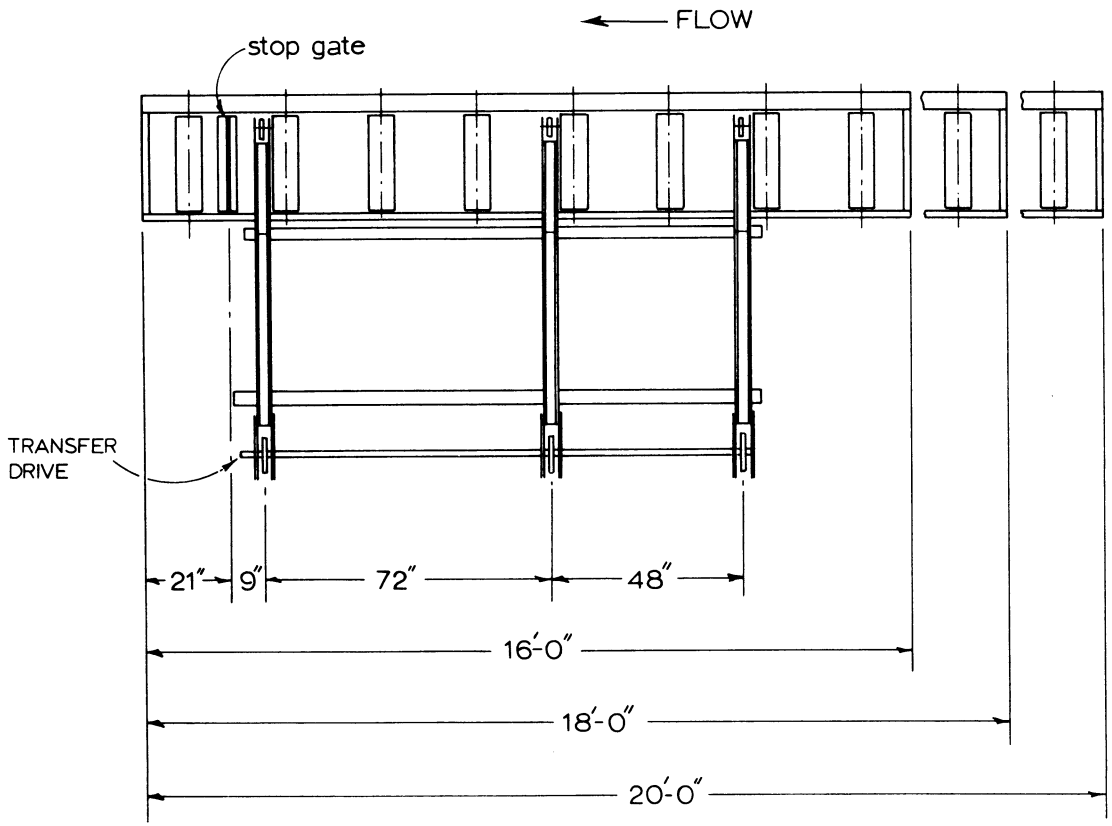

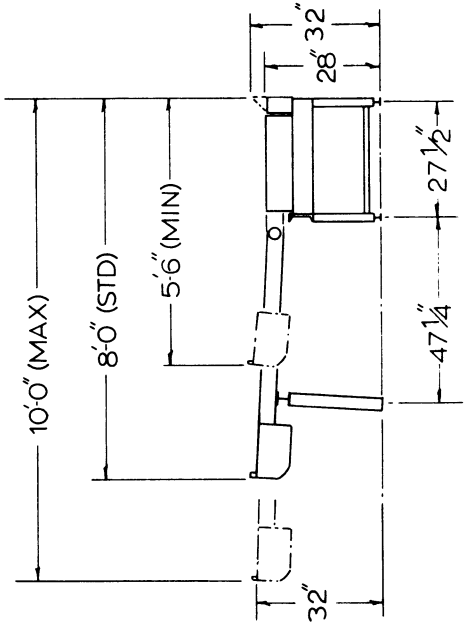

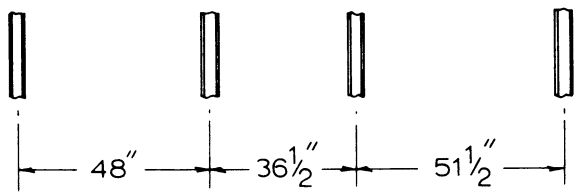

4 chain spacing

____ LENGTH OF ROLL CASE
____ TRANSFER 3 or 4 chain
____ DISTANCE SAWLINE TO EDGER
STOPS:
____ - LIVE - optional
____ - FIXED
____ - NONE
____ DEFLECTOR - optional
____ ELECTRIC LIVE ROLL DRIVE - optional
____ CONNECT TO OFFBEARER
CONTROL:
____ - ON OFF SWITCH
____ - SCR optional
____ RIGHT or LEFT HAND MILL (RH shown)

MELLOTT MFG. CO., INC.

