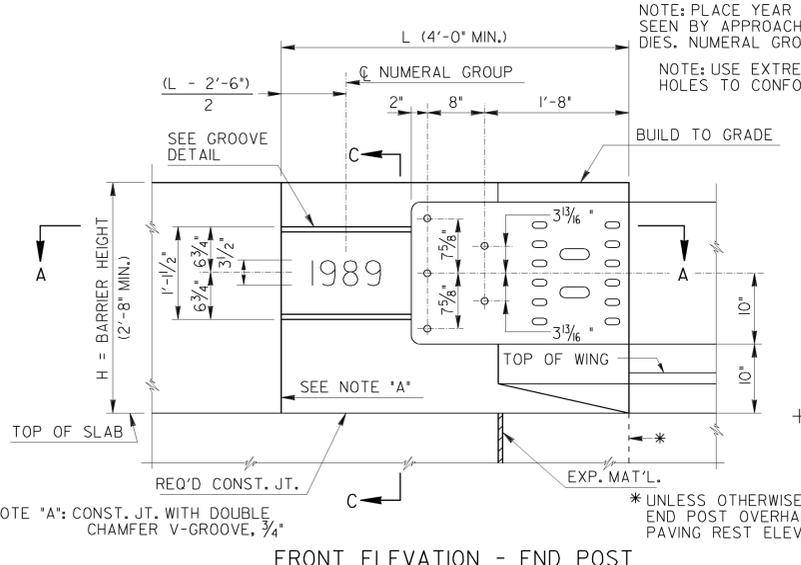


| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|-------|----------------|-----------|--------------|
| GA. | | | |

NOTE: PLACE YEAR BRIDGE IS BUILT ON EACH RIGHT-HAND END POST AS SEEN BY APPROACHING TRAFFIC. FORM NUMERALS WITH APPROVED METAL DIES. NUMERAL GROUP, ETC., TO BE ON GRADE.

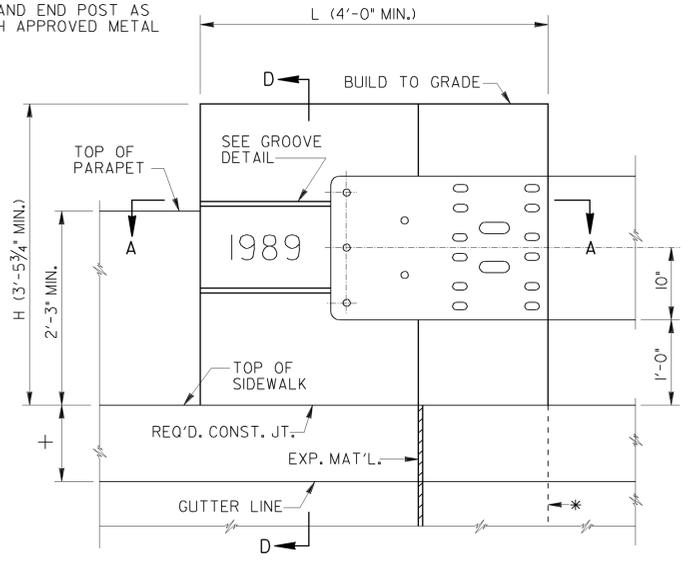
NOTE: USE EXTREME CARE IN PLACING FORMED HOLES TO CONFORM TO PATTERN EXACTLY.

* UNLESS OTHERWISE SHOWN OR NOTED, CARRY END POST OVERHANG DOWN TO TOP OF PAVING REST ELEVATION.



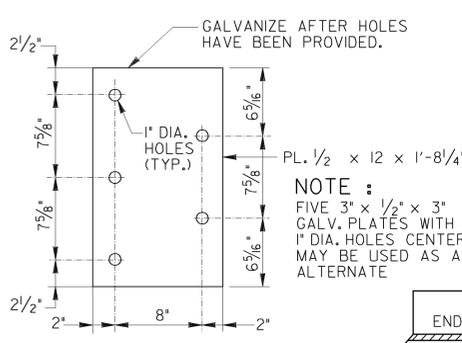
FRONT ELEVATION - END POST

BARRIER SCALE: 1" = 1'-0"



FRONT ELEVATION - END POST

SIDEWALK AND PARAPET SCALE: 1" = 1'-0"

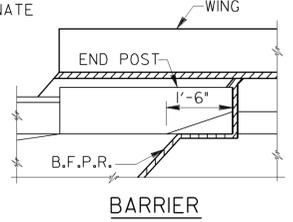


DETAIL "A" NO SCALE

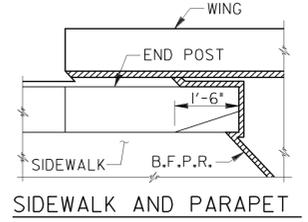
LIMIT OF GROOVES ON ALL POSTS (L - 2'-6")

| MATERIALS | |
|--------------|----------------------------------|
| ITEM | SPECIFICATIONS |
| GUARDRAIL | A.A.S.T.H.O. SPECIFICATION M 180 |
| 1/2" PLATE | A.S.T.M. DESIGNATIONS A-36 |
| NUTS & BOLTS | A.S.T.M. DESIGNATION A-307 |
| WASHERS | MEDIUM STEEL |
| GALVANIZING | A.S.T.M. A-153 |

