



Warning: Review Before Submittal

- Failure to Provide Accurate and Complete Information could result in the following: Delayed Controller Shipment, Price Change, and Incurred Engineering Charges.
- If a job specification is included you must complete the 'Build to Job Specification' section on page 3.
- All Fixtures must be 24 VDC/6 Watts Max.
- If a category is not completed, the **default** option will be assumed.

| TRACTION AC - Table of Contents by Page | |
|---|-----------------------------------|
| 1. Job Information | 6. Fixtures |
| 2. Shipping & Pre-Wire | 7. Car Door Data |
| 3. General Controller Information | 8. Landings and Openings |
| 4. Motor/Encoder, and Brake Data | 9. Elevator(s) Physical Layout |
| 5. Features & Functions | 10. Motor Purchase from Smartrise |

This document can be edited, saved, and submitted electronically using Adobe Reader.

| Job Details | |
|--|---|
| Job Name: <input type="text"/> | Market Segment: <input type="checkbox"/> Federal <input type="checkbox"/> Health Care <input type="checkbox"/> Financial <input type="checkbox"/> Education <input type="checkbox"/> Hospitality <input type="checkbox"/> Residential <input type="checkbox"/> Other |
| PO #: <input type="text"/> | |
| Job Location (City & State) <input type="text"/> | |

| Purchasers Information: (If packager fill in End User Info on right) | |
|--|---------------------------|
| Name: <input type="text"/> | |
| Title: <input type="text"/> | |
| Company: <input type="text"/> | |
| Phone: <input type="text"/> | Fax: <input type="text"/> |
| Cell: <input type="text"/> | |
| Email: <input type="text"/> | |
| Engineering Contact Information: (If different than above) | |
| Name: <input type="text"/> | |
| Title: <input type="text"/> | |
| Company: <input type="text"/> | |
| Phone: <input type="text"/> | Fax: <input type="text"/> |
| Cell: <input type="text"/> | |
| Email: <input type="text"/> | |
| <input type="text"/> | Date Filled Out |

| End User Information: (for packager use only) | |
|---|---------------------------|
| Name: <input type="text"/> | |
| Title: <input type="text"/> | |
| Company: <input type="text"/> | |
| Phone: <input type="text"/> | Fax: <input type="text"/> |
| Cell: <input type="text"/> | |
| Email: <input type="text"/> | |

Notes and Special Instructions

Shipping Information

Contact Name:

Phone:

Contact Fax/Email:

Smartrise Call Prior to Shipping: Yes No

Carrier Call for Delivery Appointment: Yes No

Lift Gate Required: Yes No

Freight Terms

Use Smartrise Carrier: Yes No

Will Call

Pre-paid

Customer's Carrier Name:

Carrier's Account Number:

Collect Third Party

Third Party Billing (Duties & Taxes)

Ship to Name/Company:

Shipping Address:

Bill To Address:

Shipping Schedule

| Controller(s) | Desired Ship Date from Smartrise | Controller(s) | Desired Ship Date from Smartrise |
|----------------------|----------------------------------|----------------------|----------------------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Note: Desired ship date from Smartrise is not an arrival date.

Additional Shipping Instructions

Pre-wire Fixtures (Must be 24 VDC/6 Watt Max) Not Required

Pre-wire COP Boards: Yes No (default)

Pre-wire Hall Boards: Yes No (default)

Fixture Manufacturer

Innovation ECC Other

Monitor MAD

PTL Otis

RSL Car Calls

RSL Hall Calls

Company Name:

Ship to Address:

Job Reference: Contact Person at Mfg.

Electrical Main Line and Transformer Specification

Main Line Specification:

Main Line Volts (Transformer required if motor volts are 10% greater than main line)

Three Phase (default)

Single Phase

Hz (Main Line is 60Hz unless stated otherwise)

Main Line Transformer (If Customer Requires)

Provided by Smartrise

Provided By Customer (customer to provide drawing)

Secondary Voltage

kVA

Data Plate Copy Included

Environmental Considerations Not Required

Controller Cabinet Air-pressure cooled (add Vortex)
(Customer to provide Air Compressor)

Controller Cabinet Air conditioned cooled (add A/C Unit)

