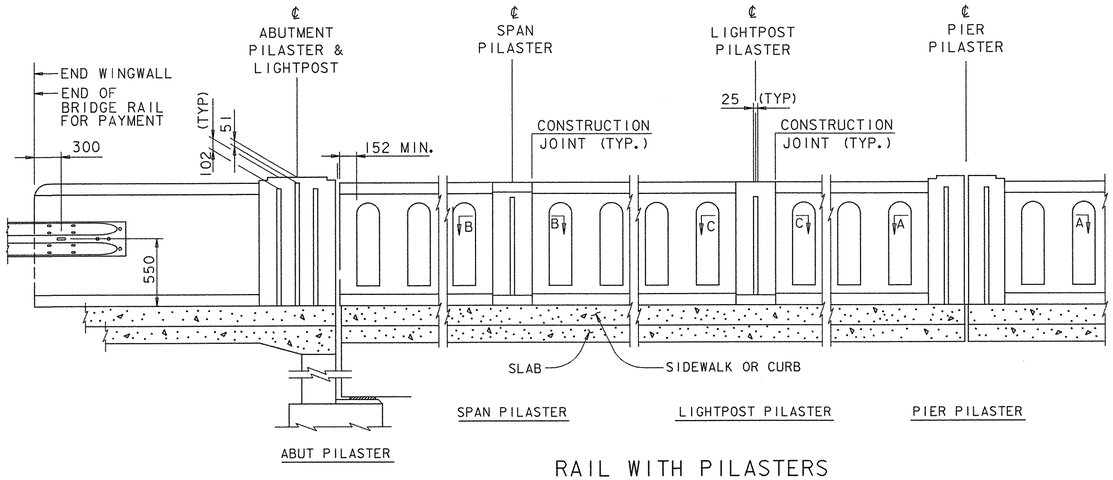
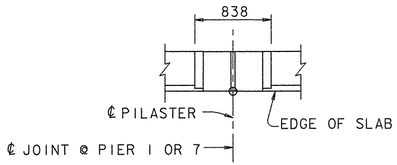
WINDOW PLACEMENT NOTES:

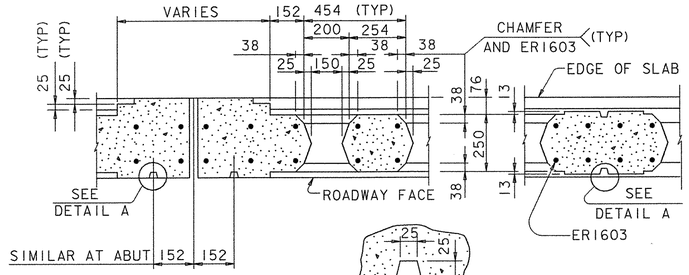
1. THE DISTANCE FROM PILASTER TO THE FIRST WINDOW MAY BE ADJUSTED FROM A MINIMUM OF 76 TO A MAXIMUM OF 191, UNLESS OTHERWISE SHOWN.
2. THE ONLY EXCEPTION TO NOTE # 3 IS AN EXPANSION JOINT. THE MINIMUM DISTANCE FROM THE EDGE OF AN EXPANSION JOINT TO THE FIRST WINDOW IS 152.
3. SHOP DRAWINGS WILL BE REQUIRED FOR THIS RAIL. ADDITIONALLY, PRIOR TO FORMING THE RAILING, THE CONTRACTOR SHALL DEMONSTRATE TO THE SATISFACTION OF THE RESIDENT ENGINEER, THE FORMING TECHNIQUE AND THAT THE WINDOWS WILL BE PLACED CORRECTLY.
4. HOLES AND RECESSES MUST BE FORMED OR CORED. PERCUSSION DRILLING IS NOT PERMITTED.
5. 26-35 DIA. WASHERS ARE REQUIRED UNDER 22 DIA. BOLT HEADS AND NUTS.



