUITE 300 TACOMA WA 98402 • (206) 383-3044

					APPROV
	REVISED TO AS BUILT.	R.J.S.	11-27-05		
MARK	REVISION	BY	APP.	DATE	

PORT OF TACOMA

TACOMA TERMINALS, INC.

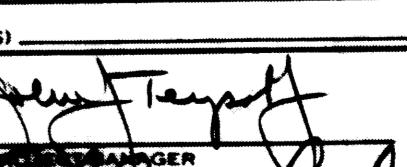
INTERNATIONAL EQUIPMENT CONTROL

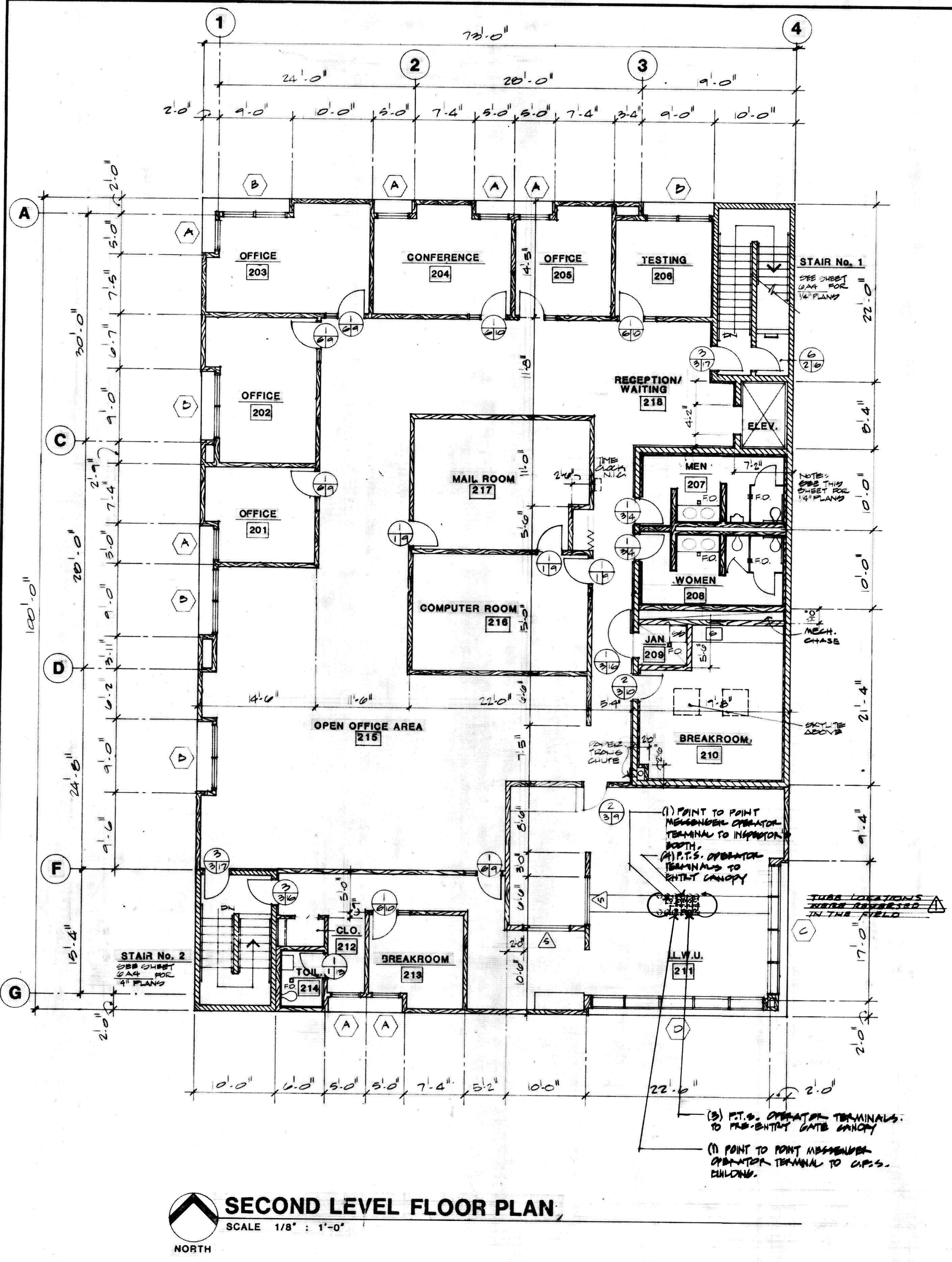
AIR-EQUIP NEUMATIC TUBE SYSTEM

END VIEW NO SCALE

AUDIO UNIT PEDESTAL DETAILS

PRE-ENTRY GATE - DOMESTIC EQUIP CONTROL BC.

VN _____	PORT OF TACOMA		
CKED _____	TACOMA TERMINALS, INC.		
CKED _____	INTERNATIONAL EQUIPMENT CONTROL		
CKED _____	PNEUMATIC TUBE SYSTEM		
T. NO. 560			
BOOK (S) _____	SCALE _____		
ROVED	DRAWING NO. _____		
	5/31/84	EP-3880-23-M115	
MANAGER 	DATE 5/31/84	SHEET 73 OF 88	
CHIEF ENGINEER	DATE	3 99	

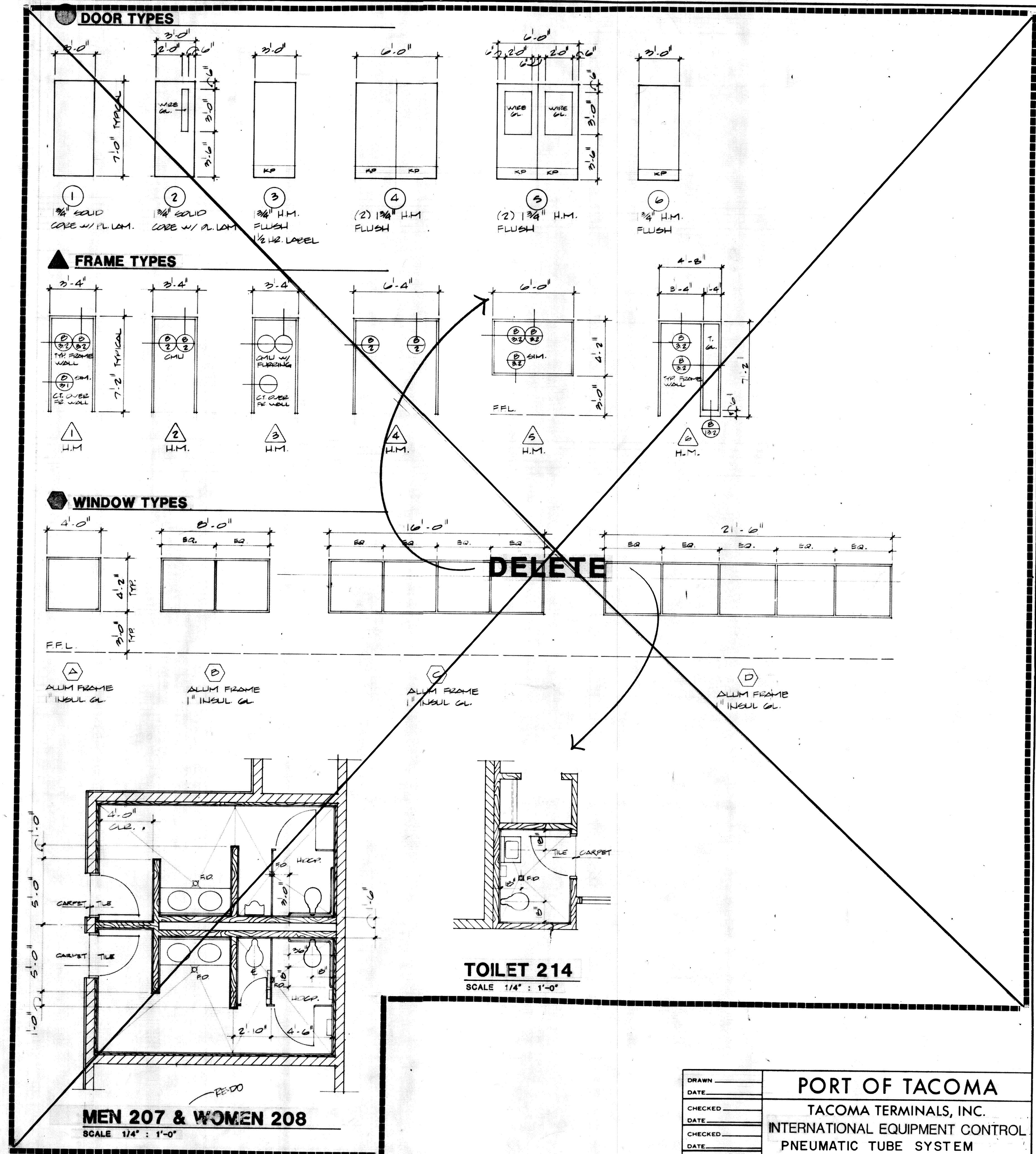




SECOND LEVEL FLOOR PLAN

SCALE 1/8" : 1'-0"

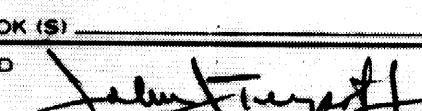
NORTH

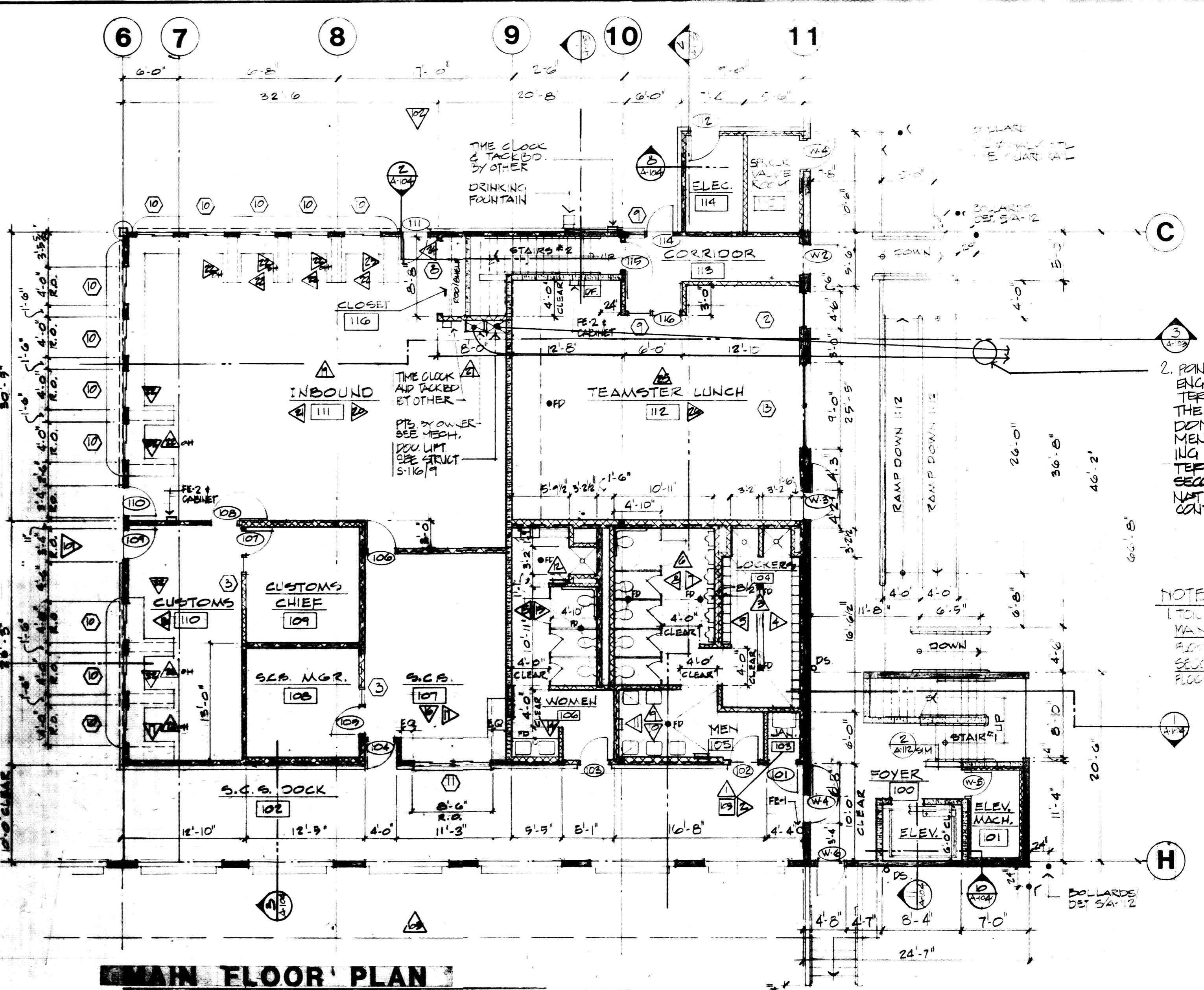
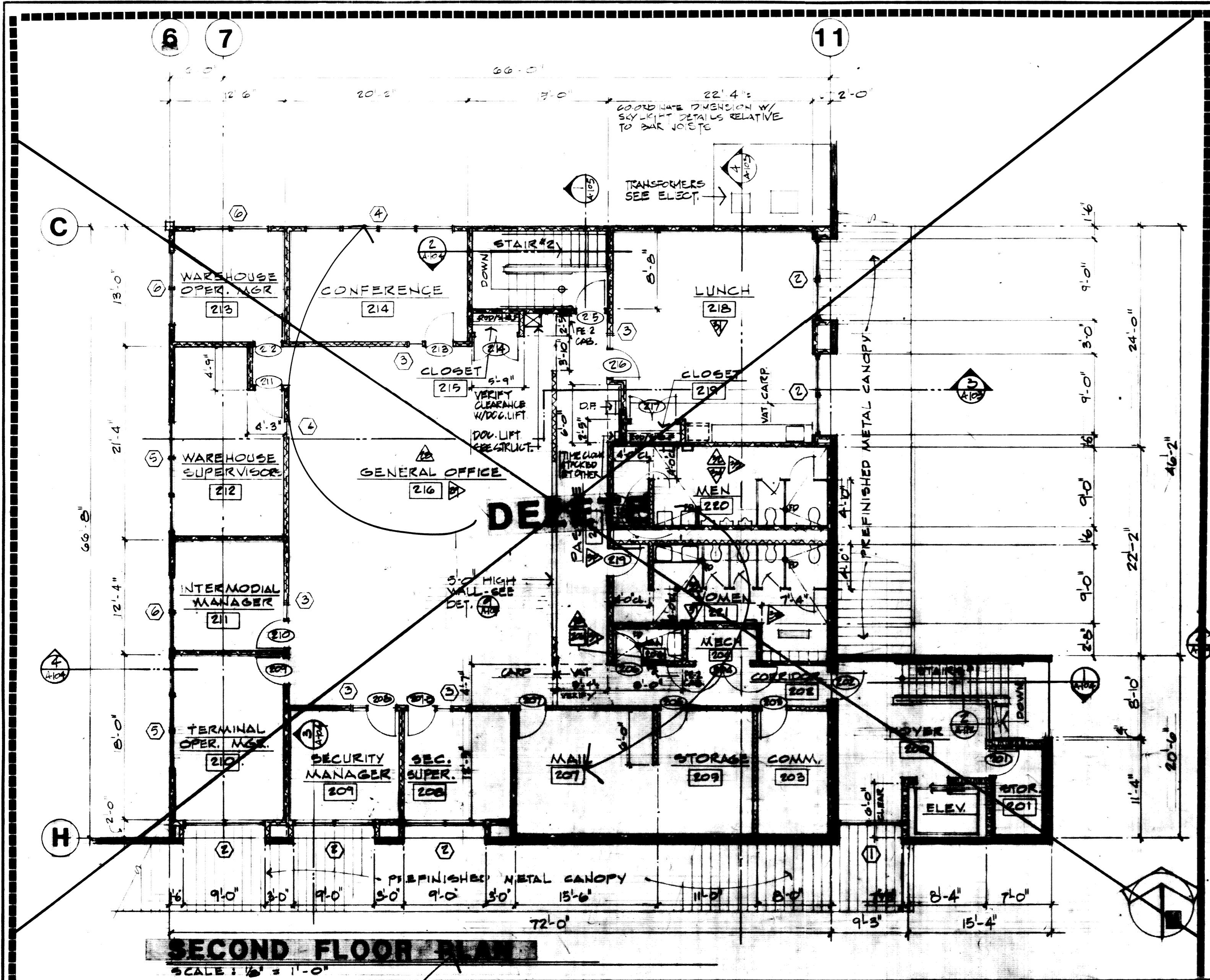


MEN 207 & WOMEN 208

SCALE 1/4" : 1'-0"

**MCGRANAHAN,
MESSENGER
ASSOCIATES**

DRAWN _____	PORT OF TACOMA		
DATE _____			
CHECKED _____	TACOMA TERMINALS, INC.		
DATE _____			
CHECKED _____	INTERNATIONAL EQUIPMENT CONTROL		
DATE _____			
CONT. NO. 560	PNEUMATIC TUBE SYSTEM		
FIELD BOOK (S) _____		SCALE _____	
APPROVED 		DRAWING NO. EP-3880-23-M116	
PROJECT MANAGER J. R. MacLeod		DATE 5/31/84	
CHIEF ENGINEER J. R. MacLeod		DATE 5/31/84	SHEET 74 OF 88



2. POINT TO POINT VIDEO
SYSTEM ONE TERMINATING AT
THE SECOND FLOOR
DOMESTIC EQUIPMENT
CONTROL BUILDING AND THE OTHER
TERMINATING AT THE
SECOND FLOOR INTERNATIONAL
EQUIPMENT CONTROL BUILDING

NOTES
1. TOILET ROOM PLACED
VANISH SLOPE TO
FLOOR LINE 3/8" FT
SEVERAL FLOOR LEVELS
FLOOR LINE 3/8" FT

MAIN FINISH SCHEDULE											
RM. NO.	ROOM NAME	FLOOR MATL. FIN.				CEILING MATL. FIN. HGT.				REMARKS	
		NORTH MATL. FIN.	EAST MATL. FIN.	SOUTH MATL. FIN.	WEST MATL. FIN.	NORTH CEILING MATL. FIN. HGT.	EAST CEILING MATL. FIN. HGT.	SOUTH CEILING MATL. FIN. HGT.	WEST CEILING MATL. FIN. HGT.		
200	FOYER	CONE.	BROM.	CONE.	BROM.	CONE.	BROM.	CONE.	BROM.		
201	STORAGE	CONE.	TRAVEL.	CONE.	TRAVEL.	CONE.	TRAVEL.	CONE.	TRAVEL.		
202	CORRIDOR	GND.	GND.	GND.	GND.	GND.	GND.	GND.	GND.		
203	COMMUNICATIONS	VAT	6'W.	VAT	6'W.	VAT	6'W.	VAT	6'W.		
204	MECHANICAL	VAT	6'W.	VAT	6'W.	VAT	6'W.	VAT	6'W.		
205	STORAGE	VAT	6'W.	VAT	6'W.	VAT	6'W.	VAT	6'W.		
206	JANITOR	CONE.	TRAVEL.	CONE.	TRAVEL.	CONE.	TRAVEL.	CONE.	TRAVEL.		
207	MAIL	VAT	6'W.	VAT	6'W.	VAT	6'W.	VAT	6'W.		
208	SECURITY SUPERVISOR	CARP.	-	CARP.	-	CARP.	-	CARP.	-		
209	SECURITY MANAGER	CARP.	-	CARP.	-	CARP.	-	CARP.	-		
210	TERMINAL OPERATIONS MANAGER	CARP.	-	CARP.	-	CARP.	-	CARP.	-		
211	INTERMODIAL MANAGER	CARP.	-	CARP.	-	CARP.	-	CARP.	-		
212	WAREHOUSE SUPERVISORS	CARP.	-	CARP.	-	CARP.	-	CARP.	-		
213	WAREHOUSE OPERATIONS MANAGER	CARP.	-	CARP.	-	CARP.	-	CARP.	-		
214	CONFERENCE	CARP.	-	CARP.	-	CARP.	-	CARP.	-		
215	CLOSET	CARP.	-	CARP.	-	CARP.	-	CARP.	-		
216	GENERAL OFFICE	CARP.	-	CARP.	-	CARP.	-	CARP.	-		
217	PASSAGE	VAT	6'W.	VAT	6'W.	VAT	6'W.	VAT	6'W.		
218	LUNCH	VAT	6'W.	VAT	6'W.	VAT	6'W.	VAT	6'W.		
219	CLOSET	VAT	6'W.	VAT	6'W.	VAT	6'W.	VAT	6'W.		
220	MEN	CMT	-	CMT	-	CMT	-	CMT	-		
221	WOMEN	CMT	-	CMT	-	CMT	-	CMT	-		

MAIN FLOOR

RM. NO.	ROOM NAME	FLOOR MATL. FIN.				CEILING MATL. FIN. HGT.				REMARKS	
		NORTH MATL. FIN.	EAST MATL. FIN.	SOUTH MATL. FIN.	WEST MATL. FIN.	NORTH CEILING MATL. FIN. HGT.	EAST CEILING MATL. FIN. HGT.	SOUTH CEILING MATL. FIN. HGT.	WEST CEILING MATL. FIN. HGT.		
100	FOYER	CONE.	BROM.	CONE.	BROM.	CONE.	BROM.	CONE.	BROM.		
101	ELEVATOR MACHINE	-	-	-	-	CONE.	BROM.	CONE.	BROM.		
102	S.C.S. DOCK	CONE.	BROM.	CONE.	BROM.	CONE.	BROM.	CONE.	BROM.		
103	JANITOR	CONE.	BROM.	CONE.	BROM.	CONE.	BROM.	CONE.	BROM.		
104	LOCKERS	CMT	-	CMT	-	CMT	-	CMT	-		
105	MEN	CMT	-	CMT	-	CMT	-	CMT	-		
106	WOMEN	CMT	-	CMT	-	CMT	-	CMT	-		
107	S.C.S.	VAT	6'W.	VAT	6'W.	VAT	6'W.	VAT	6'W.		
108	S.C.S. MANAGER	CARP.	-	CARP.	-	CARP.	-	CARP.	-		
109	CUSTOMS CHIEF	VAT	6'W.	VAT	6'W.	VAT	6'W.	VAT	6'W.		
110	CUSTOMS	VAT	6'W.	VAT	6'W.	VAT	6'W.	VAT	6'W.		
111	INBOUND	VAT	6'W.	VAT	6'W.	VAT	6'W.	VAT	6'W.		
112	TEAMSTER LUNCH	VAT	6'W.	VAT	6'W.	VAT	6'W.	VAT	6'W.		
113	CORRIDOR	VAT	6'W.	VAT	6'W.	VAT	6'W.	VAT	6'W.		
114	ELECTRICAL	CONE.	TRAVEL.	CONE.	TRAVEL.	CONE.	TRAVEL.	CONE.	TRAVEL.		
115	SPRINKLER VALVE ROOM	CONE.	TRAVEL.	CONE.	TRAVEL.	CONE.	TRAVEL.	CONE.	TRAVEL.		
116	CLOSET	VAT	6'W.	VAT	6'W.	VAT	6'W.	VAT	6'W.		
117	SPRINKLER VALVE ROOM	CONE.	TRAVEL.	CONE.	TRAVEL.	CONE.	TRAVEL.	CONE.	TRAVEL.		
#1 STAIRS		CONE.	PT.	CONE.	PT.	CONE.	PT.	CONE.	PT.	CEN. PL.	PT. 10'-0"
#2 STAIRS		R.	-	R.	-	R.	-	R.	-	ACT.	- 9'-0"

WALL TYPES

- 3/8" METAL STUDS 1/16" O.C.
- 3/8" METAL STUDS 1/16" O.C. TO STRUCTURE WITH NELLION SEAL TOP AND BOTTOM
- TRACKS AT INTERIOR PARTITIONS (SOUND WALLS)
- 6" METAL STUDS 1/16" O.C. TO STRUCTURE WITH INSUL. SEE NOTE FOR 3/8" STUDS.
- 8" CMU.
- CONC. TILT UP PANEL.

ABBREVIATIONS

- | | |
|-------|---------------------|
| CONC. | CONCRETE |
| VAT | VINYL ASBESTOS TILE |
| CARP. | CARPET |
| CMT | CERAMIC MOSAIC TILE |
| CT. | CERAMIC TILE |
| VWC | VINYL WALL COVERING |
| VP | VEHICLE PLASTER |
| GWB | GYPSUM WALL BOARD |
| R. | RUBBER |
| ACT. | ACOUSTICAL TILE |
| SMW | SEAL & WAY |

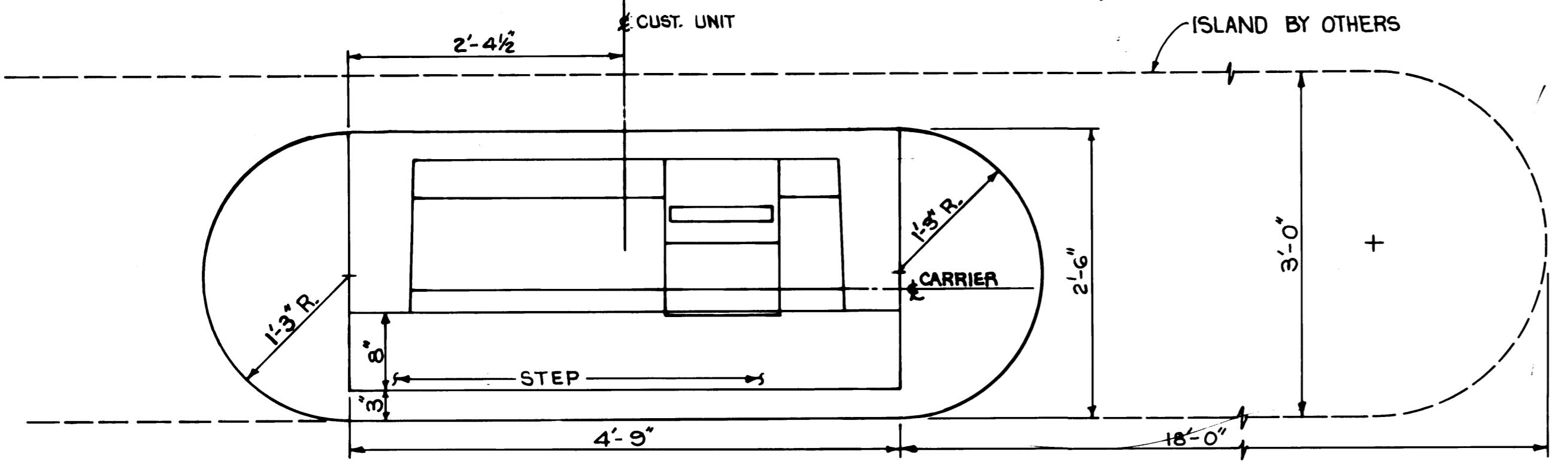
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CHECKED	DATE
RECHECKED	DATE
CONT. NO. 560	
FIELD BOOK (S)	
APPROVED	
DRAWING NO. EP-3880-23-M117	
NO. AS-BUILT REVISIONS	A.I.S. 11-27-85
MARK	REVISION
REVISION	BY APP. DATE
REVISION	CHIEF ENGINEER DATE
REVISION	75 OF 88

PORT OF TACOMA

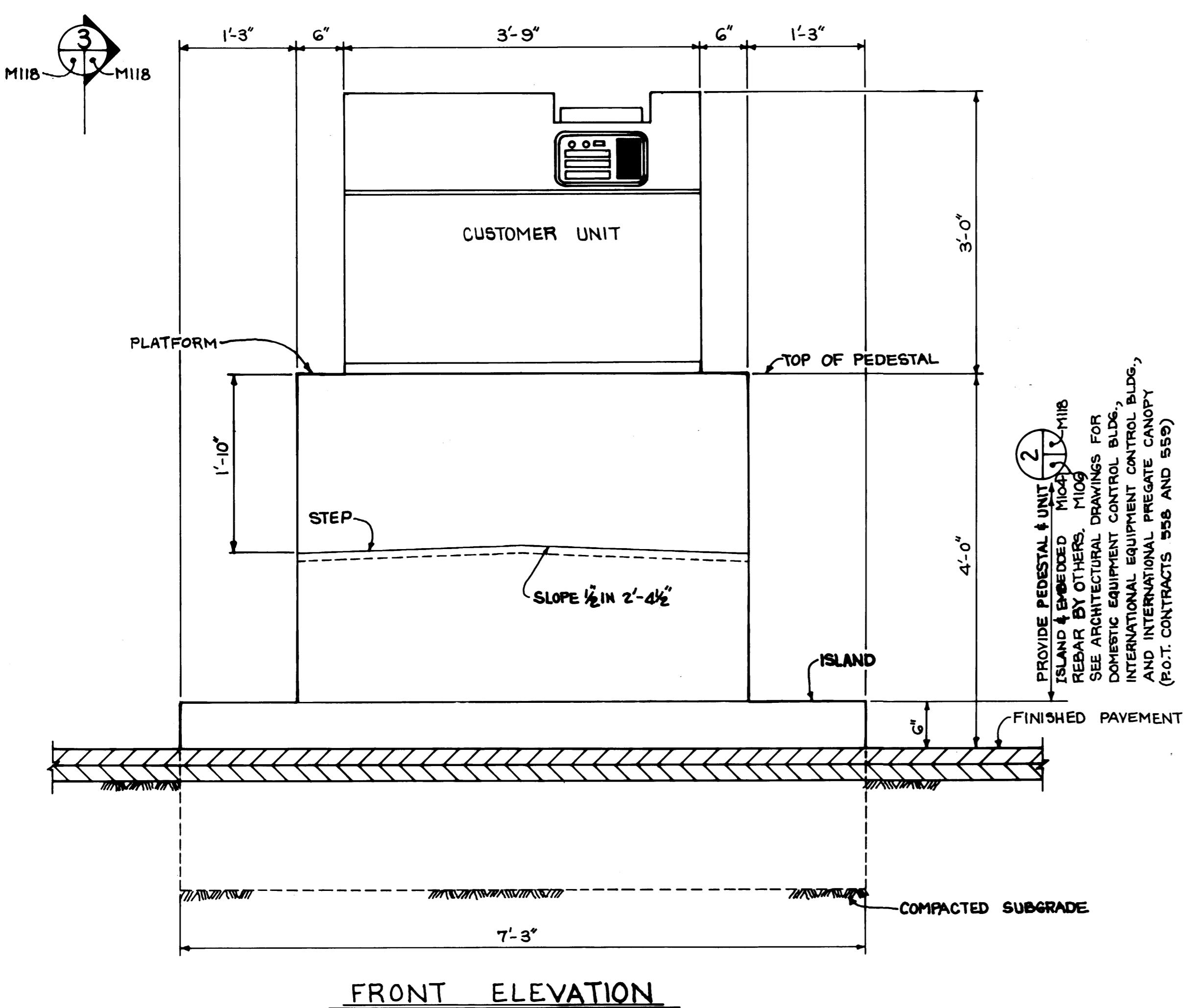
TACOMA TERMINALS, INC.

