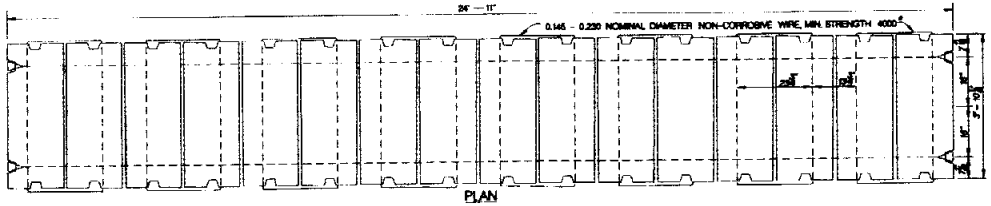
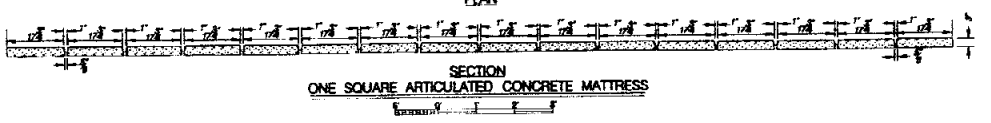
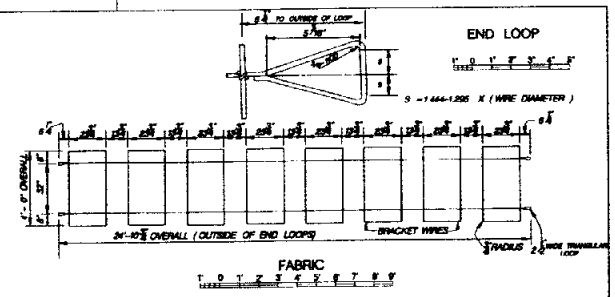
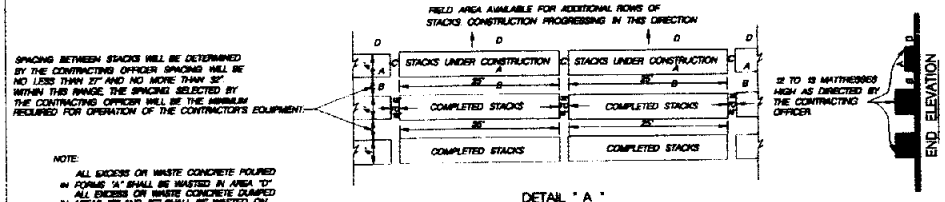




