

CONSULTANTS

CIVIL/LANDSCAPE ARCHITECT
 Sebago Technics
 75 John Roberts Road, Suite
 1A, South Portland ME 04106

STRUCTURAL/ENR/BUILDING ENVELOPE CONSULTANT
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 41 Sevon Street, Building 1, Suite 500,
 Waltham MA 02453

MERFP ENGINEER CODE
 AKF Group LLC
 99 Bedford Street, 2nd Floor, Boston MA 02111

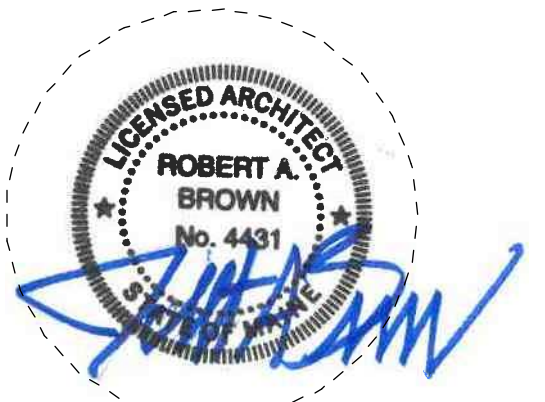
CONSTRUCTION MANAGER
 Turner Construction
 2 Seaport Lane, Suite 200, Boston MA 02210

ELEVATOR CONSULTANT
 VDA (Van Dusen & Associates)
 101 Summer Street, 4th Floor, Boston MA
 02110

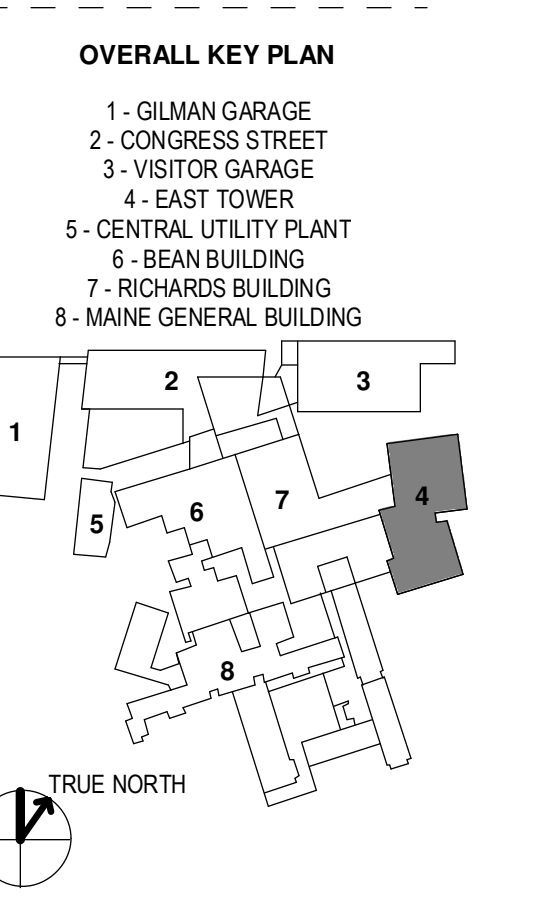
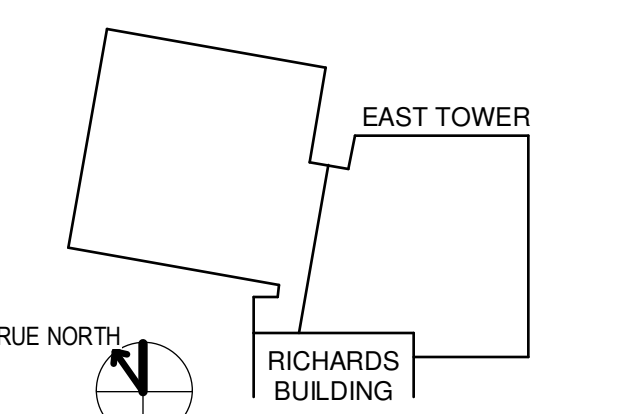
COST ESTIMATOR
 D. G. Jones International
 3 Baldwin Green Common, Suite 202, Woburn MA 01801

