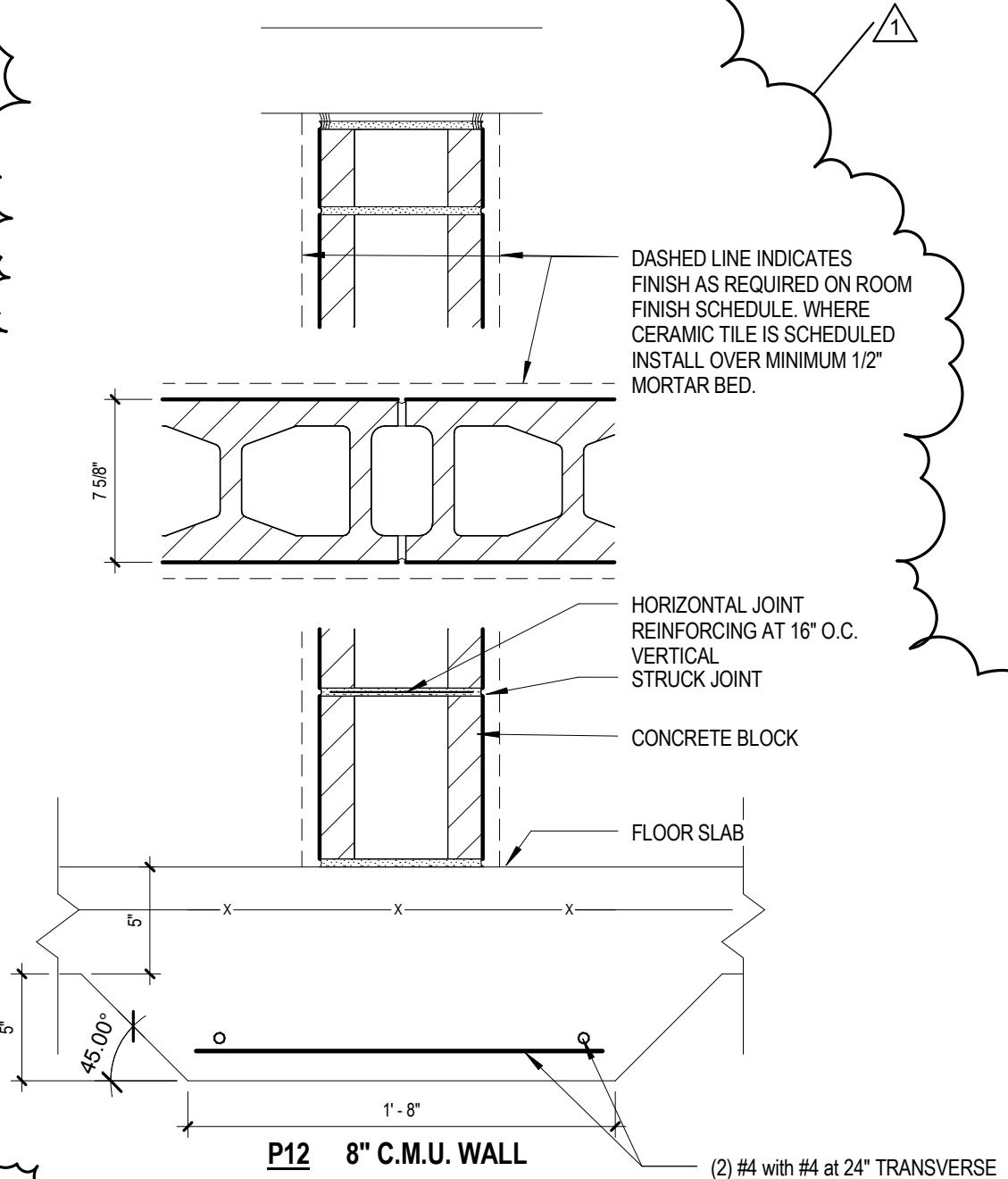


PARTITION TYPES

1 1/2"=1'-0"



CODE REVIEW

IBC 2009

Chapter 6 - Classifications of Occupancy and Hazard of Contents
6.1.13.1 Storage Occupancy: An occupancy used primarily for the storage or sheltering of goods, merchandise, products or vehicles.

