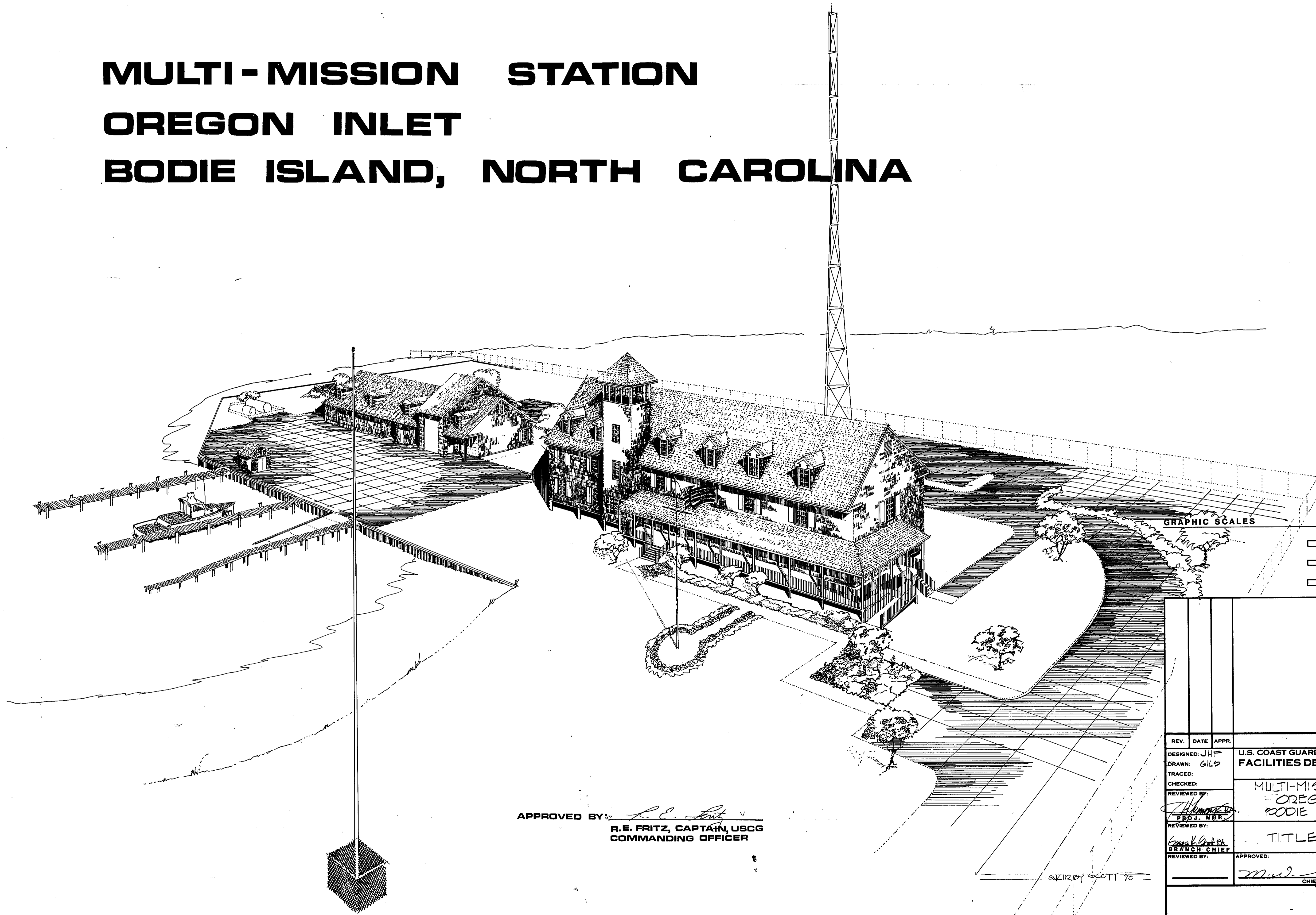


MULTI-MISSION STATION OREGON INLET BODIE ISLAND, NORTH CAROLINA



APPROVED BY: *R. E. Fritz*
R. E. FRITZ, CAPTAIN, USCG
COMMANDING OFFICER

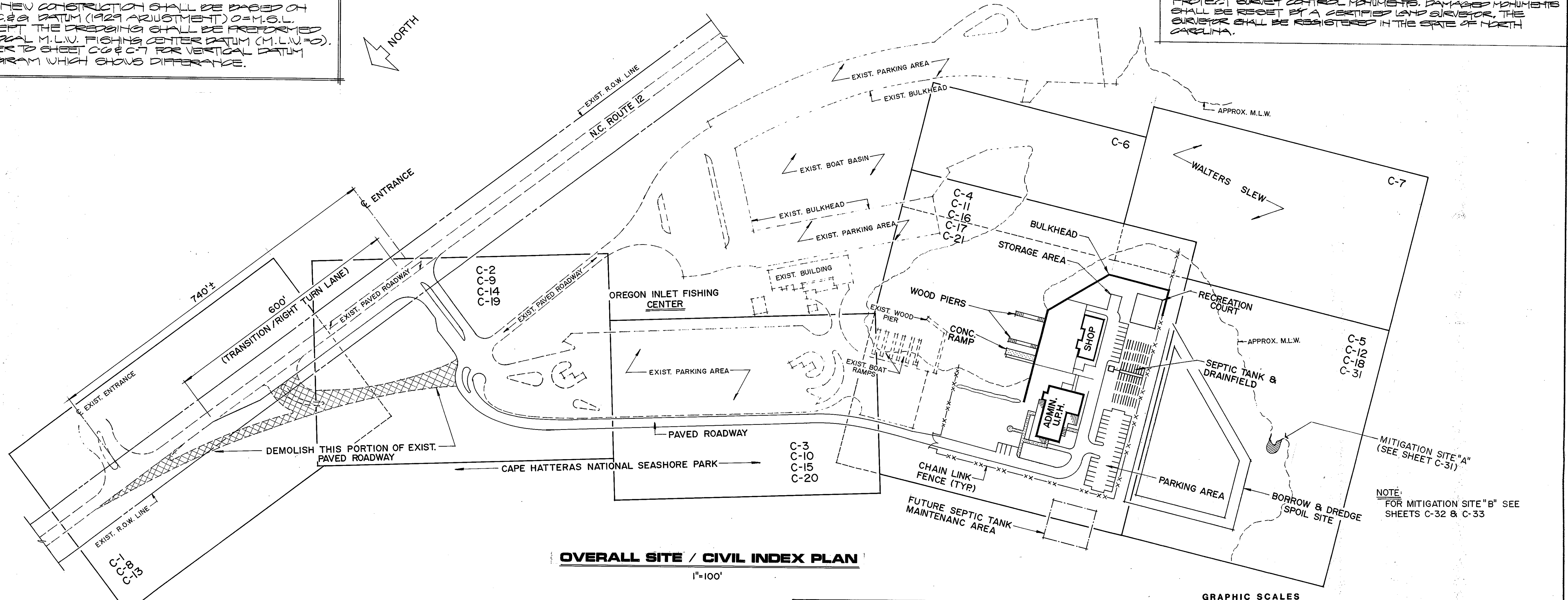
6/21/90 BY SCOTT 70

GRAPHIC SCALES

REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:	JHF		U.S. COAST GUARD	NORFOLK, VA 23513
DRAWN:	GILB		FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED:			CIVIL ENGINEERING	
CHECKED:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
REVIEWED BY:			BODIE ISLAND, NC	
REVIEWED BY:			TITLE SHEET	
REVIEWED BY:			APPROVED:	
			<i>M. J. ...</i>	3.22.90
			CHIEF OF DIVISION	DATE
			DRAWING NUMBER	
			05-01-87	
			SCALE: NONE	SHEET 1 of 97

NOTE:
 ALL NEW CONSTRUCTION SHALL BE BASED ON U.S.C&G DATUM (1929 ADJUSTMENT) O=M.S.L. EXCEPT THE DREDGING SHALL BE PERFORMED ON LOCAL M.L.V. FISHING CENTER DATUM (M.L.V.=0). REFER TO SHEET C-6 & C-7 FOR VERTICAL DATUM DIAGRAM WHICH SHOWS DIFFERENCE.

NOTE:
 PROTECT SURVEY CONTROL MONUMENTS. DAMAGED MONUMENTS SHALL BE RESET BY A CERTIFIED LAND SURVEYOR. THE SURVEYOR SHALL BE REGISTERED IN THE STATE OF NORTH CAROLINA.



OVERALL SITE / CIVIL INDEX PLAN
 1"=100'

PRIOR TO EXCAVATION, THE CONTRACTOR SHALL CONTACT ALL OF THE FOLLOWING AGENCIES TO ENSURE THAT NO EXISTING UTILITIES ARE DAMAGED DURING CONSTRUCTION AND TO COORDINATE THE INSTALLATION OF ALL NEW UTILITIES.

North Carolina Utility Location
 (For all Utilities)
 919-641-3300

N-LOCO
 (For all Utilities)
 1-800-632-4949

North Carolina Power
 (For Electrical Information)
 919-473-4112

Carolina Telephone
 (For Telephone Line Information)
 Mr. Carson Robinson
 919-473-1609

Town of Nags Head
 (For Water Line Information)
 Mr. Skip Lang - Public Works Director
 919-441-1122

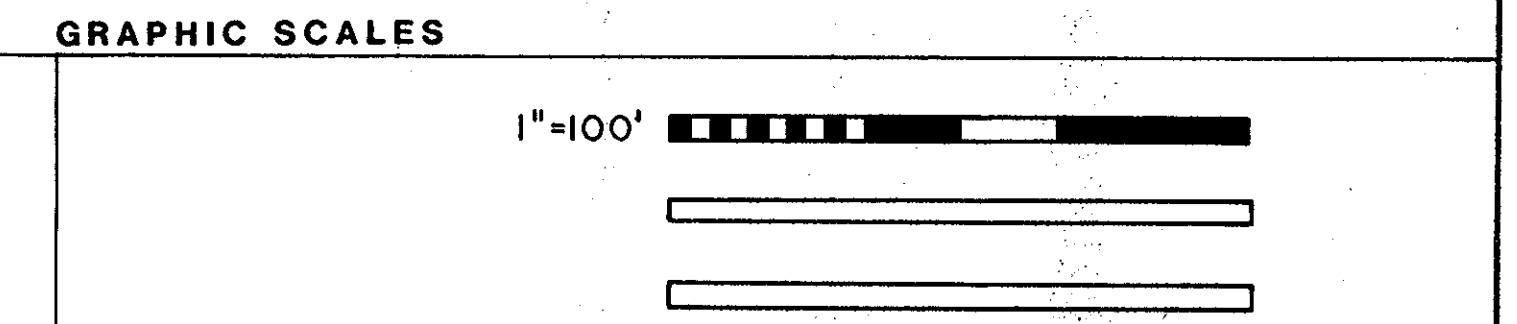
ALSO CONTACT

Dare County Health Dept.
 For Septic Tank Installation
 Mr. Marvin Parker
 919-441-2143

North Carolina Highway Department
 For Highway Construction
 Mr. D. R. Conner - Anoskie N.C. Office
 919-332-4021

National Park Service - General Information
 Mr. Tom Hartman, Superintendent
 Cape Hatteras National Seashore
 919-473-2111

EXISTING	LEGEND	NEW
5.50	ELEVATION	550
	VALVE & VALVE BOX	
	FIRE HYDRANT	
	POINT OF CONNECTION DEMOLITION	
	OVERHEAD POWER LINE	
	CABLE T.V. LINE	
	POWER POLE & GUY WIRE	
	CONTOUR LINE	
	SOIL BORING LOCATION	
	CLEAN OUT	
	MANHOLE	
	WATERLINE	
	STORM DRAIN LINE	
	SANITARY DRAIN LINE	
	LIGHT POLE	
	UNDERGROUND ELECTRIC DUCT	
	UNDERGROUND TELEPHONE DUCT	
	CONCRETE PAVEMENT	
	ASPHALT PAVEMENT	
	BUILDING	
	WOODS LINE	
	TREE	
	FENCE	



REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:	CL		U.S. COAST GUARD NORFOLK, VA 23510	
DRAWN:	CL		FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED:	CL		CIVIL ENGINEERING	
CHECKED:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
REVIEWED BY:			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			OVERALL SITE / CIVIL INDEX	
REVIEWED BY:			AND CIVIL LEGEND	
REVIEWED BY:			APPROVED:	
			<i>M.W. Jones</i> 3/22/90	CI-1A
			CHIEF OF DIVISION	DATE
			DRAWING NUMBER	
			05-01-87	
			SCALE: NOTED	SHEET 3 of 97

EM

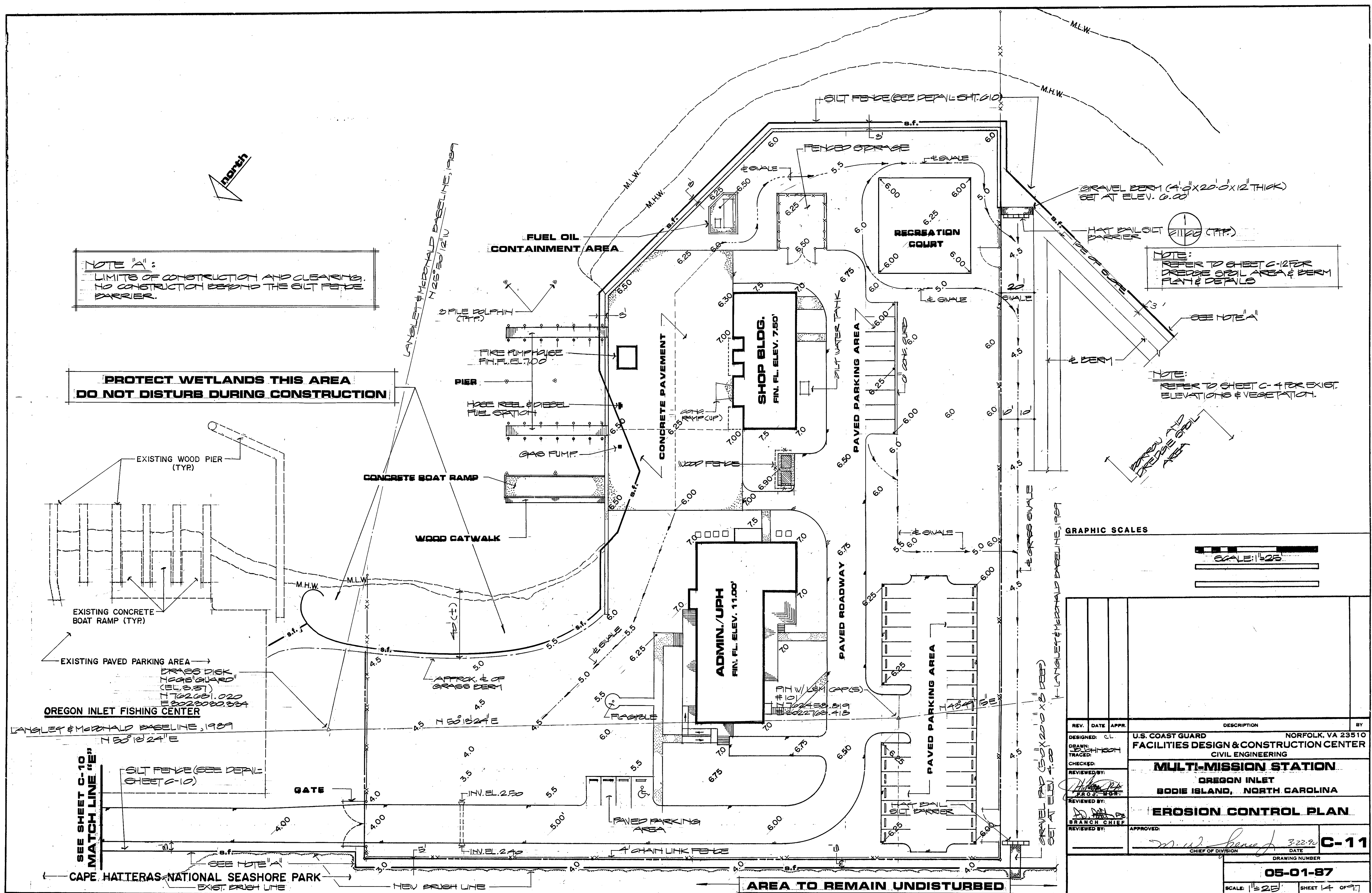
ES&I FILE CORR. IRVING, CA
 5/17/84

NOTE "A":
LIMITS OF CONSTRUCTION AND CLEARING.
NO CONSTRUCTION BEYOND THE OILT FENCE
BARRIER.

**PROTECT WETLANDS THIS AREA
DO NOT DISTURB DURING CONSTRUCTION**

NOTE:
REFER TO SHEET C-12 FOR
DREDGE SPILL AREA & BERM
FLAT & DETAILS

NOTE:
REFER TO SHEET C-4 FOR EXIST.
ELEVATIONS & VEGETATION.



GRAPHIC SCALES

SCALE: 1"=20'

REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:	CL		U.S. COAST GUARD	NORFOLK, VA 23510
DRAWN:	HTH		FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED:	HTH		CIVIL ENGINEERING	
CHECKED:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
REVIEWED BY:			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			EROSION CONTROL PLAN	
BRANCH CHIEF:				
APPROVED:				
			DATE	C-11
			DRAWING NUMBER	
			05-01-87	
			SCALE: 1"=20'	SHEET 14 OF 27

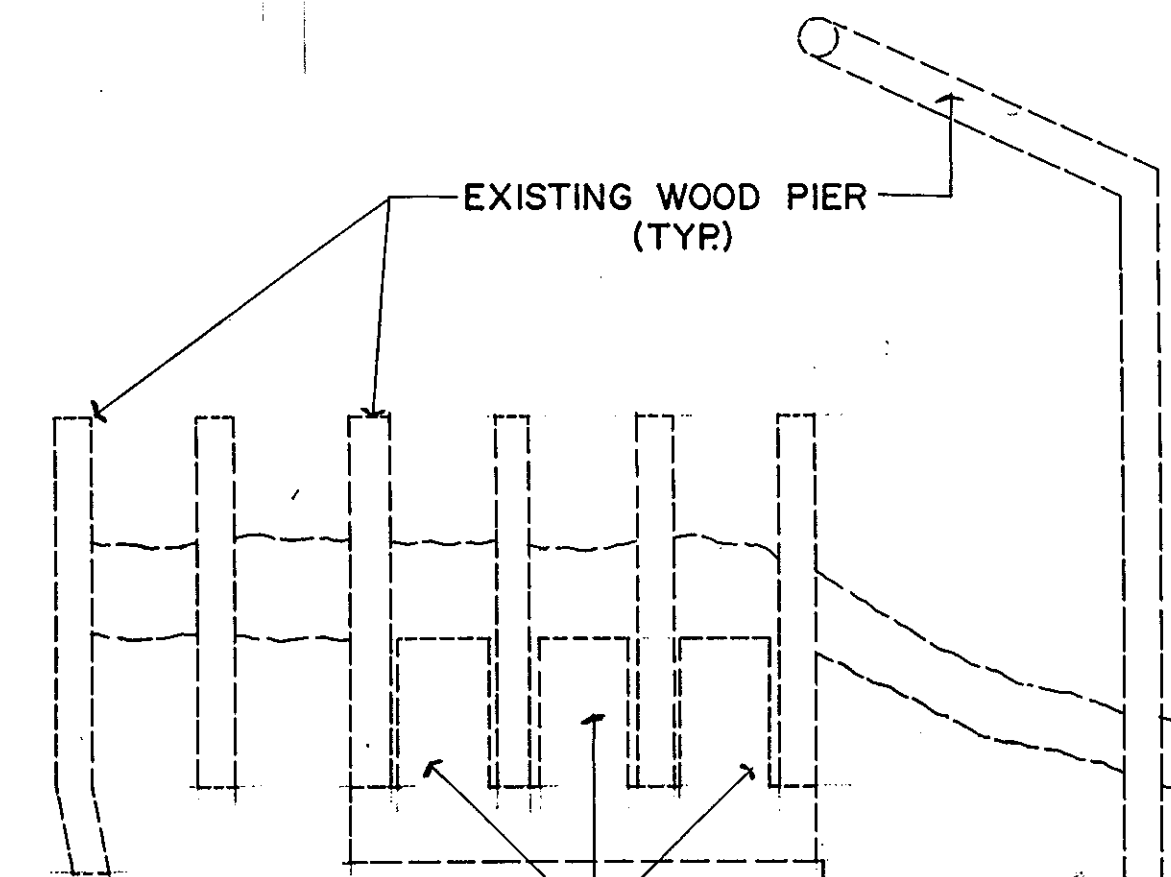
SEE SHEET C-10
MATCH LINE "E"

GRAVEL PAD (50' X 20' X 5" DEEP)
SET AT ELEV. 4.00

AREA TO REMAIN UNDISTURBED

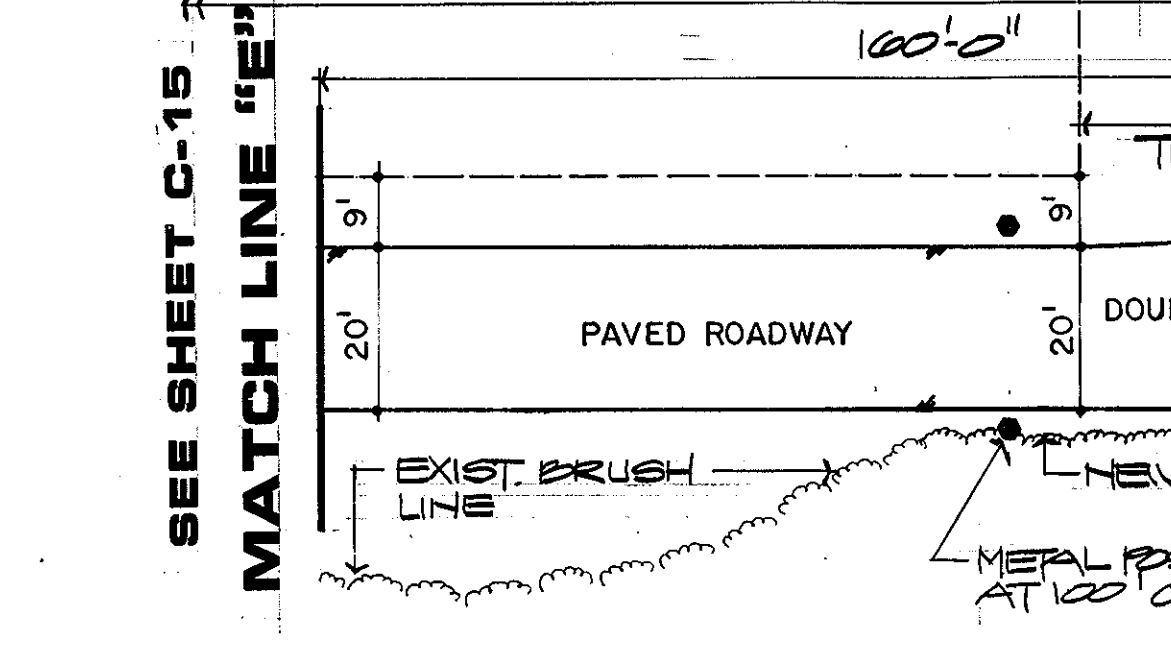


PROTECT WETLANDS THIS AREA, DO NOT DISTURB DURING CONSTRUCTION.



EXISTING WOOD PIER (TYP)
EXISTING CONCRETE BOAT RAMP (TYP)
EXISTING PAVED PARKING AREA
BRASS DISK NCGS[®] GUARD EL. 3.37 N 762681.020 E 3023030.334

OREGON INLET FISHING CENTER
LANGLEY & McDONALD BASELINE, 1989
N 50° 13' 24" E



FUEL OIL CONTAINMENT AREA, SEE STRUCTURAL DWGS.

4" DIA. STEEL PIPE BOLLARD (TYP. OF 3) SEE 3 (C16/C30)

3 PILE DOLPHIN (TYP) SEE STRUCTURAL DWGS.

FIRE PUMP HOUSE FIN. FL. EL. 700' SEE STRUCTURAL DWGS.

HOSE REEL & DIESEL FUEL STA., SEE MECH. DWGS.

12" DIA. STEEL PIPE BOLLARD (TYP) SEE 3 (C16/C30)

SHOP BLDG. FIN. FL. ELEV. 7.50' (OUT TO OUT OF CMU)

ADMIN./UPH FIN. FL. ELEV. 11.00' (OUT TO OUT WD. STUDS)

APPROX. C.L. OF GRASS BERM

ANTENNA W/ GROUND RADIALS FOR WOOD FENCE, SEE 9 (C16/L2)

CONSTRUCTION SIGN SEE 10 (C16/C30)

CONC. WHEELSTOP TYP. SEE 2 (C16/C23)

AREA TO REMAIN UNDISTURBED

FENCED STORAGE, SEE 8' CHAIN LINK FENCE 4 (C16/C25)

BULK HEAD (TYP) SEE STRUCTURAL DWGS.

RECREATION COURT, SEE 8 (C16/C25)

SINGLE GATE (ACCESS TO SPOIL SITE) SEE 5 (C16/C25)

SEPTIC TANK AND DRAINFIELD (SEE SHEET C-21 FOR LAYOUT)

DUMPSTERS W/ CONC. PAD, SEE 7 (C16/C23)

GRAPHIC SCALES
CONC. FOUNDATION FOR TOWER SEE STRUCTURAL DRAWINGS
SCALE: 1/4" = 1'-0"

NOTE:
REFER TO SHEET C-4 FOR EXIST. ELEVATIONS & VEGETATION.

NOTE "A"
LIMITS OF CONSTRUCTION AND CLEARING TO CONSTRUCTION BEYOND THE NEW BRUSH LINE.

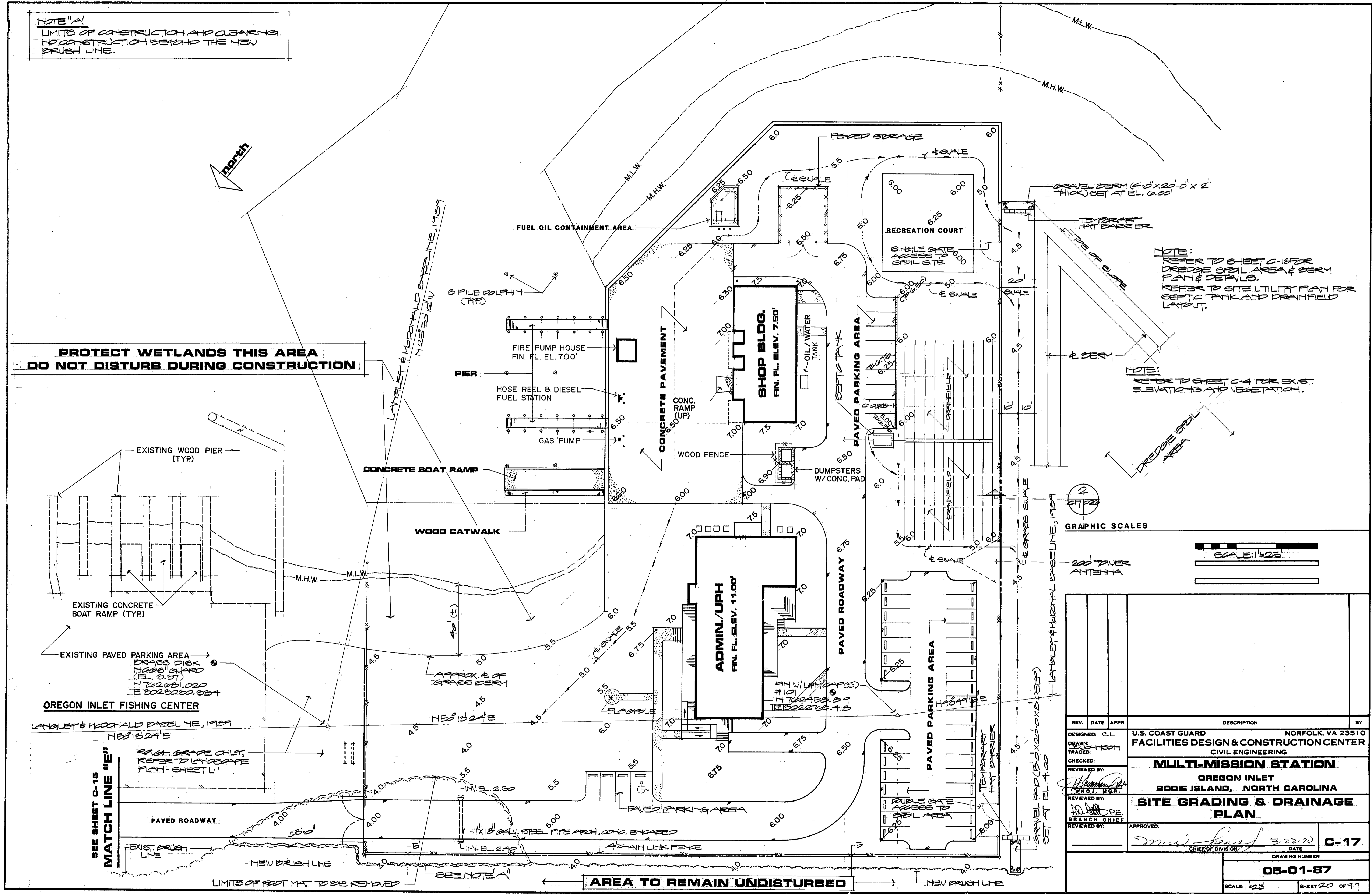
LANGLEY & McDONALD BASELINE, 1989
N 43° 49' 15" E

REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED BY:	CL		U.S. COAST GUARD NORFOLK, VA 23510	
DRAWN BY:	W. H. H. H.		FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED BY:			CIVIL ENGINEERING	
CHECKED BY:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
REVIEWED BY:			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			SITE LAYOUT PLAN	
REVIEWED BY:			APPROVED:	
			<i>W. W. H. H.</i>	3.22.90
			CHIEF OF DIVISION	DATE
			DRAWING NUMBER	C-16
			05-01-87	
			SCALE: 1/4" = 1'-0"	SHEET 19 OF 21

NOTE "A"
 LIMITS OF CONSTRUCTION AND CLEARING.
 NO CONSTRUCTION BEYOND THE NEW
 BRUSH LINE.



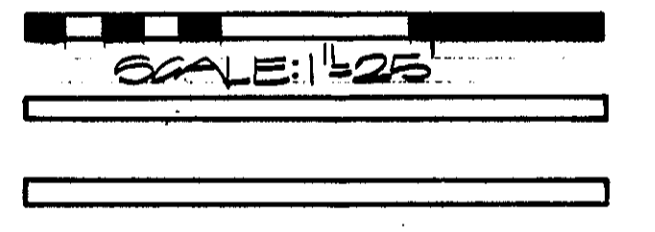
**PROTECT WETLANDS THIS AREA
 DO NOT DISTURB DURING CONSTRUCTION**



NOTE:
 REFER TO SHEET C-15 FOR
 DREDGE SPILL AREA & BERM
 FLAT & DETAILS.
 REFER TO SITE UTILITY PLAN FOR
 SEPTIC TANK AND DRAINFIELD
 LAYOUT.

NOTE:
 REFER TO SHEET C-4 FOR EXIST.
 ELEVATIONS AND VEGETATION.

2
 GRAPHIC SCALES



REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:	CL		U.S. COAST GUARD	NORFOLK, VA 23510
DRAWN:	JEH/HCH		FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED:			CIVIL ENGINEERING	
CHECKED:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
PROJ. MGR.			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			SITE GRADING & DRAINAGE	
BRANCH CHIEF			PLAN	
REVIEWED BY:			APPROVED:	
			<i>M. J. Jones</i>	3.22.90
			CHIEF OF DIVISION	C-17

DRAWING NUMBER
05-01-87
 SCALE: 1"=25' SHEET 20 OF 97

SEE SHEET C-15
 MATCH LINE "E"

OREGON INLET FISHING CENTER

AREA TO REMAIN UNDISTURBED

NOTE:
 AVOID DAMAGE TO BULKHEAD TIE BACK SYSTEM DURING INSTALLATION OF UTILITIES. REFER TO STRUCTURAL DRAWINGS FOR LOCATION OF TIE BACKS & DEPTH.

NOTE:
 THE CONTRACTOR SHALL CONTACT DAKE COUNTY HEALTH DEPT., SEPTIC TANK SECTION, CITY HALL, 716 TELEPHONE NO. (919) 441-2143 FOR FINAL INSPECTION, TESTING AND APPROVAL. CONTACT MR. MARVIN F. PARKER.

NOTE "A"
 LIMITS OF CONSTRUCTION AND CLEARING TO CONSTRUCTION BEYOND THE NEW PAVED LINE.

NOTE:
 REFER TO SHEETS C-4 FOR EXIST. ELEVATIONS AND VEGETATION.

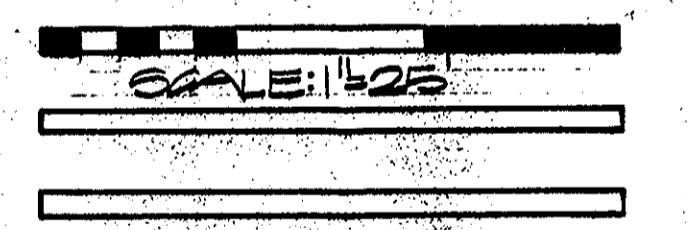
4" P.V.C. PERFORATED PIPE AT 6'-0" O.C. x 60'-0" LENGTH (TYP. 10 REQUIRED-EACH SIDE)

CONC. DISTRIBUTION TROUGH, SEE C21/C27

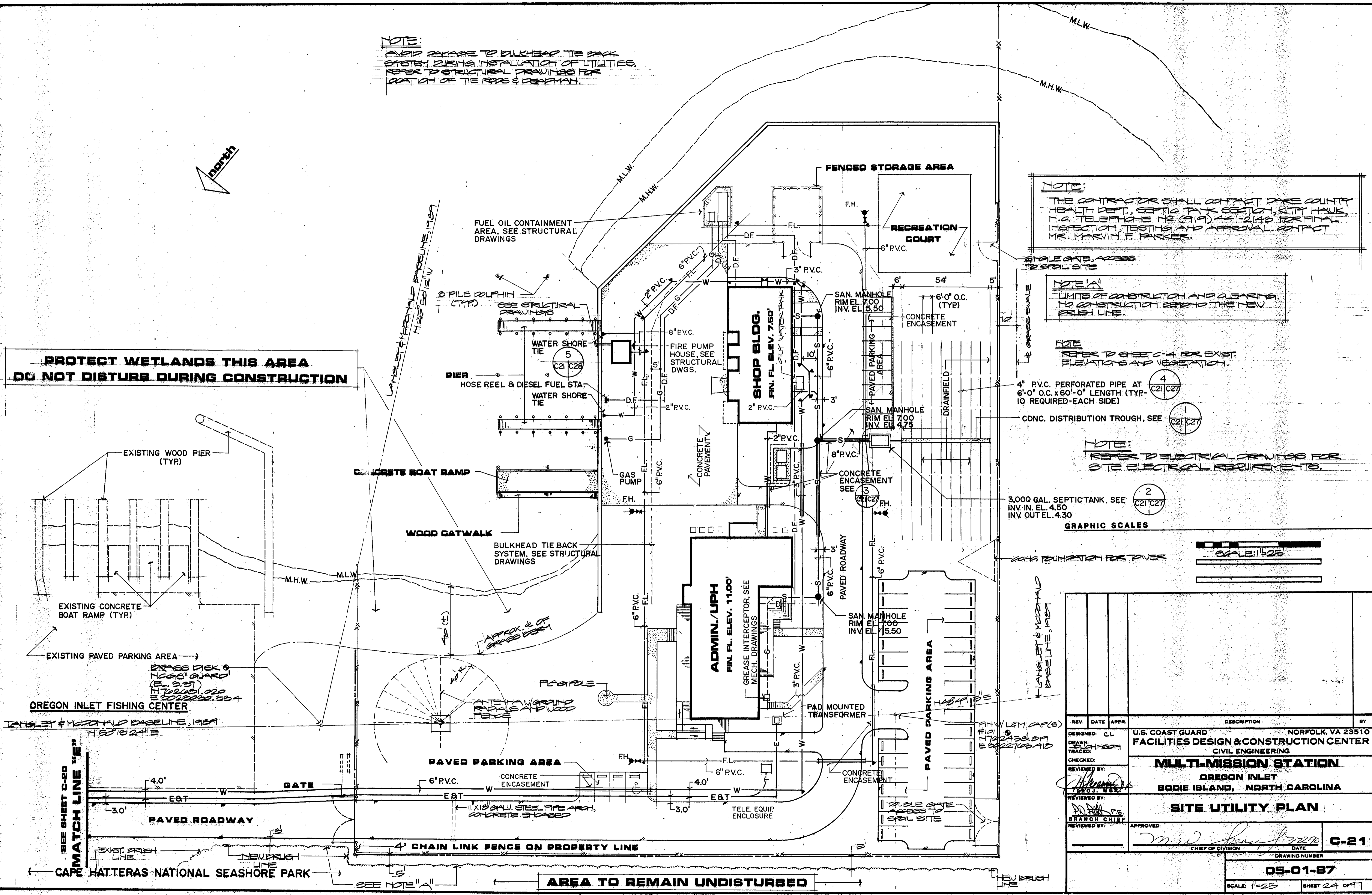
NOTE:
 REFER TO ELECTRICAL DRAWINGS FOR SITE ELECTRICAL REQUIREMENTS.

3,000 GAL. SEPTIC TANK, SEE C21/C27
 INV. IN. EL. 4.50
 INV. OUT EL. 4.30

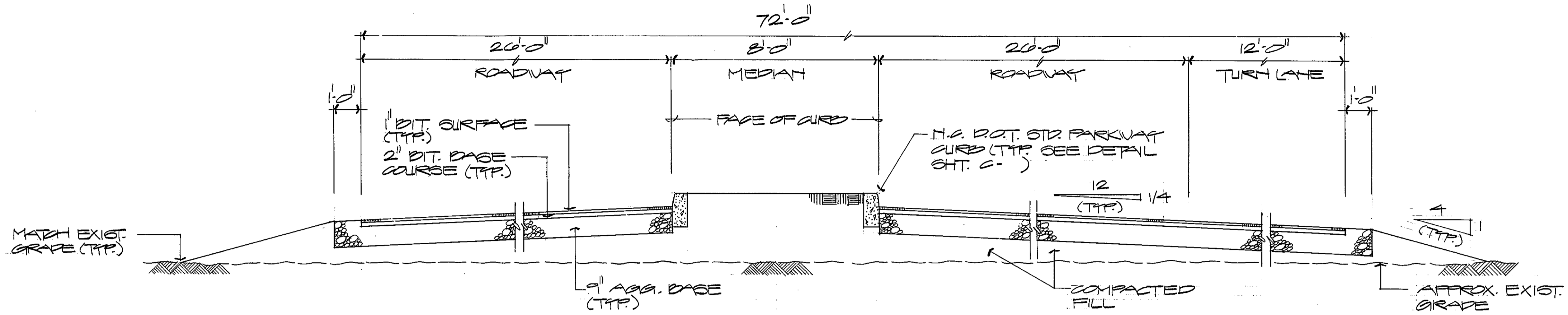
GRAPHIC SCALES



**PROTECT WETLANDS THIS AREA
 DO NOT DISTURB DURING CONSTRUCTION**

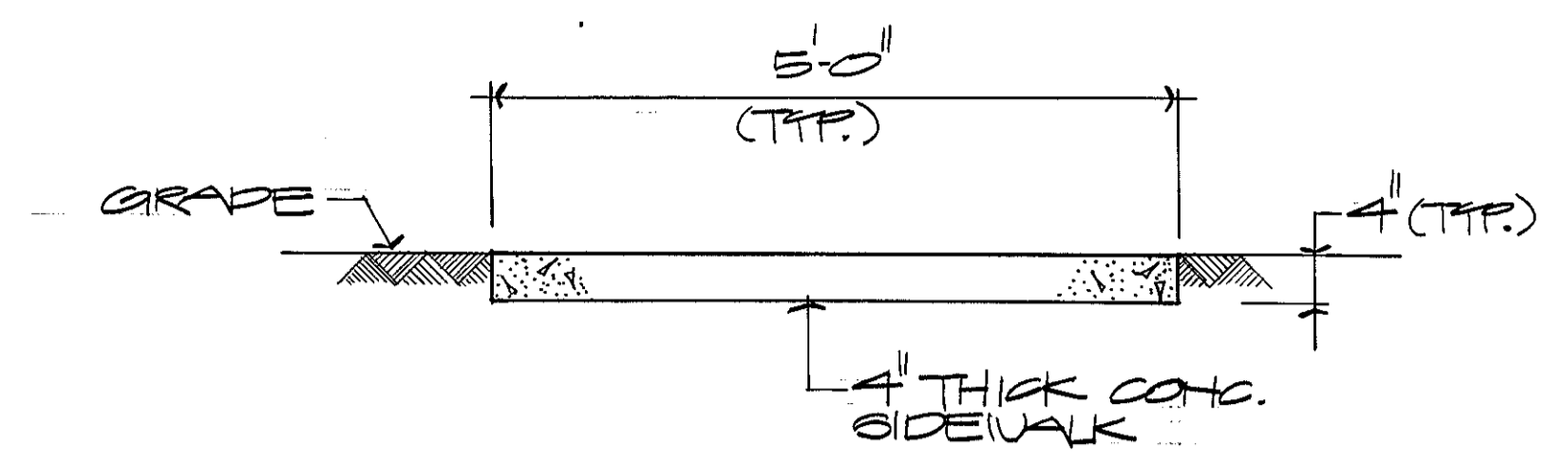
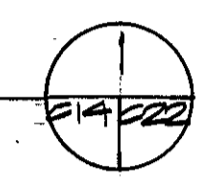


REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED BY	CL		U.S. COAST GUARD	NORFOLK, VA 23510
DRAWN BY	TRACED		FACILITIES DESIGN & CONSTRUCTION CENTER	CIVIL ENGINEERING
CHECKED BY			MULTI-MISSION STATION	
REVIEWED BY			OREGON INLET	
REVIEWED BY			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY			SITE UTILITY PLAN	
APPROVED:				
DATE	3-22-80			C-21
DRAWING NUMBER				
SCALE	1"=25'			
SHEET	24			



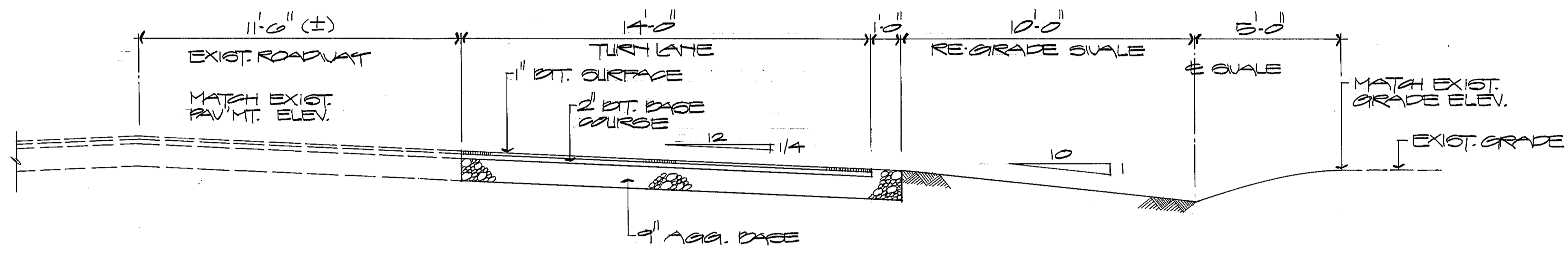
TYPICAL MAIN ENTRANCE ROAD SECTION

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



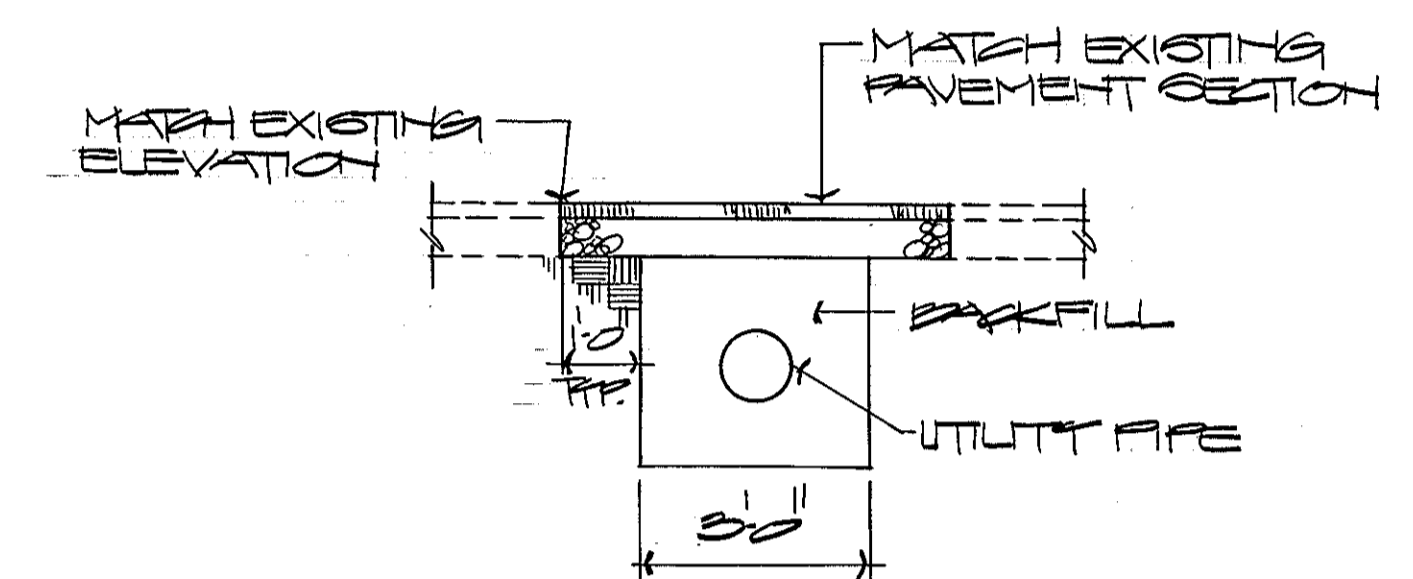
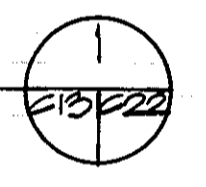
TYPICAL SIDEWALK SECTION

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

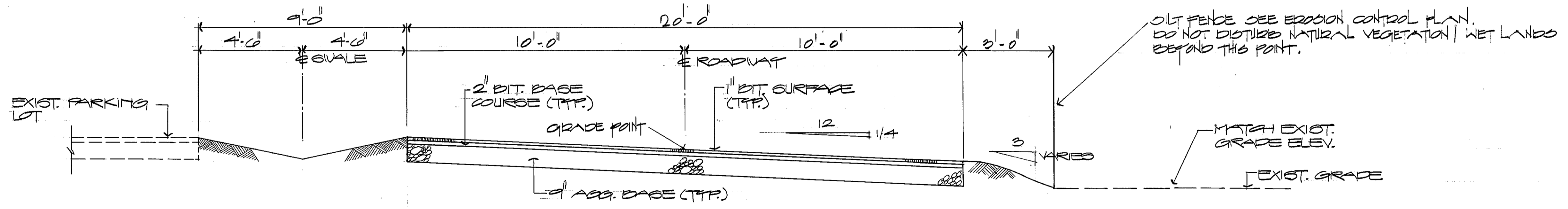


TYPICAL TRANSITION SECTION

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

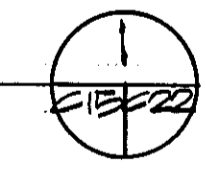


PAVEMENT PATCH DETAIL

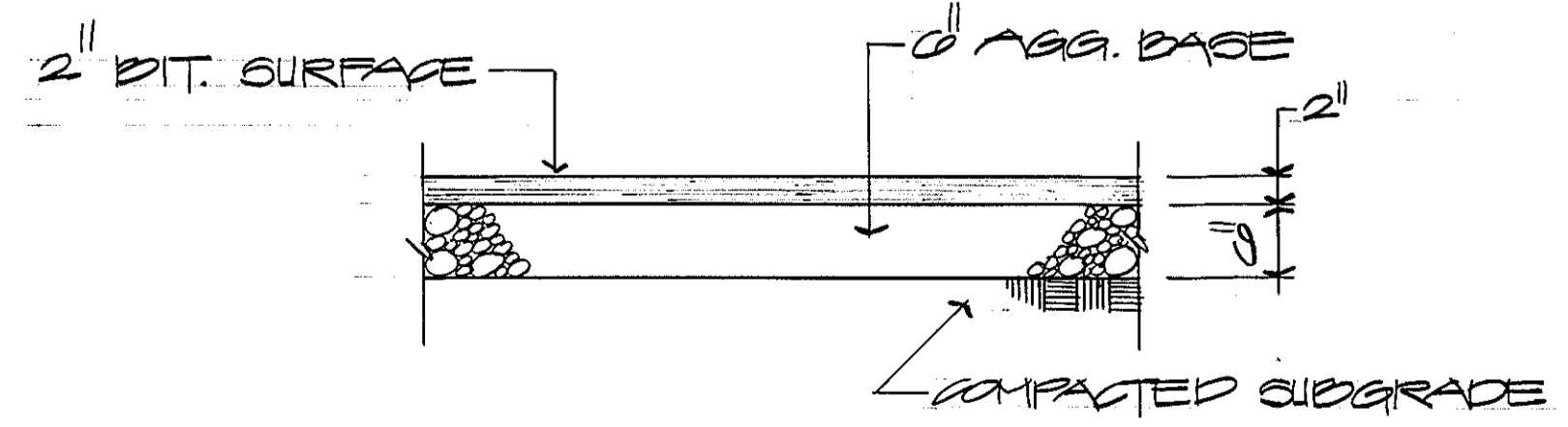
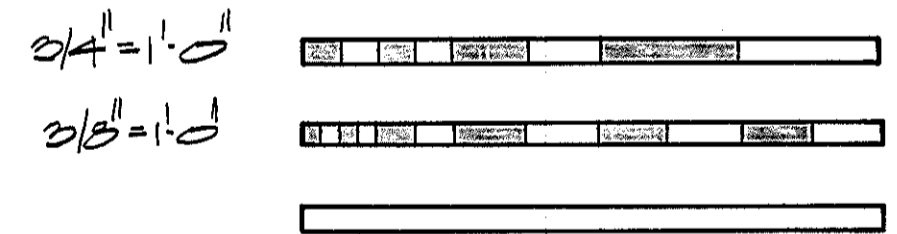


TYPICAL ACCESS ROAD SECTION

N.T.S.



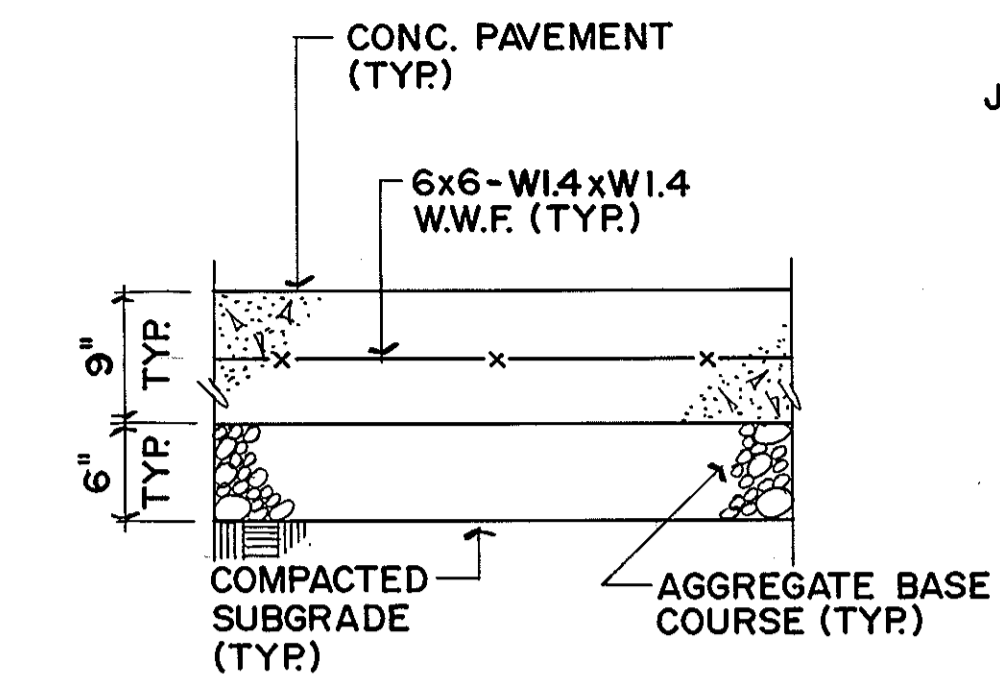
GRAPHIC SCALES



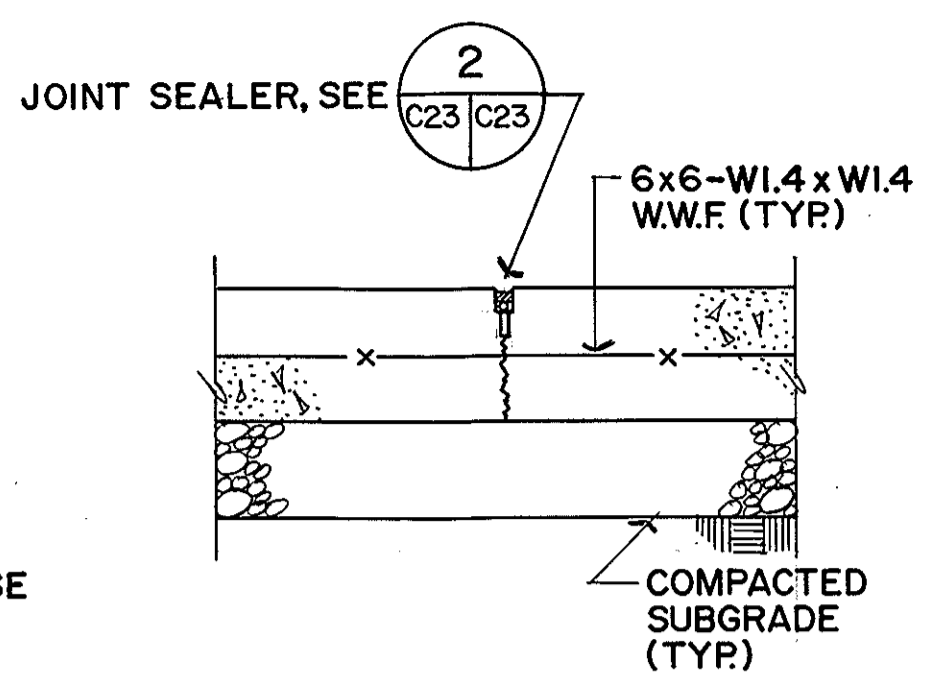
TYPICAL PARKING PAVING SECTION

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

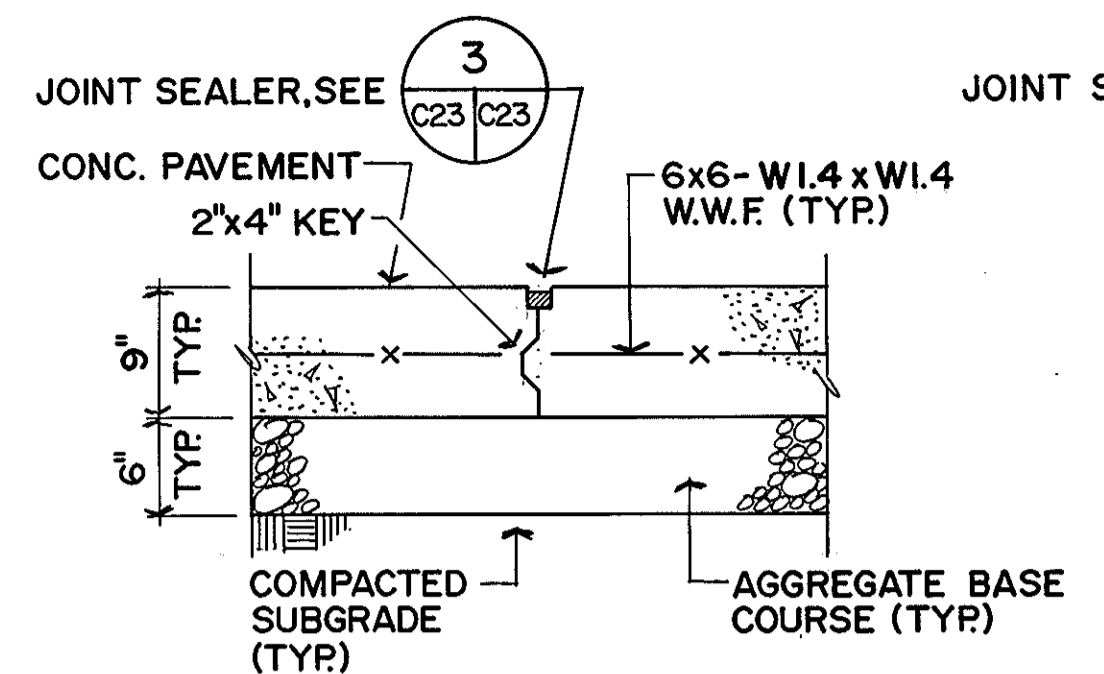
REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED: CL			U.S. COAST GUARD NORFOLK, VA 23510	
DRAWN: JEB/HEC			FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED:			CIVIL ENGINEERING	
CHECKED:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
PROJ. MGR:			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			PAVING SECTIONS	
BRANCH CHIEF:				
REVIEWED BY:			APPROVED:	
			<i>M.W. Perry</i> 3-22-80	C-22
			CHIEF OF DIVISION	DATE
			DRAWING NUMBER	
			05-01-87	
			SCALE: NOTED	SHEET 23 OF 27



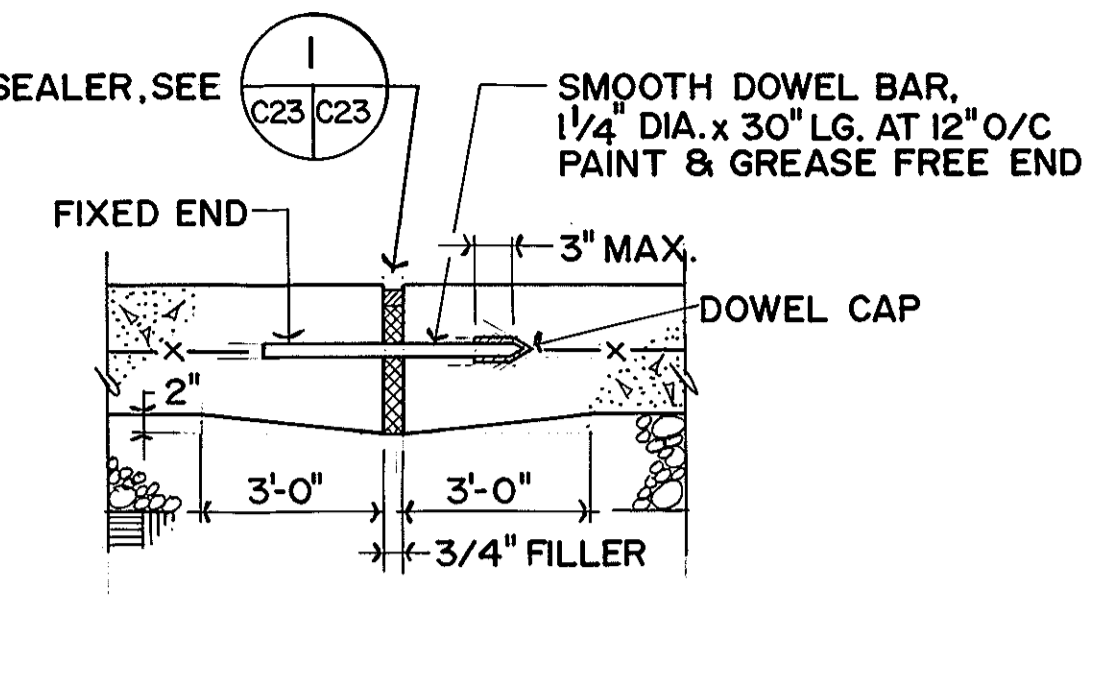
TYP. CONC. PAVEMENT SECTION
N.T.S.