C.F.S. BUILDING

PNEUMATIC TUBE SYSTEM



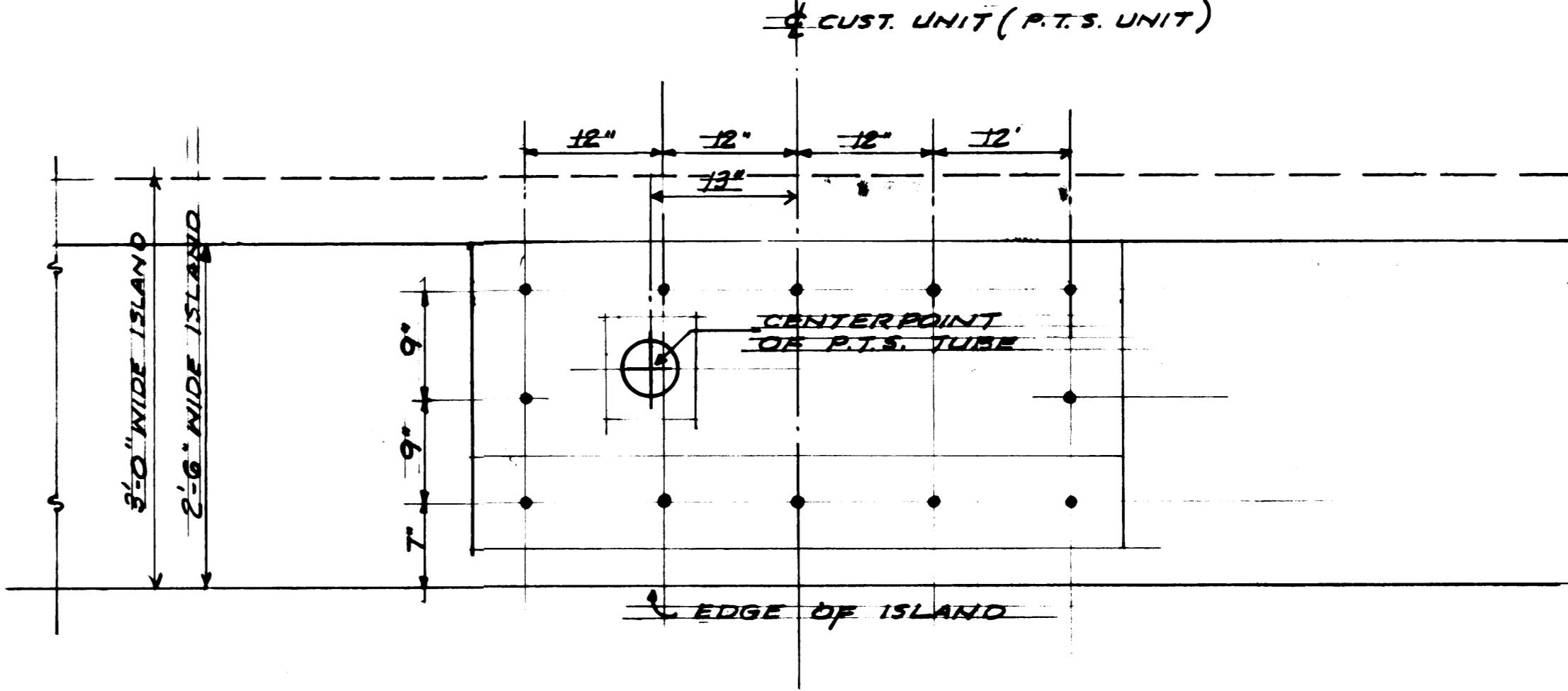
PLAN VIEW



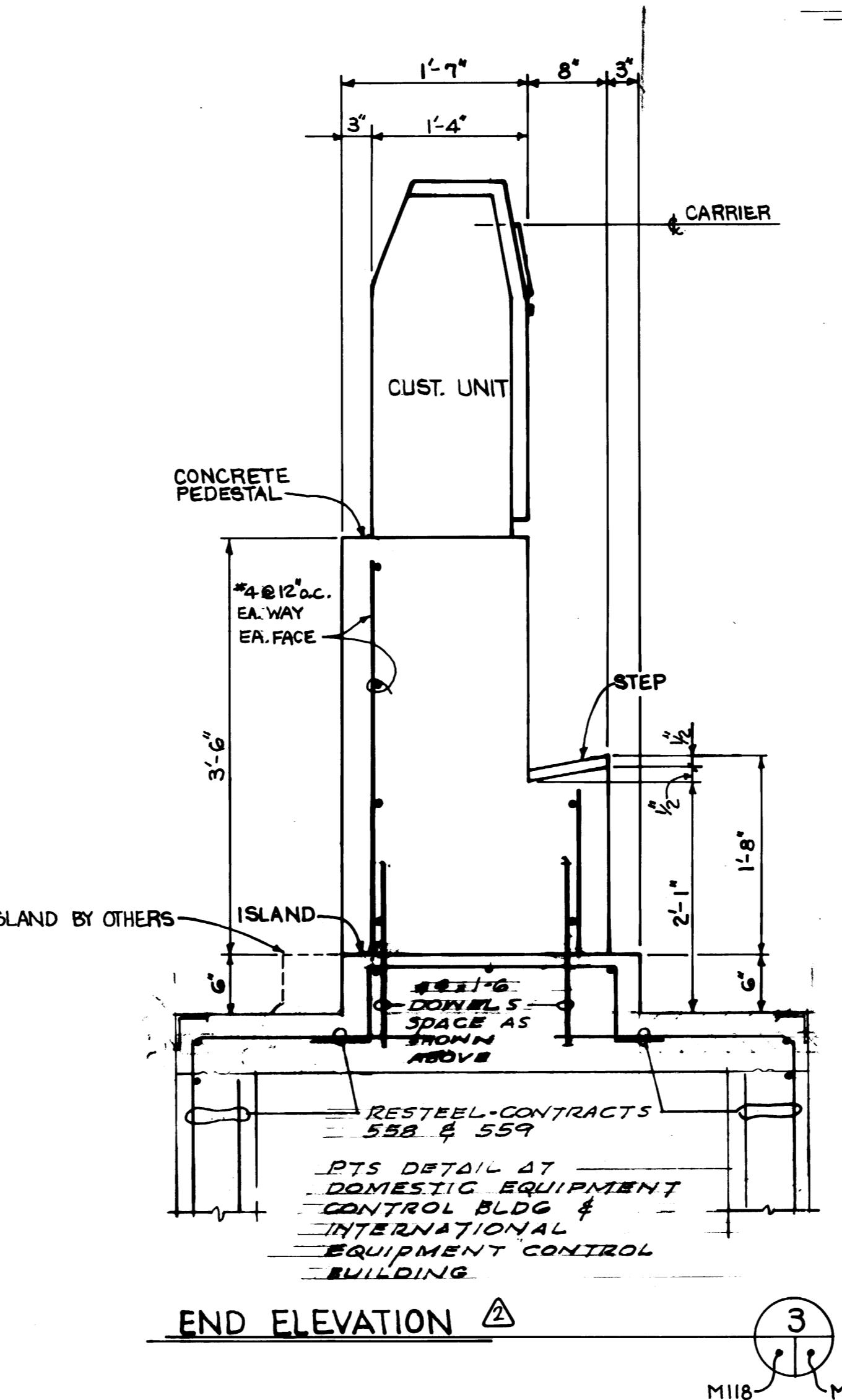
FRONT ELEVATION

P.T.S. ~ TRUCK UNIT DETAIL (AS SHOWN) ~3 REQ'D.

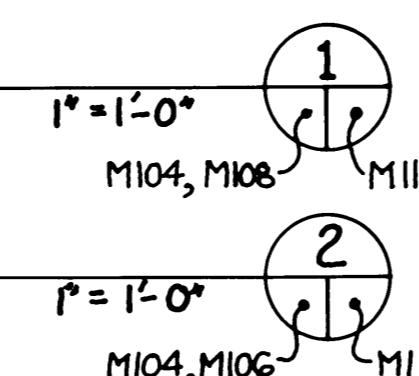
P.T.S. ~ TRUCK UNIT DETAIL (AS NOTED) ~11 REQ'D.



PLAN VIEW SHOWING DOWEL SPACING



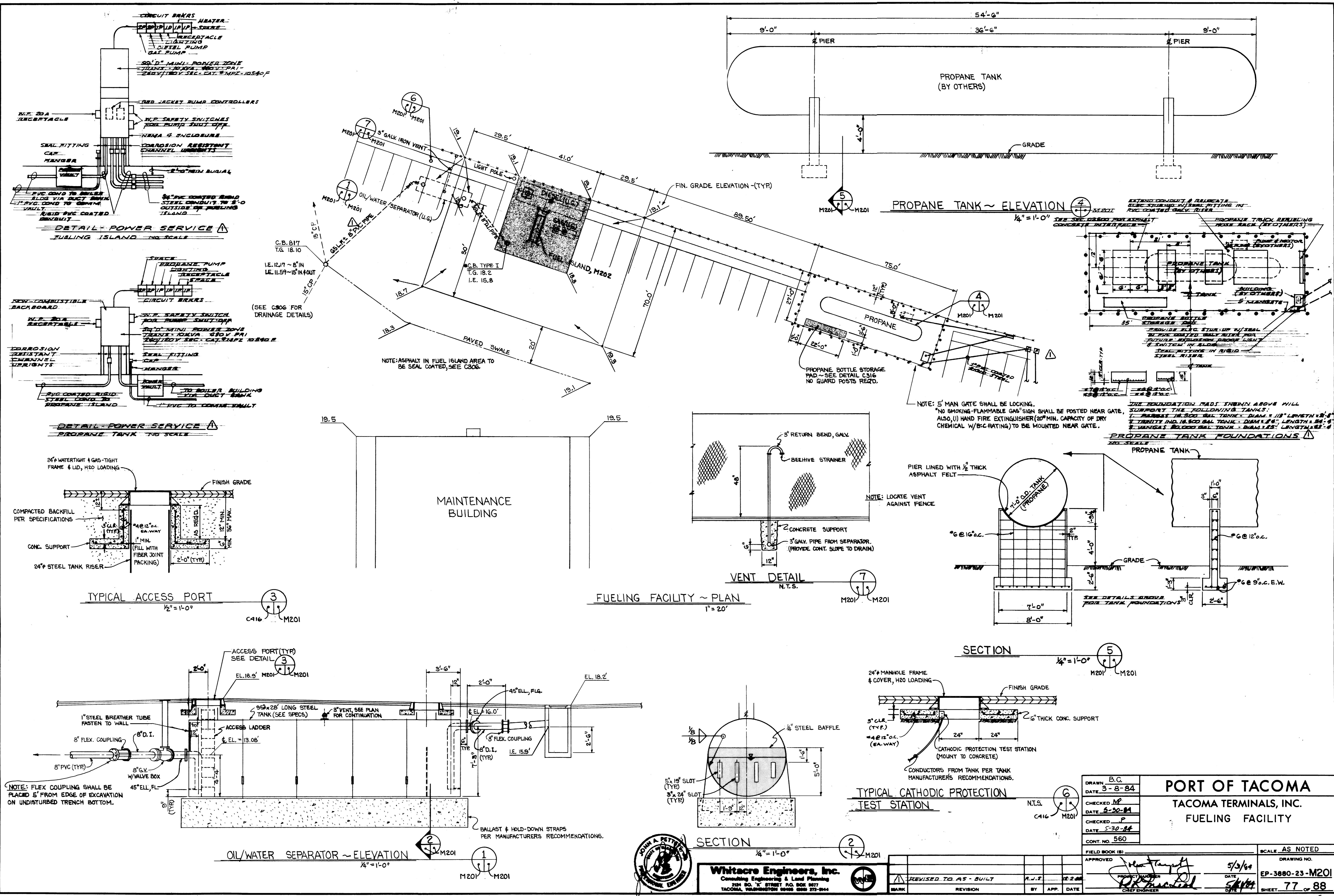
END ELEVATION

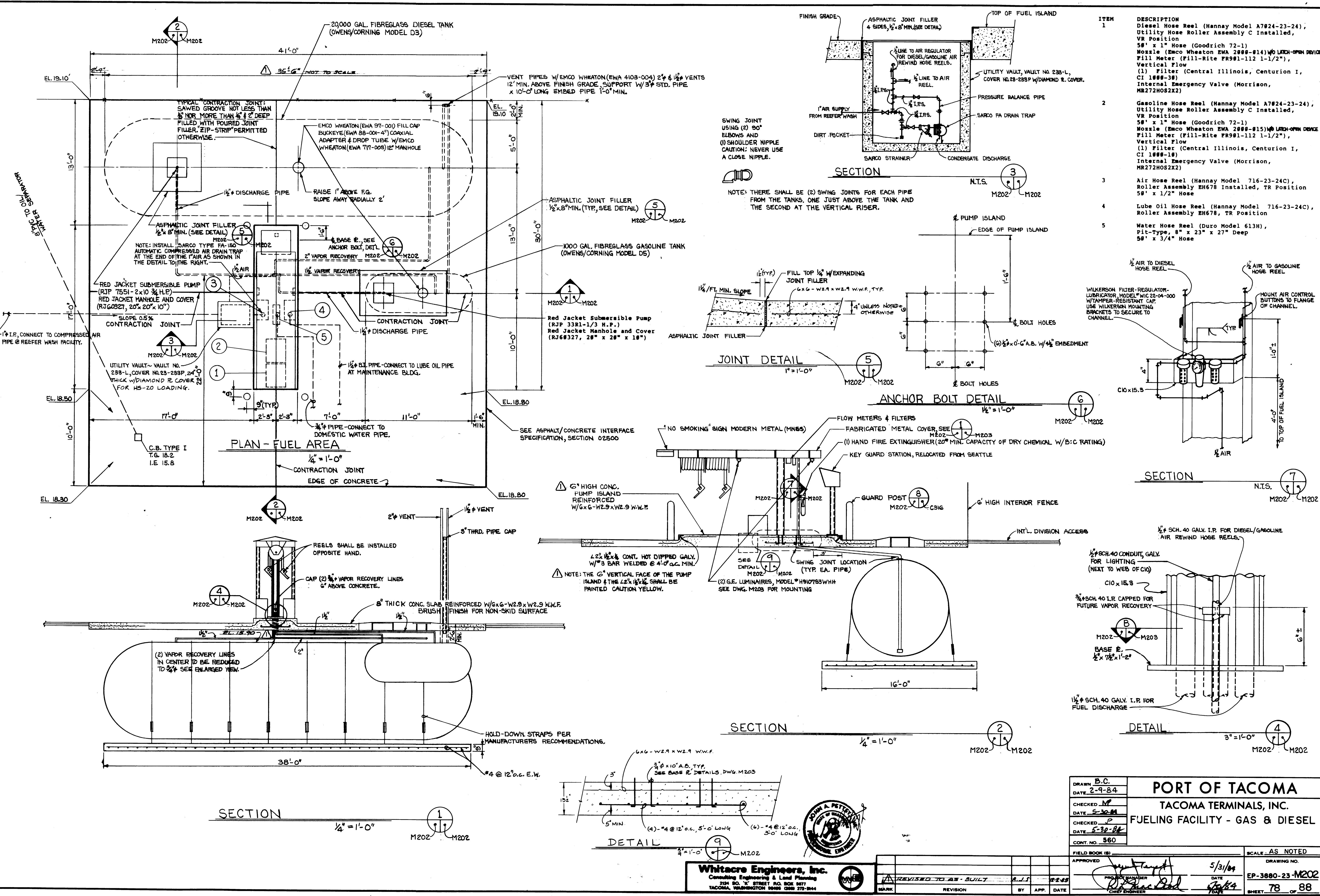


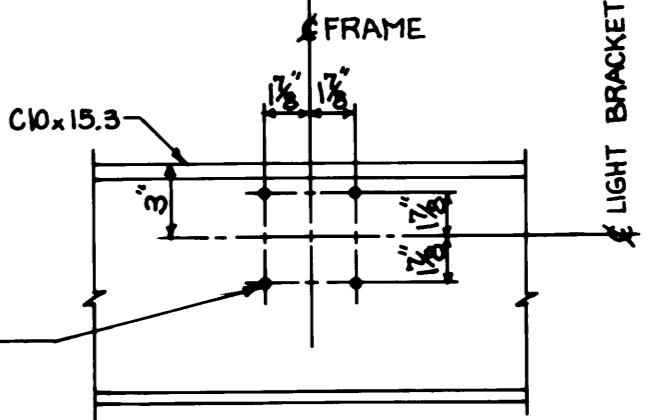
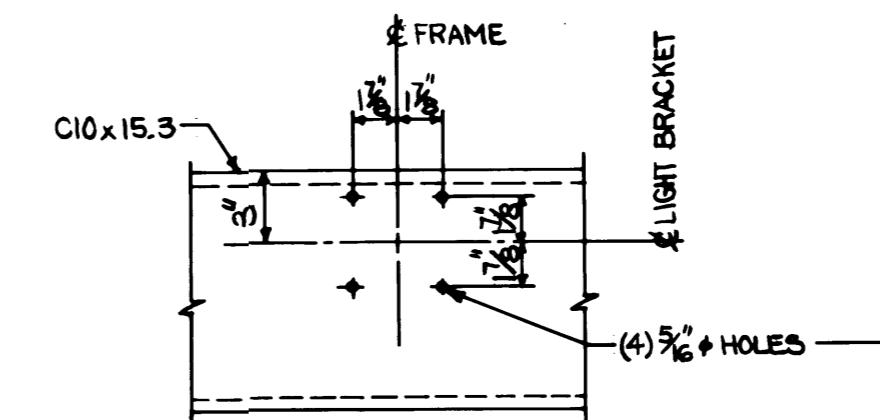
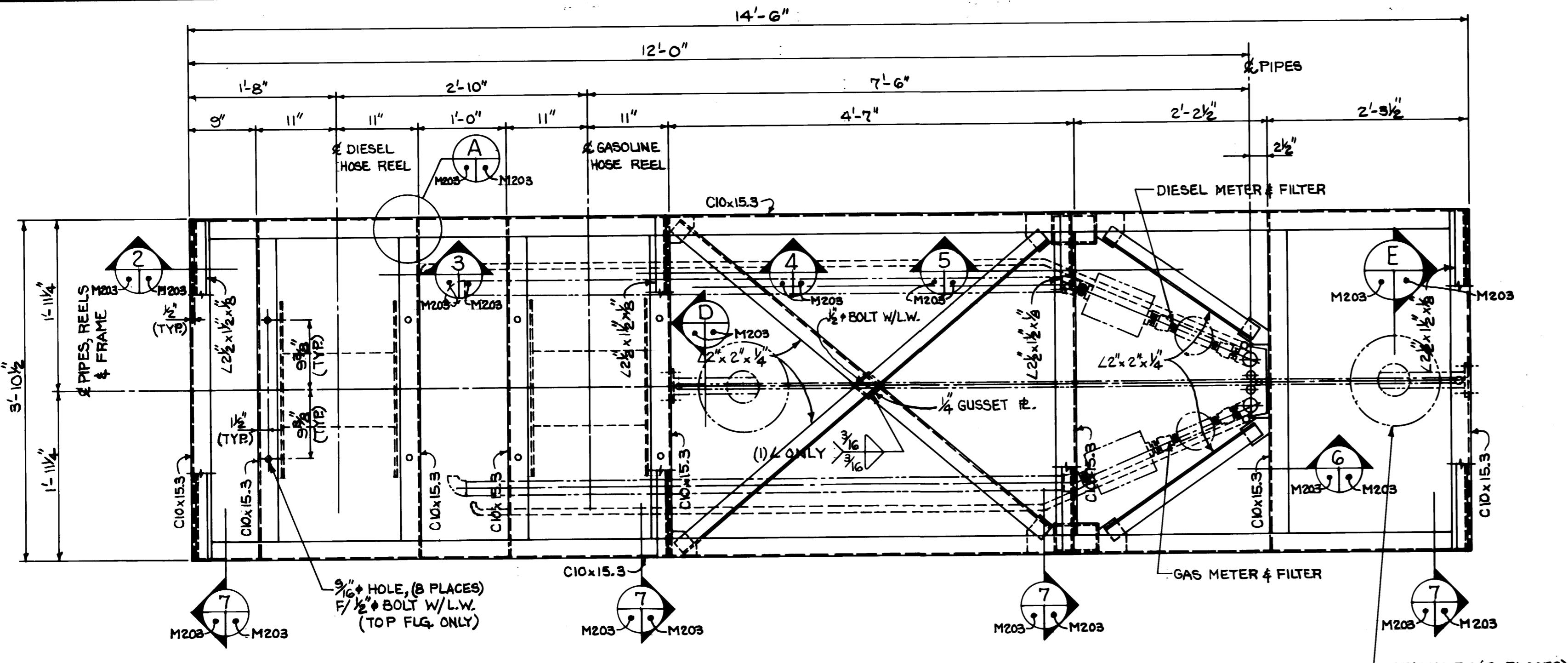
Whitacre Engineers, Inc.
Consulting Engineering & Land Planning
224 SO. Y STREET P.O. BOX 8677
TACOMA, WASHINGTON 98449 272-2444

DRAWN B.C.		PORT OF TACOMA		
DATE		TACOMA TERMINALS, INC.		
CHECKED J.T.P.		PNEUMATIC TUBE SYSTEM		
DATE 5-30-84		DETAILS		
APPROVED				
DATE 5-30-84				
MARK		NO. AS-BUILT REVISIONS	R.J.S.	4-27-84
		REVISED FOUNDATION AT	R.S.	1/1/84
		GEN. REVISION-DIMENSIONS	B.C.	1/1/84
		MARK	REVISION	BY APP. DATE

FIELD BOOK (S) SCALE AS NOTED
DRAFTER J. T. P. DRAWING NO. EP-3880-23-M118
P.D.C. MANAGER DATE 5/31/84 SHEET 76 OF 88
CHIEF ENGINEER DATE 5/31/84
DATE 5/31/84

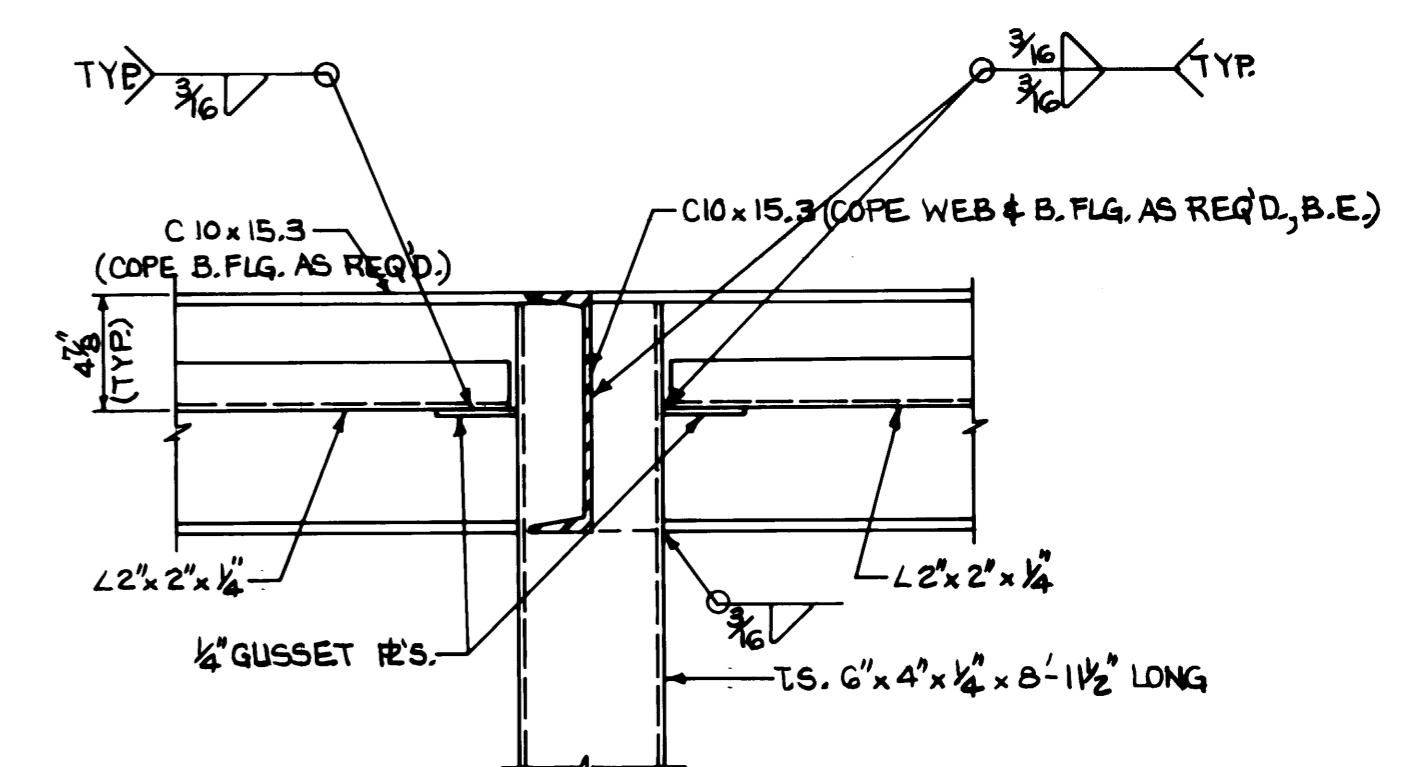
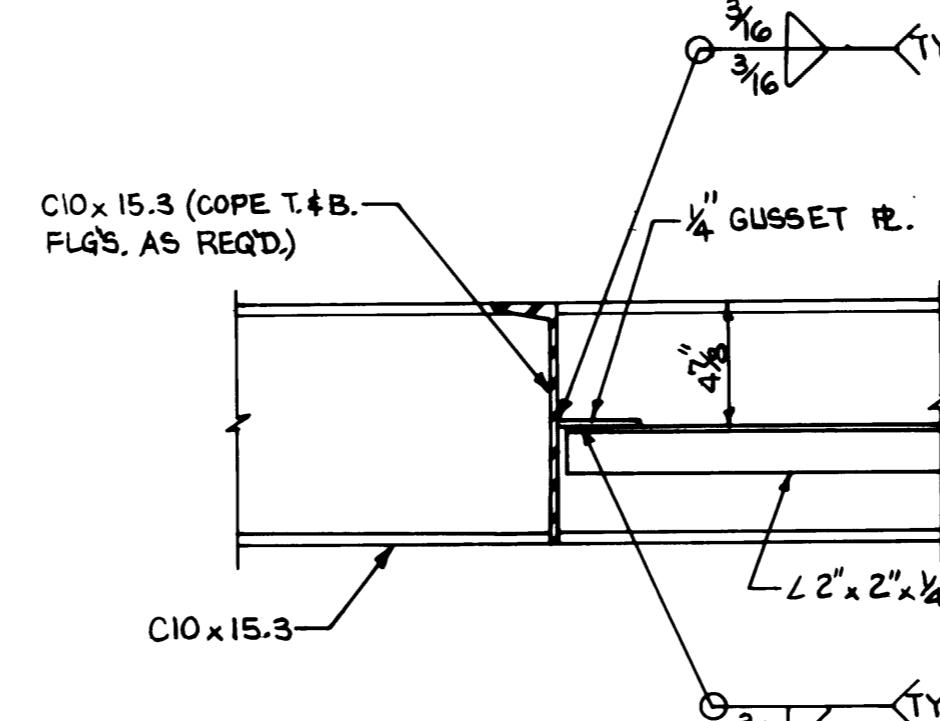
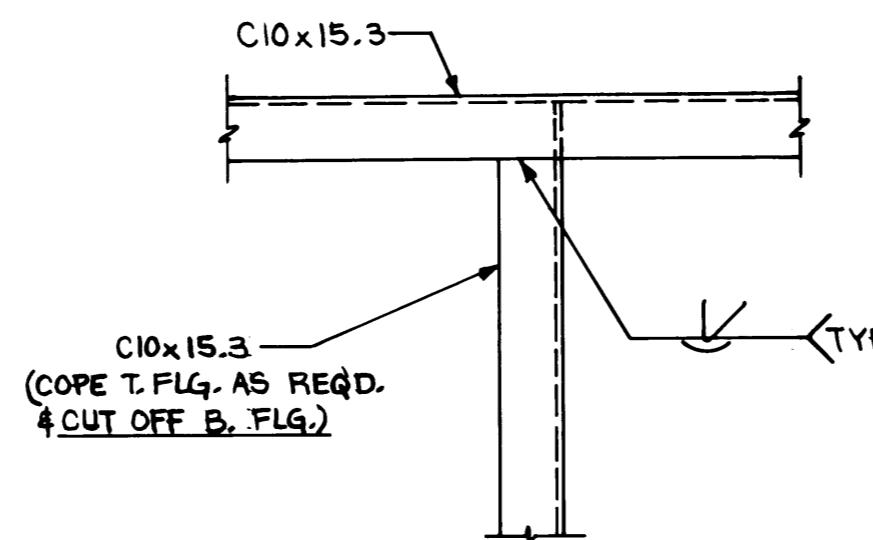
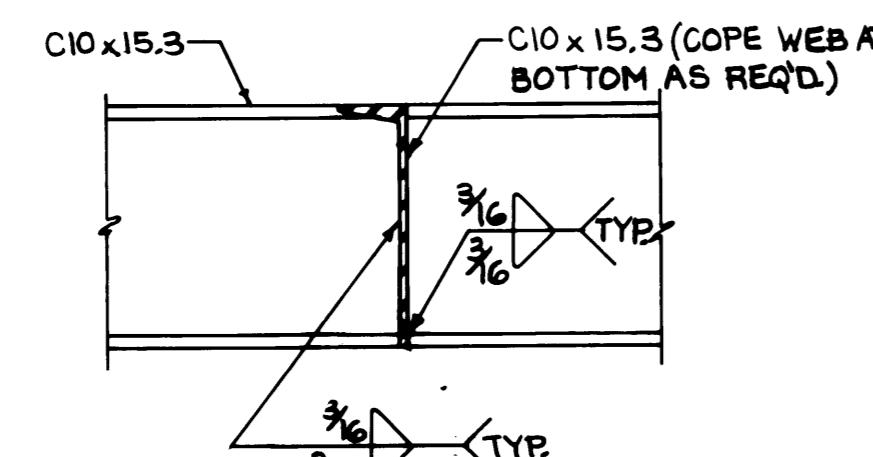
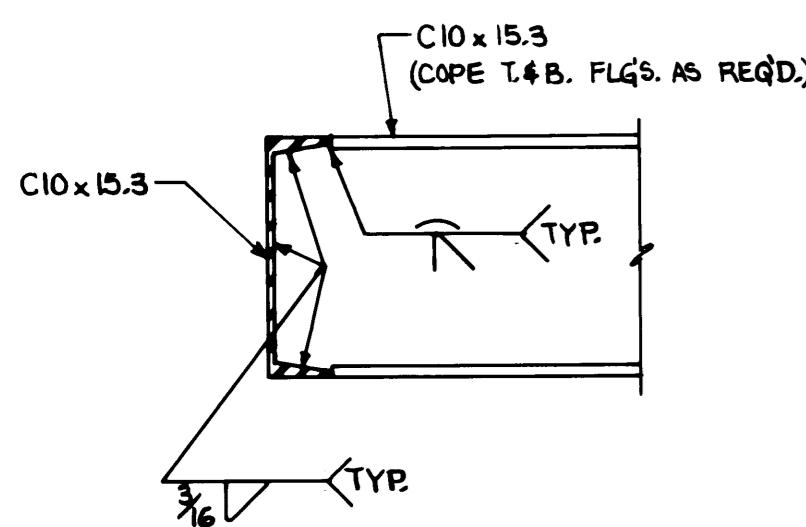