PROJECT TITLE

**East Tower 6 & 7
 Addition**
 22 Bramhall Street
 Portland ME 04102



KEY PLANS



CONSTRUCTION DOCUMENTS
 JANUARY 26, 2018

NO	ISSUE	DATE
1	ADDENDUM NO. 1	3/22/18
NO	ISSUE	DATE

Job Number: 152181.000
 Drawn: TEAM
 Checked: VDA
 Approved: VDA

TITLE
ELEVATOR DETAILS

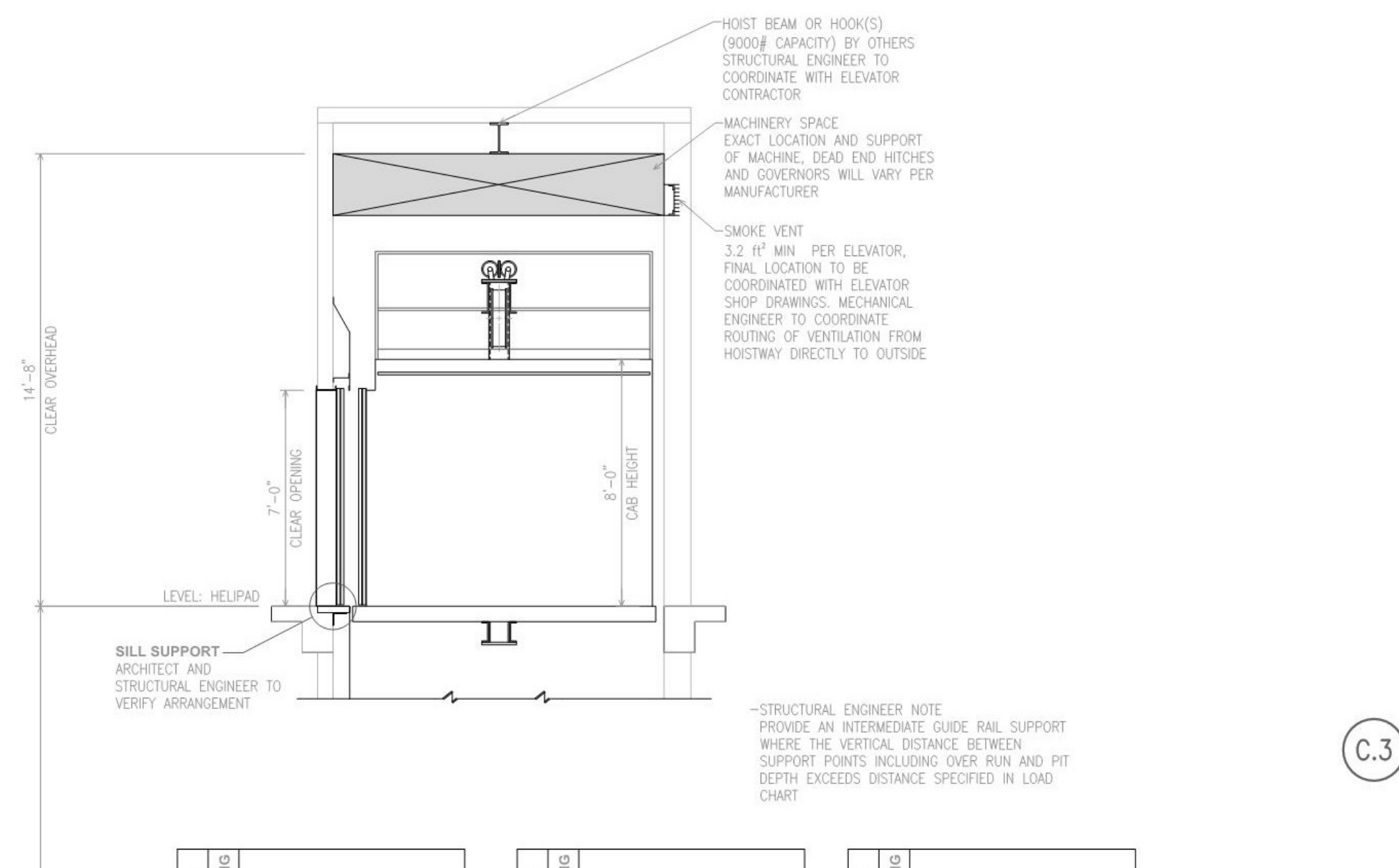
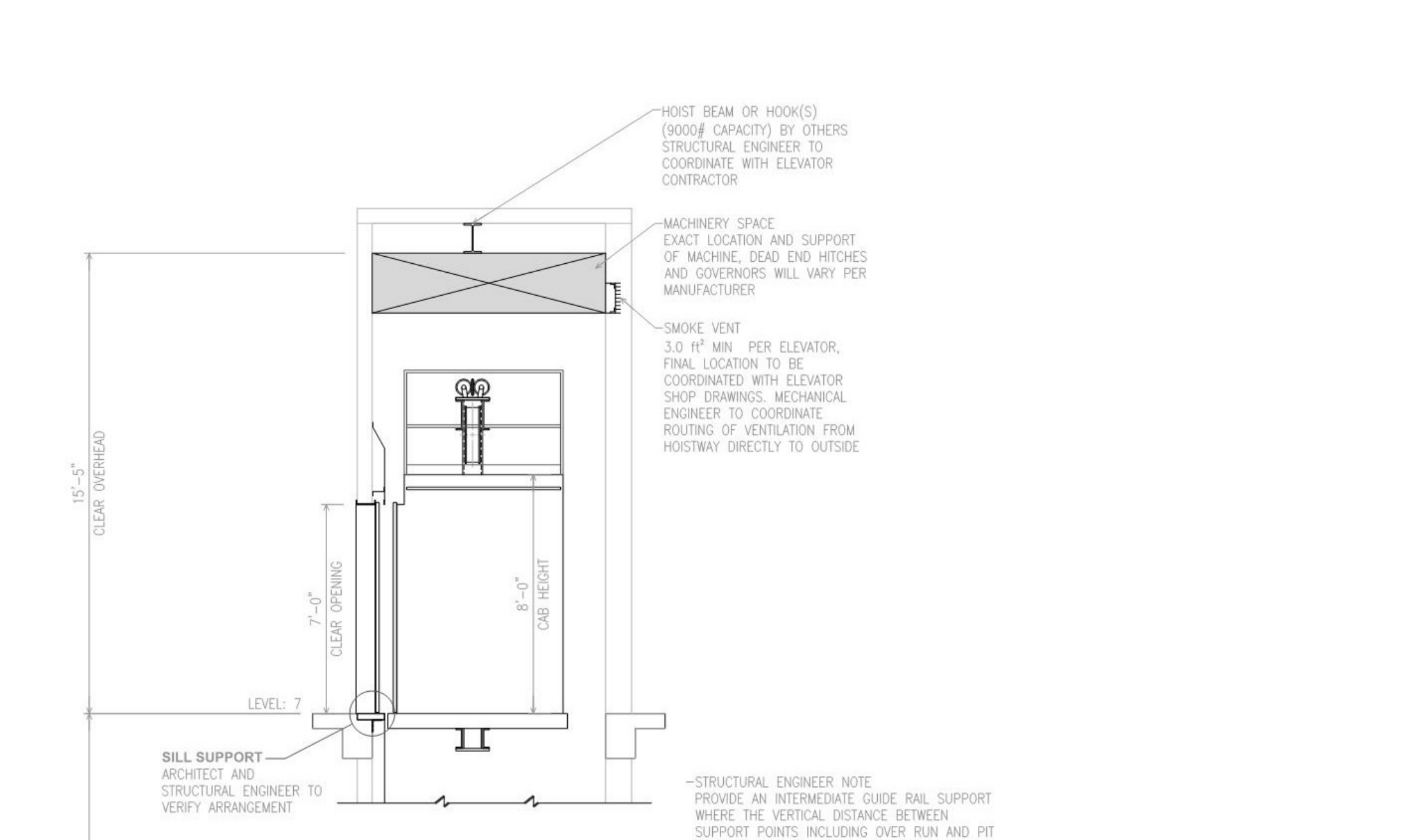
SHEET NUMBER
VT-01