Chapter 7 - Means of Egress

- 406.2.2 - Clear height of each floor level: not less than 7 feet. Vehicle and pedestrian areas accommodating van-accessible parking required by Section 108.5 shall conform to ICCA117.1.
- 406.2.3 - Guards shall be provided in accordance with Section 1013.
- 406.2.4 - Vehicle barrier systems not less than 2 feet 9 inches high shall be placed at the end of drive lanes, and at the end of parking spaces where the vertical distance to the ground to surface directly below is greater than 1 foot, comply with Section 1007.7.3.
- 406.2.5 - Vehicle ramps shall not be considered as required exits unless pedestrian facilities are provided.
- 406.2.6 - Parking surfaces shall be of concrete or similar noncombustible and nonabsorbent materials.
- The area of floor used for parking of automobiles or other vehicles shall be sloped to facilitate the movement of liquids to a drain or toward the main vehicle entry doorway.
- Exceptions:
- Asphalt parking surfaces shall be permitted at ground level.
 - Floors of Group S-2 parking garages shall not be required to have a sloped surface.

406.3 Open Parking Garages

- 406.3.1 - Constructed of Type I, II or IV construction.
- 406.3.3.1 - For natural ventilation purposes, the exterior side of the structure shall have uniformly distributed openings on two or more sides. The area of such openings in exterior walls on a tier must be at least 20 percent of the total perimeter wall area of each tier. The aggregate length of the openings considered to be providing natural ventilation shall constitute a minimum of 40 percent of the perimeter of the tier. Interior walls shall be at least 20 percent open with uniformly distributed openings.
- 406.3.5.1 - When the open parking garage is used exclusively for the parking, Height and Area may comply with 406.3.5 along with allowable increases in Section 406.3.6.

Table 406.3.5 - IB Construction:
Area per Tier: 50,000 S.F.
Ramp Access: 8 Tiers
Mechanical Access without Automatic Sprinkler System: 8 Tiers

Chapter 5

Table 503: Does not apply per 406.3.5

Chapter 6

Table 601

Type IIB: Primary Structural Frame: 0 hours
Bearing Walls: 0 hours interior and exterior
Nonbearing walls and partitions: 0 hours
Floor Construction and secondary members: 0 hours
Roof construction and secondary members: 0 hours

Table 602

Fire separation distance greater than or equal to 30 feet: No rating required

Chapter 7

708.2

- Exception 14: A shaft enclosure is not required for elevator hoistways in open or enclosed parking garages that serve only the parking garage.
- Exception 15: In open or enclosed parking garages a shaft enclosure is not required to enclose mechanical exhaust or supply duct systems when such duct system is contained within and serves only the parking garage.

ANSI ICC A117.1-2009

Chapter 5

502.5 - Floor Surfaces - Parking spaces and access aisles shall comply with Section 302 and have surface slopes not steeper than 1:48. Access aisles shall be at the same level as the parking spaces they serve.

502.6 - Vertical Clearance - A vertical clearance of 8'0" minimum shall be provided at the following locations:

- Parking spaces for vans
- The access aisles serving parking spaces for vans
- The vehicular routes serving parking spaces for vans

NFPA 101 2009

Chapter 6 - Classifications of Occupancy and Hazard of Contents
6.1.13.1 Storage Occupancy: An occupancy used primarily for the storage or sheltering of goods, merchandise, products or vehicles.

Chapter 7 - Means of Egress

7.1.6.2 - Changes in Elevation of Means of Egress: Abrupt changes in elevation of walking surfaces shall not exceed 1/4". Changes in elevation exceeding 1/4", but not exceeding 1/2", shall be beveled with a slope of 1 in 2. Changes in elevation exceeding 1/2" shall be considered a change in level and shall be subject to the requirements of 7.1.7.