VIEW $1\frac{1}{2}'' = 1'-0''$ 

VIEW $\frac{1}{2}'' = 1'-0''$ E M203 M203

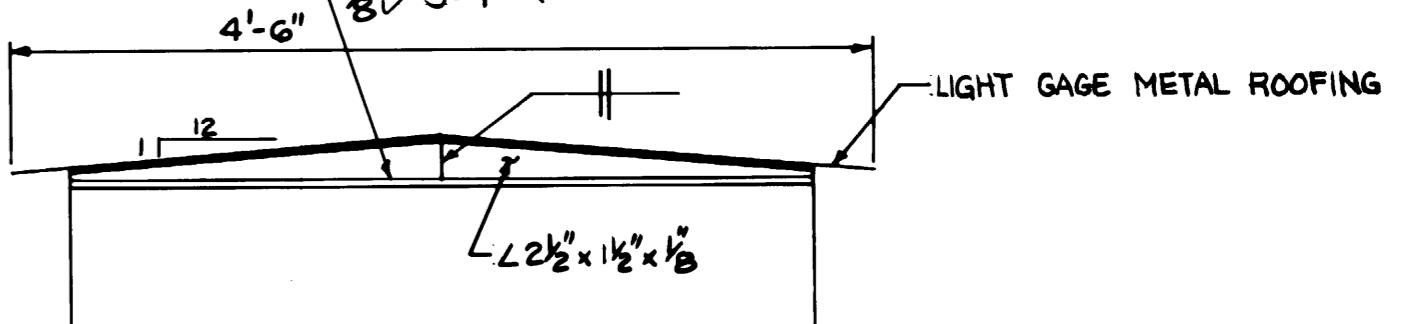
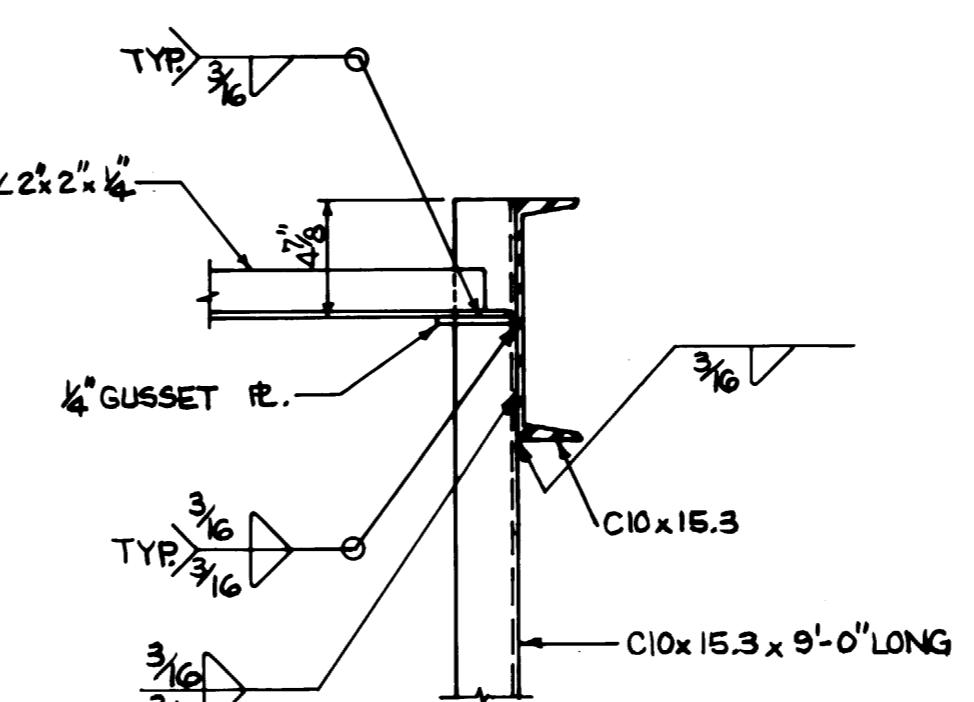
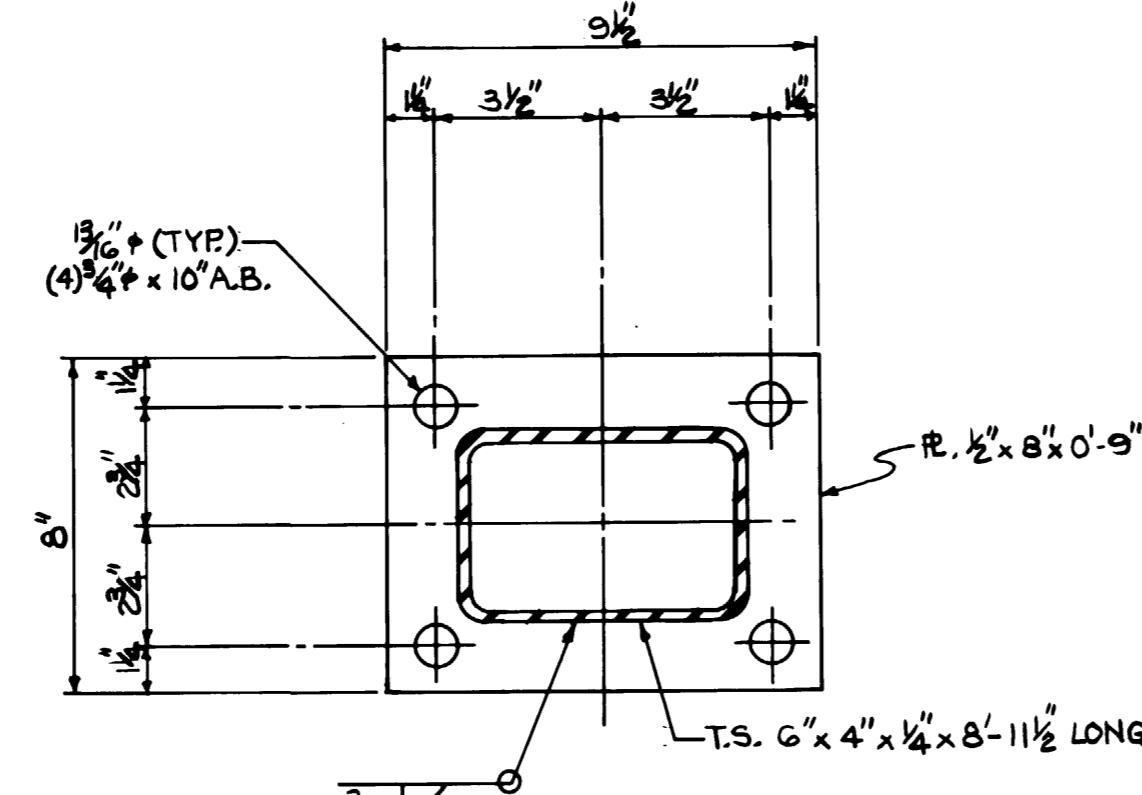
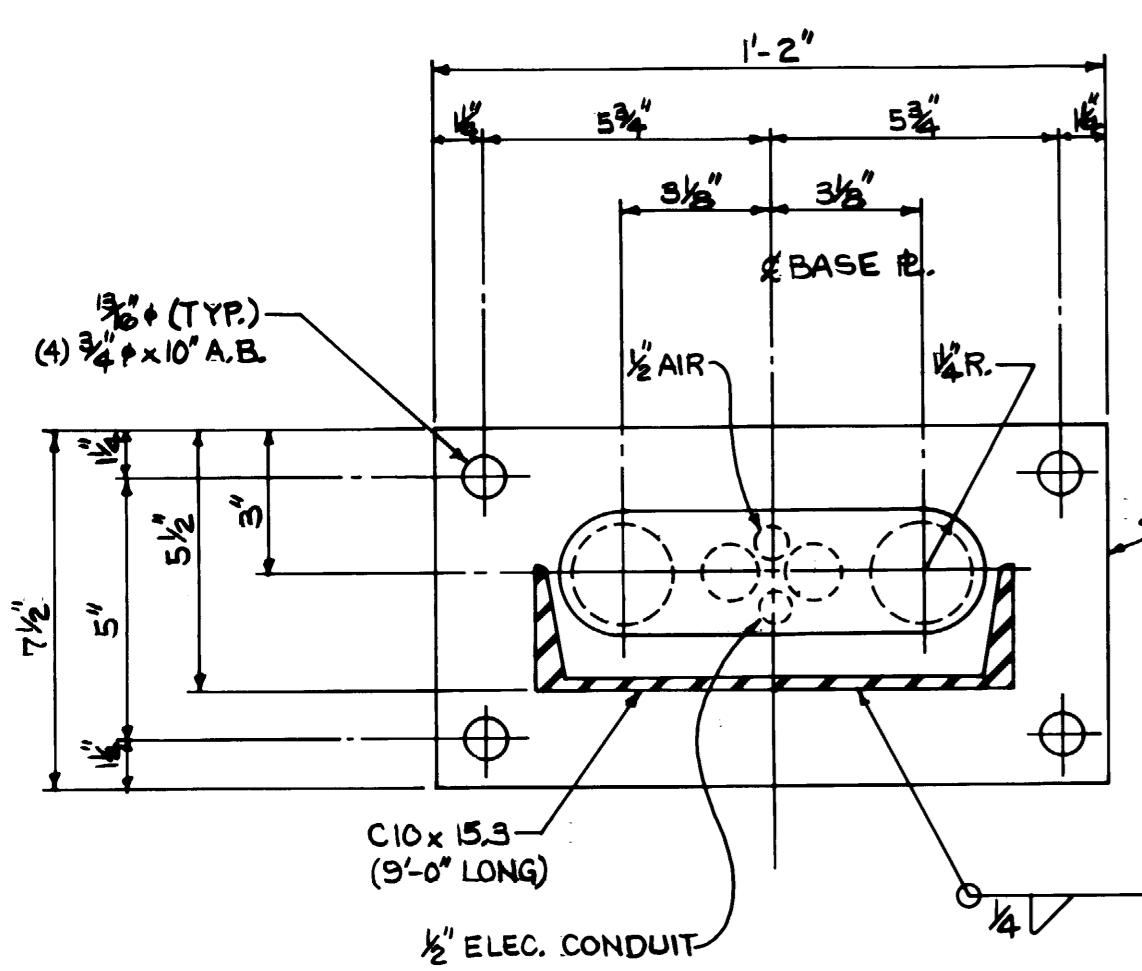


SECTION 1'-0" 2 M203 M203

SECTION $1\frac{1}{2}'' = 1'-0''$

DETAIL $1\frac{1}{2}'' = 1'-0''$

SECTION $\frac{1}{2}'' = 1'-0''$ 4
M203 M202



BASE PL. DETAIL

BASE & DETAIL

Diagram showing a circle with center 'C'. Two points, M202 and M203, are marked on the circumference of the circle.



Whitacre Engineers, Inc.
Consulting Engineering & Land Planning
2124 SO. 'K' STREET P.O. BOX 5677
TACOMA, WASHINGTON 98408 (206) 772-5144

					APPROVED	<i>Julian Targett</i>	5/31/84	DRAWING NO.
					PROJECT MANAGER	<i>John MacLeod</i>	5/31/84	EP-3880-23-M203
NO AS BUILT REVISIONS					R.S.	12-2-85	DATE	SHEET 79 OF 88
MARK	REVISION	BY	APP.	DATE	CHIEF ENGINEER			

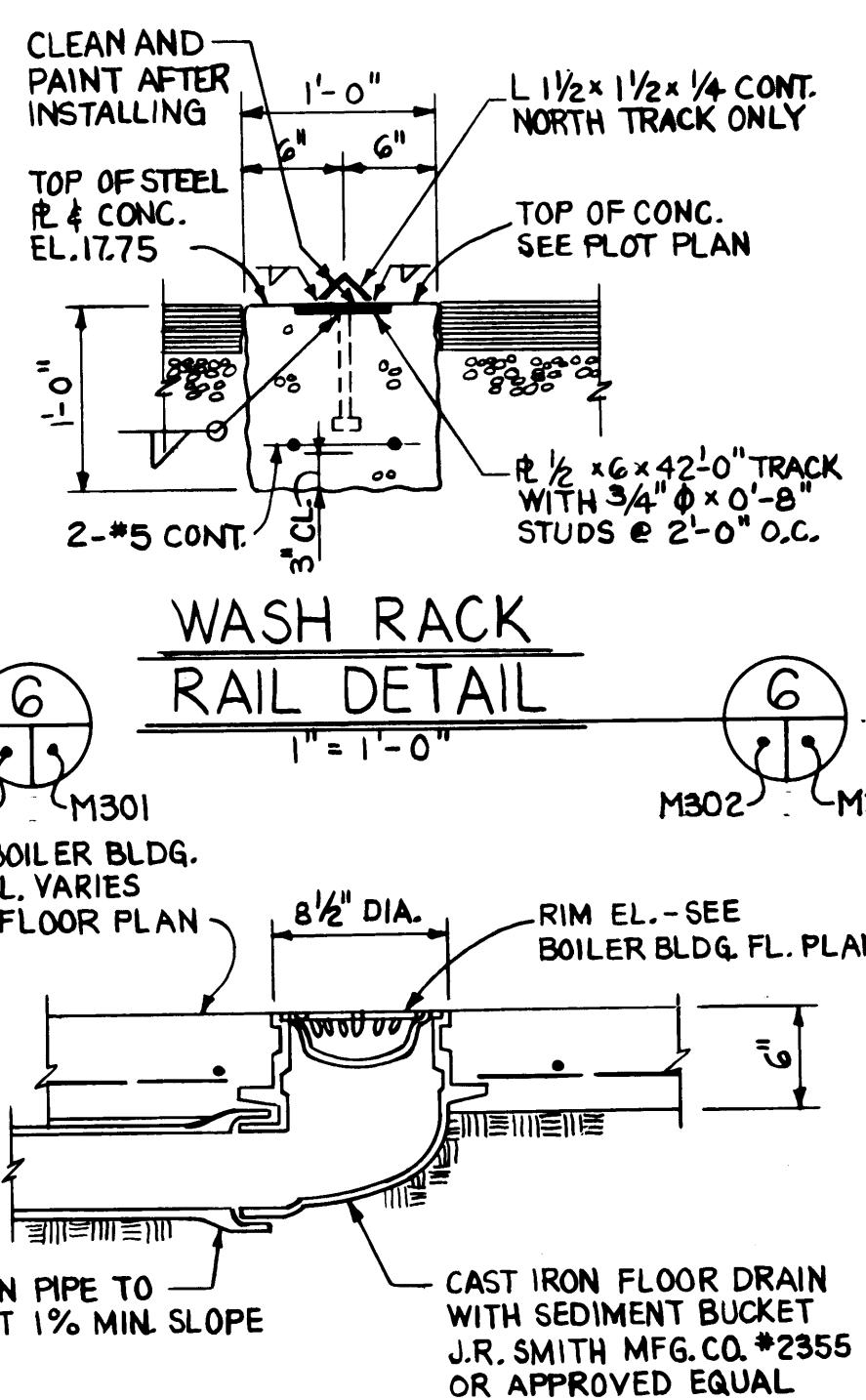
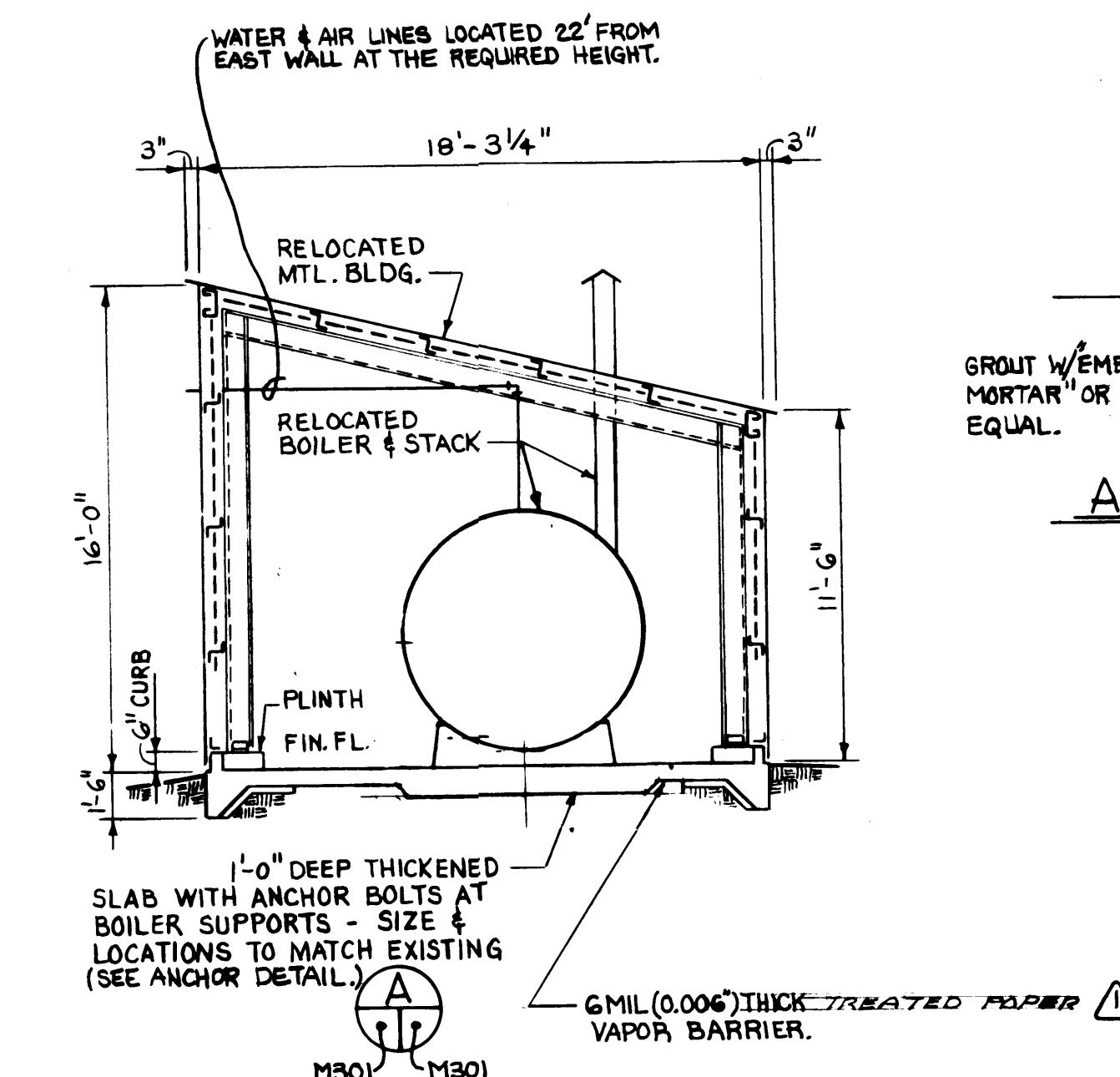
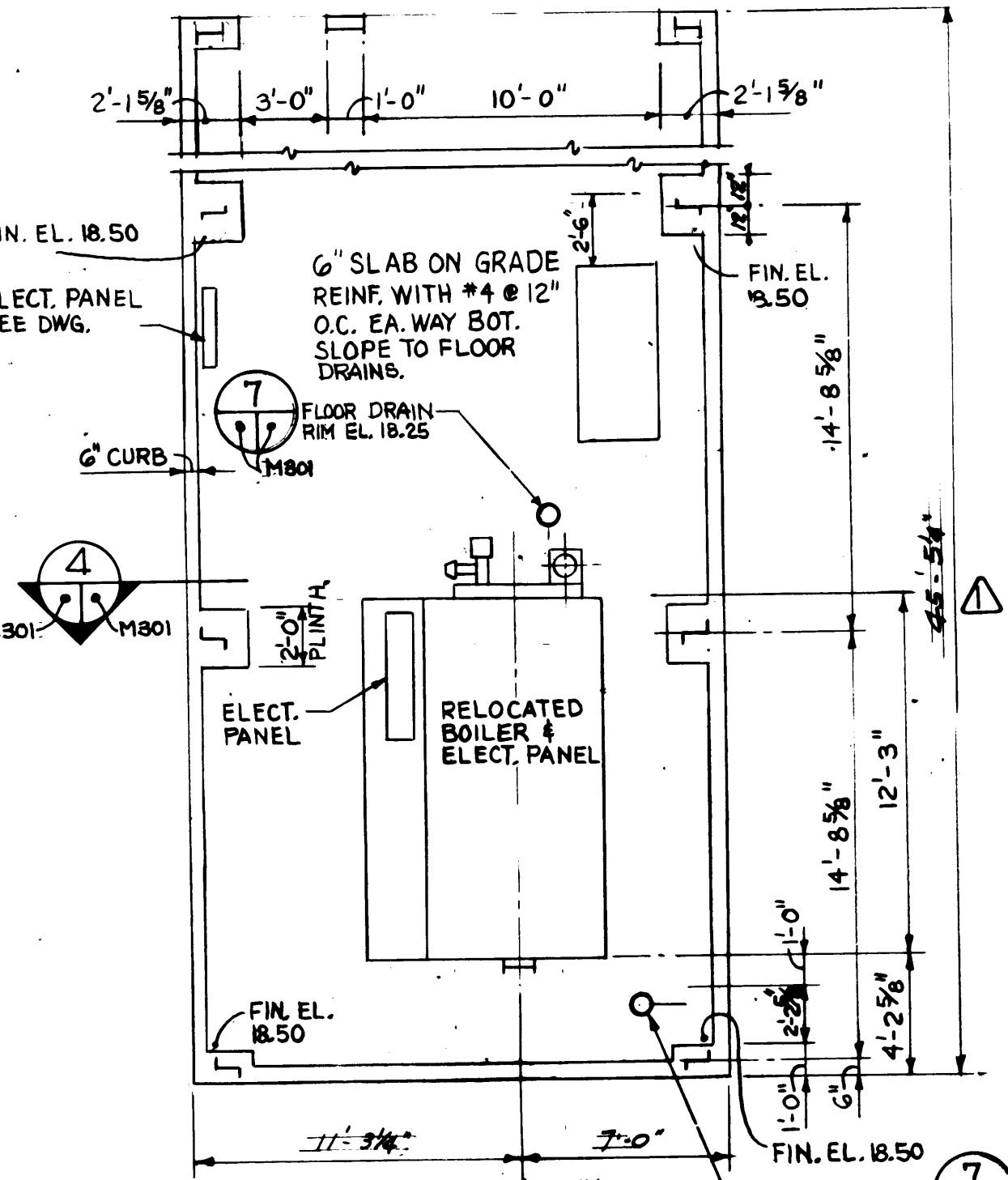
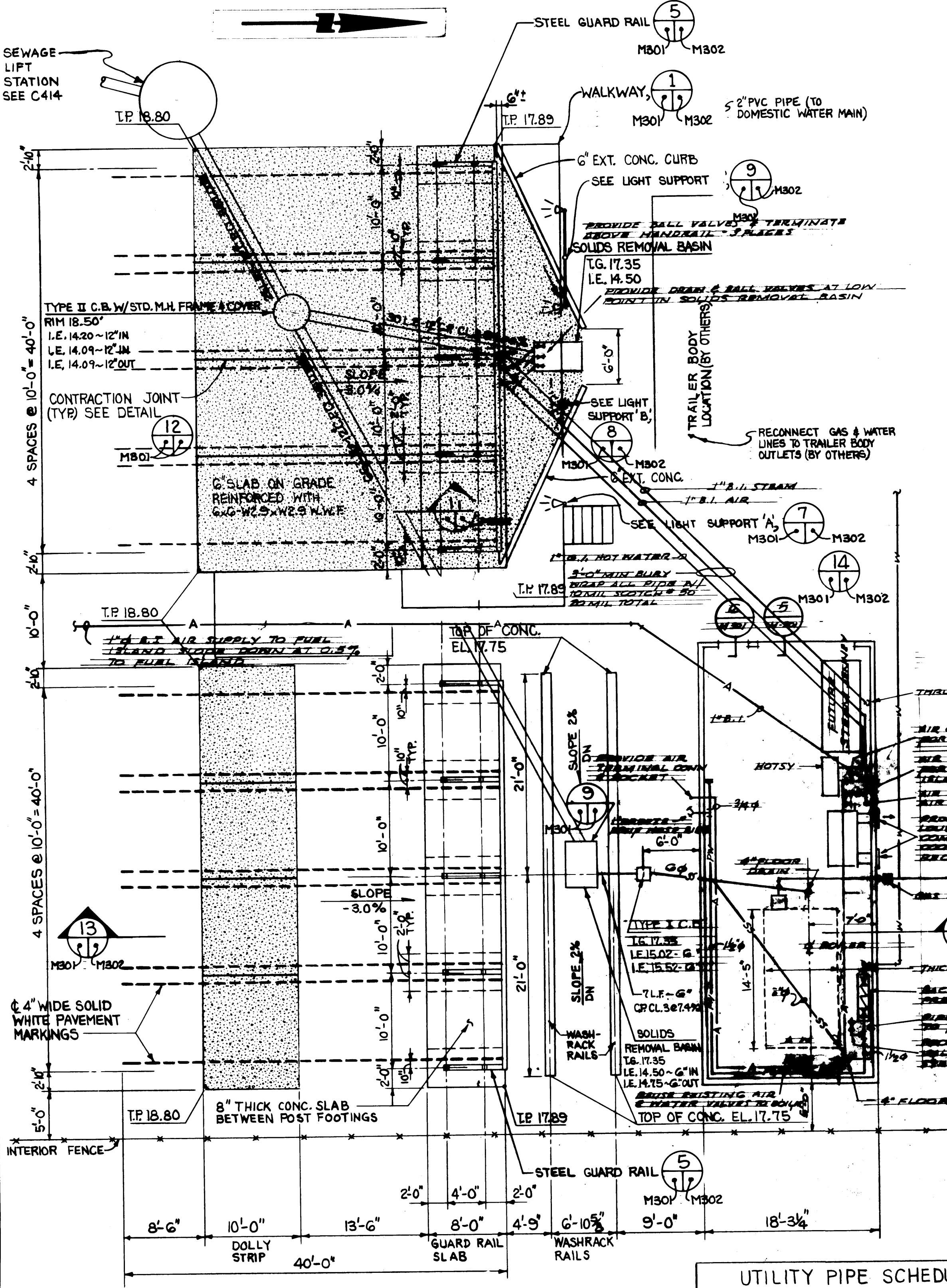
Whitacre Engineers, Inc.
Consulting Engineering & Land Planning
2124 SO. 'K' STREET P.O. BOX 5077
TACOMA, WASHINGTON 98401-5077



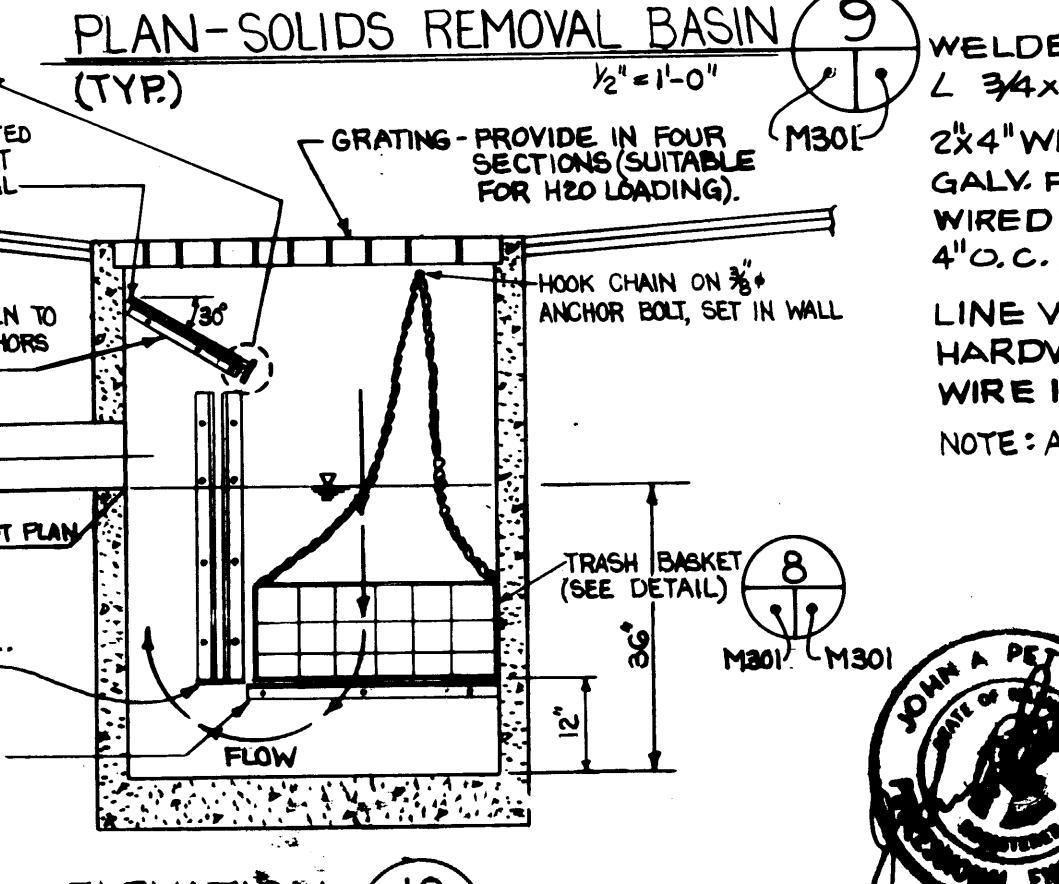
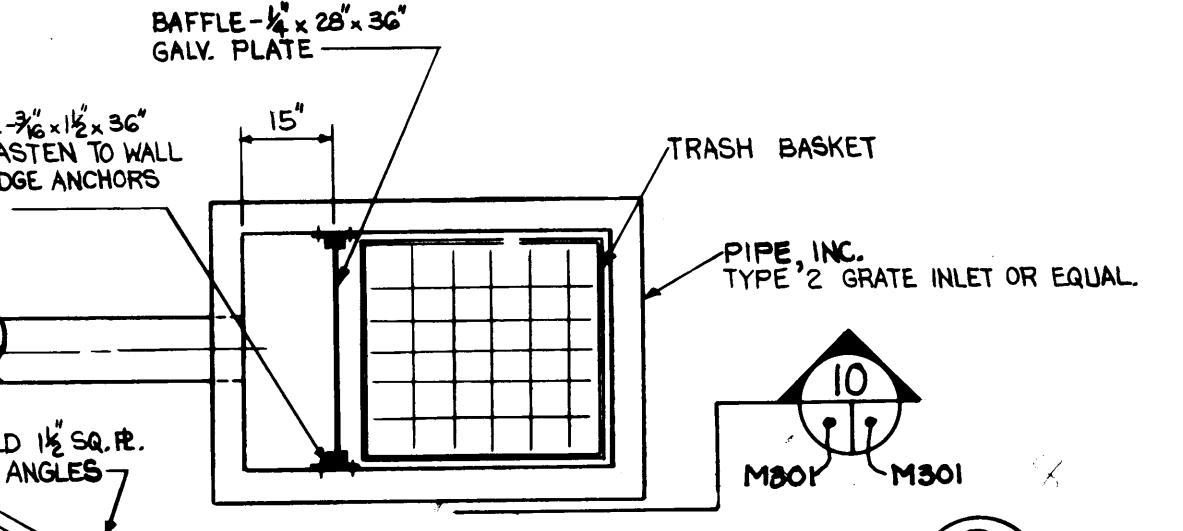
PORT OF TACOMA
TACOMA TERMINALS, INC.
COVER FOR FUELING ISLAND

DRAWN	<u>B.C.</u>
DATE	
CHECKED	<u>M</u>
DATE	<u>5-30-84</u>
CHECKED	<u>P</u>
DATE	<u>5-30-84</u>

<u>SCALE</u>	<u>AS NOTED</u>
<u>DRAWING NO.</u>	
<u>EP-3880-23 - M203</u>	
<u>SHEET</u>	<u>79</u> <u>OF</u> <u>88</u>

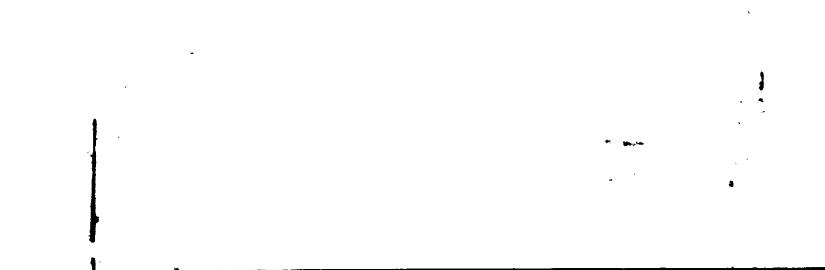


FOOTING & COLUMN DETAIL



TRASH BASKET DETAIL

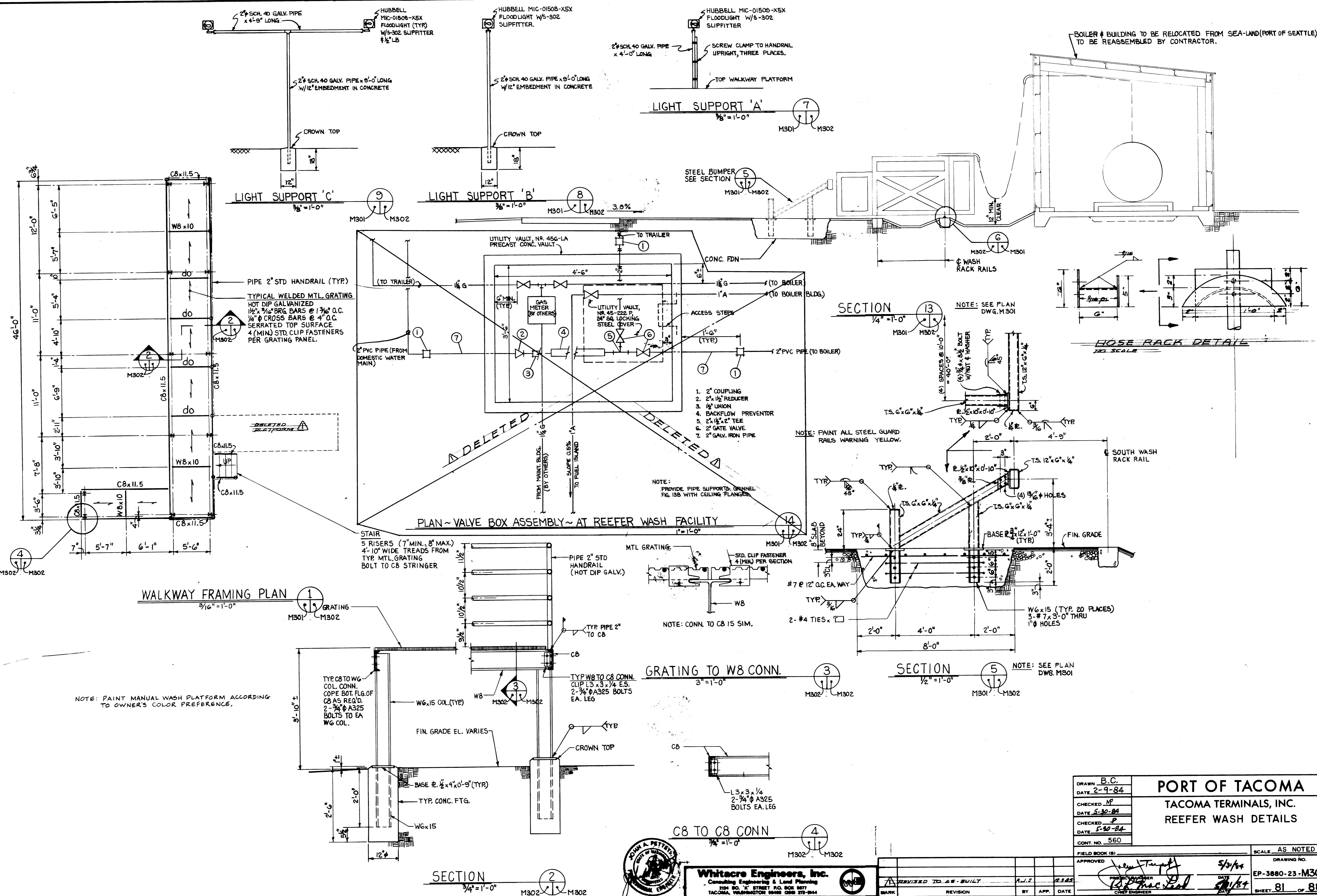
(4) REQ'D. N.T.S.



PORT OF TACOMA
TACOMA TERMINALS, INC.
REEFER WASH FACILITY

DRAWN B.C.	DATE 2-9-84
CHECKED M.F.	DATE 5-20-84
RE-CHECKED	DATE 5-20-84
CONT. NO. 560	

FIELD BOOK (S.)	APPROVED	5/3/84
REvised To AS BUILT	R. J.S.	1/2-388
MARK	REVISION	BY APP. DATE



PORT OF TACOMA

SITE FACILITIES FOR TACOMA TERMINALS INC.