Controller Cabinet Forced Air cooled (add Fan and Filter)

Arc Flash Protection

Special attention to hoist-way shaft (provide details in notes below)

Outdoor or Hostile (Industrial Environment)

NEMA Rating for Machine Room Controller Cabinet (if required, default NEMA 1)

NEMA Rating for Top of Car Enclosure (if required, default NEMA 1)

NEMA For Landing System (if required, default NEMA 1)

Connection Package (Run Box)

SmartConnect Package - Recommended
(Pre-Wired Car Top Inspection Box Included)

Car Operating Panel

Single Panel (default) Other

Dual Panels Remote Panel

Notes and Special Instructions

Configuration

Simplex # Cars

Group # Cars in Group # of Hall Risers/Group

Group Redundancy Swing Riser, Car #

Selective Collective (2 buttons/floor, multiple calls)

Non-Selective Collective (1 button/floor, multiple calls)

Non-Selective Non-collective (1 button/floor, 1 call at a time)

Build to Job Specifications Not Required

We will review the spec and will provide a list of exceptions when necessary.

Job needs to be built to meet Engineering Specifications in Document provided EXCEPT those listed below (Provide Page/Section & Description of exceptions)

ASME 17.1 Elevator Safety Code Compliance

2016 Additional Local Code

2013

2010

2007

2004 NYC (Appendix K)

2000 No Fire Service MASSACHUSETTS

Controller Layout Preference

Standard (MR, CT, and COP) (default)

No Cartop

No COP

Custom:

We will notify you if the preference chosen cannot be honored

Traction Features, Motor/Encoder, and Brake Data

| Traction Features (<input type="checkbox"/> Features for all cars is the same as car 1) Failure to provide data will result in delay of controller shipment | | | | | | | | | |
|---|----------------|----------|---|--|--------------------------------|--------------------------|--|-----------------------------------|------------------------------------|
| Car | Contract Speed | Capacity | Motor Provided By | Encoder Provided By | Customer Supplied Encoder Info | Regn Kit | MRL Battery Rescue | Gov Reset Coil Is | Gov Reset Coil Is |
| | | | <input type="checkbox"/> Smartrise <input type="checkbox"/> Customer | <input type="checkbox"/> Smartrise* <input type="checkbox"/> None <input type="checkbox"/> Customer (Include info in notes) | Make | <input type="checkbox"/> | <input type="checkbox"/> Auto Rescue Operation <input type="checkbox"/> Emer. Brake Release | <input type="checkbox"/> Is 24vdc | <input type="checkbox"/> Is 120vac |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | Model | | | | |
| 4 | | | | | | | | | |

*Except encoders and cables for PM

| Motor/Encoder Data (<input type="checkbox"/> Data for all cars is the same as car 1) Failure to provide data will result in delay of controller shipment | | | | | | | | | | | | | | |
|--|---------------------|-------------|-----|----|-----|-------------|------------|----------------|------------|-------------|------------|------------|----------------|---------------|
| Car | Machine Brand/Model | Motor Volts | FLA | HP | RPM | Motor Freq. | # of Poles | PM Accel Volts | Rope Ratio | Sheave Dia. | Gear Ratio | Encodr PPR | Enc Cbl Length | Enc Shaft Dia |
| 1 | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |

| Additional Motor Data for IM & PM Motors (<input type="checkbox"/> Data for all cars is the same as car 1) Failure to provide data will result in delay of controller shipment | | | | | | | |
|--|---|--|--------------------------|--|--|-----------|--|
| Car | Motor Type | Machine Type | MRL | Location | Mount | Peak Amps | |
| 1 | <input type="checkbox"/> Induction Motor <input type="checkbox"/> Permanent Magnet Motor | <input type="checkbox"/> Geared <input type="checkbox"/> Gearless | <input type="checkbox"/> | <input type="checkbox"/> Overhead <input type="checkbox"/> Basement | <input type="checkbox"/> Foot <input type="checkbox"/> Flange | | |
| 2 | <input type="checkbox"/> Induction Motor <input type="checkbox"/> Permanent Magnet Motor | <input type="checkbox"/> Geared <input type="checkbox"/> Gearless | <input type="checkbox"/> | <input type="checkbox"/> Overhead <input type="checkbox"/> Basement | <input type="checkbox"/> Foot <input type="checkbox"/> Flange | | |
| 3 | <input type="checkbox"/> Induction Motor <input type="checkbox"/> Permanent Magnet Motor | <input type="checkbox"/> Geared <input type="checkbox"/> Gearless | <input type="checkbox"/> | <input type="checkbox"/> Overhead <input type="checkbox"/> Basement | <input type="checkbox"/> Foot <input type="checkbox"/> Flange | | |
| 4 | <input type="checkbox"/> Induction Motor <input type="checkbox"/> Permanent Magnet Motor | <input type="checkbox"/> Geared <input type="checkbox"/> Gearless | <input type="checkbox"/> | <input type="checkbox"/> Overhead <input type="checkbox"/> Basement | <input type="checkbox"/> Foot <input type="checkbox"/> Flange | | |