NOTE: FIVE 3" x 1/2" x 3" GALV. PLATES WITH 1" DIA. HOLES CENTERED MAY BE USED AS AN ALTERNATE



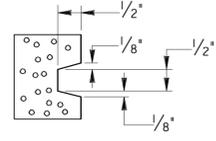
BARRIER



SIDEWALK AND PARAPET

TYPICAL SKEWED END DETAIL

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

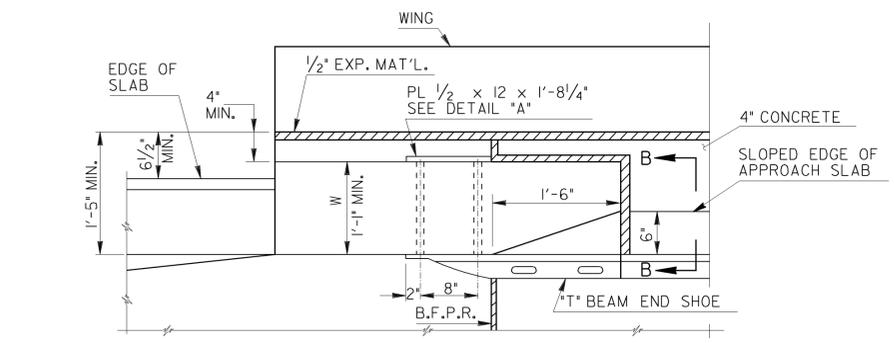


GROOVE DETAIL HALF SCALE

SEE DETAIL "B" FOR LIMITS OF GROOVE

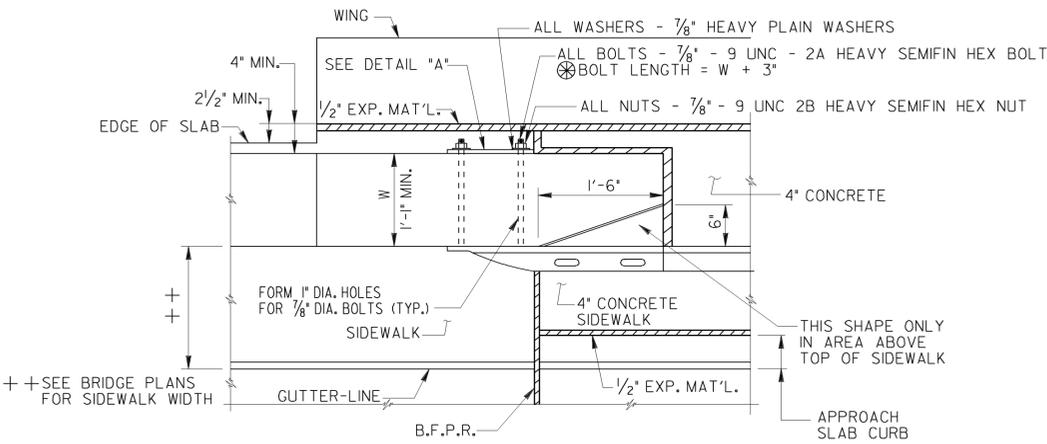
GENERAL NOTES

- SPECIFICATIONS - GEORGIA STANDARD.
- LOCATION - ALL END POSTS UNLESS NOTED ON BRIDGE PLANS.
- CHAMFER - CHAMFER ALL EXPOSED EDGES 3/4".
- GALVANIZING - ALL METAL PARTS SHALL BE GALVANIZED AFTER FABRICATION.
- PAYMENT FOR MISCELLANEOUS HARDWARE - COST OF 1/2" PLATE AND MISCELLANEOUS HARDWARE SHALL BE INCLUDED IN THE PRICES BID FOR CONTRACT ITEMS.
- PAYMENT FOR THE END POST - IF END POST IS A PORTION OF THE SUBSTRUCTURE, CONCRETE AND REINFORCEMENT ARE COMPUTED AND INCLUDED IN THE END BENT QUANTITIES. IF END POST IS A PORTION OF THE SUPERSTRUCTURE, CONCRETE AND REINFORCEMENT ARE COMPUTED AND INCLUDED IN THE END SPAN QUANTITIES.
- RESPONSIBILITY - WHEN THE BRIDGE CONTRACT IS SEPARATE FROM THE CONTRACT CONTAINING THE APPROACHING GUARDRAIL, THE BRIDGE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR THE CONSTRUCTION OF THE END POSTS AND FORMING OF THE 1" DIAMETER BOLT HOLES. THE CONTRACT CONTAINING THE APPROACHING GUARDRAIL SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING THE SPECIAL END SHOE, PLATE, NUTS, WASHERS, AND BOLTS.
- DIMENSIONS - FOR DIMENSIONS "L", "H", AND "W" AND OTHER DIMENSIONS, SEE BRIDGE PLANS.
- END POST - END POST TO BE CONSTRUCTED AFTER HANDRAIL IS IN PLACE. END POST TO BE CONSTRUCTED AFTER BARRIER IS CONSTRUCTED WHEN NO HANDRAIL IS USED.