CONTAINER TERMINAL

CONTRACT NO. 550

PORT COMMISSION:

ROBERT G. EARLEY
JACK A. FABULICH
JOE E. FAKER
JOHN A. McCARTHY
PATRICK O'MALLEY

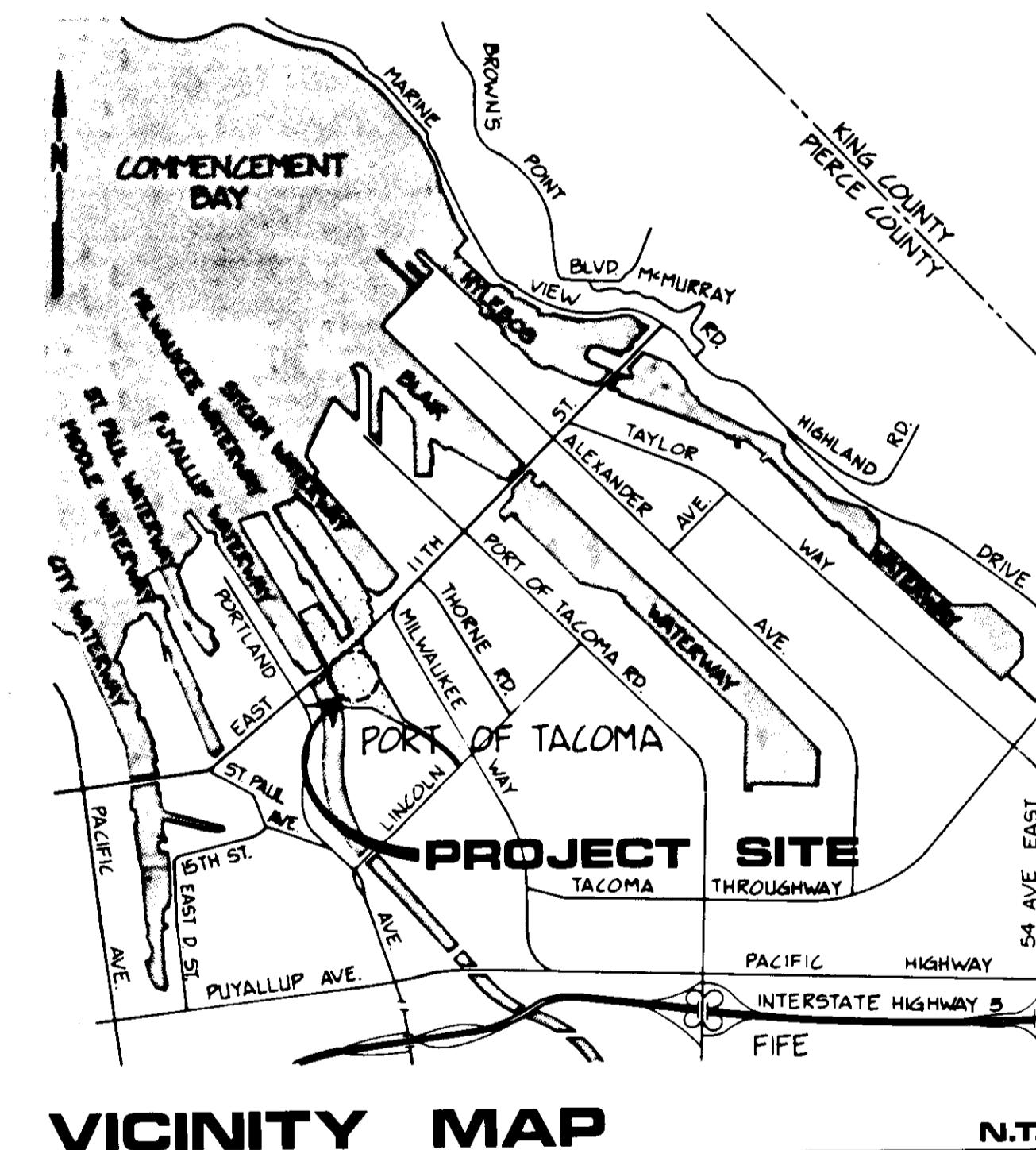
PORT STAFF:

RICHARD DALE SMITH
 EXECUTIVE DIRECTOR
JOHN J. TERPSTRA, P.E.
 PROJECT MANAGER
ROBERT L. MacLEOD, P.E.
 CHIEF ENGINEER

**PORT of
TACOMA
U.S.A.*****

INDEX OF DRAWINGS:

DRAWING NO.	SHEET NO.	SHEET TITLE
EP-3865-23	1	Cover Sheet
EP-3865-23-G1	2	Site Plan & General Notes
EP-3865-23-C1	3	Plan
EP-3865-23-C2	4	Plan
EP-3865-23-C3	5	Plan
EP-3865-23-C4	6	Plan
EP-3865-23-C5	7	Plan
EP-3865-23-C6	8	Typical Sections
EP-3865-23-C7	9	Typical Sections & Details
EP-3863-23		Reference Drawing



CIVIL & ELECTRICAL CONSULTANTS:
 WHITACRE ENGINEERS, INC.
 2124 SOUTH "K" STREET
 TACOMA, WASHINGTON

GEOTECHNICAL CONSULTANTS:
 HART-CROWSER & ASSOC., INC.
 SEATTLE, WASHINGTON

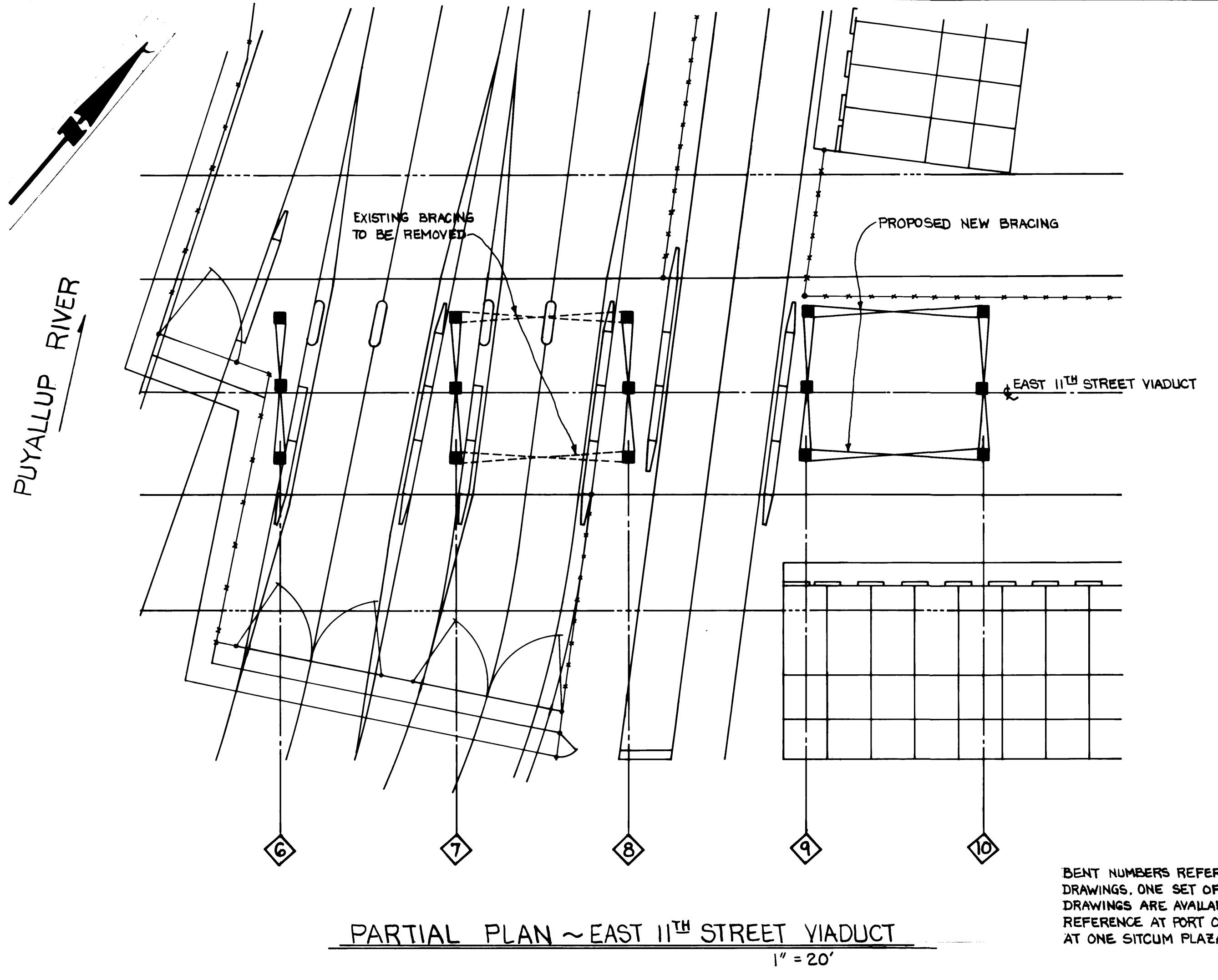


Whitacre Engineers, Inc.
 Consulting Engineering & Land Planning
 2124 SO. "K" STREET P.O. BOX 5677
 TACOMA, WASHINGTON 98405 (206) 272-5144

REFERENCE DRAWING EP-3880-23 SHEET REF1

ISSUED FOR CONSTRUCTION 4/5/84

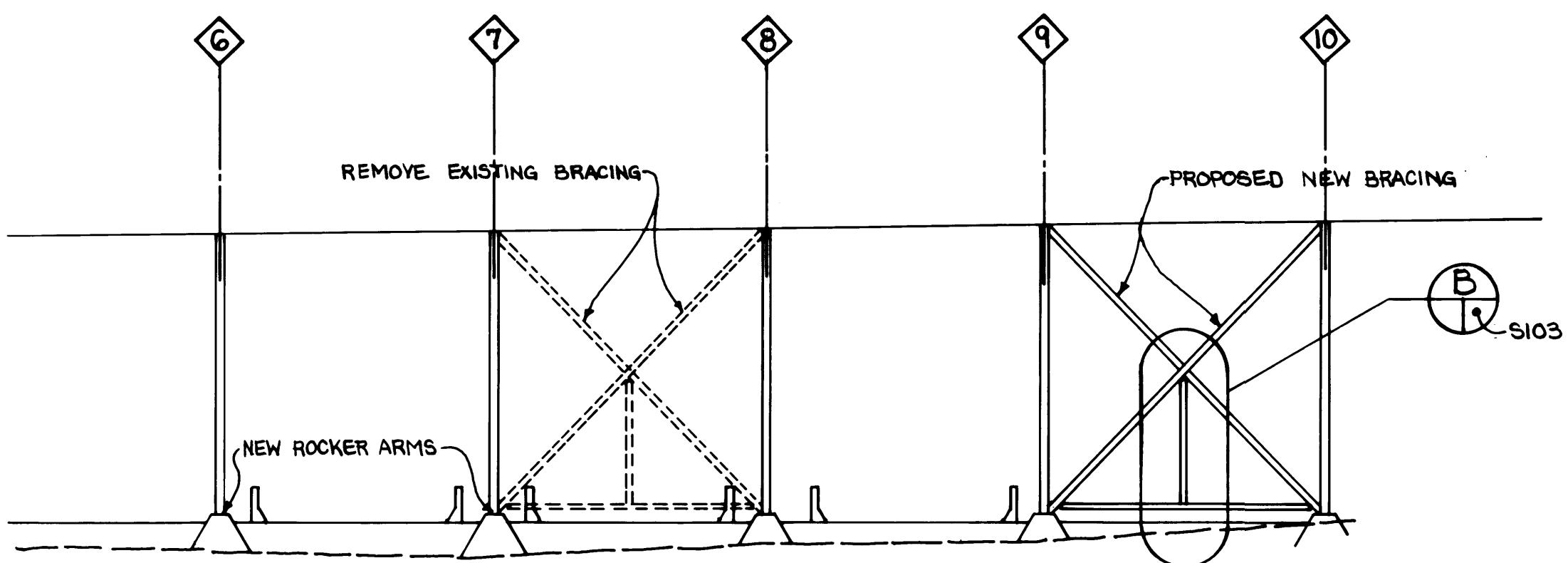
DRAWN R.H. DATE 12-27-83		PORT OF TACOMA	
CHECKED J.P. DATE 12-27-83		TACOMA TERMINALS, INC.	
CHECKED J.P. DATE 12-27-83		C.F.S. AREA EARTHWORK	
CONT NO. 550		COVER SHEET	
FIELD BOOK (S)		SCALE	
APPROVED [Signature] 12/29/83		DRAWING NO. EP-3865-23	
PROJECT MANAGER [Signature] 12/29/83		DATE 12/29/83	
CHIEF ENGINEER [Signature] 12/29/83		DATE	
1 OF 9		SHEET	



PARTIAL PLAN ~ EAST 11TH STREET VIADUCT

1" = 20

BENT NUMBERS REFER TO ORIGINAL DESIGN DRAWINGS. ONE SET OF THE ORIGINAL DESIGN DRAWINGS ARE AVAILABLE FOR CONTRACTOR REFERENCE AT PORT OF TACOMA OFFICES AT ONE SITCUM PLAZA - TACOMA, WA.



PARTIAL ELEVATION ~ EAST 11TH STREET VIADUCT

HORIZ. 1" = 20'
VERT. 1" = 5'

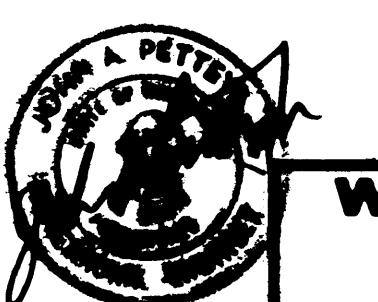
GENERAL NOTES:

1. All methods and materials shall conform to Uniform Building Code 1979 edition except as more specifically covered in detail by A.C.I. 361-72 (revised 1975) "Specifications for Structural Concrete for Buildings", the "Manual of Steel Construction" eighth edition - A.I.S.C., the "Structural Welding Code" 1981 edition, the "Standard Specification for Road and Bridge Construction" 1988 edition by Washington State Highway Commission.
 2. All dimensions and details shall be verified by the Contractor prior to fabrication and/or construction.
 3. The Contractor shall be responsible for providing sufficient temporary shoring to hold structure plumb and rigid against loads during construction.
 4. Procedure Sequence:
 - A. Install new longitudinal brace between bents 9 and 10. See drawings.
 1. Remove lateral brace from north and south columns bent 9 and 10.
 2. Remove hold down angles bent 10.
 3. Install new top column gusset bents 9 and 10 using 7/8" diameter high strength bolts.
 4. Install new lower gusset plates bent 10 and weld new gusset plate extension to existing gusset plates bent 9.
 5. Reininstall new hold down angles bent 10 and bolt lateral braces to columns with 7/8" diameter high strength bolts.
 6. Weld in new bearing plates each side of rockers.
 - B. Remove as necessary the bracing gusset from bent 8.
 - C. Install new rockers at bent 6 and 7.
 - 1a. Block center columns in bents 6 and 7 under main girders to support approximately 155 kips (dead load plus restricted live load). Note: only two outside lanes will be carrying traffic.
 - 1b. Remove lateral bracing connections from center cols. bent 6 and 7.
 - 1c. Cut center columns in bent 6 and 7 and remove lower section.
 - 1d. Cut top of center concrete piers bent 6 and 7.
 - 1e. Install new base plate, grout and anchor with 4 drilled and grouted anchors.
 - 1f. Weld new rocker to base plate.
 - 1g. Bolt existing base plate to new guide plate for rocker.
 - 1h. Replace lower column section and connect to top section with new splice plates and 7/8" diameter high strength bolts.
 - 1i. Reininstall lateral braces with 7/8" diameter high strength bolts.
 - 1j. Remove column supports.
 - 2a. Block the south columns in bents 6 and 7 under main girders to support approximately 100 kips (dead load and restricted live load).
 - 2b. Remove lateral bracing connections from south columns bent 6 and 7.
 - 2c. Cut south columns in bent 6 and 7 and remove lower section.
 - 2d. Cut top of south concrete piers bent 6 and 7.
 - 2e. Install new base plate, grout and anchor with 4 drilled and grouted anchors.
 - 2f. Weld new rocker to base plate.
 - 2g. Bolt existing base plate to new guide plate for rocker.
 - 2h. Replace lower column section and connect to top section with new splice plates and 7/8" diameter high strength bolts.
 - 2i. Reininstall lateral braces with 7/8" diameter high strength bolts.
 - 2j. Remove column supports.
 - 3a. Block the north columns in bents 6 and 7 under main girder to support approximately 155 kips (dead load and restricted live load).
 - 3b. Remove lateral bracing connections from north columns bent 6 and 7.
 - 3c. Cut south columns in bent 6 and 7 and remove lower section.
 5. Cut top of south concrete piers bent 6 and 7.
 6. Install new base plate, grout and anchor with 4 drilled and grouted anchors.
 7. Weld new rocker to base plate.
 8. Bolt existing base plate to new guide plate for rocker.
 9. Replace lower column section and connect to top section with new splice plates and 7/8" diameter high strength bolts.
 10. Reininstall lateral braces with 7/8" diameter high strength bolts.
 11. Remove column supports.
 12. All new steel work shall receive 3 coats of paint per Section 6-57 of State of Washington Standard Specifications for Road and Bridge Construction latest edition. Color to match existing bridge.
 13. The following data must be observed with reference to restricted traffic.
 - a. One lane each way:
 1. Daily

8:30 a.m. to 3:30 p.m.
5:30 p.m. to 6:00 a.m.
 2. Weekends 5:30 p.m. Friday to 6:00 a.m. Monday
 - b. Fully open daily

6:00 a.m. to 8:30 p.m.
3:30 p.m. to 5:30 p.m.
 14. Maintenance of Traffic: The provisions of the Standard Specifications for Road and Bridge Construction pertaining to the maintaining and safeguarding of traffic shall remain in all respects, together with the following Special Provisions:
 - A. The Contractor shall be responsible for all necessary detour signs and cones, and shall provide and place flashers and barricades within the project area and shall coordinate with the City Traffic Engineer all matters pertaining to the movement of vehicular and pedestrian traffic past the project area. In addition, the City Traffic Engineer shall be notified a minimum of three (3) City-of-Tacoma working days in advance of the date and time that implementation is to be made for all detours, closures, and other activities involving the disruption of travel of pedestrian or vehicular traffic.

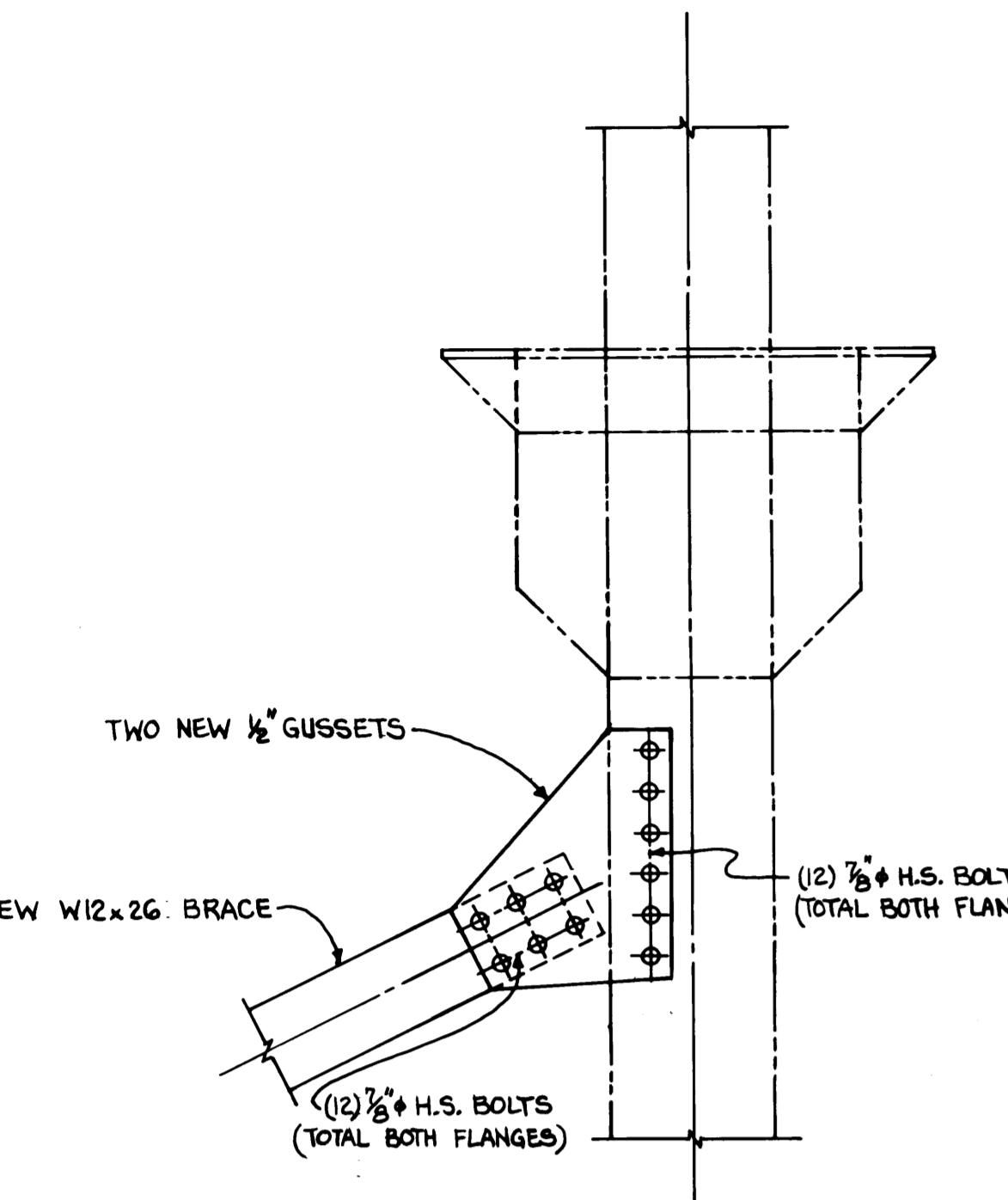
The posting of flagmen, advance warning signs, barricades, traffic cones, flashers etc. shall conform to the standards established in the latest edition of "Manual on Uniform Traffic Control Devices" published by the U.S Department of Transportation.



Whitacre Engineers, Inc.
Consulting Engineering & Land Planning
2124 SO. 'K' STREET P.O. BOX 3677
TACOMA, WASHINGTON 98405 (206) 777-5444

PORT OF TACOMA
TACOMA TERMINALS, INC.
EAST 11th STREET
VIADUCT MODIFICATIONS
PARTIAL PLAN & NOTES

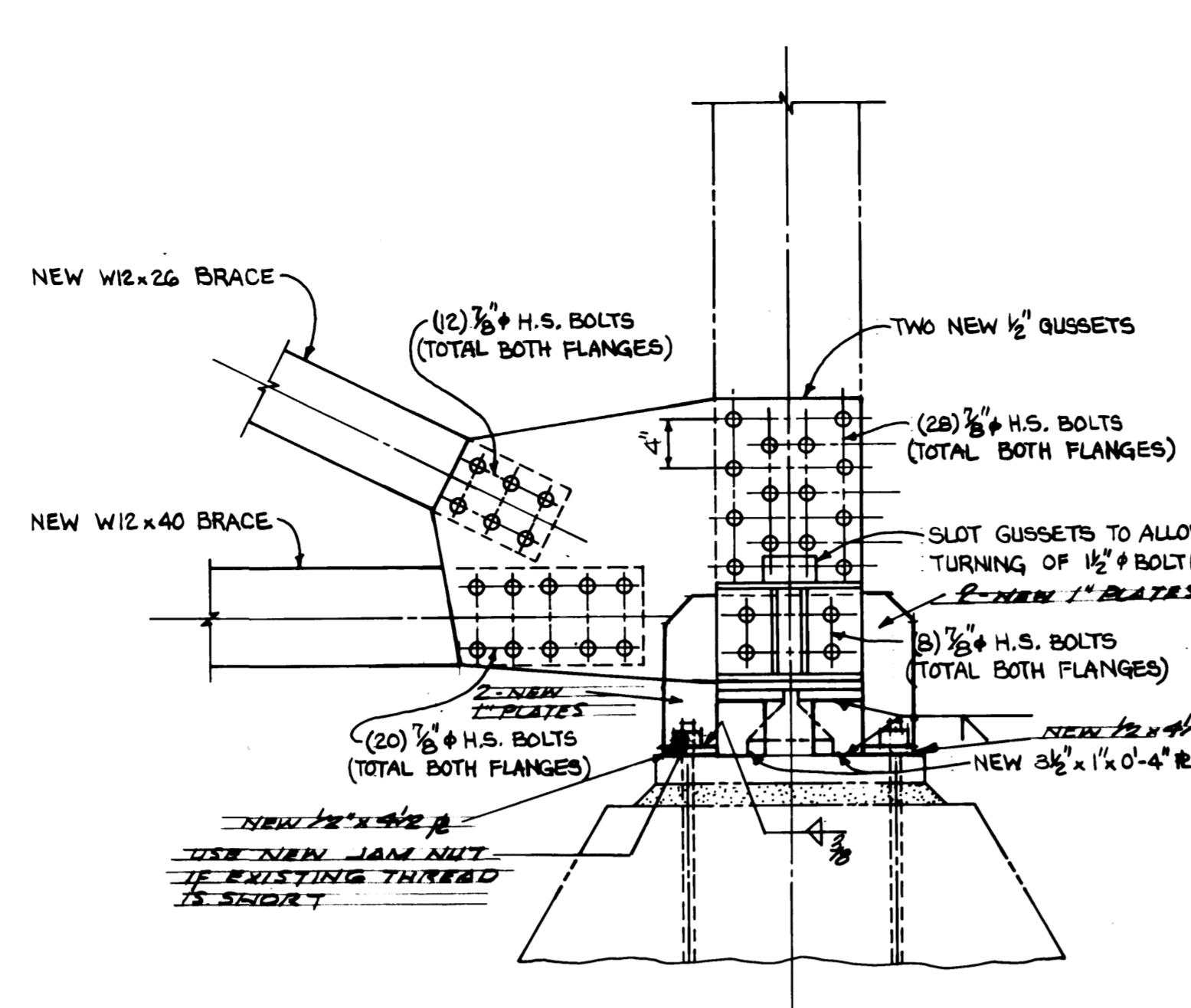
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<i>H</i>	DRAWING NO.	
5/31/89	EP-3880-23-SIC	
DATE <i>5/31/89</i>	82	OF 8
DATE <i>5/31/89</i>	SHEET	



