PALLET DISPENSER
APPROXIMATELY 60" X 60" X 108" TALL TO HANDLE THE FOLLOWING:
PALLETS: GMA AND CHEP (CUSTOM PALLET APPLICATION AVAILIBLE) QUANITY 15-20

PALLET DISPENSER WILL CONSIST OF:
(1) ROLLER OR CHAIN CONVEYOR MOUNTED TO A (3) POSITION LIFT MECHANISM FOR MINIMUM OF 27” TOP OF CONVEYOR LOAD SIDE AND 15" TOP OF CONVEYOR OUTFEED SIDE
SPEEDS: 10-90 FPM AVAILIBLE
MOTOR: 1/2 HP 1 PHASE OR 3 PHASE

CONTROLS AND PLC LOGIC BY NLE TO INCLUDE:
PLC ALLEN BRADLEY MICRO SERIES WITH PUSH BUTTON OPERATOR CONTROLS. PALLET DISPENSER WILL OPERATE IN AUTO MODE WITH SIGNAL FROM CUSTOMERS EQUIPMENT AND HAVE FULL MANUAL CONTROL AS WELL.

NEMA 12 JUNCTION BOX
NON FUSED DISCONNECT
1/2 HP NON-REVERSING MOTOR STARTER
TERMINAL BLOCKS
WIRE WAY
E-STOP
(2) THRU BEAM SENSORS
(4) CYLINDER SENSORS
(3) PROXIMITY SENSORS
DOUBLE ACTING SOLENOID VALVES
ALL REQUIRED FITTINGS, FLOW CONTROLS AND TUBING
STACK LIGHT
- RED = FAULT / EMERGENCY STOP
- YELLOW = PALLETS LOW OR EMPTY
- GREEN = RUNNING AUTO MODE

PALLET DISPENSER SEQUENCE: PALLETS LOADED BY FORKLIFT

1) CONVEYOR TO START AT HIGH POSITION (VERIFIED BY PROXIMITY SWITCH)
2) CONVEYOR DROPS TO MIDDLE POSITION (VERIFIED BY PROXIMITY SWITCH)
3) CLAMPS ENGAGE TO HOLD PALLET #2 (VERIFIED WITH SENSOR)
4) CONVEYOR DROPS TO LOW POSITION (VERIFIED BY PROXIMITY SWITCH)
5) CONVEYOR RUNS OUT PALLET #1 (PHOTO EYE CLEAR VERIFICATION)
6) CONVEYOR GOES TO HIGH POSITION (VERIFIED BY PROXIMITY SWITCH)
7) CLAMPS DISENGAGE (VERIFIED WITH SENSOR)
8) CHECK FOR EMPTY PALLET DISPENSER (VERIFIED WITH PHOTO EYE)
   A) IF EMPTY GO TO #1
   B) IF PALLETS PRESENT GO TO #2

THE PALLET DISPENSER AUTOMATICALLY UNLOADS A SINGLE PALLET FROM A MAGAZINE AND DISCHARGES PALLET FOR PRODUCT PALLETIZING. THIS PALLET DISPENSER CAN BE MANUFACTURED TO HANDLE A WIDE VARIETY OF PALLET STYLES. EXTENDED MAGAZINES ARE AVAILABLE TO INCREASE STORAGE CAPACITY. SEQUENCE OF OPERATION CAN BE REVERSED TO UTILIZE TO MAKE A PALLET UPSTACKER. STACKED PALLETS ARE REMOVED FROM THE UPSTACKER WITH A FORK TRUCK OR CONVEYOR.