NOTE: THIS DRAWING IS OF A GENERIC CONVEYOR SYSTEM TO HIGHLIGHT THE BASIC DESIGN FEATURES OF REMCON ROLLER CHAIN CONVEYORS. PLEASE CONTACT REMCON TO DISCUSS THE DESIRED CONVEYOR SPECIFICATIONS AND CONFIGURATION.

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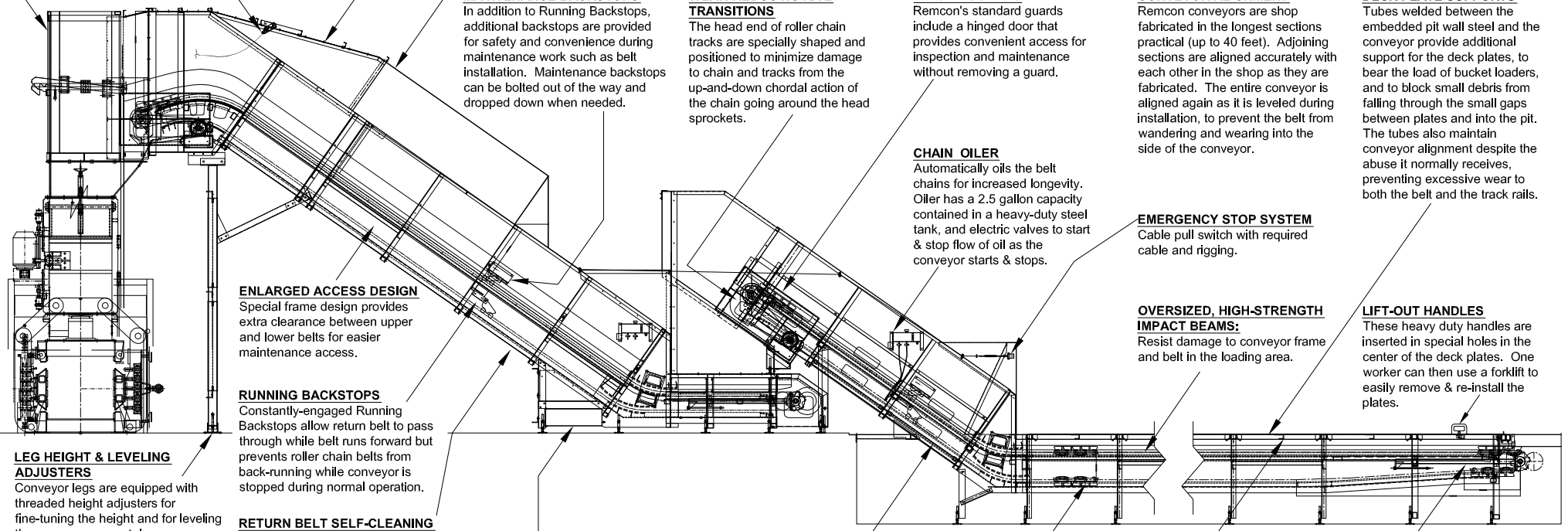
CUSTOM-DESIGNED BALER HOODS
Baler manufacturers are always consulted for their recommended head sprocket location, special hood recommendations, electrical integration, etc.

SAFETY HARNESS ATTACHMENT
Attachment point for safety harness is recessed into the top of the hood, pivots down for attachment, and pivots up automatically when large material (such as corrugated) hits it.

LOW CEILING DEFLECTOR
Special hoods prevent damage from material jamming between the conveyor and low roof trusses, sprinkler pipes, etc., Material, especially larger pieces of corrugated, are gradually deflected down and into the baler infeed chamber without jamming.

DUST-CONTROL HOOD EXTENSION
Contains much of the dust and light debris that blows up from the baler infeed. For dustier materials, longer extensions, flaps, and completely sealed hoods are also available.



MAINTENANCE BACKSTOPS
In addition to Running Backstops, additional backstops are provided for safety and convenience during maintenance work such as belt installation. Maintenance backstops can be bolted out of the way and dropped down when needed.