PLAN - END POST

BARRIER SCALE: 1" = 1'-0"

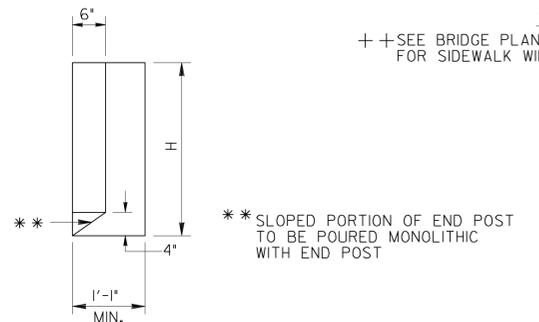


PLAN - END POST

SIDEWALK AND PARAPET SCALE: 1" = 1'-0"

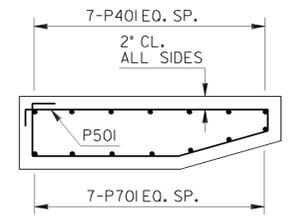
⊗ BOLT LENGTH SHALL BE OF SUFFICIENT LENGTH TO PROVIDE FOR FULL NUT ATTACHMENT. W + 3" DIMENSION SHALL BE FIELD VERIFIED PRIOR TO ORDERING BOLTS TO INSURE PROPER LENGTH.

++ SEE BRIDGE PLANS FOR SIDEWALK WIDTH



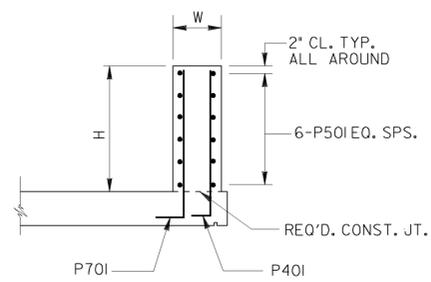
SECTION B-B SCALE: 3/4" = 1'-0"

** SLOPED PORTION OF END POST TO BE POURED MONOLITHIC WITH END POST

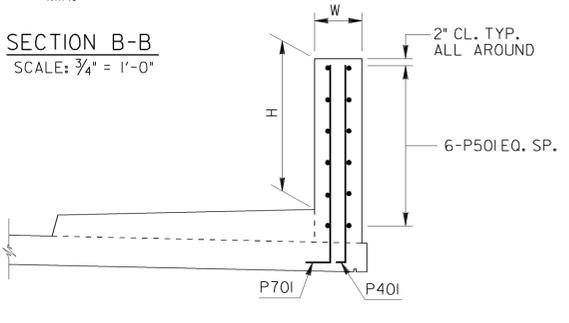


SECTION A-A SCALE: 3/4" = 1'-0"

NOTE: IF END POST IS ON SUBSTRUCTURE, SEE BRIDGE PLANS FOR BARS THAT DOWEL FROM BELOW.



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



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

| NO. BARS REQ'D | | |
|----------------|---------|----------|
| MARK | BARRIER | SIDEWALK |
| P40I | 7 | 7 |
| P50I | 6 | 6 |
| P70I | 7 | 7 |

FOR END POST ON SUPERSTRUCTURE:
 A = H - 4" + SLAB DEPTH (FOR BARRIER)
 A = H - 4" + SIDEWALK DEPTH + SLAB DEPTH (FOR SIDEWALK AND PARAPET)
 B = 1'-0"
 FOR END POST ON SUBSTRUCTURE:
 A = H - 2"
 B = 0"
 NOTE: ROTATE P70I AND P40I AS NECESSARY TO MAINTAIN 2" MIN. CL. IN CONCRETE.

| | | | |
|---|-------------|--|------|
| 9-30-02 6-30-98 | | DATE | |
| REV. TRANSITION REDRAWN | BY | REVISION | DATE |
| DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA | | | |
| STANDARD END POST AND END POST GUARDRAIL ATTACHMENT DETAILS | | | |
| SCALE: AS SHOWN | | MAY 1989 | |
| DESIGNED H.W.C. | (SUBMITTED) | JAMES A. BANNELL ALBERT DESIGN ENGINEER CHIEF ENGINEER | |
| DRAWN E.R.M. | STATE ROAD | | |
| CHECKED H.W.C. | (APPROVED) | | |
| NUMBER 3054 | | | |