7.1.7 Changes in Level in Means of Egress

Changes in level in means of egress not in excess of 2" shall be achieved either by a ramp complying with the requirements of 7.2.2.5 or by a stair complying with the requirements of 7.2.2.

7.1.10.2.2 - No obstruction by railings, barriers, or gates shall divide the means of egress into sections apparent to individual rooms, apartments, or other occupied spaces. Where the authority shall be permitted to require that such objects be secured out of the way or shall be permitted to require that railing or other permanent barriers be installed to protect the path of travel against encroachment.

7.2.1.1.2 - Every door opening and every principal entrance that is required to serve as an exit shall be designed and constructed so that the path of egress travel is obvious and direct. Windows that, because of their physical configuration or design and the materials used in their construction, have the potential to be mistaken for door openings, shall be made inaccessible to the occupants by barriers or railings.

7.2.2.2.1.2 - Minimum New Stair Width: Less than 2000 persons - 44 inches

7.2.2.3.2.2 - Stairs and intermediate landings shall continue with no decrease in width along the direction of egress travel.

7.2.2.3.2.3 - In new buildings, every landing shall have a dimension, measured in the direction of travel, that is not less than the width of the stair.

7.2.2.3.3.1 - Stair treads and landings shall be solid, without perforations.

7.2.2.3.3.3 - If not vertical, rises on other than existing stairs shall be permitted to slope under the tread at an angle not to exceed 30 degrees from vertical, provided that the projection of the nosing does not exceed 1/4".

7.2.2.3.4 - The tread and landing slope shall not exceed 1/4" per foot (a slope of 1 in 48).

7.2.2.3.6.1 - Variation in excess of 3/16" in the depth of adjacent treads or in the height of adjacent risers shall be prohibited, unless otherwise permitted.

7.2.2.4.1 - Stairs and ramps shall have handrails on both sides, unless otherwise permitted.

7.2.2.4.1.2 - In addition to the handrails required at the sides of the stairs, for new stairs, handrails shall be provided within 30" of all portions of the required egress width.

7.2.2.4.2 - Required guards and handrails shall continue for the full length of each flight of stairs. At turns of new stairs, inside handrails shall be continuous between flights at landings.

7.2.2.4.4.5 - New handrails shall be installed to provide a clearance of not less than 2-1/4" between the handrail and the wall to which it is fastened.

Chapter 42.8 - Special Provisions for Parking Structures

42.8.2.2.3 - An opening for the passage of automobiles shall be permitted to serve as an exit from a street floor, provided that no door or shutter is installed therein.

42.8.2.2.3.2 - In open-air parking structures, stairs complying with 7.2.2.5.1 shall not be required.

42.8.2.2.3.3 - In open-air parking structures, the area of refuge requirements of 7.2.12.1.2 shall not apply.

42.8.2.4.1 - Not less than two means of egress shall be provided from every floor or section of every parking structure.

42.8.2.6.2 - In open parking structures the travel distance shall comply with the following:

The travel distance to a stair that does not meet the provisions for an exit enclosure shall not exceed the travel distance specified in Table 42.8.2.6.1 and travel along the stair shall not be limited.

Table 42.8.2.6.1: Open Parking Structure Not protected throughout by an approved, supervised automatic sprinkler system: 300 ft.

42.8.3.1.2 - Unprotected vertical openings through floors in open parking structures shall be permitted.

42.8.3.4.1.2 - Open parking structures shall not be required to have a fire alarm system.

Garage Area

Ground Level: 37,870 G.S.F.

First Level: 37,870 G.S.F.

Second Level: 37,870 G.S.F.

