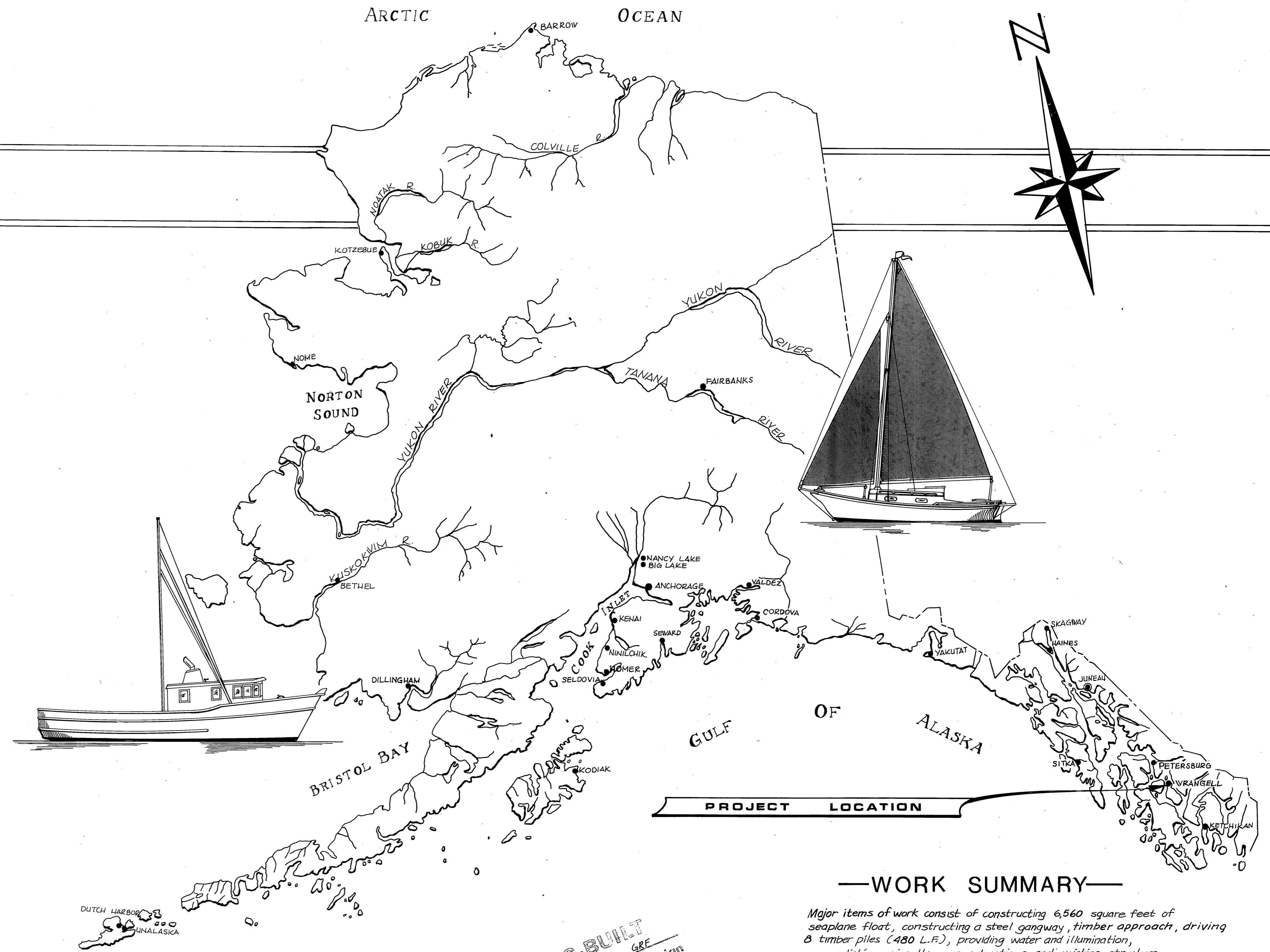


WRANGELL SEAPLANE FLOAT

PROJECT NO.

ADAP 5-02-0324-01



PROJECT LOCATION

—WORK SUMMARY—

Major items of work consist of constructing 6,560 square feet of seaplane float, constructing a steel gangway, timber approach, driving 8 timber piles (480 L.F.), providing water and illumination, accomplishing miscellaneous relocations and existing structure removal. Cannery waste removal under gangway float *as-built note*

AS-BUILT
 Date: 7-21-81 GRF
 Division of Harbor Design
 and Construction

INDEX TO SHEETS

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| 1 | TITLE SHEET | |
| 2 | PROJECT LAYOUT | |
| 3 | DECK PLAN, ELEVATIONS & PILE DETAILS | |
| 4 | STRINGER DIAGRAM & SECTIONS | |
| 5 | RAMP FRAMING DETAILS | |
| 6 | GANGWAY FLOAT DETAILS | |
| 7 | PILE COLLAR AND SPLICE DETAILS | |
| 8 | TIMBER APPROACH | |
| 9 | 60' STEEL GANGWAY SHT.-A | |
| 10 | 60' STEEL GANGWAY SHT.-B | |
| 11 | WATER DETAILS | |
| 12 | ELECTRICAL PLAN & DETAILS | |

STATE
OF
ALASKA

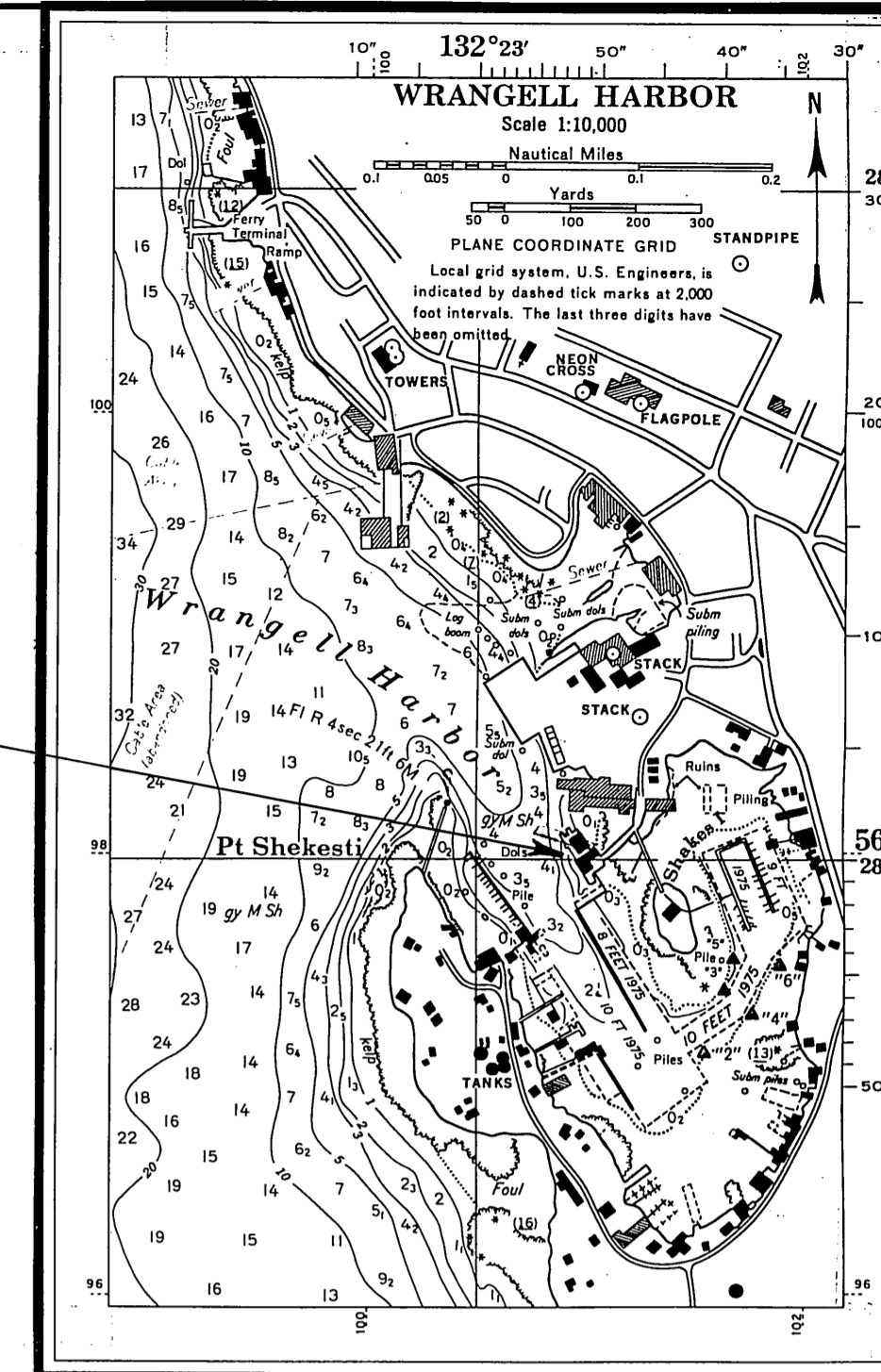
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
**DIVISION OF HARBOR
 DESIGN & CONSTRUCTION**

APPROVED

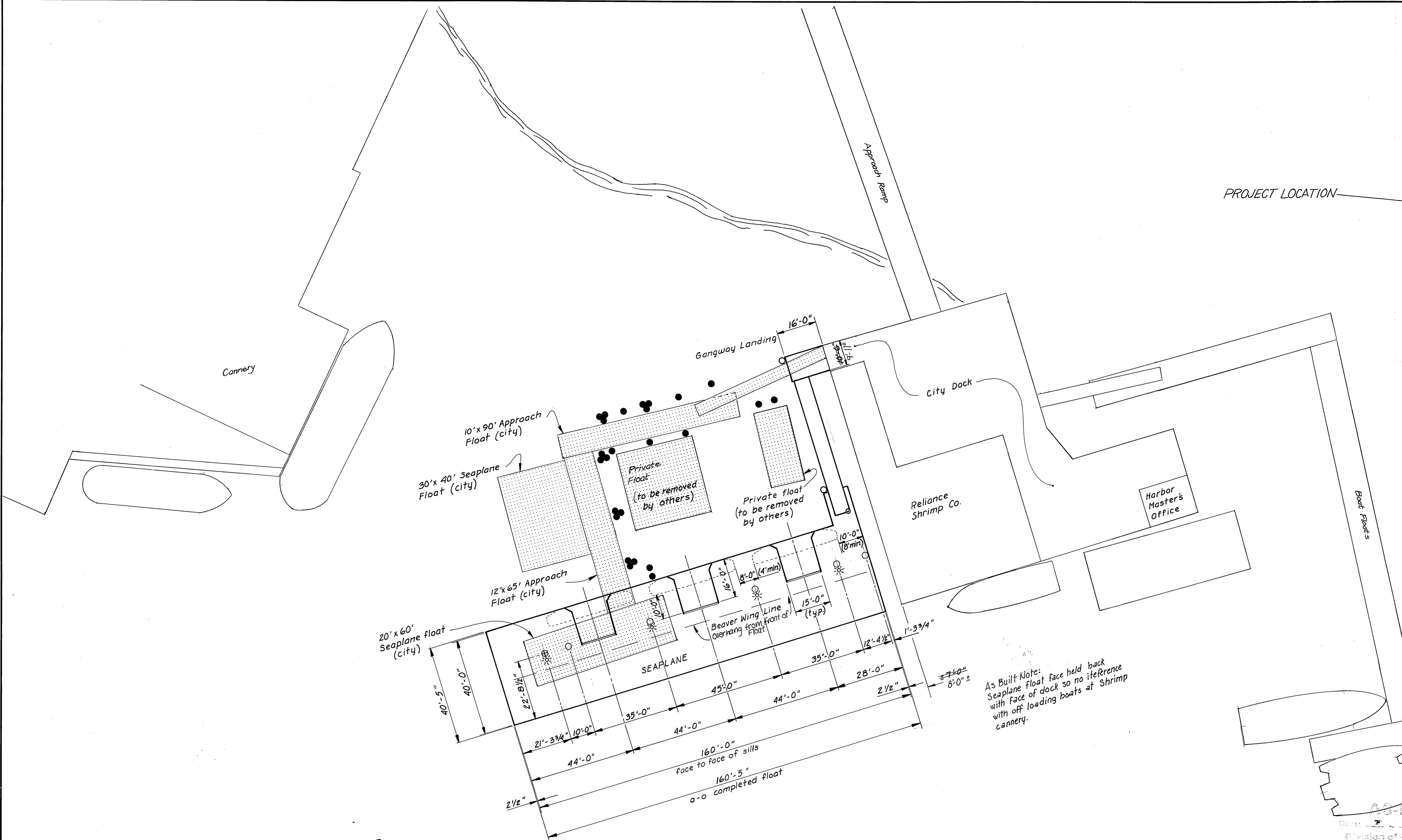
Don Statter

DATE 6/3/80

SHEET 1 OF 12



PROJECT LOCATION

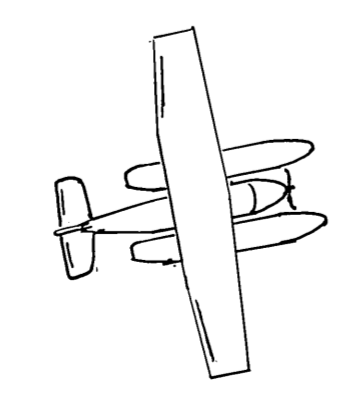


As Built Note:
Seaplane float face held back
with face of dock so no interference
with off loading boats at Shrimp
cannery.

DESIGN ASSUMPTIONS

Wind Loading : 25 psf
Wave Height : 3.1'
Length : 60'
Period : 3.4 sec
Deck Loading : 12 psf, uniform

WRANGELL HARBOR



LEGEND

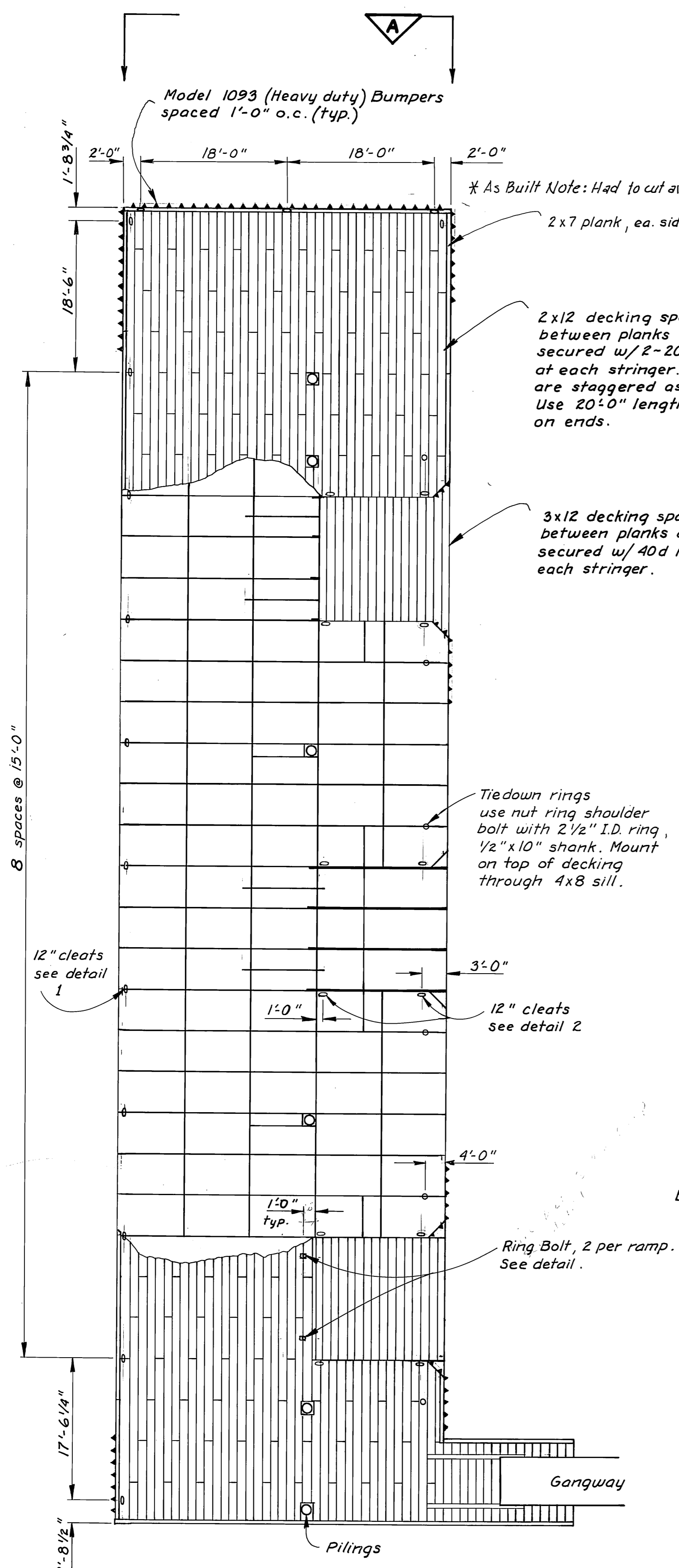
- ⊕ Steel piling 1 @ 59'-0"
- Piling - 7 @ 60'-0" ea, timber
- ☼ Light
- ⊙ Water
- ▨ Existing, to be removed
- Piles, to be removed

Note: Those floats marked (city) shall be removed by the contractor and delivered to the city, see specification section 720.

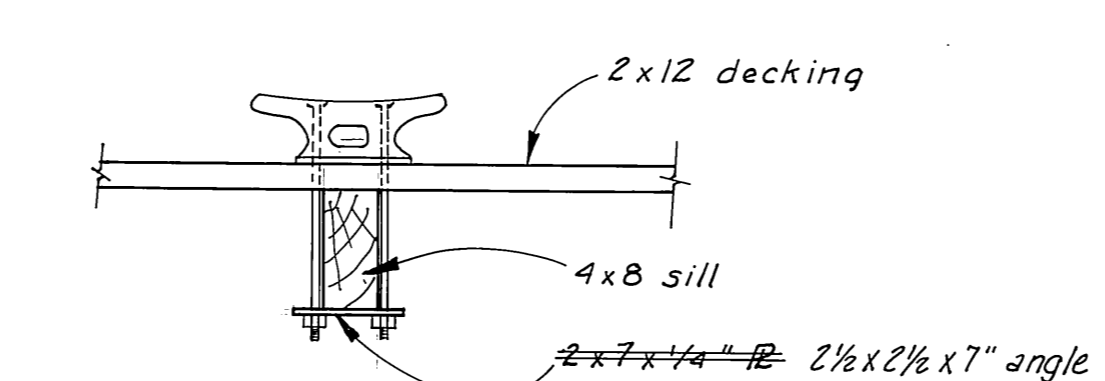
AS-BUILT AS-BUILT
Date: 7-21-81 GRE
Division of Harbor Design and Construction

| | | | |
|---|---------------|--|--|
| STAMP | | DO NOT SCALE THIS DRAWING - USE DIMENSIONS | |
| STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION | | | |
| WRANGELL SEAPLANE FLOAT | | | |
| SCALE 1" = 20' | SURVEYED | APPROVED | |
| DESIGNED BS | DRAWN BS | Robert P. Beck CHIEF OF DESIGN | |
| CHECKED HM | DATE 2-13-80 | | |
| PROJECT NUMBER ADAP 5-02-0324-01 | SHEET 2 OF 12 | | |

