

**CODE SUMMARY:**

**PROJECT SUMMARY:**

**APPLICABLE CODES:**

- 2018 WISCONSIN ADMINISTRATIVE CODE, SPS 361-366
- 2015 INTERNATIONAL BUILDING CODE (IBC)
- 2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
- 2015 INTERNATIONAL MECHANICAL CODE (IMC)
- 2015 INTERNATIONAL FUEL GAS CODE (IFGC)
- 2009 ICC / ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

OCCUPANCIES:		CONSTRUCTION TYPE:		
BUILDING HEIGHT	ACTUAL HEIGHT (IN FEET)	ALLOWABLE (TABLE 504.3)	ACTUAL HEIGHT (IN STORIES)	ALLOWABLE (TABLE 504.4)
	FEET	FEET	STORIES	STORIES

- |   |   |
|---|---|
| <input type="checkbox"/> (NS) NON-SPRINKLERED<br><input type="checkbox"/> (S1) SPRINKLERED ONE-STORY<br><input type="checkbox"/> (SM) SPRINKLERED MULTIPLE STORIES<br><input type="checkbox"/> UNLIMITED AREA<br><input type="checkbox"/> PARTIALLY SPRINKLERED, PLEASE DESCRIBE: _____ | <input type="checkbox"/> NFPA 13<br><input type="checkbox"/> NFPA 13R<br><input type="checkbox"/> NFPA 13D<br><input type="checkbox"/> NFPA 72 - FIRE ALARM |
|---|---|

**OCCUPANT LOAD CALCULATIONS**

OCCUPANCY TYPE	AREA PER FLOOR						1004.1.2 AREA / OCCUPANT	NUMBER OF OCCUPANTS	SPRINKLER REQ'D, 903.2
	BASEMENT	FIRST	SECOND	THIRD	ROOF	TOTAL			

**PLUMBING FIXTURE REQUIREMENTS PER 2902.1**

OCCUPANCY TYPE		WATER CLOSET			LAVATORY			SHOWER / TUB	DRINKING FOUNTAIN		SERVICE SINK
		M	W	UNISEX	M	W	UNISEX		REGULAR	ACCESSIBLE	
	REQUIRED										
	PROVIDED (EXISTING)										
	REQUIRED										
	PROVIDED (EXISTING)										
	REQUIRED										
	PROVIDED (EXISTING)										
TOTAL											

**ENVELOPE COMPLIANCE**

- UNHEATED BUILDING / SEASONAL OCCUPANCY
- ALTERATION, NO MODIFICATION TO BUILDING ENVELOPE
- COMcheck/REScheck ATTACHED; IECC 2015  ASHRAE 90.1-2013
- PRESCRIPTIVE (COMPLETE CHART BELOW); IECC 2015  ASHRAE 90.1-2013
- OTHER, PLEASE DESCRIBE: \_\_\_\_\_

PROJECT LOCATION: COUNTY \_\_\_\_\_; ZONE: 6A  7   
 OCCUPANCY GROUP: R  OTHER

**STRUCTURAL DESIGN:**

RISK CATEGORY: I  II  III  IV

LIVE LOADS: ROOF \_\_\_\_\_  
 FLOOR \_\_\_\_\_

GROUND SNOW LOAD: \_\_\_\_\_

WIND LOAD: BASIC WIND SPEED \_\_\_\_\_  
 EXPOSURE CATEGORY \_\_\_\_\_  
 DESIGN WIND LOAD \_\_\_\_\_

ASSUMED SOIL BEARING PRESSURE: \_\_\_\_\_ PSF  
 > 3000PSF, PROVIDE SOILS REPORT

SEISMIC DESIGN CATEGORY: \_\_\_\_\_

**SPECIFICATION DATA:** PROVIDE CODE EXCEPTIONS UTILIZED UNIQUE TO YOUR PROJECT

REFERENCED SECTIONS FROM THE IEBC and SPS 366

- Chapter 2: Definitions
- Chapter 3: Provisions for All Compliance Methods
- Chapter 4: Prescriptive Compliance Method
- Chapter 5: Classification of Work
- Chapter 6: Repairs
- Chapter 7: Alterations - Level 1
- Chapter 8: Alterations - Level 2
- Chapter 9: Alterations - Level 3
- Chapter 10: Change of Occupancy
- Chapter 11: Additions
- Chapter 12: Historic Buildings
- Chapter 13: Relocated or Moved Buildings
- Chapter 14: Performance Compliance Methods