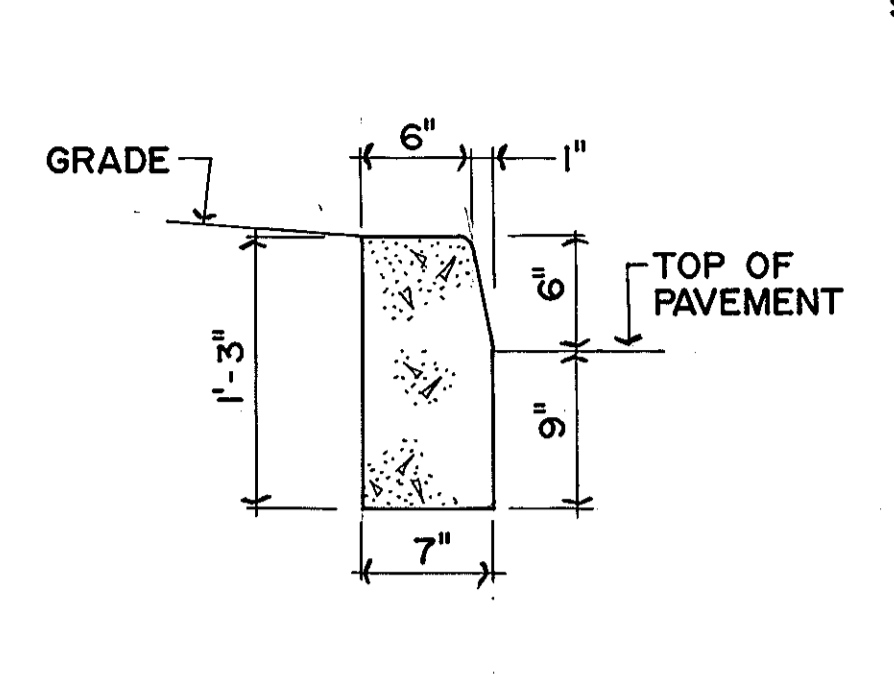
CONTRACTION JOINT
N.T.S.



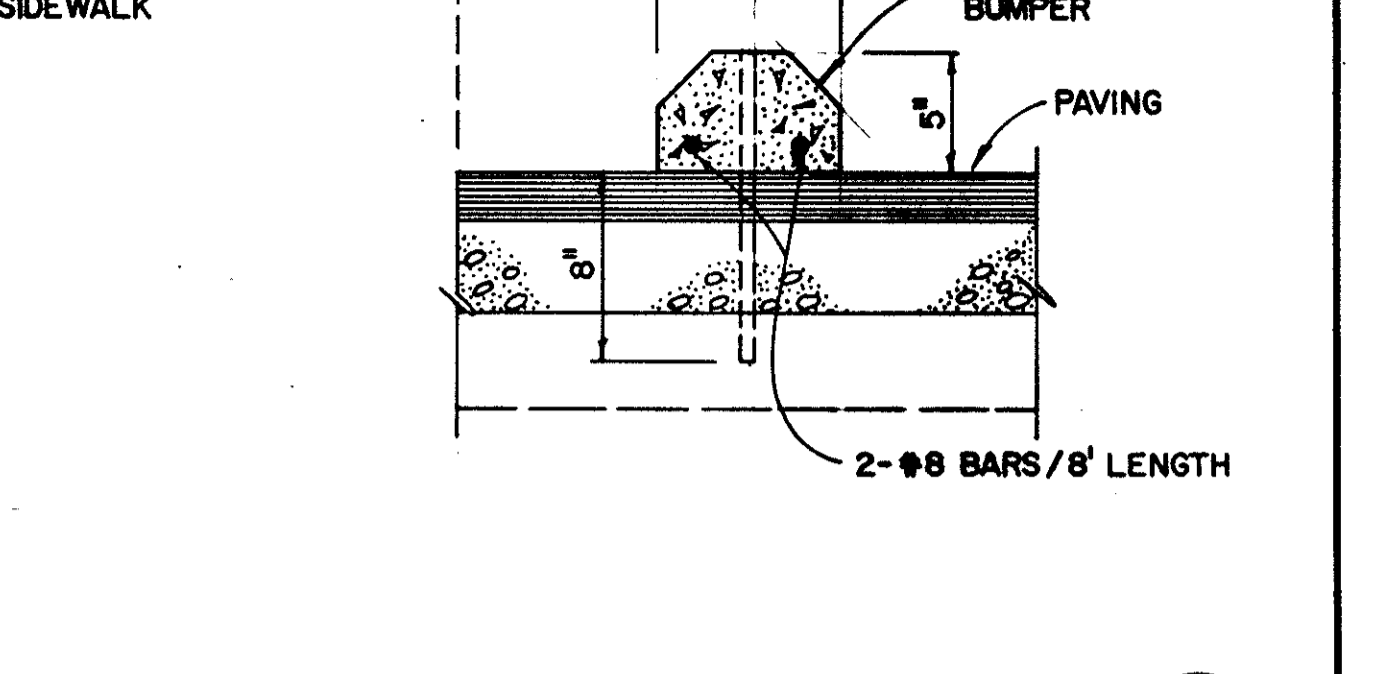
CONSTRUCTION JOINT
N.T.S.



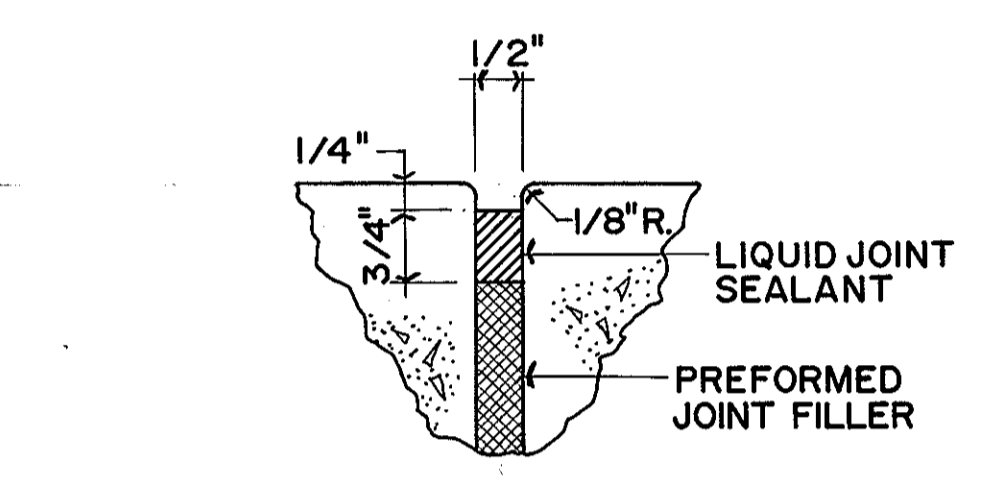
THICKENED EDGE EXPANSION JOINT
N.T.S.



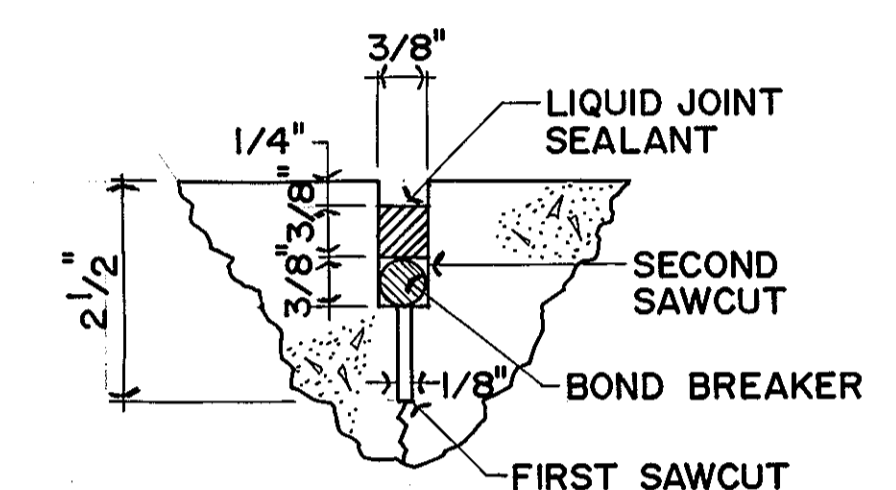
STD. PARKWAY CURB
N.T.S.



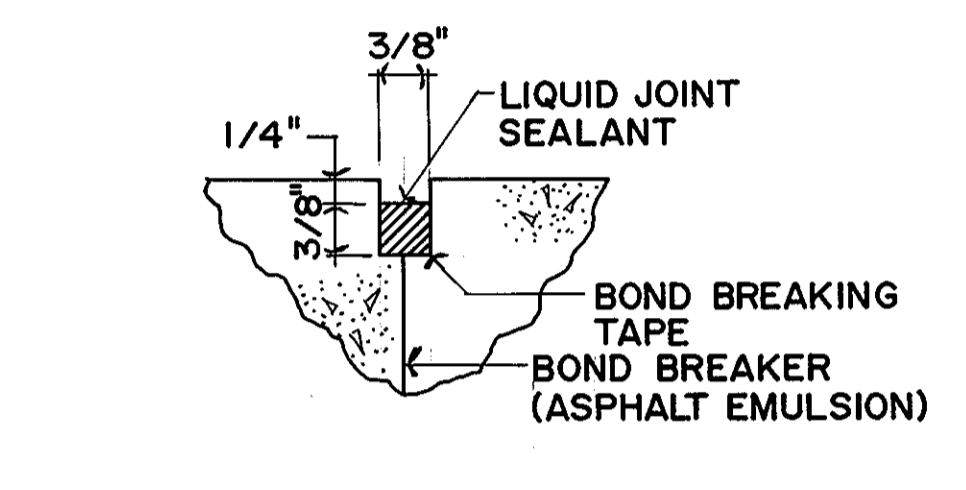
PRECAST CONC. WHEEL STOP
N.T.S.



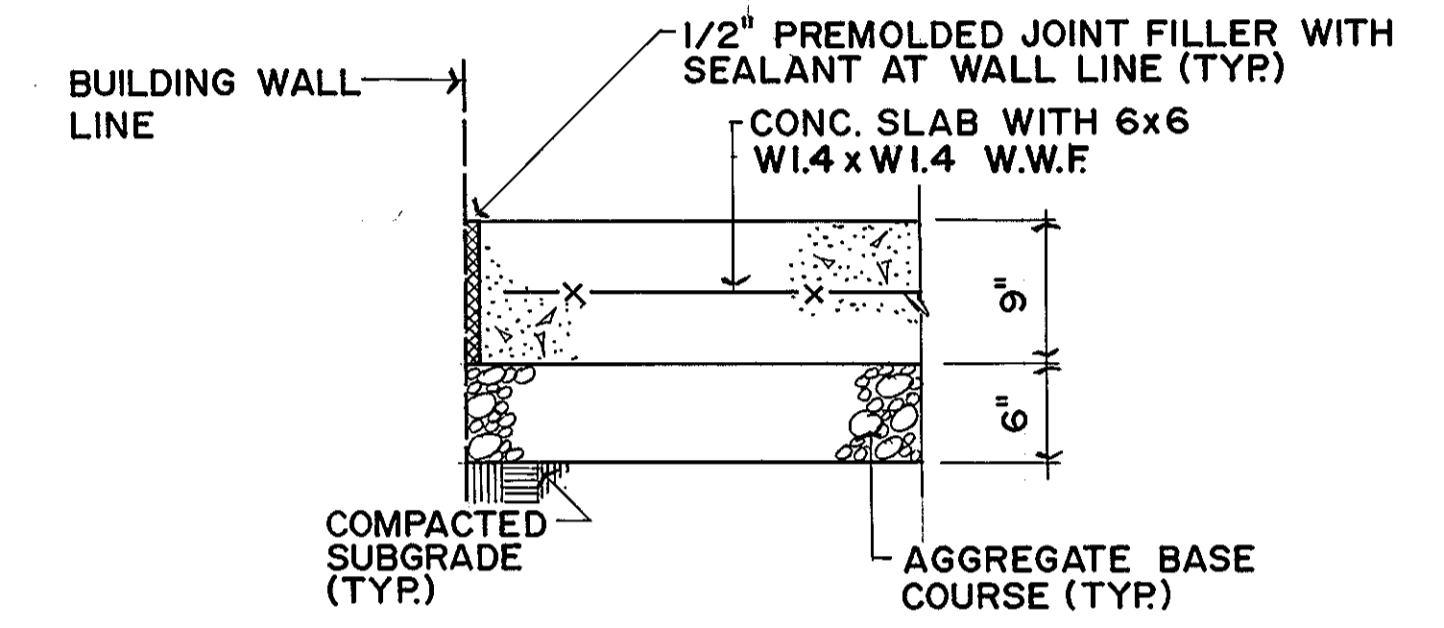
SEALANT DETAIL 1
N.T.S.



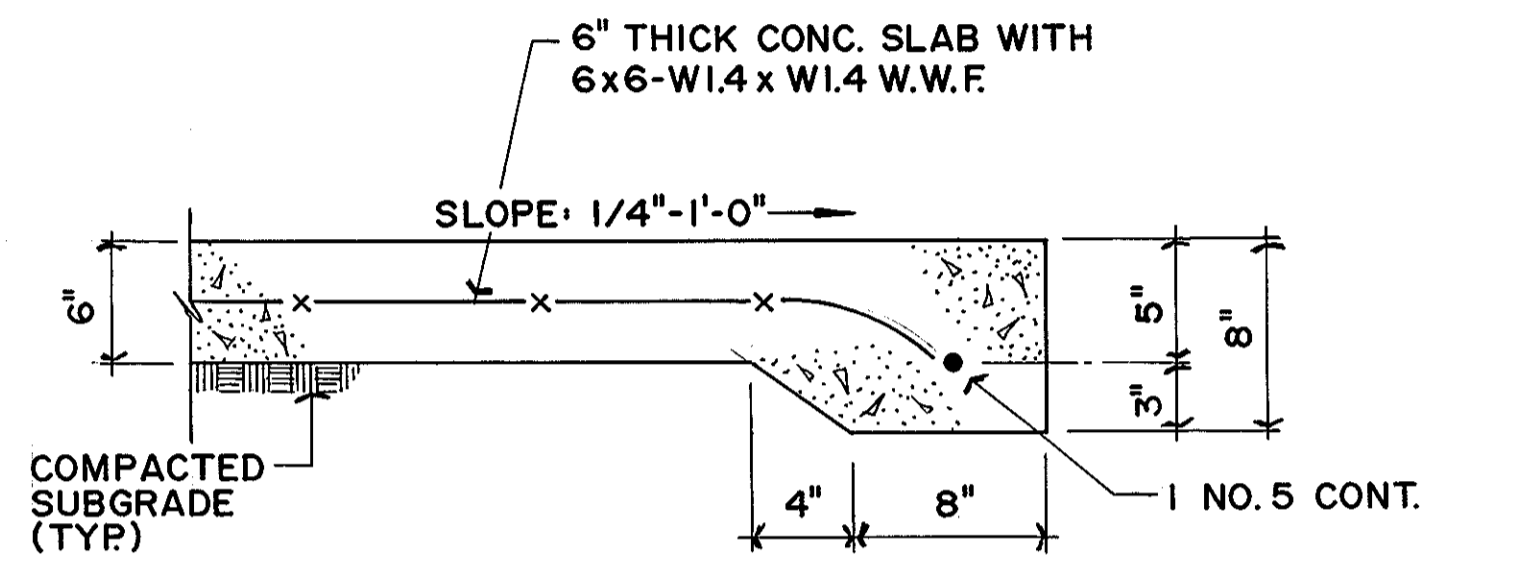
SEALANT DETAIL 2
N.T.S.



SEALANT DETAIL 3
N.T.S.



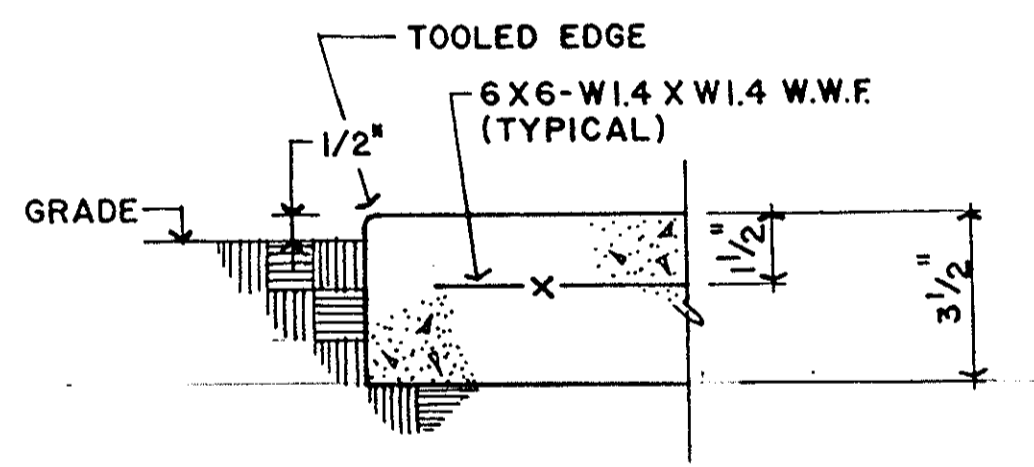
TYP. EXPANSION JOINT AT WALL
N.T.S.



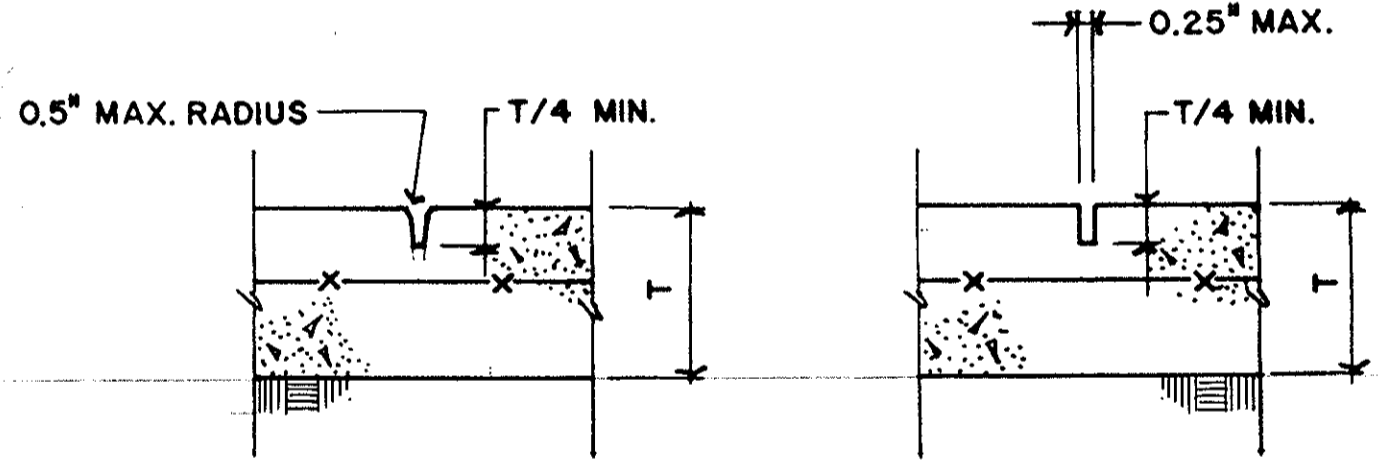
DUMPSTER PAD DETAIL
N.T.S.

MISC. CONCRETE PAVEMENT DETAILS

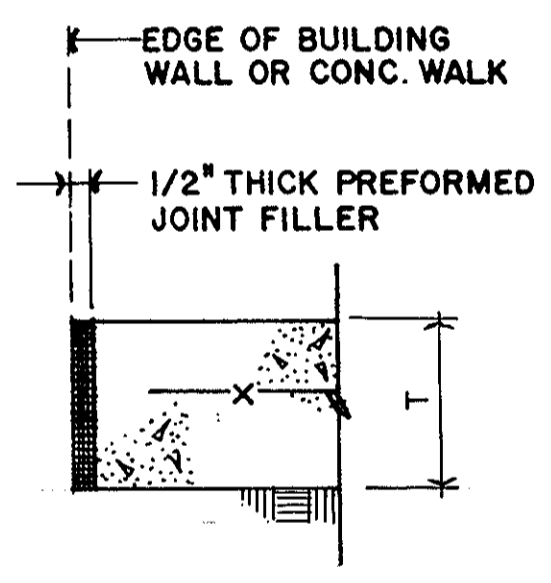
NOTE:
CONTROL JOINTS SHALL BE EVERY 5'-0" O.C. WHILE
ISOLATION JOINTS SHALL BE EVERY 20'-0" O.C.



TOOLED EDGE



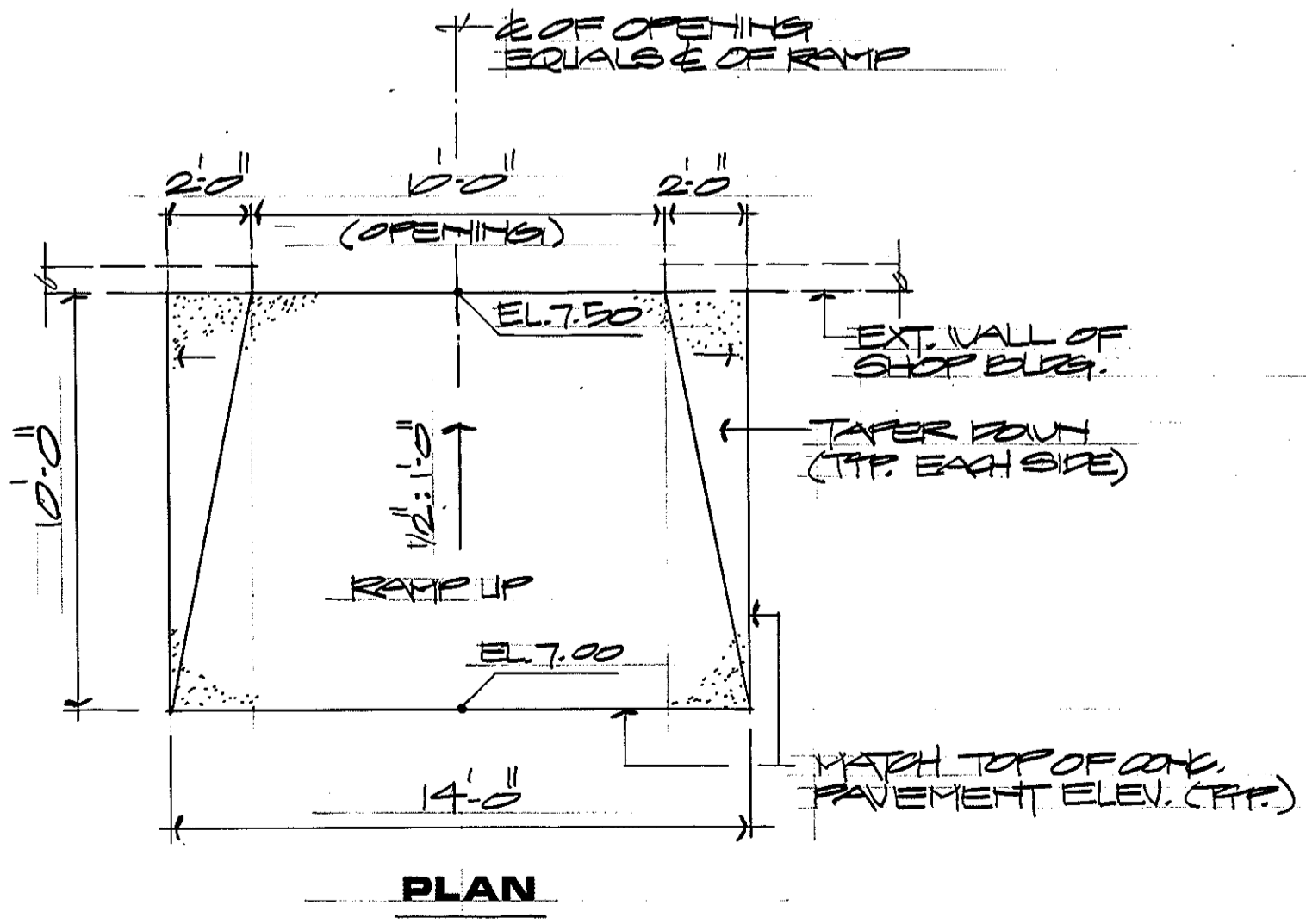
CONTROL JOINTS



ISOLATION JOINT

CONCRETE SIDEWALK DETAILS

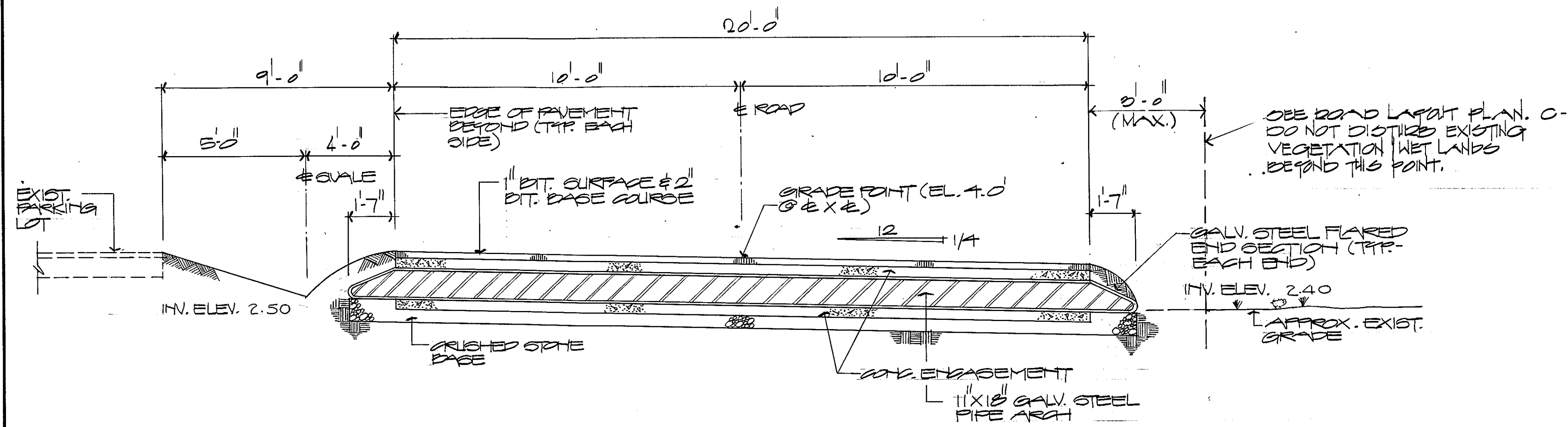
N.T.S.



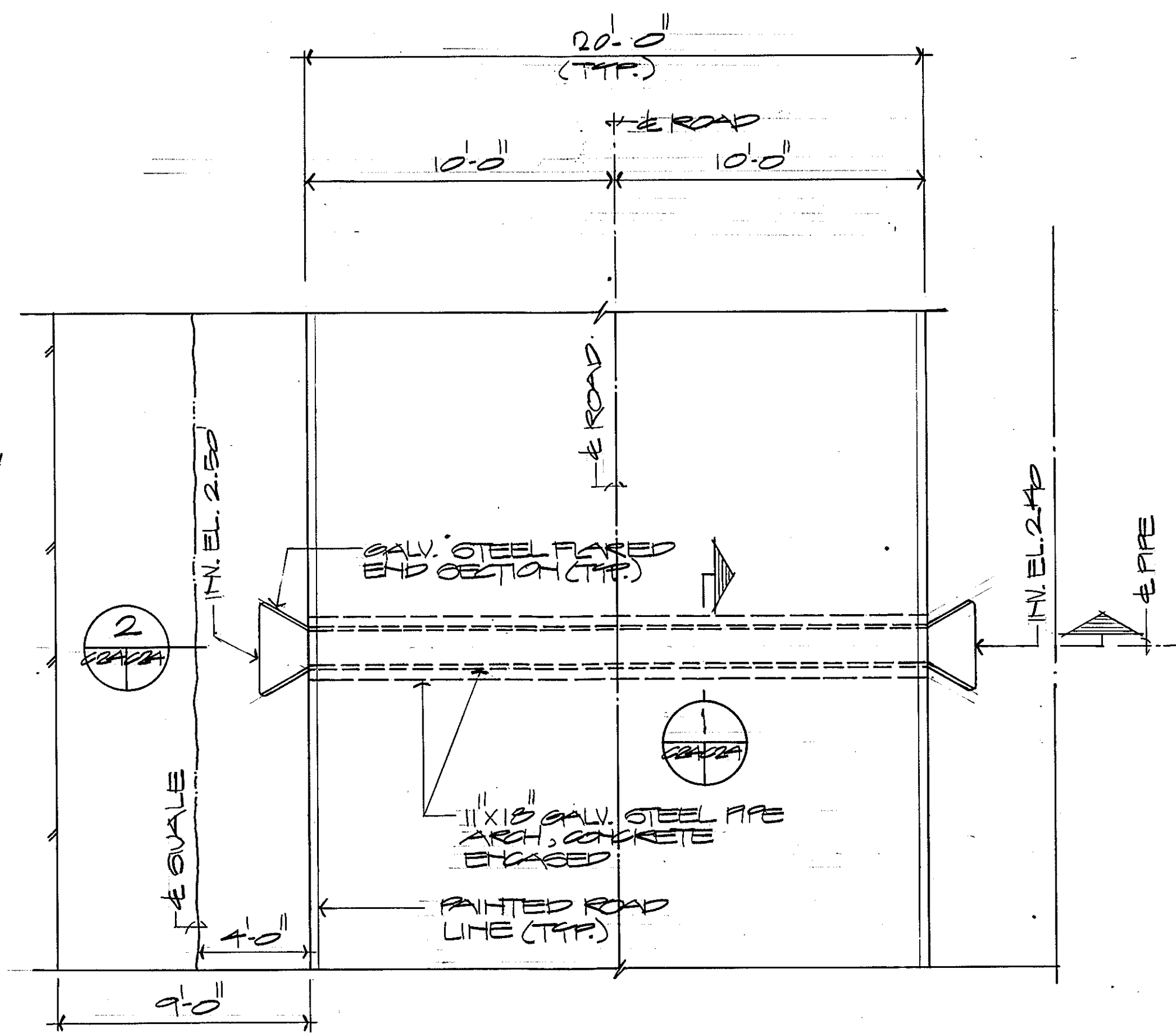
CONCRETE RAMP AT SHOP BUILDING
N.T.S.

GRAPHIC SCALES

REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:	C.L.		U.S. COAST GUARD NORFOLK, VA 23513	
DRAWN:			FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED:			CIVIL ENGINEERING	
CHECKED:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
REVIEWED BY:			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			PAVING SECTION & DETAILS	
REVIEWED BY:			APPROVED:	
			<i>[Signature]</i>	
			3-22-90	
			DATE	C-23
			DRAWING NUMBER	
			05-01-87	
			SCALE: NOTED	SHEET 20 OF 27

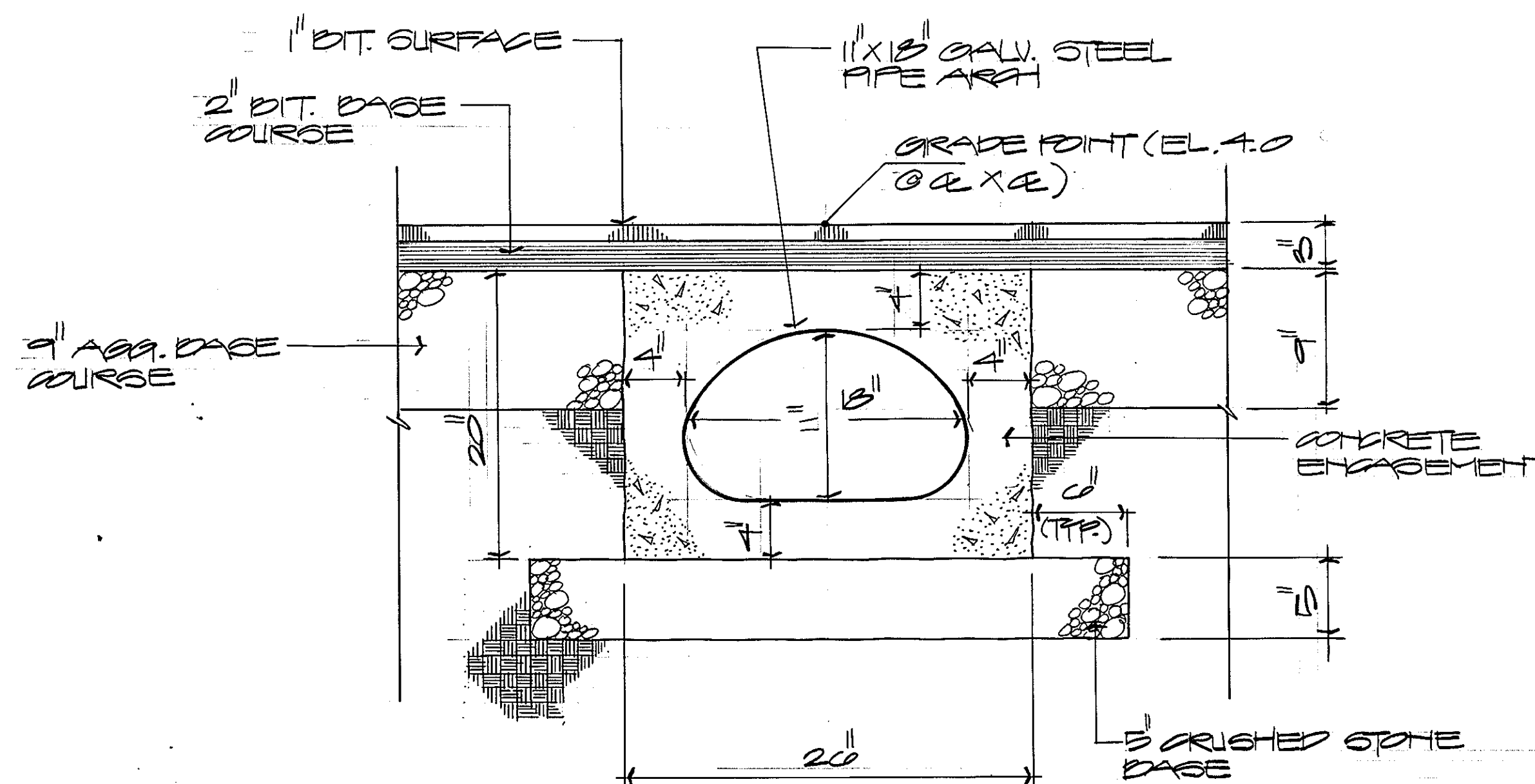


SECTION 2
N.T.S.



PLAN - TYP. DRAIN PIPE AT ROADWAY DETAIL

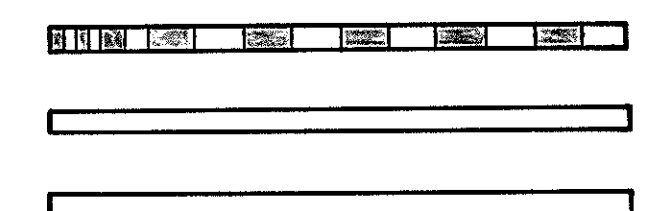
SCALE: 1/4" = 1'-0"



SECTION 5
N.T.S.

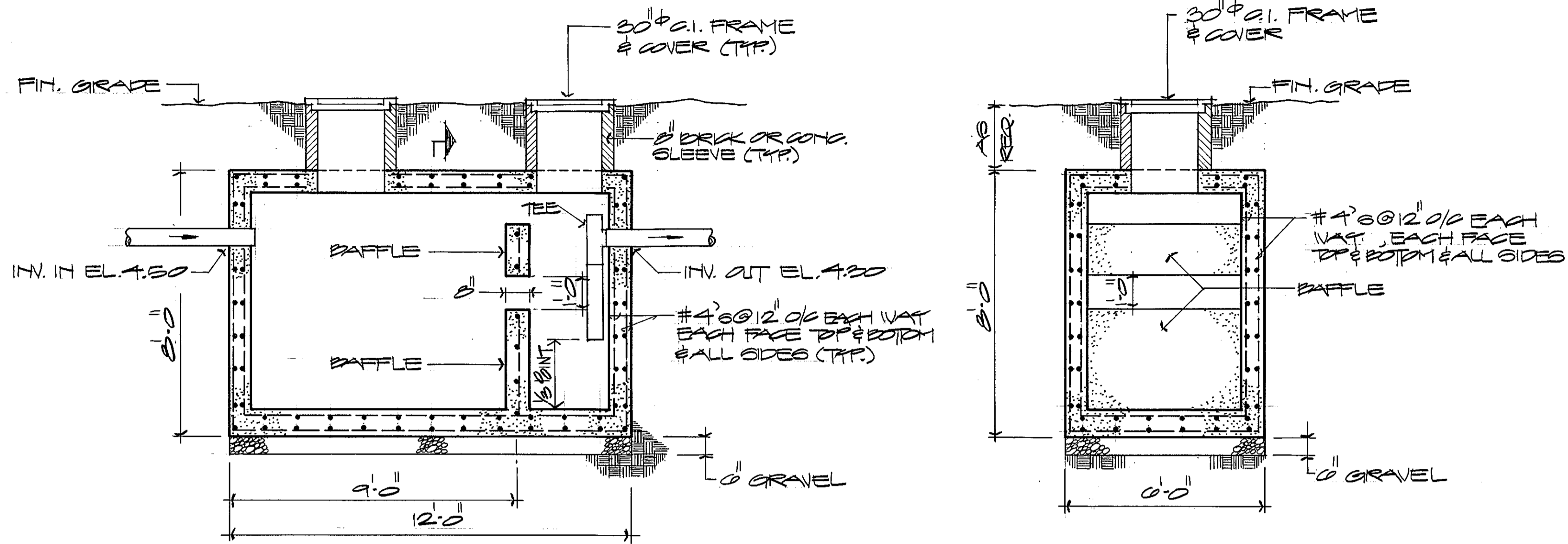
GRAPHIC SCALES

1/4" = 1'-0"



REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:	CL		U.S. COAST GUARD NORFOLK, VA 23510	
DRAWN:	2/24/87		FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED:			CIVIL ENGINEERING	
CHECKED:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			DRAINAGE DETAILS	
REVIEWED BY:			APPROVED: <i>M. J. Jensen</i> 3.22.90	C-24
			CHIEF OF DIVISION DATE	
			DRAWING NUMBER	
			05-01-87	
			SCALE: NOTED	SHEET 27 OF 97

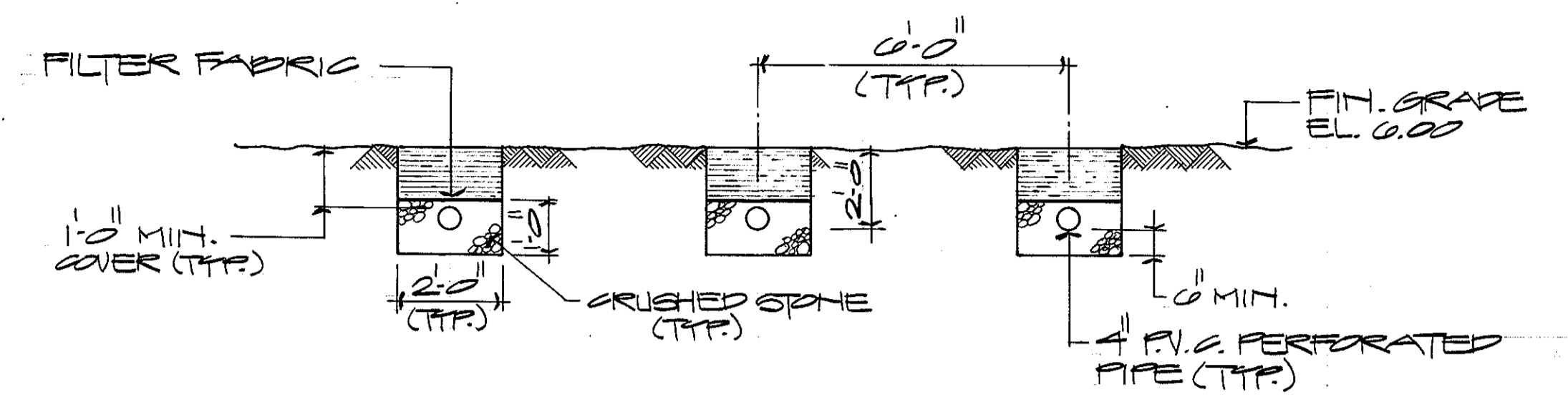
NOTE:
SEPTIC TANK SHALL CONFORM
TO N.C. 2700



3,000 GALLON SEPTIC TANK DETAIL

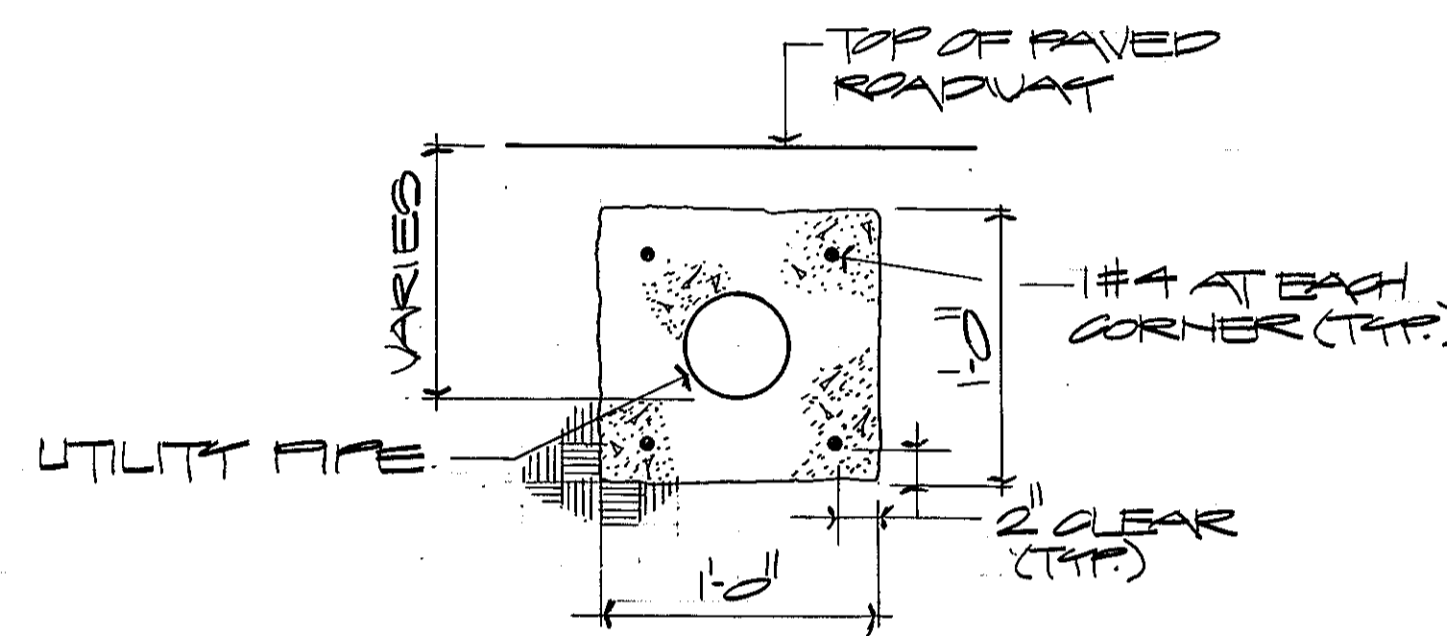
2
22/227

NOT TO SCALE



DISTRIBUTION FIELD/TRENCH SECTION

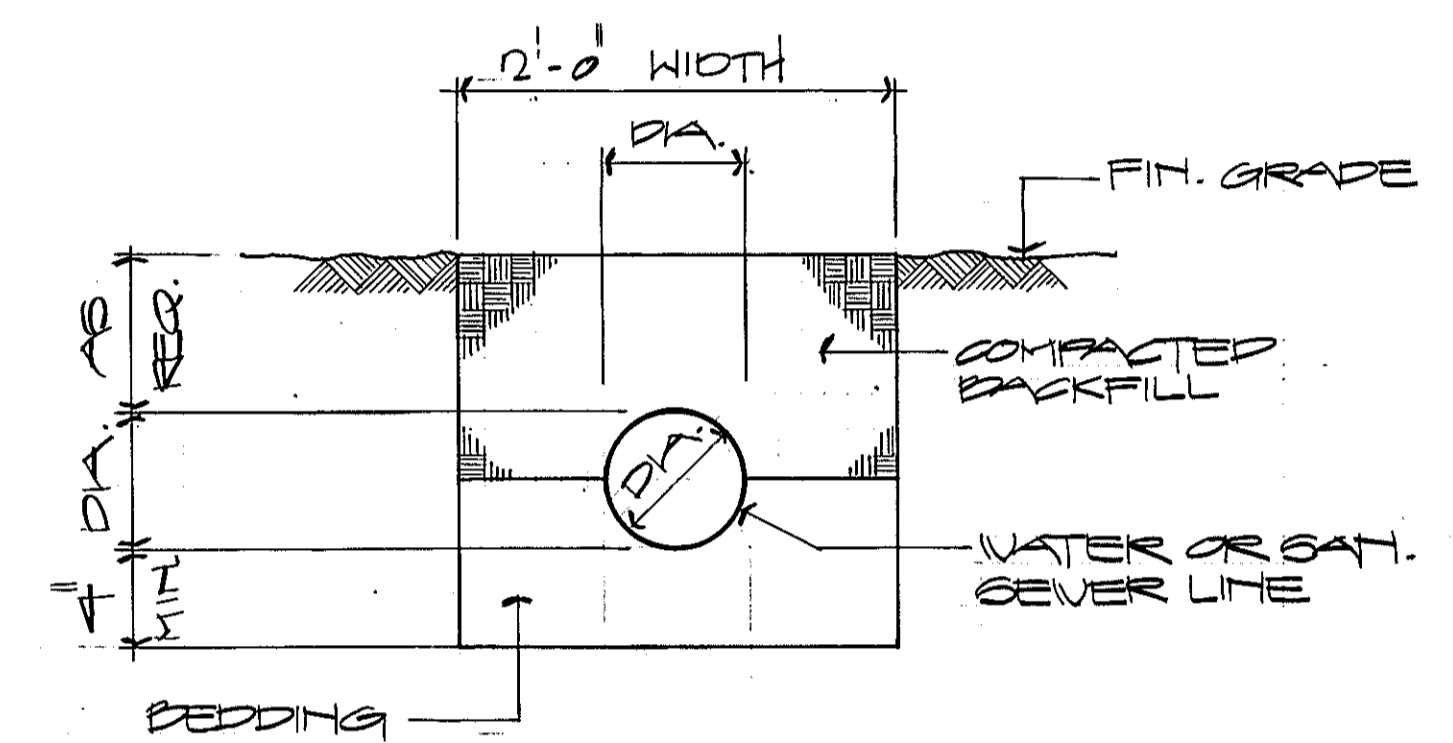
2/2 = 1'-0"