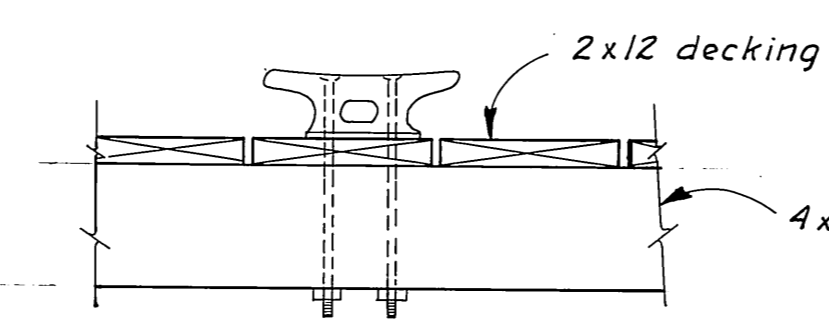




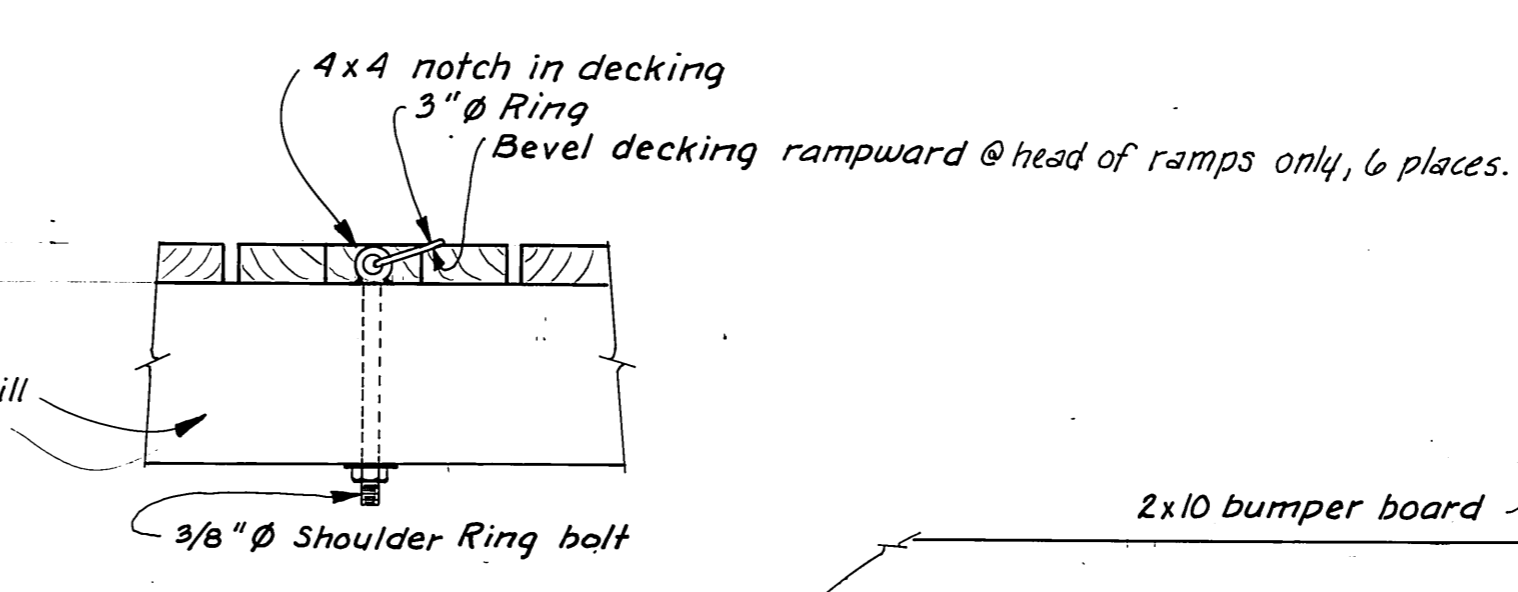
BUMPER, CLEAT & DECKING PLAN
1" = 10'-0"



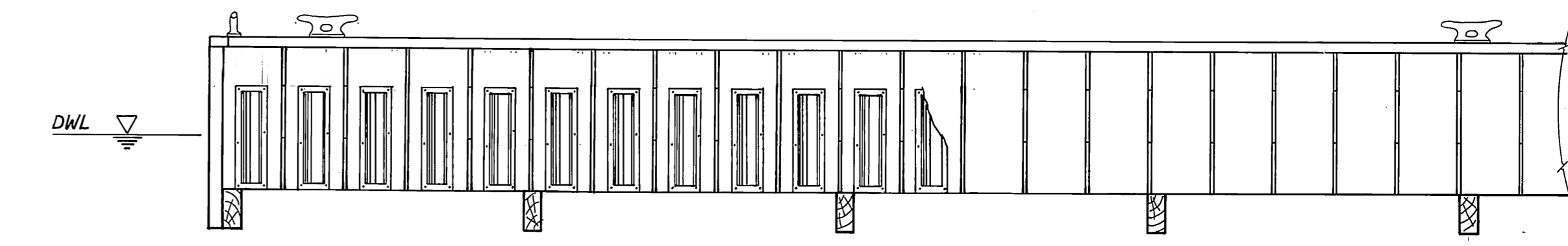
CLEAT DETAIL 1
1" = 1'-0"



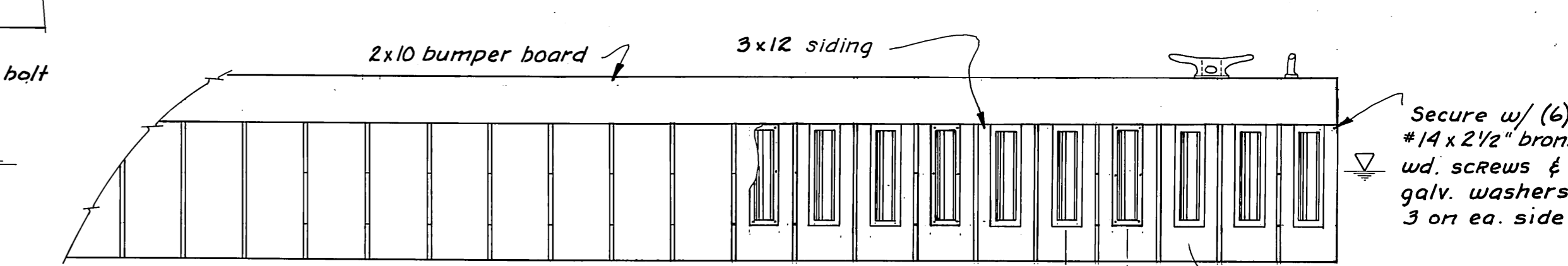
CLEAT DETAIL 2
1" = 1'-0"



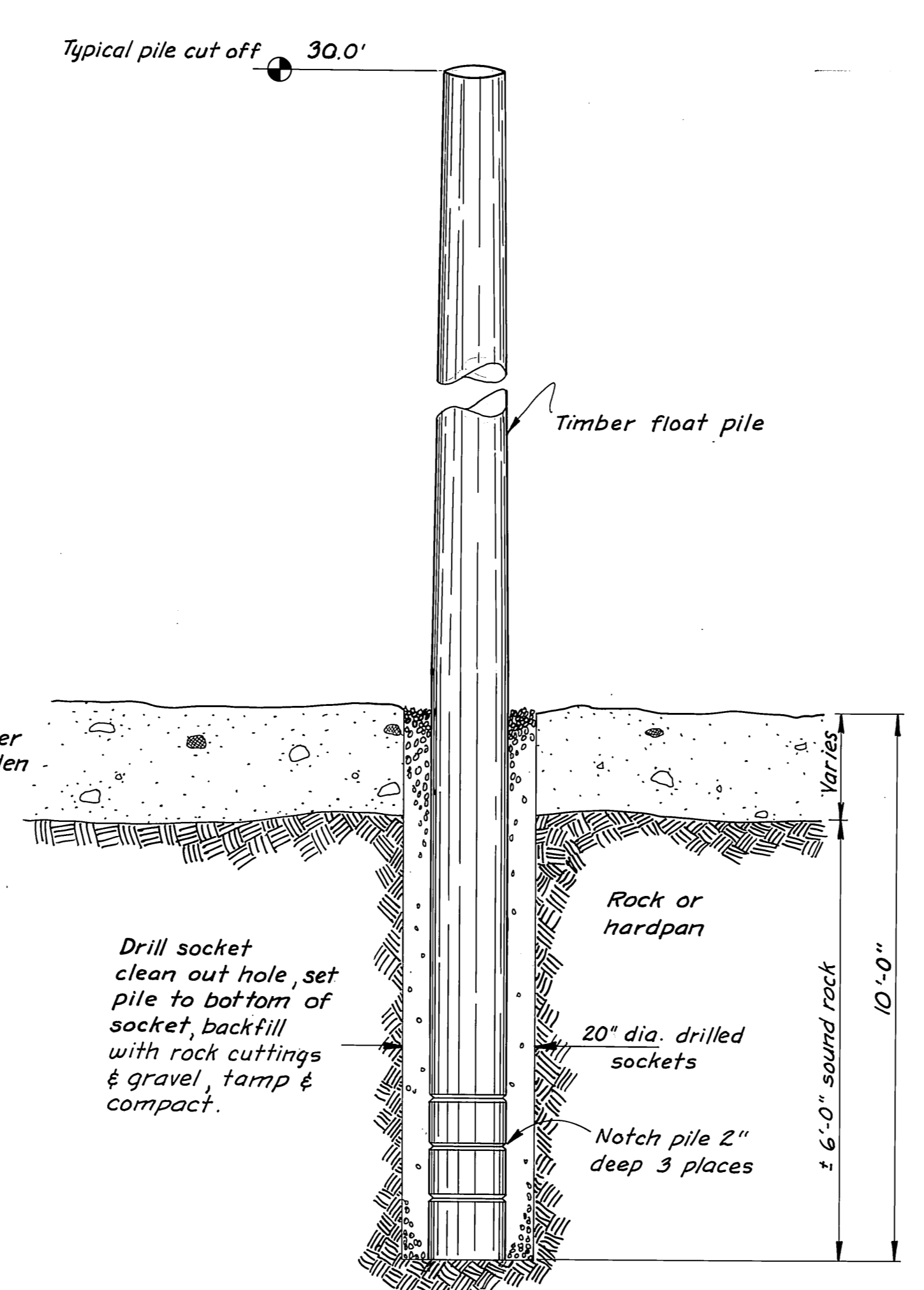
RING BOLT DETAIL
1 1/2" = 1'-0"



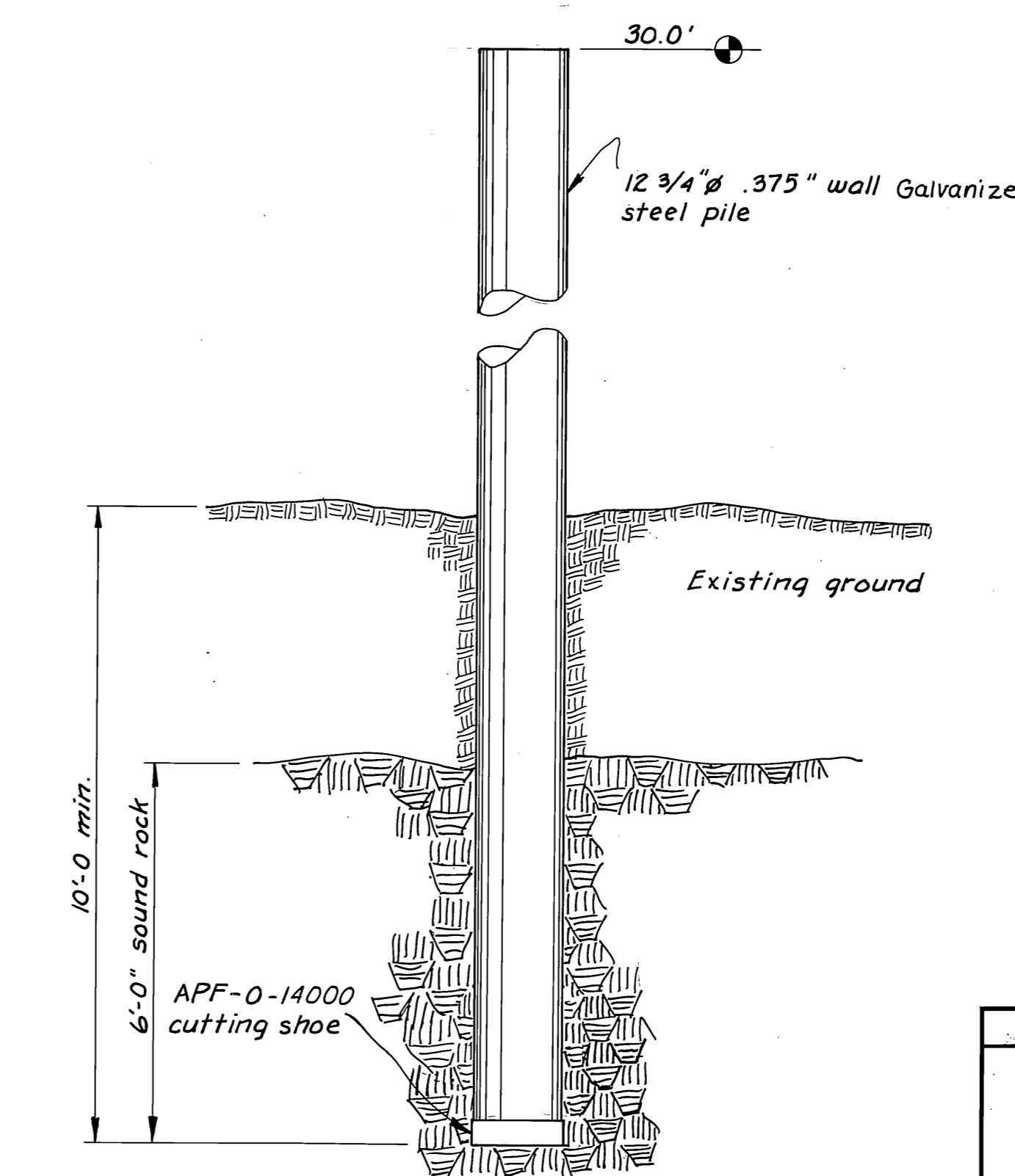
ELEVATION B
1/2" = 1'-0"



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



FLOAT PILE SOCKET DETAIL
N.T.S.



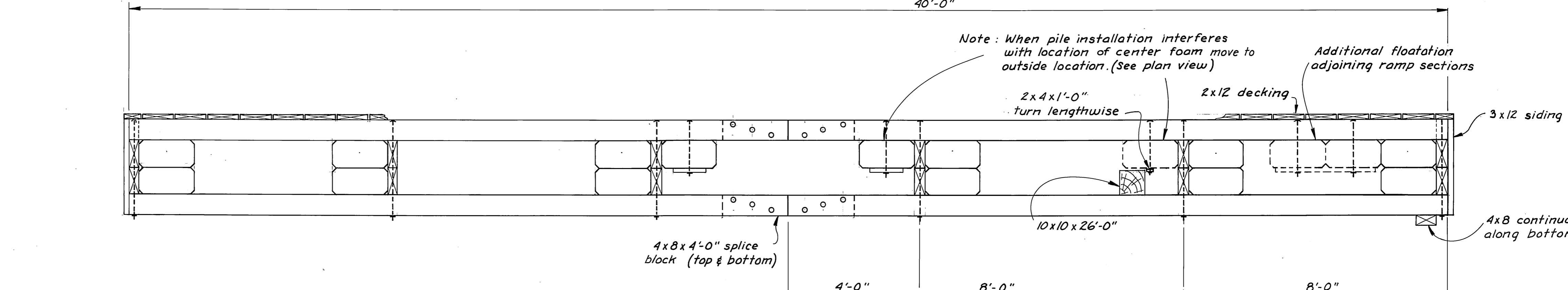
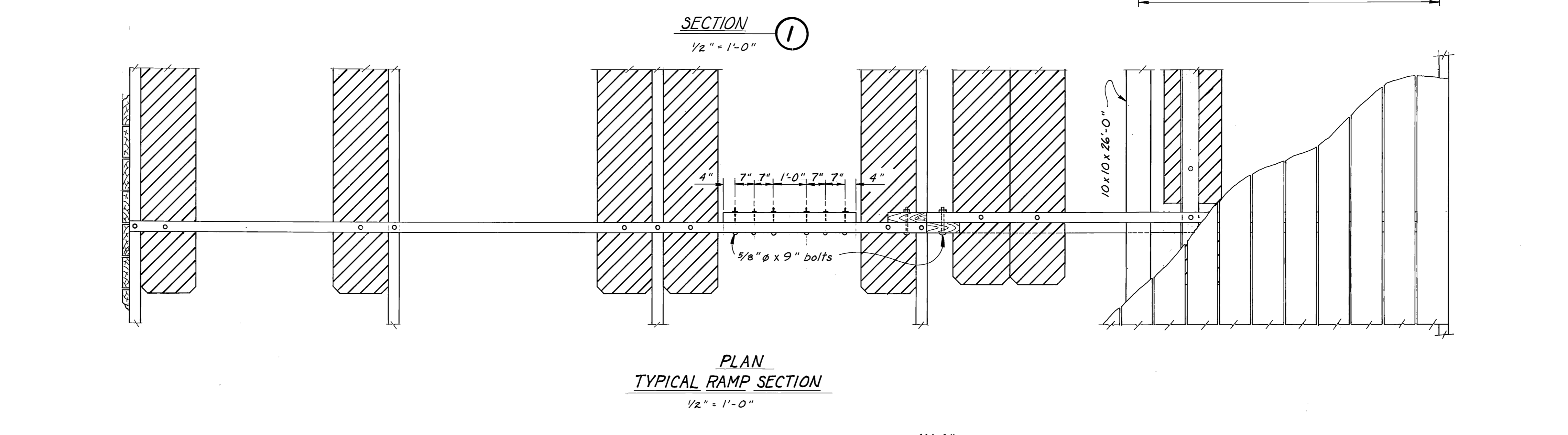
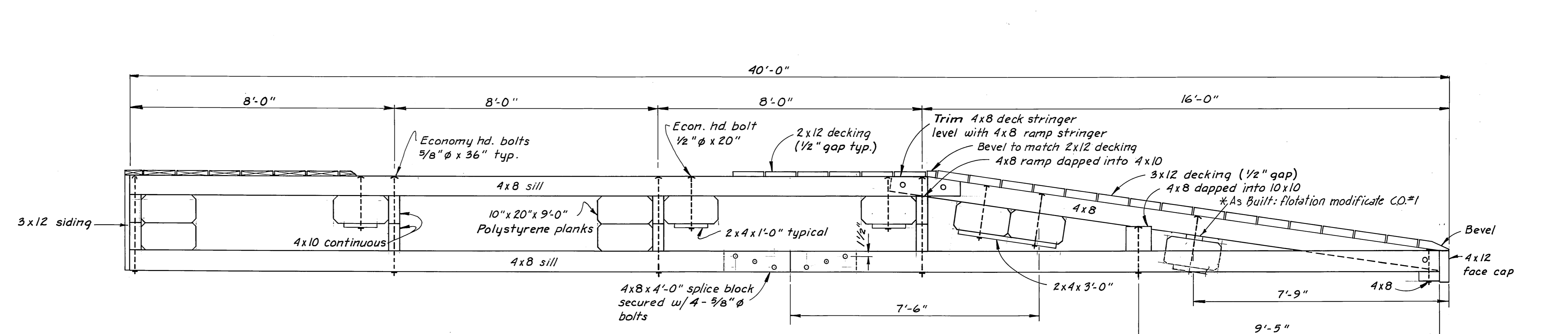
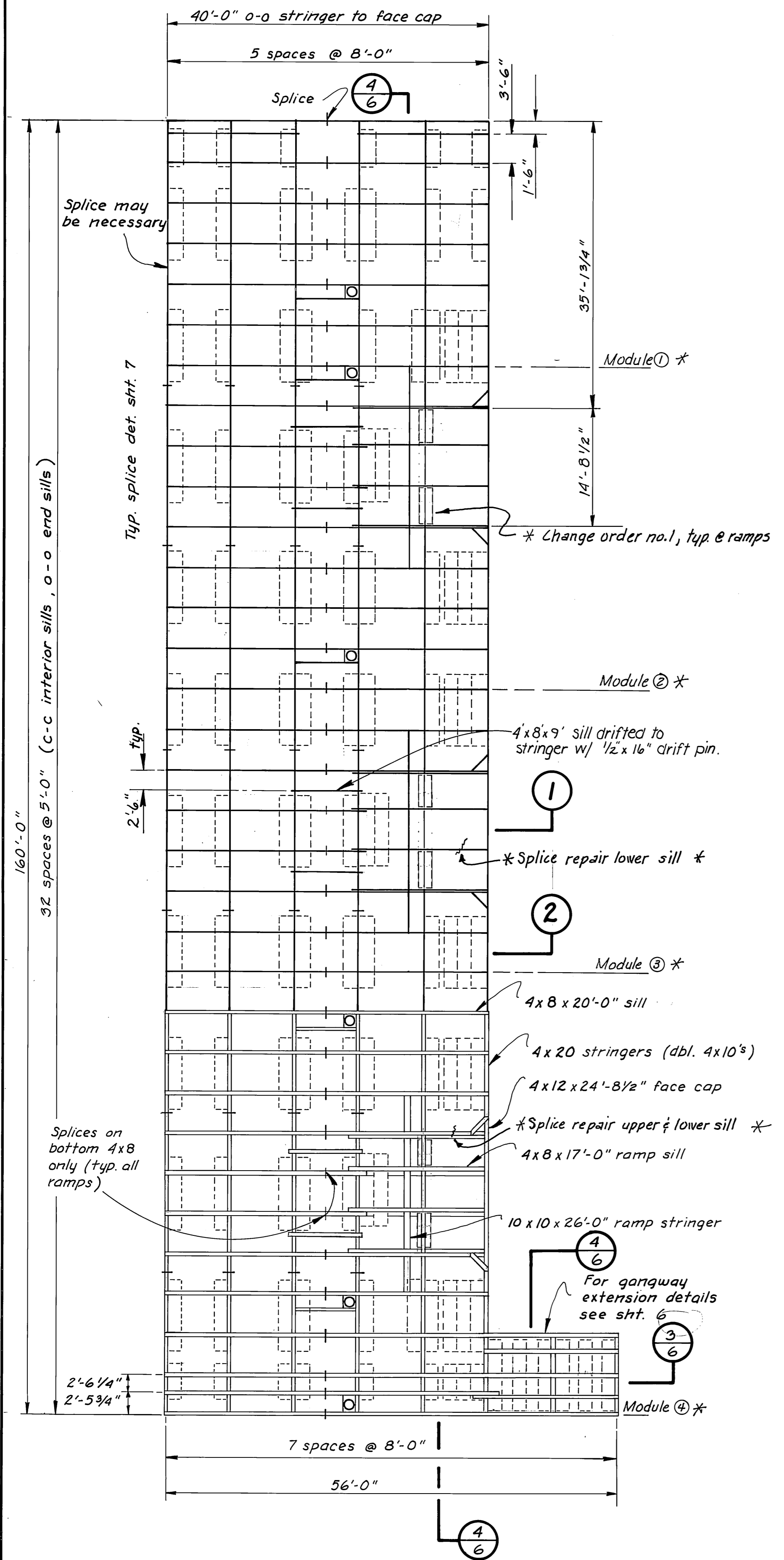
ALTERNATE to DRILLED TIMBER PILE
N.T.S.

