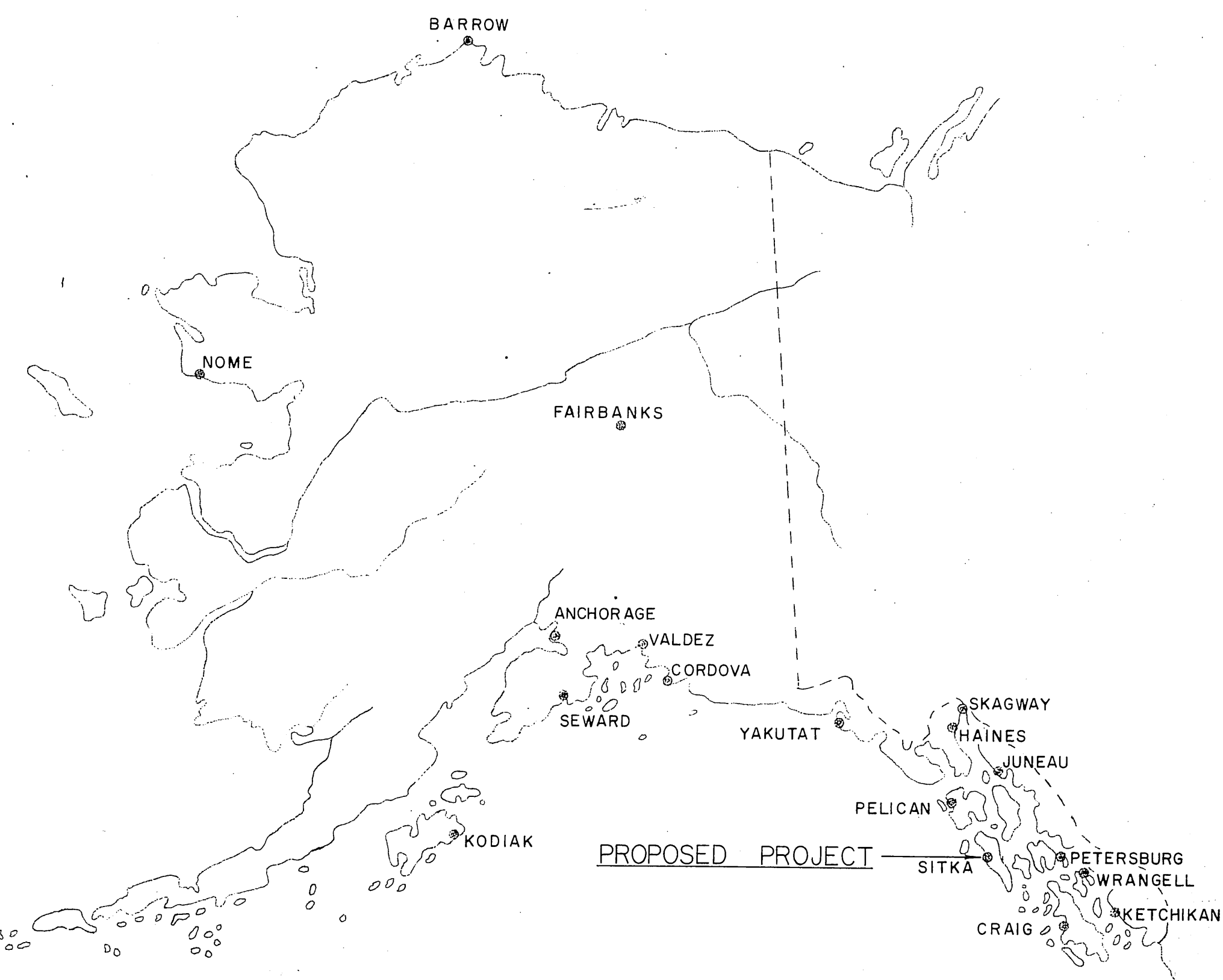
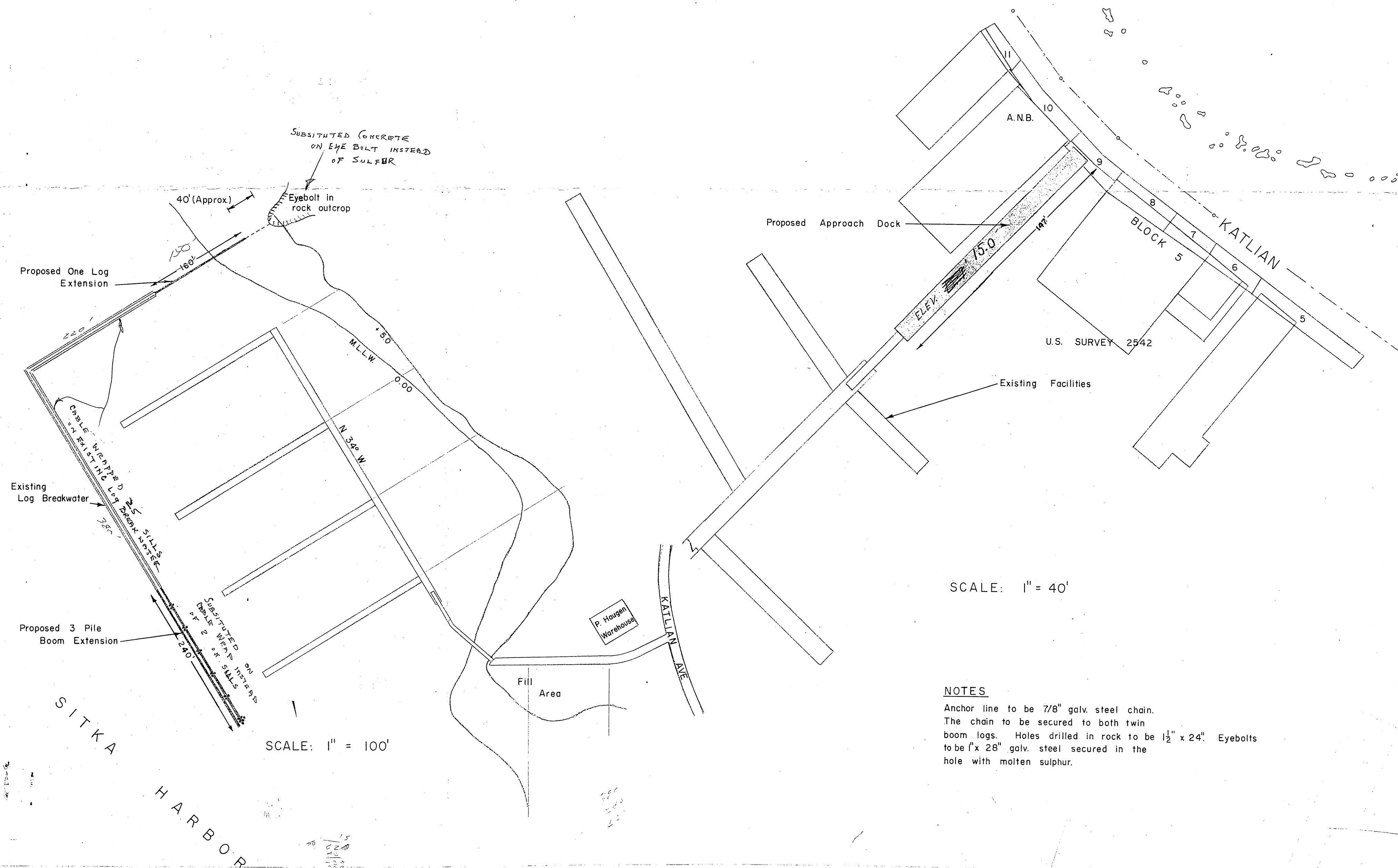