CONC. ENCASED UTILITY LINE

3
22/227

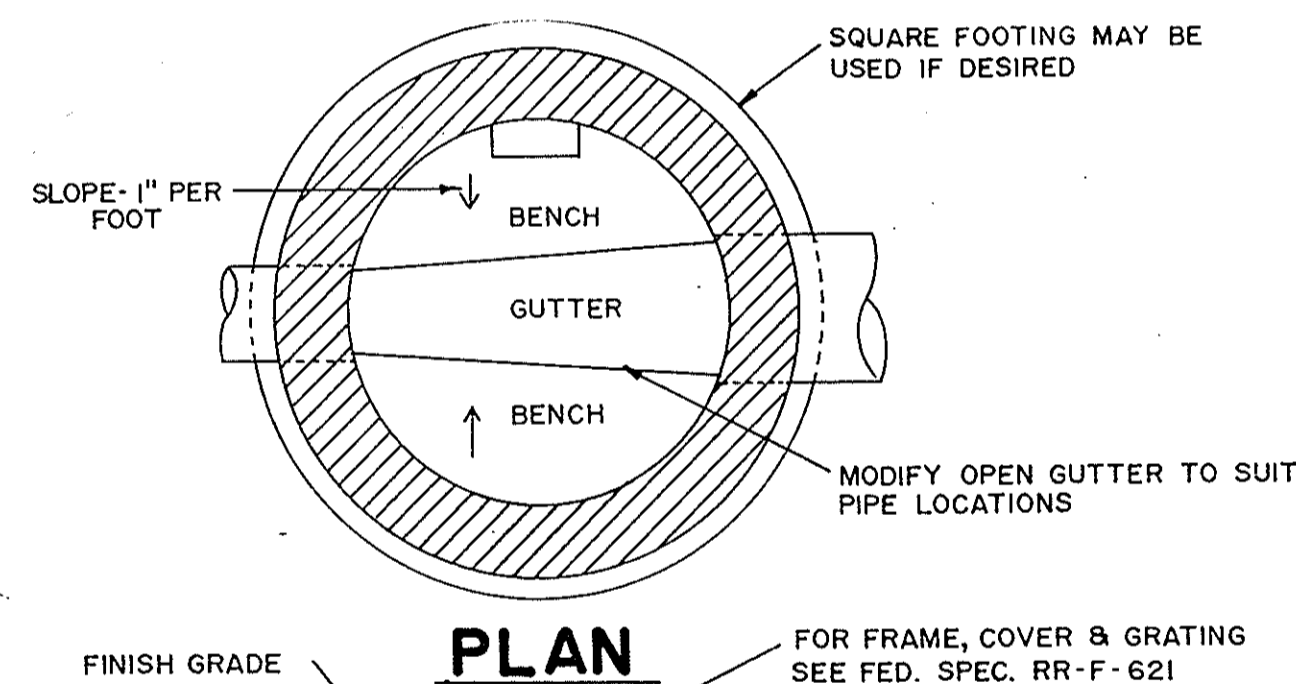
NOT TO SCALE



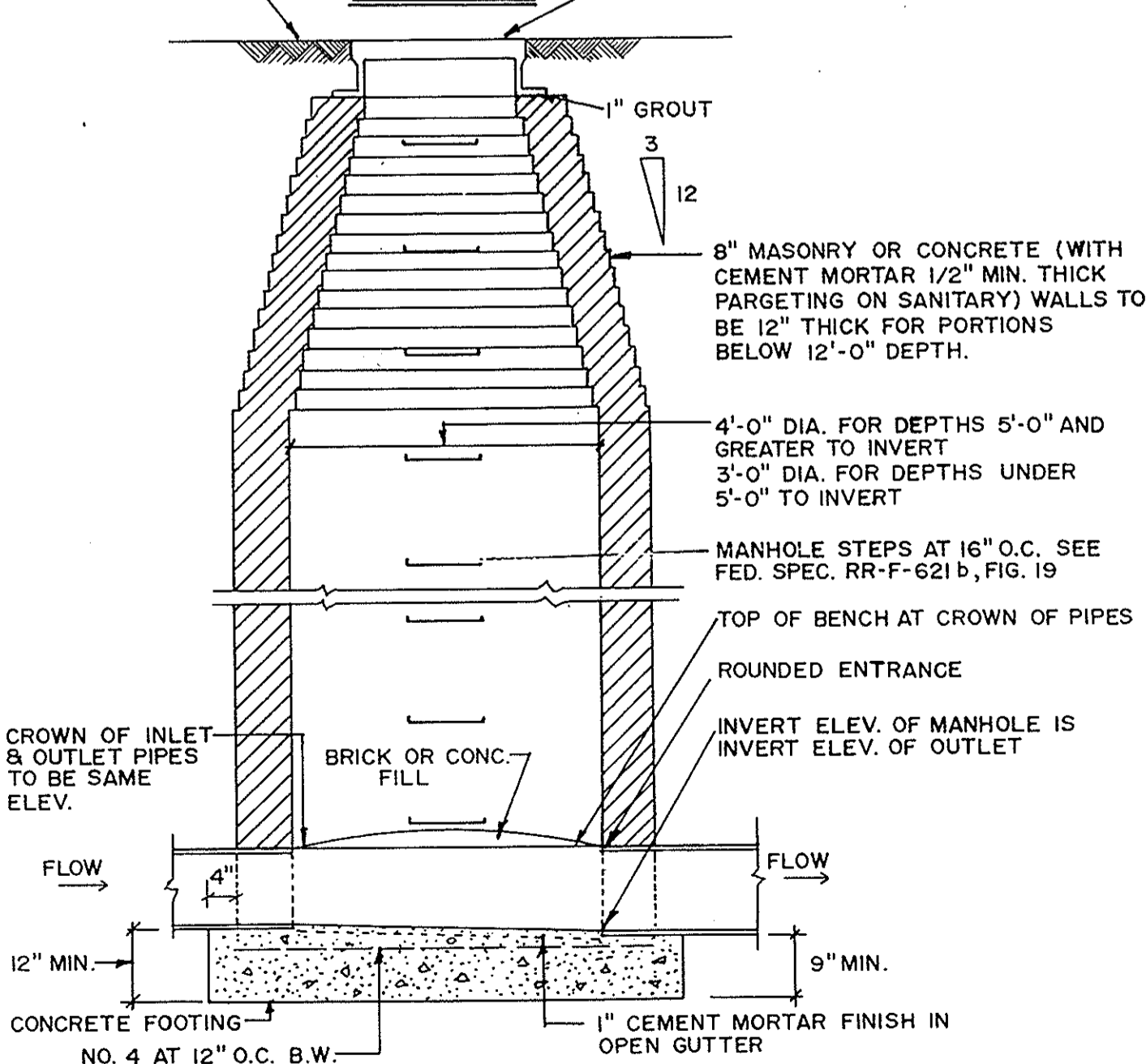
TYPICAL UTILITY TRENCH DETAIL

4
22/227

NOT TO SCALE



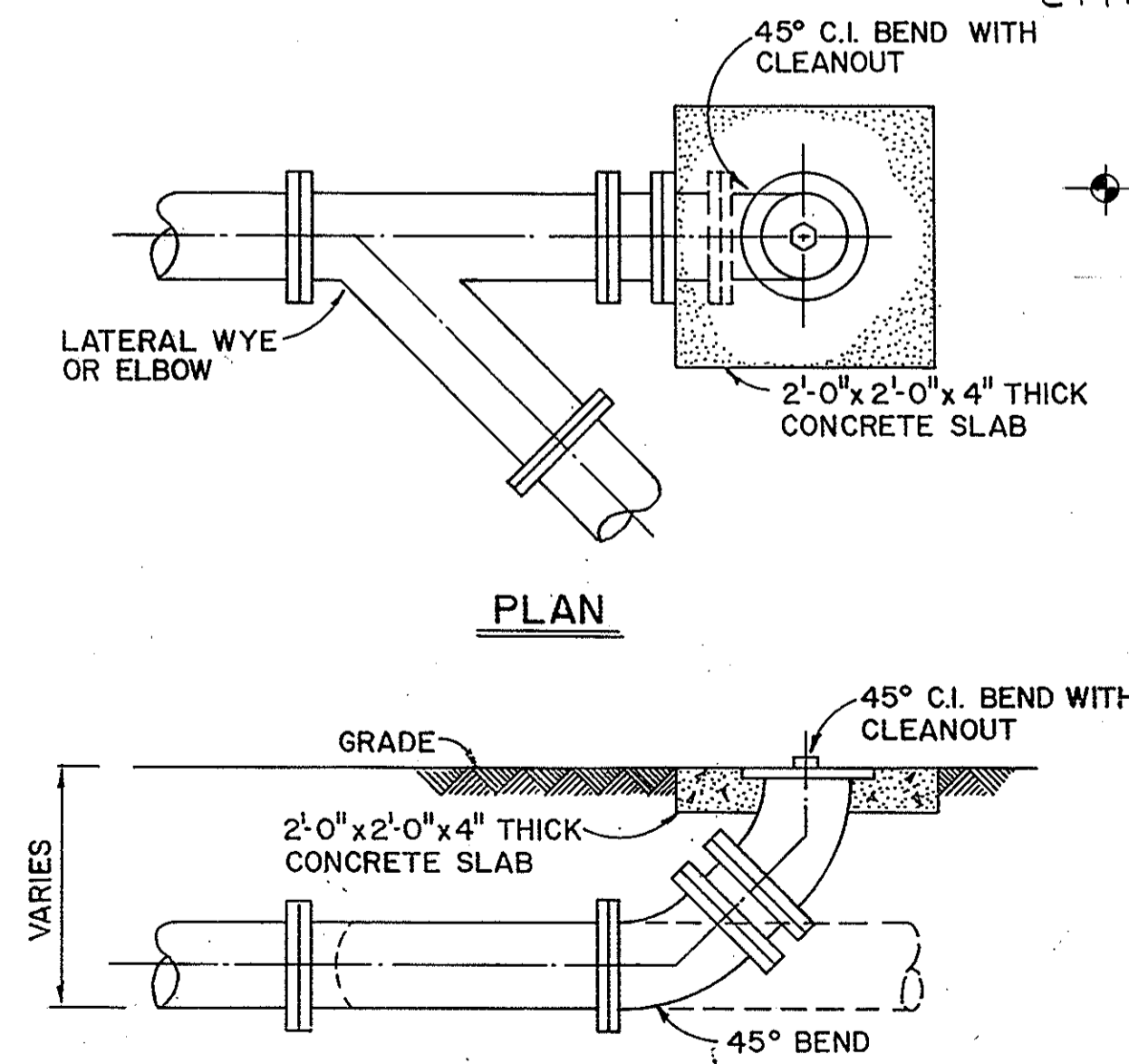
PLAN



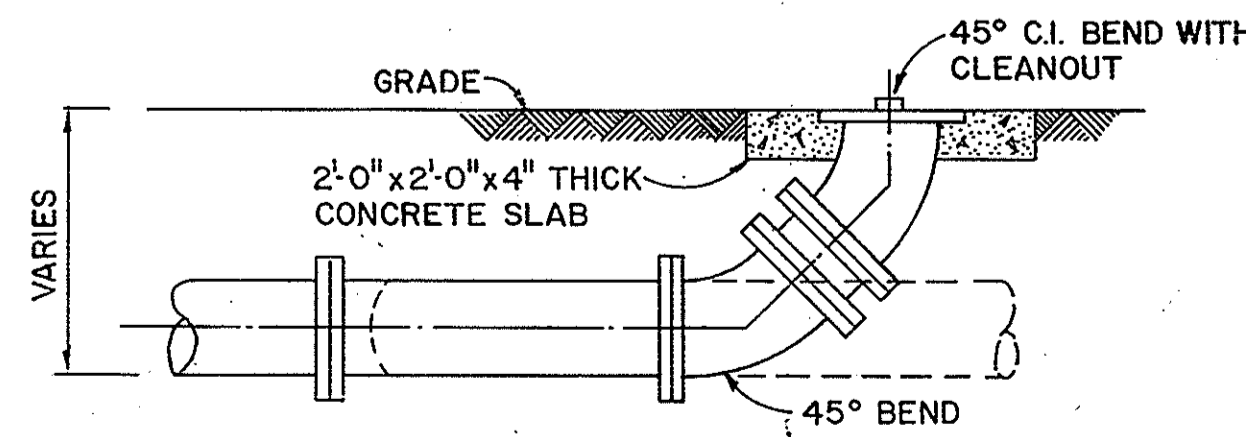
SECTION

SAN. SEWER MANHOLE DETAIL

NOT TO SCALE



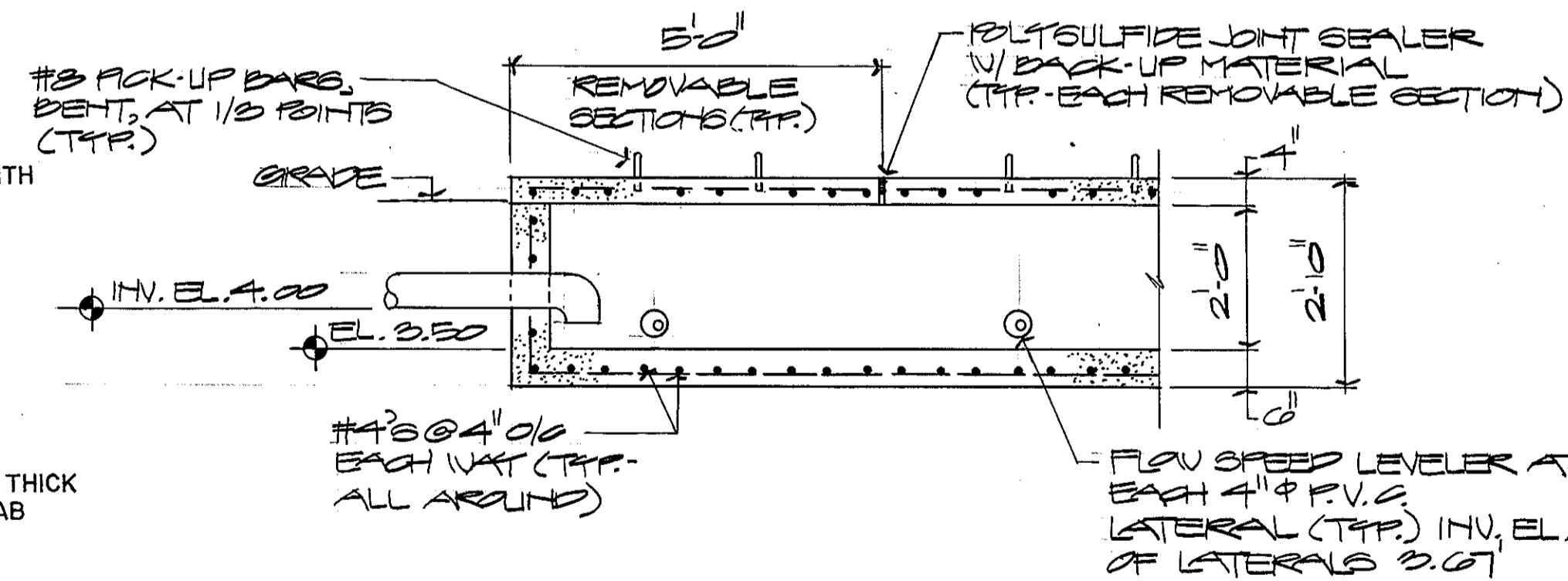
PLAN



SECTION

TYPICAL CLEANOUT DETAIL

NOT TO SCALE

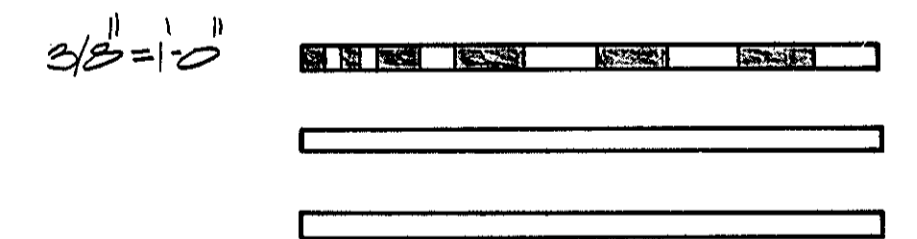


CONCRETE TROUGH DETAIL

1
22/227

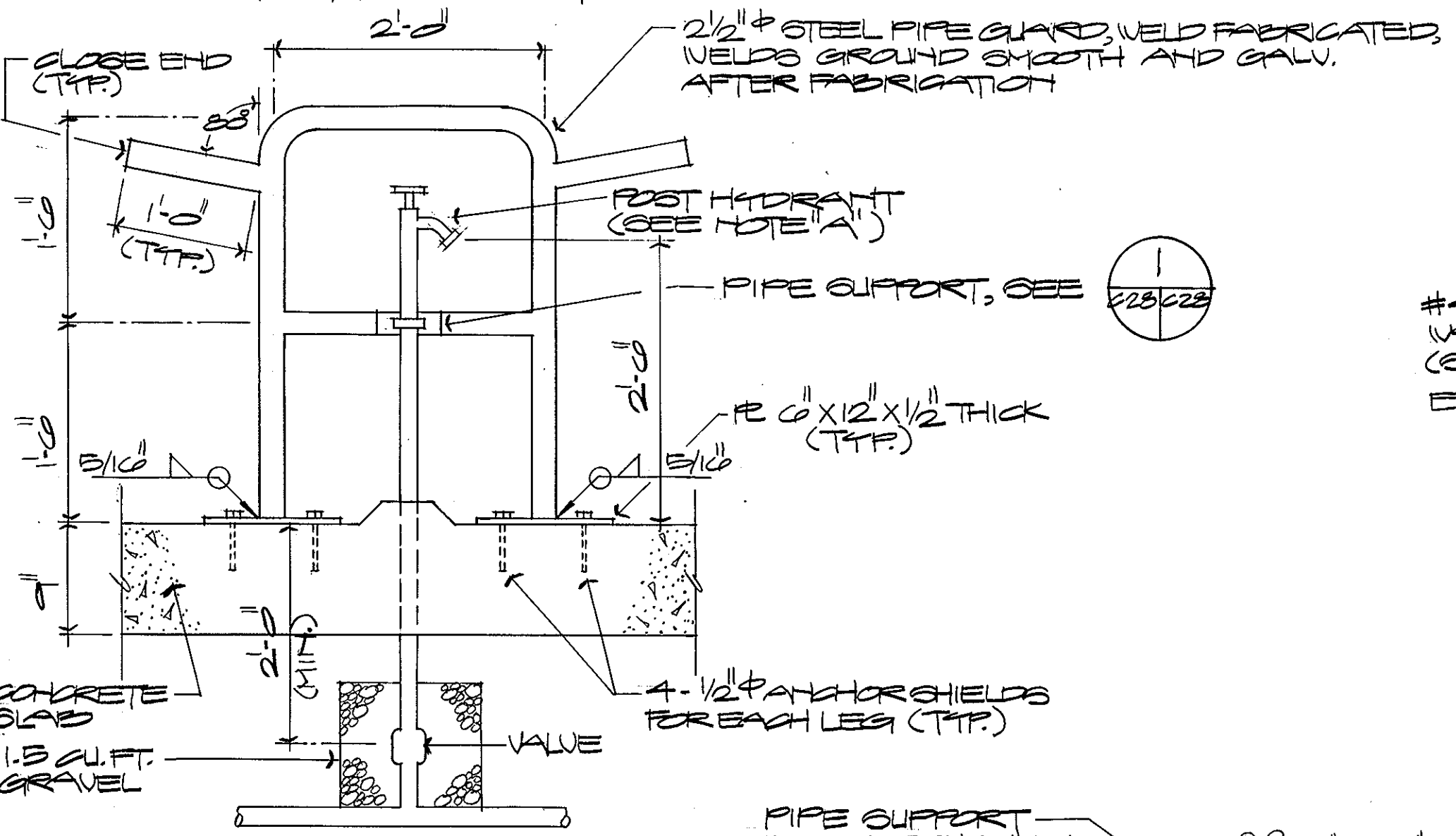
NOT TO SCALE

GRAPHIC SCALES

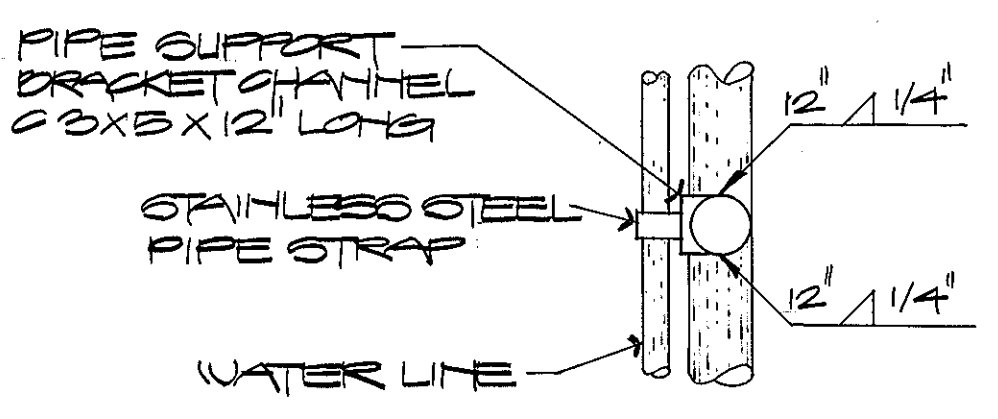


REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED BY:	CL		U.S. COAST GUARD NORFOLK, VA 23510	
DRAWN BY:	TRACED		FACILITIES DESIGN & CONSTRUCTION CENTER	
CHECKED BY:			CIVIL ENGINEERING	
REVIEWED BY:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
REVIEWED BY:			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			UTILITY & SEPTIC TANK DETAILS	
REVIEWED BY:			APPROVED: <i>M.W. Jones</i>	3.22.90
			CHIEF OF DIVISION	DATE
			DRAWING NUMBER	C-27
			05-01-87	
			SCALE: NOTED	SHEET 20 OF 27

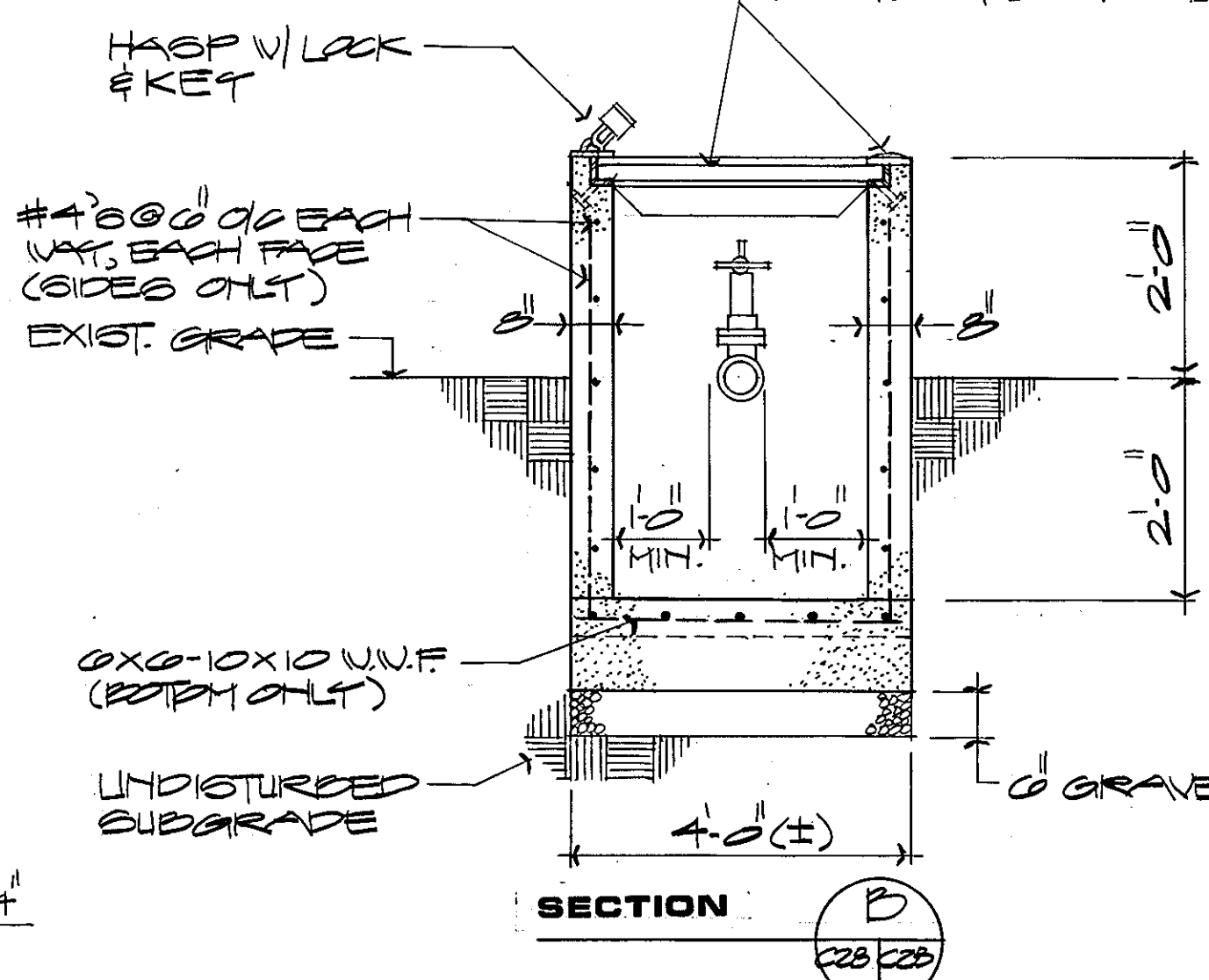
NOTE "A"
 FOST HYDRANT SHALL BE NON-FREEZE TYPE WITH BUILT-IN
 INTERNAL BACK FLOW PREVENTER AND VACUUM BREAKER
 DEVICE WITH 2 1/2" CONNECTION.



WATER SHORE-TIE
 NOT TO SCALE

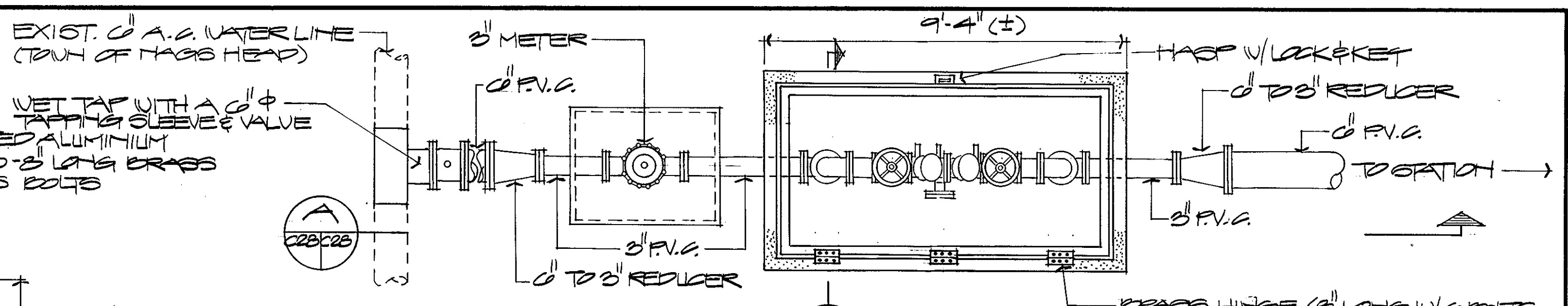


PIPE SUPPORT
 NOT TO SCALE



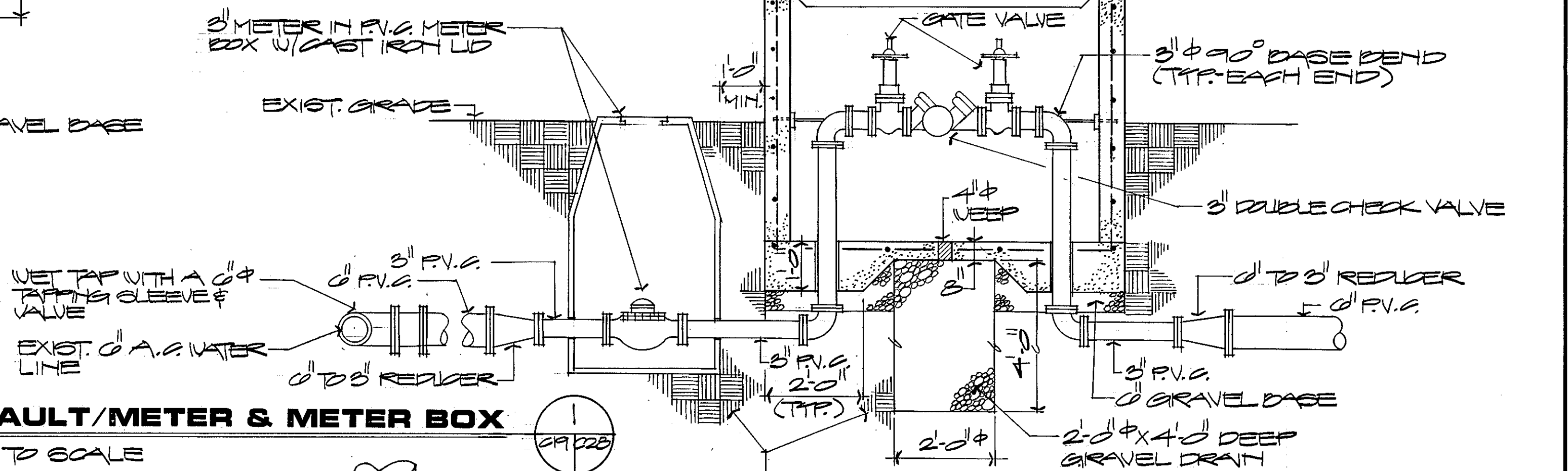
SECTION
 228/229

DOUBLE CHECK VALVE VAULT/METER & METER BOX
 NOT TO SCALE

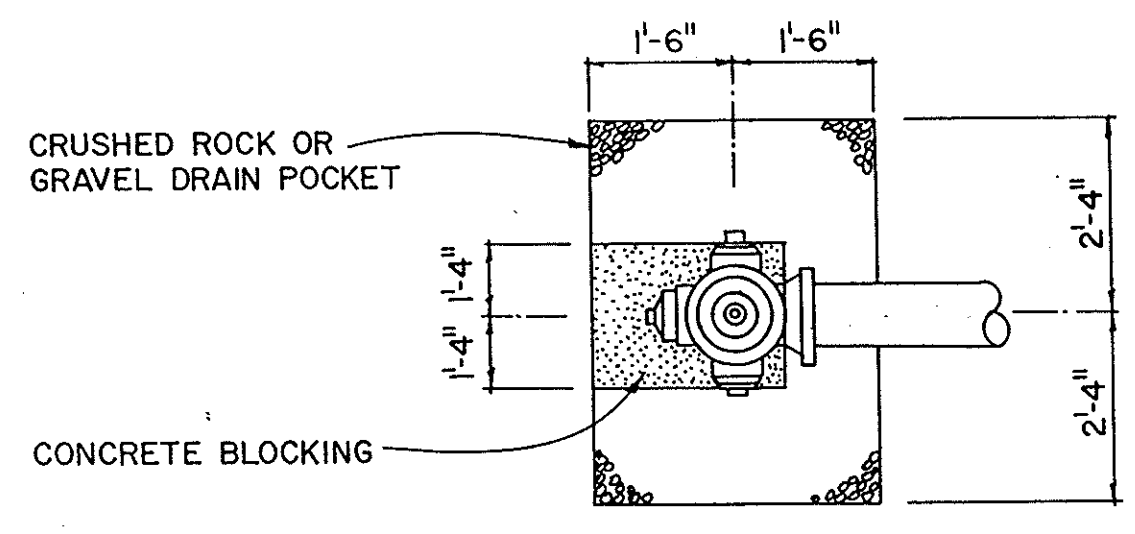


PLAN
 228/229

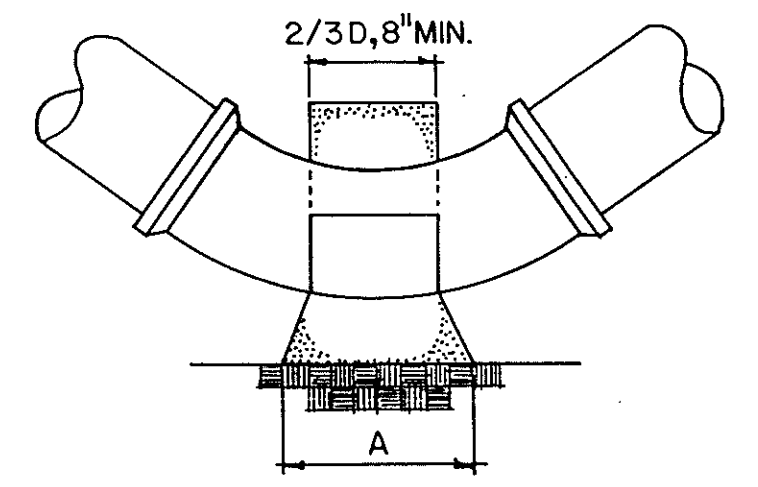
NOTE:
 1. PROVIDE 1'-0" MIN. CLEAR ALL AROUND
 EQUIPMENT FOR FINAL VAULT.
 2. ALL WATER LINES & METER EQUIPMENT
 SHALL BE CONTRACTOR FURNISHED.



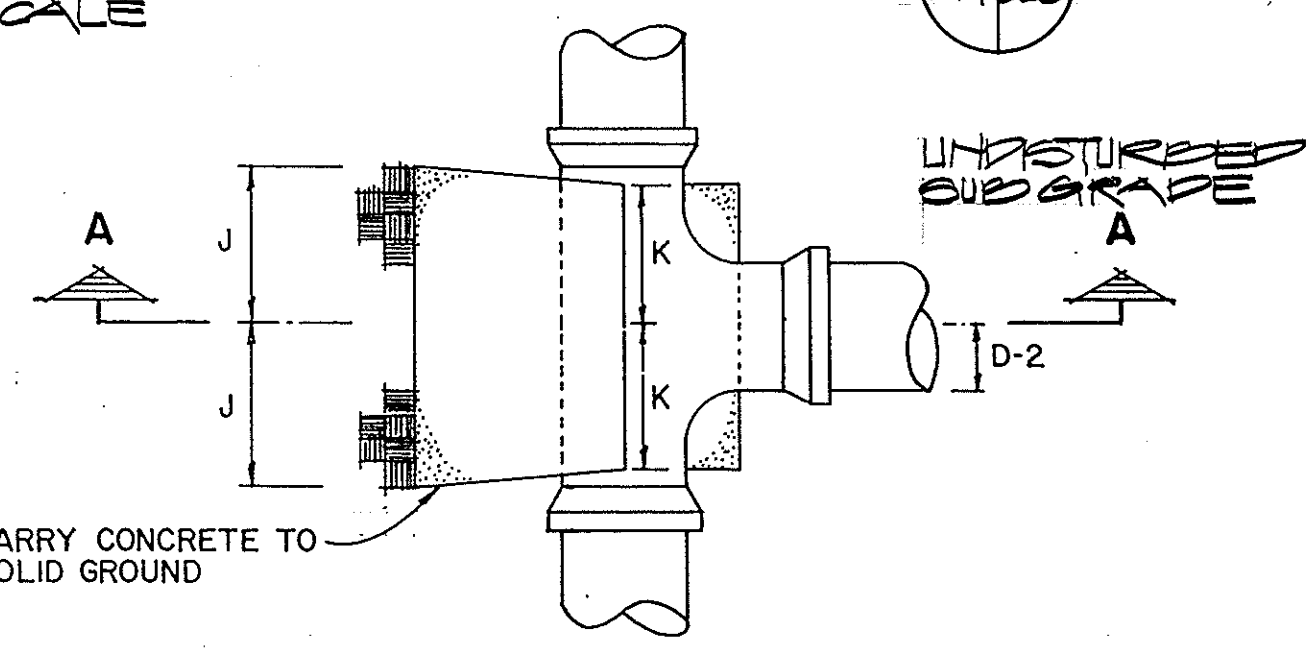
SECTION
 228/229



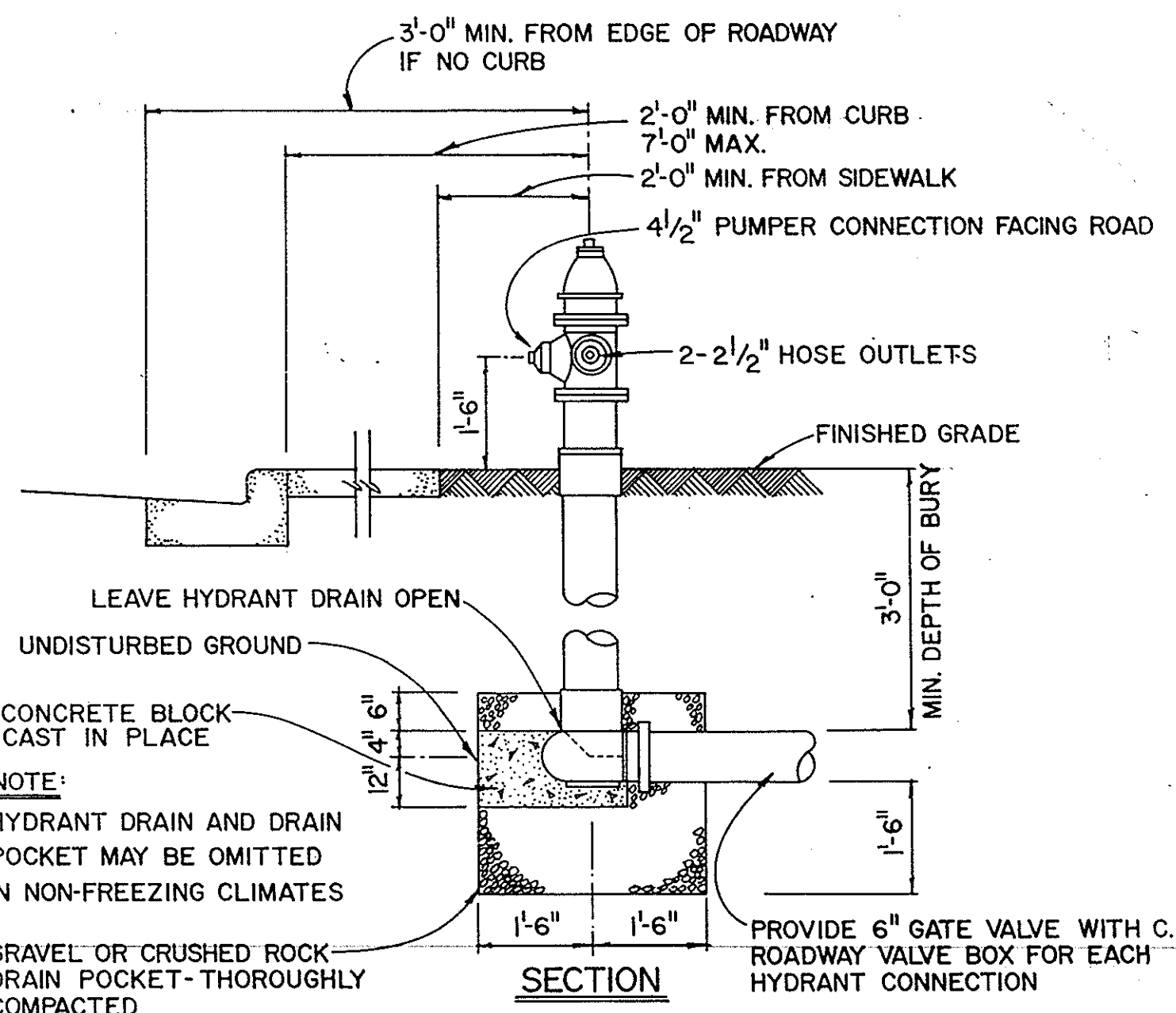
PLAN



PLAN



PLAN

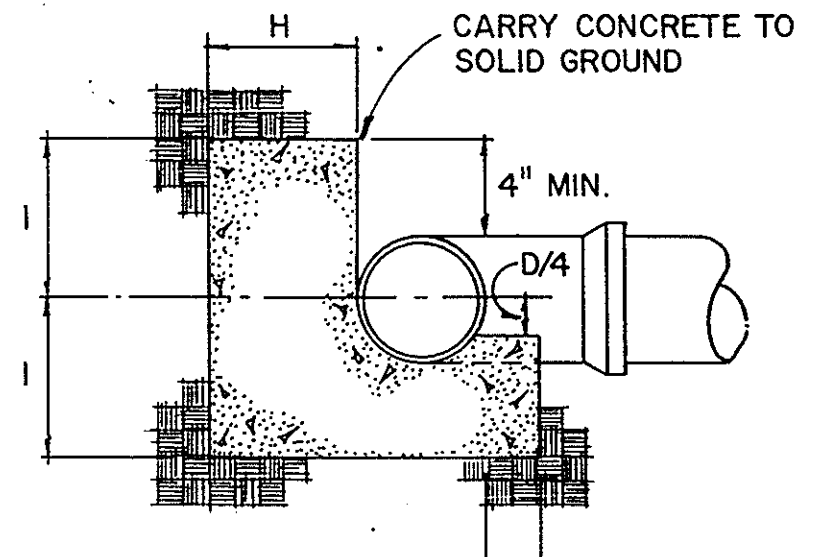


SECTION

FIRE HYDRANT INSTALLATION
 NOT TO SCALE

BUTTRISS FOR HORIZONTAL BENDS
 NOT TO SCALE

BUTTRISS FOR HORIZONTAL BENDS						
BEND	D	6"	8"	10"	12"	16"
1/32	A	6"	8"	10"	11"	1'-4"
	B	7"	8"	9"	10"	1'-0"
	C	7"	7"	8"	8"	9"
1/16	A	9"	1'-0"	1'-4"	1'-9"	2'-3"
	B	7"	8"	9"	10"	1'-0"
	C	8"	9"	10"	11"	1'-2"
1/8	A	1'-3"	1'-8"	2'-1"	2'-6"	3'-4"
	B	7"	8"	9"	11"	1'-3"
	C	8"	9"	10"	11"	1'-2"
1/4	A	2'-0"	2'-0"	3'-0"	3'-6"	5'-0"
	B	6"	9"	1'-0"	1'-3"	1'-6"
	C	1'-10"	1'-9"	1'-8"	1'-7"	1'-5"

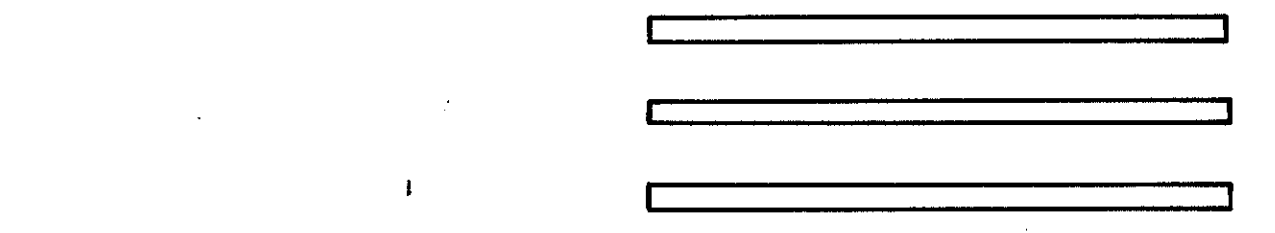


SECTION A-A

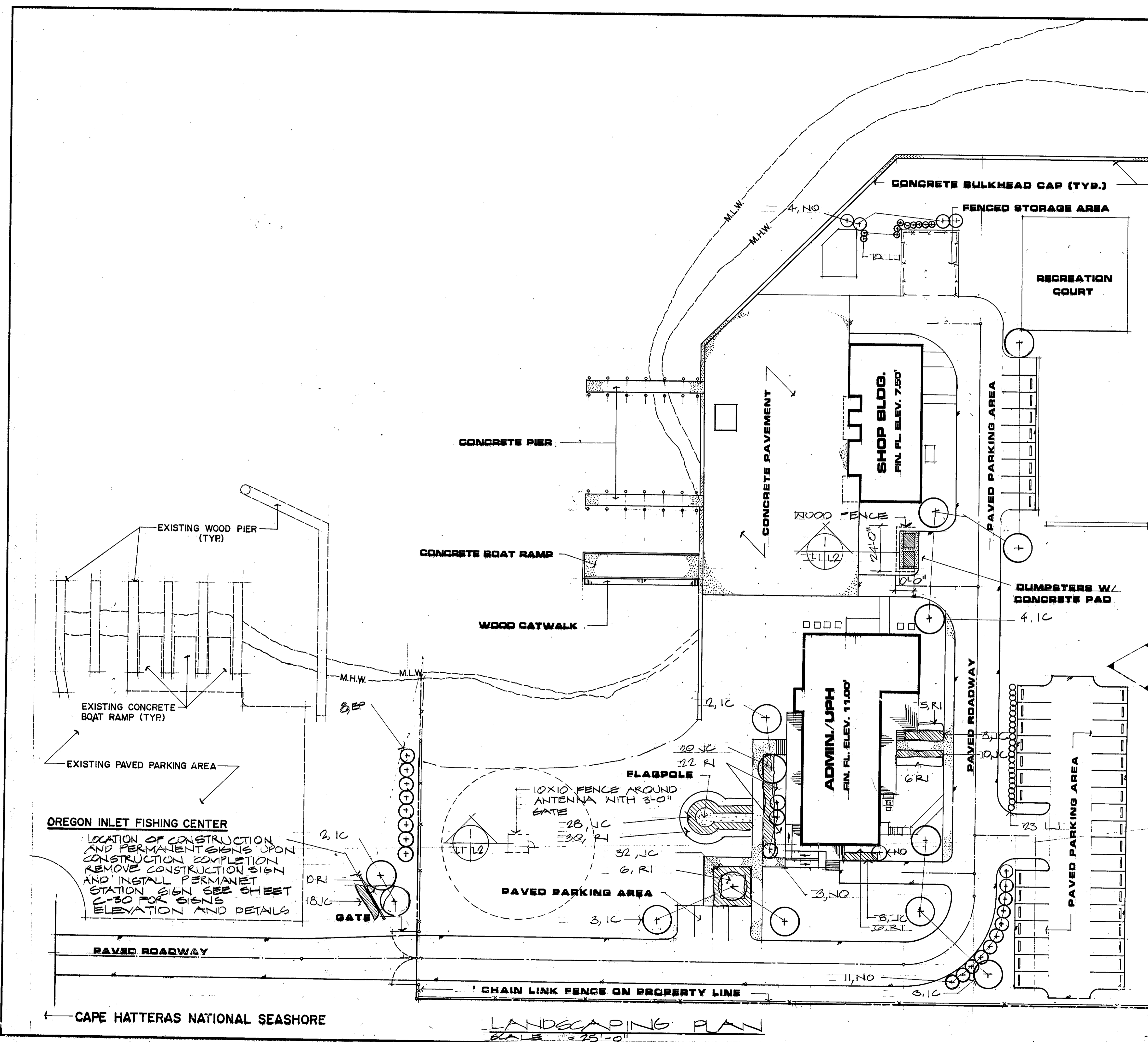
BUTTRISS FOR TEES
 NOT TO SCALE

BUTTRISS FOR TEES						
SIZE OF BRANCH						
D	6"	8"	10"	12"	16"	20"
H	8"	9"	10"	1'-0"	1'-2"	1'-4"
I	8"	10"	1'-0"	1'-3"	1'-8"	2'-1"
J	7"	9"	1'-0"	1'-2"	1'-6"	1'-11"
K	6"	8"	8"	8"	10"	1'-2"

GRAPHIC SCALES



REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED BY:	C.L.		U.S. COAST GUARD FACILITIES DESIGN & CONSTRUCTION CENTER	NORFOLK, VA 23510
DRAWN BY:	ST-NECH		CIVIL ENGINEERING	
CHECKED BY:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
DESIGNED BY:			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			UTILITY & WATER LINE	
REVIEWED BY:			DETAILS	
APPROVED:			<i>m.w. [Signature]</i>	3-22-93
			CHIEF OF DIVISION	DATE
			DRAWING NUMBER	C-28
			SCALE: NOTED	SHEET 31 OF 97

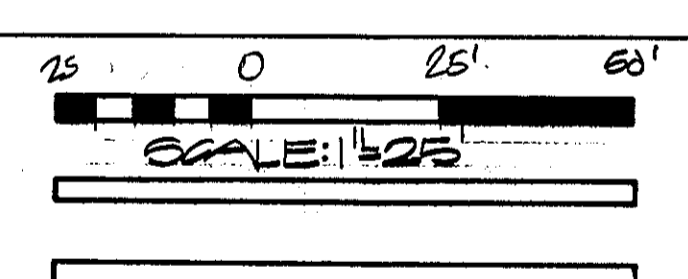


PLANT SCHEDULE

ABB	QTY.	BOTANICAL NAME	COMMON NAME	SIZE & SPAC
EP	8	ELAEGUS PUNGENS FRUITLANDI	FRUITLAND ELAEGUS	24 TO 30' # SPR. 8'-0"
IC	14	ILEX CASSINE	CASSINE HOLLY	TREE FROM MULTI-STEM MIN. 3 STEMS 6'-8" HT
L	33	LIGUSTRUM JAPONICUM	WAX LIEF PRIVET	24 TO 30' HT. # SPR 4'-0"
IC	125	JUNIPERUS CONFERTA BLUE PACIFIC	BLUE PACIFIC SHORE JUNIPER	12 TO 15" HT & SPR 30" OC
NO	19	NERJUM OLEADER	OLEADER (PARK PINK)	3 TO 4' HT, SPR 3'-0"
F	87	RAPHIOLEPIS INDICA	INDIAN HANTHORN	18 TO 24" HT SPR 3' OC

NOTE: SEE SHEET L2 FOR PLANTING DETAILS

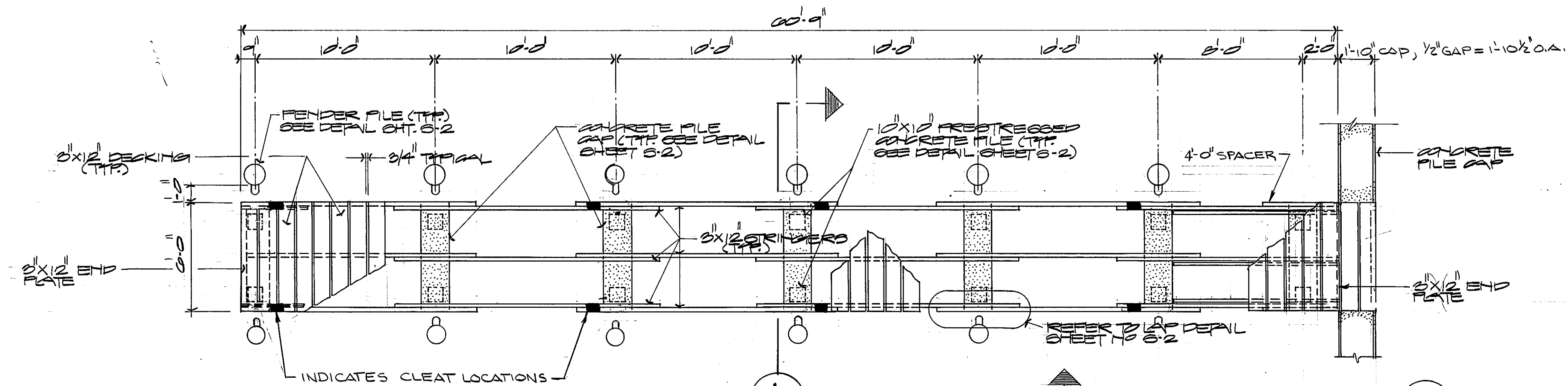
GRAPHIC SCALES



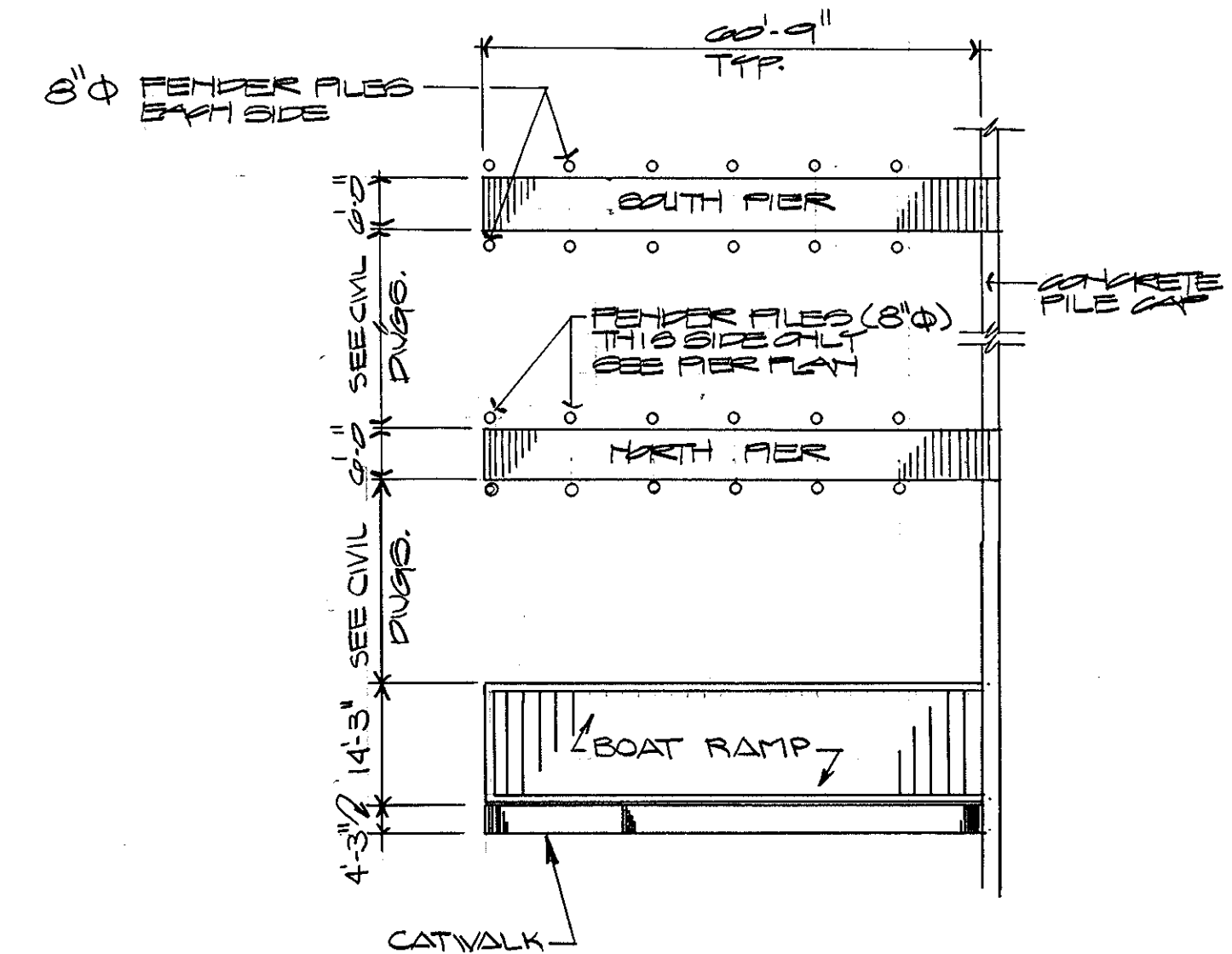
OREGON INLET FISHING CENTER
 LOCATION OF CONSTRUCTION AND PERMANENT SIGNS UPON CONSTRUCTION COMPLETION REMOVE CONSTRUCTION SIGN AND INSTALL PERMANENT STATION SIGN SEE SHEET C-30 FOR SIGNS ELEVATION AND DETAILS

LANDSCAPING PLAN
 SCALE: 1" = 25'-0"

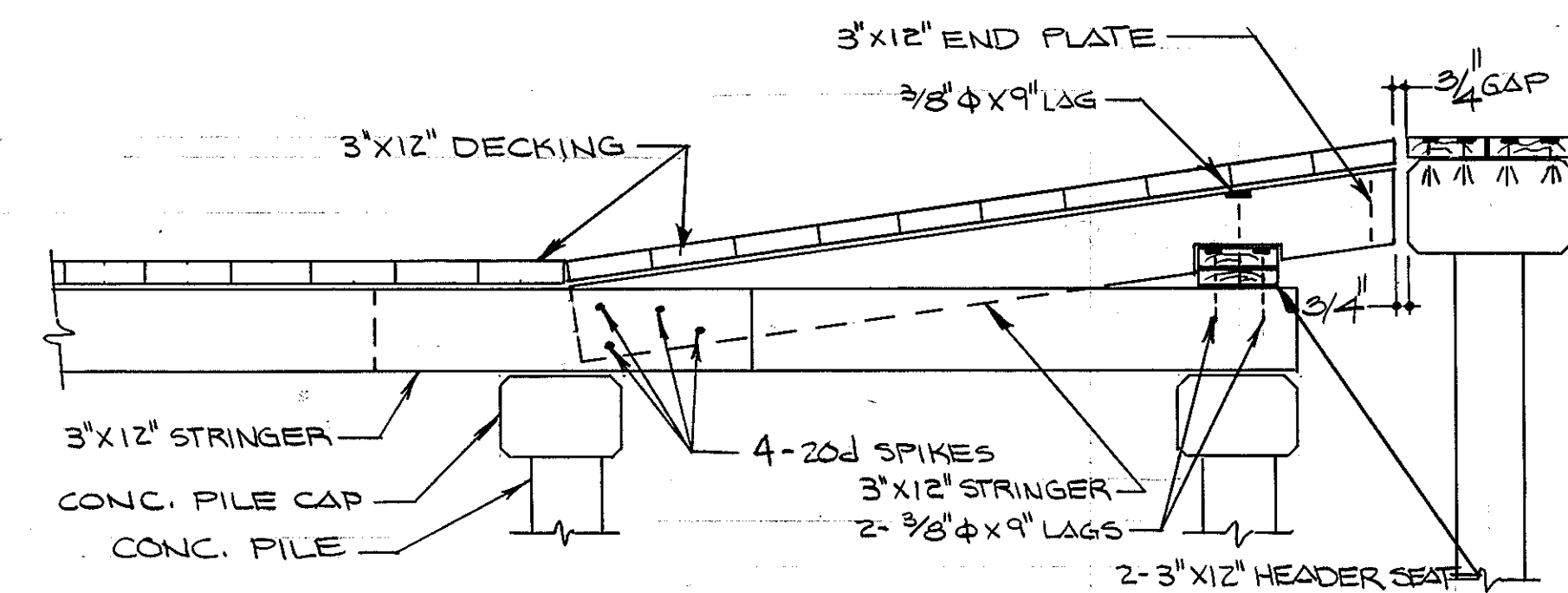
REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED BY	TRACED BY	CHECKED BY	REVIEWED BY:	
U.S. COAST GUARD FACILITIES DESIGN & CONSTRUCTION CENTER CIVIL ENGINEERING			NORFOLK, VA 23510	
MULTI-MISSION STATION OREGON INLET BODIE ISLAND, NORTH CAROLINA				
LANDSCAPING PLAN				
APPROVED: <i>[Signature]</i> CHIEF OF DIVISION			DATE: 3-22-90	L-1
DRAWING NUMBER 05-01-8T				
SCALE: noted SHEET 37 OF 97				



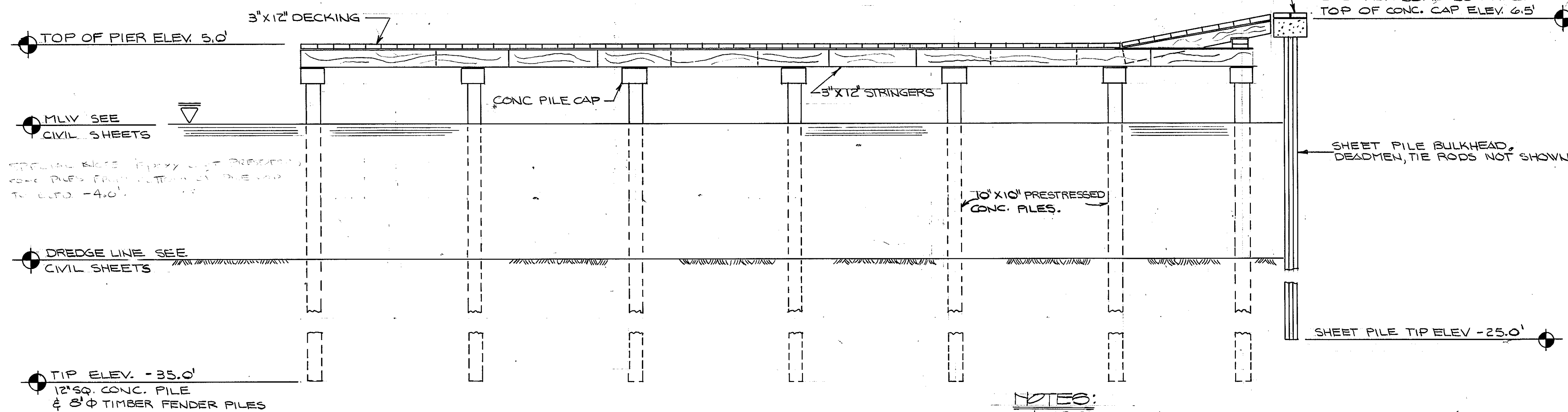
TYPICAL PIER PLAN 1/4" = 1'-0"



LAYOUT PLAN



SECTION 1/S1 1/2" = 1'-0"



TYPICAL PIER ELEVATION 1/4" = 1'-0"

(NOTE: FENDER PILES NOT SHOWN FOR CLARITY)

NOTES:

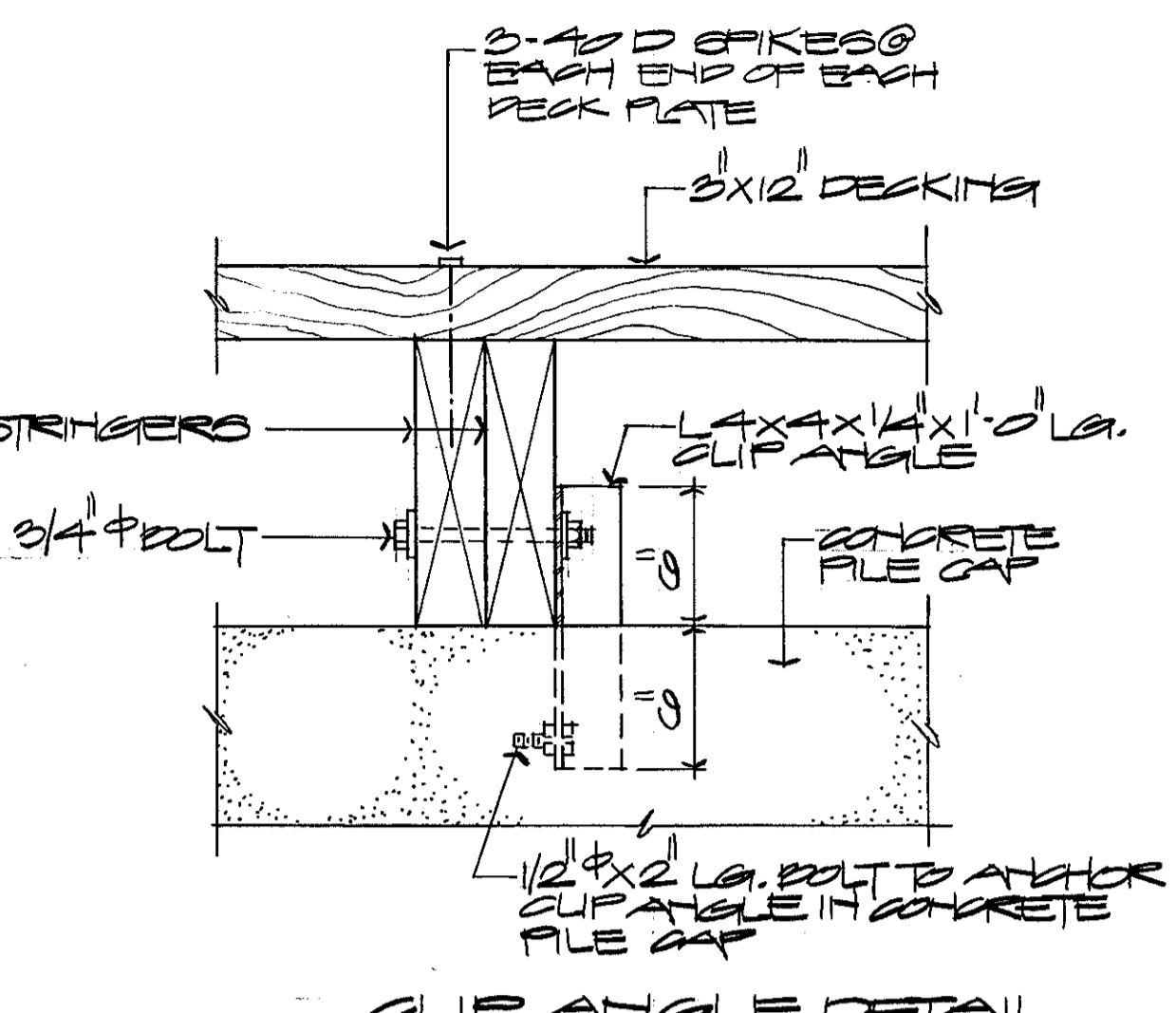
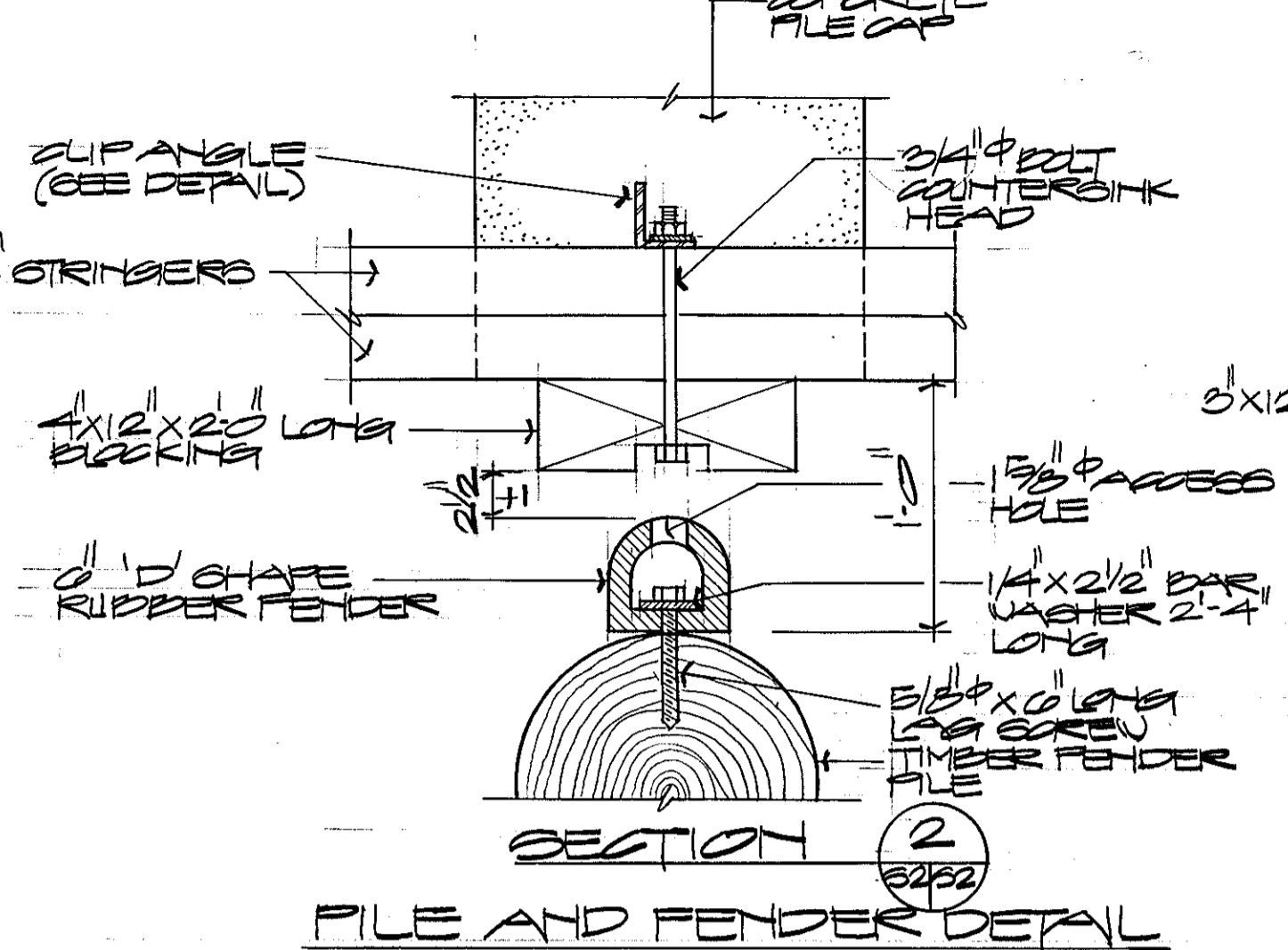
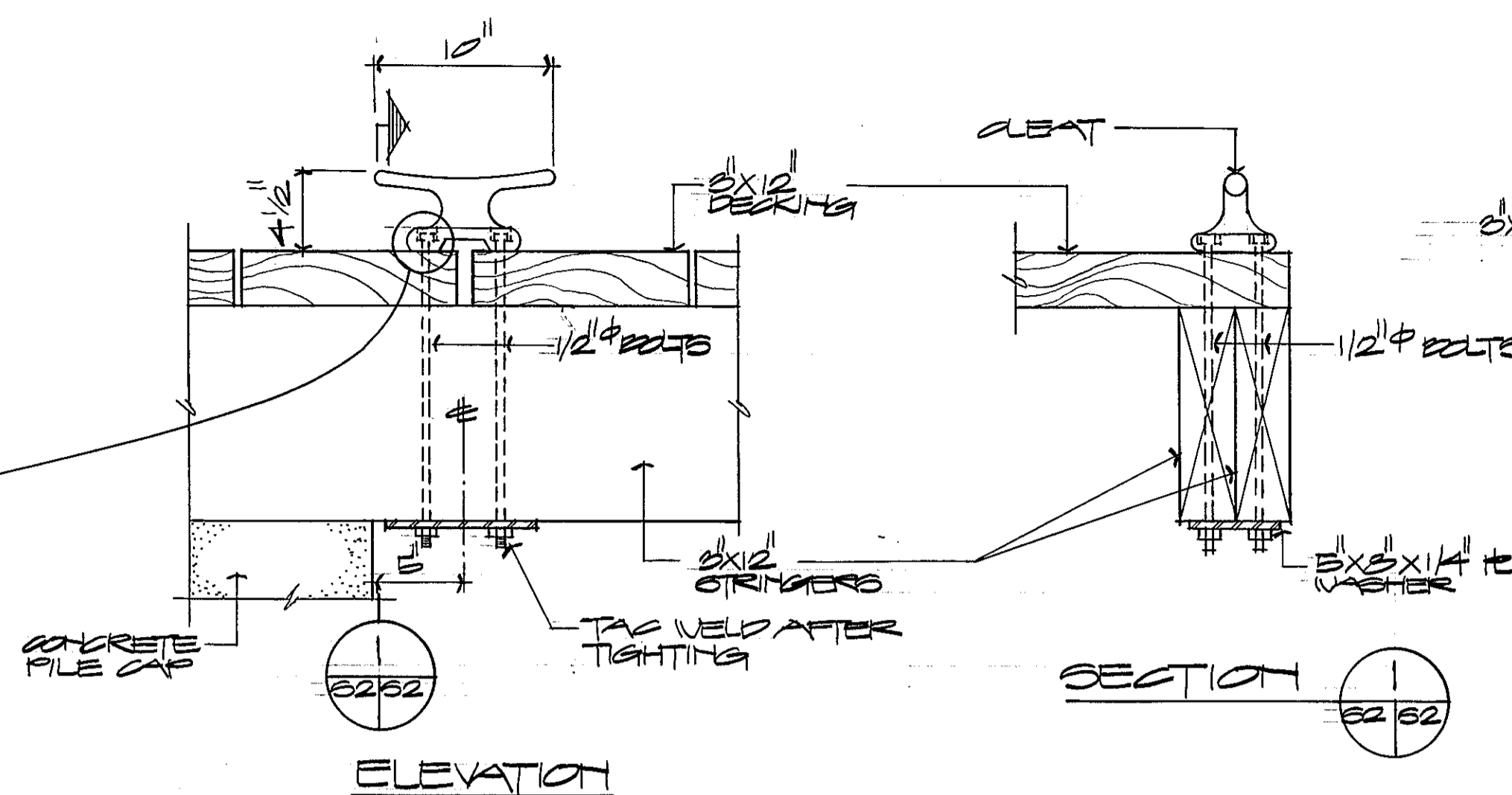
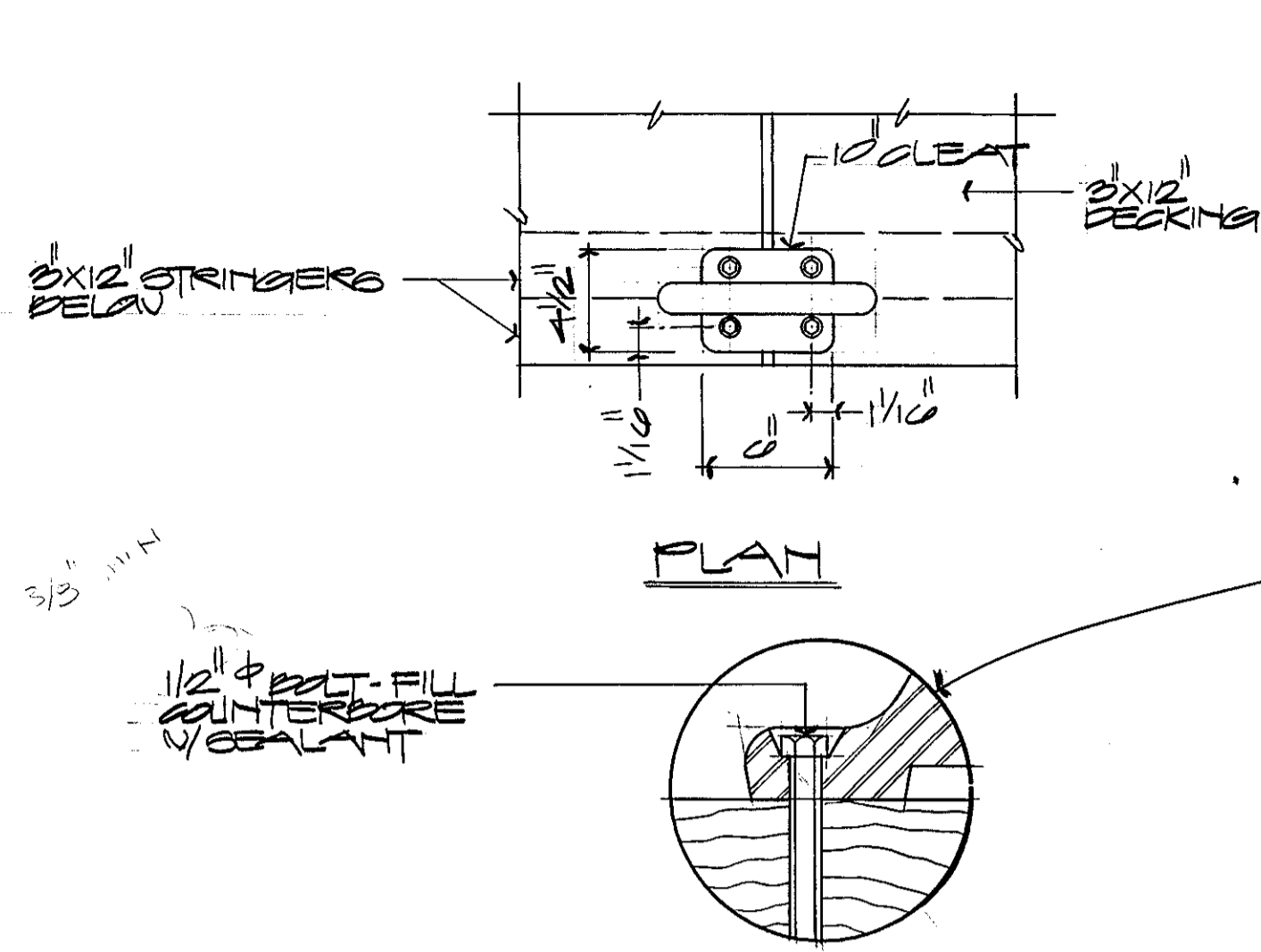
1. ROUTER THE LONG SIDES OF DECK PLANKS (TOP EDGES ONLY) WITH 1/2" ϕ BIT.
2. EPOXY COAT PRESTRESSED CONCRETE PILES FROM THE BOTTOM OF THE PILE CAP TO ELEV. -4.0 (TOP ALL PRESTRESSED CONCRETE PILES).
3. EPOXY COAT THE MILDSTEEL IN THE PRESTRESSED CONCRETE PILES AND IN THE PILE CAP.

GRAPHIC SCALES

1/2" = 1'-0"

1/4" = 1'-0"

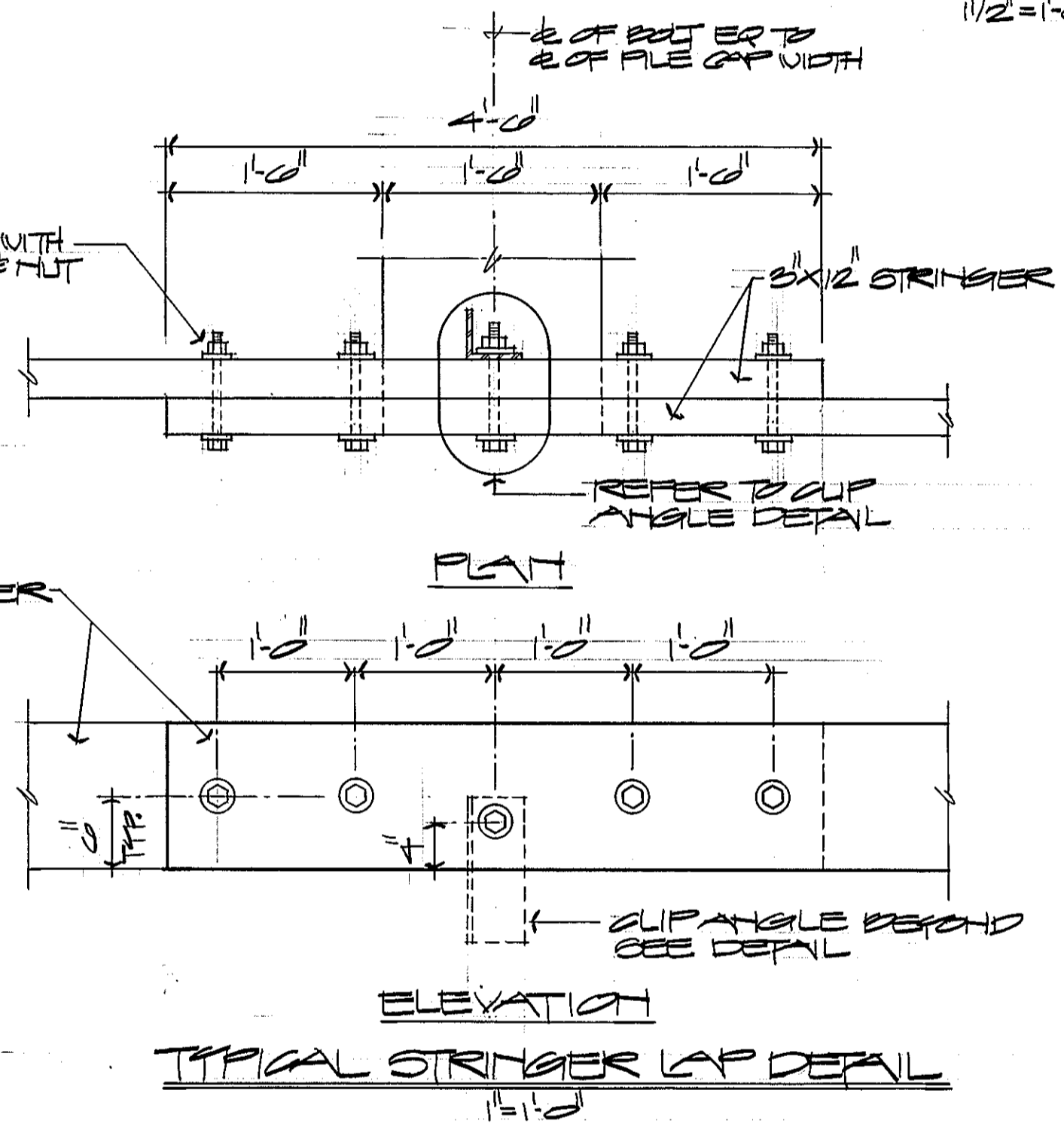
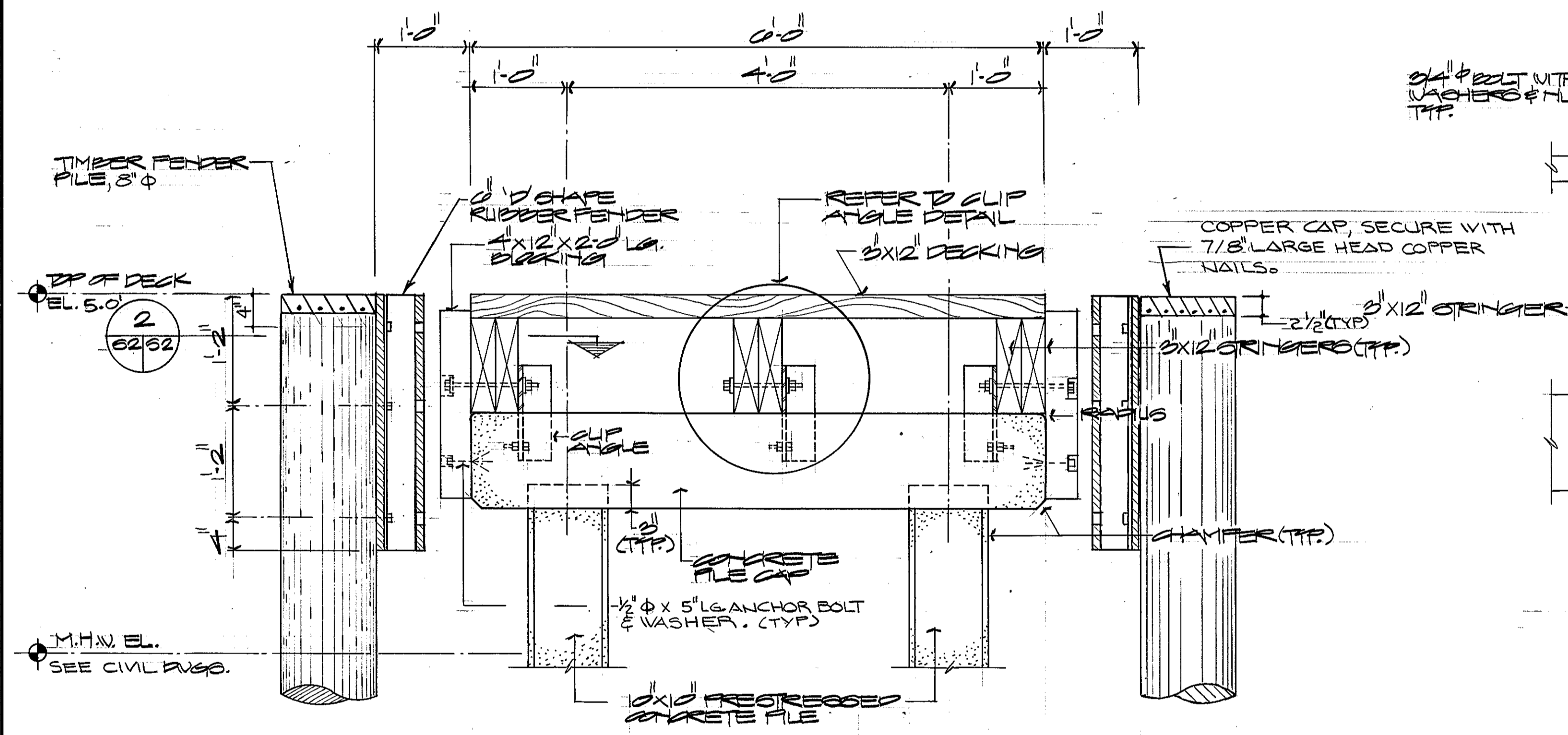
REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:	DPC		U.S. COAST GUARD NORFOLK, VA 23510	
DRAWN:	TRACED:		FACILITIES DESIGN & CONSTRUCTION CENTER	
CHECKED:			CIVIL ENGINEERING	
REVIEWED BY:			MULTI-MISSION STATION	
			OREGON INLET	
			BODIE ISLAND, NORTH CAROLINA	
			PIER PLAN & ELEVATION	
APPROVED:			3-22-90	S-1
			DATE	
			CHIEF OF DIVISION	
			DRAWING NUMBER	
			05-01-87	
			SCALE: DTP	SHEET 58 OF 97



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

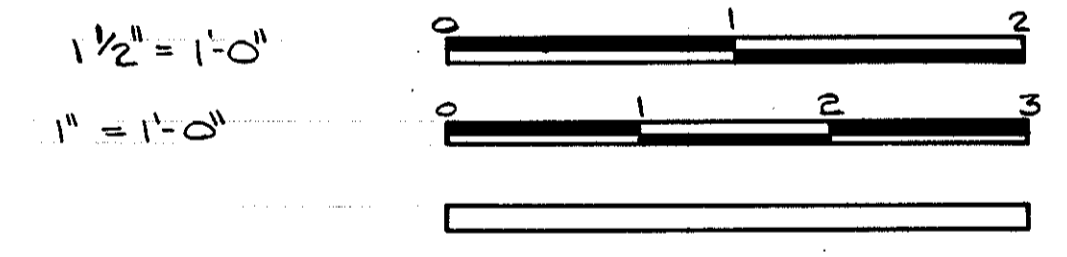
FILE AND FENDER DETAIL
1/2" = 1'-0"

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



TYPICAL STRINGER LAP DETAIL
1" = 1'-0"

GRAPHIC SCALES

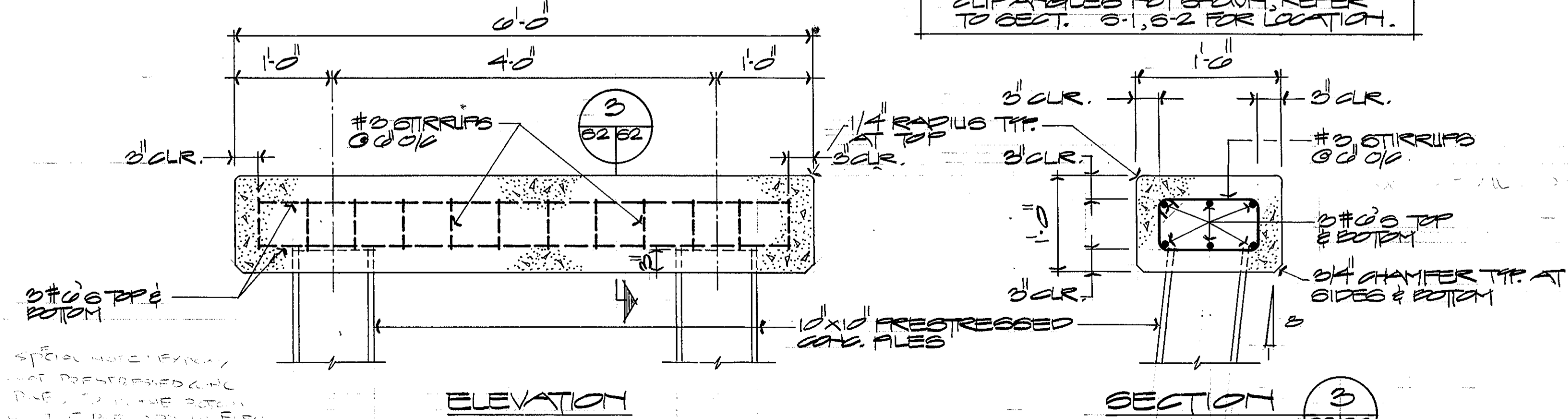


NOTE:
EXTEND FILE'S PRESTRESSED STRANDS 1'-0" INTO FILE CAP AND TIE TO CAP'S REINFORCING CASE.

SECTION 1
1" = 1'-0"

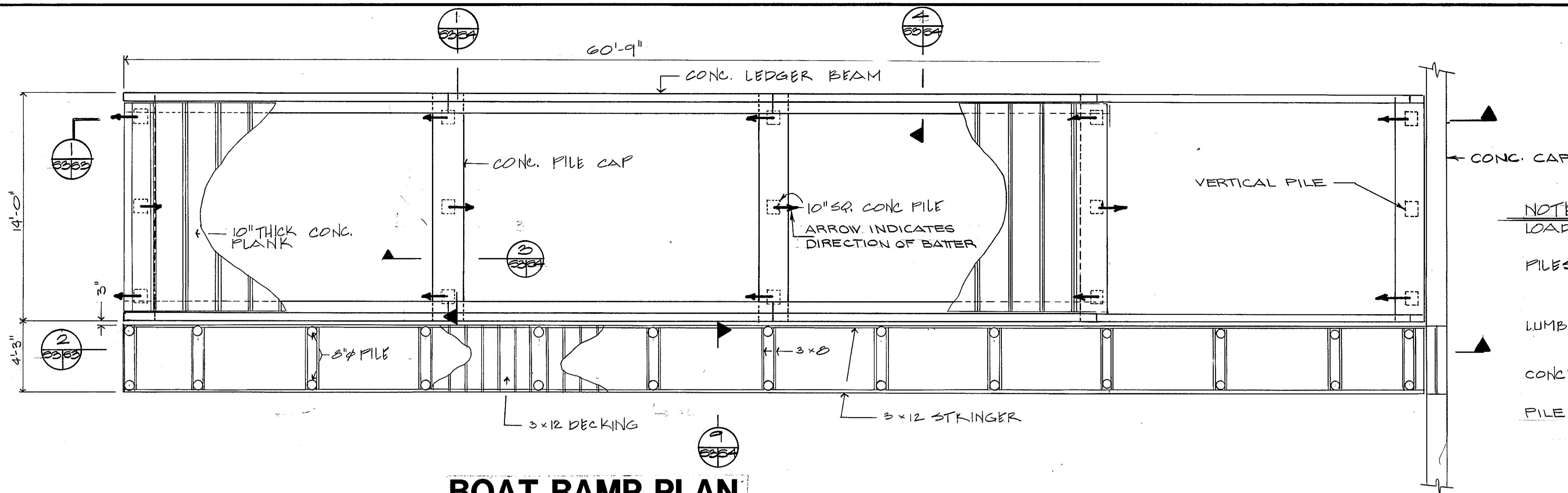
NOTE:
CLIP ANGLES NOT SHOWN, REFER TO SECT. 5-1, 5-2 FOR LOCATION.

NOTES
EPOXY COAT ALL MILD STEEL INCLUDING PRESTRESSED WIRE BUNDLE STEEL



TYPICAL FILE CAP REINFORCING DETAILS
1" = 1'-0"

REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED BY:	DPC		U.S. COAST GUARD	NORFOLK, VA 23510
DRAWN BY:	THH		FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED BY:			CIVIL ENGINEERING	
CHECKED BY:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
REVIEWED BY:			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:				
REVIEWED BY:				
APPROVED:				
			DATE: 3-22-90	S-2
			CHIEF OF DIVISION	
			DRAWING NUMBER	
			05-01-87	
			SCALE: 1/2" = 1'-0"	SHEET 59 OF 97



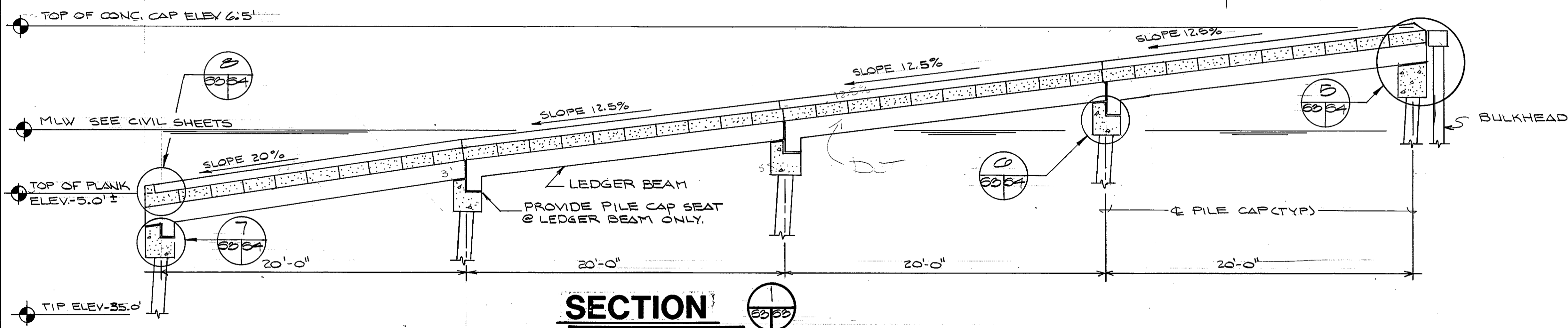
BOAT RAMP PLAN

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

NOTES:

- LOADINGS: RAMP: FULLY LOADED 2 TON PICK-UP TRUCK
CATWALK: 100 PSF
- FILES: 10" SQ PRESTRESSED CONC - CAPACITY 20 TONS
DRIVE TO ELEV. (-) 35.0'
8" ϕ TIMBER - CAPACITY 15 TONS
DRIVE TO ELEV. (-) 35.0'
- LUMBER: ALL BOARDS ROUGH CUT.
MIN. $F_c = 1300$ psi
 $F_v = 90$ psi
- CONC: 28 DAY COMPRESSIVE STRENGTH = 3000 psi
REINF - ASTM A 615 GR 60,
3" CLEAR FOR ALL REINF
- FILE BATER: BATER INDICATED FILES 1 HORIZONTAL
TO 8 VERTICAL.

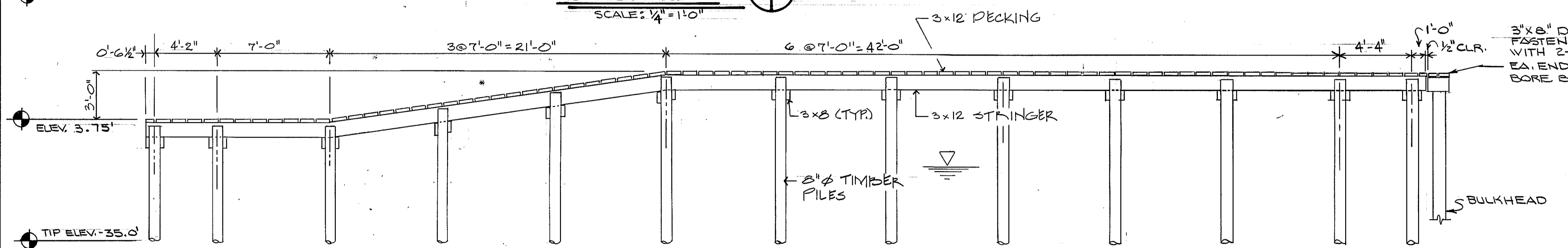
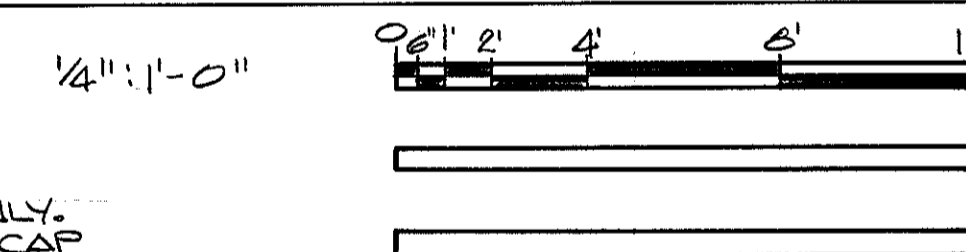
SPECIAL NOTE: Epoxy coat all prestressed concrete piles from the bottom of the pile cap to elev. -1.0'. The epoxy coat all mild steel rebar.



SECTION 1

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

GRAPHIC SCALES



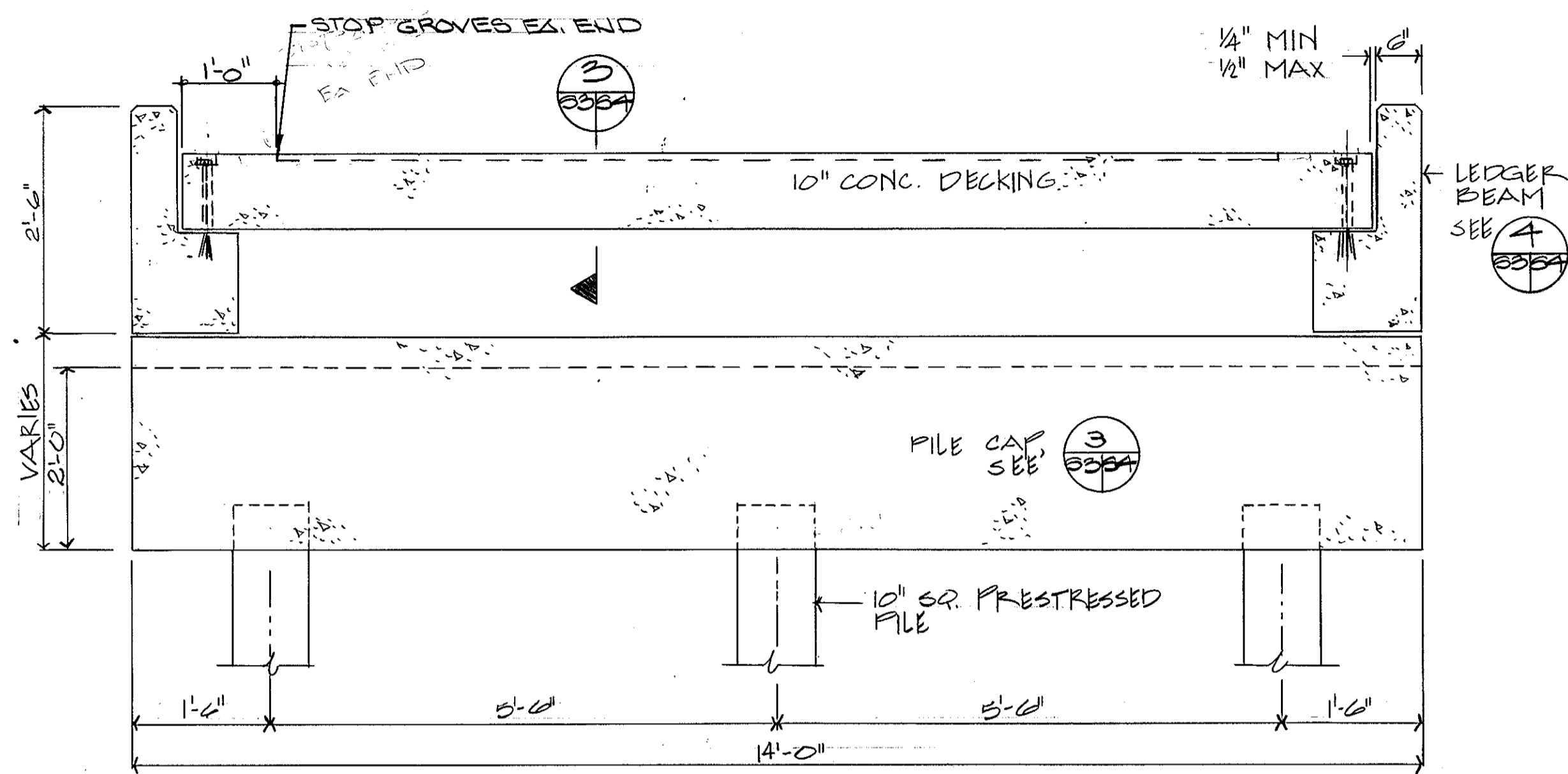
SECTION 2

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

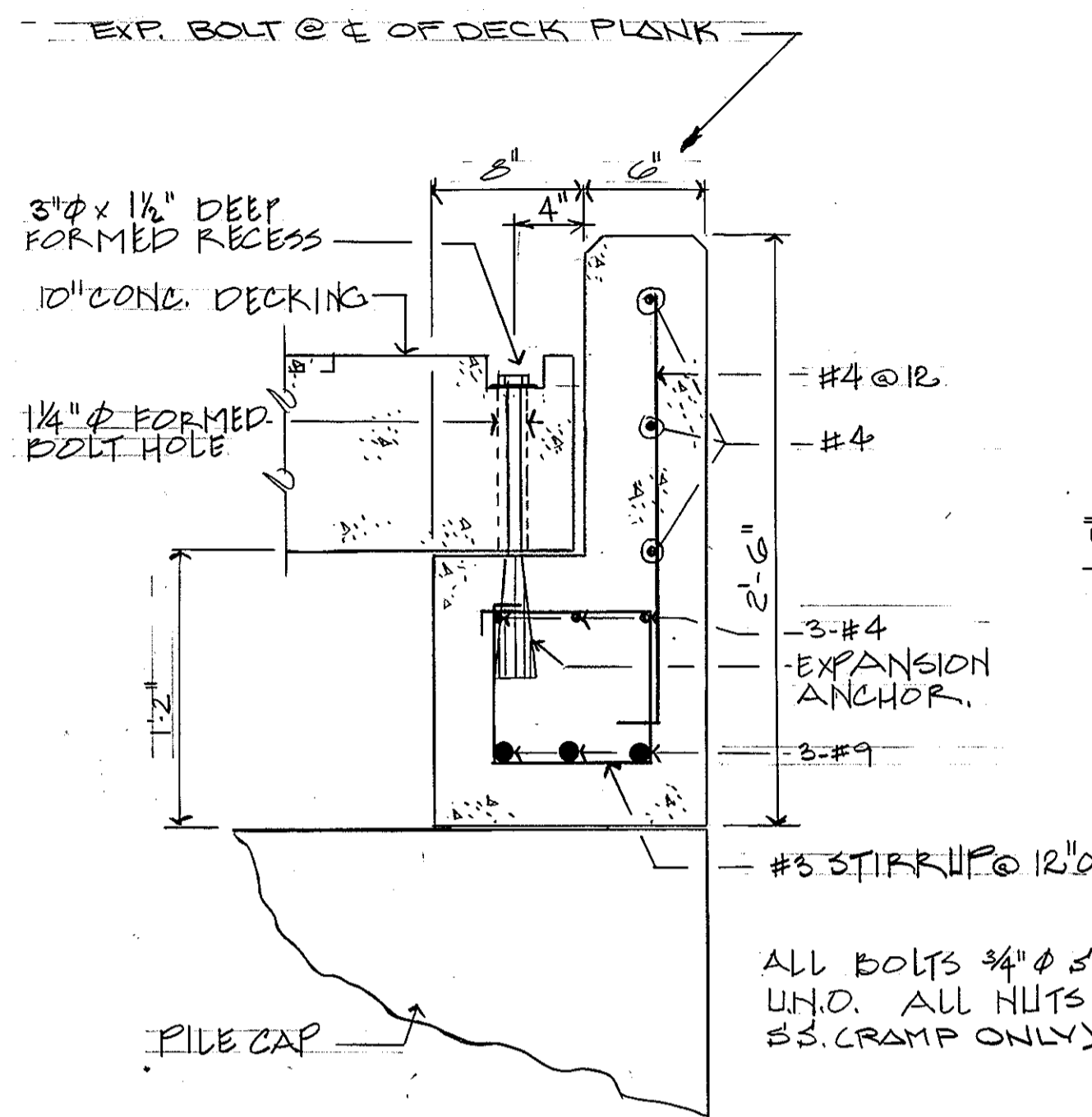
NOTES:

1. ROUTER THE LONG SIDES OF DECK PLANKS (TOP EDGES ONLY) WITH 1/2" ϕ BIT.
2. EPOXY COAT PRESTRESSED CONCRETE PILES FROM THE BOTTOM OF FILE CAP TO ELEV. -4.0' (TOP ALL PRESTRESSED CONCRETE PILES).
3. EPOXY COAT THE MID-STEEL IN THE PRESTRESSED CONCRETE PILES, FILE CAPS, LEDGER BEAMS AND DECK PLANKS.
4. EPOXY COAT CONCRETE LEDGER BEAMS AND FILE CAPS.

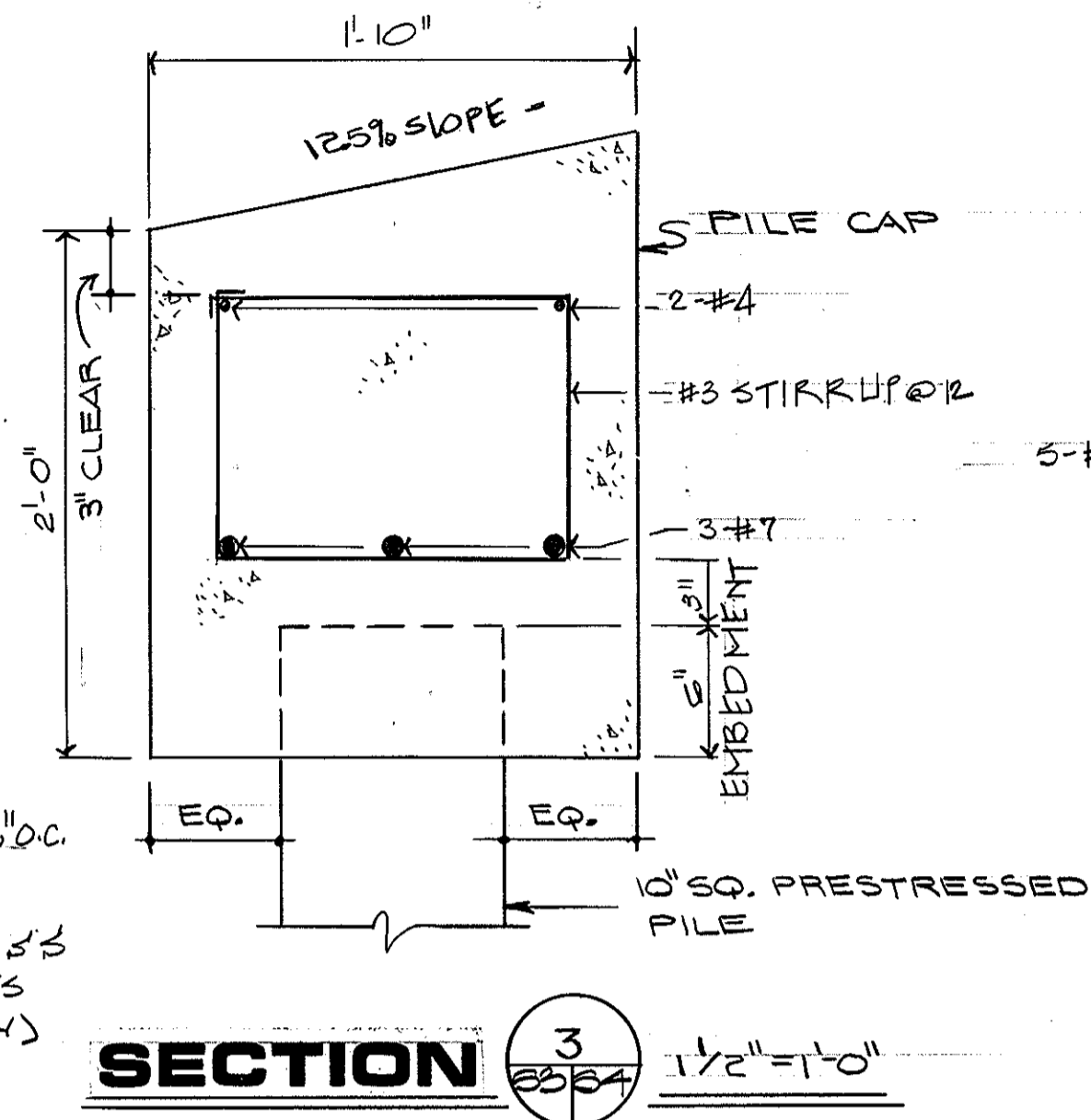
REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:	DPC		U.S. COAST GUARD	NORFOLK, VA 23510
DRAWN:	RLK		FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED:			CIVIL ENGINEERING	
CHECKED:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
REVIEWED BY:			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			BOAT RAMP PLAN & SECTIONS	
REVIEWED BY:			APPROVED: <i>Michael Sperry</i>	3.22.90
			CHIEF OF DIVISION	DATE
			DRAWING NUMBER	S-3
			05-01-87	
			SCALE: NOTED	SHEET 60 OF 97



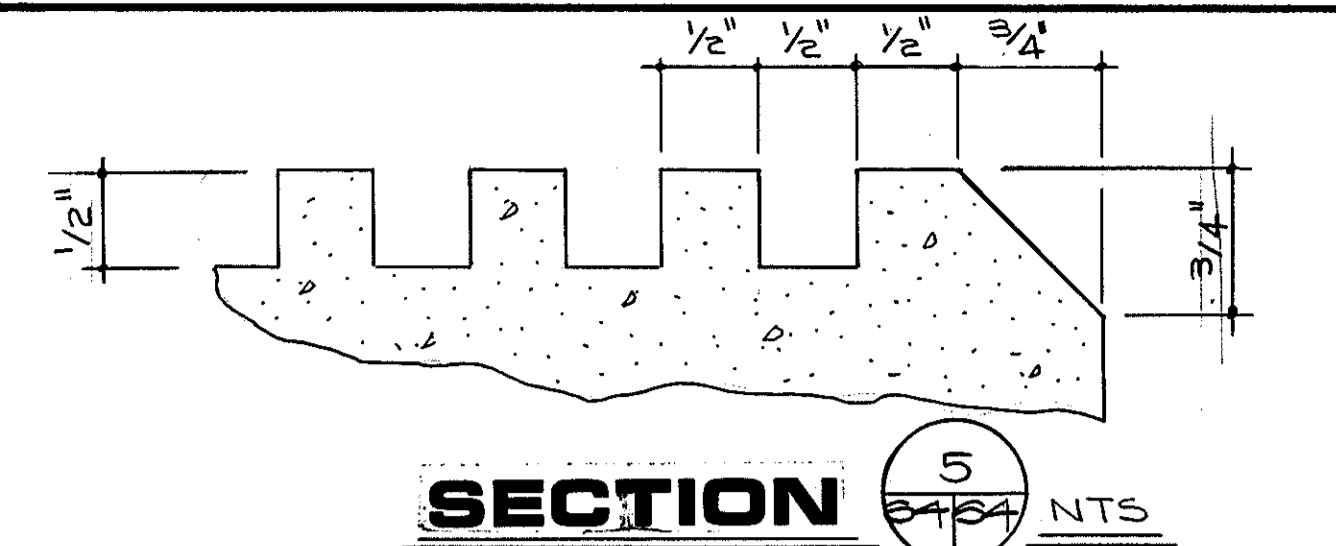
SECTION 2 3/4" = 1'-0"



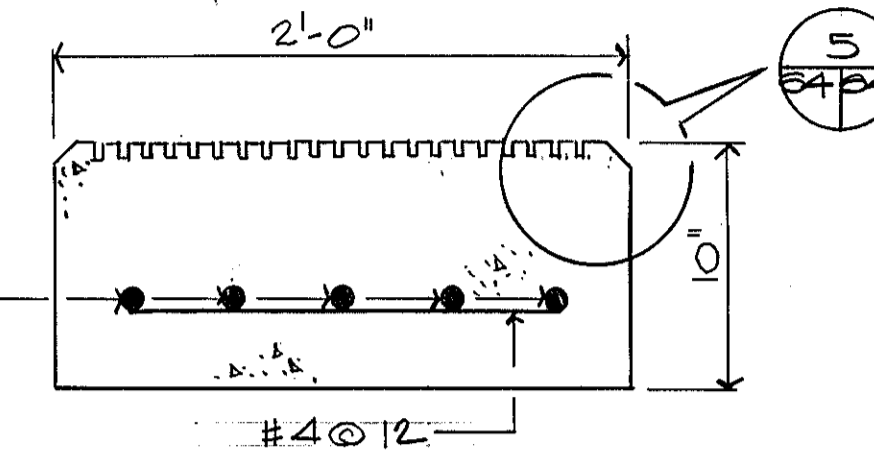
SECTION 4 1/2" = 1'-0"



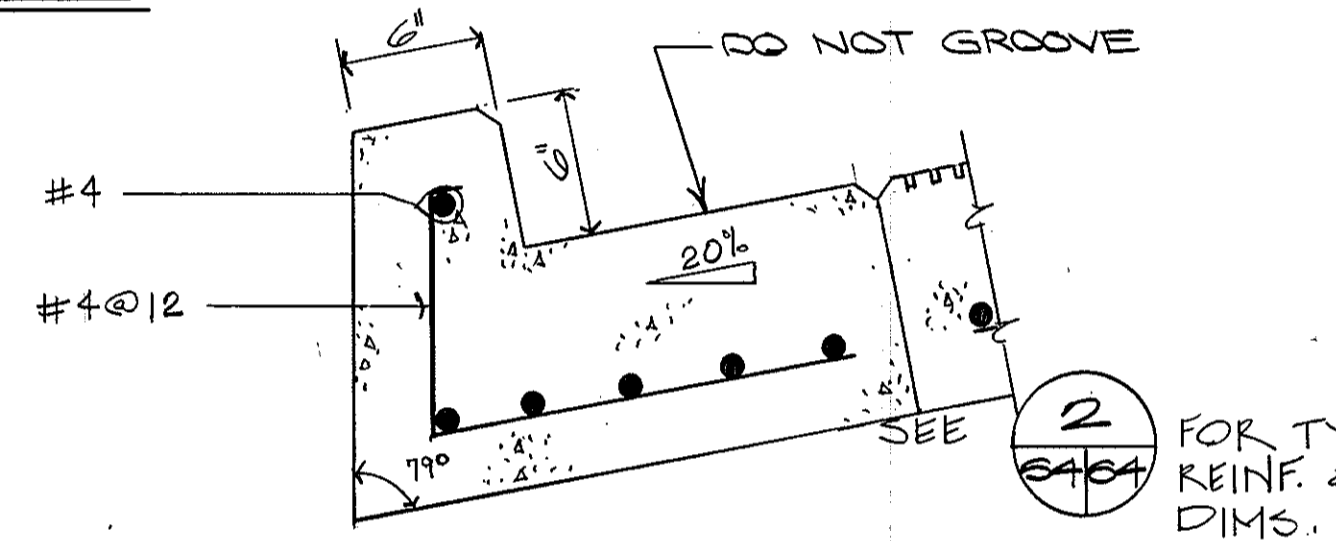
SECTION 3 1/2" = 1'-0"