| MATERIALS | | |
|-----------------------|--------------|-----------|
| ITEM | DRESSING | TREATMENT |
| 2x12 DECKING | SIS-2E | PENTA |
| 3x12 DECKING | " | PENTA |
| 3x12 SIDING | " | CREOSOTE |
| 2x7 DECKING | " | PENTA |
| 2x10 BUMPER BOARD | S-4-S | CREOSOTE |
| 4x10 STRINGERS | ROUGH 4"x10" | CREOSOTE |
| 3x8 CORNER PIECES | S-4-S | CREOSOTE |
| 3x10 CORNER PIECES | S-4-S | CREOSOTE |
| 4x8 SILLS | S-4-S | CREOSOTE |
| 10x10 RAMP STRINGER | ROUGH | " |
| 3x12 Ramp side boards | " | PENTA |
| (See Specs) | | |

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| | | |
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| | STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION | |
| DECK PLAN, ELEVATIONS & PILE DETAILS | | |
| SCALE <i>As Noted</i> | SURVEYED | APPROVED |
| DESIGNED <i>B.S.</i> | DRAWN <i>T.S.</i> | Robert P. Beck |
| CHECKED <i>HM</i> | DATE <i>3/80</i> | CHIEF OF DESIGN |
| PROJECT NUMBER <i>ADAP 5-02-0324-01</i> | SHEET <i>3</i> OF <i>12</i> | |

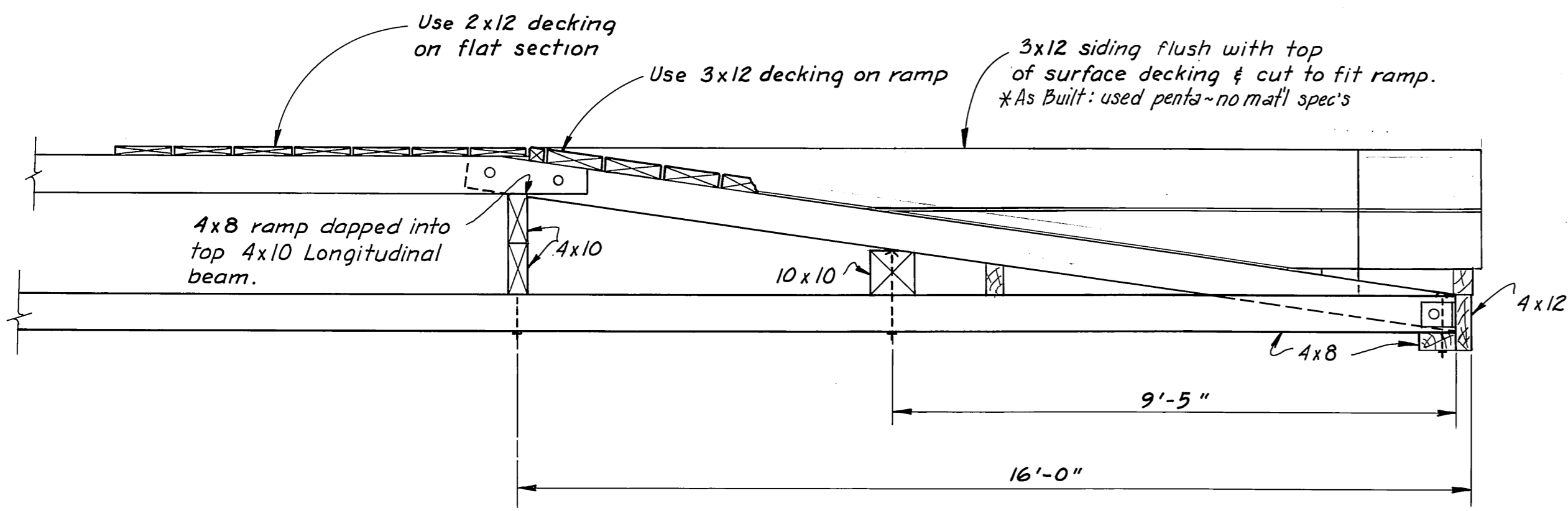
*AS BUILT NOTE: NO DRILLING REQUIRED



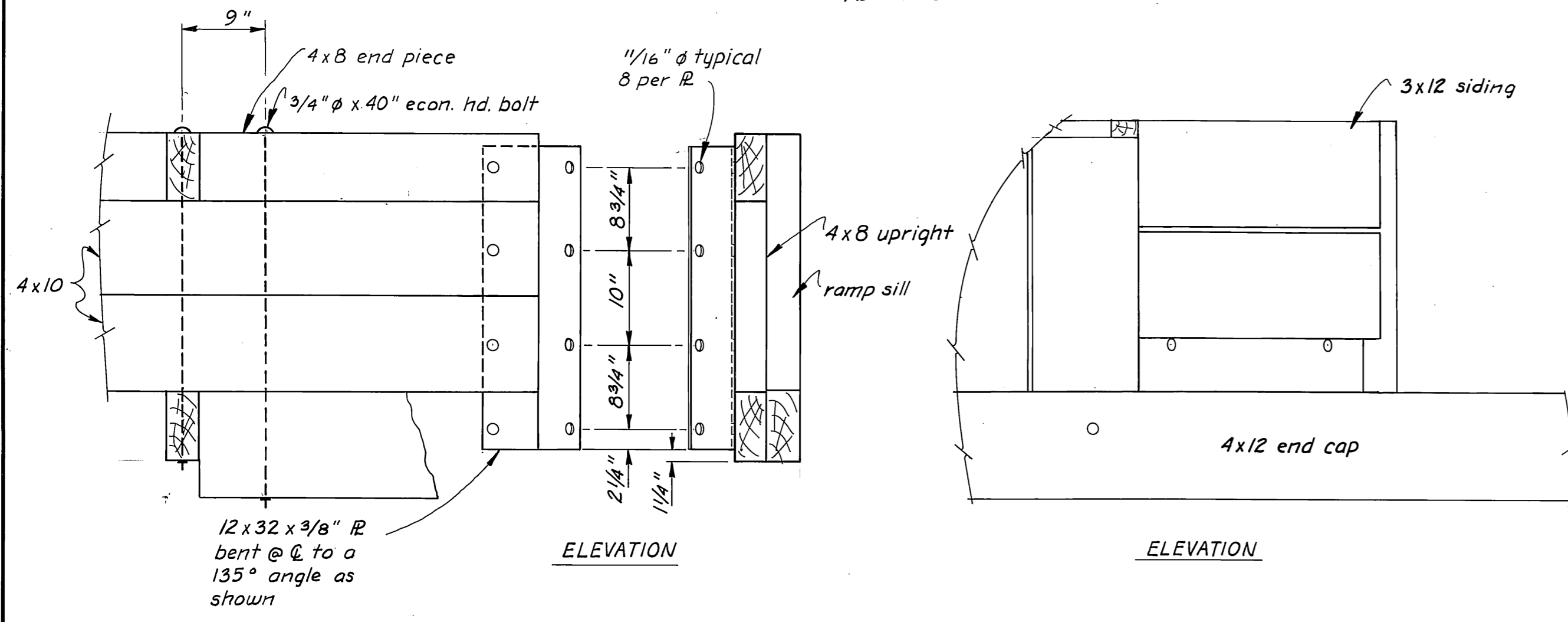
Notes:
All hardware to be hot-dipped galvanized. A malleable iron washer shall be placed between all nut and wood surfaces. All bolts to be of the economy head type. Bolt holes to be drilled 1/16" oversize except sill bolt holes for flotation planks, 1/8" oversize. All field drilled holes shall be treated with hot creosote oil. All pressure treated material shall be cut to size prior to treatment.
All bolt heads facing decking shall be countersunk 1/4" previous to treatment. A barrier of 6 mil black polyethylene shall be placed between the contact surfaces of all creosote timber and flotation material (except float siding members)

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| | | | |
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| | | STRINGER DIAGRAM & SECTIONS | |
| SCALE: As Noted | SURVEYED: | APPROVED: | |
| DESIGNED: BS. | DRAWN: T.S. | Robert P. Beck | |
| CHECKED: HM | DATE: 3/80 | CHIEF OF DESIGN | |
| PROJECT NUMBER: ADAP 5-02-0324-01 | SHEET: 4 OF 12 | | |

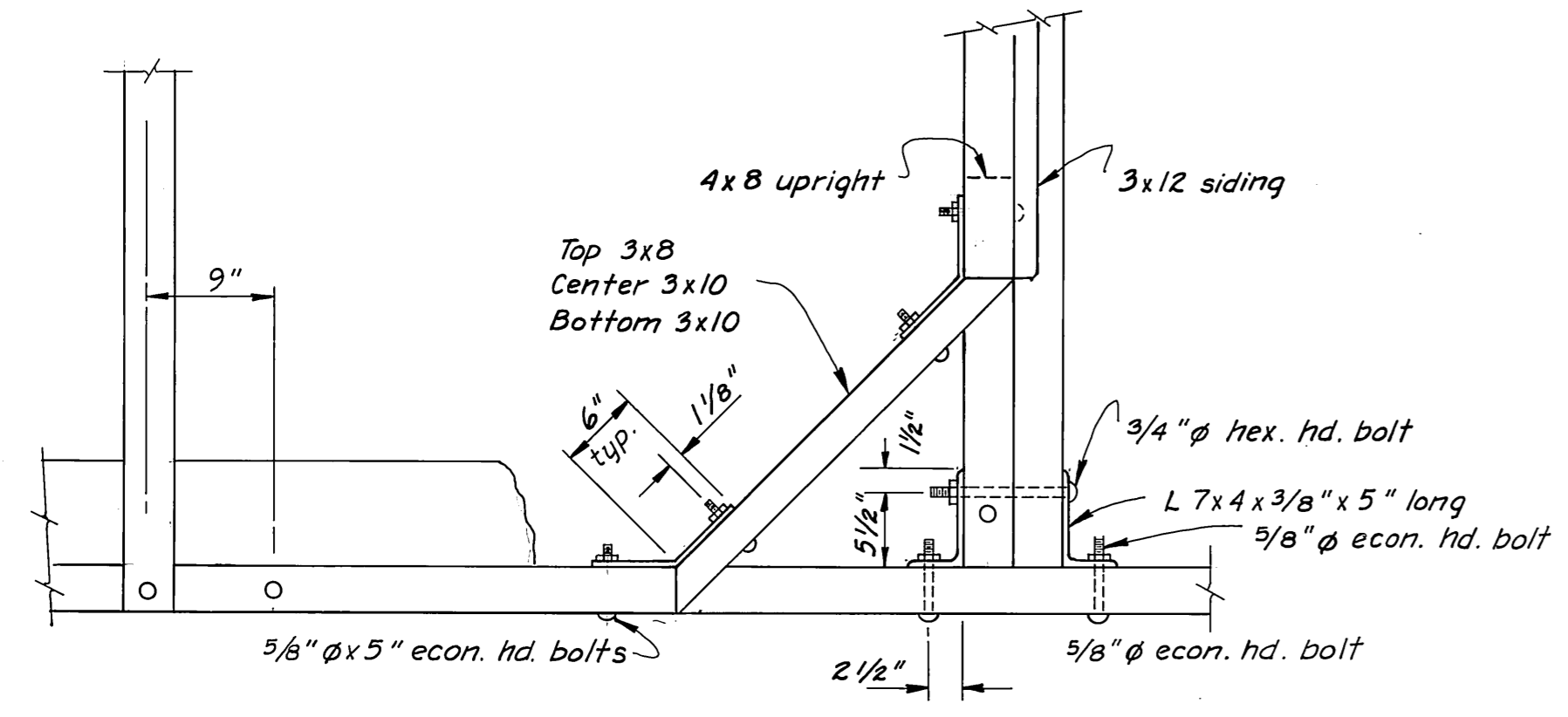


RAMP SECTION 1
1/2" = 1'-0"

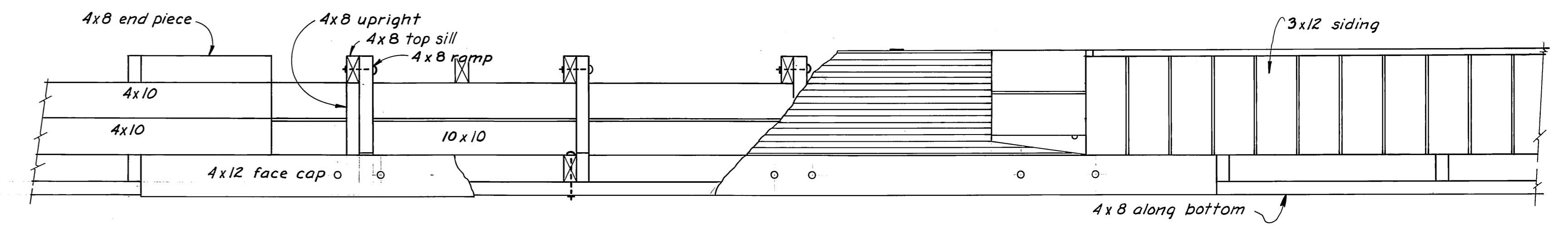


ELEVATION

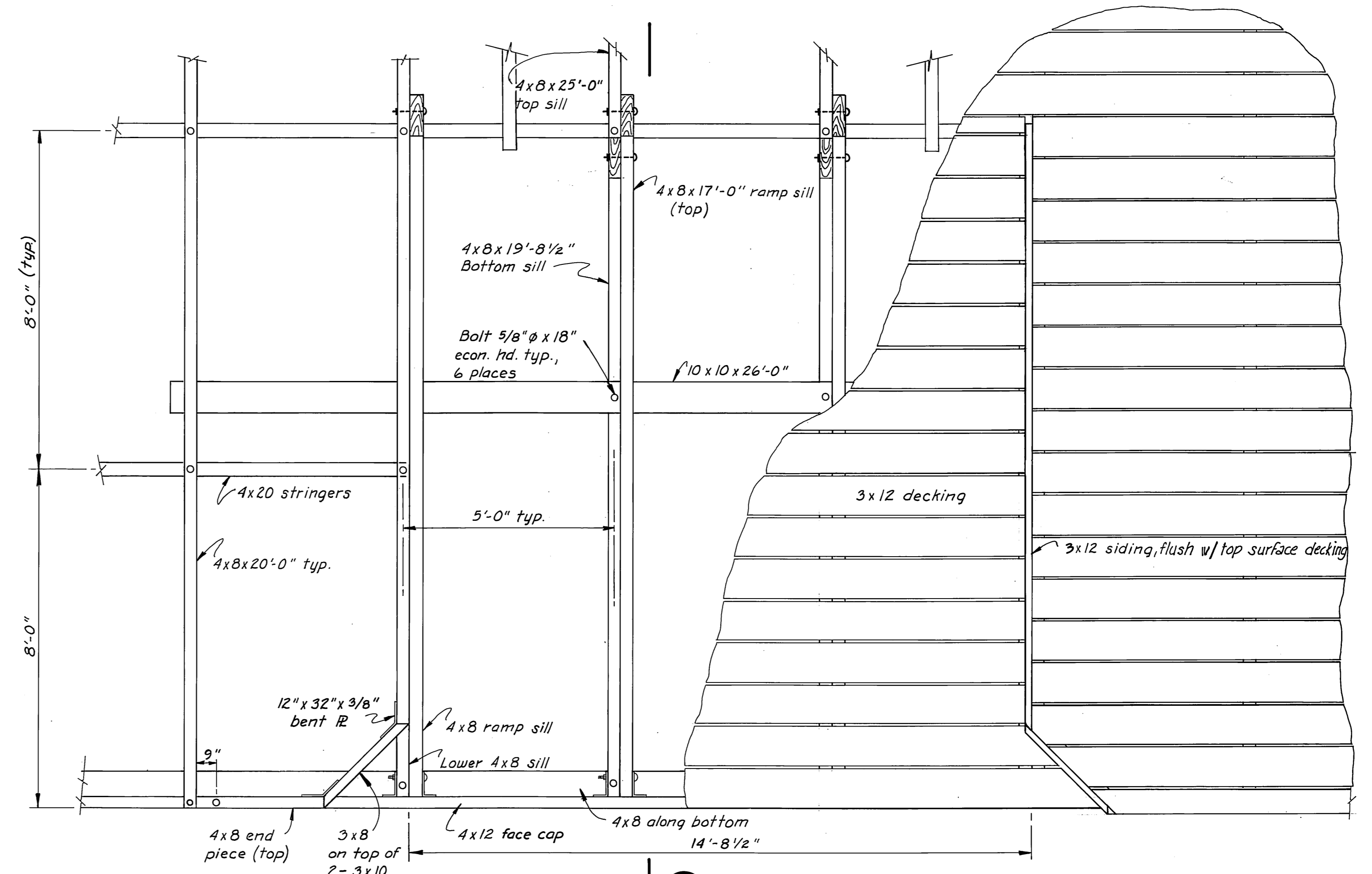
ELEVATION



CORNER FRAMING DETAILS
(typical)
1" = 1'-0"



ELEVATION

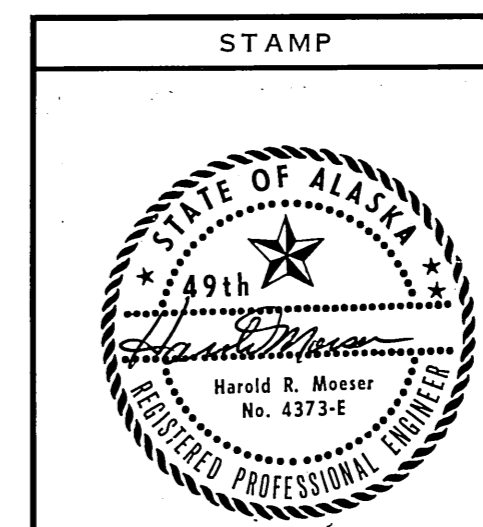


PLAN

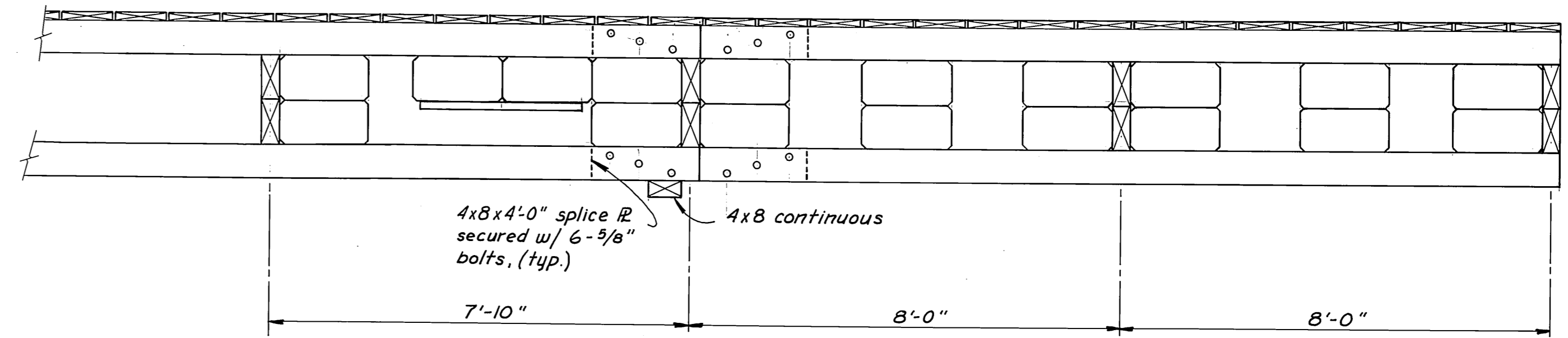
TYPICAL RAMP FRAMING
1/2" = 1'-0"

