

ALABAMA STATE DOCKS DEPARTMENT
MOBILE, ALABAMA

PIER "B" SOUTH

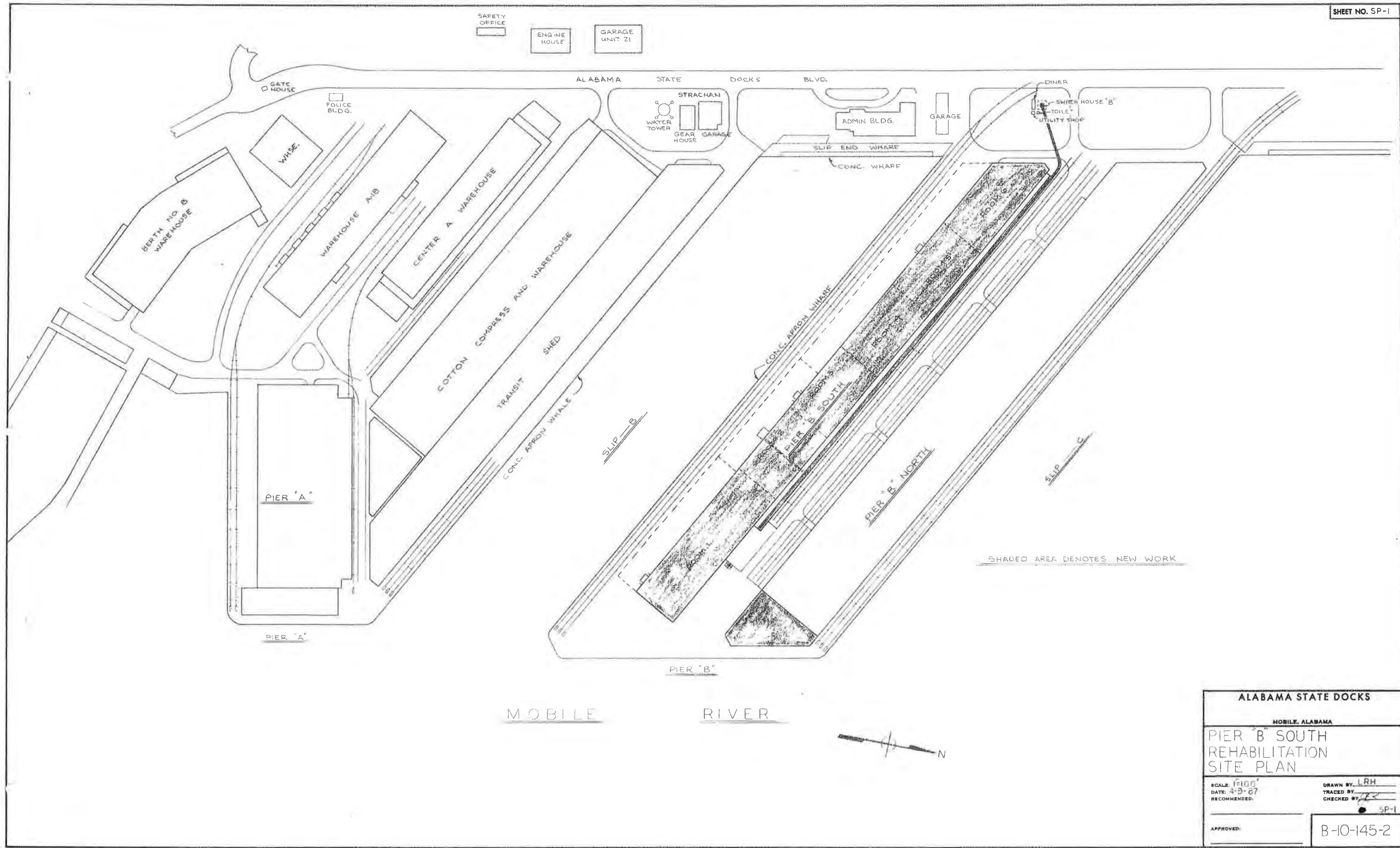
WAREHOUSE REHABILITATION
PILE SUPPORTED RELIEVING PLATFORM

A.F.E. NO. 1571

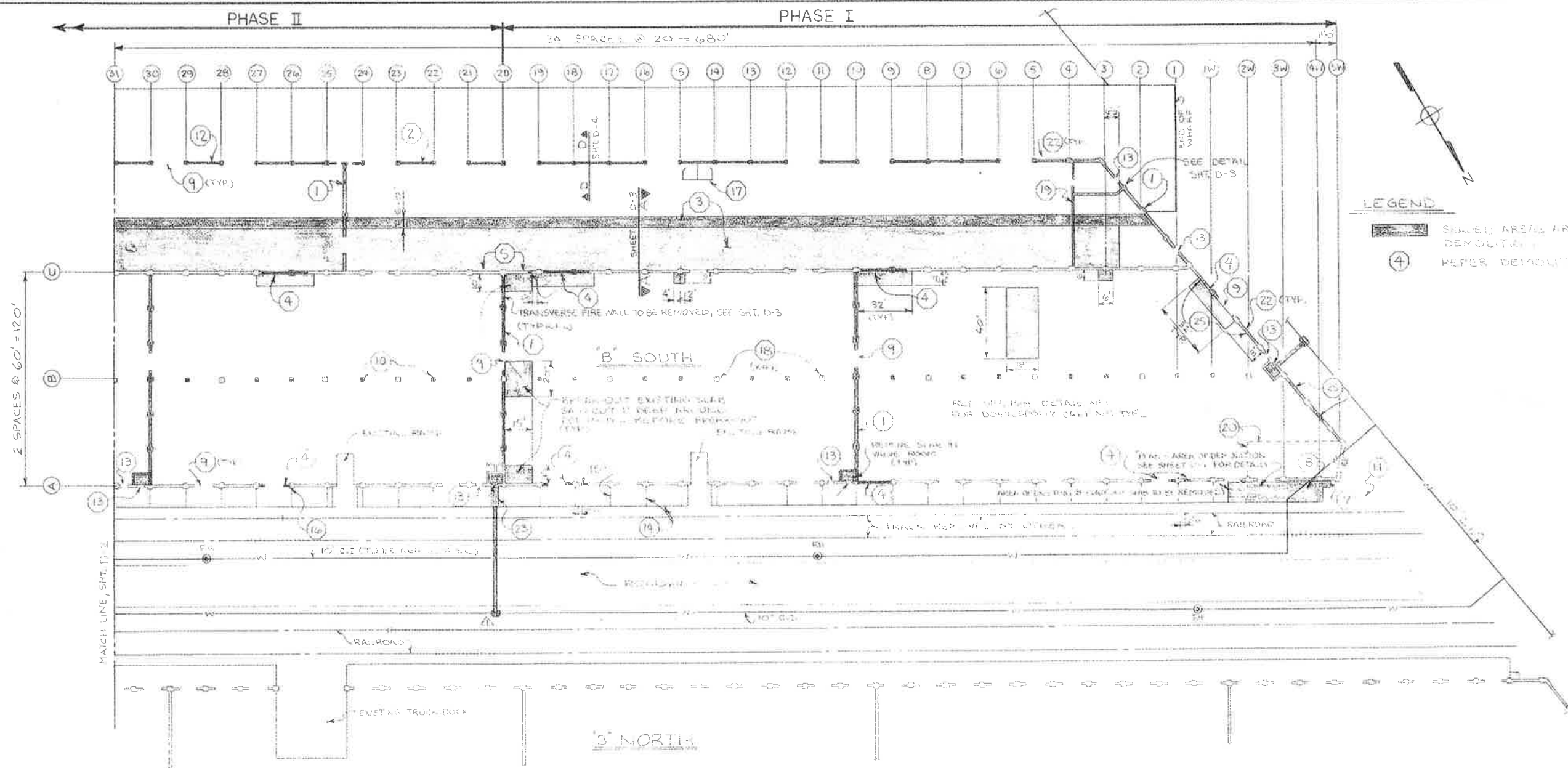
ASD SPEC. NO. 518

SEPTEMBER 1987

GUY HUNT, GOVERNOR
JOHN B. DUTTON, DIRECTOR



ALABAMA STATE DOCKS	
MOBILE, ALABAMA	
PIER B SOUTH REHABILITATION SITE PLAN	
SCALE: 1"=100' DATE: 4-9-87 RECOMMENDED:	DRAWN BY: LRH TRACED BY: CHECKED BY:
APPROVED:	SP-1
	B-10-145-2



LEGEND

HATCHED AREAS ARE SCHEDULED FOR DEMOLITION

REFER DEMOLITION SCHEDULE

PARTIAL LAYOUT AND DEMOLITION PIER B SOUTH
SCALE: 1" = 30'

DEMOLITION SCHEDULE

- 1 BREAK OUT AND REMOVE 2" THK REINFC CONC. FIRE WALL AND PARTIALLY REMOVED CONC. WALLS AT MIDSPAN TERMINAL DATE.
- 2 BREAK OUT AND REMOVE 8" THK REINFC CONC. (SOUTH WALL AND WALKWAY WALL) WASTE THIS CONCRETE AT MIDSPAN TERMINAL DATE.
- 3 BREAK OUT AND REMOVE 5" THK CONC. FLOOR SLAB AS INDICATED ON SHT. D-3. CUT FOR 18" W SECTION. SEE SHT. D-3. WASTE AT MIDSPAN TERMINAL DATE. SEE SHEET D-3 FOR ALTERNATE SCHEDULE.
- 4 CUT OUT DOWN OPENING AND WASTE CONCRETE AT MIDSPAN TERMINAL DATE. SEE DETAIL D-4.
- 5 REMOVE OVERHEAD EXISTING BEAM FOR 2" WALL AND STEPS PER FOR LATER USE.
- 6 REMOVE BEAM SECTION IN-D-BY-W. WITH ALL THE REMAINING CONCR. UNDER DOCK OPENING PER SHT. D-4 UNTIL DATE 2-C.
- 7 BREAK OUT AND REMOVE CONC. STEPS.
- 8 BREAK OUT AND REMOVE CONC. DOCK PLATFORM SLAB AND WALLS AND WASTE. SEE SHT. D-4 FOR DETAILS. WASTE CONCR. AT MIDSPAN TERMINAL DATE.
- 9 REMOVE METAL ROLLUP DOORS AND STORE WITH ASD MAINTENANCE DEPT.
- 10 BREAK OUT CONCRETE REINFC TO 3" BELOW EXISTING SLAB. SEE SHT. D-3 FOR LOCATION. PATCH CUT-OFF PORTION OF REINFC. W/ 300# FS. CONCRETE.

- 11 BREAK OUT AND REMOVE ROADWAY RAILING AS INDICATED. SEE SHT. D-3 FOR DETAILS. WASTE AT MIDSPAN TERMINAL DATE.
- 12 REMOVE AND WASTE CORRUGATED METAL SIDING.
- 13 REMOVE PERSONNEL DOORS & FRAMES AND STORE IN AREA FOR REPAIR AND REUSE. CONTRACTOR SHALL REMOVE EXIST. ARMOR ANGLE AT JOINTS & DOORS. CONTRACTOR SHALL CUT ALL EMBEDMENTS FROM ANGLES.
- 14 REMOVE LOOSE CONCRETE & ARMOR ANGLE TYPICAL AT ALL DOCK EXPANSION JOINTS (JOINTS @ 20'C/C) ACC. TO SHT. D-12.
- 15 ON PILASTERS WHICH HAVE CONCRETE SPALLED APERT, CUT 1/2" DEEP STRAIGHT BOUNDARY LINES AND BRK HAMMER OUT ALL LOOSE CONCR. WITHIN BOUNDARY LINES FOR REPAIRS. SEE SHT. D-14.
- 16 CONTRACTOR SHALL REMOVE EXIST. TOILET AREAS, WALLS, PIPING & FITTINGS. DO NOT REMOVE WITH REMOVED FITTING. PATCH SLOPE OPENING WITH STUCCO GROUT.
- 17 ON 2" CONCRETE PILEHEAD TO CLEAR FOUNDATION LEVEL. DO NOT DAMAGE EXISTING ANCHOR BOLTS OR REBAR. WORK THIS ITEM WITH 18" W/ 1" ON SHEET D-3 & D-2.
- 18 BREAK-OUT AND REMOVE STAIR, WALL, EXISTING FLOOR TOILET, ETC AND WASTE.
- 19 REMOVE FENCE AND STORE WITH ASD MAINTENANCE DEPT.

- 21 REMOVE DOCK LEVELING AND STORE WITH ASD MAINTENANCE DEPT.
- 22 REMOVE BATTERY SHEET & STORE WITH ASD MAINTENANCE DEPT.
- 23 PATCH UP A WATER LINE THAT PASSES UNDER DOCK TO VALVE ROOMS. REMOVE 1" THK SLAB (TYPICAL) 8" IN THICK. MATCH WITH DETAILS OF SHEET D-8.
- 24 REMOVE ALL SKILL SHEET FULL RAIL DRAIN PIPE SLEAVED DOWN SPOUT. EMBEDDED FLOOR. FITTING PIPE - RAIL HOLES CREATED BY DEM. LITHIAL.
- 25 BREAK OUT EXISTING MASONRY AT MIDSPAN TERMINAL DATE.

ALABAMA STATE DOCKS

MOBILE, ALABAMA

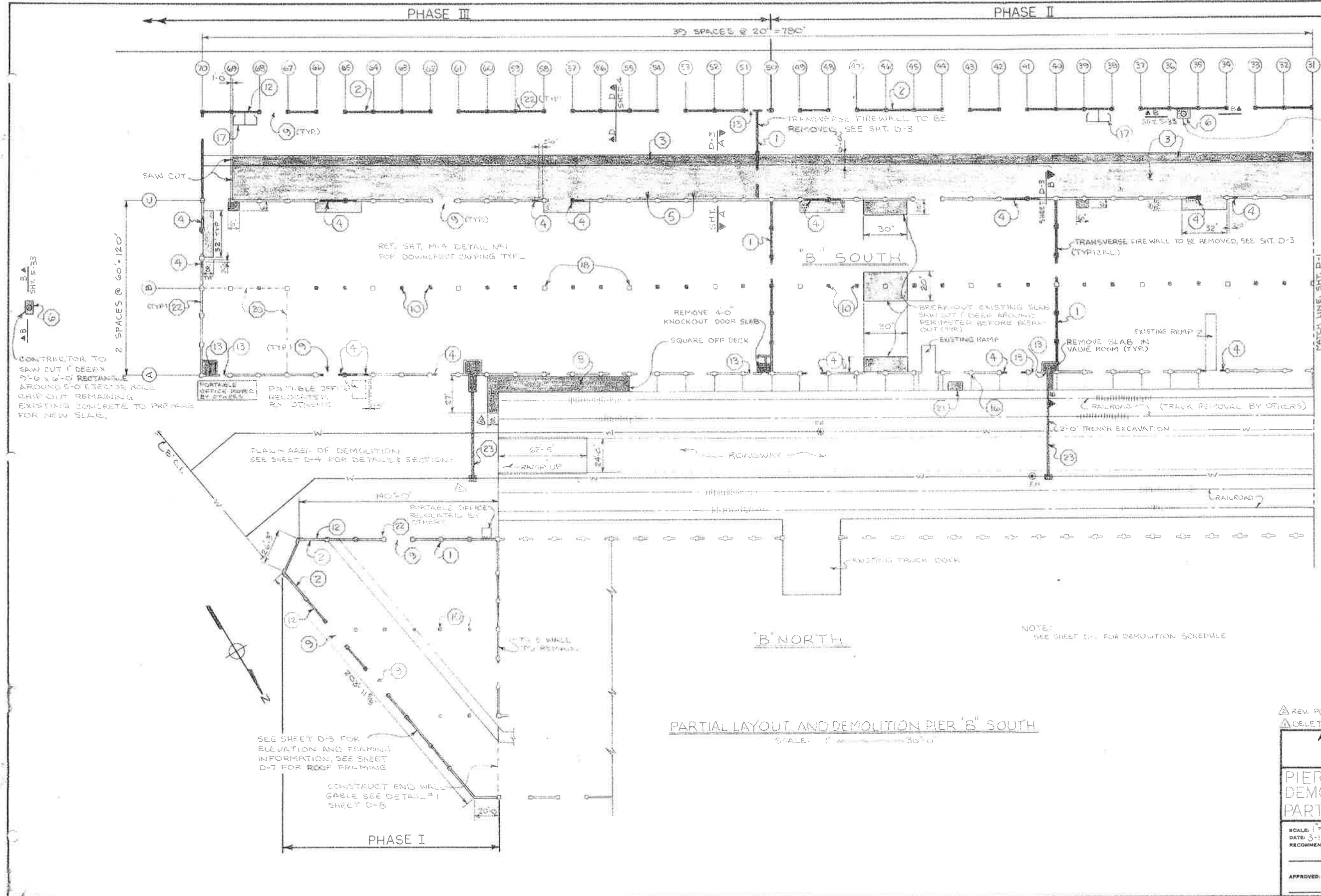
**PIER B SOUTH
DEMOLITION
PARTIAL FLOOR PLAN**

SCALE: 1" = 30'
DATE: 3-11-87
RECOMMENDED:

DRAWN BY: L.R.H.
TRACED BY: [Signature]
CHECKED BY: [Signature]

APPROVED: _____

B-10-145-3



CONTRACTOR TO SAW CUT 1" DEEP X 9'-6" X 6'-0" RECTANGLE AROUND 5'-0" EJECTOR HOLE. CHIP OUT REMAINING EXISTING CONCRETE TO PREPARE FOR NEW SLAB.

CONTRACTOR TO SAW CUT 1" DEEP X 9'-6" X 6'-0" RECTANGLE AROUND 5'-0" EJECTOR HOLE. CHIP OUT REMAINING EXISTING CONCRETE TO PREPARE FOR NEW SLAB.

PLAN AREA OF DEMOLITION SEE SHEET D-4 FOR DETAILS & SECTIONS.

NOTE: SEE SHEET D-4 FOR DEMOLITION SCHEDULE

PARTIAL LAYOUT AND DEMOLITION PIER 'B' SOUTH
SCALE: 1" = 30'-0"

REV. PLAN TO AGREE W/ PLAN ON SHEET D-4
 DELETED FH SYMBOL 8-31-87

ALABAMA STATE DOCKS

MOBILE, ALABAMA

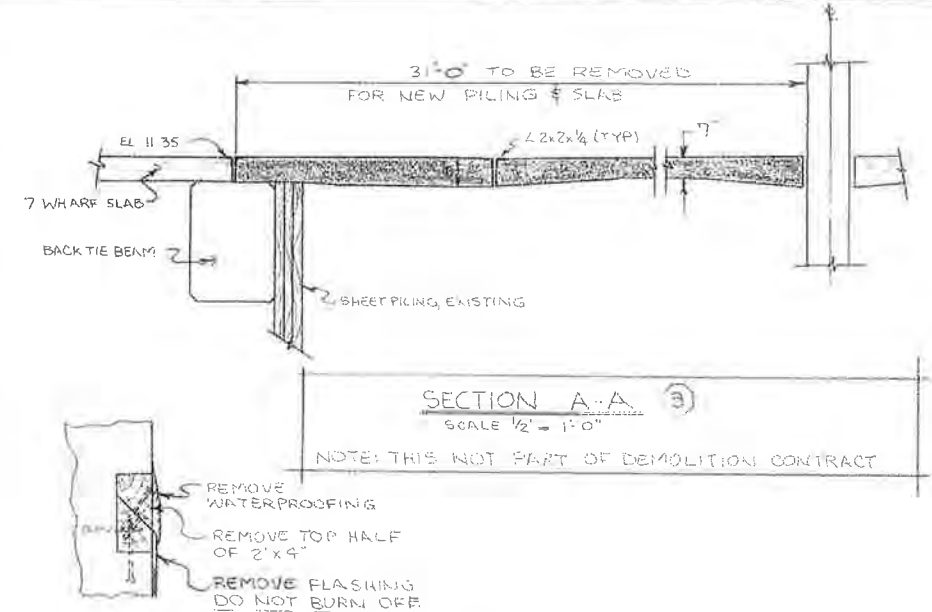
**PIER 'B' SOUTH
DEMOLITION
PARTIAL FLOOR PLAN**

SCALE: 1" = 30'
 DATE: 3-11-87
 RECOMMENDED:

DRAWN BY: LRH
 TRACED BY:
 CHECKED BY:

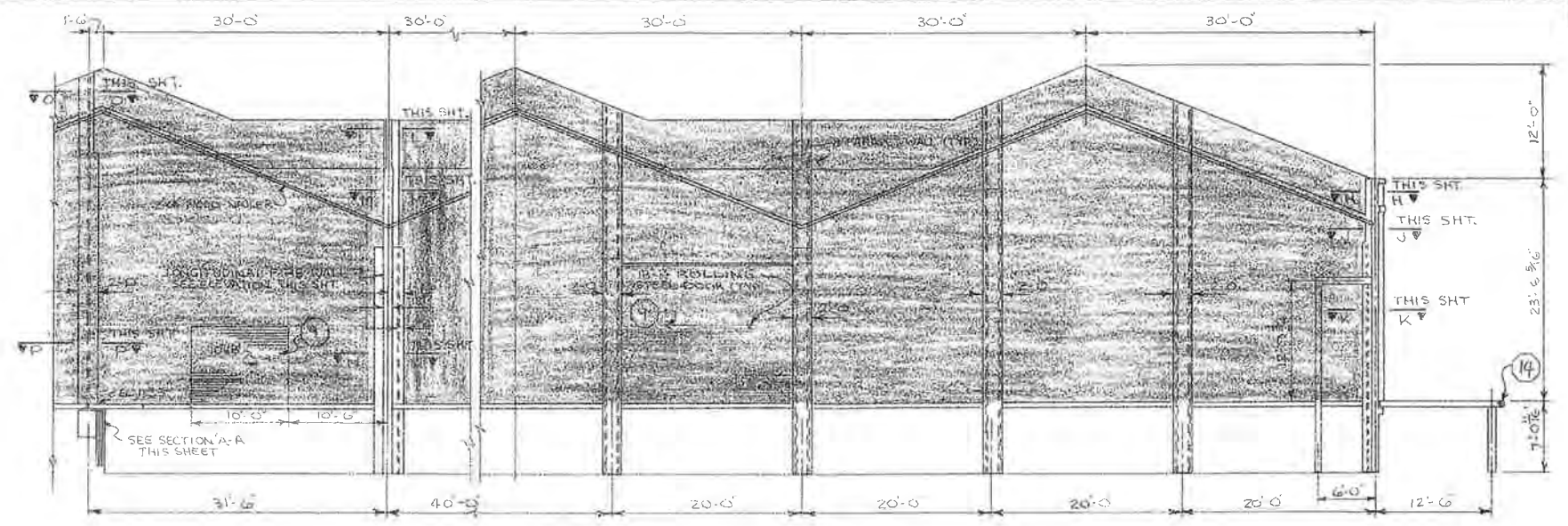
APPROVED: _____

B-10-145-4

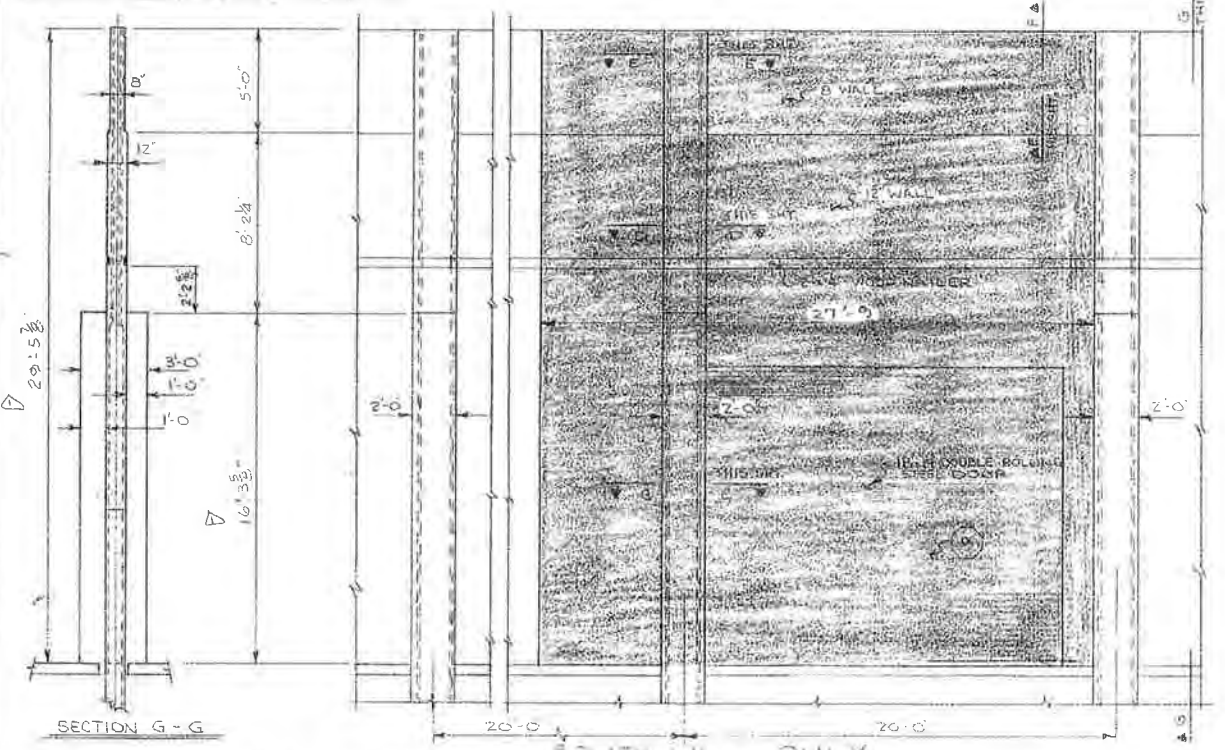


NOTE: THIS NOT PART OF DEMOLITION CONTRACT

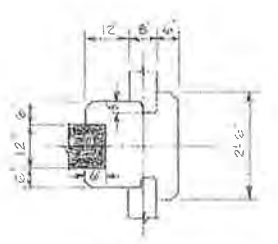
DETAIL OF WOOD NAILING STRIP



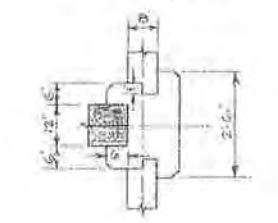
SECTION B-B - PARTIAL ELEVATION



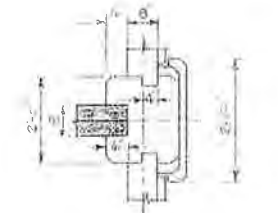
PARTIAL SECTIONAL ELEVATION OF LONGITUDINAL FIRE WALL



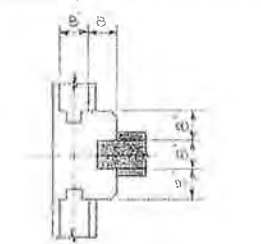
SECTION H-H



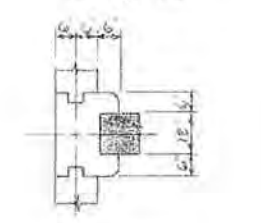
SECTION J-J



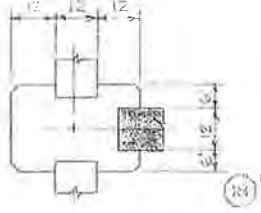
SECTION K-K



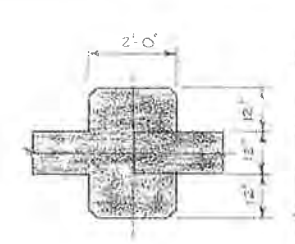
SECTION L-L



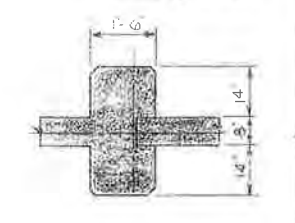
SECTION M-M



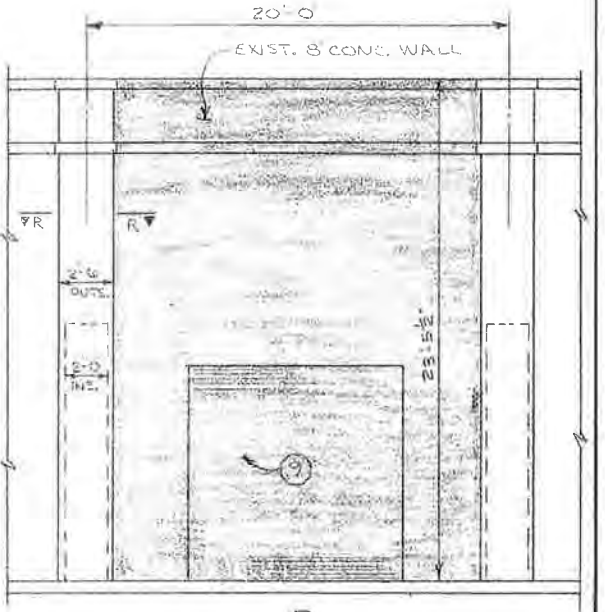
SECTION N-N



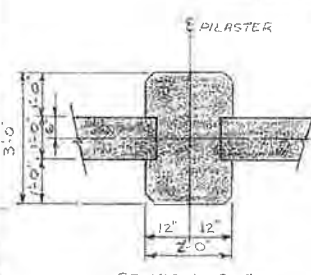
SECTION O-O



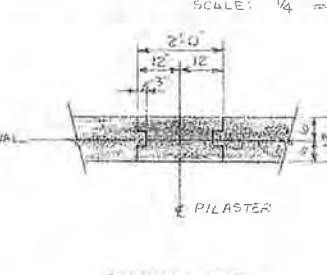
SECTION P-P



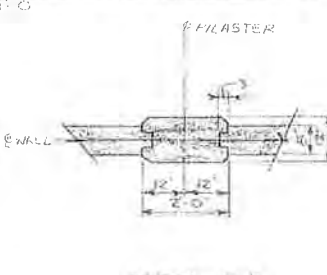
PARTIAL SECT. NORTH WALL @ DOOR



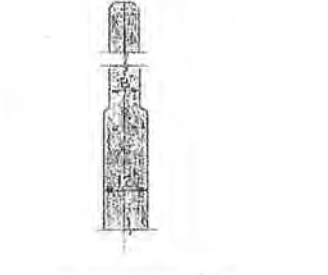
SECTION C-C



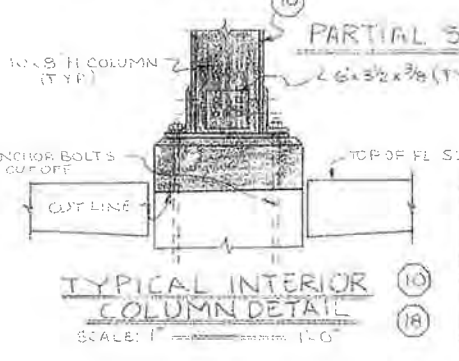
SECTION D-D



SECTION E-E



SECTION F-F



TYPICAL INTERIOR COLUMN DETAIL

ALABAMA STATE DOCKS
MOBILE, ALABAMA

PIER "B" SOUTH DEMOLITION MISC WALL SECTIONS

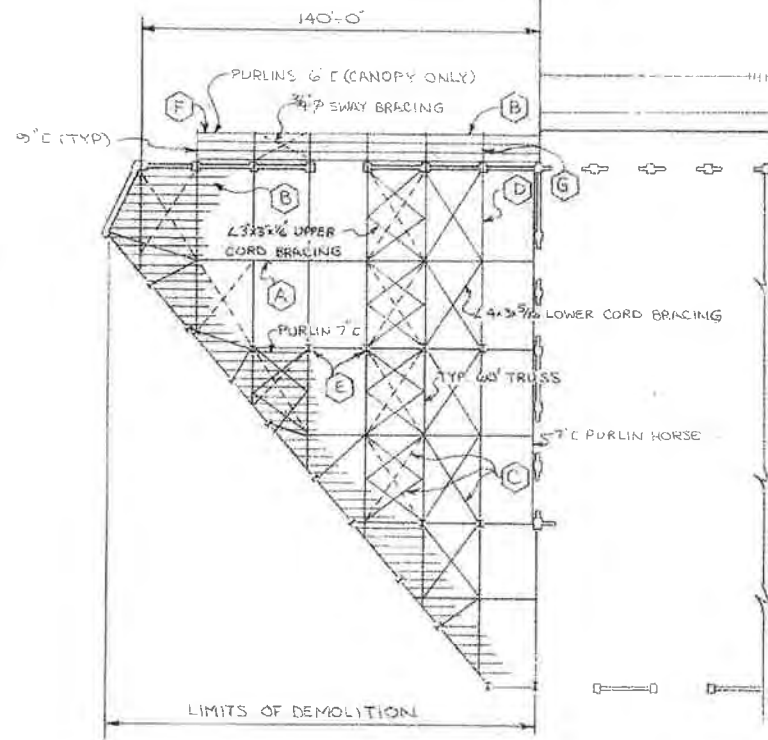
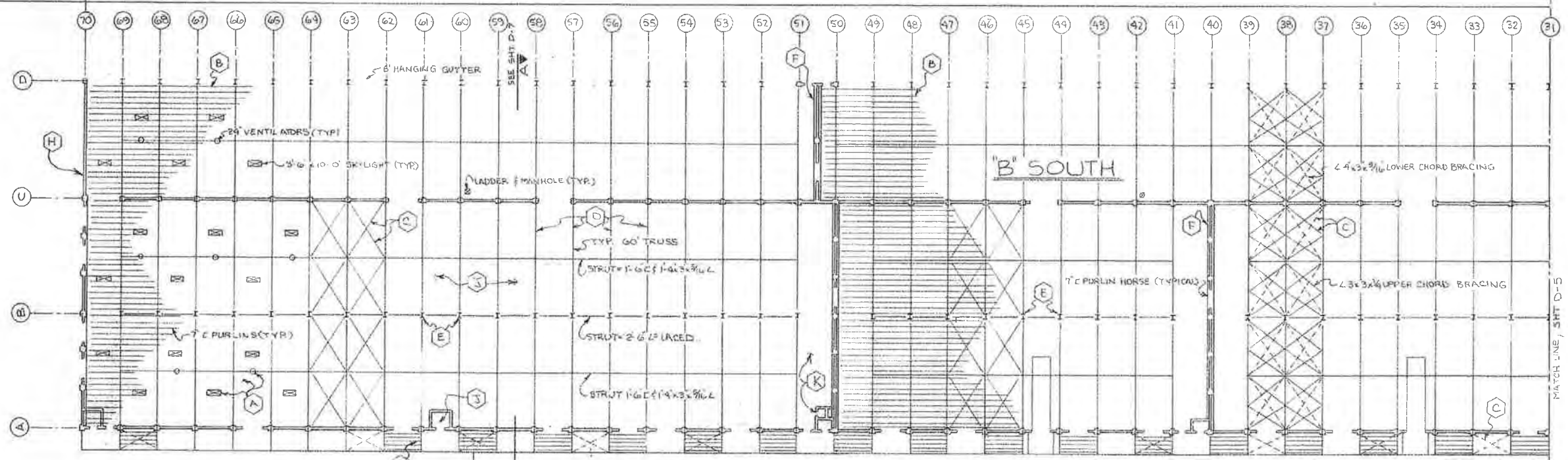
SCALE: NOTED
DATE: 4-10-87
RECOMMENDED:

DRAWN BY: LBH
TRACED BY: [Signature]
CHECKED BY: [Signature]

APPROVED: [Signature]

B-10-145-5

(39) SPACES @ 20' = 780'



ITEMS OF DEMOLITION	
A	REMOVE METAL DECK, VENTILATORS, & SKYLIGHTS & WASTE.
B	REMOVE PURLINS FOR SCRAP.
C	REMOVE ALL DIAGONAL AND LONGITUDINAL BRACING FOR SCRAP.
D	REMOVE ALL 60 FT. TRUSSES FOR SCRAP.
E	REMOVE INTERIOR COLUMNS FOR SCRAP.
F	REMOVE GUTTERS, PURLIN HORSES, D.S. LEADS, FLASHING AND WASTE.
G	REMOVE CANOPY TRUSSES FOR SCRAP.
H	REMOVE EXISTING FRAMING FOR SCRAP.
I	REMOVE OVERHEAD SPRINKLER SYSTEMS INCLUDING DRY VALVES IN SPRINKLER VALVE ROOMS. SCRAP ALL EXCEPT ANY REUSEABLE VALVES WANTED BY ASD MAINTENANCE DEPT.
K	REMOVE ELECTRICAL LIGHTING, CONDUIT, OUTLETS, PANELS, ETC. SCRAP ALL EXCEPT ANY REUSEABLE PANELS AND CIRCUIT BREAKERS WANTED BY ASD MAINTENANCE DEPT.

"B" NORTH

NOTE:
 1. SEE SHT. D-7 FOR ROOF SYSTEM SECTION AND DETAIL.
 2. LOCATION OF CANOPY PURLINS ONLY AS INDICATED NORTH SIDE, "B" SOUTH ONLY.

ALABAMA STATE DOCKS
 MOBILE, ALABAMA

**PIER "B" SOUTH
 DEMOLITION
 ROOF FRAMING PLAN**

SCALE: 1"=30'
 DATE: 4-10-87
 RECOMMENDED:

DRAWN BY: LRH
 TRACED BY: [Signature]
 CHECKED BY: [Signature]

APPROVED: _____

D-6
 B-10-145-8

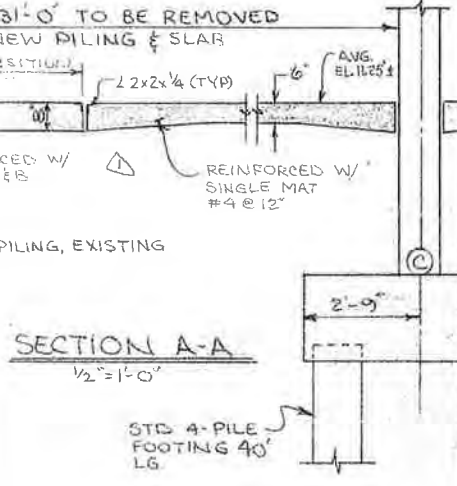
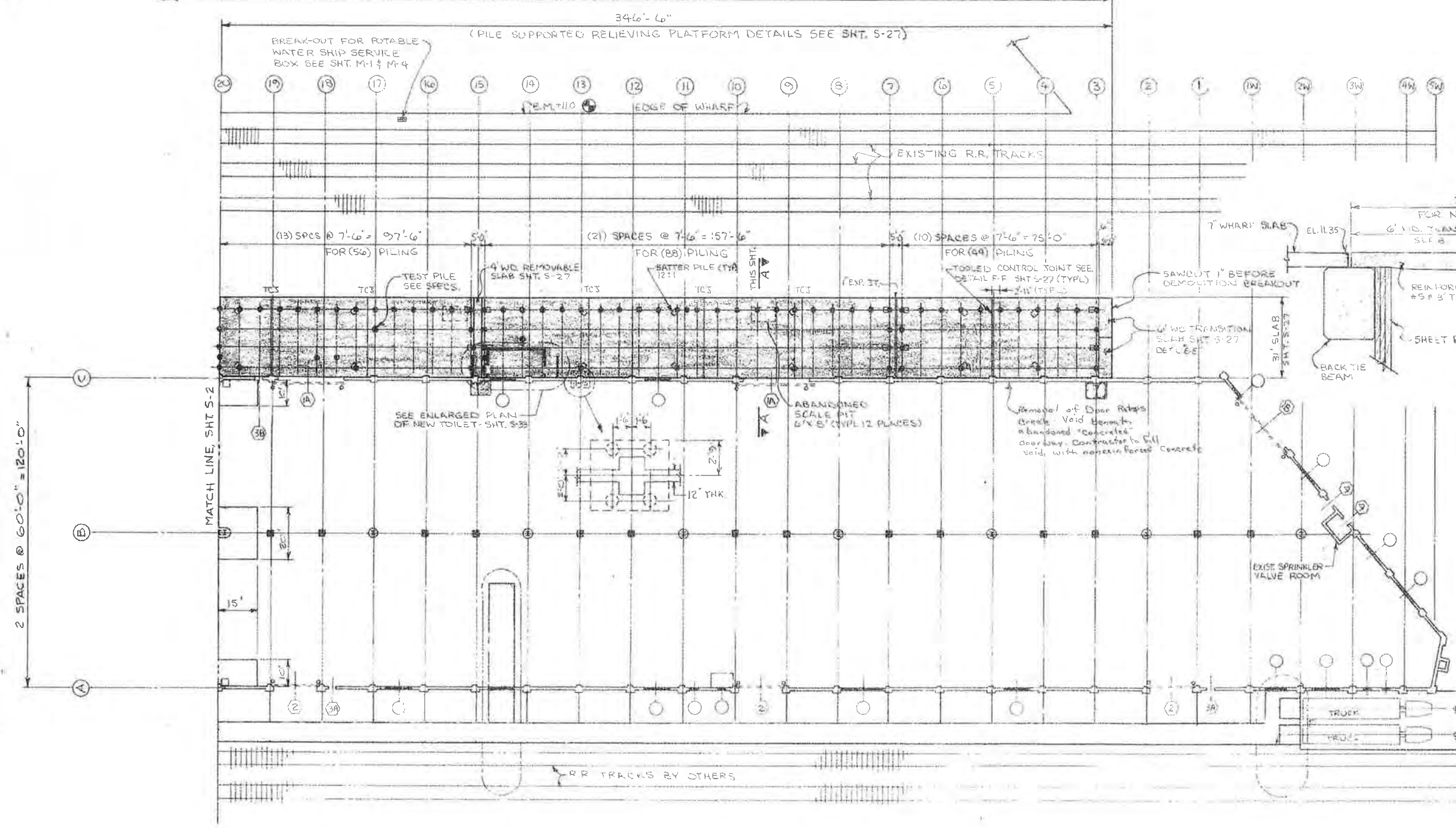


PHASE I

PILING LEGEND

BENT NO.	ESTIMATED TIP EL.	QTY
3-11	-35'	38
11-14	-40'	32
14-20	-45'	48

NOTE:
CONTRACTOR SHALL DRIVE PROBE PILING ON INTERVALS NOT TO EXCEED 100 FEET
ABANDONED scale pits of 18' concrete exist. for Contractor Removal



LEGEND
AREA OF NEW CONSTRUCTION



FLOOR PLAN — NEW RENOVATION AND REPAIR
PIER 'B' SOUTH
SCALE: 1" = 20'

PIER 'B' SOUTH REHABILITATION
PILE SUPPORTED
RELIEVING PLATFORM-PLAN
ALABAMA STATE DOCKS

MOBILE, ALABAMA
PIER B SOUTH
RENOVATION & REPAIR
PARTIAL FLOOR PLAN

SCALE: 1" = 20'
DATE: 4-21-87
RECOMMENDED:
DRAWN BY: CRH
TRACED BY:
CHECKED BY:

APPROVED:
B-10-145-11A

REV. PER ADDENDUM N#1 9/25/87

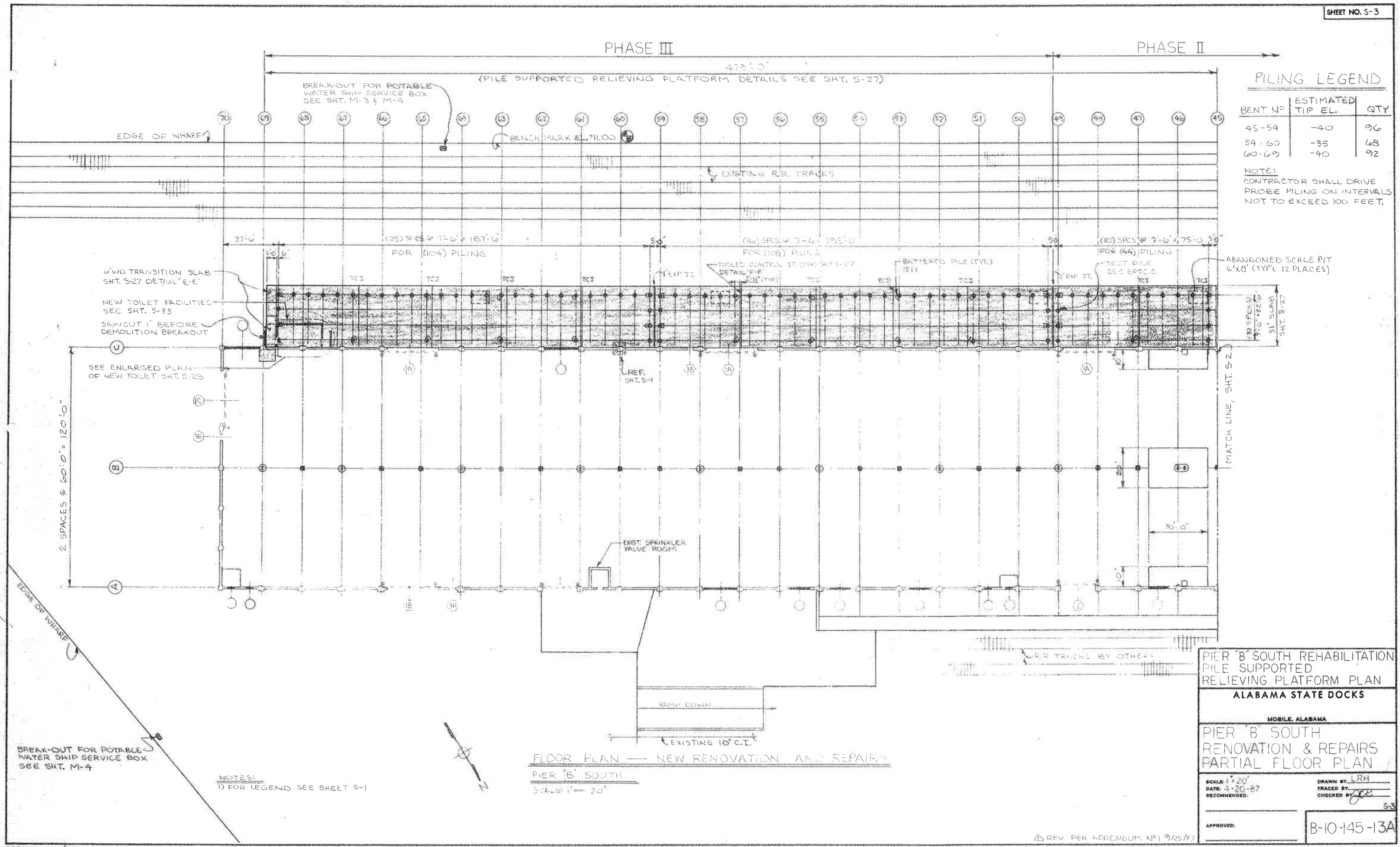
PHASE III

PHASE II

PILING LEGEND

BENT NO	ESTIMATED TIP EL.	QTY
45-54	-40	96
54-60	-35	68
60-69	-40	92

NOTE:
CONTRACTOR SHALL DRIVE PROBE PILING ON INTERVALS NOT TO EXCEED 100 FEET.



6"WD TRANSITION SLAB
SHT. S-27 DET. 11"E-E"
NEW TOILET FACILITIES
SEE SHT. S-23
SAWCUT 1" BEFORE
DEMOLITION BREAKOUT

SEE ENLARGED PLAN
OF NEW TOILET SHT. S-25

BREAK-OUT FOR POTABLE
WATER SHIP SERVICE BOX
SEE SHT. M-3 & M-4

(PILE SUPPORTED RELIEVING PLATFORM DETAILS SEE SHT. S-27)

BENCHMARK E. T. 100

EXISTING R.R. TRACKS

(25) SP'S @ 7'-6" = 187'-6"
FOR (104) PILING

(20) SP'S @ 7'-6" = 150'-0"
FOR (108) PILING

(10) SP'S @ 7'-6" = 75'-0"
FOR (46) PILING

ABANDONED SCALE PIT
6'x8' (TYP) 12 PLACES

REF.
SHT. S-1

MATCH LINE, SHT. S-2

EXIST. SPRINKLER
VALVE ROOM

R.R. TRACKS BY OTHER

BREAK-OUT FOR POTABLE
WATER SHIP SERVICE BOX
SEE SHT. M-4

NOTES:
1) FOR LEGEND SEE SHEET S-1

FLOOR PLAN — NEW RENOVATION AND REPAIRS
PIER B SOUTH
3/8" = 20'

PIER B SOUTH REHABILITATION
PILE SUPPORTED
RELIEVING PLATFORM PLAN
ALABAMA STATE DOCKS

MOBILE, ALABAMA

PIER B SOUTH
RENOVATION & REPAIRS
PARTIAL FLOOR PLAN

SCALE: 1" = 20'
DATE: 4-20-87
RECOMMENDED:

DRAWN BY: LRH
TRACED BY:
CHECKED BY:

APPROVED:

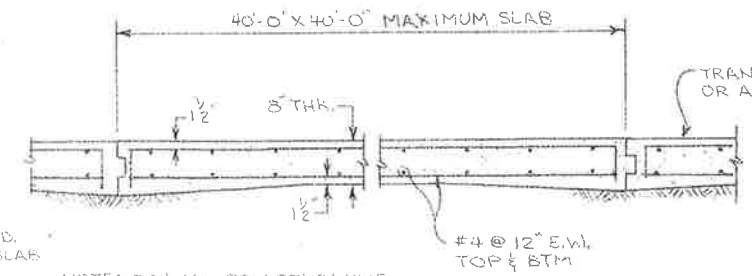
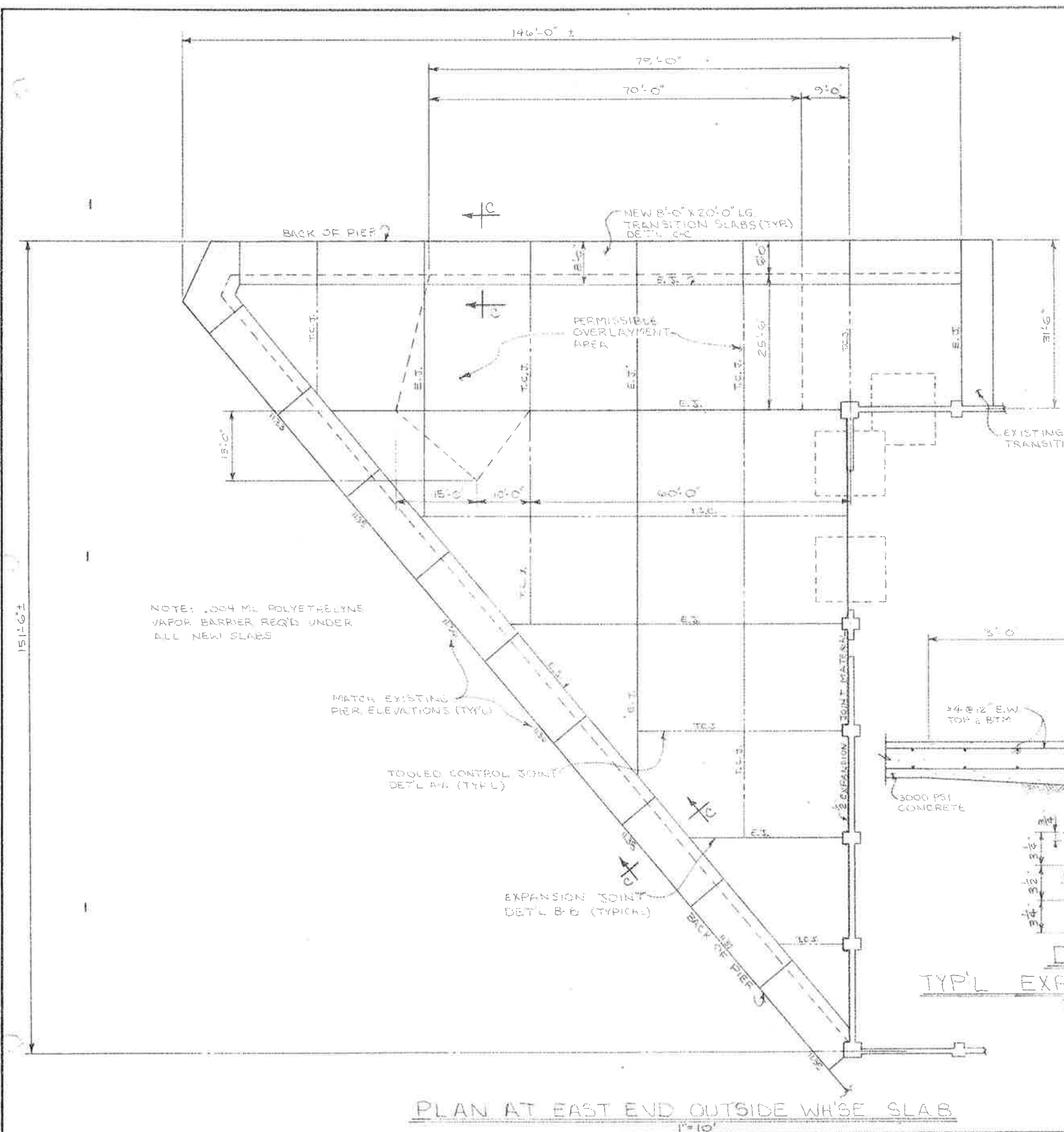
B-10-145-13A

REV. PER ADDENDUM NO. 1 9/25/87

NOTES FOR EXTERIOR CONCRETE WORK:

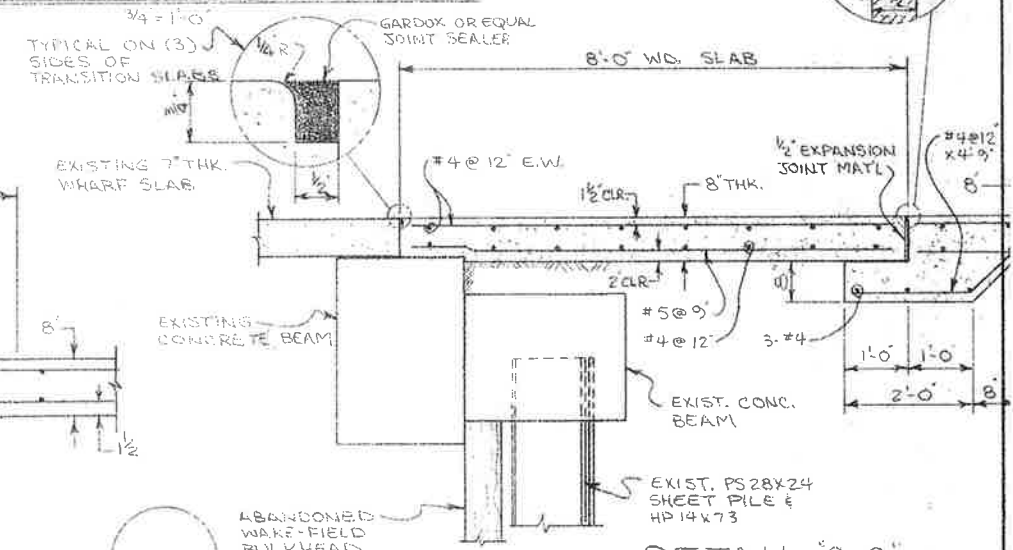
1. BREAK AND REMOVE EXISTING SLAB WITHIN LIMITS SHOWN. DISPOSAL TO BE OFF STATE OWNED PROPERTY.
2. BACKFILL WITH SAND-CLAY CONFORMING TO TYPE A, SECTION 821 OF ALA. HIGHWAY DEPT. SPECIFICATIONS. COMPACTION SHALL BE NOT LESS THAN 95% OF MODIFIED PROCTOR DENSITY. MAXIMUM 8' LIFTS.
3. CONCRETE OVERLAYMENT OF EXISTING SLAB WILL BE PERMITTED IN AREAS WITH 6" OR GREATER THICKNESS. REINFORCEMENT SHALL BE (2) MATS OF #4 @ 12" EA. WAY.
4. ALL SLABS SHALL BE POURED IN A CHECKER BOARD MANNER WITH (7) DAYS TIME BETWEEN ADJACENT POURS.
5. THE FOLLOWING CONTRACT SPECIFICATIONS ARE APPLICABLE AS DEFINED:

SPECIFICATION 518: SECTION 6 CONCRETE
 SPECIFICATION 519: SECTION 8 CONCRETE

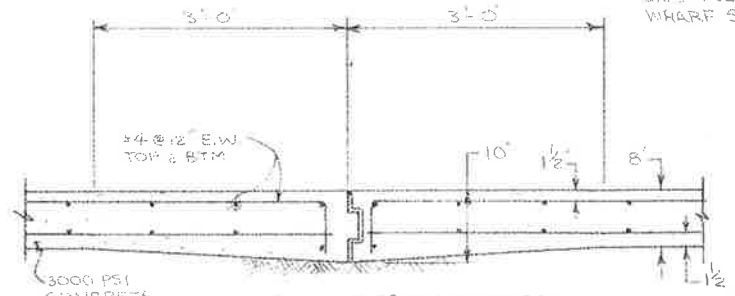


NOTE: 004 ML POLYETHYLENE VAPOR BARRIER REQ'D UNDER ALL NEW SLABS

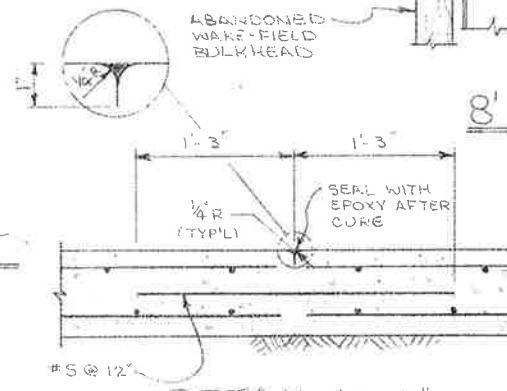
DET'L 'D-D' TYP'L SECT. OF SLAB



DETAIL 'C-C' 8' WD. TRANSITION SLAB



DET'L 'B-B' TYP'L EXPANSION JOINT

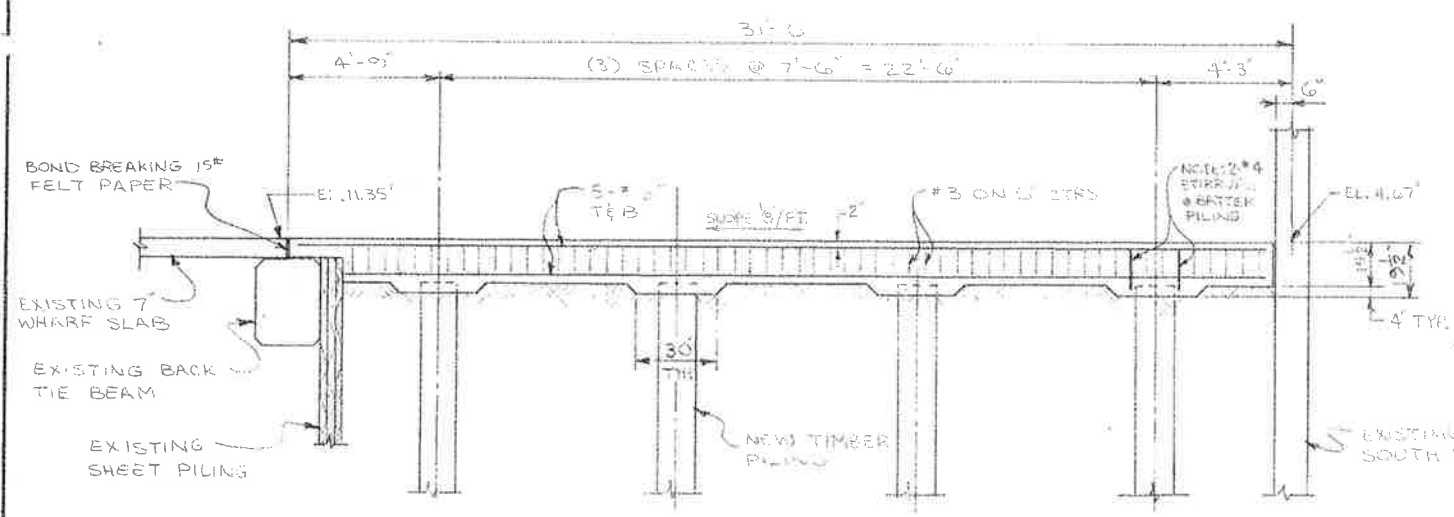


DETAIL 'A-A' TOOLED CONTROL JOINT

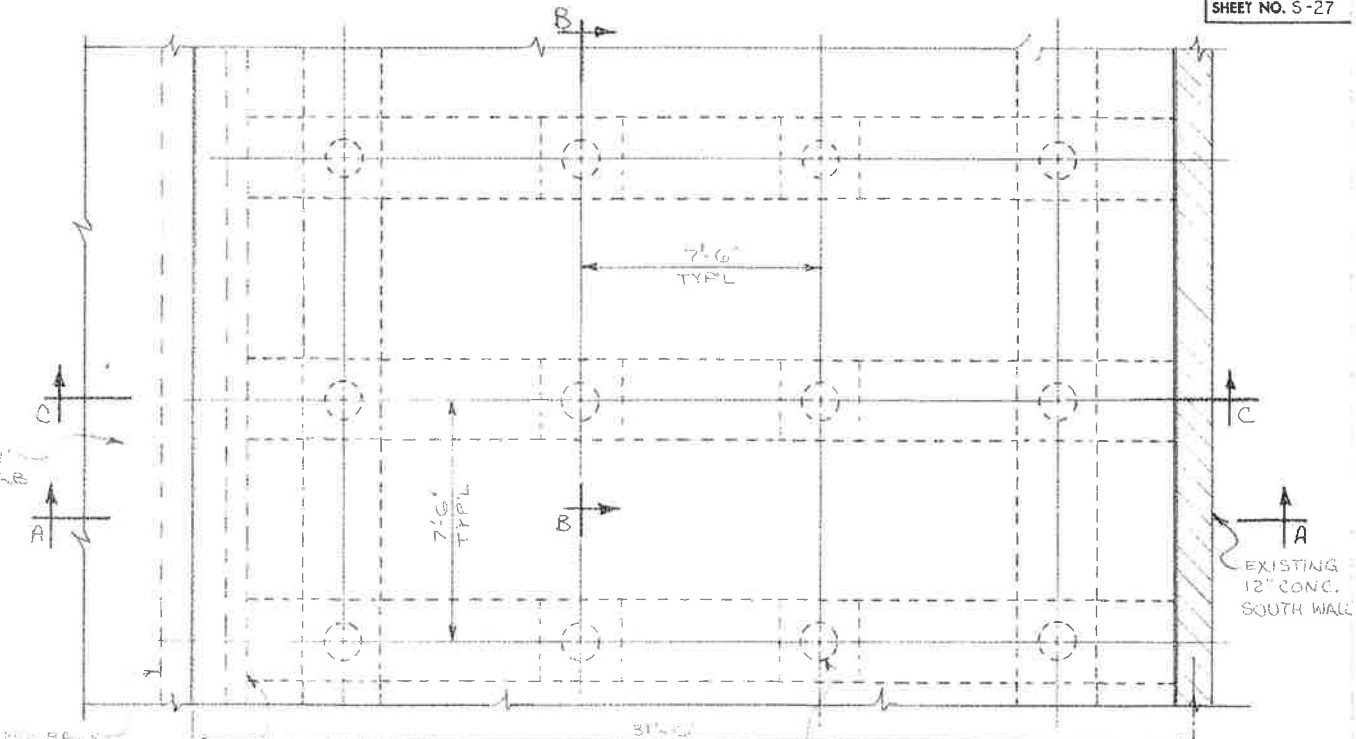
NOTE: 004 ML POLYETHYLENE VAPOR BARRIER REQ'D UNDER ALL NEW SLABS

PLAN AT EAST END OUTSIDE WHARF SLAB

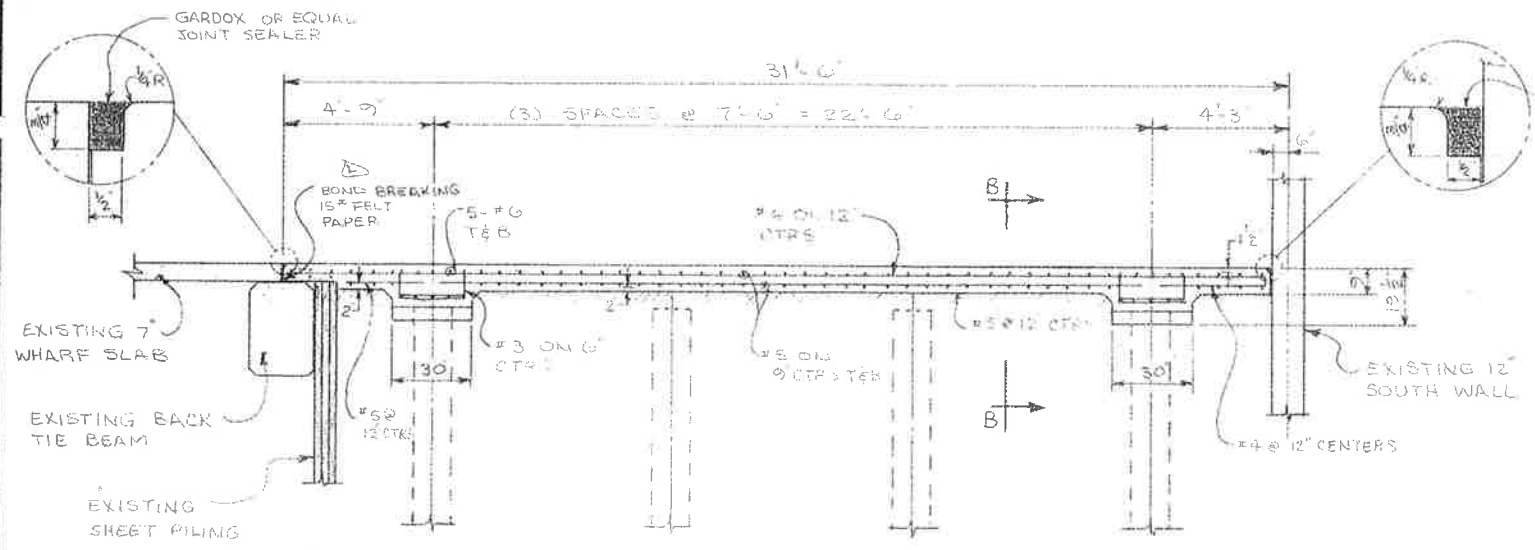
ALABAMA STATE DOCKS	
MOBILE, ALABAMA	
PIER B SOUTH EAST END SLAB REPAIR	
SCALE: 1"=10' DATE: 9-2-88 RECOMMENDED:	DRAWN BY: LRH TRACED BY: CHECKED BY:
APPROVED:	B-10-145-16B



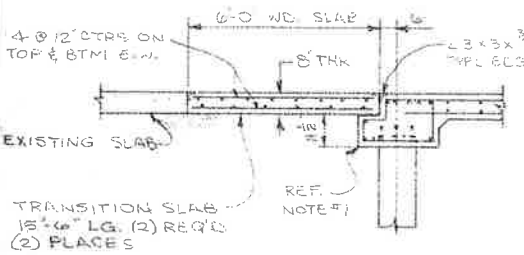
SECT. "C-C" OF PILING
3/8" = 1'-0"



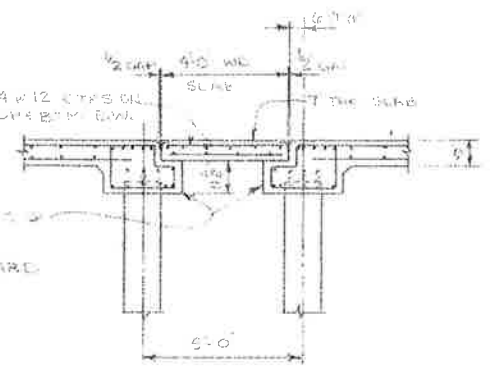
PARTIAL PLAN AT DOCK
3/8" = 1'-0"



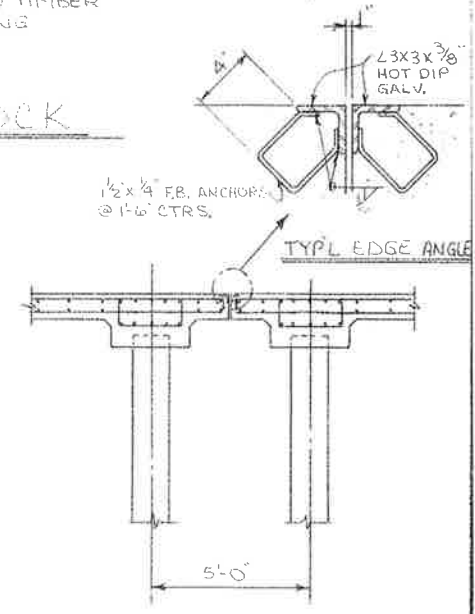
SECT. "B-B"
3/8" = 1'-0"



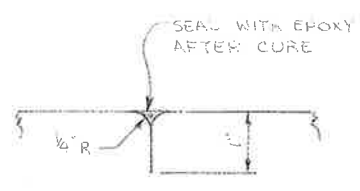
SECT. "E-E"
6' WD. TRANSITION SLAB



SECT. "D-D" REMOVABLE SLAB
3/8" = 1'-0"



TYPICAL EXPANSION JT.
3/8" = 1'-0"



DETAIL "F-F"
TOOLED CONTROL JT.

