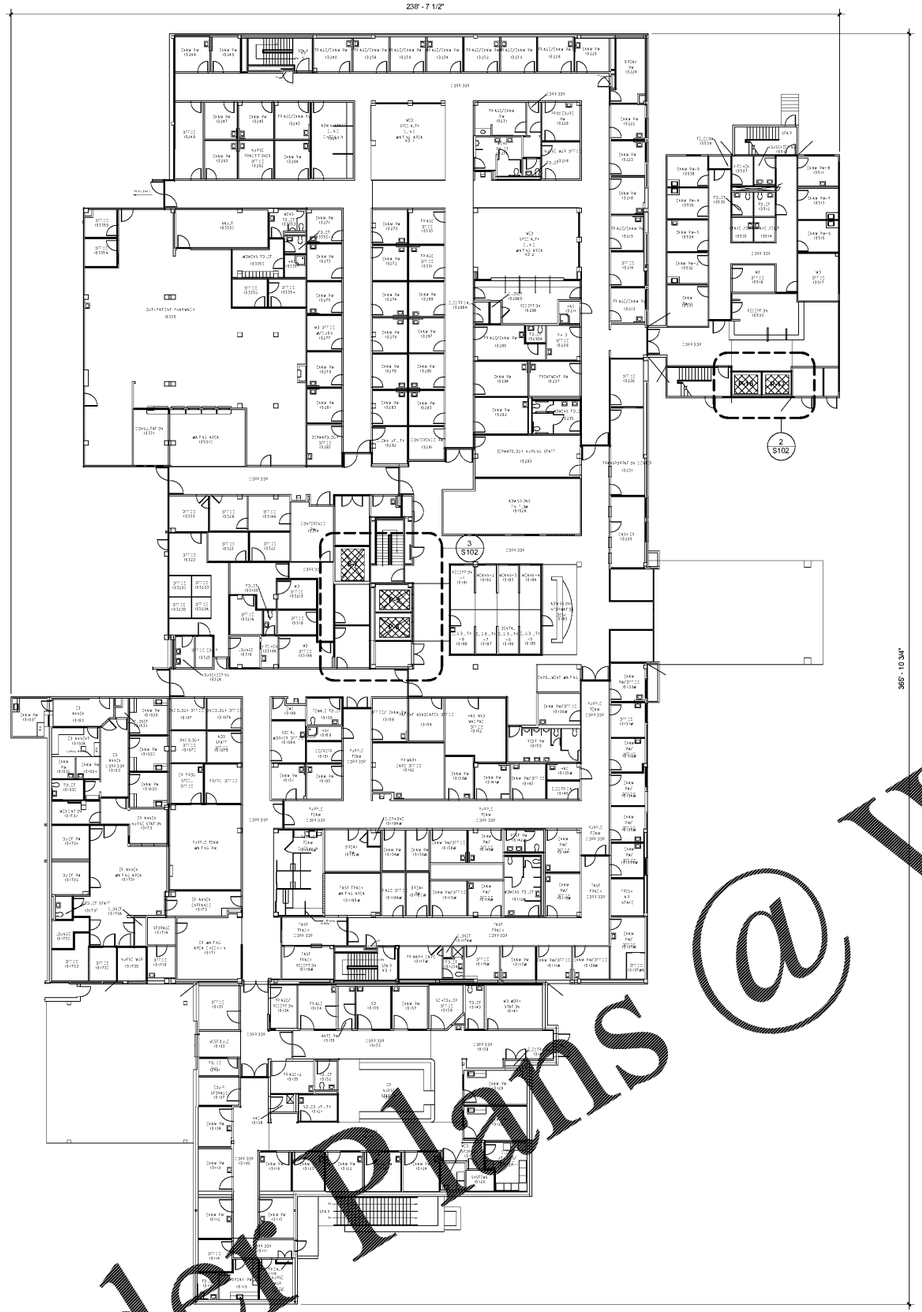


1 **BLDG B - FIRST FLOOR**
1/16" = 1'-0"

: SIGNIFIES ELEVATORS THAT ARE TO RECIEVE MODIFICATIONS TO INTERIORS ONLY. THESE ARE NOT IN STRUCTURAL SCOPE.