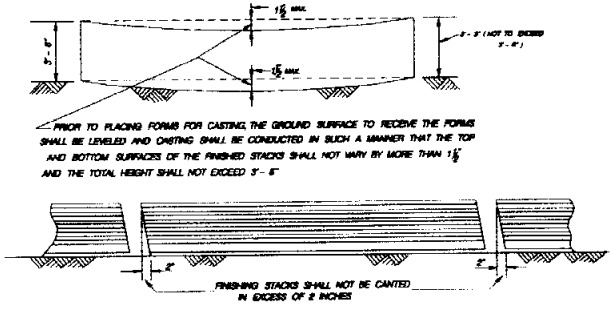
SECTION
ONE SQUARE ARTICULATED CONCRETE MATTRESS



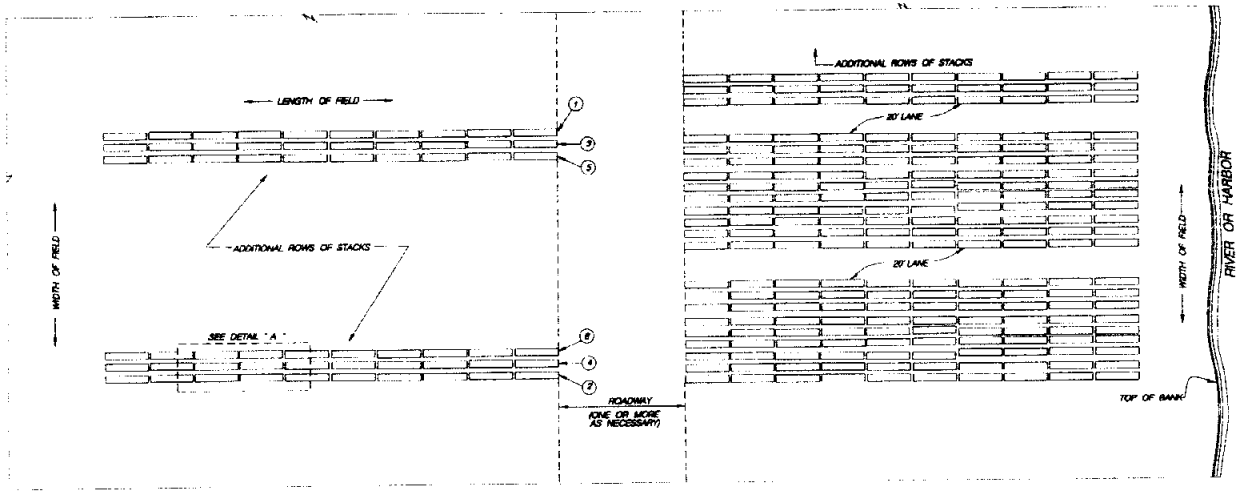


NOTE:
ALL EXCESS OR WASTE CONCRETE POURED IN FORMS "A" SHALL BE WASTED IN AREA "D". ALL EXCESS OR WASTE CONCRETE DUMPED IN AREAS "B" AND "C" SHALL BE WASTED ON FIELD SIDE OF STACKS (AREA "D"). THIS MUST BE ACCOMPLISHED BEFORE ANOTHER POUR IS MADE ON STACK "A" OR A NEW RUN IS MADE ADJACENT TO STACK "A".