PROJ. NO. W 6108



SITKA TITMUSEN HARBOR BREAKWATER RECONSTRUCTION  
PROJECT NO.



The major units of this contract shall include the installation of 240 l.f. of 3 pile twin boom breakerwater and 160 ft. of single log breakerwater. Construction of a 10' x 147' approach dock. Dismantling and destruction of existing approach dock structure.

TITLE SHEET \_\_\_\_\_ 1  
DETAIL SHEET \_\_\_\_\_ 2

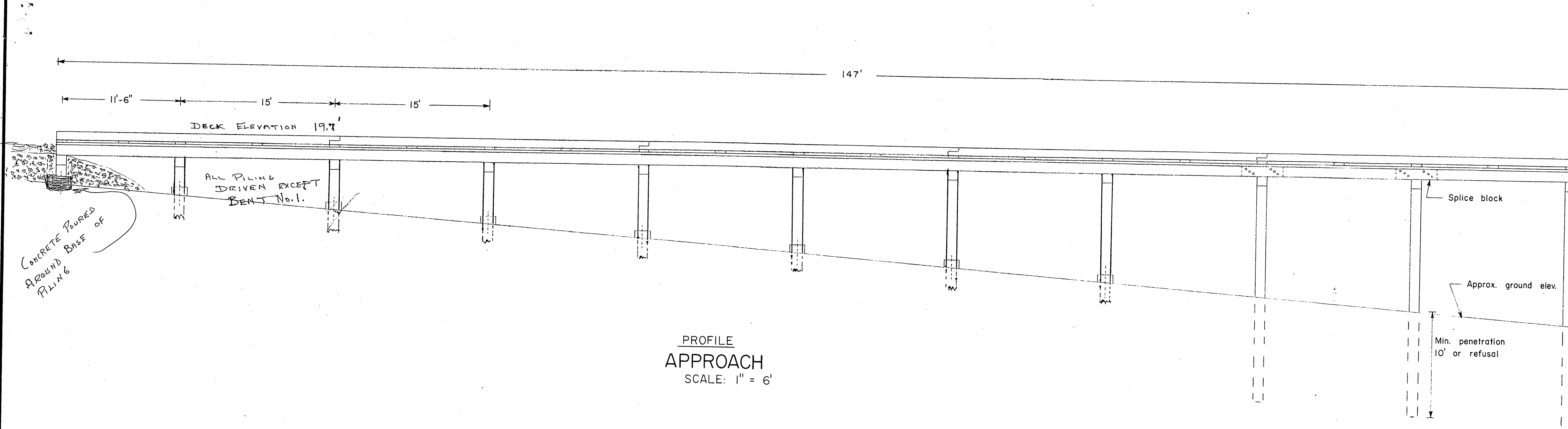
AS BUILTS  
MARCH 1966

|                                                                                |  |                                             |  |  |
|--------------------------------------------------------------------------------|--|---------------------------------------------|--|--|
|                                                                                |  |                                             |  |  |
| NO. DATE                                                                       |  | REVISION                                    |  |  |
| STATE OF ALASKA<br>DEPARTMENT OF PUBLIC WORKS<br>DIVISION OF WATER AND HARBORS |  |                                             |  |  |
| SITKA SMALL BOAT FACILITIES<br>SITKA, ALASKA                                   |  |                                             |  |  |
| SCALE As shown<br>DATE September 1960<br>PROJ. NO. W 6108                      |  | APPROVED <i>R. A. Quinn</i><br>COMMISSIONER |  |  |
| SURVEYED BY _____                                                              |  | DRAWN BY GR _____ CHECKED BY RH _____       |  |  |