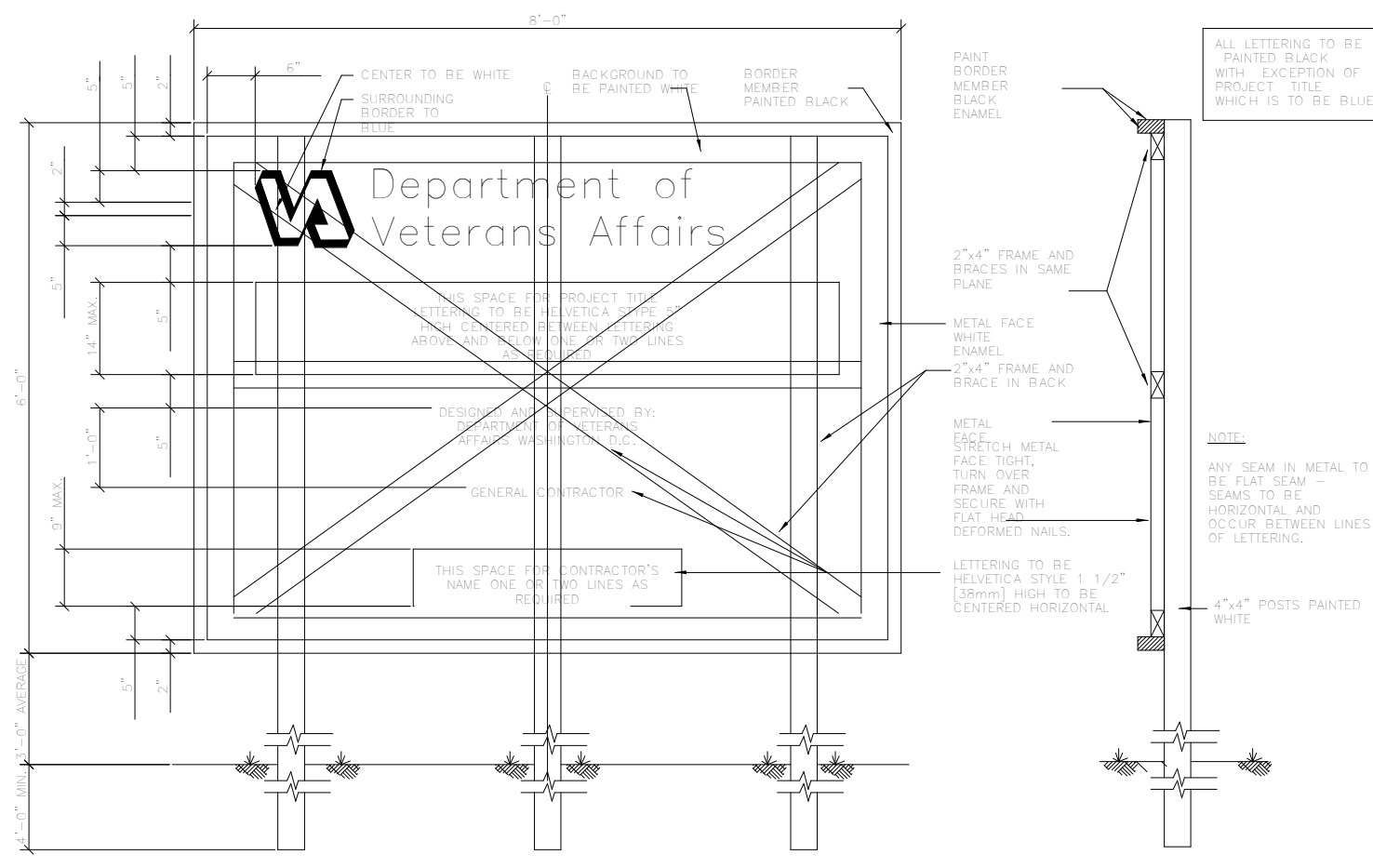
Third Level: 37,870 G.S.F.

Roof Level: 37,870 G.S.F.

See AS002 for actual travel distances.