AS-BUILT

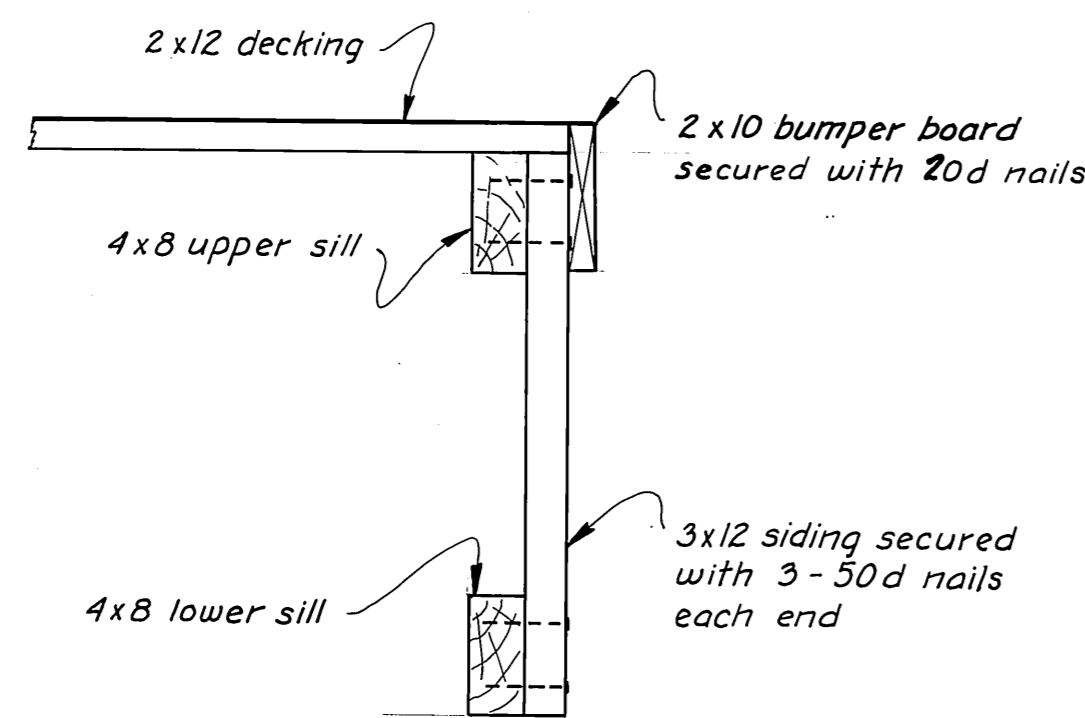
Date: 7-21-81 GRF
Division of Harbor Design and Construction



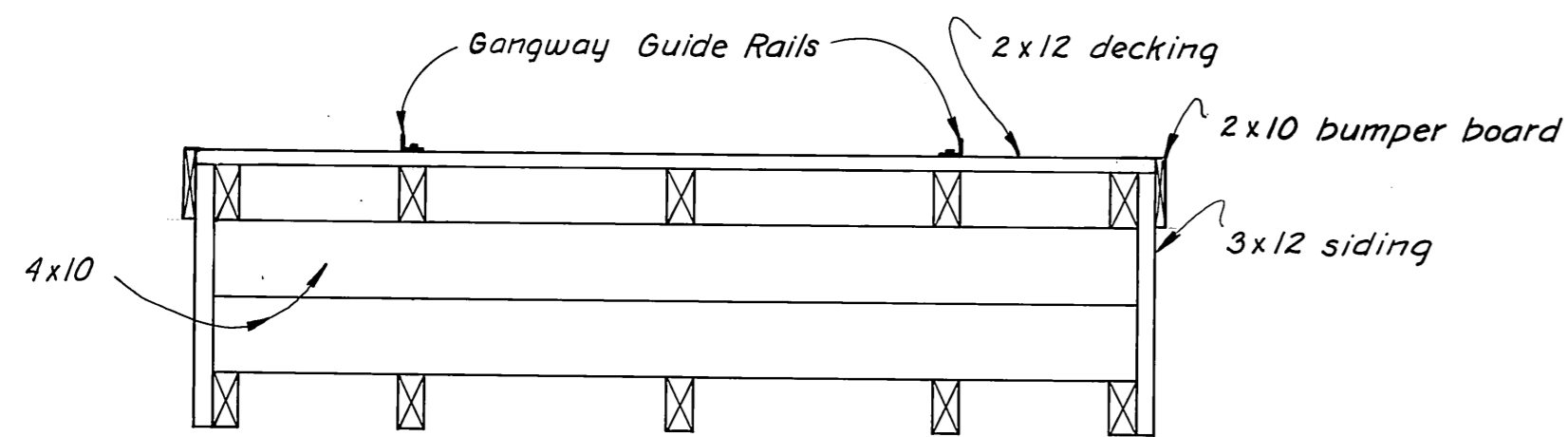
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| RAMP FRAMING DETAILS | | |
| SCALE: As Noted | SURVEYED: _____ | APPROVED: _____ |
| DESIGNED: BS | DRAWN: TS | Robert P. Beck |
| CHECKED: HM | DATE: 3/80 | CHIEF OF DESIGN |
| PROJECT NUMBER: ADAP 5-02-0324-01 | SHEET 5 OF 12 | |



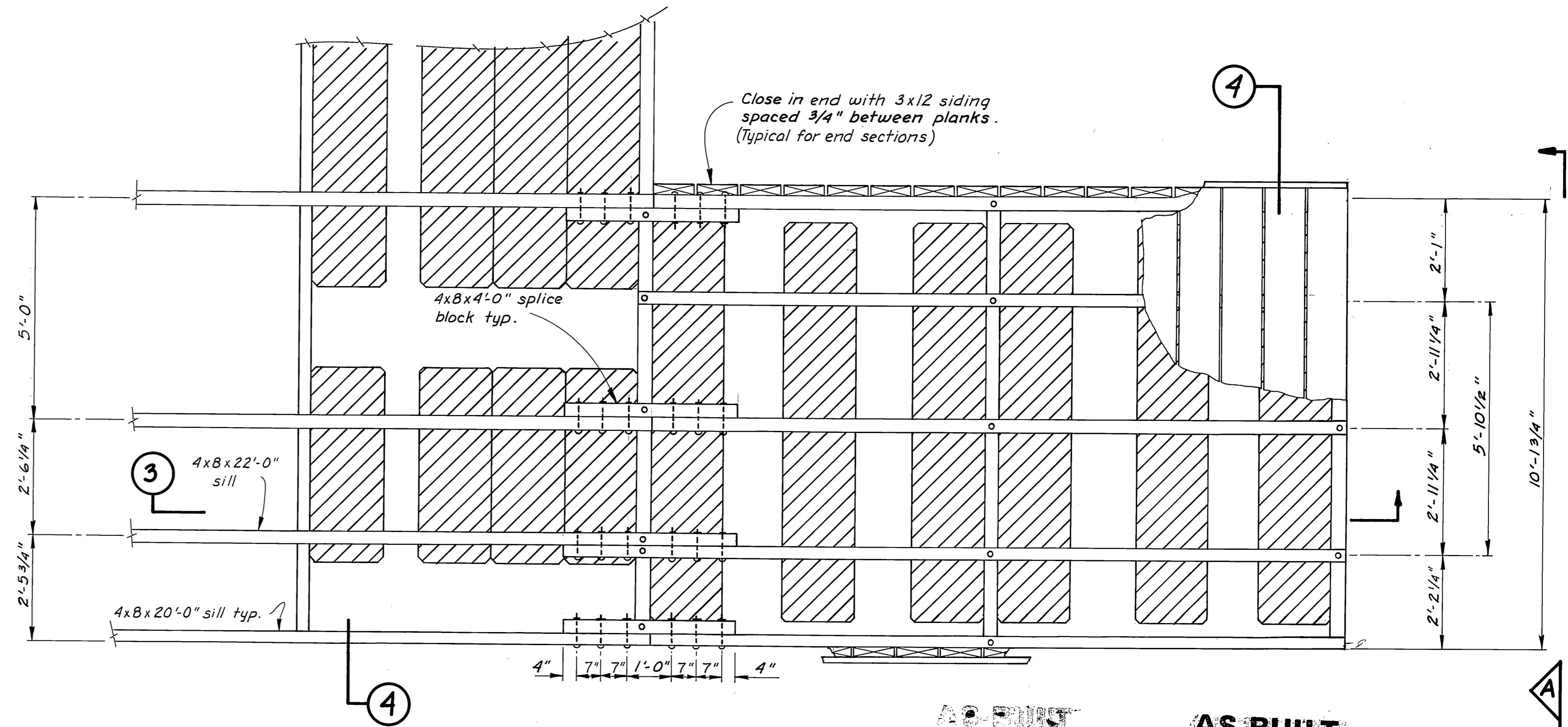
SECTION 3
1/2" = 1'-0"



SECTION 4
1" = 1'-0"



END ELEVATION A
1/2" = 1'-0"



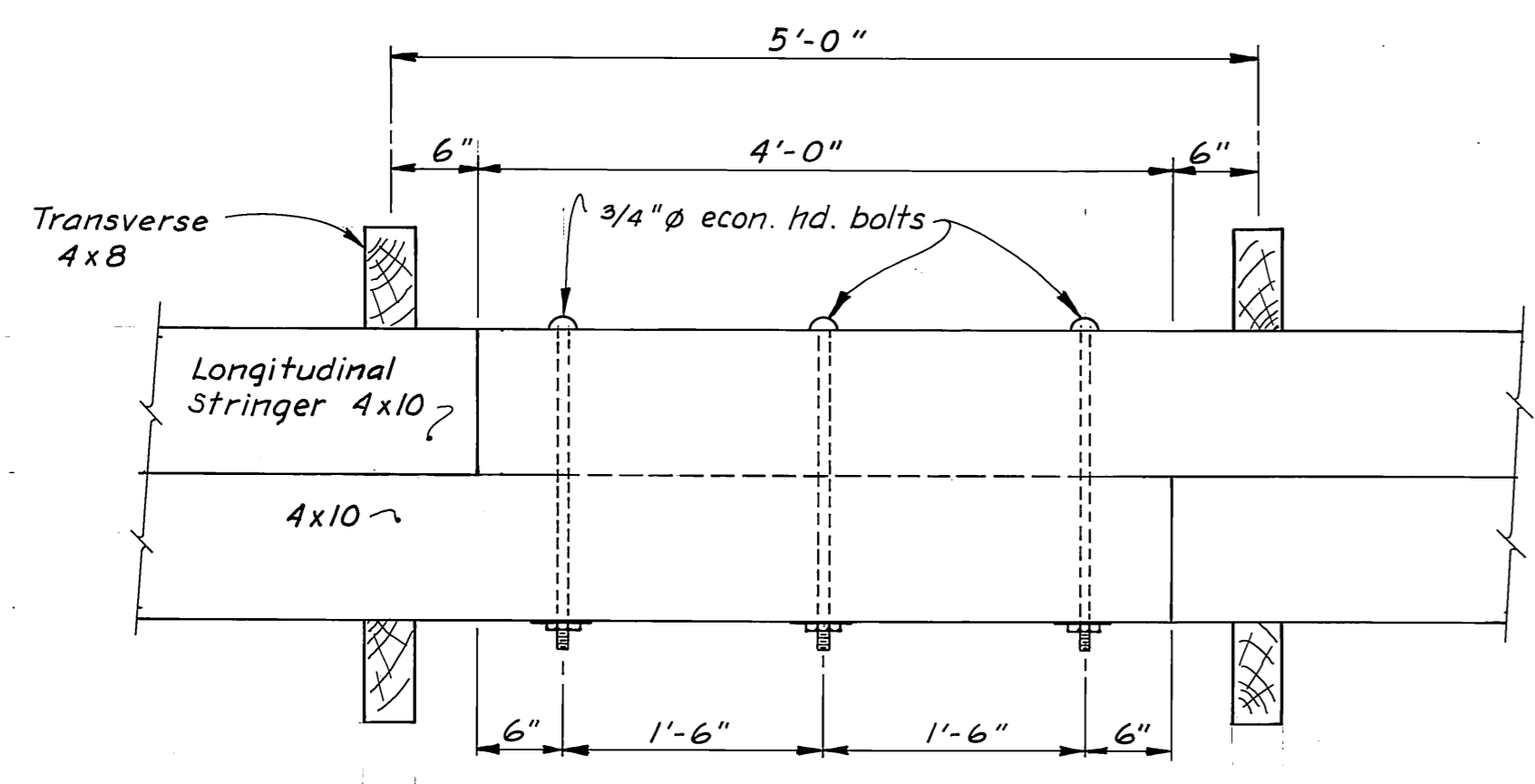
GANGWAY FLOAT PLAN
1/2" = 1'-0"

AS-BUILT

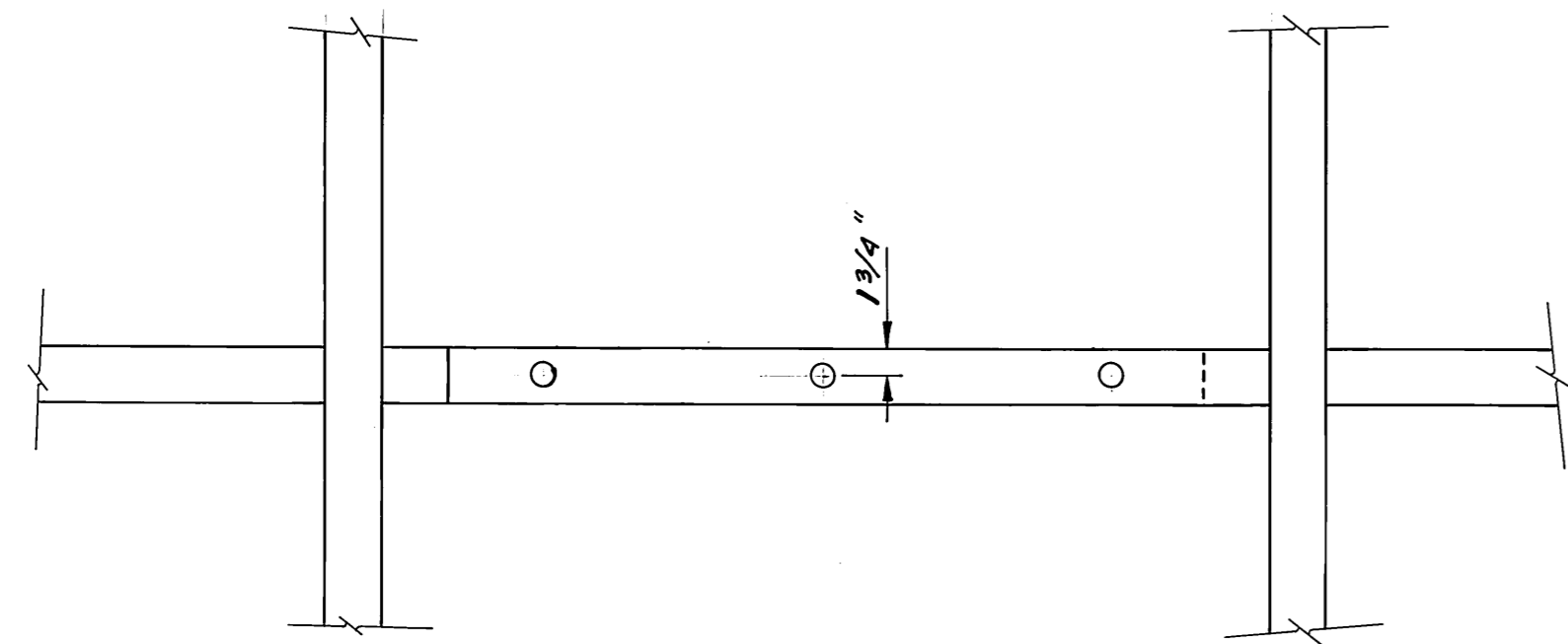
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Date: 7-21-81
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| | | GANGWAY FLOAT DETAILS | |
| SCALE: <i>As Noted</i> | SURVEYED: | APPROVED: | |
| DESIGNED: <i>BS</i> | DRAWN: <i>TS</i> | | |
| CHECKED: <i>HM</i> | DATE: <i>3/80</i> | | |
| PROJECT NUMBER: <i>ADAP 5-02-0324-01</i> | | SHEET: <i>6</i> OF <i>12</i> | |



