Foundation Details

Plan View (Base enclosure)

- 5/8" x 6" enclosure anchor expansion bolts (2) by contractor
- 3/4" x 17" mast anchor expansion bolts (4) by contractor
- 3\/4\" clearance

Structure side

- Holes drilled in slab for mast anchor expansion bolts (4) (Min. 11" embedment!)
- 5/8" x 6" enclosure anchor expansion bolt (2) by contractor (Min. 4" embedment!)

Elevation (Concrete slab)

- 3\" clear.
- 14\'-3" minimum

- 6\'-9 3/4"
- 1\'-1 1/2"
- 2\'-1 1/4"
- 7\'-1 1/2"
- 7\'-1 1/2"
- 10\'-10 1/2"
- 13\'-7 1/2"

Base frame

- 3\'/4" x 17" mast anchor expansion bolt (4) by contractor [See Note 8 below]
- 1/2" x 3" x 3" sq. steel plate washer [See Note 9 below]

Structure side

- Mast section to base frame connection bolt (4)
- 1/2" x 3" x 3" sq. washer ASTM A36 steel plate by contractor.

Elevation (Concrete slab)

- 7\'-11/2"
- 14\'-10"
- 1\'-7/8"
- 1\'-3"
- 3\'/4"
- 3\'/4"
- 1\'-6 7/8"

Verify that the use of a slab foundation conforms to all applicable federal, state and local standards and codes PRIOR to foundation installation.

NOTES

1. Foundation slab: 14'-3" x 14'-10" x 1'-2" with 3,500 psi concrete.
2. Reinforcing bars are #5 ASTM 615-60 10" o.c. each way.
3. Foundation based on 490-foot mast height. For greater heights, contact Morrow engineering department.
4. Foundation pad designed for a minimum soil bearing of 1,000 psf.
6. Refer to the manufacturer’s manual before installing, operating, servicing, repairing, jumping or dismantling hoist.
7. For alternate configurations, contact Morrow Equipment for additional information.
8. 3/4" x 17" Williams™ High Tensile Spin-Lock Anchor Bolt and nut assembly (R1S06C14 Head assembly with ASTM A109/C1045 bolt and nut) or approved equivalent. Bolt by contractor. Install according to bolt manufacturer’s requirements. Drill holes 1 3/4-in diameter allowing for 11" embedment. Bolt is also available through Morrow upon request. R1S-type anchor bolts not intended for use at extreme cold temperatures.
9. 1/2" x 3" x 3" sq. washer ASTM A36 steel plate by contractor. Washer also available from Morrow upon request. Drill hole = 13/16" dia. at centerline.
IMPORTANT: ANSI A10.4 11.3 specifies a 1/2” (min.) to 2 1/2” (max.) clearance between car platform sill and landing sill. Verify before installing to assure compliance with appropriate standards, codes and regulations.

Note: Hoist cars are equipped with doors at each end. An optional side door with a 10'-6" x 6'-7" opening is available. Contact Morrow for more information.

Plan View

Note: Verify all dimensions before mast tie installation. See manual for additional information or contact Morrow.

The tie-in connection shown above is an example of a typical installation. Please note, however, that the actual connection to be installed may differ due to project specific criteria. Tie extensions available upon request. Contact Morrow for information.
## SPECIFICATIONS

### GENERAL
- Load capacity: 6,200 lbs (each car)
- Number of passengers: 30 (each car)
- Car inside dimensions (approx.): 12'-2" x 4'-11" x 7'-3"
- Door opening: 6'-7" x 4'-11"
- Mast section length: 4'-11 3/8"
- Speed: 0 - 157 fpm
- Motors: 3 x 15 hp (each car)

### WEIGHTS
- Base enclosure (without cars): 3,090 lbs
- Base enclosure (with cars): 13,845 lbs
- Hoist car (each): 5,370 lbs
- Mast section (double racks): 341 lbs

### SAFETY FEATURES
- Electronic and mechanical door interlocks on hoist cars and base enclosure doors.
- Safety hooks assure hoist cars are securely attached to mast.
- Automatic stop and final limit switches limit hoist car travel when reaching end positions.
- Phase failure relay system prevents hoist operation unless correct phase sequence is connected.
- Governor prohibits excessive drive speed.
- Main “ON/OFF” switch lockable to prevent unauthorized operation.
- Spring buffers.
- NO counterweights required.

### INSTALLATION
- Adding mast sections does not require special equipment.
- For instructions regarding the installation of the FC 28/37 TD dual car hoist, refer to the manufacturer’s manual.
- Specifications and equipment shown are subject to change without prior notification.
- Drawings are for illustrative purposes only. Do not scale.
- This product must be used in a safe manner. Furthermore, the use of this product and its components must be in conformity with manufacturer’s specifications and in compliance with all applicable standards, codes, regulations, etc.

Please refer to manufacturer’s manual when installing, operating, servicing, repairing, jumping or dismantling hoist. This datasheet contains information for “typical” FC 6200-12D installation, i.e., configured for car on left-hand side of mast (when viewing hoist from side opposite structure). For alternate configurations and special applications, contact Morrow Equipment for information.

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1. 480 V phase–phase, 277 V each phase to ground with 120° phase shift between phases. 3-phase, 60 Hz power supply plus ground wire. Do not use Open-Delta supply.
2. Requires use of an embedded foundation frame in lieu of mast anchor expansion bolts. See operation manual or contact Morrow engineering for specific information.
3. Overhang and mast tie spacing figures vary. See operation manual or contact Morrow engineering for specific information.

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