| Brake Data (<input type="checkbox"/> Data for all cars is the same as car 1) Failure to provide data will result in delay of controller shipment | | | | | | | | | | | | | |
|--|---|-----------------------|----------------------|-----------------|---------------|---|--|--|--|---|--|--|--|
| Car | DC/AC | Pick Volts (DC or AC) | Hold Volts (DC Only) | Coil Resistance | Coil Amperage | Emergency (2 nd) Brake | | | | Independent (2 nd) Brake Data | | | |
| | <input type="checkbox"/> DC (default) <input type="checkbox"/> AC (3 Phase) <input type="checkbox"/> AC (1 Phase) | | | | | <input type="checkbox"/> 120vac Hollister-Whitney Rope Gripper <input type="checkbox"/> Draka Rope Brake (* below) | <input type="checkbox"/> Independent 2nd DC Brake on Motor | | | | | | |
| 1 | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |

Hollister-Whitney Rope Gripper if NOT 120vac. Specify Voltage:

* For Draka 6501 Rope Brake (If Supplied by Smartrise)

Rope Spread Rope Diameter

Motor Control Preference

Magnetek (default)

K.E.B.

Magnetek Quattro AC

Filters

Line Reactor

EMI/RFI Filer

Harmonic Filter

We will notify you if the preference chosen cannot be honored

Notes and Special Instructions

Special Features Not Required

| | |
|---|---------------------------------------|
| <input type="checkbox"/> Remote (2 nd) Fire Keyswitch & Lamp | <input type="checkbox"/> Shunt-Trip |
| <input type="checkbox"/> Earthquake <small>(Includes Buzzer and Lamp)</small> | <input type="checkbox"/> Flood Sensor |
| <input type="checkbox"/> Car-to-Lobby Keyswitch | <input type="checkbox"/> 'S' Button |
| <input type="checkbox"/> Fan and Light Auto Shutoff Circuit <small>(CT only)</small> | |
| <input type="checkbox"/> Machine Room Cabinet Light | |
| <input type="checkbox"/> Machine Room Cabinet Power Plug | |
| <input type="checkbox"/> Mechanical Normal Limits <small>(Mechanical Switches not provided by Smartrise)</small> | |

Special Modes of Operation Not Required

Independent Service (default)

Hoistway Access Yes (default) No

In-Car Inspection Switch (uses top/bottom car calls)

CT Inspection requires an In Car Inspection (Hoist-way or IC)

Non-standard

Medical Emergency Service (provide floor(s) on page 8)

Building is a Hospital with keys at every floor
In Car Buzzer, In Car Lamp, and Hallway Lamp at each Floor are included

Non-hospital – Phase 1 key at main level only
In Car Buzzer and In Car Lamp are included

Sabbath (attach spec)

Other

Attendant Service Not Required

Attendant Service (Is NOT Independent Service)

In Car Buzzer In Car Lamp

Choose 1: Hall Call Above/Below Lamps (default)

Non-directional (all hall call lamps)

Other : _____

Emergency Power (if generator cannot run all cars) Not Required

E.P. Contact from Generator is

Normally Open Normally Closed

Power Pre-Transfer Contact from Generator is

Normally Open (default) Normally Closed Not Present

Emergency Power Car Selector Switch

Single Car Selection (default) Multiple Car Selection (provide details below)

