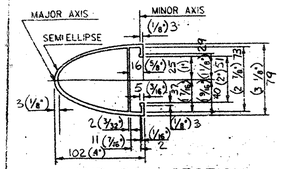
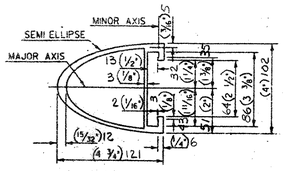
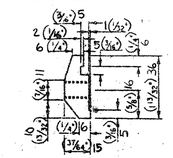


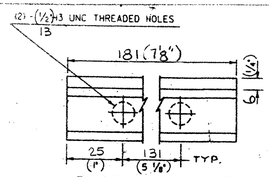
HAND RAIL SECTION



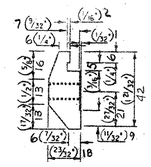
BARRIER RAIL SECTION



POST CONNECTION
HAND RAIL SECTION



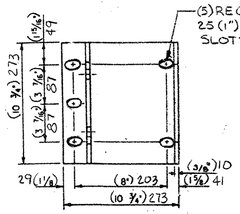
POST CONNECTION
ELEVATION



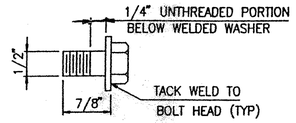
POST CONNECTION
BARRIER RAIL SECTION

96 — HAND RAIL CLAMP BARS - CB-01-H

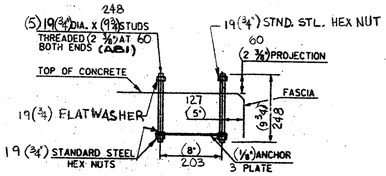
192 — BARRIER RAIL CLAMP BARS - CB-03-A



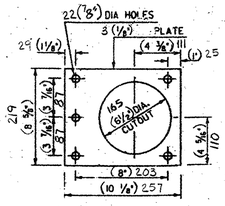
POST BASE
PLAN



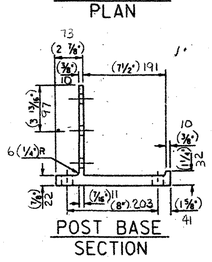
SPLICE BOLT DETAIL



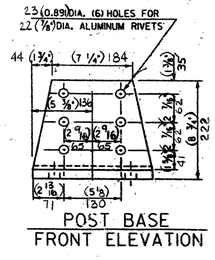
48 — POST ANCHOR ASSEMBLY A81



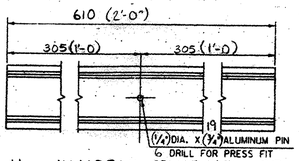
48 — ANCHOR PLATE - AP-1



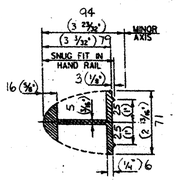
POST BASE
SECTION



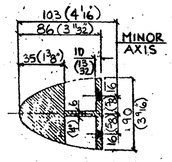
POST BASE
FRONT ELEVATION



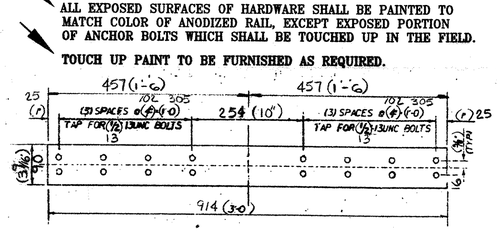
11 — HANDRAIL SPLICE BAR - SS-12-A
REAR ELEVATION