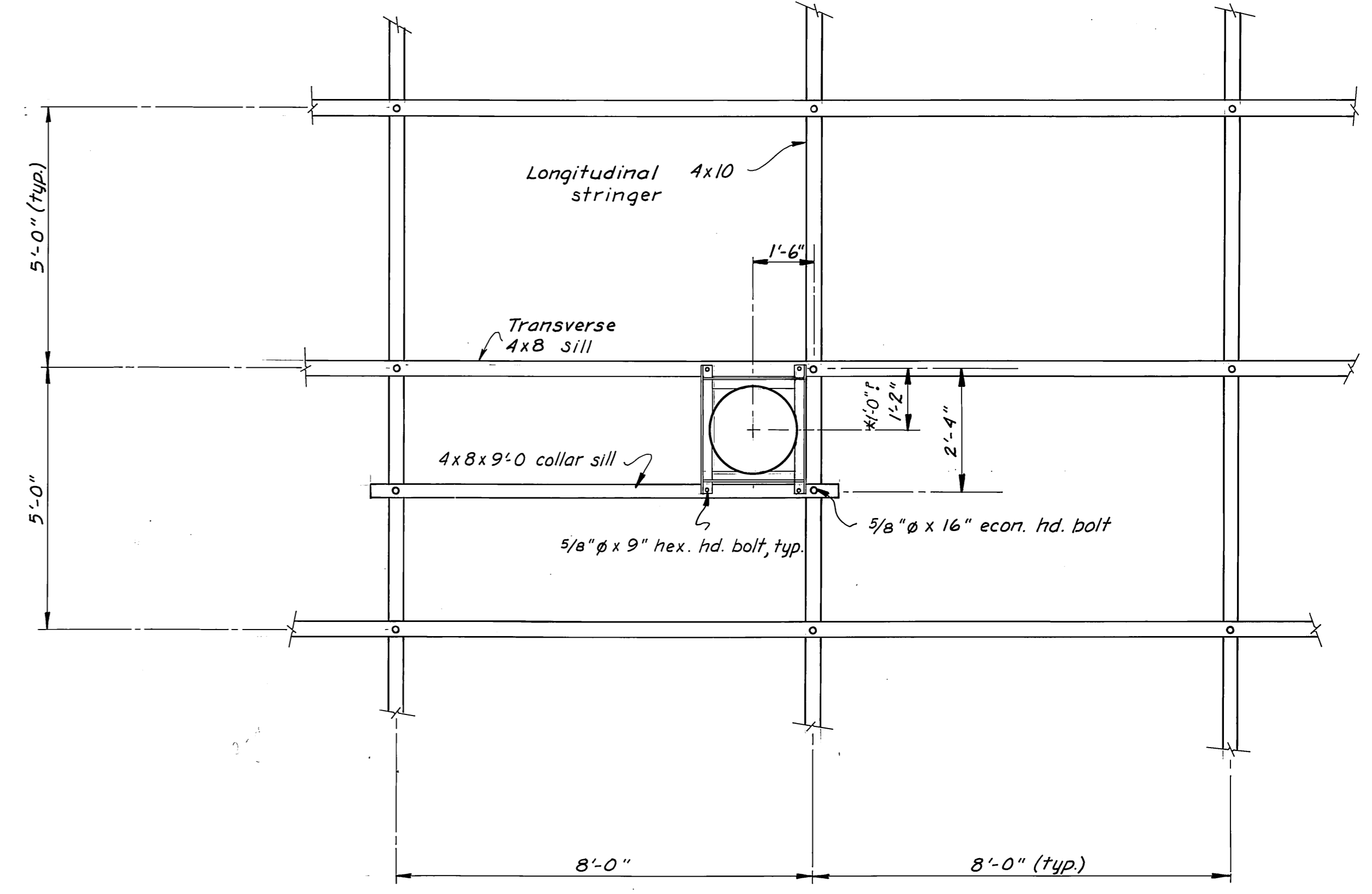
ELEVATION



PLAN

SPLICE DETAIL

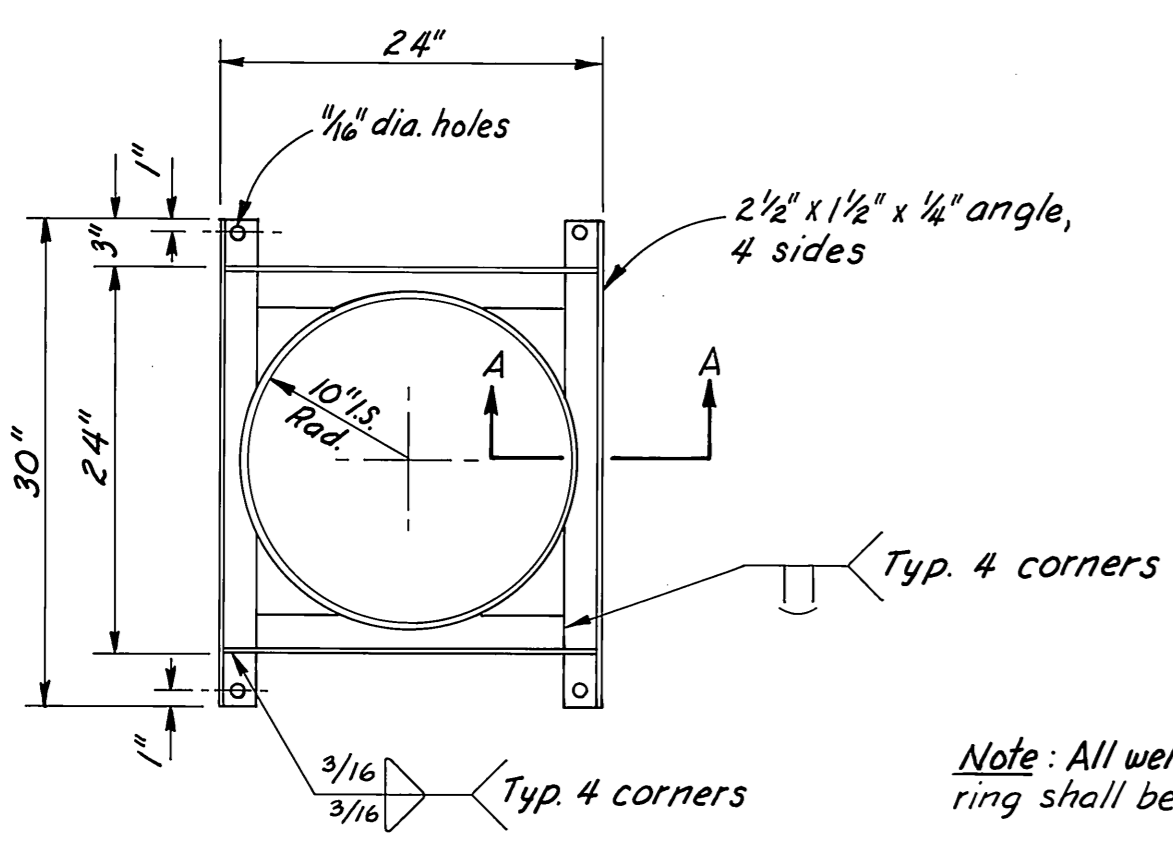
1" = 1'-0"



PLAN

1/2" = 1'-0"

* As Built: Should have 6" pile collar angle on sill.

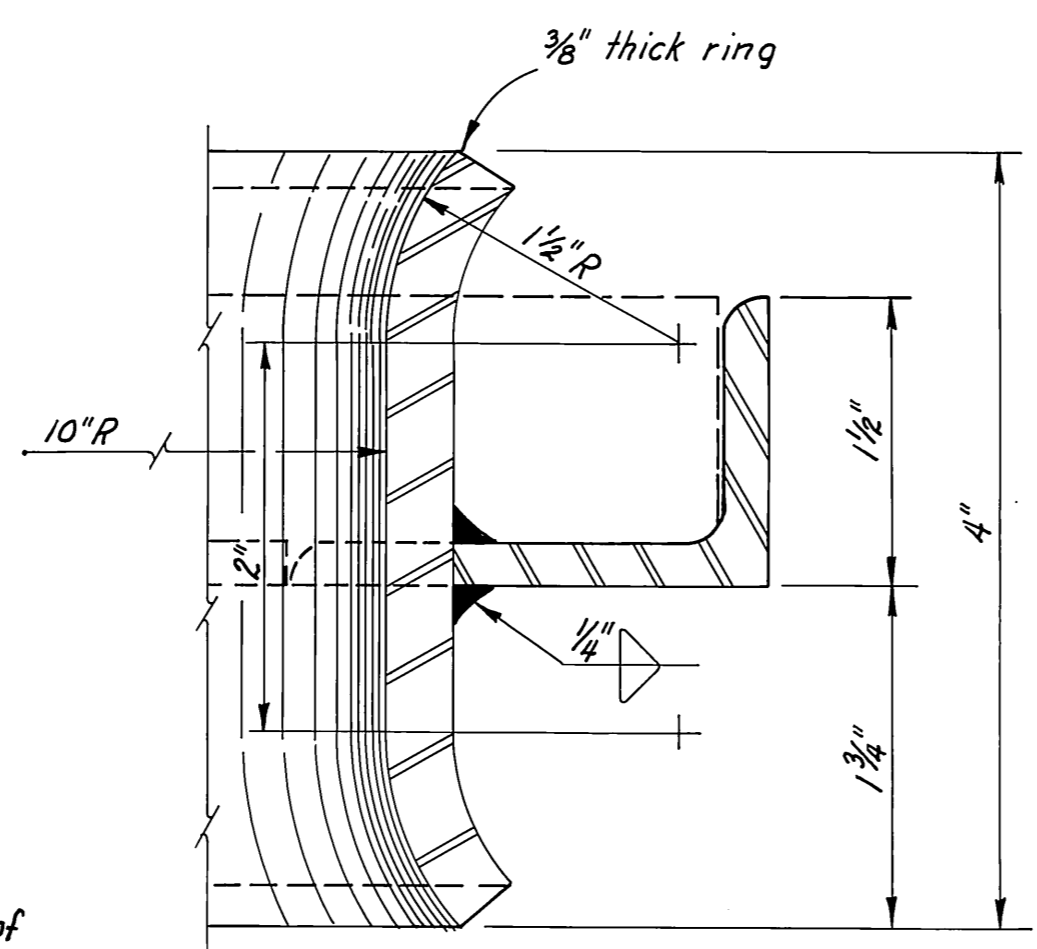


PLAN

1" = 1'-0"

INTERNAL PILE COLLAR

Note: All welds on inside of ring shall be ground smooth.



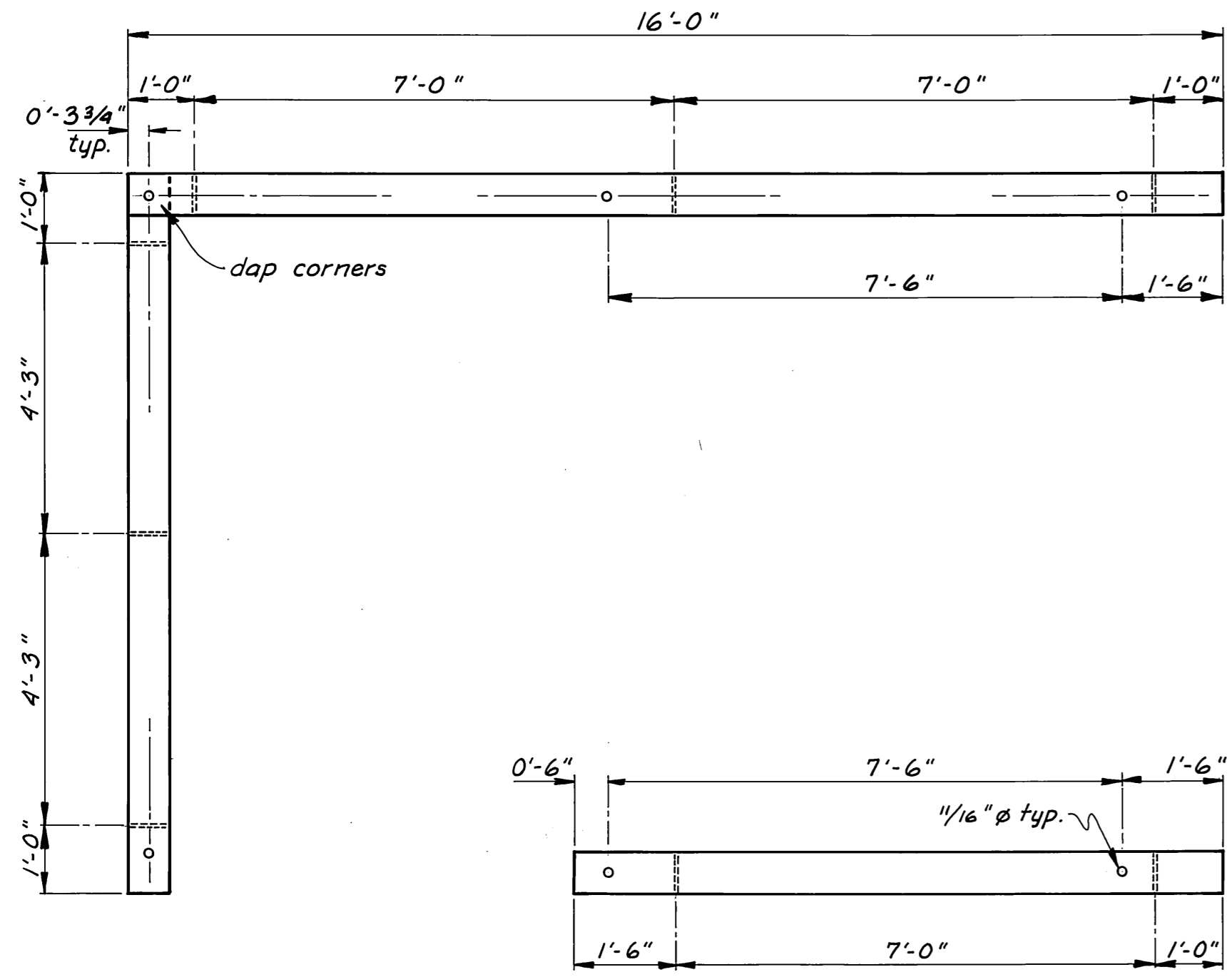
SECTION A-A

FULL SIZE

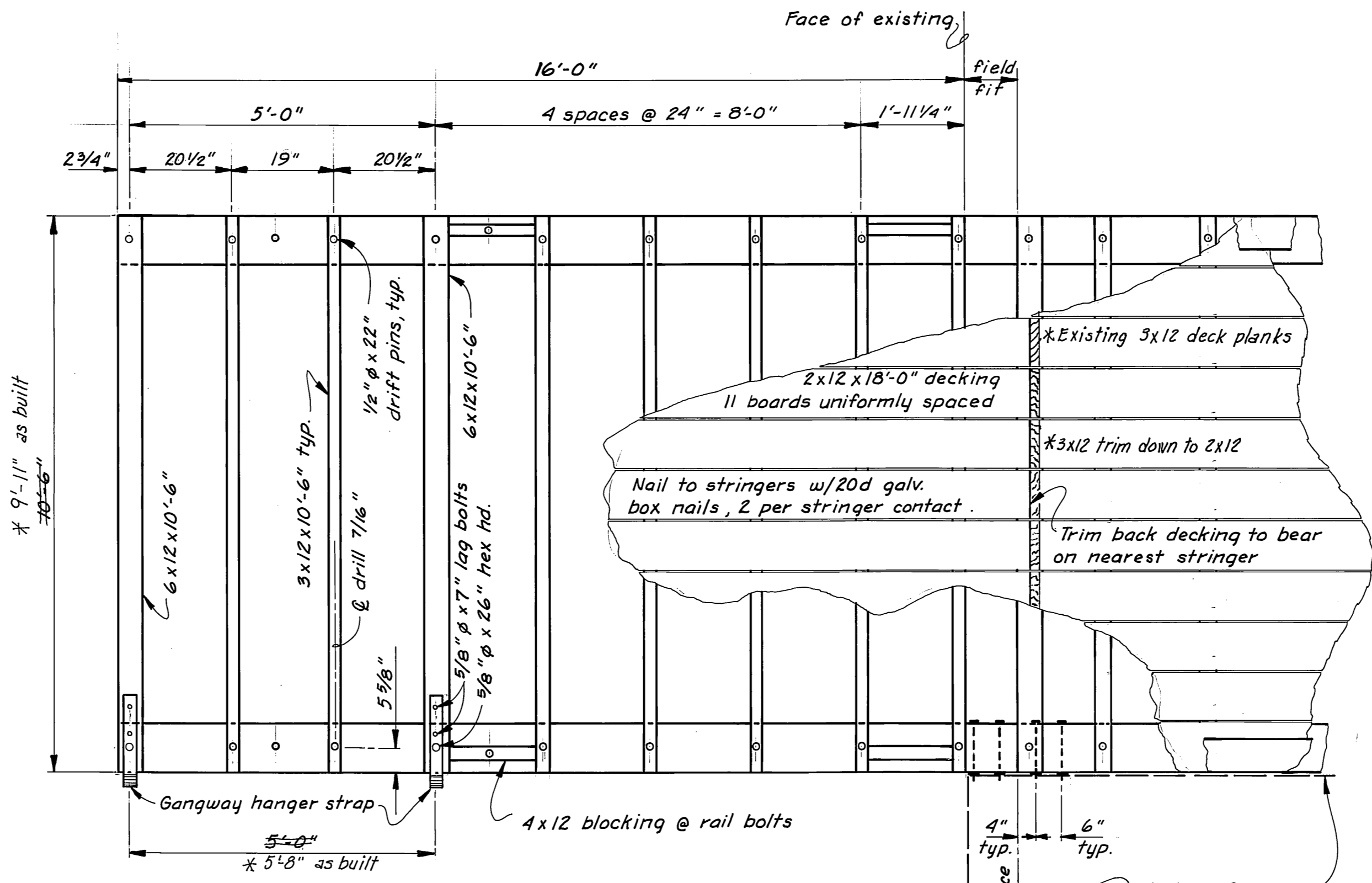
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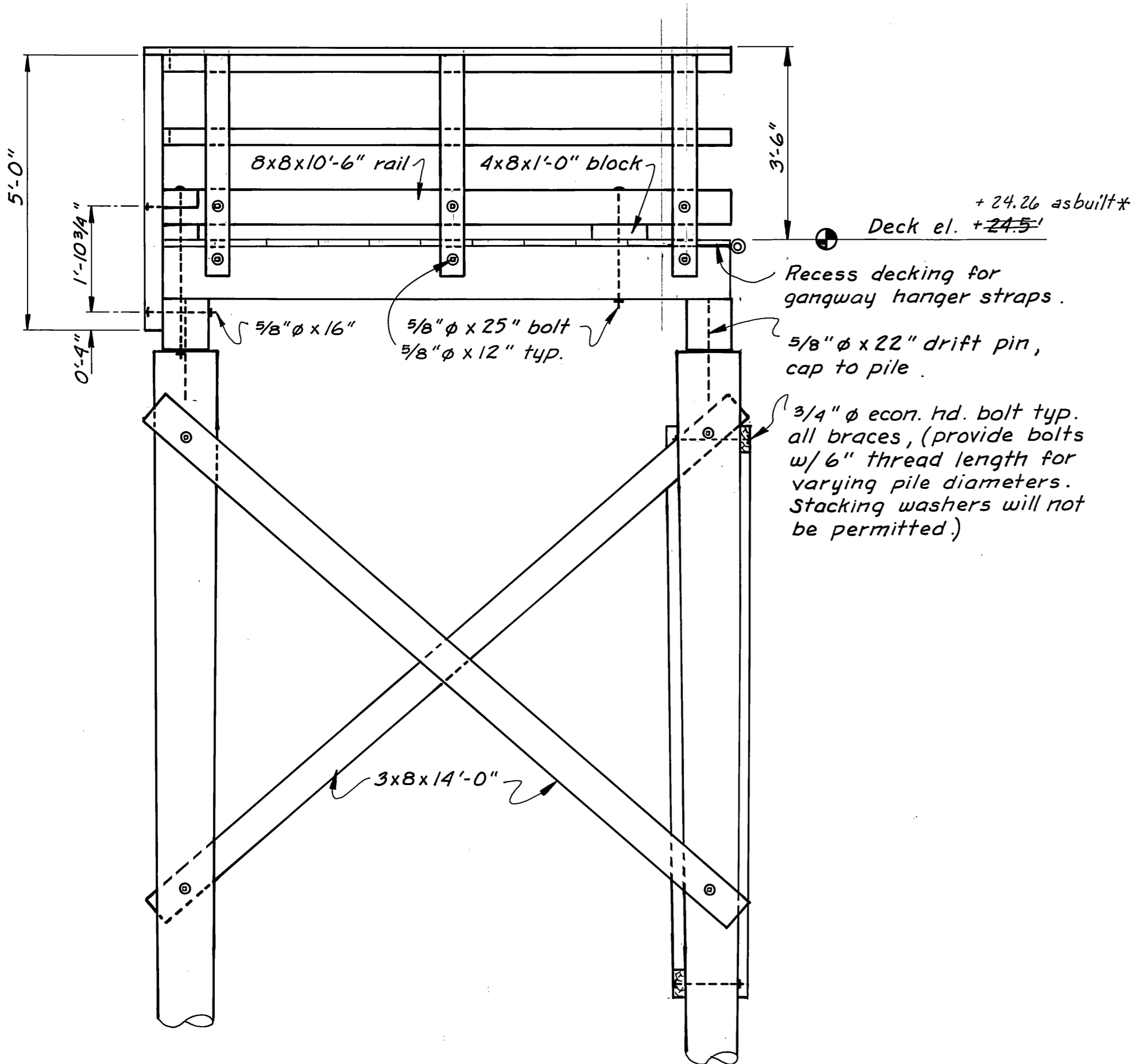
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| | | PILE COLLAR AND SPLICE DETAILS | |
| SCALE: <i>As Noted</i> | SURVEYED: | APPROVED | |
| DESIGNED: <i>BS</i> | DRAWN: <i>TS</i> | Robert P. Beck CHIEF OF DESIGN | |
| CHECKED: <i>MM</i> | DATE: <i>1/80</i> | | |
| PROJECT NUMBER: <i>ADAP 5-02-0324-01</i> | | SHEET <i>7</i> OF <i>12</i> | |



