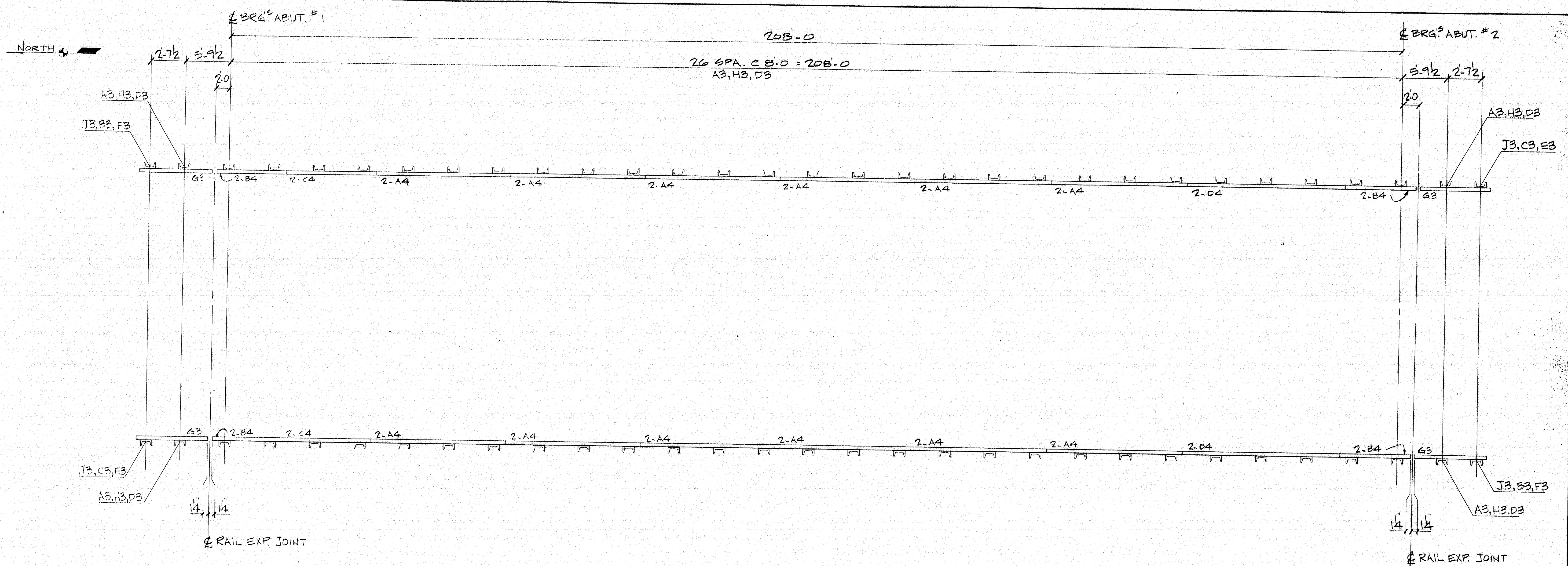




FRAMING PLAN C BRIDGE RAILING

|                                              |                                                   |
|----------------------------------------------|---------------------------------------------------|
| STATE OF MAINE                               |                                                   |
| DEPARTMENT OF TRANSPORTATION                 |                                                   |
| <input checked="" type="checkbox"/> Approved | <input type="checkbox"/> Returned for Corrections |
| OCT 03 1996                                  |                                                   |
| <input type="checkbox"/> Approved as noted   | <input type="checkbox"/> Rejected                 |

117-369

|                                                               |                       |
|---------------------------------------------------------------|-----------------------|
| ARC ENTERPRISES<br>KINGFIELD, ME.                             |                       |
| FRAMING PLAN C BRIDGE RAILING                                 |                       |
| PROJ. # F.S.P.BH-043-(40)X                                    | SCALE                 |
| ITEM # 501.0843                                               | DRAWN BY MESS         |
| MOUNT DESERT BRIDGE OVER MOUNT DESERT<br>NARROWS TRENTON, ME. |                       |
| DATE 7/26/96                                                  | DRAWING NUMBER #96-96 |
|                                                               | E1                    |

# MATERIAL LIST

| PK. QTY. | DESCRIPTION                                             |
|----------|---------------------------------------------------------|
| A1       | 1 EXPANSION DEVICE                                      |
| aa1      | 2 L4X4X $\frac{3}{8}$ X9.1                              |
| ma1      | 36 L $\frac{1}{2}$ "X0.8 H.S.A.                         |
| mb1      | 2 WATSON BOWMAN ACME EXTRUSION TYPE "A" X9.1            |
| mh1      | 1 B $\frac{3}{4}$ "X0.24 A325 W/N $\frac{1}{2}$ 2W      |
| mj1      | 4 B $\frac{3}{4}$ "X0.2 A307 W/N $\frac{1}{2}$ 2W       |
| mk1      | 2 2"X0.6 THD <sup>o</sup> ROD W/4N $\frac{1}{2}$ 4W     |
| ag1      | 1 L $\frac{3}{2}$ X $\frac{3}{2}$ X $\frac{3}{8}$ X0.11 |
| ah1      | 1 L $\frac{3}{2}$ X $\frac{3}{2}$ X $\frac{3}{8}$ X     |
| aj1      | 4 L $\frac{3}{2}$ X $\frac{3}{2}$ X $\frac{3}{8}$ X0.6  |
| pa1      | 1 FB $\frac{3}{8}$ X $\frac{1}{2}$ X1.0 CLIP            |
| pb1      | 1 FB $\frac{1}{4}$ X $\frac{3}{8}$ X0.6 CLIP            |
| B1       | 1 EXPANSION DEVICE                                      |
| ma1      | 46 H.S.A.                                               |
| ab1      | 1 L4X4X $\frac{3}{8}$ X9.7 $\frac{15}{16}$ PREP 2E      |
| ac1      | 1 X9.7 $\frac{15}{16}$                                  |
| ad1      | 1 X1.11 $\frac{15}{16}$                                 |
| ae1      | 1 L4X4X $\frac{3}{8}$ X1.11 $\frac{15}{16}$ PREP 2E     |
| mc1      | 1 WATSON BOWMAN ACME EXTRUSION TYPE "A" X9.8 PREP 2E    |
| md1      | 1 X2.0                                                  |
| me1      | 1 X9.8                                                  |
| mf1      | 1 WATSON BOWMAN ACME EXTRUSION TYPE "A" X2.0 PREP 2E    |
| mh1      | 2 BOLT                                                  |
| mj1      | 6 BOLT                                                  |
| mk1      | 3 THD <sup>o</sup> ROD                                  |
| ag1      | 2 L                                                     |
| ah1      | 2 L                                                     |
| aj1      | 6 L                                                     |
| pa1      | 2 FB                                                    |
| pb1      | 2 FB                                                    |
| C1       | 1 EXPANSION DEVICE                                      |
| af1      | 2 L4X4X $\frac{3}{8}$ X16.9                             |
| ma1      | 66 H.S.A.                                               |
| mq1      | 2 WATSON BOWMAN ACME EXTRUSION TYPE "A" X16.9           |
| mh1      | 2 BOLT                                                  |
| mj1      | 6 BOLT                                                  |
| mk1      | 3 THD <sup>o</sup> ROD                                  |
| ag1      | 2 L                                                     |
| ah1      | 2 L                                                     |
| aj1      | 6 L                                                     |
| pa1      | 2 FB                                                    |
| pb1      | 2 FB                                                    |