Number of cars the generator can operate simultaneously
(default value is 1 car)

Generator powers other Simplex/Groups

Car Call Security (specify floors on page 9) Not Required

Using COP Floor Buttons as Code Entry

Using Dry Contacts from Card Readers and/or Keyswitches

Input in Car Station (default) Input in Machine Room

Override Security When on Independent Service or Attendant Service

Provide a Car Call Security Override Input

Input in Car Station (default) Input in Machine Room

Door Open Button Functions on Secured Landings

Other Considerations

Hall Call Security Not Required

Provide Enable/Disable all Hall Calls Input (simplex)

Provide a Hall Call Security Override Input (per floor)

Dry Contacts in Hall Fixtures Signals in Machine Room
(default)

Other Considerations

Controller Monitoring System Not Required

Designed and Manufactured by Smartrise Engineering

SmartView 2.0 Monitoring

Quantity

Number of 7 Inch Viewing Devices

Number of 11 Inch Viewing Devices

Number of 19 Inch Viewing Devices

Access outside of Machine Room

Outside machine room requires cloud subscription through Smartrise and internet access. Inside the machine room requires WiFi on PC or tablet.

Designed and Manufactured by Integrated Display Systems

Lift-Net (interface only)

Designed and Manufactured by Kings III of America

ORM (interface only)

• Custom Traveler and Hoist-way Cable (Purchase from Smartrise)

Not Required

Traveler Cable

Traveler Cable: Part # TCSX33SR
 Four 14 AWG
 Twenty 18 AWG
 Four 20 AWG Shielded
 Jacketed Pairs
 One RG 6/U Coaxial Cable
 Steel Core
 Textile Braid and PVC Jacket
 Kellum Support Grip Pair

Length of Cable(s)
 Per car (in feet)

| | | |
|----------------------|-------|----------------------|
| <input type="text"/> | Car 1 | <input type="text"/> |
| <input type="text"/> | Car 2 | <input type="text"/> |
| <input type="text"/> | Car 3 | <input type="text"/> |
| <input type="text"/> | Car 4 | <input type="text"/> |
| <input type="text"/> | Car 5 | <input type="text"/> |
| <input type="text"/> | Car 6 | <input type="text"/> |

Hoistway Cable

Hoistway Cable, Part #HC2118SR Twenty-one
 18 AWG Insulated Conductors

• All Fixtures must be 24 VDC/6 Watts Max.

In Car Position Indicator

Not Required

- CE Micro Com (default) Discrete Signals (one line per floor)
 Emotive 3-Wire Discrete Signals (binary)
 DL-20 (interface only) RSL
 Other: _____

In Hall Position Indicator

Not Required

- CE Micro Com (default) Discrete Signals (one line per floor)
 Emotive 3-Wire Discrete Signals (binary)
 EX-51/EX31 (interface only) RSL
 # of Floors with Hall Position Indicators
 Other: _____

In Car Arrival Lantern

Not Required

- CE Micro Com (default) Discrete Signals
 Emotive 3-Wire Bulb/Chime wattage (if Discrete):
 RSL
 Other: _____

In Hall Arrival Lanterns

Not Required

- First Floor Only (Discrete) CE Micro Com Lanterns (Type: SA130M Req.)
 All Floors (Smartrise Hall Boards) Emotive 3-Wire
 EX-51/EX31(interface only) RSL
 If Lamps/Gongs are not 24VDC/6 Watt. (explain below)

In Car Passing Chime

Not Required

- CE Micro Com (default) Discrete Signal RSL
 Emotive 3-Wire Bulb/Chime wattage (if Discrete):

In Car Voice Annunciator

Not Required

- CE Micro Com Emotive 3-Wire Speaker is Remote
 RSL
 Provided By: Smartrise Customer (must be CE or Emotive 3 wire)
 Other: _____

Lobby Panel

Not Required

- Door Open Lamp In Use Lamp
 On Independent Svc. Lamp In Service Lamp
 Emergency Power Lamp

Other Requirements

Load Weighing

Not Required

- Load Weigher Provided By Overload Lamp
 Smartrise (EMCO) Customer Anti-Nuisance
 # Ropes Rope Diameter 1:1 Roping
 2:1 Roping