DETAIL " A "
DISPOSAL OF WASTED MATERIALS AND REQUIERD LAYOUT FOR STACKS

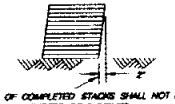


SIDE VIEW OF
COMPLETED STACKS
NO SCALE



PLAN
TYPICAL LAYOUT SHOWING
ALTERNATIVE METHODS FOR FIELD LAYOUT

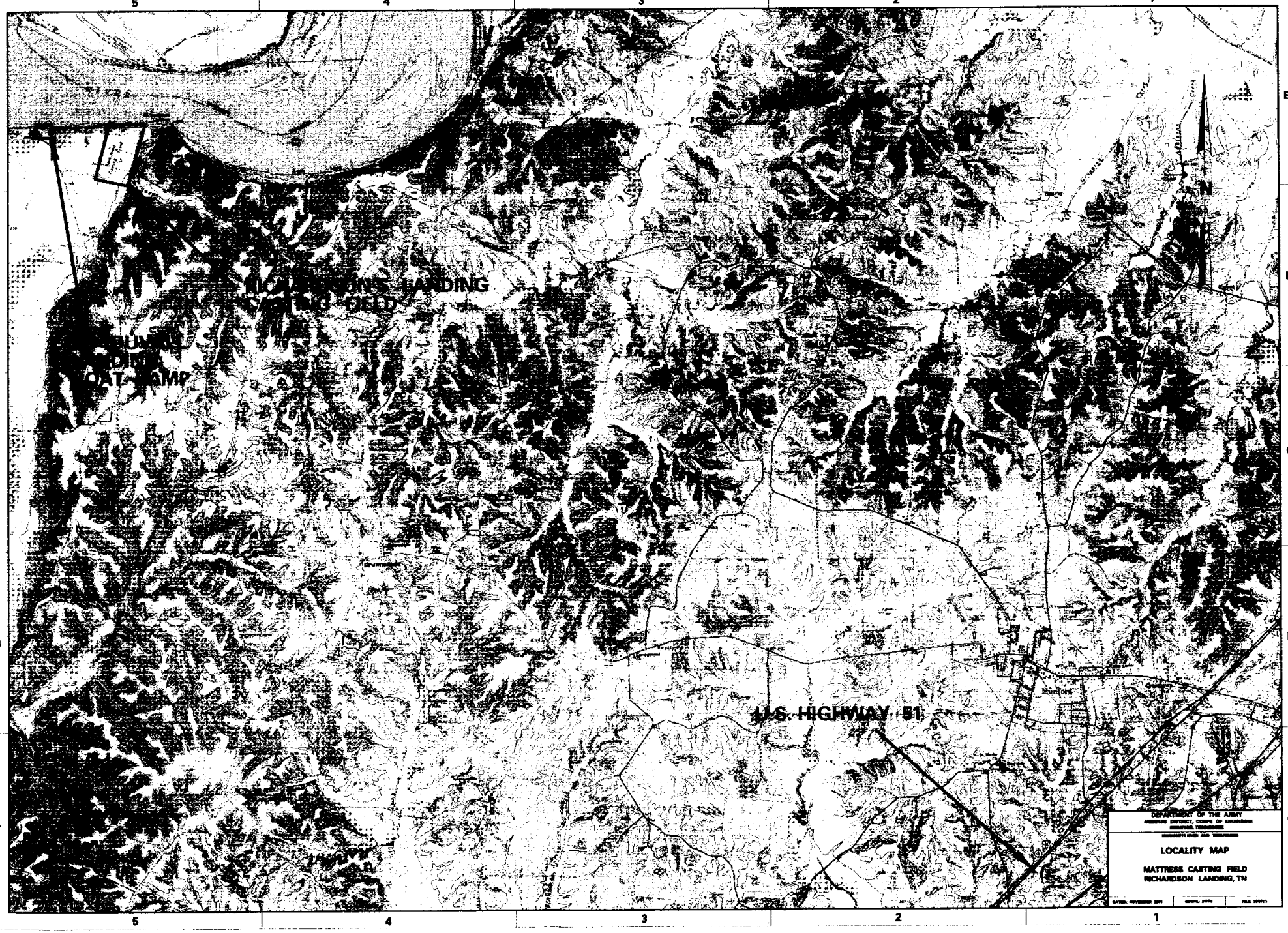
NOTE:
METHOD TO BE USED WILL BE DETERMINED BY THE CONTRACTING OFFICER
NUMBER OF LANES AND WIDTH OF LANES AS NECESSARY TO USE ALL FORMS AND FULLY UTILIZE FIELD.