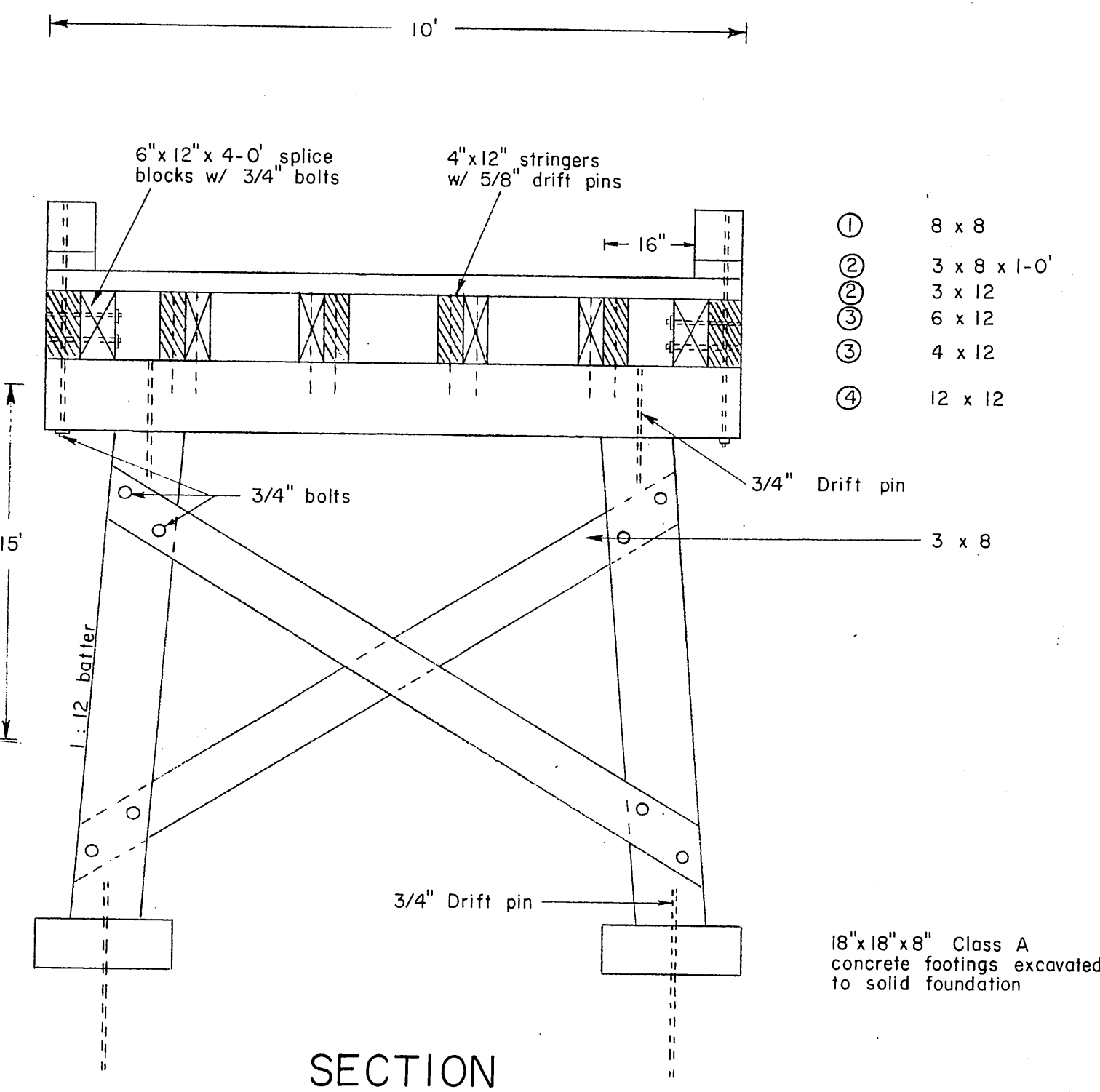
As Built March 1961

SHEET NO. 1 of 2 SHEETS

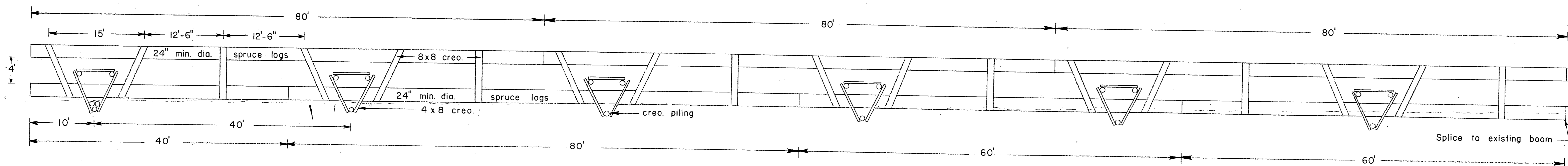




