
Quote To: GAF
11800 Industry Ave
Fontana, CA 92337

Quote#: 9251870

Date: September 9th, 2021

Attn: William Jankiewicz
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Title: Retrofit/upgrade with turnkey installation of existing NCCO RM-975 (Serial #09204-00) top sheet dispenser. Upgrade travel cylinders from air to electric.

Location: Fontana, California

Summary: This proposal provides a turnkey retrofit & install that includes from start to finish an equipment upgrade to startup/run off/ and plc support.

- **Mechanical** - Includes removing the existing travel carriage & air travel system. Replacing with a new carriage built with updated mounts designed for a servo driven belt pulley system for horizontal travel and servo driven electrical cylinder for vertical travel. Complete unit assembly/setup/cable runs (per manufacturer supplied drawings).
 - AB VPL-B0751M-PK14AA Kinetix vp low inertia servo motor
 - AB VPL-B0752M-PK12AA Kinetix vp low inertia servo motor
 - Festo electric cylinder
 - Travel carriage w/ servo mounts
- **Electric & Controls** – The existing enclosure will be replaced with a new enclosure. New enclosure will contain the following main components in addition to duplication of existing equipment components for a complete enclosure.
 - Free standing single door enclosure
 - AB 5069-L306ERM Compactlogix enet motion controller.
 - AB 2198-H008-ERS Kinetix 5500 6.3 amp servo drive
 - AB 1585J-M8CBJM-0M15 RJ45 ethernet media switch
 - AB 12" Panel View Plus HMI touch screen
- **PLC Support** – Electric and controls support will include equipment testing, a runoff completed that includes review of all components and devices
- **Observation & Training** - is included to ensure successful product flow and familiarizing the staff with the unit's operation.

NCCO

Equipment: Encompasses installing the following equipment

Equipment/ DWG #	Qty	Installation Days/People Per unit	PLC Support Observation & Training Days/People Per unit	Total Days onsite per unit
NCCO RM-975 (Serial #09204-00)	1	5-7/2	2/2	7-9

Total Time onsite: 7-9 days consecutive - This is based on a single job site arrival and departure. If multiple trips are requested this will have an impact on overall completion time and will require remobilization along with added travel time and expenses.

Included:

- 1. Equipment** – This installation will require a 5,000 lbs. capacity fork truck, propane powered, to unload and position the equipment. Ramp access and oversized door access are recommended to move equipment from the parking lot to the building. Restricted access will have to be discussed prior to equipment arrival and may incur additional expenses. Forklift will be provided by Steel Square.
- 2. Pre or Onsite Safety Training** – This proposal includes 1 hour of safety training per person and/or testing that is either plant specific or above and beyond 3rd party certifications. Additional, time will be charged at a rate of \$150.00 per man hour plus expenses.
- 3. Startup & Training** – Includes start-up assistance & training of operator and maintenance staff for the equipment. 1 hour/1 session per unit has been allotted in this proposal for staff training. Additional training sessions will be charged.

Notes:

- 1. Time and Material Rate** - The proposal encompasses a turnkey install. Any items that delay the installation of the equipment that is not the responsibility of Steel Square or the request for additional work to be completed would be above and beyond the proposed. These items would be billed out at time, material, and expenses unless otherwise bid.

Turnkey Package Pricing:

Item	Allotted Time	Totals
NCCO RM-975: Equipment retrofit/upgrade with turnkey installation	7-9 days	\$96,000.00

- **Pricing:** Provided pricing has been provided as a package.
 - **Travel:** Proposal Includes all travel expenses incurred to and from sites along with room and board
 - **State & Local Taxes:** Customer responsibility
 - **Building permits:** Customer will be responsible along with conformance to local codes
 - **Utilities:** Must be brought to the units listed and in a timely manner to complete project within allotted time.
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Thank you for this opportunity to quote your project.

Sincerely,
John Kennedy

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