

MECHANICAL PLAN REVIEW RECORD

FBC 5th Edition 2014 Mechanical Code

Numerals Indicated in Parenthesis are Applicable Code Sections

PERMIT:

DATE:

PROJECT:

REVIEWER: _____

LOCATION:

USE GROUP:

CONST. TYPE:

CLASSIFICATION:

SCOPE OF WORK:

DESIGN SCOPE: > 15 TONS PER SYSTEM OCCUPANT LOAD 100 or MORE > \$125,000

DESIGN REQUIREMENTS: SEALED & SIGNED DOCUMENTS BY P.E. INSTALLING HVAC CONTRACTOR

- SCOPE OF REVIEW:**
- | | | |
|---|---|---|
| <input type="checkbox"/> 4 - VENTILATION | <input type="checkbox"/> 5 - EXHAUST SYSTEMS | <input type="checkbox"/> 6 - DUCT SYSTEMS |
| <input type="checkbox"/> 7 - COMBUSTION AIR | <input type="checkbox"/> 8 - CHIMNEYS & VENTS | <input type="checkbox"/> 9 - APPLIANCES, EQUIPMENT & FIREPLACES |
| <input type="checkbox"/> 10 - BOILERS, WATER HEATERS & PRESSURE VESSELS | <input type="checkbox"/> 11 - REFRIGERATION | <input type="checkbox"/> 12 - HYDRONIC PIPING |
| <input type="checkbox"/> 13 - FUEL OIL PIPING & STORAGE | <input type="checkbox"/> 14 - SOLAR SYSTEMS | <input type="checkbox"/> FUEL GAS |

SPECIFIC APPLIANCES & EQUIPMENT

- | | |
|---|--|
| <input type="checkbox"/> SECTION 902 MASONRY FIREPLACES | <input type="checkbox"/> SECTION 903 FACTORY-BUILT FIREPLACES |
| <input type="checkbox"/> SECTION 904 PELLET FUEL-BURNING APPLIANCES | <input type="checkbox"/> SECTION 905 FIREPLACE STOVES AND ROOM HEATERS |
| <input type="checkbox"/> SECTION 906 FACTORY-BUILT BARBECUE APPLIANCES | <input type="checkbox"/> SECTION 907 INCINERATORS AND CREMATORIES |
| <input type="checkbox"/> SECTION 908 COOLING TOWERS, EVAPORATIVE CONDENSERS AND FLUID COOLERS | |
| <input type="checkbox"/> SECTION 909 VENTED WALL FURNACES | <input type="checkbox"/> SECTION 910 FLOOR FURNACES |
| <input type="checkbox"/> SECTION 911 DUCT FURNACES | <input type="checkbox"/> SECTION 912 INFRARED RADIANT HEATERS |
| <input type="checkbox"/> SECTION 913 CLOTHES DRYERS | <input type="checkbox"/> SECTION 914 SAUNA HEATERS |
| <input type="checkbox"/> SECTION 915 ENGINE AND GAS TURBINE-POWERED EQUIPMENT AND APPLIANCES | |
| <input type="checkbox"/> SECTION 916 POOL AND SPA HEATERS | <input type="checkbox"/> SECTION 917 COOKING APPLIANCES |
| <input type="checkbox"/> SECTION 918 FORCED-AIR WARM-AIR FURNACES | <input type="checkbox"/> SECTION 919 CONVERSION BURNERS |
| <input type="checkbox"/> SECTION 920 UNIT HEATERS | <input type="checkbox"/> SECTION 921 VENTED ROOM HEATERS |
| <input type="checkbox"/> SECTION 922 KEROSENE AND OIL-FIRED STOVES | <input type="checkbox"/> SECTION 923 SMALL CERAMIC KILNS |
| <input type="checkbox"/> SECTION 924 STATIONARY FUEL CELL POWER SYSTEMS | <input type="checkbox"/> SECTION 925 MASONRY HEATERS |
| <input type="checkbox"/> SECTION 926 GASEOUS HYDROGEN SYSTEMS | <input type="checkbox"/> SECTION 927 RADIANT HEATING SYSTEMS |
| <input type="checkbox"/> SECTION 928 EVAPORATIVE COOLING EQUIPMENT | |

MINIMUM PLAN REVIEW CRITERIA (FBC 107.3.5)