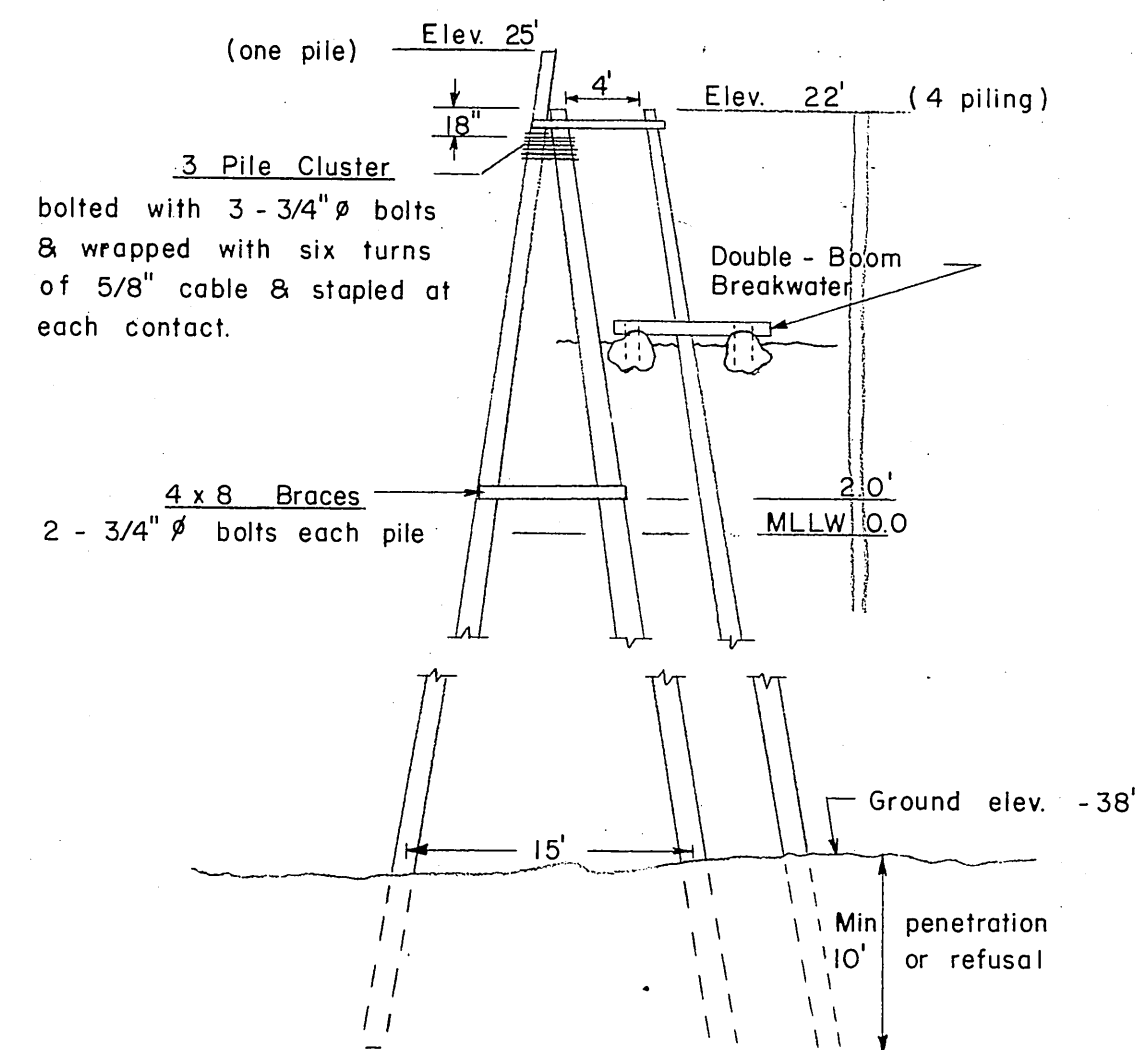
PROFILE  
APPROACH  
SCALE: 1" = 6'



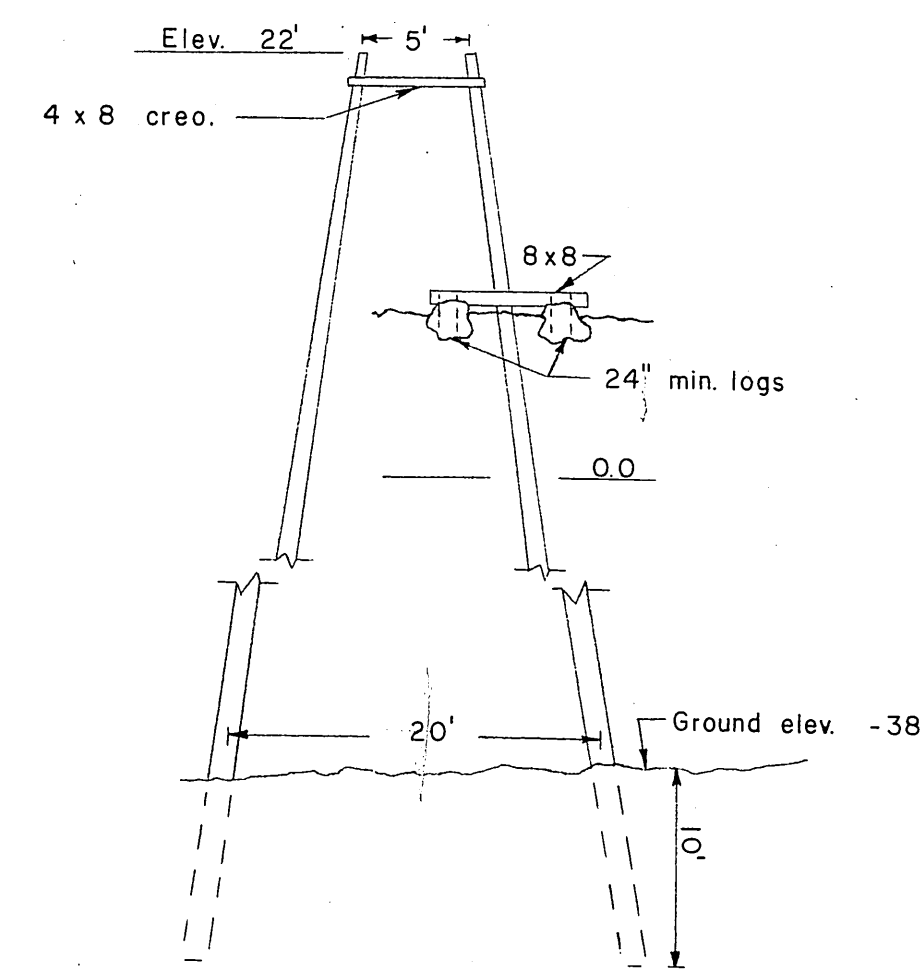
SECTION  
1/2" = 1'