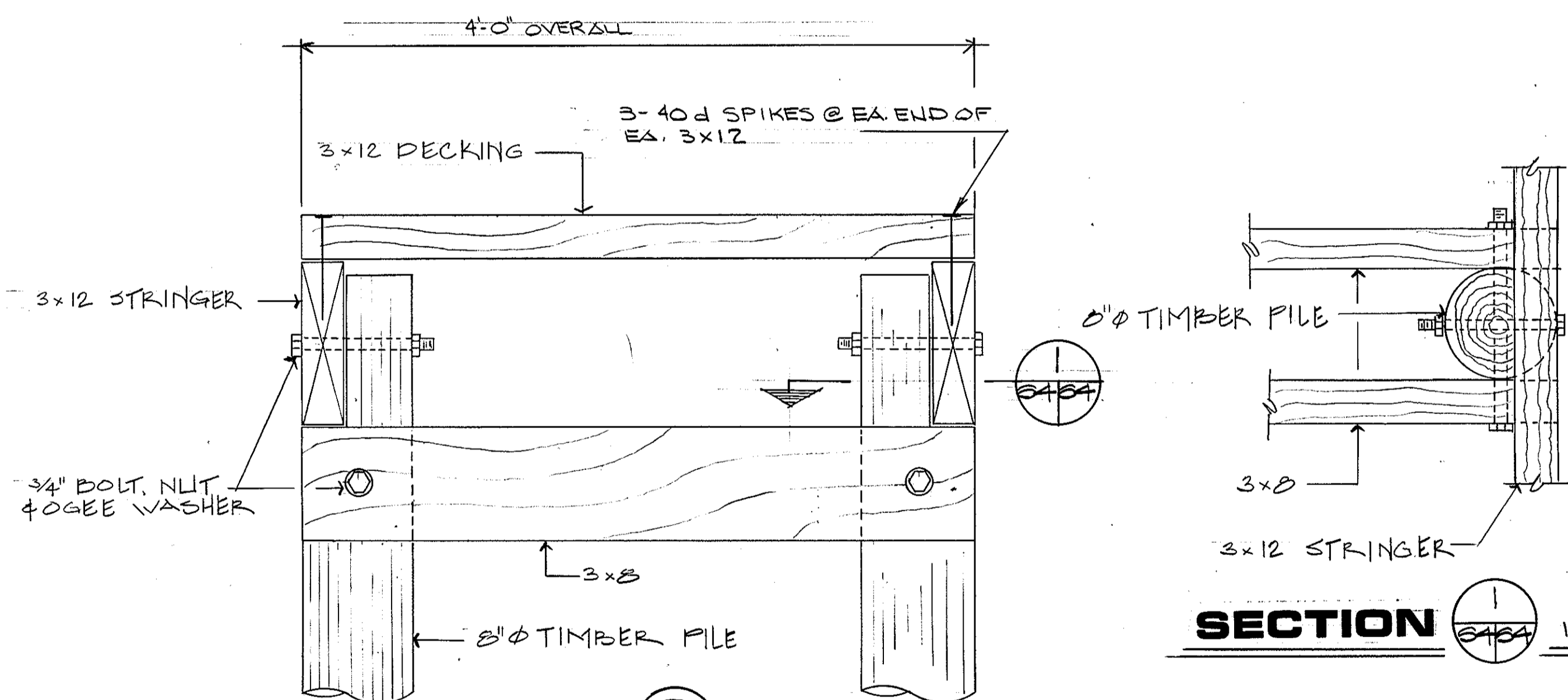
SECTION 5 NTS



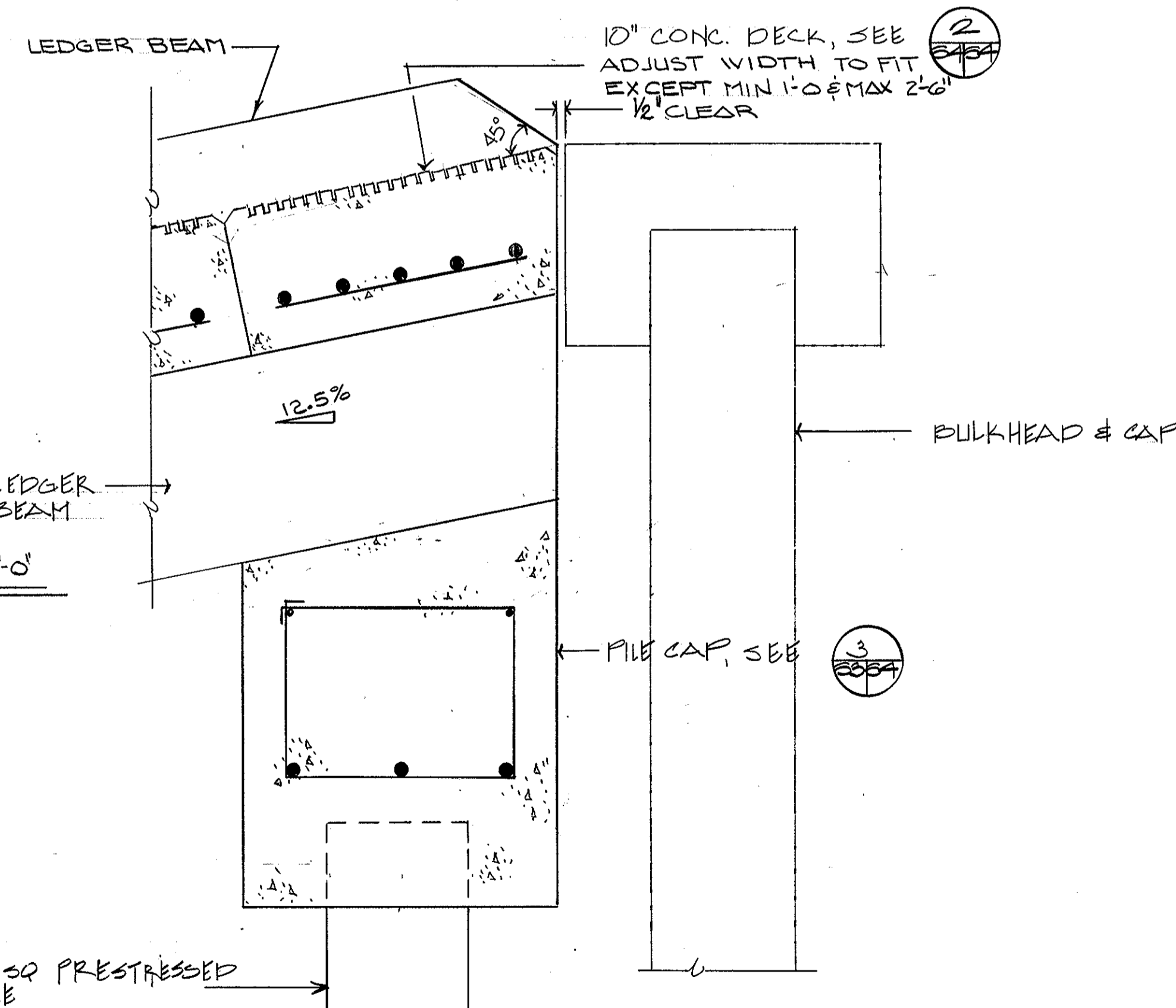
SECTION 5 1/2" = 1'-0"



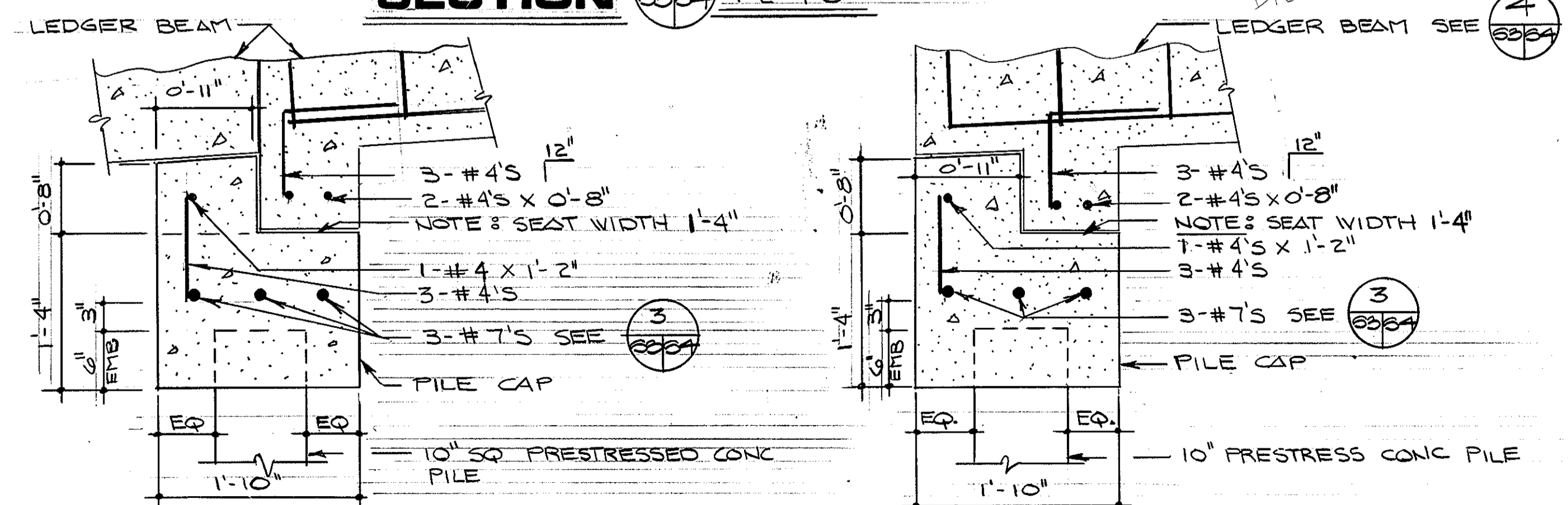
SECTION 2 1/2" = 1'-0"



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



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

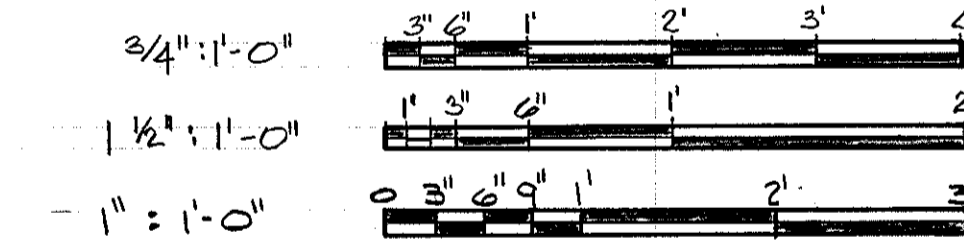


SECTION 3 1" = 1'-0"

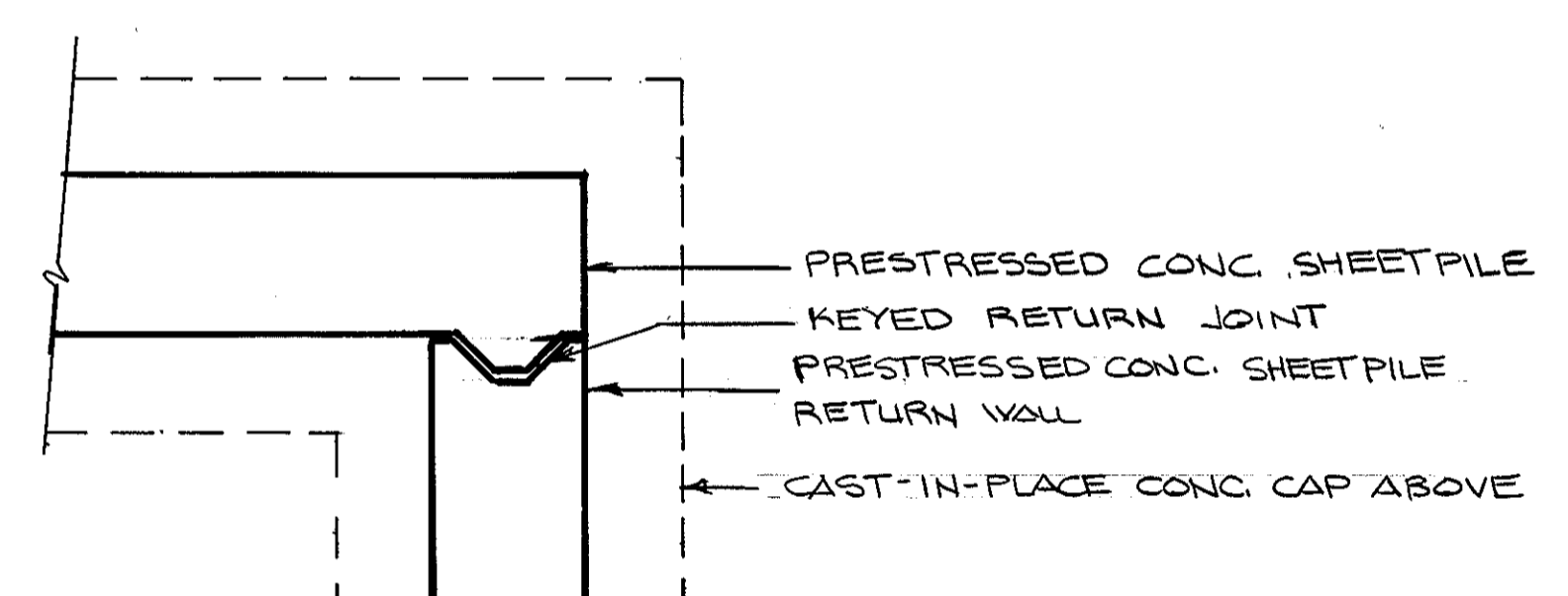
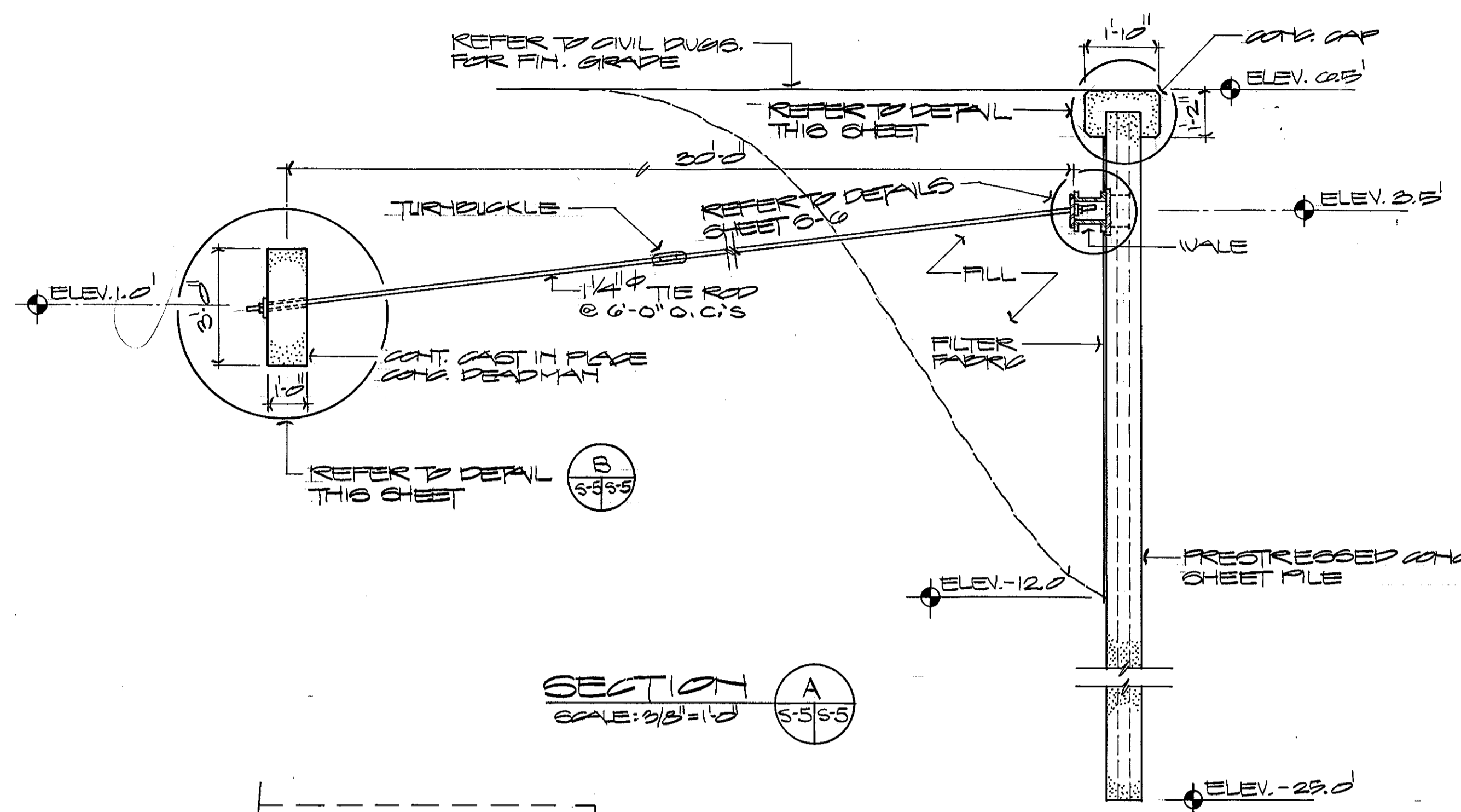
SECTION 7 1" = 1'-0"

SPECIAL NOTE: EPOXY COAT ALL MILD STEEL

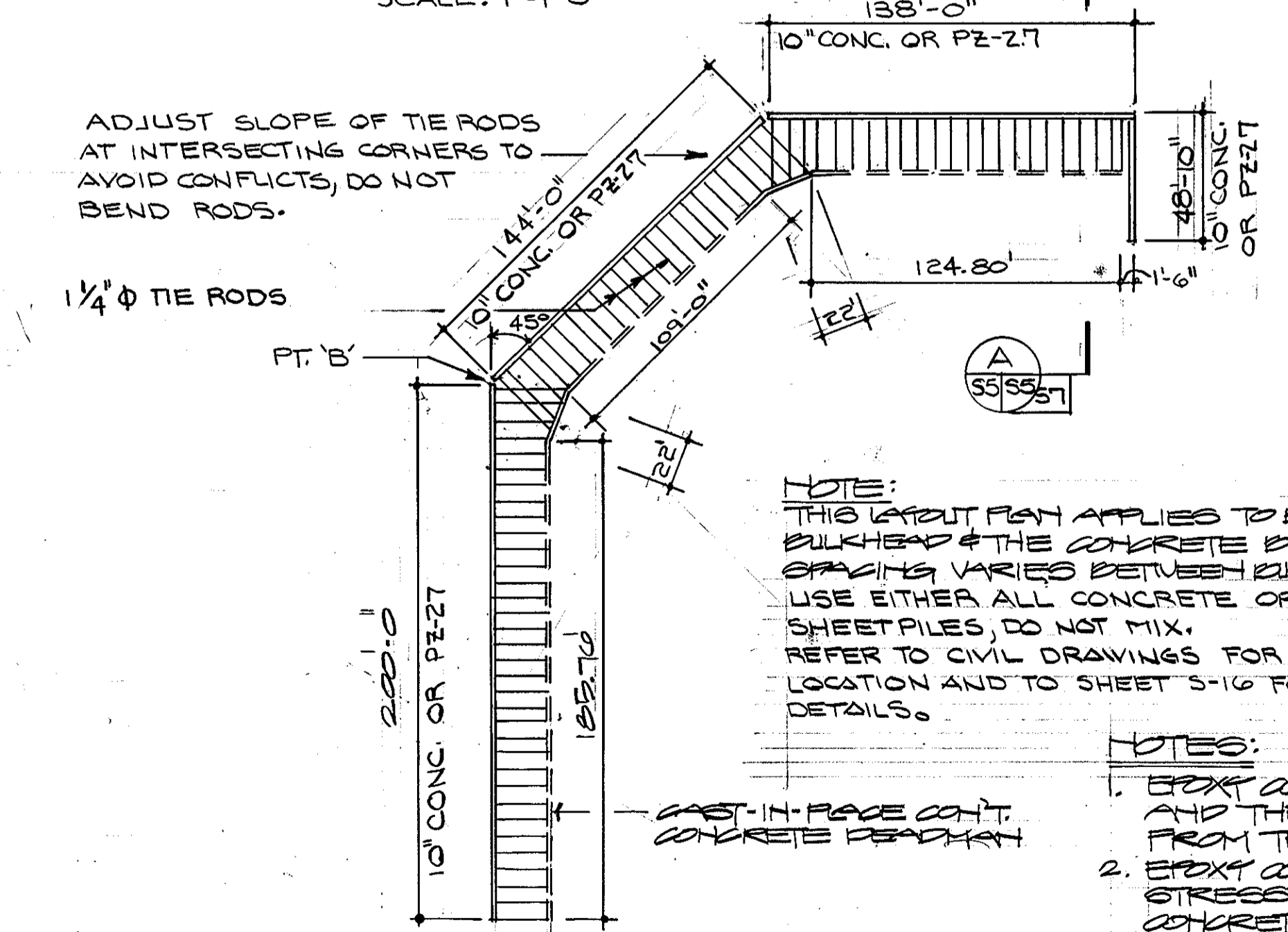
GRAPHIC SCALES



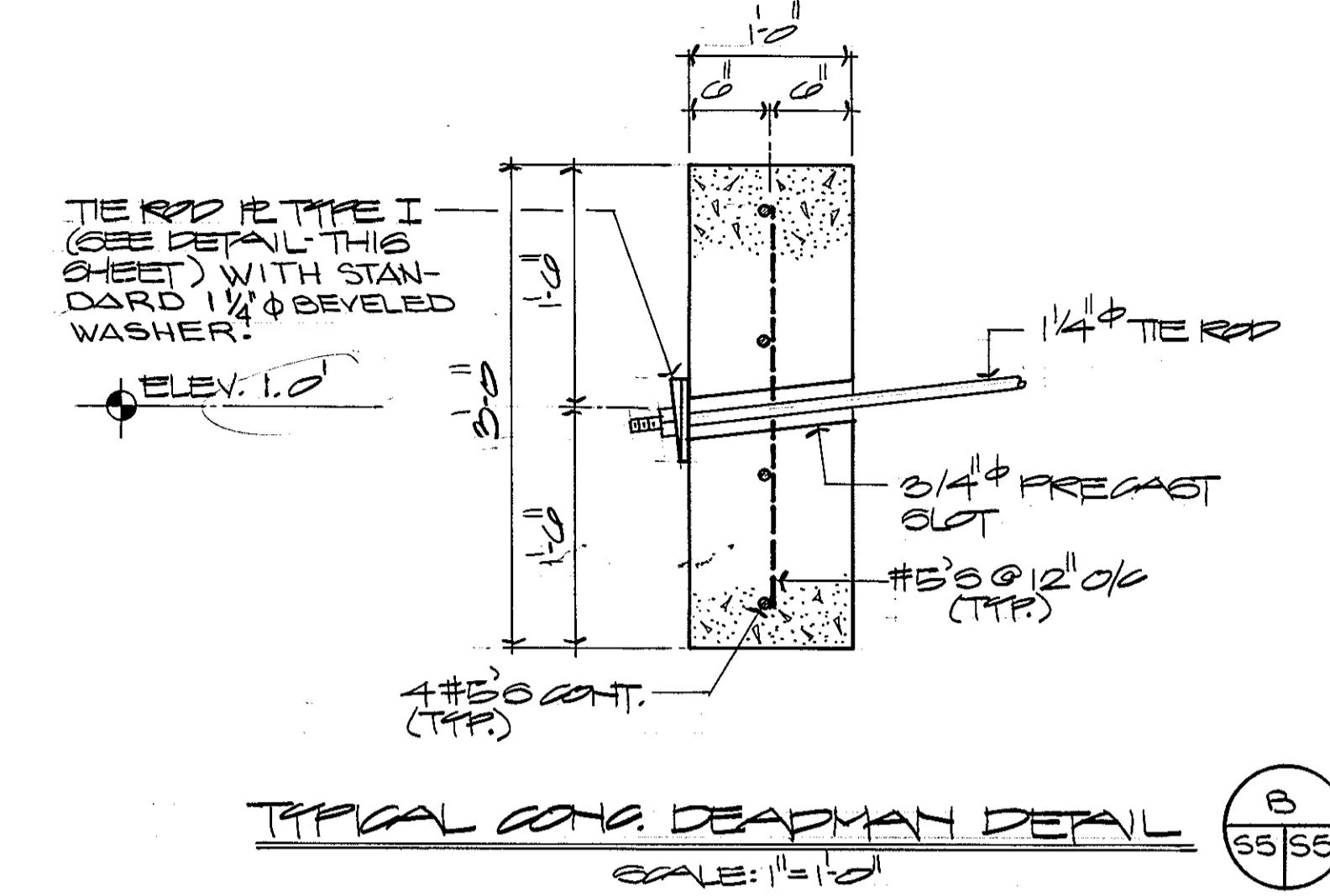
REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:	DPC		U.S. COAST GUARD NORFOLK, VA 23510	
DRAWN:	RLK		FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED:			CIVIL ENGINEERING	
CHECKED:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
REVIEWED BY:			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			BOAT RAMP SECTIONS & DETAILS	
REVIEWED BY:			APPROVED:	
			<i>M. W. Jones</i> 3-22-90	S-4
			DATE	
			DRAWING NUMBER	
			05-01-87	
			SCALE: NOTED	SHEET 61 OF 97



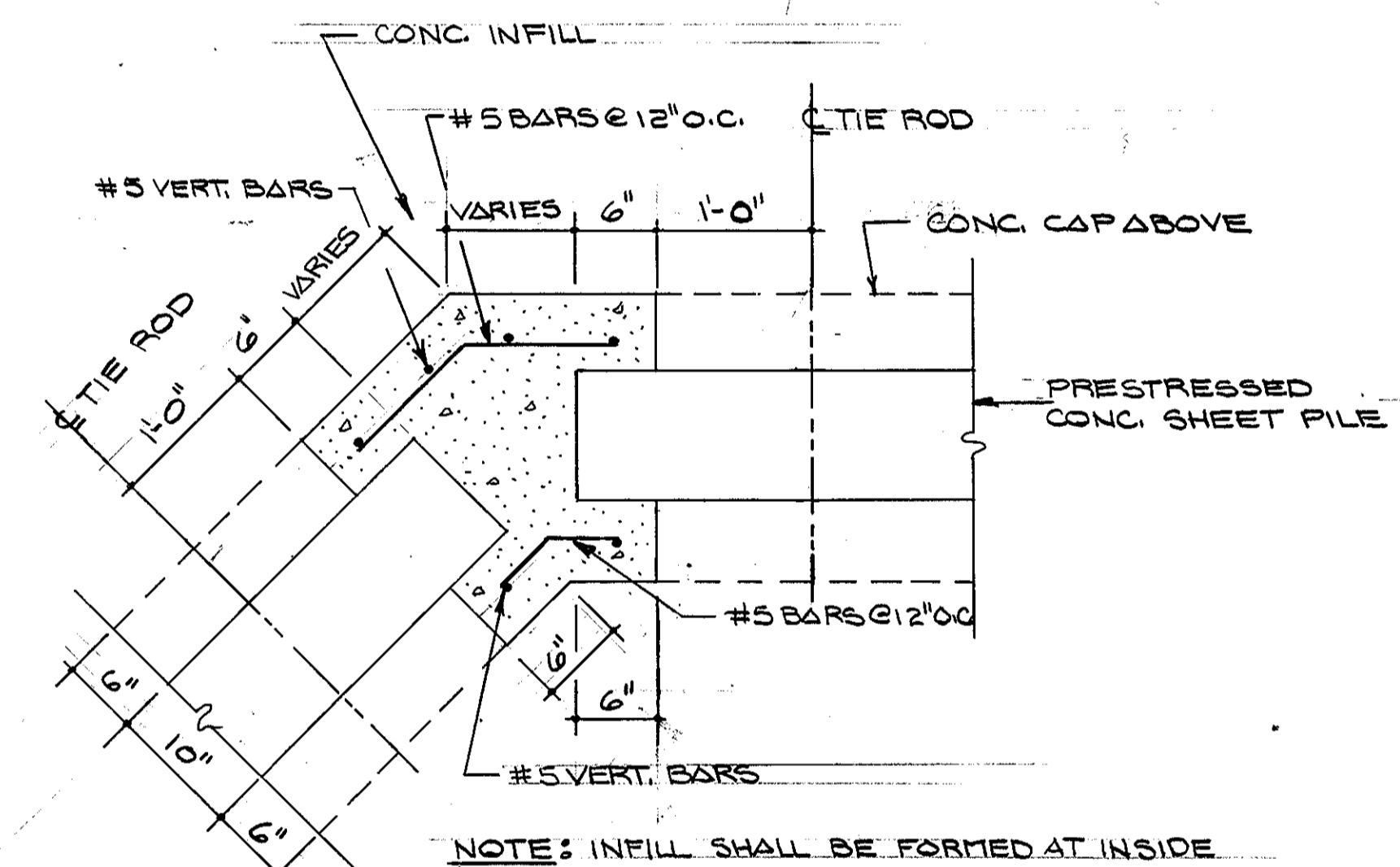
90° SHEETPILE CORNER DETAIL
SCALE: 1"=1'-0"



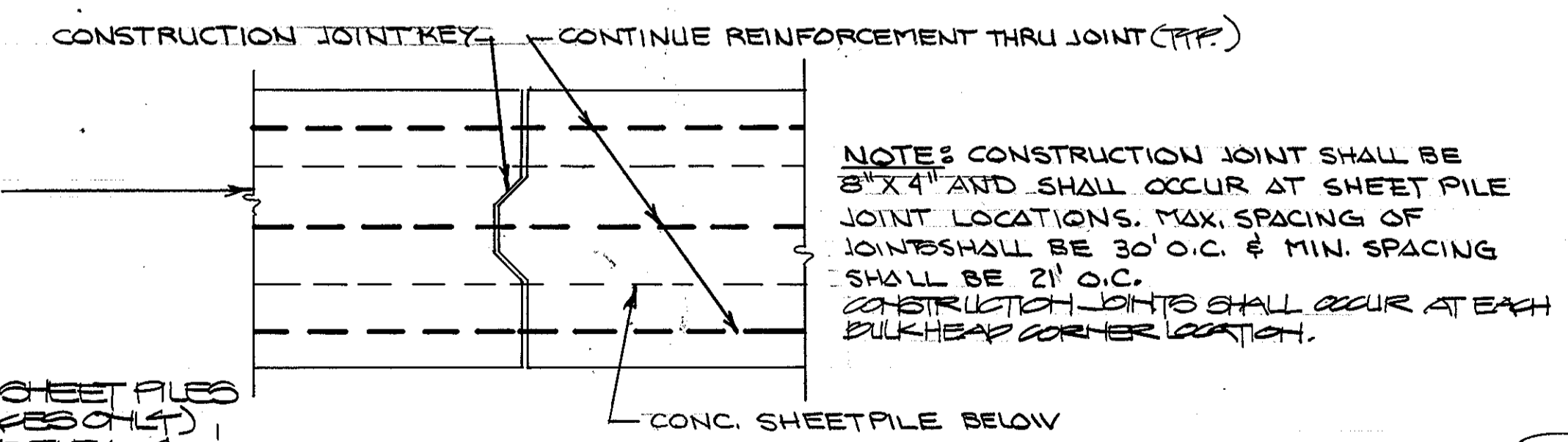
BULKHEAD LAYOUT PLAN
SCALE: 1"=50'



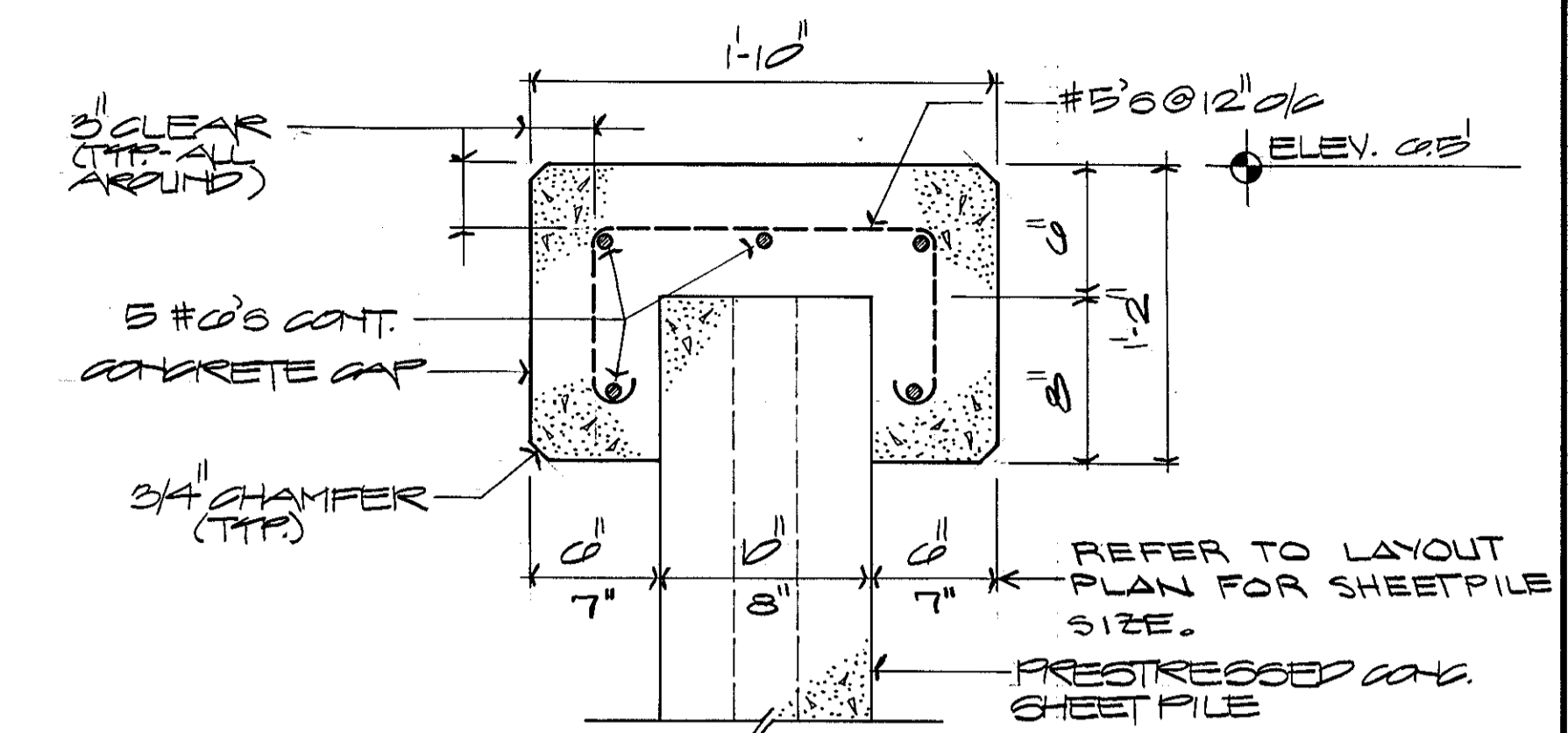
TYPICAL CONC. DEADMAN DETAIL
SCALE: 1"=1'-0"



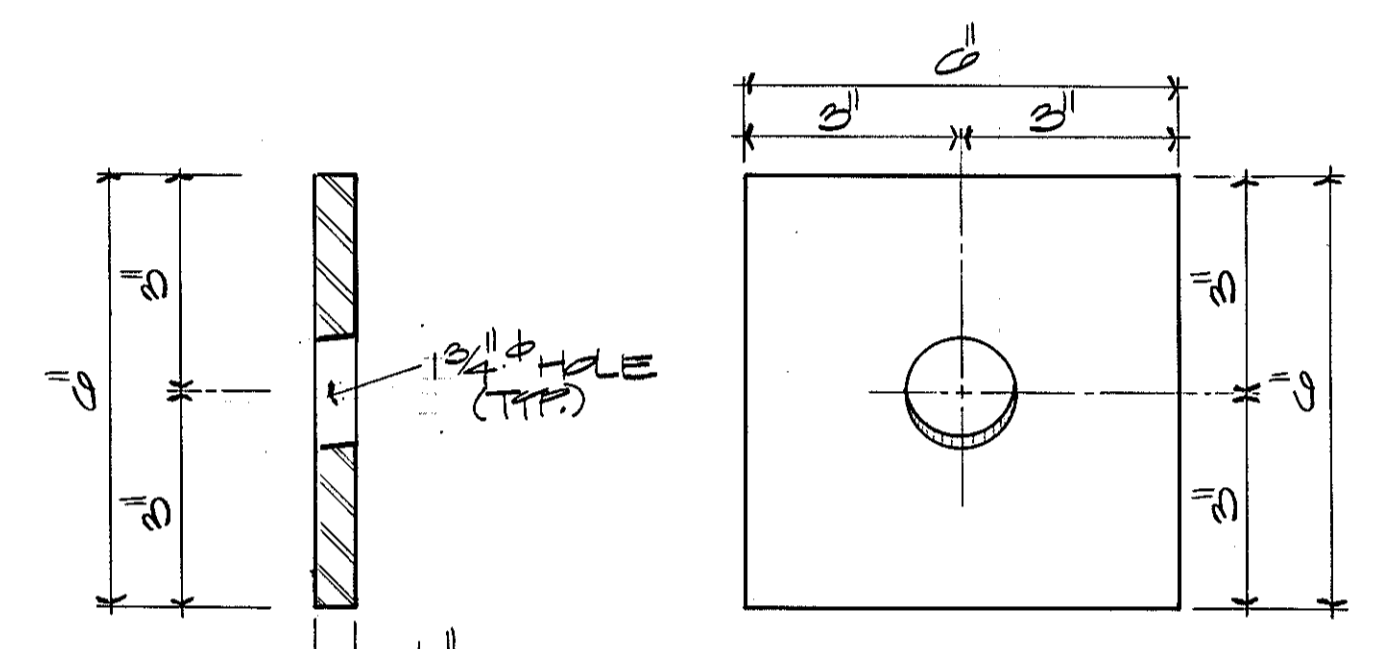
TYPICAL SHEETPILE CORNER INFILL DETAIL
SCALE: 1"=1'-0"



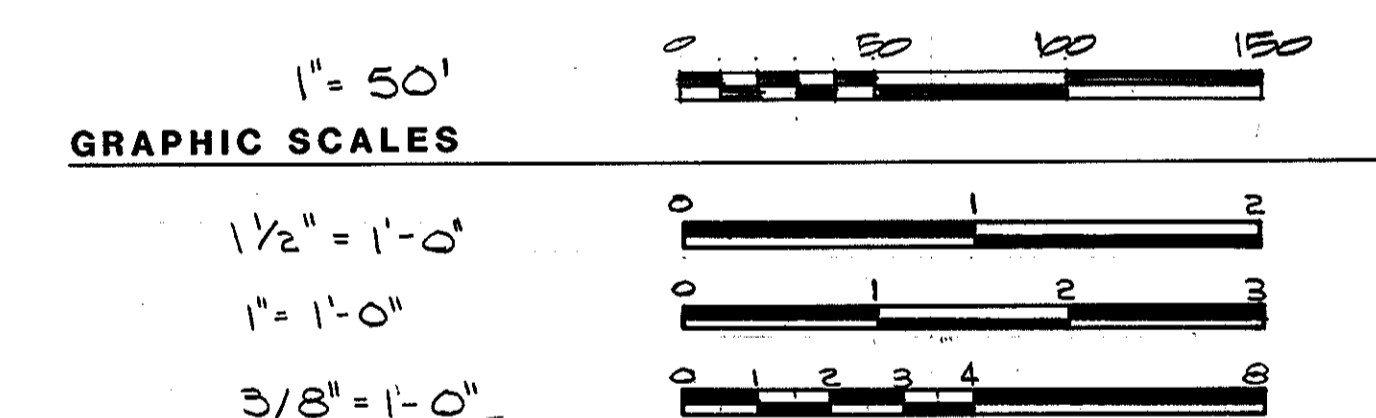
TYPICAL SHEETPILE CONC. CAP CONSTRUCTION JOINT DETAIL
SCALE: 1"=1'-0"



TYPICAL CONC. CAP DETAIL
SCALE: 1 1/2"=1'-0"



TYPICAL TIE ROD #2 TYPE I (GALVANIZED)
NOT TO SCALE

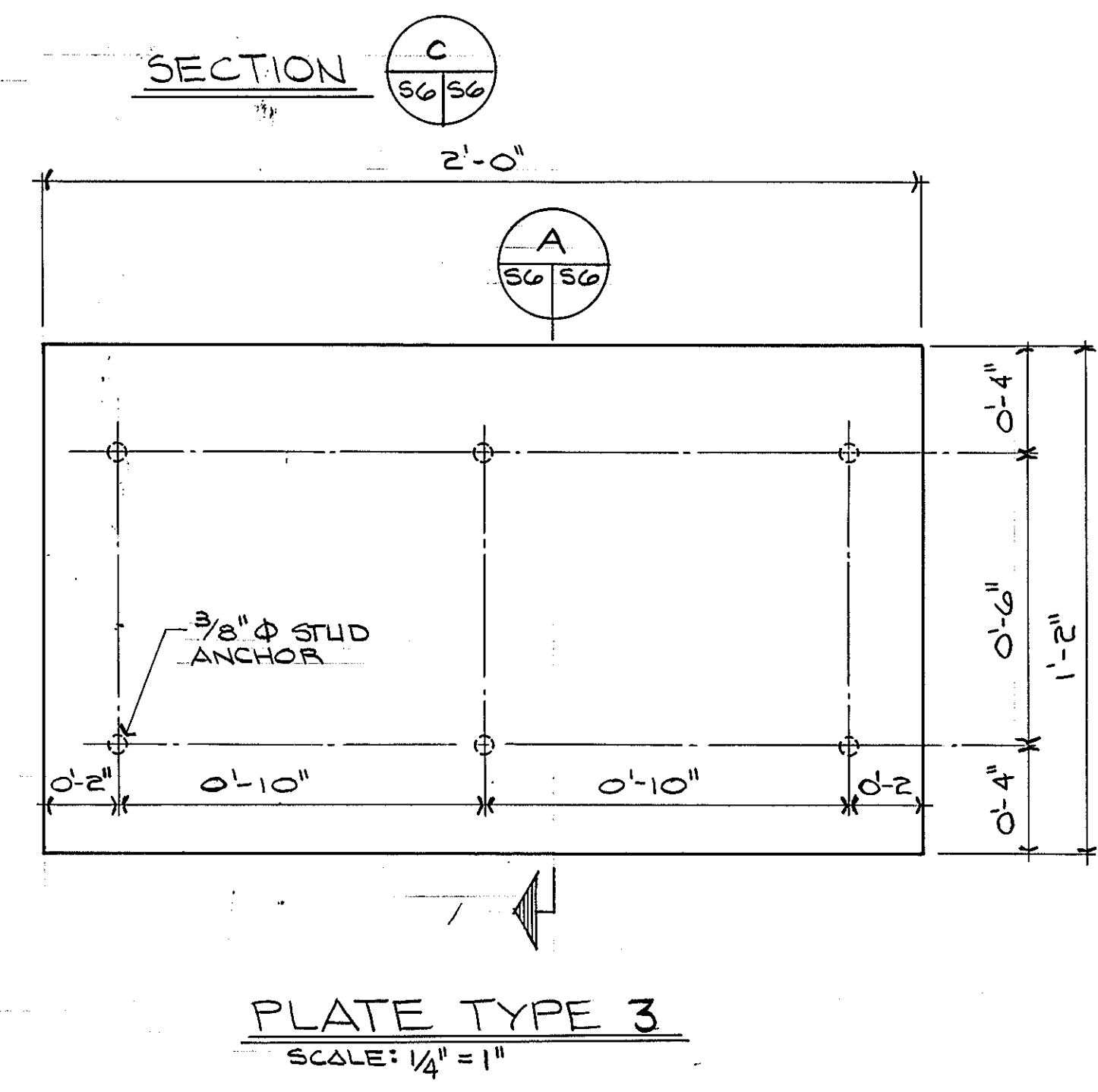
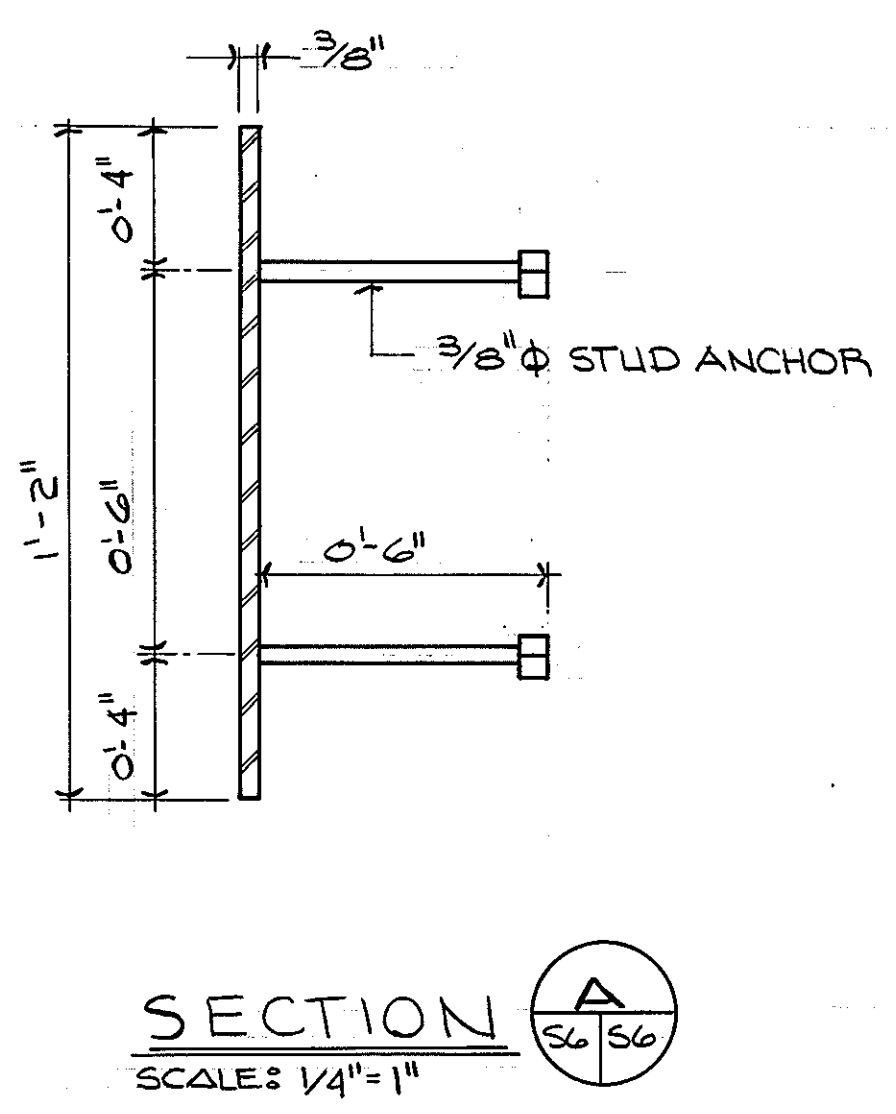
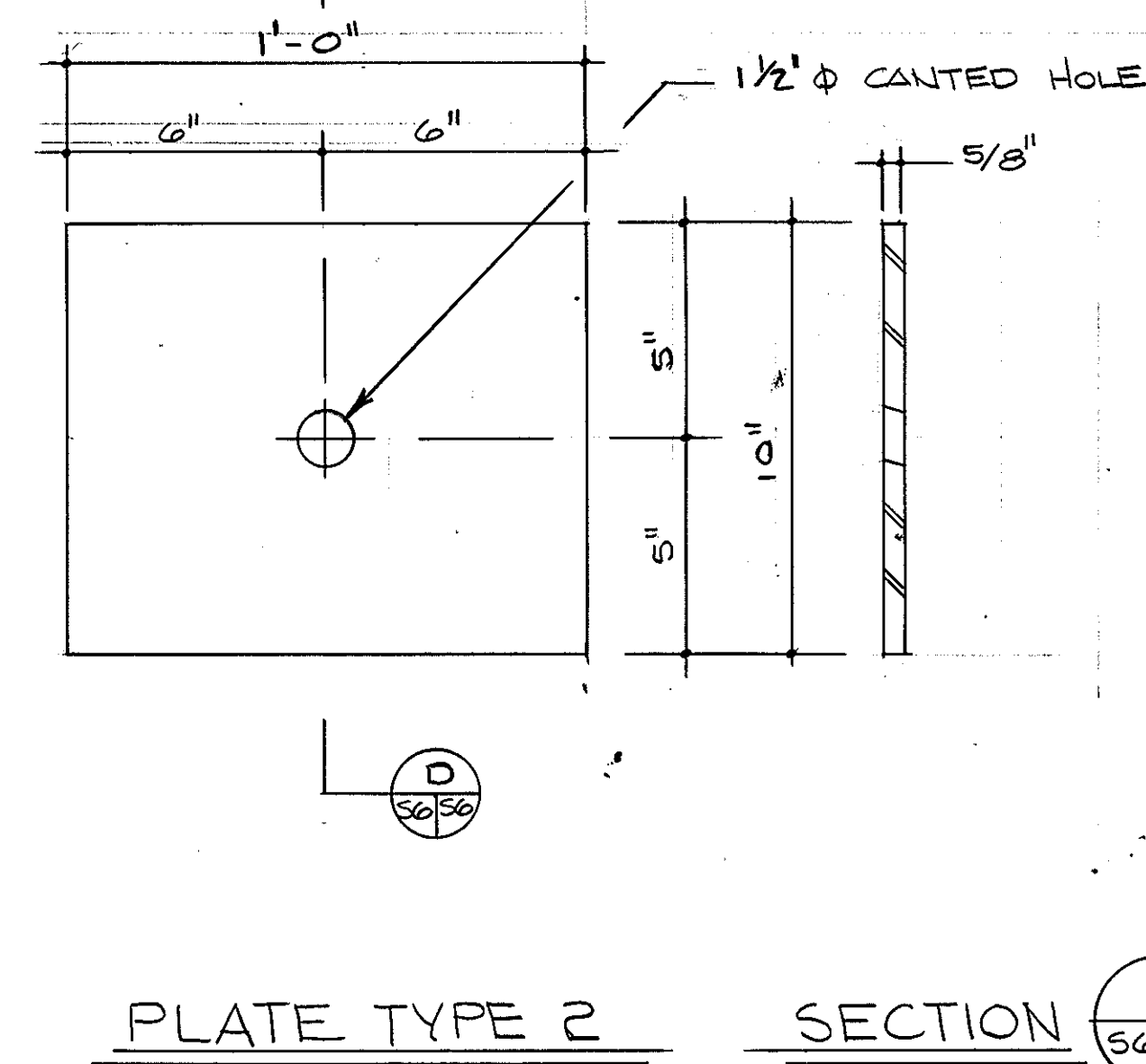
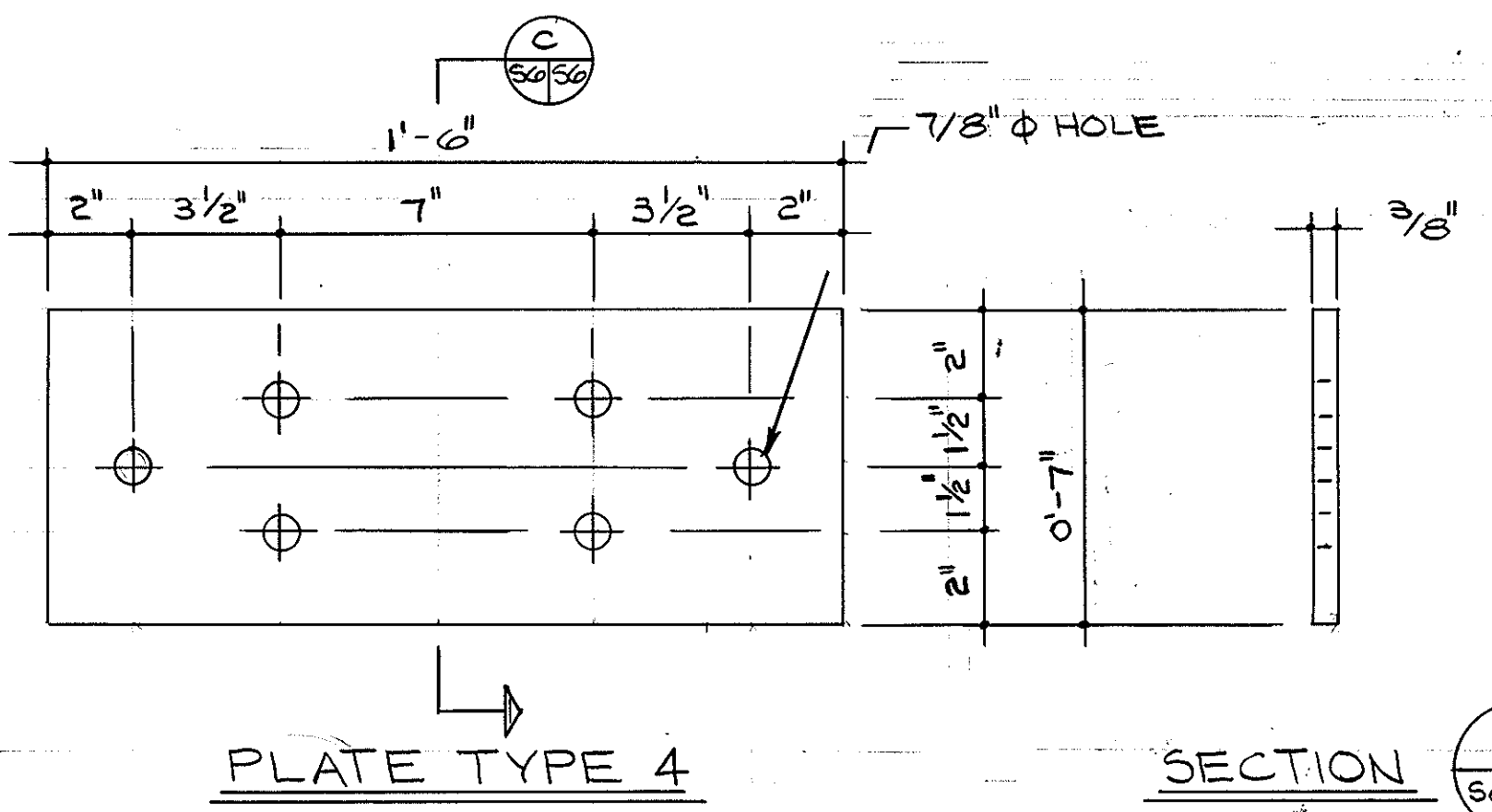
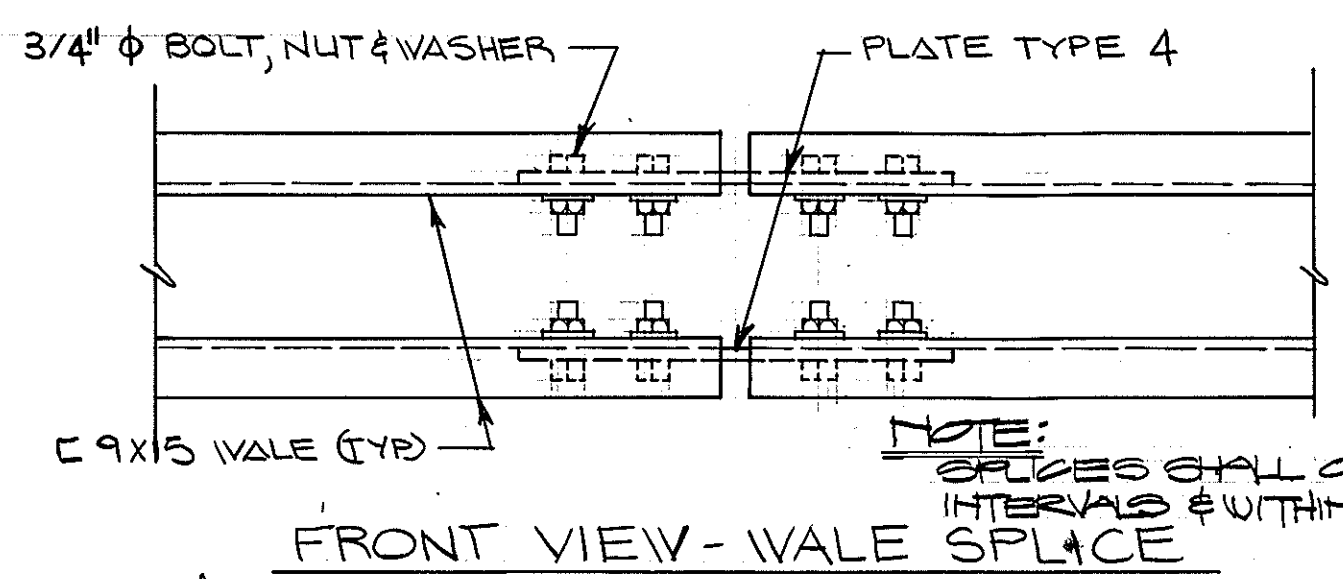
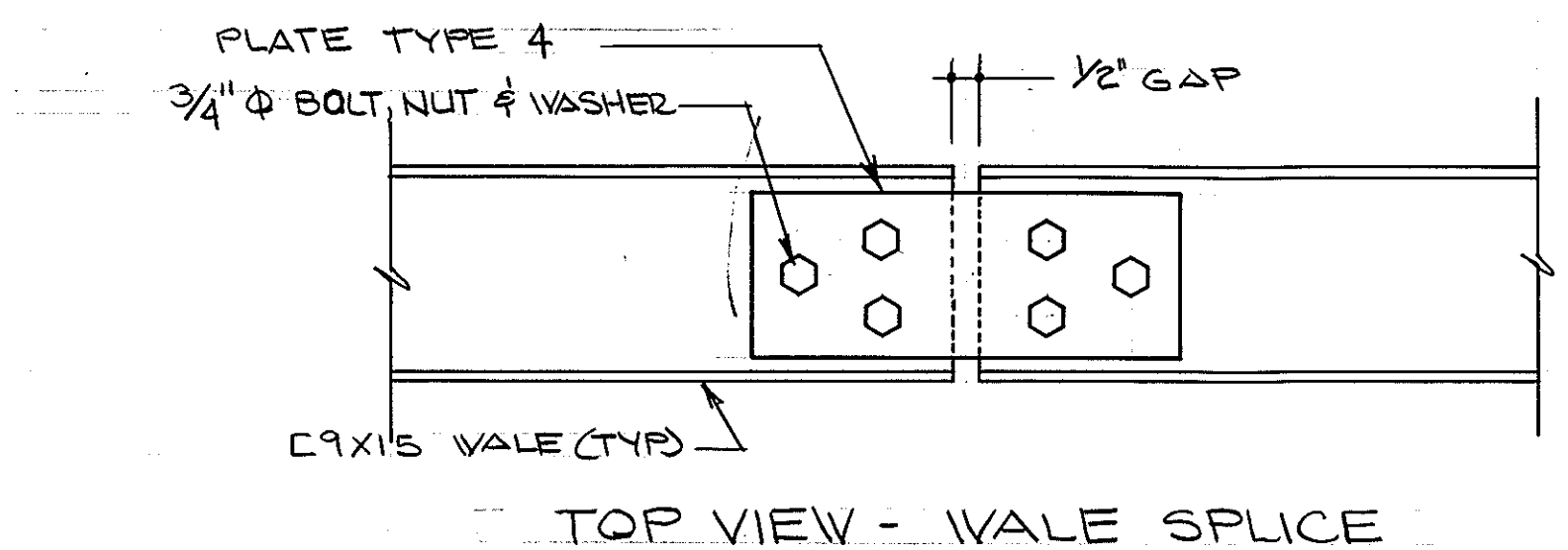
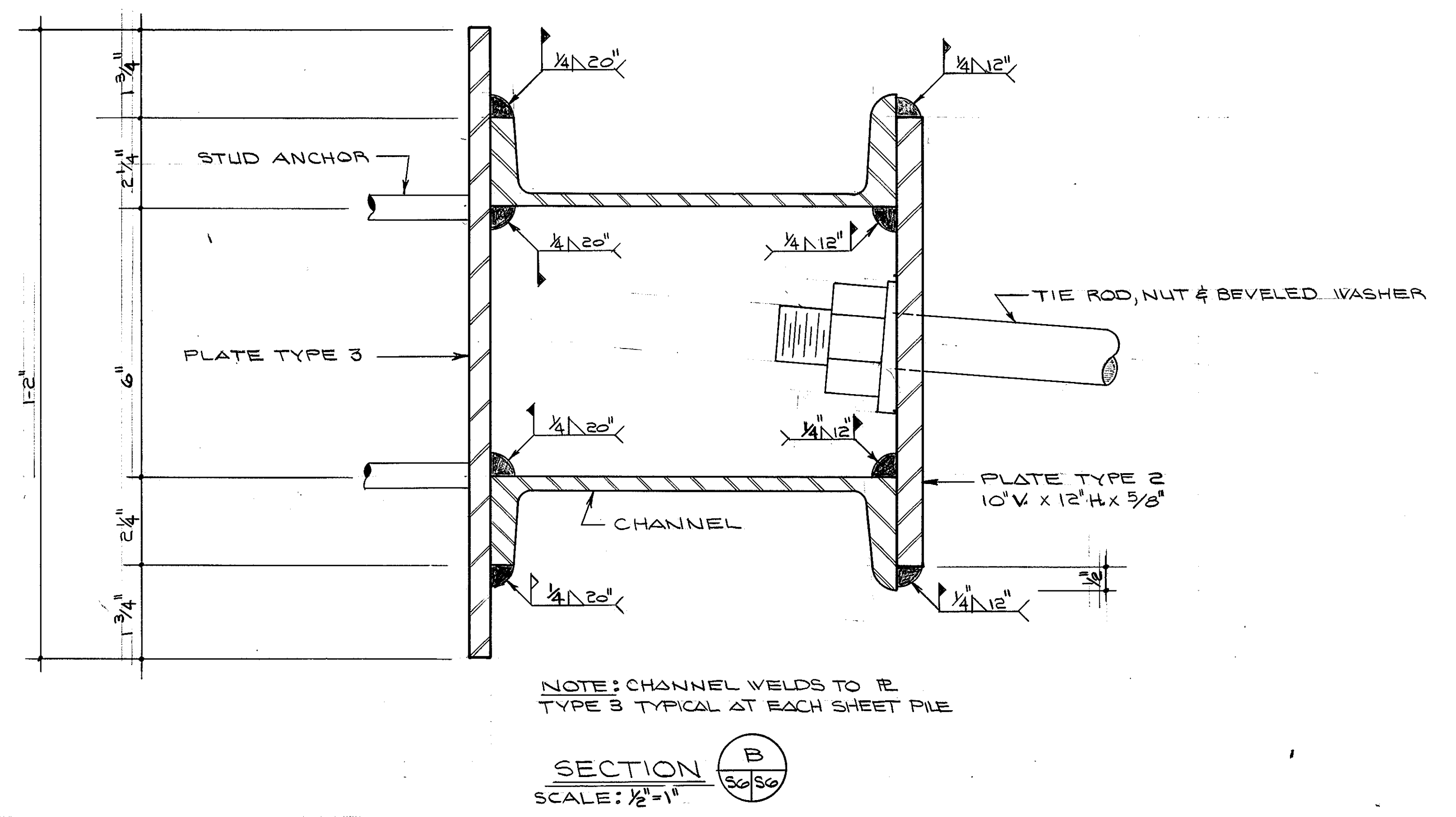
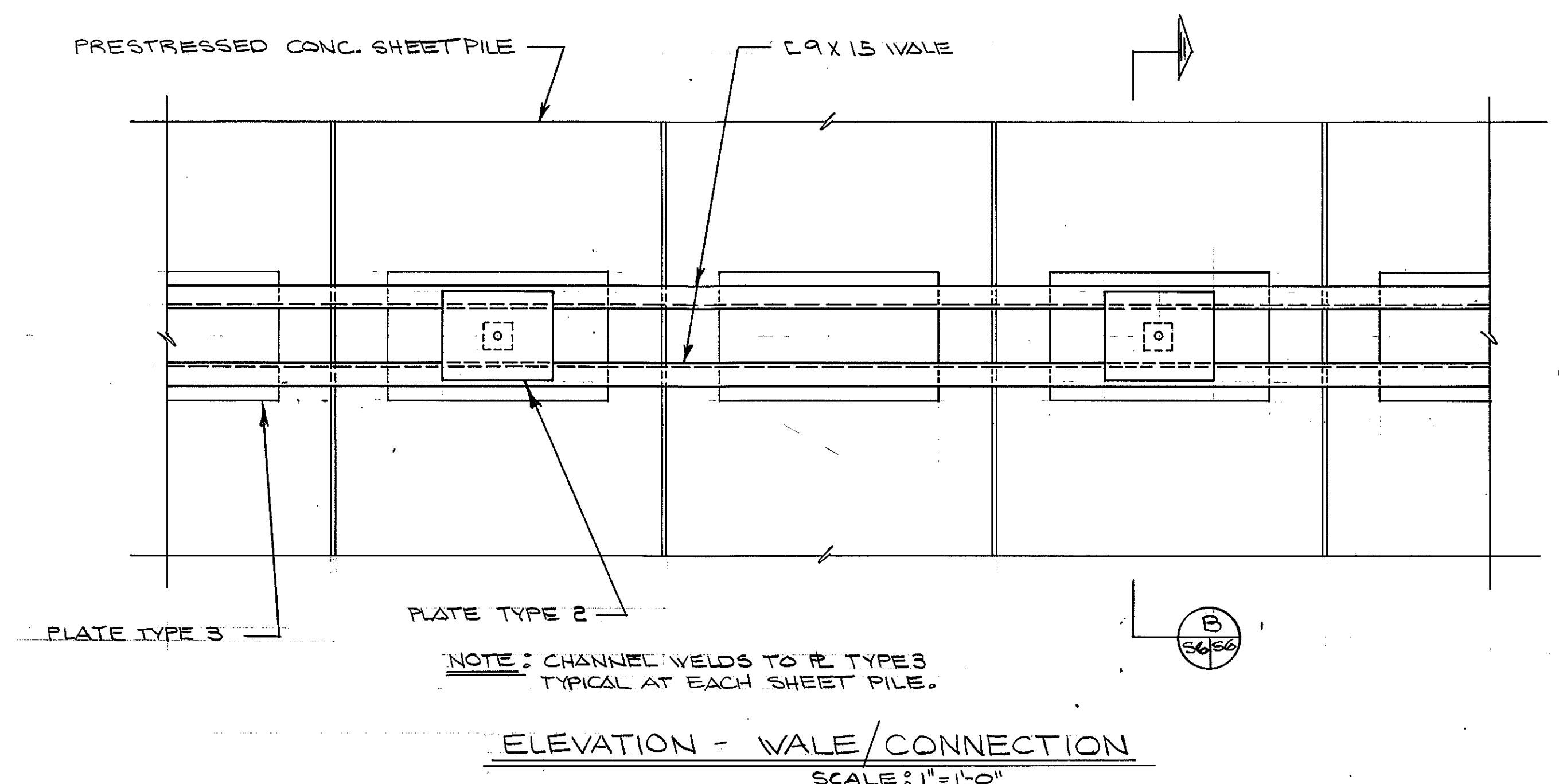


NOTE:
THIS LAYOUT PLAN APPLIES TO BOTH THE STEEL BULKHEAD & THE CONCRETE BULKHEAD. TIE ROD SPACING VARIES BETWEEN BULKHEAD TYPE. USE EITHER ALL CONCRETE OR ALL STEEL SHEETPILES, DO NOT MIX. REFER TO CIVIL DRAWINGS FOR PUMP HOUSE LOCATION AND TO SHEET S-16 FOR PUMP HOUSE DETAILS.