117-370  
 WATSON BOWMAN ACME  
 STRIP SEAL SE-400 X40.0 W/LUBE & ADHESIVE  
 MAT'L: 100% DOM. HOLES: AS NOTED  
 WELD: PER WELD PROCEDURE  
 PREP: SP6  
 FINISH: 3 COATS ZINC RICH PRIMER  
 3.0 M.O.F.T. PER COAT

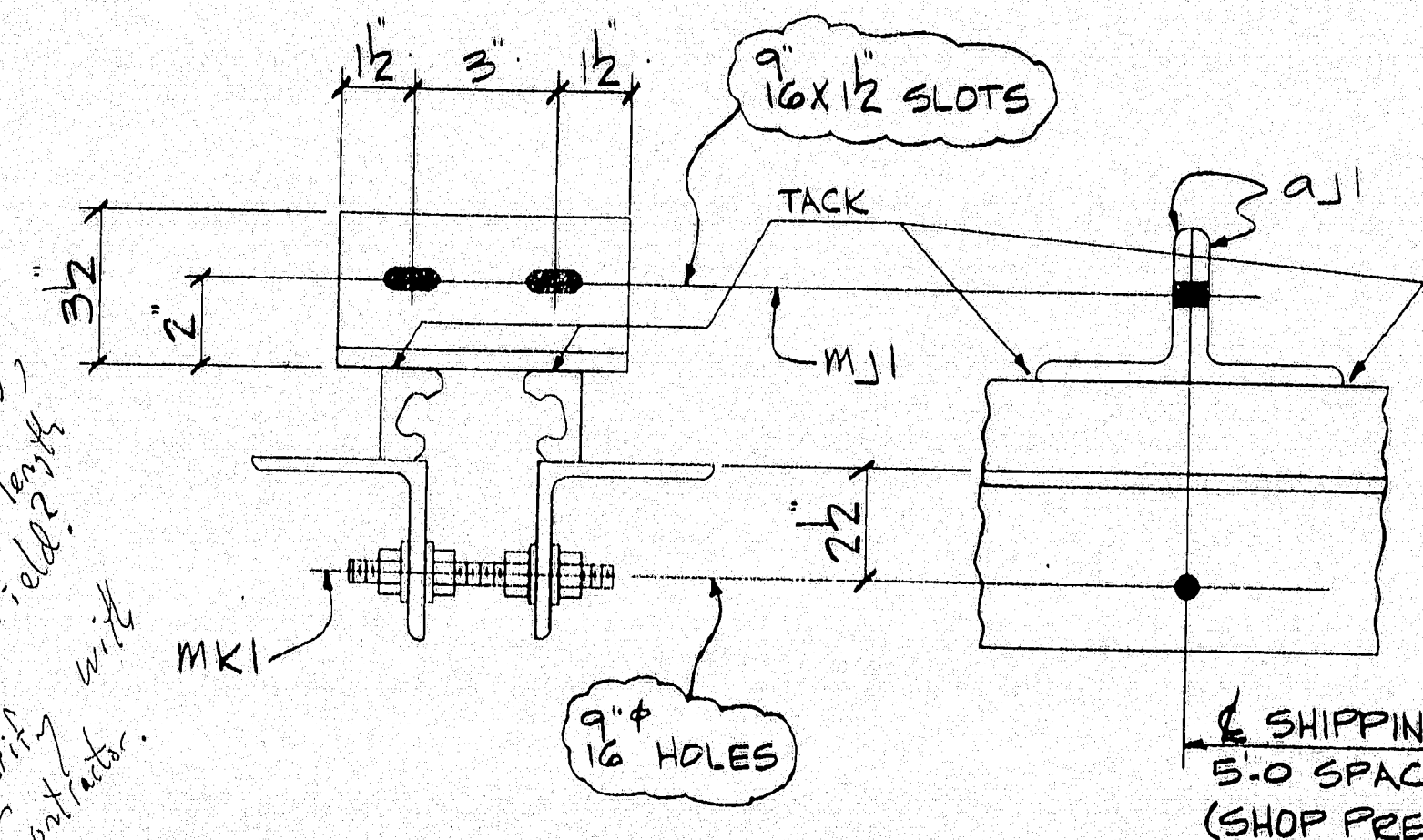
ARC ENTERPRISES  
 KINGFIELD, ME.

