

GENERAL INFORMATION			
LOCATION OF PROJECT:	Project Title Street Address Des Moines, IA 50309 Parcel No. 000/00000-000-000	ARCHITECT:	Architect Street Address Des Moines, IA 50309 State of Iowa Registration No.
STRUCTURAL ENGINEER:	Structural Engineer Street Address Des Moines, IA 50309 State of Iowa Registration No.	M/E/P ENGINEER:	Mechanical Engineer Street Address Des Moines, IA 50309 State of Iowa Registration No.

**PROJECT DESCRIPTION**  
A brief Description of the project. Include: Occupancy classification, number of stories, building height, floor to floor dimension. The primary structure is constructed of ????. Exterior walls are constructed of ????. The interior walls are constructed of ????. Building is supported on what type of foundation ????.

APPLICABLE CODES - City of Des Moines	CODES/REGS. UTILIZED IN DESIGN
2006 - International Building Code 2006 - International Mechanical Code 2006 - Uniform Plumbing Code 2006 - International Fuel Gas Code 2006 - International Energy Code	2006 - International Existing Building Code 2005 - National Electrical Code 2006 - International Fire Code 2003 - ANSI A117.1 The City of Des Moines has adopted the codes listed above. It is recommended that applicants review the City of Des Moines Municipal Code for any modifications or amendments. The Municipal Code can be viewed at 222.dmgov.org. ALTERNATE MATERIALS, DESIGN & METHODS OF CONST. - 2006 IBC Section 104.1.1 MODIFICATIONS - 2006 IBC Section 104.10

BUILDING HEIGHTS AND AREAS (Chapter 5)	Actual Building Areas
<b>Basic Allowable</b> Type B Occupancy, Type V-B - 1 story not to exceed 40'-0" above grade, 9000 s.f.	Level 1 5854 SF Grand total 5854 SF
<b>Proposed Building</b> 5,854 CSF, 1 Story, total building height 16'-8" above grade Building Perimeter Building Frontage	

OCCUPANCY TYPE (Chapter 3)	
B - Business	4393 SF
U - Utility	921 SF

TYPES OF CONSTRUCTION (Chapter 6)	
Construction Type: VB	
<b>Structural Fire Ratings (Table 601)</b>	
Structural frame including columns, girders & trusses	0 hr.
Bearing exterior walls	0 hr.
Bearing interior walls	0 hr.
Nonbearing exterior walls & partitions	0 hr.
Nonbearing interior walls & partitions	0 hr.
Floor construction including supporting beams & joists	0 hr.
Roof construction including supporting beams & joists	0 hr.
<b>Fire Resistance Rating - Exterior Walls (Table 602)</b>	
Type V-B	
<5'	1 hr.
> 5' < 10'	1 hr.
> 10' < 30'	1 hr.
> 30'	0 hr.
<b>Exterior Opening Requirements (Table 704.8)</b>	No Limit

FIRE PROTECTION FEATURES	WATER SUPPLY - FLOW TESTS
Fire Alarm: Not Required/Not Provided FACP: Not Required/Not Provided Remote Annunciator Panel: Not Required/Not Provided Smoke Detection: Not Required/Not Provided Heat Detection: Not Required/Not Provided Fire Pump: Not Required/Not Provided Backup Power: Not Required/Not Provided Suppression - Standpipes: Not Required/Not Provided Suppression - Automatic: Not Required/Not Provided Fire Extinguishers: Required/Provided: Per NFPA 10 Type I Commercial Hoists: Not Required/Not Provided	Static: Residual: Flow: Date and Location: Date of Original System Installation:

MEANS OF EGRESS (Chapter 10)	
<b>1005.1 EGRESS WIDTHS - SEE BELOW</b>	<b>1011.1 EXIT SIGNS</b> 100 feet or viewable.
<b>1004 DESIGN OCCUPANT LOADS</b>	<b>1011.2</b> Exit signs shall be internally or externally illuminated.
OFFICE NET SF / 100 SF = 48 UTILITY NET SF / 300 SF = 4 TOTAL OCCUPANTS = 52	<b>1014.3 Common path of egress</b> Shall not exceed 75 feet
EGRESS WIDTH REQ. 10.4 Total inches 5.2 Second exit	<b>1016.1 TRAVEL DISTANCE</b> B 200 feet
<b>1006 MEANS OF EGRESS ILLUMINATION</b> Required for A2/M/B/R-2 corridors	<b>1017.1 CORRIDORS</b> "Minimum width is 44".
<b>1007.1 Accessible means of egress</b> Two required	<b>1017.3 Dead ends</b> B is 20 feet
<b>1008.1.1</b> "Min. clear width of 32" measured from the face of the door and the stop with the door open 90 degrees."	<b>1018 MIN NUMBER OF EXITS</b> 2 exits required
<b>1008.1.2</b> Doors shall swing in the direction of egress travel where serving an occupant load of 50 or more.	<b>1024.1 Exit Discharge</b> Exits shall discharge directly to exterior of building

ACCESSIBILITY, VENTILATION & MIN. VALUES	
"Siles, buildings, structures, facilities shall be accessible to persons with physical disabilities"	
1106	PARKING - 3 accessible space required
1106.5	1 Van space Required
1203	VENTILATION Ventilation in accordance with International Mechanical Code
Chapter 14	Exterior walls 'R' value is R-19 min. and Roof 'R' value is R-23 min.
Chapter 15	Roof will be class C or better (flame spread)

