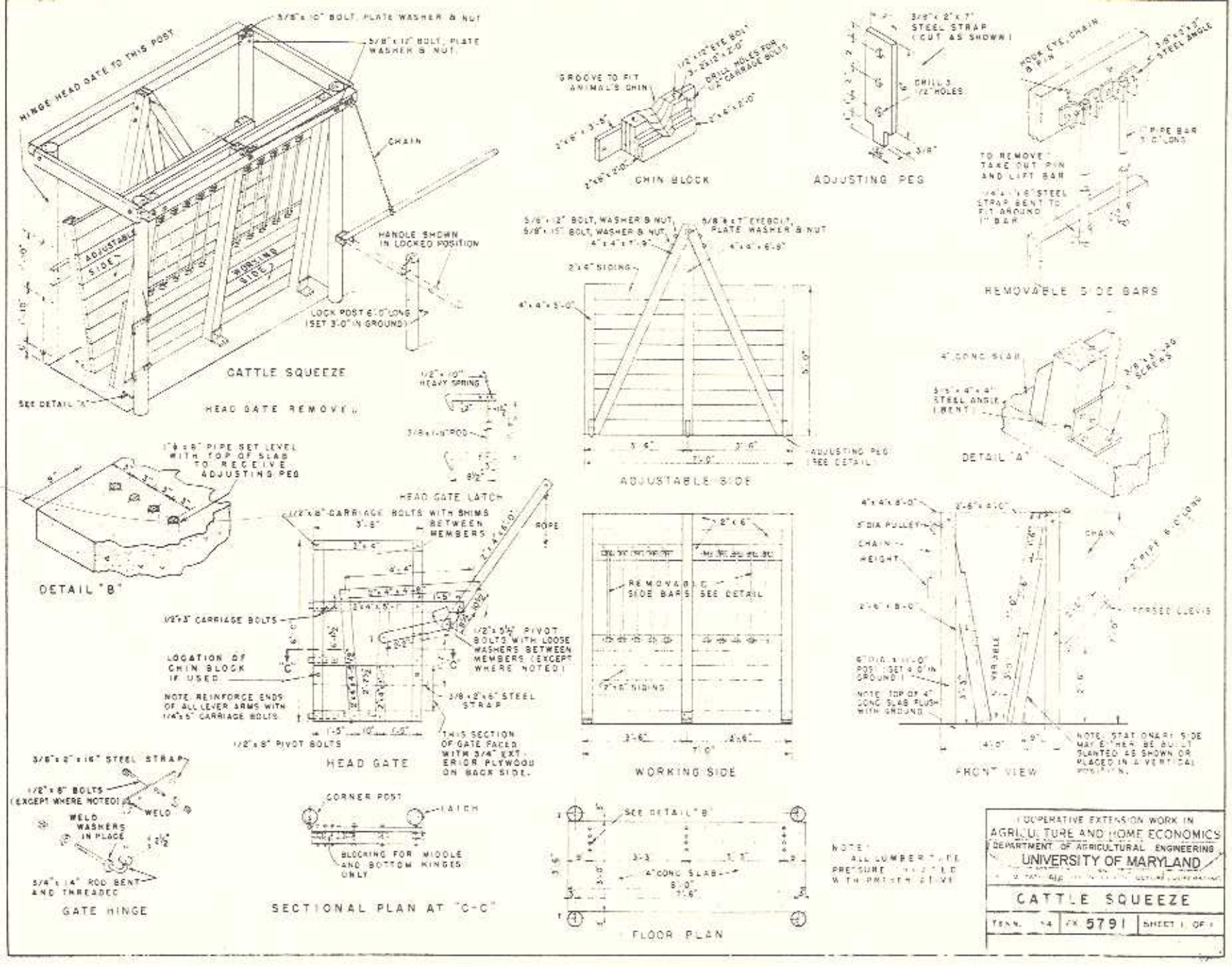
HINGE HEAD GATE TO THIS POST
5/8" x 10" BOLT, PLATE WASHER & NUT
5/8" x 12" BOLT, PLATE WASHER & NUT
CHAIN
HANDLE SHOWN IN LOCKED POSITION
ADJUSTABLE SIDE
WORKING SIDE
LOCK POST 6'-0" LONG (SET 3'-0" IN GROUND)
CATTLE SQUEEZE
SEE DETAIL "A"
HEAD GATE REMOVED
GROOVE TO FIT ANIMAL'S CHIN
DRILL HOLES FOR 1/4" CARRIAGE BOLTS
CHIN BLOCK
3/8" x 2" x 7" STEEL STRAP (CUT AS SHOWN)
DRILL 3 1/2" HOLES
ADJUSTING PEG
HOOK EYE, CHAIN & PIN
3/8" x 3" x 3" STEEL ANGLE
PIPE BAR 7'-0" LONG
TO REMOVE TAKE OUT PIN AND LIFT BAR
1/4" x 1 1/8" STEEL STRAP BENT TO FIT AROUND 1" BAR
REMOVABLE SIDE BARS
5/8" x 12" BOLT, WASHER & NUT
5/8" x 15" BOLT, WASHER & NUT
5/8" x 7" EYEBOLT, PLATE WASHER & NUT
2" x 4" SIDING
ADJUSTABLE SIDE
ADJUSTING PEG (SEE DETAIL)
4" CONC SLAB
3/8" x 3" x 20" SCREWS
3" x 4" x 4" STEEL ANGLE (BENT)
DETAIL "A"
1/2" x 10" HEAVY SPRING
3/8" x 1'-0" ROD
HEAD GATE LATCH
1" x 8" PIPE SET LEVEL WITH TOP OF SLAB TO RECEIVE ADJUSTING PEG
DETAIL "B"
1/2" x 8" CARRIAGE BOLTS WITH SHIMS BETWEEN MEMBERS
ROPE
1/2" x 3" CARRIAGE BOLTS