COL. LINE 10

SOUTH COL.~TOP

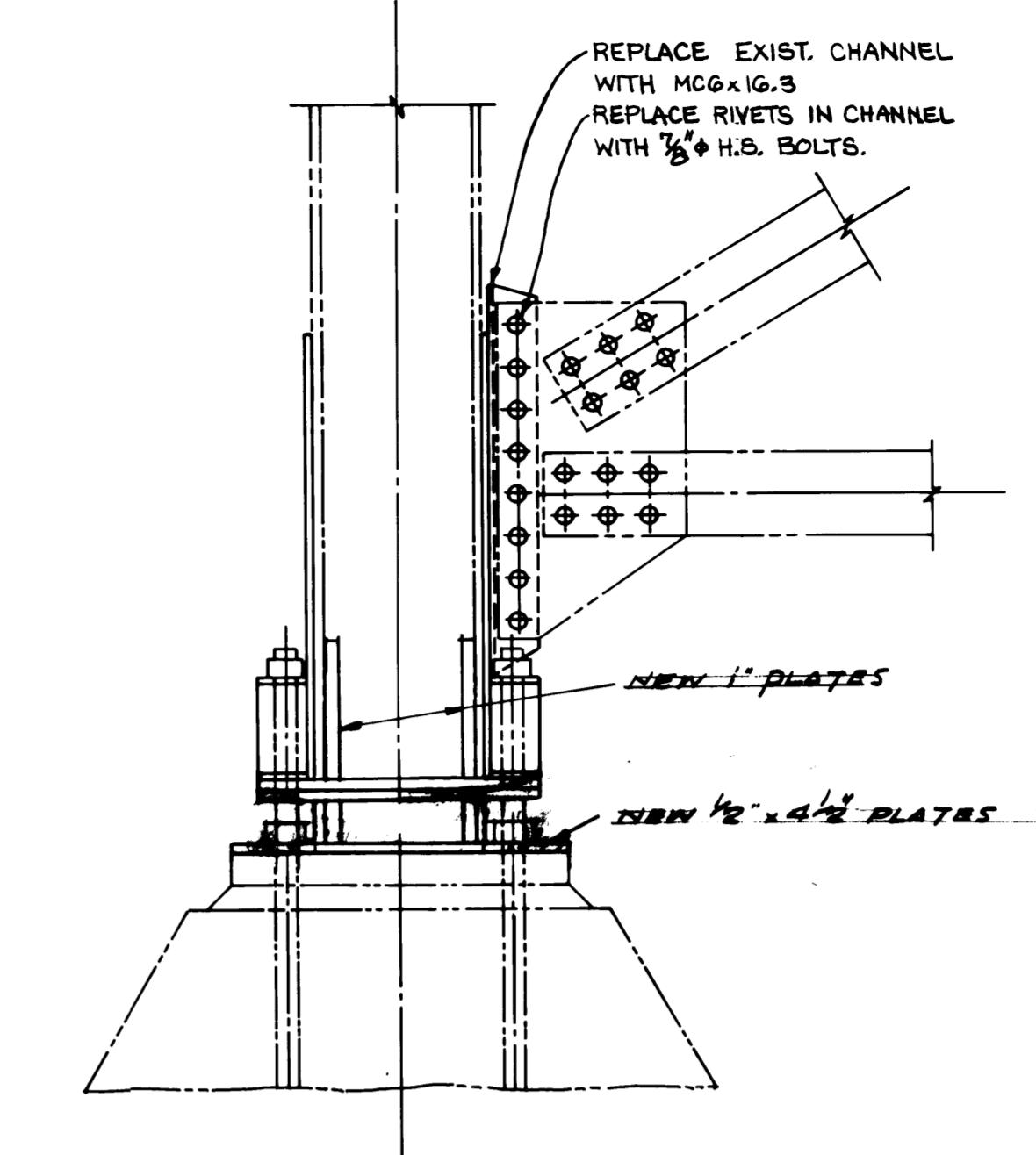
NORTH COL.~TOP OPP. HAND



COL. LINE 10 △

SOUTH COL.~BOTTOM

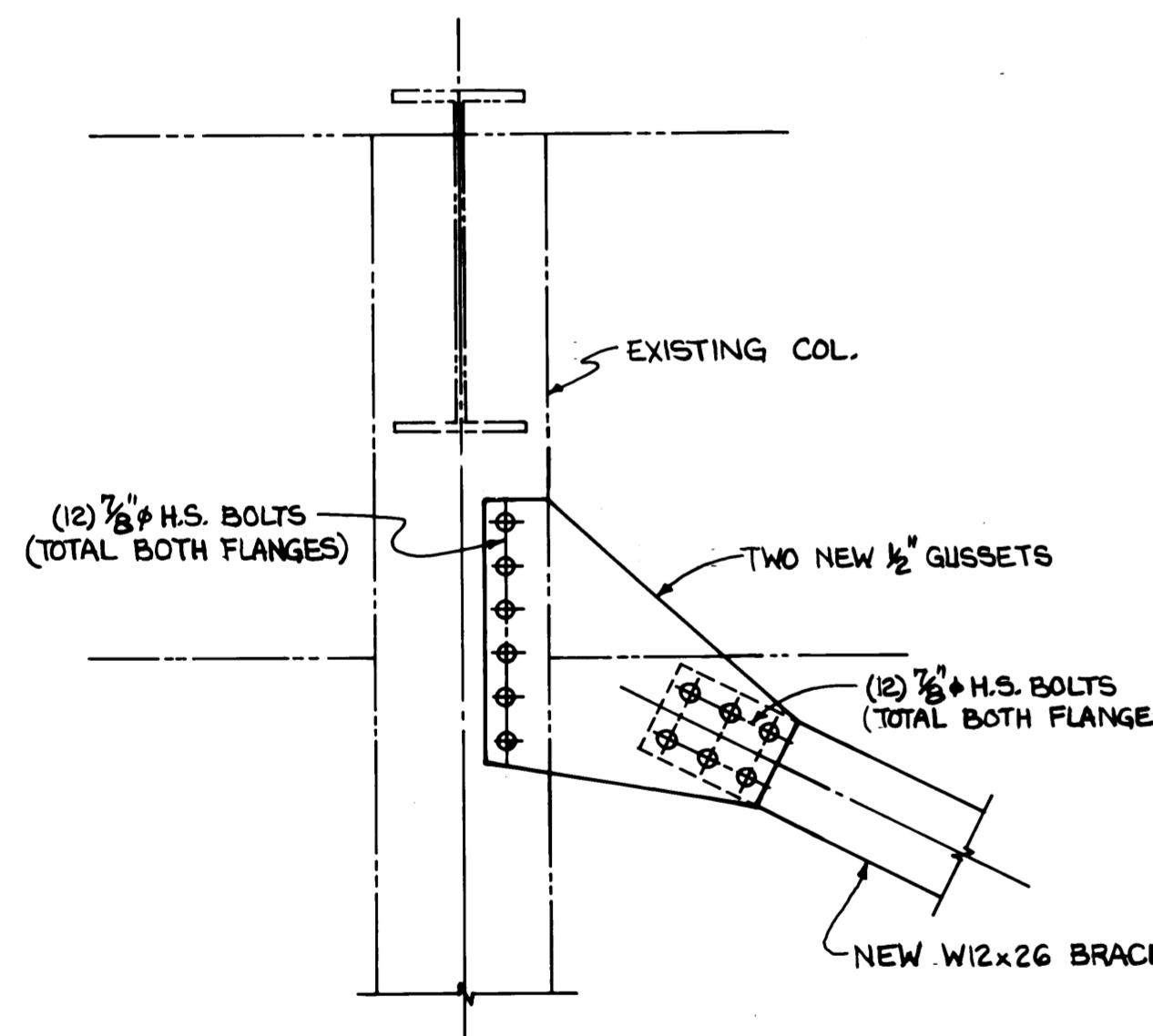
NORTH COL.~BOTTOM OPP. HAND



COL. LINE 10 △

SOUTH COL.~EAST VIEW

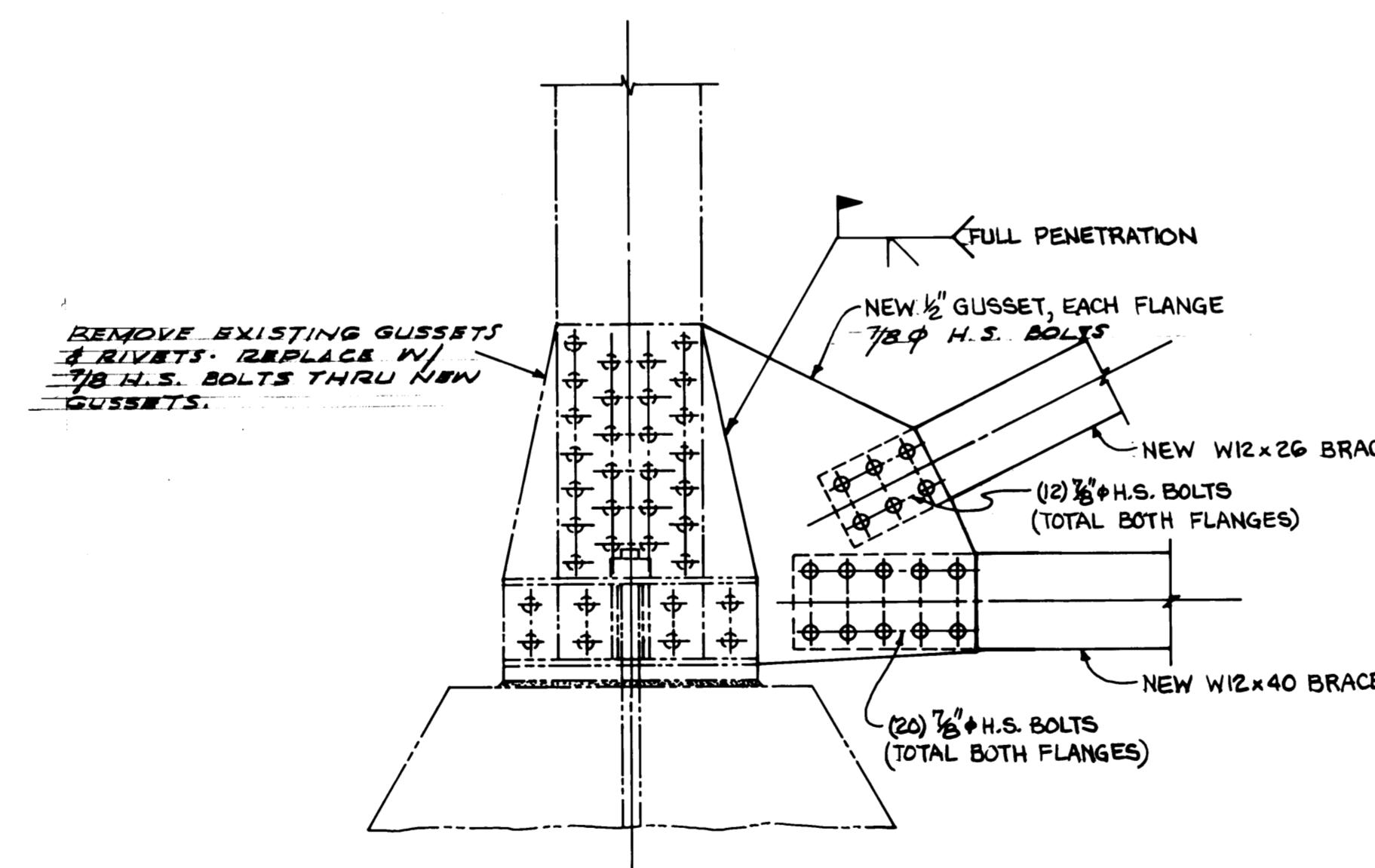
NORTH COL.~EAST VIEW OPP. HAND



COL. LINE 9

SOUTH COL.~TOP

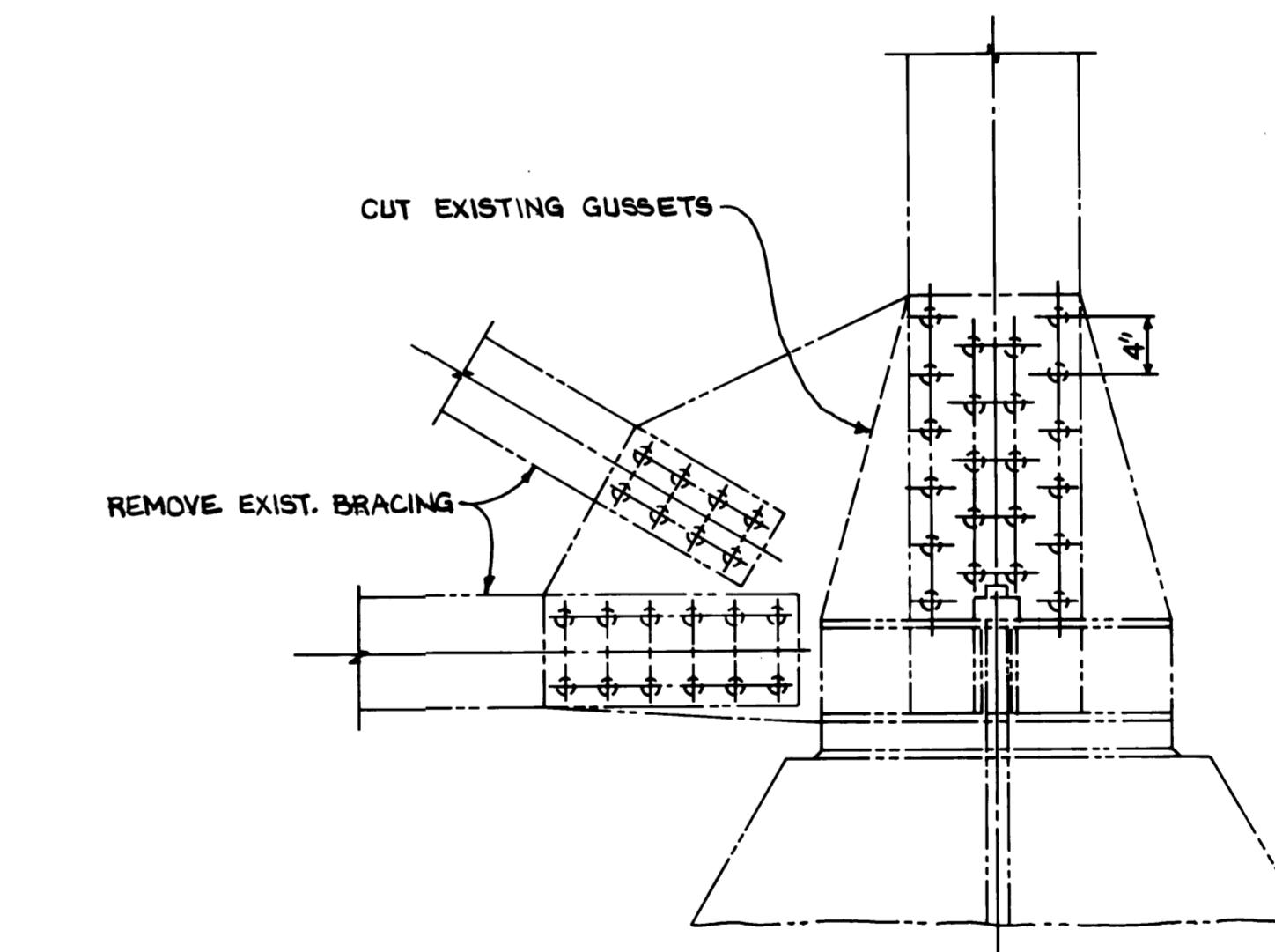
NORTH COL.~TOP OPP. HAND



COL. LINE 9 △

SOUTH COL.~BOTTOM

NORTH COL.~BOTTOM OPP. HAND



COL. LINE 8

SOUTH COL.~BOTTOM

NORTH COL.~BOTTOM OPP. HAND



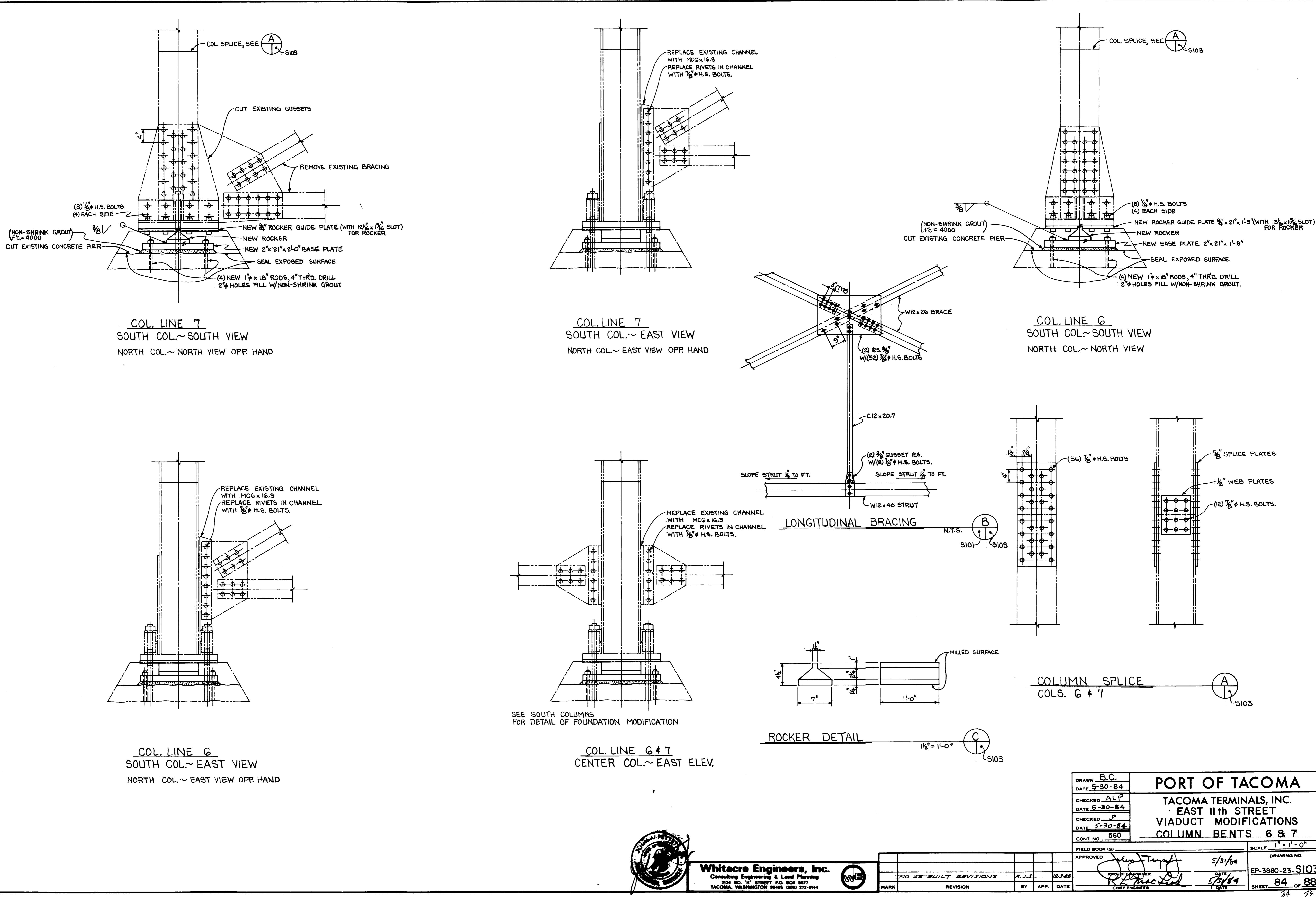
Whitacre Engineers, Inc.
Consulting Engineering & Land Planning
2200 50th Street, P.O. Box 5944
TACOMA, WASHINGTON 98405 509-344-5944

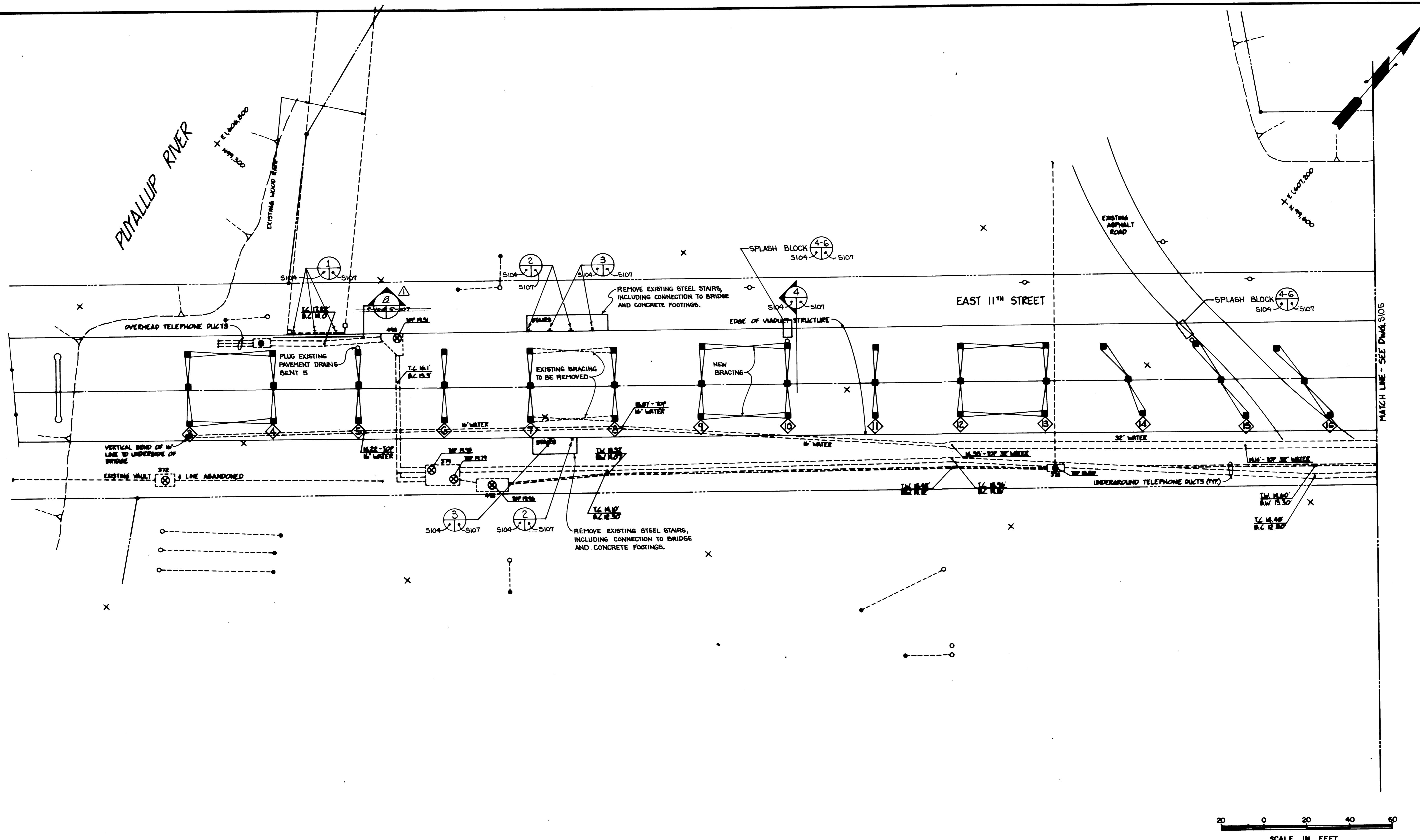
DRAWN BY	B.C.
DATE	5-30-84
CHECKED BY	ALP
DATE	5-30-84
APPROVED BY	J.P.
DATE	5-30-84
CONT. NO.	560
FIELD BOOK (S)	1"
SCALE	1" = 1'-0"
DRAWING NO.	
EP-3880-23-S102	
PROJECT MANAGER	John P. Ladd
DATE	5/30/84
CHIEF ENGINEER	John P. Ladd
DATE	5/30/84
SHEET	83
OF	88

PORT OF TACOMA

TACOMA TERMINALS, INC.
EAST 11th STREET
VIADUCT MODIFICATIONS
COLUMN BENTS 8-9-10

REVISED TO AS-BUILT
MARK
REVISION
BY APP. DATE
DATE
CHIEF ENGINEER
DATE
SHEET
OF





B.C.	
DRAWN 5-30-84	
CHIEF ALP	
DATE 5-30-84	
CHECKED P	
DATE 5-30-84	
APPROVED S	
DATE 5-30-84	
SCALE AS NOTED	
DRAWING NO. S104	
REMARKS	
Jerry Tengenf	5/30/84
Roger L. Lind	
85 88	

PORT OF TACOMA

TACOMA TERMINALS, INC.

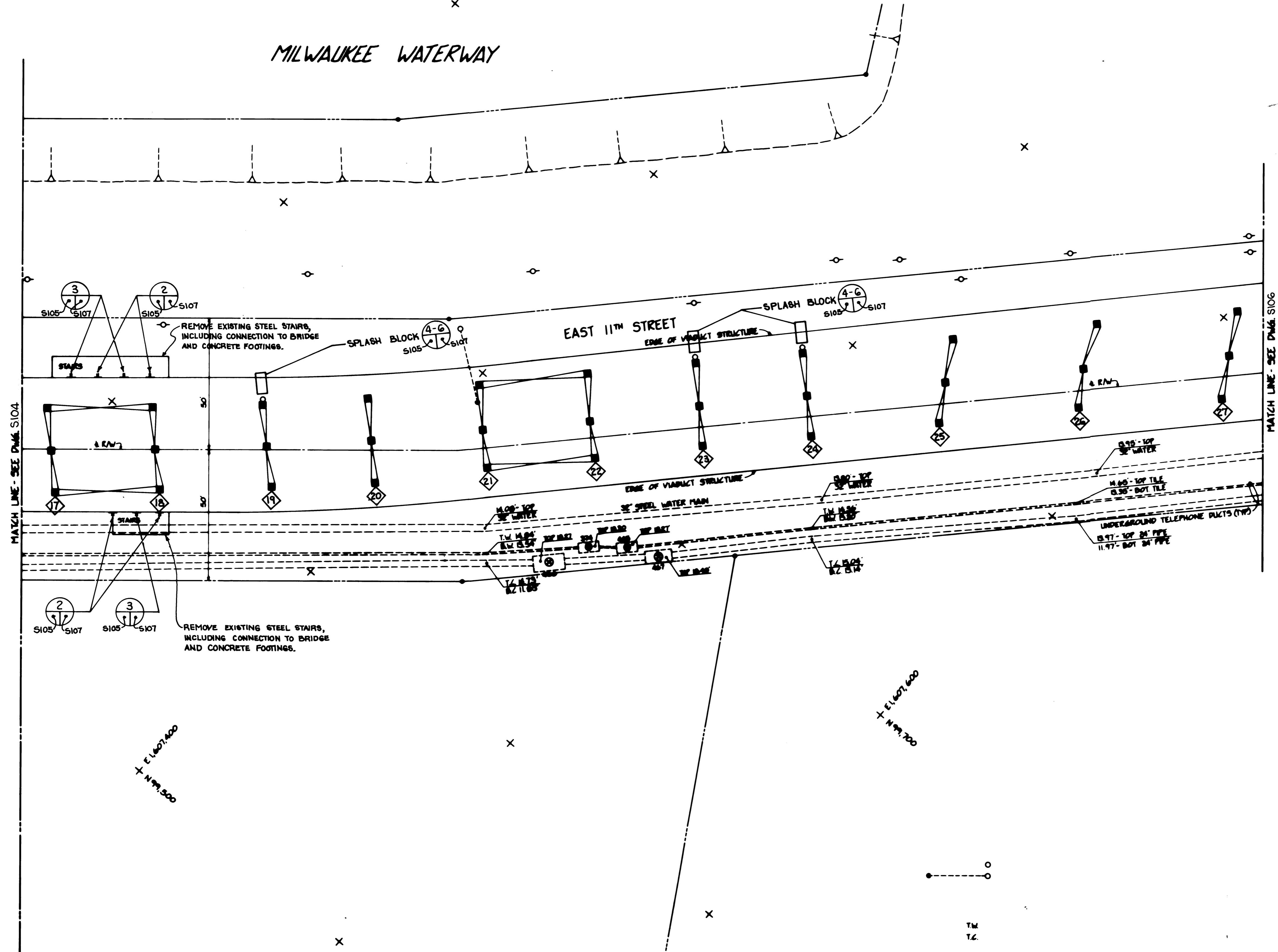
EAST 11th STREET

VIADUCT MODIFICATIONS

GENERAL PLAN I

WILSON ENGINEERS

MILWAUKEE WATERWAY

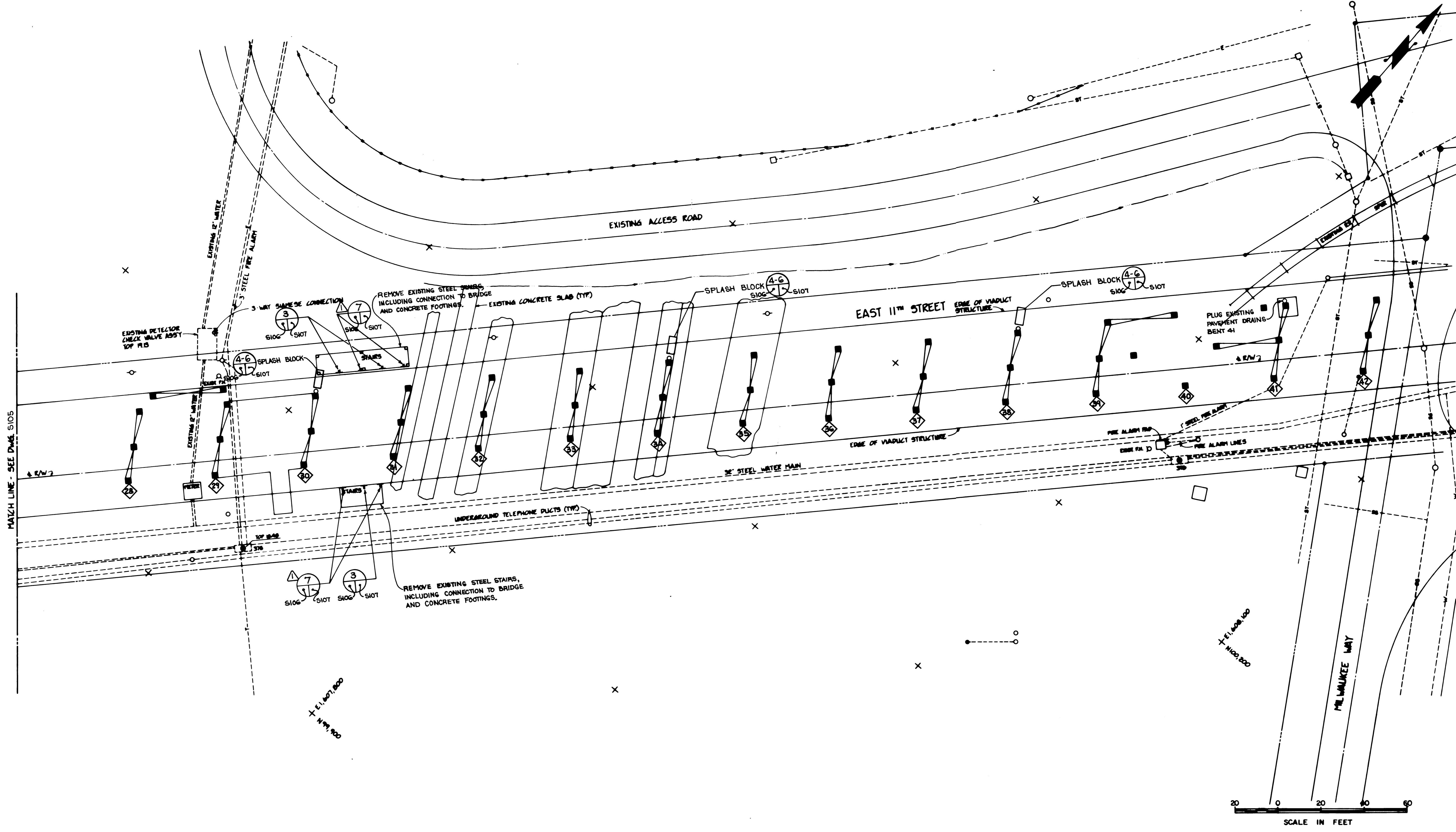


Whitacre Engineers, Inc.
Consulting Engineering & Land Planning
3000 So. W. Street, Salt Lake City, Utah 84107
www.whitacre.com

~~NO AS-BUILT~~

DRAWN <u>B.C.</u> DATE <u>5-30-84</u>	PORT OF TACOMA	
CHECKED <u>ALP</u> DATE <u>5-30-84</u>	TACOMA TERMINALS, INC.	
CHECKED <u>S</u> DATE <u>5-30-84</u>	EAST 11th STREET VIADUCT MODIFICATIONS GENERAL PLAN 2	
CONT. NO. <u>500</u>		
FIELD CHECKED	SCALE AS NOTED	
APPROVED <i>John F. Tresselt</i>	<u>5/31/84</u>	DRAWING NO. <u>SP-3000-21-S105</u>
<i>John F. Tresselt</i>	<u>5/31/84</u>	86 ~ 88

PORT OF TACOMA
TACOMA TERMINALS, INC.
EAST 11th STREET
VIADUCT MODIFICATIONS
GENERAL PLAN 2



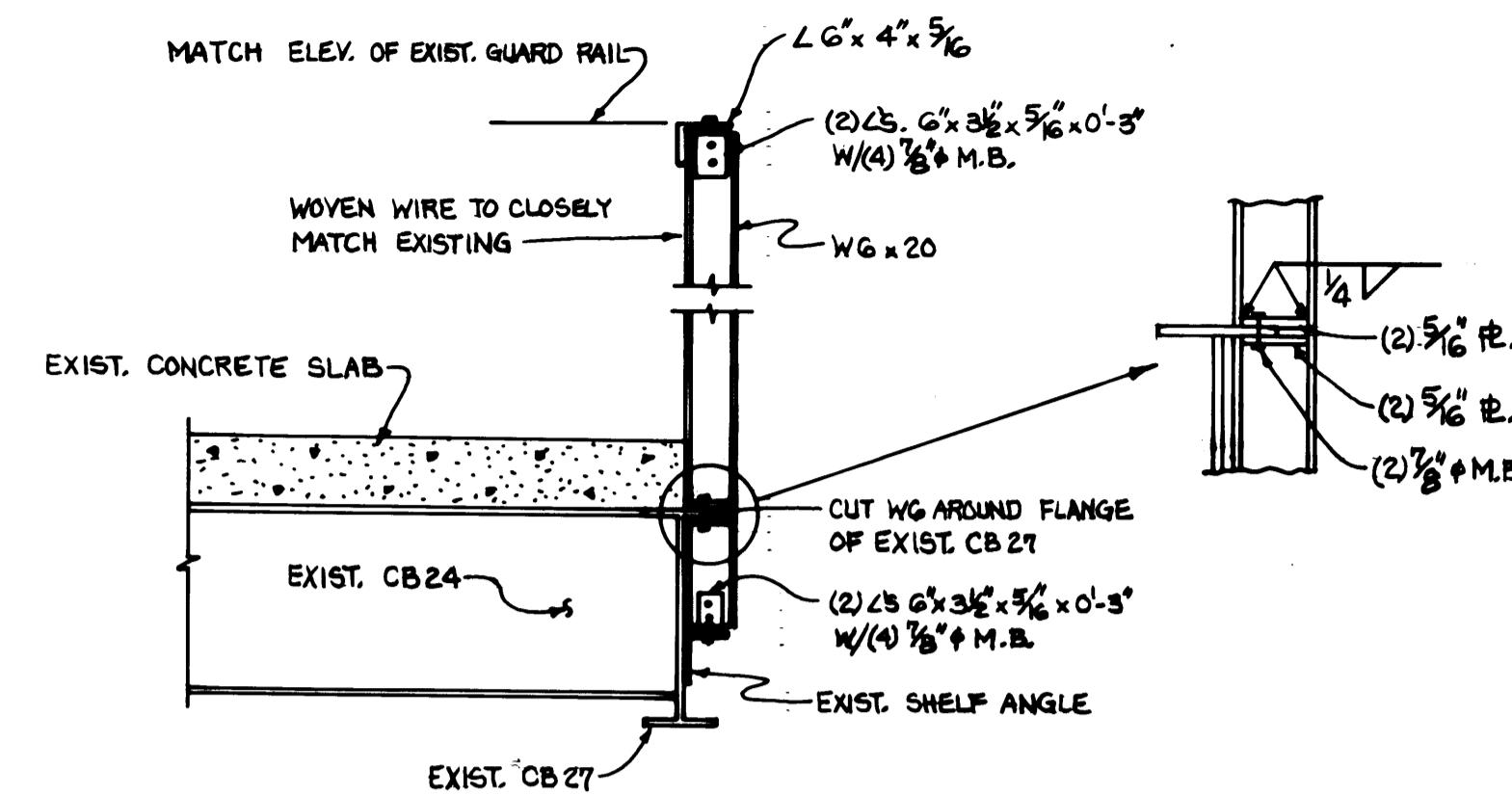
DRAWN	B.C.
DATE	5-30-84
CHECKED	ALP
DATE	5-30-84
CHECKED	J
DATE	5-30-84
CONT. NO.	509

PORT OF TACOMA

TACOMA TERMINALS, INC.
EAST 11th STREET
VIADUCT MODIFICATIONS
GENERAL PLAN 3

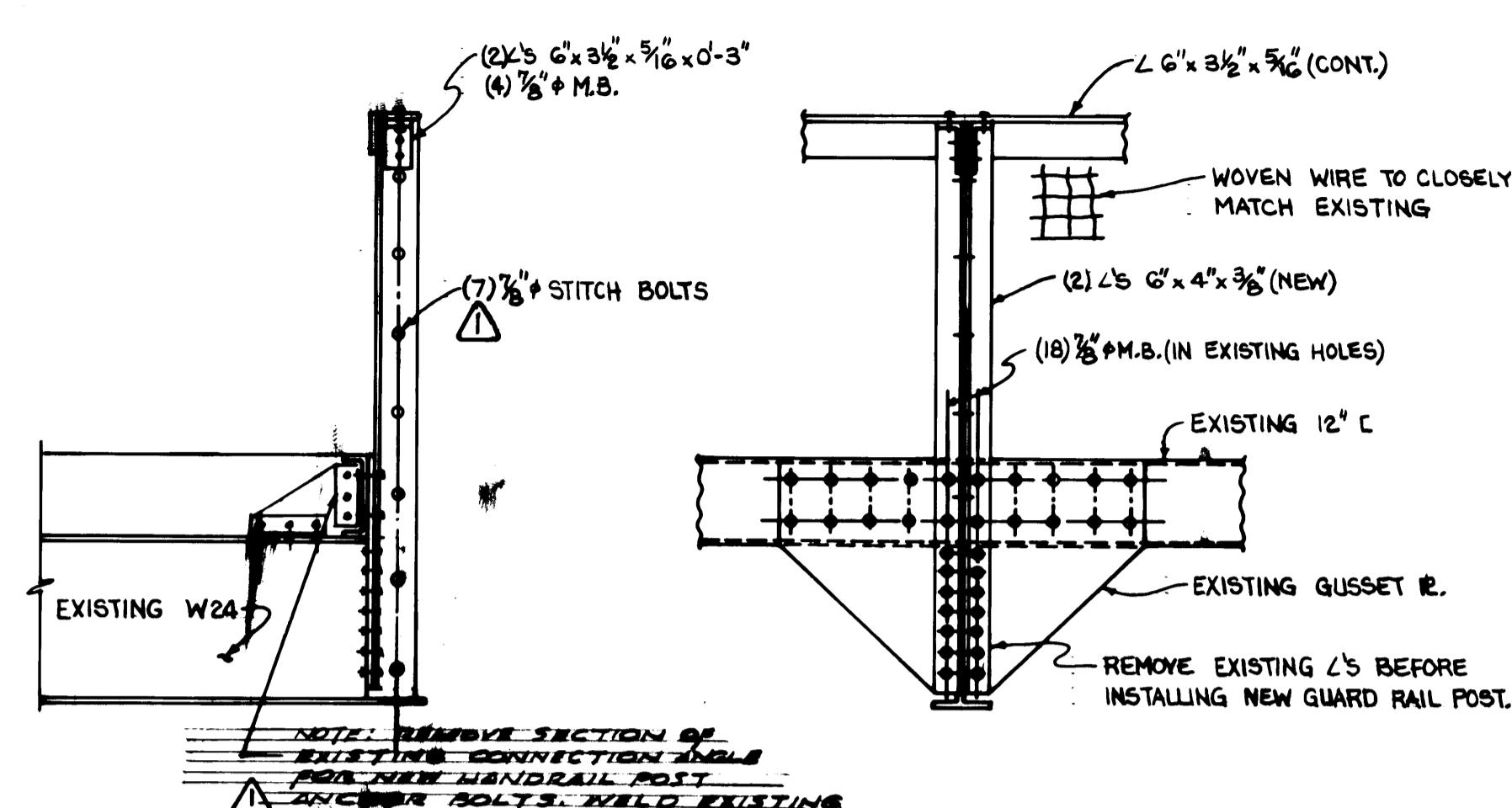
AS NOTED

Whiteore Engineers, Inc.
Civil Engineering & Land Planning
200 S. W. 1ST AVENUE
MIAMI, FLORIDA 33126



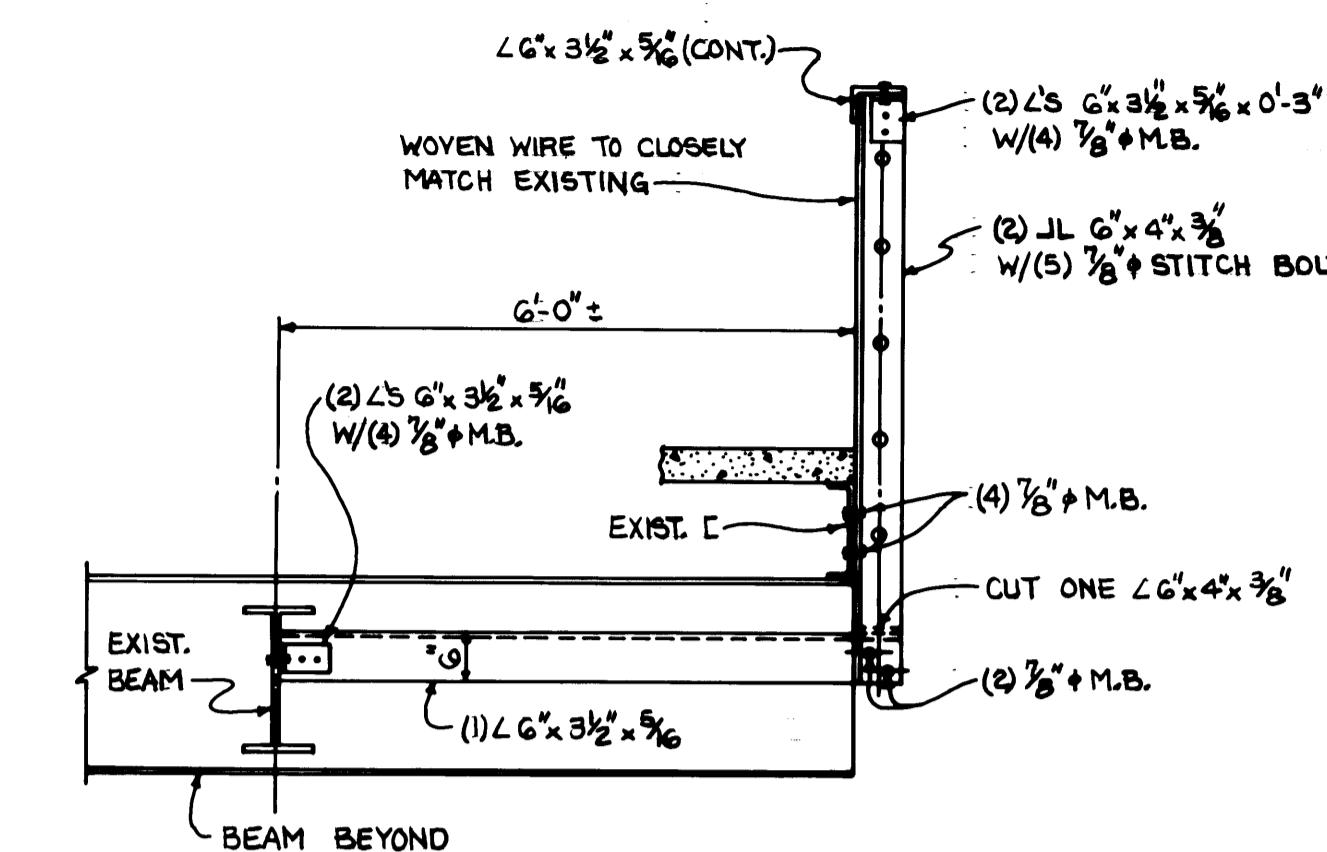
GUARD RAIL POST CONN.

