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AVT Lifts, LLC is a supplier of complete and partial elevator packages. We have been supplying packages to independent elevator contractors throughout North America since 2005

All of our products are non-proprietary and open-market. Below is a listing of our OEM partner suppliers. All components are manufactured to our specifications for a fully integrated elevator package.

Smartrise Controllers

Torin Machines

ALPHA Controllers

Innovation Fixtures

GAL Door Operator

Cabs: AVT Lifts & IDEC

Peelle & IDEC Door Equipment

Structural Packages: In-House

Jacks and Pump Units: EECO, ITI

The following pages provide detailed information of our various packages. Below is a summary of what we offer:

Traction and hydraulic MRL packages – to include fully integrated packages without a separate control room

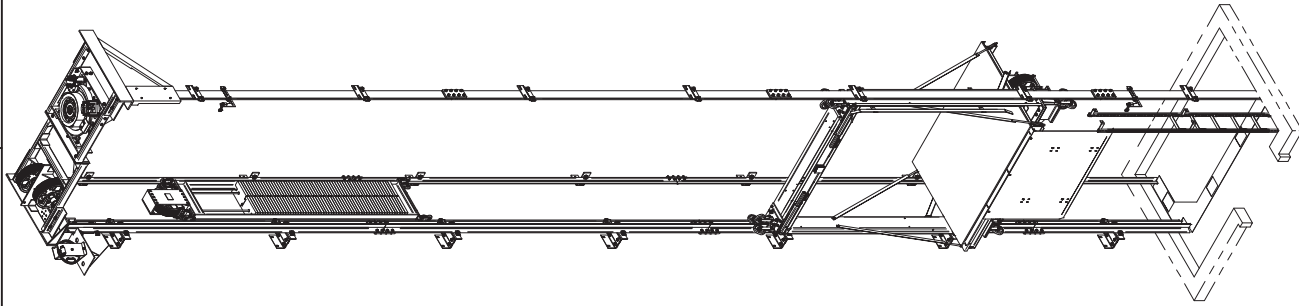
Traditional packages with machine rooms

Custom packages



AVT Lifts Product Listings

1. Traction MRL Passenger Rail Supported
2. Traction MRL Passenger Building Supported
3. Traction MRL Service Building Supported
4. Fully integrated controller
5. Hydraulic MRL Side Mounted "Slimline"
6. Hydraulic Standard Holeless with Machine Room
7. Hydraulic Standard In-Ground with Machine Room



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DRAWN BY: JM		DATE: 9/7/2018	
PART NO: NRTL-200		SCALE: 1/20	
REV		SHEET 1 OF 10	

AVT Lifts Traction MRL Rail Supported Standard Passenger Elevators

Capacity:	2100 - 3500 LBS
Maximum Floor Travel:	85'-0"
Car Speed:	150, 200 350 fpm

Minimum Pit Depths:		Minimum Clear Overhead *:
150 & 200 fpm:	5'-0"	150 fpm: 14'-0"
350 fpm:	5'-6"	200 fpm: 14'-5"
		350 fpm: 15'-2"

Capacity (lbs.)	Opening Configuration FO - Front Only FR - Front Rear	*Hoistway Size (Width x Depth)	Platform Size (Width x Depth)	Clear Inside Car Dimensions (Width x Depth)	Standard Entrance Dimensions*	Entrance Door Type *
P2100	FO	7'-8" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-4"	3'-0" x 7'0"	SSO
P2100	FR	7'-8" x 6' -8 1/2"	6'-0" x 5'-8"	5'-8" x 4'-4"	3'-0" x 7'0"	SSO
P2500	FO	8'-6" x 5'-10"	6'-10" x 5'-1"	6'-6" x 4'-4"	3'-6" x 7'0"	SSO / SCO
P2500	FR	8'-6" x 6' -8 1/2"	6'-10" x 5'-8"	6'-6" x 4'-4"	3'-6" x 7'0"	SSO / SCO
P3000	FO	8'-6" x 6'-2"	6'-10" x 5'-6"	6'-6" x 4'-9"	3'-6" x 7'0"	SSO / SCO
P3000	FR	8'-6" x 7' -1 1/2"	6'-10" x 6'-1"	6'-6" x 4'-9"	3'-6" x 7'0"	SSO / SCO
P3500	FO	8'-6" x 6'-11"	6'-10" x 6'-2"	6'-6" x 5'-5"	3'-6" x 7'0"	(1) SSO / SCO
P3500	FR	8'-6" x 7' -9 1/2"	6'-10" x 6'-9"	6'-6" x 5'-5"	3'-6" x 7'0"	(1) SSO / SCO

* Notes:

Hoistway Dimensions listed are for non-seismic zone; for seismic zone 2 and above, add 4" to hoistway width.

To improve installation efficiencies it is recommended to increase the hoistway widths 2" .

Door Types: SSO - Single Speed Side Opening; SCO - Single Speed Center Opening

2100 lb. capacity elevators are not available with Single-Speed-Center-Opening, (SCO), doors.

3500 lb. capacity elevators must have 3'-6" wide Single-Speed, Side-Opening, (SSO), to meet 84" stretcher IBC Code requirement.

Overhead dimensions are based on standard 7'9" overall cab height and 7'3" clear cab height

For clear overhead requirements in areas enforcing pre ASME A17.1- 2008 Safety Code for Elevators, contact AVT Lifts Sales Department for details

A safety/hoisting beam, which is to be provided and installed by others in the location designated on the AVT Lifts elevator shop drawings is required by OSHA 1926.502. Clear overhead is to be measured from the upper floor level finish floor height to the underside of the safety/hoisting beam.