- NOTES:**
- WHERE ELEVATOR HOISTING MACHINE IS SUPPORTED FROM AN OVERHEAD BUILDING STRUCTURE, THE TOTAL ELEVATOR LOAD, INCLUDING THE LOADS (DOUBLE FOR IMPACT) SHALL NOT EXCEED 70K (ELEV. 30, 31, 32) AND 57.2K (ELEV. 33, 34, & NEW) SINCE THE LOCATION OF THE SUPPORT BEAMS AND STRUCTURAL LOAD DISTRIBUTION VARY PER MANUFACTURER. COORDINATE THE SUPPORT REQUIREMENTS WITH THE ELEVATOR SHOP DRAWINGS.
 - WHERE ELEVATOR HOISTING MACHINE IS SUPPORTED FROM CURB AND COUNTERWEIGHT GUIDE RAILS AND LOADS ARE BROUGHT DOWN TO PIT FLOOR, THE TOTAL ELEVATOR LOAD WILL BE AS SHOWN ON THESE DRAWINGS. SINCE THE LOCATION OF THE GUIDE RAILS AND STRUCTURAL LOADS VARY BY MANUFACTURER, COORDINATE THE SUPPORT REQUIREMENTS WITH THE ELEVATOR SHOP DRAWINGS.
 - THE LOCATION AND LIFTING CAPACITY OF THE HOISTING MACHINE BEAM USED FOR INSTALLATION AND MAINTENANCE OF THE ELEVATOR VARY PER MANUFACTURER. MAXIMUM LIFTING CAPACITY OF A BEAM IS 8000 LBS AND CAN BE CONSIDERED AS A POINT LOAD LOCATED APPROXIMATELY IN THE CENTER OF THE ELEVATOR SHaft. COORDINATE THE LOCATION AND LIFTING REQUIREMENTS OF THESE STRUCTURAL MEMBERS WITH THE ELEVATOR SHOP DRAWINGS.
 - SPECIAL DESIGN AND/OR COUNTERWEIGHT SAFETIES WILL INCREASE HOISTWAY DIMENSIONS AND PIT DEPTH.
 - DIMENSIONS ANNOTATED WITH AN ASTERISK (*) VARY PER MANUFACTURER.