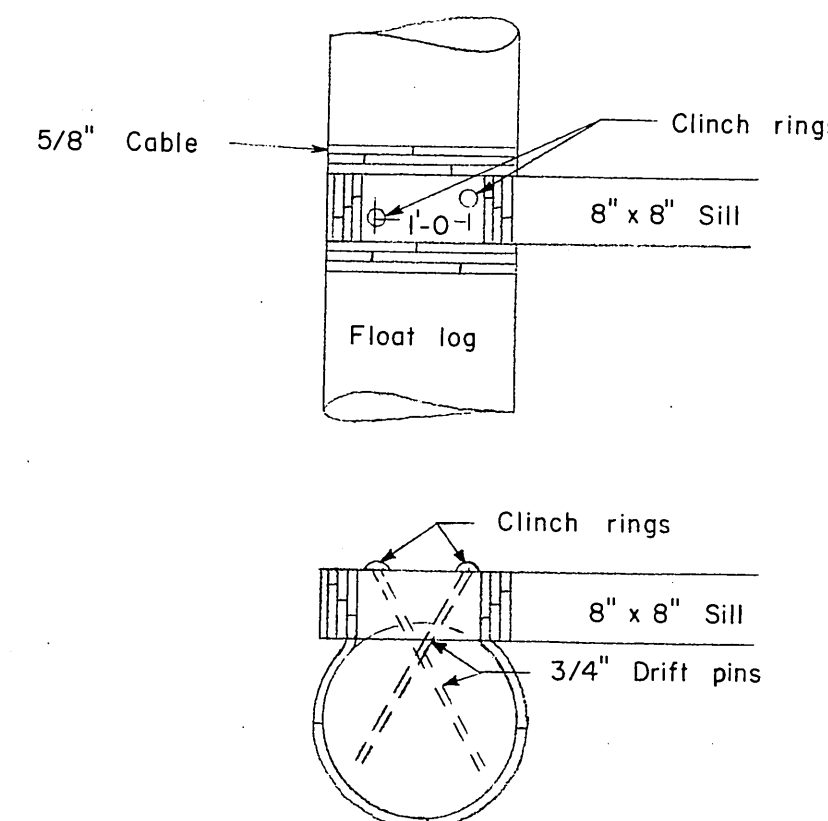
BREAKWATER PLAN  
1" = 10'



BREAKWATER SECTION  
1" = 10'



BREAKWATER SECTION  
1" = 10'



DRIFT PIN DETAIL  
1/2" = 1'

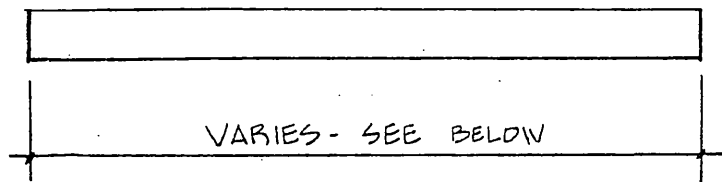
| STANDARD GRADING AND DRESSING RULES |                     |       |        |
|-------------------------------------|---------------------|-------|--------|
| ①                                   | SELECT MERCHANTABLE | ROUGH | SPRUCE |
| ②                                   | CONSTRUCTION        | SIS   | "      |
| ③                                   | SELECT STRUCTURAL   | S2E   | FIR    |
| ④                                   | "                   | ROUGH | "      |

**NOTES:**  
Stringers, braces and caps to be creo. fir timbers. Decking, blocking and railing to be creo. treated spruce. Decking will be secured with two 60d nails to each supporting member placed on alternate sides of each plank. 4 x 12 stringers to be lap-jointed. 6 x 12 stringers to be butt-jointed. Bracing on bents 6 thru 11 only. All hardware to be galvanized with a malleable iron washer between nut and wood surfaces in all instances. All cuts and drill holes to be treated with creo. oil. Bolts to be economy headed type. Blocking to be toe nailed with two 40d nails.  
Piling lengths as shown are approximate only. All piles shall be hand set bents 1 thru 8. Excavate each footing to a level surface in solid material and where rock is encountered, drift shall extend 18" into rock and be grouted in place. Drift shall project at least 8" into pile.

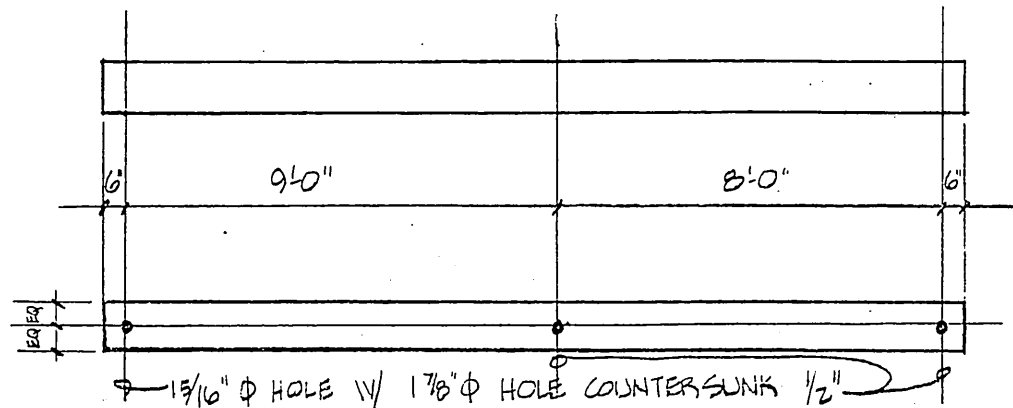
**NOTE:**  
Log lengths as shown. 8 x 8 creo. sill to be secured to log with 6 wraps of 5/8" cable, collaring sill figure 8 fashion. All timber 12lb. retention creo.

|                                                                                |      |                                       |    |
|--------------------------------------------------------------------------------|------|---------------------------------------|----|
| NO.                                                                            | DATE | REVISION                              | BY |
| STATE OF ALASKA<br>DEPARTMENT OF PUBLIC WORKS<br>DIVISION OF WATER AND HARBORS |      |                                       |    |
| SITKA SMALL BOAT FACILITIES<br>SITKA, ALASKA                                   |      |                                       |    |
| SCALE As shown                                                                 |      | APPROVED R.A. Downing<br>COMMISSIONER |    |
| DATE October, 1960                                                             |      | SURVEYED BY                           |    |
| PROJ. NO. W-6108                                                               |      | DRAWN BY GR CHECKED BY RH             |    |
| SHEET 2 OF 2                                                                   |      |                                       |    |