REFERENCE SECTIONS FROM THE IBC and SPS 362

- SPS 361: Administration and Enforcement
- Chapter 2: Definitions
- Chapter 3: Use and Occupancy Classification
- Chapter 4: Special Detailed Requirements Based on Use and Occupancy
- Chapter 5: General Building Heights and Areas
- Chapter 6: Types of Construction
- Chapter 7: Fire and Smoke Protection Features
- Chapter 8: Interior Finishes
- Chapter 9: Fire Protection Systems
  - 903: Automatic Sprinkler Systems: note if sprinklers are required or exceptions met
- Chapter 10: Means of Egress
- Chapter 11: Accessibility (\*See also ANSI A117.1-2009)
- Chapter 12: Interior Environment
- Chapter 13: Energy Efficiency (\*See also International Energy Conservation Code 2015)
- Chapter 14: Exterior Walls
- Chapter 15: Roof Assemblies and Rooftop Structures
- Chapter 16: Structural Design
- Chapter 18: Soils and Foundations
- Chapter 19: Concrete
- Chapter 20: Aluminum
- Chapter 21: Masonry
- Chapter 22: Steel
- Chapter 23: Wood
- Chapter 24: Glass and Glazing
- Chapter 25: Gypsum Board, Gypsum Panel Products and Plaster
- Chapter 26: Plastic
- Chapter 27: Electrical
- Chapter 28: Mechanical Systems
- Chapter 29: Plumbing Systems
- Chapter 30: Elevators and Conveying Systems
- Chapter 31: Special Construction

CODE LEGEND:	
	INDICATES OCCUPANCY LOAD
- - - - -	ACCESSIBLE EXIT PATH
- - - - -	1 HOUR RATED FIRE BARRIER
- - - - -	2 HOUR RATED FIRE BARRIER
	ELEVATION OF FINISH FLOOR 000'-0"
	EXIT WAY IN INCHES
	FE1: WALL MOUNTED FIRE EXTINGUISHER
	FE2: CABINET MOUNTED FIRE EXTINGUISHER

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2009 ICC / ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

Table with 5 columns: OCCUPANCIES, CONSTRUCTION TYPE, ACTUAL HEIGHT (IN FEET), ALLOWABLE (TABLE 504.3), ACTUAL HEIGHT (IN STORIES), ALLOWABLE (TABLE 504.4)

- (NS) NON-SPRINKLERED
(S1) SPRINKLERED ONE-STORY
(SM) SPRINKLERED MULTIPLE STORIES
UNLIMITED AREA
PARTIALLY SPRINKLERED, PLEASE DESCRIBE:
NFPA 13
NFPA 13R
NFPA 13D
NFPA 72 - FIRE ALARM

FIRE ALARM COVERAGE: COMPLETE PARTIAL NONE
TYPE: AUTOMATIC DETECTION MANUAL ALARM
MONITORING TYPE: CENTRAL STATION PROPRIETARY SUPERVISION
REMOTE SUPERVISION PROTECTED PREMISES

- FRONTAGE INCREASES FROM SECTION 506.3
A. PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MIN. WIDTH = (F)
B. TOTAL BUILDING PERIMETER = (P)
C. RATIO (F/P) = (F/P)
F. W = MINIMUM WIDTH OF PUBLIC WAY = OR WEIGHTED AVE. = [(L1 x w1) + (L2 x w2) + (L3 x w3)...] / F
G. FRONTAGE INCREASE IF = [F/P - 0.25] X W/30 =