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> ASHRAE/ACCA STANDARD 183 <u>or</u> ACCA MANUAL N | <input type="checkbox"/> EQUIPMENT LIST / DATA | <input type="checkbox"/> EQUIPMENT LOCATION | |
| <input type="checkbox"/> ENERGY FORMS | <input type="checkbox"/> CLOTH. DRYER EXHAUST | <input type="checkbox"/> ASHRAE HANDBOOK OF FUND. <u>or</u> APPROVED METHOD | |
| <input type="checkbox"/> MAKE-UP AIR | <input type="checkbox"/> ROOF MOUNTED EQUIP. | <input type="checkbox"/> KIT. EQUIP. EXHAUST | <input type="checkbox"/> SPECIALTY EXHAUST |
| <input type="checkbox"/> CHIMNEYS | <input type="checkbox"/> FIREPLACES | <input type="checkbox"/> DUCT SYSTEM | <input type="checkbox"/> COMBUSTION AIR |
| <input type="checkbox"/> BOILERS | <input type="checkbox"/> REFRIGERATION | <input type="checkbox"/> VENTS | <input type="checkbox"/> APPLIANCES |
| <input type="checkbox"/> TYPE OF GAS | <input type="checkbox"/> RISER DIAGRAM | <input type="checkbox"/> BATH VENTILATION | <input type="checkbox"/> LABORATORY |
| | | <input type="checkbox"/> GAS PIPING | <input type="checkbox"/> VENTING - FUEL GAS |

3 - GENERAL/ VENTILATION EXHAUST 4 - HOODS & EXHAUST 5 - DUCT SYSTEMS 6 - HAZARDOUS / SOLAR / HYDRONIC

7 - CHIMNEY/VENTS/COMBUSTION AIR 8 - REFRIG./ BOILERS / WATER HEATERS 9 - REQUIRED SYSTEMS/FUEL OIL- FFPC See Fuel Gas Plan Review Record

CORRECTION LIST

ITEM NO.	DESCRIPTION	CODE SECTION
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GENERAL REGULATIONS

- WIND RESISTANCE (301.15) See FBC-B
- HAZARDOUS LOCATIONS (303.2)
- PROTECTION FROM DAMAGE (303.4)
- PIT LOCATIONS (303.7)
- PUBLIC GARAGES (304.6)
- CLEARANCES TO GRADE (304.10)
- PIPING SUPPORT (305)
- CENTRAL FURNANCES - WORKING SPACE (306.1.1)
- APPLIANCES IN ATTICS (306.3)
- APPLIANCES UNDER FLOORS (306.4)
- EQUIPMENT/APPLIANCES ON ROOFS (306.5)(306.5.1)
- CLEARANCE REDUCTION (308)
- FLOOD HAZARD (301.16) See Section 1612 FBC-B
- PROHIBITED LOCATIONS (303.3) (303.8)
- INDOOR LOCATIONS - CLOSETS / ALCOVES (303.5)
- ELEVATION OF IGNITION SOURCE (304.3)
- PRIVATE GARAGES (304.7)
- GUARDS (304.11) See FBC-Building
- ACCESS FOR MAINTENANCE & REPLACEMENT (306.1)
- APPLIANCES IN ROOMS (306.2)
- LIGHT/SWITCH/RECEPTACLE IN ATTICS (306.3.1)
- LIGHT/SWITCH/RECEPTACLE UNDER FLOOR (306.4.1)
- CONDENSATE DISPOSAL & SIZING (307)
- HEATING REQUIREMENTS (309.1) See FBC - Building

CLOTHES DRYER EXHAUST

- INSTALLATION (504.1)
- CLEANOUTS (504.3)
- MAKEUP AIR (504.5)
- DUCT INSTALLATION (504.6.2)
- DUCT LENGTH (504.6.4) See Table 504.6.4.1
- MANUFACTURER'S INSTRUCTIONS (504.6.4.2)
- EXHAUST DUCT REQUIRED (504.6.6)
- COMMERCIAL CLOTHES DRYERS (504.7)
- EXHAUST PENETRATION (504.2)
- EXHAUST INSTALLATION (504.4)
- DOMESTIC CLOTHES DRYER DUCTS (504.6)
- TRANSITION DUCTS (504.6.3)
- SPECIFIED LENGTH (504.6.4.1)
- LENGTH IDENTIFICATION (504.6.5)
- PROTECTION REQUIRED (504.6.7)
- COMMON EXHAUST / MULTISTORY (504.8)