NOTE: Custom sizes are available; contact AVT Lifts Sales Dept for information

Controller Closets for Guide Rail Supported MRL Traction Elevators

Minimum Sizes:

Simplex: 4'-4" Wide x 1'-8" Deep with (1) 3'-0" Wide x 6'-8" High Door

Duplex: 7'-0" Wide x 5'-6" Deep with (1) 3'-0" Wide x 6'-8" High Door

Duplex elevators can use (2) separate controller closets

The optimal location for the controller closet is adjacent to the hoistway at the upper floor level.

Controller closet temperature range to be a 32 F minimum - 100 F maximum. The non-condensing relative humidity levels should range between 10 - 90%

Custom sizes are available, contact the AVT Lifts Sales Department for details

AVT Lifts MRL BUILDING SUPPORTED MRL TRACTION STANDARD PASSENGER CAR ELEVATORS

Capacity:	2100 - 4000 LBS	Minimum Pit Depths:		Minimum Clear Overhead:	
Maximum Floor Travel:	300'-0"	150 & 200 fpm:	5'-0"	Speed	2100# - 3500#
Car Speed:	150,200,350 fpm	350 fpm:	5'-6"	150fpm	14'5"
				200fpm	14'10"
				350fpm	15'7"
					15'11"
					16'8"

Capacity (lbs.)	Opening Configuration FO - Front Only FR - Front Rear	Hoistway Size (Width x Depth)	Platform Size (Width x Depth)	Clear Inside Car Dimensions (Width x Depth)	Standard Entrance Width	Entrance Door Type(s)
P2100	FO	7'-8" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-4"	3'-0" x 7'0"	SSO
P2100	FR	7'-8" x 6' -8 1/2"	6'-0" x 5'-8"	5'-8" x 4'-4"	3'-0" x 7'0"	SSO
P2500	FO	8'-6" x 5'-10"	6'-10" x 5'-1"	6'-6" x 4'-4"	3'-6" x 7'0"	SSO / SCO
P2500	FR	8'-6" x 6' -8 1/2"	6'-10" x 5'-8"	6'-6" x 4'-4"	3'-6" x 7'0"	SSO / SCO
P3000	FO	8'-6" x 6'-2"	6'-10" x 5'-6"	6'-6" x 4'-9"	3'-6" x 7'0"	SSO / SCO
P3000	FR	8'-6" x 7' -1 1/2"	6'-10" x 6'-1"	6'-6" x 4'-9"	3'-6" x 7'0"	SSO / SCO
(1) P3500	FO	8'-6" x 6'-11"	6'-10" x 6'-2"	6'-6" x 5'-5"	3'-6" x 7'0"	SSO / SCO
(1) P3500	FR	8'-6" x 7' -9 1/2"	6'-10" x 6'-9"	6'-6" x 5'-5"	3'-6" x 7'0"	SSO / SCO
(1) P4000	FO	9'-6" x 6'-11"	7'-10" x 6'-2"	7'-6" x 5'-5"	3'-6" / 4'-0" x 7'0"	SSO / SCO
(1) P4000	FR	9'-6" x 7' -9 1/2"	7'-10" x 6'-9"	7'-6" x 5'-5"	3'-6" / 4'-0" x 7'0"	SSO / SCO

*Notes:

Hoistway Dimensions listed are for non-seismic zone; for seismic zone 2 and above, add 4" to hoistway width.

To improve installation efficiencies it is recommended to increase the hoistway widths 2" .

Custom sizes are available, contact the AVT Lifts Sales Department for details

Door Types: SSO - Single Speed Side Opening; SCO - Single Speed Center Opening
2100 lb. capacity elevators are not available with Single-Speed-Center-Opening, (SCO), doors.
(1) 3500 lb. capacity elevators must have 3'-6" wide Single-Speed, Side-Opening, (SSO), to meet 84" stretcher IBC Code requirement.
A 4000# passenger elevator must have 42" single slide or 48" center opening doors to meet stretcher requirements.

Overhead dimensions are based on standard 7'9" overall cab height and 7'3" clear cab height
For clear overhead requirements in areas enforcing pre ASME A17.1- 2008 Safety Code for Elevators,
contact AVT Lifts Sales Department for details

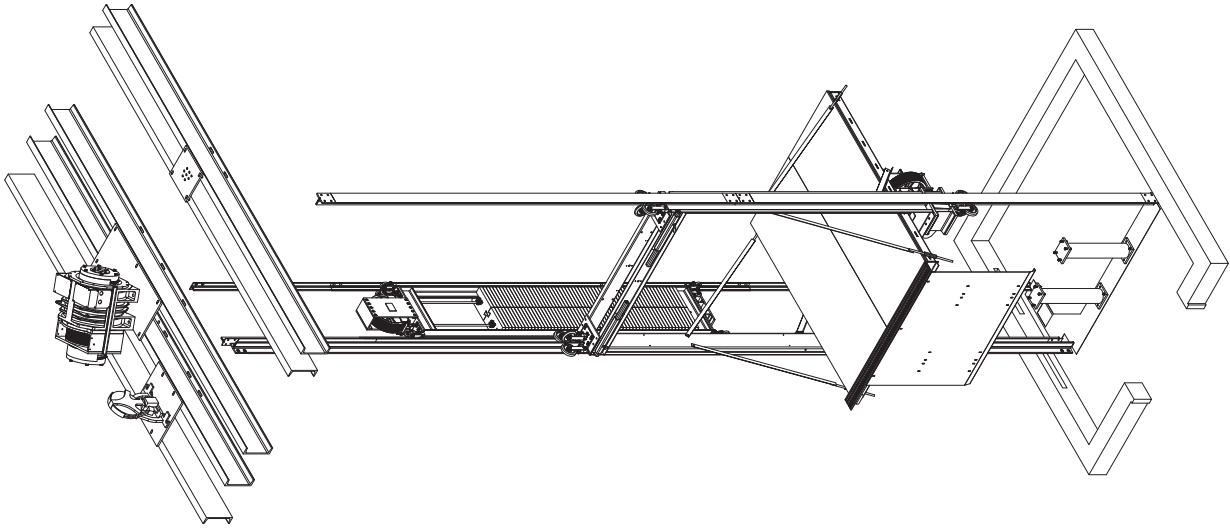
A safety/hoisting beam, which is to be provided and installed by others in the location designated on the AVT Lifts elevator shop drawings is required by OSHA 1926.502. Clear overhead is to be measured from the upper floor level finish floor height to the underside of the safety/hoisting beam.