: SIGNIFIES ELEVATOR STRUCTURES THAT HAVE BEEN EVALUATED FOR NEW ELEVATOR EQUIPMENT

CHANGES IN LOAD TO STRUCTURE:

IT IS OUR PROFESSIONAL OPINION THAT THE STRUCTURE IS SUFFICIENT TO CARRY THE EXPECTED LOADS DURING CONSTRUCTION AND WHILE IN USE. THIS IS BASED ON THE FOLLOWING ASSUMPTIONS AND CONDITIONS:

1) THE TOTAL WEIGHT OF THE CAR AFTER THE MODERNIZATION SHALL BE LESS THAN OR EQUAL TO THE CURRENT WEIGHT AS SHOWN IN TABLE 1. THE CAR WEIGHT IS DEFINED AS THE WEIGHT OF ALL OF THE COMPONENTS FASTENED TO THE CAR INCLUDING, BUT NOT LIMITED TO THE CROSSHEAD, HITCH PLATES, STILES, BRACE RODS, PLATFORM, SAFETY PLANK, TOE GUARD, CAR PANELS, FINISHES, DOOR OPERATOR MECHANISM AND GUIDE ASSEMBLIES.

2) THE TOTAL WEIGHT OF THE MOTOR GENERATOR (OR ANY OTHER EQUIPMENT LOCATED IN THE PLACE OF THE EXISTING MOTOR GENERATOR) AFTER THE MODERNIZATION SHALL BE LESS THAN OR EQUAL TO THE CURRENT WEIGHT AS SHOWN IN TABLE 1.

3) THE TOTAL WEIGHT OF THE CONTROLLER AFTER THE MODERNIZATION SHALL BE LESS THAN OR EQUAL TO THE CURRENT WEIGHT AS SHOWN IN TABLE 1.

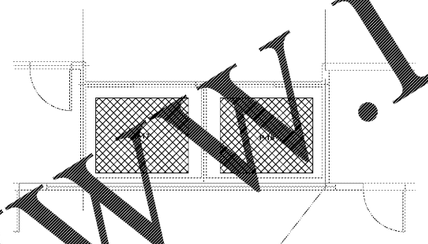
4) THE TOTAL WEIGHT OF THE MACHINE AFTER THE MODERNIZATION SHALL BE LESS THAN OR EQUAL TO THE CURRENT WEIGHT AS SHOWN IN TABLE 1.

5) THE TOTAL WEIGHT OF THE DC MOTOR (AS PART OF THE MACHINE) AFTER THE MODERNIZATION SHALL BE LESS THAN OR EQUAL TO THE CURRENT WEIGHT AS SHOWN IN TABLE 1.

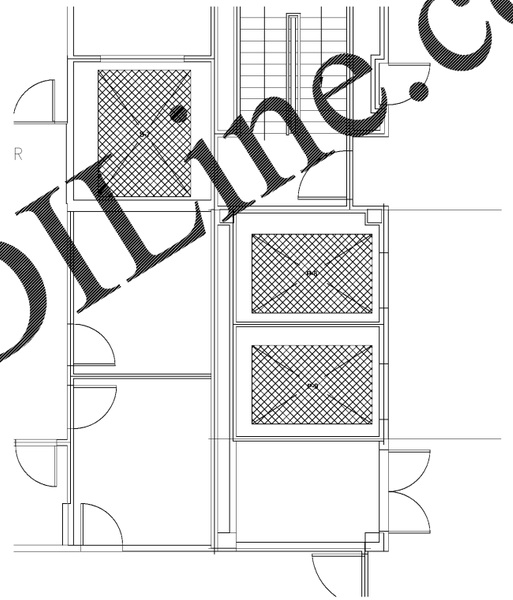
6) ANY NEW COMPONENTS AFFIXED TO THE STRUCTURE SHALL BE PLACED IN THE SAME LOCATION AS THE COMPONENT THEY ARE REPLACING.

7) AT SOME POINT IN CONSTRUCTION A TRACTION ELEVATOR CAR MAY NEED TO BE SUPPORTED BY PIPE STANDS. A HYDRAULIC BUFFER SYSTEM OR A SPRING BUFFER SYSTEM. IF A PIPE STAND IS USED, IT SHALL BE RATED TO SUPPORT 125 PERCENT OF THE CAR WEIGHT.

8) THE CAR CAPACITY SHALL NOT BE INCREASED.