MAXIMUM BUILDING AREA FROM SECTION 506.2
Aa = ALLOWABLE AREA (SQUARE FEET)
At = TABULAR ALLOWABLE AREA FACTOR
NS = TABULAR ALLOWABLE AREA FACTOR FOR NON-SPRINKLERED BUILDING (REGARDLESS OF SPRINKLERING)
If = AREA FACTOR INCREASE DUE TO FRONTAGE (FROM ABOVE CALCULATION)
Sa = ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE PLANE (MAX. 3 FOR NS, 4 FOR SPRINKLERED)
SECTION 506.2.1 MAXIMUM BUILDING AREA FOR A SINGLE-OCCUPANCY, ONE-STORY BUILDING
Aa = At + (NS x If)
SECTION 506.2.2 MIXED-OCCUPANCY, ONE STORY BUILDINGS
(OCCUPANCY 1 Aa / ALLOWABLE AREA) + (OCCUPANCY 2 Aa / ALLOWABLE AREA) + ... < 1.0 IS OK
SECTION 506.2.3 SINGLE-OCCUPANCY, MULTISTORY BUILDINGS
Aa = [At + (NS x If)] x Sa
SECTION 506.2.4 MIXED OCCUPANCY, MULTISTORY BUILDINGS
EACH STORY (3 STORY MAX.) TO INDIVIDUALLY COMPLY USING MOST RESTRICTIVE OCCUPANCY IF UNSEPARATED
IF SEPARATED: (OCCUPANCY 1 ACTUAL AREA / TABULAR ALLOWABLE AREA) + (OCC. 2...) + ... < 1.0 IS OK

Table with 6 columns: STORY NUMBER, DESCRIPTION AND USE, BUILDING AREA PER STORY (ACTUAL), TABLE 506.2 AREA, FRONTAGE INCREASE, ALLOWABLE AREA PER STORY OR UNLIMITED

508.2 MAIN OCCUPANCY ACCESSORY OCCUPANCY
508.3.3 UNSEPARATED OCCUPANCIES AND
TABLE 508.4 REQUIRED SEPARATION OF OCCUPANCIES AND = HOURS
TABLE 509: LIST INCIDENTAL USES.

TABLE 601 FIRE PROTECTION REQUIREMENTS

Table with 4 columns: BUILDING ELEMENT, FIRE SEPARATION DISTANCE (FEET), RATING PROVIDED, DESIGN SOURCE FOR RATED ASSEMBLY (ex. UL #)

FIRE SEPARATION REQUIREMENTS PER TABLE 602: EXTERIOR NON-BEARING WALLS AND PARTITIONS

Table with 5 columns: FIRE SEPARATION DIST., CONSTRUCTION TYPE, OCCUPANCY, USE, FIRE RATING (HOURS)

PERCENTAGE OF WALL OPENING PER TABLE 705.8

Table with 5 columns: ELEVATION, FIRE SEPARATION (FEET) FROM PROPERTY LINES, DEGREE OF OPENINGS PROTECTION (T.705.8), ALLOWABLE AREA(%), ACTUAL SHOWN ON PLANS (%)

FIRE AREA RATING REQUIREMENTS FOR FIRE BARRIER OR HORIZONTAL ASSEMBLIES TABLE 707.3.10

Table with 4 columns: LOCATION, OCCUPANCY GROUP, FIRE-RESISTANCE RATING REQUIRED, FIRE-RESISTANCE RATING PROVIDED

OPENING FIRE PROTECTION ASSEMBLIES, RATINGS AND MARKINGS TABLE 716.5

Table with 7 columns: TYPE OF ASSEMBLY, REQ'D WALL ASSEMBLY RATING (HR), MIN. FIRE DOOR ASSY RATING (HR), DOOR VISION PANEL SIZE, FIRE-RATED DOOR GLAZING VISION PANEL, MIN. SIDELIGHT / TRANSOM ASSY RATING (HR), FIRE-RATED GLAZING SIDELIGHT / TRANSOM PANEL

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY TABLE 803.11

Table with 4 columns: OCCUPANCY GROUP, INTERIOR EXIT STAIRWAYS / RAMPS / PASSAGEWAYS, CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS/RAMPS, ROOMS AND ENCLOSED SPACES

OCCUPANT LOAD CALCULATIONS

Table with 10 columns: OCCUPANCY TYPE, AREA PER FLOOR (BASEMENT, FIRST, SECOND, THIRD, ROOF, TOTAL), 1004.1.2 AREA / OCCUPANT, NUMBER OF OCCUPANTS, SPRINKLER RECD, 903.2