EXPANSION DEVICE C. ABUT. #1  
 DEPT. OF TRANSPORTATION  
 AUG 21 1996  
 APPROVED AS NOTED  
 11/25/96 # 96.96

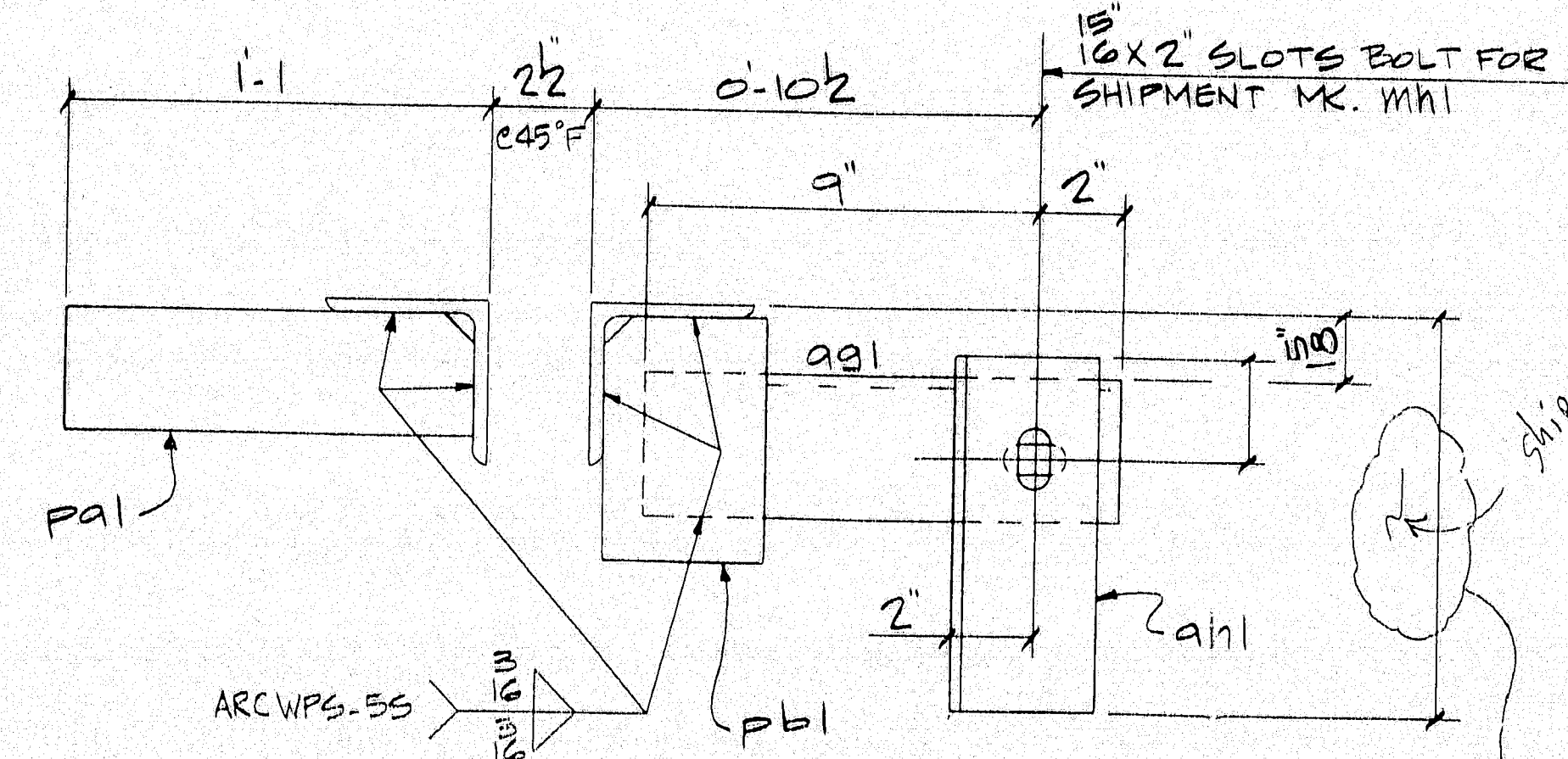
OFFICE COPY  
 RECEIVED AUG 16 1996  
 CHECKED BY WD  
 REVIEWED BY

SHIPPING DEVICE  
 5.0 SPACING MAX.  
 (SHOP PREFERRED)