$\frac{1}{2}'' = 1'-0''$

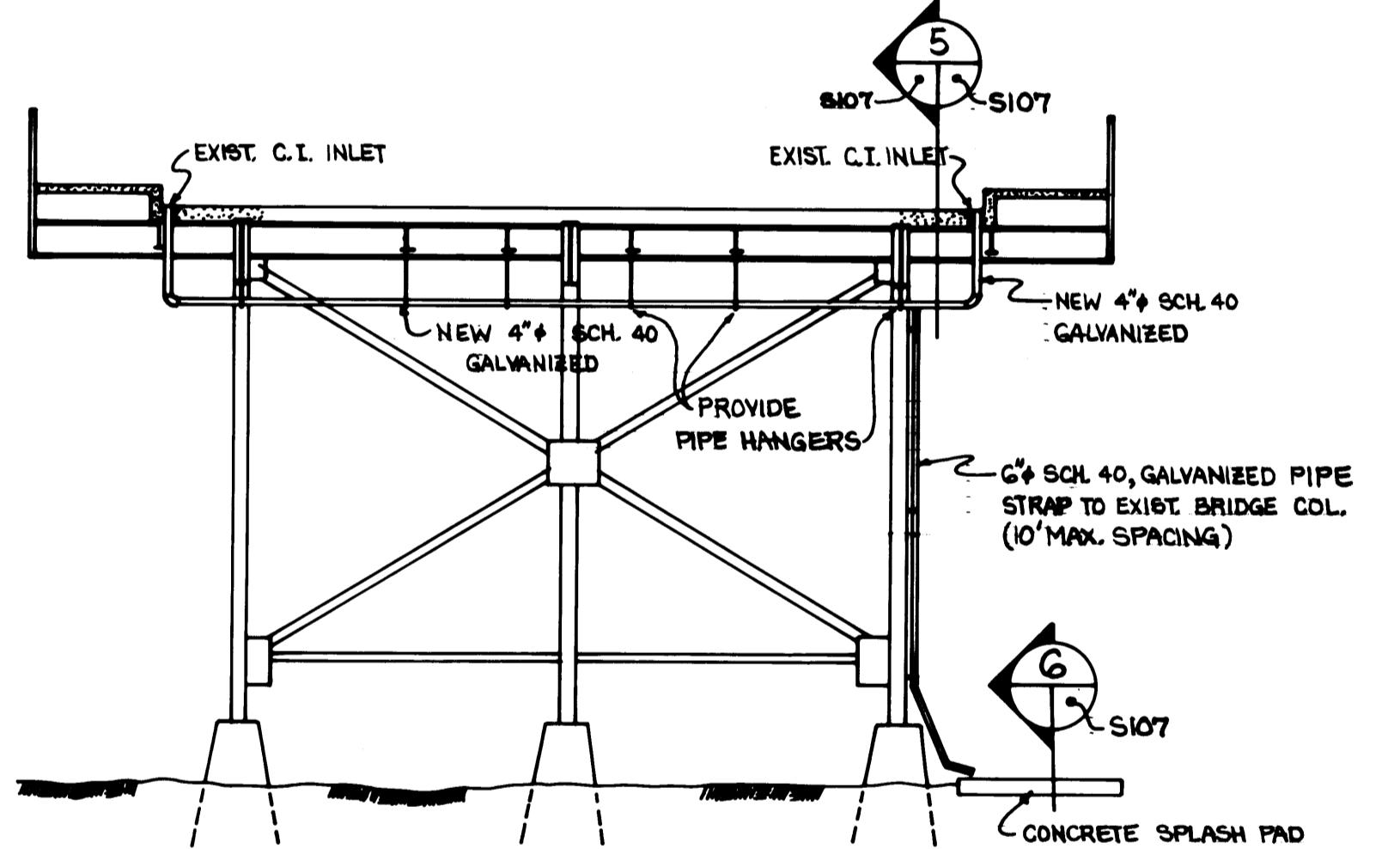


GUARD RAIL POST

$\frac{1}{2}'' = 1'-0''$

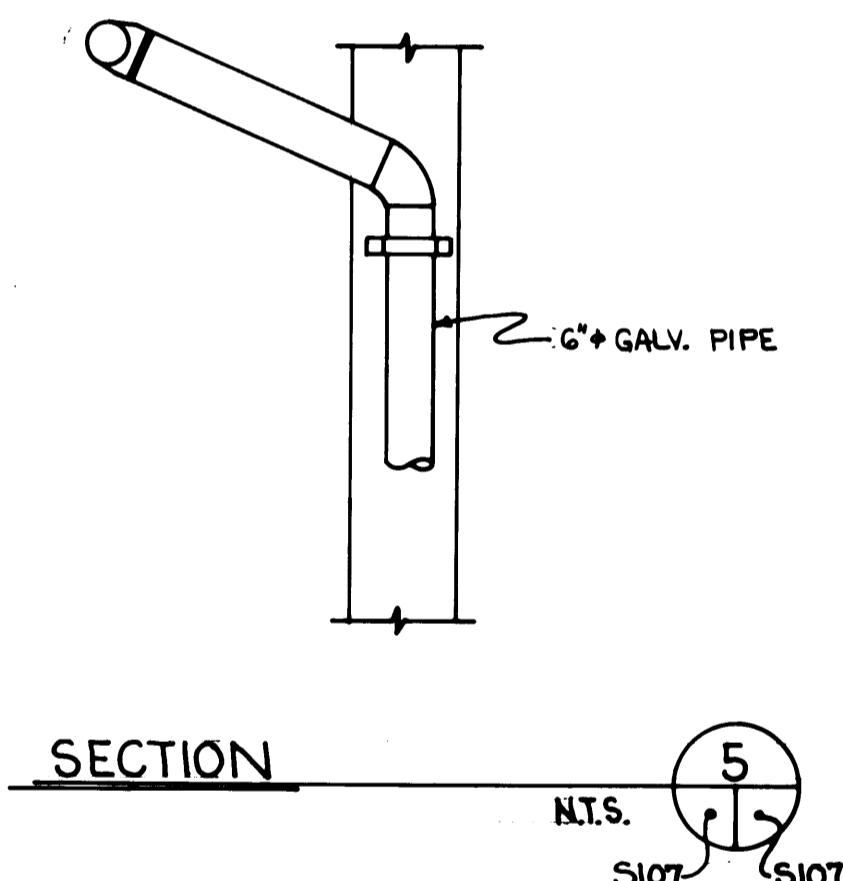


GUARD RAIL POST CONN.



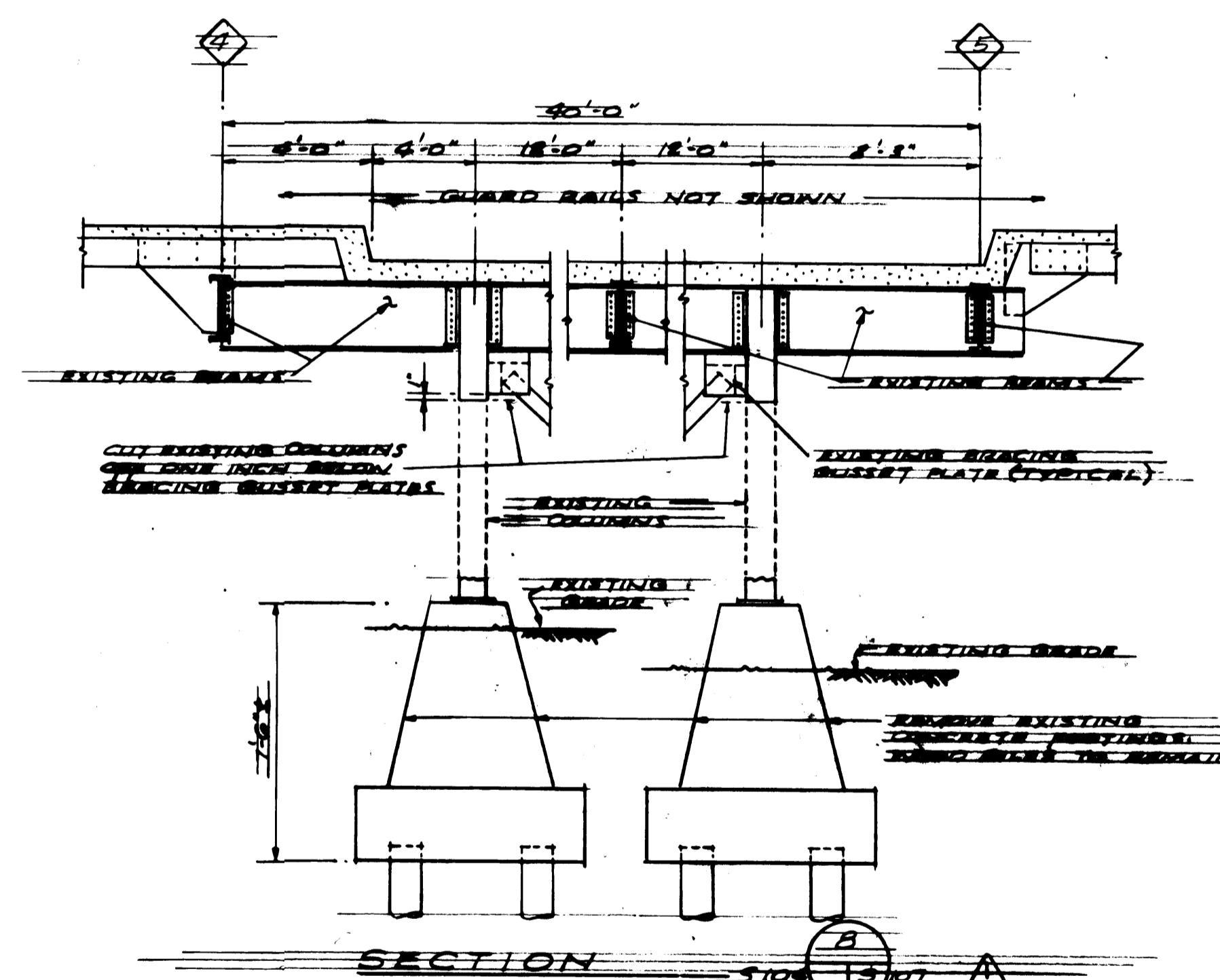
TYPICAL CROSS SECTION (SHOWING PAVEMENT DRAINS)

N.T.S.
S104
S105
S107

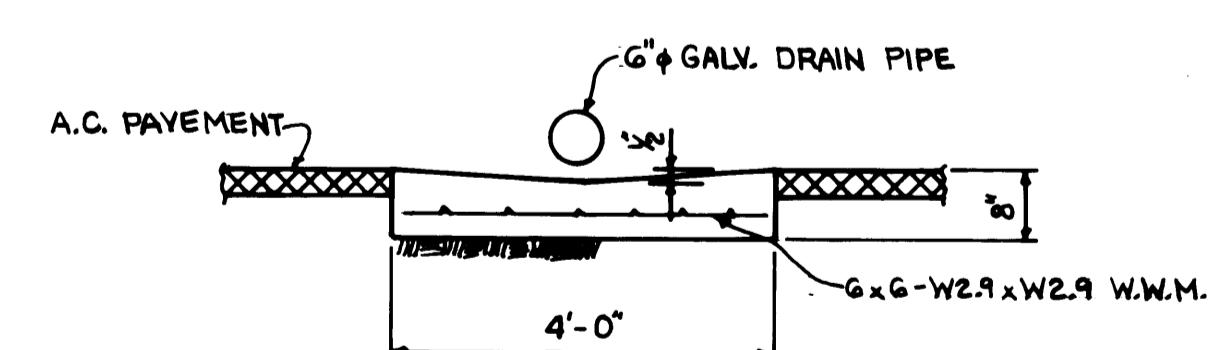


SECTION

A circular stamp with a double-lined border. Inside, the number '5' is positioned at the top. Below it, the letters 'N.T.S.' are printed in a bold, sans-serif font. A horizontal line extends from the left side of the stamp across the page.



SECTION



SECTION



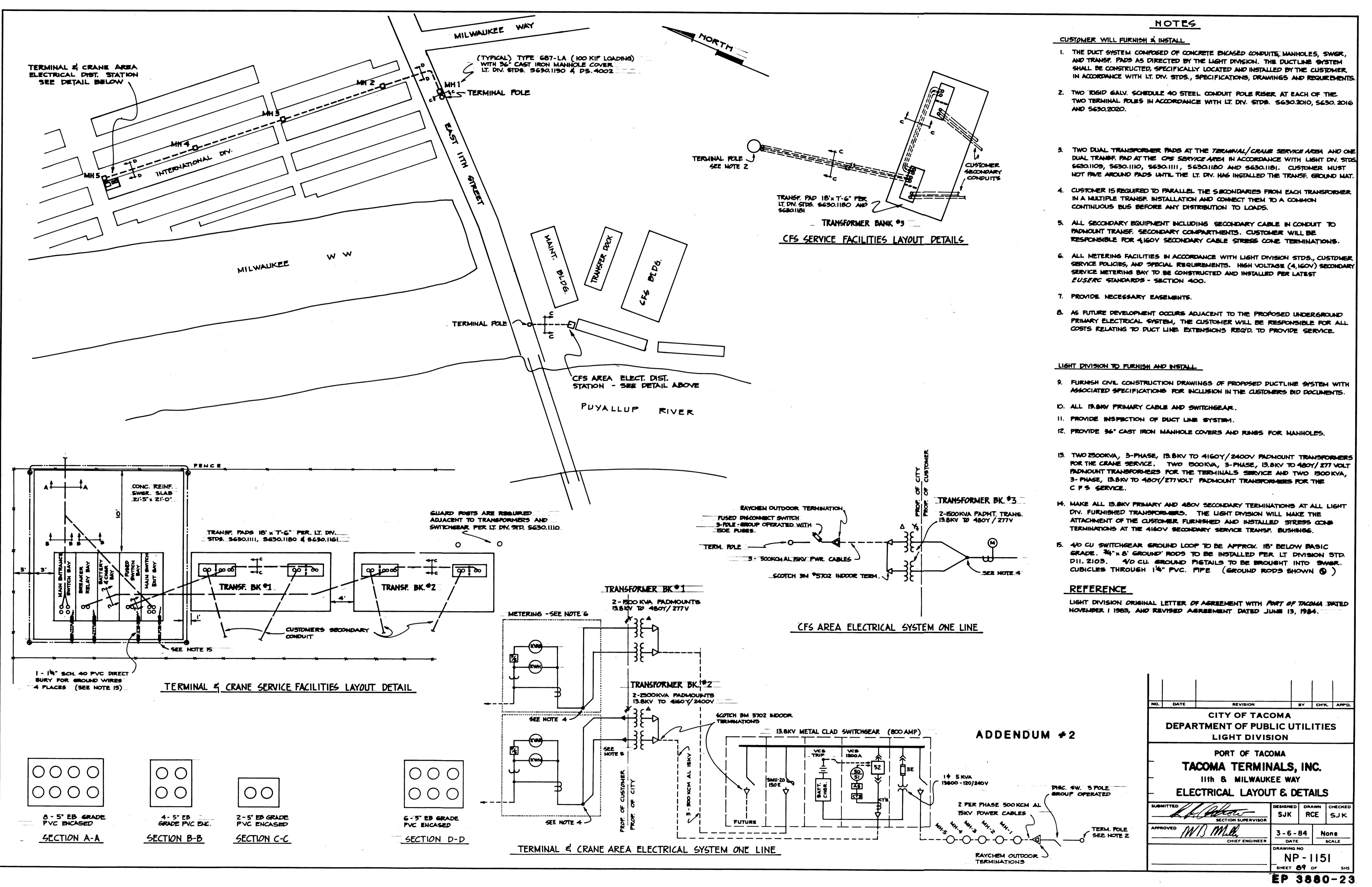
Whitacre Engineers, Inc.

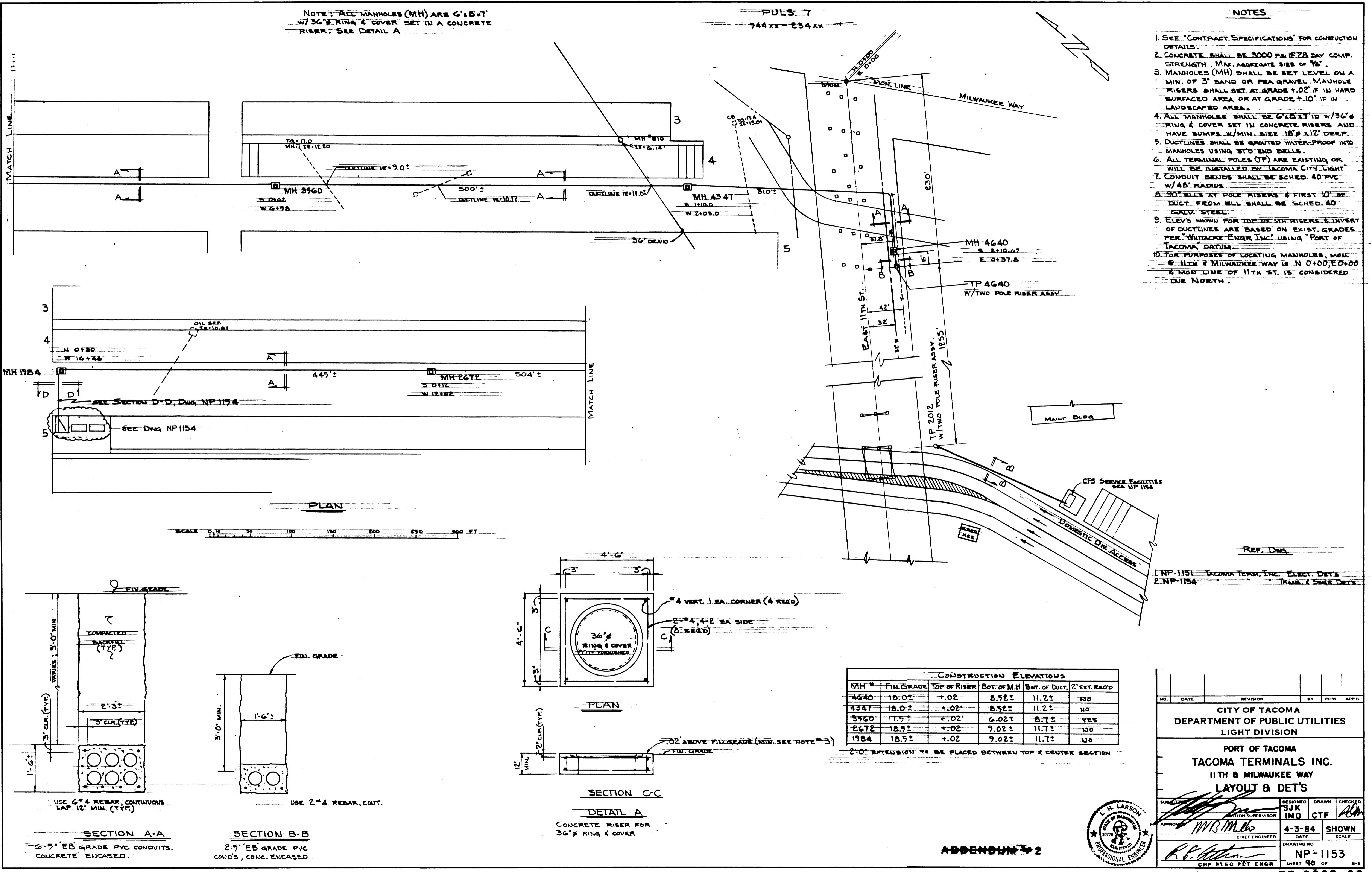
Consulting Engineering & Land Planning

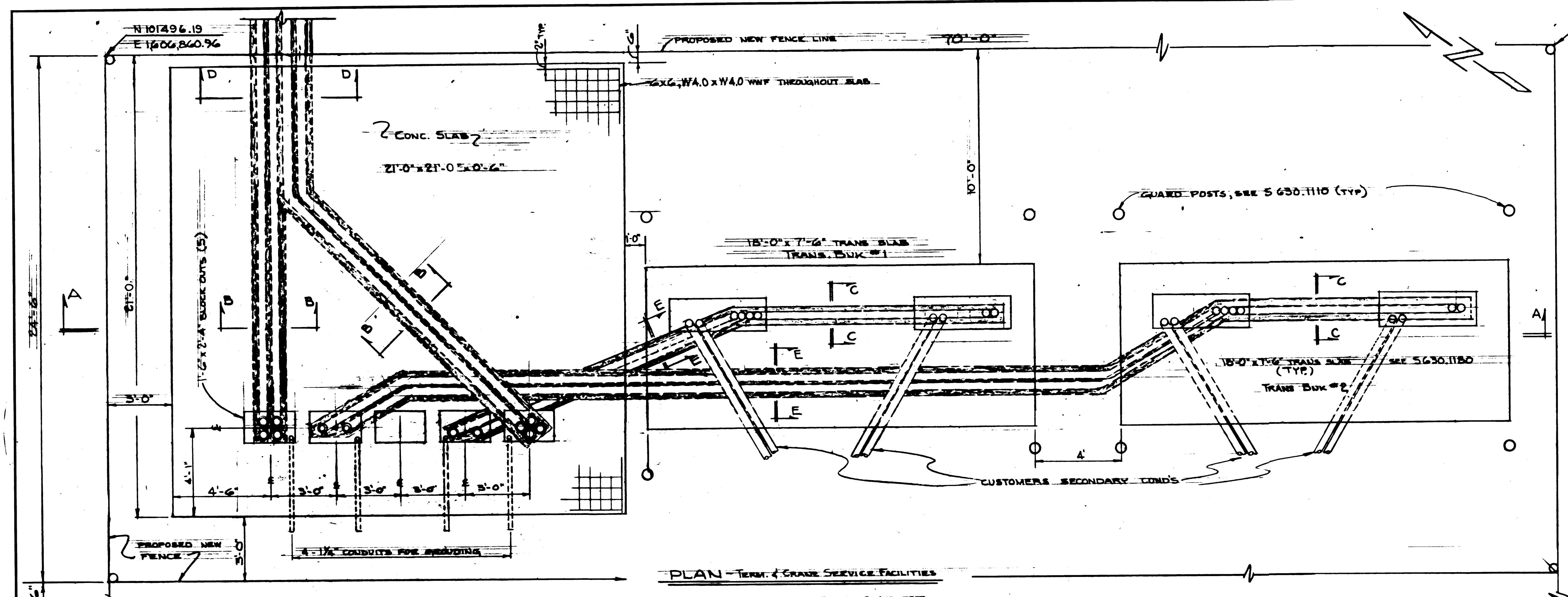
2124 SO. 'K' STREET P.O. BOX 5677

TACOMA, WASHINGTON 98455 (206) 272-5144

PORT OF TACOMA
TACOMA TERMINALS, INC.
EAST 11th STREET
VIADUCT MODIFICATIONS
DETAILS







N 101496.15 (SEE NOTE 4 TYP)
E 1606860.64

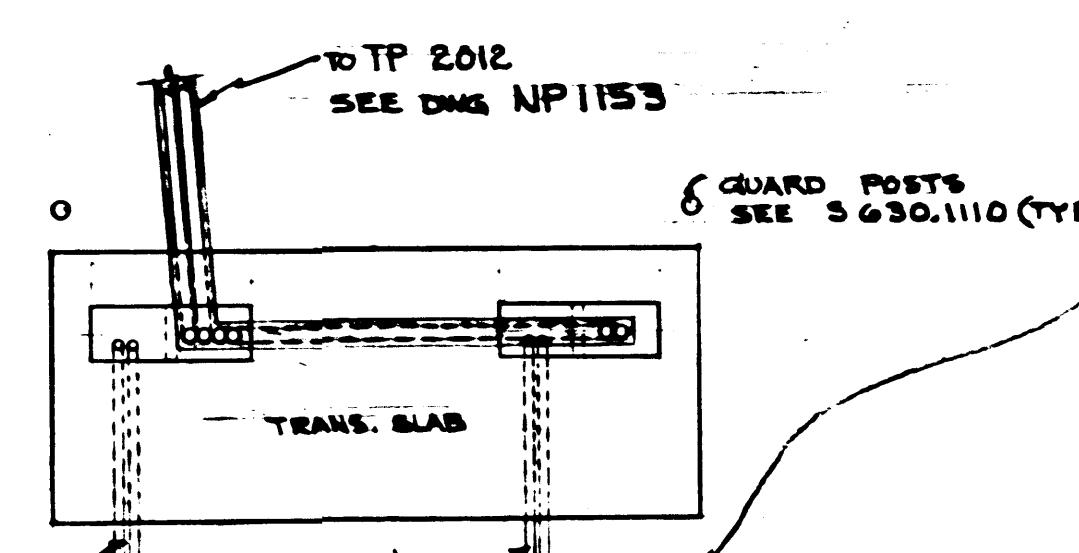
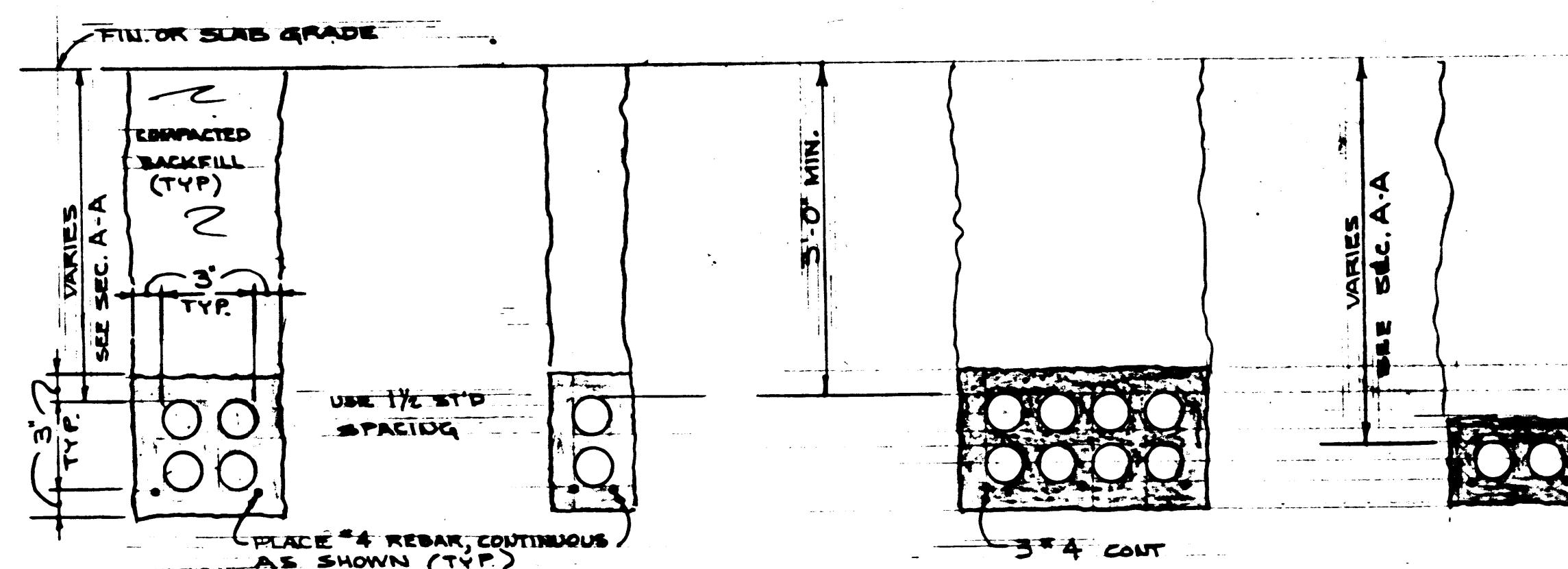
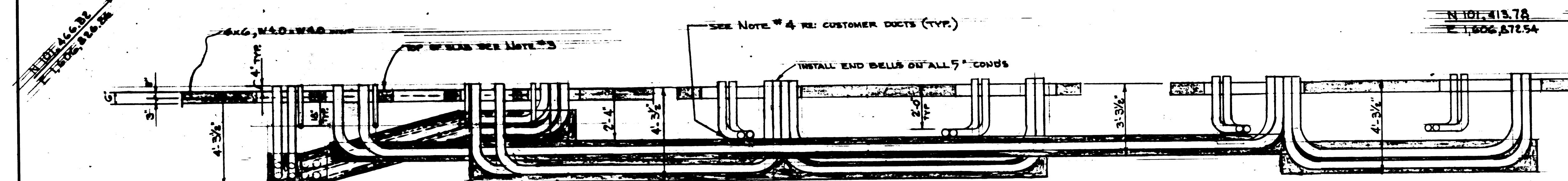
NOTES

- SEE "CONTRACT SPECIFICATIONS" FOR CONSTRUCTION DETAILS.
- CONCRETE SHALL BE 3000 PSI @ 28 DAYS COMP. STRENGTH. MAX. AGGREGATE SIZE OF $\frac{3}{8}$ ".
- TOP OF SLAB EQUAL TOP OF GRADE.
- PLACE $\frac{1}{2}$ " ASPHALT IMPREGNATED FIBER-BOARD BETWEEN CUSTOMER DUCTS AND CONCRETE ENCASMENT.
- SLOPE SWITCHGEAR SLAB 2% WEST TO EAST.
- COORDINATES SHOWN ARE BASED FROM WASHINGTON STATE GRID SYSTEM, NORTH ZONE. STAKING SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.
- DO NOT PAVE AROUND SWG/TRANS. SLABS UNTIL TCI HAS INSTALLED AND LOGGED.

