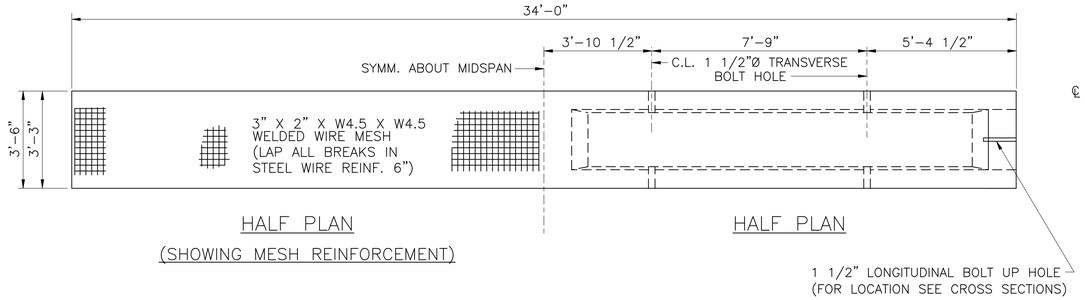
U:\Standards\Precast\ALDOT Precast Standards\2010 Book\PC34_2.dgn
Plotted: 21-Aug-2009 12:01 PM

| REFERENCE PROJECT NUMBER | FISCAL YEAR | SHEET NUMBER |
|---|---|---|
| | | |

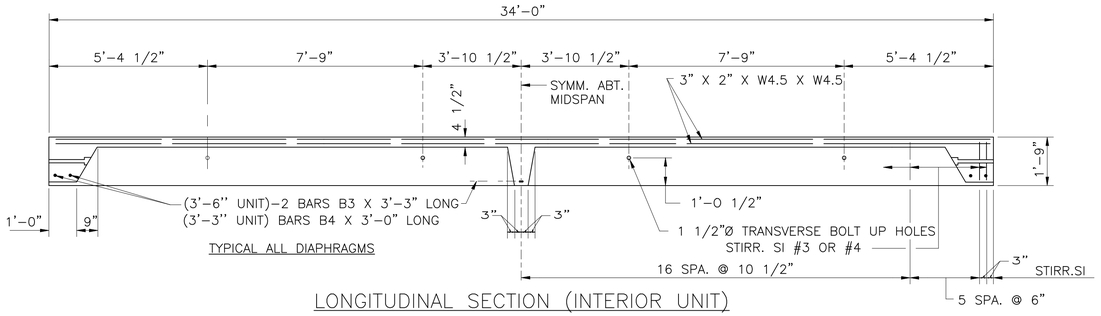



HALF PLAN

(SHOWING MESH REINFORCEMENT)

HALF PLAN

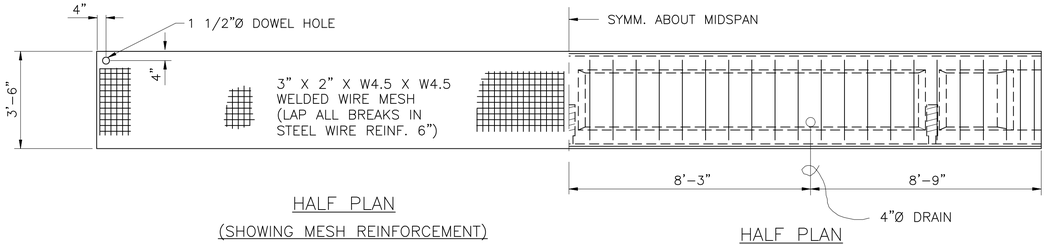
NOTE: CAST UNITS WITH 1/2" CAMBER AT MIDSPAN.




LONGITUDINAL SECTION (INTERIOR UNIT)

TYPE 1

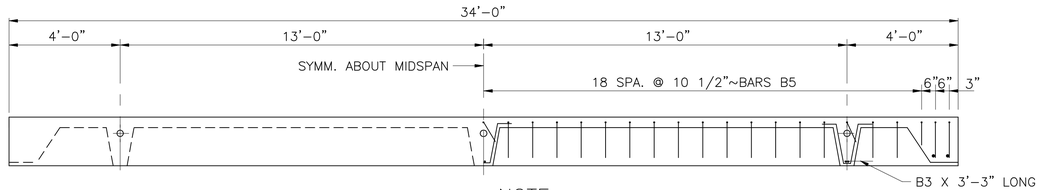
NOTE: ADJACENT PRECAST UNITS SHALL BE LONGITUDINALLY CONNECTED WITH 1" DIA. X 3'-0" A-307 BOLTS AND STANDARD NUTS AND WASHERS.




HALF PLAN

(SHOWING MESH REINFORCEMENT)

HALF PLAN

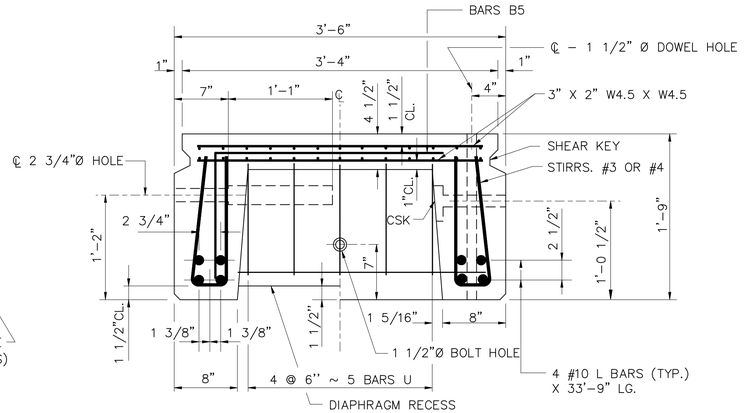



NOTE: CAST UNITS WITH 1/2" CAMBER AT MIDSPAN.

NOTE:
USE THESE DETAILS ONLY FOR EXT. UNITS WHEN PRECAST BARRIER RAIL IS REQUIRED

LONGITUDINAL SECTION (EXTERIOR UNIT)

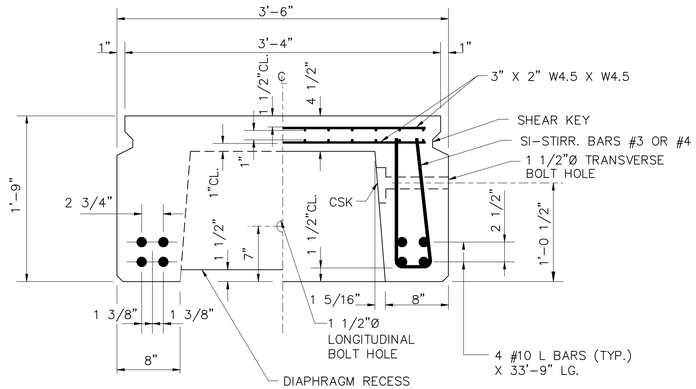
TYPE 2C




HALF END VIEW

HALF CROSS SECTION NEAR MID SPAN

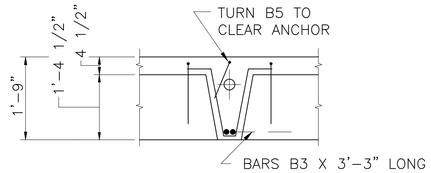
EXTERIOR SECTION TYPE 2C



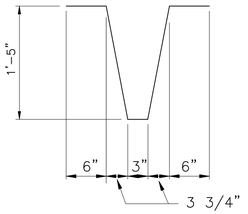

HALF END VIEW

HALF CROSS SECTION NEAR MID SPAN

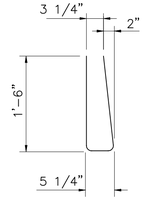
INTERIOR SECTION TYPE 1



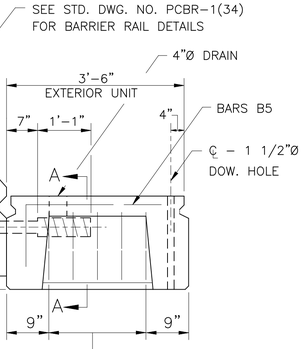

SECTION "A-A"




BARS U #3

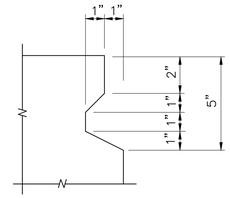



BEAM STIRRUPS BARS #3 OR #4-SI

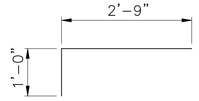



BARRIER RAIL CONNECTION DETAIL

NOTE: SCREW ANCHOR ASSEMBLY DESIGN LOAD = 50 KIPS TENSION. PRECAST MANUFACTURER CERTIFICATIONS VALIDATING THAT FURNISHED/PROPERLY INSTALLED SCREW ANCHOR ASSEMBLY IS CAPABLE OF DEVELOPING TWICE THE SPECIFIED DESIGN LOAD (100 KIPS) SHALL BE SUBMITTED TO THE PROJECT ENGINEER PRIOR TO BARRIER RAIL INSTALLATION.




SHEAR KEY DETAIL




BARS B5 #3

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DESIGN SECTION SUPERVISOR

ASSISTANT BRIDGE ENGINEER

BRIDGE ENGINEER

# ALABAMA DEPARTMENT OF TRANSPORTATION

THIS STANDARD TO BE USED WTH ANY OF THE FOLLOWING STANDARDS

REVISIONS

STANDARD

## PRECAST CONCRETE BRIDGE SLABS - 34' SPANS 24'-6" & 28'-0" ROADWAYS HS20-44 LOADING

| | |
|---|---|
| ESTIMATED QUANTITIES | STANDARD DWG. NO. |
| COMPUTED BY: | PC-34-2 |
| VERIFIED BY: | |
| CHECKED BY: / DRAWN BY: | DESIGNED BY: |
| DATE CHECKED: / DATE DRAWN: | SCALE: |

SHEET NO. 1 OF 2