DOMESTIC KITCHEN EXHAUST EQUIPMENT

- DOMESTIC SYSTEMS - DUCTS (505.1)
- MAKEUP AIR REQUIRED (505.2)

SPECIFIC ROOMS

- BATHROOMS (502.18) See Mechanical Ventilation
- SMOKING LOUNGES (502.18) See MechanicalVent.
- TOILET ROOMS (502.18) See Mechanical Ventilation
- LOCKER ROOMS (502.18) See Mechanical Ventilation

MECHANICAL VENTILATION

- REQUIRED VENTILATION (401.2) (401.3)
- NATURAL VENTILATION (402)
- OUTDOOR AIRFLOW RATE (403.3) See Table 403.3
- SYSTEM OUTDOOR AIRFLOW (403.3.2)
- SYSTEM CONTROLS - MANUAL OR AUTO (405)
- INTAKE OPENING LOCATION (401.4) (401.5)(401.6)
- MECHANICAL VENTILATION (403)
- ZONE OUTDOOR AIRFLOW (403.3.1)
- ENCLOSED PARKING GARAGE (404)
- VENTING UNINHABITED SPACES (406) See FBC-B

EXHAUST SYSTEMS

- INDEPENDENT SYSTEMS REQUIRED (501.2)
- LOCATION OF EXHAUST OUTLETS (501.3.1)
- PRESSURE EQUALIZATION (501.4)
- EXHAUST DISCHARGE (501.3)(501.3.1.1)
- EXHAUST OPENING PROTECTION (501.3.2)
- EXHAUST DUCT CONSTRUCTION (501.5)

FANS & MOTORS

- SIZE, LOCATION, OPERATION, ACCESS (503.1)
- EQUIPMENT & APPLIANCE I.D. PLATES (503.3)
- FANS - TYPE OF BLADES (503.2)
- CORROSION-RESISTANT RANS (503.4)

COMMERCIAL KITCHEN DUCTS AND EXHAUST

GENERAL - COMPLIANCE & DESIGN (506.1)

DUCTS SERVING TYPE 1 HOODS

- GREASE DUCT MATERIAL (506.3.1.1)
- JOINTS, SEAMS & PENETRATIONS (506.3.2)
- DUCT-TO-HOOD JOINTS (506.3.2.2)
- VIBRATION ISOLATION (506.3.2.4)
- GREASE DUCT SUPPORTS (506.3.3)
- SEPARATION OF GREASE DUCT SYSTEMS (506.3.5)
- GREASE ACCUMULATION IN DUCTS (506.3.7)
- GREASE DUCT CLEANOUTS AND OPENINGS (506.3.8)
- CLEANOUTS SERVING IN-LINE FANS (506.3.8.2)
- UNDERGROUND GREASE DUCT INSTALLS (506.3.10)
- SHAFT ENCLOSURES (506.3.11.1)
- FACTORY-BUILT DUCT ASSEMBLIES (506.3.11.3)
- DUCT FIRE-RESISTIVE ACCESS OPENING (506.3.12)
- TERMINATION ABOVE ROOF (506.3.13.1)
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- TYPE I HOOD - CLEARANCES (506.5.4)

CORROSION PROTECTION (506.2)

- DUCT MATERAIL (506.3.1)
- MAKEUP AIR DUCTS (506.3.1.2)
- DUCT JOINT TYPES (506.3.2.1)
- DUCT-TO-EXHAUST FAN CONNECTIONS (506.3.2.3)
- GREASE DUCT TEST (506.3.2.5)
- AIR VELOCITY (506.3.4)
- GREASE DUCT CLEARANCES (506.3.6)
- GREASE RESERVIORS (506.3.7.1)
- PERSONNEL ENTRY (506.3.8.1)
- GREASE DUCT HORIZONTAL CLEANOUTS (506.3.9)
- GREASE DUCT ENCLOSURES (506.3.11)
- FIELD-APPLIED DUCT ENCLOSURES (506.3.11.2)
- DUCT ENCLOSURE NOT REQUIRED (506.3.11.4)
- EXHAUST OUTLETS - TYPE 1 HOODS (506.3.13)
- TERMINATION THRU EXTERIOR WALL (506.3.13.2)
- TYPE I - EXHAUST FANS HOUSINGS (506.5.1)
- TYPE I TERMINATION LOCATION (506.5.5)