Door Schedule														
Door Number	Room Name	Doors						Frames			Hardware Set	Door Label	Comments	
		Type	Material	Glazing	Pair	Width	Height	Type	Material	Detail				
100A	PEDESTRIAN ENTRANCE	B	AL/GL	1/4" TEMPERED	PR	3'-0"	7'-0"	ALUM.			12H		AUTO DOOR OPERATOR	
100B	PEDESTRIAN ENTRANCE	B	AL/GL	1/4" TEMPERED	PR	3'-0"	6'-11 7/8"	ALUM.			12H		AUTO DOOR OPERATOR	
100C	GARAGE ENTRANCE	Rolling Grill	STEEL			14'-0"	10'-0"			SAS301	E5		O.H. COILING GRILL	
100D	GARAGE ENTRANCE	Rolling Grill	STEEL			14'-0"	10'-0"			SAS301	E5		O.H. COILING GRILL	
100E	GARAGE ENTRANCE	Rolling Grill	STEEL			14'-0"	10'-0"			1,2 G001	E5		O.H. COILING GRILL	
100F	GARAGE ENTRANCE	Rolling Grill	STEEL			14'-0"	10'-0"			SAS301	E5		O.H. COILING GRILL	
102A	ELEVATOR CONTROL ROOM	A	H.M.			4'-0"	7'-0"	F1	H.M.	1,2 G001	SG			
102B	ELEVATOR CONTROL ROOM	A	H.M.			4'-0"	7'-0"	F1	H.M.	1,2 G001	SG			
103	STORAGE	A	H.M.			10'-0"	7'-0"			SAS301	E5		O.H. COILING DOOR	
104	ELECTRICAL ROOM	A	H.M.		PR	3'-8"	7'-0"	F2	H.M.	1,2 G001	12J			
105	WATER ENTRANCE	A	H.M.			3'-0"	7'-0"	F1	H.M.	1,2 G001	5D			
106	ELEC. CLOSET	C	H.M.		PR	2'-10"	7'-0"	F2	H.M.	1,2 G001	11		LOUVERED DOORS	

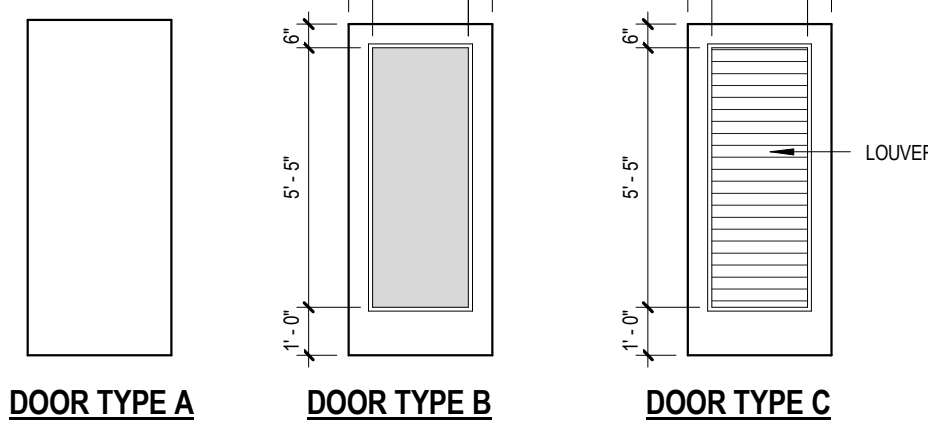
Number	Name	Floor Finish	Base Finish	North Wall	East Wall	South Wall	West Wall	Door Frames	Ceiling Finish	Comments
102	ELEVATOR CONTROL ROOM	SEALED CONCRETE		P1	P1	P1	P1	P1		
104	ELECTRICAL ROOM	SEALED CONCRETE		P1	P1	P1	P1	P1		
105	WATER ENTRANCE	SEALED CONCRETE		P1	P1	P1	P1	P1		
106	ELEC. CLOSET	SEALED CONCRETE		P1	P1	P1	P1	P1		