HAND RAIL
SPLICE BAR SECTION



BARRIER RAIL SPLICE SECTION



22 — BARRIER RAIL SPLICE BAR SS-03-G

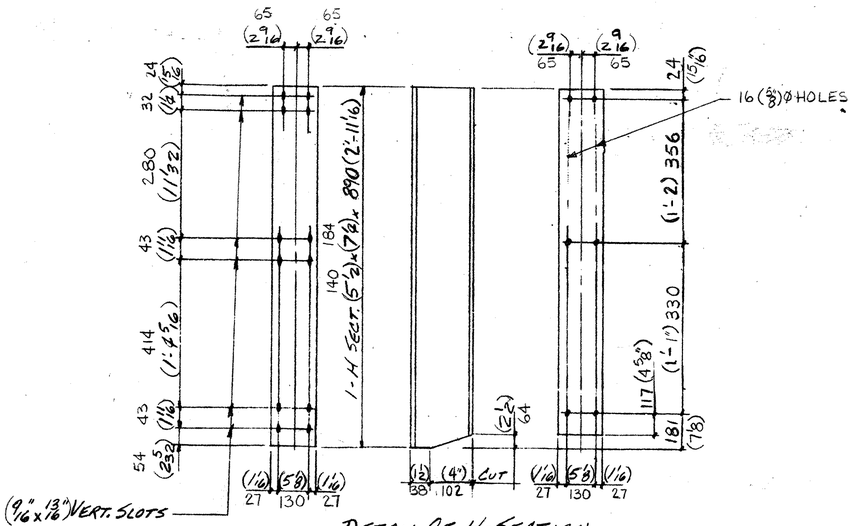
GENERAL NOTES

- MATERIAL FOR POSTS, BASES, & BALUSTER FRAMES SHALL BE ALUM. PER ASTM B221, ALLOY 6061-T6 OR ALLOY 6351-T5.
- RAILS, SLEEVES, CLAMP BARS, & PINS TO BE ALLOY 6061-T6 OR ALLOY 6351-T5, PER ASTM B221.
- WELD WIRE SHALL BE AWS ER5356 ELECTRODE WIRE.
- MATERIAL FOR ALUMINUM WASHERS SHALL BE ASTM B209, ALLOY ALCLAD 2024-T4.
- MATERIAL FOR RIVETS SHALL BE ASTM B316, ALLOY 6061-T6, RIVETS TO BE BUTTON HEAD AND CONE POINT, COLD DRIVEN.
- ENDS OF RAIL SHALL BE CUT SQUARE AND GROUND FREE OF BURRS AND ROUGH EDGES.
- POSTS SHALL BE NORMAL TO GRADE AND RAILING PARALLEL TO GRADE.
- ANCHOR BOLTS, WASHERS, & HEX NUTS SHALL BE STEEL IN ACCORDANCE WITH ASTM A449 OR ASTM A325, GALV. PER ASTM A153.
- ANCHOR PLATES SHALL BE COMMERCIAL QUALITY CARBON STEEL PER ASTM A569 (PLAIN). AASHTO M 183M
- CLAMP BAR BOLTS SHALL BE STNL. STL. PER ASTM A193, GRADE B8.
- PREFORMED FABRIC BEARING PADS SHALL BE COMPOSED OF ONE OR MORE LAYERS (8 OZ.) 226.8g COTTON DUCK IMPREGNATED AND BOUND WITH HIGH QUALITY NATURAL RUBBER OR OF EQUIVALENT AND EQUALLY SUITABLE MATERIALS COMPRESSED INTO RESILIENT PADS OF UNIFORM THICKNESS. THE FINISHED PADS SHALL WITHSTAND COMPRESSION LOADS PERPENDICULAR TO THE TOP OF PAD OF NOT LESS THAN (10,000 p.s.i.) WITHOUT DETRIMENTAL REDUCTION IN THICKNESS OR EXTRUSION. 68.9 MPa
- RAILING SHALL BE ATTACHED TO A MIN. OF 3 POSTS WHEN POSSIBLE.
- ALL THREADS TO BE UNC CLASS 2A/2B.
- ALL EXTRUSION TOLERANCES NOT SHOWN SHALL BE IN ACCORDANCE w/ ASTM B221.