NOTE:
1. SEE 10-10-87 CONSTRUCTION REMOVAL SERIES
2. REFER TO BIDDING DRAWING TO SEE PILING

REV. PER CHG. ORDER #2 3/31/81
REV. PER ADDENDUM #1 5/25/87

ALABAMA STATE DOCKS	
MOBILE, ALABAMA	
PIER "B" SOUTH REHABILITATION PILE SUPPORTED RELIEVING PLATFORM S-27	
SCALE: 3/8" = 1'-0" DATE: 5-25-87 RECOMMENDED:	DRAWN BY: LRU TRACED BY: CHECKED BY:
APPROVED:	B-10-145-37

ALABAMA STATE DOCKS DEPARTMENT
MOBILE, ALABAMA

PIER "B" SOUTH
WAREHOUSE REHABILITATION

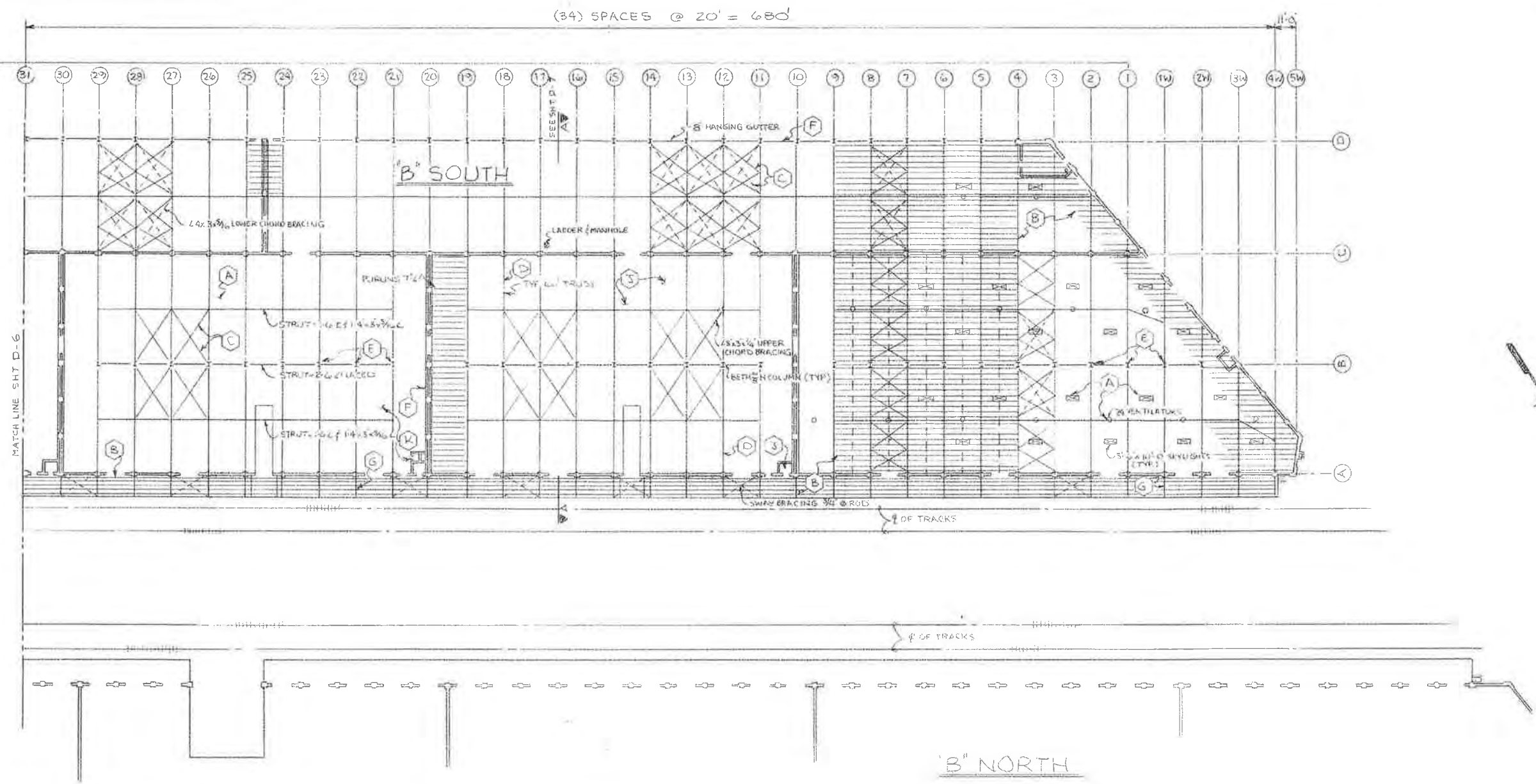
A.F.E. NO. 1571

ASD SPEC. NO. 519

SEPTEMBER 1987

GUY HUNT, GOVERNOR

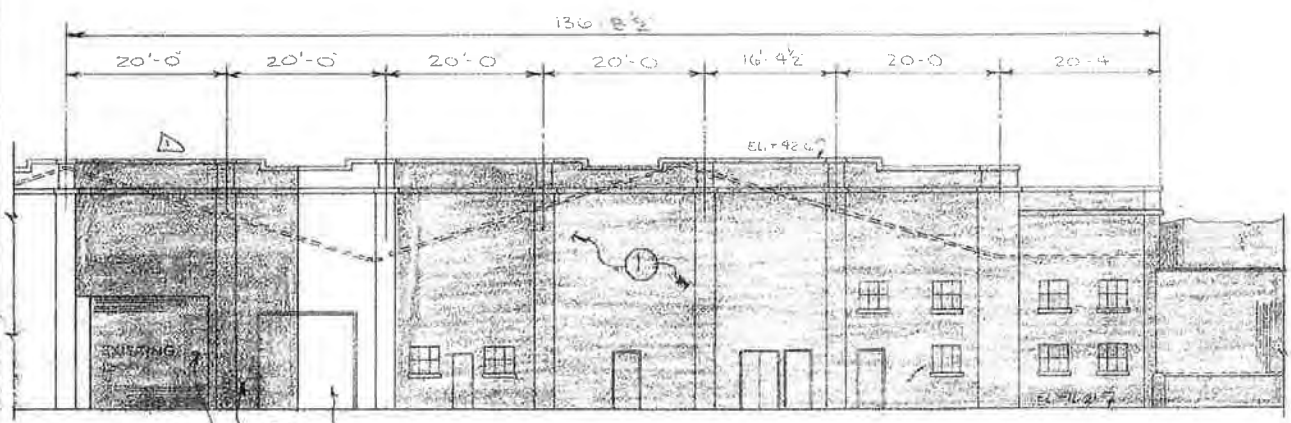
JOHN B. DUTTON, DIRECTOR



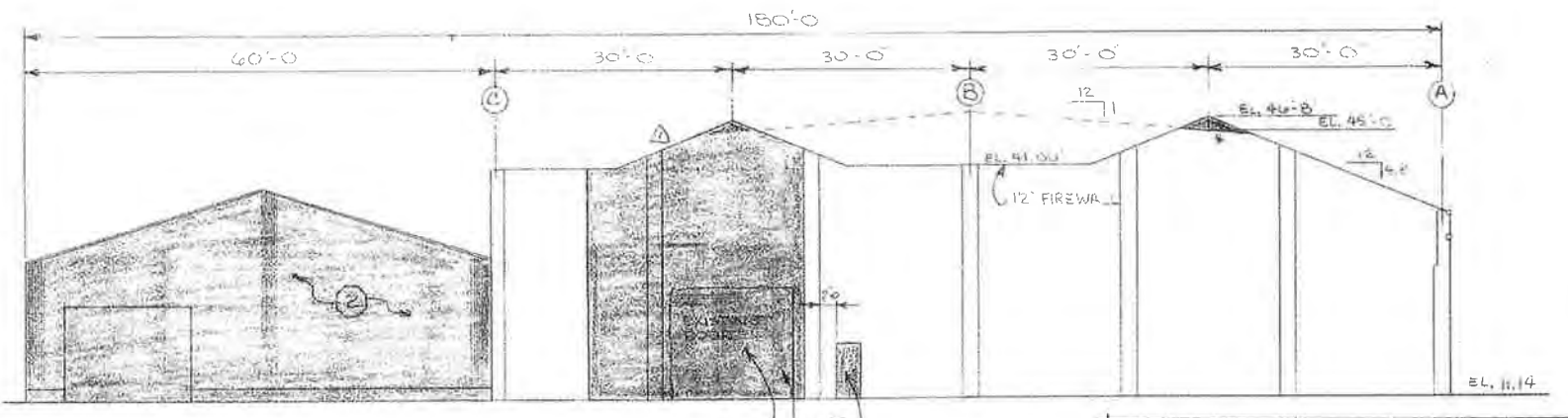
ITEMS OF DEMOLITION	
(A)	REMOVE METAL DECK, VENTILATORS & SKYLIGHT - & WASTE.
(B)	REMOVE PURLINS FOR SCRAP.
(C)	REMOVE ALL DIAGONAL AND LONGITUDINAL BRACING FOR SCRAP.
(D)	REMOVE ALL 60 FT TRUSSES FOR SCRAP.
(E)	REMOVE INTERIOR COLUMNS FOR SCRAP.
(F)	REMOVE GUTTERS, PURLIN HORSES, O.S. LEADS, FLASHING AND WASTE.
(G)	REMOVE CANOPY TRUSSES FOR SCRAP.
(S)	REMOVE OVERHEAD SPRINKLER SYSTEMS INCLUDING DRY VALVES IN SPRINKLER VALVE ROOMS. SCRAP ALL EXCEPT ANY REUSEABLE VALVES WANTED BY ASD MAINTENANCE DEPT.
(K)	REMOVE ELECTRICAL LIGHTING, CONDUIT, OUTLETS, PANELS, ETC. SCRAP ALL EXCEPT ANY REUSEABLE PANELS & CIRCUIT BREAKERS WANTED BY ASD MAINTENANCE DEPT.

NOTE:
SEE SHEET D-7 FOR ROOF SYSTEM SECTION AND DETAIL.

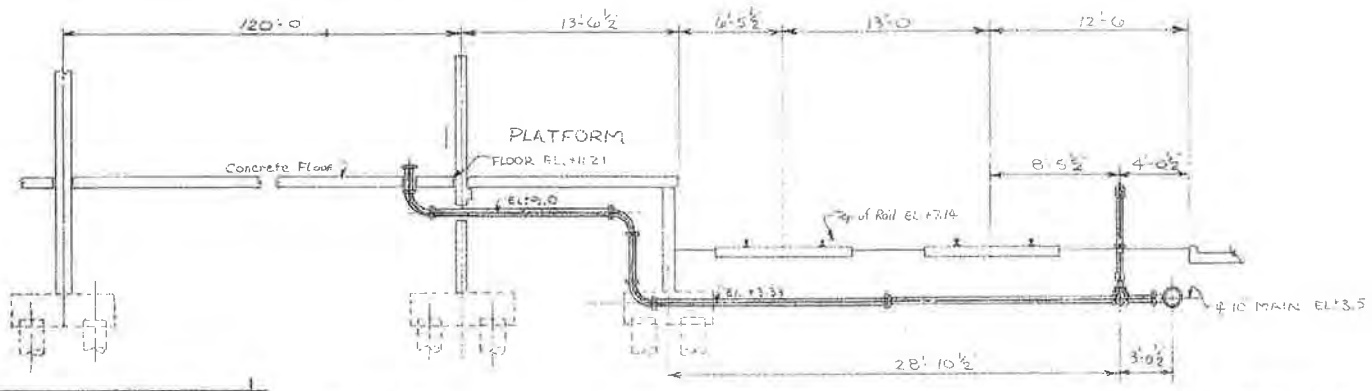
ALABAMA STATE DOCKS	
<small>MOBILE, ALABAMA</small>	
PIER B SOUTH DEMOLITION ROOF FRAMING PLAN	
SCALE: 1" = 30'	DRAWN BY: LRH
DATE: 4-10-87	TRACED BY: [Signature]
RECOMMENDED:	CHECKED BY: [Signature]
APPROVED:	D-5 B-10-145-7



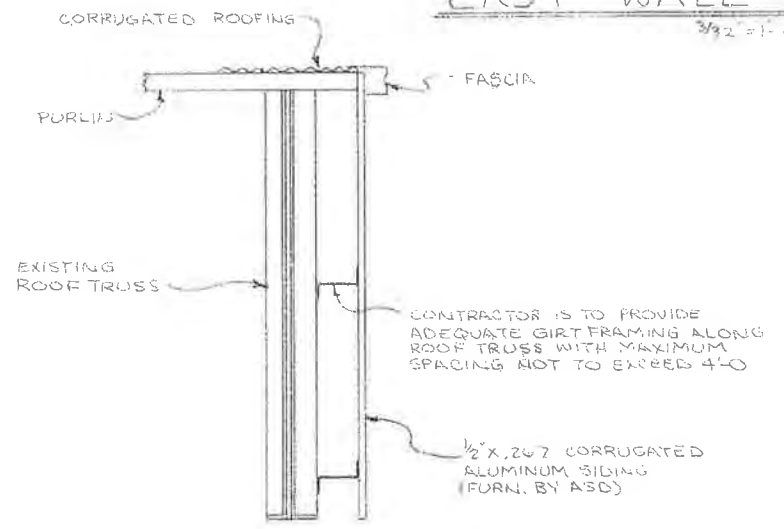
① PARTIAL WEST WALL
3/32" = 1'-0"



EAST WALL ELEVATION
3/32" = 1'-0"



② SECTION TYPICAL 8" C.I. PIPE TO SPRINKLER VALVE ROOM



DET'L #1 END WALL GABLE

SHOW DEMOLITION @ TOP OF DOORS B-28-97

ALABAMA STATE DOCKS

MOBILE, ALABAMA

PIER B SOUTH DEMOLITION EAST & WEST WALLS

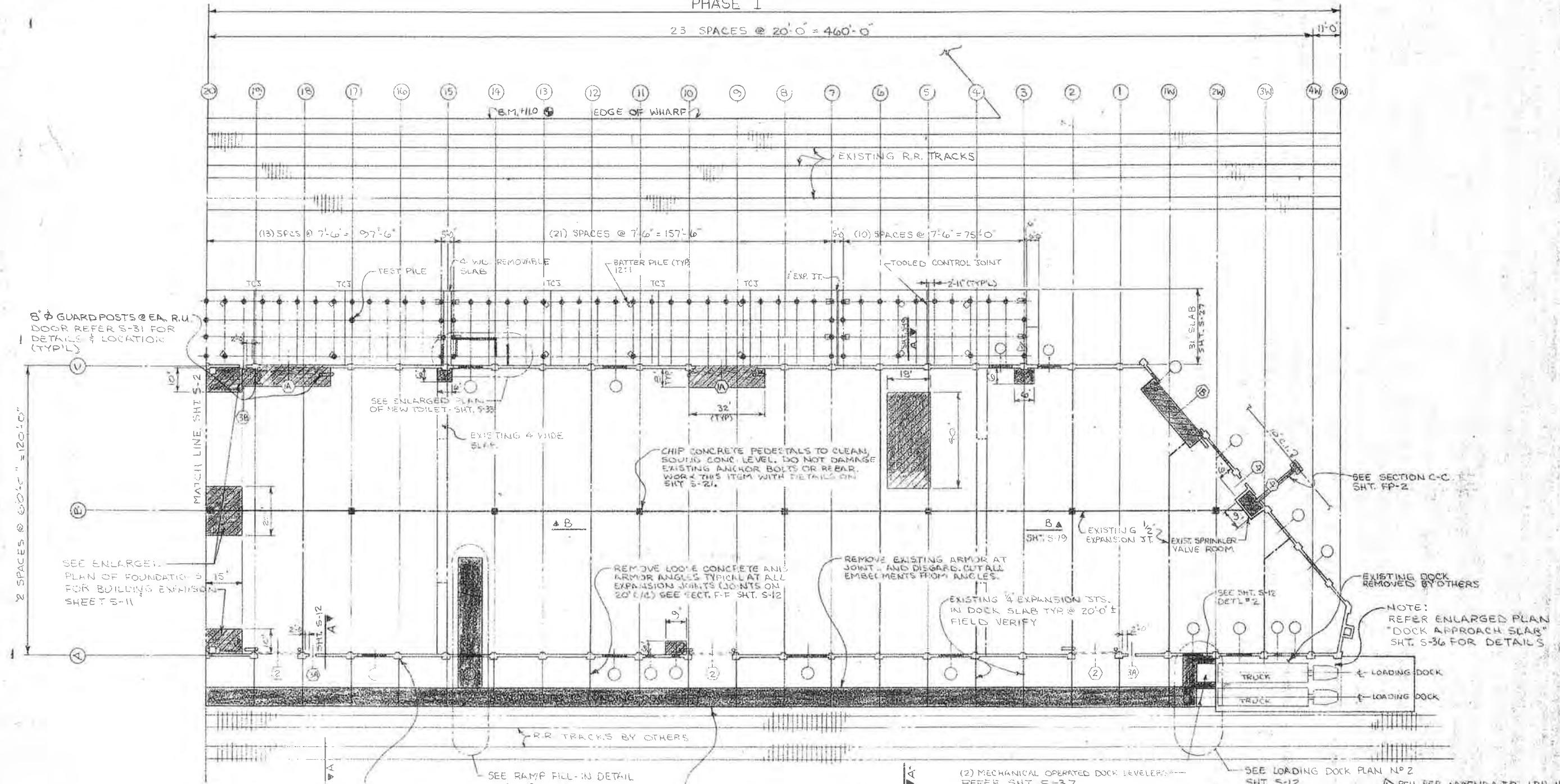
SCALE: NOTED
DATE: 4-10-87
RECOMMENDED:

DRAWN BY: LRH
TRACED BY:
CHECKED BY: J.S.

APPROVED:

B-10-145-10

PHASE I
23 SPACES @ 20'-0" = 460'-0"



FOR PILING & PILE CAP PLAN UNDER DOCK ADDITION REFER SHT. S-10

- LEGEND**
- AREA OF NEW CONSTRUCTION WITH DEMOLITION PERFORMED BY OTHERS.
 - AREA OF NEW CONSTRUCTION
 - DOOR NO. SEE DOOR SCHEDULE, SHT. S-29
 - NOTE WORK THIS SHEET WITH SHT. S-4
 - OPENINGS FILLED WITH CONC. REFER SECT. A-A SHT. S-31

ON PILASTERS WHICH HAVE CONCRETE SPALLED AREA, CUT 1/2" DEEP STRAIGHT BOUNDARY LINE AND JACK HAMMER OUT ALL LOOSE CONCRETE WITHIN BOUNDARY FOR REPAIRS. SEE SHT. S-14

FLOOR PLAN — NEW RENOVATION AND REPAIRS
PIER "B" SOUTH
SCALE: 1" = 20'

10 DOCK WALL CONST. JTS. MAX. OF 40'-0" STAGGER CONC. POURS

(2) MECHANICAL OPERATED DOCK LEVELERS — REFER SHT. S-37

SEE LOADING DOCK PLAN NO. 2 SHT. S-12

REV. PER. ADDENDA #2 L.R.H. 11-23-87

ALABAMA STATE DOCKS	
MOBILE, ALABAMA	
PIER B SOUTH RENOVATION & REPAIR PARTIAL FLOOR PLAN	
SCALE: 1" = 20'	DRAWN BY: L.R.H.
DATE: 4-21-87	TRACED BY:
RECOMMENDED:	CHECKED BY:
APPROVED:	B-10-145-11B

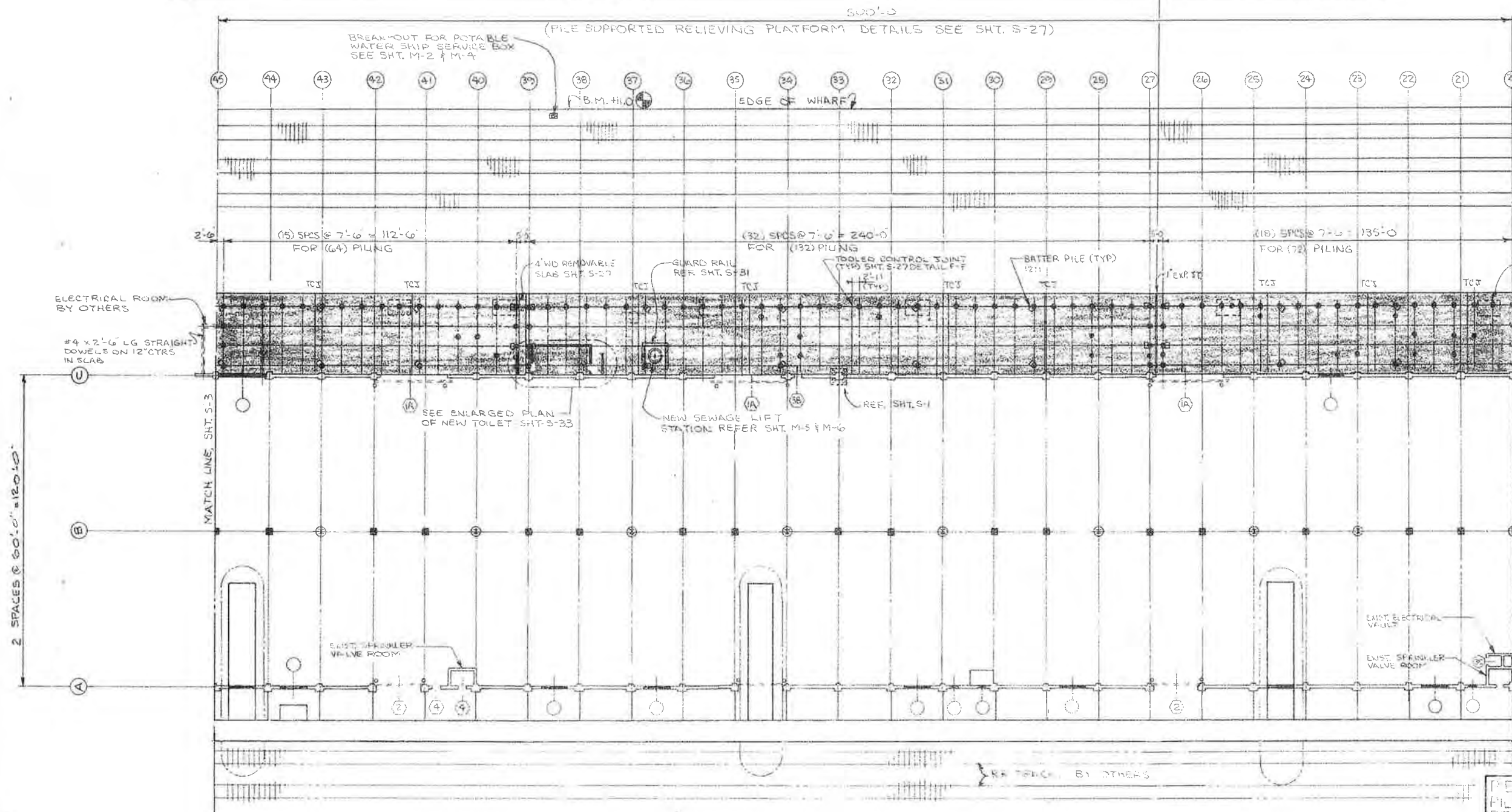
PHASE II

PHASE I

PILING LEGEND

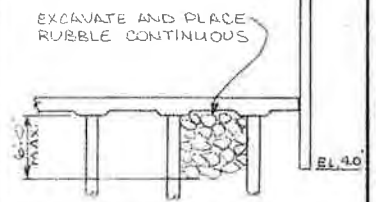
BENT NO.	ESTIMATED TIP EL.	QTY
20	-45'	8
21 - 35	-50'	152
35 - 39	-45'	44
39 - 45	-40'	64

NOTE:
CONTRACTOR SHALL DRIVE PROBE PILING ON INTERVALS NOT TO EXCEED 100 FEET.



ABANDONED SCALE PIT 6'-8" (TYP) 12 PLACES

31' W.D. SLAB
SHT. S-27



ALTERNATE DISPOSAL SCHEME FOR 31' WIDE CONCRETE SLAB

NOTES:
1) FOR LEGEND SEE SHEET S-1



FLOOR PLAN --- NEW RENOVATION AND REPAIRS
PIER 'B' SOUTH
SCALE: 1" = 20'

PIER 'B' SOUTH REHABILITATION
PILE SUPPORTED
RELIEVING PLATFORM PLAN
ALABAMA STATE DOCKS

MOBILE, ALABAMA

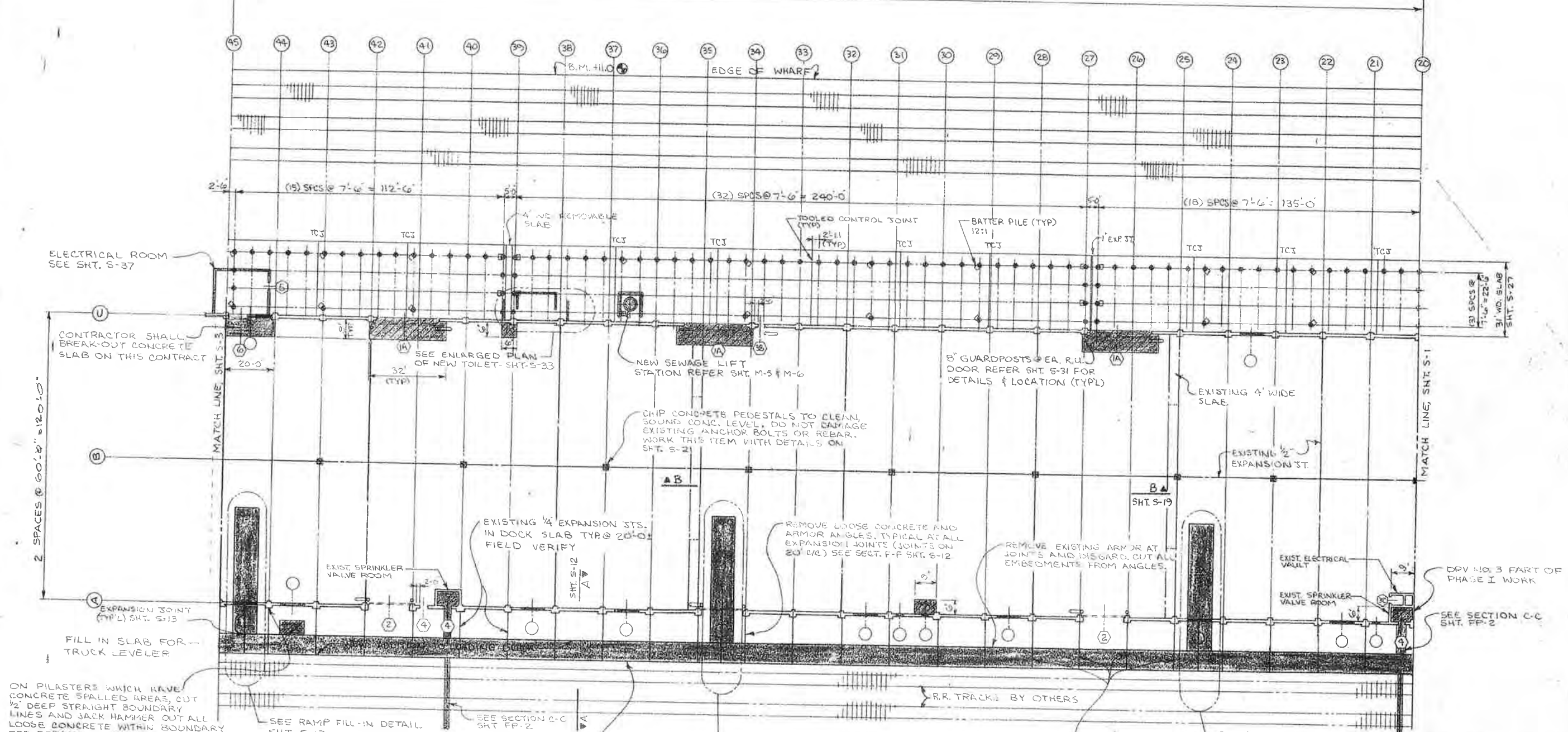
PIER 'B' SOUTH
RENOVATION & REPAIR
PARTIAL FLOOR PLAN

SCALE: 1" = 20'
DATE: 4-21-87
RECOMMENDED:
DRAWN BY: LRH
TRACED BY:
CHECKED BY:

APPROVED: B-10-145-12A

PHASE II

25 SPACES @ 20'-0" = 500'-0"



ON PILASTERS WHICH HAVE CONCRETE SPALLED AREAS, CUT 1/2" DEEP STRAIGHT BOUNDARY LINES AND JACK HAMMER OUT ALL LOOSE CONCRETE WITHIN BOUNDARY FOR REPAIRS. SEE SHT. S-14

NOTES:
 1) FOR LEGEND SEE SHEET S-1
 2) WORK THIS SHEET WITH SHEET S-5

FOR PILING & PILE CAP PLAN UNDER DOCK ADDITION REFER SHT. S-10

10' DOCK WALL, CONST. STS. MAX. OF 40'-0" STAGGER CONC. POURS

FLOOR PLAN — NEW RENOVATION AND REPAIRS
PIER "B" SOUTH
 SCALE: 1" = 20'

NEW DOCK SLAB, STAGGER SLAB POURS CONST. STS. MAX. OF 40'-0". CONTROL JTS. (FORMED OR CUT) AT 20'-0"± MATCH LOCATION OF EXISTING 1/4" DOCK SLAB JOINTS.

REVISED PER CHG. ORDER #2 3-28-88 LRH

ALABAMA STATE DOCKS
 MOBILE, ALABAMA

PIER "B" SOUTH RENOVATION & REPAIR PARTIAL FLOOR PLAN

SCALE: 1" = 20'
 DATE: 4-21-87
 RECOMMENDED:

DRAWN BY: LRH
 TRACED BY:
 CHECKED BY:

APPROVED:

B-10-145-12B

PHASE III

PHASE II

25 SPACES @ 20'-0" = 500'-0"

EDGE OF WHARF

BENCH MARK E. 111.00

EXISTING R.R. TRACKS

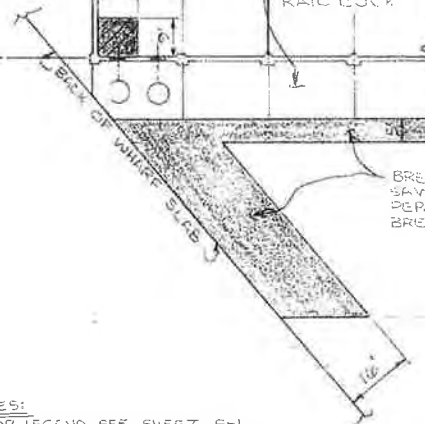
NEW TOILET FACILITIES
SEE SHT. S-33

(25) SPACES @ 7'-6" = 187'-6" (26) SPACES @ 7'-6" = 195'-0" (10) SPACES @ 7'-6" = 75'-0"

NEW TOILET FACILITIES
SEE SHT. S-33

2 SPACES @ 60'-0" = 120'-0"

U
C
B
A



ABANDONED RAIL DOCK

8" GUARDPOST @ EA. R.U. DOOR REFER S-31 FOR DETAILS & LOCATION (TYP)

WHIP CONCRETE PEDESTALS TO CLEAN SOUND CONCR. LEVEL DO A 3" R.F. THE EXISTING ANCHOR BOLTS OR REBAR WORK THIS ITEM WITH DETAILS ON SHT. S-21

EXIST. SPRINKLER VALVE ROOM
SEE LOADING DOCK PLAN N°1 SHT. S-12

EXISTING 4" WIDE SLAB (TYP)

EXISTING 1/2" EXPANSION ST. (TYP)

REMOVE LOOSE CONCRETE AND ARMOR ANGLES, TYPICAL AT ALL EXPANSION JOINTS. (JOINTS ON C/C) SEE SECT. F-F SHT. S-12

REMOVE EXISTING ARMOR AT JOINTS AND DISCARD. CUT ALL EMBEDMENTS FROM ANGLES.

MATCH LINE, SHT. S-2

SEE ENLARGED PLAN OF FOUNDATIONS FOR BUILDING EXPANSION SHEET S-11

ON PILASTERS WHICH HAVE CONCRETE SPALLED AREAS, CUT 1/2" DEEP STRAIGHT BOUNDARY LINES AND JACK HAMMER OUT ALL LOOSE CONCRETE WITHIN BOUNDARY FOR REPAIRS. SEE SHT. S-14

NOTES:
1) FOR LEGEND SEE SHEET S-1
2) WORK THIS SHEET WITH SHEET S-6

FLOOR PLAN — NEW RENOVATION AND REPAIRS

PIER "B" SOUTH

SCALE: 1" = 20'

ALABAMA STATE DOCKS
MOBILE, ALABAMA

PIER "B" SOUTH RENOVATION & REPAIRS PARTIAL FLOOR PLAN

SCALE: 1" = 20'
DATE: 4-20-87
RECOMMENDED:

DRAWN BY: LRH
TRACED BY:
CHECKED BY:

APPROVED:

B-10-145-13B

PHASE III

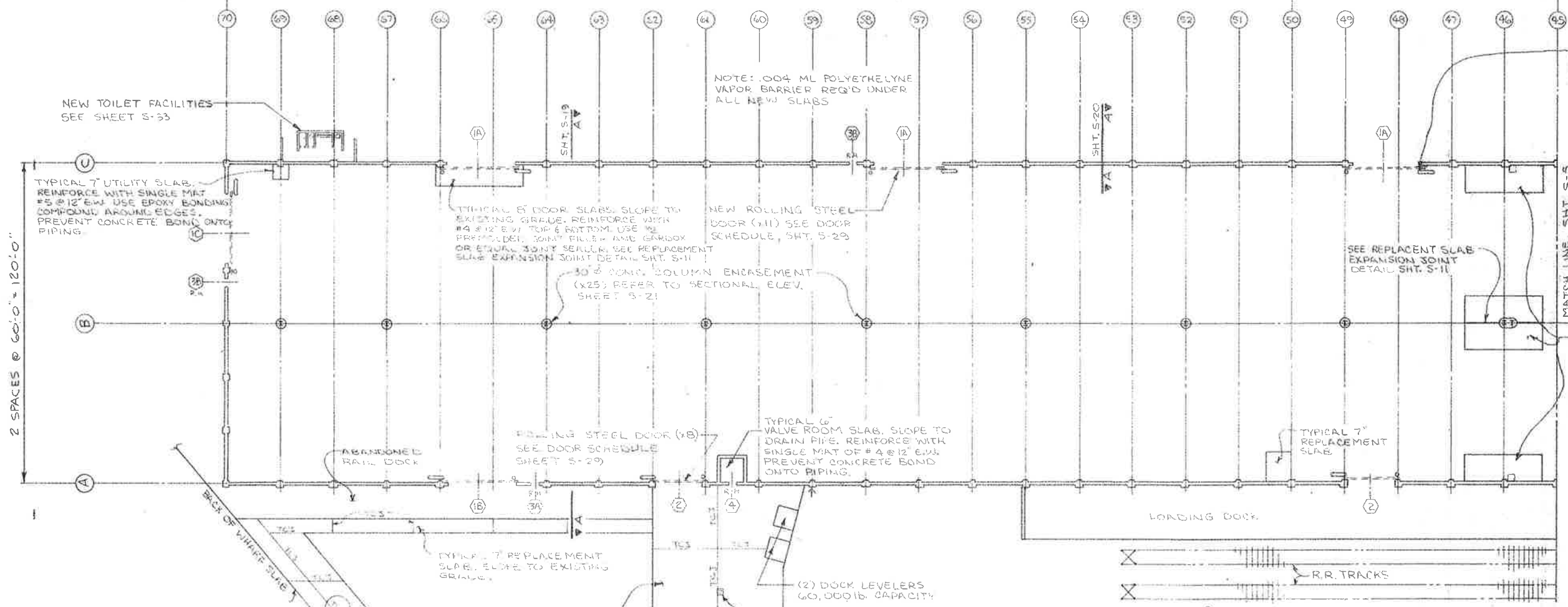
PHASE II

25 SPACES @ 20'-0" = 500'-0"

B.M. +11.0'

EDGE OF WHARF

EXISTING R.R. TRACKS



NOTE: 004 ML POLYETHYLENE VAPOR BARRIER REQ'D UNDER ALL NEW SLABS

8" @ GUARDPOST @ EA. R.U. DOOR REFER S-31 FOR DETAILS & LOCATION (TYPL.)

TYPICAL 7" UTILITY SLAB. REINFORCE WITH SINGLE MAT #5 @ 12" E.W. USE EPOXY BONDING COMPOUND AROUND EDGES. PREVENT CONCRETE BOND ONTO PIPING.

TYPICAL 8" DOOR SLAB. SLOPE TO EXISTING GRADE. REINFORCE WITH #4 @ 12" E.W. TOP & BOTTOM. USE W/ PREPARED JOINT FILLER AND GARDOX OR EQUAL JOINT SEALER. SEE REPLACEMENT SLAB EXPANSION JOINT DETAIL SHT. S-11

NEW ROLLING STEEL DOOR (X11) SEE DOOR SCHEDULE, SHT. S-29

30" CONG. COLUMN ENCASUREMENT (X25) REFER TO SECTIONAL ELEV. SHEET S-21

SEE REPLACEMENT SLAB EXPANSION JOINT DETAIL SHT. S-11

TYPICAL 7" REPLACEMENT SLAB REINFORCE WITH SINGLE MAT #5 @ 12" E.W. USE EPOXY BONDING COMPOUND AROUND EDGES. PREVENT CONCRETE BOND TO PILASTER AND WALL.

ROLLING STEEL DOOR (X8) SEE DOOR SCHEDULE SHEET S-29

TYPICAL 6" VALVE ROOM SLAB. SLOPE TO DRAIN PIPE. REINFORCE WITH SINGLE MAT OF #4 @ 12" E.W. PREVENT CONCRETE BOND ONTO PIPING.

TYPICAL 7" REPLACEMENT SLAB

LOADING DOCK

(2) DOCK LEVELERS 60,000LB CAPACITY

R.R. TRACKS

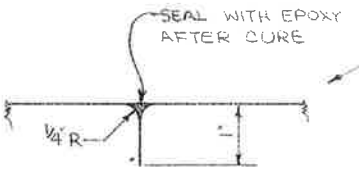
RAMP DOWN

CONC. ROADWAY

NEW MATCH BASIN (6") REQ'D

LOWER EXIST. GRATING TO 3" BELOW EXIST. GRADE.

FLOOR PLAN - FINAL
1" = 20'



ALABAMA STATE DOCKS

MOBILE, ALABAMA

PIER B SOUTH
FINAL
PARTIAL FLOOR PLAN

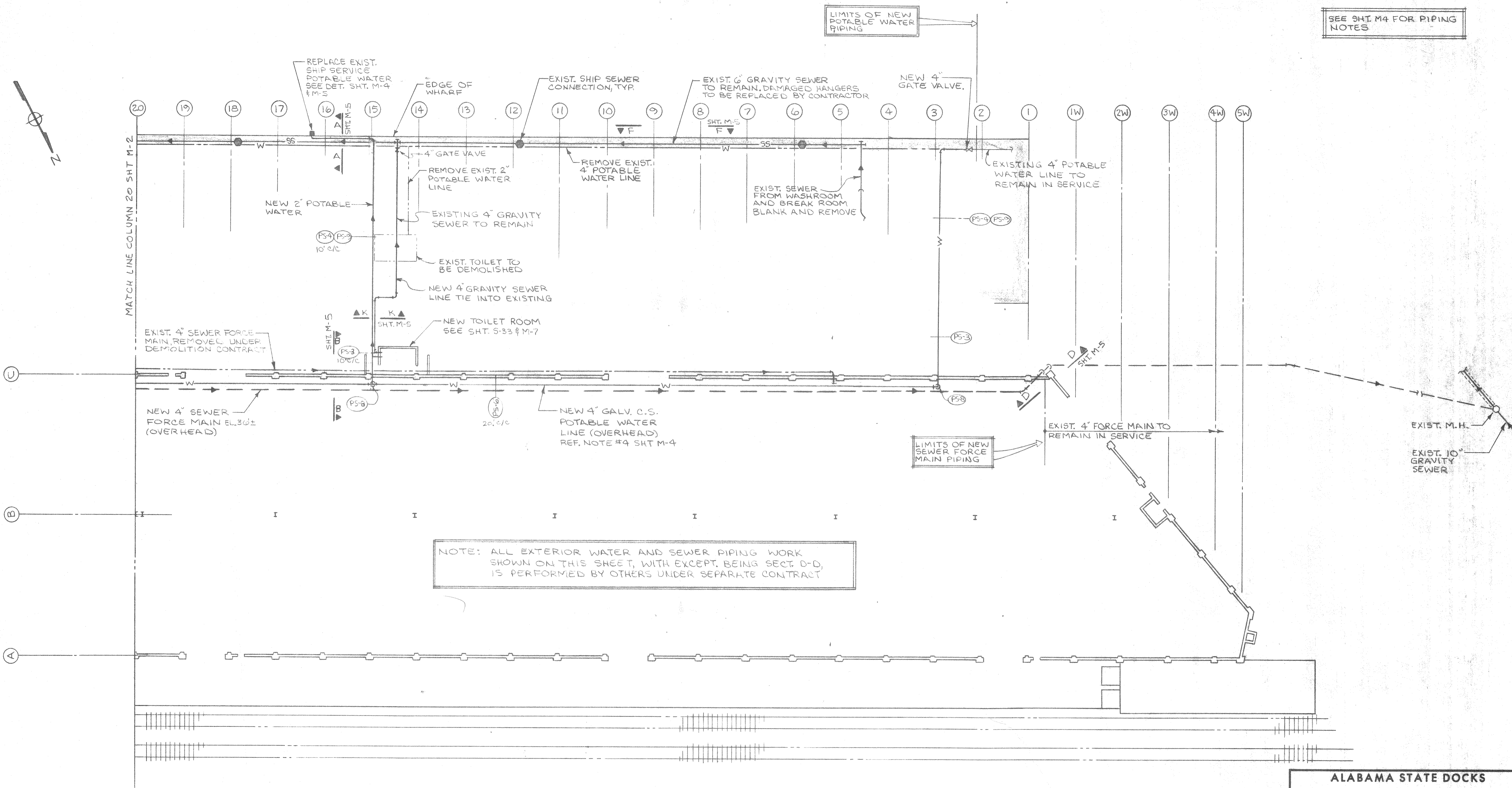
SCALE: 1" = 20'
DATE: 4-22-87
RECOMMENDED:

DRAWN BY: L.R.H.
TRACED BY:
CHECKED BY:

APPROVED:

B-10-145-16

SEE SHT. M4 FOR PIPING NOTES



NOTE: ALL EXTERIOR WATER AND SEWER PIPING WORK SHOWN ON THIS SHEET, WITH EXCEPT, BEING SECT. D-D, IS PERFORMED BY OTHERS UNDER SEPARATE CONTRACT

- LEGEND**
- SS — SANITARY SEWER, GRAVITY
 - — SHIP SEWER CONNECTION
 - — SEWER FORCE MAIN
 - W — POTABLE WATER
 - — SHIP SERVICE CONNECTION (POTABLE WATER)
 - — EXIST. PIPING TO BE REMOVED OR ABANDONED

PARTIAL UTILITY PLAN ~ COL. (20) THRU (5W) (WEST END)
1" = 20'

ALABAMA STATE DOCKS
MOBILE, ALABAMA

**PIER "B" SOUTH REHAB.
MECHANICAL
POTABLE WATER & SEWER LAYOUT**

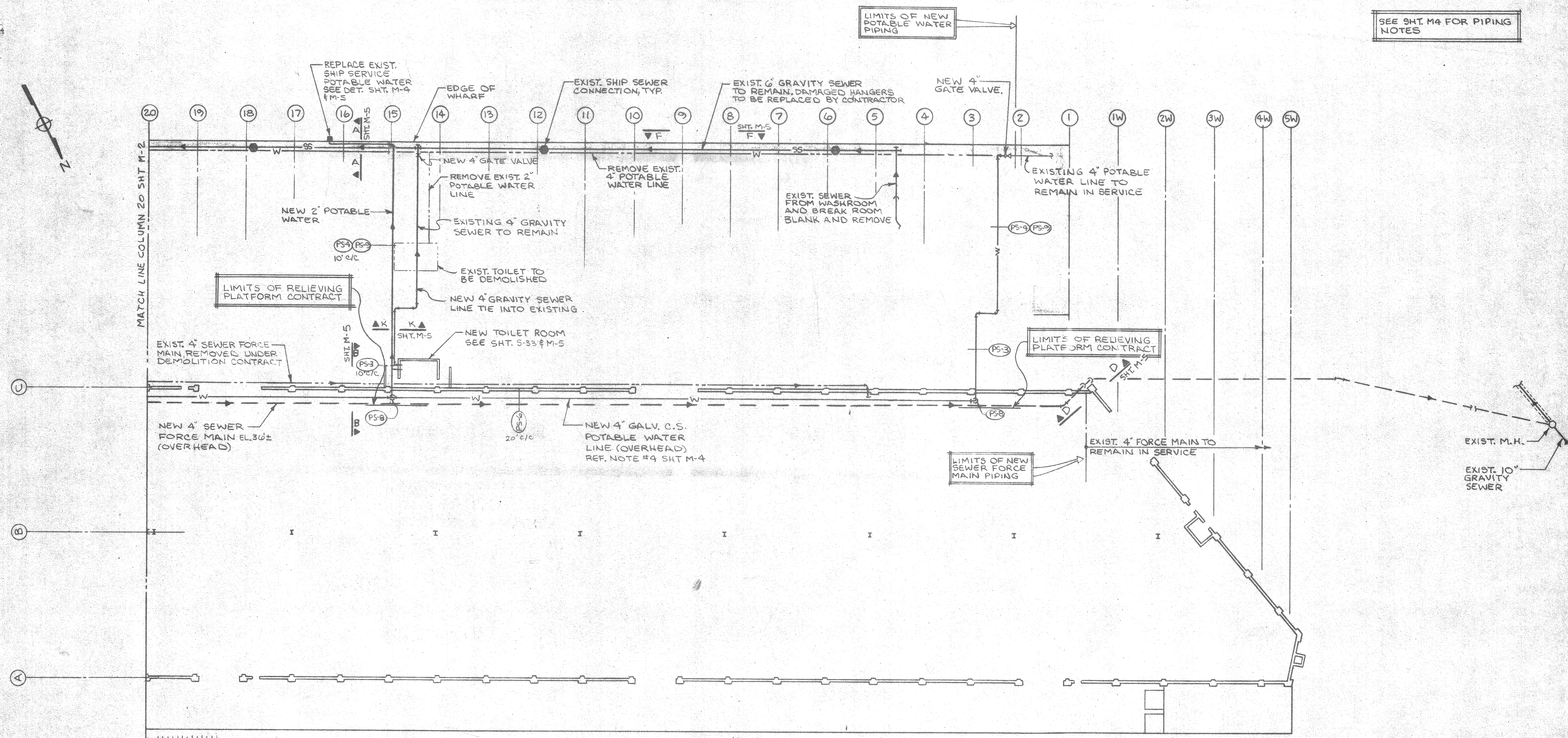
SCALE: 1"=20'
DATE: 7-13-87
RECOMMENDED:

DRAWN BY: L.R.H.
TRACED BY:
CHECKED BY:

APPROVED:

B-10-145-49

SEE SHT M4 FOR PIPING NOTES



PARTIAL UTILITY PLAN - COL. 20 THRU 5W (WEST END)
1" = 20'

- LEGEND**
- SS — SANITARY SEWER, GRAVITY
 - — SHIP SEWER CONNECTION
 - — SEWER FORCE MAIN
 - W — POTABLE WATER
 - — SHIP SERVICE CONNECTION (POTABLE WATER)
 - - - - EXIST. PIPING TO BE REMOVED OR ABANDONED

PIER "B" SOUTH REHABILITATION
PILE SUPPORTED
RELIEVING PLATFORM
ALABAMA STATE DOCKS
MOBILE, ALABAMA
PIER "B" SOUTH REHAB.
MECHANICAL
POTABLE WATER & SEWER LAYOUT

SCALE: 1"=20'
DATE: 7-13-87
RECOMMENDED:

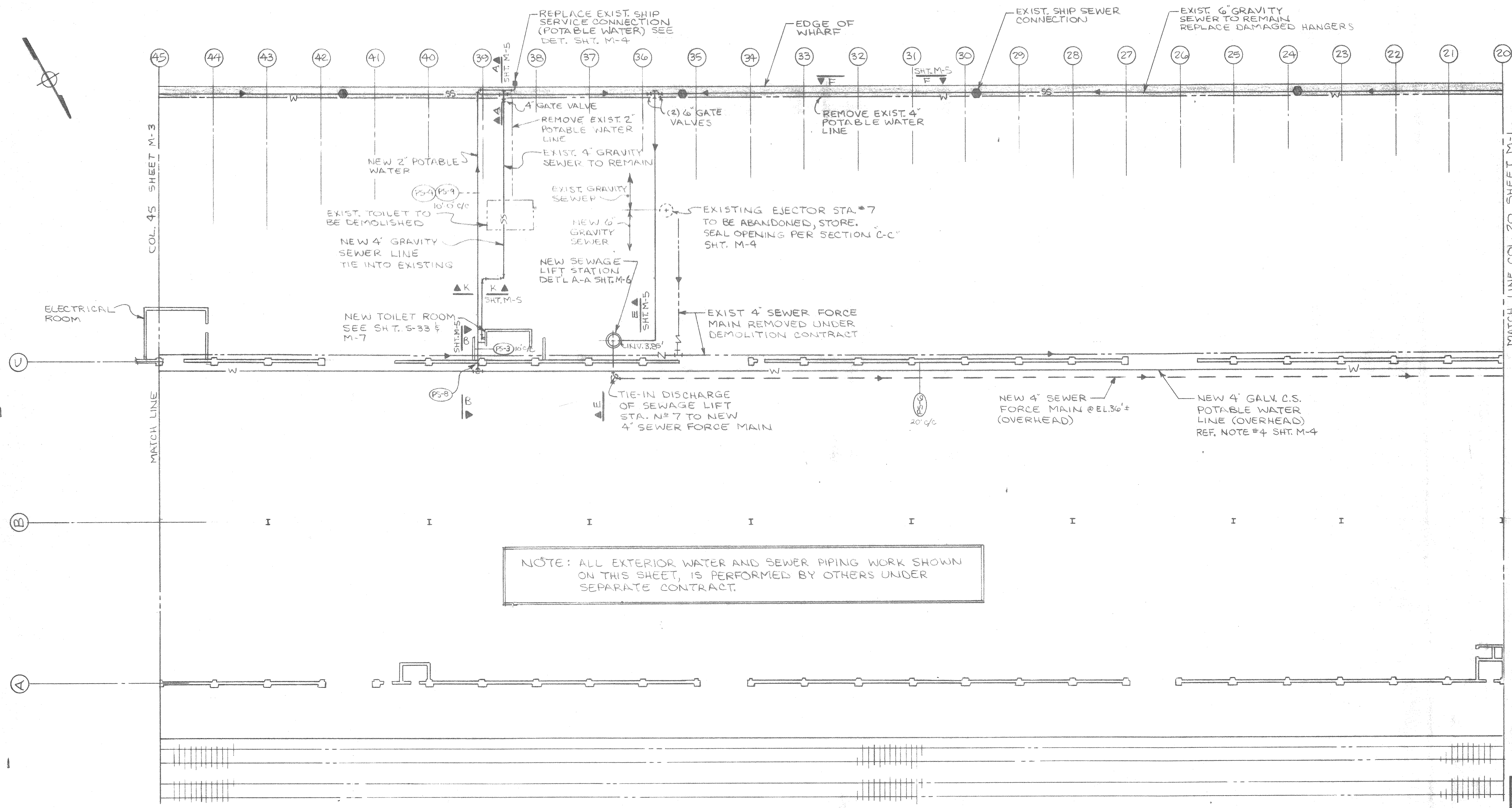
DRAWN BY: LRH
TRACED BY:
CHECKED BY:

APPROVED:

B-10-145-49A

REV. PER ADDENDUM No 1 9/25/87

SEE, SHT. M-4 FOR PIPING NOTES



NOTE: ALL EXTERIOR WATER AND SEWER PIPING WORK SHOWN ON THIS SHEET, IS PERFORMED BY OTHERS UNDER SEPARATE CONTRACT.