REF. DRAWINGS

- NP-1153 TACOMA TERMINALS INC. PLAN & DET'S
- 2-3630.1180 LIGHT DW. STD. TRANS. SLAB DET'S
- 3-3630.1181
- 4-3630.1110

GUARD POSTS

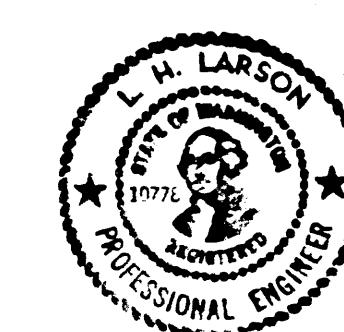


PLAN CFS SERV. FACILITIES
NTS

NOTE: DETAILS SIMILAR TO TERM. & CRANE SERVICE FACILITIES TRANS. SLAB & CONDUITS

ADDENDUM #2

NO.	DATE	REVISION	BY	CHK.	APP'D.
CITY OF TACOMA DEPARTMENT OF PUBLIC UTILITIES LIGHT DIVISION					
PORT OF TACOMA TACOMA TERMINALS, INC. MISC. SLABS LAYOUT & DET'S					
SUBMITTED	DESIGNED	DRAWN	CHECKED		
L. A. LARSON SECTION SUPERVISOR	SJK	I MO	CTF		
APPROVED	4-3-84	SHOWN	DATE		
J.W. Miller CHIEF ENGINEER	4-3-84	SCALE			
DRAWING NO. NP-1154					
CHF ELEC DIST ENGR.					
SHEET 91 OF SHS					



NOTE: ALL DUCTS SHOWN ARE SCHED 40 PVC, 5". CONCRETE COVER & SPACING ARE TYPICAL.

LEGEND

NOTES:
 1. SEE C301, C401 & F101 FOR ADDITIONAL SITE
 DRAWING LEGENDS.
 2. SEE C201 FOR LEGEND OF EXISTING FEATURES.

SECTOR MATCH LINE

CONTAINER PARKING AREA w/
CONCRETE BACKING LOGS &
DOLLY STRIP

LIGHT POLE

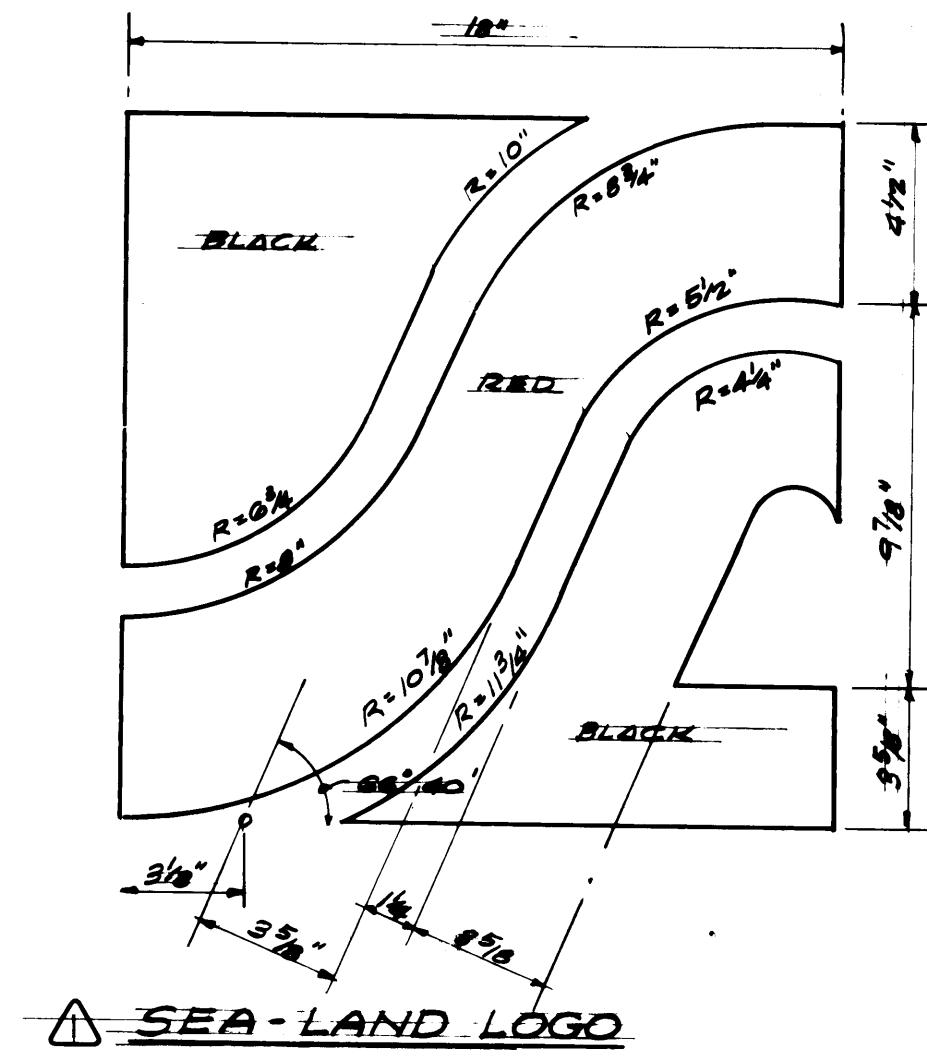
FIRE HYDRANT

ROW SIGN POLE

REEFER RECEPTACLE

HORIZONTAL COORDINATE

CURVE DATA CALLOUT

SIGNAGE, PAVING OR STRIPING
CALLOUT

SIGNAGE SCHEDULE

Sign	Message	M.U.T.C.D. Standard	Size	Color	Type of Mounting (unless otherwise indicated)
------	---------	---------------------	------	-------	--

R-1 STOP R1-1 24"x24" White on Red Post

R-1A STOP N.A. 24"x24" White on Red Post
THIS LANE

R-2 SPEED LIMIT 20 R2-1 24"x30" Black on White Post

R-3 NO RIGHT TURN R3-1 24"x24" Red, Black on White Post

R-4 KEEP LEFT R4-8 24"x30" Black on White Post

R-5 KEEP RIGHT R4-7 24"x30" Black on White Post

W-1 TRAFFIC TURNS RIGHT W1-6 48"x24" Black on Yellow Fence

W-2 TRAFFIC TURNS LEFT W1-6 48"x24" Black on Yellow Fence

W-3 PAVEMENT ENDS W8-3 30"x30" Black on Yellow Post

D-1 ← EXIT N.A. 18"x18" White on Green Fence

ID-1 AUTO SHIPPING KEEP LEFT N.A. 48"x18" White on Green Post

ID-2 See Detail N.A. 120"x62" See Detail Over head-Cantilever Mount

ID-7 EMPLOYEE & VISITOR PARKING N.A. 48"x18" White on Green Post

ID-8 VISITOR PARKING N.A. 24"x30" White on Green Post

DD-1 DOMESTIC GATE N.A. 48"x12" White on Green Post

DD-2 See Detail N.A. 110"x62" See Detail Overhead-Cantilever Mount

DD-3 SCALE BYPASS KEEP RIGHT N.A. 36"x24" White on Green Post

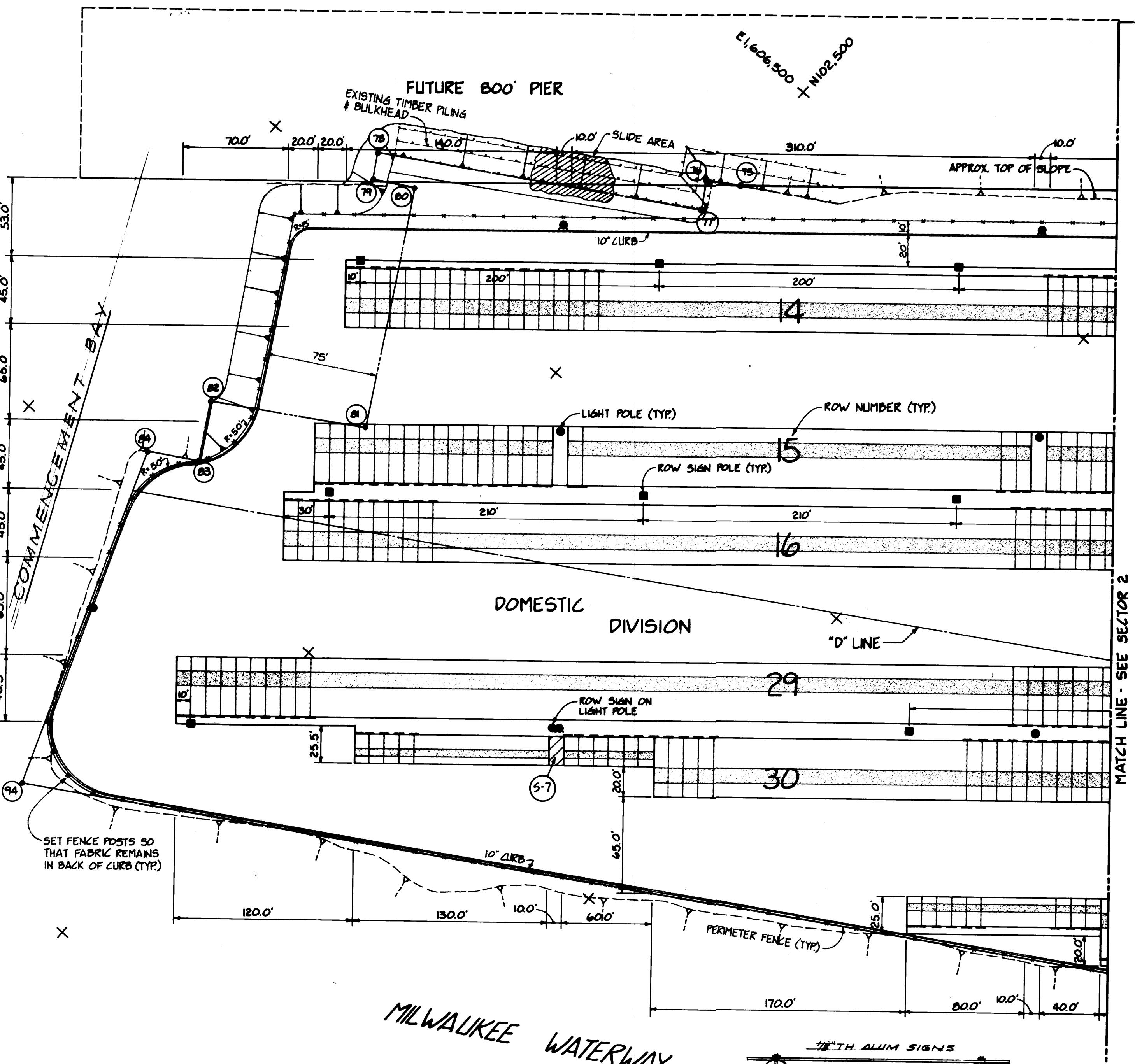
Note: Signs and pavement markings shall conform to the details of the "Manual of Uniform Traffic Control Devices for Streets and Highways", U.S. Department of Transportation, Federal Highway Administration, dated 1978.

PAVEMENT MARKING SCHEDULE

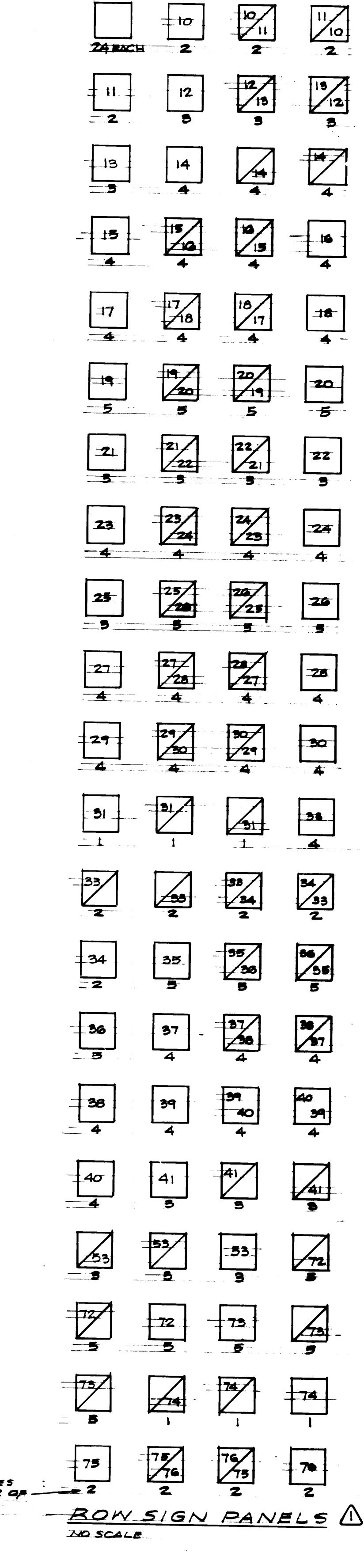
Pavement Marking	Message	Minimum Size	Color
P-1	STOP*	6.0' (Writing) 2.0' (Stop Bar)	White
P-2	EXIT	6.0'	White
P-3	(Hold Line)**	2.0'	White
P-4		9.5'	White
P-5; P-5R		8.0'	White
P-6	SPEED BUMP	6.0'	Yellow
P-7	1 2 3 4 (Scale Lane Marking)	6.0'	White

* 24" Wide Stop Bars, the full width of the stopping lane, shall be placed in the locations shown. Maintain 36 inch separation between stop bar and stop message.

** "Hold Line" is similar to 24" Wide Stop Bar.

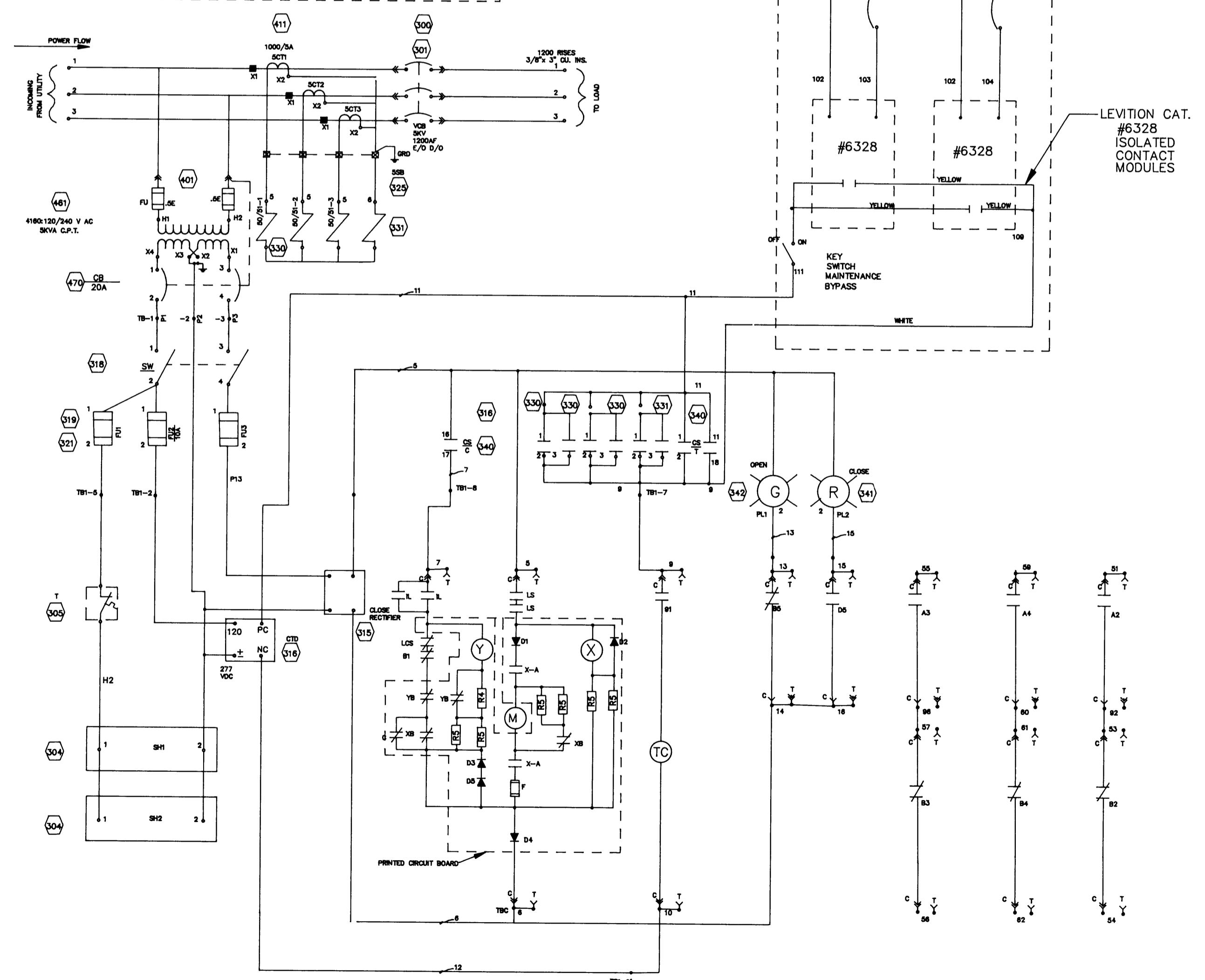
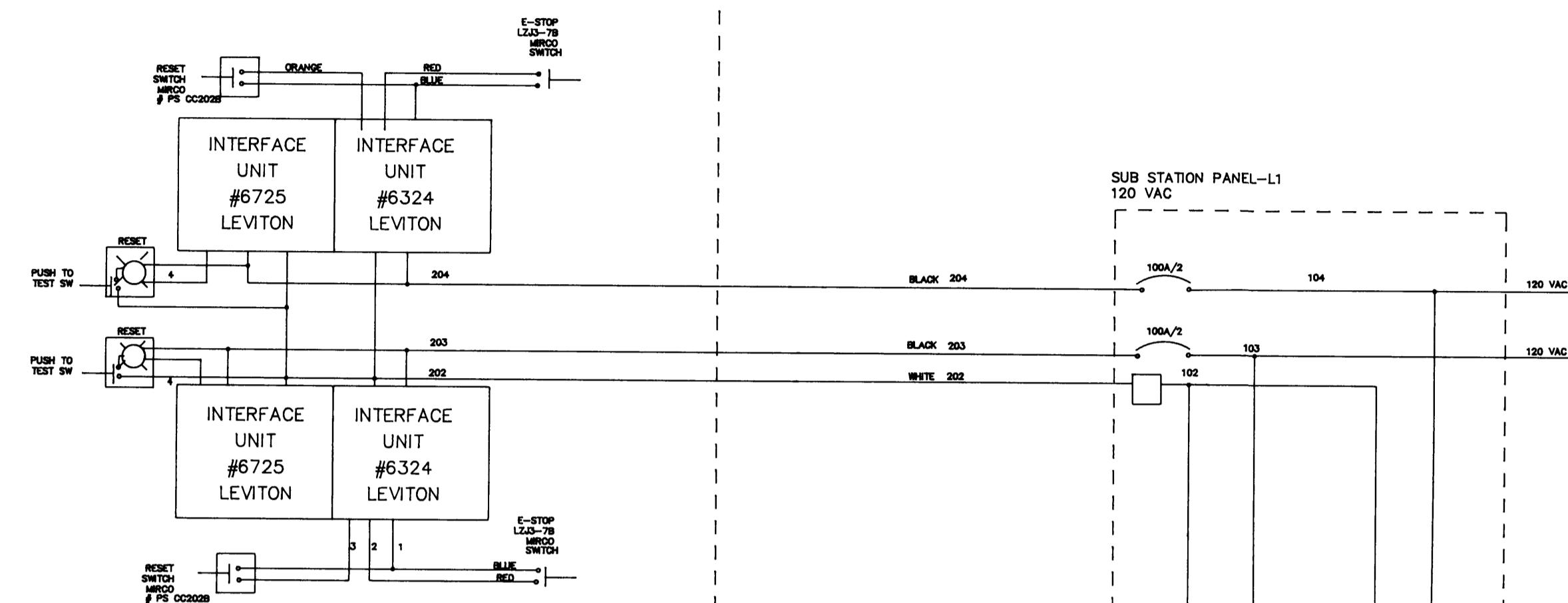


MATCH LINE - SEE SECTOR 2

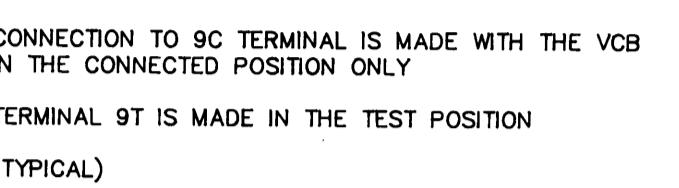


WIRE # 1,2,3 & 4 WILL HAVE
THE BENT # IN FRONT.
251 451 601 801 1001 1151 1351 1501
252 452 602 802 1002 1152 1352 1502
253 453 603 803 1003 1153 1353 1503
254 454 604 804 1004 1154 1354 1504

LOCATED IN PIER BULLRAIL
8 UNITS.



SYMBOL	DESCRIPTION
Y	AUXILIARY RELAY COIL
Y-B	RELAY CONTACTS (NO)
X	CONTROL RELAY COIL
X-A	X RELAY CONTACTS (NC)
X-B	X RELAY CONTACTS (NO)
CC	CLOSING COIL
TC	TIME DELAY
A	AUXILIARY CONTACTS (NO)
B	AUXILIARY CONTACTS (NC)
M	CHARGING MOTOR
LS	LIMIT SWITCHES
D1-D5	DIODES
R1-R4	RESISTORS
L	INDUCTOR SWITCH
C	CAPACITOR
LCS	LATCH CHECKING SWITCH
R	RED SIGNAL LAMP
G	GREEN SIGNAL LAMP
CS	CONTROL SWITCH
PR	PROTECTIVE RELAY



CONNECTION TO 9C TERMINAL IS MADE WITH THE VCB
IN THE CONNECTED POSITION ONLY
TERMINAL 9T IS MADE IN THE TEST POSITION
(TYPICAL)

LOCATION OF THE SECIONARY DISCONNECT CONTACTS
ON THE TOP FRONT OF THE VCB

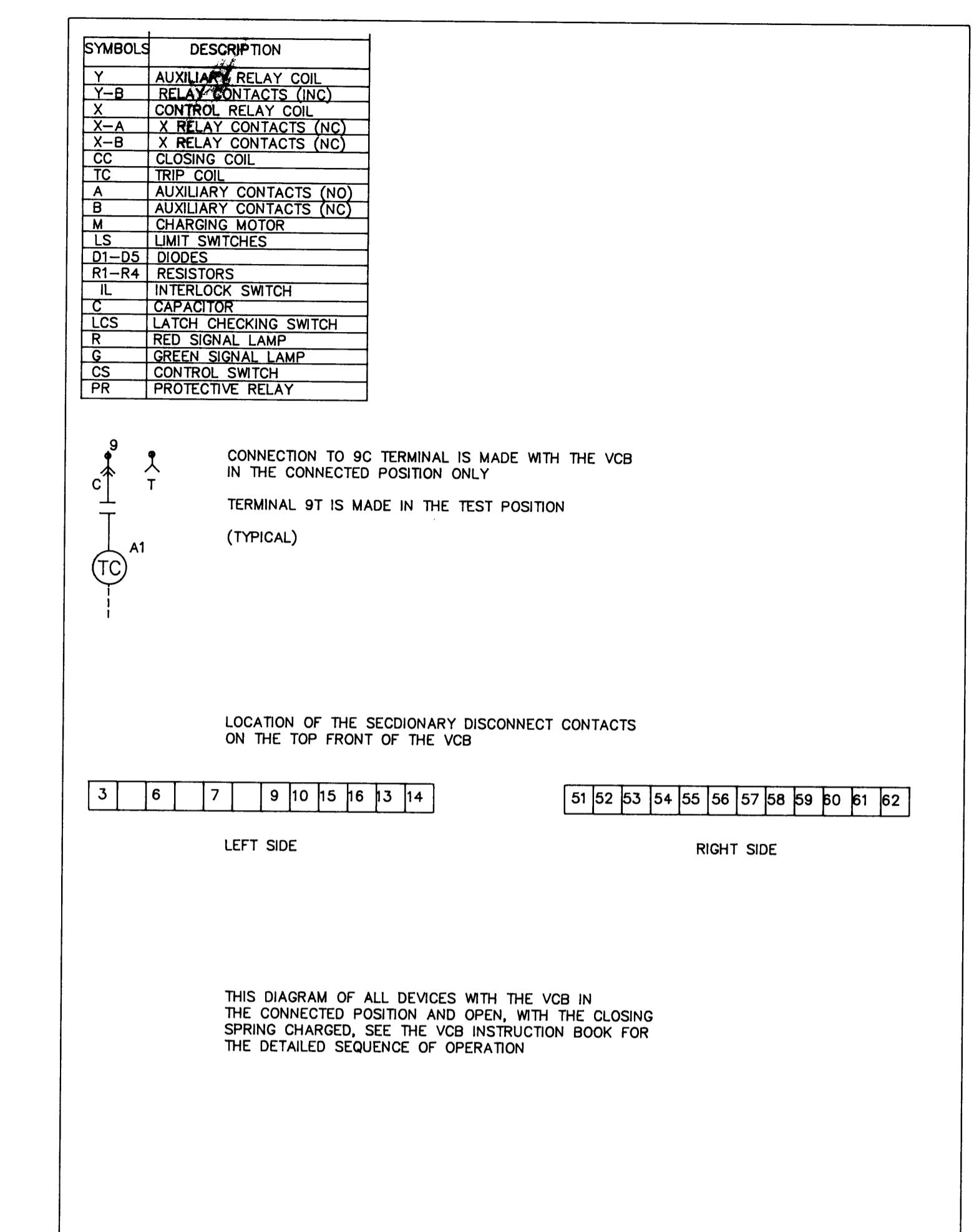
3 6 7 9 10 15 16 13 14

LEFT SIDE

51 52 53 54 55 56 57 58 59 60 61 62

RIGHT SIDE

THIS DIAGRAM OF ALL DEVICES WITH THE VCB IN
THE CONNECTED POSITION AND OPEN, WITH THE CLOSING
SPRING CHARGED, SEE THE VCB INSTRUCTION BOOK FOR
THE DETAILED SEQUENCE OF OPERATION



PORT OF TACOMA
P.O. BOX 1837 TACOMA, WASHINGTON 98401
(206) 383-5841

CONSULTANTS

SEAL

APPROVED

D.W
DRAWN BY 4/13/88
DATE

CHECKED BY DATE

CHIEF ENGINEER

DATE

AS-BUILT BY DATE

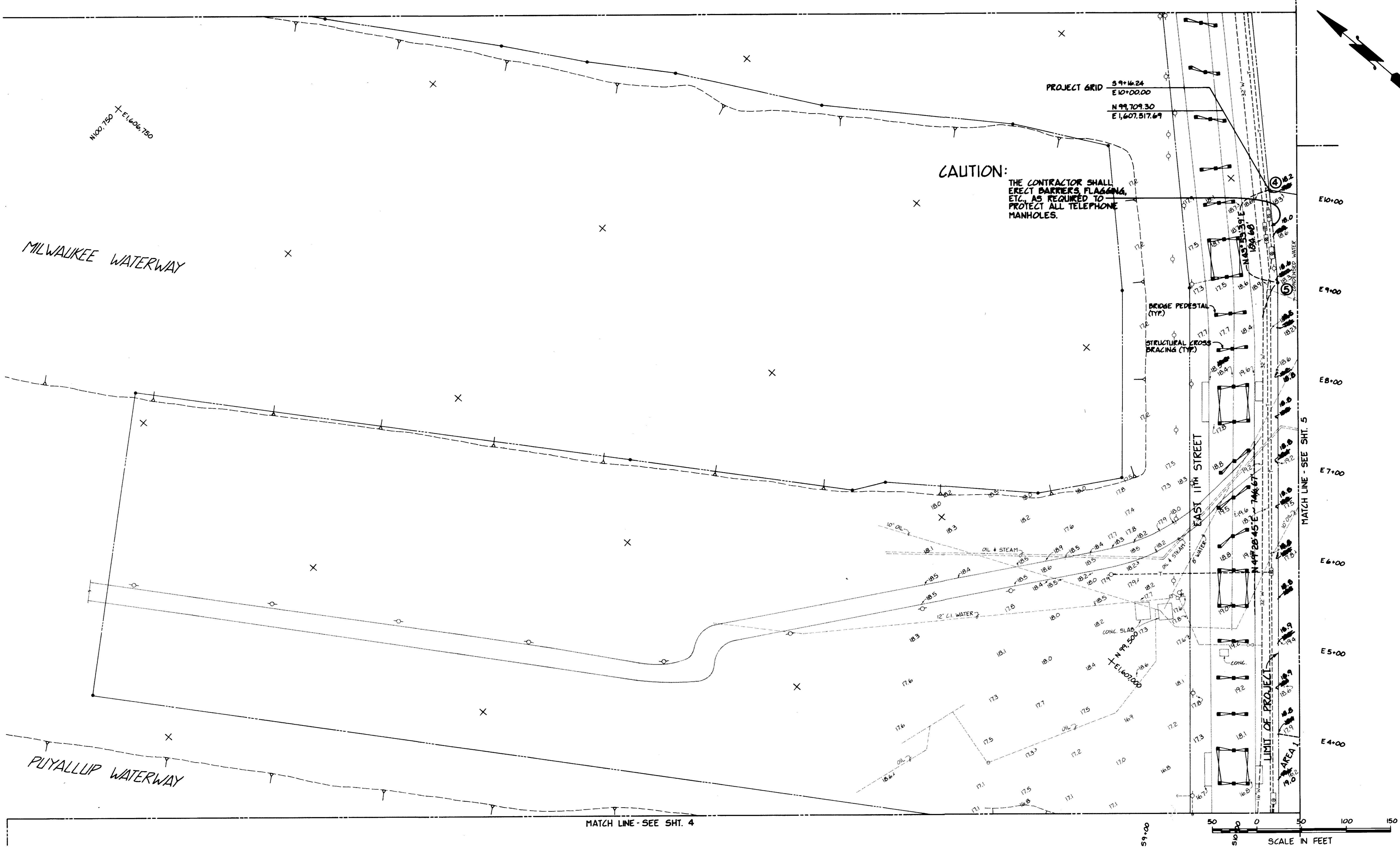
PROJ.ENGR. DATE

MARK REVISION

BY APP. DATE

SCHEMATIC DIAGRAM FOR
4160 VOLT MAIN SWITCH FOR
SEALAND CRANES

DRAWING No. EP-3880-23
CONTRACT No.
SHEET No. 58A OF 88



REFERENCE DRAWING EP-3880-23 SHEET REFC1

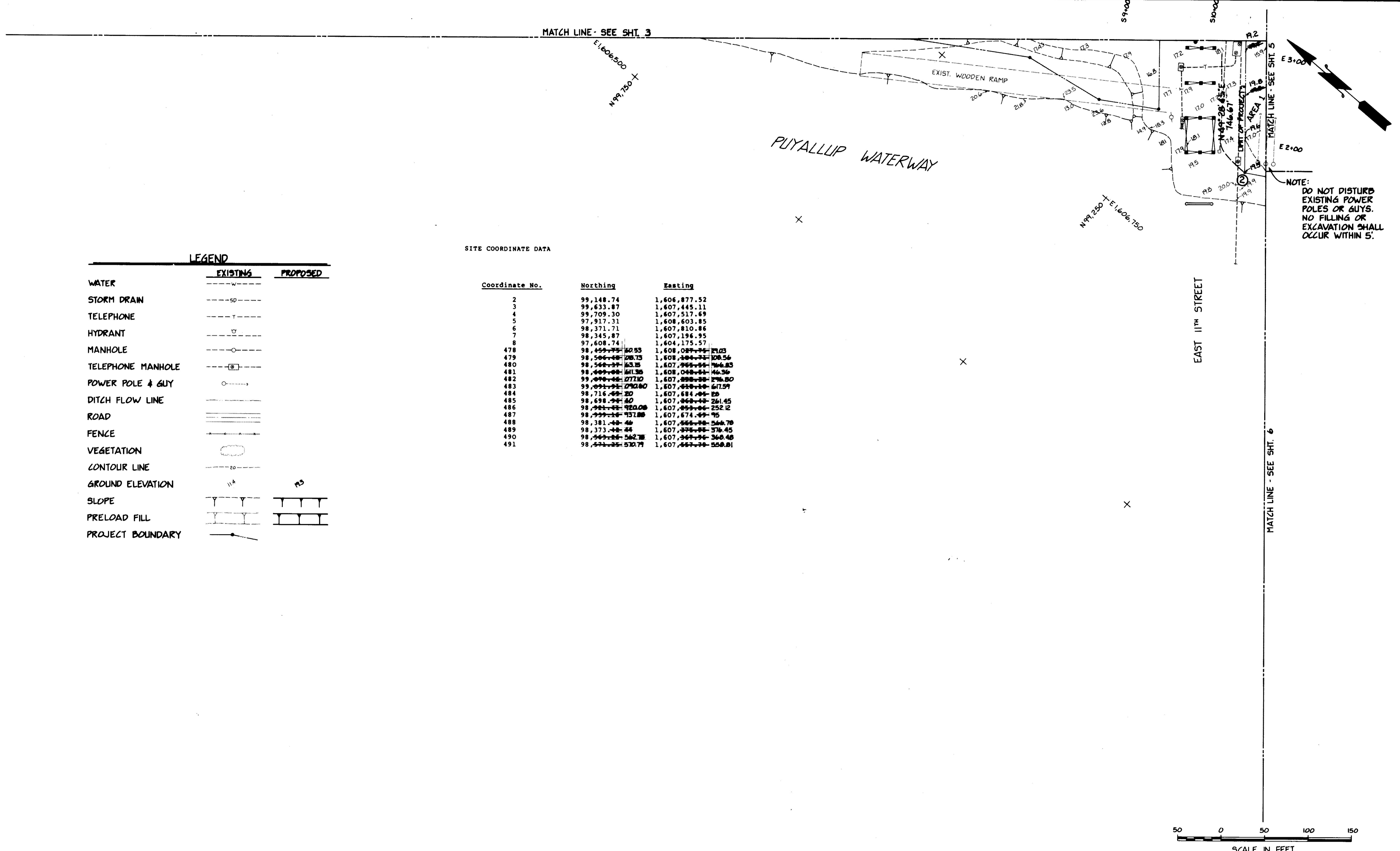
ISSUED FOR CONSTRUCTION 4/5/84



Whitacre Engineers, Inc.
Consulting Engineering & Land Planning
2124 SO. 'K' STREET P.O. BOX 5677
TACOMA, WASHINGTON 98405 (206) 272-5144