Controller Closets for Guide Building Supported MRL Traction Elevators

Minimum Sizes	Simplex: 4'-4" Wide x 1'-8" Deep with (1) 3'-0" Wide x 6'-8" High Door Duplex: 7'-0" Wide x 5'-6" Deep with (1) 3'-0" Wide x 6'-8" High Door
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The optimal location for the controller closet is adjacent to the hoistway at the upper floor level. Controller closet can be located remotely and at different floor levels for an additional cost. Contact AVT Lifts Sales Department for more details

Controller closet temperature range to be a 32 F minimum - 100 F maximum. The non-condensing relative humidity levels should range between 10 - 90%



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AVT LIFTS, LLC 1937 W. DUMESNIL ST. LOUISIANA, LA 70003 (504) 704-4657		BUILDING SUPPORTED SERVICE MRL	
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DATE:		SCALE: N/A	
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BUILDING SUPPORTED MRL TRACTION SERVICE CAR ELEVATORS

Capacity:	3500 - 5000 LBS		Minimum Pit Depths:	Minimum Clear Overhead:
Maximum Floor Travel:	300'-0"		150 & 200 fpm: 5'-0"	150 fpm: 15'-6"
Car Speed:	150, 200 & 350 FPM		350 fpm: 5'-6"	200 fpm: 15'-11"
				350 fpm: 16'-8"

Capacity (lbs.)	Opening Configuration FO - Front Only FR - Front Rear	Hoistway Size (Width x Depth)	Platform Size (Width x Depth)	Clear Inside Car Dimensions (Width x Depth)	Standard Entrance Dimensions	Entrance Door Type(s)
S3500	FO	8'-2" x 8'-7 1/2"	5'-10" x 7'-9 1/2"	5'-6" x 6'-9 1/2"	4'-0" x 7'-0"	TSO
S3500	FR	8'-2" x 9'-8"	5'-10" x 8'-4 1/2"	5'-6" x 6'-9 1/2"	4'-0" x 7'-0"	TSO
S4000	FO	8'-2" x 9'-0 1/2"	5'-10" x 8'-2 1/2"	5'-6" x 7'-3"	4'-0" x 7'-0"	TSO
S4000	FR	8'-2" x 10'-1 1/2"	5'-10" x 8'-10"	5'-6" x 7'-3"	4'-0" x 7'-0"	TSO
S4500	FO	8'-2" x 9'-8"	5'-10" x 8'-10 1/2"	5'-6" x 7'-11"	4'-0" x 7'-0"	TSO
S4500	FR	8'-2" x 10'-9"	5'-10" x 9'-5 1/2"	5'-6" x 7'-11"	4'-0" x 7'-0"	TSO
S5000	FO	8'-2" x 10'-2 1/2"	5'-10" x 9'-4 1/2"	5'-6" x 8'-5"	4'-0" x 7'-0"	TSO
S5000	FR	8'-2" x 11'-3 1/2"	5'-10" x 10'-0"	5'-6" x 8'-5"	4'-0" x 7'-0"	TSO

Hoistway Dimensions listed are for non-seismic zone; for seismic zone 2 and above, add 4" to hoistway width.
To improve installation efficiencies it is recommended to increase the hoistway widths 2" .

Door Types: TSO - Two-Speed, Side Opening, (Right-Hand or Left-Hand)

Overhead dimensions are based on standard 7'-9" overall cab height and 7'-3" clear cab height

For clear overhead requirements in areas enforcing pre ASME A17.1- 2008 Safety Code for Elevators, contact AVT Lifts Sales Department for details

A safety/hoisting beam, which is to be provided and installed by others in the location designated on the AVT Lifts elevator shop drawings are required by OSHA 1926.502. Clear overhead is to be measured from the upper floor level finish floor height to the underside of the safety/hoisting beam.

Controller Closets for Guide Building Supported MRL Traction Elevators

Minimum Sizes

Simplex: 4'-4" Wide x 1'-8" Deep with (1) 3'-0" Wide x 6'-8" High Door
Duplex: 7'-0" Wide x 5'-6" Deep with (1) 3'-0" Wide x 6'-8" High Door