- NOTES:**
1. EPOXY COAT PRESTRESSED CONCRETE SHEET PILES AND THE INFILL CONCRETE (EXTERIOR FACES ONLY) FROM THE BOTTOM OF THE CONCRETE CAP TO ELEV. +4.0.
 2. EPOXY COAT THE MILD STEEL IN THE PRESTRESSED CONCRETE SHEET PILES, THE CONCRETE CAP, CONCRETE DEADMAN, AND THE INFILL CONCRETE.
 3. CONCRETE SHEET PILES SHALL BE DESIGNED TO RESIST A MAX. BENDING MOMENT OF 22 FT-KIPS.
 4. TIE RODS HAVE BEEN DESIGNED TO RESIST A TENSILE FORCE OF 23 KIPS.

NOTE: CONSTRUCTION JOINT SHALL BE 8"X4" AND SHALL OCCUR AT SHEET PILE JOINT LOCATIONS. MAX. SPACING OF JOINTS SHALL BE 30' O.C. & MIN. SPACING SHALL BE 2' O.C. CONSTRUCTION JOINTS SHALL OCCUR AT EACH BULKHEAD CORNER LOCATION.

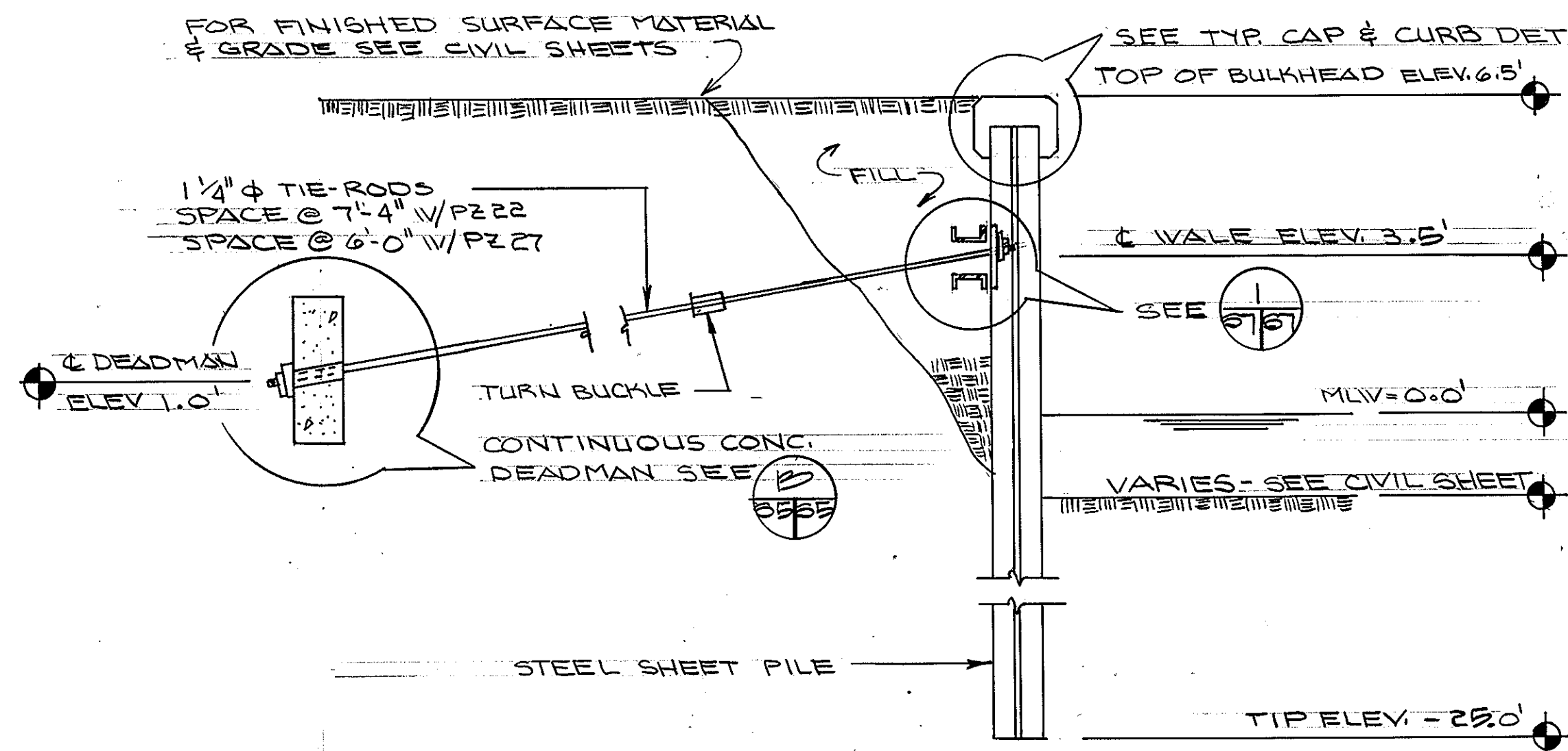
REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED BY:			U.S. COAST GUARD NORFOLK, VA 23510	
DRAWN BY:			FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED:			CIVIL ENGINEERING	
CHECKED:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
REVIEWED BY:			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			CONCRETE BULKHEAD	
REVIEWED BY:			SECTIONS & DETAILS	
APPROVED:			<i>M. J. [Signature]</i> 3/22/90	S-5
			CHIEF OF DIVISION	DATE
			DRAWING NUMBER	
			05-01-87	
			SCALE: NOTED	SHEET 62 OF 97



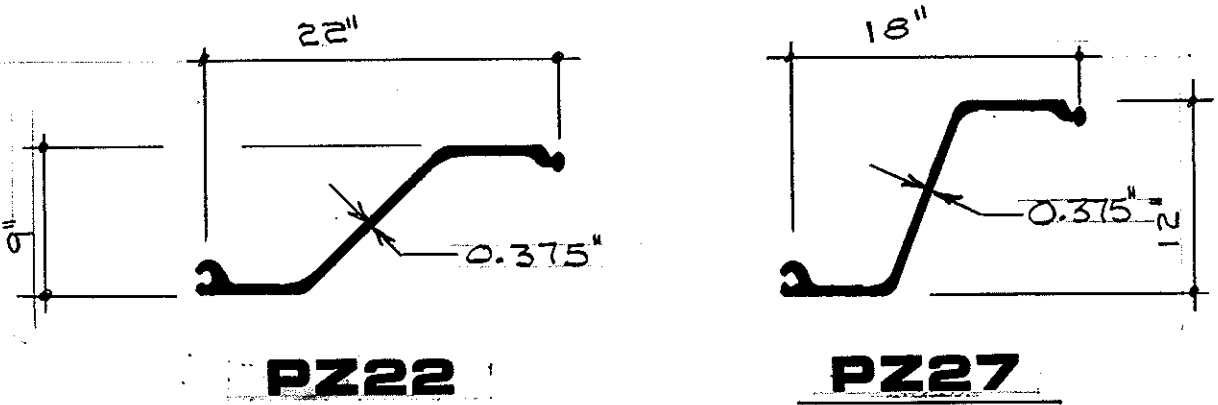
GRAPHIC SCALES

1/2" = 1'	0 1 2 3 4 5 6
1/4" = 1'	0 1 2 3 4 5 6 7 8 9 10 11 12
1" = 1'-0"	0 1 2 3 4 5 6 7 8 9 10 11 12

REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:	DPC		U.S. COAST GUARD NORFOLK, VA 23510	
DRAWN:	LEJ		FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED:			CIVIL ENGINEERING	
CHECKED:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
REVIEWED BY:			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			CONCRETE BULKHEAD	
REVIEWED BY:			DETAILS & SECTIONS	
REVIEWED BY:			APPROVED: <i>M.W. Sperry</i> 3/22/90	S-6
			DATE	
			CHIEF OF DIVISION	
			DRAWING NUMBER	
			05-01-87	
			SCALE: NOTED	SHEET 63 OF 97



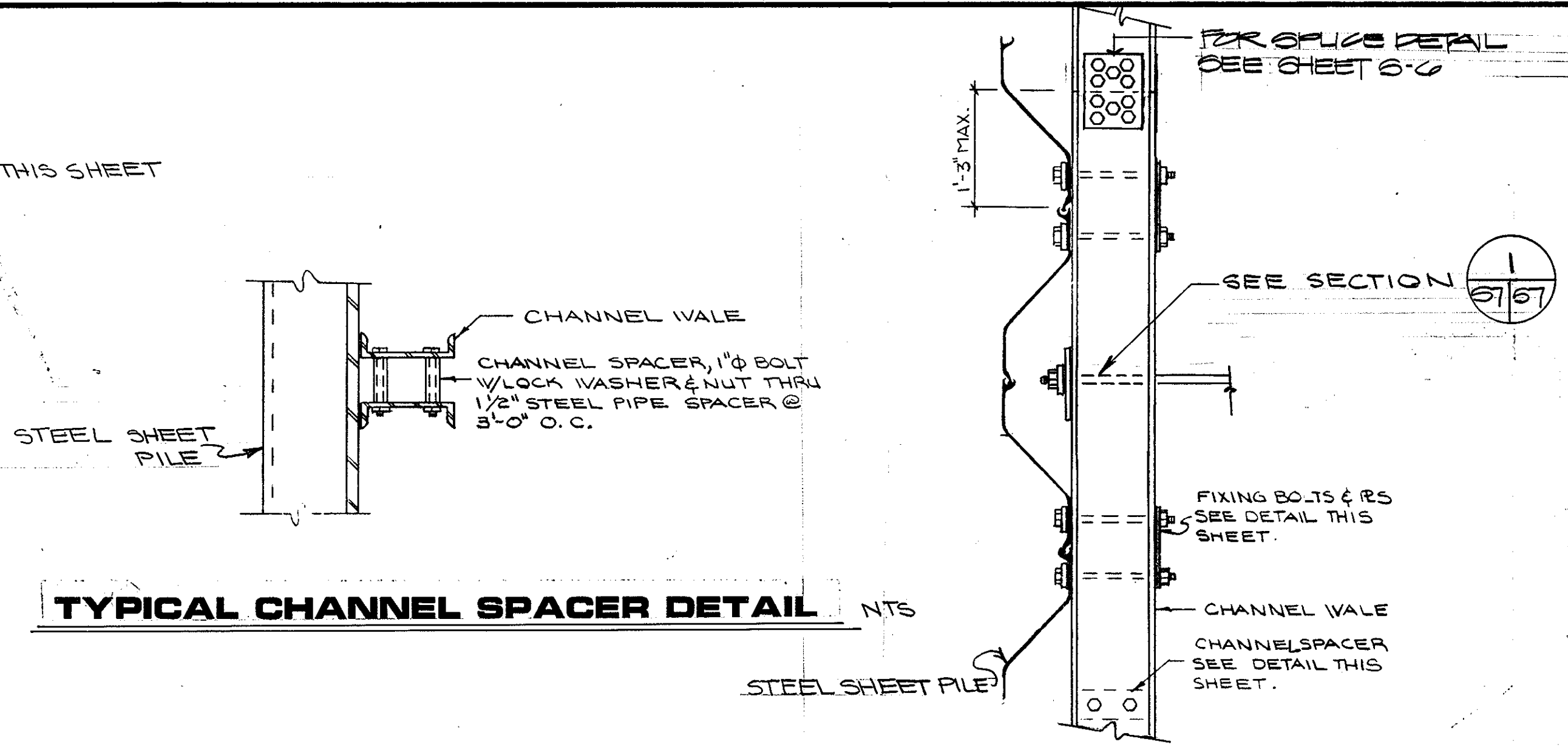
NOTES: EPOXY COAT THE OUTSIDE FACE OF STEEL SHEET PILING FROM THEIR TOP EDGE DOWN TO - 4.0' ELEV.



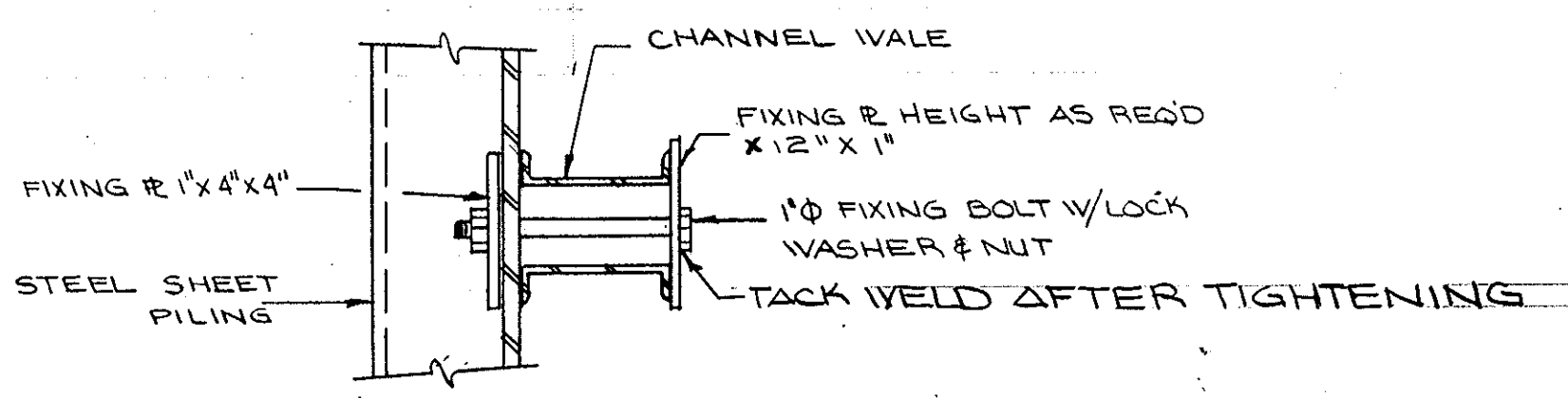
SHEETPILE PROPERTIES		
SECTION DESIGNATION	NOMINAL WIDTH, IN.	MOMENT OF INERTIA, IN ⁴
PZ-22	22"	154.7
PZ-27	18"	276.3

NOTES: STEEL SHEETPILE BULKHEAD CORNERS SHALL BE STANDARD PRE-FABRICATED CORNERS.

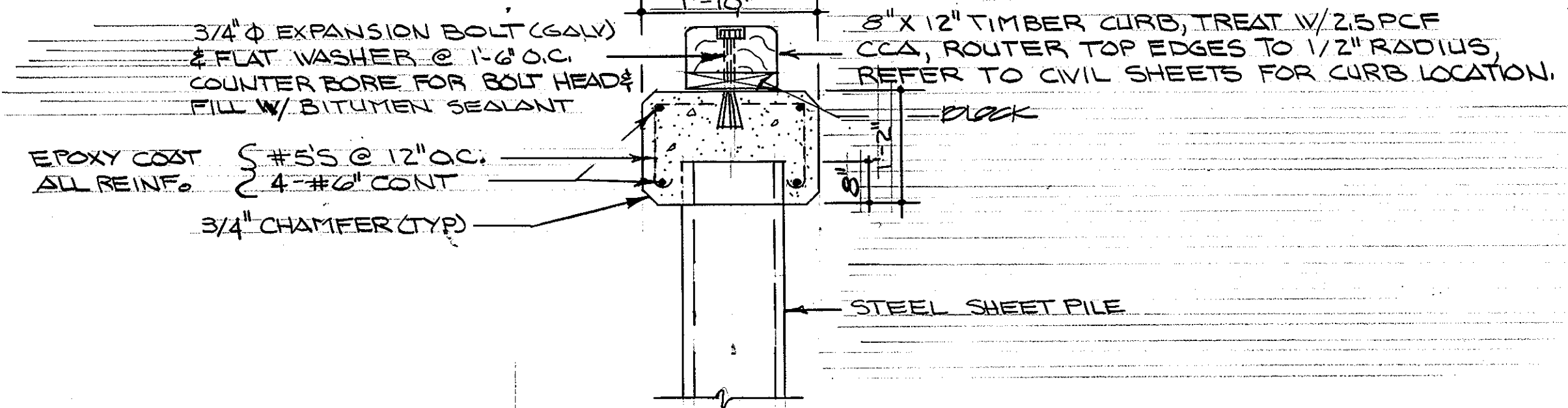
SPECIAL NOTE: EPOXY COAT ALL MISS STEEL REINF.



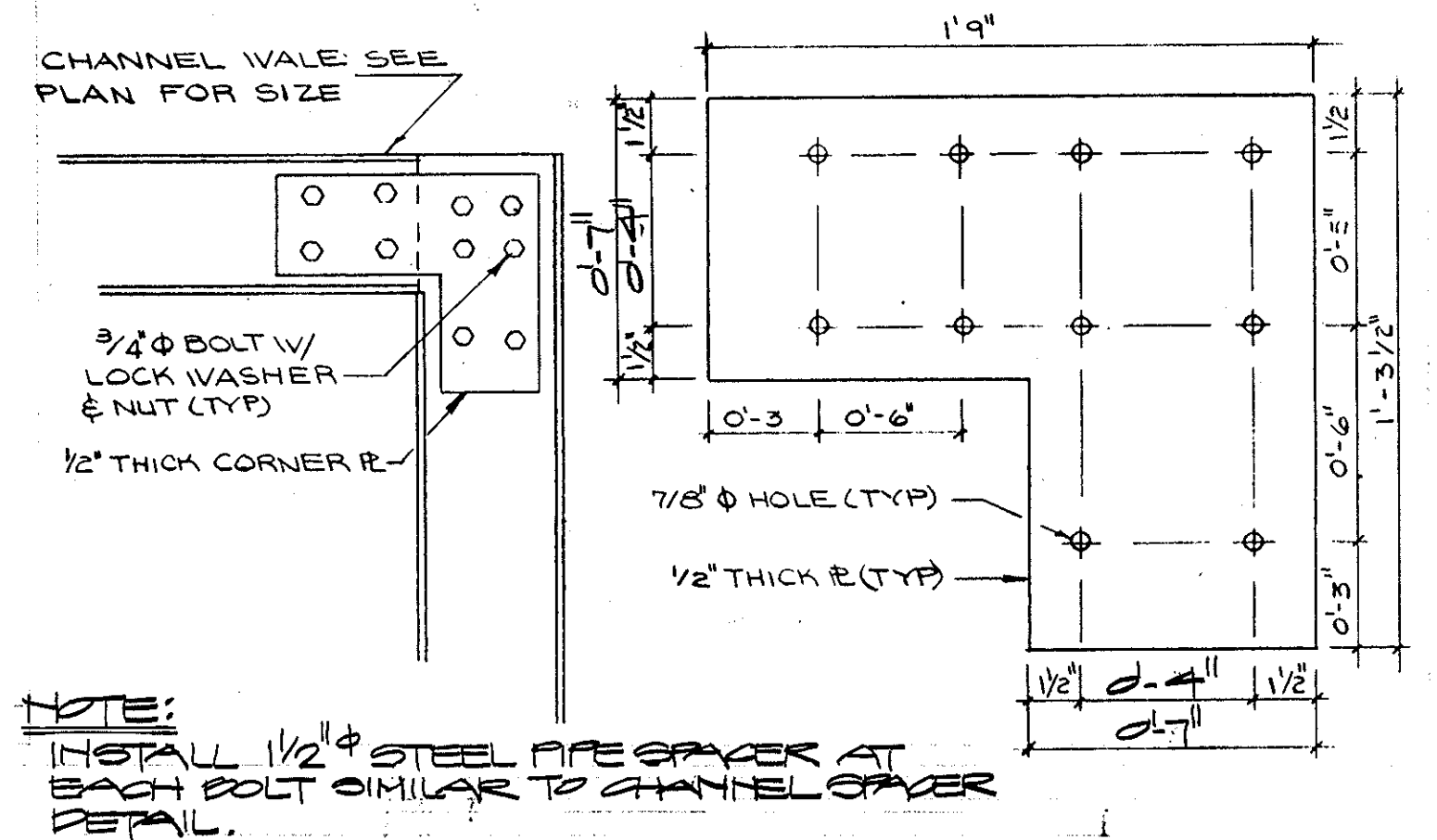
TYPICAL CHANNEL SPACER DETAIL NTS



TYPICAL FIXING BOLT DETAIL NTS

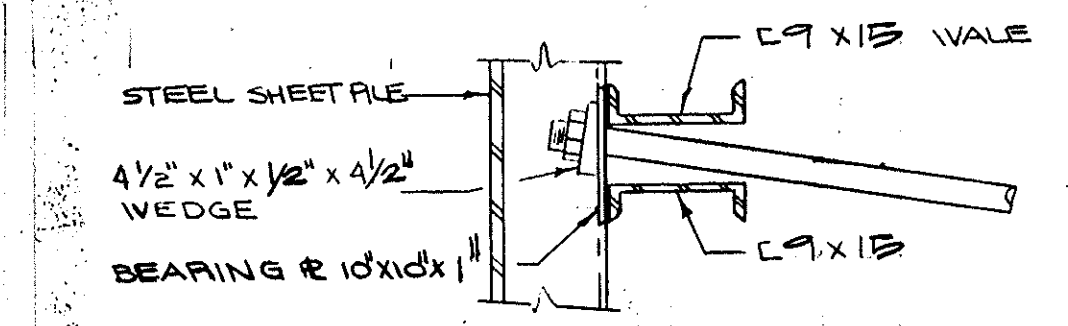


TYPICAL CAP & CURB DETAIL NTS

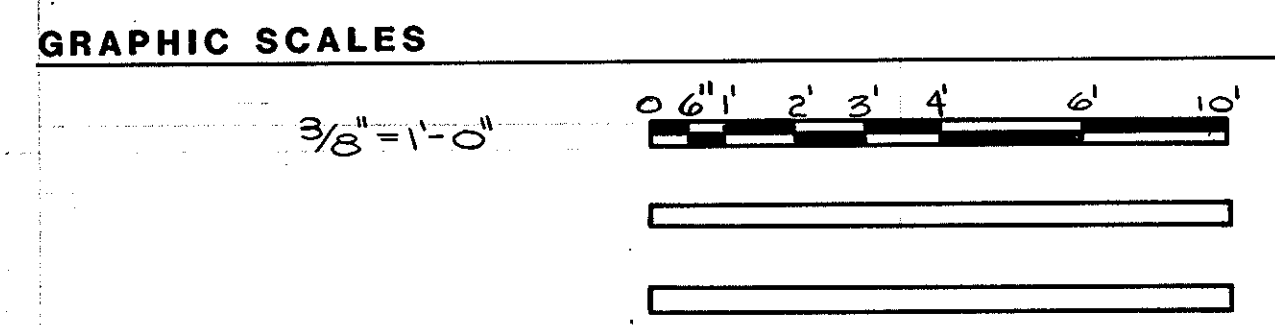


TYPICAL WALE CORNER SPLICE PLATE DETAIL NTS

TYPICAL WALE DETAIL NTS

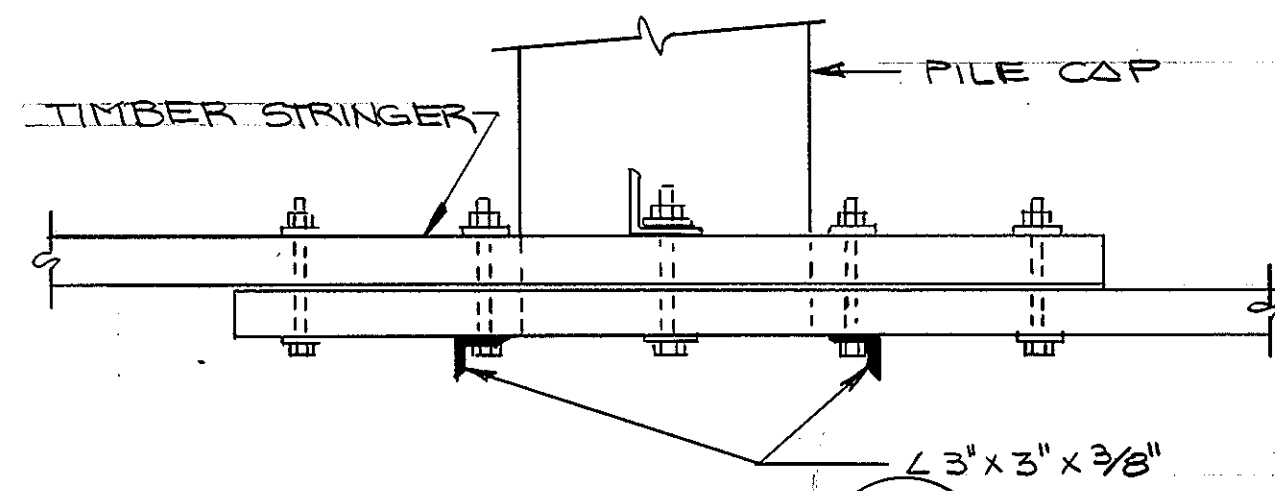


SECTION 5757 N.T.S.



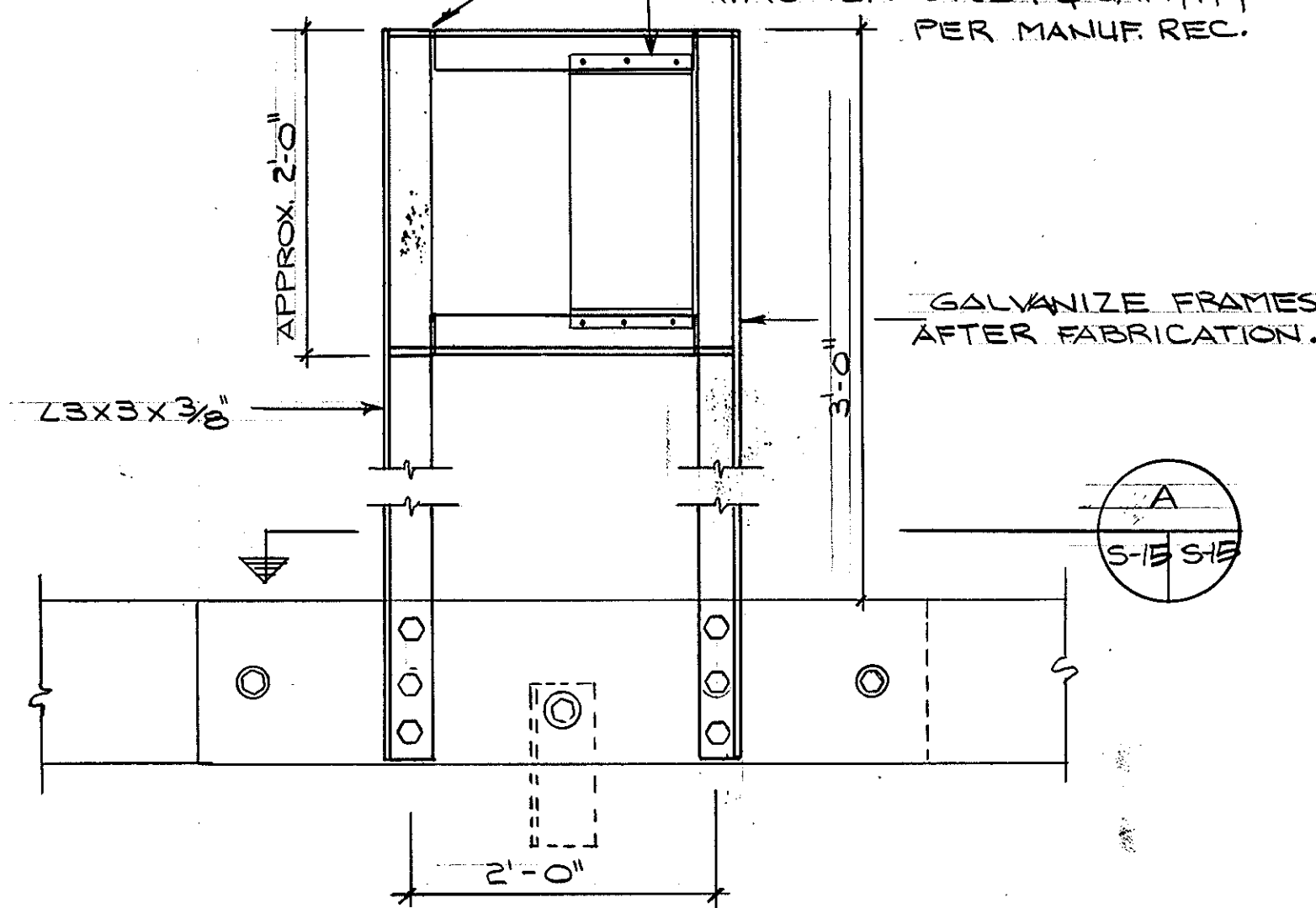
REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:	DPC		U.S. COAST GUARD NORFOLK, VA 23513	
DRAWN:	DPC		FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED:			CIVIL ENGINEERING	
CHECKED:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
REVIEWED BY:			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			STEEL BULKHEAD SECTIONS & DETAILS	
REVIEWED BY:			APPROVED: <i>M.W. Sperry</i> 3-22-90	S-7
			CHIEF OF DIVISION	DATE
				DRAWING NUMBER
				05-01-87
				SCALE: NOTED SHEET 04 OF 97

NOTES REFER TO "TYPICAL STRINGER LAP DETAIL" FOR NOTES AND DIMENSIONS NOT SHOWN.



SECTION A

COPE FLANGE OF ANGLE & WELD ALL JOINTS
BOLT ELEC. RECEPT TO FRAME W/ S.S. BOLT, NUT & WASHER. SIZE & QUANTITY PER MANUF. REC.

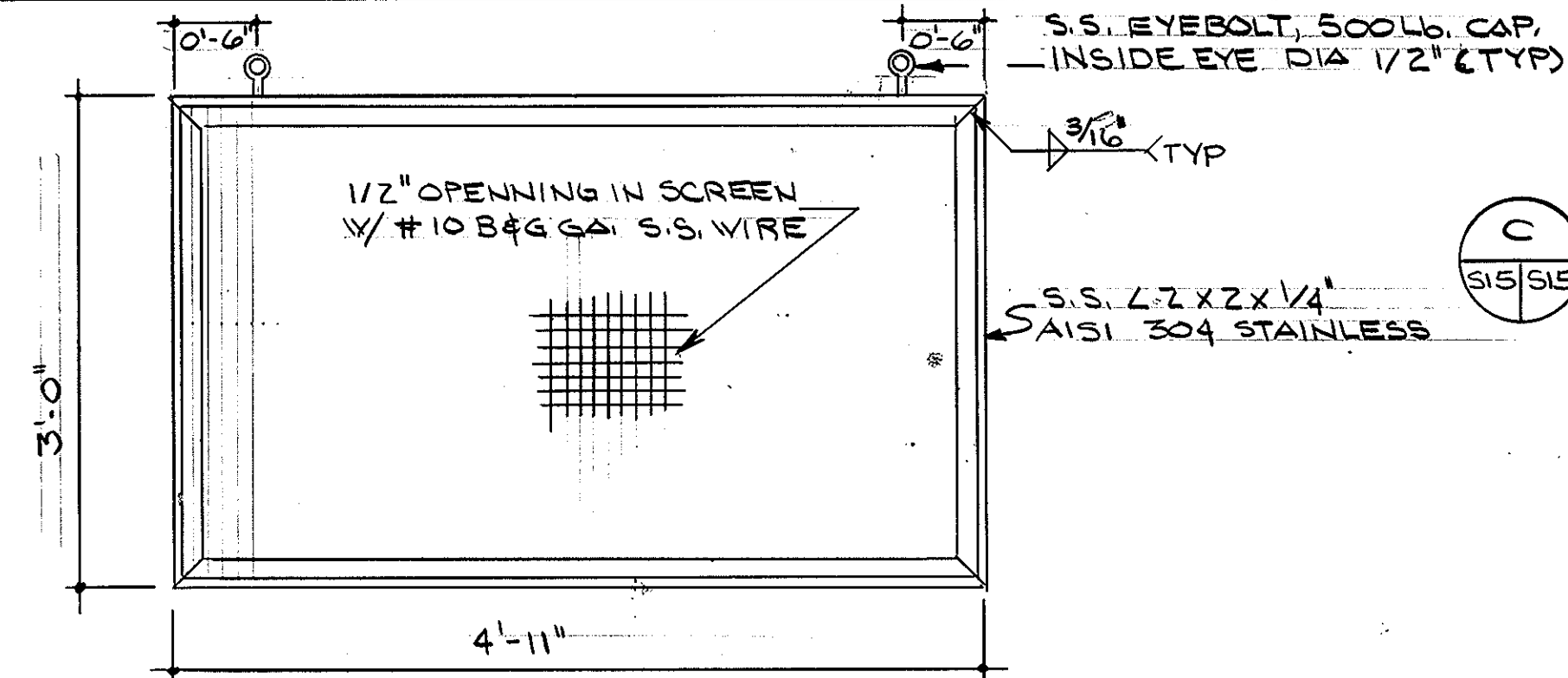


ELEVATION

TYPICAL SHORE TIE

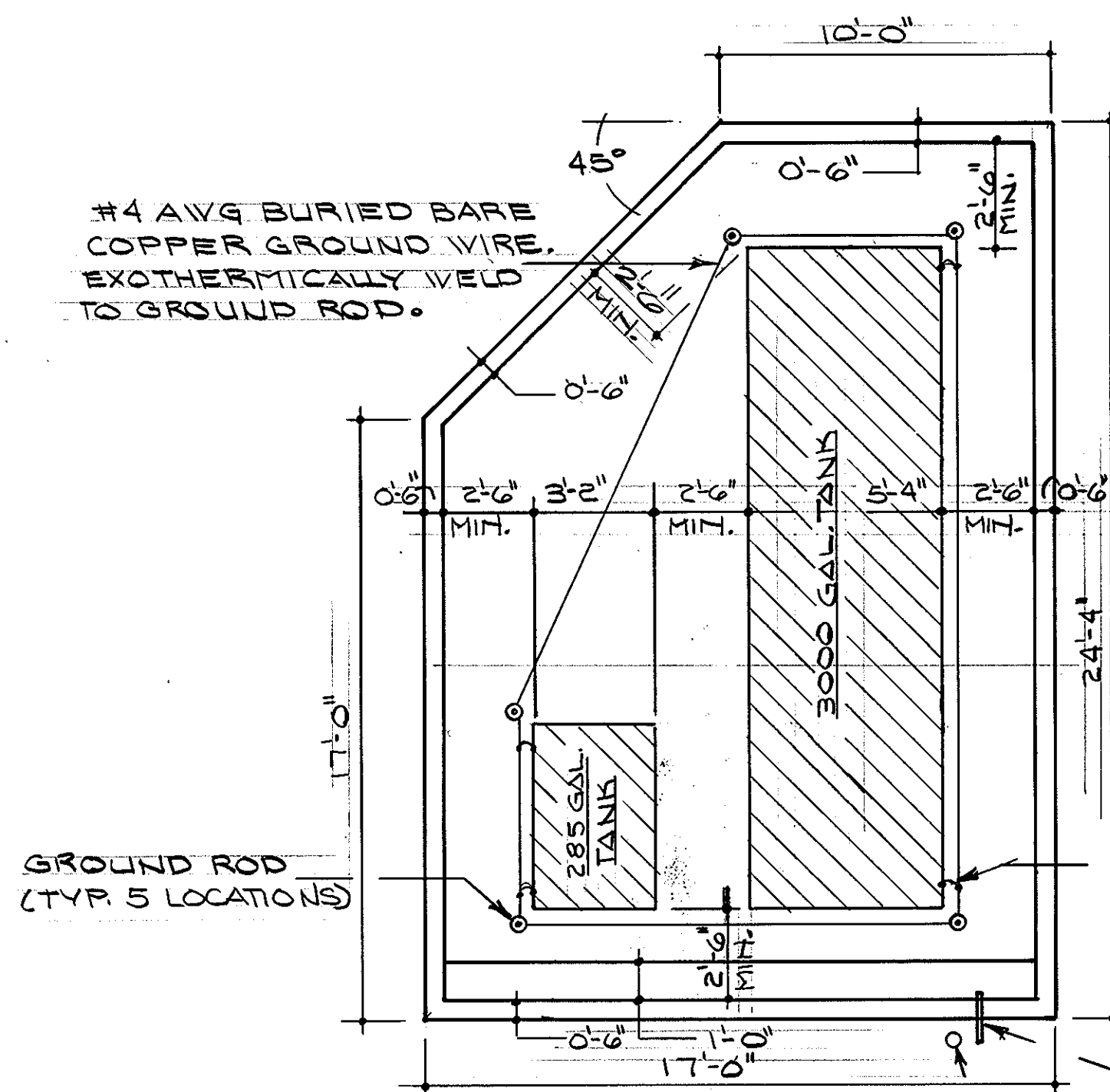
SUPPORT DETAIL

SCALE: 1" = 1'-0"



TYPICAL SCREEN ELEV.

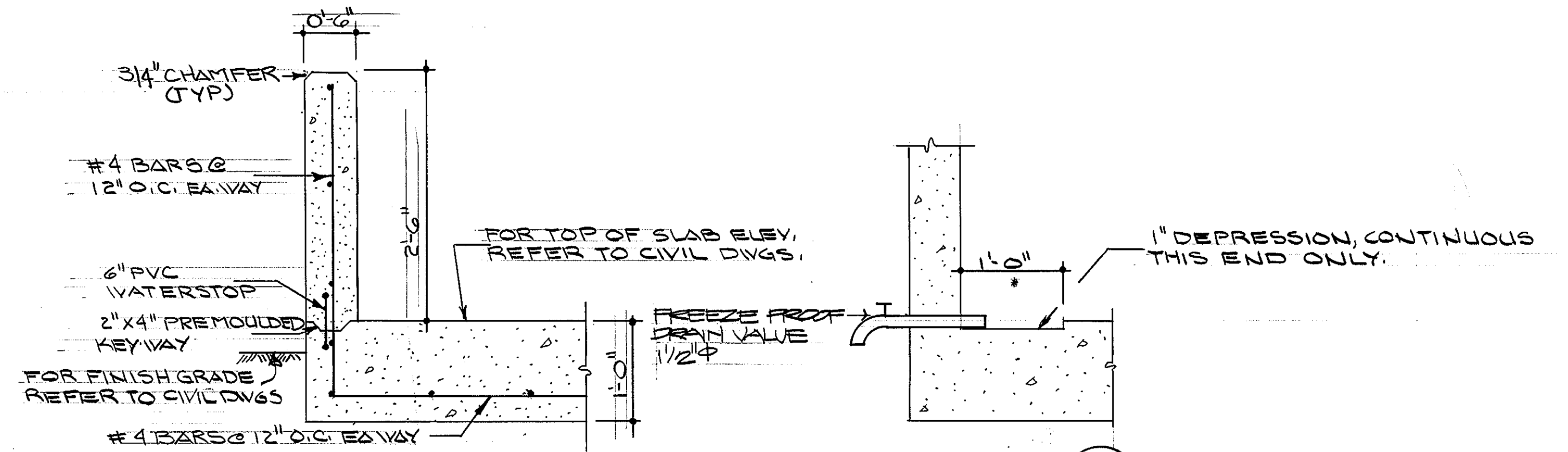
SCALE: 1" = 1'-0"



PLAN VIEW

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

NOTE: THE CONTRACTOR SHALL ENSURE 2'-0" MIN. CLEAR AROUND TANKS ARE PROVIDED. CONTAINMENT MAY BE ENLARGED TO ACCOMMODATE.



TYPICAL SECTION

SCALE: 1" = 1'-0"

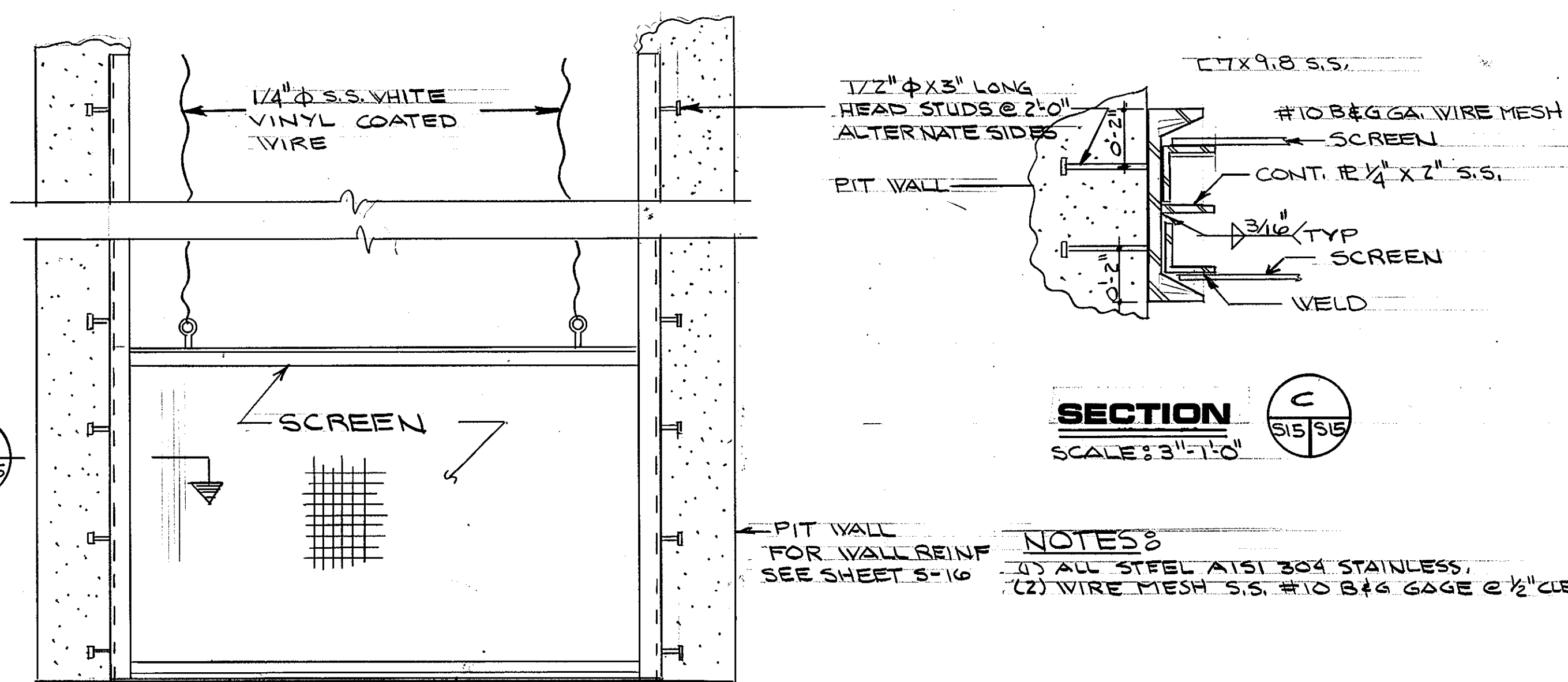
SECTION B

SCALE: 1" = 1'-0"

#4 BARE COPPER GROUND STRAP TO TANK, EXOTHERMICALLY WELD TO TANK AND GROUND WIRE (TYP).

SEE SECTION B
6" PIPE BOLLARD REFER TO CIVIL DRWG. FOR DETAIL

FUEL CONTAINMENT DETAILS



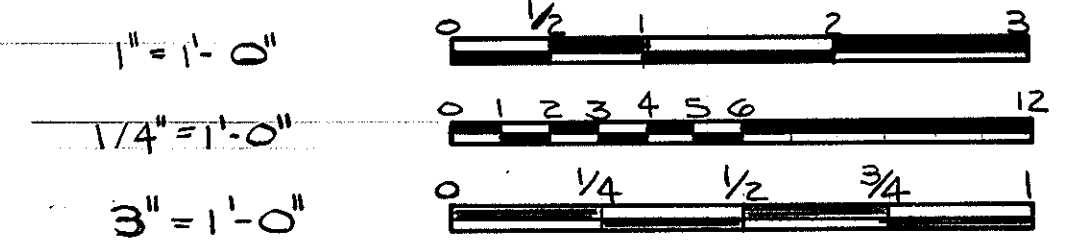
TYPICAL FRAMING ELEV.