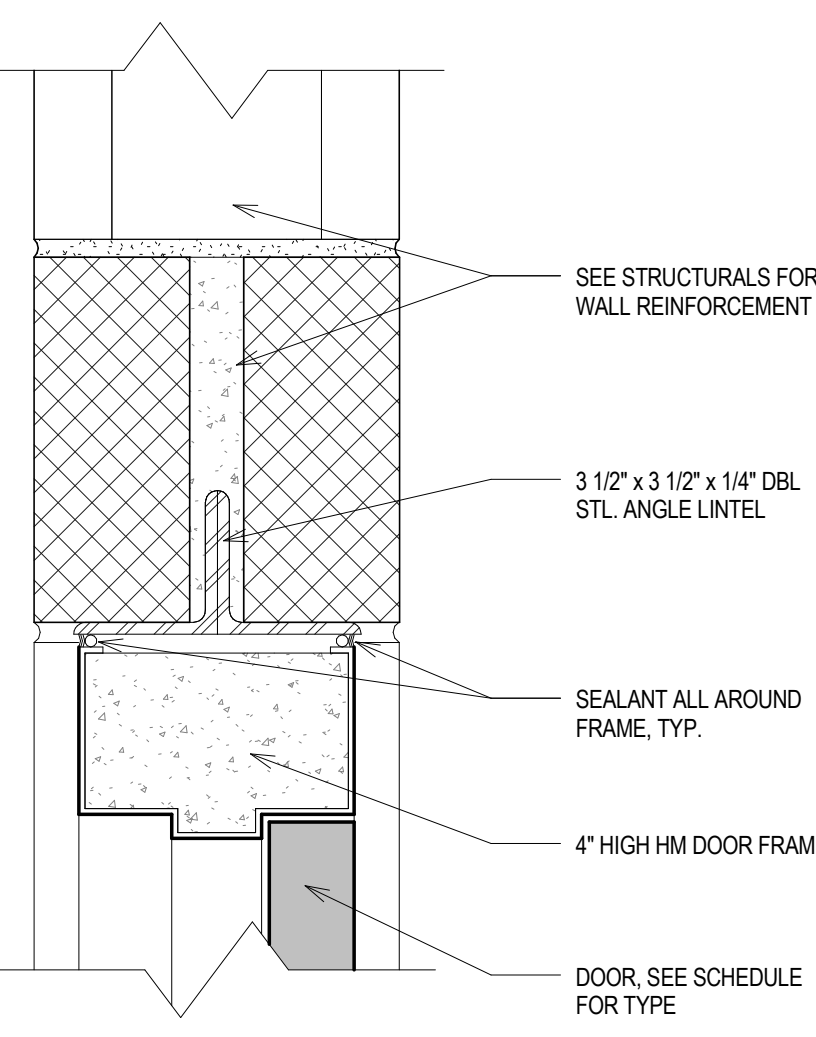
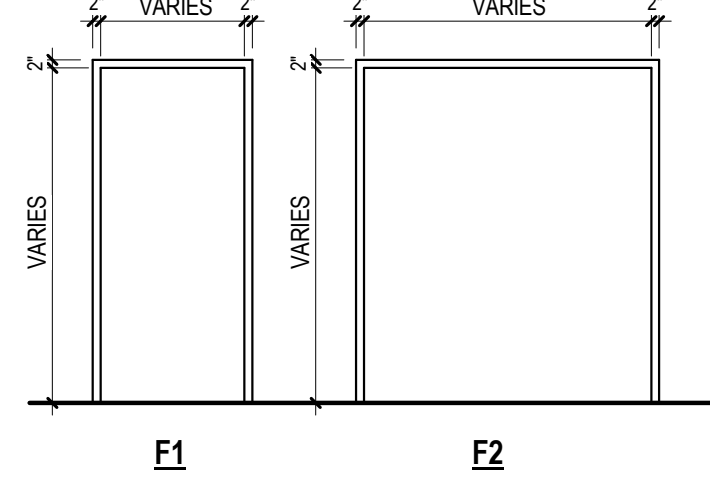
3 Construction Sign
GI001 1/4" = 1'-0"