- LEGEND**
- SS — SANITARY SEWER, GRAVITY
 - SHIP SEWER CONNECTION
 - SEWER FORCE MAIN
 - W — POTABLE WATER
 - SHIP SERVICE CONNECTION (POTABLE WATER)
 - - - - EXIST. PIPING TO BE REMOVED OR ABANDONED

PARTIAL UTILITY PLAN ~ COL. 20 THRU 45
1" = 20'

ALABAMA STATE DOCKS
MOBILE, ALABAMA

**PIER 'B' SOUTH
MECHANICAL
POTABLE WATER & SEWER LAYOUT**

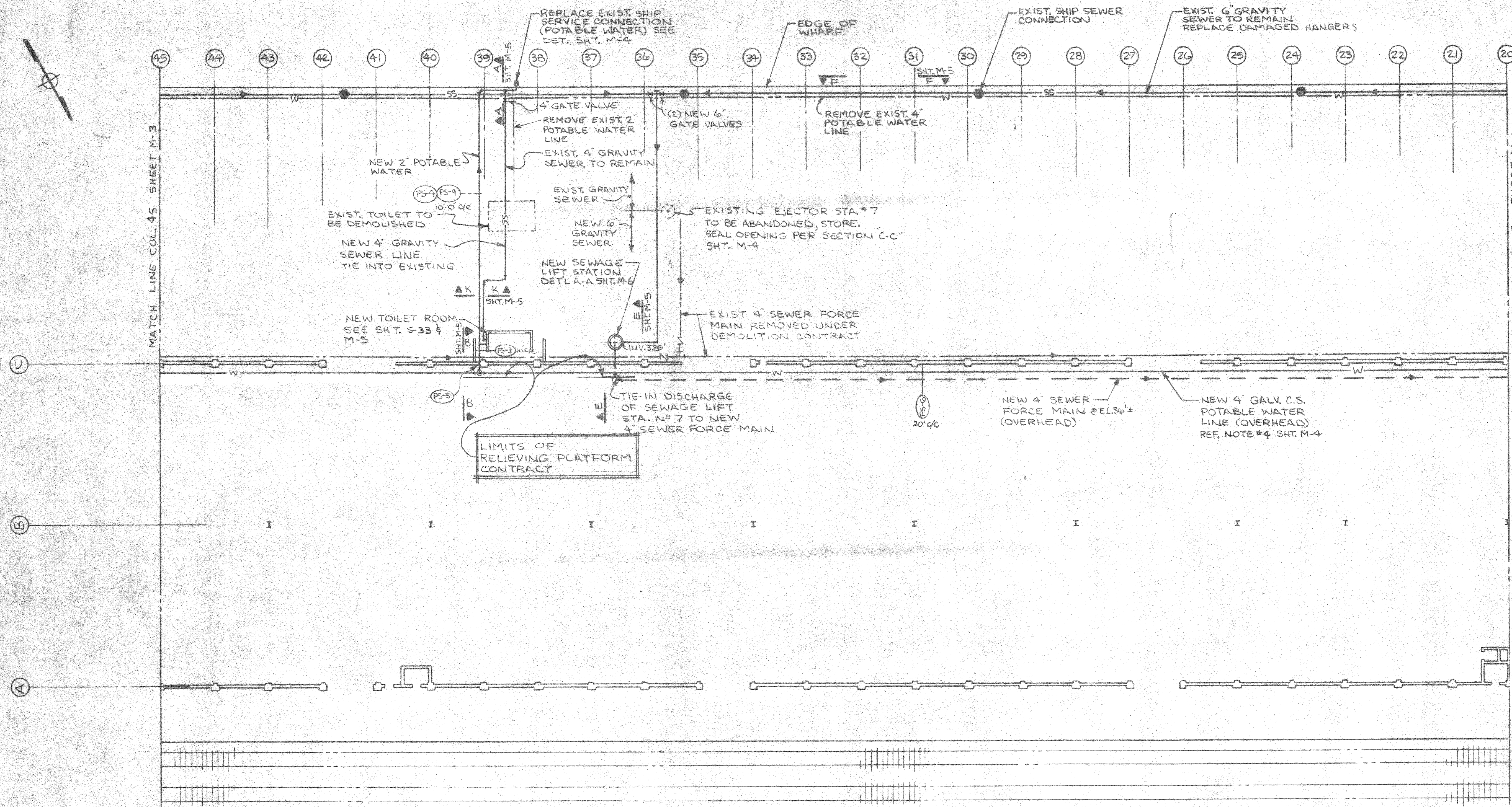
SCALE: 1" = 20'
DATE: 7-14-87
RECOMMENDED:

DRAWN BY: LRH
TRACED BY:
CHECKED BY:

APPROVED:

B-10-145-50

SEE SHT. M4 FOR PIPING NOTES



- LEGEND**
- SS SANITARY SEWER, GRAVITY
 - SHIP SEWER CONNECTION
 - SEWER FORCE MAIN
 - POTABLE WATER
 - SHIP SERVICE CONNECTION (POTABLE WATER)
 - EXIST. PIPING TO BE REMOVED OR ABANDONED

PARTIAL UTILITY PLAN - COL. 20 THRU 45
1" = 20'

PIER "B" SOUTH REHABILITATION
PILE SUPPORTED
RELIEVING PLATFORM

ALABAMA STATE DOCKS

MOBILE, ALABAMA

PIER "B" SOUTH
MECHANICAL
POTABLE WATER & SEWER LAYOUT

SCALE: 1"=20'
DATE: 7-14-87
RECOMMENDED:

DRAWN BY LRH
TRACED BY
CHECKED BY

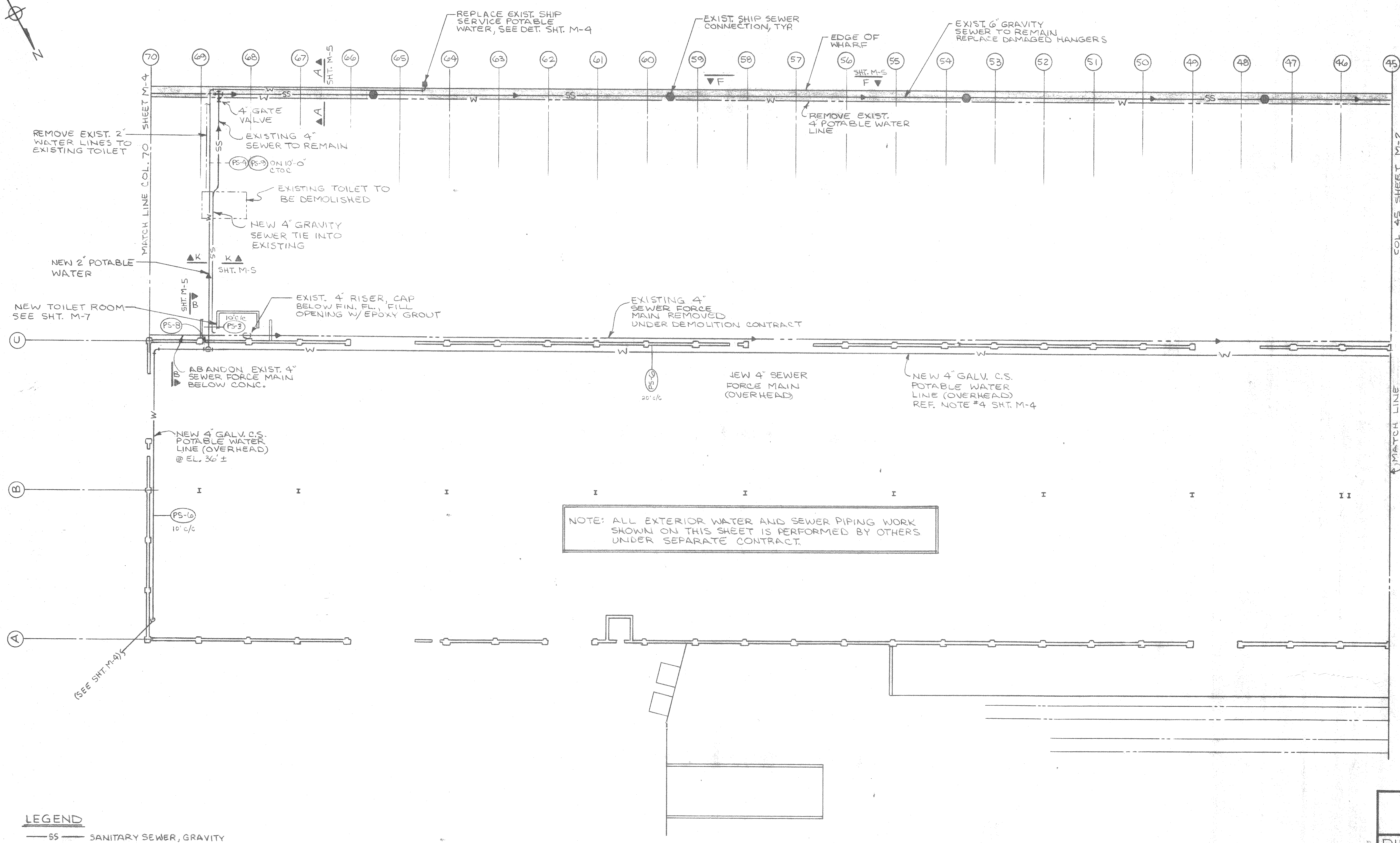
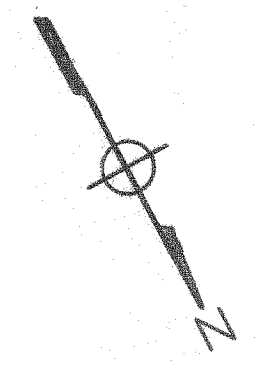
M-2

APPROVED:

B-10-145-50A

REV. PER ADDENDUM NO. 1 9/25/87

SEE SHT. M-4 FOR PIPING NOTES



NOTE: ALL EXTERIOR WATER AND SEWER PIPING WORK SHOWN ON THIS SHEET IS PERFORMED BY OTHERS UNDER SEPARATE CONTRACT.

- LEGEND**
- SS— SANITARY SEWER, GRAVITY
 - SHIP SEWER CONNECTION
 - S— SEWER FORCE MAIN
 - W— POTABLE WATER
 - |— SHIP SERVICE CONNECTION (POTABLE WATER)
 - EXIST. PIPING TO BE REMOVED OR ABANDONED

PARTIAL UTILITY PLAN ~ BLDG COL. 70 THRU 45
1" = 20'

ALABAMA STATE DOCKS
MOBILE, ALABAMA

PIER "B" SOUTH MECHANICAL
POTABLE WATER & SEWER LAYOUT

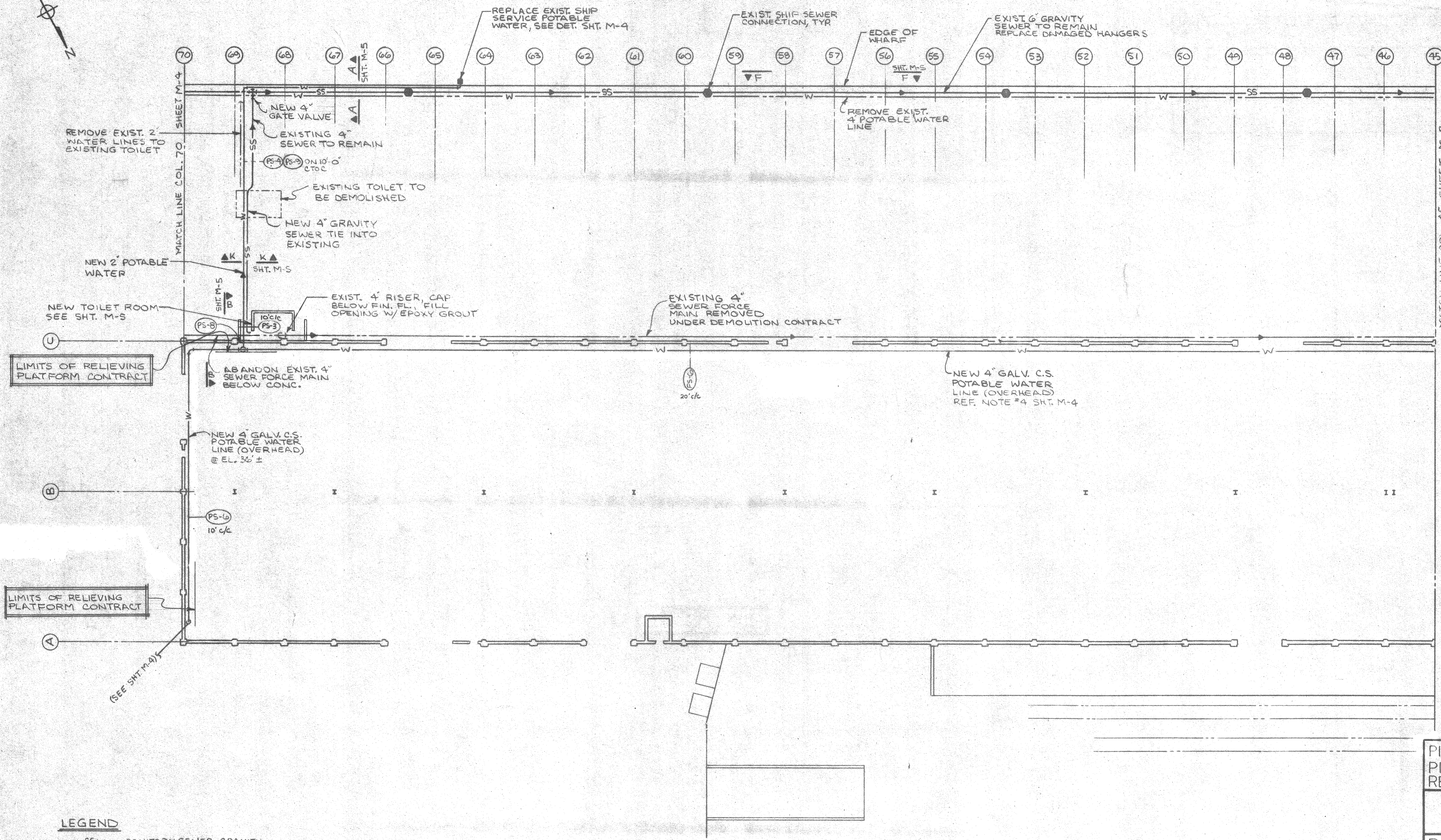
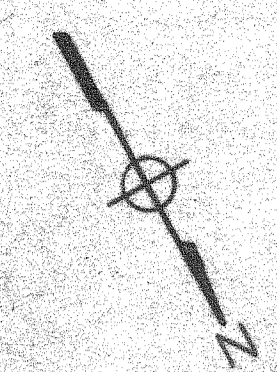
SCALE: 1"=20'
DATE: 7-14-87
RECOMMENDED:

DRAWN BY: LRH
TRACED BY:
CHECKED BY:

APPROVED:

B-10-145-51

SEE SHT. M-4 FOR PIPING NOTES



LEGEND

- SS— SANITARY SEWER, GRAVITY
- SHIP SEWER CONNECTION
- SEWER FORCE MAIN
- W— POTABLE WATER
- SHIP SERVICE CONNECTION (POTABLE WATER)
- EXIST. PIPING TO BE REMOVED OR ABANDONED

PARTIAL UTILITY PLAN ~ BLDG COL. 70 THRU 45

1" = 20'

PIER "B" SOUTH REHABILITATION
 PILE SUPPORTED
 RELIEVING PLATFORM
 ALABAMA STATE DOCKS

MOBILE, ALABAMA
 PIER "B" SOUTH
 MECHANICAL
 POTABLE WATER & SEWER LAYOUT

SCALE: 1"=20'
 DATE: 7-14-87
 RECOMMENDED:

DRAWN BY: LRH
 TRACED BY:
 CHECKED BY:

APPROVED:

B-10-145-51A

REV. PER ADDENDUM NO 1 9/25/87

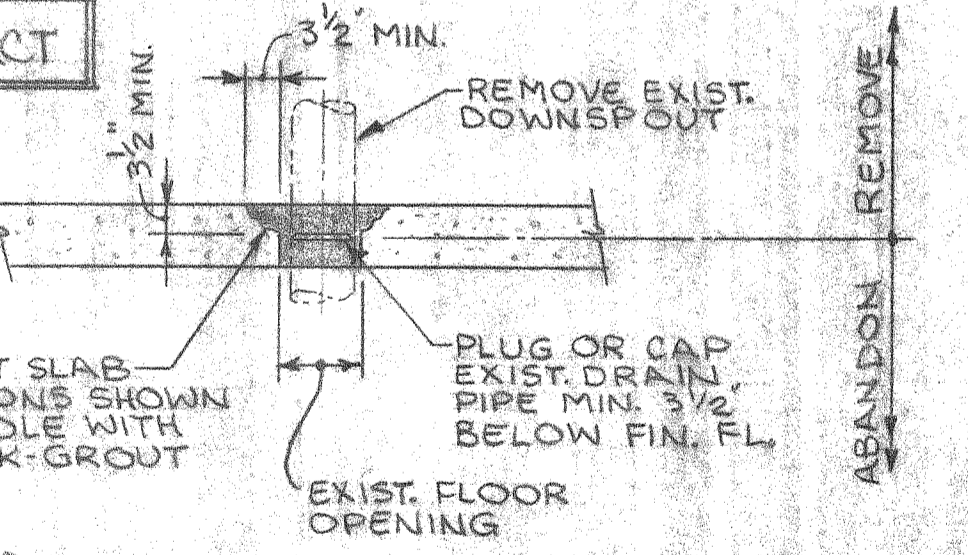
MECHANICAL NOTES:

1. GENERAL SCOPE:

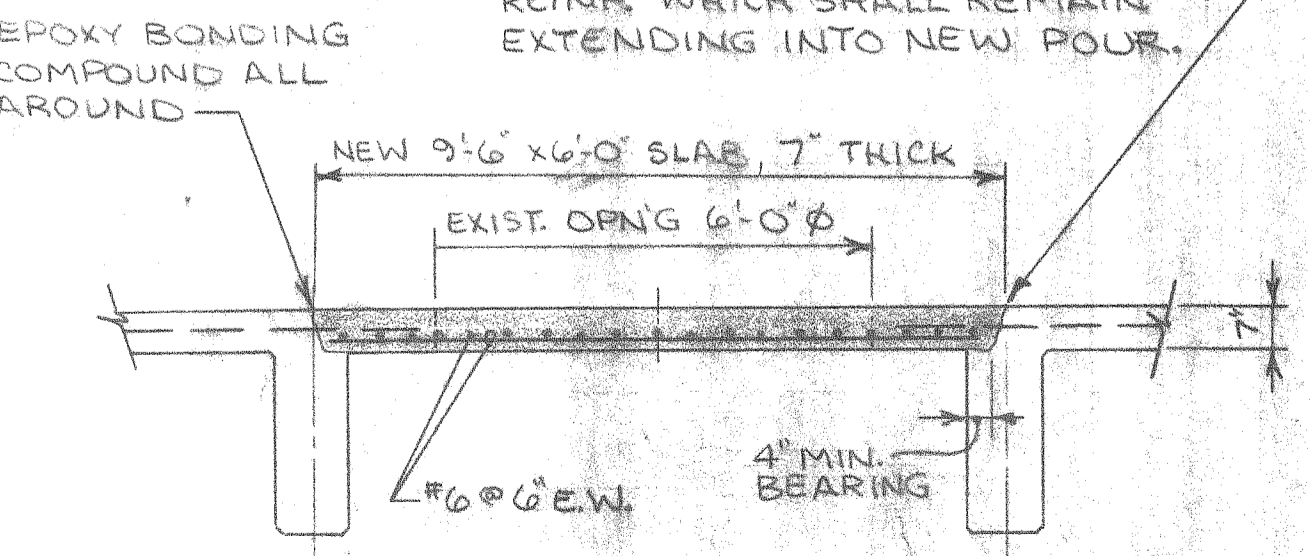
- b. PROVIDE NEW 4" SEWER FORCE MAIN FROM RELOCATED EJECTOR STA. N#7 TO TIE IN POINT W/ EXIST. U.G. FORCE MAIN AT WEST END OF BLD'G.
 - * c. REMOVE EXIST. 4" SEWER FORCE MAIN AND APPURTENANCES.
 - d. PROVIDE NEW 4" LINE INSIDE BLD'G.
 - * e. PROVIDE PLUMBING TO NEW TOILET ROOMS.
 - f. UPGRADE EXIST. FIRE WATER MAINS AND FIRE PROTECTION SYSTEM, INSTALL NEW SPRINKLER SYSTEM IN RENOVATED WAREHOUSE. REFER TO SHEETS FP-1 THRU FP-2 FOR PLANS AND DETAILS.
2. ALL NEW PIPE AND FITTINGS FOR MODIFICATIONS TO EXIST. 6" GRAVITY SEWER ALONG WHARF PERIMETER SHALL BE DUCTILE IRON WITH MECHANICAL JOINT ENDS. ALL NEW SOIL WASTE AND VENT PIPING 4" AND SMALLER SHALL BE CAST IRON SOIL PIPE WITH COMPRESSION JOINT FITTINGS (THE CONTRACTOR MAY AT HIS OPTION, SUBSTITUTE PVC FOR VENT PIPING ABOVE THE FLOOR LINE.)
 3. ALL SEWER FORCE MAIN PIPING AND FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT WITH RETAINER GLANDS, USED PIPING FROM ASD STOCK WILL BE MADE AVAILABLE FOR CONTRACTOR'S USE. CONTRACTOR TO FURN. NEW GASKETS & FITTINGS.
 4. ALL NEW POTABLE WATER PIPING SHALL BE GALVANIZED CARBON STEEL, SCREWED PIPE AND FITTINGS; INSULATE WITHIN WAREHOUSE PER SPEC'S.
 5. REFER TO SPEC'S FOR ADDITIONAL PIPING REQUIREMENTS; ALL PIPING SHALL BE TESTED IN ACCORDANCE WITH THE SPECIFICATIONS.
 6. VALVES ARE TO BE SAME SIZE AS LINE SHOWN UNLESS NOTED OTHERWISE. FIELD DETERMINE POSITION OF ALL VALVE OPERATORS FOR ACCESSIBILITY.
 7. THESE DRAWINGS DO NOT PURPORT TO SHOW IN COMPLETE DETAIL ALL EXISTING STRUCTURES AND UTILITIES NOR ALL MISCELLANEOUS ITEMS OF WORK AS NECESSARY TO COMPLETE THE WORK AS INTENDED; THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR MAKING CONNECTIONS OF ALL NEW PIPING TO EXISTING PIPING; THIS INCLUDES COORDINATING TURNING OFF OR ON SERVICE, PREVENTING CONTAMINATION OF LINES AND REPAIRING ANY DAMAGE RESULTING FROM CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL FURNISH AND INSTALL EXTRA PIPE FITTINGS, HANGERS, ETC. TO AFFORD PROPER PIPE CLEARANCES AND ALIGNMENT WHERE NECESSARY AT NO ADDITIONAL COST TO THE OWNER.
 - * 8. PIPING AND VALVES TO BE "STORED" SHALL BE CLEANED AND STOCKPILED IN AN AREA DESIGNATED BY THE OWNER AND SHALL REMAIN THE PROPERTY OF THE OWNER. PIPING AND VALVES TO BE "WASTED" SHALL BE REMOVED FROM ASD PROPERTY. "STORED" AND "WASTED" ITEMS SHALL BE AS SCHEDULED BELOW. THIS SCHEDULE, HOWEVER, SHALL BE SUBJECT TO THE FINAL DECISION OF ASD. PROJECT INSPECTOR AT ACTUAL TIME OF REMOVAL.

ITEM	STORE	WASTE
SOIL, WASTE AND VENT PIPE & FITTINGS		●
SEWER FORCE MAIN PIPE & FITTINGS	●	
SEWER FORCE MAIN VALVES	●	
POTABLE WATER PIPING & FITTINGS		●
POTABLE WATER VALVES	●	
ALL HANGERS & SUPPORTS		●

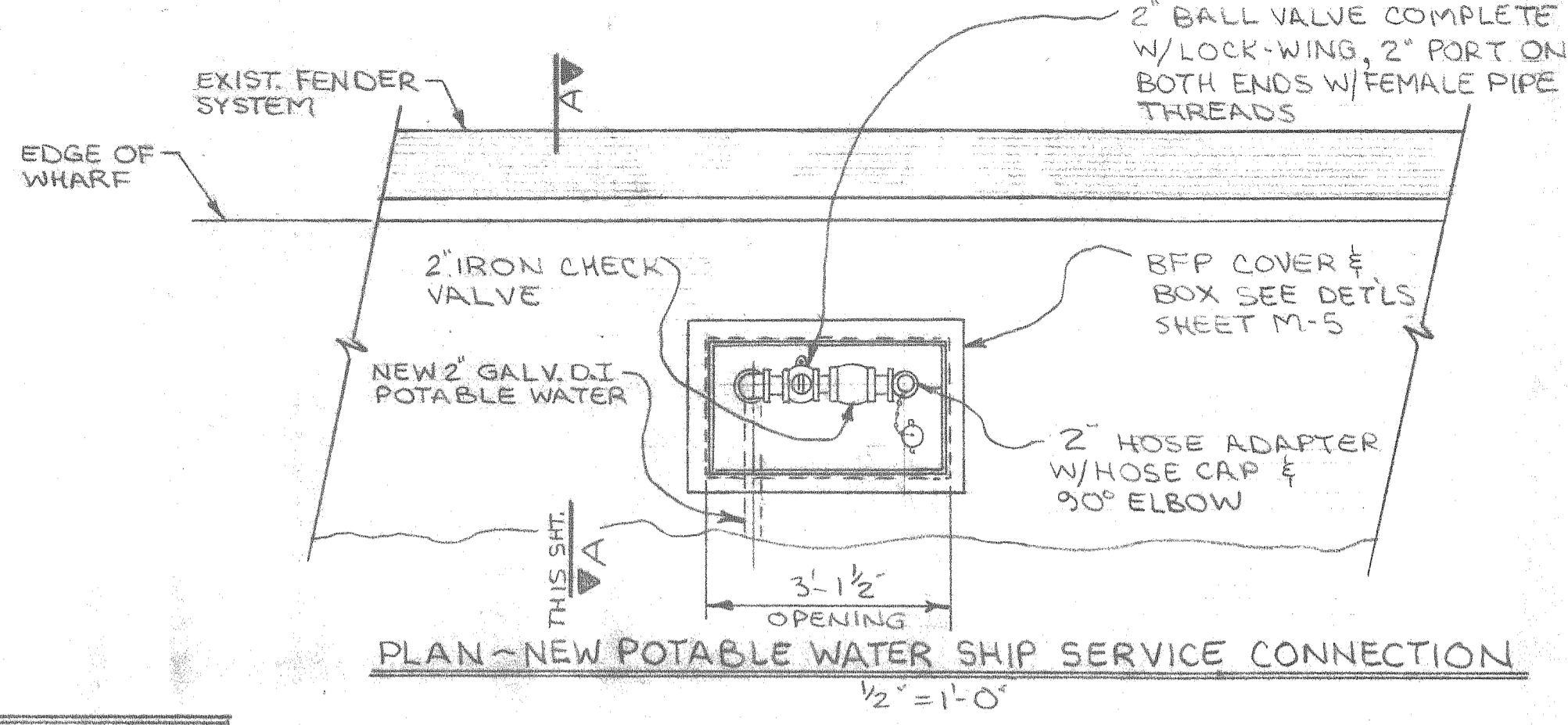
*** NOT PART OF THIS CONTRACT**



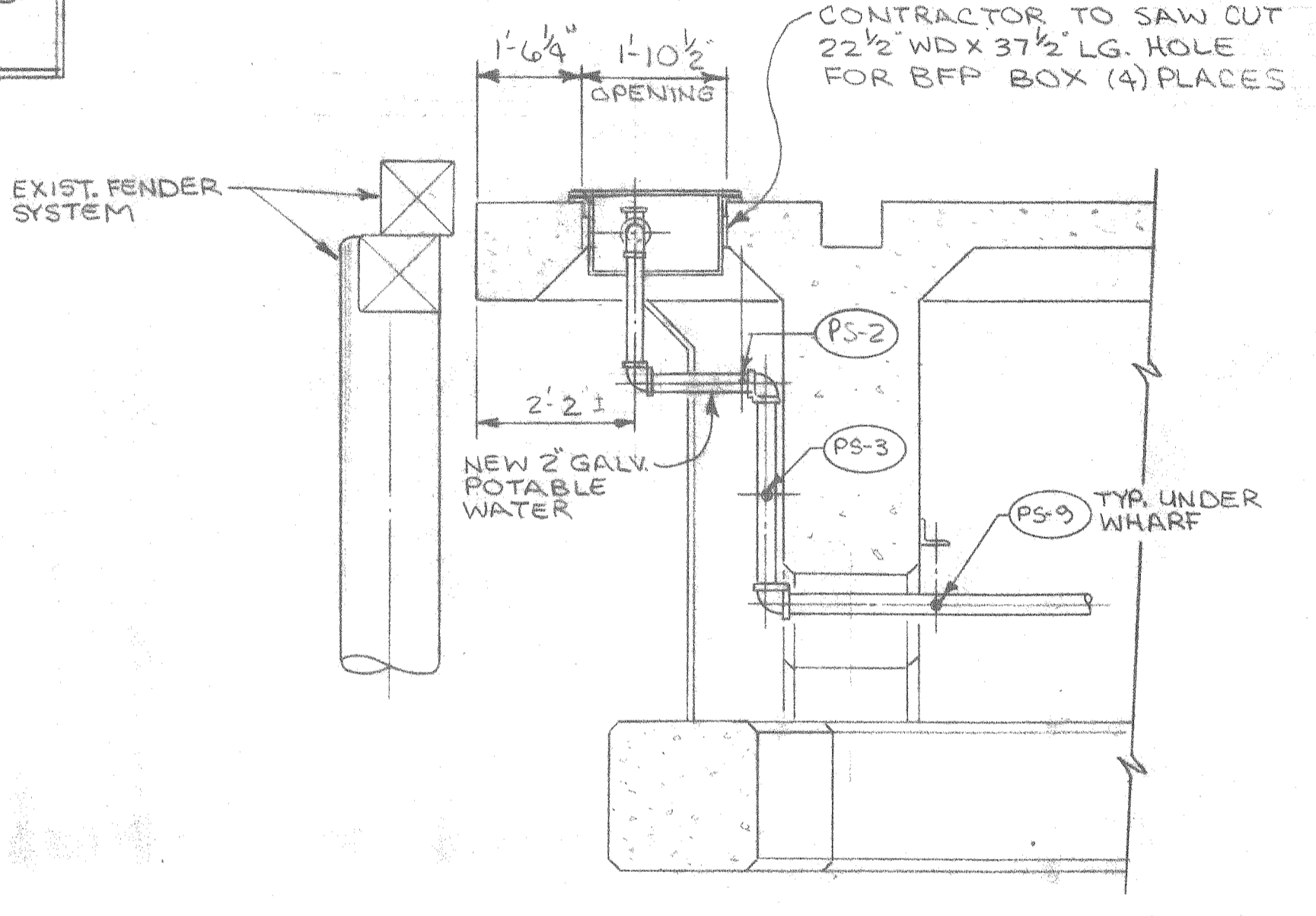
1" DP. SAW CUT AROUND PERIMETER. DO NOT CUT OR BURN ANY EXIST. REIN. WHICH SHALL REMAIN EXTENDING INTO NEW POUR.



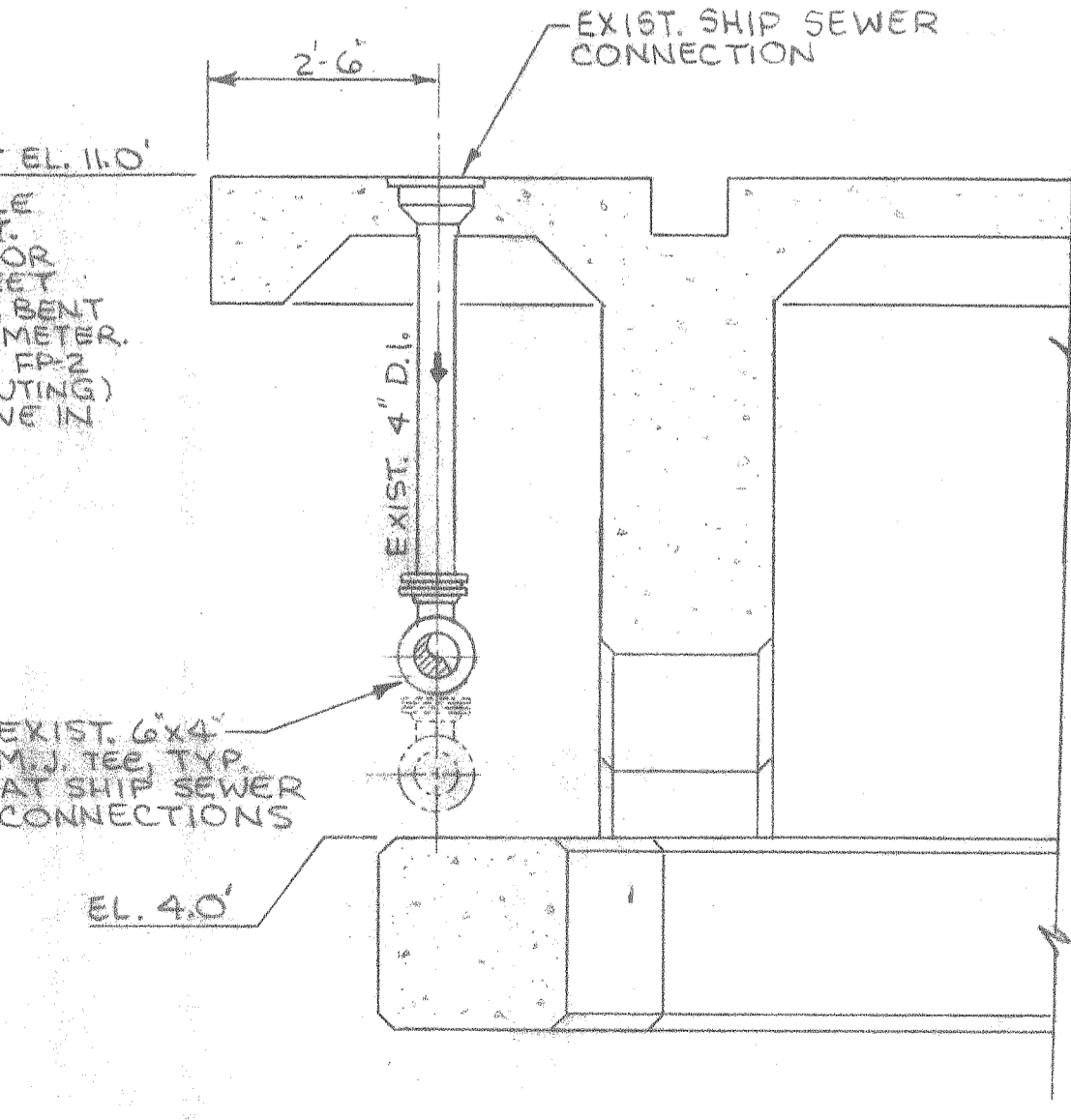
SECTION C-C
3/8" = 1'-0"



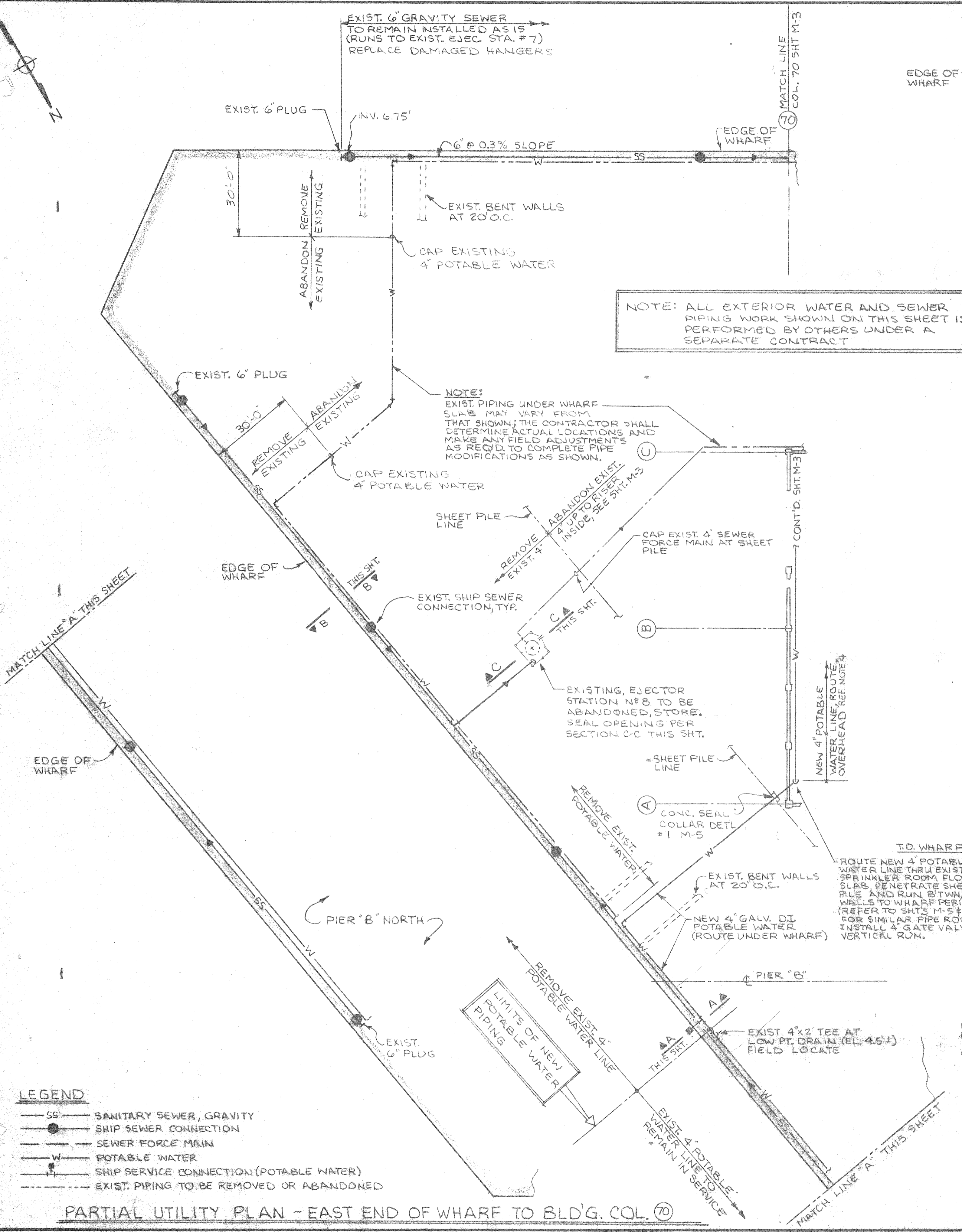
PLAN - NEW POTABLE WATER SHIP SERVICE CONNECTION
1/2" = 1'-0"



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



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



NOTE: ALL EXTERIOR WATER AND SEWER PIPING WORK SHOWN ON THIS SHEET IS PERFORMED BY OTHERS UNDER A SEPARATE CONTRACT

NOTE: EXIST. PIPING UNDER WHARF SLABS MAY VARY FROM THAT SHOWN; THE CONTRACTOR SHALL DETERMINE ACTUAL LOCATIONS AND MAKE ANY FIELD ADJUSTMENTS AS REQ'D. TO COMPLETE PIPE MODIFICATIONS AS SHOWN.

EXISTING, EJECTOR STATION N#8 TO BE ABANDONED, STORE. SEAL OPENING PER SECTION C-C THIS SHT.

ROUTE NEW 4" POTABLE WATER LINE THRU EXIST. SPRINKLER ROOM FLOOR SLAB. PENETRATE SHEET PILE AND RUN BTWN BENT WALLS TO WHARF PERIMETER. (REFER TO SHTS M-5 & FP-2 FOR SIMILAR PIPE ROUTING) INSTALL 4" GATE VALVE IN VERTICAL RUN.

- LEGEND**
- SS - SANITARY SEWER, GRAVITY
 - - SHIP SEWER CONNECTION
 - - SEWER FORCE MAIN
 - W - POTABLE WATER
 - - SHIP SERVICE CONNECTION (POTABLE WATER)
 - - - - EXIST. PIPING TO BE REMOVED OR ABANDONED

PARTIAL UTILITY PLAN - EAST END OF WHARF TO BLD'G. COL. 70

ALABAMA STATE DOCKS
MOBILE, ALABAMA

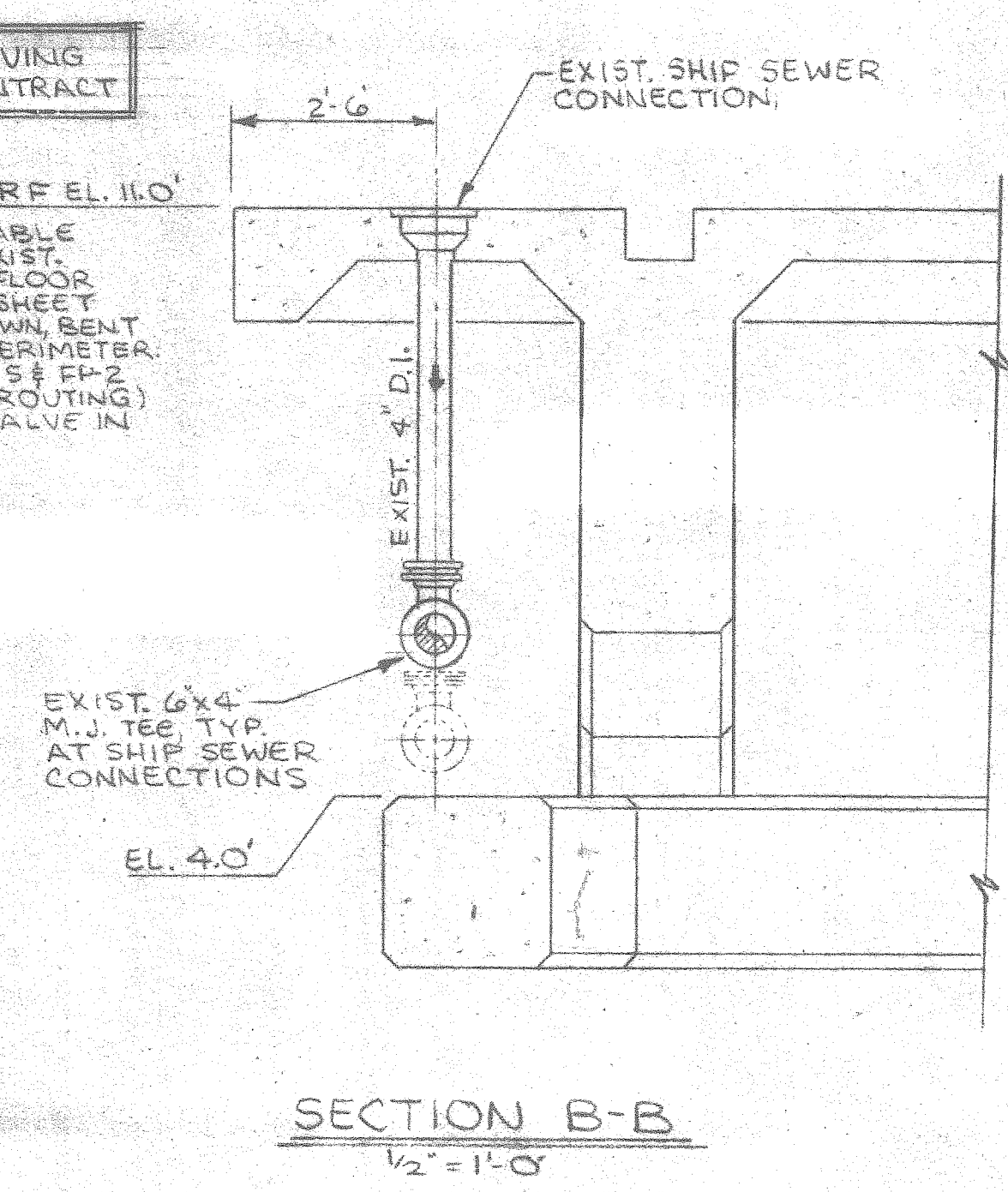
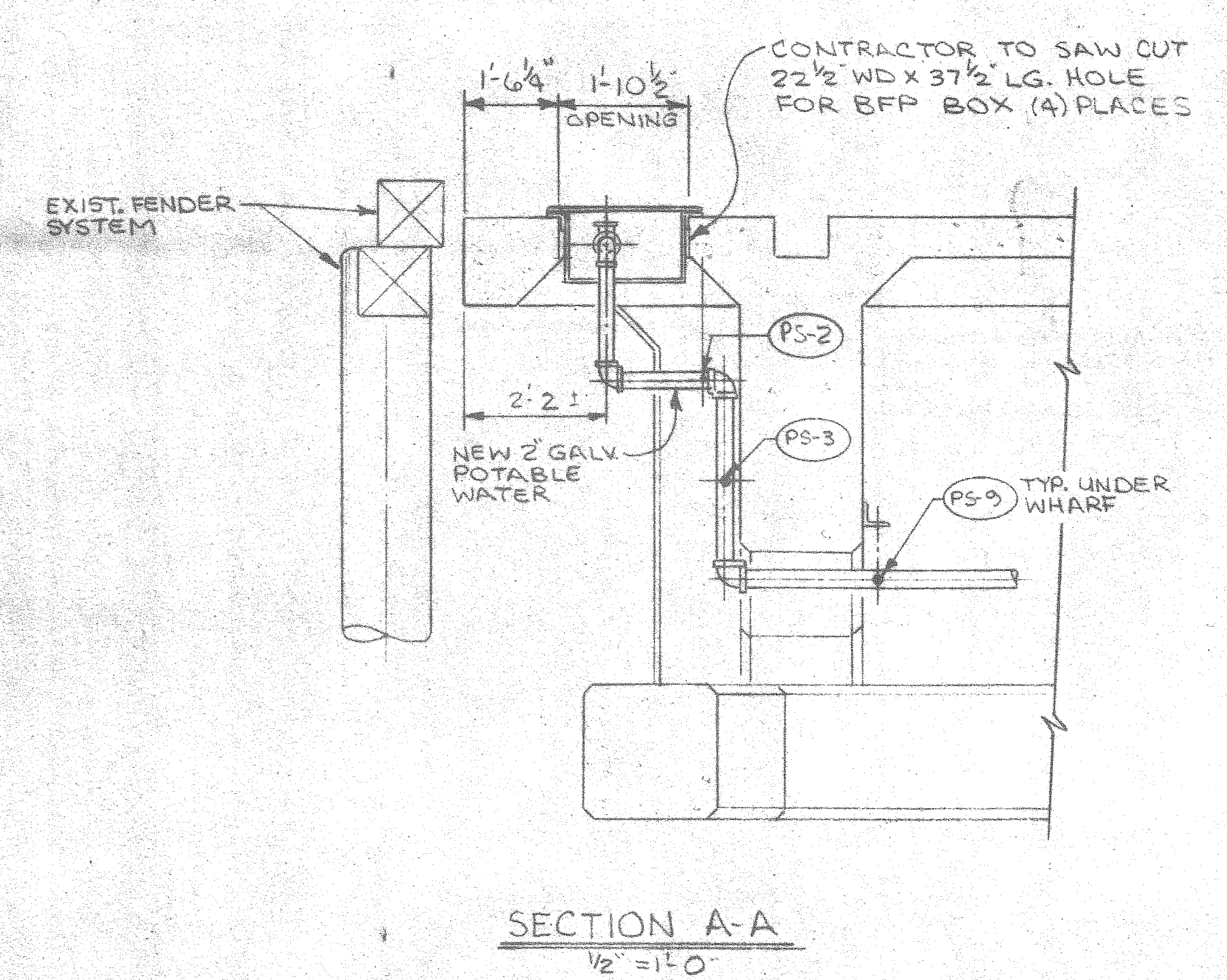
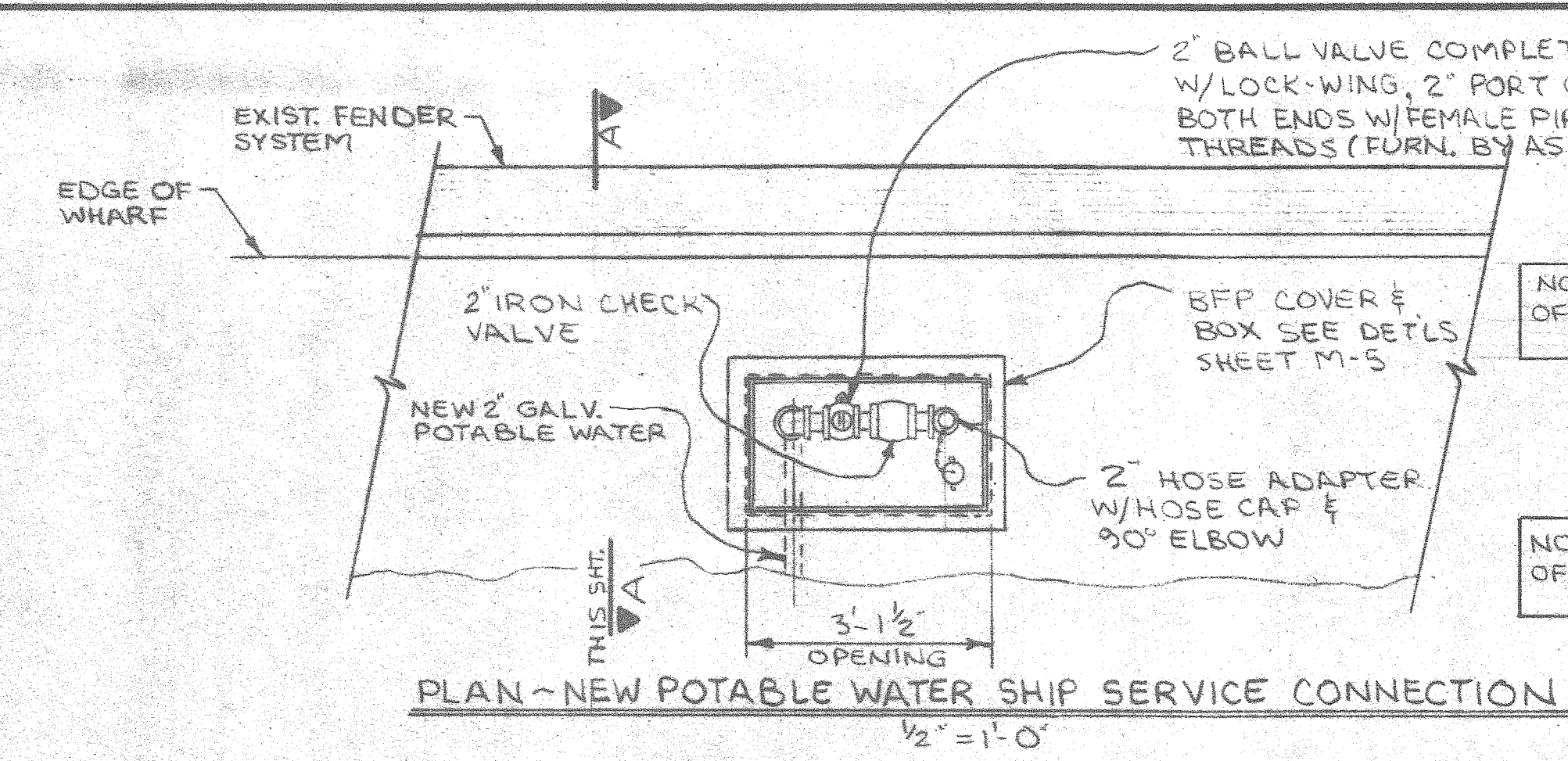
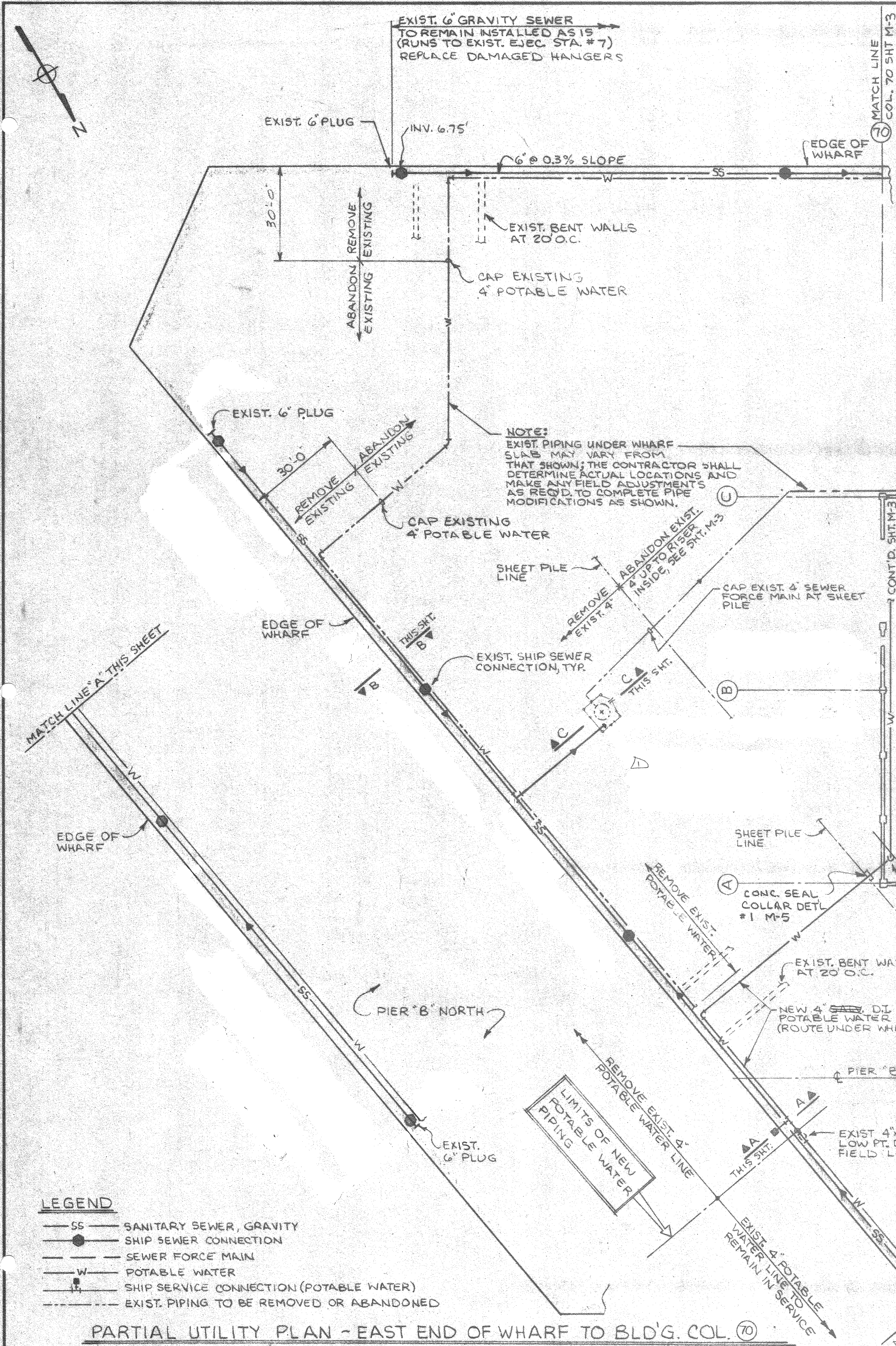
PIER "B" SOUTH MECHANICAL POTABLE WATER & SEWER LAYOUT

SCALE: 1" = 20'
DATE: 7-15-87
RECOMMENDED:

DRAWN BY: LRH
TRACED BY:
CHECKED BY:

APPROVED:

B-10-145-52



- MECHANICAL NOTES:**
1. GENERAL SCOPE:
- NOT PART OF CONTRACT b. PROVIDE NEW 4" SEWER FORCE MAIN FROM RELOCATED EJECTOR STA. #7 TO TIE-IN POINT W/EXIST. U.G. FORCE MAIN AT WEST END OF BLD'G.
 - c. REMOVE EXIST. 4" SEWER FORCE MAIN AND APPURTENANCES.
 - d. REMOVE EXIST. 4" POTABLE WATER LINE ALONG WHARF PERIMETER; PROVIDE NEW 4" LINE INSIDE BLD'G.
 - e. PROVIDE PLUMBING TO NEW TOILET ROOMS.
 - NOT PART OF CONTRACT f. UPGRADE EXIST. FIRE WATER MAINS AND FIRE PROTECTION SYSTEM; INSTALL NEW SPRINKLER SYSTEM IN RENOVATED WAREHOUSE. REFER TO SHEETS FP-1 THRU FP-2 FOR PLANS AND DETAILS.