SCALE: 1" = 1'-0"

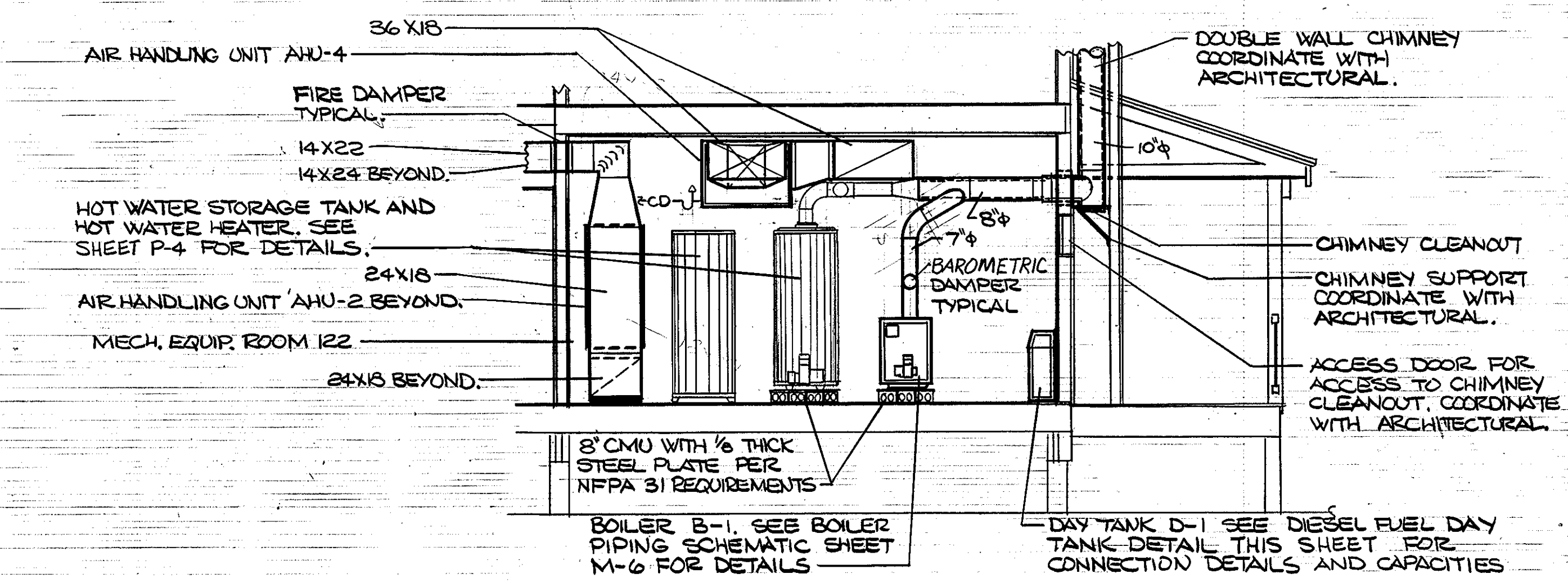
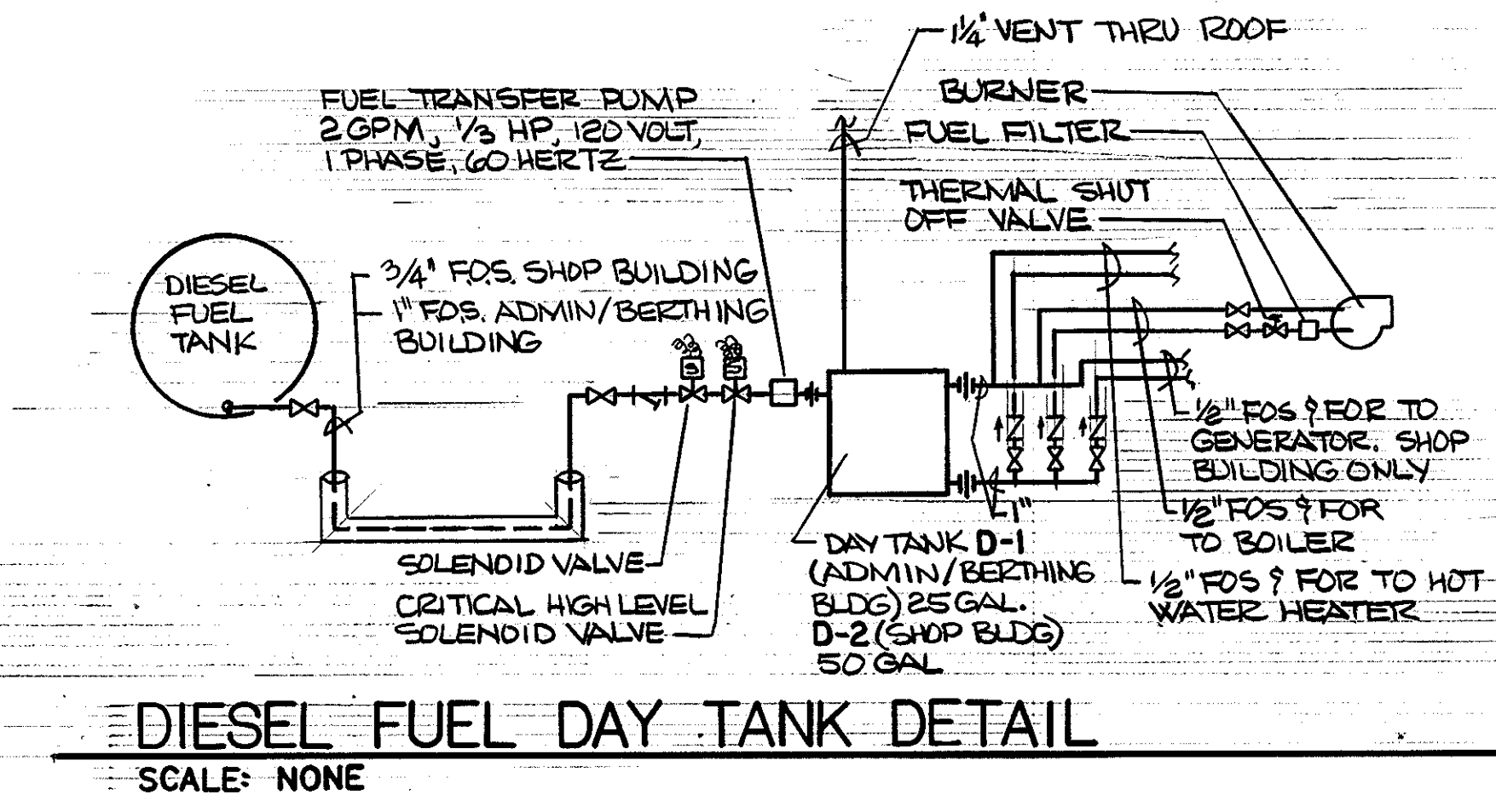
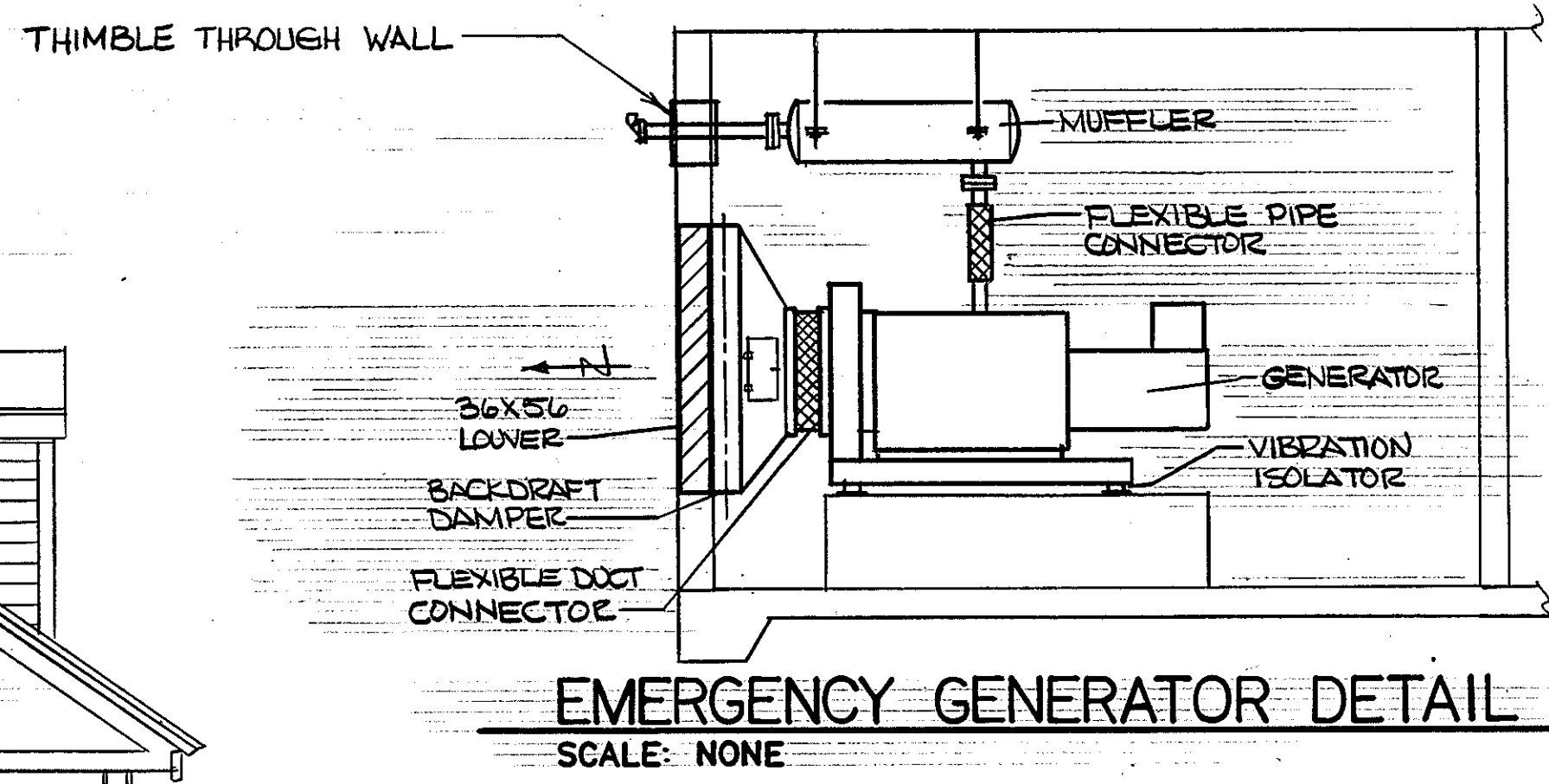
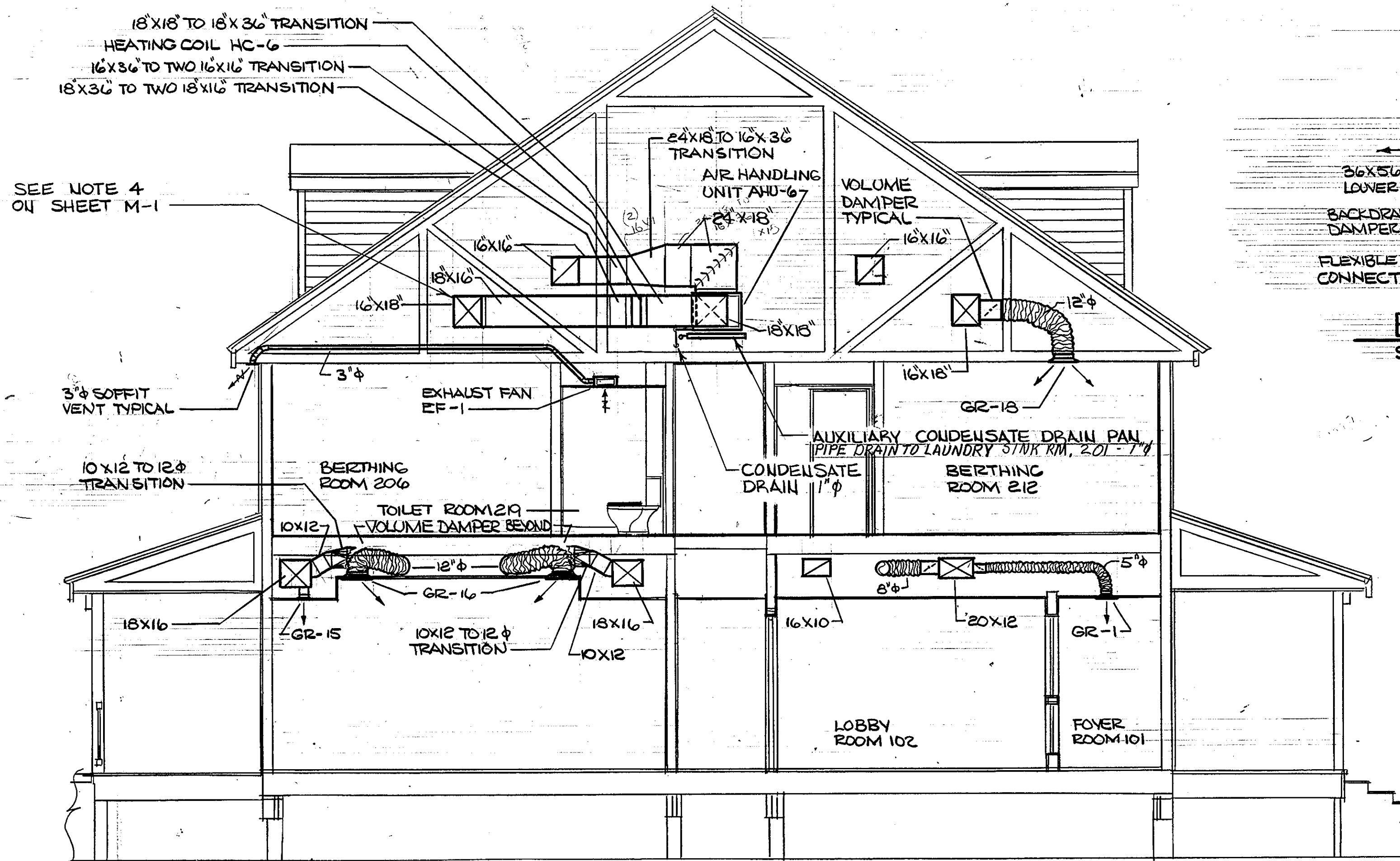
NOTES:

- (1) ALL STEEL AT S1 304 STAINLESS.
- (2) WIRE MESH S.S. #10 B&G GAGE @ 1/2" CLEAR SPACING.

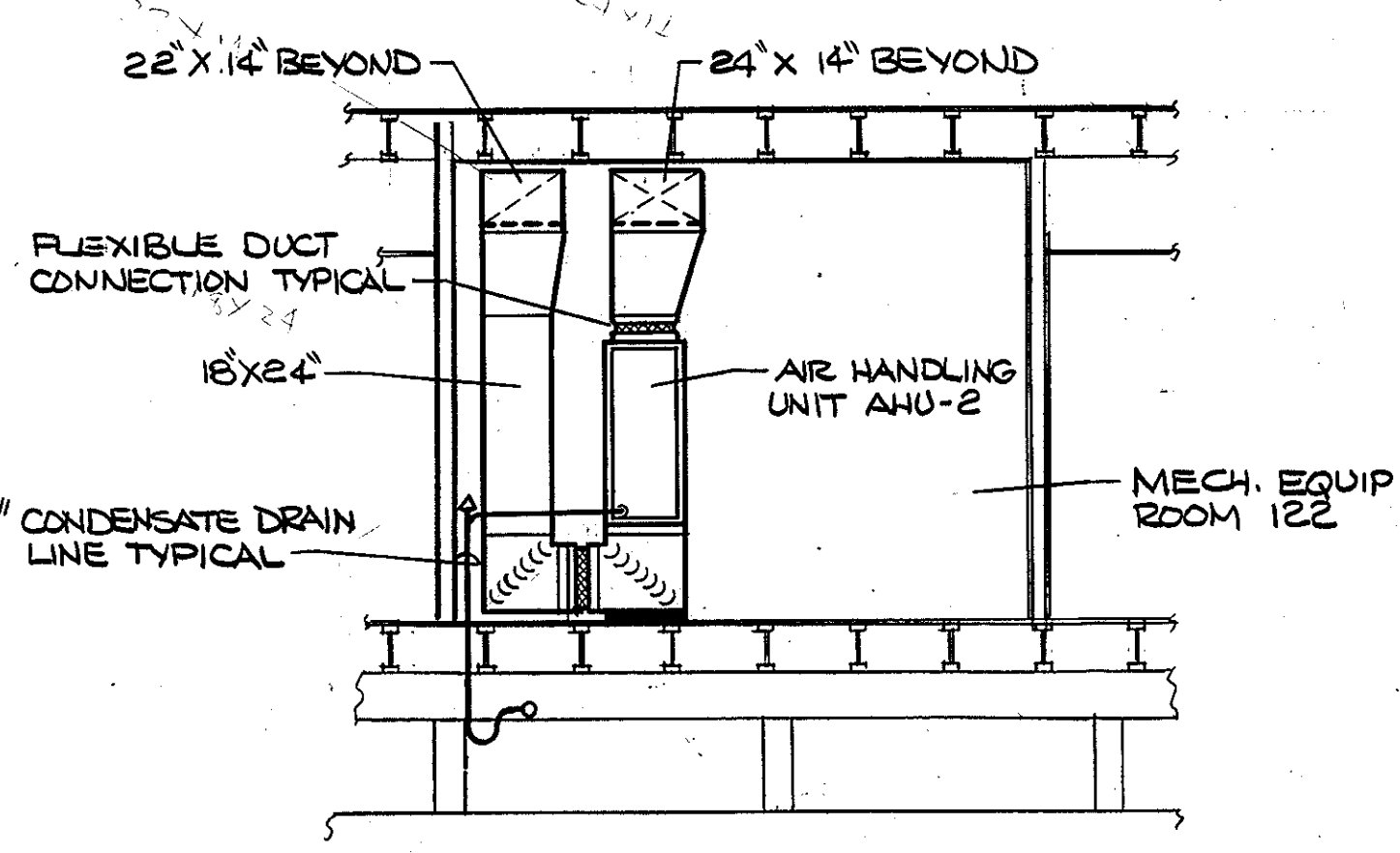
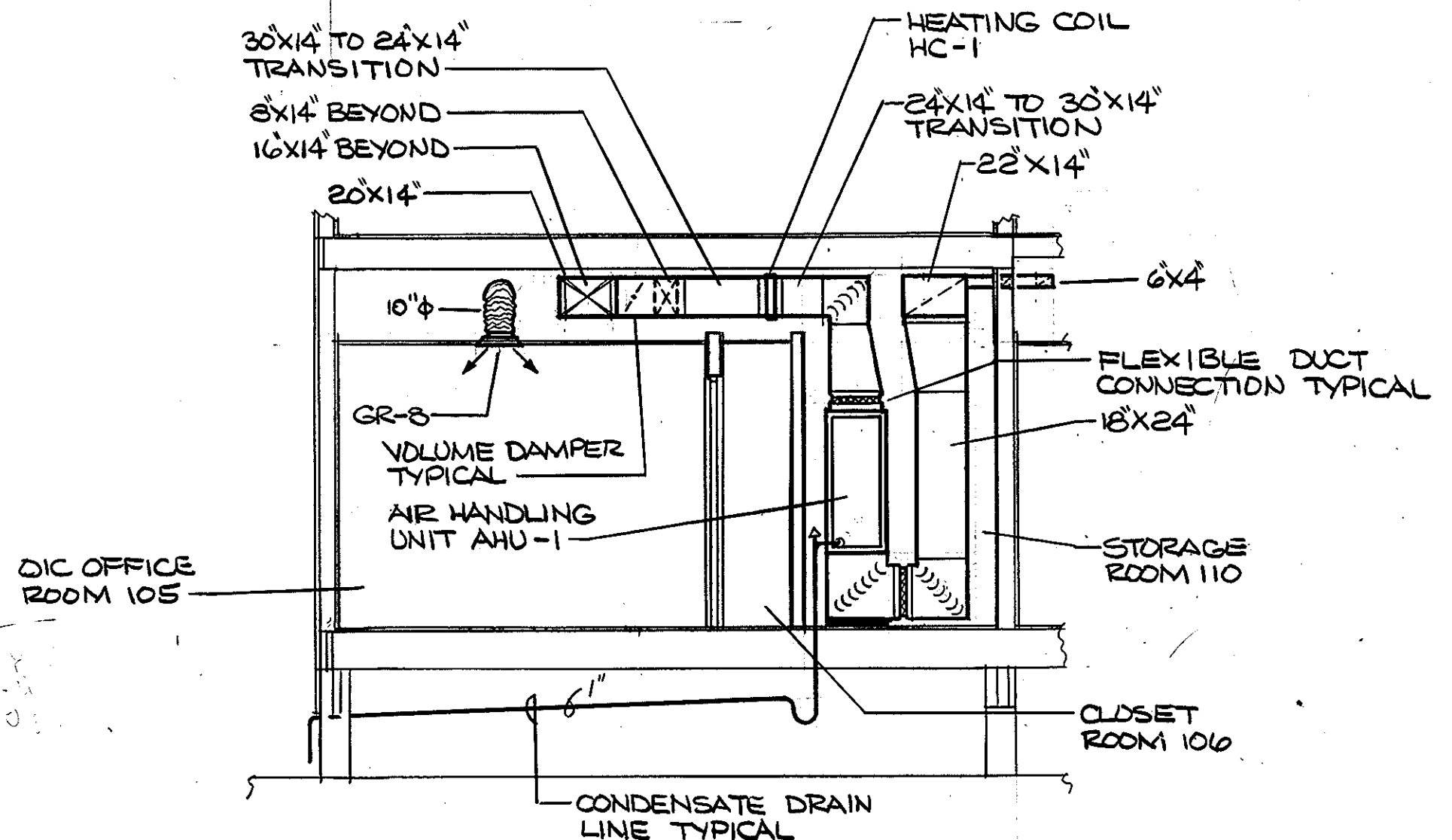
GRAPHIC SCALES



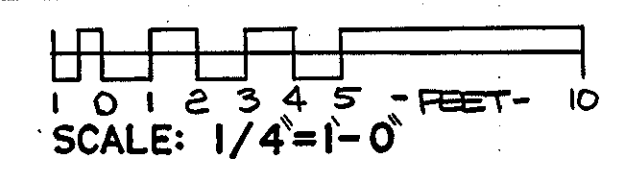
REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:			U.S. COAST GUARD NORFOLK, VA 23513	
DRAWN:			FACILITIES DESIGN & CONSTRUCTION CENTER	
CHECKED:			CIVIL ENGINEERING	
REVIEWED BY:			MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
REVIEWED BY:			BODIE ISLAND, NORTH CAROLINA	
REVIEWED BY:			MISC. SECTIONS & DETAILS	
REVIEWED BY:			APPROVED: <i>[Signature]</i> 3/22/90	S-15
			CHIEF OF DIVISION	DATE
			DRAWING NUMBER	
			05-01-87	
			SCALE: NOTED	SHEET 72 OF 97



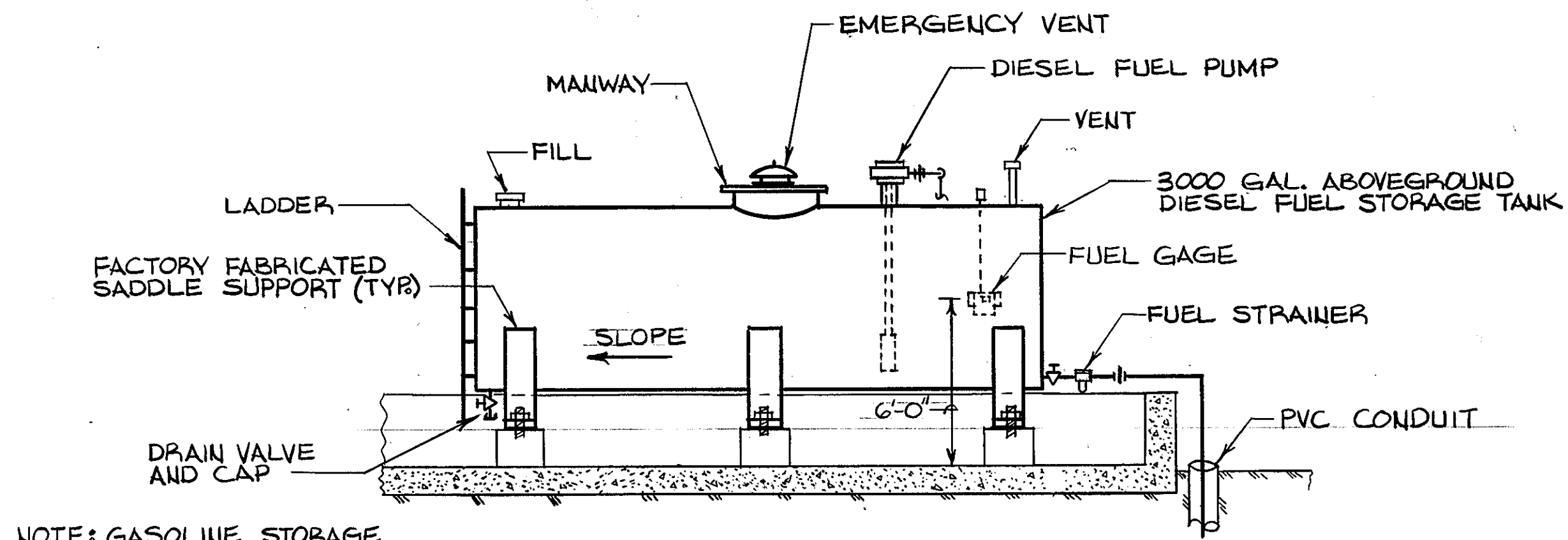
SECTION A
SCALE: 1/4"=1'-0"



GRAPHIC SCALES



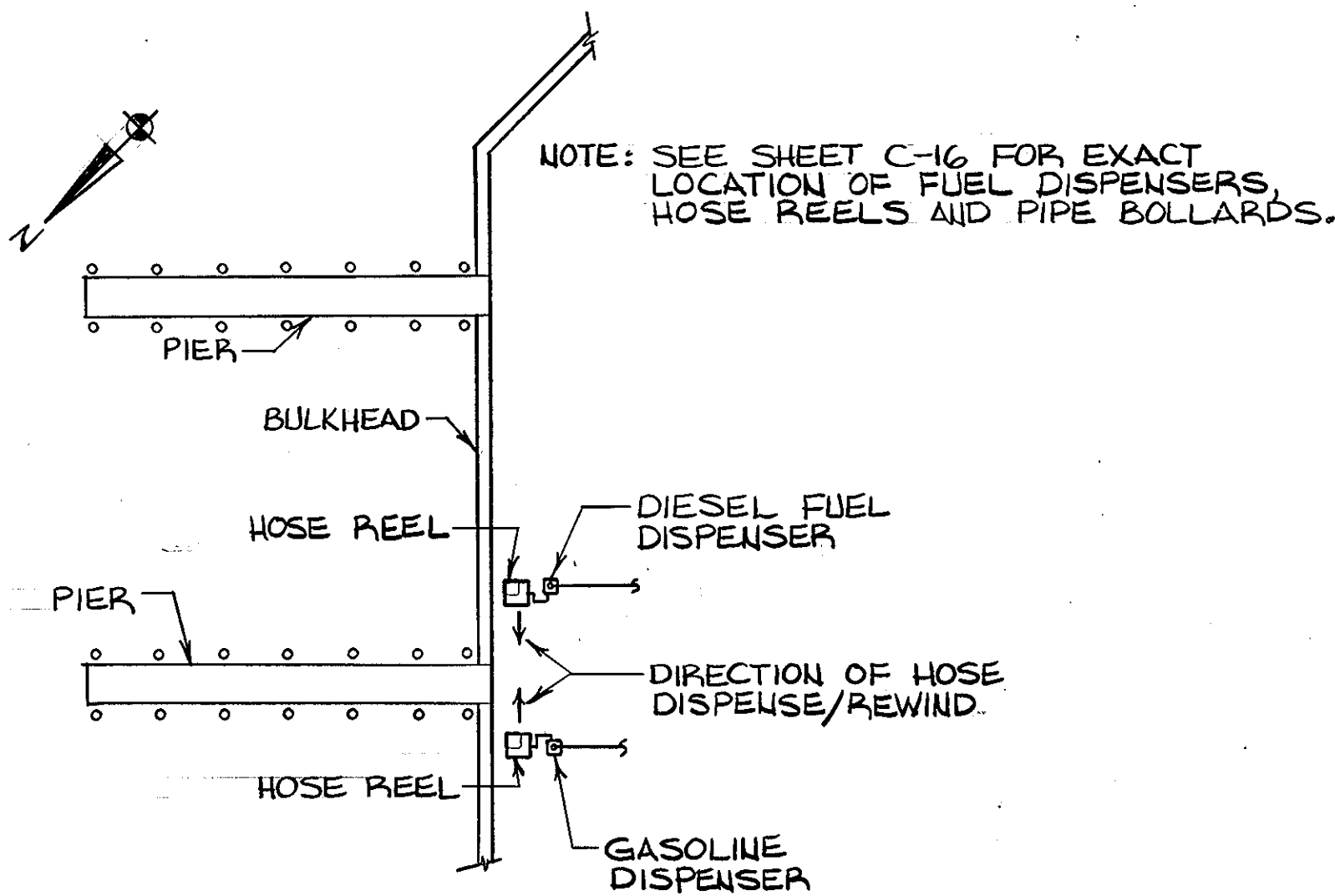
REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED: E. ESKINE JOHNSON		U.S. COAST GUARD NORFOLK, VA 23513		
DRAWN: RST		FACILITIES DESIGN & CONSTRUCTION CENTER		
TRACED:		CIVIL ENGINEERING		
CHECKED: JRB		MULTI-MISSION STATION		
REVIEWED BY:		OREGON INLET		
PROJ. RSR		BODIE ISLAND, N.C.		
REVIEWED BY:		ADMIN BERTHING BUILDING		
BRANCH CHIEF		SECTIONS		
REVIEWED BY:		APPROVED: <i>m.w. Jones</i>	DATE: 3-22-90	M-4
		DRAWING NUMBER		
		05-01*87		
		SCALE: NOTED	SHEET 77 OF 97	



NOTE: GASOLINE STORAGE TANK SIMILAR

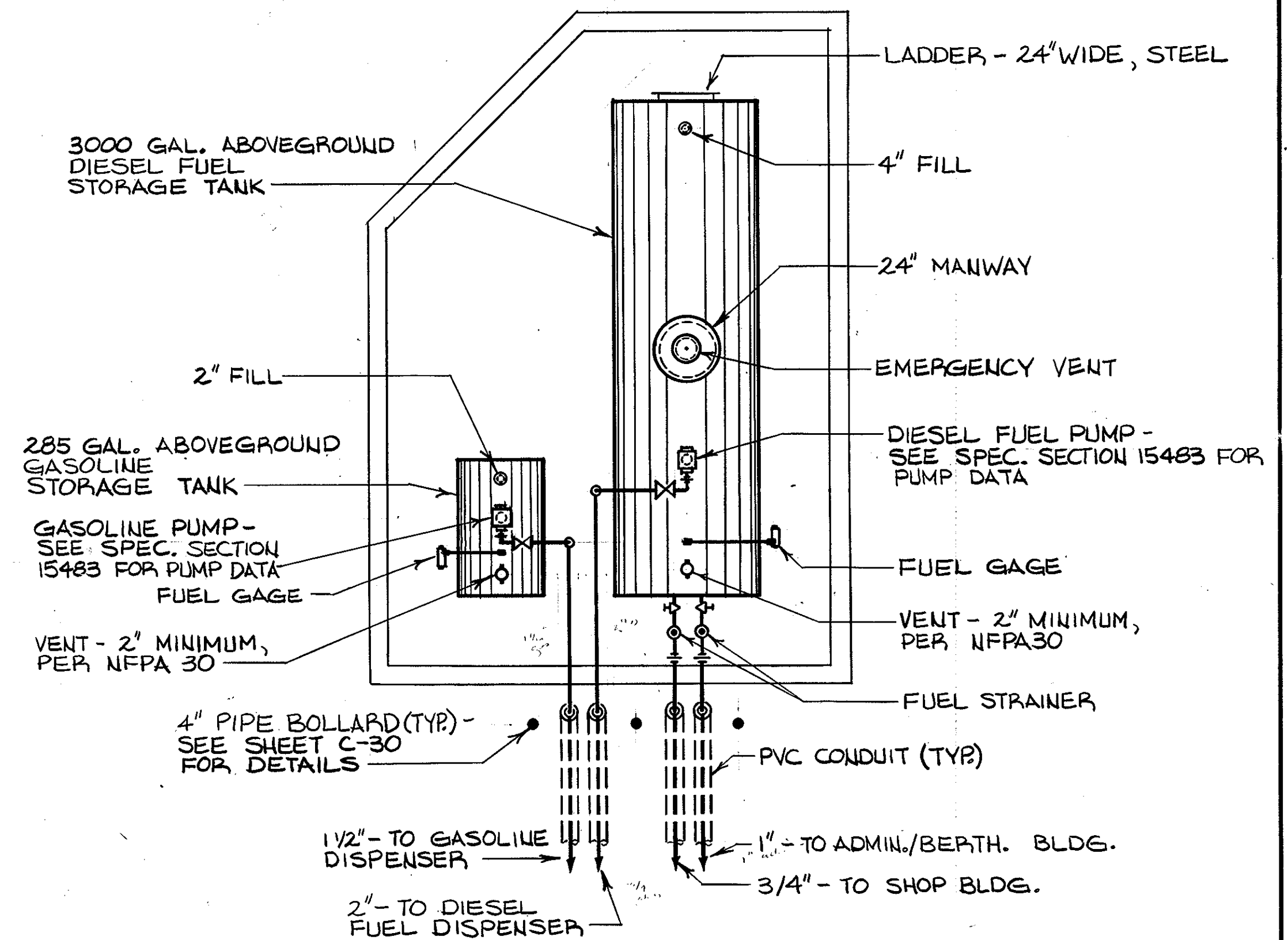
FUEL TANK ELEVATION

SCALE: NONE



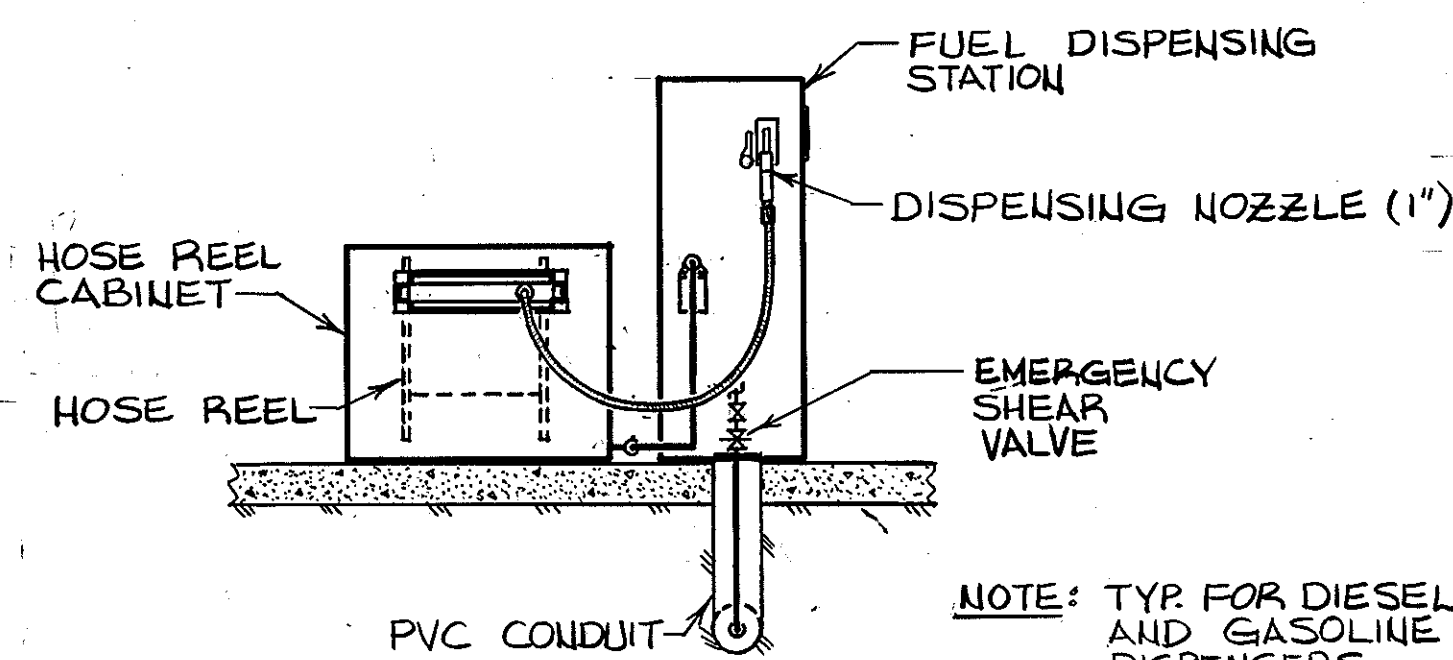
FUEL DISPENSER/HOSE REEL ORIENTATION PLAN

NOT TO SCALE



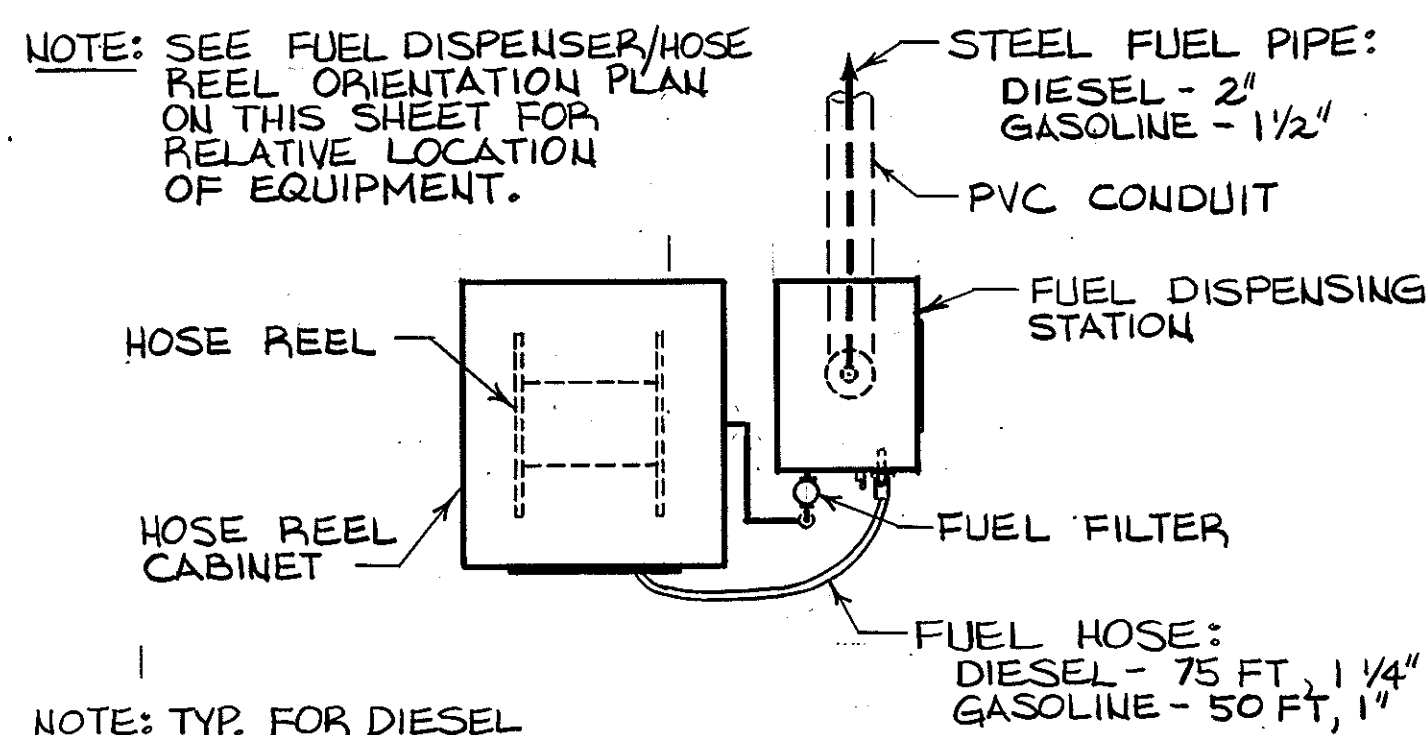
FUEL TANK LAYOUT PLAN

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



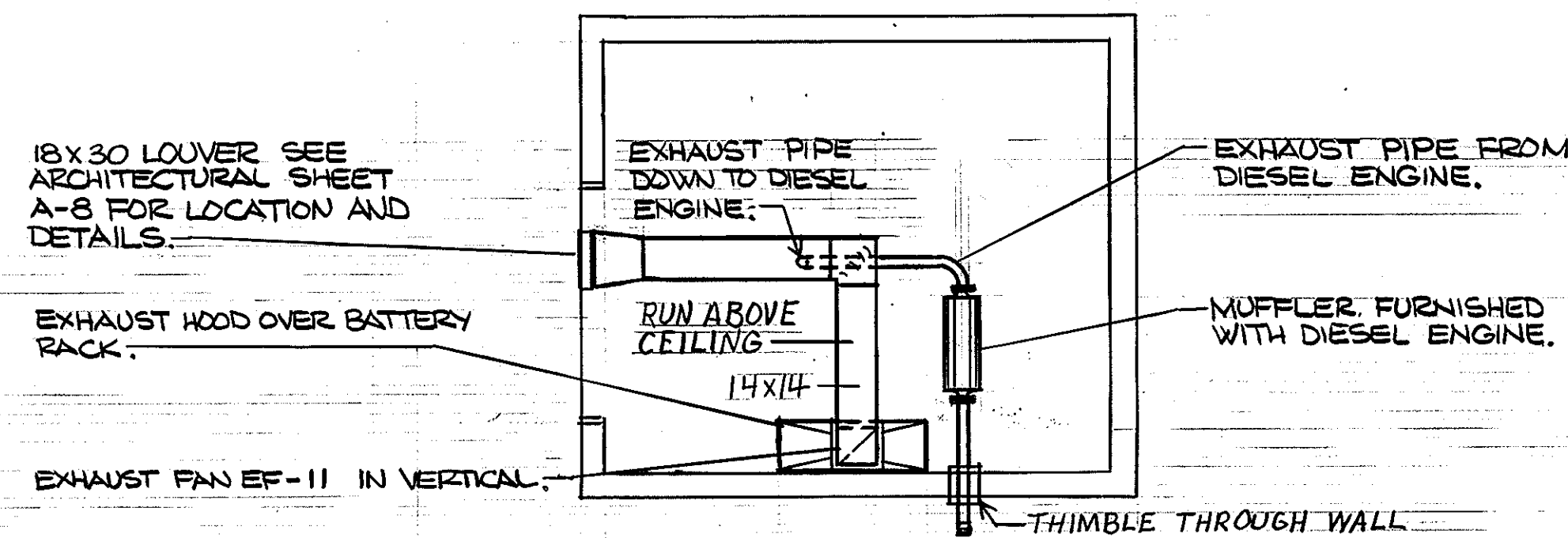
FUEL DISPENSER ELEVATION

SCALE: NONE



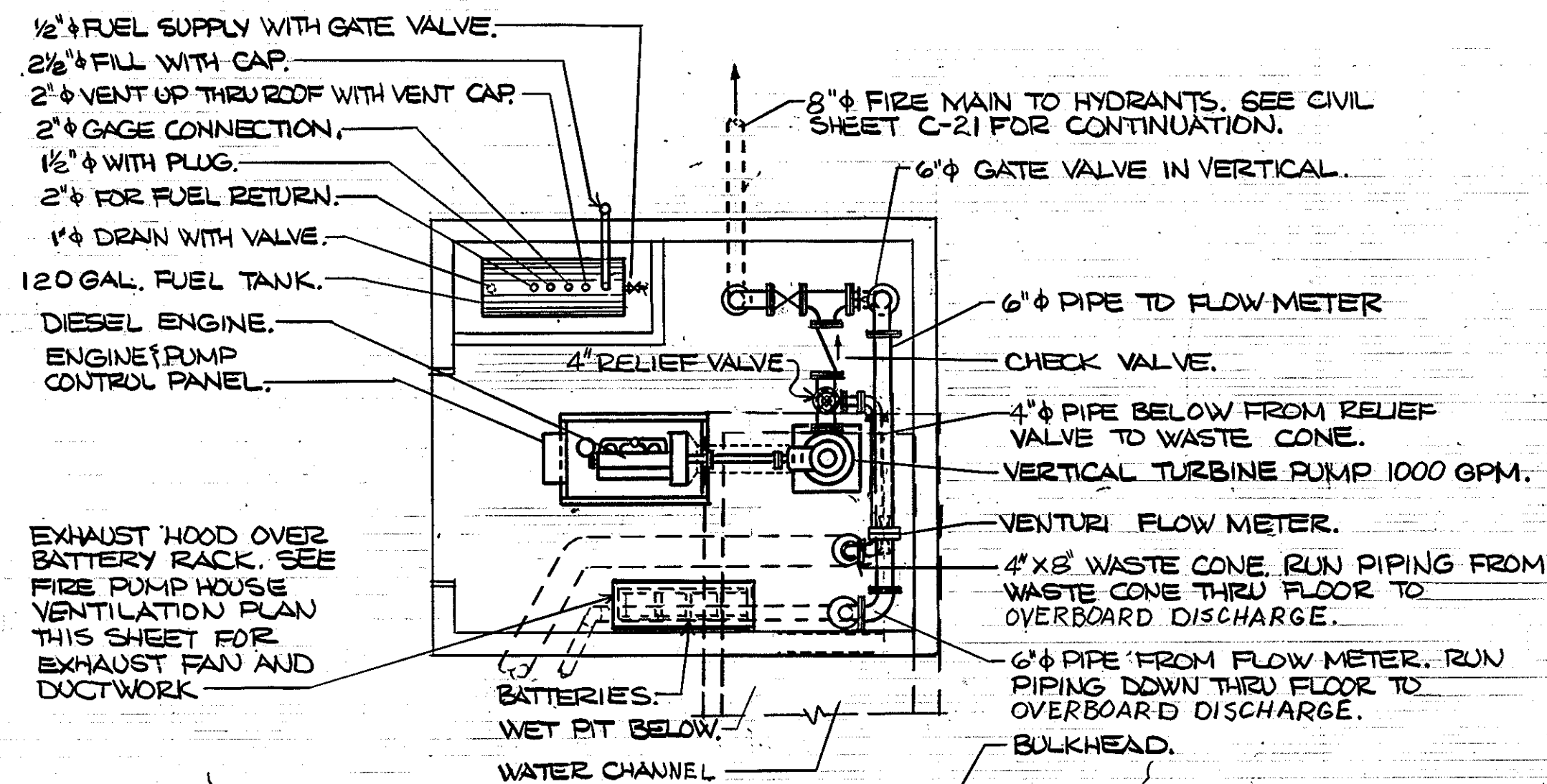
FUEL DISPENSER PLAN

SCALE: NONE



FIRE PUMP HOUSE VENTILATION PLAN

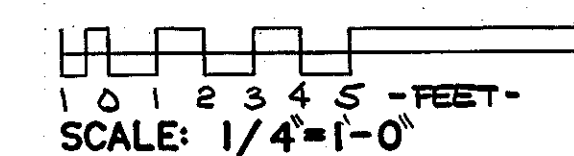
SCALE: 1/4"=1'-0"



FIRE PUMP HOUSE PIPING PLAN

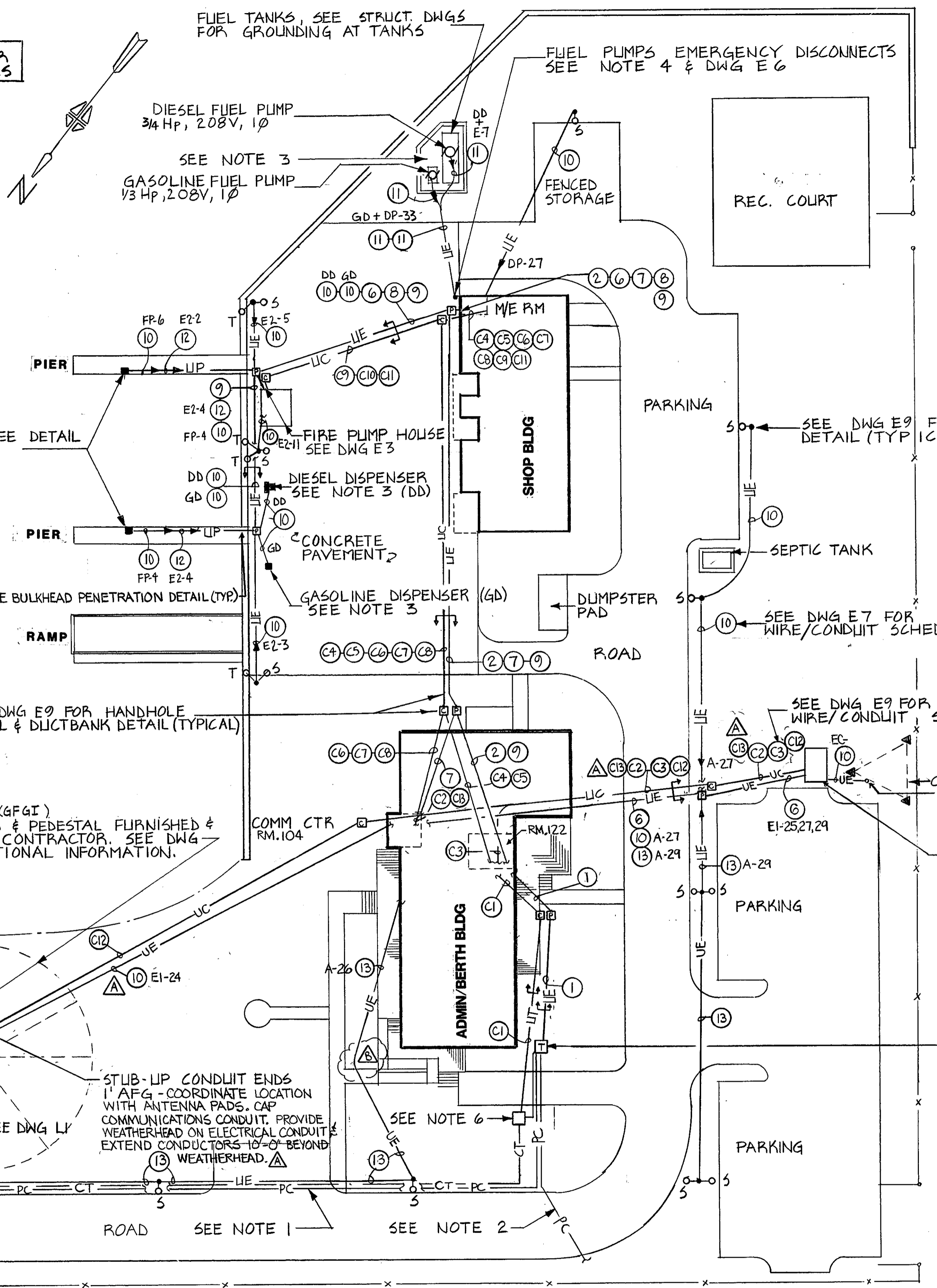
SCALE: 1/4"=1'-0"

GRAPHIC SCALES

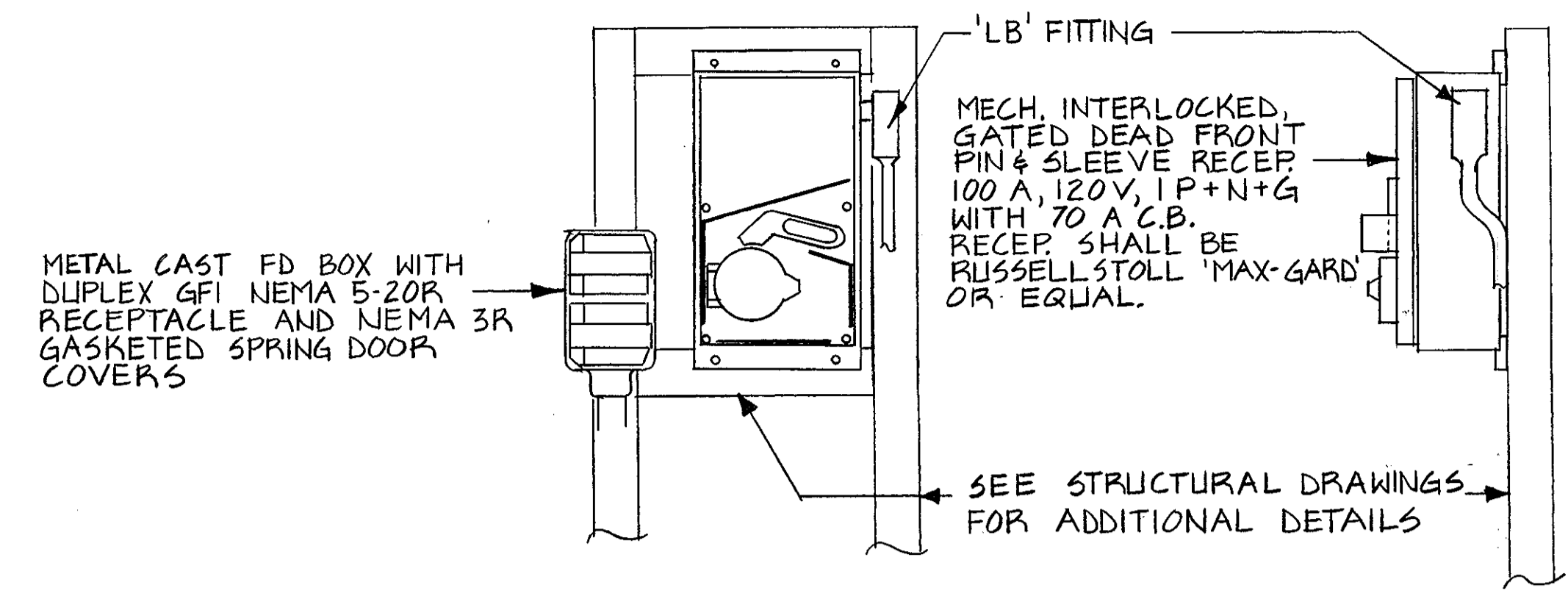


REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED			U.S. COAST GUARD NORFOLK, VA 23513	
DRAWN			FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED			CIVIL ENGINEERING	
CHECKED	1-88		MULTI-MISSION STATION	
REVIEWED BY			OREGON INLET	
			BODIE ISLAND, N.C.	
REVIEWED BY			FIRE PUMP HOUSE AND	
			FUEL SYSTEM DETAILS	
REVIEWED BY			APPROVED: <i>M. W. [Signature]</i> 3-22-90	M-7
			DATE	
			CHIEF OF DIVISION	
			DRAWING NUMBER	
			05-01-87	
			SCALE: NOTED	SHEET 80 OF 97

SEE CIVIL DWGS FOR ADD'L SITE DETAILS



ELECTRICAL SITE PLAN
SCALE: 1" = 25'



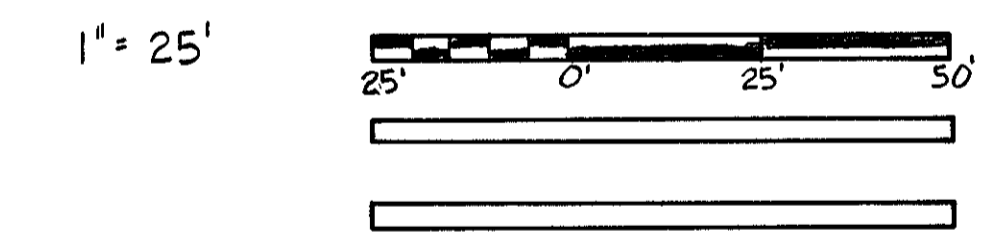
SHORE TIE DETAIL
NO SCALE

AS BUILT CONDITION: TWO 100 A RECEPTACLES ARE MOUNTED ON EACH SHORE TIE.

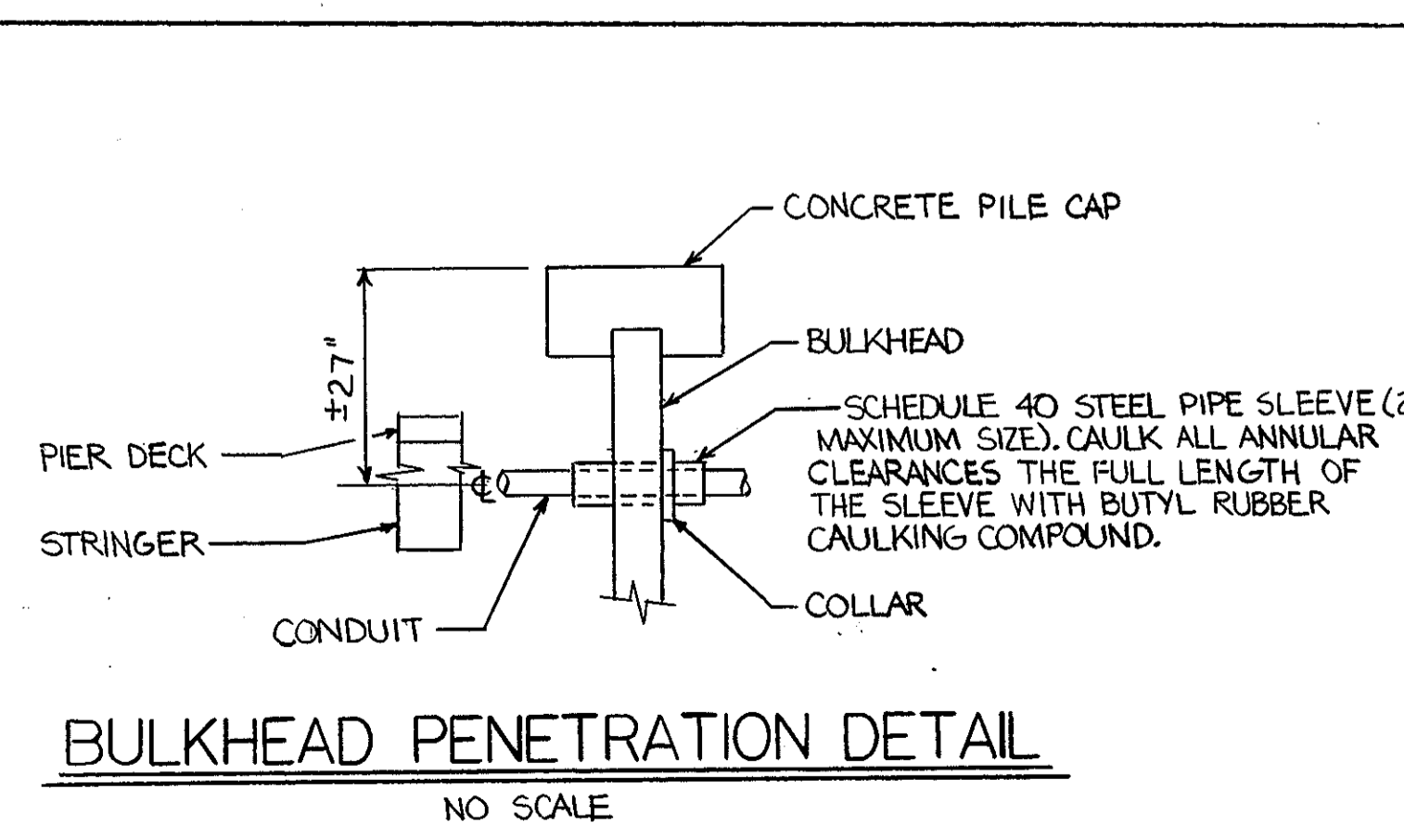
NOTES

- CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH & PAYING NORTH CAROLINA POWER (PC) TO RUN NEW 3Ø HIGH VOLTAGE POWER LINE(S) UNDERGROUND FROM NC HIGHWAY 12 (APPROX 2000 LF AWAY). POWER LINE MUST BE INSTALLED CONCURRENT WITH NEW WATER LINE. SEE CIVIL DWGS FOR ADD'L INFORMATION.
- NC POWER LINE EXTENSION TO EXISTING BY PC.
- ALL ELECT EQUIPMENT WITHIN AREA SHOWN SHALL BE SUITABLE FOR CLASS 1, DIVISION 2 HAZARDOUS CONDITIONS AS DEFINED IN ART 514 OF THE N.E.C. & NFPA 30A. PROVIDE CONDUIT SEALS WHERE REQUIRED BY THE N.E.C.
- PROVIDE 3 POLE, NEMA 3R DISCONNECT SWITCH. LABEL WITH RED SIGN WITH 3" HIGH WHITE LETTERS "EMERGENCY FUEL SHUT-OFF."
- NEW TELEPHONE LINE (CT) BY CAROLINA TELE (CT&T). PROVIDE 4" EMPTY COND. UNDER PAVED AREAS FOR CT&T USE.
- CT&T TELE. EQUIPMENT ENCLOSURE BY CT&T. COORDINATE LOCATION WITH CT&T BEFORE INSTALLING TELE DUCTBANK ("UT").
- SEE DWG A-17 FOR LIGHTNING PROTECTION SYSTEM DETAILS.