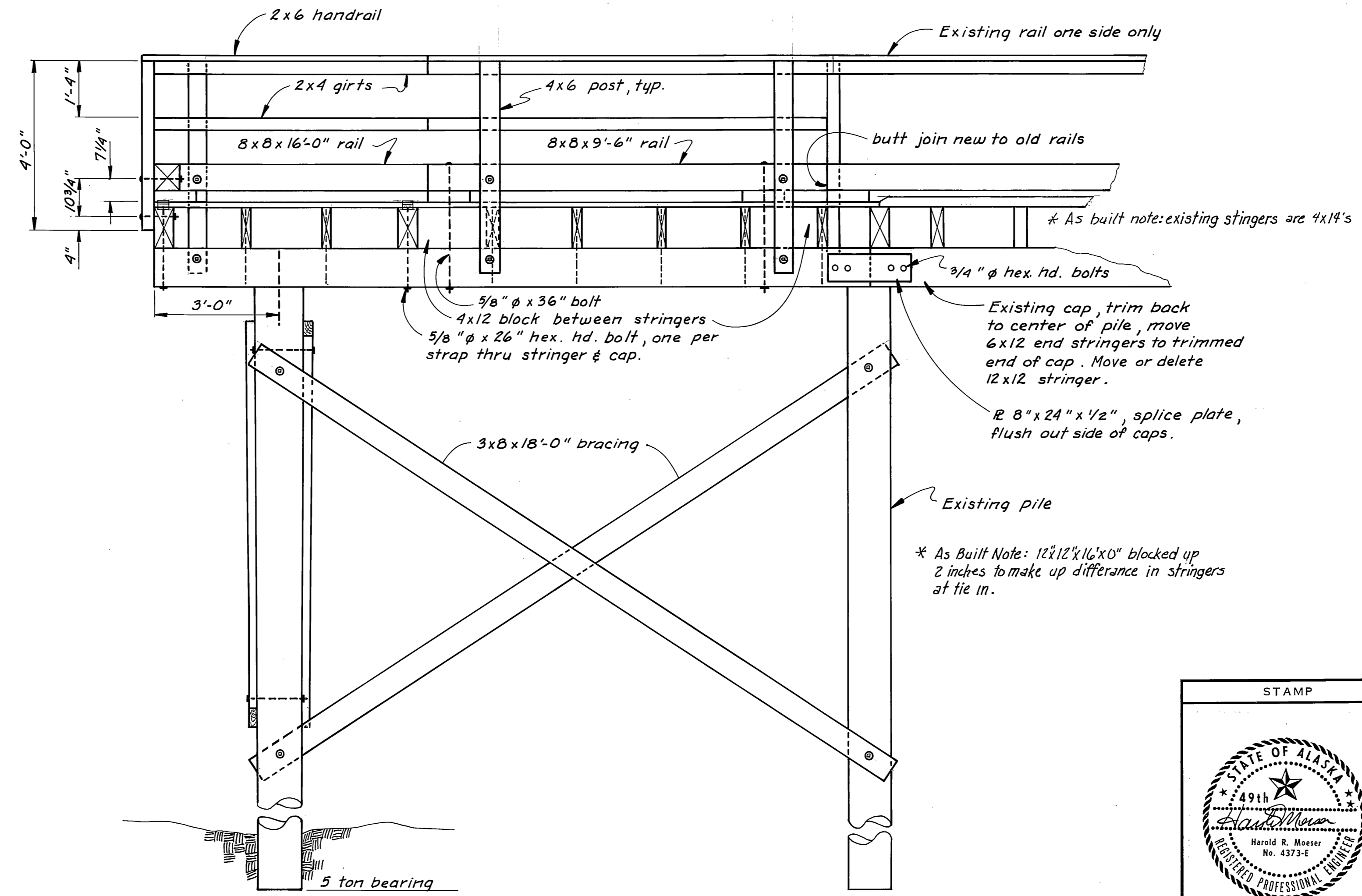
RAIL LAYOUT PLAN
1/2" = 1'-0"



PLAN
1/2" = 1'-0"



END ELEVATION
1/2" = 1'-0"



ELEVATION
1/2" = 1'-0"

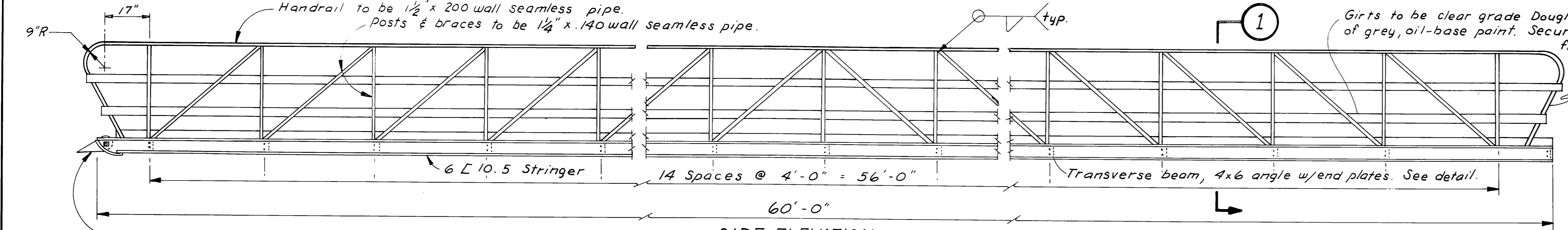
| TREATMENT | SCHEDULE |
|-----------|-----------|
| MEMBER | TREATMENT |
| PILES | CREOSOTE |
| BRACING | " |
| CAPS | " |
| STRINGERS | " |
| DECKING | PENTA |
| BLOCKING | " |
| RAILS | " |
| POSTS | " |
| HANDRAIL | " |
| GIRTS | " |

GENERAL NOTES:
Fabricate all timber and shop drill all holes prior to treatment except cap member holes, pile brace holes, and gangway strap holes. All hardware to be hot-dipped galvanized. A malleable iron washer shall be placed between all nut and wood surfaces. All bolts to be economy head type unless noted. Bolt holes to be drilled 1/16" oversize and drift pin holes 1/16" undersize. All field drilled holes shall be treated with hot creosote oil.

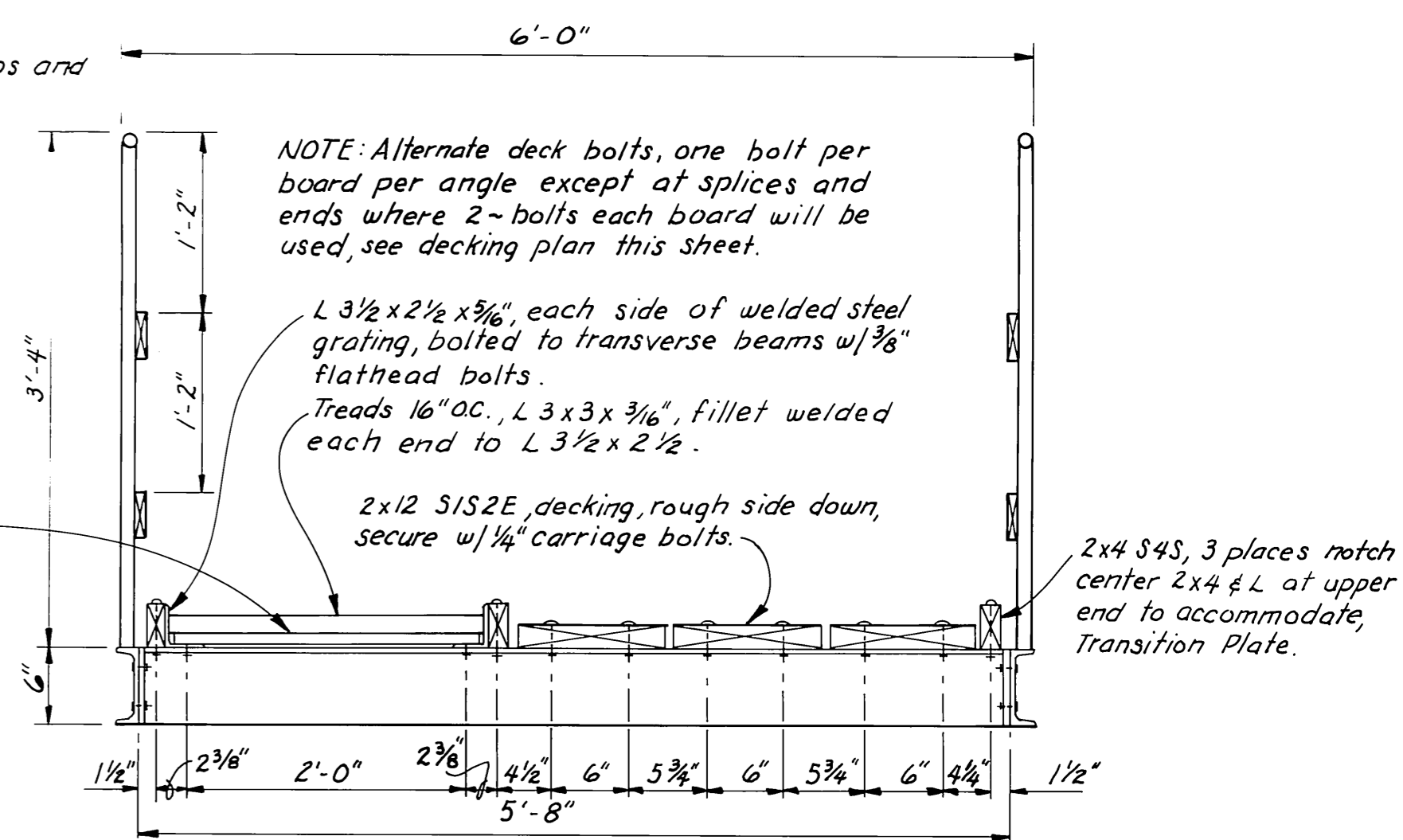
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| TIMBER APPROACH | | | |
| SCALE: As Noted | SURVEYED: | APPROVED: | |
| DESIGNED: HM | DRAWN: TS | Robert P. Beck CHIEF OF DESIGN | |
| CHECKED: HN | DATE: 6/80 | | |
| PROJECT NUMBER: ADAP 5-02-0324-01 | | SHEET: 8 OF 12 | |

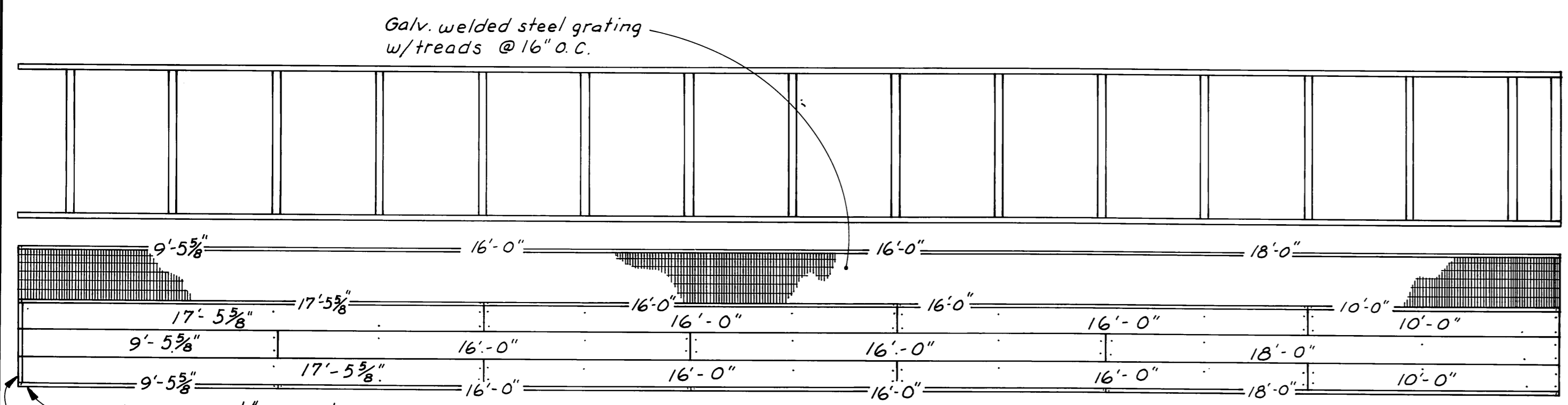




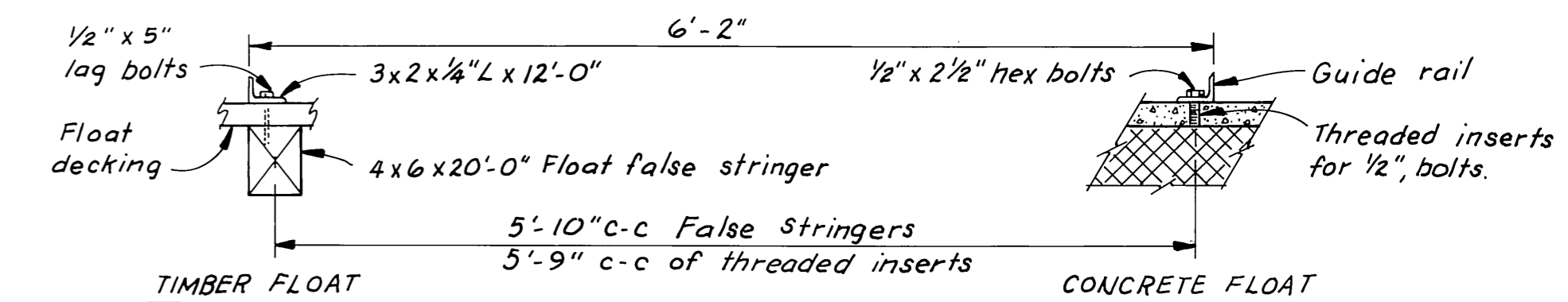
SIDE ELEVATION
3/8" = 1'-0"



SECTION 1
1" = 1'-0"

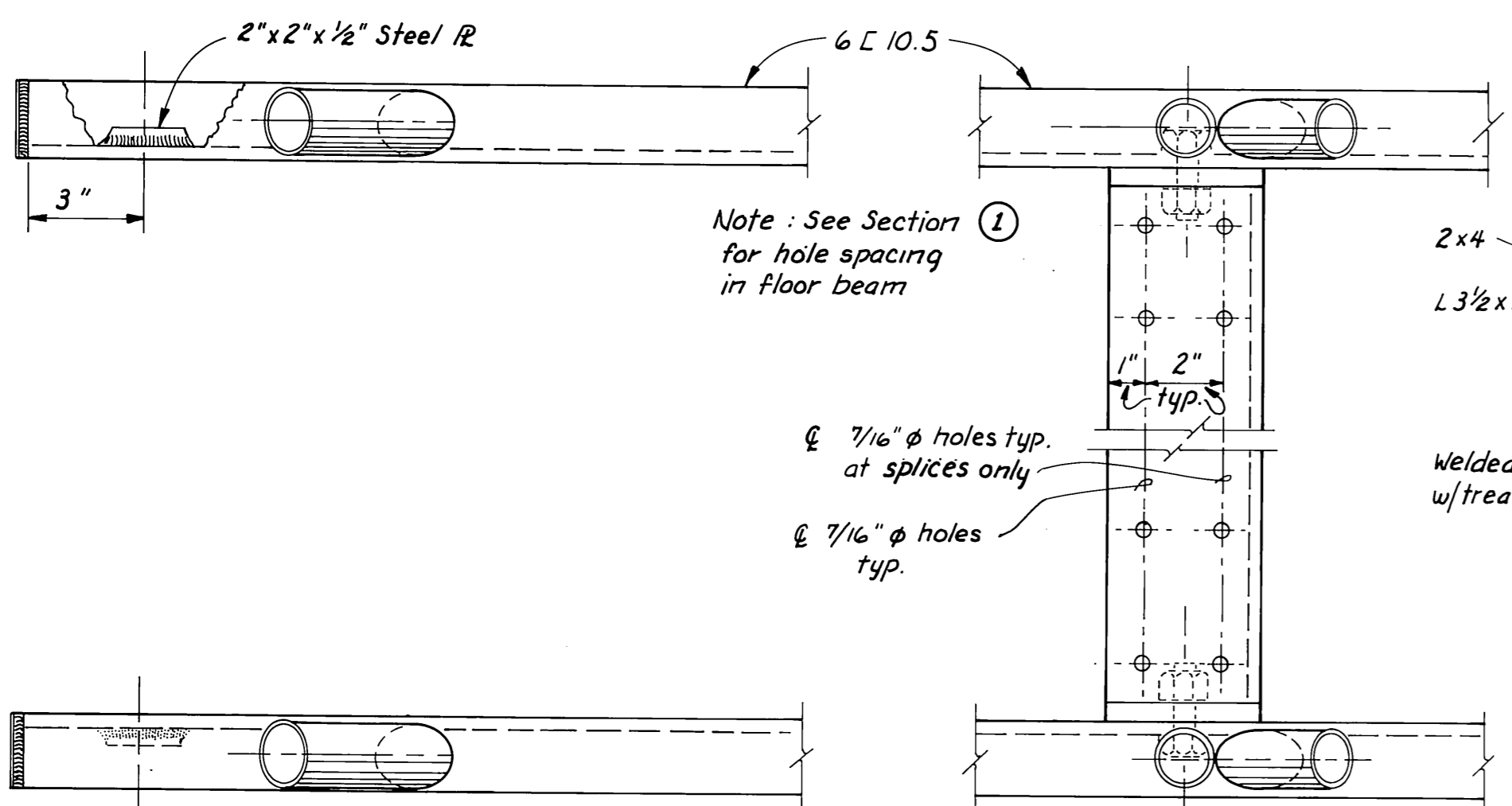


STRINGER & DECKING LAYOUT
1/4" = 1'-0"



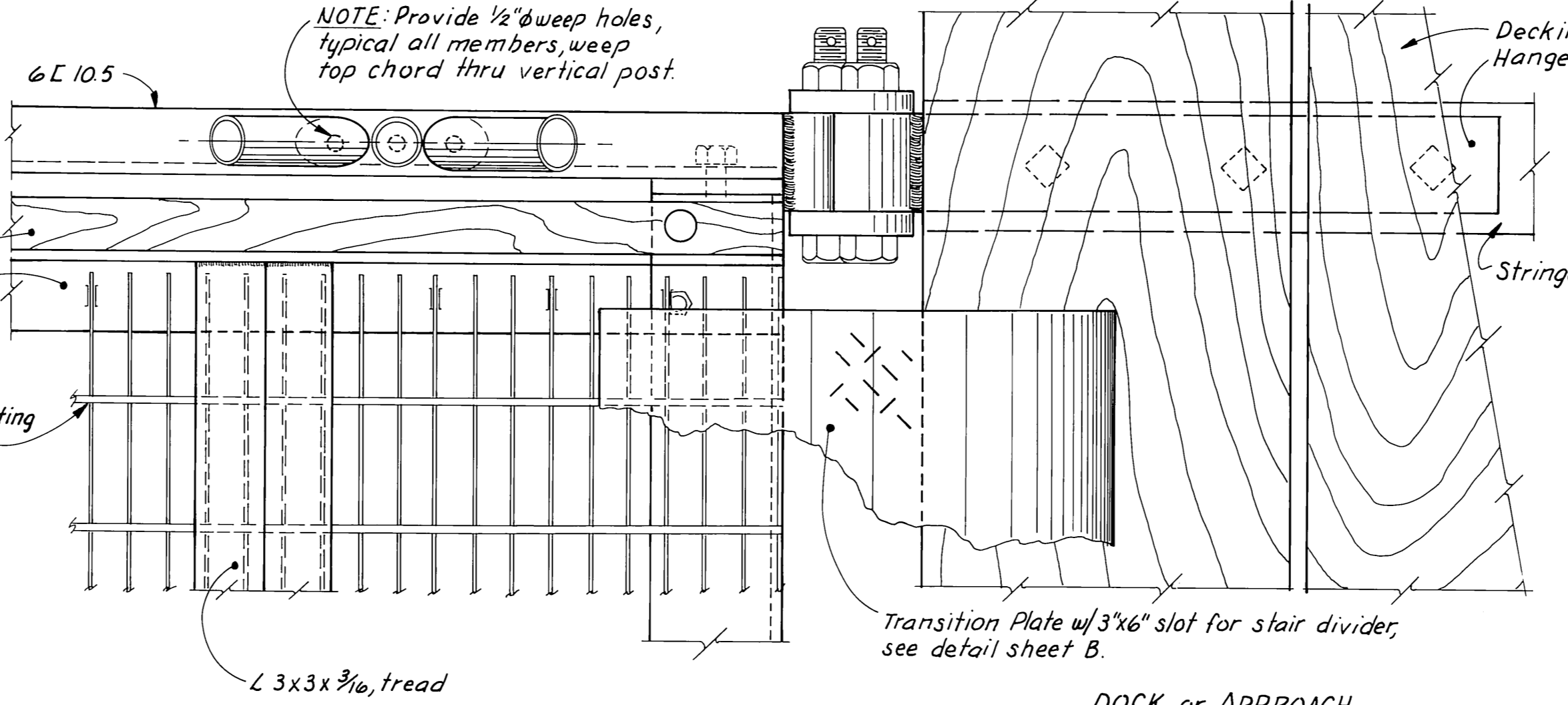
TIMBER FLOAT

CONCRETE FLOAT

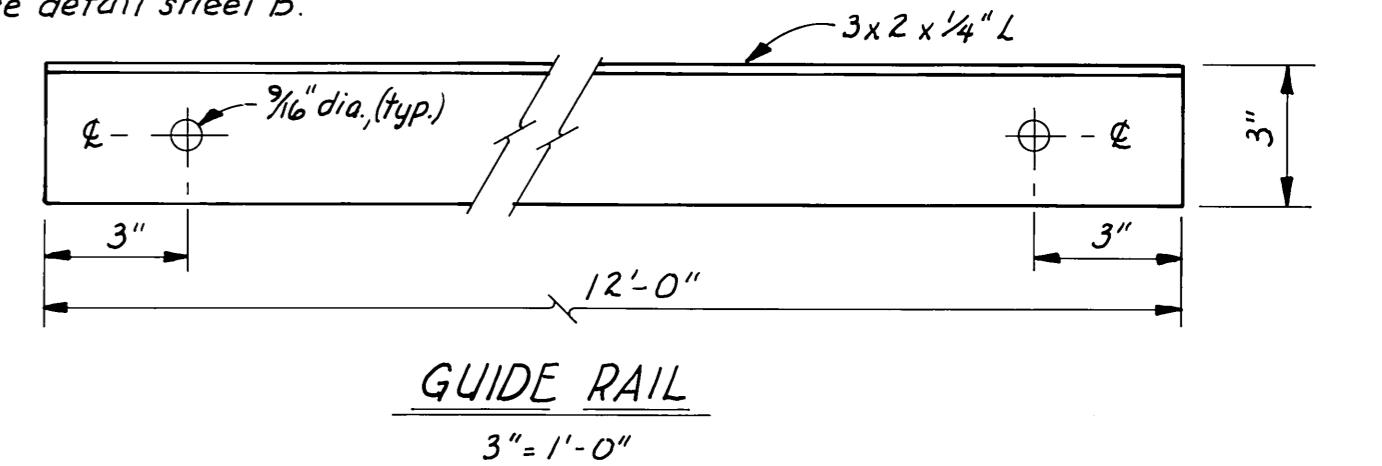


TOE DETAILS
3" = 1'-0"