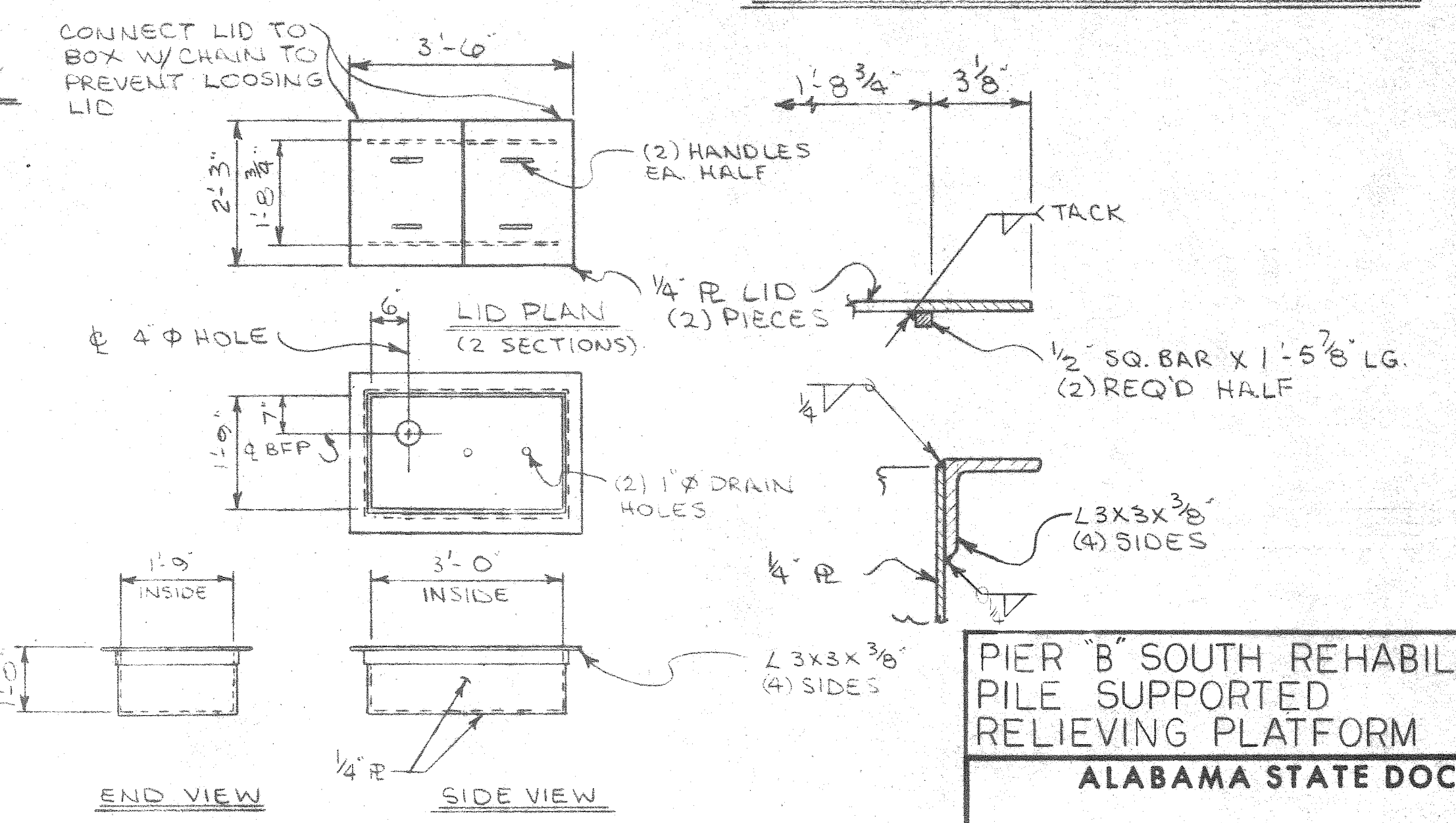
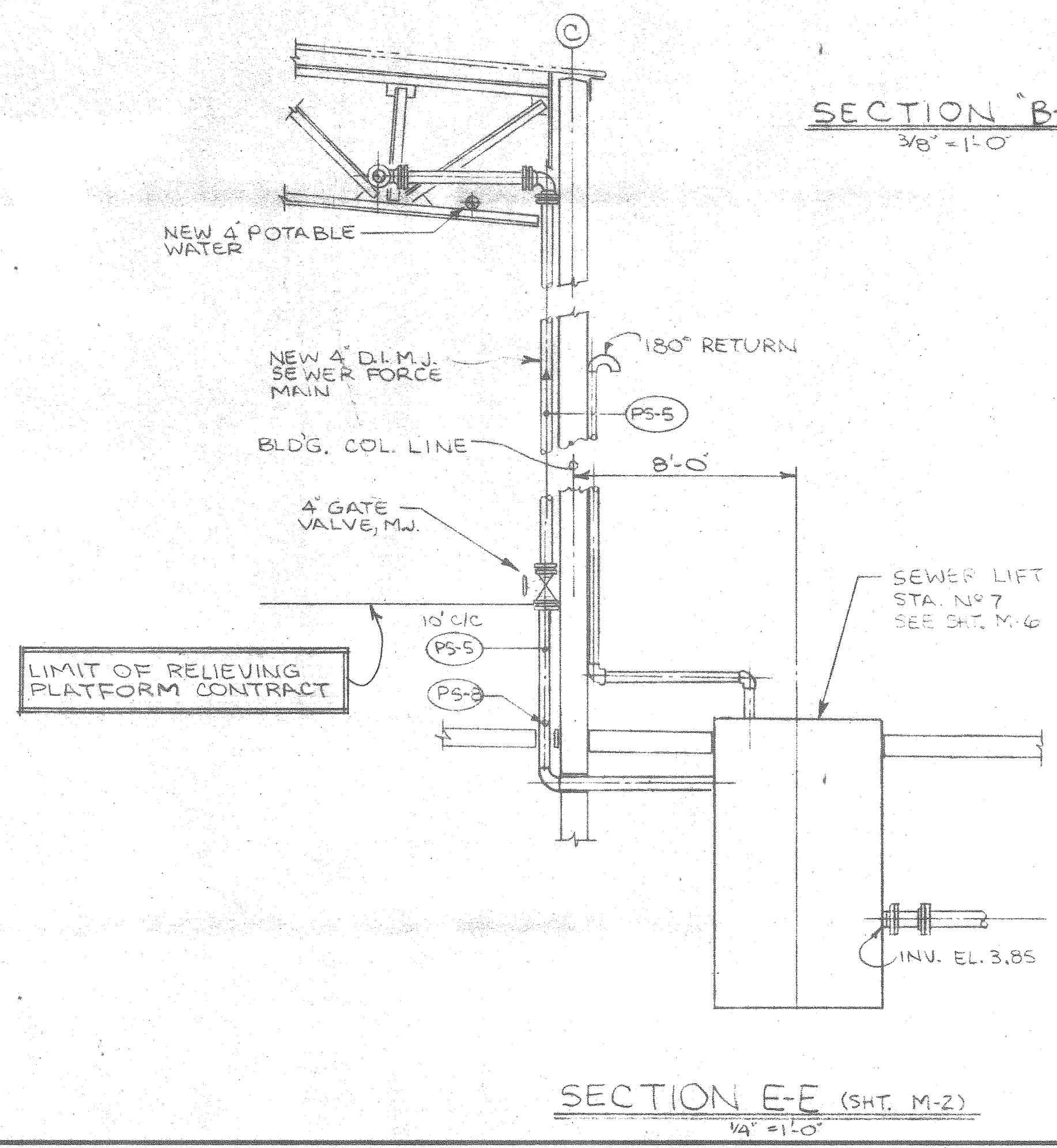
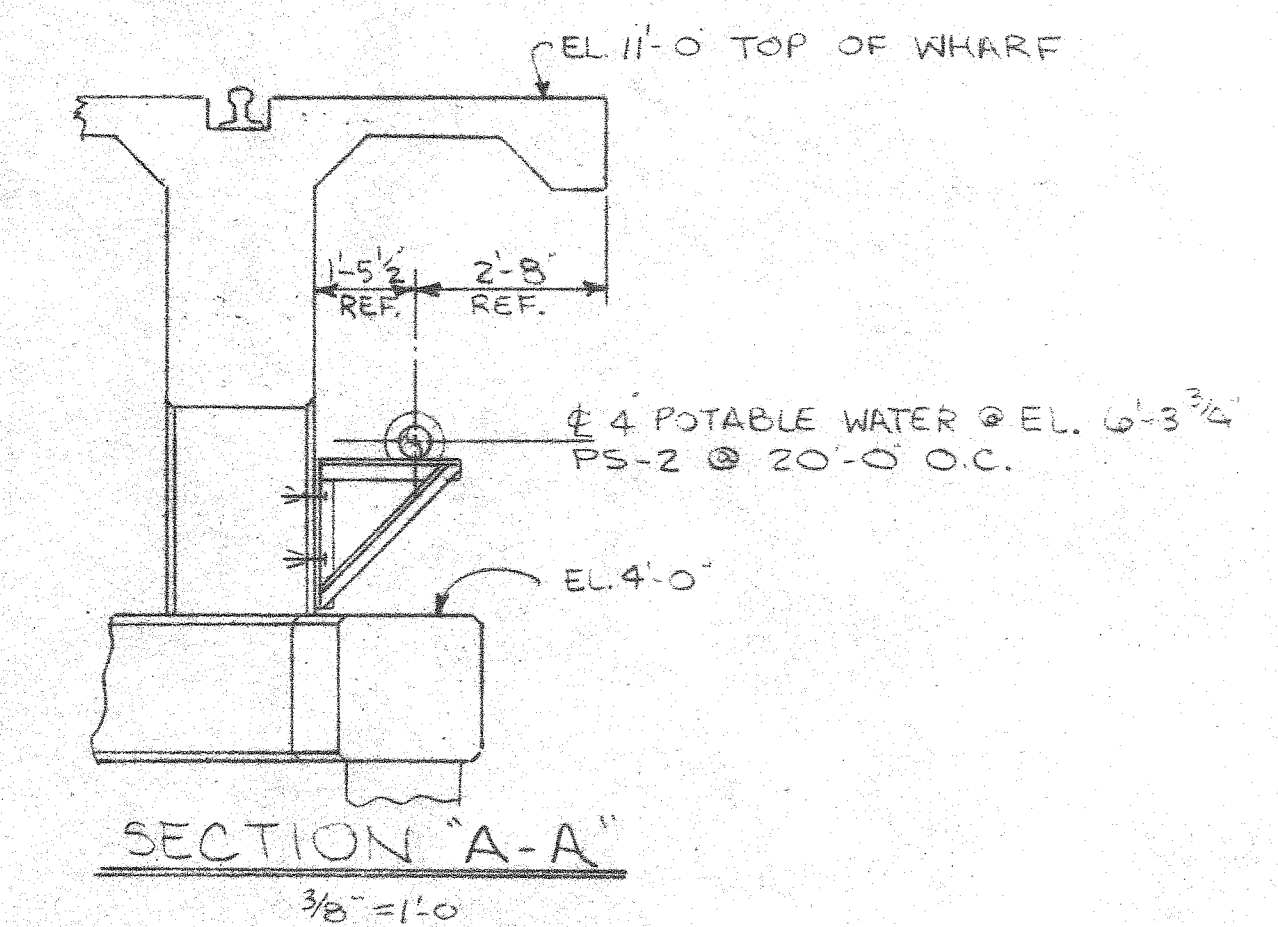
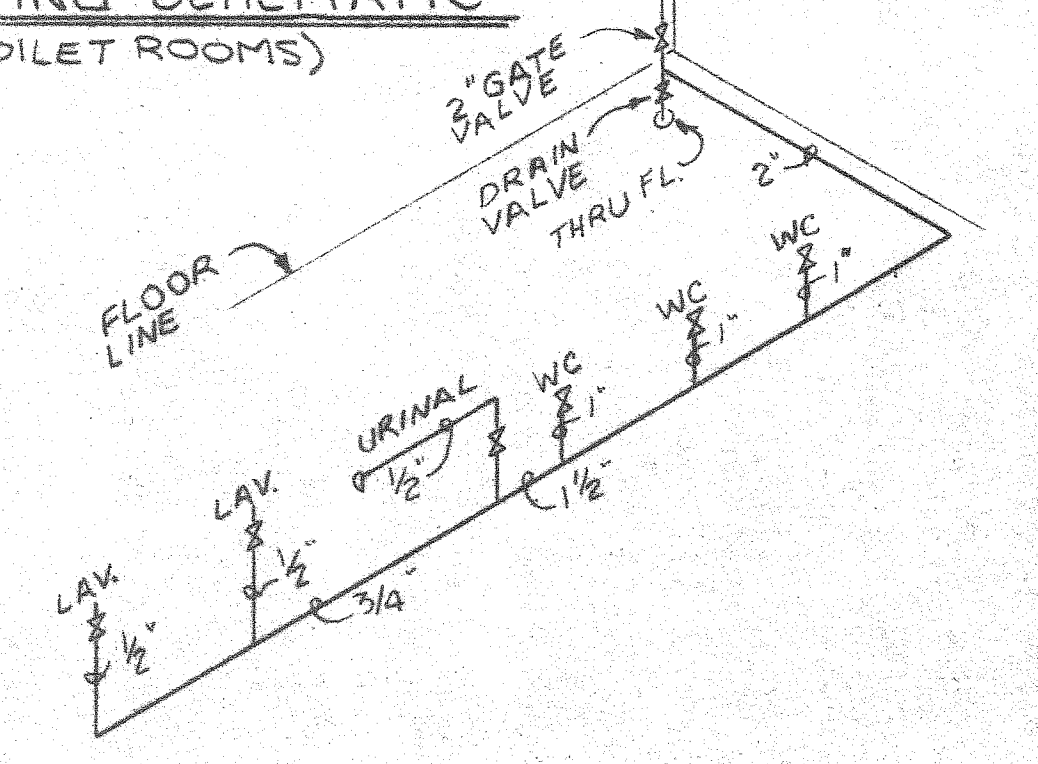
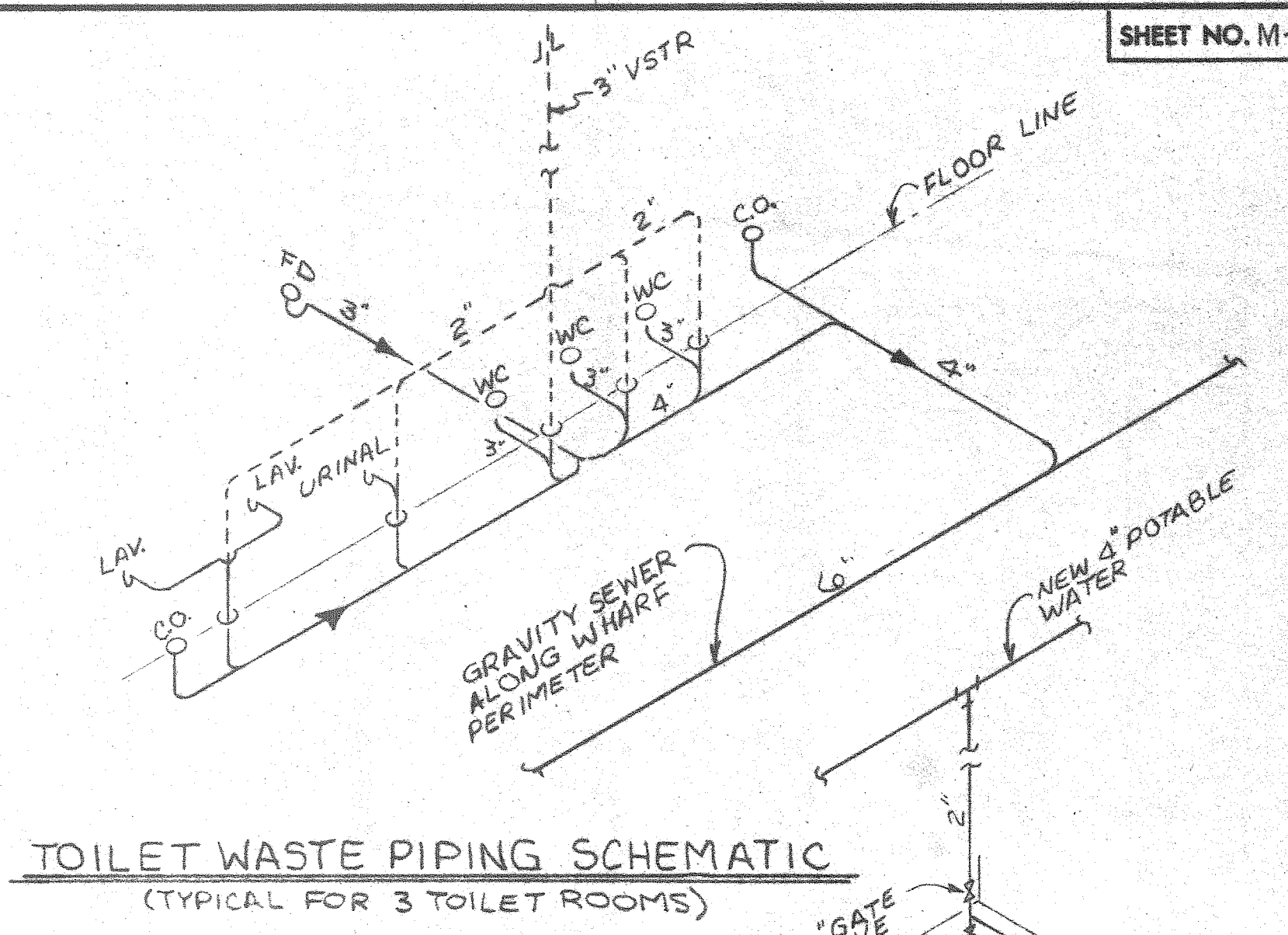
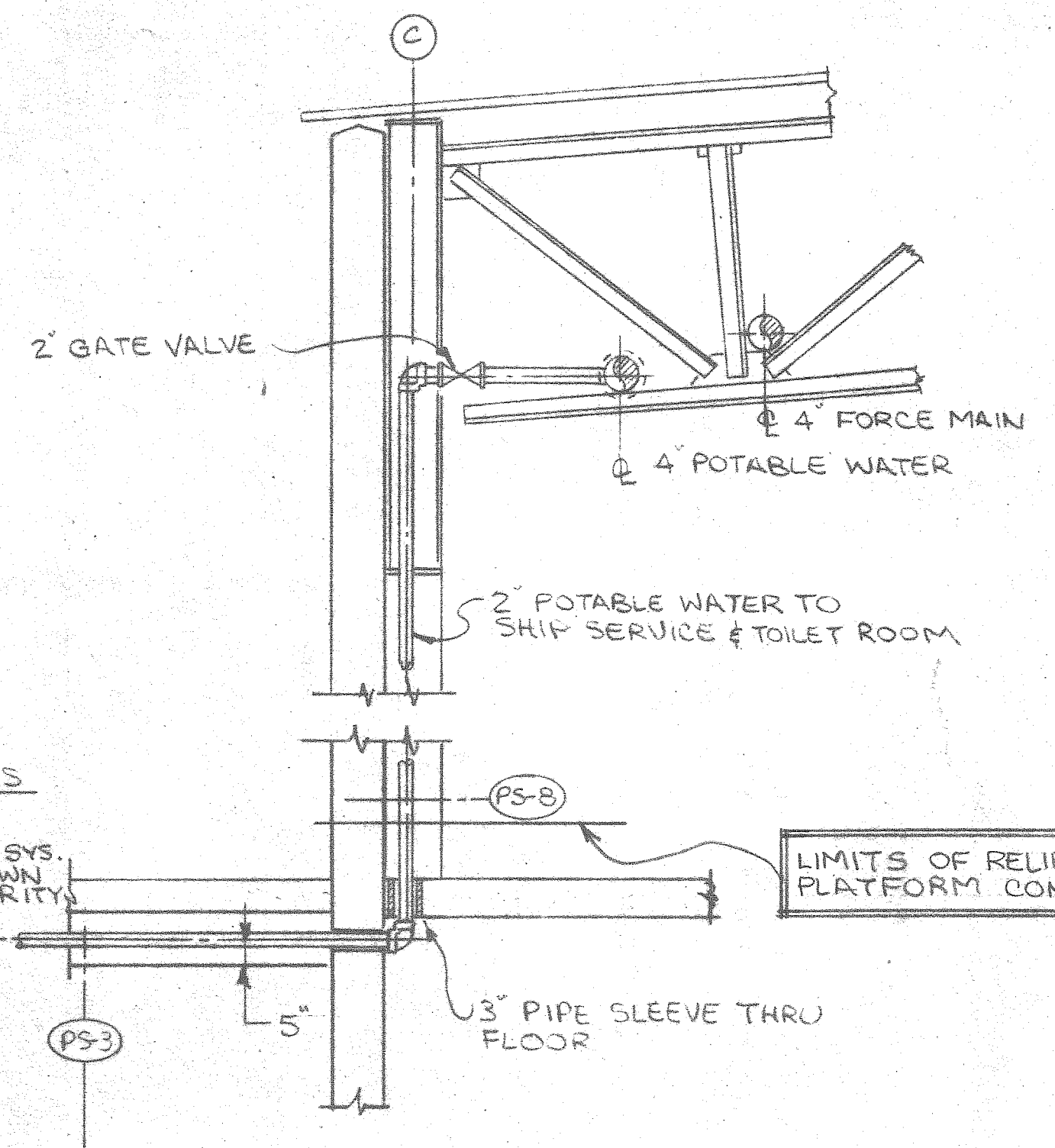
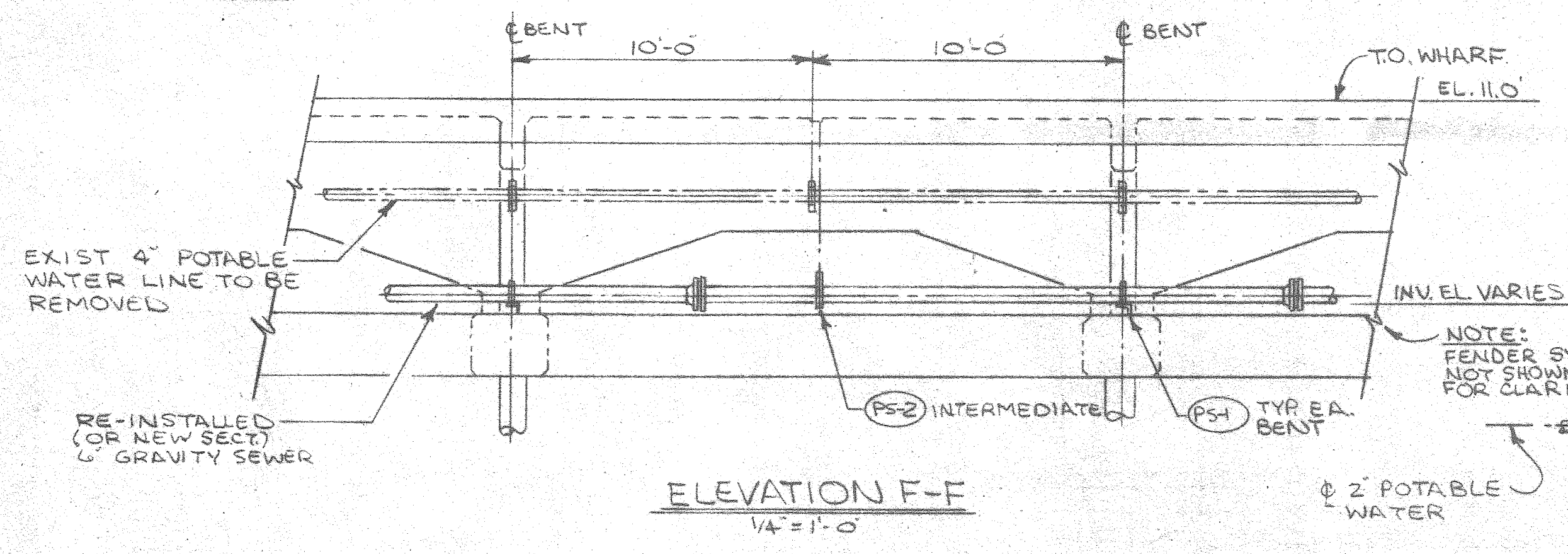
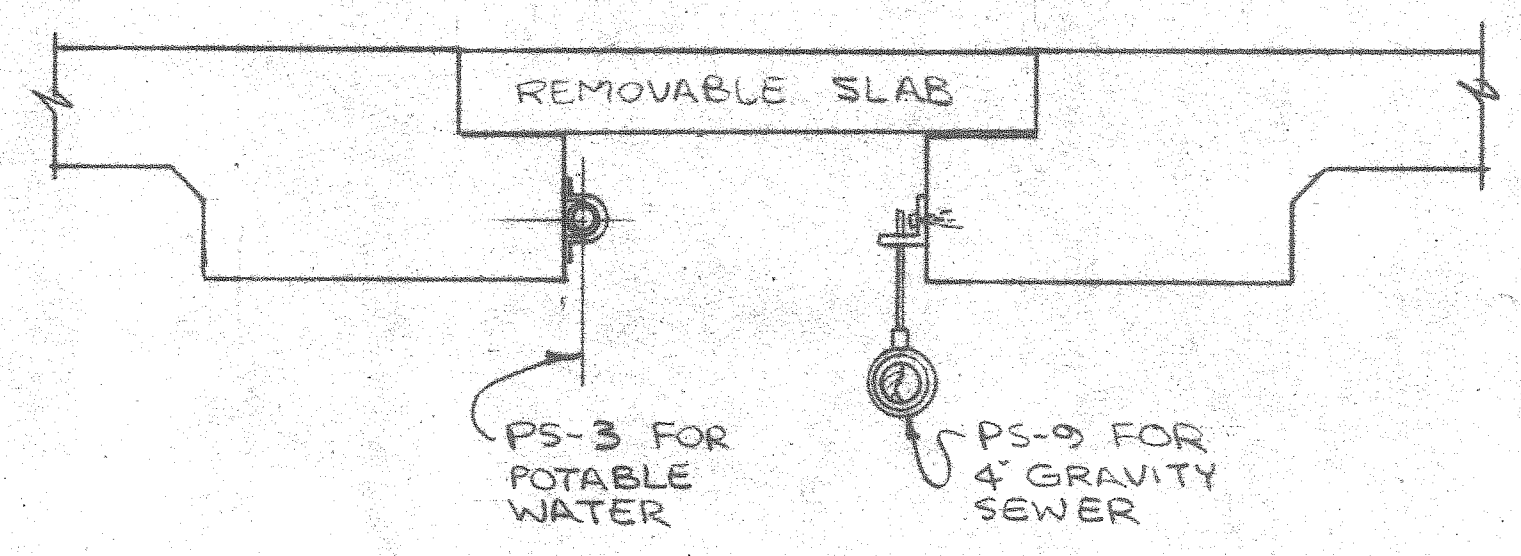
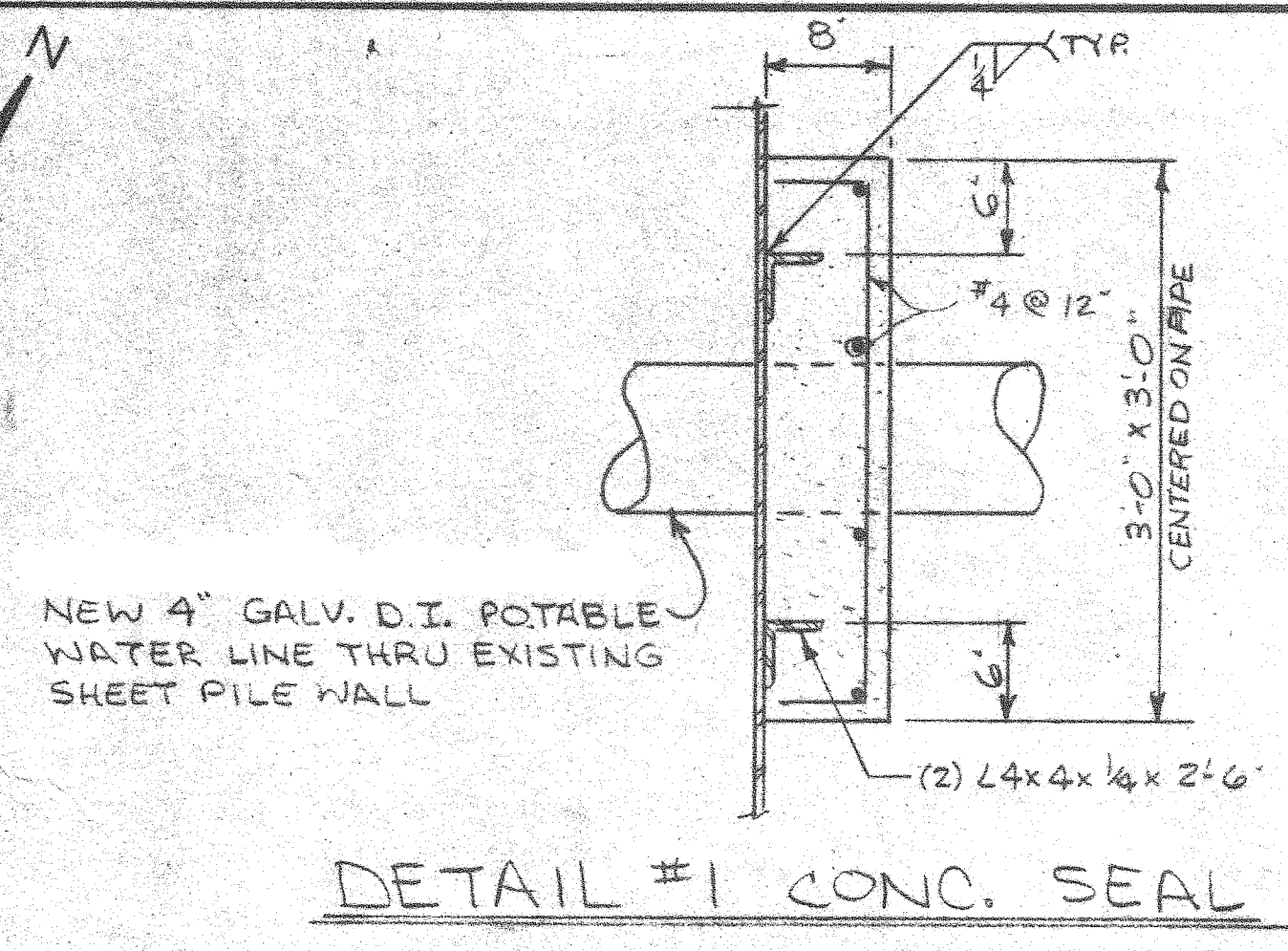
- 2. ALL NEW PIPE AND FITTINGS FOR MODIFICATIONS TO EXIST. 6" GRAVITY SEWER ALONG WHARF PERIMETER SHALL BE DUCTILE IRON WITH MECHANICAL JOINT ENDS. ALL NEW SOIL WASTE AND VENT PIPING 4" AND SMALLER SHALL BE CAST IRON SOIL PIPE WITH COMPRESSION JOINT FITTINGS. (THE CONTRACTOR MAY AT HIS OPTION, SUBSTITUTE PVC FOR VENT PIPING ABOVE THE FLOOR LINE.)
- 3. ALL NEW SEWER FORCE MAIN PIPING AND FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT WITH RETAINER GLANDS.
- 4. ALL NEW POTABLE WATER PIPING SHALL BE GALVANIZED CARBON STEEL, SCREWED PIPE AND FITTINGS; INSULATE WITHIN WAREHOUSE PER SPEC'S.
- 5. REFER TO SPEC'S FOR ADDITIONAL PIPING REQUIREMENTS; ALL PIPING SHALL BE TESTED IN ACCORDANCE WITH THE SPECIFICATIONS.
- 6. VALVES ARE TO BE SAME SIZE AS LINE SHOWN UNLESS NOTED OTHERWISE. FIELD DETERMINE POSITION OF ALL VALVE OPERATORS FOR ACCESSIBILITY.
- 7. THESE DRAWINGS DO NOT PURPORT TO SHOW IN COMPLETE DETAIL ALL EXISTING STRUCTURES AND UTILITIES NOR ALL MISCELLANEOUS ITEMS OF WORK AS NECESSARY TO COMPLETE THE WORK AS INTENDED; THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR MAKING CONNECTIONS OF ALL NEW PIPING TO EXISTING PIPING, THIS INCLUDES COORDINATING TURNING OFF OR ON SERVICE, PREVENTING CONTAMINATION OF LINES AND REPAIRING ANY DAMAGE RESULTING FROM CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL FURNISH AND INSTALL EXTRA PIPE FITTINGS, HANGERS, ETC. TO AFFORD PROPER PIPE CLEARANCES AND ALIGNMENT WHERE NECESSARY AT NO ADDITIONAL COST TO THE OWNER.
- 8. PIPING AND VALVES TO BE "STORED" SHALL BE CLEANED AND STOCKPILED IN AN AREA DESIGNATED BY THE OWNER AND SHALL REMAIN THE PROPERTY OF THE OWNER. PIPING AND VALVES TO BE "WASTED" SHALL BE REMOVED FROM ASD PROPERTY. "STORED" AND "WASTED" ITEMS SHALL BE AS SCHEDULED BELOW, THIS SCHEDULE HOWEVER SHALL BE SUBJECT TO THE FINAL DECISION OF ASD. PROJECT INSPECTOR AT ACTUAL TIME OF REMOVAL.

ITEM	"STORE"	"WASTE"
SOIL, WASTE AND VENT PIPE & FITTINGS		•
SEWER FORCE MAIN PIPE & FITTINGS	•	
SEWER FORCE MAIN VALVES	•	
POTABLE WATER PIPING & FITTINGS		•
POTABLE WATER VALVES	•	
ALL HANGERS & SUPPORTS		•

- LEGEND**
- SS - SANITARY SEWER, GRAVITY
 - - SHIP SEWER CONNECTION
 - - SEWER FORCE MAIN
 - W - POTABLE WATER
 - - SHIP SERVICE CONNECTION (POTABLE WATER)
 - - - - EXIST. PIPING TO BE REMOVED OR ABANDONED

PIER "B" SOUTH REHABILITATION PILE SUPPORTED RELIEVING PLATFORM
ALABAMA STATE DOCKS
 MOBILE, ALABAMA
PIER "B" SOUTH MECHANICAL POTABLE WATER & SEWER LAYOUT
 SCALE: 1"=20'
 DATE: 7-15-87
 RECOMMENDED:
 DRAWN BY: LRH
 TRACED BY:
 CHECKED BY:
 APPROVED:
 B-10-145-52A

REV. PER ADDEDUM NO 1 9/27/87



NOTES:

- ALL DIMENSIONS SHOWN SHALL BE FIELD VERIFIED AFTER INSTALLATION OF BFP AND RELATED PIPING.
- BOX AND LID SHALL BE ASTM A-36, WELDED CONSTRUCTION; HOT DIP GALVANIZED AFTER FABRICATION.

PIER "B" SOUTH REHABILITATION
PILE SUPPORTED
RELIEVING PLATFORM

ALABAMA STATE DOCKS

MOBILE, ALABAMA

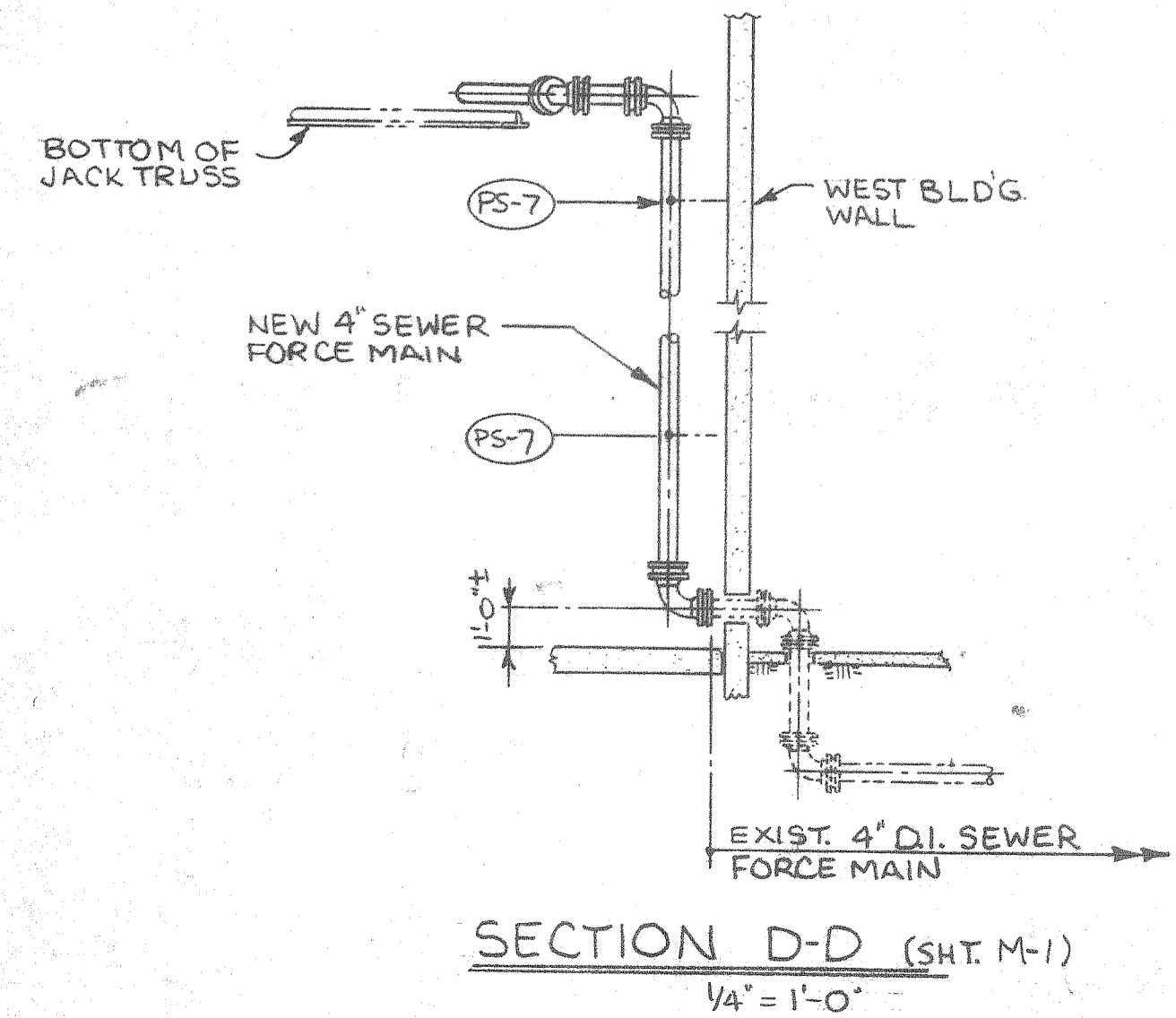
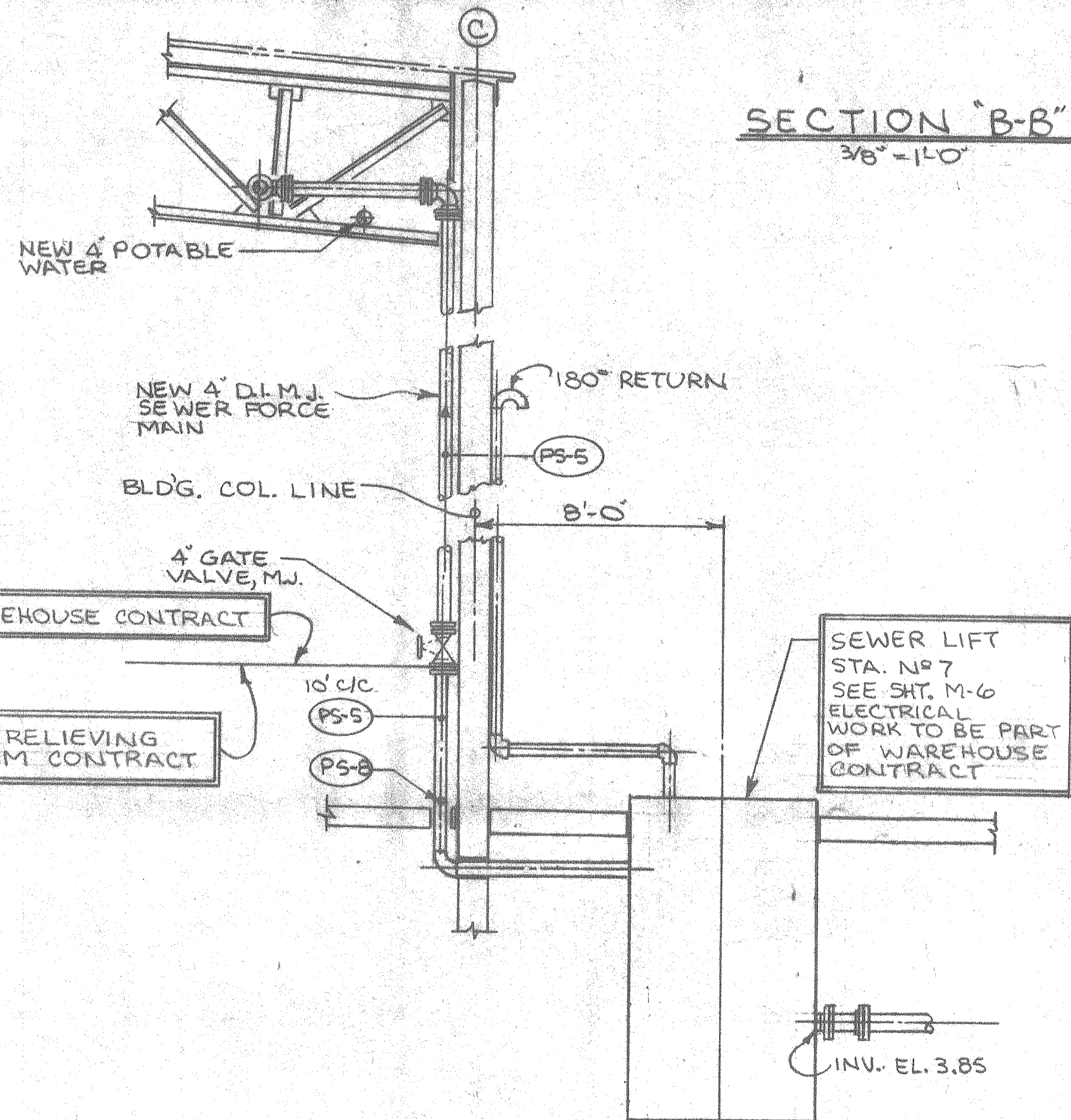
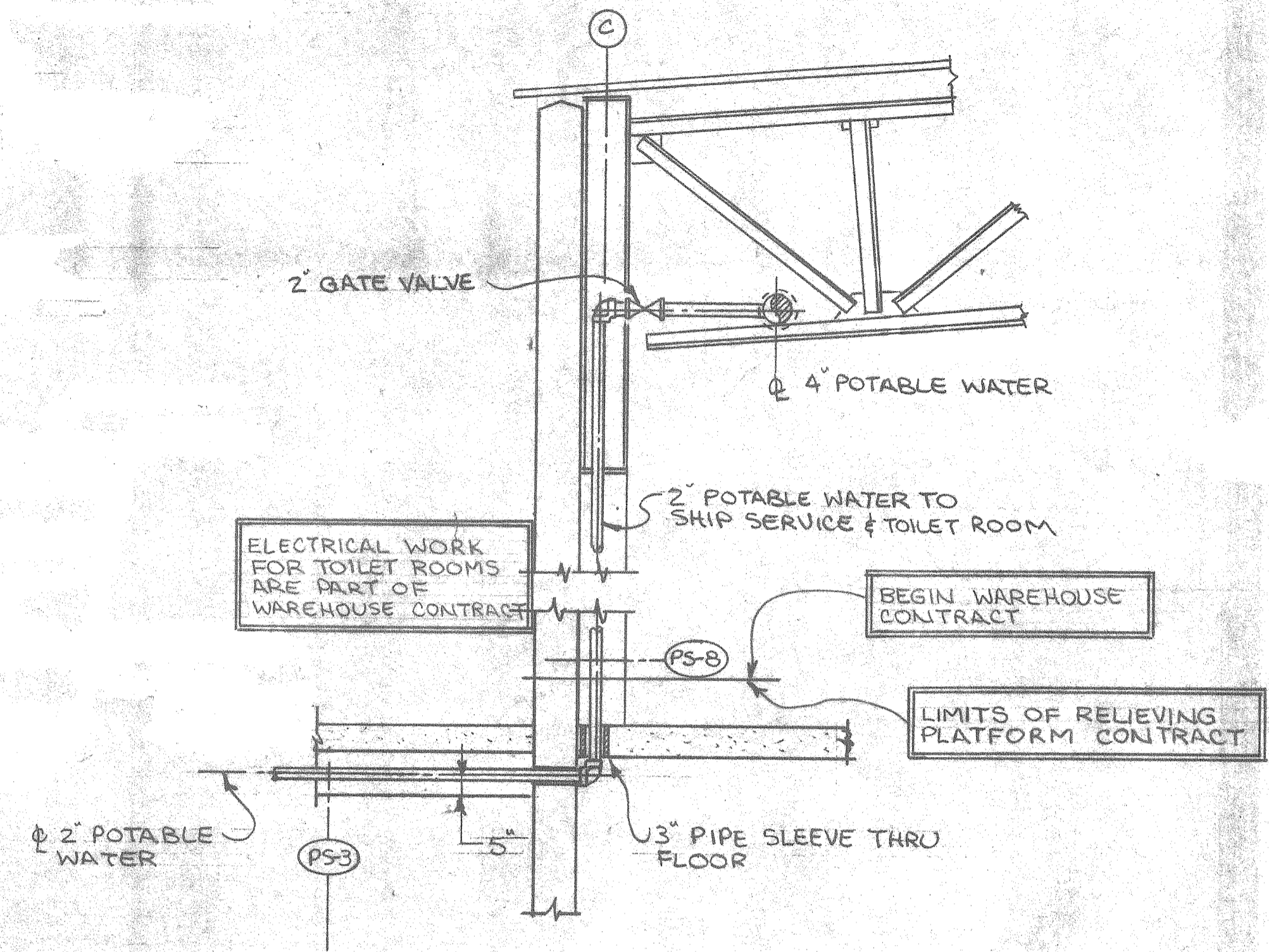
PIER B SOUTH MECHANICAL
POTABLE WATER & SEWER
PIPING-SECT'S & DET'L'S

SCALE: NOTED
DATE: 7-20-87
RECOMMENDED:

DRAWN BY: LRH
TRACED BY:
CHECKED BY:

APPROVED:

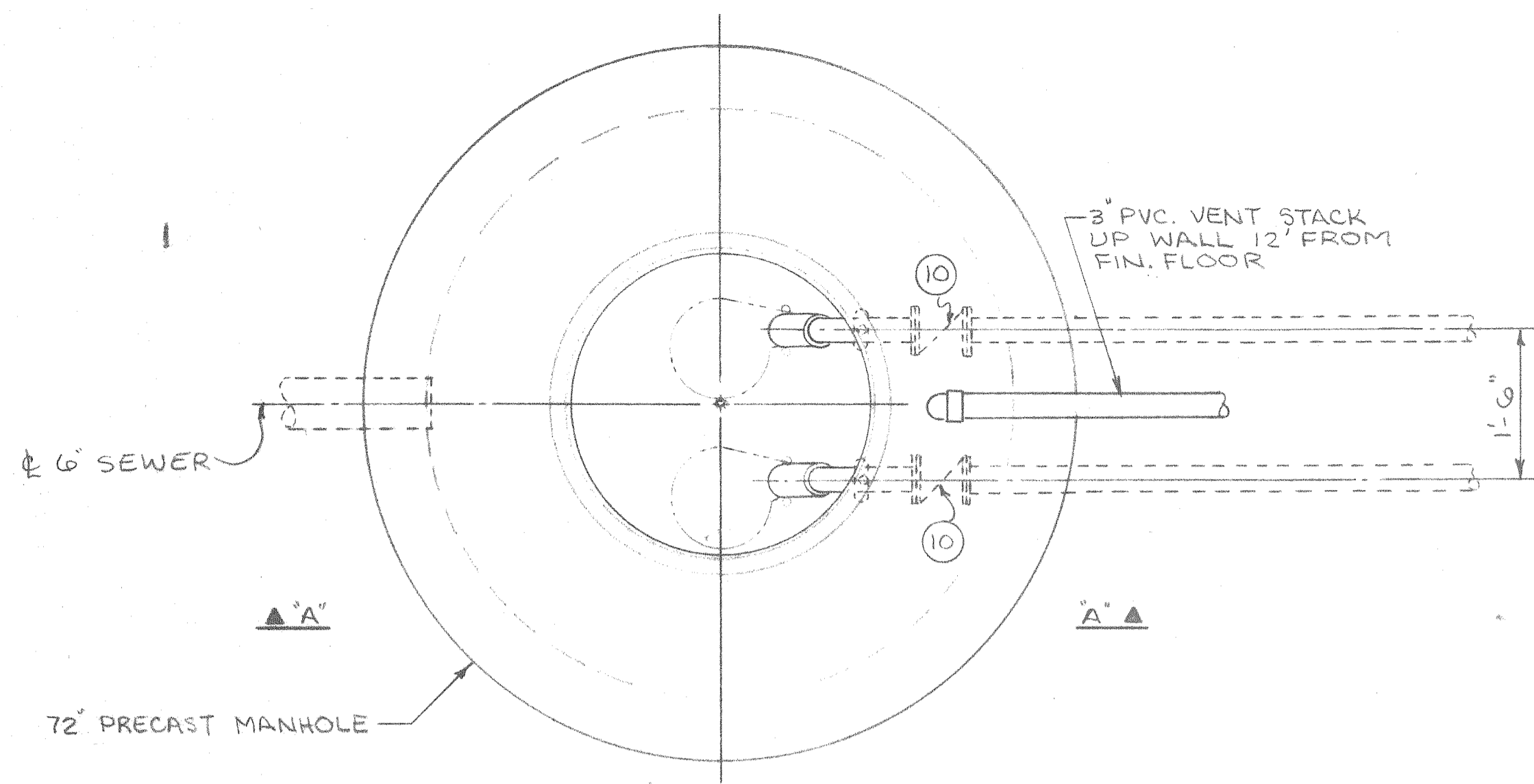
B-10-145-53A



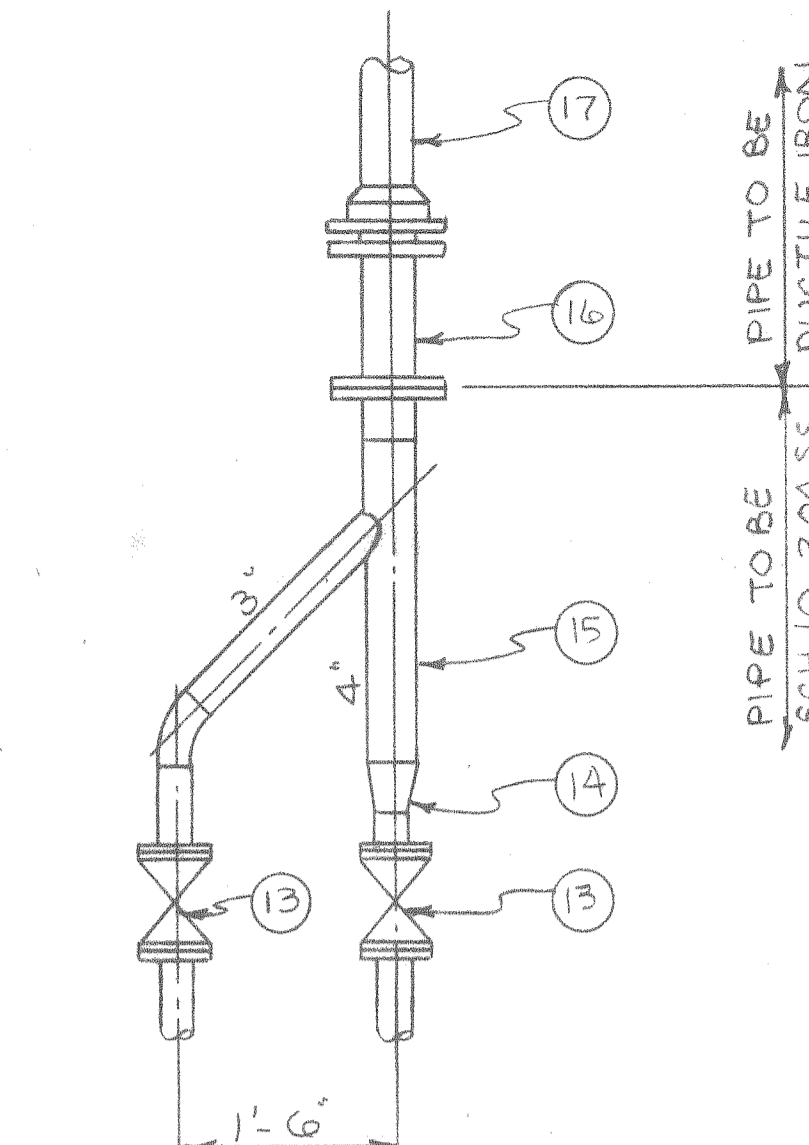
ALABAMA STATE DOCKS	
<small>MOBILE, ALABAMA</small>	
PIER B SOUTH MECHANICAL POTABLE WATER & SEWER PIPING-SECT'S & DET'LS	
SCALE: NOTED DATE: 7-20-87 RECOMMENDED:	DRAWN BY: LRH TRACED BY: CHECKED BY: <i>[Signature]</i>
APPROVED:	M-5 B-10-45-53B

LIST OF MATERIALS

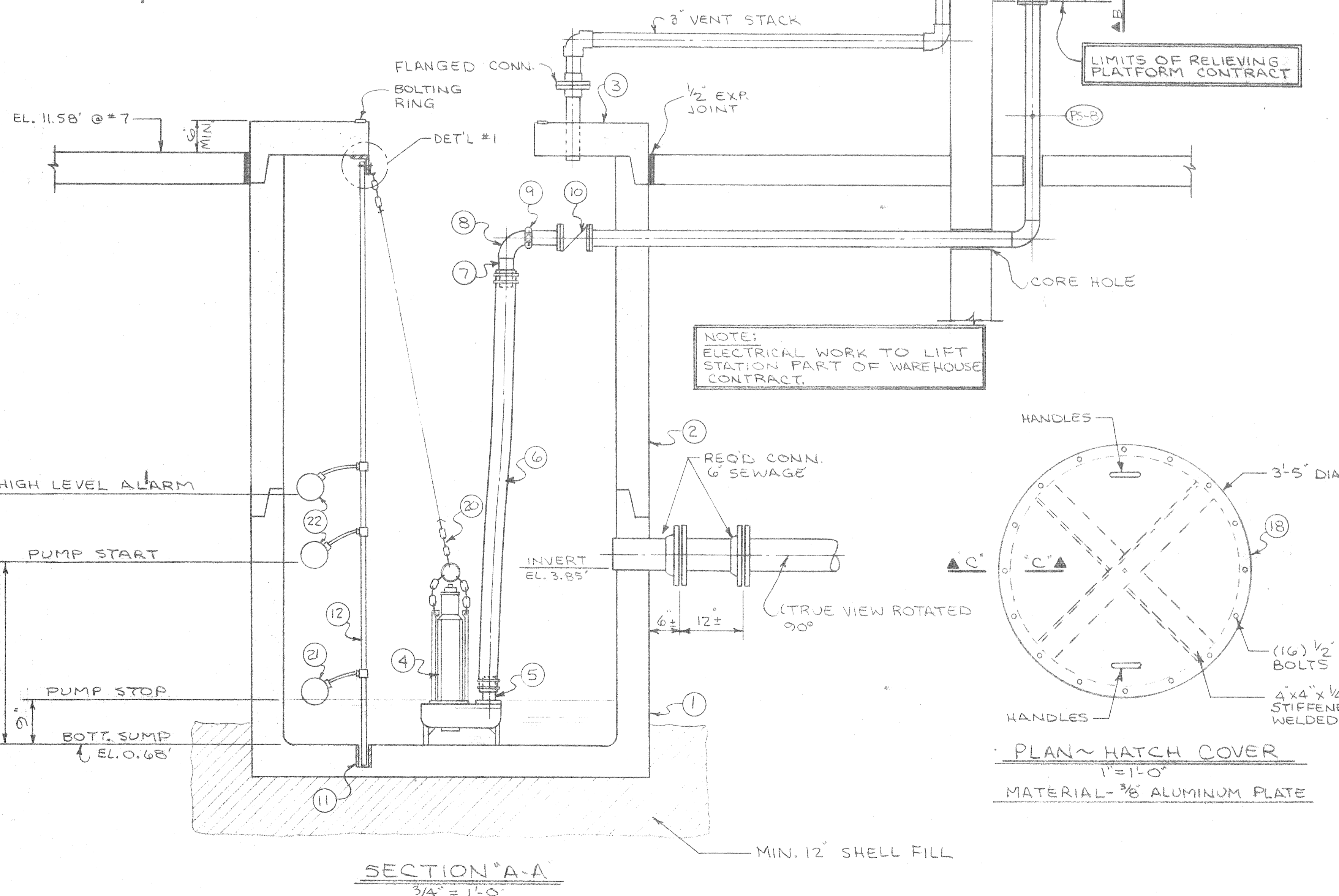
ITEM	DESCRIPTION
1	MONOLITHIC PRECAST BASE 72" DIAMETER ± 5'-0" LG.
2	PRECAST RISER UNIT 72" DIAMETER 6'-0" IN LENGTH.
3	PRECAST MANHOLE TOP WITH 36" Ø CENTER OPENING AND EMBEDDED C.S. RING REFER TO ITEM N° 19.
4	WEMCO MODEL 352 SUBMERSIBLE PUMPS REFER SPECS.
5	3" 304 S.S. KING COMBINATION NIPPLE
6	3" I.D. FLEXIBLE HOSE, B.F. GOODRICH BLUE FLEXWING LENGTH AS REQ'D. USE S.S. BANDS OR CLAMPS
7	3" 304 S.S. KING COMBINATION NIPPLE WELDED TO SCH 10 304 S.S. 90° ELBOW.
8	3" 304 S.S. 90° ELBOW, GROOVED TO ACCEPT STYLE 77 VICTAULIC CLPG. ONE END.
9	3" VICTAULIC STYLE 77 COUPLING
10	SHORT BODY CHECK VALVE (UNI-CHECK STYLE "A" SERIES 125-3").
11	2" Ø S.S. PIPE SLEEVE X 5" LG. GROUTED INTO BASE UNIT.
12	1" Ø SCH. 10 304 S.S. PIPE.
13	3" GATE VALVE
14	4" X 3" S.S. REDUCER.
15	4" FABRICATED S.S. LATERAL
16	CLOW MOD. F-1031 4" FLANGE AND PE CONNECTOR OR EQUAL.
17	4" D.I. FORCE MAIN WITH M.J. AND REINER GLANDS REFER SPECS.
18	3/8" THK. X 3'-5" ALUMINUM HATCH COVER.
19	5/8" THK. X 2" WIDE C.S. RING, DRILL AND TAP TO ACCEPT (16) 1/2" Ø BOLTS.
20	5/8" GALV. HOISTING CHAIN AND RING ASS'Y.
21	CONSOLIDATED ELECTRIC, BUL. 8100 MODEL 96 DIRECT ACTING FLOAT SWITCH NCG- 40' LG. CABLE
22	CONSOLIDATED ELECTRIC, BUL. 8100 MODEL 96 DIRECT ACTING FLOAT SWITCH NO G- 40' LG. CABLE.



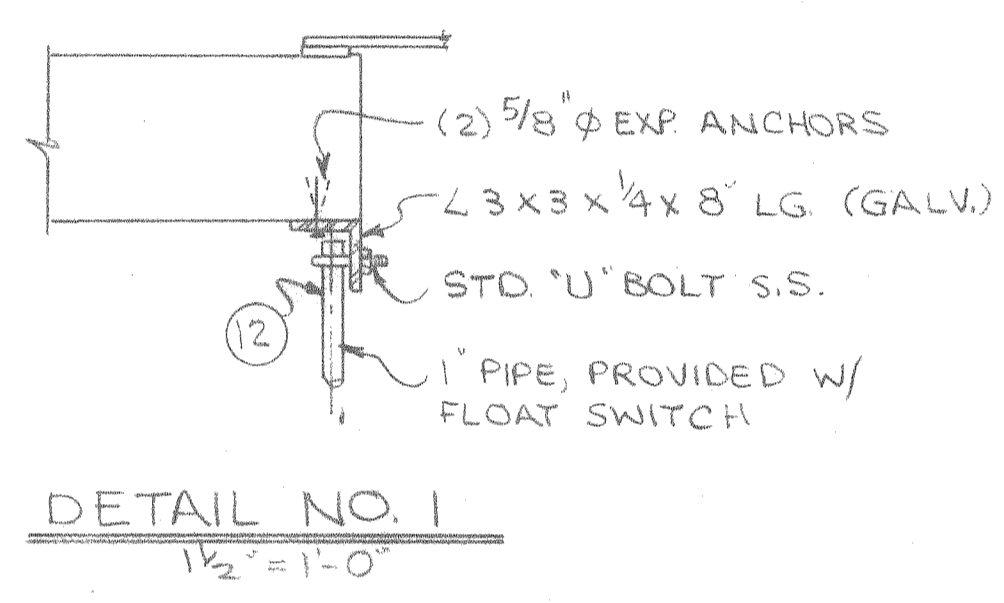
PLAN ~ SEWAGE LIFT STATION
3/4" = 1'-0"



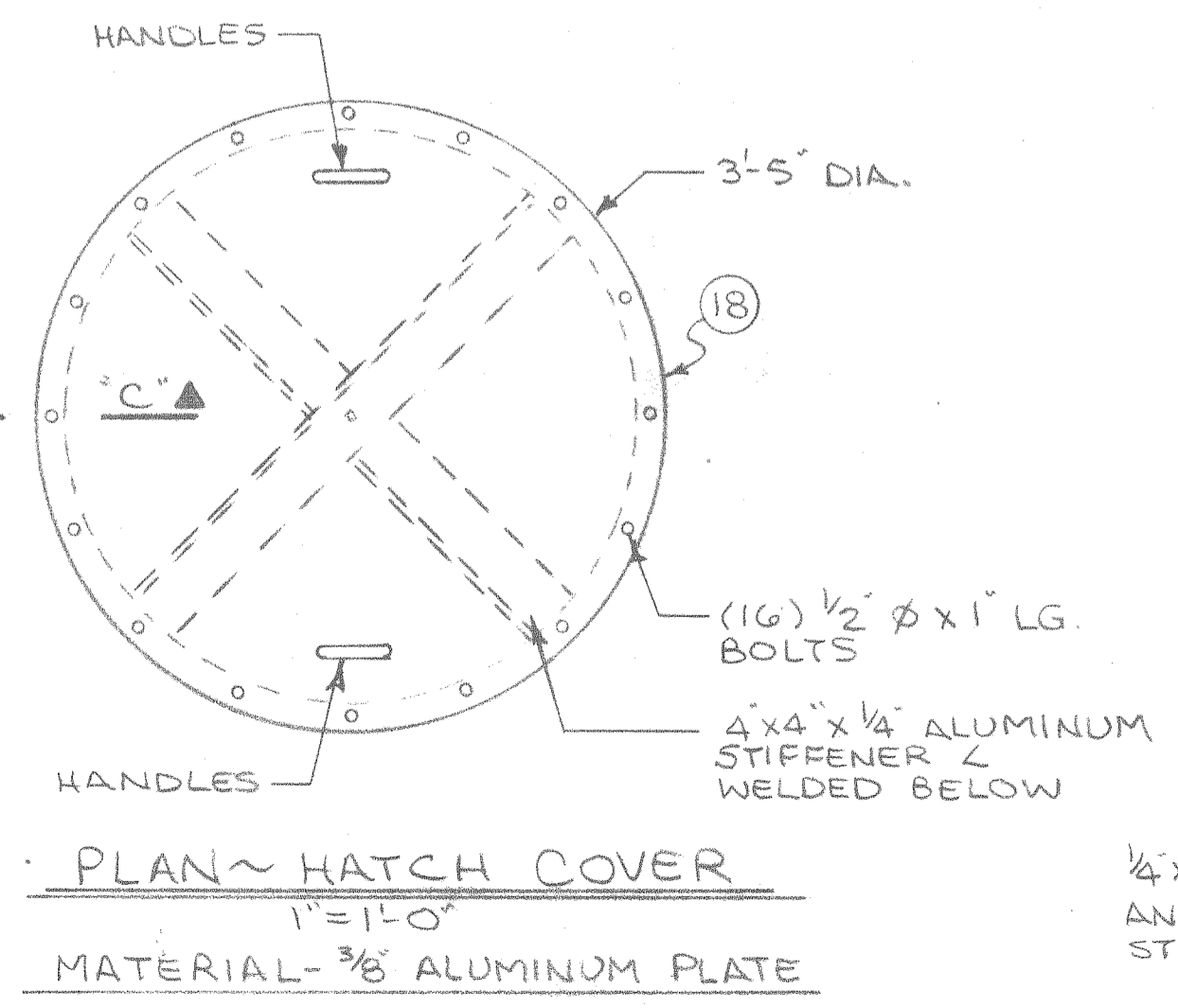
ELEVATION "B-B"
3/4" = 1'-0"



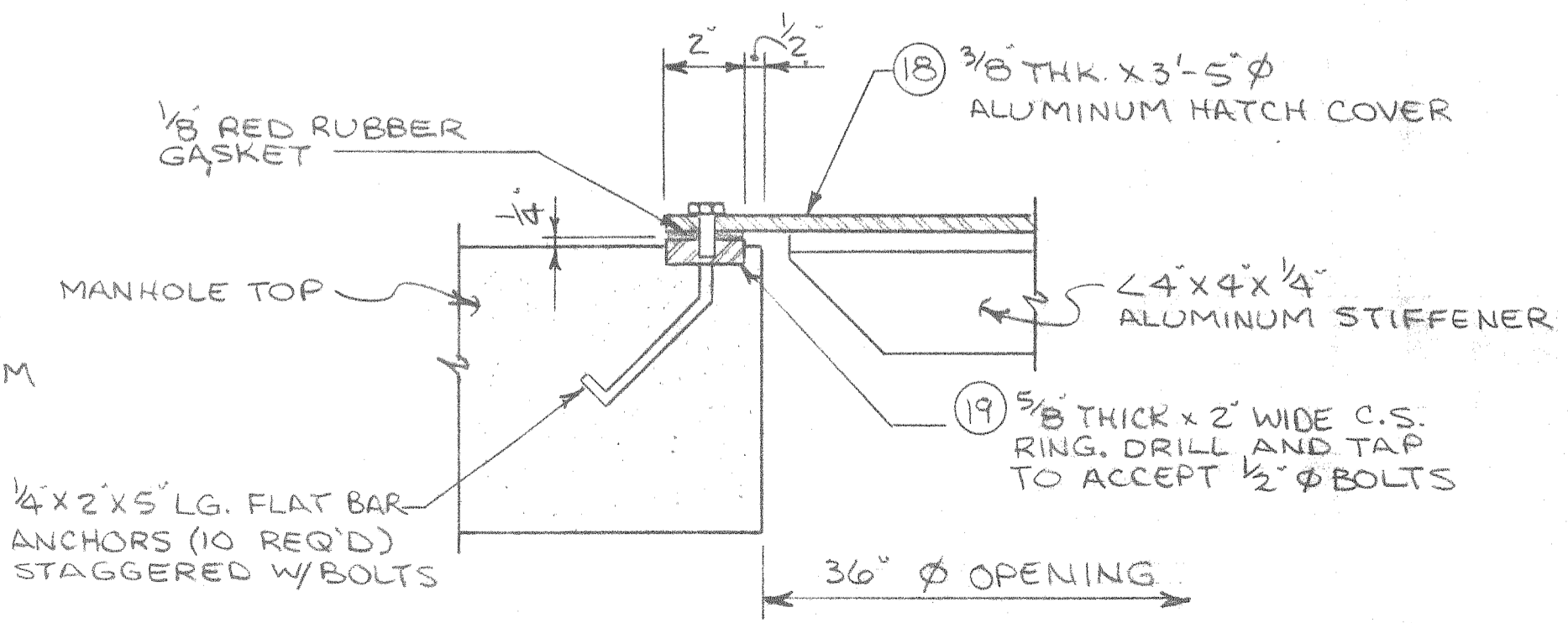
SECTION "A-A"
3/4" = 1'-0"



DETAIL NO. 1
1/2" = 1'-0"



PLAN ~ HATCH COVER
1" = 1'-0"
MATERIAL - 3/8" ALUMINUM PLATE



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

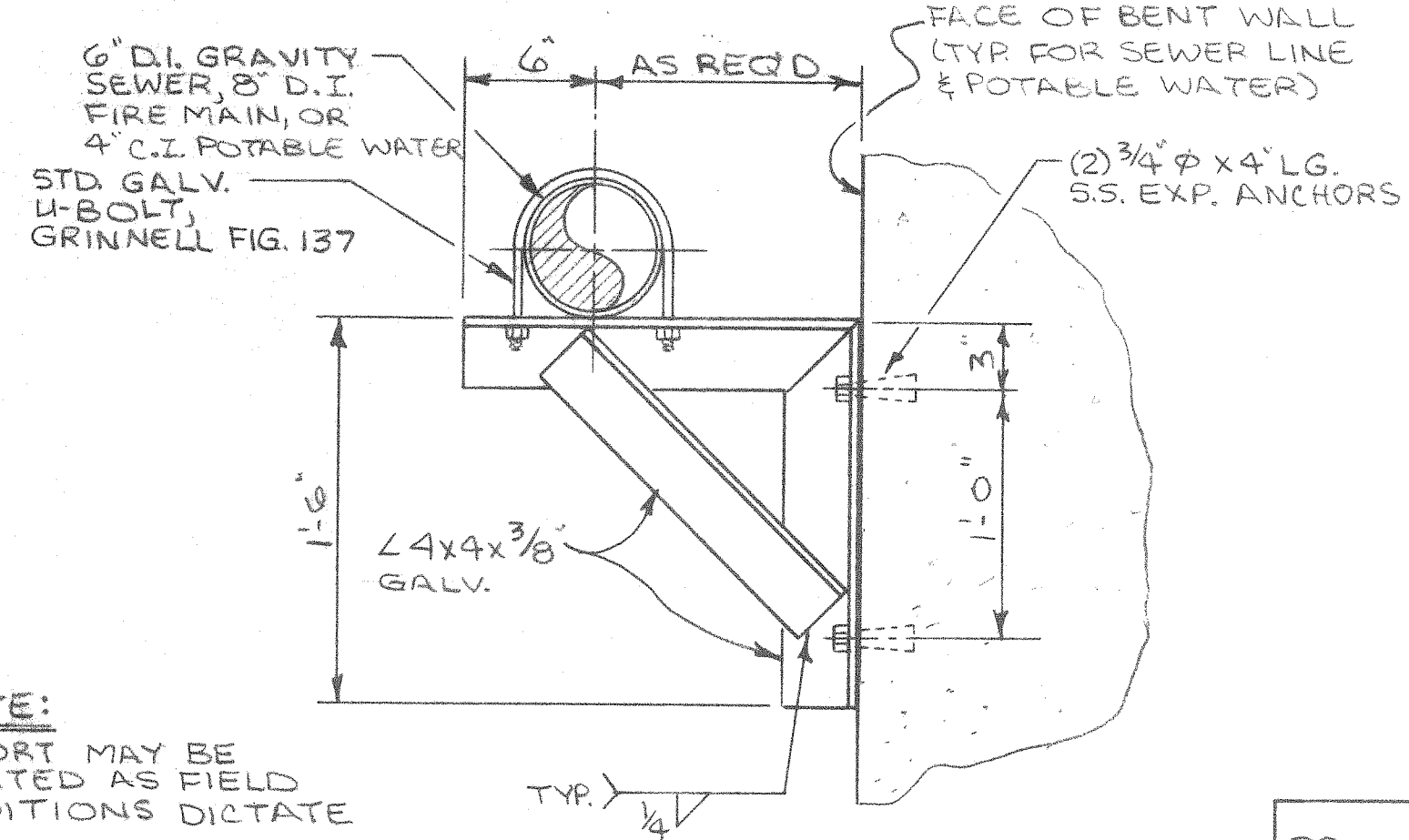
ALABAMA STATE DOCKS
MOBILE, ALABAMA
PIER "B" SOUTH
MECHANICAL
SEWAGE LIFT STATION

SCALE: 3/4" = 1'-0"
DATE: 8-3-87
RECOMMENDED:

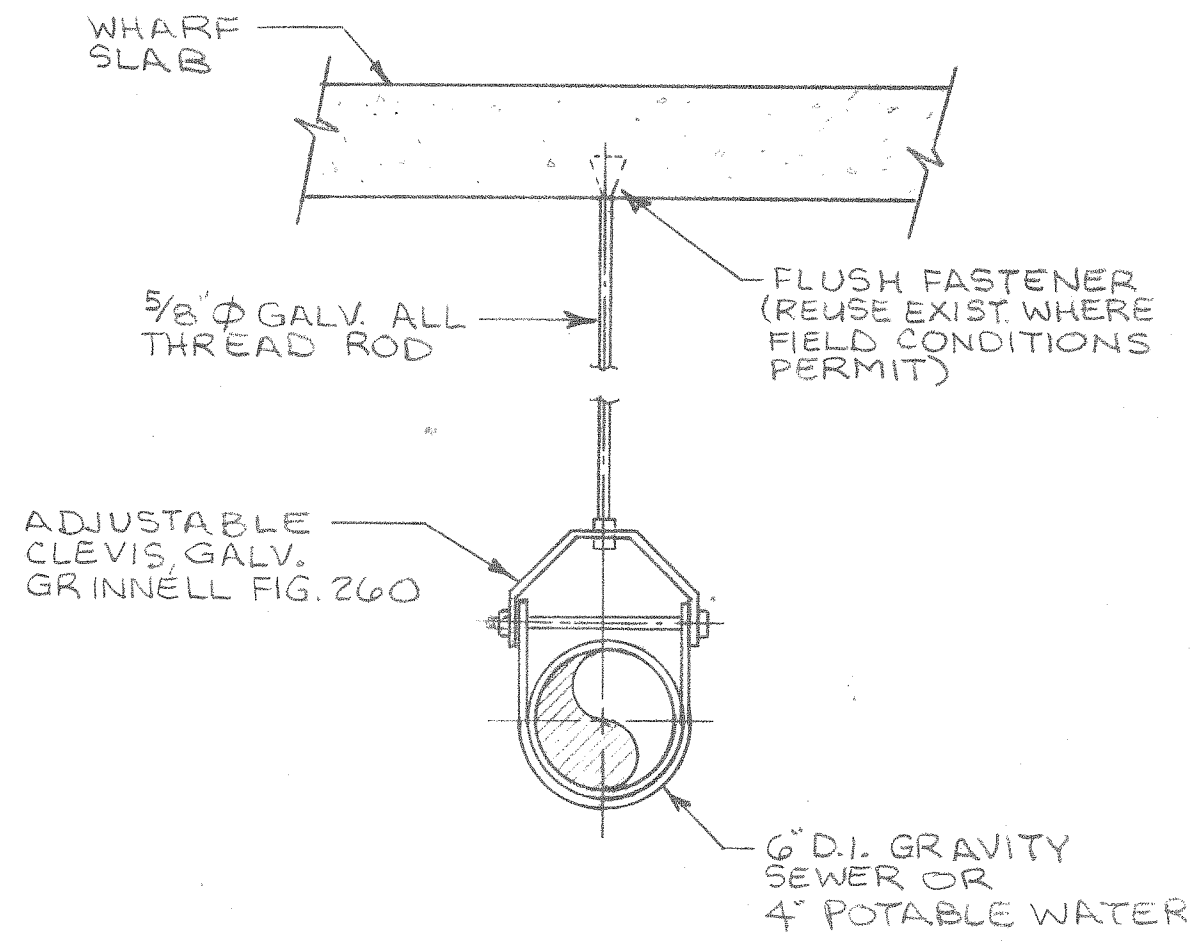
DRAWN BY: LRH
TRACED BY:
CHECKED BY: JPL

APPROVED:

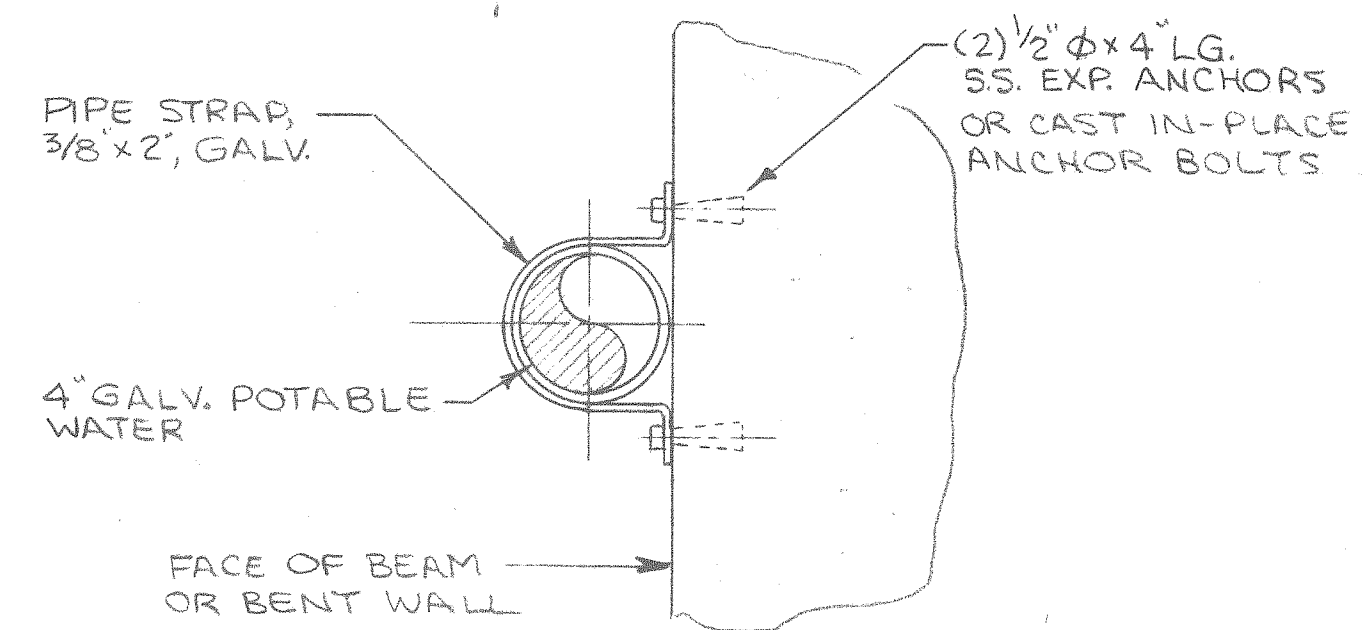
B-10-145-54



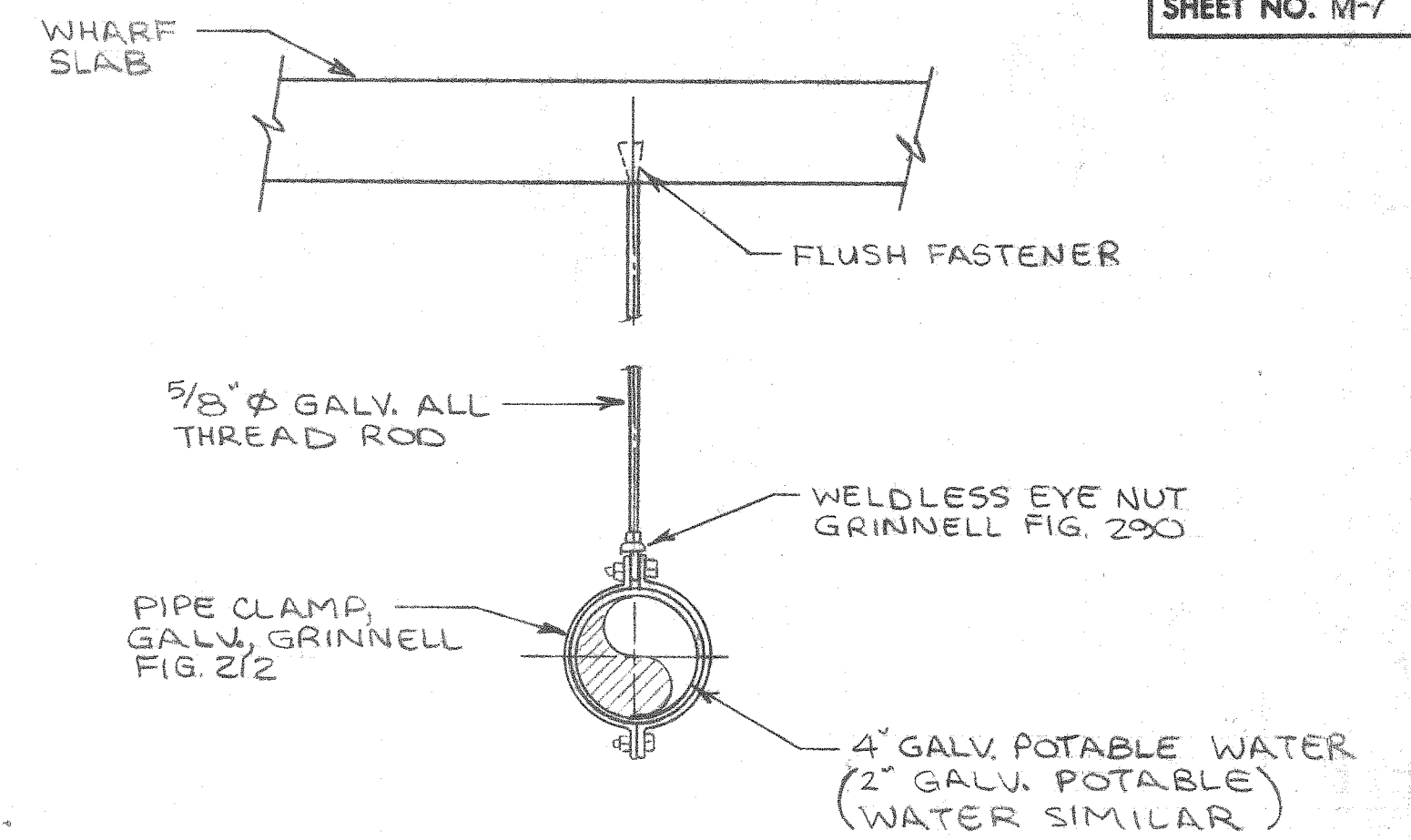
PS-1



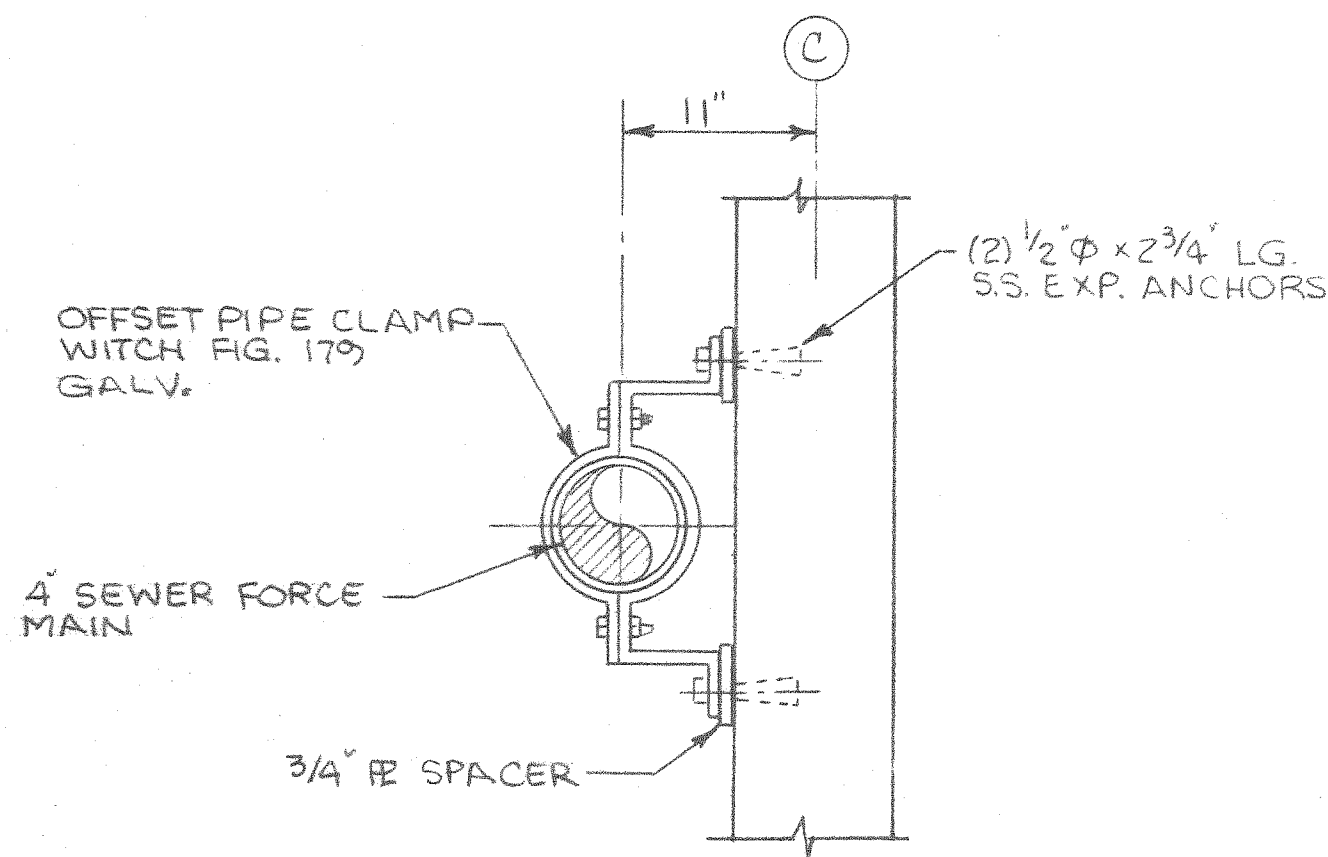
PS-2



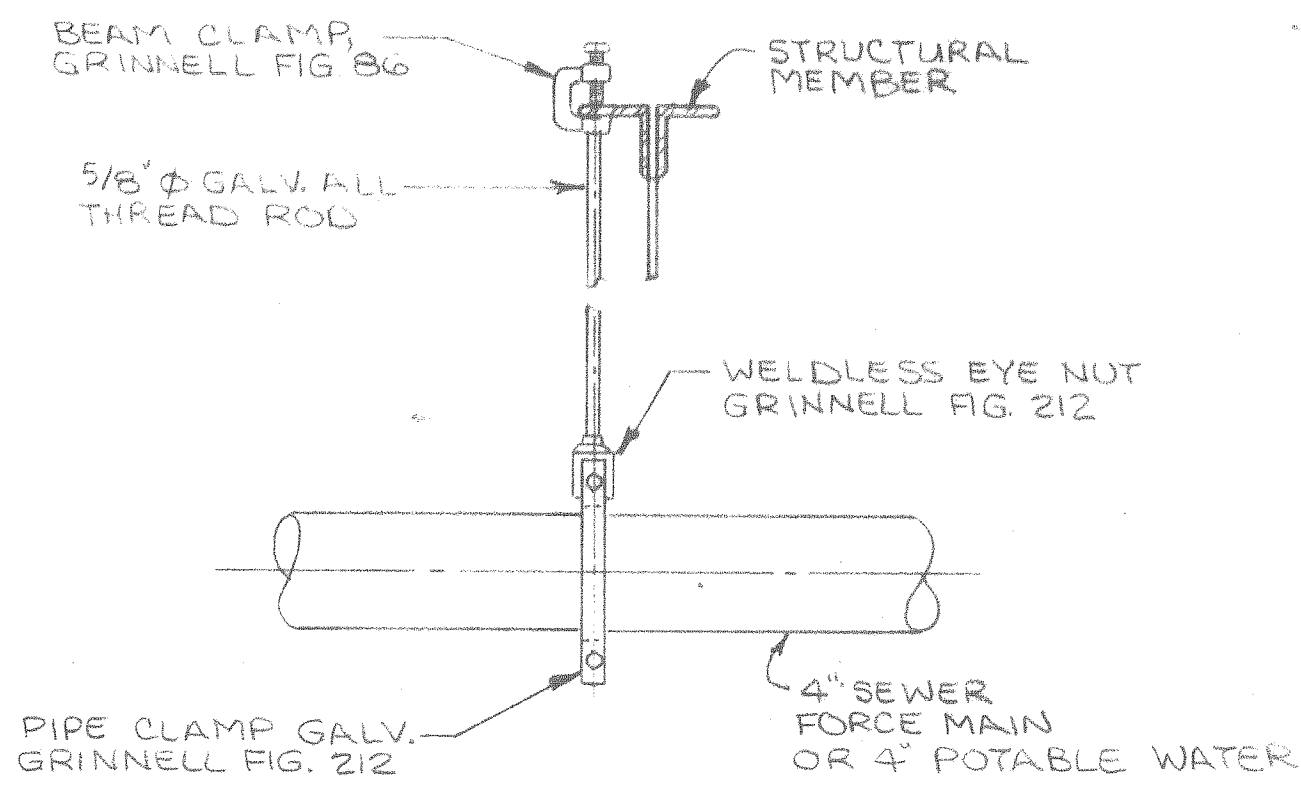
PS-3



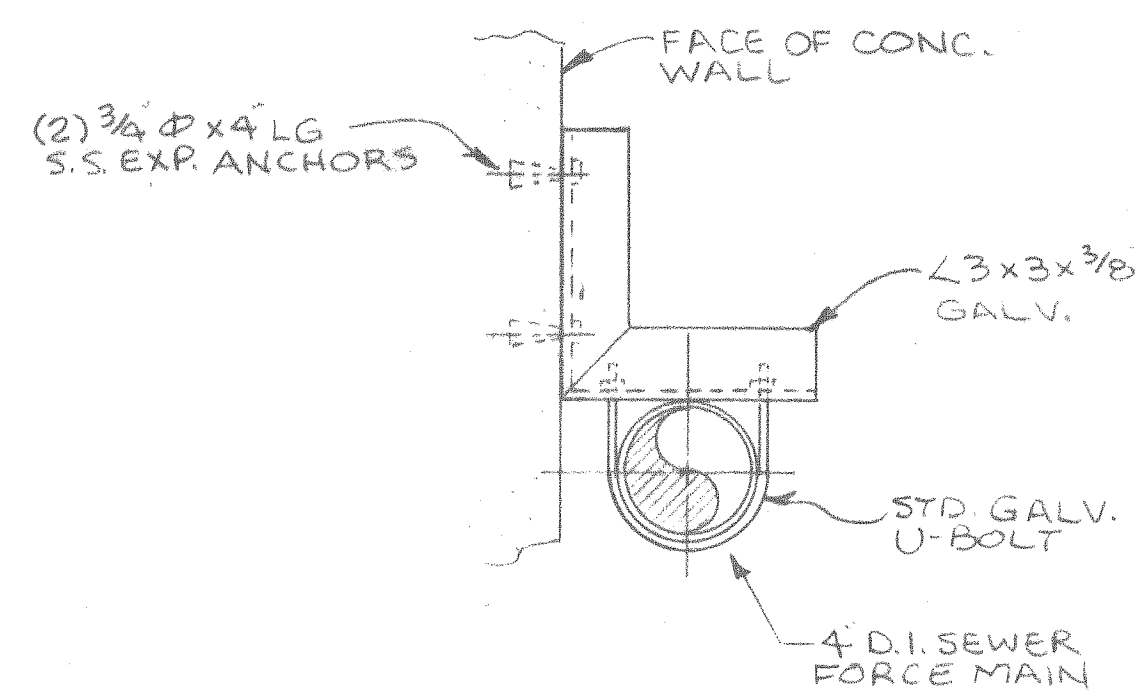
PS-4



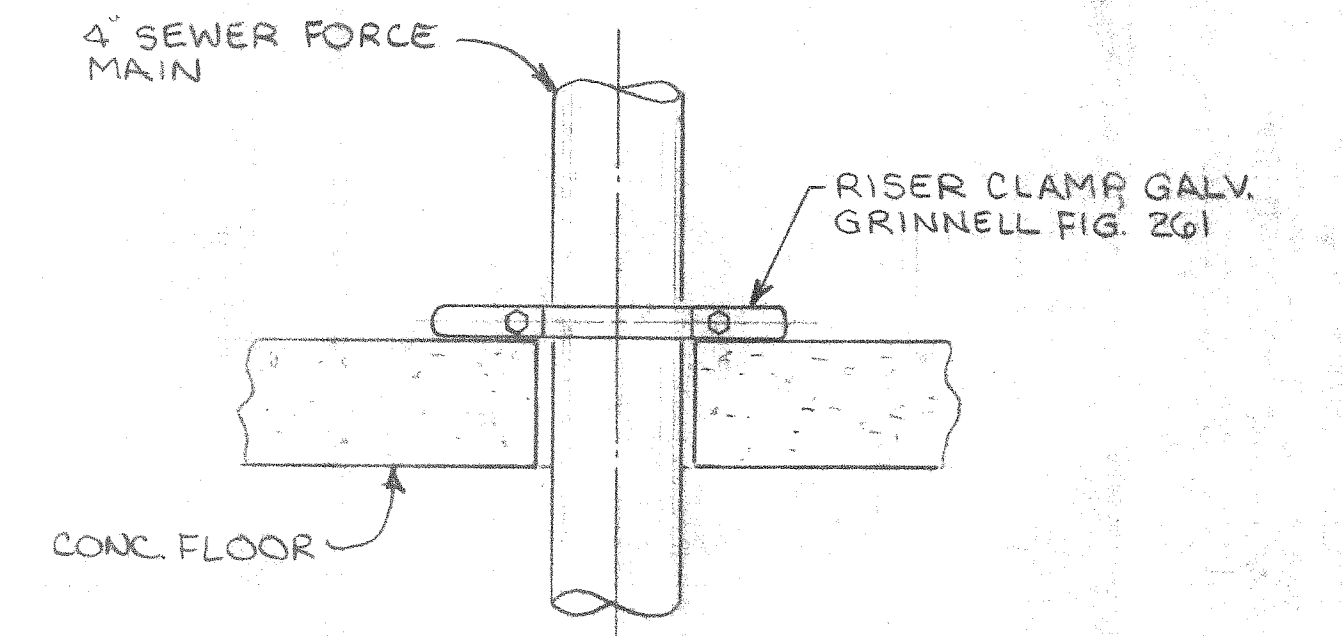
PS-5



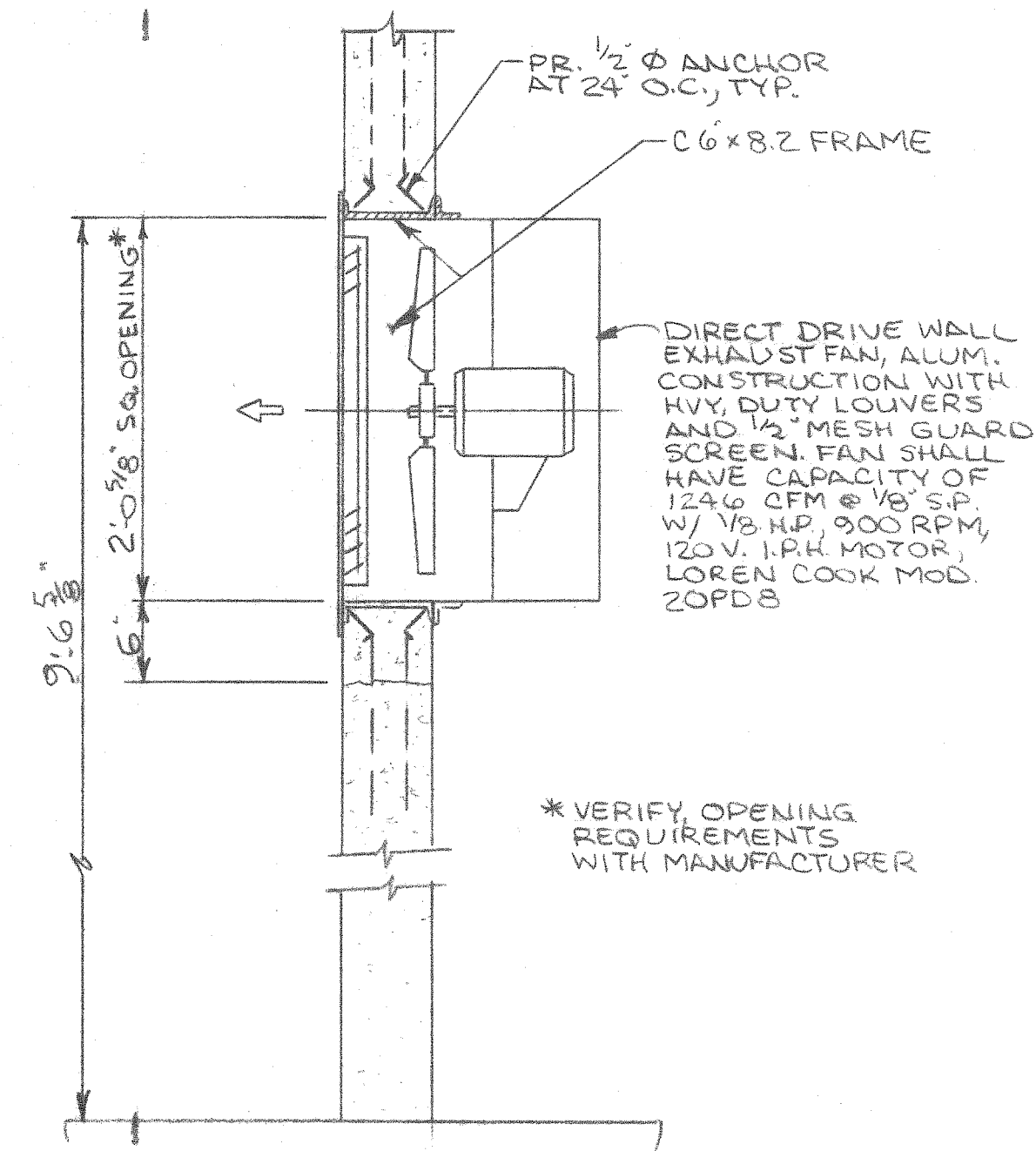
PS-6



PS-7

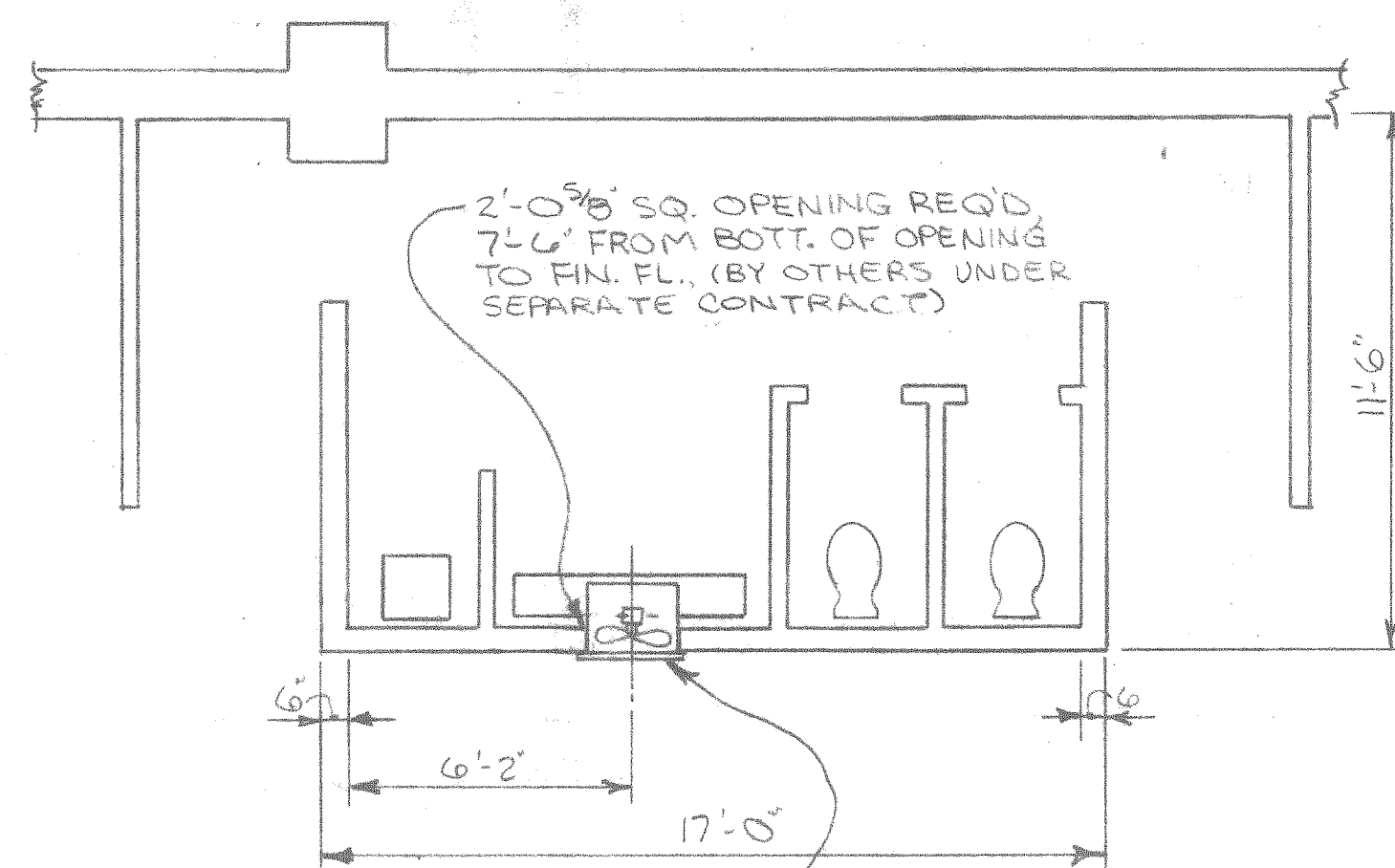


PS-8



TOILET ROOM EXHAUST FAN

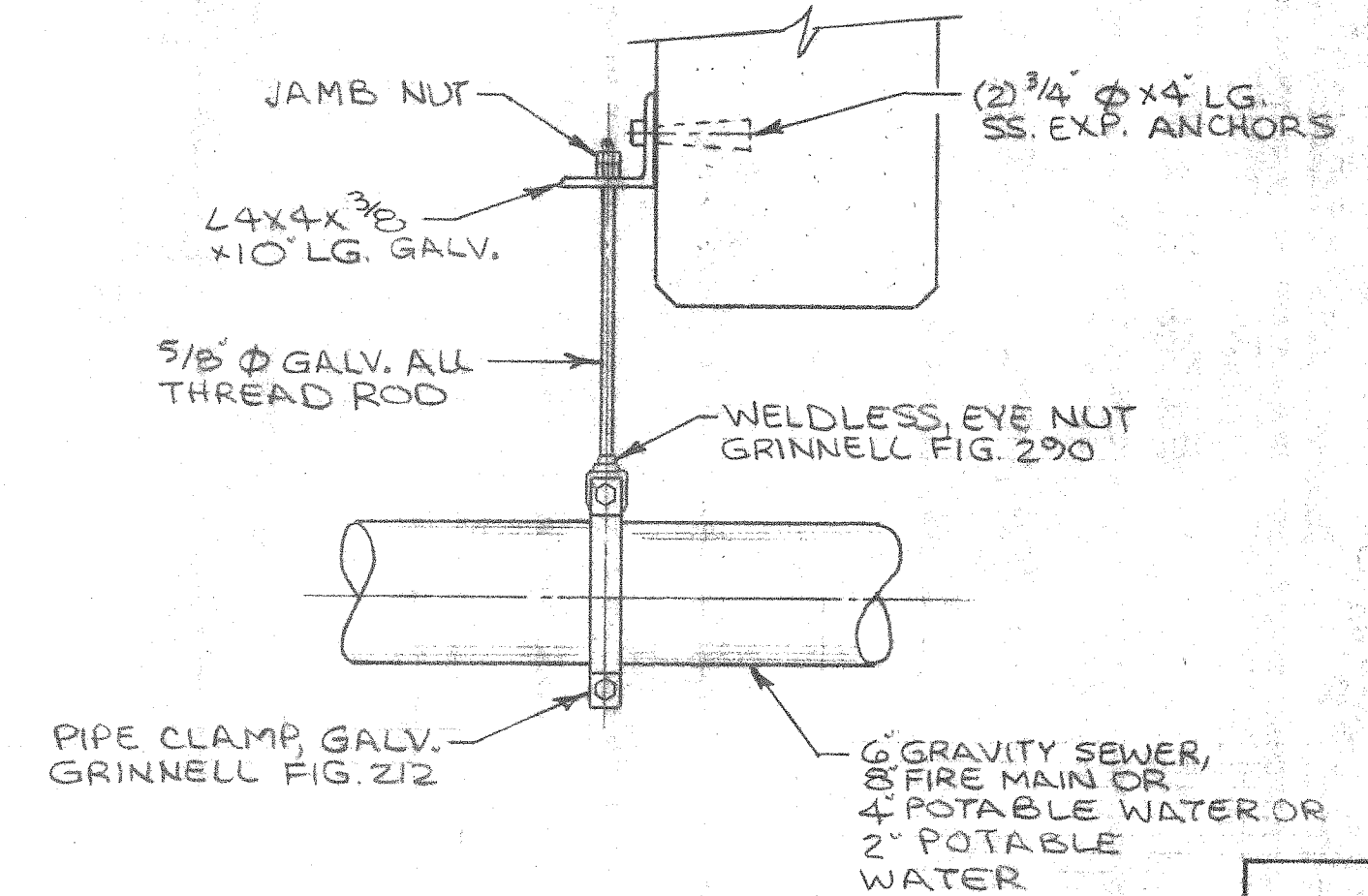
N.T.S.



ELECTRICAL WORK TO BE PART OF WAREHOUSE CONTRACT.

DIRECT DRIVE WALL EXHAUST FAN, ALLUMINUM CONSTRUCTION WITH HEAVY DUTY LOUVERS & 1/2" MESH GUARD SCREEN. FAN SHALL HAVE CAPACITY OF 1246 CFM @ 1/8" S.P. W/ 1/8 HP @ 900 RPM, 120 V. I.P.H. MOTOR, LOREN COOK MOD. 20PDS (BY OTHERS UNDER SEPARATE CONTRACT)

PLAN - NEW TOILET ROOM VENTILATION (TYP. 3 TOILET ROOMS)



PS-9

ALABAMA STATE DOCKS

MOBILE, ALABAMA

PIER B SOUTH MECHANICAL PIPE SUP'T & VENTILATION DET'L

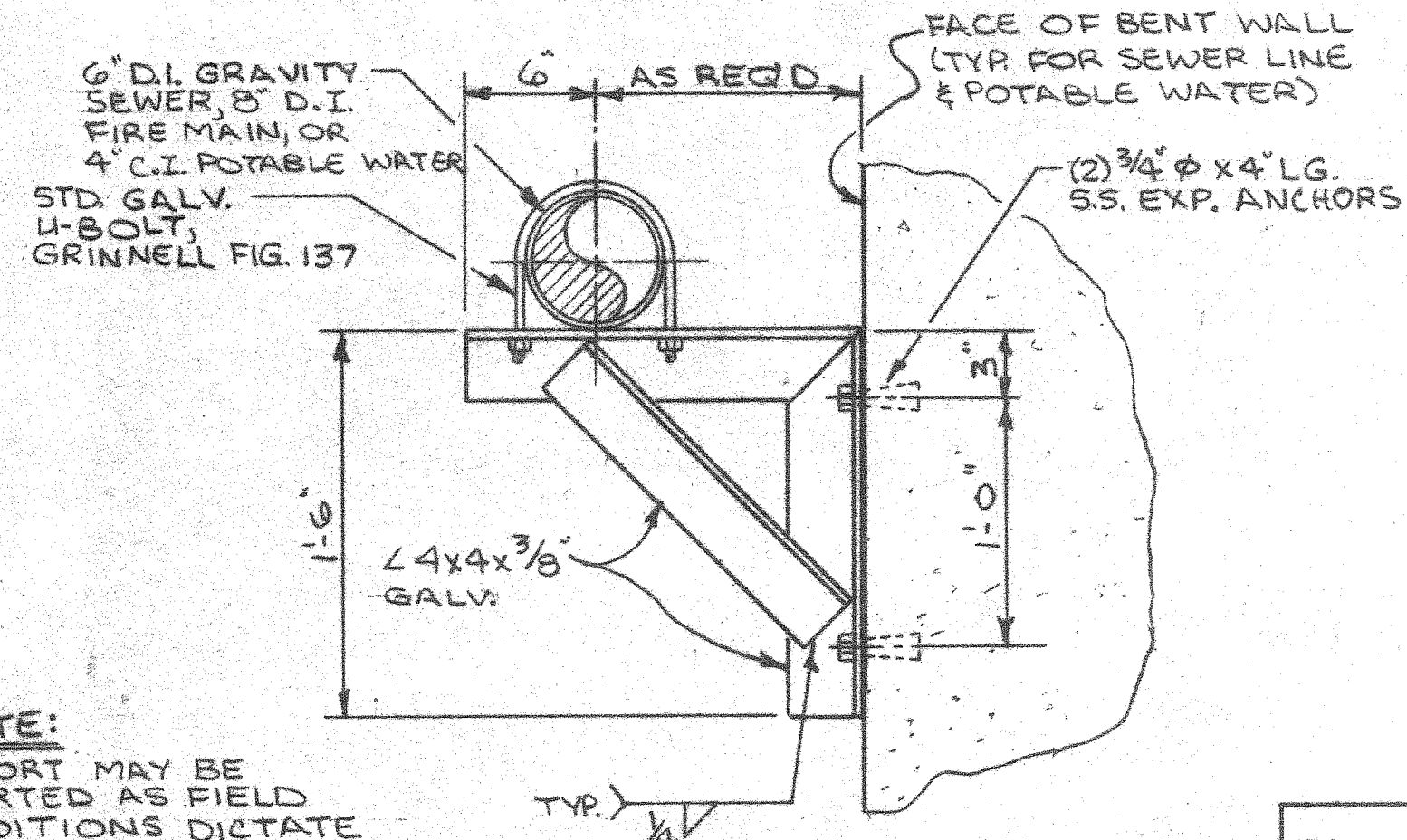
SCALE: NOTED
DATE: 7-20-87
RECOMMENDED:

DRAWN BY: LRH
TRACED BY:
CHECKED BY:

APPROVED:

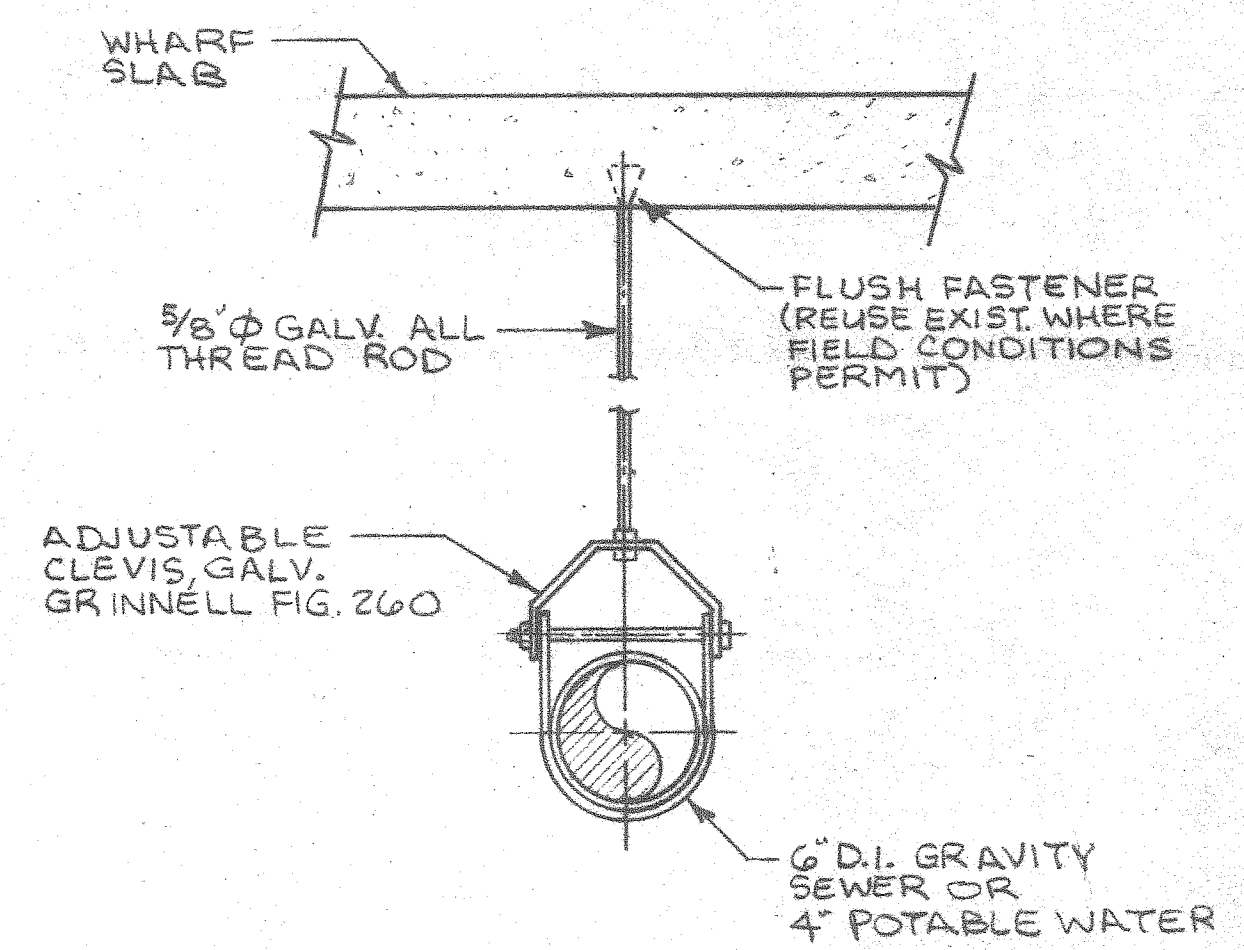
M-7

B-10-145-55

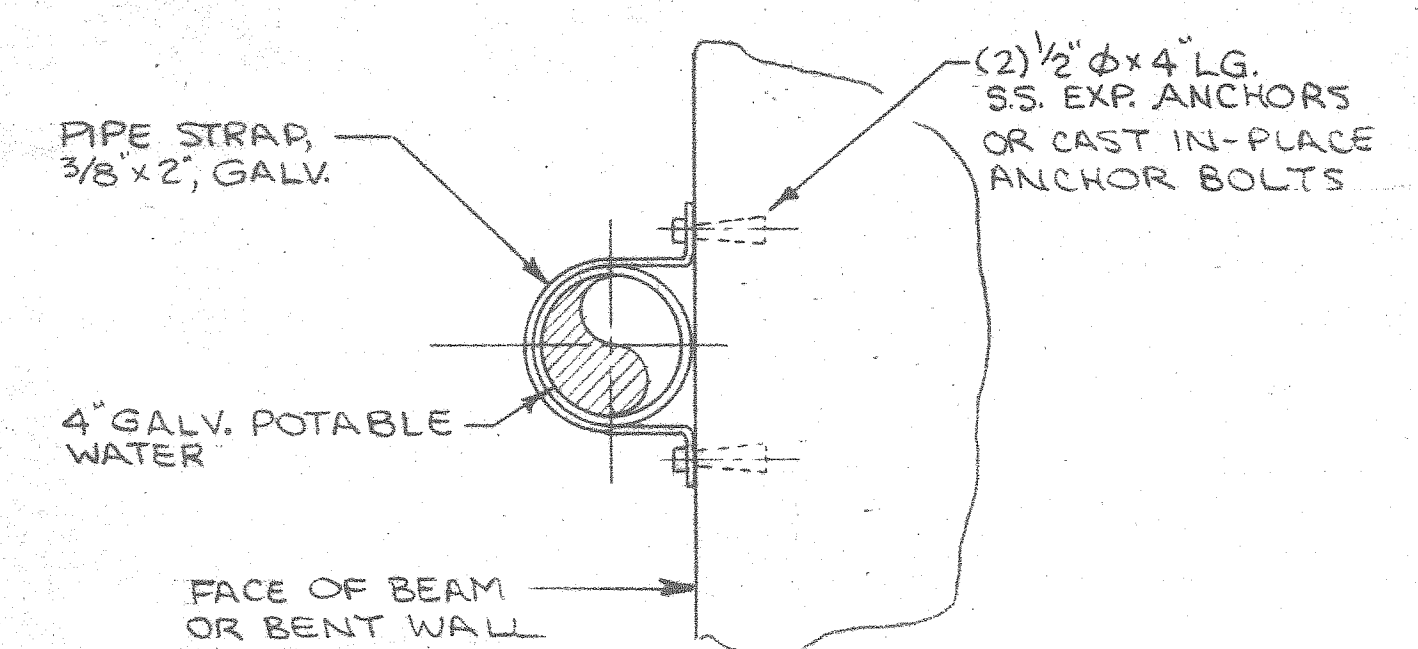


NOTE:
SUPPORT MAY BE
INVERTED AS FIELD
CONDITIONS DICTATE

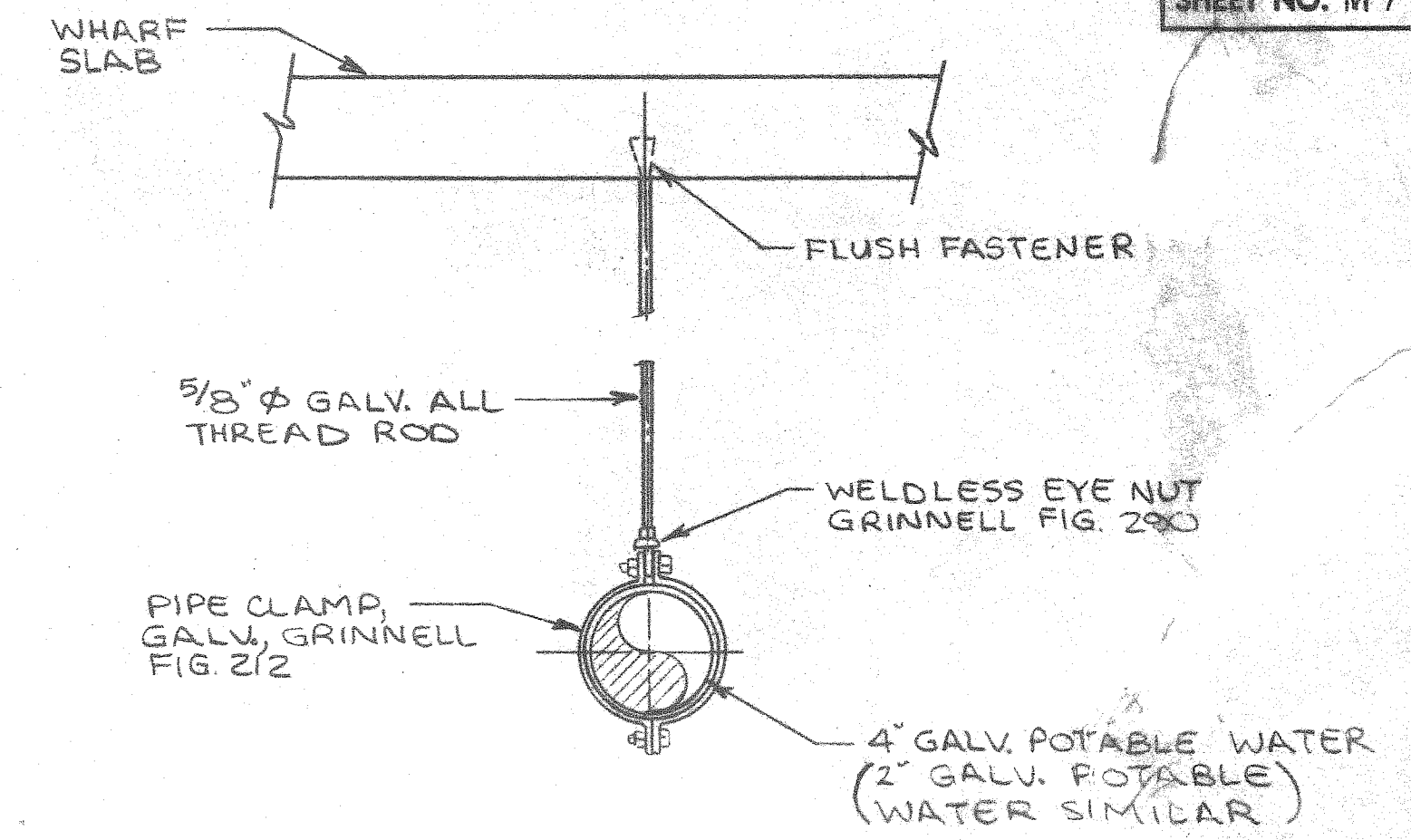
PS-1



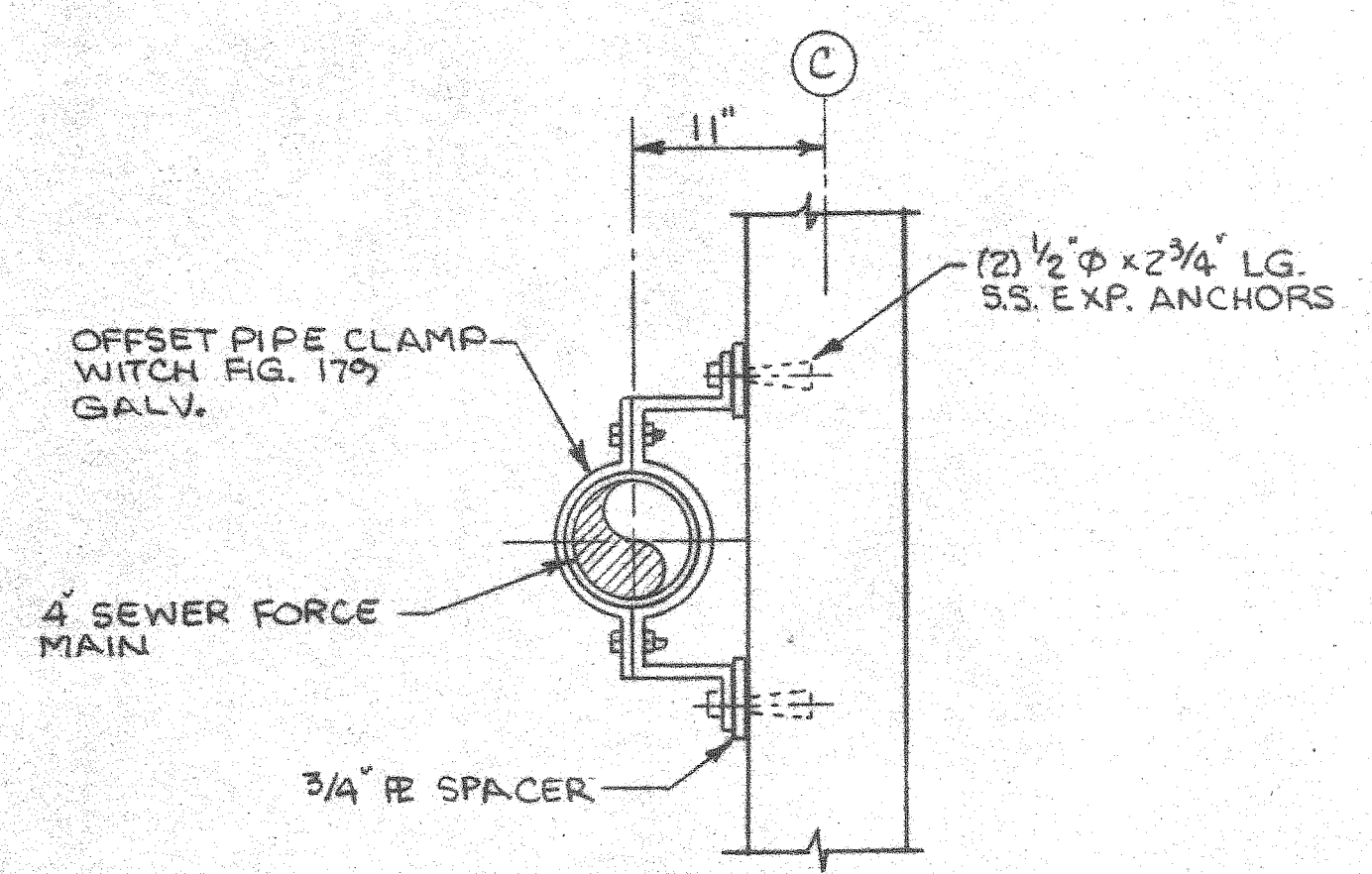
PS-2



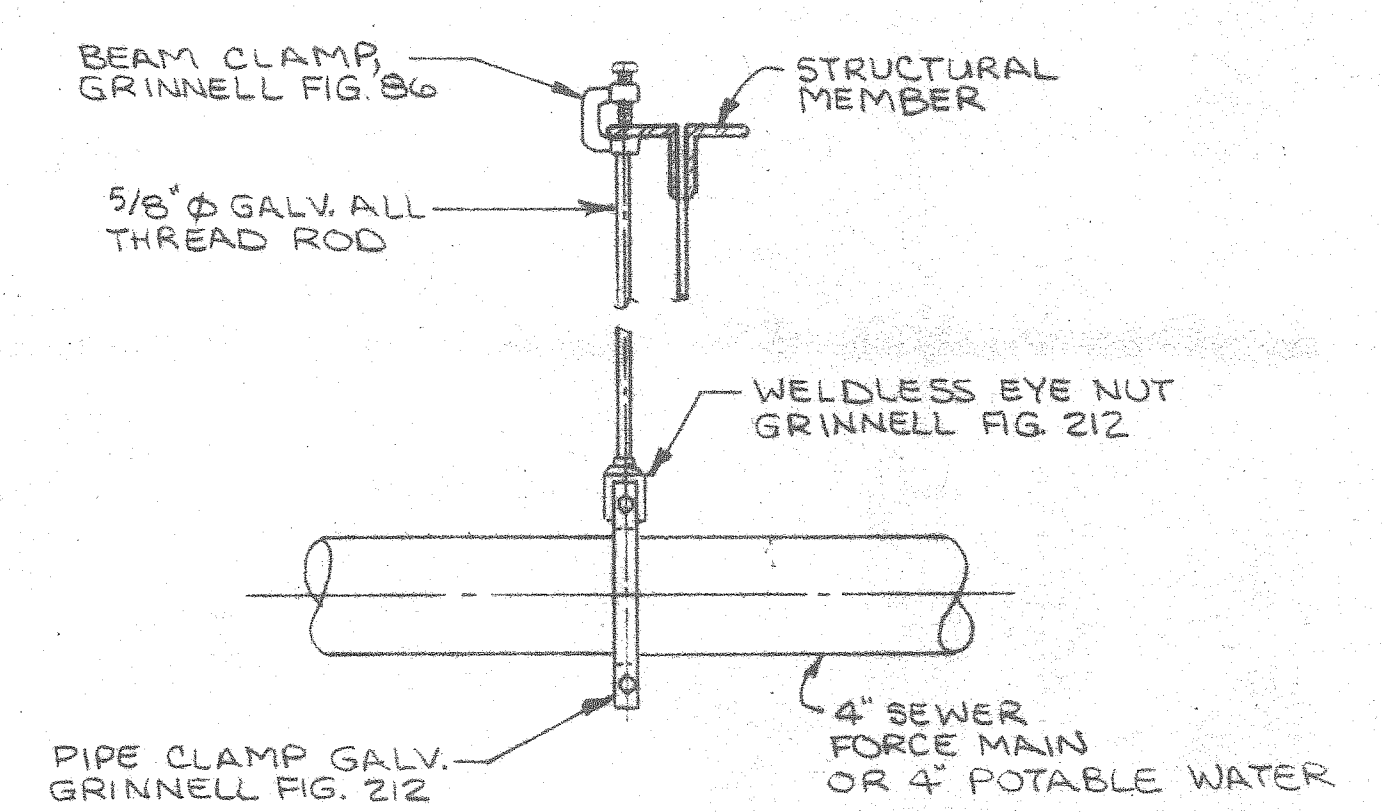
PS-3



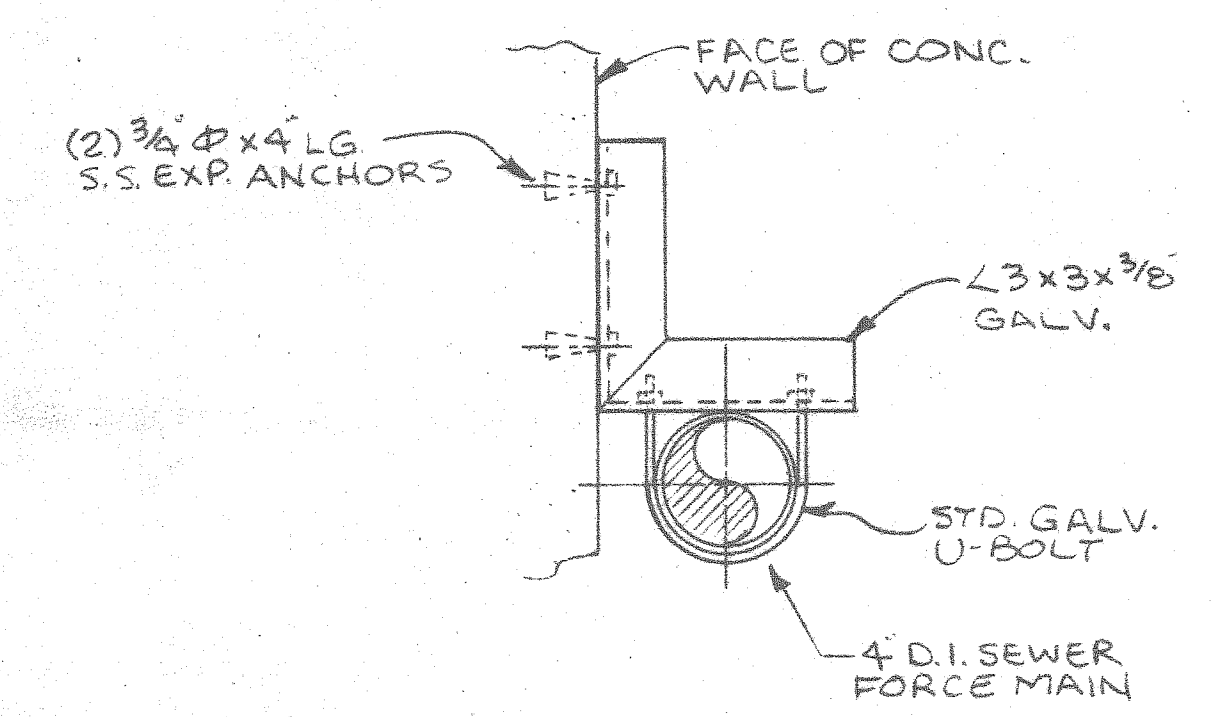
PS-4



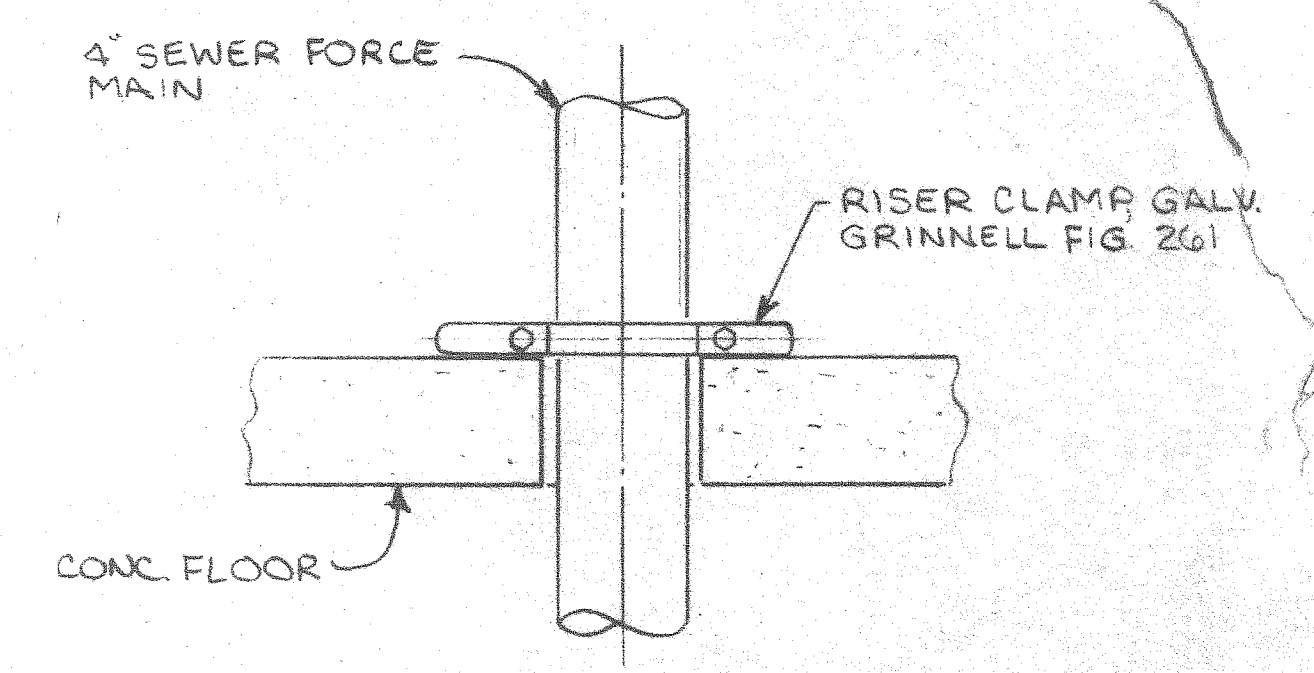
PS-5



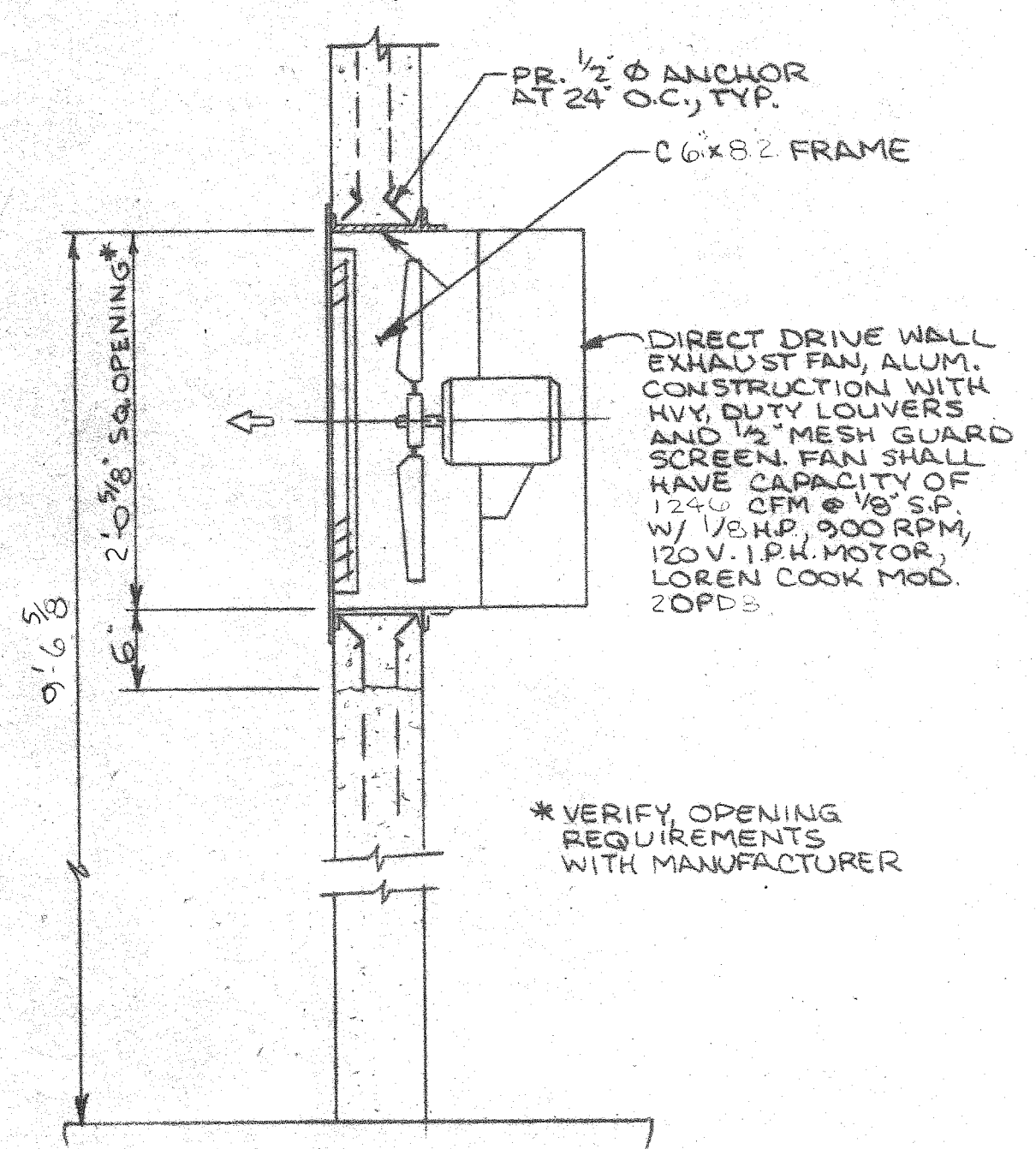
PS-6



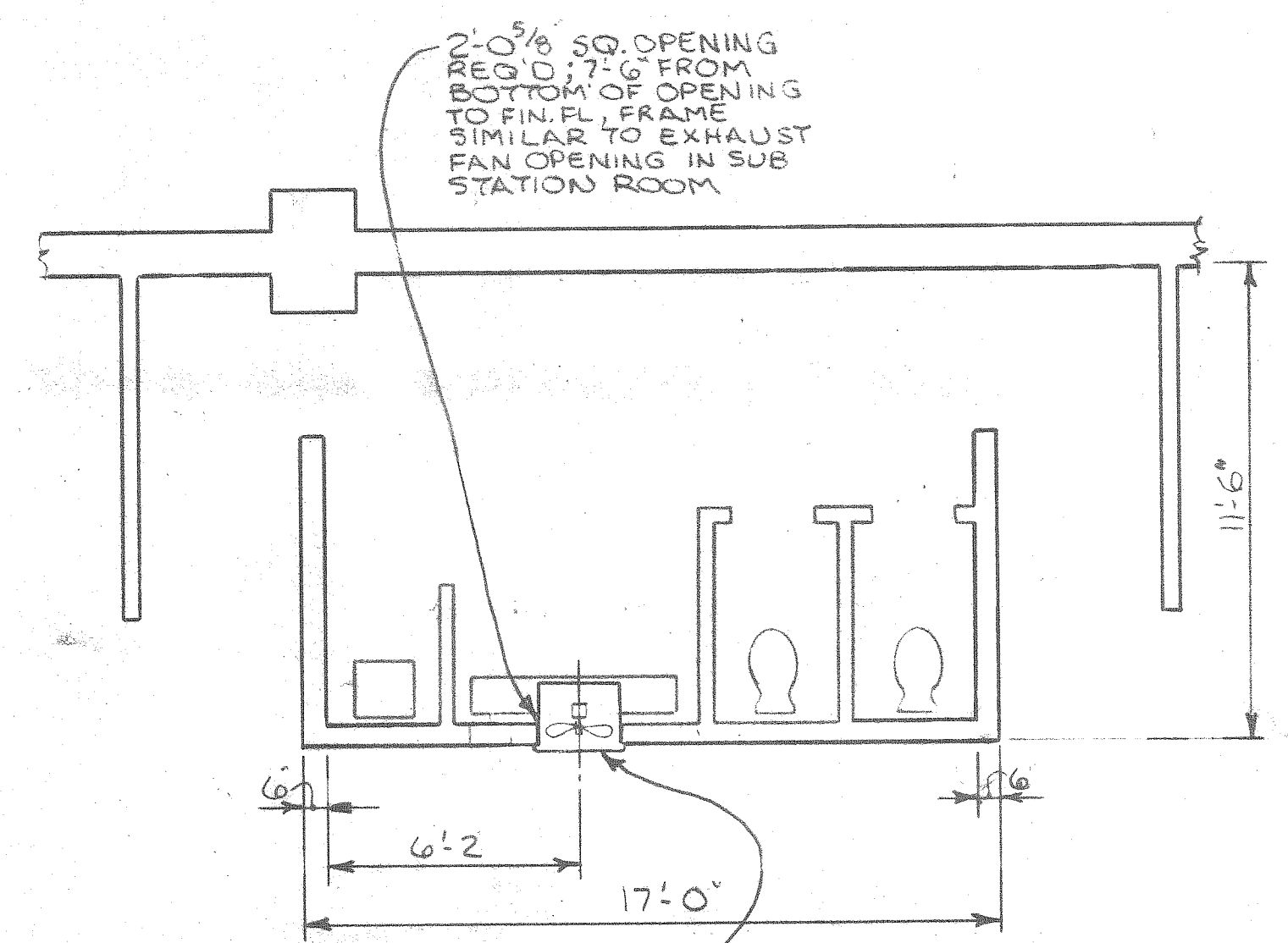
PS-7



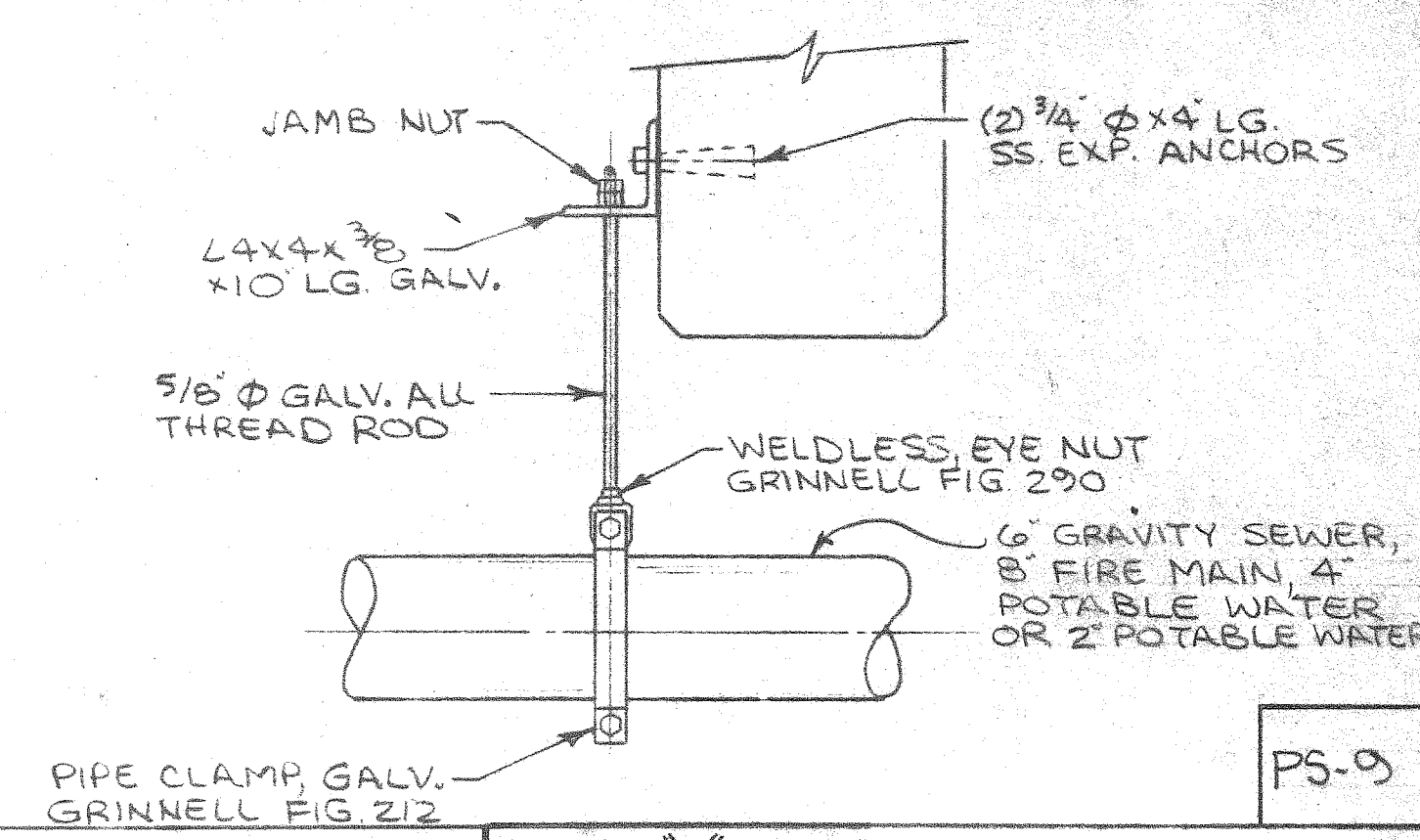
PS-8



TOILET ROOM EXHAUST FAN



PLAN - NEW TOILET ROOM VENTILATION (TYP 3 TOILET ROOMS)



PS-9

PIER "B" SOUTH REHABILITATION
PILE SUPPORTED
RELIEVING PLATFORM
ALABAMA STATE DOCKS

MOBILE, ALABAMA
PIER B SOUTH
MECHANICAL
PIPE SUP'T & VENTILATION DET'L

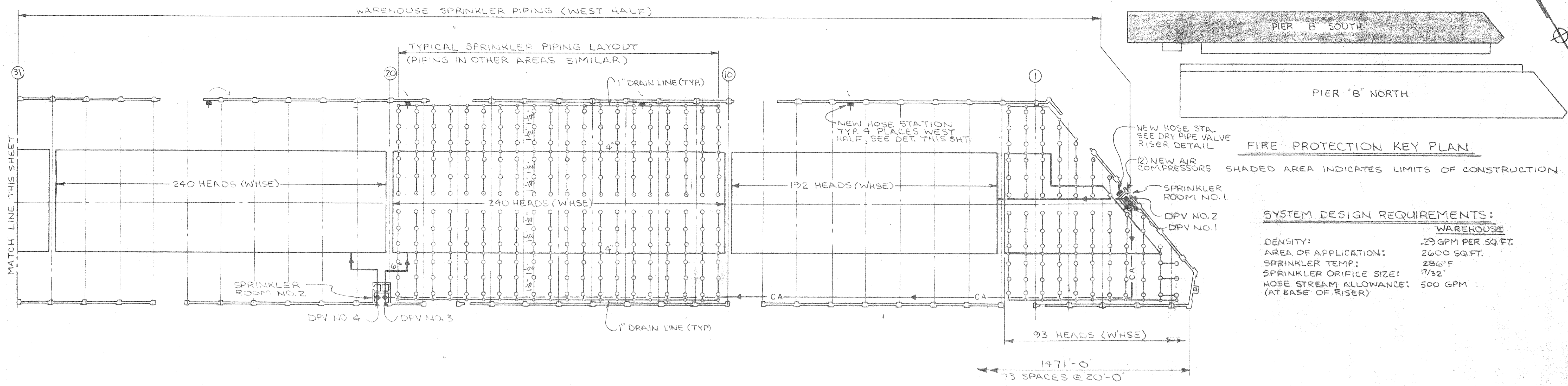
SCALE NOTED
DATE: 7-20-87
RECOMMENDED:

DRAWN BY: LRH
TRACED BY:
CHECKED BY:

APPROVED:

B-10-145-55A

REV. PER ADDENDUM N#1 9/25/87



FIRE PROTECTION KEY PLAN

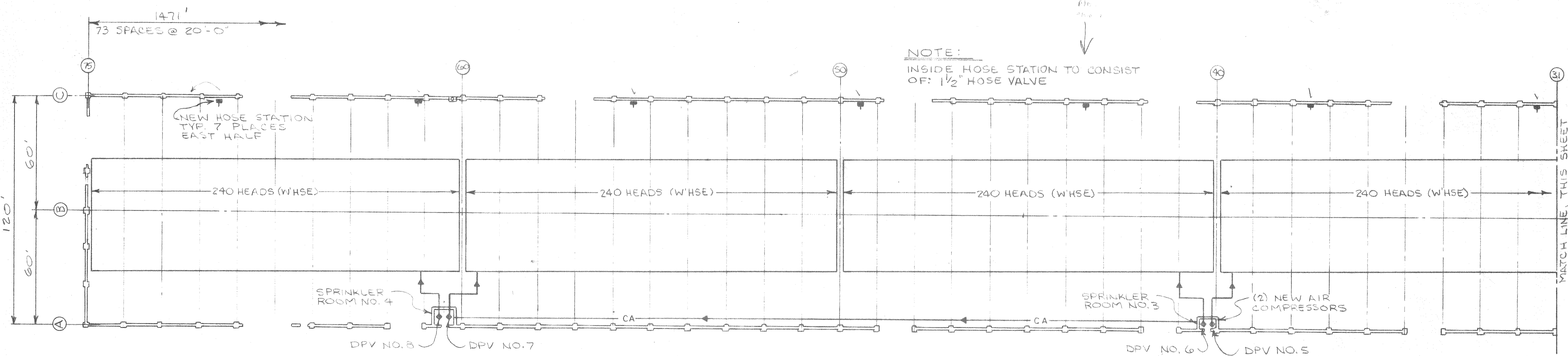
SHADED AREA INDICATES LIMITS OF CONSTRUCTION

SYSTEM DESIGN REQUIREMENTS:

WAREHOUSE	
DENSITY:	.29 GPM PER SQ. FT.
AREA OF APPLICATION:	2600 SQ. FT.
SPRINKLER TEMP:	286° F
SPRINKLER ORIFICE SIZE:	17/32"
HOSE STREAM ALLOWANCE:	500 GPM (AT BASE OF RISER)

PLAN - WEST HALF "B" SOUTH

1" = 30'

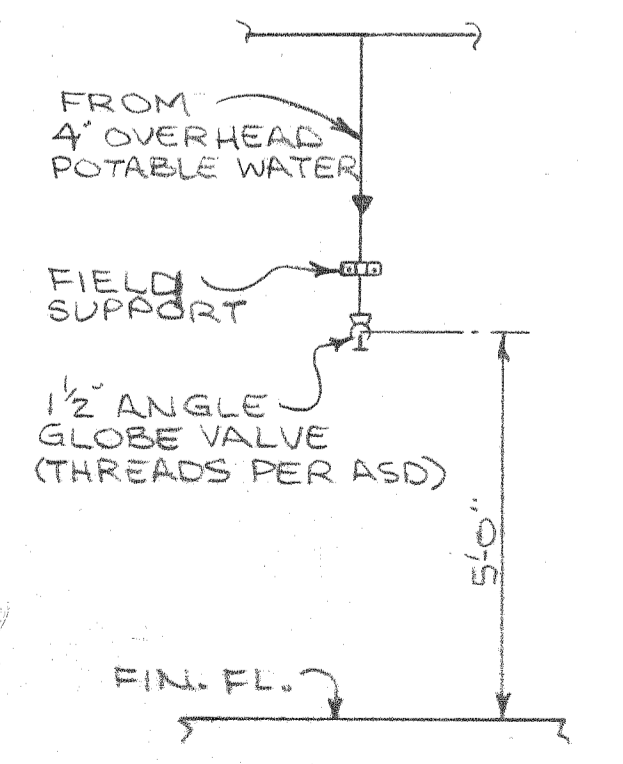


PLAN - EAST HALF "B" SOUTH

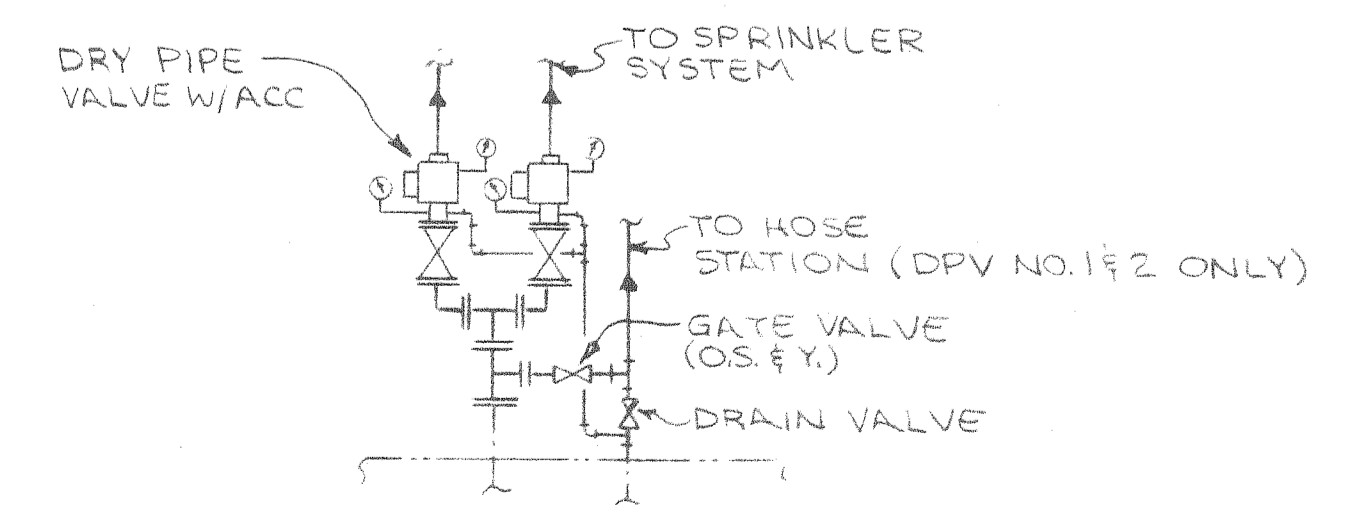
1" = 30'

LEGEND: (THIS DWG. ONLY)

- DPV NO. 1
- ◆ DRY PIPE VALVE
- ⊕ INSIDE HOSE STATION
- SPRINKLER HEAD
- PIPE RISER
- CA- COMPRESSED AIR LINE



HOSE STATION DET.



DRY PIPE VALVE RISER DETAIL

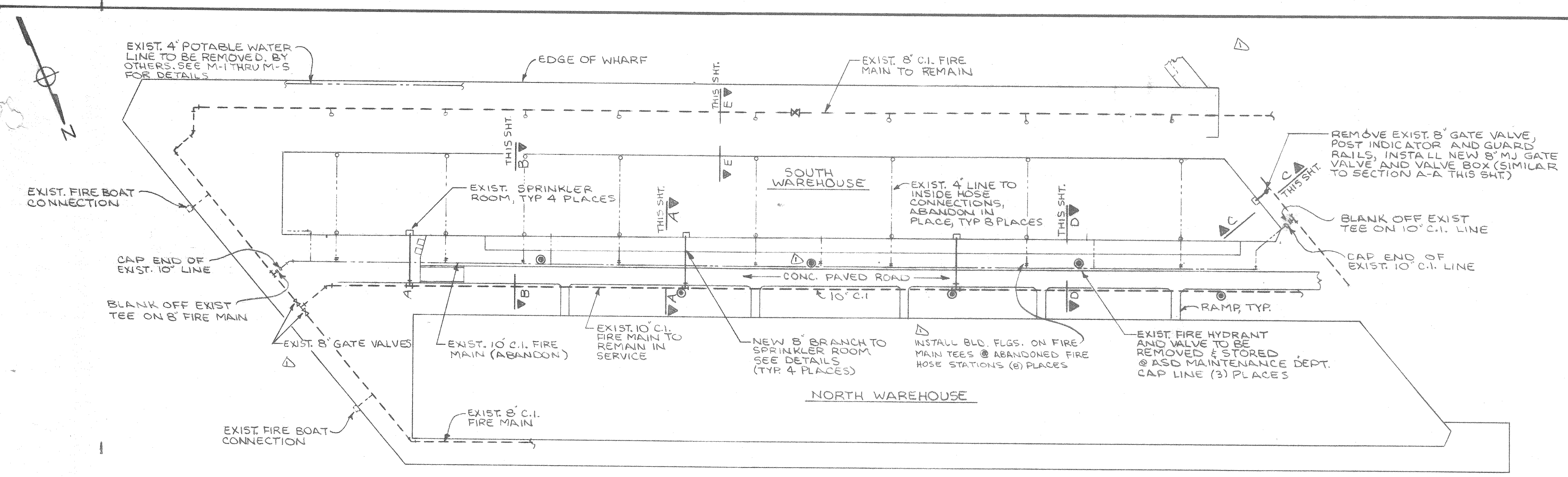
ALABAMA STATE DOCKS	
MOBILE, ALABAMA	
PIER "B" SOUTH REHAB. FIRE PROTECTION SPRINKLER PLAN	
SCALE: 1"=30'	DRAWN BY: L.R.H.
DATE: 8-28-87	TRACED BY: [Signature]
RECOMMENDED:	CHECKED BY: [Signature]
APPROVED:	FP-1
	B-10-145-56

NOTES:

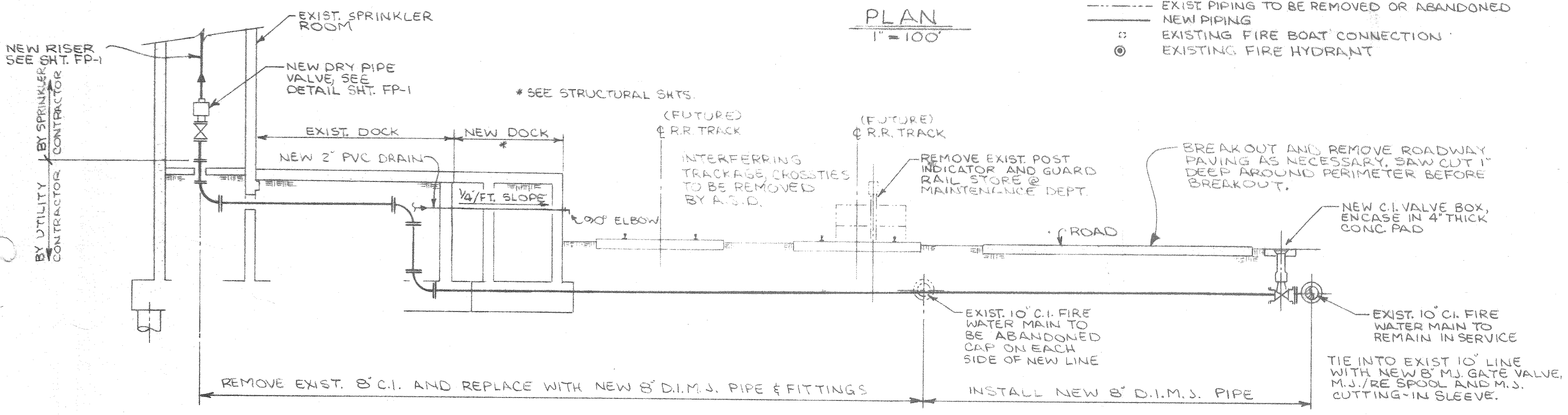
1. ALL NEW FIRE MAIN & RELATED PIPING SHALL BE DUCTILE IRON MECHANICAL JOINT WITH RETAINER GLANDS, UNLESS NOTED OTHERWISE.
2. STORE OR WASTE REMOVED PIPING & APPURTENANCES PER SCHEDULE BELOW. (REF. NOTE 8, SHT. M-1)

ITEM	"STORE"	"WASTE"
8" & LARGER FIRE MAIN PIPE & FITTINGS		•
FIRE HYDRANTS & POST INDICATORS	•	
GUARD RAILS	•	
4" & SMALLER BRANCH & HOSE CONN. PIPING & FITTINGS		•
ALL VALVES *	—	—
ALL HANGERS & SUPPORTS		•

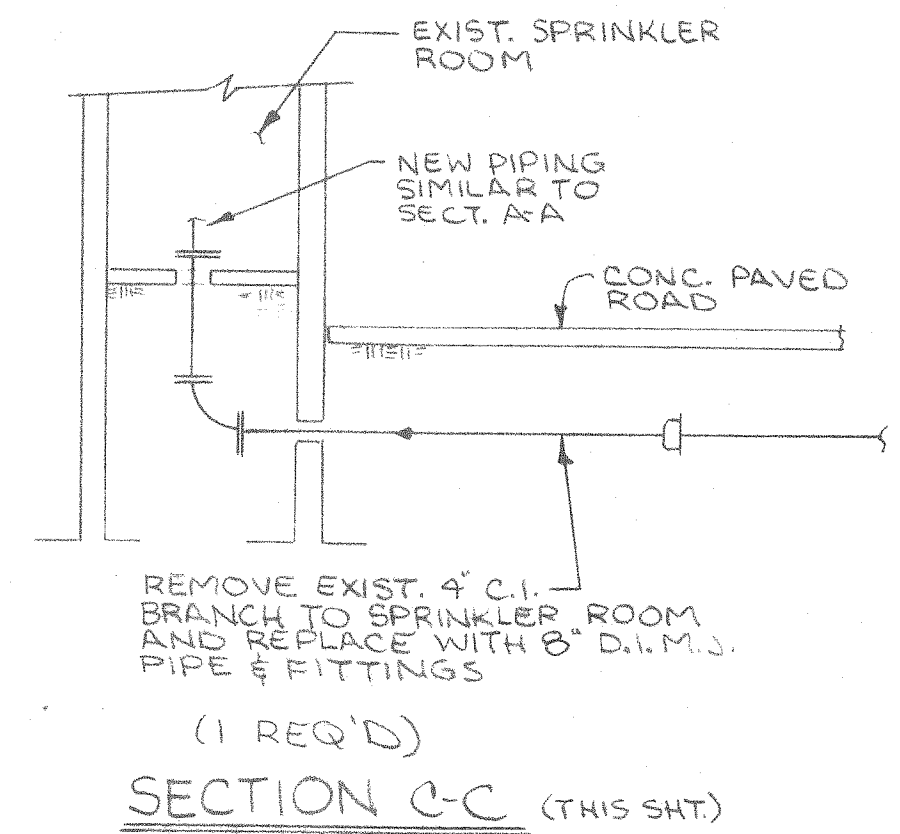
* AS DIRECTED BY ASD PROJECT INSPECTOR



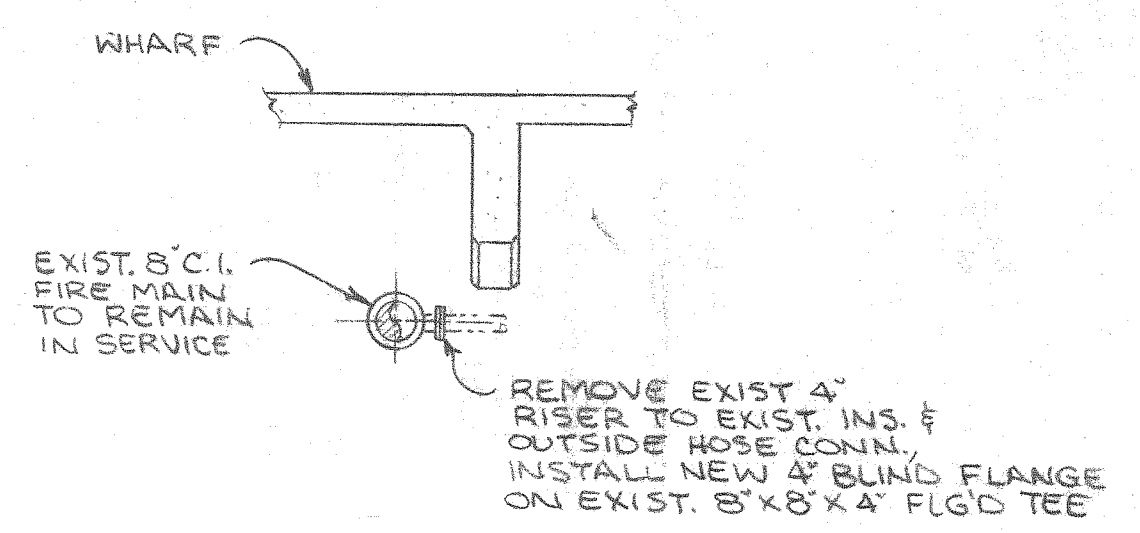
LEGEND: (THIS PLAN ONLY)
 - - - - - EXIST. PIPING TO REMAIN IN SERVICE
 - - - - - EXIST. PIPING TO BE REMOVED OR ABANDONED
 ——— NEW PIPING
 ⊕ EXISTING FIRE BOAT CONNECTION
 ⊙ EXISTING FIRE HYDRANT



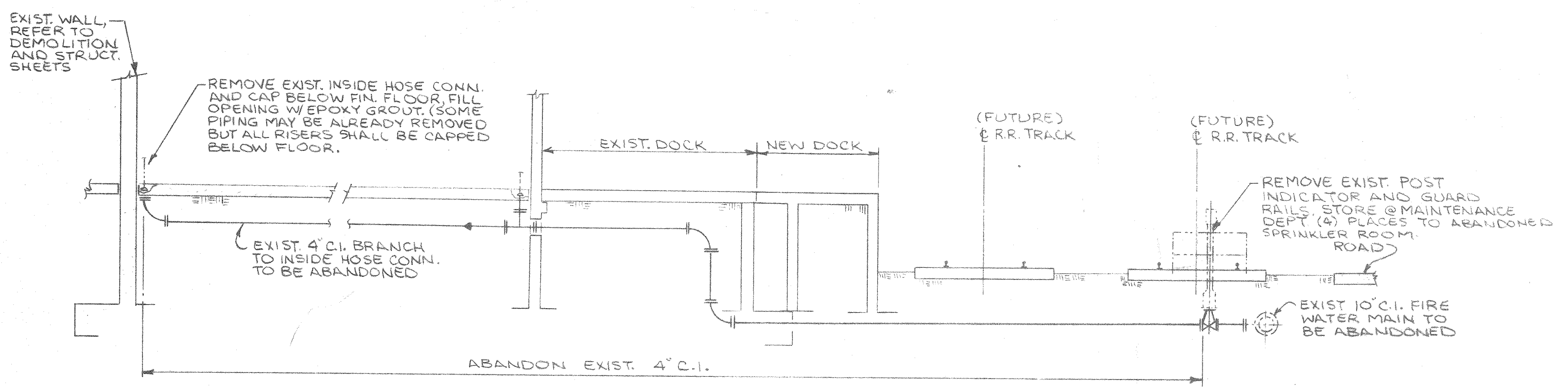
SECTION A-A (THIS SHT.)
 3/16" = 1'-0"
 (3 REQ'D)



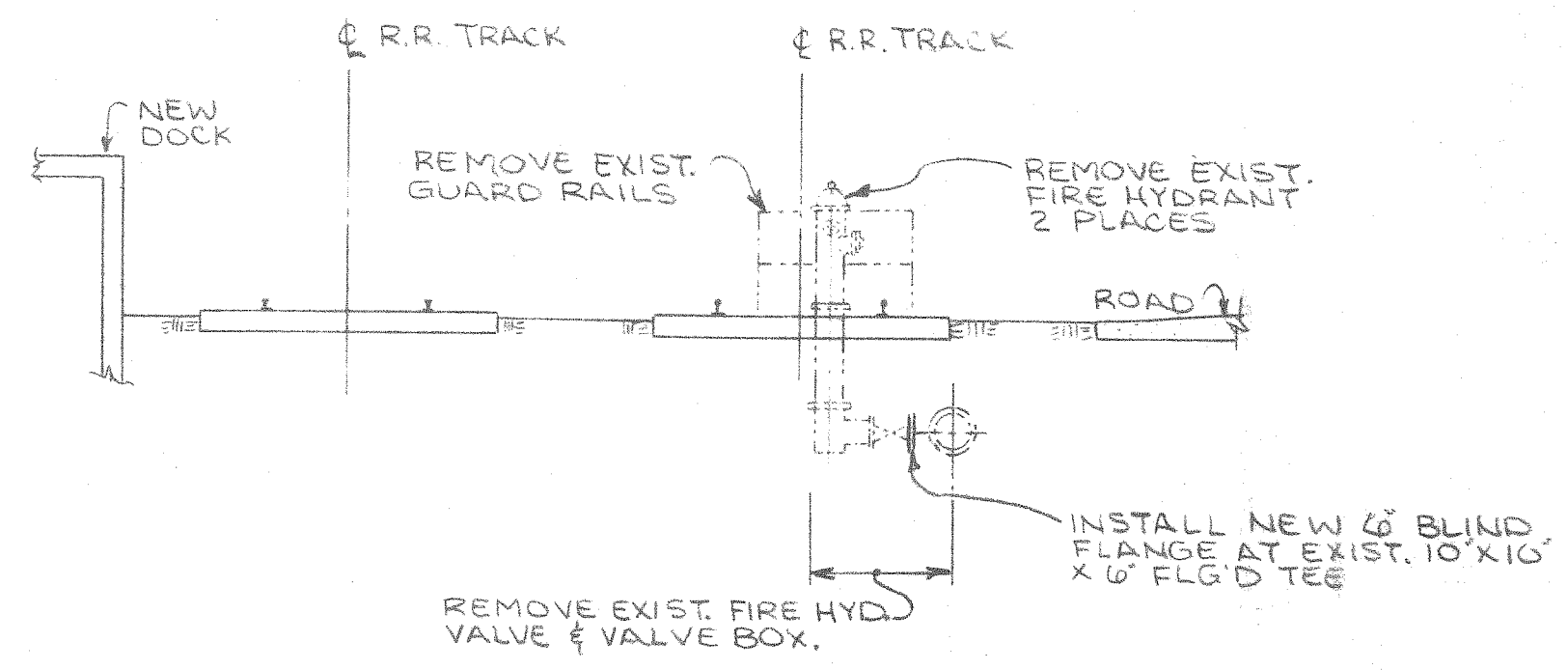
SECTION C-C (THIS SHT.)
 3/16" = 1'-0"
 (1 REQ'D)



SECTION E-E (THIS SHT.)
 1/4" = 1'-0"



SECTION B-B (THIS SHT.)
 3/16" = 1'-0"



SECTION D-D (THIS SHT.)
 3/16" = 1'-0"

AS BUILTS PER CHG. ORDER #2 3/28/88 LRH

ALABAMA STATE DOCKS

MOBILE, ALABAMA

PIER B SOUTH REHAB. FIRE PROTECTION FIRE MAIN PIPING PLAN

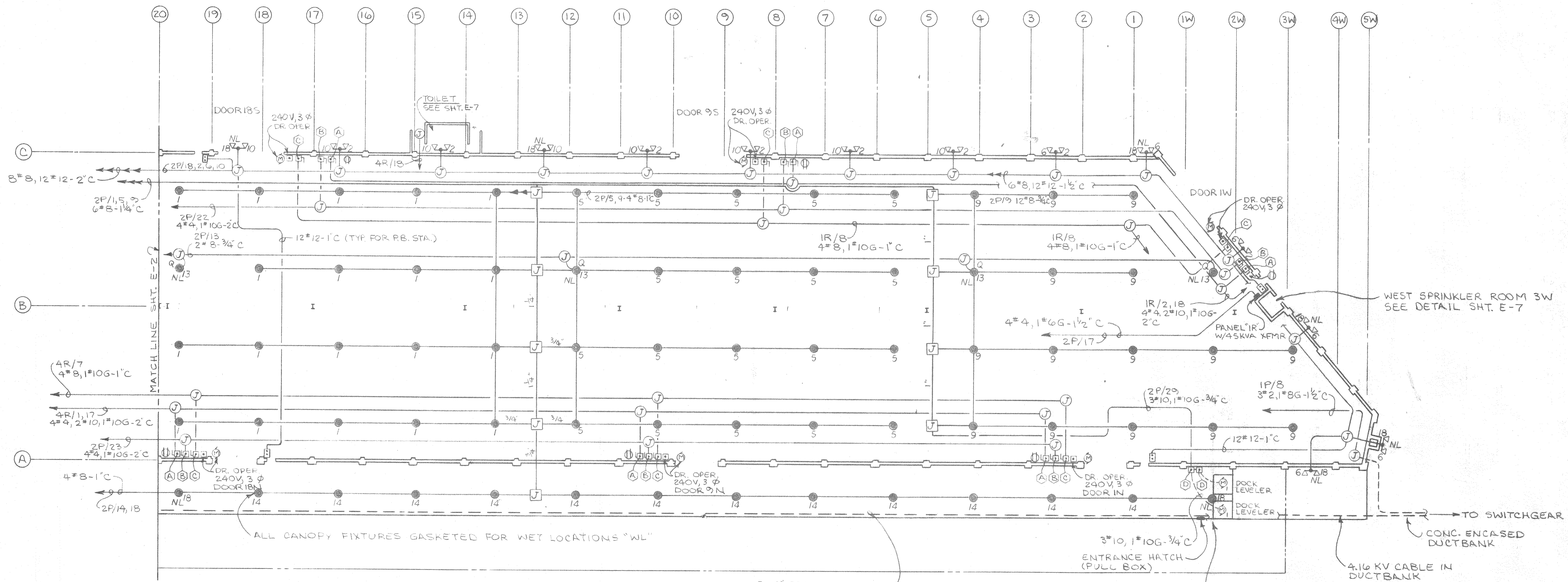
SCALE: 1"=100'
 DATE: 9-1-87
 RECOMMENDED:

DRAWN BY: LRH
 TRACED BY:
 CHECKED BY: *je*

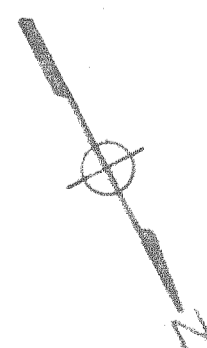
APPROVED:

FP-2

B-10-145-57



ELECTRICAL PLAN PIER 'B' SOUTH
 1" = 20'



- NOTES:
1. SEE SHEET E-5 FOR SYMBOL LEGENDS.
 2. SEE SHEET E-7 FOR FOR DETAIL ROOM ARRANGEMENTS AND MOUNTING DETAILS.

REV. PER AS BUILTS LRH 12/12/88

ALABAMA STATE DOCKS

MOBILE, ALABAMA

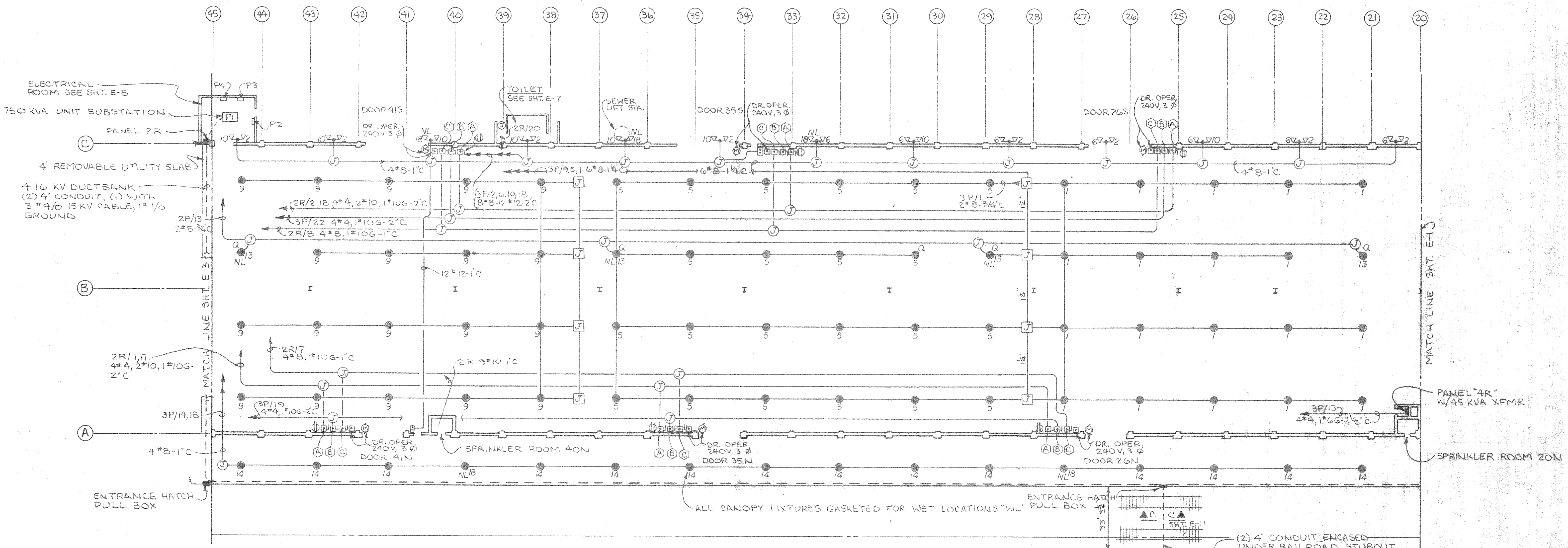
PIER 'B' SOUTH REHAB. ELECTRICAL PARTIAL PLAN

SCALE: 1"=20'
 DATE: 9-15-87
 RECOMMENDED:

DRAWN BY: LRH
 TRACED BY:
 CHECKED BY:

APPROVED:

B-10-145-58



ELECTRICAL PLAN PIER "B" SOUTH
 1" = 20'

ALABAMA STATE DOCKS
 MOBILE, ALABAMA

**PIER "B" SOUTH REHAB.
 ELECTRICAL
 PARTIAL PLAN**

SCALE: 1" = 20'
 DATE: 9-15-87
 RECOMMENDED:

DRAWN BY: LRH
 TRACED BY:
 CHECKED BY:

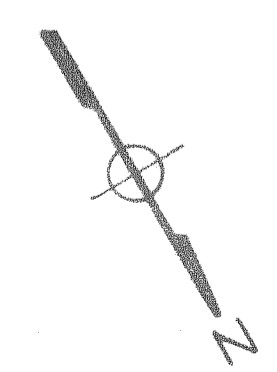
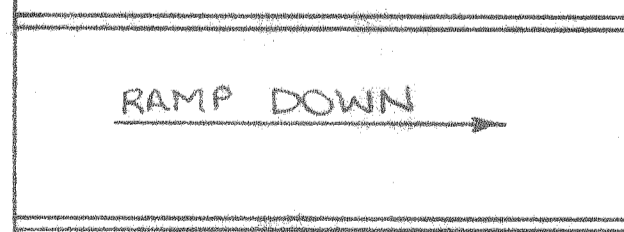
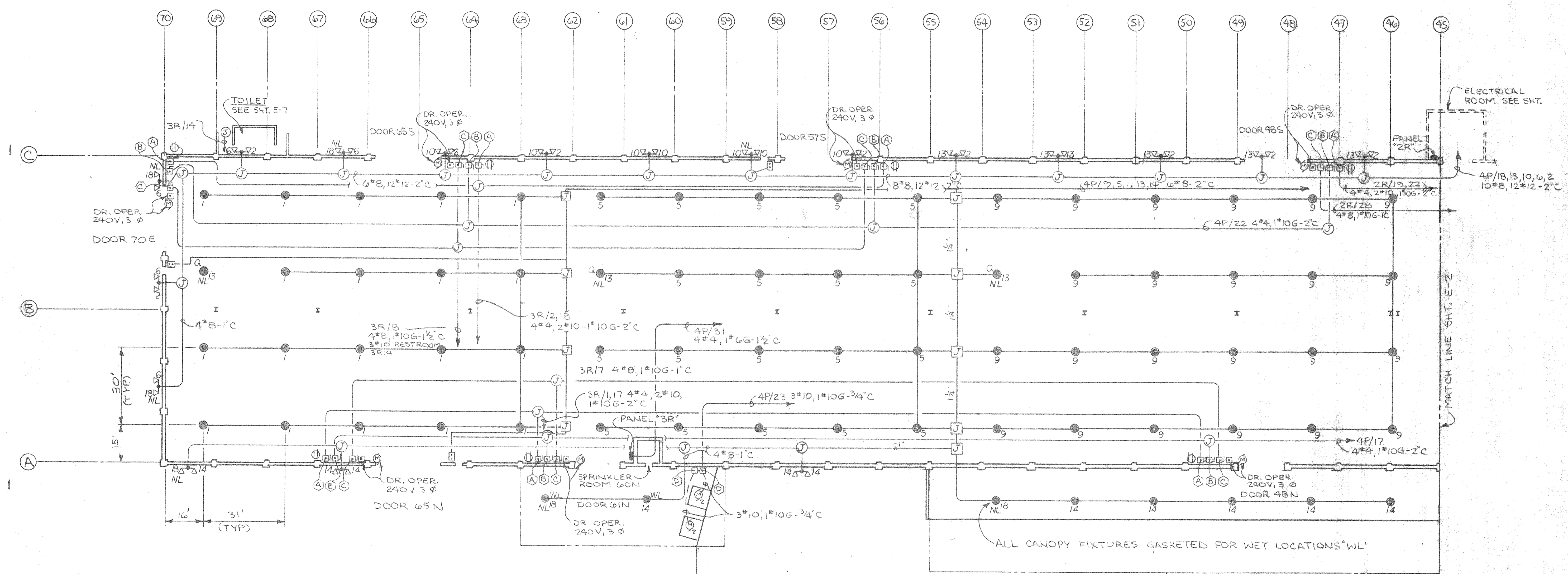
APPROVED:

REV. PER AS BUILTS LRH 12/12/88

(FUTURE CONNECTIONS)
 TO PIER "B" NORTH

(2) 4" CONDUIT ENCASES
 UNDER RAILROAD. STUBOUT
 5' BEYOND RAIL SEE DET'L SHT. E-11

B-10-145-59



ELECTRICAL PLAN PIER "B" SOUTH
1" = 20'

REV. PER AS BUILTS LRH 12/12/88
ALABAMA STATE DOCKS

MOBILE, ALABAMA
PIER "B" SOUTH REHAB.
ELECTRICAL
PARTIAL PLAN

SCALE: 1"=20'
DATE: 9-15-87
RECOMMENDED:
DRAWN BY: LRH
TRACED BY:
CHECKED BY:

APPROVED:
B-10-145-60

PANEL 1P PHASE 3 WIRES 4 VOLTAGE 480/277 BUS RATING 1200A MOUNTING _____
MFG./TYPE SQ-D I-LINE HCW ENCLOSURE UNIT SUBSTATION/MODIFICATION M.L.O.

DESCRIPTION	LOAD (KVA)	FRAME	TRIP	CKT. NO.	A B C	CKT. NO.	TRIP	FRAME	LOAD (KVA)	DESCRIPTION
PANEL 2P	157.2		225A/3P	1	•	2			154	PANEL 3P
				3	•	4	225A/3P			
				5	•	6				
PANEL 4P	174.2		225A/3P	7	•	8			45	XFMR FOR PANEL "S" 120/240V XFMR SWGR/CAFE
				9	•	10	60A/2P			
				11	•	12				SPACE
SEWAGE LIFT STATION	10.0		30A/3P	13	•	14			77.5	XFMR FOR PANEL "2R" 120/240V XFMR ELECT. ROOM
				15	•	16	100/3P			
				17	•	18				
				19	•	20				
				21	•	22				
				23	•	24				
				25	•	26				
				27	•	28				
				29	•	30				
				31	•	32				
				33	•	34				
				35	•	36				
				37	•	38				
				39	•	40				
				41	•	42				

TOTAL LOAD 617.9 KVA (CONNECTED)

PANEL 3P PHASE 3 WIRES 4 VOLTAGE 480/277V BUS RATING 225A MOUNTING SURF.
MFG./TYPE SQ D NEHB ENCLOSURE NEMA 1 MODIFICATION 225A MAIN C/B

DESCRIPTION	LOAD (KVA)	FRAME	TRIP	CKT. NO.	A B C	CKT. NO.	TRIP	FRAME	LOAD (KVA)	DESCRIPTION
LIGHTS CTR. CONTR N°2	9.1		25/2P	1	•	2			8.6	FLOODS PIER CTR.
				3	•	4	25/2P			
LIGHTS CTR. CONTR N°2	10.6		25/2P	5	•	6			7.5	FLOODS PIER CTR.
				7	•	8	25/2P			
LIGHTS CTR. CONTR N°2	9.1		25/2P	9	•	10			8.6	FLOODS PIER CTR.
				11	•	12	25/2P			
240V/120V XFMR CTR FOR PANEL 4R	34.0		60/3P	13	•	14			6.7	CANOPY LGTS. CTR.
				15	•	16	25/2P			
				17	•	18			3.8	EXTERIOR CTR NIGHT LGTS.
				19	•	20	20/2P			
480V PWR DISC CTR N°2 DOORS 26N, 35N, 41N	31.8		50/3P	21	•	22			31.8	480V PWR. DISC. CTR. SO. DOORS 26S, 35S, 41S
				23	•	24	50/3P			
				25	•	26				
				27	•	28				
				29	•	30				
				31	•	32				
				33	•	34				
				35	•	36				
				37	•	38				
				39	•	40				
				41	•	42				

TOTAL LOAD 154 KVA

PANEL 2P PHASE 3 WIRES 4 VOLTAGE 480/277V BUS RATING 225A MOUNTING SURF.
MFG./TYPE SQ-D NEHB ENCLOSURE NEMA 1 MODIFICATIONS 225A MAIN C/B

DESCRIPTION	LOAD (KVA)	FRAME	TRIP	CKT. NO.	A B C	CKT. NO.	TRIP	FRAME	LOAD (KVA)	DESCRIPTION
LIGHTS WEST CONTR N°3	9.1		20/2P	1	•	2			6.4	FLOODS PIER WEST
				3	•	4	20/2P			
LIGHTS WEST CONTR N°3	9.1		20/2P	5	•	6			8.6	FLOODS PIER WEST
				7	•	8	20/2P			
LIGHTS WEST CONTR N°3	4.8		20/2P	9	•	10			8.6	FLOODS PIER WEST
				11	•	12	20/2P			
INTERIOR NIGHT LIGHTS	4.8		20/2P	13	•	14			5.7	CANOPY LIGHTS WEST
				15	•	16	20/2P			
240/120V XFMR - WEST FOR PANEL 1R	34.0		60/3P	17	•	18			6.4	EXTERIOR WEST NIGHT LIGHT
				19	•	20	20/2P			
480V PWR. DISC NORTH DOORS 1N, 9N, 18N	31.8		50/3P	21	•	22			31.8	480V PWR. DISC. SOUTH DOORS 1W, 9S, 18S
				23	•	24	50/3P			
				25	•	26				
				27	•	28				
				29	•	30				
DOCK LEVELERS WEST	2.0		20/3P	31	•	32				
				33	•	34				
				35	•	36				
				37	•	38				
				39	•	40				
				41	•	42				

TOTAL LOAD 157.2 KVA

PANEL 4P PHASE 3 WIRES 4 VOLTAGE 480/277V BUS RATING 225A MOUNTING SURF.
MFG./TYPE SQ-D NEHB ENCLOSURE NEMA 1 MODIFICATIONS 225A MAIN C/B

DESCRIPTION	LOAD (KVA)	FRAME	TRIP	CKT. NO.	A B C	CKT. NO.	TRIP	FRAME	LOAD (KVA)	DESCRIPTION
LIGHTS EAST CONTR N°1	9.1		25/2P	1	•	2			8.6	FLOODS PIER EAST
				3	•	4	25/2P			
LIGHTS EAST CONTR N°1	9.1		25/2P	5	•	6			6.4	FLOODS PIER EAST
				7	•	8	25/2P			
LIGHTS EAST CONTR N°1	11.4		25/2P	9	•	10			6.4	FLOODS PIER EAST
				11	•	12	25/2P			
FLOODS PIER EAST	6.4		25/2P	13	•	14			8.2	CANOPY LGTS EAST
				15	•	16	25/2P			
480V PWR DISC. NORTH DOORS 48N, 60N, 65N	31.8		50/3P	17	•	18			5.8	EXTERIOR EAST NIGHT LIGHTS
				19	•	20	25/2P			
				21	•	22			31.8	480V PWR DISC. SOUTH DOORS 48S, 57S, 65S, 70E
				23	•	24	50/3P			
DOCK LEVELERS EAST	2.0		20/3P	25	•	26				
				27	•	28				
				29	•	30				
				31	•	32				
240V/120V XFMR EAST END FOR PANEL 3R	45		60/3P	33	•	34				
				35	•	36				
				37	•	38				
				39	•	40				
				41	•	42				

TOTAL LOAD 174.2 KVA

ALABAMA STATE DOCKS
MOBILE, ALABAMA

PIER "B" SOUTH ELECTRICAL POWER PANEL SCHEDULES

SCALE: _____ DATE: 9-22-87 DRAWN BY: LRH
RECOMMENDED: _____ TRACED BY: _____
CHECKED BY: _____

E-4

APPROVED: _____ B-10-145-61

REV. PER AS BUILTS LRH 12/2/88

PANEL 1R PHASE 3 WIRES 4 VOLTAGE 120/240 BUS RATING 225A MOUNTING SURF
MFG/TYPE SQ. D NQO ENCLOSURE NEMA 1 MODIFICATION 125A MAIN C/B

DESCRIPTION	LOAD (KVA)	FRAME	TRIP	CKT. N ^o .	A B C	CKT. N ^o .	TRIP	FRAME	LOAD (KVA)	DESCRIPTION
SPARE	—		50/3P	1	•	2				
				3	•	4	50/3P		21	PWR. DISC. 1W, 95, 185
				5	•	6				
SPARE	—		20/3P	7	•	8				
				9	•	10	20/3P		7.5	DOOR OPERATOR 1W, 95, 185
				11	•	12				
AIR COMP #1	1.2		30/1P	13	•	14	30/1P		1.2	AIR COMP. #2
SPRINKLER RM HEATER	1.5		20/1P	15	•	16	20/1P		0.2	SPRINKLER RM LGHT
SPARE	—		20/1P	17	•	18	20/1P		1.2	RECPT. 1W, 95, 185
				19	•	20				
				21	•	22				
				23	•	24				
				25	•	26				
				27	•	28				
				29	•	30				
				31	•	32				
TOTAL LOAD 33.8 KVA										

EQUIPMENT SCHEDULE

- Q
LOW BAY HID LIGHTING FIXTURE, 400W HPS 480V, 55°C AMBIENT OPERATION, DOUBLE FUSES, Q = QUARTZ RESTRIKE LAMP, WL = GASKETED FOR WET LOCATIONS, LITHONIA HI-TEK OR APPROVED EQUAL MODEL TX-400-S-PRW WITH ACCESSORIES AS NOTED.
- WL 5
FLOODLIGHTS, OUTDOOR, DIE CAST ALUMINUM HOUSING, DARK BRONZE FINISH, TEMPERED GLASS LENS, 480V, 1000W CLEAR METAL HALIDE LAMP, NEMA 6X5 DISTRIBUTION, DOUBLE FUSE, YOKE SLIPFITTER AND TOP VISOR ON ALL UNITS, LITHONIA HI-TEK TF-1000M-RA3 OR APPROVED EQUAL BY G.E. OR APPLETON.
- A
INCANDESCENT WALL BRACKET FIXTURE, 100W, 120V, CROUSE-HINDS CAT. # VXHB15GP, WITH LAMP.
- AF
VAPORTIGHT FLUORESCENT FIXTURE, PENDANT MOUNT, (2) F40-T12 R.S.C.W. LAMPS, VANDAL RESISTANT, WET LOCATION, LOW TEMP. BALLAST, LITHONIA VRI-248-AR-120-CW.
- HTR
ELECTRIC WALL MOUNTED FAN FORCED HEATER, 1500W, 120V, 1φ, BUILT-IN THERMOSTAT, SURFACE MOUNT, AIR FLOW UP, BERKO MODEL SR-1512 OR EQUAL.

PANEL 2R PHASE 3 WIRES 4 VOLTAGE 120/240V BUS RATING 225A MOUNTING SURF
MFG/TYPE SQ. D NQO ENCLOSURE NEMA 1 MODIFICATION 225A MAIN C/B

DESCRIPTION	LOAD (KVA)	FRAME	TRIP	CKT. N ^o .	A B C	CKT. N ^o .	TRIP	FRAME	LOAD (KVA)	DESCRIPTION
PWR. DISC. 26N, 35N, 41N	21		50/3P	1	•	2				
				3	•	4	50/3P		21	PWR DISC. 26S, 35S, 41S
				5	•	6				
DOOR OPERATORS 26N, 35N, 41N	7.5		20/3P	7	•	8				
				9	•	10	20/3		7.5	DOOR OPERATOR'S 26S, 35S, 41S
				11	•	12				
AIR COMR #1	1.2		30/1P	31	•	26	30/1P		1.2	AIR COMP. #2
SPRINKLER ROOM 40N HTR.	1.5		20/1P	33	•	42	20/1P		0.2	SPRINKLER RM. 40N LGT.
RECPT. 26N, 35N, 41N	1.2		20/1P	35	•	28	20/1P		1.2	RECEPT. 26S, 35S, 41S
RECPT. 48S	.5		20/1P	19	•	30	20/1P		.3	RESTROOM COL. 39 LIGHTS
RECPT. ELECT. ROOM & LIGHTS	.6		20/1P	37	•	20				
LIGHTS ELECT. ROOM	1.0		20/1P	23	•	22	50/3P		2.1	PWR. DISC. 48S
LIGHTING CONTROL WEST	.5		20/1P	25	•	24				
LIGHTING CONTROL CENTER	.5		20/1P	41	•	19				
LIGHTING CONTROL EAST	.5		20/1P	29	•	21	20/3P		4.0	DOOR OPERATOR 48S
				31	•	23				
ELECT. ROOM A/C	20		70/3P	13	•	14				
				15	•	16	20/3P		1.5	AIR HANDLING UNIT
				17	•	18				
				39	•	40				
				41	•	42				
TOTAL LOAD 95 KVA (CONNECTED)										

SYMBOL LEGEND

- S
20A-1P-120V TOGGLE SWITCH, SPEC. GRADE, IVORY WITH S.S. COVER, HUBBELL # 1221.
- D
20A-125V DUPLEX RECEPTABLE, GND TYPE, IVORY WITH S.S. COVER, SPEC. GRADE HUBBELL # 5362.
- HOMERUN CIRCUIT TO PANEL, ARROWS DENOTE N° OF CIRCUITS, SIZE OF CONDUCTORS AND CONDUIT AS NOTED. ALL WIRING SHALL BE RATED 90°C, TYPE THHN.
- PUSHBUTTON STATION, HEAVY DUTY, OIL TIGHT, NEMA 4, DIE CAST ALUMINUM HOUSING, SIX PB'S, 3 WITH "ON" LEGEND, 3 WITH "OFF" LEGEND. SQUARE D CLASS 9001.

DISCONNECT SWITCH SCHEDULE

- A
60A-3P-240V FUSIBLE DISC. SWITCH, NEMA 1, FUSE AT 60A.
- B
60A-3P-480V FUSIBLE DISC. SWITCH, NEMA 1, FUSE AT 50A.
- C
30A-3P-240V FUSIBLE DISC. SWITCH, NEMA 1, FUSE AT 20A.
- D
COMBINATION STARTER, MAGNETIC ONLY C/B, 460V, 3φ, SIZE 1, FOR 2HP MOTOR, NEMA 4X ENCL., SQ. D TYPE SCW-52.