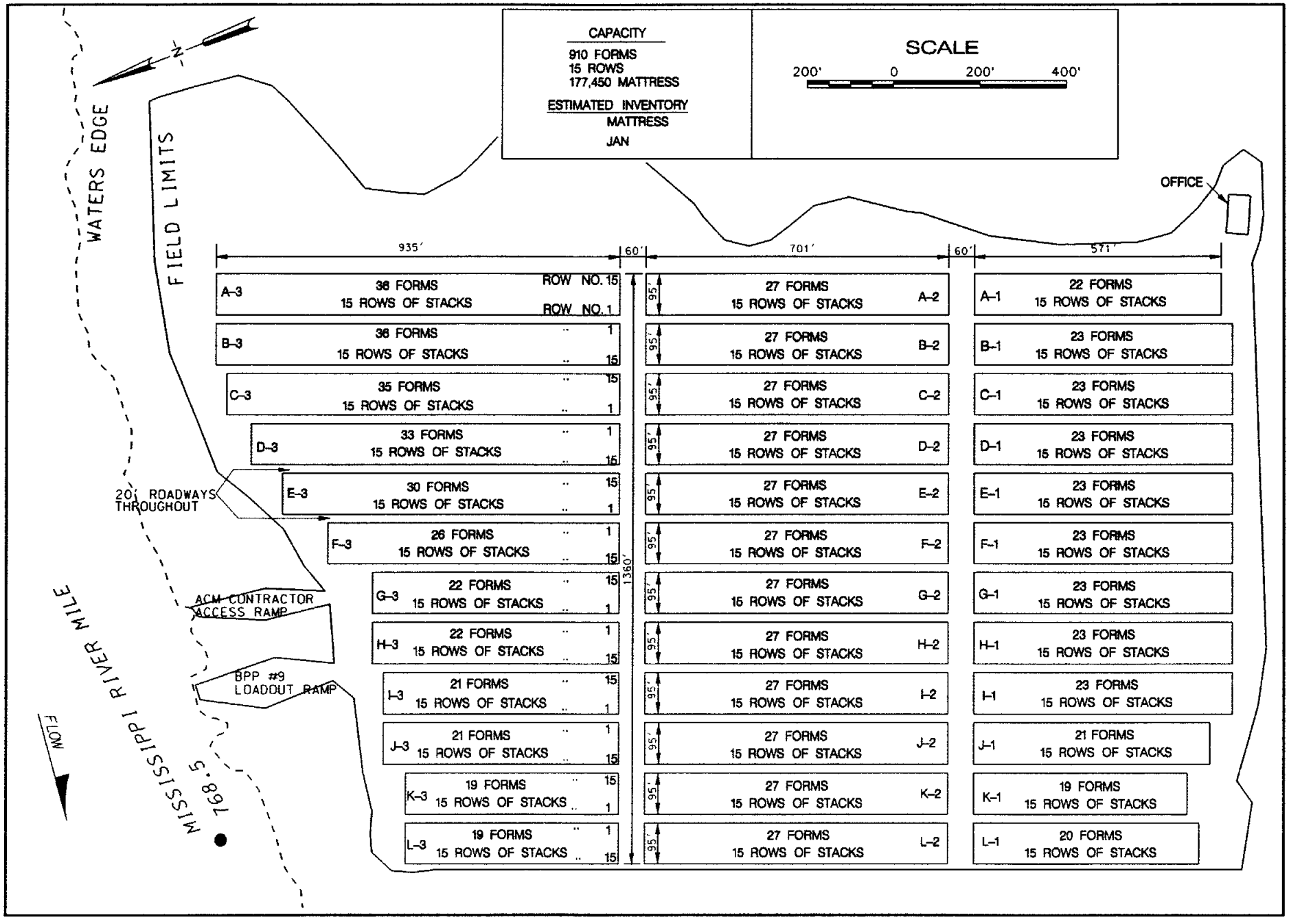


SIDES OF COMPLETED STACKS SHALL NOT BE CANTED IN EXCESS OF 2 INCHES
MAXIMUM CANT OF ONE SQUARE, 1/2 INCH

END VIEW OF
COMPLETED STACKS
NO SCALE

SYM	ZONE	REVISIONS	DATE APPROVED
DRAWING	DRAWING BY H.J.P. / CHECKED BY	DEPARTMENT OF THE ARMY MEMPHIS DISTRICT, CORPS OF ENGINEERS MEMPHIS, TENNESSEE	
DATE	OCTOBER 1989	ARTICULATED CONCRETE MATTRESS TYPICAL LAYOUT AND STANDARD DETAILS	
SUBMITTED	CHIEF, DESIGN BRANCH		
APPROVAL RECOMMENDED	CHIEF, ENGINEERING DIVISION		
APPROVED	COL, C.E. DISTRICT ENGINEER	SIZE F / CODE IDENT NO. 84C08-88 / SCALE: AS SHOWN	DRAWING NO. / SHEET 1 OF 1


RICHARDSON'S LANDING
CASTING FIELD
BOAT RAMP
U.S. HIGHWAY 51
Munford
N
DEPARTMENT OF THE ARMY
LOCALITY MAP
MATTRESS CASTING FIELD
RICHARDSON LANDING, TN