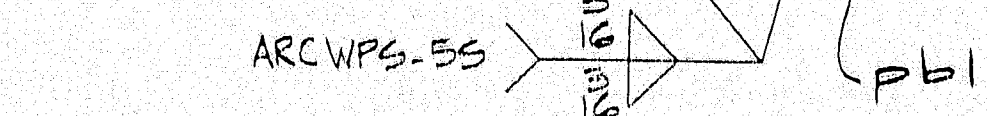
## SHIPPING DEVICE



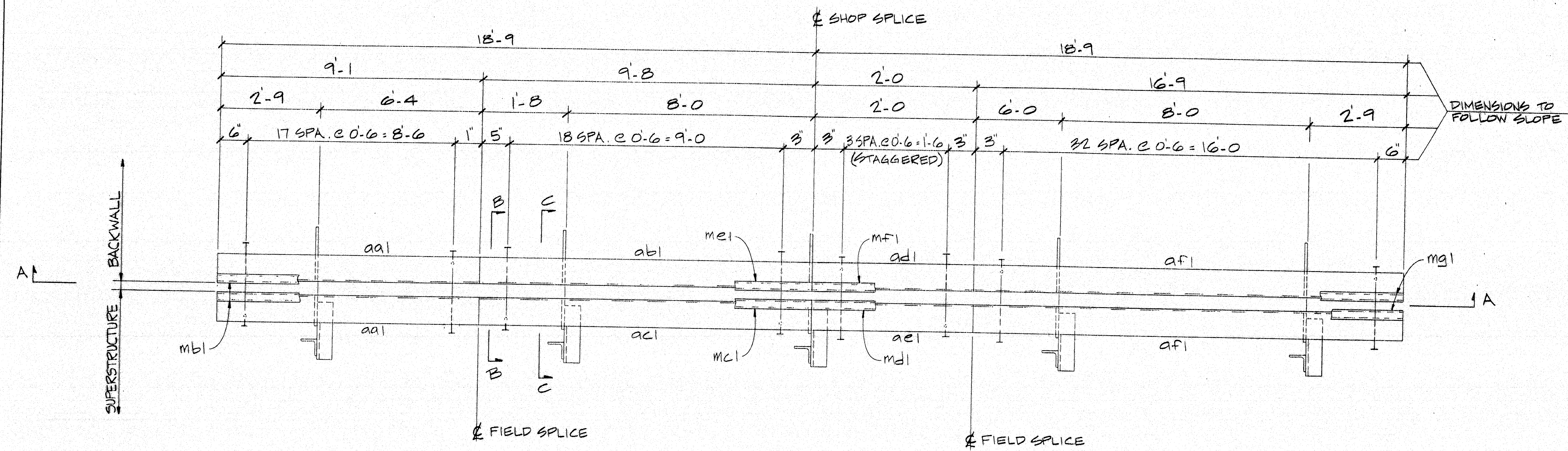
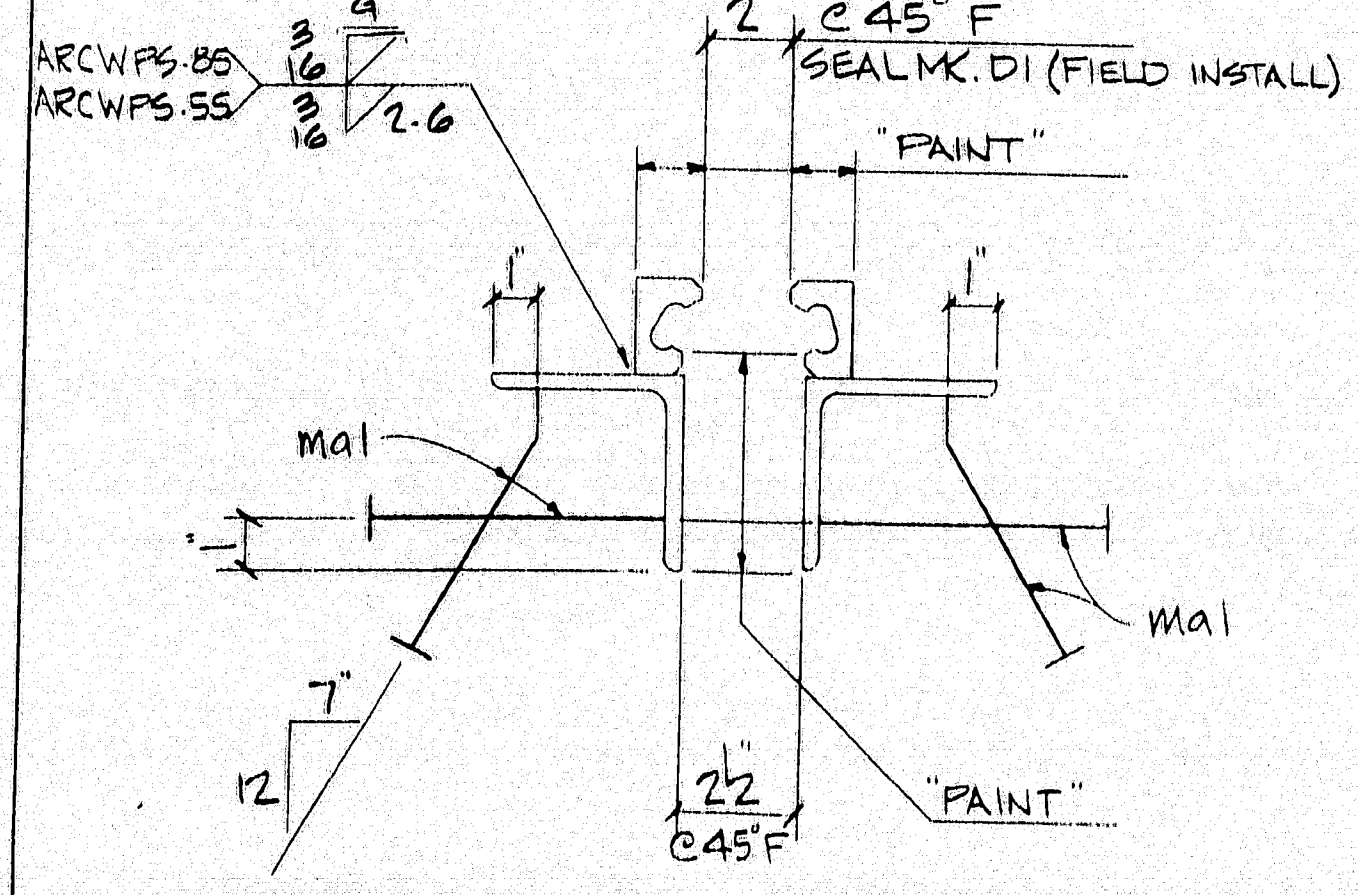
## SECT. A-A



