

VALUE ENGINEERING PROPOSAL

PROPOSAL NO:	S-2	PAGE NO: 1 OF 2
DESCRIPTION	Eliminate Emergency Bulkheads and Use Existing Leland Bowman Emergency Bulkheads	

ORIGINAL DESIGN:

The current design is based on using emergency bulkheads to cut off flow through the lock in the event a sector gate is damaged. Slots are provided on both the north and south sides of each sector gate to support the emergency bulkheads.

PROPOSED DESIGN:

Utilize existing Leland Bowman emergency bulkheads versus fabricating new bulkheads for Bayou Sorrel Lock Replacement.

ADVANTAGES:

Reduces life cycle cost of the project.

DISADVANTAGES:

Required time to transport units from Leland Bowman facility.

JUSTIFICATION:

Since sector gates are provided at each end of the lock if one gate is damaged the other gate can be closed to terminate flow. It is extremely unlikely that both sector gates would be inoperable simultaneous. In the event emergency bulkheads were ever required those at Leland Bowman Lock could be used.

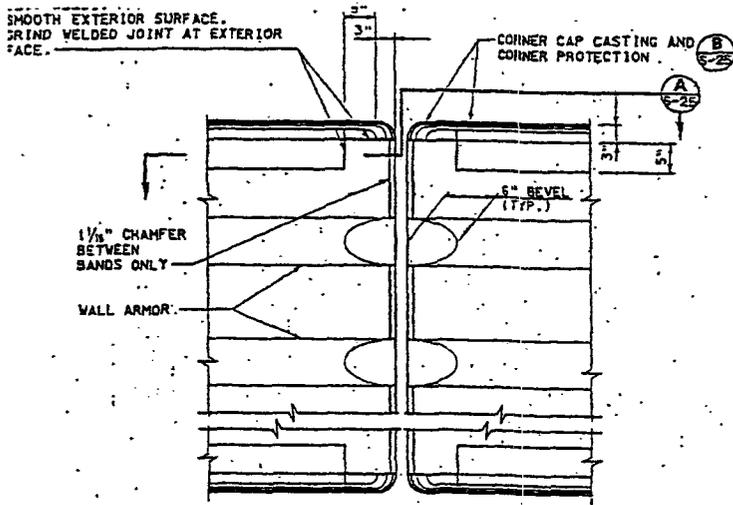
VALUE ENGINEERING PROPOSAL

PROPOSAL NO: S-3

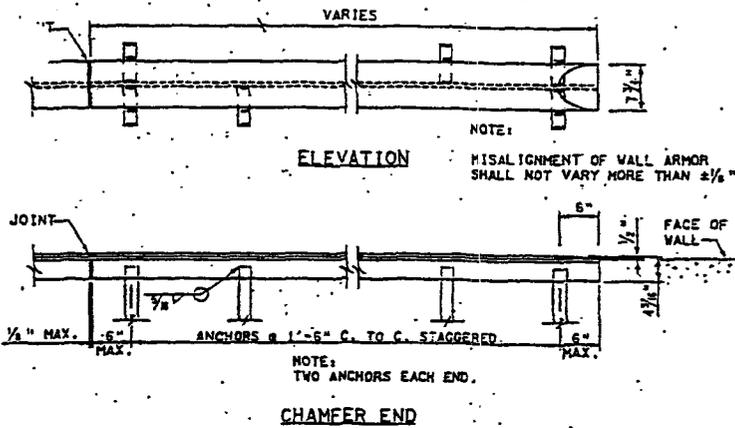
PAGE NO: 2 OF 5

DRAWING NO. 1

These details are according to INCA Drawings S-24/25

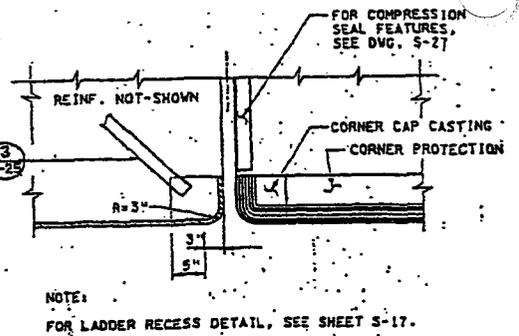


(WALL ELEVATION AT BEAM JOINT)
TYPICAL WALL ARMOR TERMINATION

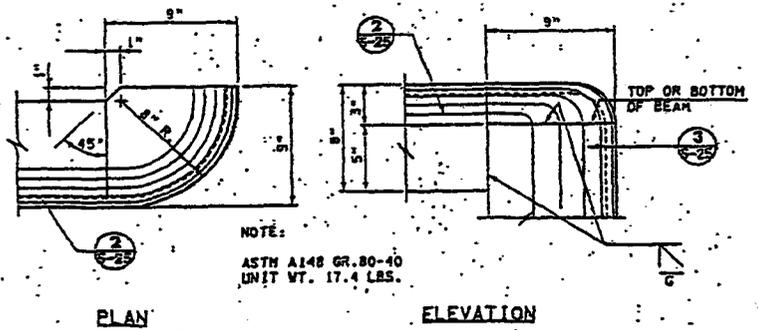
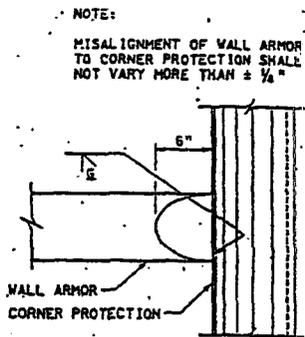


CHAMFER END

TYP. ANCHOR
SEE VERTICAL
CORNER PROTECTION



SECTION/PLAN (A)
S-25



PLAN

ELEVATION

NOT TO SCALE