2 HM Door Jamb- CMU
GI001 3' = 1'-0"

DOOR TYPES
1/4" = 1'-0"



FRAME TYPES
1/4" = 1'-0"



1 HM Door Head- CMU Lintel
GI001 3' = 1'-0"

Drawing Symbols		
GENERAL NUMBER KEY		DETAIL NUMBER SHEET NUMBER
ELEVATION KEY		ELEVATION NUMBER SHEET NUMBER
PARTITION KEY		
WINDOW KEY		
COLUMN CENTER LINE		
DETAIL NUMBER SHEET NUMBER		
ROOM NUMBER		
DOOR NUMBER		ADD LETTER SUFFIX WHEN MORE THAN ONE DOOR, 500A, 500B ETC.

Floor Plan Key	
	1 HOUR SMOKE PARTITION
	1 HOUR FIRE RATED PARTITION
	2 HOUR FIRE RATED PARTITION
	PARTITION TO BE PROVIDED: PROVIDE P1 UNLESS INDICATED OTHERWISE
	EXISTING PARTITION TO REMAIN
	DOOR - KEYED TO DOOR SCHEDULE
	EXISTING DOOR AND FRAME TO BE REMOVED
	EXISTING PARTITION TO BE REMOVED FROM FLOOR TO STRUCTURE ABOVE. REMOVE ALL ITEMS CONTAINED WITHIN OR ATTACHED TO PARTITION

Applicable Codes	
- IBC 2009	
- NFPA 101 2009	
- ANSI ICC A117.1 - 2009	
- Department of Veterans Affairs Barrier Free Design Guide	
-	

Occupancy and Building Types	
- Storage Occupancy S-2	
- Construction Type 2B	

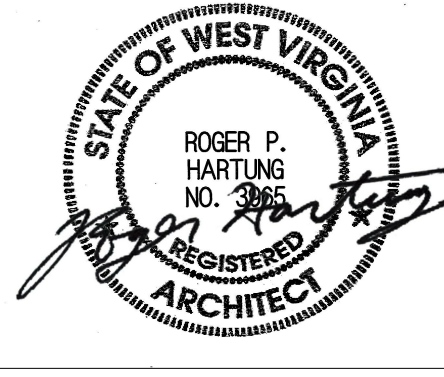
Fireproofing Schedule				
COMPONENT	DESCRIPTION	FIRE RATING	UL DESIGN	FM DESIGN
EXPANSION JOINT	-	-	-	-
COLUMNS	Precast Concrete	0 HR	-	-
FLOOR CONSTRUCTION INCLUDING BEAMS	Precast Concrete Pre-Topped Double Tees	0 HR	-	-
ROOF CONSTRUCTION INCLUDING BEAMS AND JOISTS	Metal Decking on Bearing Walls	0 HR	-	-

Materials Key			
	GRANITE		WOOD - FINISH (SECTION OR ELEVATION)
	MASONRY		WOOD - ROUGH (SECTION)
	CONCRETE FILL, SAND, GROUT, DRYWALL		INSULATION - RIGID
	CARPET		INSULATION - BATT OR LOOSE
	CERAMIC TILE		STEEL
	ACOUSTICAL TILE (LARGE SCALE)		CONCRETE

EXHIBIT F - CLARIFICATION	04-01-2014
Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:



Drawing Title
General Notes, Partition Types, Schedules

Approved: Project Director

Project Title
VA Clarksburg Parking Garage

Location
VAMC Clarksburg West Virginia

Date
13 February 2012

Checked

Drawn

VA Project Number
540-320
IKM Project Number
10-163

Building Number

Drawing Number

GI001

Dwg. of

Office of
Construction
and Facilities
Management



100% CONSTRUCTION DOCUMENT SUBMISSION