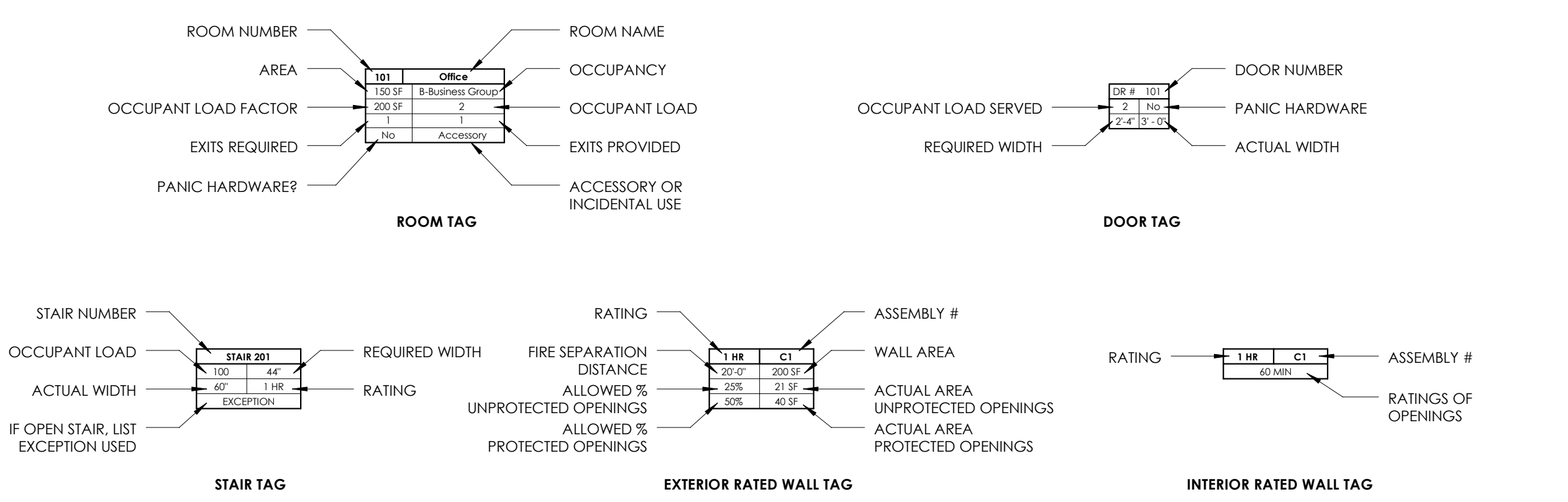
PLUMBING FIXTURES (2006 UPC)			
<b>OCCUPANT LOADS FOR DETERMINING REQUIRED PLUMBING FIXTURES</b>			
Non-Accessory Spaces	4,000 SF NET / 200 SF = 20 TOTAL OCCUPANTS (10 MALE, 10 FEMALE)		
<b>PLUMBING FIXTURES REQUIRED</b> Table 4-1 2006 Uniform Plumbing Code			
WC'S (MALE)	URN	LAV	DF
(FEMALE)			1 per 150
GROUND FLOOR PROVIDED	1	1	0
	1	1	2
		0	N/A
		2	0



**1 FLOOR PLAN - CODE ANALYSIS**  
SCALE: 1/8" = 1'-0"

**CODE PLAN LEGEND**

SYMBOL	DESCRIPTION	NOTES	SYMBOL	DESCRIPTION	NOTES
▶	EXIT - EXTERIOR		— · — · —	1 FIRE BARRIER (OCCUPANCY SEPARATION)	1 HOUR F.R. WALL CONSTRUCTION, 1 HOUR RATED DOOR ASSEMBLIES, FIRE & SMOKE DAMPERS.
➔	EXIT - INTERIOR	ASSEMBLY OCCUPANCIES OVER 50 - IBC	— · — · —	2 FIRE BARRIER (OCCUPANCY SEPARATION)	2 HOUR F.R. WALL CONSTRUCTION, 1 1/2 HOUR RATED DOOR ASSEMBLIES, FIRE & SMOKE DAMPERS.
•	FIRE EXTINGUISHER	F.E.C.	— · — · —	3 FIRE BARRIER (OCCUPANCY SEPARATION)	3 HOUR F.R. WALL CONSTRUCTION, 3 HOUR RATED DOOR ASSEMBLIES, FIRE & SMOKE DAMPERS.
■	HOSE CABINET		— · — · —	4 FIRE BARRIER (OCCUPANCY SEPARATION)	4 HOUR F.R. WALL CONSTRUCTION, NO OPENINGS.
■	HOSE CABINET WITH EXTINGUISHER		198 / 39.6"	ACCUMULATED EXIT WIDTH AT REQUIRED EXIT (CLEAR WIDTH)	OCCUPANTS / REQUIRED WIDTH PROVIDED WIDTH
▨	NON-PROTECTED EXIT PATH	AISLES	68"		
▨	PROTECTED EXIT PATH	1 HOUR F.R. WALL CONSTRUCTION, 20 MIN. RATED DOOR ASSEMBLIES, FIRE & SMOKE DAMPERS			
▨	EXISTING CONSTRUCTION				
□	NEW CONSTRUCTION				



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# SCHEME A

PROJECT TITLE  
PROJECT ADDRESS

SHEET AUTHOR NAME	2008-05
CHECKED BY NAME	
PROJECT MANAGER NAME	

ISSUE DATE: \_\_\_\_\_ ISSUE TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_ PERMIT SET: \_\_\_\_\_

NO.	REVISION SCHEDULE DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION

SHEET NAME	CODE ANALYSIS
SHEET NUMBER	G.201