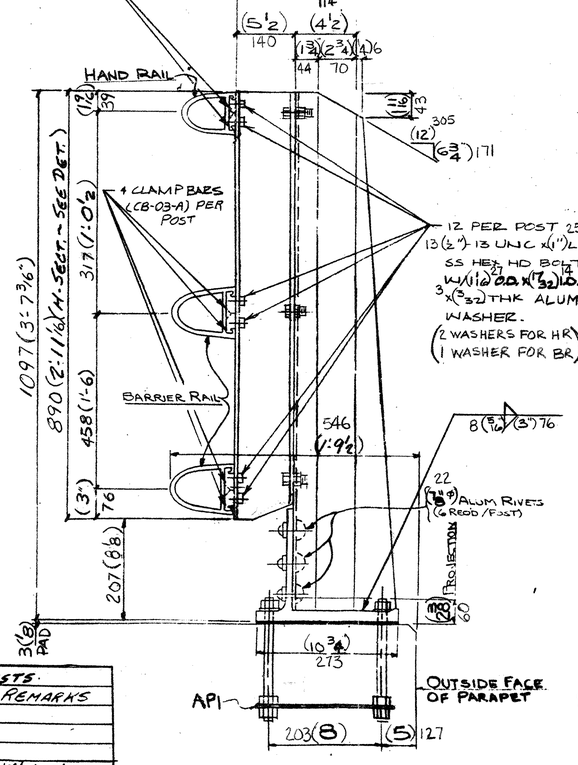
ALL ALUMINUM COMPONENTS SHALL BE ANODIZED. COLOR: DARK BLACK.

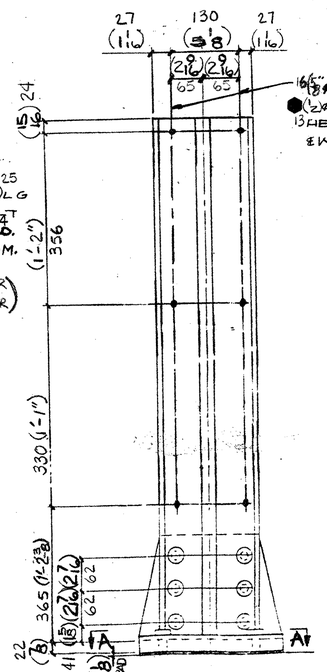
ALL EXPOSED SURFACES OF HARDWARE SHALL BE PAINTED TO MATCH COLOR OF ANODIZED RAIL, EXCEPT EXPOSED PORTION OF ANCHOR BOLTS WHICH SHALL BE TOUCHED UP IN THE FIELD.

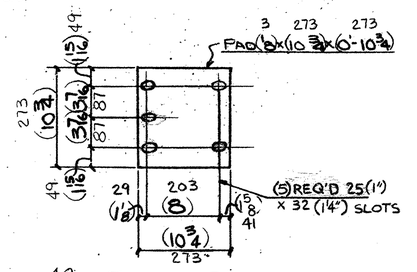
TOUCH UP PAINT TO BE FURNISHED AS REQUIRED.



DETAIL OF H-SECTION







48 - FABRIC PADS

● BOLTS FOR ATTACHING OFFSET BLOCK (H-SECTION) TO POST

48 - FABRICATED 3-LINE RAILING POSTS

QTY.	DESCRIPTION	POST MK	LENGTH	REMARKS
48	POST		1075 (3'-6 5/16")	
48	H-SECTION		890 (2'-11 1/16")	
48	BASE		273 (10 3/4")	
288	(13) (1/2") Ø S.S. HX. HD BOLT		40 (1 1/2")	W/NUT & WASH.
288	(22) (7/8") Ø ALUM. RIVETS			

RECEIVED
CK'D BY GWC OK'D BY MBP
DEC 23 1999
RESUBMIT ____ APPROVED AS NOTED
BY ____ DATE DEC 30 1999

APPROVED: ____ REC'D APPROVAL ____ DRAWING ____

L. B. FOSTER CO.
1016 GREENTREE RD.
PITTSBURGH, PENNSYLVANIA 15220

FOR: BECK AND BELLUCCI, INCORPORATED
VERMONT AGENCY OF TRANSPORTATION
TOWN OF BRISTOL, ADDISON COUNTY - PROJ NO. FRO21-1(13)
3-LINE ALUM BRIDGE RAIL 089
GENERAL NOTES AND TYPICAL DETAILS

MADE BAB DATE 11/10/99 JOB NO A19199 CUST NO
CHECK KAD DATE 11/12/99 DRAWING LB1 REV NO

REV.	DESCRIPTION	BY	DATE	APP'D