Car Door

| | | | | | |
|-------------|--|--|--|--|--|
| Door Type 1 | All <input type="checkbox"/> F <input type="checkbox"/> R | Car 1 <input type="checkbox"/> F <input type="checkbox"/> R | Car 2 <input type="checkbox"/> F <input type="checkbox"/> R | Car 3 <input type="checkbox"/> F <input type="checkbox"/> R | Car 4 <input type="checkbox"/> F <input type="checkbox"/> R |
|-------------|--|--|--|--|--|

Hall Door Type
 Auto Passenger (default) Powered Freight (see * below) Manual Other

Select Door Operator

| | | |
|-----------------------------------|----------------|---|
| <input type="checkbox"/> Abell | ATS 0090 | Field "EZ" |
| <input type="checkbox"/> GAL | MODCTL | 24vdc interface relays |
| <input type="checkbox"/> GAL | MOD | L, G, or X |
| <input type="checkbox"/> GAL | MOVFR | 230vac input voltage |
| <input type="checkbox"/> Kone | Mac | 104 or 105D interface board |
| <input type="checkbox"/> Kone | PMSSC | 104 or 105D interface board |
| <input type="checkbox"/> Otis | AT-400 | 240 AC/120 VDC Interface |
| <input type="checkbox"/> Otis | AT-400/Glide P | Multi-Drop |
| <input type="checkbox"/> TKE | Dover HD-03 | Requires IO Card: 6300TX2 (110vac) |
| <input type="checkbox"/> TKE | Dover HD-73 | Type D/I/O |
| <input type="checkbox"/> TKE | Dover HD-91 | DC Motor |
| <input type="checkbox"/> TKE | HDLM | Requires UIT_I/O Card |
| <input type="checkbox"/> Fermator | VVVF5 | Linear Door Operator |
| <input type="checkbox"/> None | | Manual Car Gate |
| <input type="checkbox"/> Peelle | Wireless | *Input Freight/door information at bottom |
| <input type="checkbox"/> Courion | ILearn | |
| <input type="checkbox"/> EMS | | |
| <input type="checkbox"/> Other | | *Input Other door information at bottom |

Door Protection
 Photo Eye/Light Curtain (default) Mechanical Safety Edge Door Hold Button

Cam
 Mechanical DC AC (3 Phase) AC (Single Phase)

| | |
|-------|------|
| Volts | Amps |
| | |

Gate Release
 DC AC (3 Phase) AC (Single Phase)

| | |
|-------|------|
| Volts | Amps |
| | |

Other Door Considerations

| | | | | | |
|-------------|--|--|--|--|--|
| Door Type 2 | All <input type="checkbox"/> F <input type="checkbox"/> R | Car 1 <input type="checkbox"/> F <input type="checkbox"/> R | Car 2 <input type="checkbox"/> F <input type="checkbox"/> R | Car 3 <input type="checkbox"/> F <input type="checkbox"/> R | Car 4 <input type="checkbox"/> F <input type="checkbox"/> R |
|-------------|--|--|--|--|--|

Hall Door Type
 Auto Passenger (default) Powered Freight (see * below) Manual Other

Select Door Operator

| | | |
|-----------------------------------|----------------|---|
| <input type="checkbox"/> Abell | ATS 0090 | Field "EZ" |
| <input type="checkbox"/> GAL | MODCTL | 24vdc interface relays |
| <input type="checkbox"/> GAL | MOD | L, G, or X |
| <input type="checkbox"/> GAL | MOVFR | 230vac input voltage |
| <input type="checkbox"/> Kone | Mac | 104 or 105D interface board |
| <input type="checkbox"/> Kone | PMSSC | 104 or 105D interface board |
| <input type="checkbox"/> Otis | AT-400 | 240 AC/120 VDC Interface |
| <input type="checkbox"/> Otis | AT-400/Glide P | Multi-Drop |
| <input type="checkbox"/> TKE | Dover HD-03 | Requires IO Card: 6300TX2 (110vac) |
| <input type="checkbox"/> TKE | Dover HD-73 | Type D/I/O |
| <input type="checkbox"/> TKE | Dover HD-91 | DC Motor |
| <input type="checkbox"/> TKE | HDLM | Requires UIT_I/O Card |
| <input type="checkbox"/> Fermator | VVVF5 | Linear Door Operator |
| <input type="checkbox"/> None | | Manual Car Gate |
| <input type="checkbox"/> Peelle | Wireless | *Input Freight/door information at bottom |
| <input type="checkbox"/> Courion | ILearn | |
| <input type="checkbox"/> EMS | | |
| <input type="checkbox"/> Other | | *Input Other door information at bottom |

Door Protection
 Photo Eye/Light Curtain (default) Mechanical Safety Edge Door Hold Button

Cam
 Mechanical DC AC (3 Phase) AC (Single Phase)

| | |
|-------|------|
| Volts | Amps |
| | |

Gate Release
 DC AC (3 Phase) AC (Single Phase)

| | |
|-------|------|
| Volts | Amps |
| | |

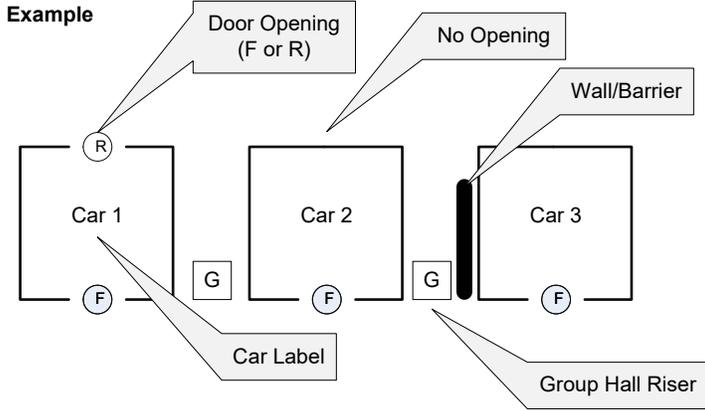
Other Door Considerations

* Freight/Other Door Operator Info

| | |
|--|--|
| Manufacturer | |
| Model | |
| Reference #'s | |
| Job Prints from Door Manufacturer are Required | |

Notes and Special Instructions:

Elevator(s) Physical Layout



Draw a topographical map of elevator(s) location on grid provided.

- * Accurately label each car by number/letter
- * Mark openings: F (front) or R (rear)
- * Label risers as:
 - G = Group Riser
 - I = Inconspicuous Riser
 - H = Hospital Service Riser
- * Draw in walls/barriers (heavy line)

Notes/Special Considerations

* Complete only if purchasing a motor from Smartrise
 * All other motor data is provided on Page 4

Existing Machine Information

Machine Brand

Model

Style

Counter Weight Percentage:

New Motor Information

Volts

RPM

Straight Shaft
 Tapered Shaft

Encoder Cable Length

30 Ft.
 40 Ft.
 50 Ft.
 Other Ft.

Coupling Survey (only if provided by Smartrise)

(CF) Coupling Flange Diameter

Number of Mounting Bolts

Bolt Size

(BH) Bolt Hole Diameter

(BTB) Center Bolt to Center Bolt

(BC) Bolt Circle

Existing Motor Information

Manufacturer:

Frame Size/Style:

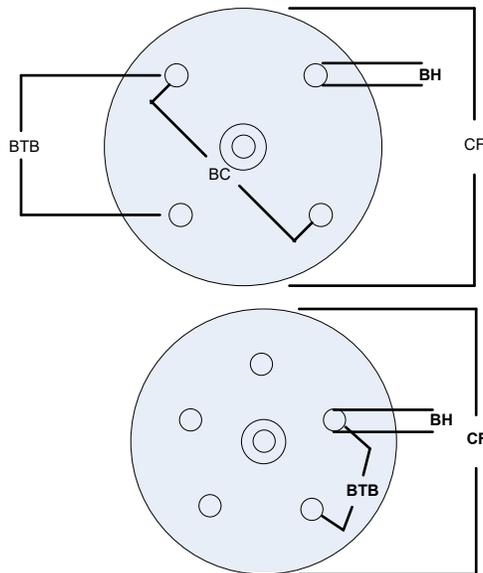
Foot Mount Flange Mount

HP Volts RPM

Car Speed

Car Capacity

Machine Location Overhead
 Basement



Notes and Special Instructions