REV. PER AS BUILTS LRH 12/12/88

ALABAMA STATE DOCKS

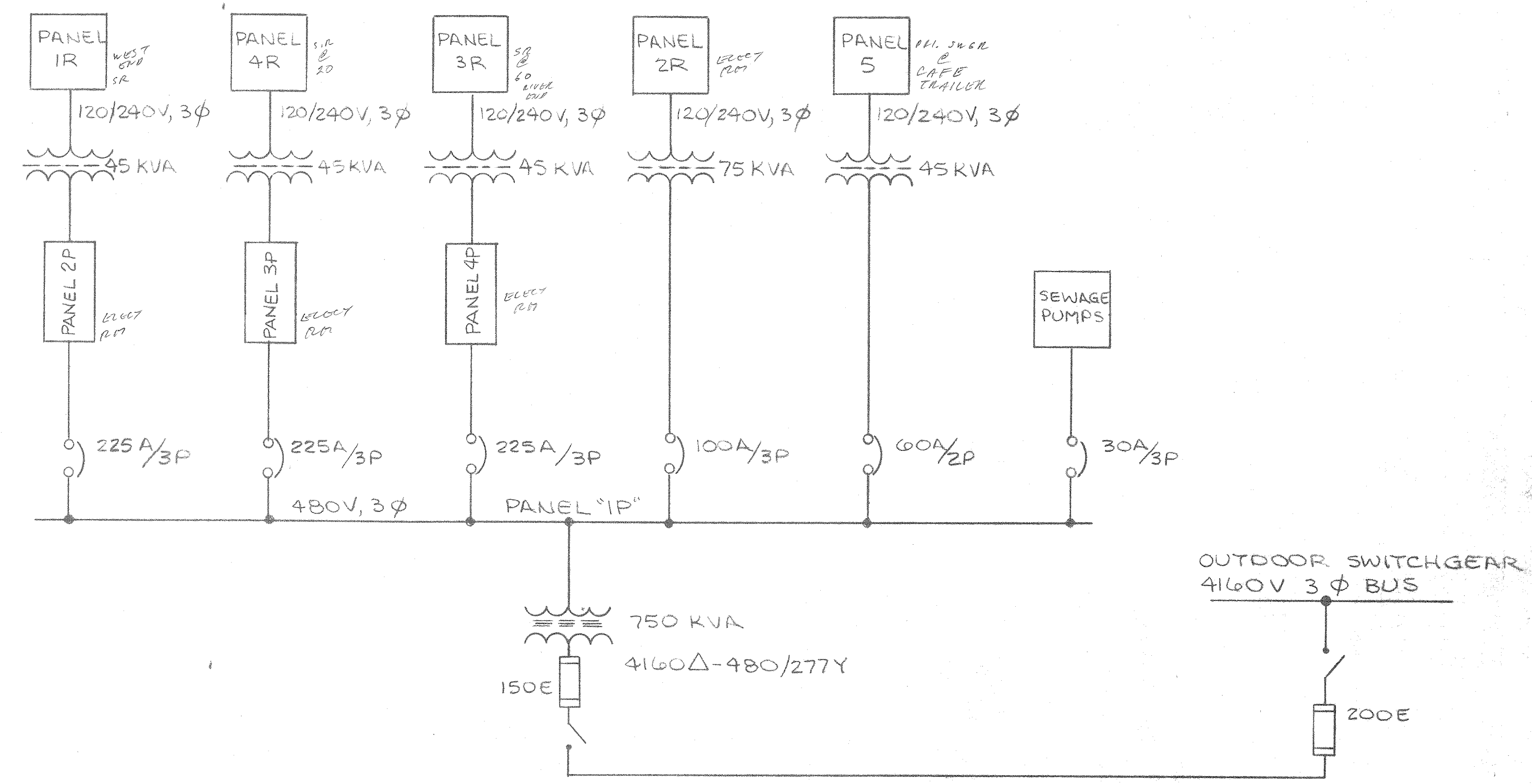
MOBILE, ALABAMA

**PIER "B" SOUTH
ELECTRICAL
LEGENDS & POWER PANELS**

SCALE: _____	DRAWN BY: <u>LRH</u>
DATE: <u>9-22-87</u>	TRACED BY: _____
RECOMMENDED: _____	CHECKED BY: _____
APPROVED: _____	E-5

B-10-145-62

PANEL 3R PHASE 3 WIRES 4 VOLTAGE 120/240V BUS RATING 225A MOUNTING SURE										
MFG./TYPE SQD NQO ENCLOSURE NEMA1 MODIFICATION 125A MAIN C/B										
DESCRIPTION	LOAD (KVA)	FRAME	TRIP	CKT. N°	A B C	CKT. N°	TRIP	FRAME	LOAD (KVA)	DESCRIPTION
PWR. DISC. DOOR 48N, 61N, 65N	21		50/3P	1	●	2				
				3	●	4	50/3P		21	PWR. DISC. DOOR 57S, 65S, 70E
				5	●	6				
				7	●	8				
DOOR OPERATOR 48N, 61N, 65N	7.5		20/3P	9	●	10	20/3P		7.5	DOOR OPERATOR 57S, 65S, 70E
				11	●	12				
SPARE				13	●	14	20/1P		0.3	RESTROOM COL. 68 LIGHTS
SPRINKLER RM. 60N HTR	1.5		20/1P	15	●	16	20/1P		0.2	SPRINKLER RM 60N LGT.
RECEPT. 48N, 61N, 65N	1.2		20/1P	17	●	18	20/1P		0.9	RECEPT. 70E, 65S, 57S, 48S
				19	●	20				
				21	●	22				
				23	●	24				
				25	●	26				
				27	●	28				
				29	●	30				
				31	●	32				
TOTAL LOAD 60.2 KVA									MAX. SHORT CIRCUIT CURRENT = 20,000 A	



POWER SCHEMATIC

PANEL 4R PHASE 3 WIRES 4 VOLTAGE 120/240V BUS RATING 225A MOUNTING SURE										
MFG./TYPE SQD NQO ENCLOSURE NEMA1 MODIFICATIONS 125A MAIN C/B										
DESCRIPTION	LOAD (KVA)	FRAME	TRIP	CKT. N°	A B C	CKT. N°	TRIP	FRAME	LOAD (KVA)	DESCRIPTION
PWR. DISC. DOOR 1N, 9N, 18N	21		50/3P	1	●	2				
				3	●	4				
				5	●	6				
				7	●	8				
DOOR OPERATOR 1N, 9N, 18N	7.5		20/3P	9	●	10				
				11	●	12				
SPARE				13	●	14				
SPRINKLER RM. 20N HTR	1.5		20/1P	15	●	16	20/1P		0.2	SPRINKLER RM. 20N LGT.
RECEPT. 1N, 9N, 18N	1.2		20/1P	17	●	18	20/1P		0.3	TOILET COL. 14 LIGHTS
				19	●	20				
				21	●	22				
				23	●	24				
				25	●	26				
				27	●	28				
				29	●	30				
				31	●	32				
TOTAL LOAD 31.7 KVA										

ALABAMA STATE DOCKS
MOBILE, ALABAMA

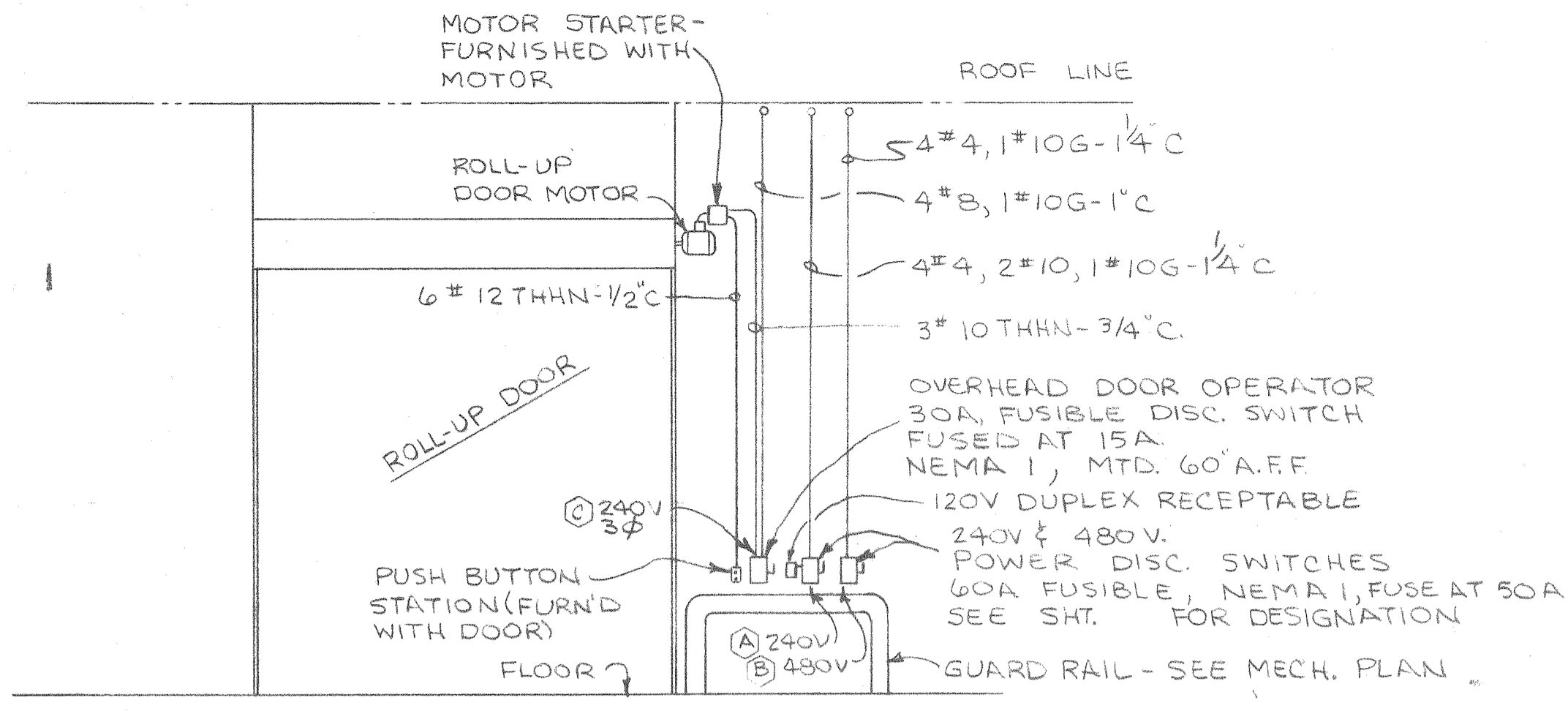
PIER "B" SOUTH ELECTRICAL POWER PANEL SCHEDULES

SCALE: —
DATE: 9-30-87
RECOMMENDED: —

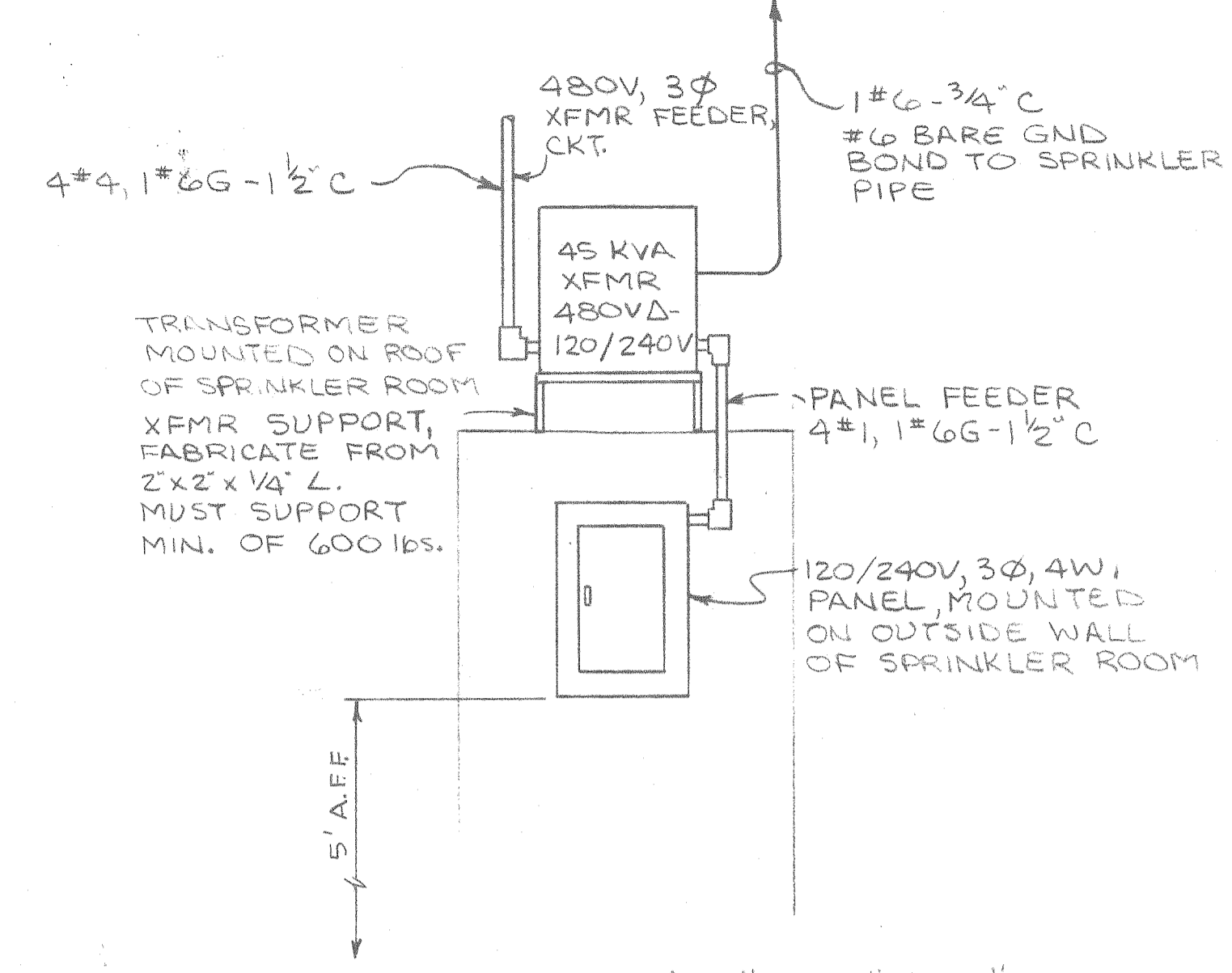
DRAWN BY: LRH
TRACED BY: —
CHECKED BY: —

APPROVED: —

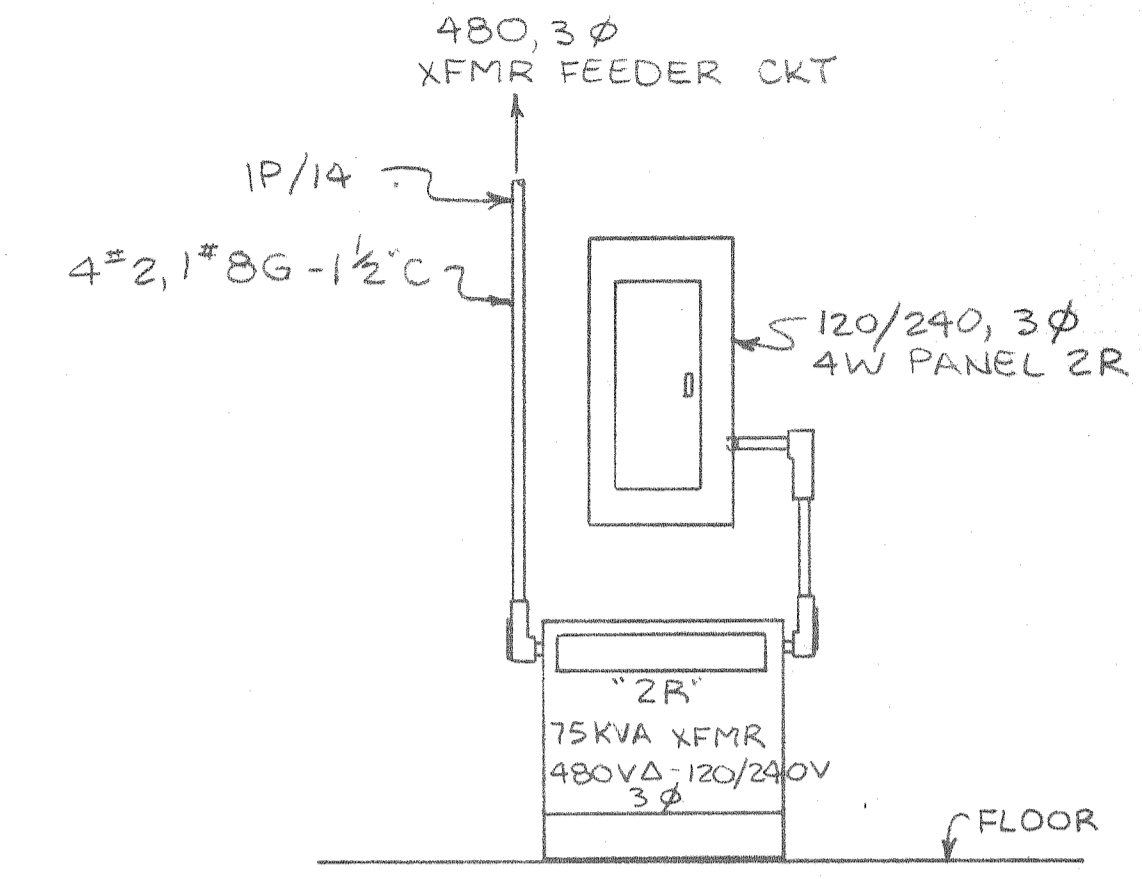
B-10-145-63



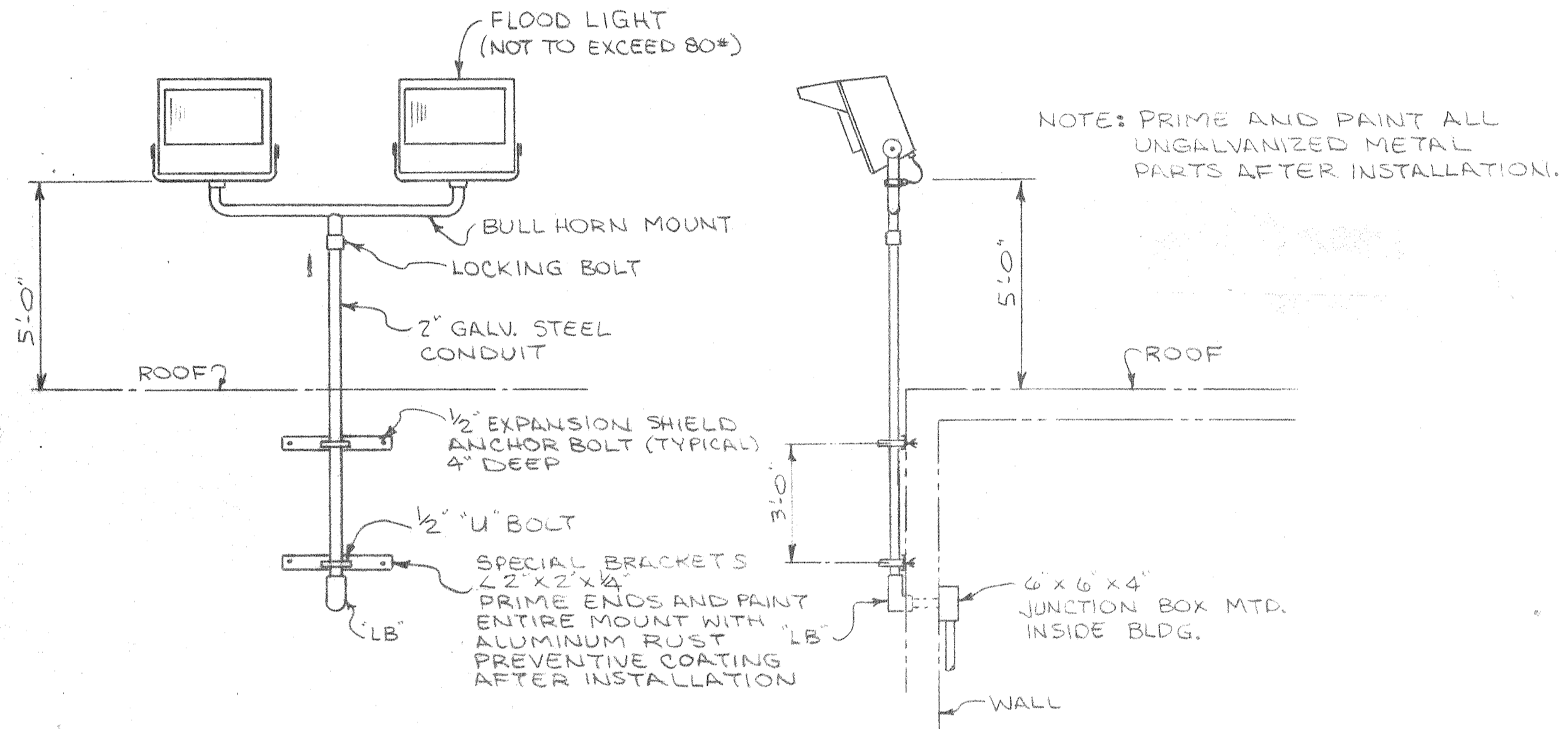
TYPICAL ELECTRICAL ARRANGEMENT AT ROLL-UP DOOR
3/16" = 1'-0"



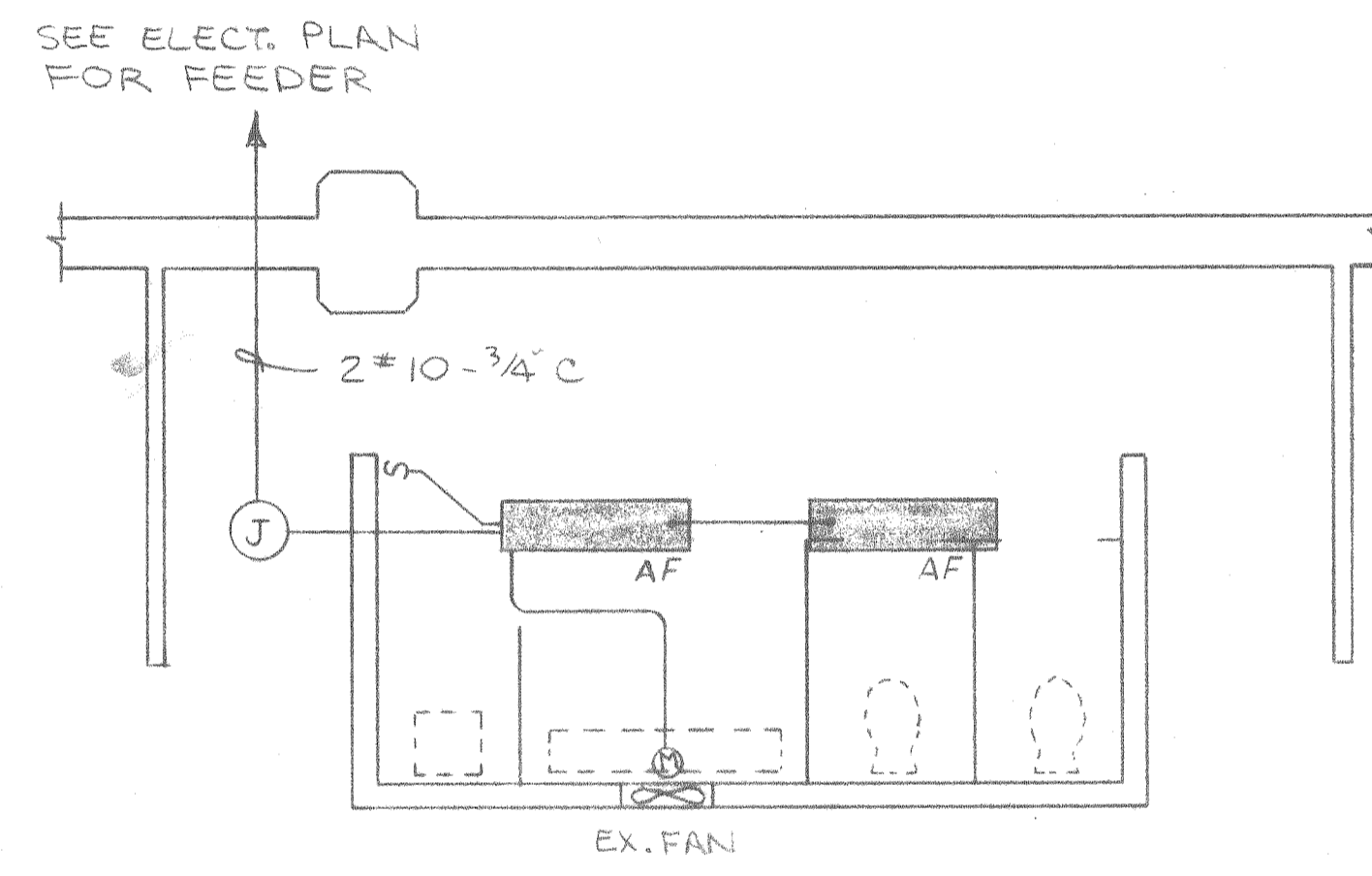
ELEVATION - PANEL "1R", "3R", "4R"
N.T.S.



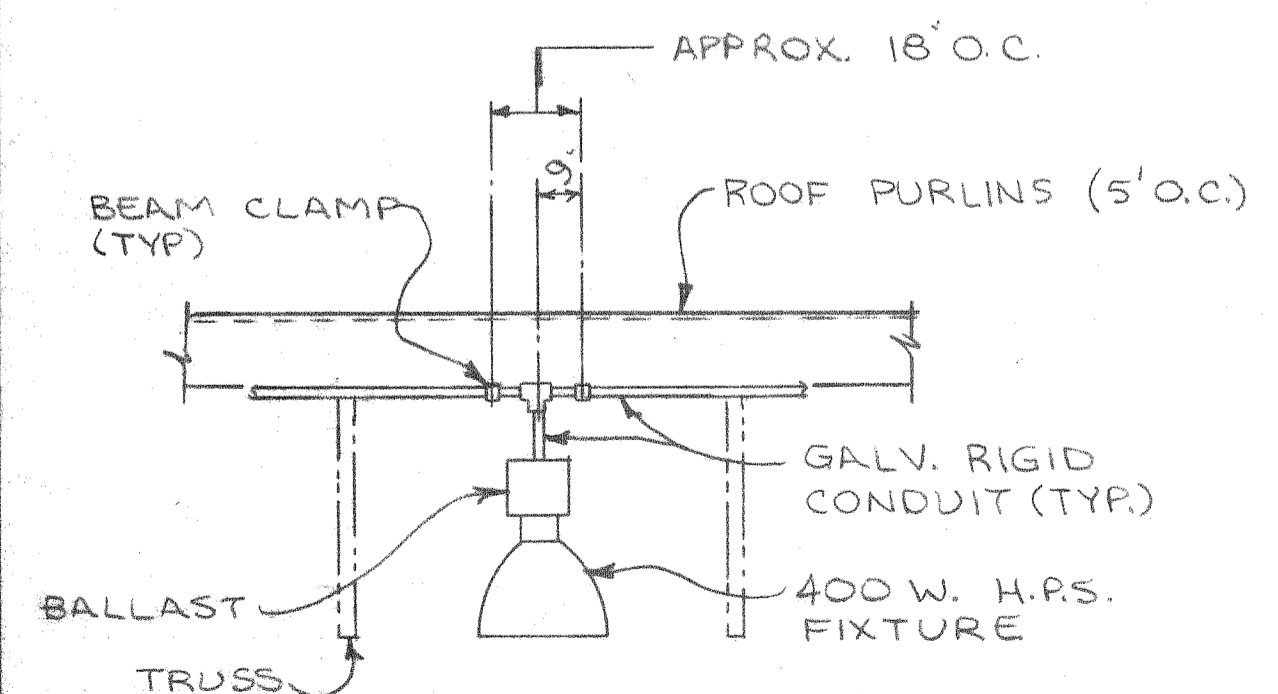
ELEVATION - PANEL "2R"
N.T.S.



FLOODLIGHT MOUNTING DETAIL
N.T.S.

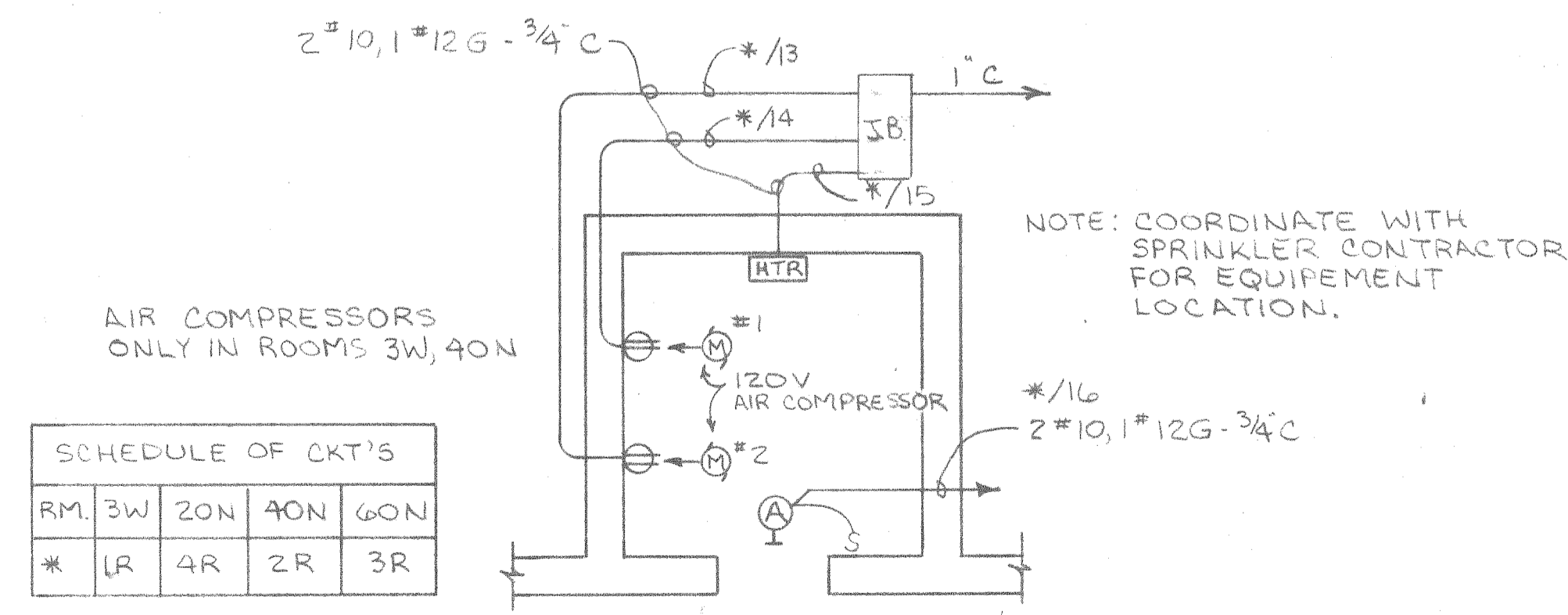


ELECTRICAL PLAN - TOILET
1/4" = 1'-0"



LOWBAY FIXTURE MTG. DETAIL
N.T.S.

NOTE: BOTTOM OF FIXTURES TO BE ABOVE BOTTOM OF TRUSSES



SPRINKLER ROOM DETAIL (TYP. FOR 4)
1/4" = 1'-0"

REV. PER AS BUILTS LRH 12/12/88

ALABAMA STATE DOCKS

MOBILE, ALABAMA

PIER "B" SOUTH ELECTRICAL DETAILS

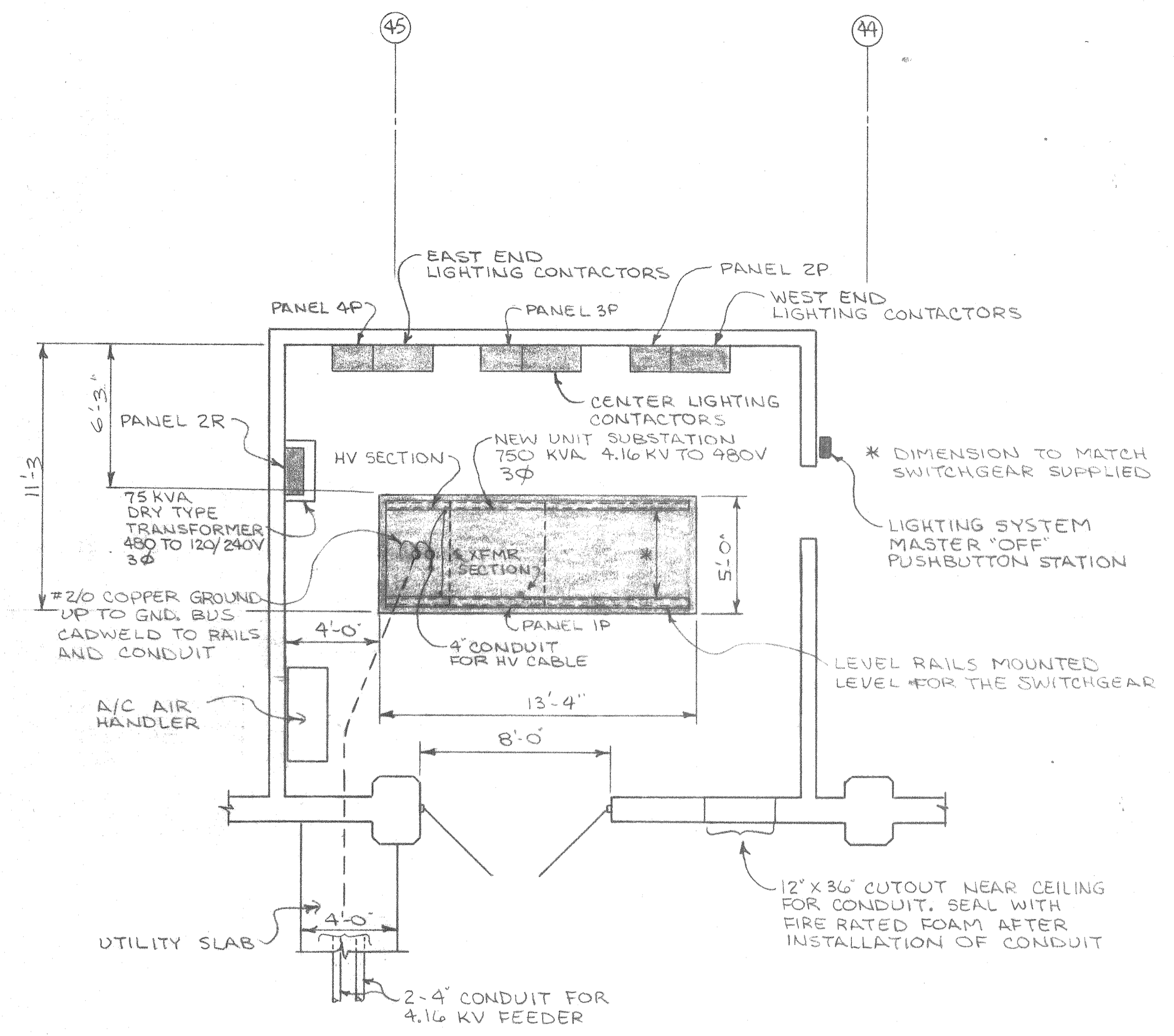
SCALE: NOTED
DATE: 9-22-87
RECOMMENDED:

DRAWN BY: LRH
TRACED BY:
CHECKED BY:

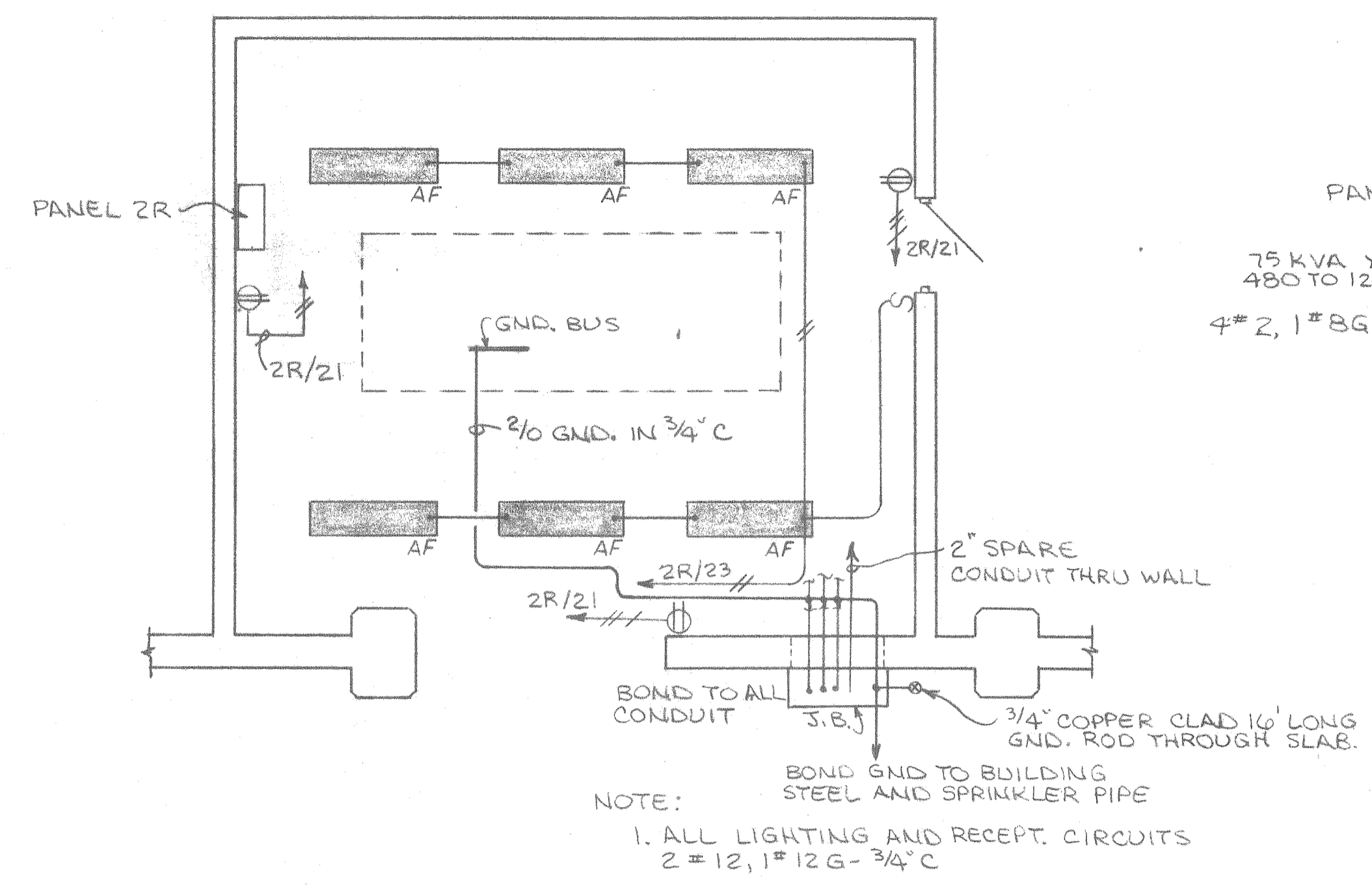
APPROVED:

B-10-145-64

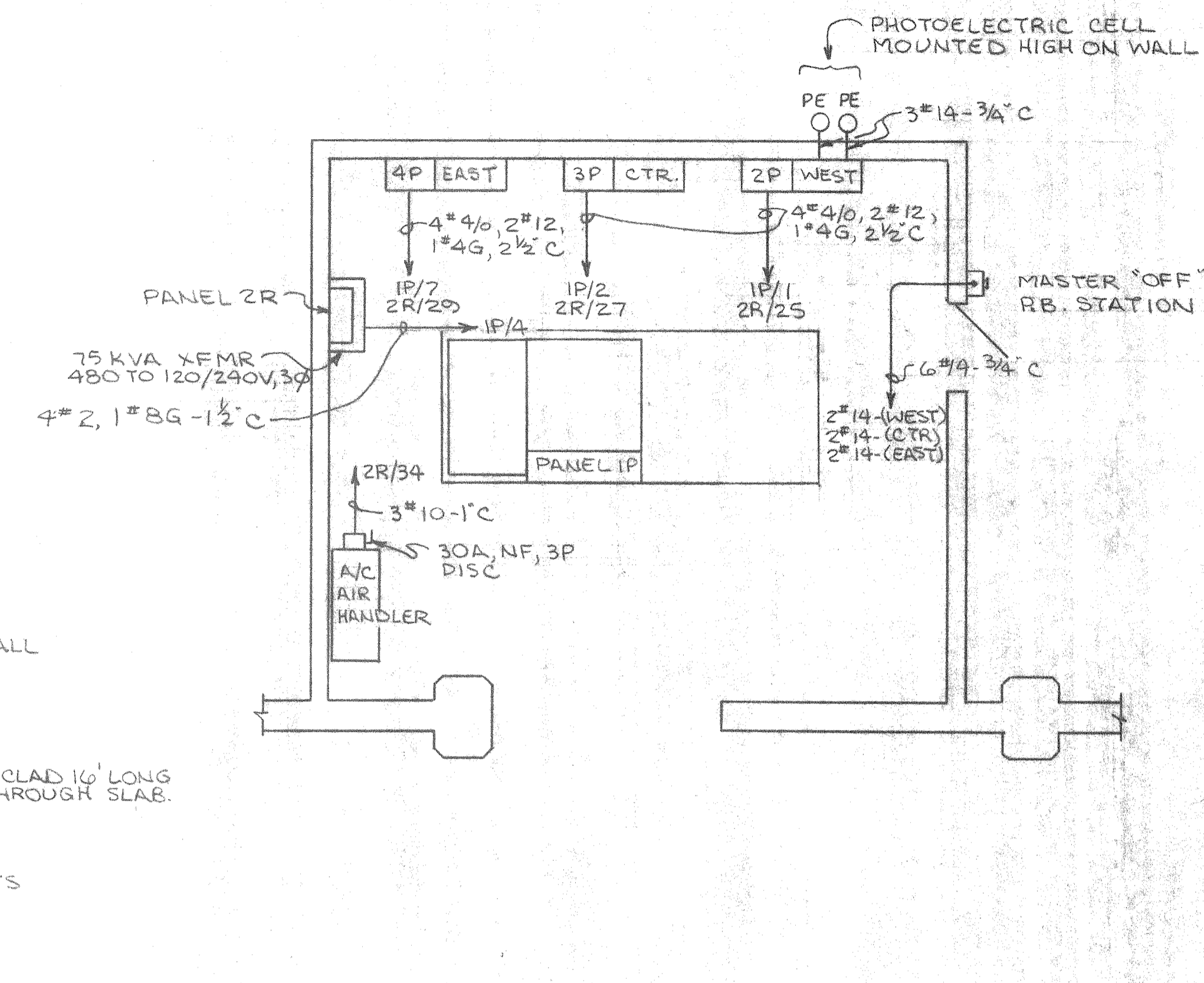
E-7



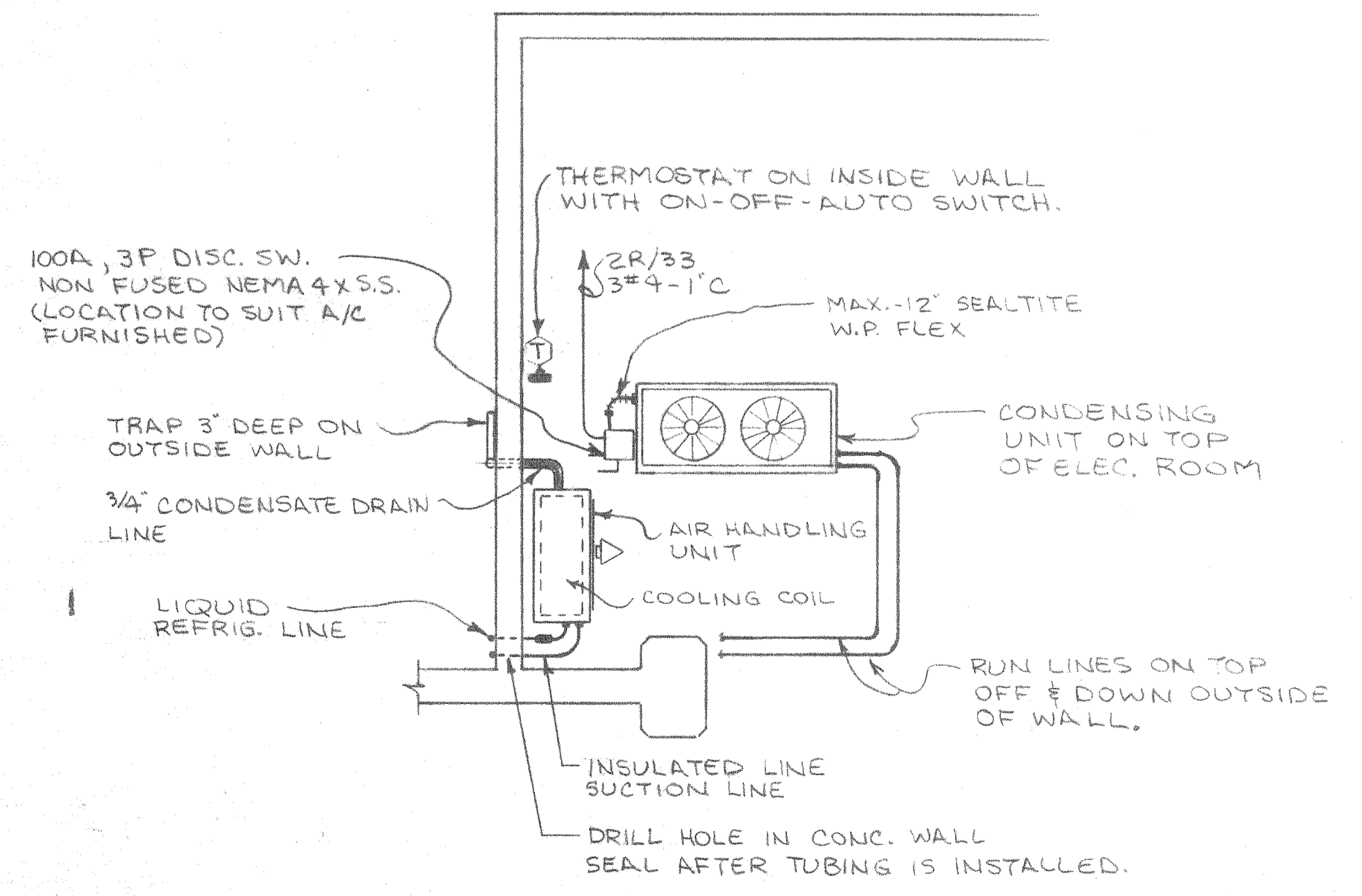
PLAN - ELECTRICAL ROOM
1/4" = 1'-0"



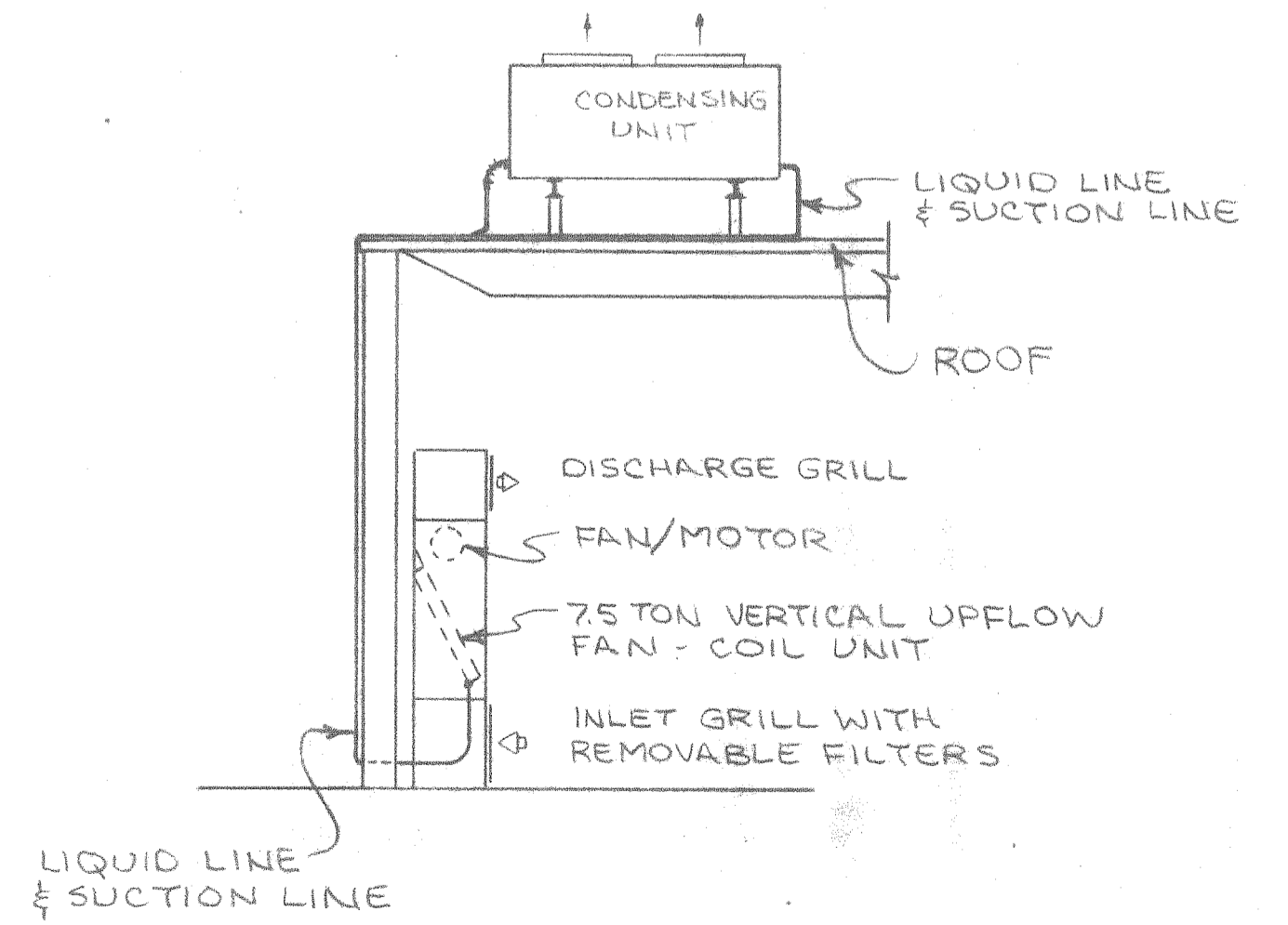
ELECTRICAL ROOM - LIGHTING PLAN
1/4" = 1'-0"



ELECTRICAL ROOM - WIRING PLAN
1/4" = 1'-0"



ELECTRICAL ROOM A/c (PLAN VIEW)
1/4" = 1'-0"



ELECTRICAL ROOM A/c (SIDE VIEW)
1/4" = 1'-0"

REV. PER AS BUILTS LRH 12/12/88
REV. PAD SIZE IN ELEC. ROOM LRH 3/8/89

ALABAMA STATE DOCKS
MOBILE, ALABAMA

**PIER 'B' SOUTH
ELECTRICAL ROOM
PLAN**

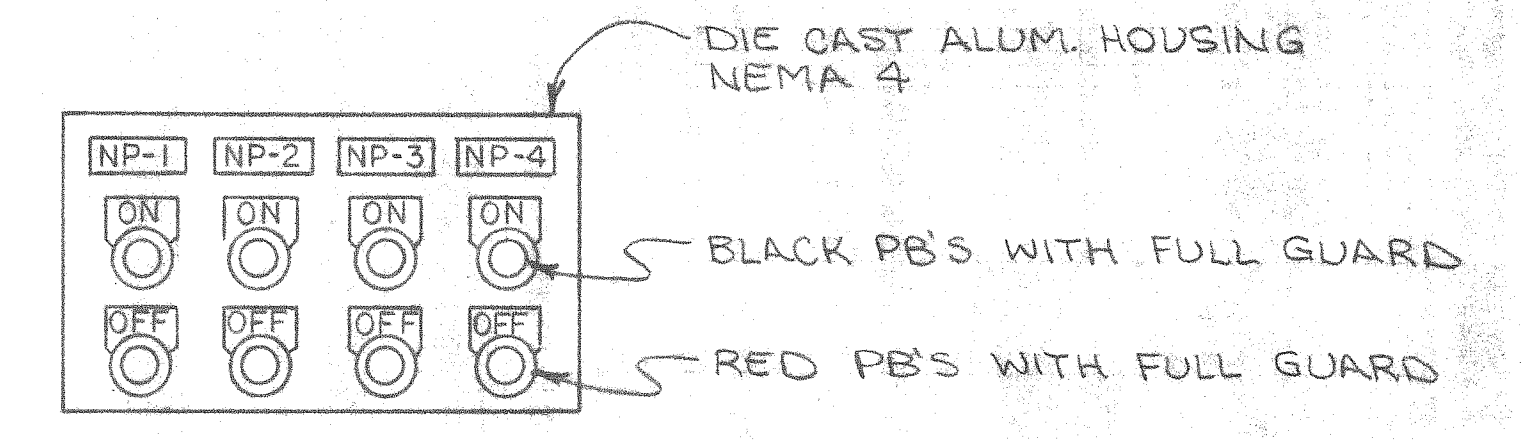
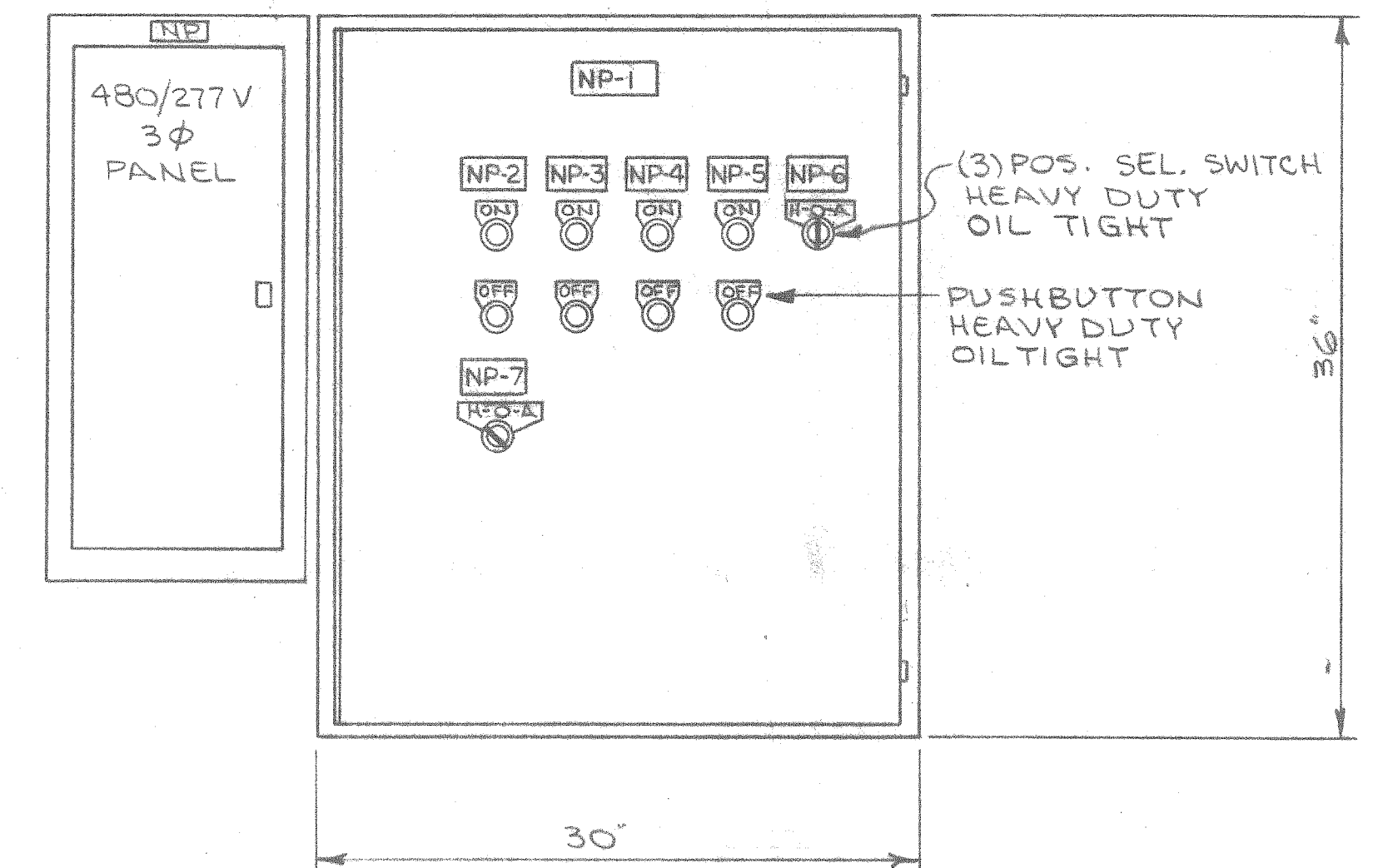
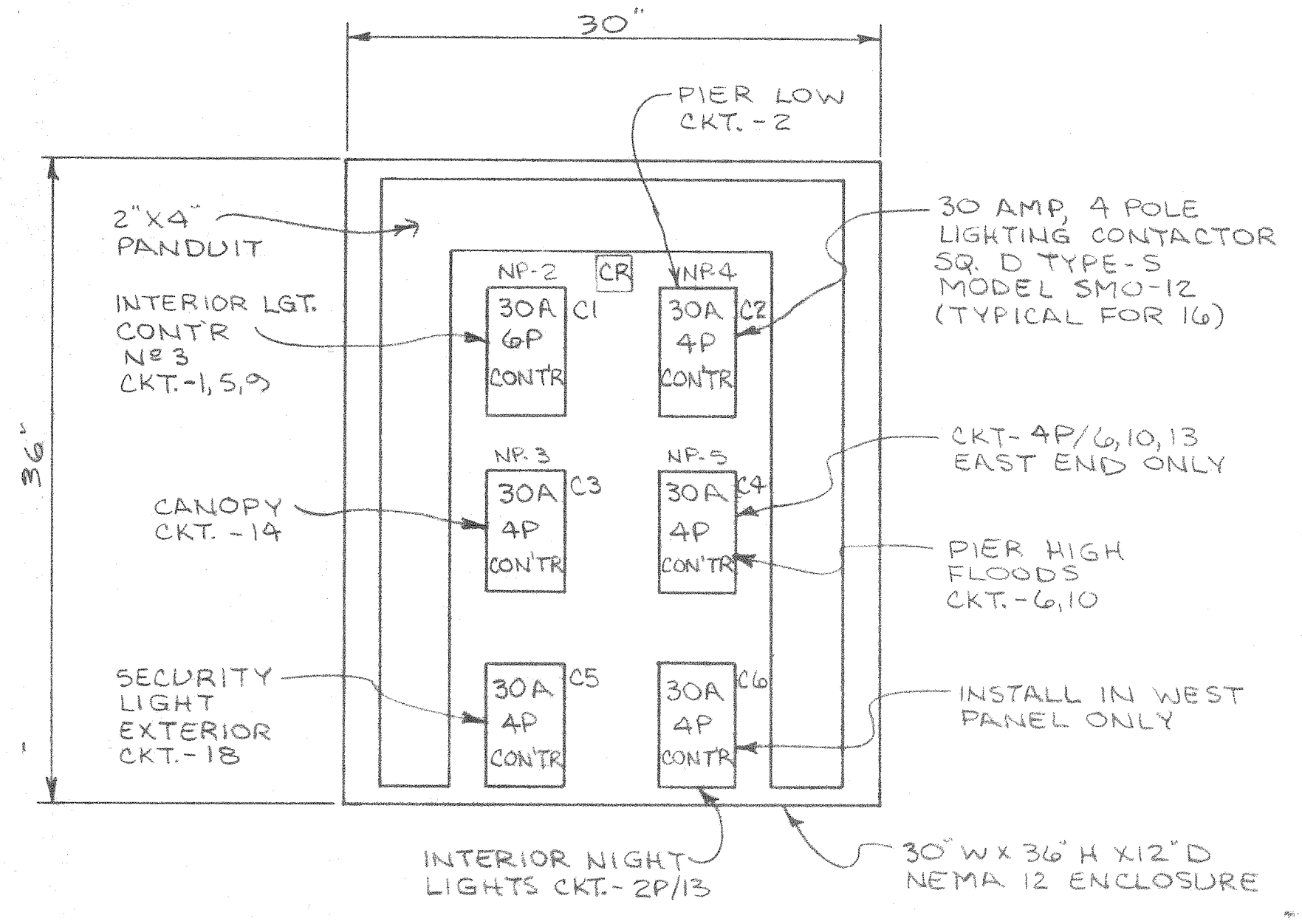
SCALE: NOTED
DATE: 9 22 87
RECOMMENDED:

APPROVED: _____
DRAWN BY: LRH
TRACED BY: _____
CHECKED BY: _____

E-8
B-10-145-65

NP	PANEL 2P	PANEL 3P	PANEL 4P
NP-1	WEST END LIGHTS	CENTER LIGHTS	EAST END LIGHTS
NP-2	INSIDE LIGHTS	INSIDE LIGHTS	INSIDE LIGHTS
NP-3	NORTH CANOPY	NORTH CANOPY	NORTH CANOPY
NP-4	LO PIER	LO PIER	LO PIER
NP-5	HI PIER	HI PIER	HI PIER
NP-6	OUTSIDE SECURITY	OUTSIDE SECURITY	OUTSIDE SECURITY
NP-7	INTERIOR SECURITY	-	-

NP-1	"INTERIOR LIGHTS"
NP-2	"LO PIER LIGHTING"
NP-3	"HI PIER LIGHTING"
NP-4	"CANOPY LIGHTS"

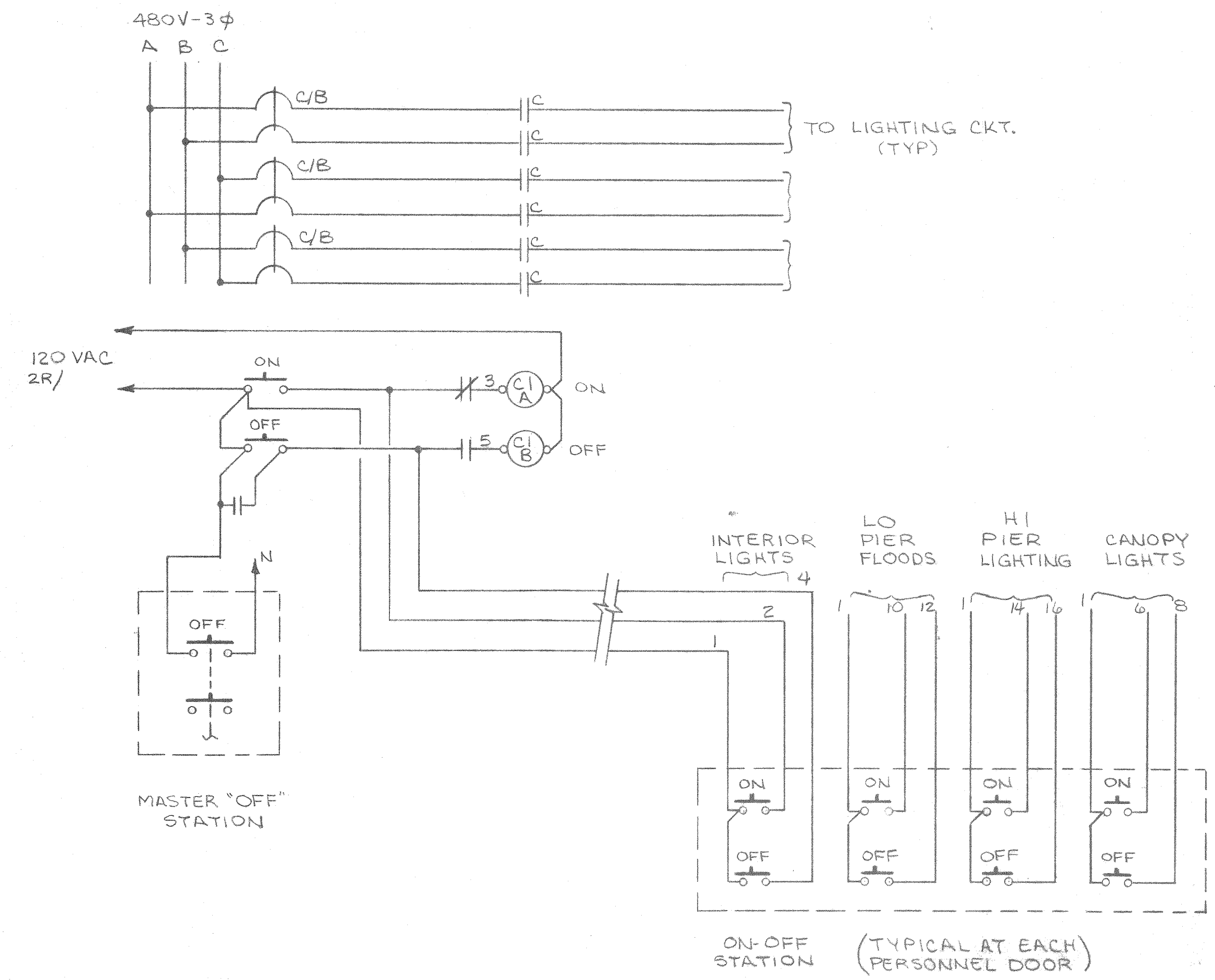


PUSHBUTTONS SHALL BE HEAVY DUTY OILTIGHT WITH I-NO, I-NC CONTACT BLOCK. SQ. D. KR-1BHI3 OR KR-1RH13

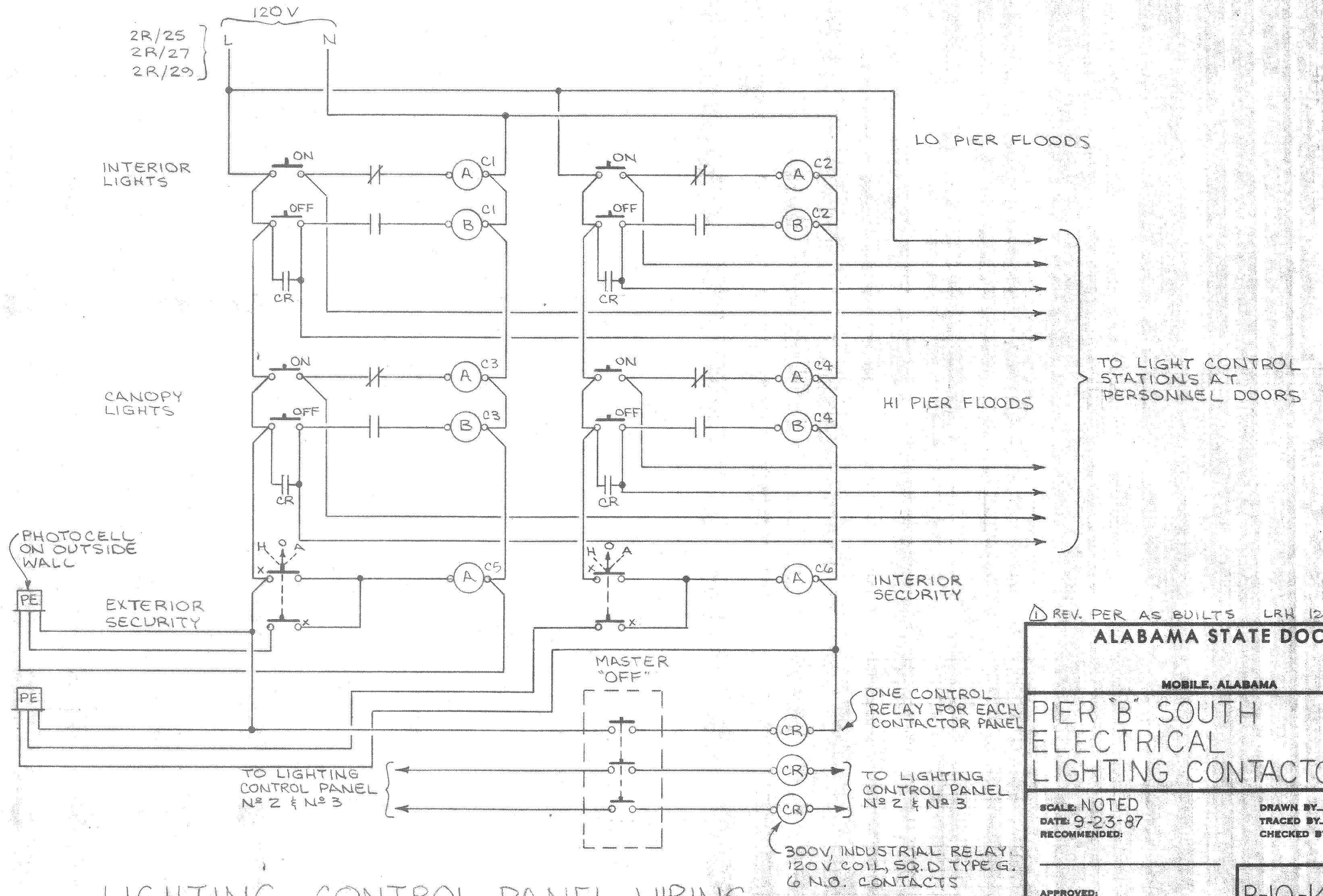
LIGHT CONTROL STATION (TYP. FOR 9)
N.T.S.