## SECT. C-C



## SECT. B-B

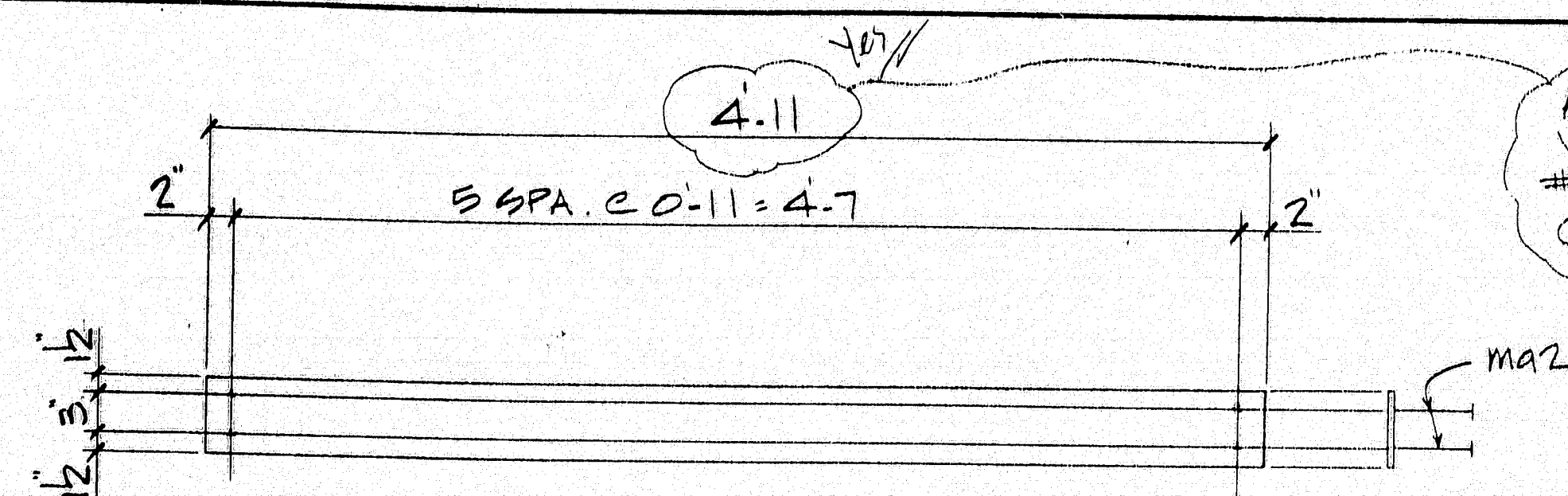


## ONE-EXPANSION DEVICE-MK. A1

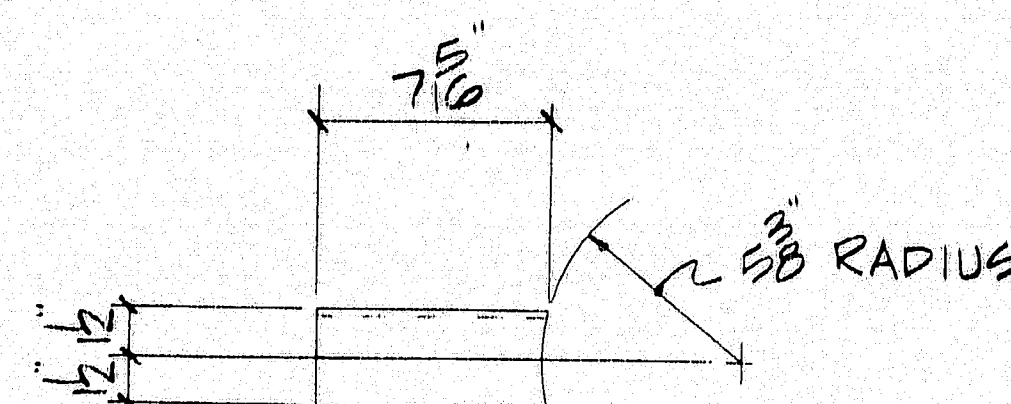
## ONE-EXPANSION DEVICE-MK. B1