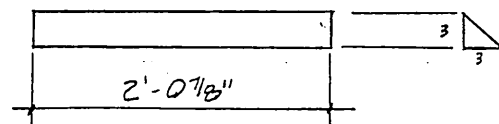
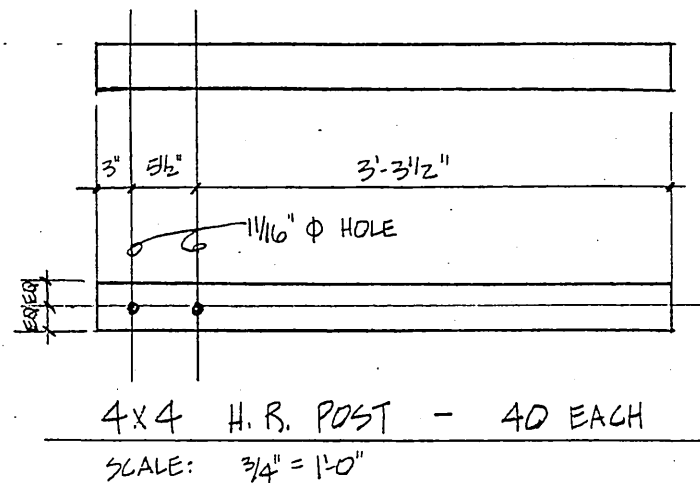




|      |              |                                       |
|------|--------------|---------------------------------------|
| 2x4  | BAILING      | 18 EA @ 17'-0" (FROM 18'-0" PIECE)    |
| 2x4  | GANGWAY DECK | 1 EA @ 16'-5 5/8" (FROM 18'-0" PIECE) |
| 2x4  | " "          | 2 EA @ 8'-5 5/8" (FROM 18'-0" PIECE)  |
| 2x4  | " "          | 5 EA @ 20'-0"                         |
| 2x4  | " "          | 2 EA @ 21'-0" (FROM 22'-0" PIECE)     |
| 2x6  | BAILING      | 34 EA @ 17'-0" (FROM 18'-0" PIECE)    |
| 2x6  | " "          | 6 EA @ 18'-0"                         |
| 2x10 | DECKING      | 1400 EA @ 10'-0" (MILLED PER PLANS)   |
| 2x10 | " "          | 30 EA @ 12'-0" (MILLED PER PLANS)     |
| 2x12 | " "          | 3 EA @ 13'-0" (FROM 14'-0" PIECE)     |
| 2x12 | " "          | 3 EA @ 16'-5 5/8" (FROM 18'-0" PIECE) |
| 2x12 | " "          | 2 EA @ 8'-5 5/8" (FROM 18'-0" PIECE)  |
| 2x12 | " "          | 5 EA @ 20'-0"                         |
| 2x12 | " "          | 2 EA @ 21'-0" (FROM 22'-0" PIECE)     |
| 3x6  | MID SILL     | 164 EA @ 10'-0"                       |
| 3x6  | " "          | 4 EA @ 12'-0"                         |
| 3x10 | TOP TIE      | 2 EA @ 10'-0"                         |
| 4x6  | STRINGER     | 2 EA @ 20'-0"                         |



12 X 12 GRID CAP - 11 EACH @ 18'-0"  
SCALE: 1/4" = 1'-0"



3 X 3 TREADS - 40 EA.

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

This sheet to be same as the one approved 12-9-74

DCW

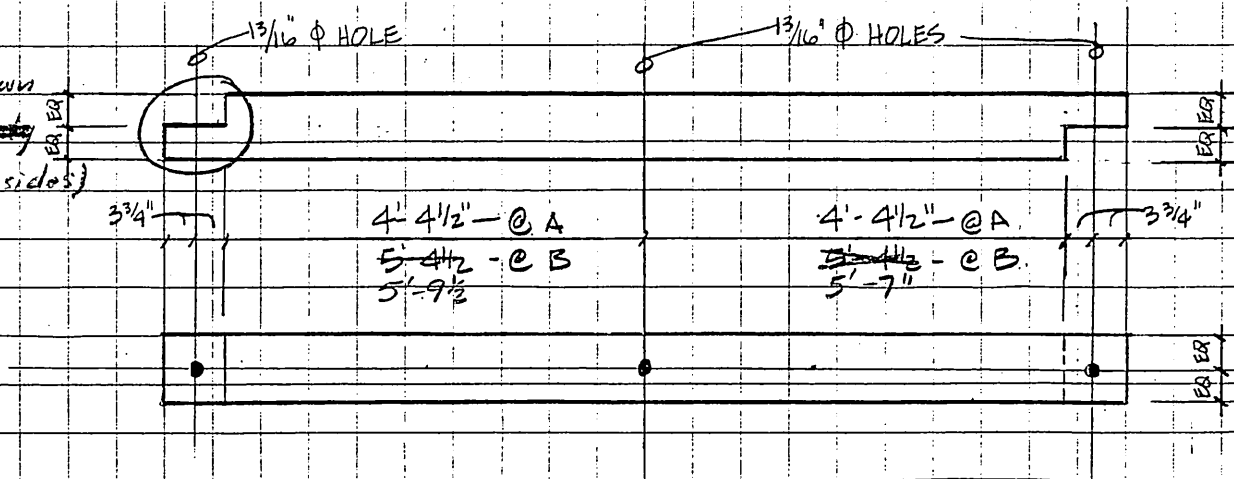
DAWSON CONSTRUCTION CO.

P. O. Box 309  
Bellingham, Washington 98225

GRIDS, DECKING, BAILING & MIS.