DRAWING

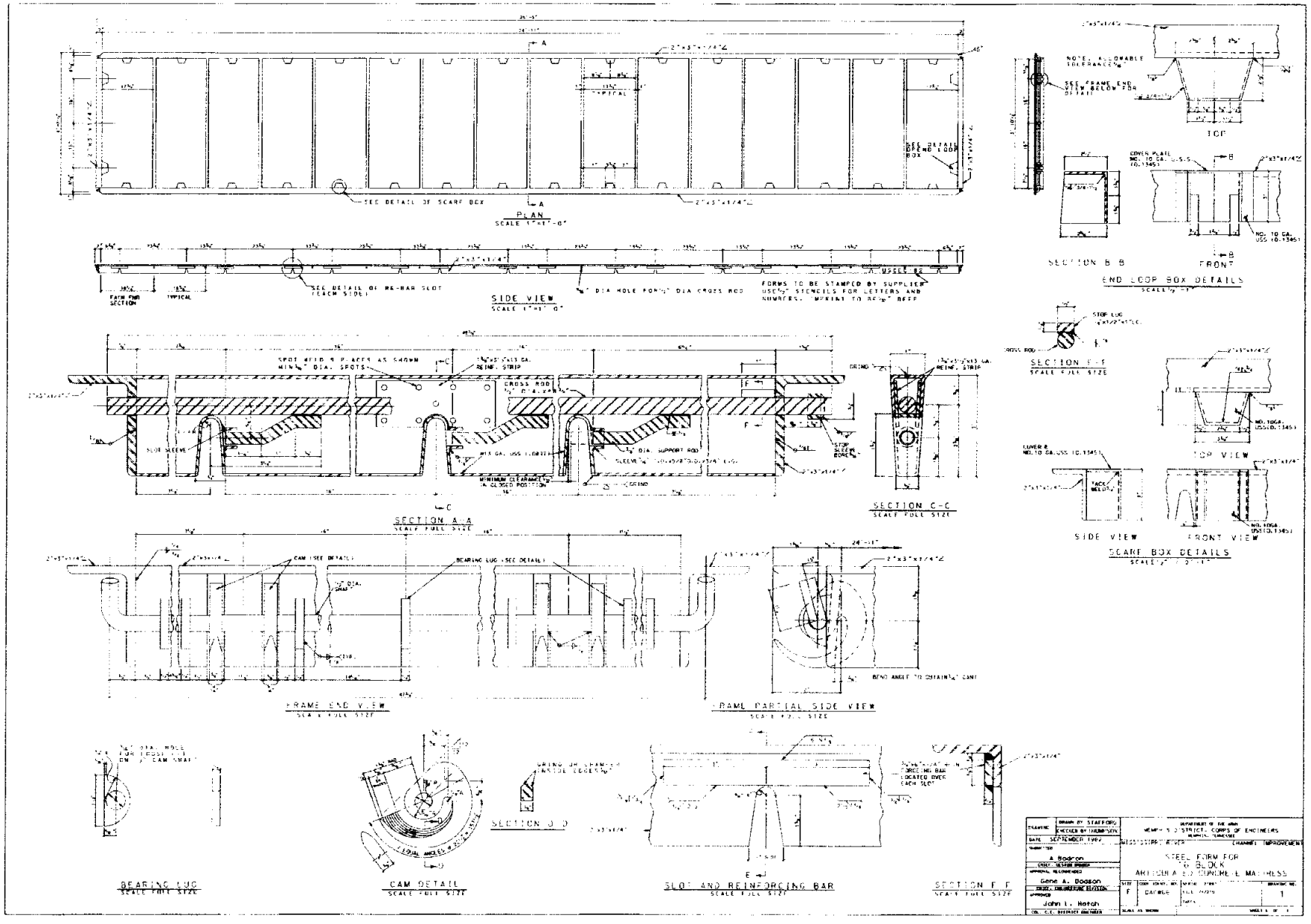
1 OF 1

RICHARDSON LANDING, TN
CASTING FIELD
FORM LAYOUT

U. S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
MEMPHIS, TENNESSEE

Designed by: LWT	Drawn by: LWT	Plotted by: LWT	Pen Table: NONE
Checked by: WM	Checked by: WM	Plot date: 04 SEP 02	Color table: BW.CTB
Submitted by: Chief, Civil Design Branch		Project ID: 73/878.5	Raster file name: / Serial No.: 19250
Design file name: RICHLANDCAST.DGN		Plot scale:	

US Army Corps of Engineers


PLAN
SCALE 1"=1'-0"
SEE DETAIL OF SCARF BOX
SEE DETAIL OF END LOOP BOX
SIDE VIEW
SCALE 1"=1'-0"
SEE DETAIL OF RE-BAR SLOT (EACH SIDE)
FORMS TO BE STAMPED BY SUPPLIER USE 1/2" STENCILS FOR LETTERS AND NUMBERS. IMPRINT TO READ BEEP
SECTION A-A
SCALE FULL SIZE
SPOT WELD 9 PLACES AS SHOWN MIN 1/2" DIA. SPOTS
REINF. STRIP
CROSS ROD
SLOT SLEEVE
STOP SLEEVE BORE
MINIMUM CLEARANCE IN CLOSED POSITION
SECTION C-C
SCALE FULL SIZE
GRIND
SECTION E-E
SCALE FULL SIZE
STOP LUG
CROSS ROD
SECTION B-B
END LOOP BOX DETAILS
SCALE 1/2"=1'-0"
NOTE: ALLOWABLE TOLERANCE 1/8"
SEE FRAME END VIEW BELOW FOR DETAIL
COVER PLATE NO. 10 GA. U.S.S. (0.1345)
NO. 10 GA. USS (0.1345)
TOP
FRONT
TOP VIEW
SIDE VIEW
FRONT VIEW
SCARF BOX DETAILS
SCALE 1/2"=1'-0"
TACK WELD
FRAME END VIEW
SCALE FULL SIZE
CAM (SEE DETAIL)
BEARING LUG (SEE DETAIL)
FRAME PARTIAL SIDE VIEW
SCALE FULL SIZE
BEND ANGLE TO OBTAIN 1/4" CANT
BEARING LUG
SCALE FULL SIZE
CAM DETAIL
SCALE FULL SIZE
SECTION D-D
SLOT AND REINFORCING BAR
SCALE FULL SIZE
SECTION F-F
SCALE FULL SIZE
DEPARTMENT OF THE ARMY
MEMPHIS DISTRICT, CORPS OF ENGINEERS
MEMPHIS, TENNESSEE
MISSISSIPPI RIVER
CHANNEL IMPROVEMENT
STEEL FORM FOR "G" BLOCK
ARTICULATED CONCRETE MATTRESS
DRAWN BY STAFFORD
CHECKED BY THOMPSON
SEPTEMBER 1992
A. Bodron
Gene A. Dodson
John L. Horsch
F
CAFWG
1