## ONE-EXPANSION DEVICE-MK. C1

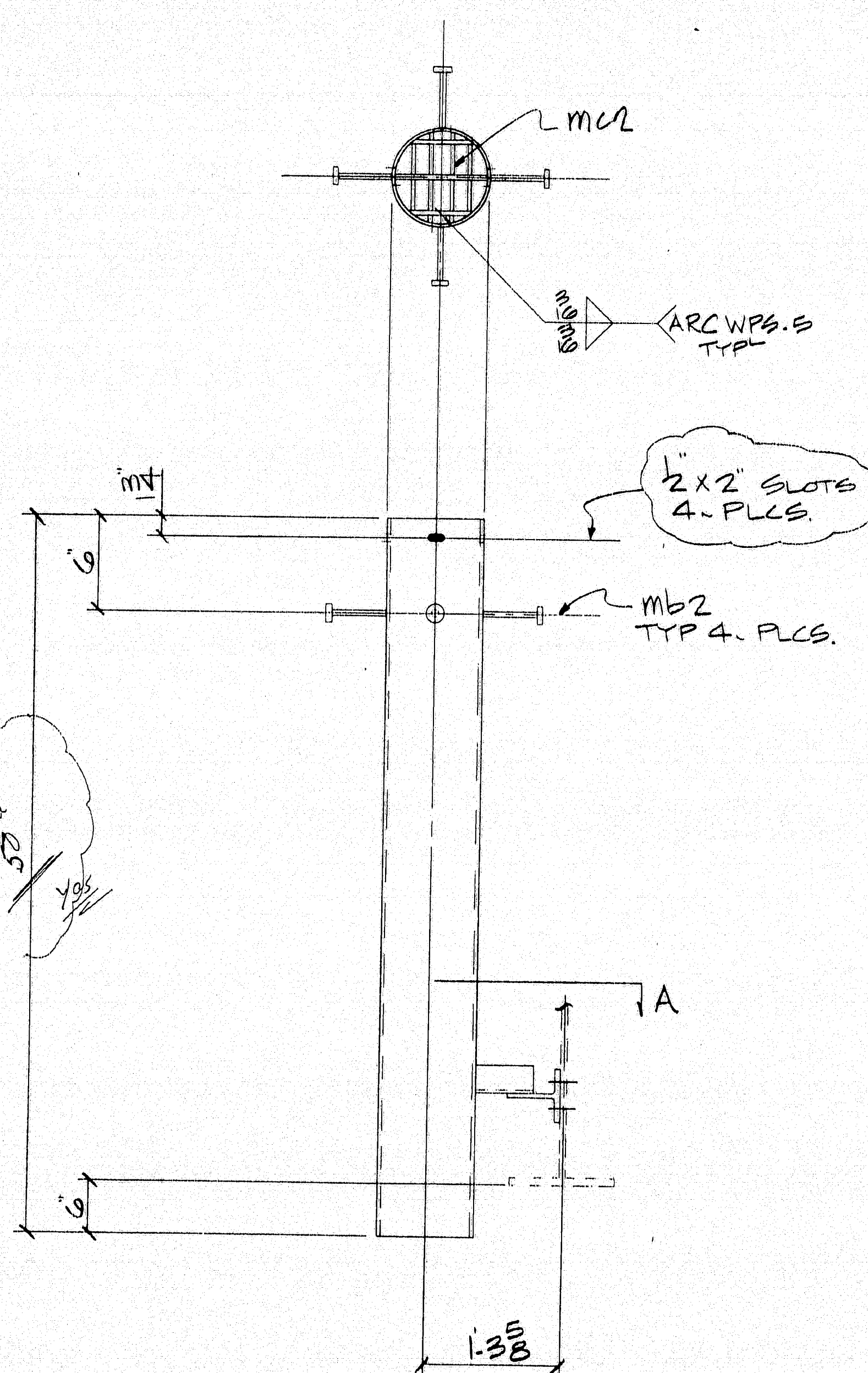
APPROVER PLEASE  
 SUPPLY!



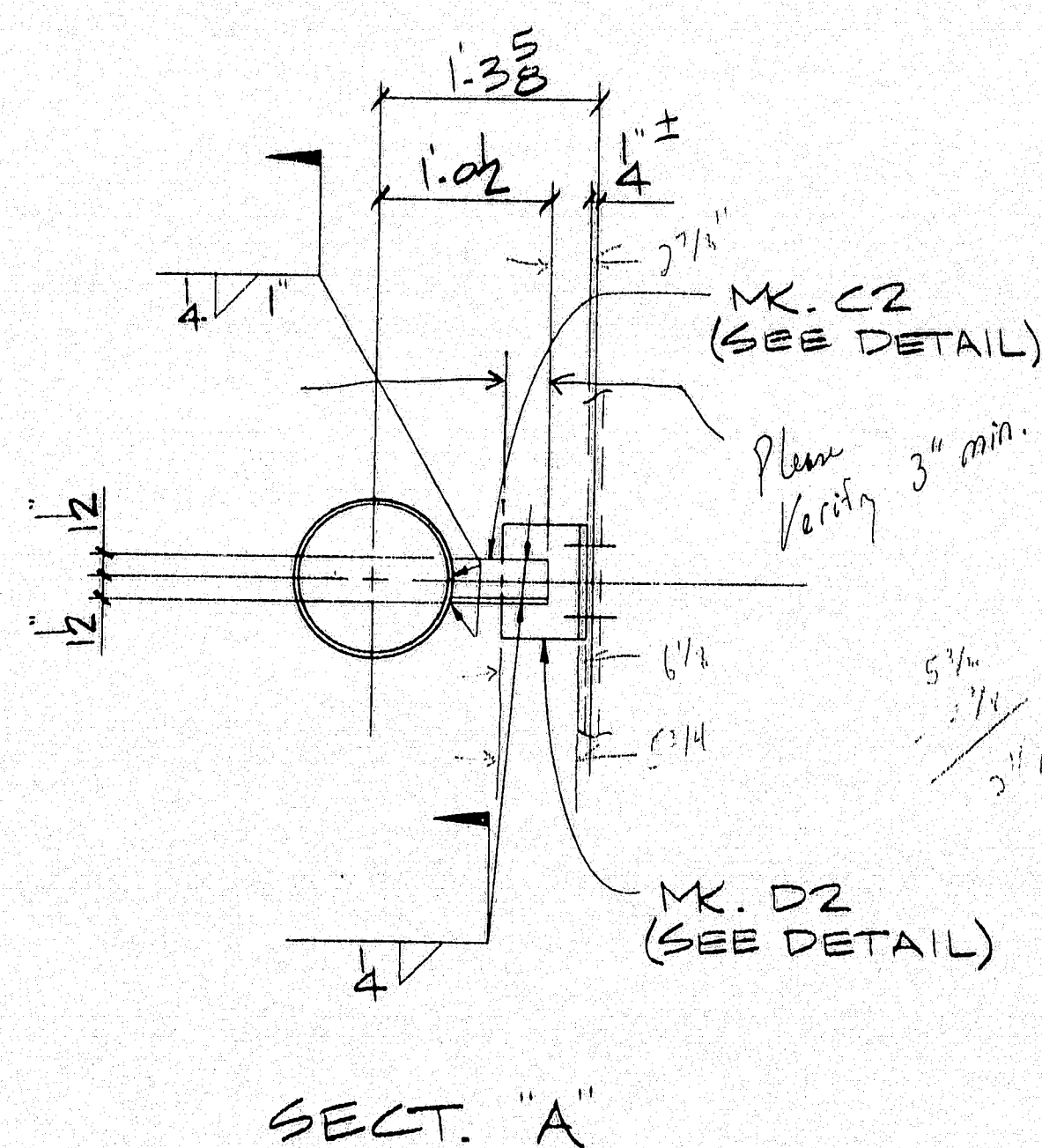
4-PLATES-MK. A2



4-BRACKETS-MK. C2  
(GALV.)