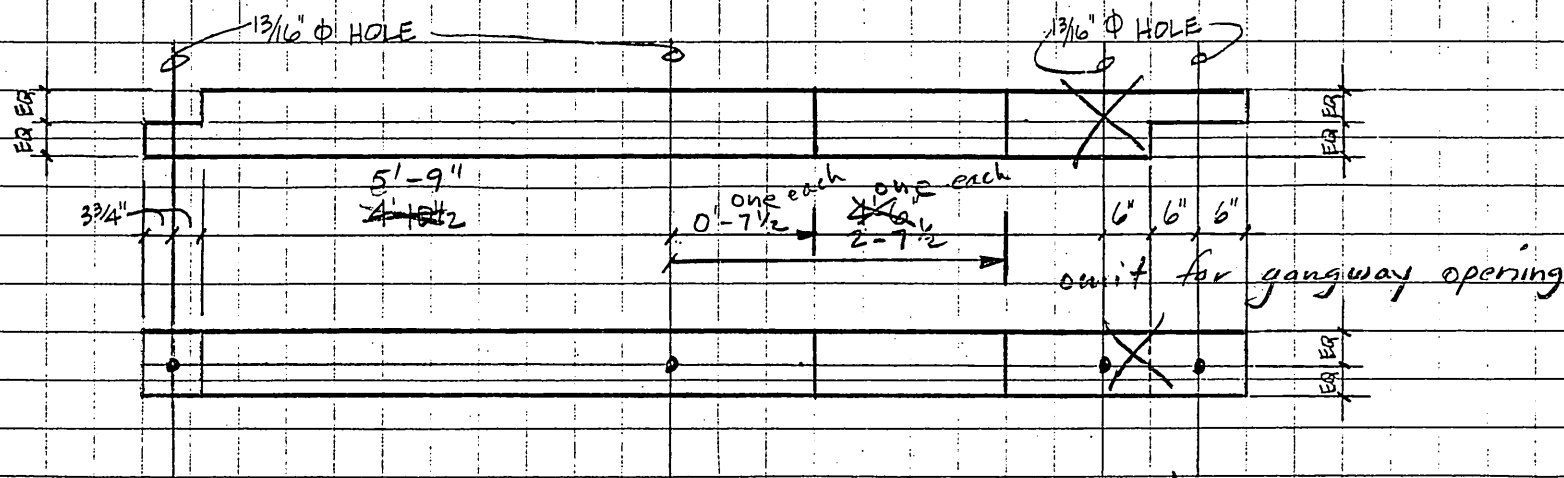
DATE: 12/1/74

opposite dapp <sup>from this</sup> as shown  
for (A), ~~tie down~~  
(dapp @ same elev. ~ both sides)



- (A) - 8x8 TIEDOWN - FLOAT END - 4 EACH (FROM 2-20' PIECES)  
(B) - 8x8 TIEDOWN - @ GANGWAY AREA - 2 EACH

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



- (C) 8x8 TIEDOWN - @ GANGWAY AREA 1 EACH 8x8x7'  
1 " 8x8x9'