TYPICAL @ FLOOR BEAM
3" = 1'-0"

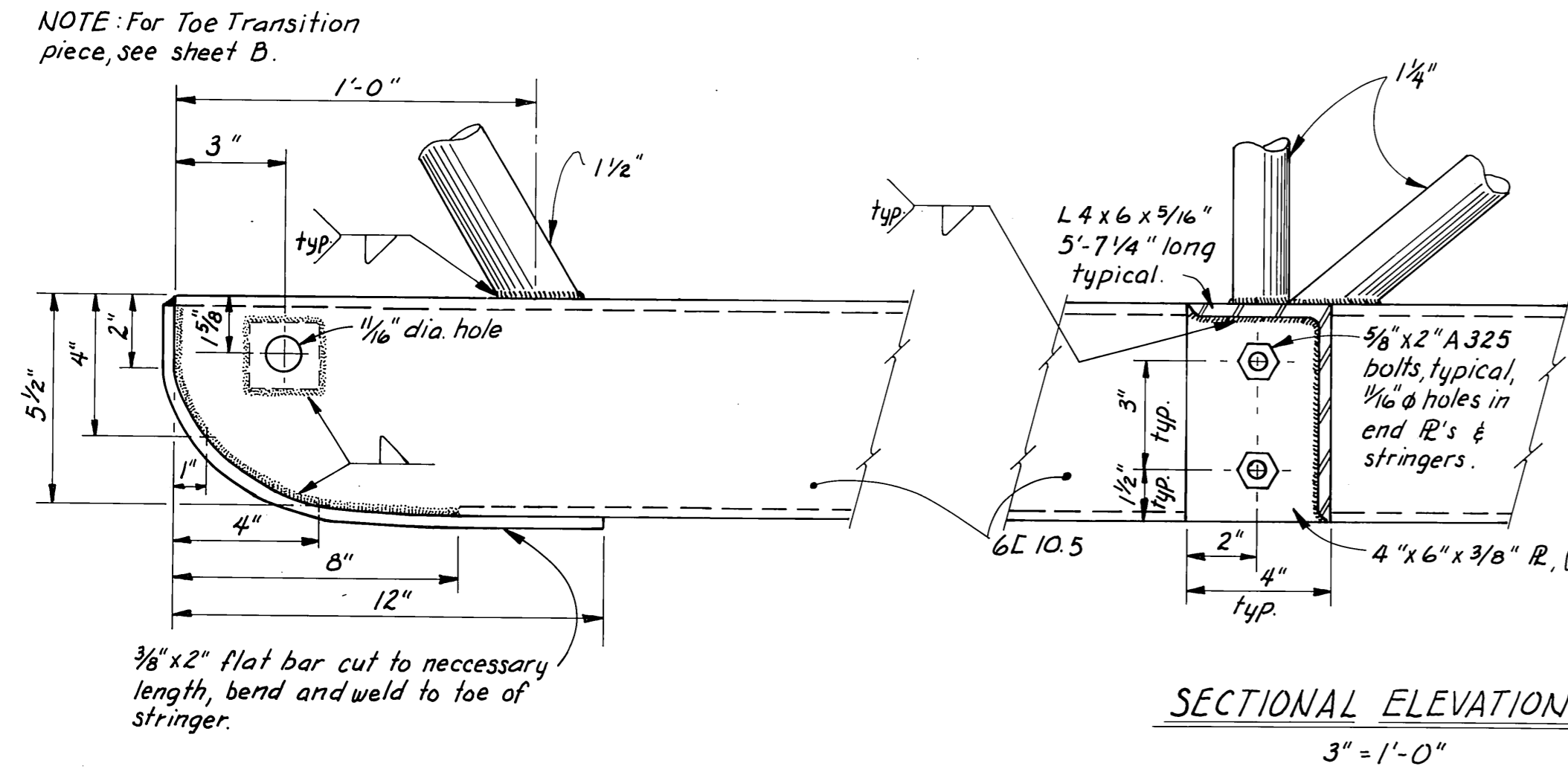


HEAD DETAILS
3" = 1'-0"

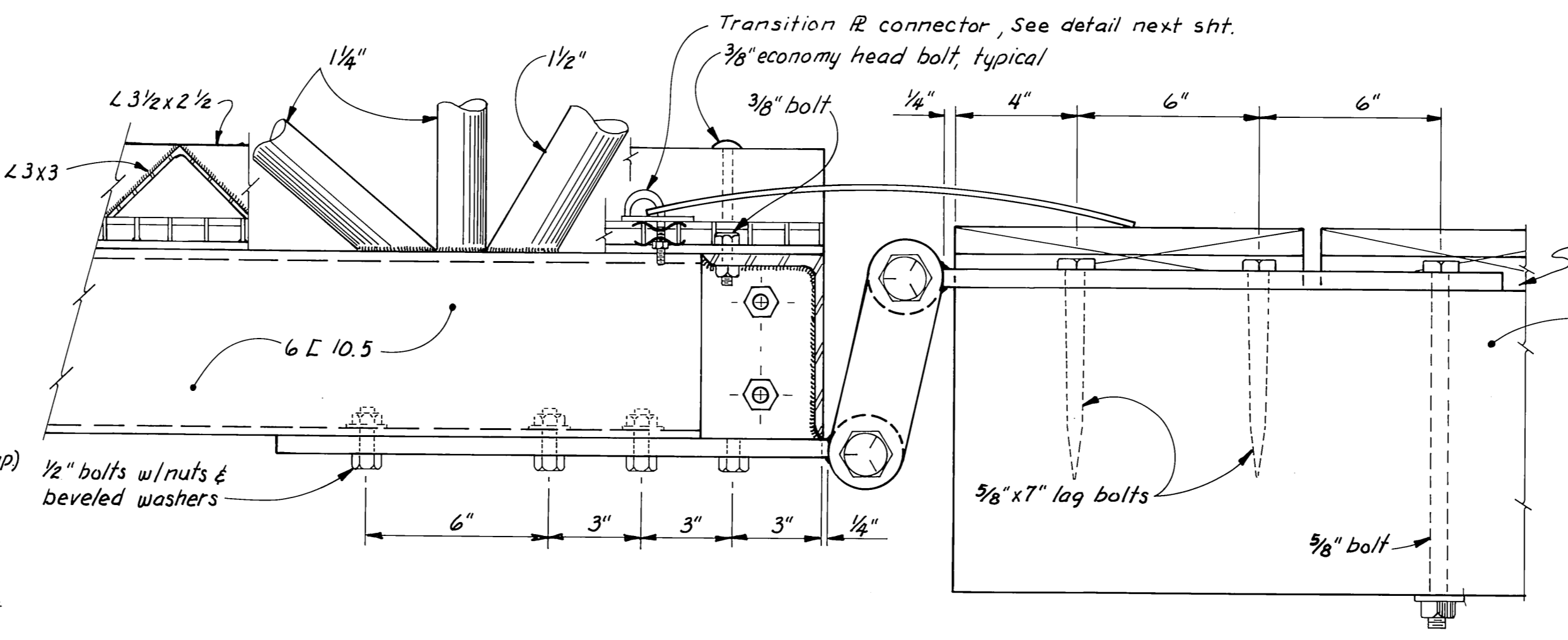


GUIDE RAIL
3" = 1'-0"

- NOTES**
- Design load, 35 psf on gangway or 85 psf on treaded walkway only.
 - All seamless pipe shall conform to ASTM A-53, Grade B or ASTM A-500.
 - All shapes & plates shall conform to ASTM A-36.
 - Trusses shall be shop fabricated & assembled including hangers.
 - Splices shall be held to a minimum and where necessary shall be made in a manner that will not reduce the strength of the truss.
 - No tubing or channel splices will be permitted within 10' of the center of the truss structure.
 - Trusses & transverse beams shall be hot dipped galvanized after fabrication and in accordance with ASTM A-23, A-384, A-385 & A-386.
 - All steel hardware & fasteners shall be hot dipped galvanized in accordance with ASTM, A-153.
 - Decking & deck spacers shall be No. 1, grade HEM-FIR penta pressure treated to 0.4 lb. cu. ft. retention and shall be field drilled to match shop drilled holes in transverse members.
 - Assembly shop drawing shall be submitted for approval.



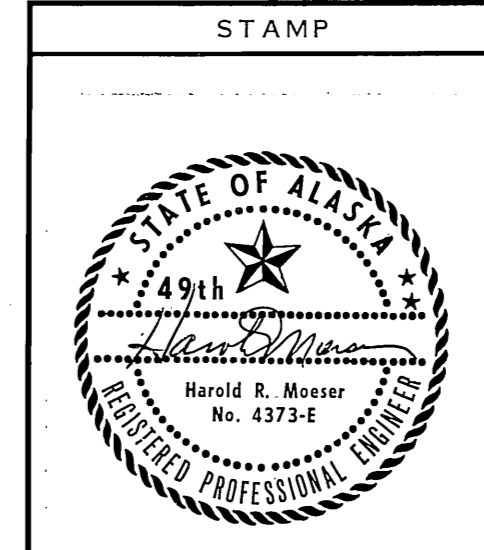
SECTIONAL ELEVATIONS
3" = 1'-0"



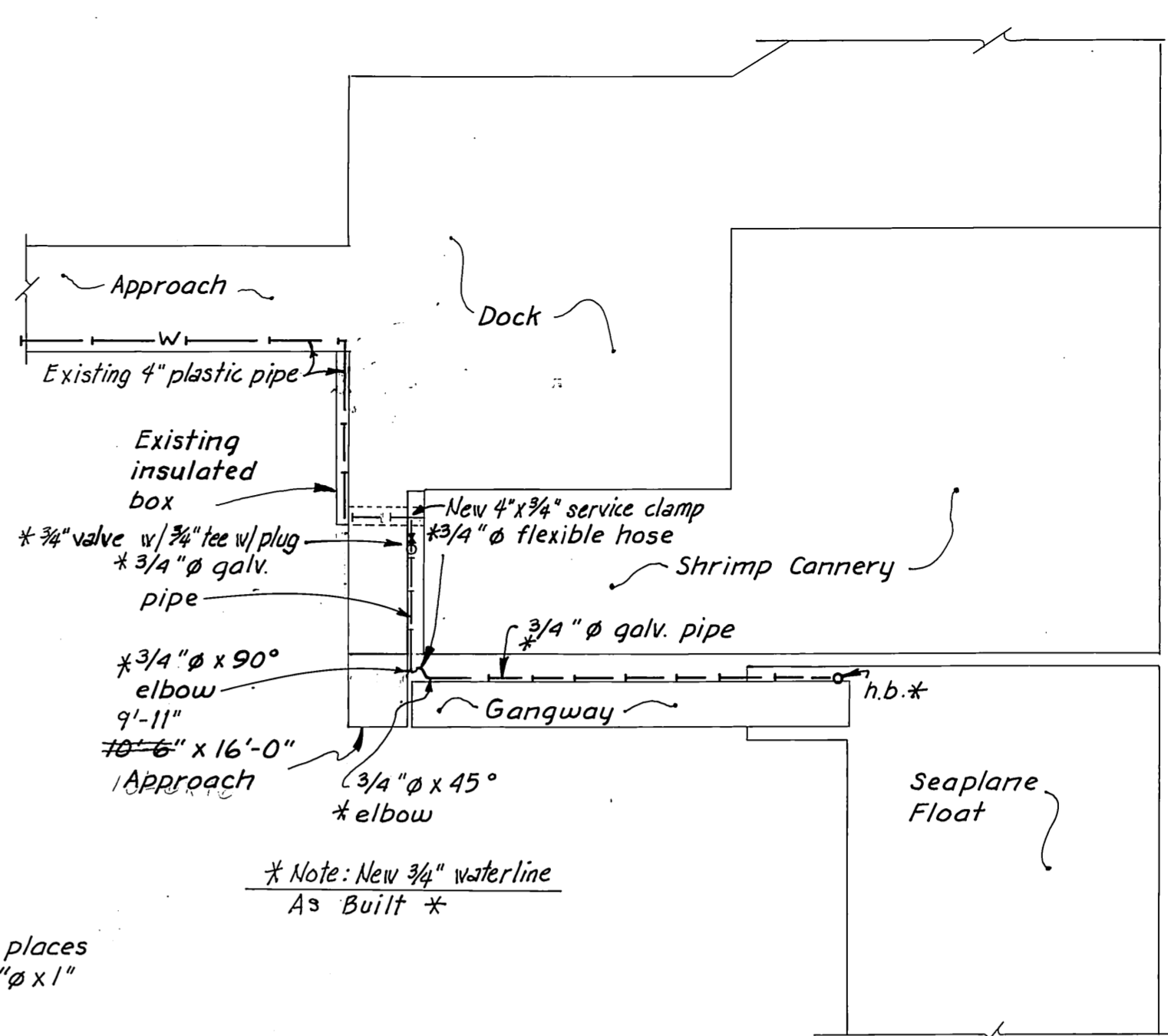
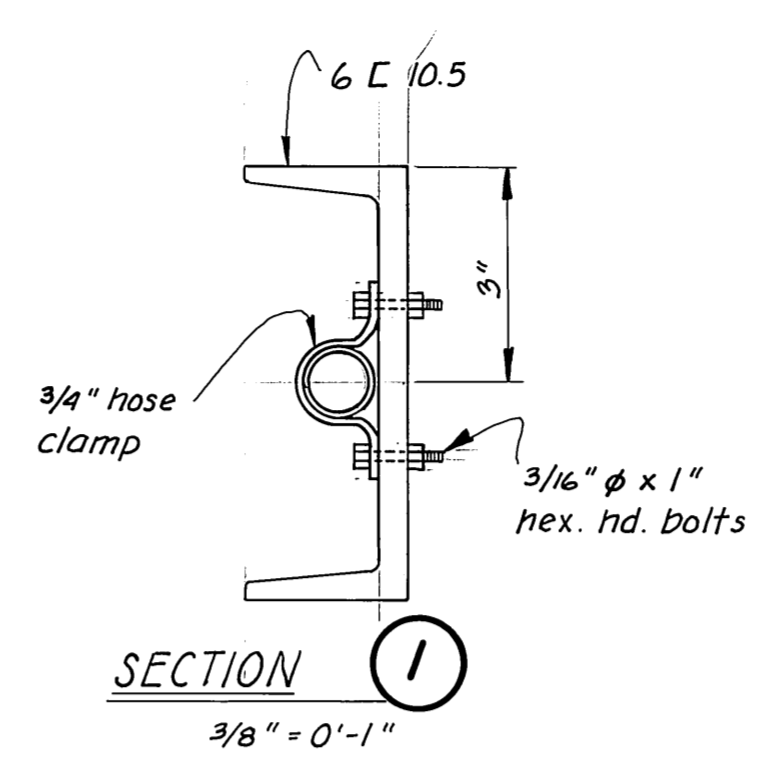
DOCK or APPROACH

Notch decking to clear strap
Approach or Dock, stringer or blocking

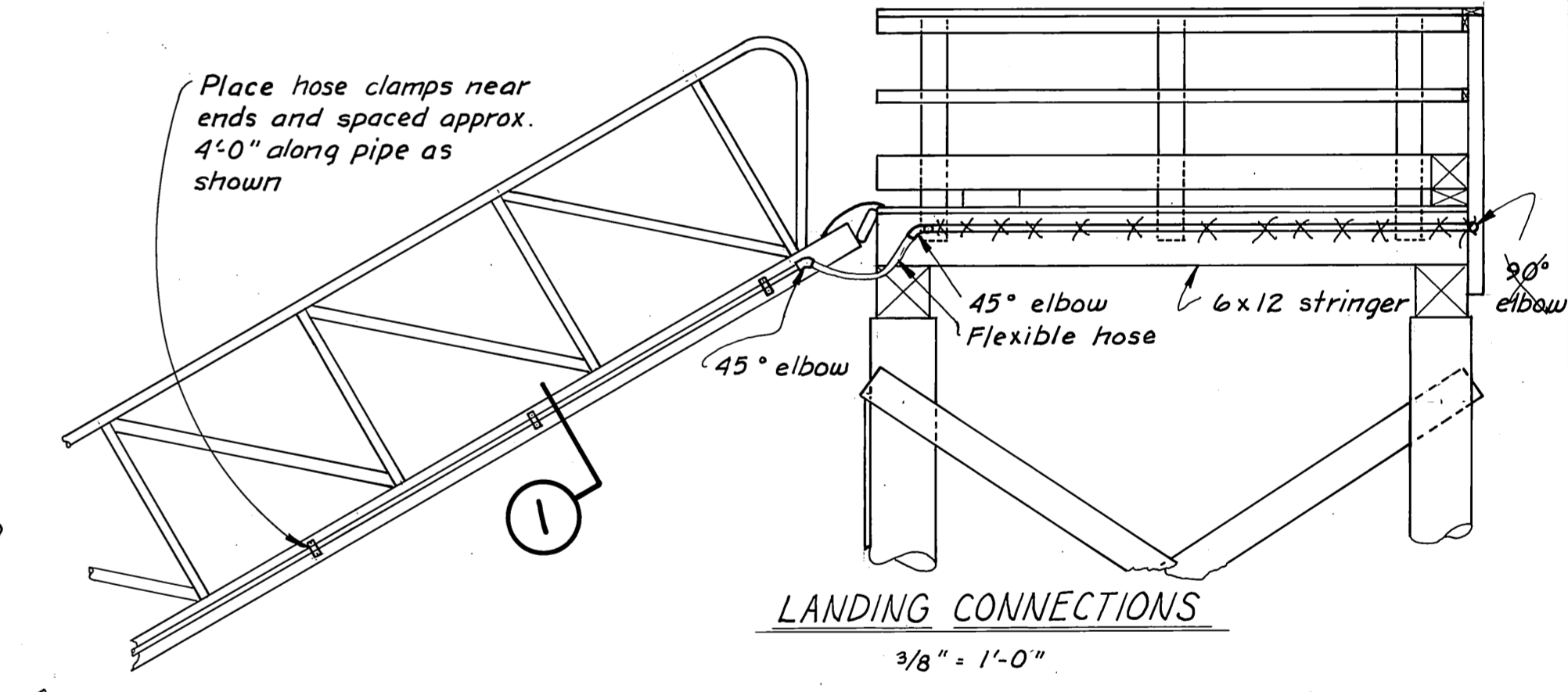
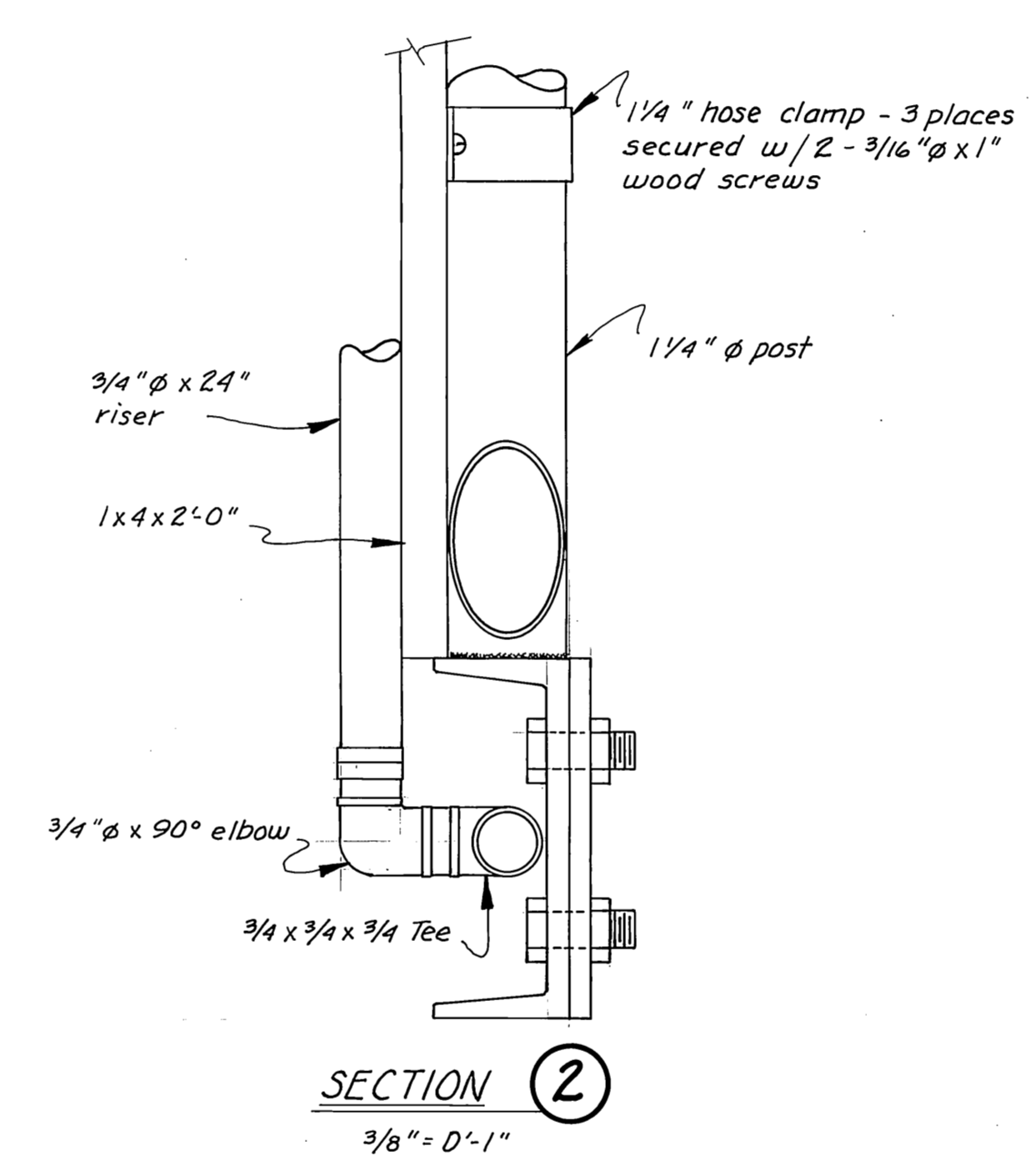
AS-BUILT
Date: 7-21-81
Division of Harbor Design and Construction