2 **BLDG B - FIRST FLOOR - Callout 1**
1/4" = 1'-0"



3 **BLDG B - FIRST FLOOR - Callout 2**
1/4" = 1'-0"

TABLE 1. Elevator Equipment Matrix - Emphasis on Weight of Equipment

Bldg	Elev.	Type	Elevator Cab Data	Cab Capacity (lbs)	Car Weight (lbs) [1]	Speed (FPM)	Motor Generator Data	Motor Generator Wt. (lbs)	Machine Data	Machine Weight (lbs)	DC Motor Data (part of Hoist machine)	DC Motor Weight (lbs)	Controller Info	Controller Weight (lbs)
A	1-1	Traction	Dover	3,000	6145	350	The Imperial Electric Company: Dover 7001AAM 02 M/N-407EM D0R0A510	To be found by Elevator Rep.	Dover Elevators Systems: Type: GD-240 WORM # 124360 Gearat 45:936	To be found by Elevator Rep.	The Imperial Electric Company: Dover 5008H6 M/M-407EDH D0E0509	To be found by Elevator Rep.	MSC1 Dover Composite	To be found by Elevator Rep.
A	1-2	Traction	Dover	3,000	6145	350	The Imperial Electric Company: Dover 7001AAM 02 M/N-407EM D0R0A510	To be found by Elevator Rep.	Dover Elevators Systems: Type: GD-240 WORM # 124360 Gearat 45:936	To be found by Elevator Rep.	The Imperial Electric Company: Dover 5008H6 M/M-407EDH D0E0509	To be found by Elevator Rep.	MSC1 Dover Composite	To be found by Elevator Rep.
A	P-10	Traction	Thyssen Dover	4,000	5052	350	Thyssen TAC50 [4]	To be found by Elevator Rep.	Dover Elevators Systems: Type: GD-240 WORM # 144301, Gearat 43&4G1	To be found by Elevator Rep.	Dover Elevators: Serial No. MC8351133; Model No. SM1505CN Part No. 5:50C14 (This is AC Motor Data)	To be found by Elevator Rep.	Thyssen TAC50 [4]	To be found by Elevator Rep.
A	P-11	Traction	Dover	4,000	7430	350	The Imperial Electric Company: Dover 7001AA252 M/N-365EM D0Z5A510 [5]	To be found by Elevator Rep.	Dover Elevators Systems: Type: BM-3795 WORM # 124360 Gearat 45:936	To be found by Elevator Rep.	The Imperial Electric Company: M/N-366EDH D0A0A506	To be found by Elevator Rep.	MSC1 Dover Composite [5]	To be found by Elevator Rep.
A	P-12	Traction	Dover	4,000	7430	350	The Imperial Electric Company: Dover 7001AA252 M/N-365EM D0Z5A510 [5]	To be found by Elevator Rep.	Dover Elevators Systems: Type: BM-3795 WORM # 124360 Gearat 45:936	To be found by Elevator Rep.	The Imperial Electric Company: M/N-366EDH D0A0A506	To be found by Elevator Rep.	MSC1 Dover Composite [5]	To be found by Elevator Rep.
B	P-17	Hydraulic	Dover Model# 137766	3500	[2][3]	125	[3]	[3]	[3]	[3]	[3]	[3]	DMC-1 [3]	[3]
B	P-18	Hydraulic	Dover Model# 137766	3500	[2][3]	125	[3]	[3]	[3]	[3]	[3]	[3]	DMC-1 [3]	[3]
D	5-7	Hydraulic	Dover	3,000	[2][3]	125	[3]	[3]	[3]	[3]	[3]	[3]	[3]	[3]
E	P-8	Hydraulic	Dover	4,000	[3]	150	[3]	[3]	[3]	[3]	[3]	[3]	[3]	[3]
E	P-9	Hydraulic	Dover	4,000	[3]	150	[3]	[3]	[3]	[3]	[3]	[3]	[3]	[3]

Notes:
[1]. The Car weight is defined as the weight of all of the components fastened to the car including, but not limited to the crosshead, hitch plates, stiles, brace rods, platform, safety plank, toe guard, car panels, finishes, door operator mechanism and guide assemblies.
[2]. The weights were not available because the name plates were blank
[3]. This is not applicable because this elevator is projected to only have finishes replaced.
[4]. The motor generator appears to be an integral part of the controller.
[5]. The motor generator and controller are stacked, the controller over the motor generator.

4 **TABLE 1 ELEVATOR EQUIPMENT WEIGHTS**
1/8" = 1'-0"

PLAN NORTH

CONSTRUCTION DOCUMENTS

Revisions:	Date
1 Revision 1	Date 1

CONSULTANTS:

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GEORGIA REGISTERED PROFESSIONAL ENGINEER JOHN CHARLES KORNEGAY 5/1/17

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Drawing Title	BLDG B ELEVATOR LOCATION PLAN
Approved: Project Director	
Project Title	UPGRADE ELEVATORS - BUILDINGS A, B, C, and D
Location	ATLANTA VAMC 1670 CLAIRMONT ROAD, DECATUR, GA 30033
Date	2017.05.01
Drawn	M. STEFANO
Checked	A. CROSBY
Project Number	508-14-123
Building Number	
Drawing Number	S102
Dwg.	15 of 28

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