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

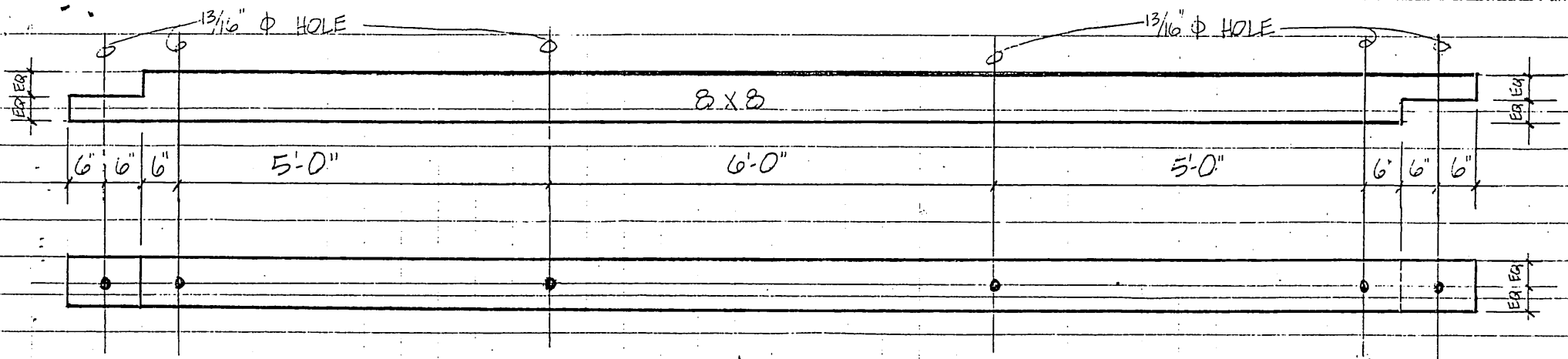
12-12-74

DCW

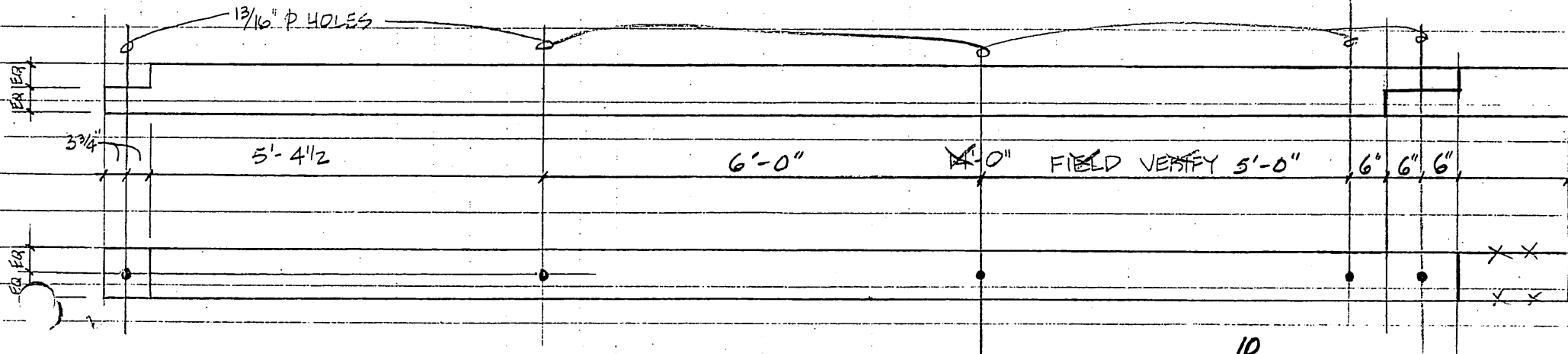
DAWSON CONSTRUCTION CO.  
P. O. Box 309  
Bellingham, Washington 98225

TIEDOWNS

DATE: 12/12/74



(F) <sup>01</sup> 3x3 TIEDOWNS - TYP. 90 EACH  
SCALE: 1/2" = 1'-0"



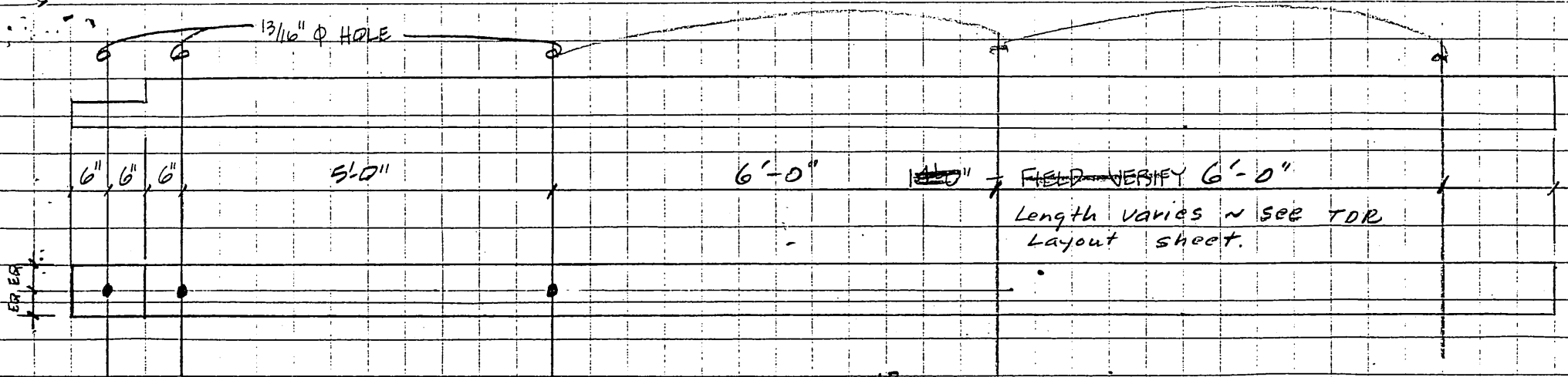
(G) 3x3 TIEDOWNS - AT FLOATS ENDS 10 EACH (Length varies)  
SCALE: 1/2" = 1'-0"  
7-18'-6" lengths as per layout Std.  
2-14'-1 1/2" "  
1-7'-6" "

DAWSON CONSTRUCTION CO.

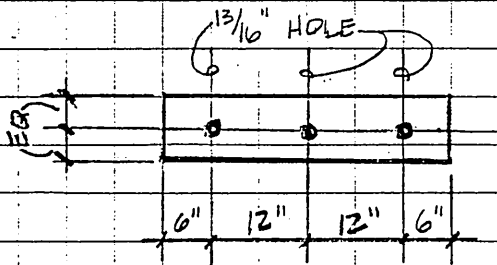
P. O. Box 309  
Bellingham, Washington 98225

TIEDOWNS

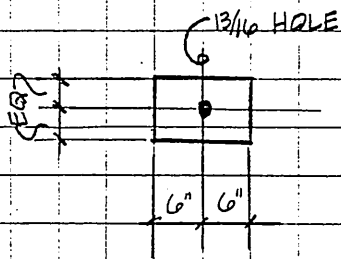




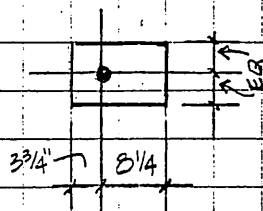
(H) 8x8 TIEDOWN - 13 EACH  
 8x8 TIEDOWN - 2 EACH NO FABRICATION (Good idea)  
 SCALE:  $\frac{1}{2}" = 1'-0"$



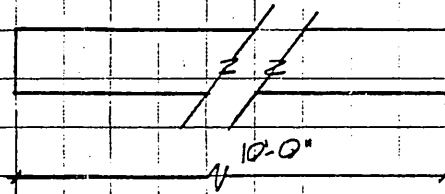
4x8 SCUPPER - 106 EA @ 3'-0"  
 SCALE:  $\frac{1}{2}" = 1'-0"$



4x8 SCUPPER - 237 EA @ 1'-0"  
 SCALE:  $\frac{1}{2}" = 1'-0"$



4x8 SCUPPER - 12 EA @ 1'-0"  
 SCALE:  $\frac{1}{2}" = 1'-0"$



4x8 SCUPPER - 10'-0"  
 SCALE:  $\frac{1}{2}" = 1'-0"$   
 USE FOR FIELD-CUT PIECES

same notes apply as in  
 12-9-74  
 previous drawings  
 12-12-74 DCW

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 Bellingham, Washington 98225

SCUPPERS & TIEDOWNS

BY: T.B. DATE: 12/2/74 CUT Arc: