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# HYDRO:EVOLVED

**Engineering Data Form – Page 1**

Rev 19.0 101626

## 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.

**Hydraulic -** Table of Contents

1. Job Information
2. Shipping and Pre-Wire
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9. Destination Dispatch
10. Elevator(s) Physical Layout

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

### Job Details

Job Name:
PO #:
Job Location (City & State)

Market Segment:
☐ Federal ☐ Health Care ☐ Financial
☐ Education ☐ Hospitality ☐ Residential ☐ Other

### Purchasers Information: (If Packager, Fill in End User Info on Right)

Name:
Title:
Company:
Phone: Fax:
Cell:
Email:

**Engineering Contact Information: (If different than above)**

Name:
Phone: Fax:
Cell:
Email:

Date Filled Out

### End User Information: (For Packager Use Only)

Name:
Title:
Company:
Phone: Fax:
Cell:
Email:

### Job Site Address: (Address Where Controller(s) Will Be Installed)

Street:
City:
State:
Zip Code:

### Building Owner/Manager Information

Name:
Phone:
Email:
Street:
City:
State:
Zip Code:

### Technical Bulletin Notifications

☐ Same as Purchaser Information
☐ Same as Engineering Contact Information

Name:
Phone:
Email:
Address:

# Shipping and Pre-Wire



## 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 |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

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**

☐ Dupar ☐ ERM ☐ Monitor ☐ Other
☐ SEES ☐ Innovation ☐ PTL
☐ EPCO ☐ MAD
☐ Elevator Cabs and Surfaces

Company Name:
Ship to Address:

Job Reference:
Contact Person at Mfg.

# General Controller Information



## Electrical Main Line and Transformer Specification

**Main Line Specification:**

☐ Main Line Volts (Transformer required if there is more than a 10% difference between the main line and motor volts)

☐ Three Phase (Default)

☐ VAC L1 to GND ☐ VAC L2 to GND ☐ VAC L3 to GND

☐ Single Phase

☐ Hz (Main Line is 60Hz unless otherwise stated)

**Main Line Transformer (If Customer Requires)**

☐ Provided by Smartrise (Aluminum Isolation Transformers are standard)

☐ 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 hoistway shaft (Provide details in notes below)

☐ Outdoor or Hostile (Industrial Environment)

Machine Room Controller Cabinet NEMA Rating:
☐ 1 (Default) ☐ 4 ☐ 4X ☐ 7 ☐ 12

Top of Car Enclosure NEMA Rating:
☐ 1 (Default) ☐ 4 ☐ 4X ☐ 7 ☐ 12

Landing System NEMA Rating:
☐ 1 (Default) ☐ 4 ☐ 4X ☐ 7 ☐ 12

Landing System:
☐ CEDES Landing System (Default)
☐ Elgo Landing System (IP 54)

***NEMA 4/4X requires ELGO Landing System**

## Car Operating Panel

☐ Single Panel (Default) ☐ Dual Panels

☐ Remote COP (Discrete in M/R)

Is Touch Screen required? ☐ Yes ☐ No

☐ CE Elite ☐ Pixel Opal Touch

*NOTE: CE should provide CE3868 board
Pixel should provide CT-PX2/E encoder

Notes and Special Instructions

## Configuration

☐ Simplex ☐ # Cars

☐ Group ☐ # Cars in Group ☐ # of Hall Risers/Group

☐ Swing Riser, Car # ☐

☐ Selective Collective (2 buttons/floor, multiple calls) (Default)

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

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

Other:_____

## Build to Job Specifications — Not Required ☐

☐ Buy American **(Additional cost will be incurred)**

Total Contract Price: ☐

☐ We will review the spec and 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 and description of exceptions)

## ASME 17.1 Elevator Safety Code Compliance

☐ 2022
☐ 2019
☐ 2016
☐ 2013
☐ 2010
☐ 2007
☐ 2004
☐ 2000

Additional Local Code

☐ NYC (Appendix K)
☐ No Fire Service

☐ Detroit
☐ Massachusetts
☐ Ontario
☐ Florida

## Connection Package (Run Box) — Not Required ☐

☐ SmartConnect Package – Recommended
(Pre-Wired Car Top Inspection Box with Switch Guards included)

☐ with Pendant Light (Optional)

## CAT5 Package — Not Required ☐

☐ Include Hall Network CAT5 package

Controller (MR) to Hall Network (Hoistway) CAT5 Cable Length

☐ 25 ft (Default) ☐ 50 ft ☐ 100 ft

# Hydraulic Features, Motor, and Valve Data



**Hydraulic Features(** ☐ Features for all cars are the same as car 1) Failure to provide data will result in delay of controller shipment Not Applicable ◯

| Car | Rated Speed | Capacity | Battery Lowering | Brown Out Reset | Dual Jacks | Viscosity Control | Adams Life Jacket | Roped | GOV Reset Coil Is 24 VDC | GOV Reset Coil Is 120 VAC | Governor Switch is Manually Reset |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 2 | | | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 3 | | | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 4 | | | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

Low Pressure, Low Oil, and Oil Temp are all included. Only if Roped Hydro

**Motor & Valve Data(** ☐ Data for all cars is the same as car 1) Failure to provide data will result in delay of controller shipment
☐ Smartrise to assume all motor data

| Car | # Motor Leads | Motor Volts | FLA | HP | Valve Brand/Model | Valve Volts 110V–120V | # of Motors | # of Valves | # of Coils per Valve (4 Standard) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | ☐ 1 (Default) ☐ 2 ☐ Other | ☐ Single (Default) ☐ Dual ☐ Other | |
| 2 | | | | | | | ☐ 1 (Default) ☐ 2 ☐ Other | ☐ Single (Default) ☐ Dual ☐ Other | |
| 3 | | | | | | | ☐ 1 (Default) ☐ 2 ☐ Other | ☐ Single (Default) ☐ Dual ☐ Other | |
| 4 | | | | | | | ☐ 1 (Default) ☐ 2 ☐ Other | ☐ Single (Default) ☐ Dual ☐ Other | |

☐ Three Phase
☐ Single Phase

Note: Smartrise is compatible with valve voltages of 110–120 V only.

Note: If the number of coils per valve is not provided, Smartrise will proceed with the standard value of 4.

**Load Weighing** Not Required ◯

Load Weigher Provided By

☐ Smartise ☐ Customer ☐ Overload Lamp ☐ Anti-Nuisance

**Hydraulic Motor Control Preference**

☐ Siemens (Soft Starter) (Default)
☐ Sprecher+Schuh (Soft Starter)
☐ Wye-Delta (via Contactors)
☐ Across the Line (via Contactors)
☐ First Available Soft Starter
☐ First Available Contactors

We will notify you if the preference chosen cannot be honored

Notes and Special Instructions:

# Features and Functions



## Special Features — Not Required

- ☐ Remote (2nd) Fire Key Switch & Lamp
- ☐ Earthquake (Includes Buzzer and Lamp)
- ☐ Car-to-Lobby Key Switch
- ☐ Fan and Light Auto Shutoff Circuit (CT only)
- ☐ Machine Room Cabinet Power Plug
- ☐ Inching Operation
- ☐ Out Of Service Switch
- ☐ Shunt-Trip
- ☐ Flood Sensor
- Specify Flood Floor (Label): ☐ (Default is the first floor above the lowest floor)
- ☐ 'S' Button
- ☐ Machine Room Cabinet Light
- ☐ Enclosure Legs

## Special Modes of Operation — Not Required

Independent Service/Hoistway Access (Default)

- ☐ In-Car Inspection Switch

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
- ☐ Patient Security

Specify Patient Security Floors (Labels): ☐ (Default: All floors)

## Controller Monitoring System — Not Required

Designed and Manufactured by Smartrise Engineering

- ☐ Local Monitoring (Lobby/ Engineering/ Management)**
- ☐ Local Monitoring (No Wi-Fi hardwire only)**
- ☐ Remote Monitoring (Cloud) – Requires Internet Connection**

Designed and Manufactured by Integrated Display Systems

- ☐ Lift-Net 2.0 Modbus**
- ☐ Lift-Net with USB RS-422 Interface (Serial)**
- ☐ Lift-Net with Moxa Unit Interface (Ethernet/ LAN)**
- ☐ BACnet**

| | |
|---|---|
| IP address | |
| Subnet Mask | |
| DNS | |
| Gateway | |
| Users needing login profiles for remote/predictive cloud login. Email address. | |

**Customers must provide Static network settings to integrate into existing networks. Not providing this will not hinder engineering or production.**

**If the above information is not available at time of ordering, the customer will have to call Smartrise Tech Support to set up finalization of monitoring interfacing.**

## Monitoring Viewing Devices — Not Required

All-in-One Touchscreen PCs: ☐ 24" ☐ 27"

Tablets: ☐ 8" ☐ 11"

Laptops: ☐ 15"

## Car Call Security (Specify floors on page 8) — Not Required

- ☐ Using COP Floor Buttons as Code Entry
- ☐ Using Dry Contacts from Card Readers and/or Key Switches
  - ☐ Input in Car Station ☐ Inputs in Machine Room (Default)
- ☐ Provide a Car Call Security Override Input
  - ☐ Input in Car Station ☐ Input in Machine Room (Default)
- ☐ Door Open Functions on Secured Landings

**Notes**

## Hall Call Security — Not Required

- ☐ Provide Enable/Disable all Hall Calls Input (Simplex)
- ☐ Provide a Hall Call Security Overide Input (Per floor)
  - ☐ Dry Contacts in Hall Fixtures (Default) ☐ Signal in Machine Room

## 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
    Requires Discrete Connection from CT to COP Panel Per Landing
  - 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

This section applies to the sequencing of elevators when a combination of multiple machine room, groups and simplexes are in the same building.

Number of cars the generator can power *simultaneously*: ☐

Answer the below only if this generator powers other cars (not included in this job):

Number of Smartrise Cars: ☐ Simplexes ☐ Groups

* Provide Smartrise Job Numbers: ☐

# • Traveler and Hoistway Cable (Purchase from Smartrise)

Not Required ☐

| | Traveler Cable #1 | Traveler Cable #2 | Traveler Cable #5 | Hoistway Cable |
|---|---|---|---|---|
| # OF CONDUCTORS | 19 | 35 | 69 | 26 |
| CORE | Steel | Steel | Steel | N/A |
| DIAMETER | 0.90" | 1.36" | 1.570" | 0.55" |
| # OF 14 AWG | 4 | 4 | 5 | 0 |
| # OF 18 AWG | 7 | 18 | 40 | 26 |
| # OF 20 AWG SHIELD | 4 Pair | 6 Pair | 11 Pair | 0 |
| COAXIAL (RC/6U) | No | 1 | 2 | 0 |
| APPROVALS/BOTH | UL Type ETT> NEC Compliant, CSA Type ETT, CSA FT1 | | | No |

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

| | | | |
|---|---|---|---|
| Car 1 | | | |
| Car 2 | | | |
| Car 3 | | | |
| Car 4 | | | |
| Car 5 | | | |
| Car 6 | | | |

# • 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)

☐ MWSF: Hands Free ☐ Discrete Signals (Binary)

☐ VIDATECH (CAN) ☐ MAD (CAN)

☐ Pixel Technology

Other: _____

## In Hall Position Indicator

Not Required ☐

☐ CE Micro Com (Default) ☐ Discrete Signals (One line per floor)

☐ VIDATECH (CAN) ☐ Discrete Signals (Binary)

☐ Pixel Technology

☐ # of Floors with Hall Position Indicators ☐ MAD (CAN)

☐ MWSF: Hands Free

Other: _____

## In Car Arrival Lantern

Not Required ☐

☐ CE Micro Com (Default) ☐ Discrete Signals

☐ MAD (CAN) Bulb/Chime wattage (If discrete): ☐

☐ Pixel Technology (Connected to PIXEL PI)

Other: _____

## In Hall Arrival Lanterns

Not Required ☐

☐ First Floor Only (Discrete) ☐ CE Micro Com Lanterns (Type: SA130M Req.)

☐ All Floors (Smartrise Hall Boards) ☐ MAD (Smartrise Hall Boards)

☐ Pixel Technology (Connected to AD-2TS SERIAL CHIME)

☐ If Lamps/Gongs are not 24 VDC / 6 Watt (Explain below)

## In Car Passing Chime

Not Required ☐

☐ CE Micro Com (Default) ☐ Discrete Signal

☐ MAD Bulb/Chime wattage (If discrete): ☐

Note:
- CE Micro Com (if Car Position Indicator is CE Micro Com)
- MAD (if Car Car Position Indicator is MAD (CAN))

## Lobby Panel

Not Required ☐

☐ Door Open Lamp ☐ In Use Lamp

☐ On Independent Svc. Lamp ☐ In Service Lamp

☐ Out of Service Lamp ☐ Normal Power Lamp

☐ At Recall Lamp

Other Requirements

# Car Door



| **Front** Door Type | Use this door for all cars or specify which cars use it | | | | |
|---|---|---|---|---|---|
| | All ☐ | Car 1 ☐ | Car 2 ☐ | Car 3 ☐ | Car 4 ☐ |

**Hall Door Type**

☐ Auto Passenger (Default) ☐ Manual

**Car Door Type**

☐ Auto Passenger (Default) ☐ Manual (See ♦ below) ☐ Powered Freight (See * below)

**Select Door Operator**

| | | | |
|---|---|---|---|
| ☐ | Abell | ATS 0090 | Field "EZ" |
| ☐ | Fermator | VVVF5 | Linear Door Operator |
| ☐ | GAL | MODCTL | 24 VDC Interface Relays |
| ☐ | GAL | MOD | (L, G, or X) Motor Armature Voltage: |
| ☐ | GAL | MOVFR | Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC |
| ☐ | GAL | MOVFE | Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC |
| ☐ | Kone | AMD | Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC<br>Model #: ☐ 1.5 ☐ 2.0 |
| ☐ | Kone | Mac | 104 or 105D Interface Board |
| ☐ | Kone | PMSSC | Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC<br>104 or 105D Interface Board |
| ☐ | Otis | AT400 | 120 VDC (Discrete Only & Power Supply by Smartrise) |
| ☐ | Otis | Glide A | 220 VAC (Discrete Only) |
| ☐ | Otis | Glide P | 220 VAC (Discrete Only) |
| ☐ | SEES | Smooth Operator | Input Voltage: ☐ 220 VAC ☐ 110 VAC |
| ☐ | TKE | Dover HD-03 | Input Voltage: (Only M Models) |
| ☐ | TKE | Dover HD-73 | Motor Armature Voltage: (Type D/IVO) |
| ☐ | TKE | Dover HD-91 | Motor Armature Voltage: (DC Motor) |
| ☐ | TKE | HD-85 | Motor Armature Voltage: |
| ☐ | TKE | HDLM | Input Voltage: AMPS:<br>Requires UIT_I/O Card |
| ☐ | TKE | LD-16 | Input Voltage: |
| ☐ | TKE | ECI | Input Voltage: |
| ☐ | Wittur | SGV: MIDI/Supra | V1 Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC<br>V2 (Default) Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC |
| ☐ | EMS | | *Input Freight/Door Information at Bottom |
| ☐ | Courion | | |
| ☐ | Peelle | | |
| ☐ | Langer + Laumann | TSG V4 | Input Voltage: ☐ 230 VAC (Default) ☐ 115 VAC |
| ☐ | Other | | *Input Other Door Information at Bottom |

☐ **Door Protection**

☐ Photo Eye/Light Curtain (Default) ☐ Mechanical Safety Edge ☐ Door Hold Button

**♦ Manual Car Door CAM Type/Information**

| | | | | |
|---|---|---|---|---|
| ☐ | Mechanical | | | |
| ☐ | DC | Volts | | Amps |
| ☐ | AC (3-Phase) | Volts | | Amps |
| ☐ | AC (Single Phase) | Volts | | Amps |

| **Rear** Door Type | Use this door for all cars or specify which cars use it | | | | |
|---|---|---|---|---|---|
| | All ☐ | Car 1 ☐ | Car 2 ☐ | Car 3 ☐ | Car 4 ☐ |

**Hall Door Type**

☐ Auto Passenger (Default) ☐ Manual

**Car Door Type**

☐ Auto Passenger (Default) ☐ Manual (See ♦ below) ☐ Powered Freight (See * below)

**Select Door Operator**

| | | | |
|---|---|---|---|
| ☐ | Abell | ATS 0090 | Field "EZ" |
| ☐ | Fermator | VVVF5 | Linear Door Operator |
| ☐ | GAL | MODCTL | 24 VDC Interface Relays |
| ☐ | GAL | MOD | (L, G, or X) Motor Armature Voltage: |
| ☐ | GAL | MOVFR | Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC |
| ☐ | GAL | MOVFE | Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC |
| ☐ | Kone | AMD | Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC<br>Model #: ☐ 1.5 ☐ 2.0 |
| ☐ | Kone | Mac | 104 or 105D Interface Board |
| ☐ | Kone | PMSSC | Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC<br>104 or 105D Interface Board |
| ☐ | Otis | AT400 | 120 VDC (Discrete Only & Power Supply by Smartrise) |
| ☐ | Otis | Glide A | 220 VAC (Discrete Only) |
| ☐ | Otis | Glide P | 220 VAC (Discrete Only) |
| ☐ | SEES | Smooth Operator | Input Voltage: ☐ 220 VAC ☐ 110 VAC |
| ☐ | TKE | Dover HD-03 | Input Voltage: (Only M Models) |
| ☐ | TKE | Dover HD-73 | Motor Armature Voltage: (Type D/IVO) |
| ☐ | TKE | Dover HD-91 | Motor Armature Voltage: (DC Motor) |
| ☐ | TKE | HD-85 | Motor Armature Voltage: |
| ☐ | TKE | HDLM | Input Voltage: AMPS:<br>Requires UIT_I/O Card |
| ☐ | TKE | LD-16 | Input Voltage: |
| ☐ | TKE | ECI | Input Voltage: |
| ☐ | Wittur | SGV: MIDI/Supra | V1 Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC<br>V2 (Default) Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC |
| ☐ | EMS | | *Input Freight/Door Information at Bottom |
| ☐ | Courion | | |
| ☐ | Peelle | | |
| ☐ | Langer + Laumann | TSG V4 | Input Voltage: ☐ 230 VAC (Default) ☐ 115 VAC |
| ☐ | Other | | *Input Other Door Information at Bottom |

☐ **Door Protection**

☐ Photo Eye/Light Curtain (Default) ☐ Mechanical Safety Edge ☐ Door Hold Button

**♦ Manual Car Door CAM Type/Information**

| | | | | |
|---|---|---|---|---|
| ☐ | Mechanical | | | |
| ☐ | DC | Volts | | Amps |
| ☐ | AC (3-Phase) | Volts | | Amps |
| ☐ | AC (Single Phase) | Volts | | Amps |

*Freight/Other Door Operation Information

Manufacturer

Model

Reference #'s

Job Prints from Door Manufacturer are Required

Notes and Special Instructions:

# Landings and Openings



## Floor Information

| | Floor Label | Floor Height |
|---|---|---|
| | **Overhead ->** (Default 13ft) | |
| | 15 | |
| | 14 | |
| | 13 | |
| | 12 | |
| | 11 | |
| | 10 | |
| | 9 | |
| ☐ ☐ | 8 | |
| ☐ ☐ | 7 | |
| ☐ ☐ | 6 | |
| ☐ ☐ | 5 | |
| ☐ ☐ | 4 | |
| ☐ ☐ | 3 | |
| ☐ ☐ | 2 | |
| ☐ ☐ | 1 | |
| | Default PI labels | **Pit ->** (Default 4ft) |

**Main Fire/Lobby Floor**

**Alt Fire Floor**

We will default to the lobby landing and the landing above for main and alternate fire floor respectively.

Note: If floor to floor Distance is not provided, Smartrise will default to 15ft per floor travel.

| | Total Hoistway Height (ft) |
|---|---|
| Car 1 | |
| Car 2 | |
| Car 3 | |
| Car 4 | |

☐ All cars same as Car 1

## Floor Openings

| Car 1 | | Car 2 | | Car 3 | | Car 4 | |
|---|---|---|---|---|---|---|---|
| F | R | F | R | F | R | F | R |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Pit | | | | | | | |

☐ All cars same as Car 1
☐ All walk-through
☐ All front
Number of floors: ☐

Note: If no opening is selected, the default will be front.

## Car Call Security

| Car 1 | | Car 2 | | Car 3 | | Car 4 | |
|---|---|---|---|---|---|---|---|
| F | R | F | R | F | R | F | R |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Pit | | | | | | | |

☐ All cars same as Car 1
☐ All walk-through
☐ All front
Number of floors: ☐

If mixed F/R, select boxes above.

Note: If nothing is selected, Smartrise will proceed with all floors.

## Hall Call Security

| Car 1 | | Car 2 | | Car 3 | | Car 4 | |
|---|---|---|---|---|---|---|---|
| F | R | F | R | F | R | F | R |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Pit | | | | | | | |

☐ All cars same as Car 1
☐ All walk-through
☐ All front
Number of floors: ☐

## Hosp

| F | R |
|---|---|
| ☐ | ☐ |
| ☐ | ☐ |
| ☐ | ☐ |
| ☐ | ☐ |
| ☐ | ☐ |
| ☐ | ☐ |
| ☐ | ☐ |
| ☐ | ☐ |
| ☐ | ☐ |
| ☐ | ☐ |
| ☐ | ☐ |
| ☐ | ☐ |
| ☐ | ☐ |
| ☐ | ☐ |
| Pit | |

F R ☐ ☐ (Default)

Walkthrough Only: Top Location of Hoistway Up/Dn Switch Car#s

____ ____ ____ ____

F R ☐ ☐ (Default)

Walkthrough Only: Bottom Location of Hoistway Up/Dn Switch Car#s

____ ____ ____ ____

## Destination Dispatch

Not Required ◯

☐ Full (All Floors)

☐ Hybrid (Kiosks/Conventional Hall Riser Combination)

(Fill out the Destination Dispatch specifics on page 9)

Notes and Special Instructions:

## Overlay with Existing Equipment

☐ Cross Registration System

When you choose one of the above, a Smartrise engineer will contact you to gather details about the existing elevator controllers.

**Important: Provide Physical Layout on Sheet 10**

# Destination Dispatch



| Floor Information | | |
|---|---|---|
| **Floor Index** | Floor Label | **Destination Dispatch Kiosks** (maximum of 8 kiosks per floor) |
| **15** | | |
| **14** | | |
| **13** | | |
| **12** | | |
| **11** | | |
| **10** | | |
| **9** | | |
| **8** | | |
| **7** | | |
| **6** | | |
| **5** | | |
| **4** | | |
| **3** | | |
| **2** | | |
| **1** | | |
| Pit | | |

| Conventional Hall Risers | | | |
|---|---|---|---|
| Car 1 | Car 2 | Car 3 | Car 4 |
| F R | F R | F R | F R |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| ☐☐ | ☐☐ | ☐☐ | ☐☐ |
| Pit | | | |

## Destination Dispatch System Access and Functionality

☐ BraXos Security System will be used to gain access to landings during a Car Call request.

☐ Landings will be accessed via Hall Kiosk Access Code Entry.

☐ Discrete Input security will be required.

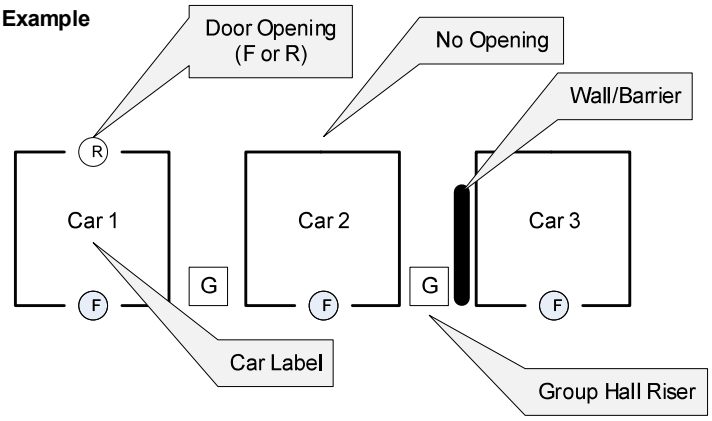
☐ Special car functions will be accessed from Kiosks:

☐ Car Recall ☐ Swing Car ☐ Hospital Service ☐ VIP Service ☐ Car Out of Service

## Special Notes and Instructions

# Elevator(s) Physical Layout

**Example**



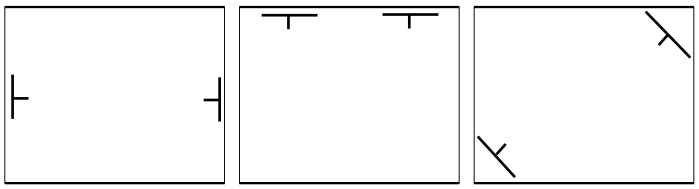

**Draw a topographical map of elevator(s) location on grid provided.**

* Accurately label each car by number/letter
* Mark openings a 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

## Hoistway Consideration

☐ (Default) ☐ ☐



### Guide Rail Option

☐ T89 (Default)
☐ T90
☐ T125
Other: _____