1/2" x 5 1/4" PIVOT BOLTS WITH LOOSE WASHERS BETWEEN MEMBERS (EXCEPT WHERE NOTED)
LOCATION OF CHIN BLOCK IF USED
NOTE: REINFORCE ENDS OF ALL LEVER ARMS WITH 1/4" x 5" CARRIAGE BOLTS
3/8" x 2" x 5" STEEL STRAP
1/2" x 8" PIVOT BOLTS
THIS SECTION OF GATE FACED WITH 3/4" EXTERIOR PLYWOOD ON BACK SIDE.
HEAD GATE
2" x 6"
REMOVABLE SIDE BARS SEE DETAIL
2" x 6" SIDING
WORKING SIDE
5" DIA PULLEY
CHAIN
WEIGHT
FORGED CLEVIS
6" DIA x 11'-0" POST (SET 4'-0" IN GROUND)
NOTE: TOP OF 4" CONC SLAB FLUSH WITH GROUND
NOTE: STATIONARY SIDE MAY BE MADE BUILT SLANTED AS SHOWN OR PLACED IN A VERTICAL POSITION.
FRONT VIEW
3/8" x 2" x 16" STEEL STRAP
1/2" x 8" BOLTS (EXCEPT WHERE NOTED)
WELD
WELD WASHERS IN PLACE
3/4" x 14" ROD BENT AND THREADED
GATE HINGE
CORNER POST
LATCH
BLOCKING FOR MIDDLE AND BOTTOM HINGES ONLY
SECTIONAL PLAN AT "C-C"
SEE DETAIL "B"
4" CONC SLAB
FLOOR PLAN
NOTE: ALL LUMBER TREATED WITH PRESSURE PRESERVATIVE
COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
DEPARTMENT OF AGRICULTURAL ENGINEERING
UNIVERSITY OF MARYLAND
CATTLE SQUEEZE
TEAM. 14
FK 5791
SHEET 1 OF 1