LIGHTING CONTACTOR LAYOUT (TYP. FOR 3)
1 1/2" = 1'-0"

LIGHTING CONTACTOR PANEL (TYP. FOR 3)
1 1/2" = 1'-0"



MECHANICALLY HELD LIGHTING CONTACTOR



LIGHTING CONTROL PANEL WIRING (TYP. FOR 3)

REV. PER AS BUILTS LRH 12/12/88

ALABAMA STATE DOCKS

MOBILE, ALABAMA

PIER 'B' SOUTH ELECTRICAL LIGHTING CONTACTOR

SCALE: NOTED
DATE: 9-23-87
RECOMMENDED:

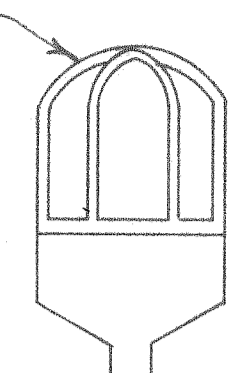
DRAWN BY: LRH
TRACED BY:
CHECKED BY:

APPROVED:

E-9

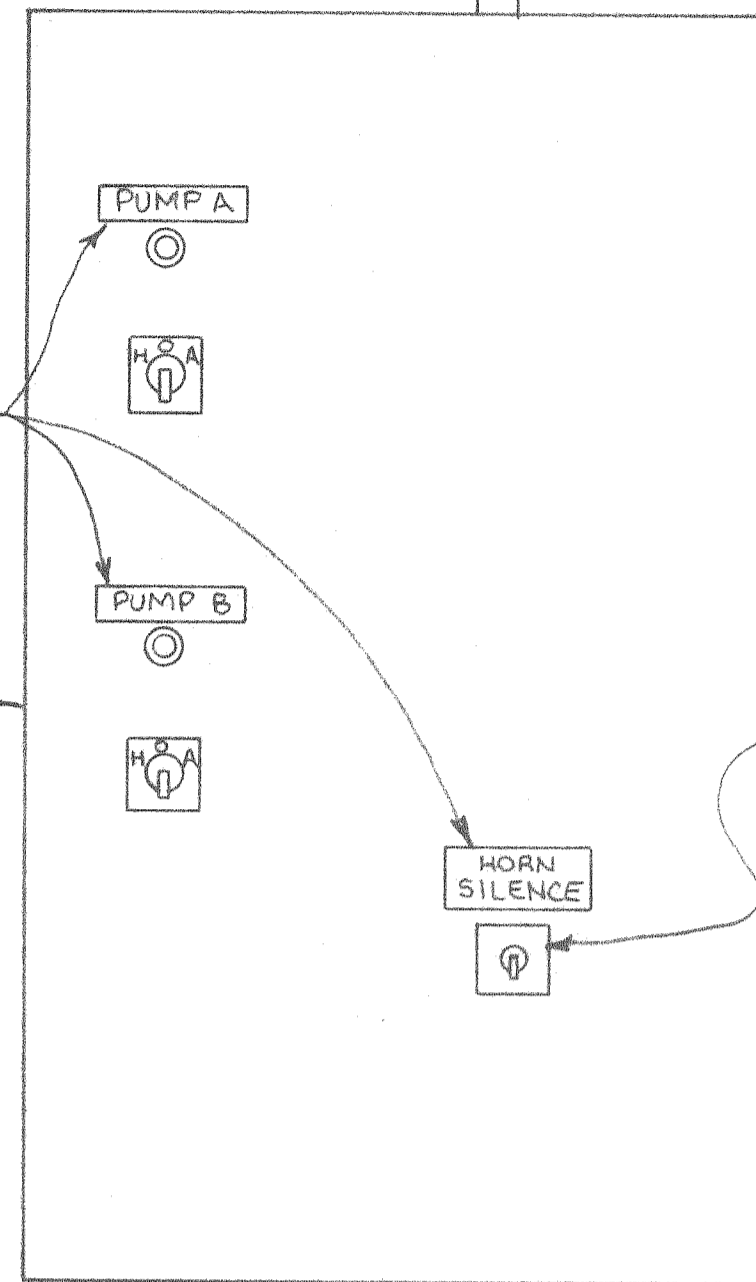
B-10-145-66

LIGHT FIXTURE- CROUSE HINDS CAT. N° VDA 25GP WITH G27 RED GLOBE AND 150W-A21 LAMP. (120V) CONTRACTOR TO FURNISH AND INSTALL 120V FLASHER UNIT INSIDE CABINET. CONTRACTOR TO RUN 2# 12 THHN FROM LIGHT FIXTURE, THRU FLASHER TO HIGH LEVEL ALARM SO THAT LIGHT FLASHES WHEN SECOND PUMP RUNS.



1/2" WHITE ENGRAVED LETTERS ON RED LAMINATED PHENOLIC NAMEPLATES- BY CONTRACTOR. (ENGRAVED AS NOTED)

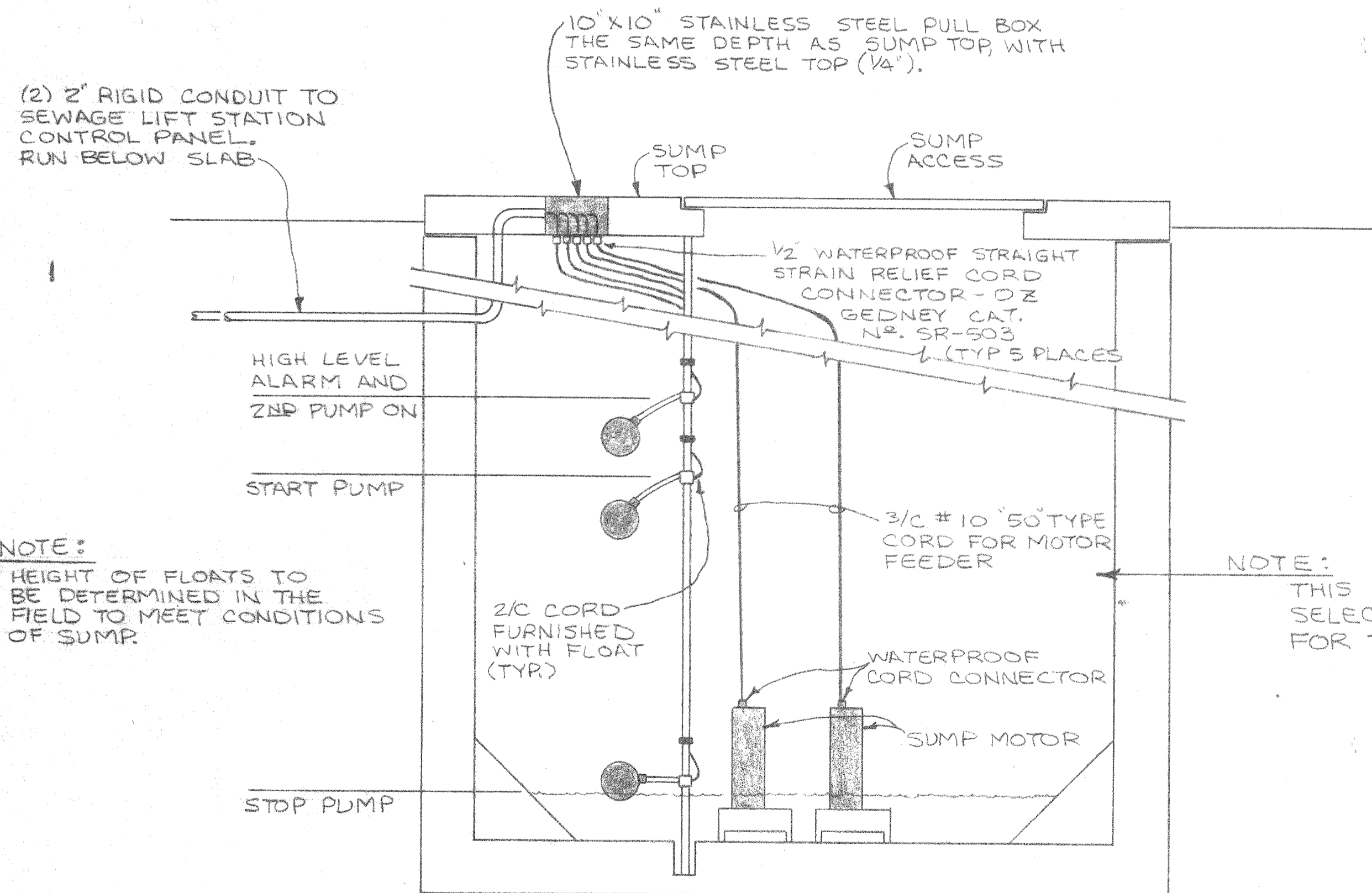
SEWAGE LIFT STATION CONTROL PANEL- STANDARD PUMP CONTROL PANEL, NEMA 4, S.S. CONSOLIDATED ELECTRIC. TO MATCH EXISTING CONTROLS AT PIER "A" SOUTH (CABINET TO BE NEMA TYPE 4 S.S. 304)



10 MIN. TIME SWITCH BY DAYTON OR EQUAL, FOR HORN SILENCE. CONTRACTOR TO FURNISH AND INSTALL SWITCH TO SILENCE HORN FOR 10 MIN. ON HIGH ALARM.

SEWAGE LIFT STATION DETAIL

N.T.S.



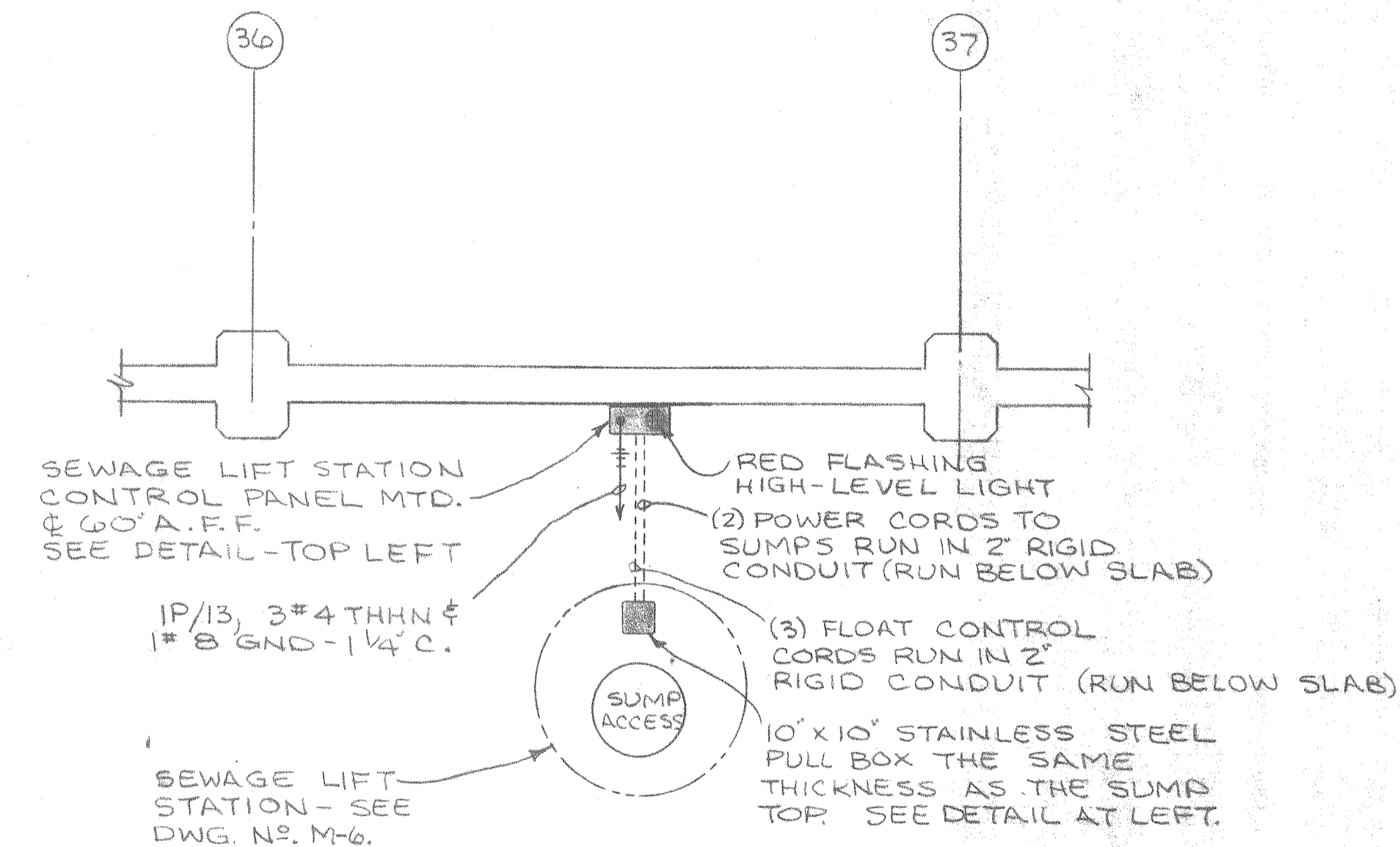
NOTE: HEIGHT OF FLOATS TO BE DETERMINED IN THE FIELD TO MEET CONDITIONS OF SUMP.

NOTE: THIS AREA CLASS I, DIV. II. SELECT ALL ELECTRICAL EQUIP. FOR THIS ATMOSPHERE.

ELECTRICAL ARRANGEMENT AT SEWAGE LIFT STATION

N.T.S.

NOTE: ABOVE DETAIL IS TO SHOW ELECTRICAL WIRING AND CONDUIT. SEE DWG N° M-6 FOR SCALE DWG OF SUMP.



ELECTRICAL PLAN- SEWAGE LIFT STATION

1/4" = 1'-0"

ALABAMA STATE DOCKS

MOBILE, ALABAMA

PIER "B" SOUTH
ELECTRICAL
SEWAGE LIFT STATION

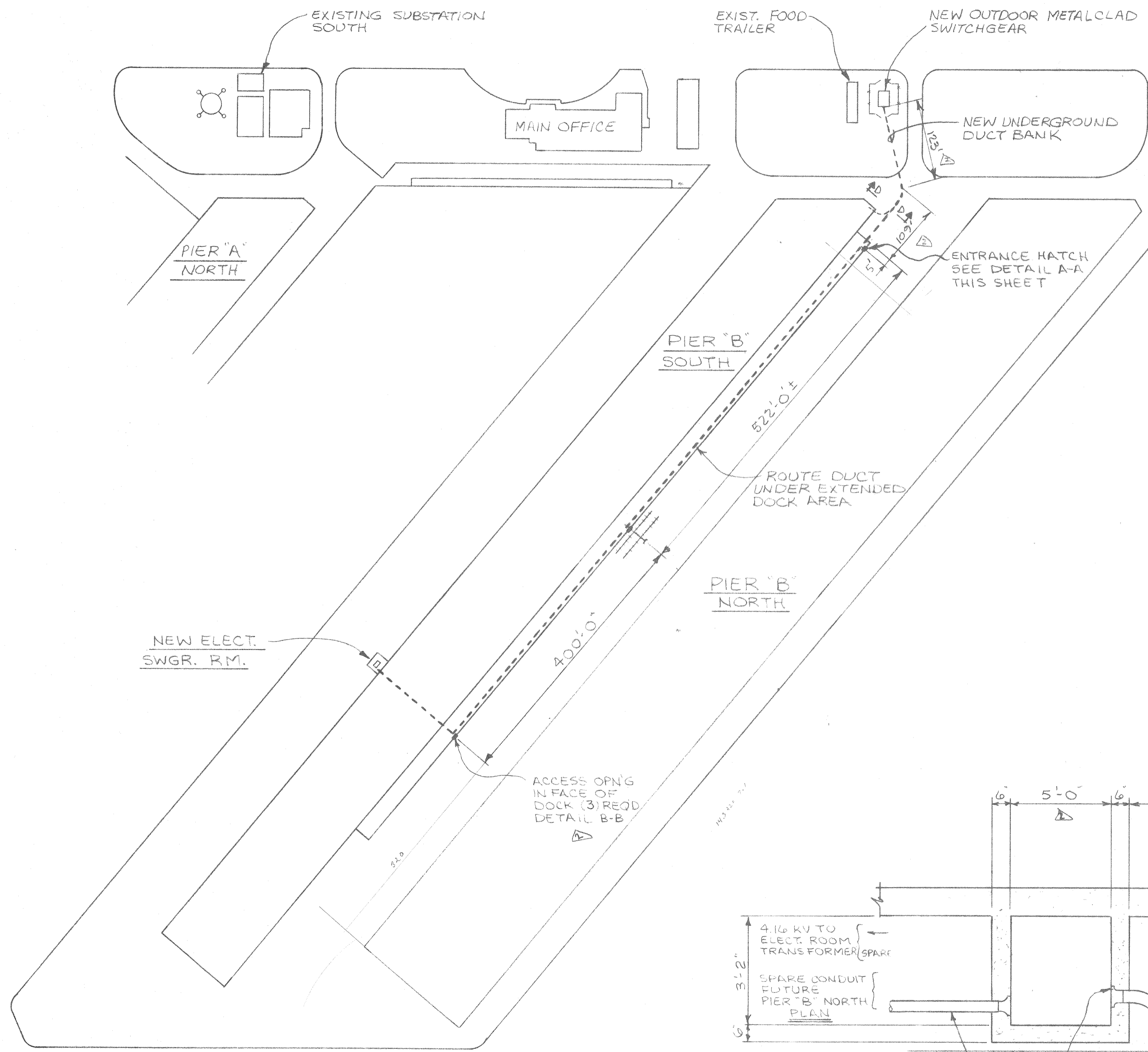
SCALE: NOTED
DATE: 10-1-87
RECOMMENDED:

DRAWN BY: LRH
TRACED BY:
CHECKED BY:

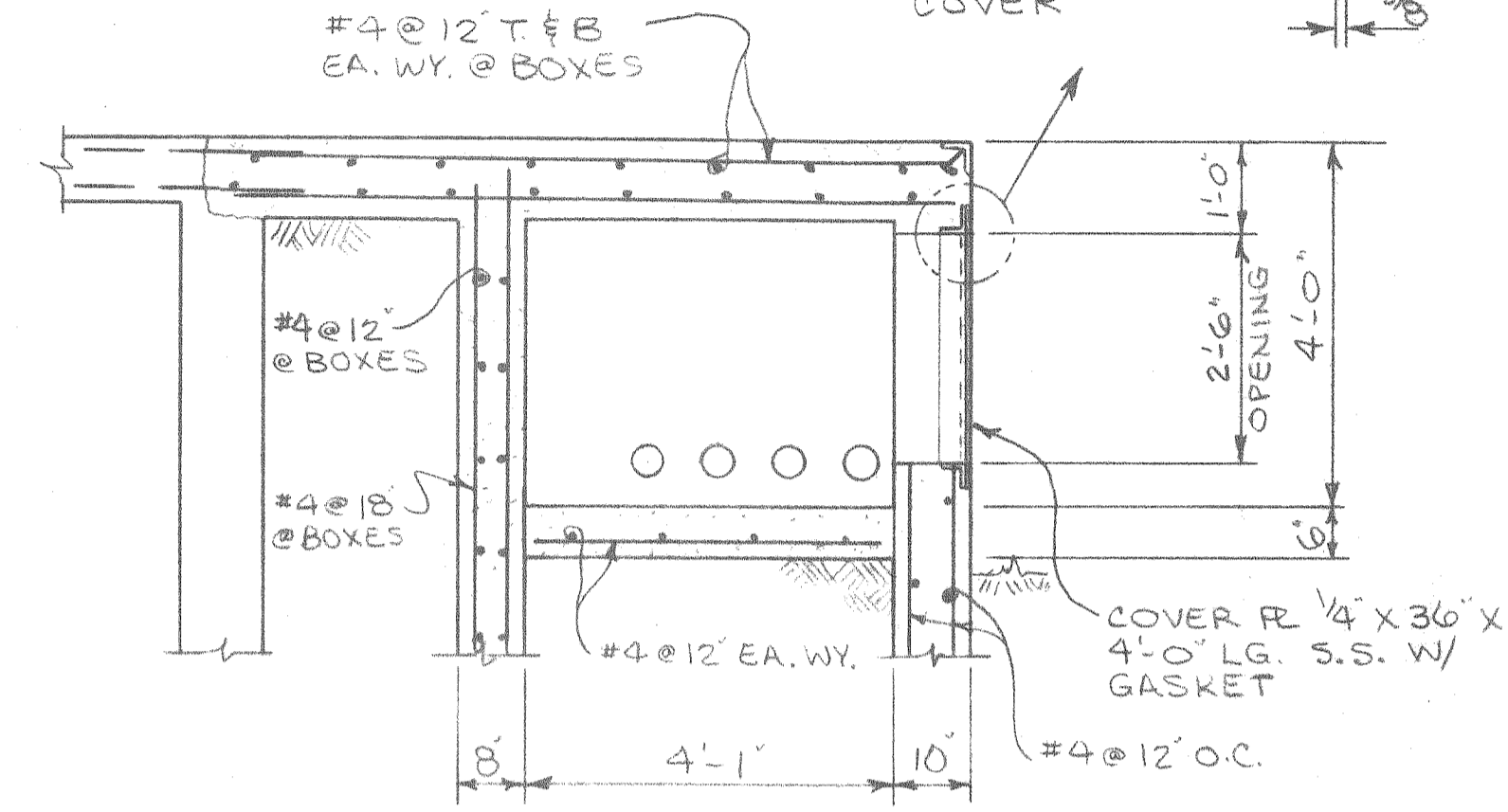
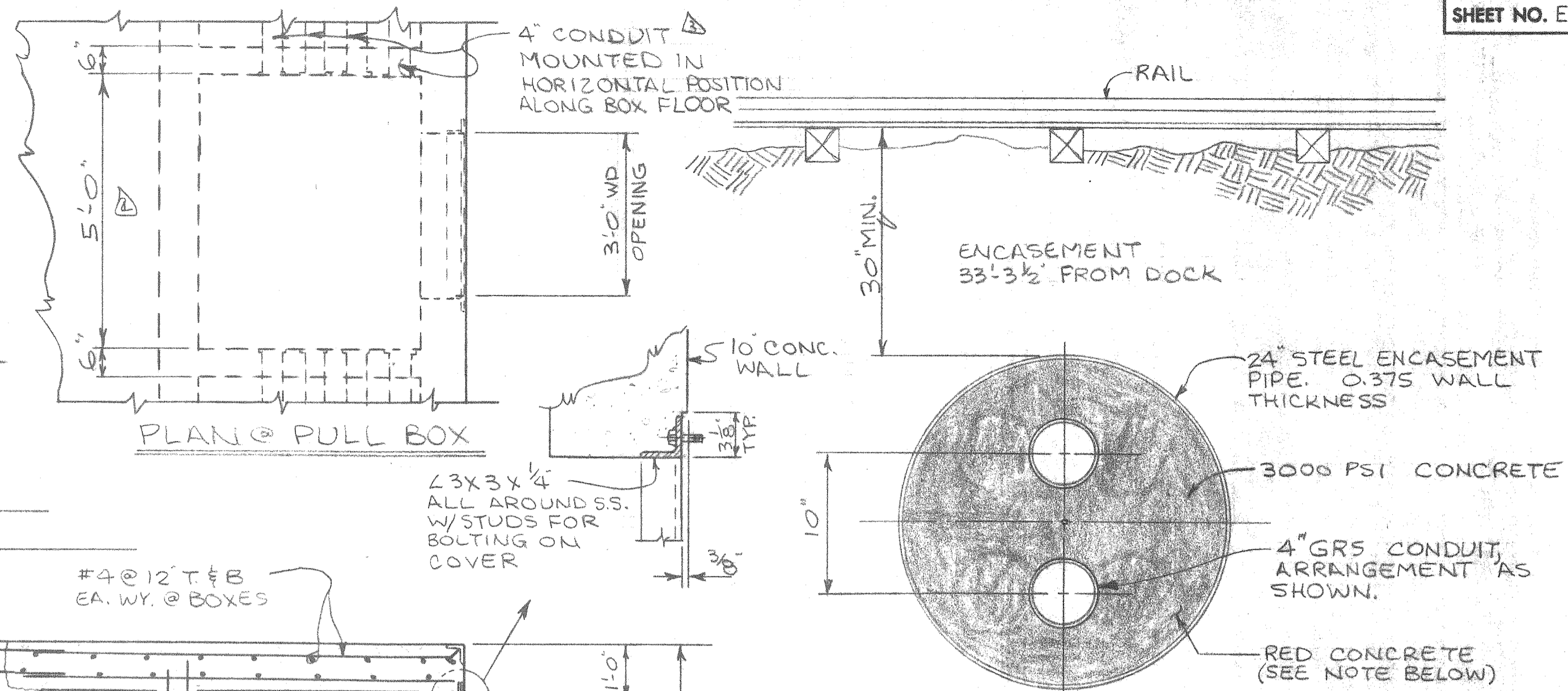
E-10

APPROVED:

B-10-145-67



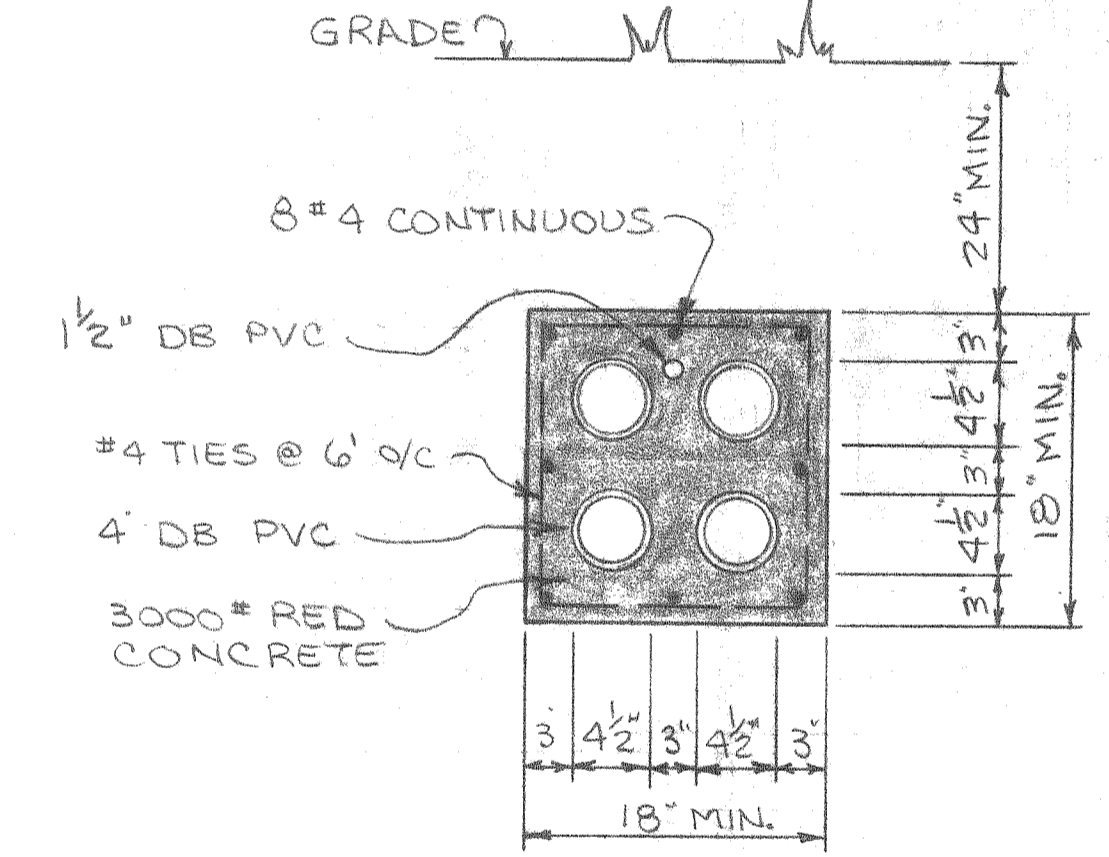
ELECTRICAL SITE PLAN
1" = 100'



SECTION 'B-B' @ PULL BOX
1/2" = 1'-0"

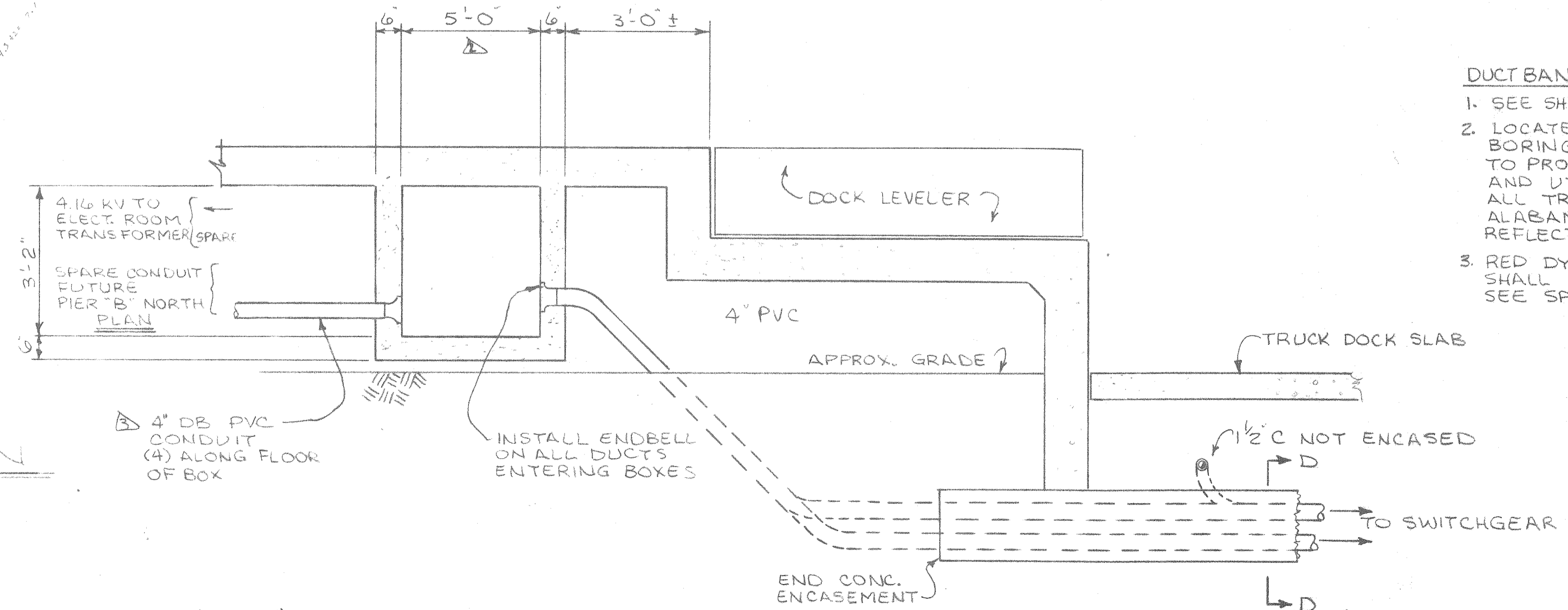
SECTION 'C-C'
1/2" = 1'-0"
DUCTBANK UNDER RAILROAD TRACK

NOTE:
RED DYE FOR CASEMENT CONCRETE SHALL BE ADDED TO THE CONCRETE IN THE MIXING DRUM.



SECTION 'D-D'
1" = 1'-0"

- DUCT BANK NOTES:**
- SEE SH. FOR LOCATION OF DUCTBANK.
 - LOCATE ALL EXISTING UTILITIES WHERE TRENCHING AND BORING WILL BE DONE AND ADJUST DUCTBANK DEPTH TO PROVIDE PROPER CLEARANCE BETWEEN DUCTBANK AND UTILITIES. HAND DIG AS REQUIRED. COORDINATE ALL TRENCHING AND BORING OPERATIONS WITH ALABAMA STATE DOCKS ENGINEER. DRAWINGS DO NOT REFLECT ALL EXISTING UTILITIES.
 - RED DYE FOR DUCTBANK ENCASEMENT CONCRETE SHALL BE ADDED TO THE CONCRETE IN THE MIXER DRUM. SEE SPECS. SECT. 6.06 C.



SECT. 'A-A' DUCTBANK TRANSITION DETAIL

- REV. PER CHG. ORDER #2 3-26-88 LRH
- REV. AS BUILTS 3-28-88 LAM
- REV. PER ADDENDA #2 LRH 11-23-87

ALABAMA STATE DOCKS
MOBILE, ALABAMA

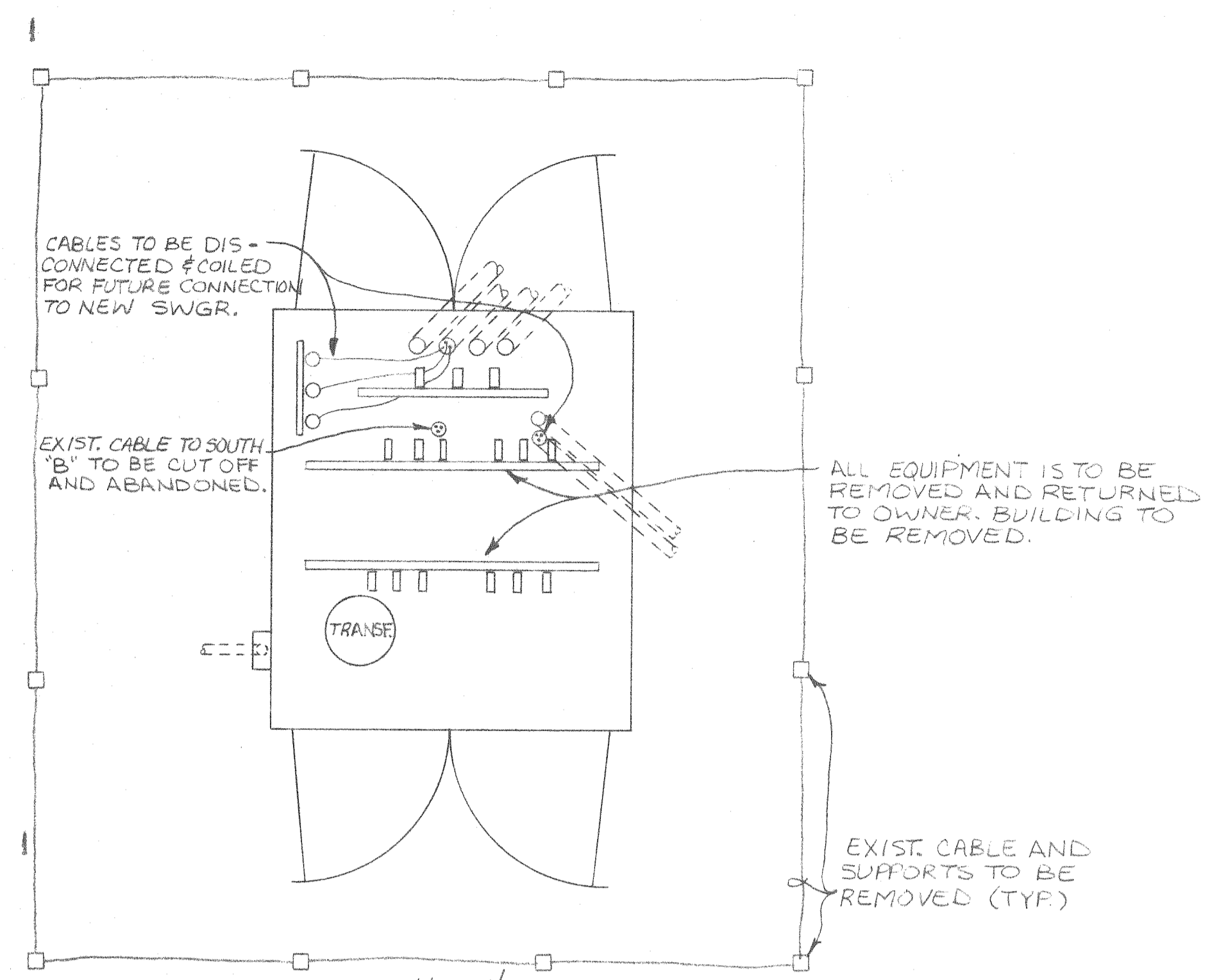
PIER 'B' SOUTH ELECTRICAL DUCTBANK LAYOUT

SCALE: 1" = 100'
DATE: 9-30-87
RECOMMENDED:

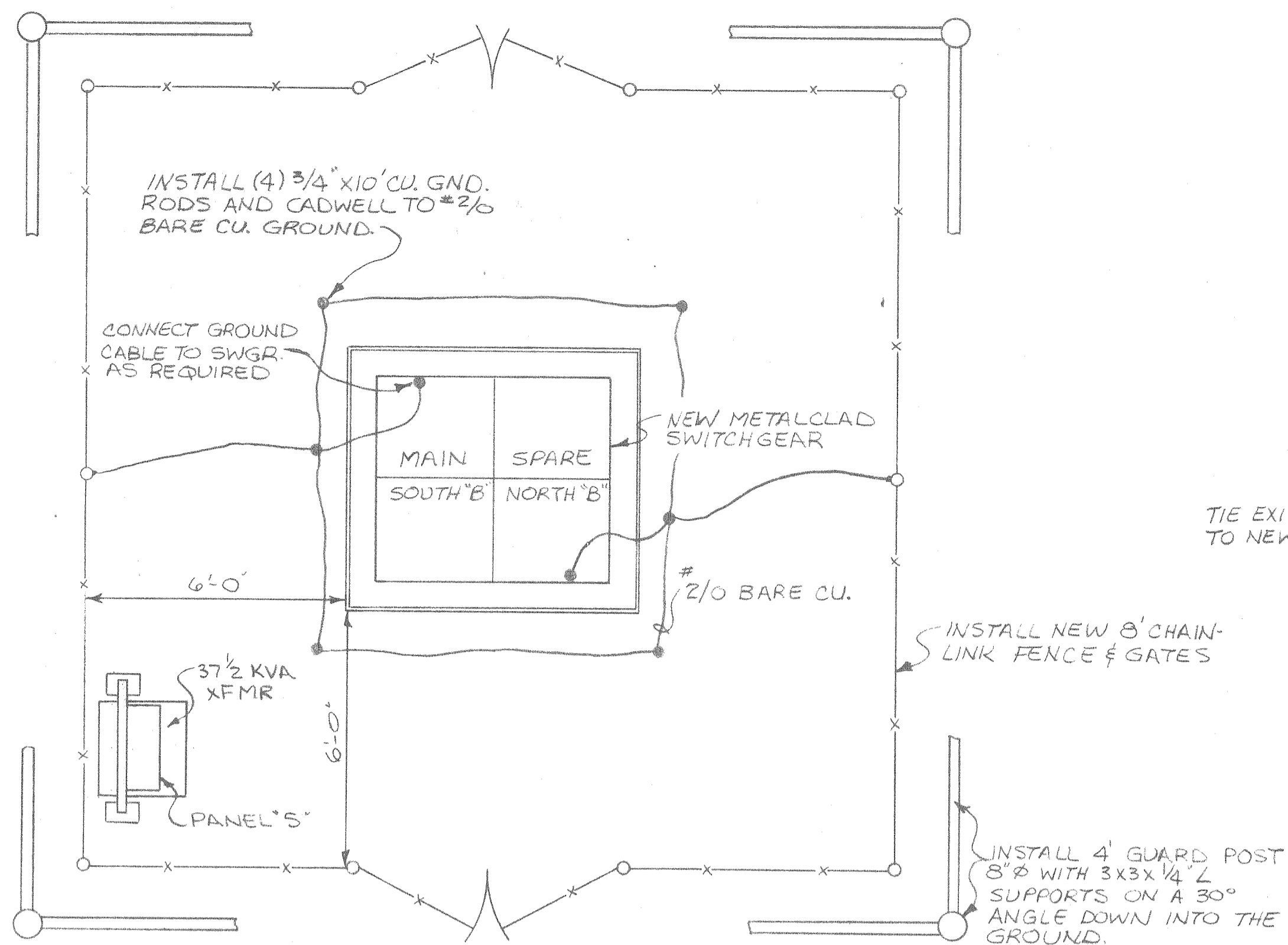
DRAWN BY: LRH
TRACED BY:
CHECKED BY:

APPROVED:

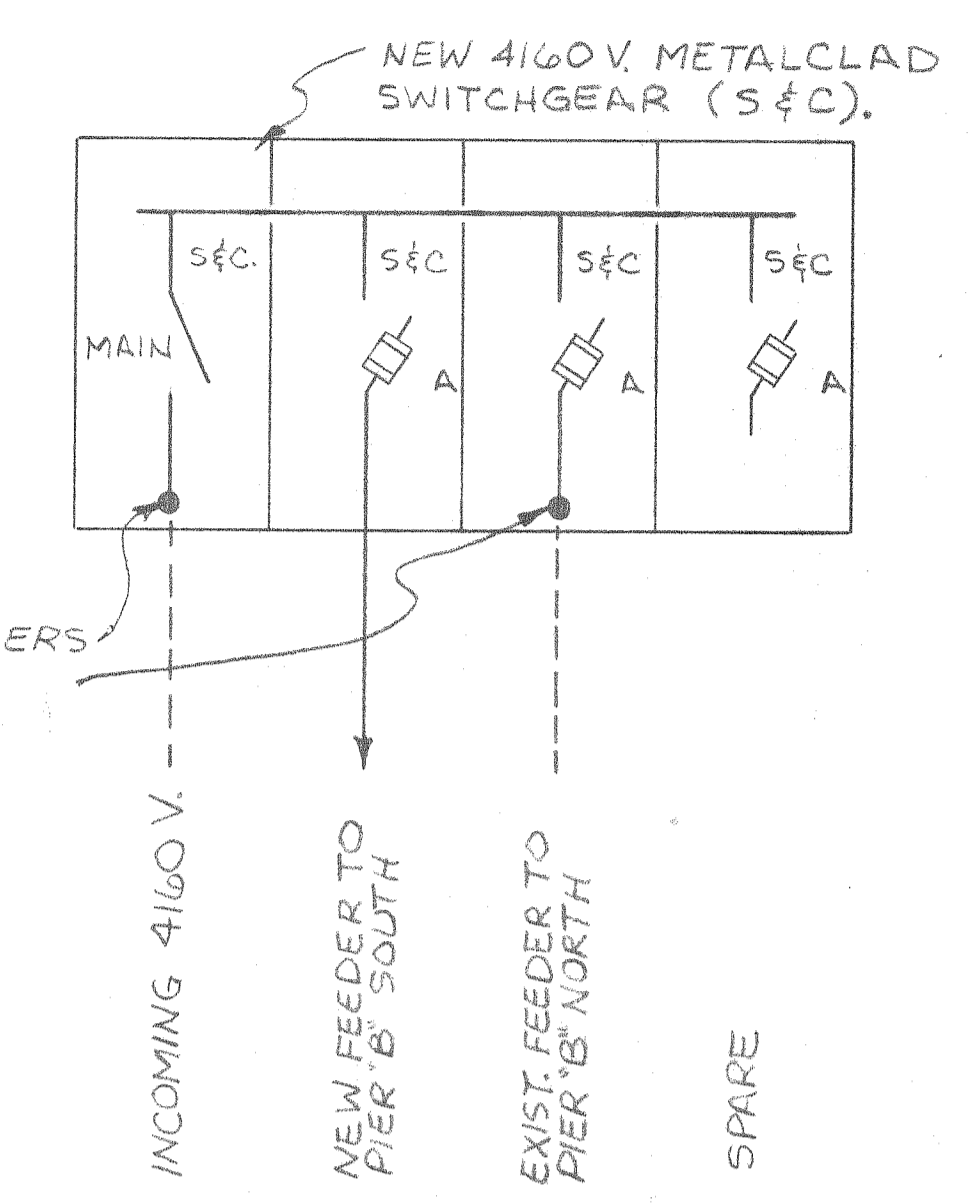
B-10-145-68



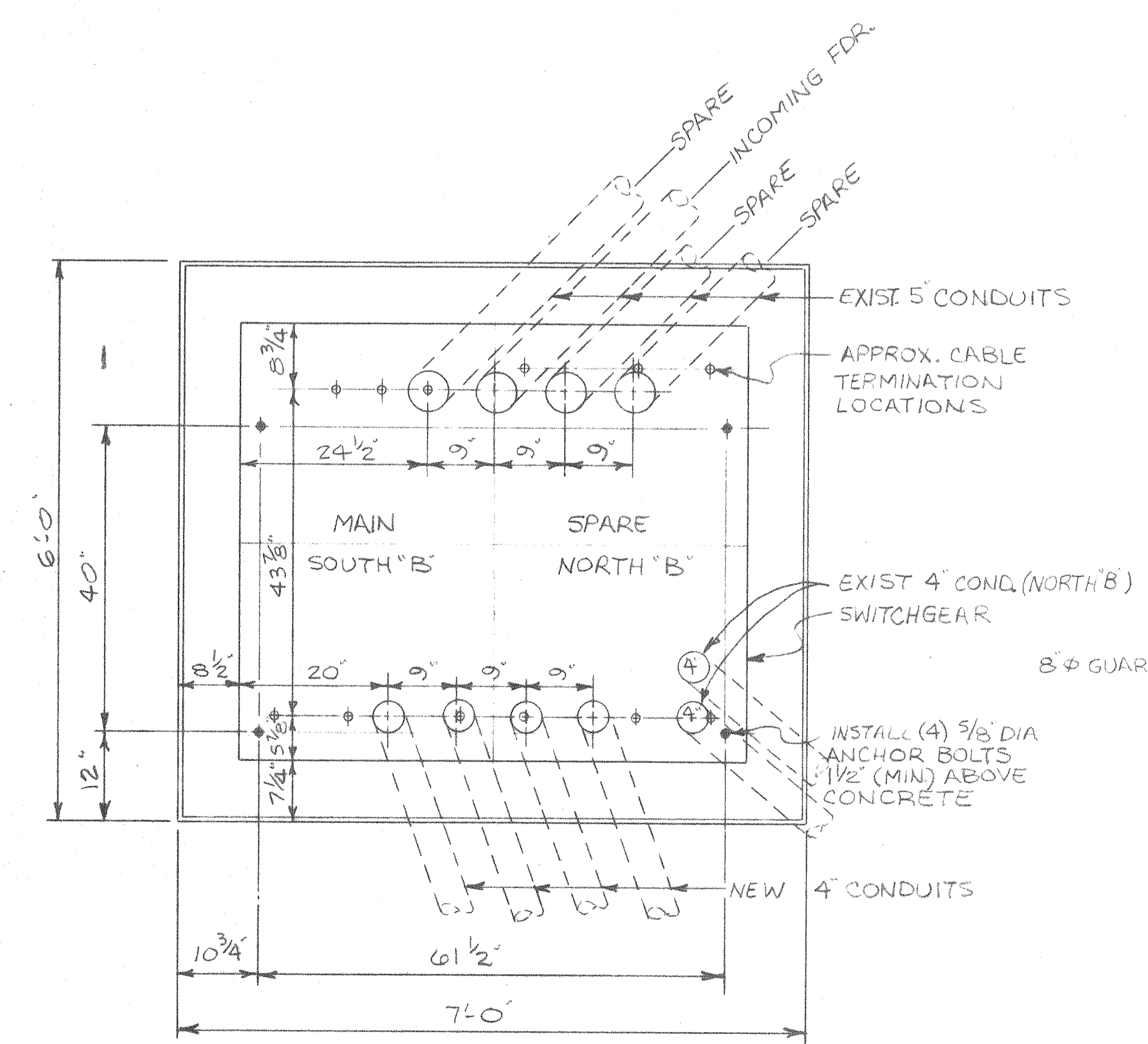
DEMOLITION PLAN
N.T.S.



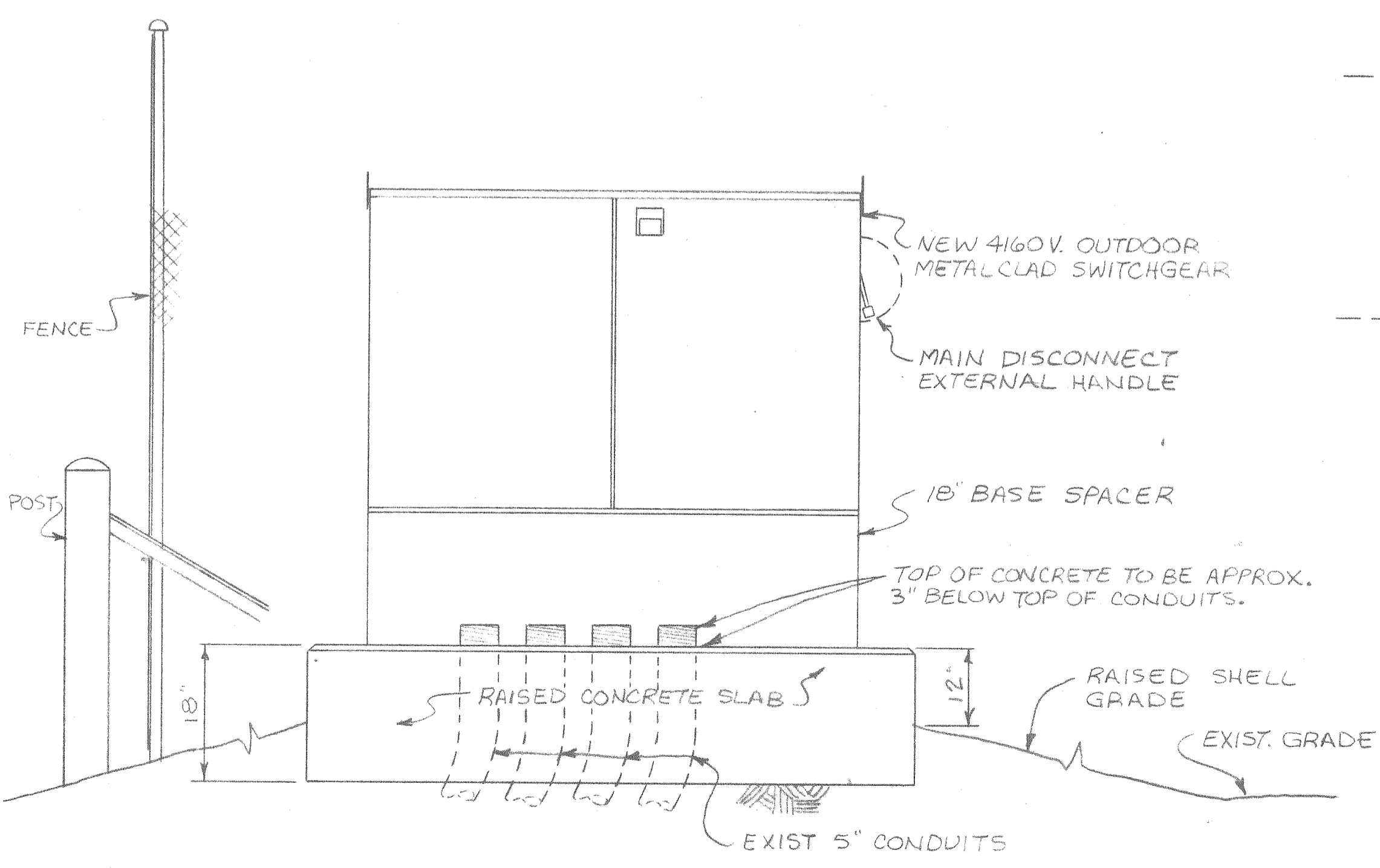
SWITCHGEAR PLAN
3/8" = 1'-0"



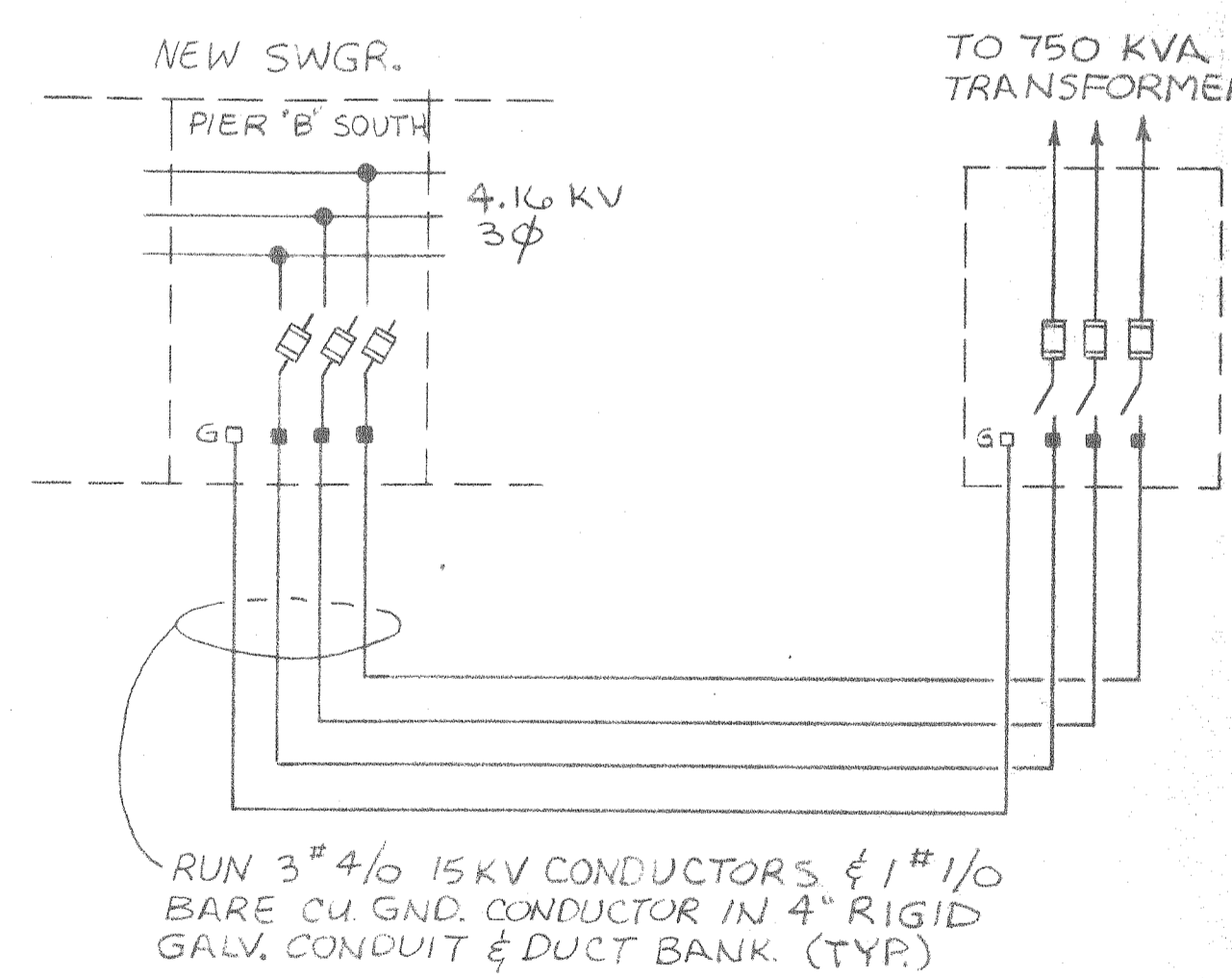
**SINGLELINE DIAGRAM
NEW 4160V OUTDOOR
SWITCHGEAR AT PIER "B"**



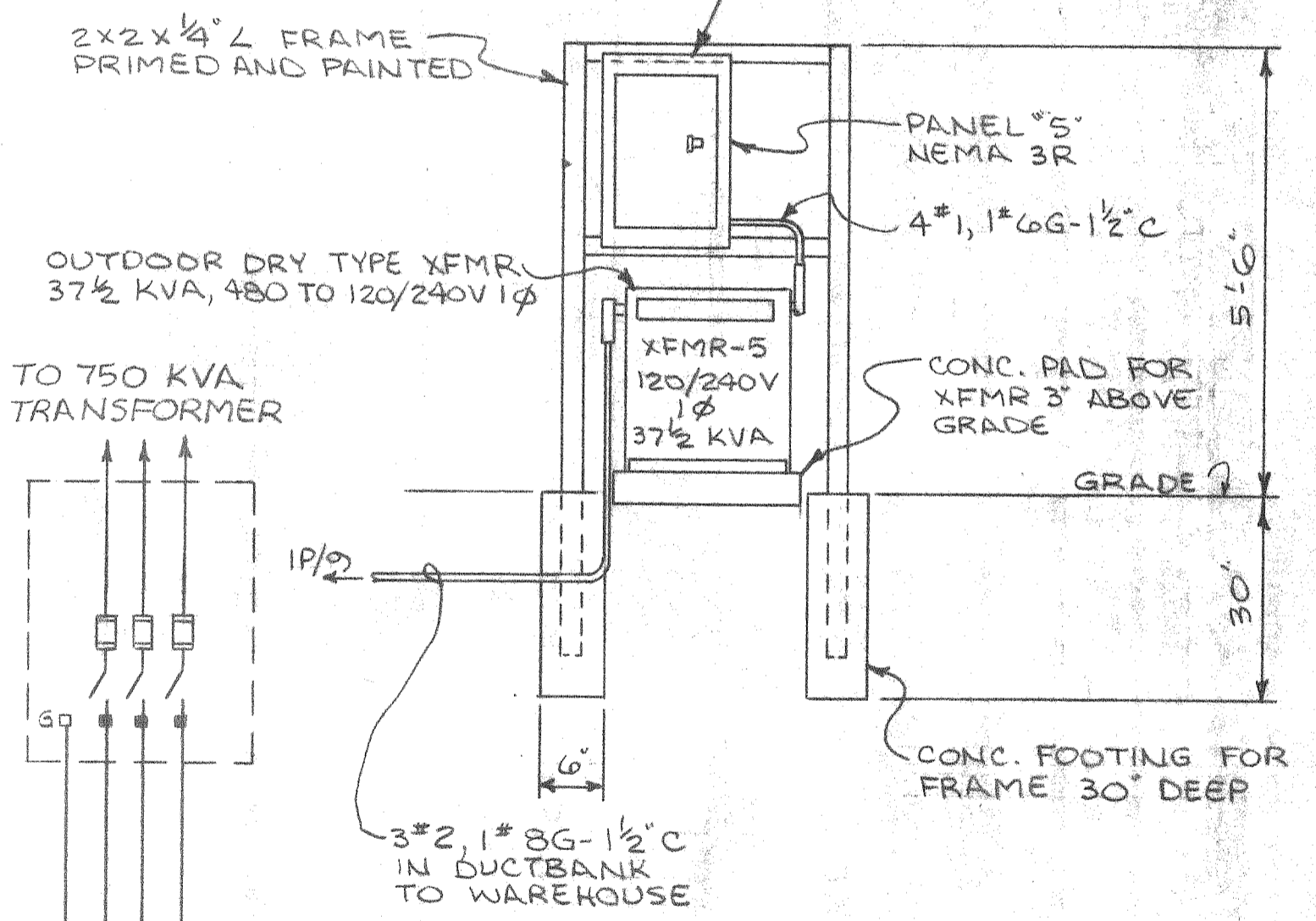
CONDUIT STUB UP PLAN
3/4" = 1'-0"



**ELEVATION
LOOKING EAST**
3/4" = 1'-0"



POWER RISER
N.T.S.



**120/240V, 1φ PANEL
AT SWITCHGEAR**

ALABAMA STATE DOCKS
MOBILE, ALABAMA

**PIER "B" SOUTH
ELECTRICAL
HIGH VOLTAGE PLAN**

SCALE: NOTED
DATE: 9-30-87
RECOMMENDED:

DRAWN BY: L.R.H.
TRACED BY:
CHECKED BY:

APPROVED:

B-10-145-69