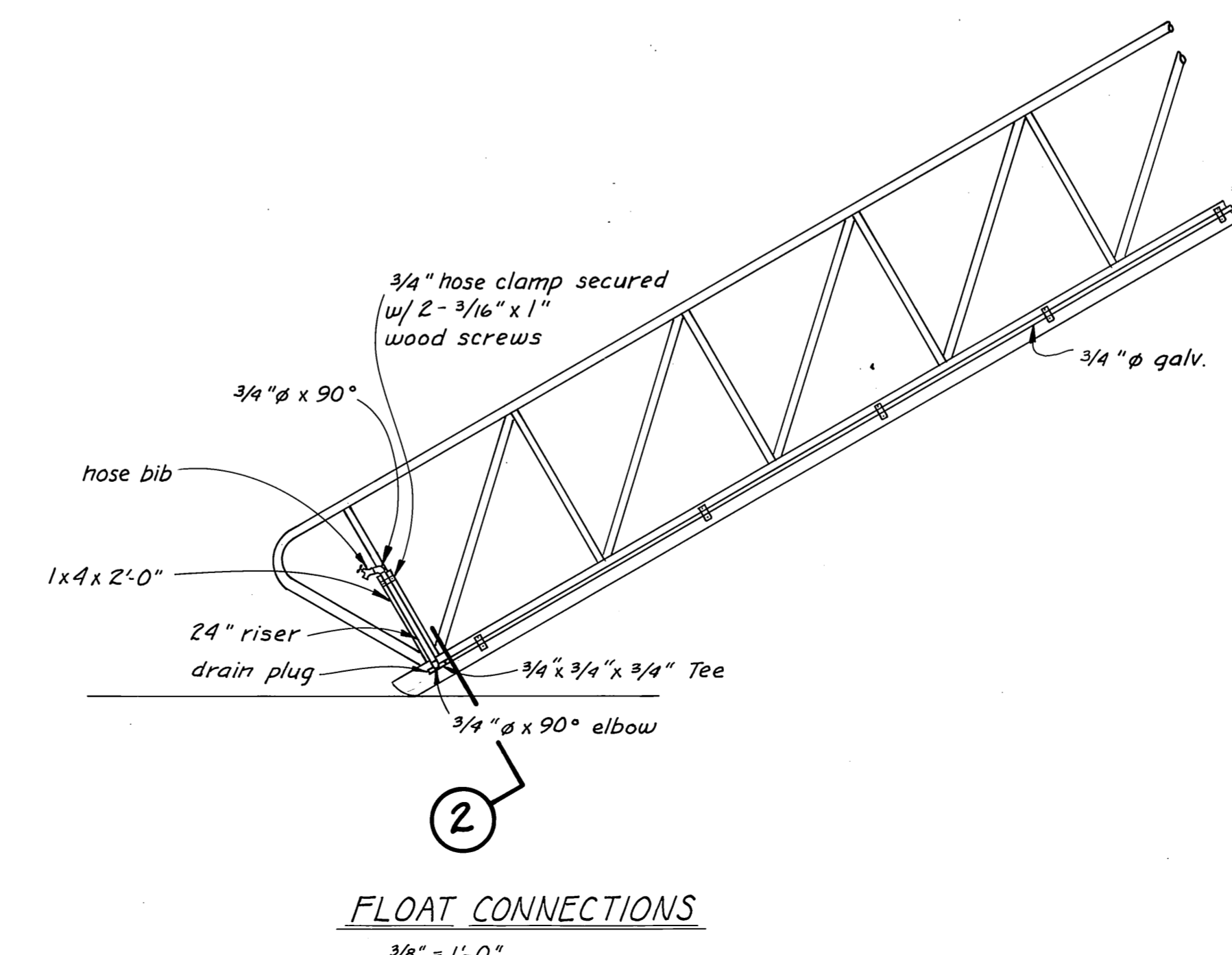
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|---|-------------|-----------------|
| DO NOT SCALE THIS DRAWING - USE DIMENSIONS | | |
| STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION | | |
| WRANGELL | ALASKA | |
| TYPICAL 6'x60'-0" STEEL GANGWAY (SHEET A) | | |
| SCALE: As noted | SURVEYED: ~ | APPROVED: ~ |
| DESIGNED: ~ | DRAWN: TS | Robert P. Beck |
| CHECKED: ~ | DATE: 7/80 | CHIEF OF DESIGN |
| PROJECT NUMBER: ADAP-5-02-0324-01 | SHEET: 9 | OF: 12 |



WATER SERVICE PLAN



LANDING CONNECTIONS



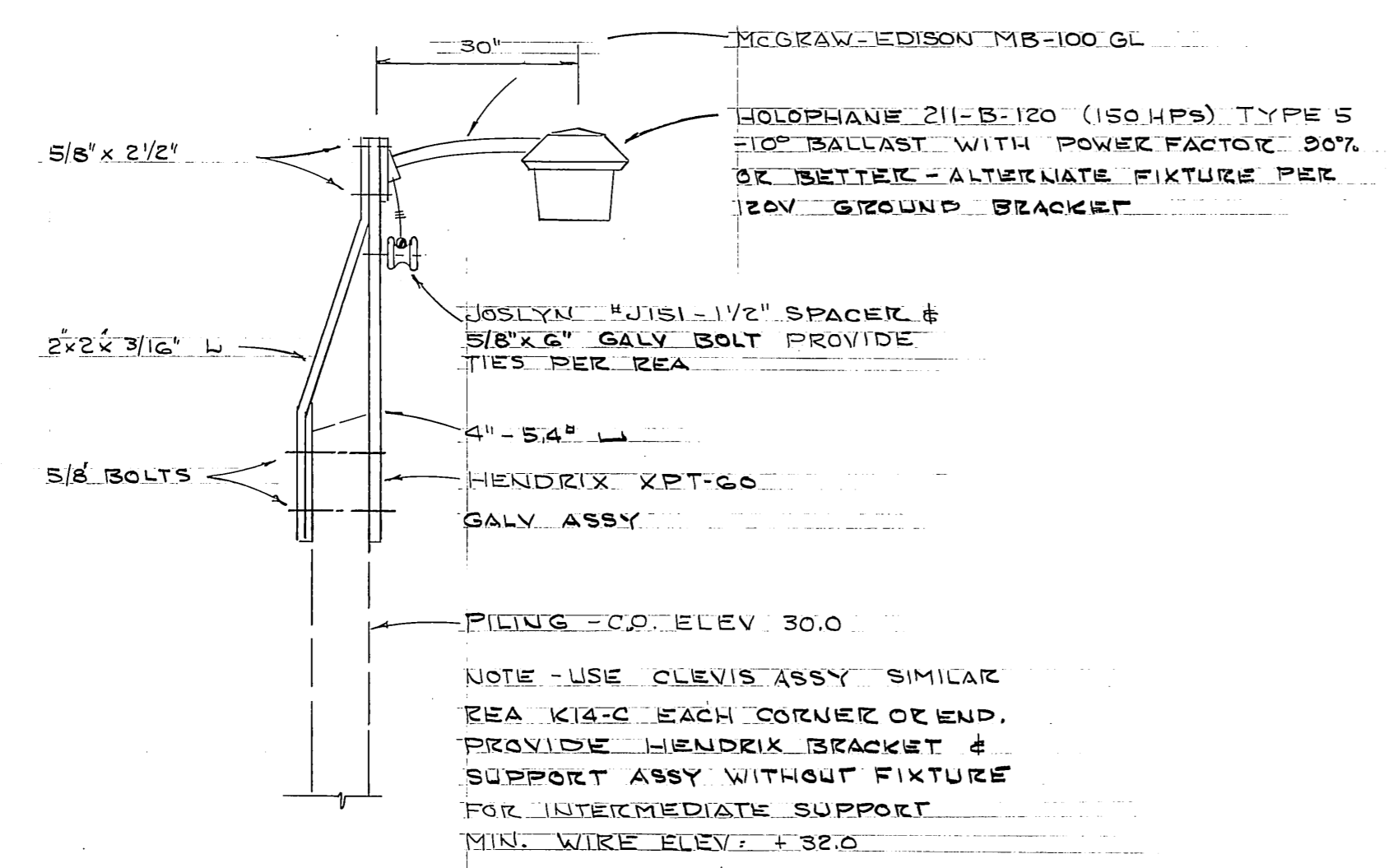
FLOAT CONNECTIONS

AS-BUILT
 Date: 7-21-81 GRF
 Division of Harbor Design and Construction

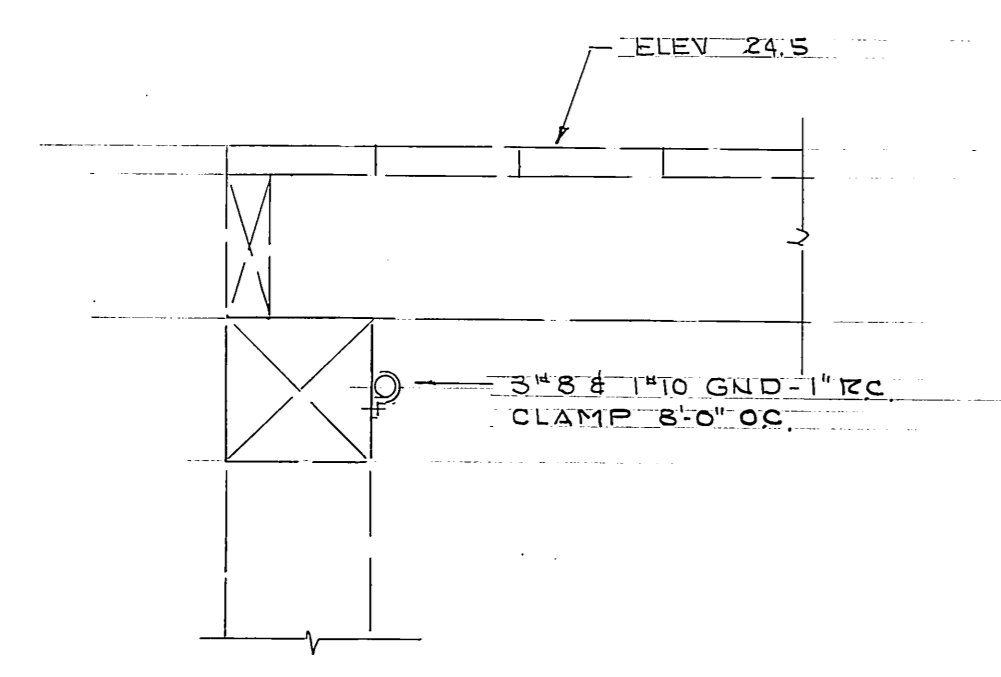
AS-BUILT
 Date: _____
 Division of Harbor Design and Construction

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| STAMP | | DO NOT SCALE THIS DRAWING - USE DIMENSIONS | |
| STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION | | | |
| WATER DETAILS | | | |
| SCALE <i>As Noted</i> | SURVEYED _____ | APPROVED _____ | |
| DESIGNED <i>BS</i> | DRAWN <i>TS</i> | Robert P. Beck CHIEF OF DESIGN | |
| CHECKED <i>HM</i> | DATE <i>4/80</i> | | |
| PROJECT NUMBER <i>ADAP 5-02-0324-01</i> | | SHEET <i>11</i> OF <i>12</i> | |

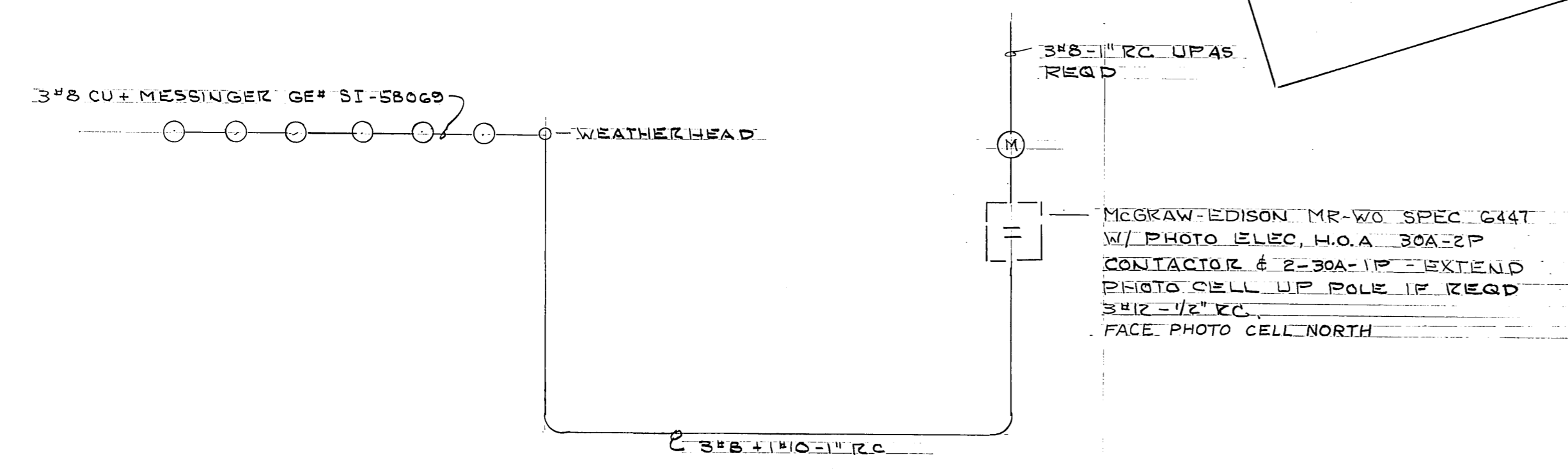
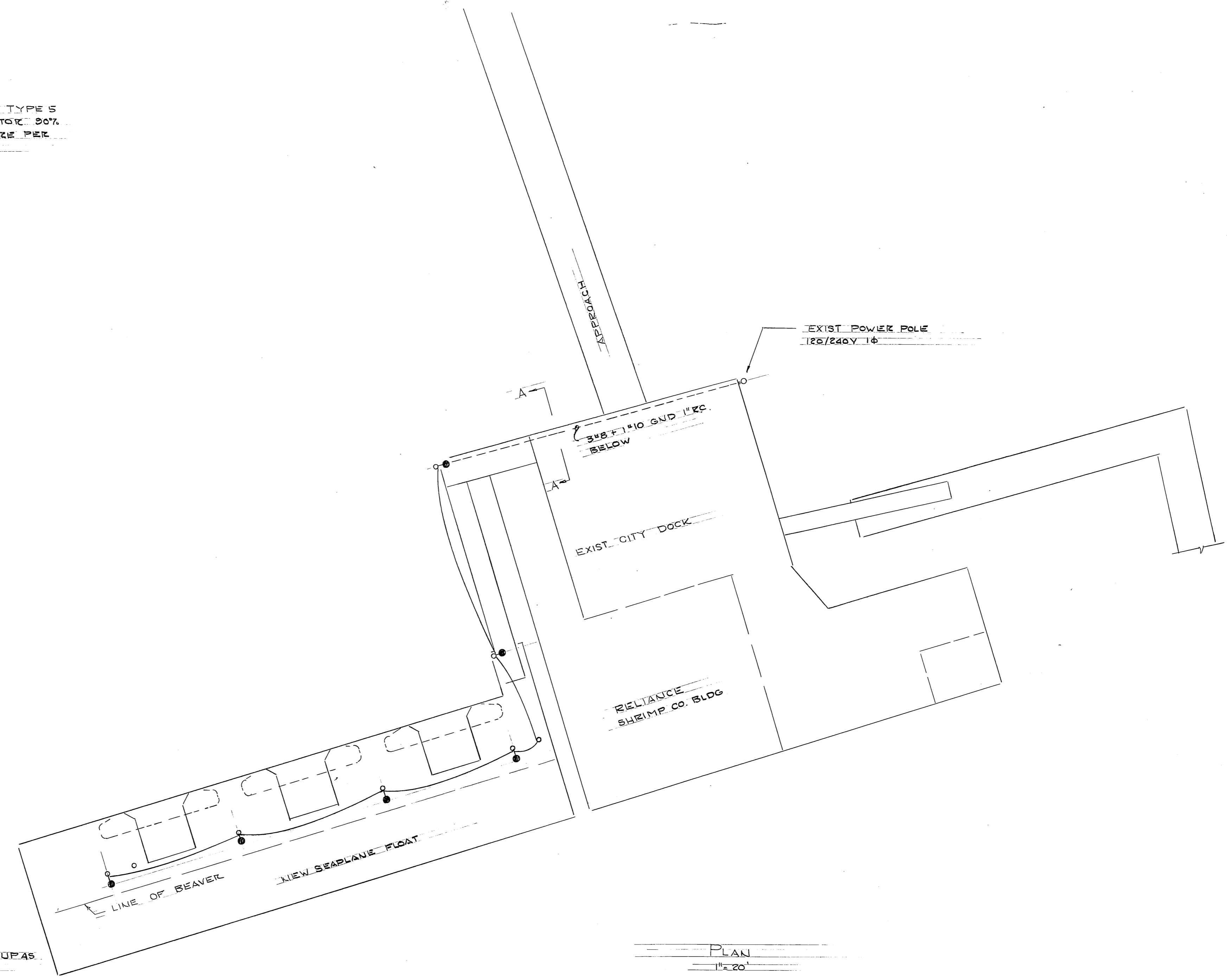




Fixture Detail
 1/2" x 1'-0"



SECTION A-A
 3'-4" x 1'-0"



ONE LINE DIAGRAM
 NO SCALE

AS-BUILT
 Date: 7-21-81
 Division of Harbor Design
 and Construction

| | | |
|-----------------------------------|---|--|
| STAMP | DO NOT SCALE THIS DRAWING - USE DIMENSIONS | |
| | STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION | |
| | ELECTRICAL SEA PLANE FLOAT | |
| | WRANGELL ALASKA | |
| SCALE: NOTED | SURVEYED: _____ | APPROVED: _____ |
| DESIGNED: LPL | DRAWN: MAY 80 | Robert P. Beck CHIEF OF DESIGN |
| CHECKED: HM | DATE: 6/80 | |
| PROJECT NUMBER: ADAP 5-02 0324-01 | SHEET 12 OF 12 | |