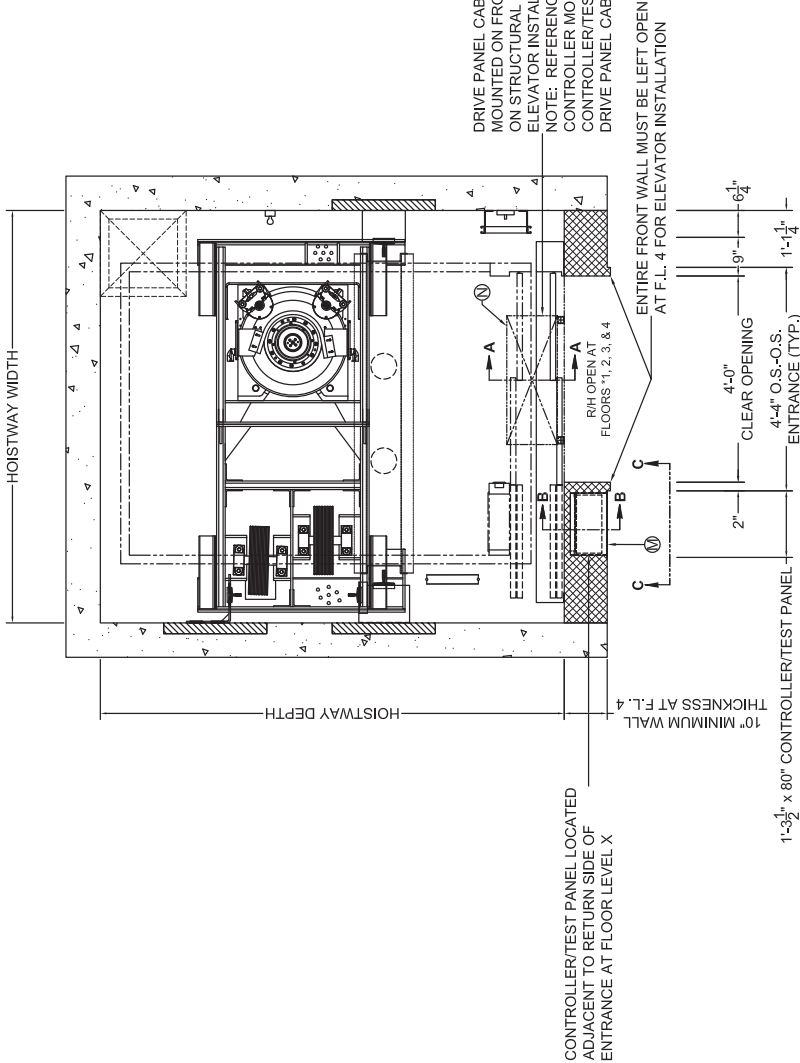
The optimal location for the controller closet is adjacent to the hoistway at the upper floor level. Controller closet can be located remotely and at different floor levels for an additional cost. Contact AVT Lifts Sales Department for more details

Controller closet temperature range to be a 32 F minimum - 100 F maximum. The non-condensing relative humidity levels should range between 10 - 90%

NOTE:

CONTRACTOR(S) OTHER THAN ELEVATOR INSTALLER TO PROVIDE THE FOLLOWING ITEMS TO THE CONTROLLER/TEST PANEL CABINET IN FLOOR LEVEL 4 RETURN WALL:

- 3-PHASE MAIN ELEVATOR POWER
- 1-PHASE ELEVATOR CAB LIGHT POWER
- SMOKE DETECTOR WIRING
- TELEPHONE LINE



PLAN VIEW
(AT UPPER FLOOR LEVEL)
3500 LB., FRONT-OPENING,
150 FPM SERVICE CAR

MRL OVERHEAD CONTROLLER/DRIVE LAYOUT -I-

REVISION:-

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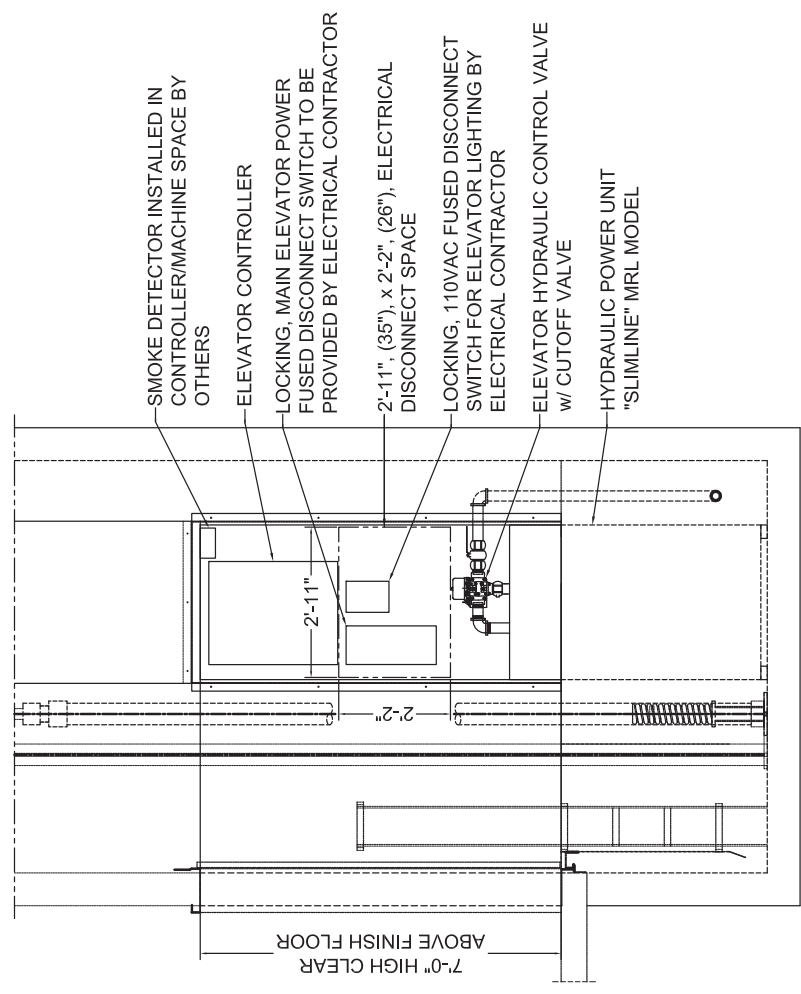
PROJECT:

LOCATION:

ELEVATOR CONTR.:

DRAWN BY: XXX DATE: XX/XX/20XX SCALE: N/A

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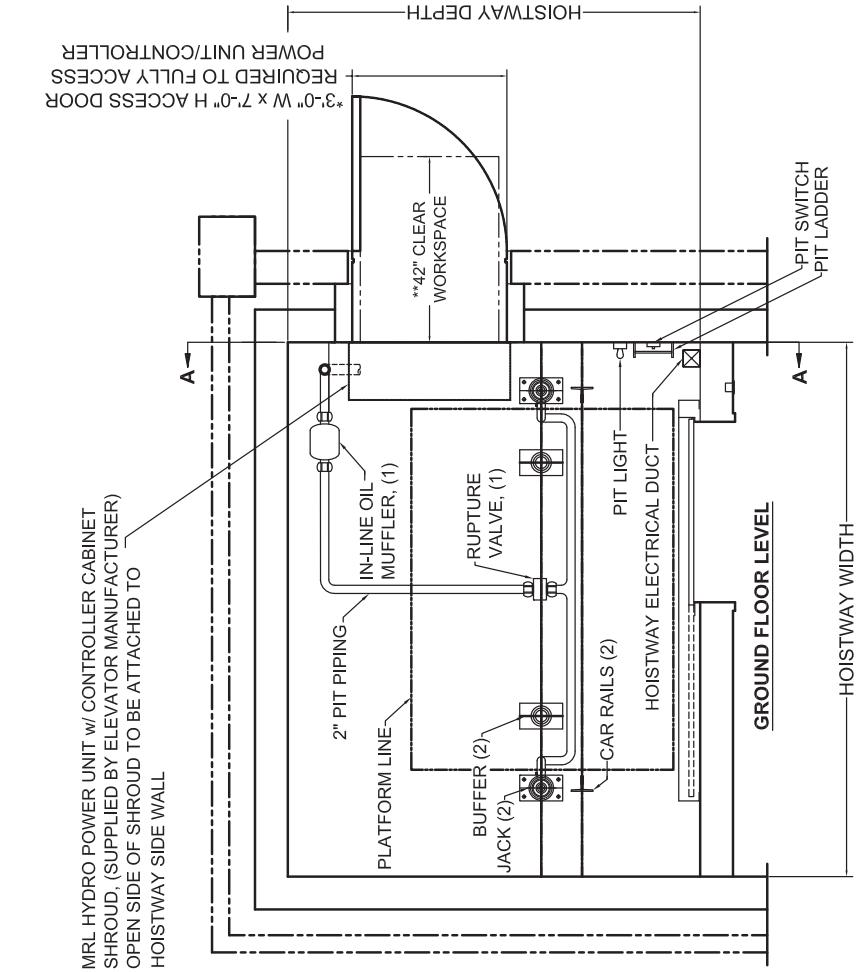
SECTION "AA"

CONTRACTOR(S) OTHER THAN THE ELEVATOR INSTALLER TO PROVIDE THE FOLLOWING ITEMS TO THE CONTROLLER/MACHINE ROOM SPACE:

- 3-PHASE MAIN ELEVATOR POWER
- 1-PHASE ELEVATOR CAB LIGHTING POWER
- (1) PHONE LINE
- SMOKE DETECTOR WIRING

REVISION: -

AVT LIFTS, LLC 937 W. DUMESNIL LOUISVILLE, KY. 40203	
PROJECT:	Hydraulic MRL Slimline
LOCATION:	
ELEVATOR CONTRACTOR:	
DRAWN BY: XXX	DATE: XX/XX/20XX
SCALE: N/A	PAGE: X



POWER UNIT /CONTROLLER MACHINE ROOM ARRANGEMENT

XX00 LB FRONT-SINGLE-SPEED-SIDE-OPENING, XXX FPM, MRL HYDRAULIC PASSENGER CAR ELEVATOR w/ CONTROLLER & POWER UNIT SIDE WALL ACCESS

*NOTE: POWER UNIT/CONTROLLER CLOSET PER CODE IS A MACHINE ROOM AND MUST MEET THE SAME ASME A17-1 ELEVATOR SAFETY CODE REQUIREMENTS FOR A MACHINE ROOM/CONTROLLER SPACE. THIS INCLUDES THE REQUIREMENT FOR AN ACCESS DOOR PER ASME A17-1.2013, 2.7.3.4.6, WHICH STATES; "ACCESS OPENINGS LOCATED IN THE MACHINERY SPACE FLOOR, SECONDARY LEVEL FLOOR, CONTROL SPACE FLOOR, OR CONTROL ROOM FLOOR WITH ACCESS INTO HOISTWAY SHALL BE PROVIDED WITH DOORS THAT SHALL BE KEPT CLOSED AND LOCKED. KEY TO ACCESS DOORS SHALL BE GROUP 1 SECURITY. IN ADDITION ON BUILDINGS WITH CODES REQUIRING FIRE-RESISTANT CONSTRUCTION ASME-A17.1-2013; 2.7.1.1.2 STATES; "OPENINGS IN MACHINE/CONTROL ROOM SPACES SHALL BE PROTECTED BY ACCESS DOORS HAVING A FIRE PROTECTION RATING CONFORMING TO THE REQUIREMENTS OF THE BUILDING CODE".

