3 Chain

Rooftop Chain Transfer
infeed flow

cylinder frame

Left Hand

pipe leg
location (typ)

Flow

63 3/4"

51 3/4"

Drive

20'

Drive

51 3/4"

Flow

63 3/4"

cylinder frame

Right Hand

Rooftop Chain Transfer
infeed flow

4 Chain

36"

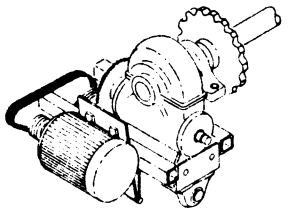
36"

48"

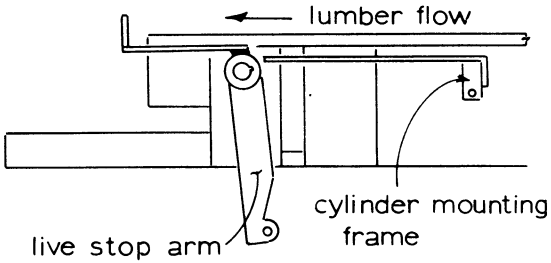
48"

36"

36"



Electric Drive
Installation



LIVE STOPS
(right hand shown)

MELLOTT MFG. CO., INC.		
SCALE: 1/4" = 1'-0"	APPROVED BY	DRAWN BY VLP
DATE: 11/15/84		
GREEN CHAIN & LUMBER TRANSFER		
INSTALLATION		DRAWING NUMBER

LUMBER TRANSFER & GREEN CHAIN INSTALLATION

SILLS

Locate the sill for drive end of transfer. This sill is 12" longer than other sills. Slide pipe legs into tubes on sill and place sill in position. Place shorter sill (with pipe legs) in position at center and tail end of transfer. If the transfer is spliced (i.e. more than one piece per each skid) use the sill with the four bolt holes for each skid at the splice position. Note: Pipe legs are to be welded to the sills on the site. This allows for adjustments in height. Sills must now be blocked to correct height. (Legs may be welded at this time or after skids are installed.)

SKIDS

Skids may now be placed in the sills. Note the position of the skid with the cylinder frame if transfer is equipped with live stops. Other skids are interchangeable. If transfer has flooring, outside left and right hand skids will have angles to attach flooring on one side only. Center skid or skids will have angles on both sides.

SHAFT, ELECTRIC MOTOR DRIVE

Position shaft with the drive in correct location (see diagram) on the bearing supports at the drive end of transfer. Do not bolt at this time. Mount 10.6" sheave and bushing to shaft under speed reducer. Mount 3.35" sheave and bushing to electric motor. Place 3/3V 530 band belt over tube of speed reducer frame and slide shaft into position with speed reducer frame tubes in sill (see diagram). Bolt bearing to skids with 5/8" x 5" bolts, lock washers, nuts SAE flat washers and jam nuts. Mount motor to motor plate. Place belt on sheaves and adjust belt tension with bolts through motor plate.

LIVE STOPS (optional)

Bolt flange bearing to side of skids (opposite of drive side). Insert 1-7/16" shaft bearings, be sure to place a live stop arm on shaft next to each bearing. The live stop arm with cylinder lug is positioned next to the skid with the cylinder mounting frame. Install air cylinder with base clevis fastened to the cylinder frame lug on skid. Fasten rod end clevis to live stop arm. Make certain that live stop arm is in line with cylinder so that no binding or twisting occurs in operation. Key and tighten set screws on stop arms and bearings. Install filter-regulator-lubricator plate on angle directly behind cylinder mounting frame.

CHAIN

Install chain so that return is through the skid. Cut chain as necessary to make equal strands for each skid. After chain is installed, adjust tail sprockets for correct tension.

FLOORING (optional)

Mount flooring between skids. Angles welded to sides of skids allow flooring to be adjusted toward head or tail. When position of flooring is determined, clamp flooring to angles with lugs on bottom of flooring.

SPEED REDUCER

Fill speed reducer to oil level plug with SAE 90-140 gear oil before operation of transfer.

ELECTRICAL CONNECTIONS

For electric motor driven transfers - starters are not provided by Mellott Mfg. Co. Local electrician should make proper connections.

OPERATION

CAUTION: Transfers are moving machinery. Personel should remain clear of transfers at all times. Power to transfer must be locked out before any maintenance is performed on the transfer.

MAINTENANCE

Gear box - check oil level regularly.
Bearings on headshaft - lubricate twice yearly
Take-up sprockets at infeed end - lubricate weekly.
Transfer chain - wears longer and runs easier if chain guides are kept oiled.
Chain tension - adjust take-up to remove slack, do not overtighten.