4-BRIDGE DRAINS-MK. B2  
(GALV.)



4-BRACKETS-MK. D2  
(GALV.)

APPROVER PLEASE  
SUPPLY QUANTITY  
& LENGTH.  
Repair Plates  
Length determined in field  
by Resident and Contractor

| MATERIAL LIST           |      |                                                                     |
|-------------------------|------|---------------------------------------------------------------------|
| MK.                     | QTY. | DESCRIPTION                                                         |
| A2                      | 4    | 1/2" x 6" x 4.11                                                    |
| MA2                     | 48   | 3/4" x 0.6 H.S.A.                                                   |
| B2                      | 4    | 10" x 50" PIPE ASS GALV.                                            |
| MB2                     | 16   | 1/2" x 0.6 H.S.A.                                                   |
| MC2                     | 4    | 1/2" x 0.10 W/1/2 x 5/8 B.B.                                        |
| C2                      | 4    | L3X3X3/8 X 0-7 1/2                                                  |
| D2                      | 4    | WT6X13X0-B                                                          |
| E2                      | 34   | F31" x 3/8 x 1-0                                                    |
| F2                      |      | 1/2" x 3/2 x                                                        |
| G2                      | 4    | 3/4" Rod x 20-0                                                     |
| H2                      | 1    | WATSON BOWMAN ACME COMPRESSION SEAL WA. 175 X 40.0 W/LUBEZ ADHESIVE |
| FIELD BOLTS (THIS SHT.) |      |                                                                     |
| IB                      | 8    | 5/8" x 0.2 A325 GALV.                                               |
| IB                      | 8    | 5/8" WASH. A325 d.o.                                                |
|                         |      | # NUTS                                                              |

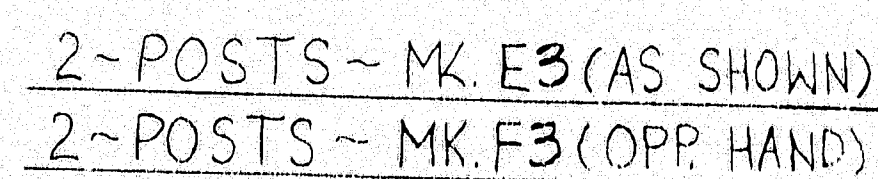
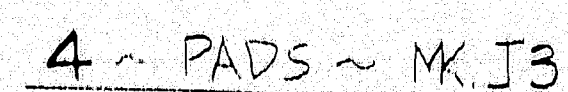
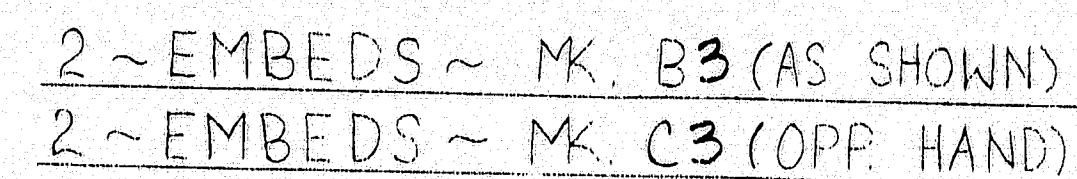
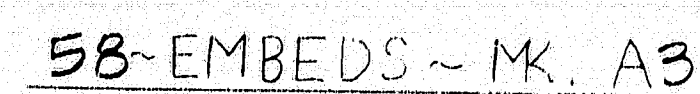
OFFICE COPY  
RECEIVED AUG 16 1996  
CHECKED BY WD  
REVIEWED BY

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
Approved ☐ Returned for Corrections ☐  
AUG 21 1996  
Approved as noted ☒ Rejected ☐

MAT'L: A709 GR. 36 DOM. HOLES: AS NOTED  
WELD: PER WELD PROCEDURE  
PREP: GPG  
FINISH: GALV. PER A.S.T.M. A123  
WHERE NOTED, except for  
Hardware per A.S.T.M. A153.

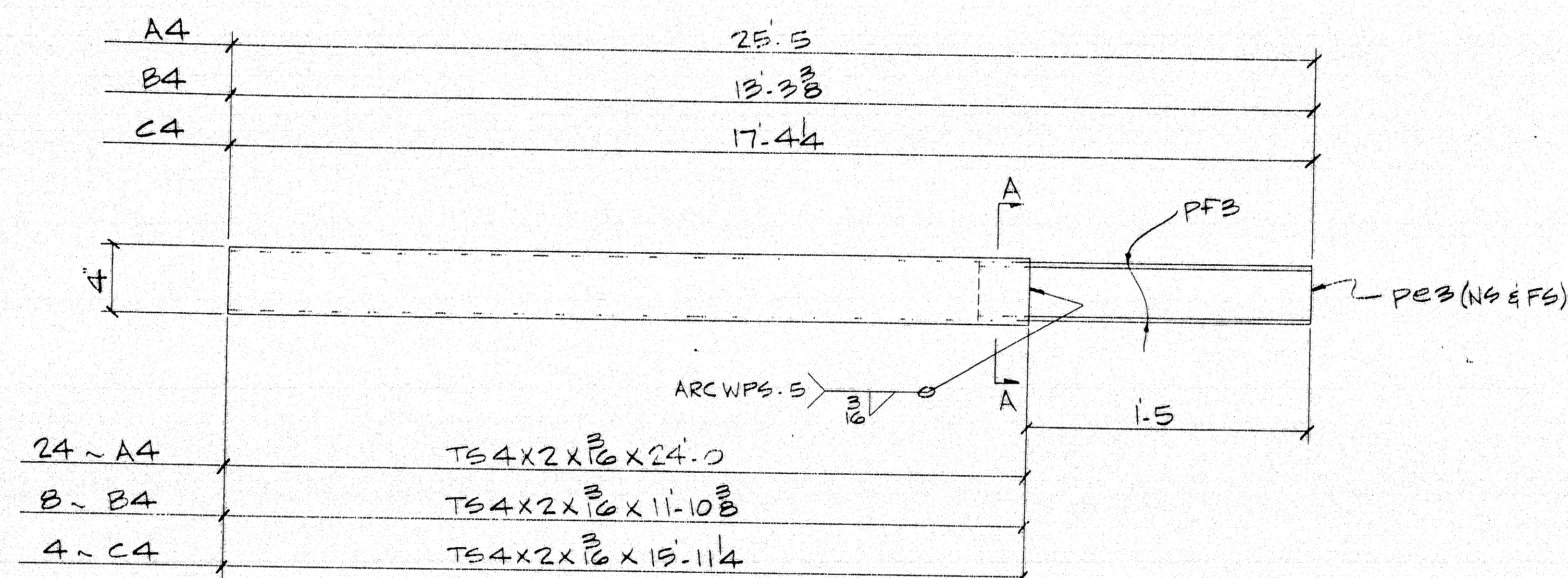
ARC ENTERPRISES  
KINGFIELD, ME.