Table with 6 columns: FLOOR LEVEL, OCCUPANT LOAD PER FLOOR, EGRESS REQUIRED 1005.3 (STAIR, OTHER), EGRESS PROVIDED (STAIR, OTHER)

(1006: SINGLE OR MULTIPLE EXITS REQUIRED, BASED ON DISTANCE / # OF OCCUPANTS; 1017.2: TOTAL EXIT ACCESS TRAVEL DISTANCE ALLOWED)

Table with 6 columns: FLOOR, ROOM, SPACE PER STORY, INC., MINIMUM NUMBER OF EXITS (1006) REQUIRED, ACTUAL, TRAVEL DISTANCE (1017) ALLOWABLE, ACTUAL, REMOTENESS OF EXITS OR EXIT ACCESS DOORWAYS (1007.1.1) REQUIRED, ACTUAL

CORRIDOR FIRE-RESISTANCE RATING (TABLE 1020.1): MINIMUM WIDTH (TABLE 1020.2):

ACCESSIBILITY

Table with 4 columns: ACCESSIBLE UNIT TYPE, TOTAL UNITS, ACCESSIBLE UNITS REQUIRED, ACCESSIBLE UNITS PROVIDED

PLUMBING FIXTURE REQUIREMENTS PER 2902.1

Table with 7 columns: OCCUPANCY TYPE, WATER CLOSET (M, W, UNISEX), LAVATORY (M, W, UNISEX), SHOWER / TUB, DRINKING FOUNTAIN (REGULAR, ACCESSIBLE), SERVICE SINK

ELEVATORS AND CONVEYING SYSTEMS - CHAPTER 30

ELEVATOR ESCALATOR PLATFORM LIFT STAIRWAY CHAIRLIFT DUMBWAITER
ELEVATOR: SIZED TO ACCOMMODATE AN UNFOLDED AMBULANCE TYPE STRETCHER? 3002.4/SPS 362.3002(1)
- MEETS HIGH RISE REQUIREMENTS IN 403.6 AND 911
- FIRE SERVICE ACCESS ELEVATOR REQUIRED (120) PER 403.6.1 AND 3007
- SERVES AS AN OCCUPANT EVACUATION ELEVATOR PER 403.6.2 AND 3007
- EQUIPPED WITH EMERGENCY STAND-BY POWER (REQUIRED OR VOLUNTARY) PER 3003
- DOOR AT THE LOCATION OF A HOISTWAY ENTRANCE TO LIMIT TRANSMISSION OF SMOKE INTO/OUT OF THE HOISTWAY PER ASME A17.1, 2.11.6.3, PARTICULARLY (4) FOR THE ABILITY TO SEE THROUGH THE DOOR WITH THE ELEVATOR HOISTWAY CAR AND HOISTWAY DOORS ONLY 1/4 OPEN

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COMMECHK/RE-SHECK ATTACHED: IECC 2015 ASHRAE 90.1-2013
PRESCRIPTIVE (COMPLETE CHART BELOW): IECC 2015 ASHRAE 90.1-2013
OTHER, PLEASE DESCRIBE:

PROJECT LOCATION: COUNTY ; ZONE: 6A 7
OCCUPANCY GROUP: R OTHER

Table with 2 columns: STRUCTURAL DESIGN (RISK CATEGORY, LIVE LOADS, GROUND SNOW LOAD, WIND LOAD, ASSUMED SOIL BEARING PRESSURE, SEISMIC DESIGN CATEGORY) and MECHANICAL SUMMARY (THERMAL ZONE, INTERIOR DESIGN CONDITIONS, BUILDING HEATING LOAD, MECHANICAL SPACING CONDITIONING SYSTEM, UNITARY: DESCRIPTION OF UNIT, BOILER: SIZE CATEGORY, CHILLER: SIZE CATEGORY, LIST EQUIPMENT EFFICIENCIES)

CODE LEGEND:

Table with 2 columns: Symbol, Description (INDICATES OCCUPANCY LOAD, ACCESSIBLE EXIT PATH, HOUR RATED FIRE BARRIER, ELEVATION OF FINISH FLOOR, EXIT WAY IN INCHES, FIRE EXTINGUISHER)

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