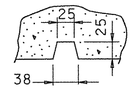

## RAIL WITH PILASTERS



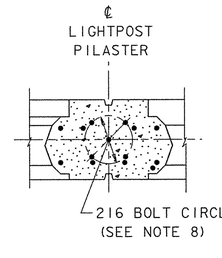

## PIER PILASTER JOINT




## SECTION A-A




## DETAIL A



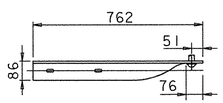

## SECTION B-B

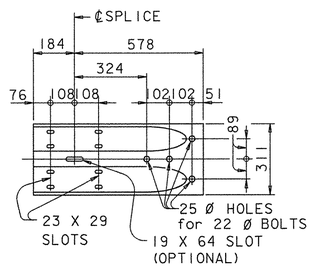
## SECTION C-C

(ABUTMENT BOLT CIRCLES SIMILAR)

GENERAL RAILING NOTES:

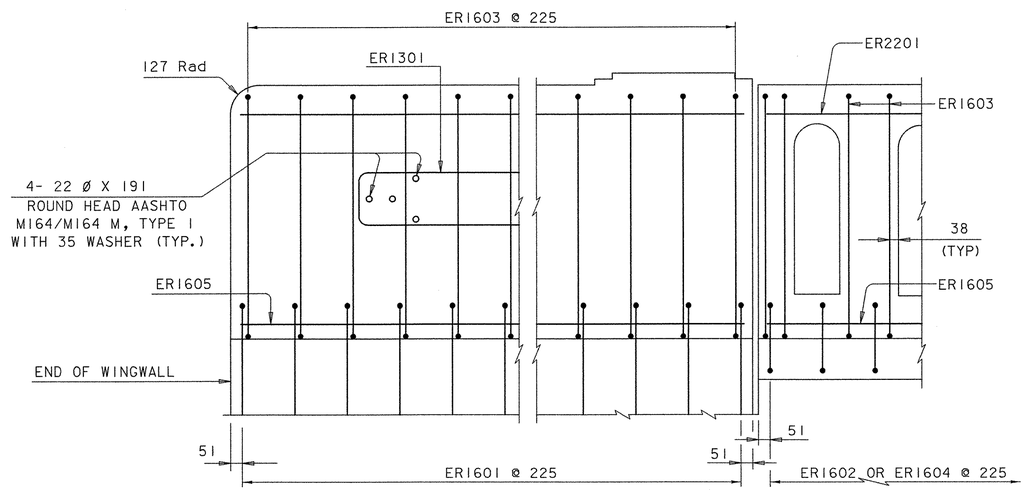
1. ALL PARTS OF THE RAILING INCLUDING REINFORCING STEEL, GUARDRAIL TERMINAL CONNECTOR, BOLTS, NUTS, AND WASHERS ARE INCLUDED IN THE PRICE BID PER L.F. OF BRIDGE RAIL.
2. ALL CONCRETE FOR RAILING SHALL BE CONCRETE HIGH PERFORMANCE CLASS AA.
3. DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTERS OF BARS.
4. ALL REINFORCING STEEL IN THE RAILING SHALL BE EPOXY COATED.
5. LIGHTPOST ANCHOR BOLTS WILL BE SUPPLIED BY THE LIGHTING MANUFACTURER AND SHALL BE PLACED AS PER THE MANUFACTURER'S RECOMMENDATIONS. ALL COSTS FOR ANCHOR BOLT INSTALLATION SHALL BE INCLUDED IN THE PRICE PER L.F. OF BRIDGE RAIL.




## TERMINAL CONNECTOR

TERMINAL CONNECTOR SHALL RECEIVE THE SAME PROTECTIVE COATING AS THE ATTACHED METAL BEAM GUARD FENCE




## TYPICAL REINFORCING PLACEMENT

NOTES:

1. SEE SHEET 81 FOR PILASTER AND WINDOW LAYOUT.
2. SEE SHEET 81A FOR APPROACH RAIL DETAILS.
3. SEE SHEETS 89-90 FOR ADDITIONAL LIGHTING DETAILS.

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (92)

VHB Vanasse Hangen Brustlin, Inc.

# STATE OF VERMONT
## AGENCY OF TRANSPORTATION

| | |
|---|---|
| Town Of COLCHESTER-SOUTH BURLINGTON | Bridge No. 6 |
| | Log Sta. |
| Highway No. TH 4/3 | Surv. Sta. |
| TH 4/3 OVER WINOOSKI RIVER & N.E.C.R. | |
| **CONCRETE BRIDGE RAIL (1 OF 3)** | |
| Designed By VTRANS | Drawn By B.J. MASSE |
| Checked By VTRANS/MAC Date 4/05 | Bridge Design Supervisor S.M. GUNN Date 4/05 |
| PROJECT COLCHESTER-SOUTH BURLINGTON | PROJECT NO. BRM 5600(6)S C/2 |
| I.G.C. Info. | |
| Bridge Sheet No. ZD139TEXRAIL Sheet 79 of 124 | |

VHB NO. 50735 plot date: 4/25/2005