WEAR-REDUCING RAIL TRANSITIONS
The head end of roller chain tracks are specially shaped and positioned to minimize damage to chain and tracks from the up-and-down chordal action of the chain going around the head sprockets.

HINGED GUARDS
Remcon's standard guards include a hinged door that provides convenient access for inspection and maintenance without removing a guard.

CONVEYOR ALIGNMENT
Remcon conveyors are shop fabricated in the longest sections practical (up to 40 feet). Adjoining sections are aligned accurately with each other in the shop as they are fabricated. The entire conveyor is aligned again as it is leveled during installation, to prevent the belt from wandering and wearing into the side of the conveyor.

DECK PLATE SUPPORTS
Tubes welded between the embedded pit wall steel and the conveyor provide additional support for the deck plates, to bear the load of bucket loaders, and to block small debris from falling through the small gaps between plates and into the pit. The tubes also maintain conveyor alignment despite the abuse it normally receives, preventing excessive wear to both the belt and the track rails.

CHAIN OILER
Automatically oils the belt chains for increased longevity. Oiler has a 2.5 gallon capacity contained in a heavy-duty steel tank, and electric valves to start & stop flow of oil as the conveyor starts & stops.

EMERGENCY STOP SYSTEM
Cable pull switch with required cable and rigging.

ENLARGED ACCESS DESIGN
Special frame design provides extra clearance between upper and lower belts for easier maintenance access.

OVERSIZED, HIGH-STRENGTH IMPACT BEAMS:
Resist damage to conveyor frame and belt in the loading area.

LIFT-OUT HANDLES
These heavy duty handles are inserted in special holes in the center of the deck plates. One worker can then use a forklift to easily remove & re-install the plates.

RUNNING BACKSTOPS
Constantly-engaged Running Backstops allow return belt to pass through while belt runs forward but prevents roller chain belts from back-running while conveyor is stopped during normal operation.

LEG HEIGHT & LEVELING ADJUSTERS
Conveyor legs are equipped with threaded height adjusters for fine-tuning the height and for leveling the conveyor accurately.

RETURN BELT SELF-CLEANING CHUTE/GUARDING
The entire underside of the conveyor, from baler infeed to floor, is guarded for safety and cleanliness. Debris that clings to the belt falls into the chute (rather than the floor), then slides down the chute (which is free of catch points) to a guarded collection area at floor level (and outside of the pit, if there is one). Chute panels are easily removable for conveyor maintenance.

DEBRIS CLEAN-OUT DOOR
Debris that slides down return belt chutes is collected in this guarded area. Door provides convenient cleaning access.

STRUCTURAL STEEL FRAME
Heavy-duty open frame constructed from structural shapes and formed plate at elbows, braced and reinforced for rigidity in all planes, and completely shop fitted and welded.

ROLLER CHAIN RAILS
30 lb. ASCE rail designed to provide tracking for the flanged rollers. This is a replaceable item and is not used as part of the frame.

DECK PLATES
Lift-out style deck plates are made from 1/2" thick steel, with 3 x 3 x 3/8" angle iron stiffeners welded to the underside. Deck plates are typically 5 feet long.
Deck plate stops are also welded to the underside to prevent the plates from being moved around by skid-steer machines. The stops also act as guides to allow removal and re-installation of the plates by one person on a forklift, using the ***Lift-Out Handles*** (see above).

REMCON BELT TAKE-UPS
Remcon's cantilevered telescoping tube style take-ups provide generous length of take-up travel, ease of adjustment (done with only one wrench and without loosening and re-tightenng the bearing attachment bolts) and versatility (they will accommodate almost any brand of pillow-block style bearings). Threaded components are easily replaceable, and readily available.

ELECTRICAL CONTROLS
Remcon's electrical engineer consults with the baler manufacturer for each conveyor to obtain a complete integration of conveyor/baler controls, including the emergency stop system.