AVT LIFTS HYDRAULIC MRL "SLIMLINE" MODEL R3 with Dual Holeless Jacks

	Maximum floor travels
Single Stage Jacks	12'8" with 4'0" pit depth and 12'6" overhead
	13'8" with 5'0"pit and 12'6" overhead
Telescoping Jacks	24'0" with 4'0" pit and 12'8" overhead
	26'0" with 5'0" pit and 12'8" overhead

PASSENGER CARS						
Capacity, (lbs.)	Opening Configuration FO - Front Only FR - Front Rear	1-Stage & 2-Stage Hoistway Size (Width x Depth)	Platform Size Dimensions	Clear Inside Car Dimensions	Standard Entrance Width Dimensions	Entrance Door Type(s)
(2) P2100	FO	8'-2" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-4"	3'-0" x 7'0"	SSO
(2) P2100	FR	8'-2" x 6' -8 1/2"	6'-0" x 5'-8"	5'-8" x 4'-4"	3'-0" x 7'0"	SSO
P2500	FO	9'-2" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-4"	3'-6" x 7'0"	SSO / SCO
P2500	FR	9'-2" x 6' -8 1/2"	7'-0" x 5'-8"	6'-8" x 4'-4"	3'-6" x 7'0"	SSO / SCO
P3000	FO	9'-2" x 6'-2"	7'-0" x 5'-6"	6'-8" x 4'-9"	3'-6" x 7'0"	SSO / SCO
P3000	FR	9'-2" x 7' -1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-9"	3'-6" x 7'0"	SSO / SCO
(3) P3500	FO	9'-2" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-5"	3'-6" x 7'0"	SSO / SCO
(3) P3500	FR	9'-2" x 7' -9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-5"	3'-6" x 7'0"	SSO / SCO
(3) P4000	FO	10'-2" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-5"	3'-6" / 4'-0" x 7'0"	SSO / SCO
(3) P4000	FR	10'-2" x 7' -9 1/2"	8'-0" x 6'-9"	7'-8" x 5'-5"	3'-6" / 4'-0" x 7'0"	SSO / SCO

SERVICE CARS						
Capacity, (lbs.)	Opening Configuration FO-Front Only FR - Front Rear	1-Stage & 2-Stage Hoistway Size (Width x Depth) "A" x "B"	Platform Size (Width x Depth) "C" x "D"	Clear Inside Car Dimensions (Width x Depth) "E" x "F"	Standard Entrance Dimensions	Entrance Door Type(s)
S3500	FO	8'-2" x 8'-7 1/2"	6'-0" x 7'-9 1/2"	5'-8" x 6'-9 1/2"	4'-0" x 7'0"	TSO
S3500	FR	8'-2" x 9'-8"	6'-0" x 8'-4 1/2"	5'-8" x 6'-9 1/2"	4'-0" x 7'0"	TSO
S4000	FO	8'-2" x 9'-0 1/2"	6'-0" x 8'-2 1/2"	5'-8" x 7'-3"	4'-0" x 7'0"	TSO
S4000	FR	8'-2" x 10'-1 1/2"	6'-0" x 8'-10"	5'-8" x 7'-3"	4'-0" x 7'0"	TSO
S4500	FO	8'-2" x 9'-8"	6'-0" x 8'-10 1/2"	5'-8" x 7'-11"	4'-0" x 7'0"	TSO
S4500	FR	8'-2" x 10'-9"	6'-0" x 9'-5 1/2"	5'-8" x 7'-11"	4'-0" x 7'0"	TSO
S5000	FO	8'-2" x 10'-2 1/2"	6'-0" x 9'-4 1/2"	5'-8" x 8'-5"	4'-0" x 7'0"	TSO
S5000	FR	8'-2" x 11'-3 1/2"	6'-0" x 10'-0"	5'-8" x 8'-5"	4'-0" x 7'0"	TSO

NOTES:

Standard overall cab height is 8'0" with 7'6" clear to drop ceiling; optional cab heights are available

Controller/Power Unit closet access door must be a minimum of 3'-0" Wide x 7'-0" high. Door to be provided by others.

Controller space temperature range to be 32 F minimum - 100 F maximum with non-condensing relative humidity range of 10-90%.

Dimensions shown on chart above are for standard non seismic zone only per ASME A17.1 and CSA B44; for seismic zones 2 and above, add 2" to hoistway width.

Door Types

SSO - Single-Speed, Side Opening, (Right-Hand or Left-Hand)
SCO - Single-Speed, Center-Opening

TSO - Two-Speed, Side Opening, (Right-hand or Left-hand)

2100 lb. capacity elevators are not available with Single-Speed-Center-Opening, (SCO), doors.

3500 lb. capacity elevators must have 3'-6" wide Single-Speed, Side-Opening, (SSO), to meet 84" stretcher IBC Code requirement.

4000 lb. capacity elevators must have with a 4'-0" Center-Opening, (SCO) or 3'-6" wide Side-Opening, (SSO), doors to meet the 84" stretcher

IBC code requirement.

Safety/hoisting beam provided and installed by others in the location designated on the AVT Lifts elevator shop drawings is required by OSHA 1926.502. Clear overhead is to be measured from the upper floor level finish floor height to the underside of the safety/hoisting beam.