EXPANSION DEVICE CABUT. #2 & DRAINS  
PROJ. # FSTP BH-043-1(40)X  
ITEM # 502.19, 520.242 & 520.243  
MOUNT DESERT BRIDGE OVER MOUNT DESERT  
NARROWS TRENTON, ME.  
DATE 7/26/96 DRAWING NUMBER # 96-96 2



All exposed cut or sheared edges shall  
be rounded and free of burrs.  
MAT'L: A36 DOM. HOLES: AS NOTED  
WELD: SEE PROC. NOTED  
PREP: SP6 **117-372**  
FINISH: GALV. PER A.S.T.M. A123 Fr  
PLATES & SHAPES.  
HARDWARE GALV PER A.S.T.M. A153.

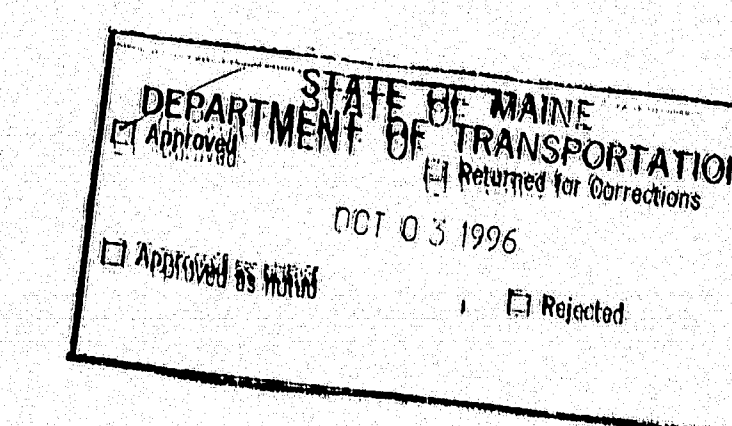
|                                                       |                                   |                                                           |                  |
|-------------------------------------------------------|-----------------------------------|-----------------------------------------------------------|------------------|
| STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION        |                                   | EMERGENCY, POST & RAIL DETAILS                            |                  |
| <input type="checkbox"/> Approved                     | <input type="checkbox"/> Returned | PROJECT NO. 67-043-140) X                                 | SCALE            |
| AUG 2 1996                                            |                                   | ITEM # SPT.0846                                           | DRAWN BY MSS     |
| <input checked="" type="checkbox"/> Approved as noted |                                   | MOUNT DESERT BRIDGE OVER MOUNT DESERT NARROW TRENTON, ME. |                  |
| DATE 1/21/98                                          |                                   | # 96-96                                                   | DRAWING NUMBER 3 |



SECT. A-A

1" x 2" x 1/2" A307 ROUND HEAD  
RIBBED NECK BOLTS W/ LOCK NUT & WASHER

| MATERIAL LIST |      |                                                                                                 |
|---------------|------|-------------------------------------------------------------------------------------------------|
| MK.           | QTY. | DESCRIPTION                                                                                     |
| A4            | 24   | TS 4x2x1/2x24'-0                                                                                |
| PE3           | 48   | PE 3/8x2 1/4x1'-8                                                                               |
| PF3           | 48   | PF 3/8x1'x1'-8                                                                                  |
| B4            | 8    | TS 4x2x1/2x11'-10 3/8                                                                           |
| PE3           | 16   | PE                                                                                              |
| PF3           | 16   | PF                                                                                              |
| C4            | 4    | TS 4x2x1/2x15'-11 1/4                                                                           |
| PE3           | 8    | PE                                                                                              |
| PF3           | 8    | PF                                                                                              |
| D4            | 4    | TS 4x2x1/2x27'-6 3/4 (PLAIN)                                                                    |
| FIELD BOLTS   |      |                                                                                                 |
| 250           | 2    | 1" x 2" x 1/2" A307 ROUND HEAD W/ LOCK NUT<br>RIBBED NECK BOLTS W/ LOCK NUT & WASHER<br>GALV. ↑ |



MAT'L: A36 DOM. HOLES: NONE  
WELD: NONE  
PREP: SP6  
FINISH: GALV. PER A.S.T.M. A123

117-373

ARC ENTERPRISES  
KINGFIELD, ME.

RAILS

PROJ. # F.OT.P.BH.043.1(40)X  
ITEM # 207.0848  
MOUNT DESERT BRIDGE OVER MOUNT DESERT  
NARROWS, TRENTON, ME.  
DATE 7/31/96  
DRAWING NUMBER 4