GRAPHIC SCALES



AS BUILT	EJT
ADDED ELEC. EQUIP BLDG; REVISED UTILITES TO BLDG & ANTENNA	EJT
DESIGNED: EJT	U.S. COAST GUARD NORFOLK, VA 23510
DRAWN: SALLEN	FACILITIES DESIGN & CONSTRUCTION CENTER
TRACED:	CIVIL ENGINEERING
CHECKED: JLB	MULTI-MISSION STATION
REVIEWED BY:	OREGON INLET
REVIEWED BY:	BODIE ISLAND, NORTH CAROLINA
REVIEWED BY:	ELECTRICAL SITE PLAN
BRANCH CHIEF:	APPROVED: <i>[Signature]</i> 3-22-92
REVIEWED BY:	CHIEF OF DIVISION DATE
	DRAWING NUMBER
	05-01-87
	SCALE: NOTED SHEET 87 OF 97



ELECTRICAL LEGEND

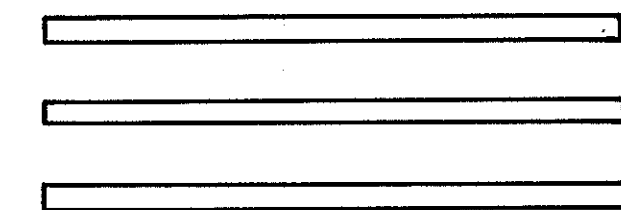
- UE— ELECTRIC LINE - UNDERGROUND
- UP— ELECTRIC LINE - UNDER PIER
- UC— COMMUNICATIONS LINE - UNDERGROUND
- UT— TELEPHONE LINE - UNDERGROUND
- LIGHTING FIXTURE POLE
- ⎓ A-1 WIRING RUN (SEE SPECIFICATIONS FOR INSTALLATION REQUIREMENTS) SLASHES, WHERE SHOWN, INDICATE QUANTITY OF POWER CONDUCTORS WHEN MORE THAN TWO, SIZE #12 AWG UON (REQUIRED EQUIPMENT GROUNDING CONDUCTORS NOT INCLUDED). ARROW, WHERE SHOWN, INDICATES HOMERUN TO PANELBOARD AND BRANCH CIRCUIT INDICATED.
- ┌ TERMINATION OF RACEWAY
- └ DUCT LINE
- WIRING RUN UP
- WIRING RUN DOWN
- [P] HANDHOLE (LETTER "P" INDICATES POWER, "C" INDICATES TELEPHONE)
- [A] FLUORESCENT LIGHTING FIXTURE - LETTER INDICATES TYPE-SEE LIGHTING FIXTURE SCHEDULE.
- [/] FLUORESCENT LIGHTING FIXTURE - SAME AS ABOVE EXCEPT CONNECTED TO EMERGENCY POWER
- [L] LIGHTING FIXTURE - INCANDESCENT OR HIGH INTENSITY DISCHARGE (H.I.D.) TYPE - SEE LIGHTING FIXTURE SCHEDULE
- [⊙] EXIT LIGHT - SHADING INDICATES FACE - ARROW, WHERE SHOWN, INDICATES DIRECTION ARROW
- [J] OR [JB] JUNCTION BOX
- [] PANELBOARD - FLUSH MOUNTED
- [] PANELBOARD - SURFACE MOUNTED
- [] CIRCUIT BREAKER
- [] RECEPTACLE OUTLET - 20A., 125V., 2P., 3W. SINGLE GROUNDING TYPE, NEMA 5-20R, MTD. 18" AFF UON
- [] RECEPTACLE OUTLET - 20A., 125V., 2P., 3W. DUPLEX GROUNDING TYPE, NEMA 5-20R, MTD. 18" AFF UON. SUBSCRIPT "F" INDICATES FLOOR MOUNTED.
- [] SPECIAL PURPOSE RECEPTACLE OUTLET
- [] MOTOR - SUBSCRIPT INDICATES TYPE - SEE ABBREVIATION LIST. NUMBER, WHERE SHOWN, INDICATES APPROXIMATE HORSEPOWER RATING
- [G] GENERATOR
- Sa SWITCH - SINGLE POLE, 20A., 120/277V., MTD. 54" AFF. SUBSCRIPT, WHERE SHOWN, INDICATES SWITCH LEG (TYP).
- S3 SWITCH - THREE WAY, 20A., 120/277V., MTD. 54" AFF.
- S4 SWITCH - FOUR WAY, 20A., 120/277V., MTD. 54" AFF.
- Sm SWITCH - MANUAL MOTOR STARTING TYPE
- SP SWITCH - SINGLE POLE WITH PILOT LIGHT
- ▽ TELEPHONE OUTLET BOX - MTD. 18" AFF. UON.
- [S] PUBLIC ADDRESS SYSTEM SPEAKER - CEILING MTD. UON. SUBSCRIPT "H", WHERE SHOWN, INDICATES WALL MTD. HORN TYPE SPEAKER
- ∅ PHASE
- [] DISCONNECT SWITCH
- [] COMBINATION MOTOR STARTER AND DISCONNECT SWITCH
- [1] FIRE ALARM SYSTEM CONTROL PANEL
- [2] MANUAL PULL STATION - MTD. 54" AFF.
- [3] ALARM BELL, MTD. - 84" AFF UON.
- [4] HEAT DETECTOR - COMBINATION FIXED TEMPERATURE, RATE OF RISE TYPE. SUBSCRIPT "T", WHERE SHOWN, INDICATES MINIMUM 190 F FIXED TEMPERATURE RATING.
- [5] HEAT DETECTOR - FIXED TEMPERATURE TYPE
- [6] IONIZATION DETECTOR
- [7] REMOTE INDICATOR LIGHT - MTD. 84" AFF.

- [T] THERMOSTAT. SUBSCRIPT, WHERE SHOWN, INDICATES DEVICE THERMOSTAT CONTROLS
- [TV] TELEVISION OUTLET BOX - MTD. 18" AFF.
- [C] COMPUTER SYSTEM OUTLET BOX - MTD. 18" AFF.
- ⎓ GROUND OR GROUND ROD
- [P] INTRUSION SYSTEM CONTROL PANEL
- [D] MAGNETIC DOOR SWITCH
- [H] ALARM HORN - MTD. 84" AFF.
- [V] VOLUMETRIC DETECTOR
- [101] ROOM NUMBER
- [FC] PHOTOCCELL SWITCH
- [TC] TIME CLOCK

ABBREVIATIONS

- A AMPERE
- ACU AIR COOLED CONDENSING UNIT
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AHU AIR HANDLING UNIT
- ANN ANNUNCIATOR
- ART ARTICLE
- ATS AUTOMATIC TRANSFER SWITCH
- B BOILER
- C CONDUIT
- CFGI CONTRACTOR FURNISHED GOVERNMENT INSTALLED
- CKT CIRCUIT
- CKT.BRKR. CIRCUIT BREAKER
- CLG CEILING
- COMM COMMUNICATIONS
- COMPR COMPRESSOR
- CT CURRENT TRANSFORMER
- CU COPPER
- DWG DRAWING
- EF EXHAUST FAN
- EP EXPLOSIONPROOF
- EWC ELECTRIC WATER COOLER
- EXT EXTERIOR
- FIXT FIXTURE
- GEN GENERATOR
- HPU HEAT PUMP UNIT
- HPR HEATER
- HWH HOT WATER HEATER
- G OR GND GROUND
- GFGI GOVERNMENT FURNISHED GOVERNMENT INSTALLED
- GFI GROUND FAULT INTERRUPTER
- Isc SHORT CIRCUIT CURRENT
- KA THOUSAND AMPERES
- L LOUVER
- MLO MAIN LUGS ONLY
- MOD MOTOR OPERATED DAMPER
- MTD MOUNTED
- NEC NATIONAL ELECTRICAL CODE
- NIC NOT IN CONTRACT
- P POLE OR PUMP
- PA PUBLIC ADDRESS
- PF POWER FACTOR
- R OR RECEPTACLE RECEPTACLE
- RM ROOM
- RP RECIRCULATING PUMP
- SF SUPPLY FAN
- SHT SHEET
- STRUCT STRUCTURAL
- TELE TELEPHONE
- TYP TYPICAL
- UH UNIT HEATER
- UON UNLESS OTHERWISE NOTED
- V VOLT
- W WIRE
- W/ WITH
- WP WEATHERPROOF

GRAPHIC SCALES



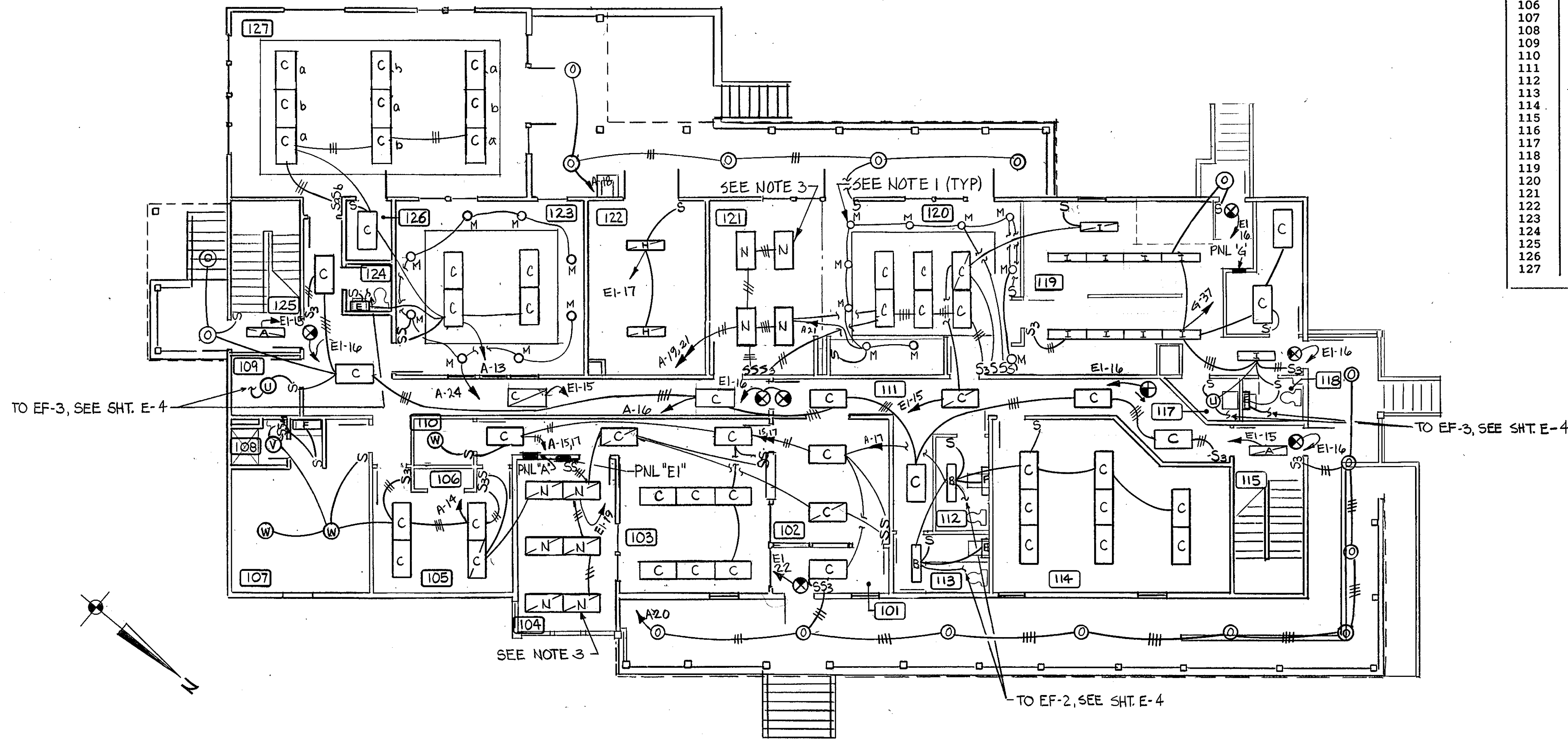
			AS BUILT				EJT		
REV.	DATE	APPR.	DESCRIPTION						
			U.S. COAST GUARD NORFOLK, VA 23513 FACILITIES DESIGN & CONSTRUCTION CENTER CIVIL ENGINEERING						
			MULTI-MISSION STATION OREGON INLET BODIE ISLAND, NC						
			ELECTRICAL LEGEND AND ABBREVIATIONS						
			REVIEWED BY: <i>J.R. Petras</i> BRANCH CHIEF		APPROVED: <i>M. J. [Signature]</i> 3.22.90 CHIEF OF DIVISION DATE				
					E-2				
			DRAWING NUMBER 05-01-87						
					SCALE: NONE SHEET 88 OF 97				

ROOM SCHEDULE

ROOM NO.	ROOM NAME
101	FOYER
102	LOBBY
103	STATION OFFICE
104	COMMAND CENTER
105	OIC OFFICE
106	CLOSET
107	OD NIGHT ROOM
108	TOILET
109	JANITORS CLOSET
110	STORAGE
111	CORRIDOR
112	WOMENS TOILET
113	MENS TOILET
114	CLASSROOM
115	STAIRS
116	GALLEY STORAGE
117	GALLEY OFFICE
118	GALLEY TOILET
119	GALLEY
120	MESS DECK
121	TV ROOM
122	MECH EQUIPMENT ROOM
123	PHYSICAL FITNESS ROOM
124	TOILET
125	STAIRS
126	STORAGE
127	RECREATION ROOM

NOTES

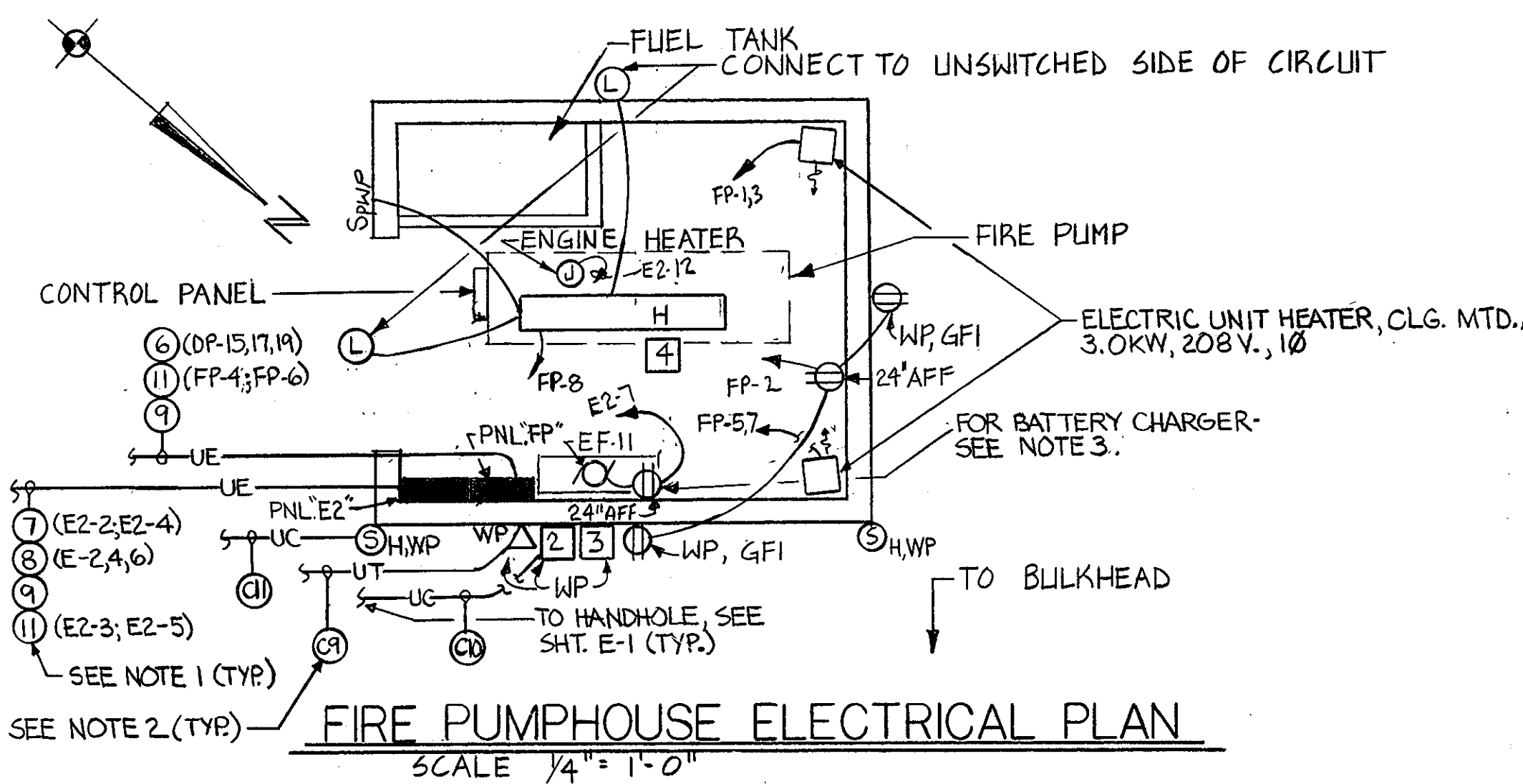
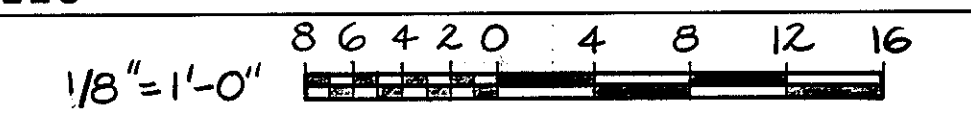
- COORDINATE PLACEMENT OF THE TYPE "M" FIXTURE WITH MECH. DUCTS INSTALLED ABOVE THE CEILING.
- SEE REFLECTED CEILING PLAN, SHT. A-16, FOR EXACT LOCATION OF LIGHTING FIXTURES.
- PROVIDE CONTROL OF TYPE "N" FIXTURE CENTER LAMP FROM ONE SWITCH AND OUTER LAMPS FROM THE OTHER SWITCH.



LIGHTING PLAN - FIRST FLOOR ADMIN/BERTH. BLDG.

1/8" = 1'-0"

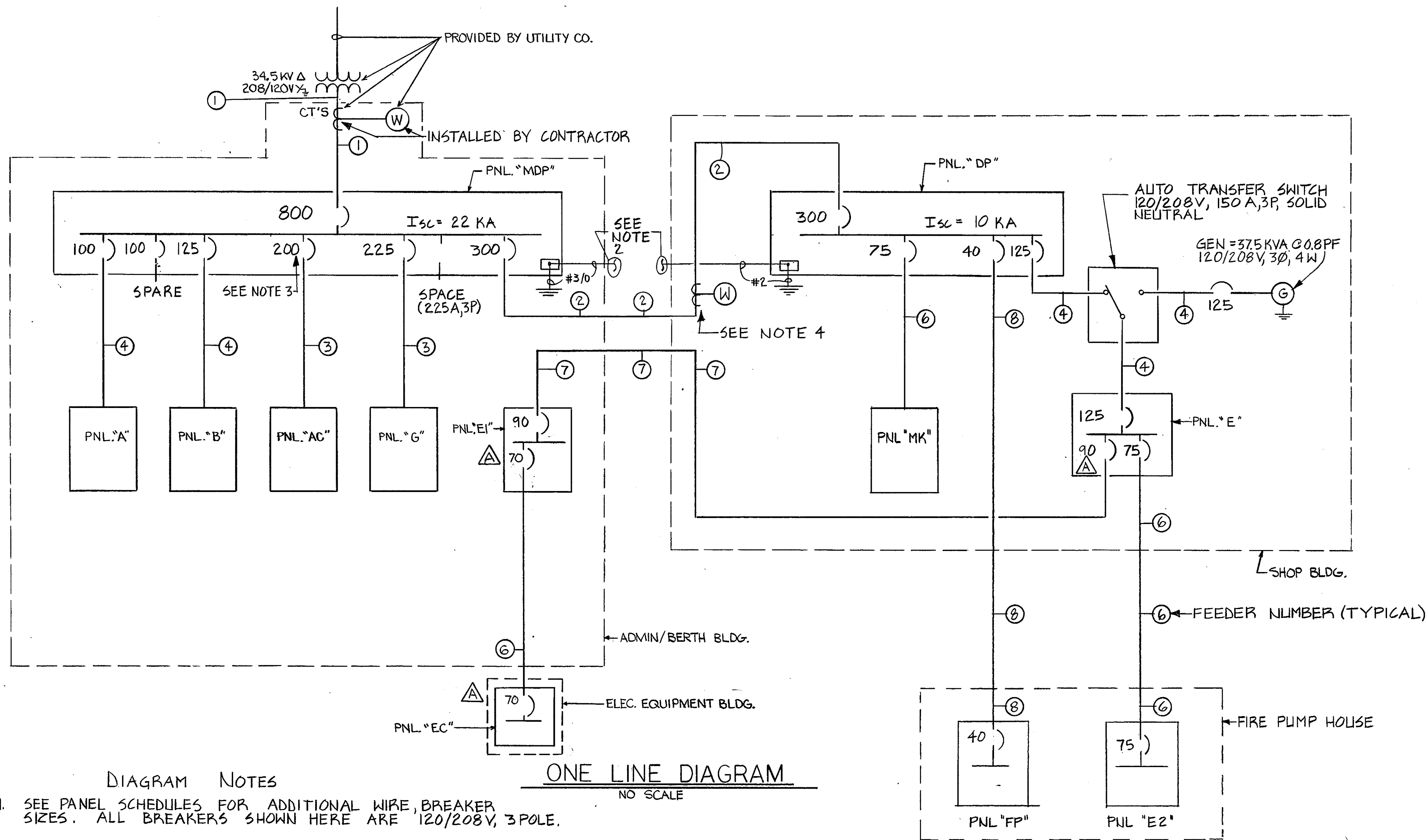
GRAPHIC SCALES



NOTES

- SEE FEEDER SCHEDULE, SHT. E-7, FOR POWER CONDUIT & WIRING.
- SEE TELE/COMMUNICATIONS CONDUIT/WIRE SCHEDULE, SHT. E-9, FOR TELE & COMMUNICATIONS CONDUIT & WIRING.
- INTERLOCK EXHAUST FAN EF-11 WITH BATTERY CHARGER RECEPTACLE SO THAT CHARGER WILL NOT OPERATE UNLESS FAN IS ON.

REV.	DATE	APPR.	DESCRIPTION	BY
			AS BUILT	EJT
DESIGNED:			U.S. COAST GUARD	NORFOLK, VA 23510
DRAWN:	SDA/EJT		FACILITIES DESIGN & CONSTRUCTION CENTER	
TRACED:			CIVIL ENGINEERING	
CHECKED:	ARP		MULTI-MISSION STATION	
REVIEWED BY:			OREGON INLET	
			BODIE ISLAND, NC	
REVIEWED BY:			ADMIN/BERTH BLDG. FIRST FLOOR LIGHTING PLAN -	
			FIRE PUMPHOUSE PLAN	
REVIEWED BY:			APPROVED:	E-3
			DATE: 3.22.70	
			CHIEF OF DIVISION	
			DRAWING NUMBER	
			05-01-87	
			SCALE: NOTED	SHEET 89 OF 97



FEEDER SCHEDULE		
FEEDER NUMBER	WIRE SIZE	CONDUIT SIZE
①	2 SETS* IN PARALLEL 4-600 MCM	2-4"*
②	4-350 MCM	3"
③	4-3/0, 1#4 GND	2"
④	4-#2, 1#6 GND	1 1/4"
⑤	4-#3, 1#8 GND	1 1/4"
⑥	4-#4, 1#8 GND	2"
⑦	4-#4, 1#8 GND	2"
⑧	4-#8, 1#10 GND	1 1/4"
⑨	SPARE WITH PULLWIRE	2"
⑩	2 #10, 1#10 GND	1"
⑪	4 #10, 1#10 GND	1"
⑫	2 #2, 1#6 GND	1 1/2"
⑬	2 #8, 1#8 GND	1"

NOTE - SEE DWG E-1 FOR OTHER FEEDER LOCATIONS.
* INSTALL ONE SET IN EACH CONDUIT.

GRAPHIC SCALES

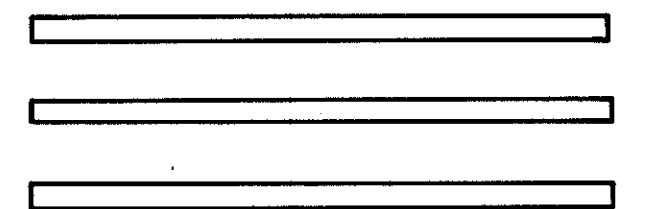


DIAGRAM NOTES

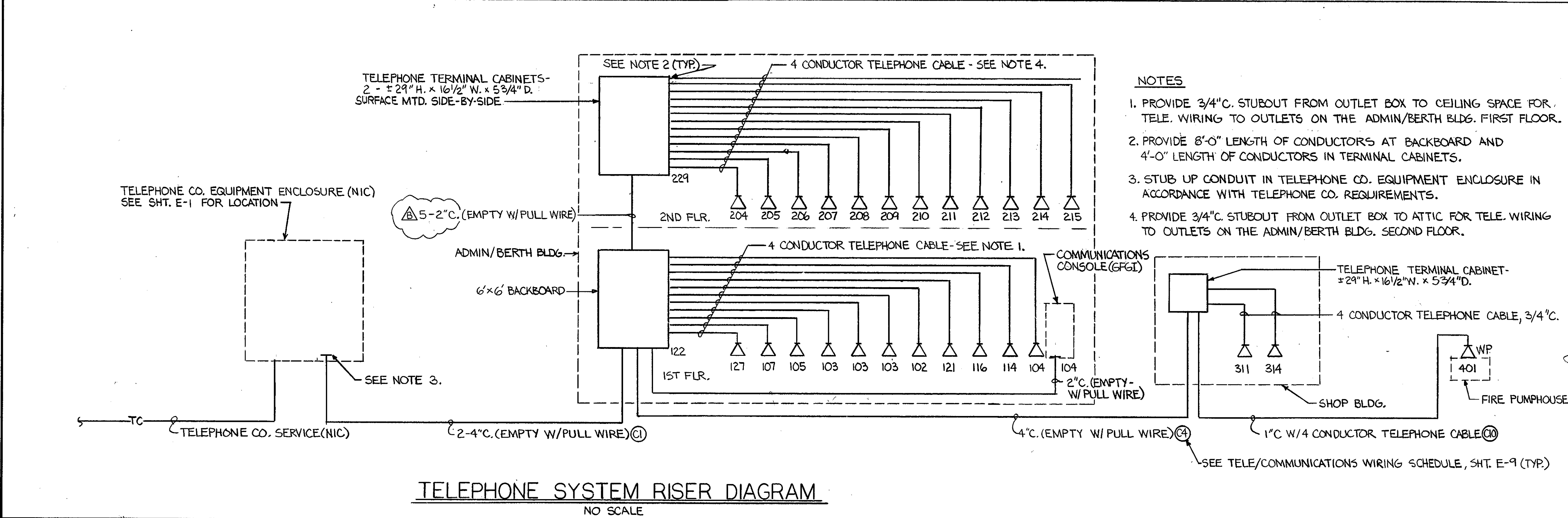
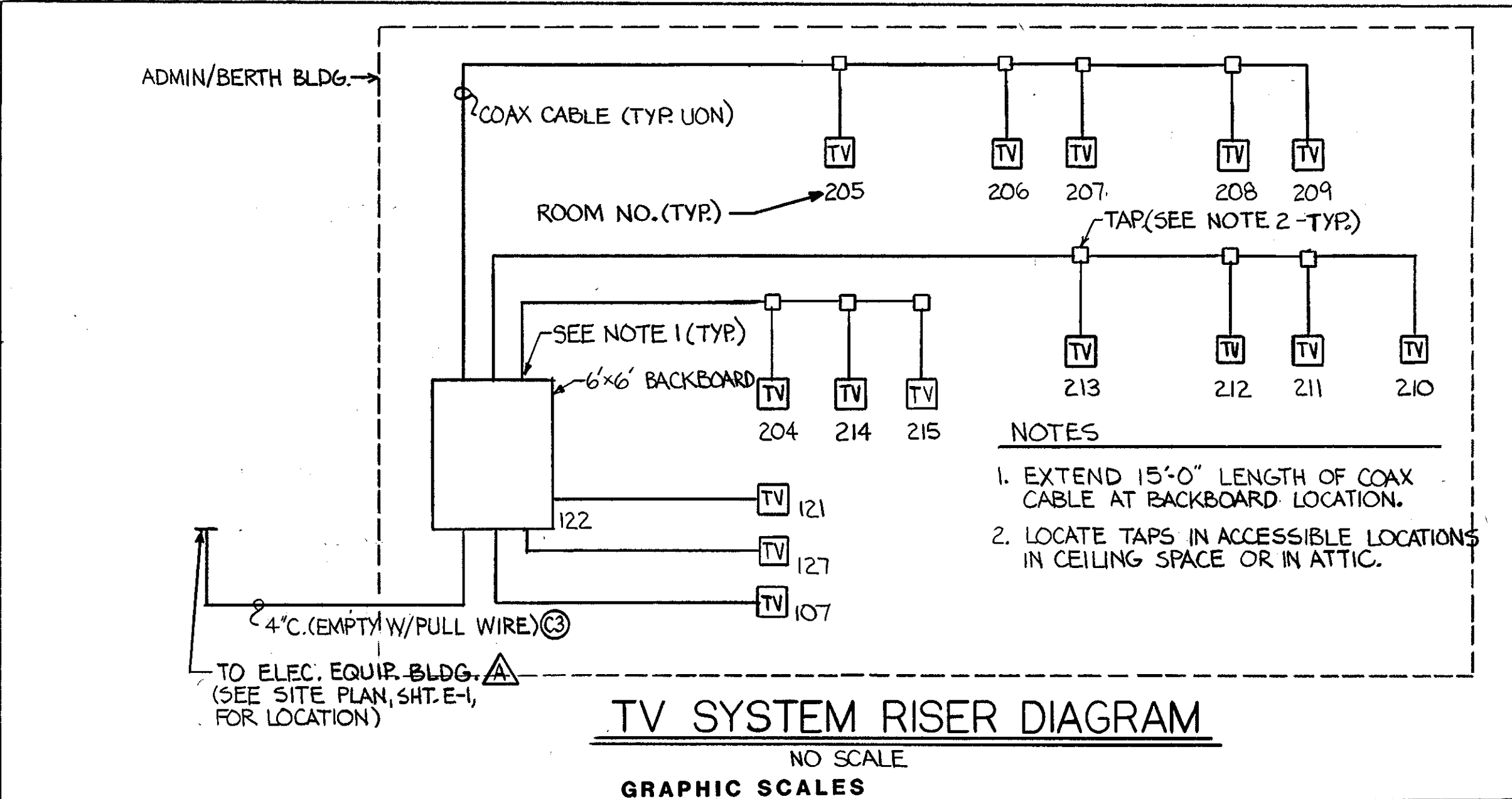
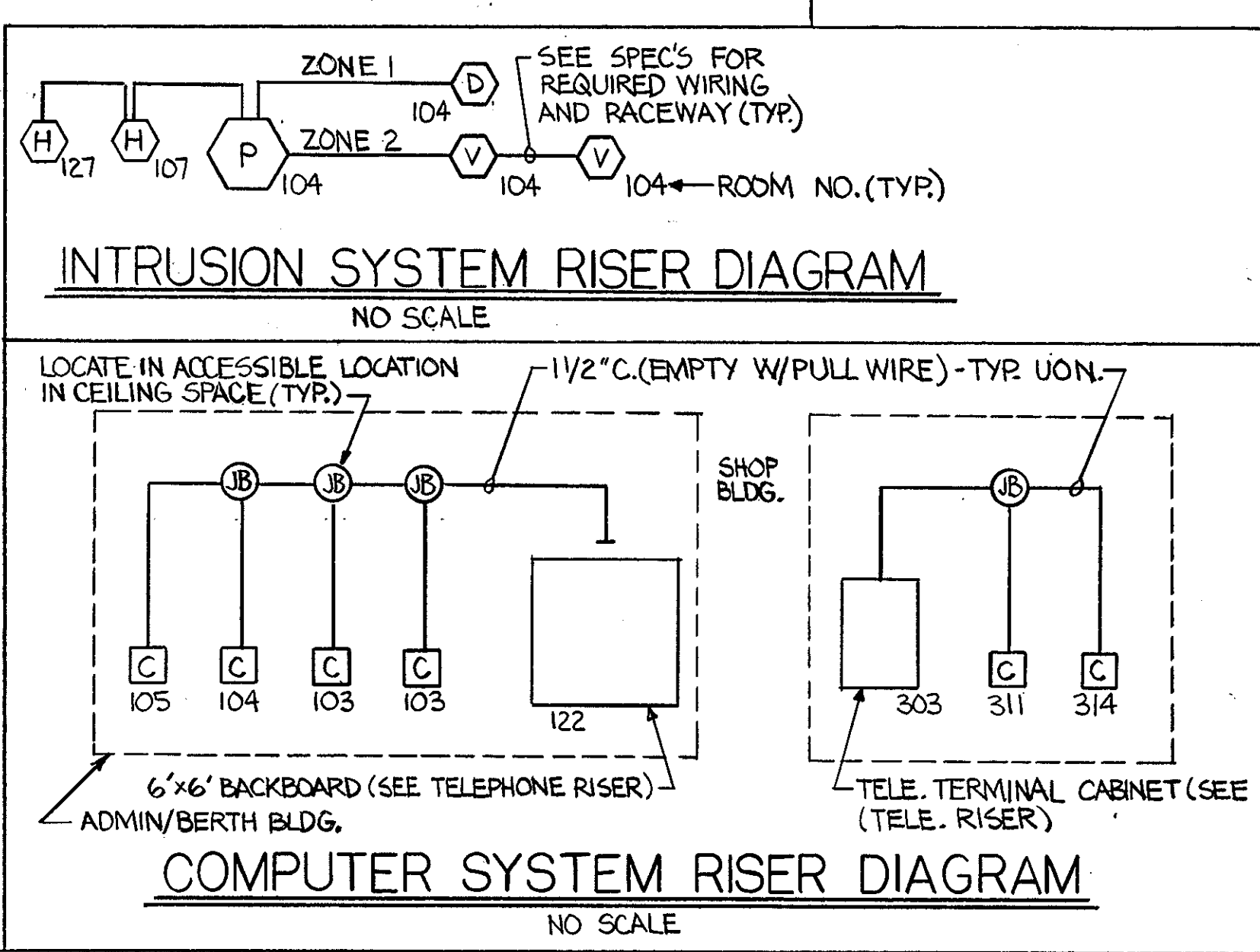
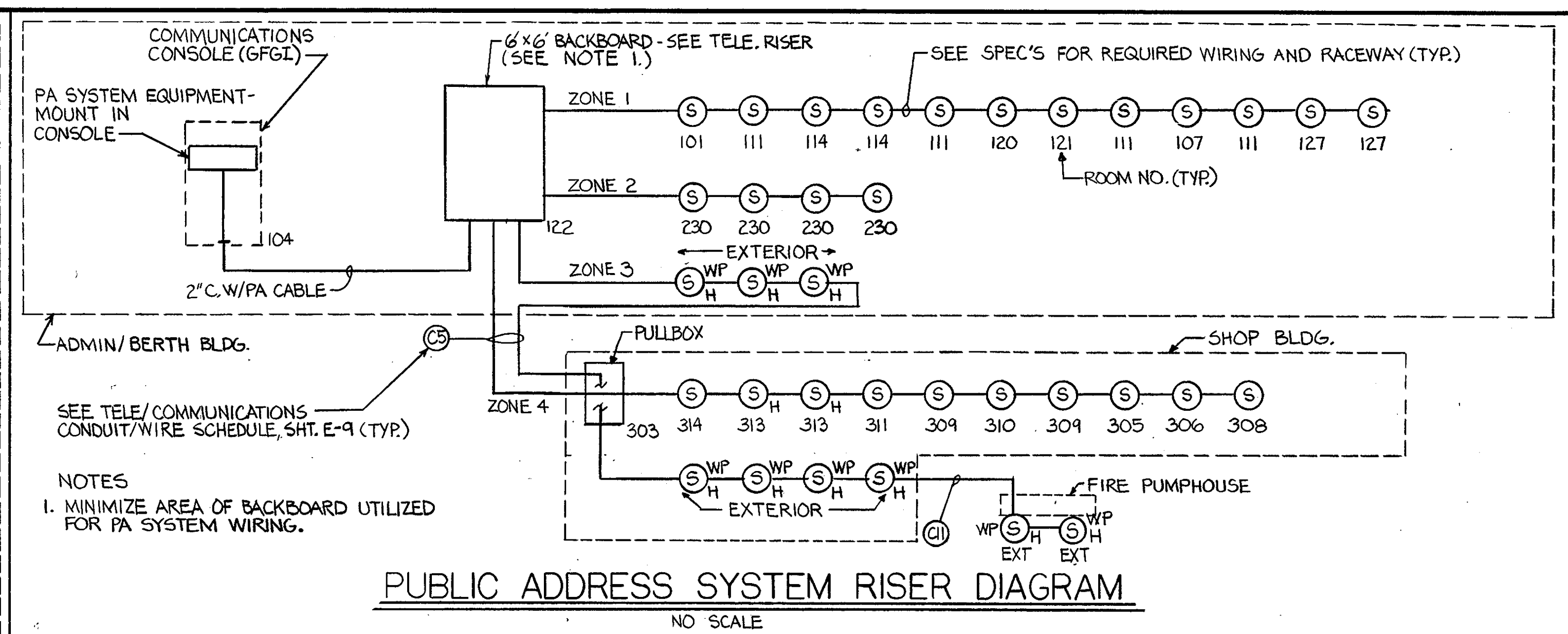
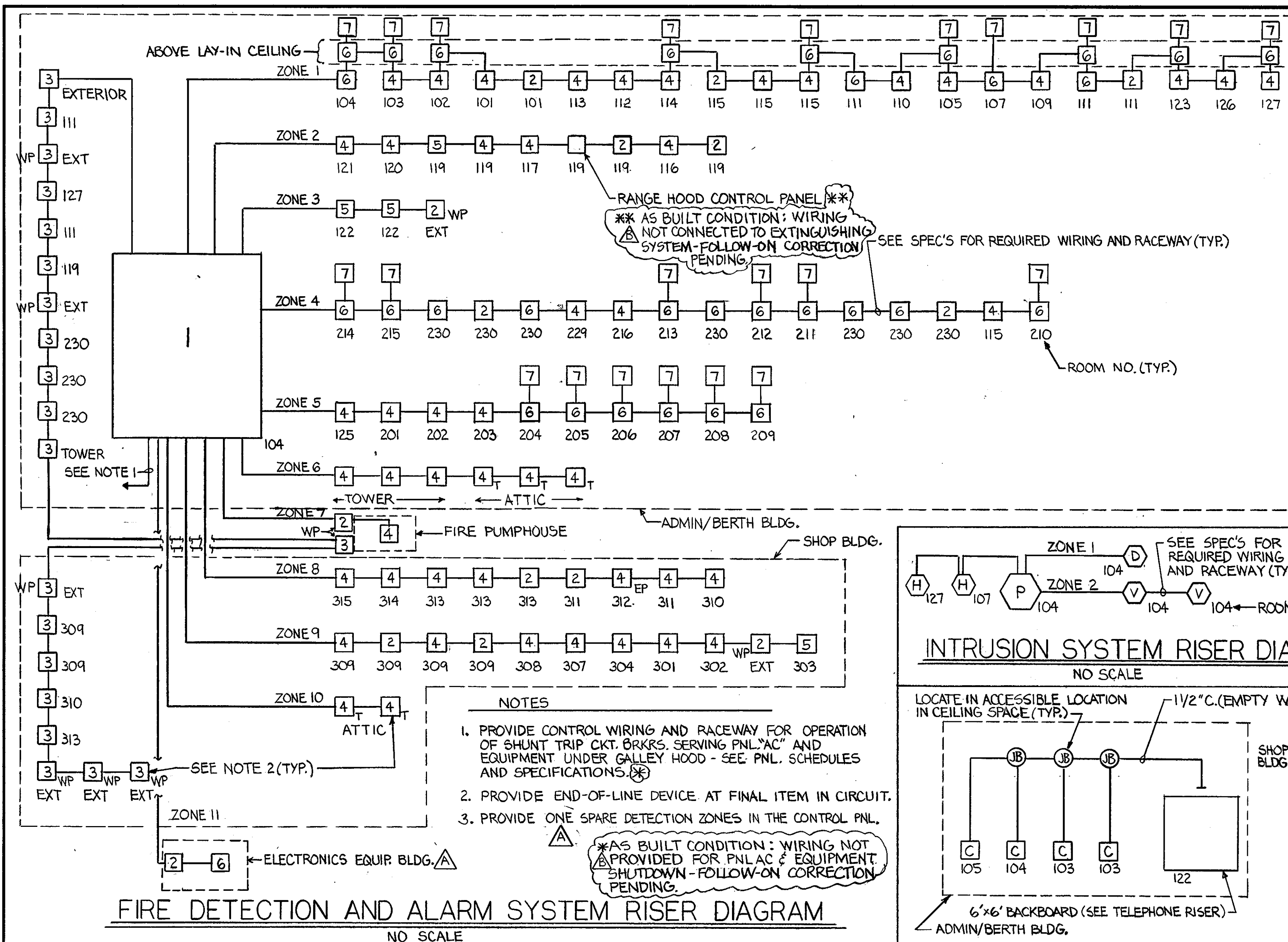
- SEE PANEL SCHEDULES FOR ADDITIONAL WIRE, BREAKER SIZES. ALL BREAKERS SHOWN HERE ARE 120/208V, 3POLE.
- CONNECT GROUND BUS TO LIGHTNING PROTECTION SYSTEMS GROUND. INTERCONNECT SYSTEMS OF BOTH BLDGS.
- PROVIDE SHUNT TRIP CONTROL FOR THIS BREAKER.
- PROVIDE CURRENT TRANSFORMERS AS REQUIRED BY MANUF. OF METER.
- GROUNDING ELECTRODE CONDUCTOR SHALL BE RUN EXPOSED WITHIN BUILDINGS; PROVIDE REQUIRED BONDING OF OTHER SYSTEMS AND METALLIC WATER PIPING TO GROUNDING ELECTRODE CONDUCTOR. INSTALL GROUNDING ELECTRODE CONDUCTOR IN RACEWAY WHERE RUN IN ADMIN/BERTH BLDG. CRAWL SPACE.

ONE LINE DIAGRAM

NO SCALE

AS BUILT	EJT
5/7/20 ADDED PNL "EC", REVISED PNL'S E & E1	EJT
REV. DATE APPR. DESCRIPTION	BY
DESIGNED: SDA/EJT DRAWN: SDA/EJT TRACED: CHECKED: JLP REVIEWED BY: JLP REVIEWED BY: JLP BRANCH CHIEF	U.S. COAST GUARD NORFOLK, VA 23510 FACILITIES DESIGN & CONSTRUCTION CENTER CIVIL ENGINEERING MULTI-MISSION STATION OREGON INLET BODIE ISLAND, NC ONE LINE DIAGRAM AND FEEDER SCHEDULE
REVIEWED BY: JLP BRANCH CHIEF	APPROVED: [Signature] CHIEF OF DIVISION DATE: 3-22-20
DRAWING NUMBER 05-01-87	
SCALE: NONE SHEET 93 OF 97	

E-7



REV.	DATE	APPR.	DESCRIPTION	BY
AS BUILT				EJT
A	5/17/90	[Signature]	ADDED ZONE 11 TO FIRE RISER DIAGRAM, REVISED TV RISER	EJT

DESIGNED: EJT
DRAWN: EJT
TRACED:
CHECKED: [Signature]
REVIEWED BY: [Signature]
REVIEWED BY: [Signature]
BRANCH CHIEF

APPROVED: [Signature]
CHIEF OF DIVISION
DATE: 3.22.90

E-8

05-01-87

SCALE: NONE SHEET 94 of 97

100A BUS, 120/208V, 3Ø, 4W LOCATION: RM 103 PANEL SCHEDULE A

CKT NO.	SERVING	WIRE SIZE	TRIP/POLE	CONNECTED LOAD IN KVA				TRIP/POLE	WIRE SIZE	SERVING	CKT NO.	
				KVA	ØA	ØB	ØC					
1	R-114	12	20/1	1.0	2.0			20/1	12	R-107	2	
3	R-102, 12, 13	12	20/1	1.0				20/1	12	R-105	4	
5	R-103, EXT	12	20/1	1.0				20/1	12	R-111	4	
7	R-111	12	20/1	1.0	2.0			20/1	12	R-120, 1	8	
9	R-123, 124	12	20/1	1.0		1.7		20/1	12	EWC	10	
11	R-127, EXT	12	20/1	1.0			1.7	20/1	12	EWC	10	
13	L-123, 4, 6, 7	12	20/1	1.4	2.6			20/1	12	L-105, 7, 8, 9	14	
15	L-101, 2, 3, 10	12	20/1	1.6		2.4		20/1	12	L-111	16	
17	L-112, 3, 4	12	20/1	1.1			2.4	20/1	12	L-PORCH	18	
19	L-120, 1	12	20/1	0.8	1.3			20/1	12	L-PORCH	20	
21	L-120	12	20/1	1.0		1.5		20/1	12	EF-6, UH-4	22	
23	R-TOWER, EF-5	12	20/1	1.0			1.8	20/1	12	L-RM 123	24	
25	SPACE			0.0	0.5			20/1	12	PARK LTG.	26	
27	PARK LTG	10	20/1	1.0						SPACE	28	
29	PARK LTG	8	20/1	1.0						SPACE	30	
TOTALS				8.4	8.6	7.9				24.9		

225 A BUS, 120/208 V, 3Ø, 4W LOCATION: RM 104 PANEL SCHEDULE E1

CKT NO.	SERVING	WIRE SIZE	TRIP/POLE	CONNECTED LOAD IN KVA				TRIP/POLE	WIRE SIZE	SERVING	CKT NO.	
				KVA	ØA	ØB	ØC					
1	COMM CTR	12	20/1	0.3	0.9			15/2	12	AHU-1	2	
3	COMM CTR	12	20/1	0.3				20/1	12	BOILER PUMP	4	
5	COMM CTR	12	20/1	0.3			1.2	20/1	12	SPARE	6	
7	COMM CTR	12	20/1	0.3	0.3			20/1	12	R-RM 120	8	
9	FIRE PNL	12	20/1	0.2		1.4		20/1	12	R-RM 120	10	
11	INT PNL	12	20/1	0.2			1.3	20/1	12	GALLEY FREEZ	12	
13	R-RM 104	12	20/1	0.9	1.6			20/1	12	GALLEY REF	14	
15	L-RM 111	12	20/1	0.5		1.1		20/1	12	EXIT LIGHTS	16	
17	L-RM 230	12	20/1	0.5			1.0	15/3	12	PI, P2	18	
19	L-RM 104	12	20/1	0.8	1.3			20/1	10	RAD. RGN. COUPLER	20	
21	R-RM 229	4	20/1	1.0		1.5		20/1	10	SPACE	22	
23	PNL EC	4	70/3	0.5			1.0			SPACE	24	
25							0.0			SPACE	26	
27							0.0			SPACE	28	
29							0.0			SPACE	30	
TOTALS				5.0	4.9	4.5				14.4		

NOTES
 1. PANELS "A, AC, B, G & MK" ARE MAIN LUG ONLY TYPE.
 2. PANELS "E, E1, E2, DP & FP" REQUIRE MAIN BREAKERS. SEE ONE LINE DIAGRAM FOR SIZES.

225 A BUS, 120/208 V, 3Ø, 4W LOCATION: RM 103 PANEL SCHEDULE AC

CKT NO.	SERVING	WIRE SIZE	TRIP/POLE	CONNECTED LOAD IN KVA				TRIP/POLE	WIRE SIZE	SERVING	CKT NO.	
				KVA	ØA	ØB	ØC					
1	ACU-2	10	40/3	2.3	4.9			40/3	10	ACU-3	2	
3				2.3		4.9					4	
5				2.3			4.9				6	
7	ACU-6	10	40/3	2.6	5.2			40/3	10	ACU-5	8	
9				2.6		5.2					10	
11				2.6			5.2				12	
13	ACU-4	8	50/3	4.2	5.7			30/2	12	AHU-2, 4	14	
15				4.2		5.7					16	
17				4.2			4.8	15/2	12	AHU-3	18	
19	ACU-1	10	40/3	2.3	2.9			15/2	12	AHU-5, 6	20	
21				2.3		3.5					22	
23				2.3			3.5				24	
25	SPACE	20/1		0.5	0.5					SPACE	26	
27	SPACE					0.0				SPACE	28	
29	SPACE						0.0			SPACE	30	
TOTALS				19.2	19.3	18.4				56.9		

225 A BUS, 120/208 V, 3Ø, 4W LOCATION: RM 303, SHOP BLDG PANEL SCHEDULE E

CKT NO.	SERVING	WIRE SIZE	TRIP/POLE	CONNECTED LOAD IN KVA				TRIP/POLE	WIRE SIZE	SERVING	CKT NO.	
				KVA	ØA	ØB	ØC					
1	PNL E1	#4	30/3	5.0	13.2			75/3	#4	PNL E2	2	
3				4.9		13.1					4	
5				4.5			6.9				6	
7	DIESEL PUMP	10	20/2	0.8	1.3			20/1	12	R 303	8	
9				0.8		1.4		20/1	12	DAY TANK	10	
11	LEAK PANEL	12	20/1	0.3			1.3	20/1	12	BATTERY CHG	12	
13	SPACE			0.5	1.0			20/1	12	FWH	14	
15	SPACE					0.5		20/1	12	COILER	16	
17	SPACE						0.7	20/1	12	PS	18	
19	SPACE				0.0					SPACE	20	
21	SPACE				0.0	0.0				SPACE	22	
23	SPACE						0.0			SPACE	24	
25	SPACE						0.0			SPACE	26	
27	SPACE						0.0			SPACE	28	
29	SPACE						0.0			SPACE	30	
TOTALS				15.5	14.5	8.2				38.2		

NOTE: ALL BREAKERS SHALL BE THE HACR TYPE

225A BUS, 120/208V, 3Ø, 4W LOCATION: RM 229 PANEL SCHEDULE B

CKT NO.	SERVING	WIRE SIZE	TRIP/POLE	CONNECTED LOAD IN KVA				TRIP/POLE	WIRE SIZE	SERVING	CKT NO.	
				KVA	ØA	ØB	ØC					
1	DRYER	8	35/2	2.6	5.2			35/2	8	DRYER	2	
3				2.6		5.2					4	
5	WASH MACH	12	20/1	1.5			3.0	20/1	12	WASH MACH	6	
7	R-201	12	20/1	0.4	1.5			20/1	12	R-213, 226	8	
9	R-115, 125, 21	12	20/1	1.3		2.4		20/1	12	R-212, 225	10	
11	R-115, 228	12	20/1	1.1			2.2	20/1	12	R-209, 224	12	
13	R-214, 227	12	20/1	1.1	2.2			20/1	12	R-208, 221	14	
15	R-204, 217	12	20/1	1.1		2.2		20/1	12	R-207, 220	16	
17	R-205, 218	12	20/1	1.1			2.2	20/1	12	SPARE	18	
19	R-206, 219	12	20/1	1.1	1.6			20/1	12	L-230	20	
21	L-204, 5, 17, 1	12	20/1	1.0		1.6		20/1	12	L-212, 3, 25, 26	22	
23	L206, 7, 19, 21	12	20/1	1.2			2.4	20/1	12	L-210, 1, 23, 2	24	
25	L-208, 9, 21, 2	12	20/1	1.2	2.4			20/1	12	L-214, 5, 27, 8	26	
27	L-212, 3, 25, 6	12	20/1	1.2		2.4		20/1	12	R-ATTIC	28	
29	L-ATTIC, TWR	12	20/1	0.6			1.0	20/1	12	R-ATTIC	30	
31	WAT COOL	12	20/1	0.7	1.2			20/1	12	SPACE	32	
33	SPACE			0.5		1.0		20/1		SPACE	34	
35	SPACE			0.0			0.0			SPACE	36	
37	SPACE			0.0	0.0					SPACE	38	
39	SPACE			0.0		0.0				SPACE	40	
41	SPACE			0.0			0.0			SPACE	42	
TOTALS				12.9	13.8	10.8				37.5		

400 A BUS, 120/208 V, 3Ø, 4W LOCATION: RM 303, SHOP BLDG PANEL SCHEDULE DP

CKT NO.	SERVING	WIRE SIZE	TRIP/POLE	CONNECTED LOAD IN KVA				TRIP/POLE	WIRE SIZE	SERVING	CKT NO.	
				KVA	ØA	ØB	ØC					
1	L-RM 301, 2, 4	12	20/1	1.0	12.9			75/3	#4	PNL MK	2	
3	L-R 308, 6, 7	12	20/1	1.0		7.5					4	
5	EXT LIGHTS	12	20/1	1.0			11.2	20/1	12	EXT-RECEP	6	
7	L-ATTIC	12	20/1	0.3	0.8			20/1	12	R-305, 6, 9	8	
9	PNL E	2	125/3	15.5		16.5		20/2	12	EF-10	10	
11				14.5			15.3	20/1	12		12	
13	PNL FP	8	40/3	3.9	9.0			25/2*	10	ACU-7	16	
15				2.2		5.1					18	
17				2.2			3.4	20/1	12	EF-7	20	
19				2.2	2.9			15/2	12	AHU-7	22	
21	SF-2	12	20/1	1.1		1.4		20/1	12	PUMP P3, P4	24	
23	EF-8	12	20/1	0.9			1.2	30/3	12		26	
25	EF-9, UH-4	12	20/1	0.5	1.8						28	
27	SEC LIGHT	10	20/1	0.3		1.6					30	
29	EL WTR COOL	12	20/1	0.3			1.3	20/1	12	TIMECLOCK	32	
31	ENGINE HTR	12	20/1	0.8	1.3						34	
33	GAS PUMP	10	15/2	0.4	1.3	0.4					36	
35				0.4			0.4				38	
37	SPACE				0.0						40	
39	SPACE					0.0					42	
41	SPACE						0.0				44	
TOTALS				27.4	32.1	32.7				92.2		

*NOTE: HACR TYPE BREAKER

225 A BUS, 120/208 V, 3Ø, 4W LOCATION: RM 119 PANEL SCHEDULE G

CKT NO.	SERVING	WIRE SIZE	TRIP/POLE	CONNECTED LOAD IN KVA				TRIP/POLE	WIRE SIZE	SERVING	CKT NO.
				KVA	ØA	ØB	ØC				
1	DEEP FRYER	6	60/3*	5.5	9.6			75/3*	4	RANGE	2
3				5.5		13.7					4
5				5.5			11.5				6
7	GRIDDLE	3	90/3*	7.4	7.8			15/3	12	SF-1	8
9				7.4		7.8					10
11				7.4			7.8				12
13	STEAM COOKER	10	35/3	3.0	4.4			20/2	12	HOT FOOD UNIT	14
15				3.0		4.4					16
17				3.0			4.9	25/2	10	TOASTER	18
19	DISHWASHER	8	50/2	3.8	5.7			20/1	12	MICROWAVE	20
21				3.8		5.5		20/1	12	SPACE	22
23	SPACE			0.5			1.0	20/1	12	SPACE	24
25	LOWERATOR	12	20/1	1.2	2.3			20/1	12	BEV DISP	26
27	COLD PAN	12	20/1	0.7		1.7		20/1	12	DISPENSERS	28
29	HOOD FNL	12	20/1	0.5			0.8	20/1	12	RANGE HOOD	30
31	SPACE			0.5	1.2			20/1	12	REFR	32
33	REC-RM 120	12	20/1	1.0		2.0		20/1	12	REC-RM 116	34
35	REC-ABOVE CN	12	20/1	1.							