AVT Lifts Hydraulic Dual Holeless with Standard Machine Room R4

Max Floor Travels		Pit Depth	Overhead	Up to 100 fpm	Over 100 fpm
1-Stage Jacks:	12'-8"	4'0"	1-Stage	12'-3"	12'-6"
2-Stage Jacks:	23'-6"	4'0"	2-Stage	12'-6"	12'-6"
3-Stage Jacks:	33'-6"	4'0"	3-Stage	13'-0"	13'-0"

Available Car Speeds: 100, 125, 150

PASSENGER CARS							
Capacity (lbs.)	Opening Configuration FO - Front Only FR - Front Rear	1-Stage & 2-Stage Hoistway Size (Width x Depth)	3-Stage Hoistway Size (Width x Depth)	Platform Size (Width x Depth)	Clear Inside Car Dimensions (Width x Depth)	Standard Entrance Dimensions	Entrance Door Type(s)
P2100	FO	7'-4" x 5'-10"	7'-8" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-4"	3'-0" x 7'0"	SSO
P2100	FR	7'-4" x 6'-8 1/2"	7'-8" x 6'-8"	6'-0" x 5'-8 1/2"	5'-8" x 4'-4"	3'-0" x 7'0"	SSO
P2500	FO	8'-4" x 5'-10"	8'-8" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-4"	3'-6" x 7'0"	SSO / SCO
P2500	FR	8'-4" x 6'-8 1/2"	8'-8" x 6'-8"	7'-0" x 5'-8 1/2"	6'-8" x 4'-4"	3'-6" x 7'0"	SSO / SCO
P3000	FO	8'-4" x 6'-2"	8'-8" x 6'-2"	7'-0" x 5'-6"	6'-8" x 4'-9"	3'-6" x 7'0"	SSO / SCO
P3000	FR	8'-4" x 7'-1 1/2"	8'-8" x 7'-1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-9"	3'-6" x 7'0"	SSO / SCO
(1) P3500	FO	8'-4" x 6'-11"	8'-8" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-5"	3'-6" x 7'0"	SSO / SCO
(1) P3500	FR	8'-4" x 7'-9 1/2"	8'-8" x 7'-9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-5"	3'-6" x 7'0"	SSO / SCO
(1) P4000	FO	9'-4" x 6'-11"	9'-8" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-5"	3'-6"/4'-0" x 7'0"	SSO / SCO
(1) P4000	FR	9'-4" x 7'-9 1/2"	9'-8" x 7'-9 1/2"	8'-0" x 6'-9"	7'-8" x 5'-5"	3'-6"/4'-0" x 7'0"	SSO / SCO

SERVICE CARS							
Capacity (lbs.)	Opening Configuration FO - Front Only FR - Front Rear	1-Stage & 2-Stage Hoistway Size (Width x Depth)	3-Stage Hoistway Size (Width x Depth)	Platform Size (Width x Depth)	Clear Inside Car Dimensions (Width x Depth)	Standard Entrance Width	Entrance Door Type(s)
S3500	FO	7'-4" x 8'-7 1/2"	7'-8" x 8'-7 1/2"	6'-0" x 7'-9 1/2"	5'-8" x 6'-9 1/2"	4'-0" x 7'0"	TSO
S3500	FR	7'-4" x 9'-8"	7'-8" x 9'-8"	6'-0" x 8'-4 1/2"	5'-8" x 6'-9 1/2"	4'-0" x 7'0"	TSO
S4000	FO	7'-4" x 9'-0 1/2"	7'-8" x 9'-0 1/2"	6'-0" x 8'-2 1/2"	5'-8" x 7'-3"	4'-0" x 7'0"	TSO
S4000	FR	7'-4" x 10'-1 1/2"	7'-8" x 10'-1 1/2"	6'-0" x 8'-10"	5'-8" x 7'-3"	4'-0" x 7'0"	TSO
S4500	FO	7'-4" x 9'-8"	7'-8" x 9'-8"	6'-0" x 8'-10 1/2"	5'-8" x 7'-11"	4'-0" x 7'0"	TSO
S4500	FR	7'-4" x 10'-9"	7'-8" x 10'-9"	6'-0" x 9'-5 1/2"	5'-8" x 7'-11"	4'-0" x 7'0"	TSO
S5000	FO	7'-4" x 10'-2 1/2"	7'-8" x 10'-2 1/2"	6'-0" x 9'-4 1/2"	5'-8" x 8'-5"	4'-0" x 7'0"	TSO
S5000	FR	7'-4" x 11'-3 1/2"	7'-8" x 11'-3 1/2"	6'-0" x 10'-0"	5'-8" x 8'-5"	4'-0" x 7'0"	TSO

***Notes:**

Dimensions shown on chart above are for standard non seismic zone only per ASME A17.1 and CSA B44. For seismic zone 2+ add 2" to hoistway width. Overhead dimensions are based on standard 8'0" overall cab heights and 7'6" inside clear

Extended floor travels are available with additional pit and/or overhead dimensions. Contact AVT Lifts Sales Department for details

Door Types: SSO - Single Speed Side Opening; SCO - Single Speed Center Opening

2100 lb. capacity elevators are not available with Single-Speed-Center-Opening, (SCO), doors.

3500 lb. capacity elevators must have 3'-6" wide Single-Speed, Side-Opening, (SSO), to meet 84" stretcher IBC Code requirement.

4000# capacity elevators must have either 4'0" wide center opening doors or 3'6" wide SSO doors to meet the 84" stretcher IBC code requirement.

A safety/hoisting beam, which is to be provided and installed by others in the location designated on the AVT Lifts elevator shop drawings is required by OSHA 1926.502. Clear overhead is to be measured from the upper floor level finish floor height to the underside of the safety/hoisting beam.

Machine Room Sizing for Holeless Hydraulic Elevators with Submersible Power Unit

Single Car Elevator: Submersible Power Unit: 7'-0" x 7'-0" w/ Minimum 3'-6" Wide x 6'-8" High Door

Dual Car Elevator: Submersible Power Unit: 10'-6" x 10'-6" w/ Minimum 3'-6" Wide x 6'-8" High Door

All machine rooms must have a clear floor to ceiling height of 7'-6"

Machine room temperature range to be a 32 F minimum - 100 F maximum. The non-condensing relative humidity levels should range between 10-90%.