PIT AND RAIL LOADS 30-32, 33,34,NEW

SECTION	30-32	33,34,NEW
CLASS LOADING RATING	A	A
RAIL WEIGHT/FOOT	15	15
CURB BUFFER REACTION ***	A * 67.8 K * 53.3 K	A * 56.1 K * 45.2 K
DWT BUFFER REACTION ***	B * 2800 # * 2000 #	B * 2800 # * 2000 #
WEIGHT ONE STACK CURB RAIL	2250 #	1600 #
WEIGHT ONE STACK CURB RAIL	35.4 K * 28.4 K	25.4 K * 19.5 K
RAIL	F50 * 15.7 K * 15.7 K	F50 * 15.7 K * 15.7 K
NORMAL FORCES	R1 * 1000 # * 800 #	R2 * 600 # * 300 #
SAFETY FORCES	F50 * 32.1 K * 25.4 K	F50 * 32.1 K * 25.4 K
SEISMIC	R1 ** 3900 # ** 3200 #	R2 ** 2500 # ** 1600 #
IMPACT	R1 ** 3900 # ** 3200 #	R2 ** 2500 # ** 1600 #
MAX VERT SPAN GUIDE RAIL SUPPORT	14'	14'

* LOADS SHOWN DO NOT INCLUDE HOISTWAY
 ** CURB AND CURB RAIL
 *** BUFFER REACTION ARE DUBBED FOR IMPACT
 LOADS SHOWN ARE ESTIMATED. COORDINATE FINAL LOADS WITH ELEVATOR MANUFACTURER