RHT		PORT OF TACOMA		
DRAWN	DATE	12-27-83		
CHECKED	DATE	J.J.P. 12-27-83		
CHECKED	DATE	12-27-83		
CONT. NO.	560			
FIELD BOOK (S)		SCALE		
APPROVED		NOTED		
12/29/83		DRAWING NO.		
RECEIVED		EP-3880-23-C1		
RECORDED		DATE 12/29/83		
INDEXED		PAGE 3 OF 9		



REFERENCE DRAWING EP-3880-23 SHEET REF C2

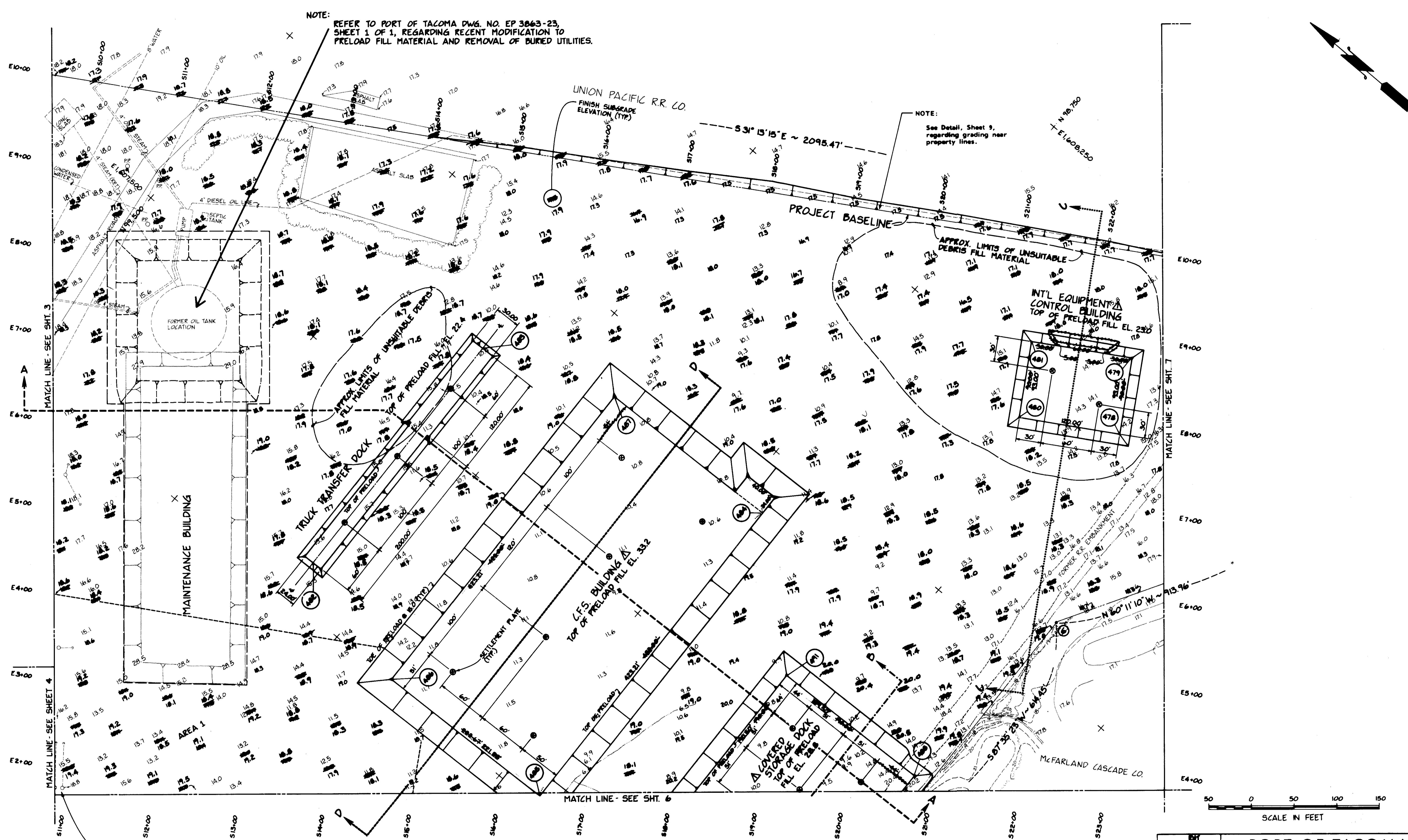
ISSUED FOR CONSTRUCTION 4/5/84



Whitacre Engineers, Inc.
Consulting Engineering & Land Planning
2124 SO. K STREET P.O. BOX 5677
TACOMA, WASHINGTON 98405 (206) 272-5144



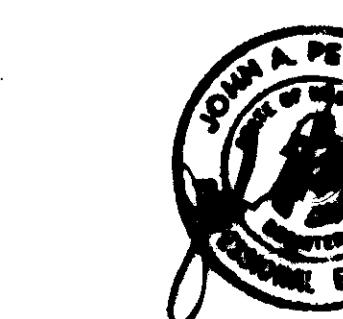
DRAWN <u>12-27-83</u>		PORT OF TACOMA	
CHECKED <u>J.P.</u>		TACOMA TERMINALS, INC.	
DATE <u>12-27-83</u>		C.F.S. AREA EARTHWORK	
CHECKED <u>J.P.</u>		PLAN	
DATE <u>12-27-83</u>			
CONT. NO. <u>550</u>			
FIELD BOOK (S)			
APPROVED	<u>John T. Taylor</u>		
DRAWING NO.	EP-3865-23-C2		
DATE	12/29/83		
MARK	ISSUE FOR CONSTRUCTION	4-5-84	
	REVISED GRADES; CHANGE COORDS.	4-5-84	
	BY APP. DATE		



OTE:
DO NOT DISTURB EXISTING POWER
POLES OR GUYS. NO FILLING OR
EXCAVATION SHALL OCCUR WITHIN 5'

REFERENCE DRAWING EP-3880-23 SHEET REFC3

ISSUED FOR CONSTRUCTION 4/5/04

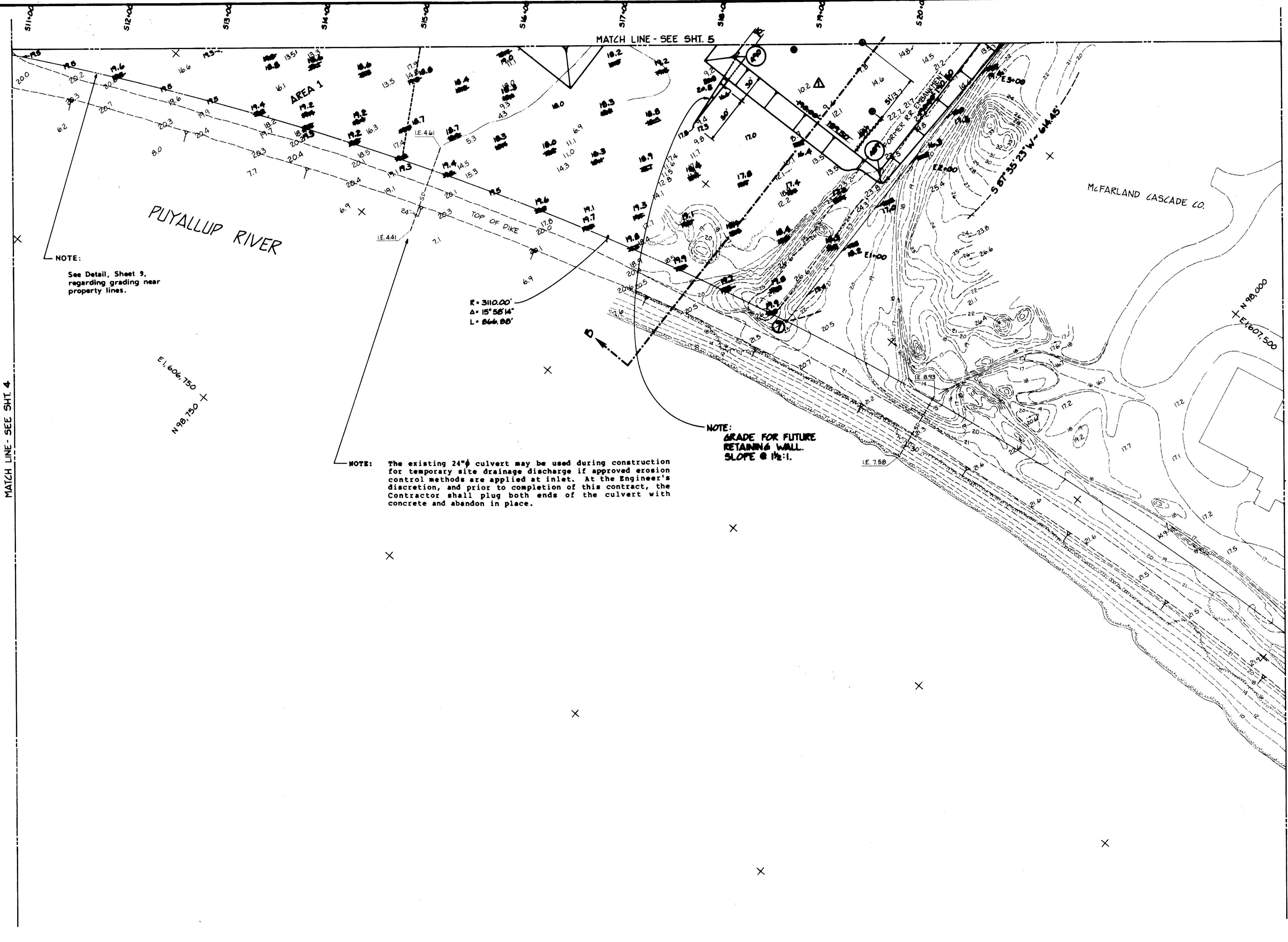


Whitacre Engineers, Inc.
Consulting Engineering & Land Planning
2124 SO. 'K' STREET P.O. BOX 5677
TACOMA, WASHINGTON 98405 (206) 272-5144

	ISSUE FOR CONSTRUCTION	41P		4-5-84	APPROVED		12/29/83	DRAWING NO.
AS	REVISED GRADES; PRELOAD DIM	41P		4-5-84			DATE	EP-3865-23-C3
MARK	REVISION	BY	APP.	DATE				SHEET 5 OF 9

PORT OF TACOMA
TACOMA TERMINALS, INC.
C.F.S. AREA EARTHWORK
PLAN

DRAWN	RAT
DATE	12-27-83
CHECKED	<u>J.T.P.</u>
DATE	17-27-83
CHECKED	<u>J.T.P.</u>
DATE	17-27-83



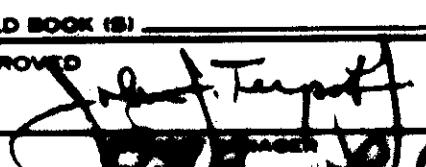
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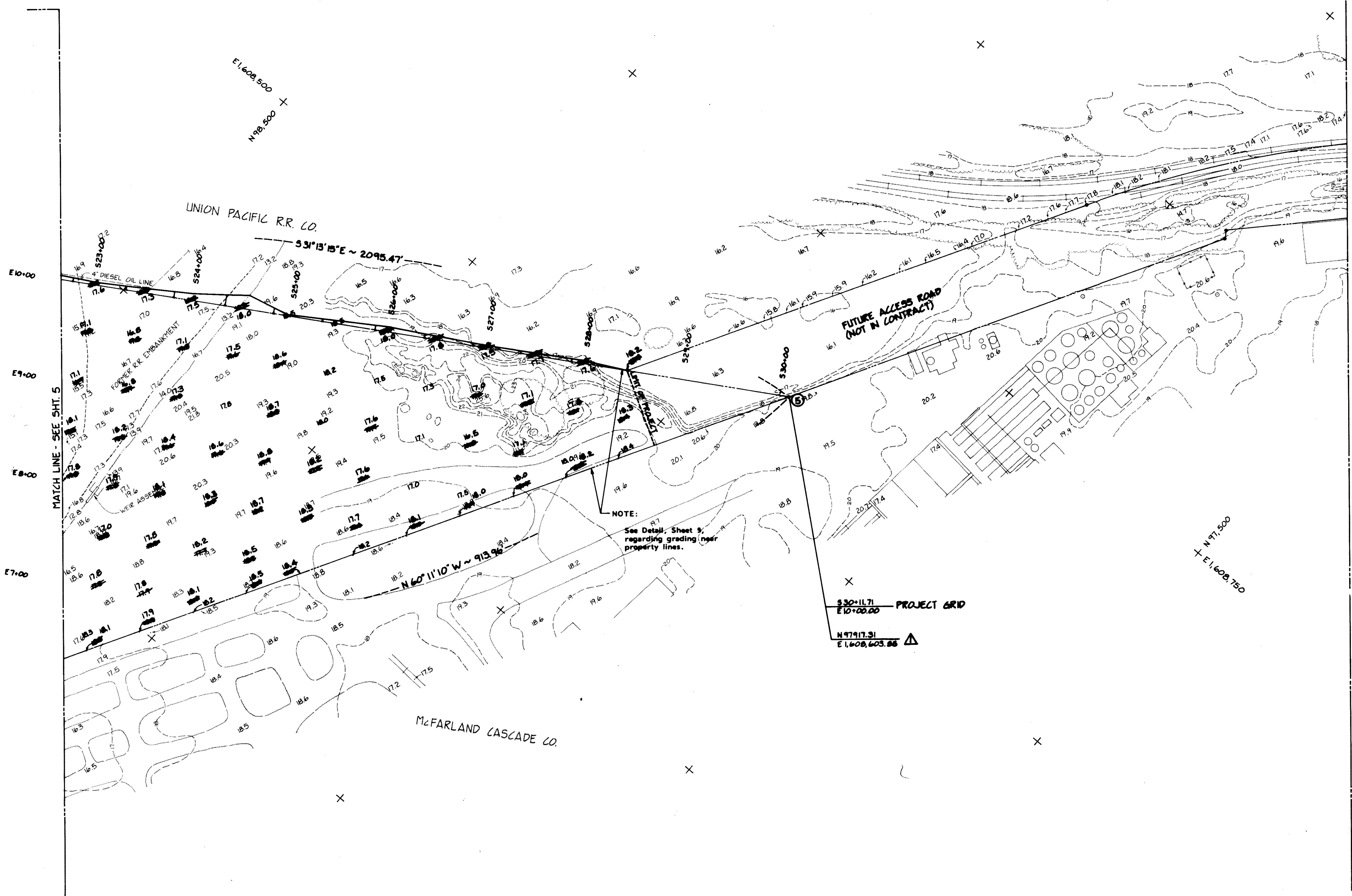
ISSUED FOR CONSTRUCTION 4/5/84

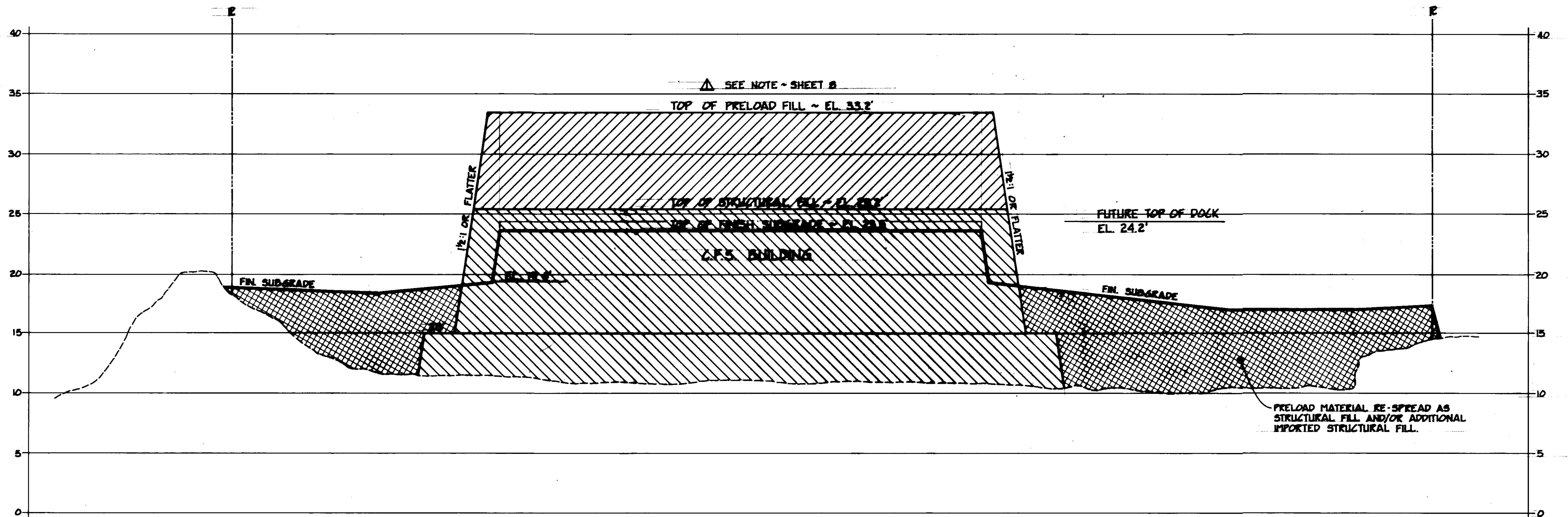


Whitacre Engineers, Inc.
Consulting Engineering & Land Planning
2124 SO. 'K' STREET P.O. BOX 5677
TACOMA, WASHINGTON 98465 (206) 272-5144

	ISSUE FOR CONSTRUCTION	J.T.P.	4-5-84	APPROVED John T. Tempf	12/29/83	DRAWING NO. EP-3865-23-C4
A	REVISED GRADES; FREELOAD DIM.	J.T.P.	4-5-84	REVISION 100	DATE 12/29/83	
MARK	REVISION	BY	APP.	DATE		SHEET 6 OF 9

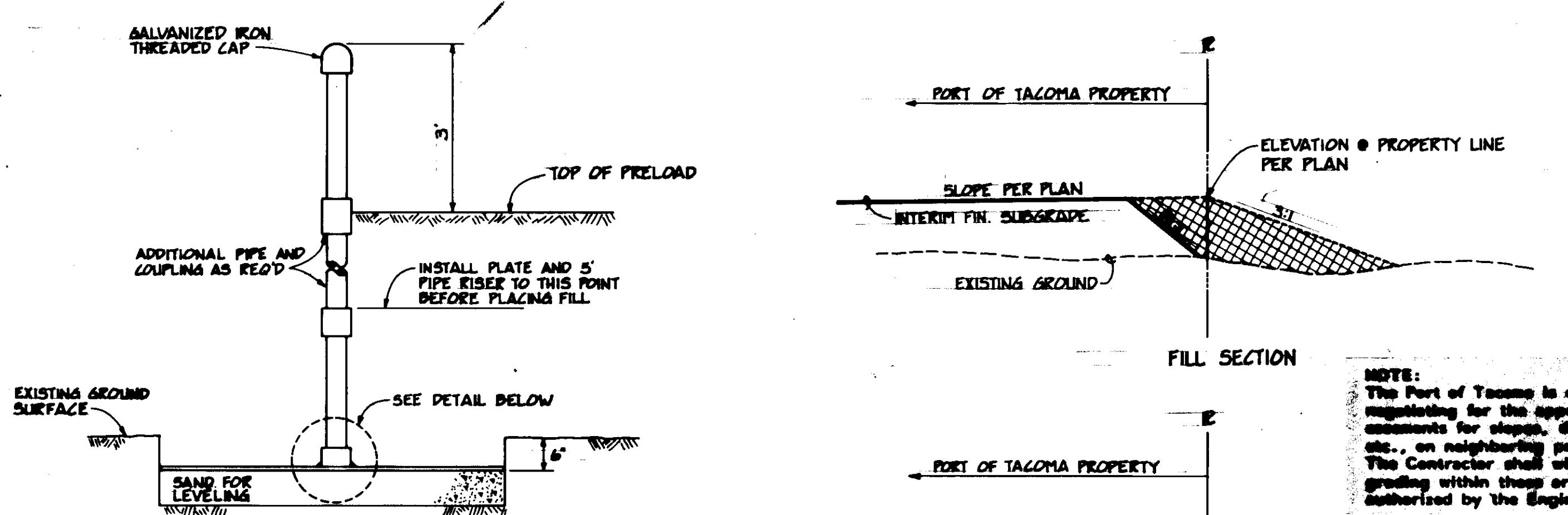
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CHECKED	J.T.P.		
DATE	12-27-03		
CONT. NO.	560		
FIELD BOOK (S)		SCALE	NOTED
APPROVED		DRAWING NO.	
		12/29/03	EP-3865-23-C4
		DATE	
		12/29/03	SHEET 6 OF 9



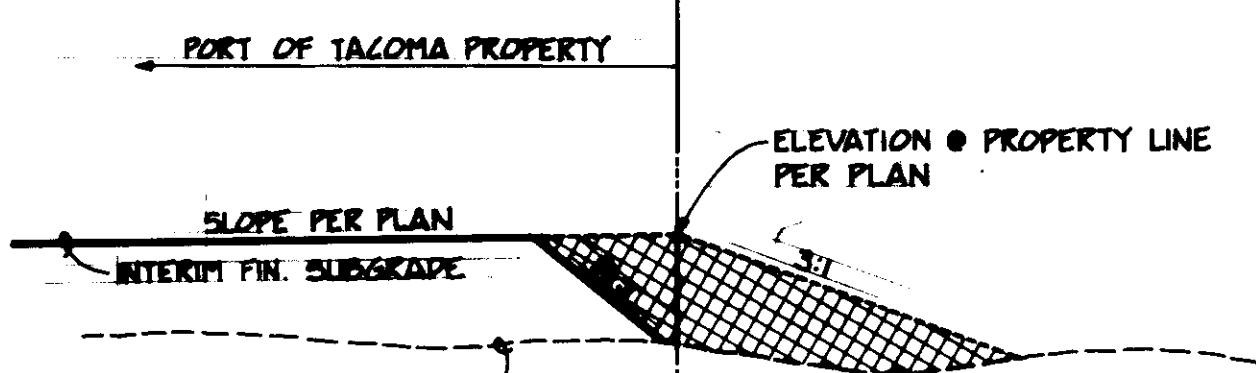
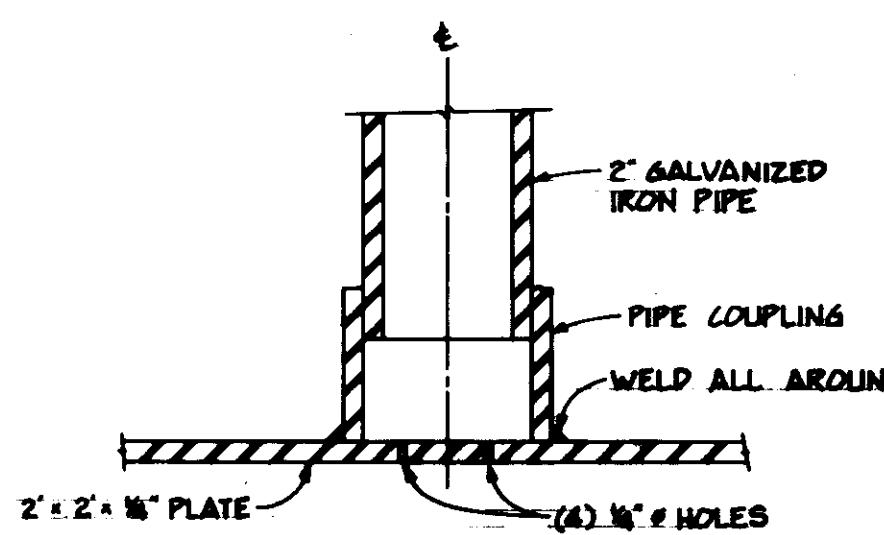


SECTION D-D

HORIZ. SCALE - 1'-0"
VERT. SCALE - 1'-0"

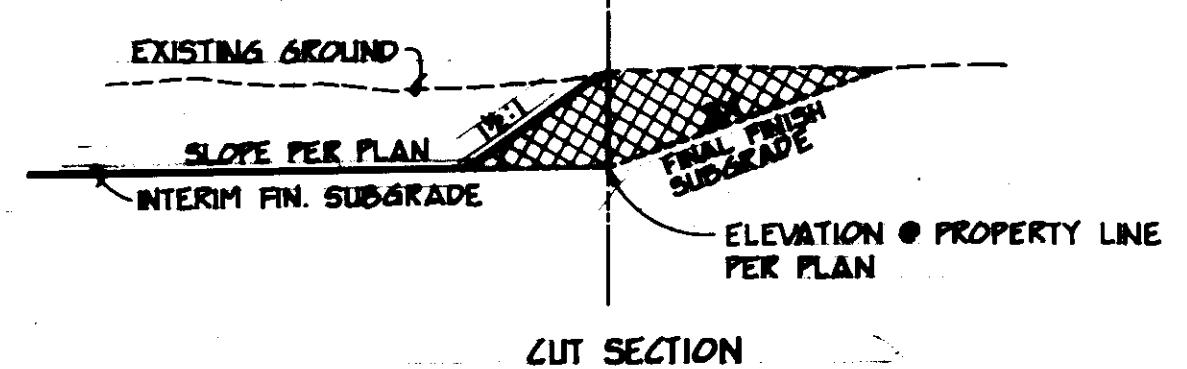


NOTE:
SETTLEMENT PLATES TO
BE PROVIDED BY CONTRACTOR.



FILL SECTION

NOTE:
The Port of Tacoma is expressly
negotiating for the appropriate
compensations for damages, disruptions,
etc., on neighboring properties.
The Contractor shall withhold
grading within these areas until
authorized by the Engineer.



CUT SECTION

DETAIL ~ INTERIM GRADING NEAR PROPERTY LINES



ISSUED FOR CONSTRUCTION 4/5/84

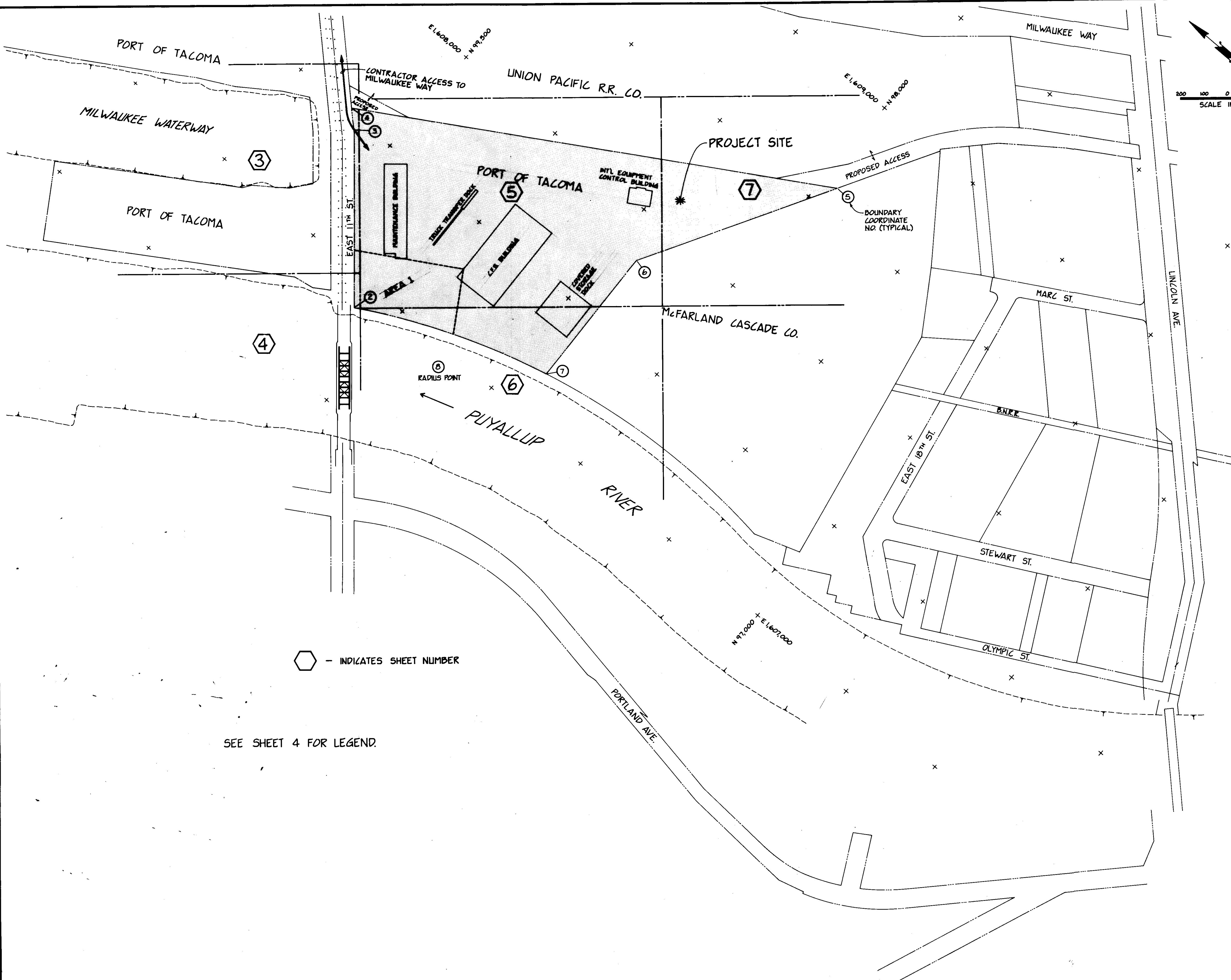
Whitacre Engineers, Inc.
Consulting Engineering & Land Planning
200 W. 7th Street, P.O. Box 600
Tucson, Arizona 85701 (602) 746-0100

ISSUE FOR CONSTRUCTION	REVISED GRADES	MARK	REVISION	BY APP. DATE
4-17-84	4-18-84			

DRAWN BY	R.H.
DATE	12-27-83
CHECKED BY	J.P.
DATE	12-27-83
CHECKED BY	J.P.
DATE	12-27-83
CONT. NO.	550
FIELD BOOK NO.	
SCALE	NOTED
DRAWING NO.	EP-3880-23-C7

SETTLEMENT PLATE INSTALLATION

N.T.S.



ISSUED FOR CONSTRUCTION 4/5/84



Whitacre Engineers, Inc.
Consulting Engineering & Land Planning
2024 SO. "K" STREET, P.O. BOX 8677
TACOMA, WASHINGTON 98445 206 272-2844

ISSUE FOR CONSTRUCTION		110	10	4-5-84
MARK	REVISION	BY APP.	DATE	

DRAWN BY	R.H.
DATE	12-27-83
CHECKED BY	J.P.
DATE	12-27-83
CHECKED BY	J.P.
DATE	12-27-83
CONT. NO.	550
FIELD BOOK IS	NOTED
APPROVED	John J. Tangen
MANAGED BY	John J. Tangen
DATE	12/29/83
DRAWING NO.	EP-3865-23-61
SCALE	NOTED
REVISION	2
DATE	12/29/83
SHEET	2 OF 9