AVT Lifts Hydraulic In-Ground Elevators

Capacity 2100 - 4000 LBS
 Maximum Floor Travel: 60'-0"
 Minimum Pit Depth: 4'0"
 Minimum Clear up to 100fpm - 12'1"; over 100fpm - 12'4"
 Overhead: Available Car 80, 100, 125 & 150
 Speeds:

Passenger Cars In-Ground						
Capacity (lbs.)	Opening Configuration FO - Front Only FR - Front Rear	Hoistway Size (Width x Depth)	Platform Size (Width x Depth)	Clear Inside Car Dimensions (Width x Depth)	Standard Entrance Width	Entrance Door Type(s)
P2100	FO	7'-4" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-4"	3'-0" x 7'0"	SSO
P2100	FR	7'-4" x 6' -8 1/2"	6'-0" x 5'-8"	5'-8" x 4'-4"	3'-0" x 7'0"	SSO
P2500	FO	8'-4" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-4"	3'-6" x 7'0"	SSO / SCO
P2500	FR	8'-4" x 6' -8 1/2"	7'-0" x 5'-8"	6'-8" x 4'-4"	3'-6" x 7'0"	SSO / SCO
P3000	FO	8'-4" x 6'-2"	7'-0" x 5'-6"	6'-8" x 4'-9"	3'-6" x 7'0"	SSO / SCO
P3000	FR	8'-4" x 7' -1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-9"	3'-6" x 7'0"	SSO / SCO
(1) P3500P	FO	8'-4" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-5"	3'-6" x 7'0"	SSO / SCO
(1) P3500P	FR	8'-4" x 7' -9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-5"	3'-6" x 7'0"	SSO / SCO
(1) P4000P	FO	9'-4" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-5"	3'-6"/4'-0" x 7'0"	SSO / SCO
(1) P4000P	FR	9'-4" x 7' -9 1/2"	8'-0" x 6'-9"	7'-8" x 5'-5"	3'-6"/4'-0" x 7'0"	SSO / SCO

Service Cars In-Ground						
Capacity (lbs.)	Opening Configuration FO - Front Only FR - Front Rear	Hoistway Size (Width x Depth)	Platform Size (Width x Depth)	Clear Inside Car Dimensions (Width x Depth)	Standard Entrance Dimensions	Entrance Door Type(s)
S3500S	FO	7'-4" x 8'-7 1/2"	6'-0" x 7'-9 1/2"	5'-8" x 6'-9 1/2"	4'-0" x 7'0"	TSO
S3500S	FR	7'-4" x 9'-8"	6'-0" x 8'-4 1/2"	5'-8" x 6'-9 1/2"	4'-0" x 7'0"	TSO
S4000S	FO	7'-4" x 9'-0 1/2"	6'-0" x 8'-2 1/2"	5'-8" x 7'-3"	4'-0" x 7'0"	TSO
S4000S	FR	7'-4" x 10'-1 1/2"	6'-0" x 8'-10"	5'-8" x 7'-3"	4'-0" x 7'0"	TSO
S4500	FO	7'-4" x 9'-8"	6'-0" x 8'-10 1/2"	5'-8" x 7'-11"	4'-0" x 7'0"	TSO
S4500	FR	7'-4" x 10'-9"	6'-0" x 9'-5 1/2"	5'-8" x 7'-11"	4'-0" x 7'0"	TSO
S5000	FO	7'-4" x 10'-2 1/2"	6'-0" x 9'-4 1/2"	5'-8" x 8'-5"	4'-0" x 7'0"	TSO
S5000	FR	7'-4" x 11'-3 1/2"	6'-0" x 10'-0"	5'-8" x 8'-5"	4'-0" x 7'0"	TSO

***Notes:**

Dimensions shown on chart above are for standard non seismic zone only per ASME A17.1 and CSA B44. For seismic zone 2+ add 2" to hoistway width.

Overhead dimensions are based on standard 8'0" overall cab heights and 7'6" inside clear

Extended floor travels are available with additional pit and/or overhead dimensions. Contact AVT Lifts Sales Department for details

Door Types: SSO - Single Speed Side Opening; SCO - Single Speed Center Opening

2100 lb. capacity elevators are not available with Single-Speed-Center-Opening, (SCO), doors.

3500P lb. capacity elevators must have 3'-6" wide Single-Speed, Side-Opening, (SSO), to meet 84" stretcher IBC Code requirement.

4000P# capacity elevators must have either 4'0" wide center opening doors or 3'6" wide SSO doors to meet the 84" stretcher IBC code requirement.

A safety/hoisting beam, which is to be provided and installed by others in the location designated on the AVT Lifts elevator shop drawings is required by OSHA 1926.502. Clear overhead is to be measured from the upper floor level finish floor height to the underside of the safety/hoisting beam.

Machine Room Sizing for In-Ground Jack Hydraulic Elevators

Single Car Elevator: Submersible Power Unit: 7'-0" x 7'-0" w/ Minimum 3'-6" Wide x 6'-8" High Door

Dual Car Elevator: Submersible Power Unit: 10'-6" x 10'-6" w/ Minimum 3'-6" Wide x 6'-8" High Door

Notes:

All machine rooms must have a clear floor to ceiling height of 7'-6"

Machine room temperature range to be a 32 F minimum - 100 F maximum. The non-condensing relative humidity levels should range between 10-90%.