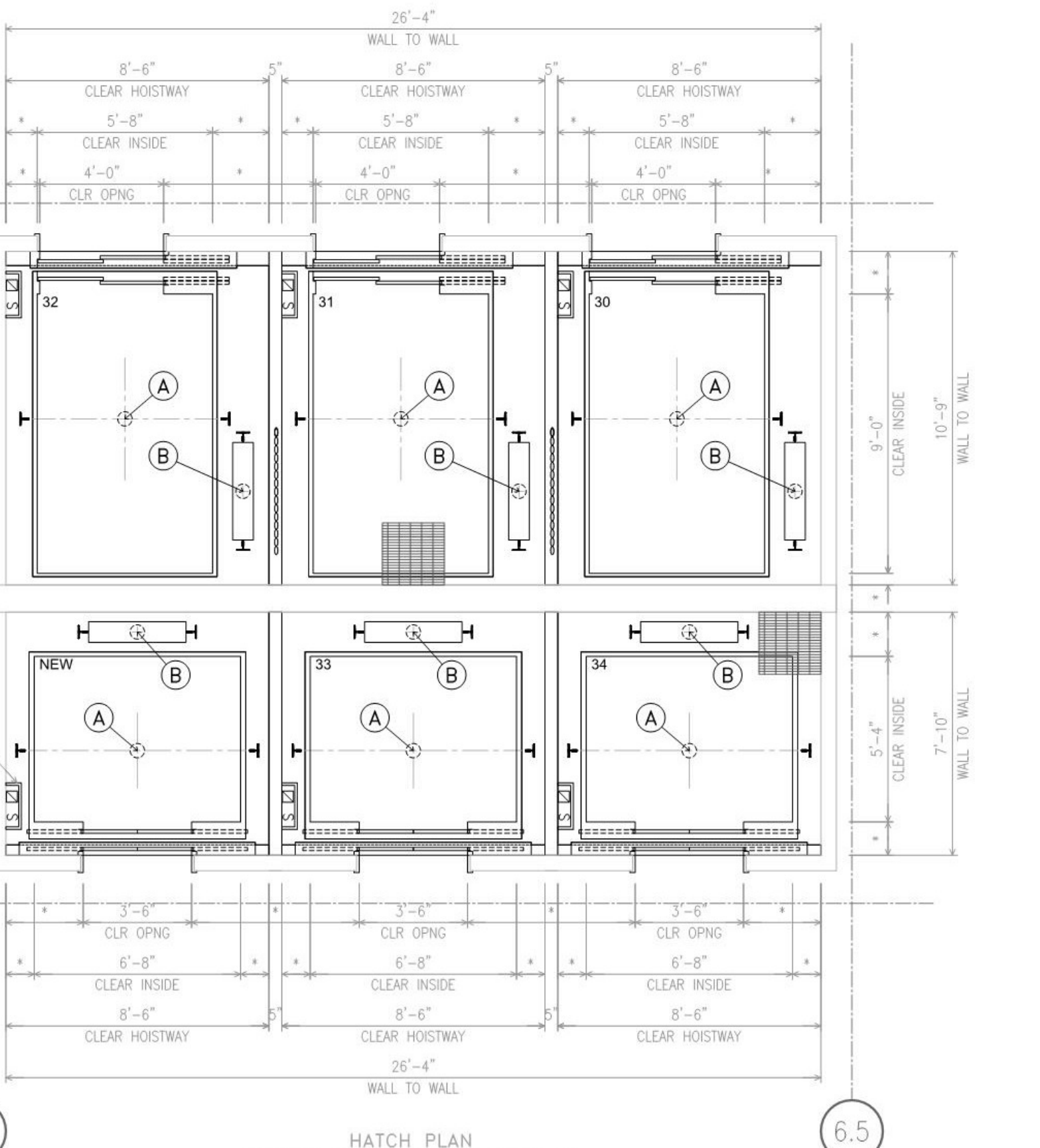
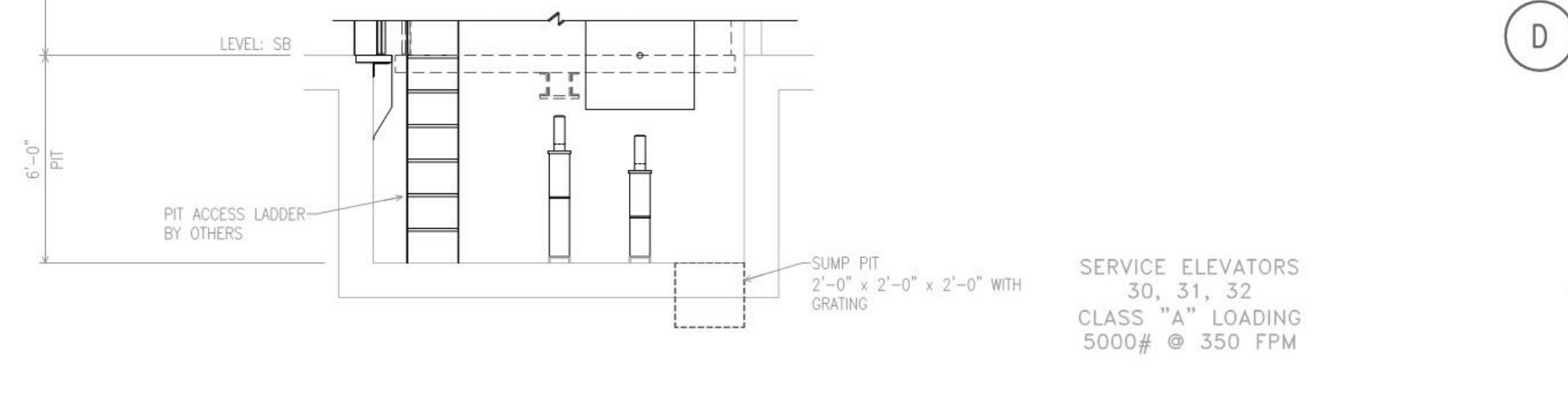
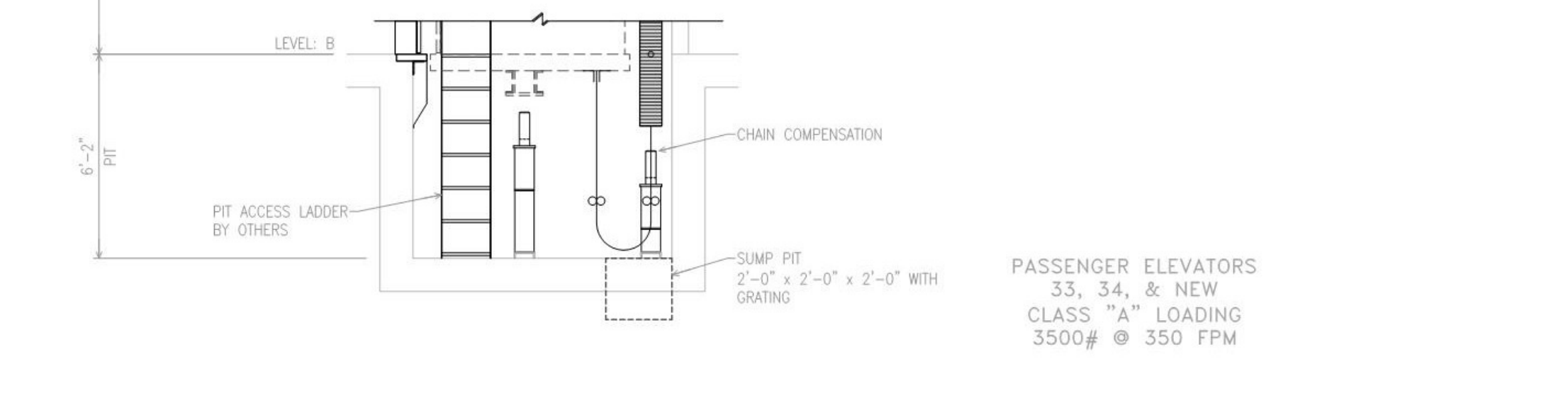