SCALE ¼" = 1'-0"	APPROVED BY	DRAWN BY JLP
DATE		

Jump Skid Transfer Installation

DRAWING NUMBER

Rev. 1988

JUMP SKID TRANSFER INSTALLATION INSTRUCTIONS

INSTALLATION

Position roll case section in line with adjacent rolls or next to husk so that the stop gate will index material going to the edger at the planned index line.

Foot pads can be adjusted for correct roll height. Roll case can be lagged to floor when all adjustments have been made.

Remove shipping ties from control wiring and hoses. Route control cable with foot switch to sawyers or operators station. Position footswitch in convenient location for operator. If unit is equipped with an optional pushbutton enclosure, rather than standard foot switch, mount the enclosure in a convenient location for the operator. Route air lines for air stops to approximate location (Do not remove any tags until proper connections are made.)

Set transfer in place and bolt transfer skids between splice plates of roll case. Install 81X Chains on skids, note that chains return thru skid in roll case but return under skid of transfer.

Qualified electrician should make electrical connections. Electric motors on roll drive (optional) and transfer drive must be wired. (Mellott Mfg. Co., Inc. does not provide starters for these motors, local electrician should make proper connections.)

Wiring to relay enclosure must be connected to 120 volt AC source and fused to 10 amps.

Connect air inlet of F-R-L to air supply. Air pressure should be set at 100 PSI with the regulator. Fill lubricator bowl with 10 Wt. non-detergent oil. Set lubrication so that one bowl of oil is dispensed within a two week interval.

LIVE STOPS - INSTALLATION (OPTIONAL)

Install air cylinder for live stops. Connect hoses from foot operated air valve to live stop cylinder and to filter-regulator-lubricator under rolls. (Hoses are tagged at factory as to proper cylinder port connection.) Foot valve should be secured to floor in a position that edger operator can control live stops.

DRIVE MAINTENANCE

Roller chains from drive to headshaft should be lubricated daily. For gearbox maintenance see manufacturor instructions.

CONTROL ADJUSTMENT: JUMP SKID TRANSFER

All valves and timing controls are operated and pre-set at factory. Local conditions, sawing space and other factors may necessitate minor control adjustments. Unit should be operated for a shift so that personnel can become familiar with its characteristics before any adjustments are made.

The timing relay, located in the enclosure, controls the time the jump chains remain in the "up" position. The ideal operation is for the jump chains to move into the "up" position and remain there until the board has cleared the roll case on the transfer chains and then return to the "down" position. Increasing the time of the timing relay will cause the jump chains to remain in the "up" position longer and reducing the time will cause the jump chains to remain "up" for a shorter period of time. Time is set by turning the knob on the timing relay.

The speed at which the jump chains move up and down is controlled by exhaust restrictors located in the solenoid air valve connected to the air cylinders of the jump chains. The restrictors control the exhaust air for each end of the air cylinders. Turning the restrictor in (by a screw driver) will slow the speed, while backing the restrictor out will increase the speed. The speed should not be so great that the jump chains hit the end of their cycle with great force.

OPERATION

> CAUTION: NEVER PERMIT PERSONNEL TO STAND NEAR UNIT WHILE IN OPERATION. NEVER PERMIT PERSONNEL TO WALK ON ROLL CASE OR TO REACH ACROSS ROLLS OR TRANSFER WITHOUT SHUTTING OFF POWER TO DRIVE & CONTROL.

Start electric motors for roll case and transfer drives. Be sure air system is operational.

Control of unit is by foot switch. Depressing foot switch pedal will cause the stop gate to raise. When board or cant moves over roll case and contacts butterfly, jump chains will raise and chains will move board or cant from roll case onto transfer. Jump chains will return to "down" position. Foot switch is in a "latched" down position and every board or cant that the sawyer cuts will move to the transfer chains. To disengage control, use toe to push foot switch latch and foot switch will return to up position causing stop gate to lower. Any board or cant now cut will move over rolls onto adjacent rolls.

If the unit is equipped with an optional pushbutton station, the button marked "edger" must be pushed for each board or cant to be sent to the edger.

Operation of live stops is accomplished by the edger man. Live stops are in the "up" position which will stop material on transfer chains from moving over sprockets and onto edger table. Depress pedal of foot valve to lower live stop arms to allow board to move over sprockets to edger table. Release pedal and live stop arms will move to "up" position.