ELEVATORS 33 & 34				NEW ELEVATOR			
FLOOR	FTF	F		FLOOR	FTF	F	
7	14'-0"	X		6	14'-0"	X	
6	14'-0"	X		5	22'-0"	X	*
5	22'-0"	X		4	14'-0"	X	
4	14'-0"	X		3	14'-0"	X	
3	14'-0"	X		2	14'-0"	X	
2	14'-0"	X		1	18'-8"	X	*
1	18'-8"	X	*	B	15'-0"	X	*
B	15'-0"	X	*	SB	15'-2"	X	*

INTERMEDIATE SUPPORT REQUIRED AT FLOORS MARKED WITH AN ASTERISK. SEE PIT AND RAIL LOADS CHART FOR MAXIMUM VERTICAL SPAN GUIDE RAIL SUPPORT.

ELEVATOR 30				ELEVATOR 31				ELEVATOR 32			
FLOOR	FTF	F		FLOOR	FTF	F		FLOOR	FTF	F	
7	14'-0"	X		7	14'-0"	X		7	14'-0"	X	
6	14'-0"	X		6	14'-0"	X		6	14'-0"	X	
5	22'-0"	X	*	5	22'-0"	X	*	5	22'-0"	X	*
4	14'-0"	X		4	14'-0"	X		4	14'-0"	X	
3	14'-0"	X		3	14'-0"	X		3	14'-0"	X	
2	14'-0"	X		2	14'-0"	X		2	14'-0"	X	
1	18'-8"	X	*	1	18'-8"	X	*	1	18'-8"	X	*
B	15'-0"	X	*	B	15'-0"	X	*	B	15'-0"	X	*
SB	15'-2"	X	*	SB	15'-2"	X	*	SB	15'-2"	X	*

INTERMEDIATE SUPPORT REQUIRED AT FLOORS MARKED WITH AN ASTERISK. SEE PIT AND RAIL LOADS CHART FOR MAXIMUM VERTICAL SPAN GUIDE RAIL SUPPORT.



FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS

SECTION	30, 31, 32	PASSenger ELEVATORS 33, 34, & NEW
CLASS "A" LOADING	5000# @ 350 FPM	3500# @ 350 FPM