DUCTS SERVING TYPE II HOODS (506.4)

- TYPE II - DUCTS & PLENUMS (506.4.1)
- TYPE II TERMINATIONS (506.4.2)

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- EXHAUST EQUIPMENT (506.5)
- EXHAUST FAN DISCHARGE - LOCATION (506.5.2)
- FAN MOTORS - EXHAUST AIRSTREAM (506.5.1.1)
- EXHAUST FAN MOUNTING - UPBLAST FAN (506.5.3)

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- GENERAL - TYPE, OPERATION & EXCEPTIONS (507.1)
- DOMESTIC APPLIANCES - COMMERCIAL USE(507.2.3)

TYPE I HOODS

- OPERATION (507.2.1.1)
- TYPE 1 HOOD MATERIAL (507.4)
- HOOD JOINTS, SEAMS & PENETRATIONS (507.7.1)
- CLEARANCES FOR TYPE I HOODS (507.9)
- GREASE FILTERS (507.11)
- FILTER SIZE, TYPE, ARRANGEMENT (507.11.1)

- WHERE REQUIRED & EXCEPTION (507.2)
- FUEL-BURNING APPLIANCES - INTERFERENCE (507.3)
- TYPE I HOOD DUTY RATING & EXCEPTION (507.2.1)
- EXHAUST FLOW RATES (507.2.1.2)
- SUPPORTS (507.6)
- CLEANING & GREASE GUTTERS (507.8)
- TYPE I HOODS PENETRATING A CEILING (507.10)
- GREASE FILTER/COOKING SURFACE-See Table 507.11

TYPE II HOODS

- TYPE II HOOD MATERIAL (507.5)
- HOOD JOINTS, SEAMS & PENETRATIONS (507.7.2)

- MOUNTING POSITION (507.11.2)
- TYPE II HOOD - WHEN REQUIRED (507.2.2)
- SUPPORTS (507.6)
- CLEANING & GREASE GUTTERS (507.8)

CANOPY -TYPE / TYPE I & II HOODS

- CANOPY SIZE AND LOCATION (507.12)
- EXTRA-HEAVY-DUTY APPLIANCES (507.13.1)
- MEDIUM-DUTY COOKING APPLIANCES (507.13.3)
- DISHWASHING APPLIANCES (507.13.5)
- EXHAUST OUTLETS (507.15)

- CAPACITY OF HOODS (507.13)
- HEAVY-DUTY COOKING APPLIANCES (507.13.2)
- LIGHT-DUTY COOKING APPLIANCES (507.13.4)
- NON-CANOPY SIZE & LOCATION (507.14)
- COMMERCIAL KITCHEN MAKEUP AIR (508)**

DUCTS SYSTEMS

- AIR MOVEMENT IN EGRESS ELEMENTS (601.2)
- DUCTWORK/EXIT ENCLOSURE VENTILATION (601.3)
- BALANCED RETURN AIR (601.5)
- PLENUM CONSTRUCTION (602.2)
- WIRING IN PLENUMS (602.2.1.1)
- PNEUMATIC TUBING (602.2.1.3)
- FOAM PLASTIC INSULATION IN PLENUMS (602.2.1.5)
- FLOOD HAZARD / PLENUM SPACES (602.4)
- CORRIDOR CEILINGS (601.2.1)
- CONTAMINATION PREVENTION (601.4)
- PLENUM LOCATION (602.1)
- MATERIALS IN PLENUMS (602.2.1)
- FIRE SPRINKLER PIPING IN PLENUMS (602.2.1.2)
- ELECTRICAL EQUIPMENT IN PLENUMS (602.2.1.4)
- STUD CAVITY / JOIST SPACE PLENUMS (602.3)

DUCT CONSTRUCTION & INSTALLATION

- SUFFICIENT SPACE PROVIDED (603.1.1)
- DUCT CLASSIFICATION (603.3)
- NONMETALLIC DUCTS - SMANCA/NAIMA (603.5)
- FLEXIBLE AIR DUCTS & CONNECTORS (603.6)
- UNDERGROUND DUCTS (603.8)
- SUPPORTS - SMACNA (603.10)
- CONDENSATION (603.12)
- LOCATION (603.14)
- WEATHER PROTECTION (603.16)
- REGISTERS, GRILLES AND DIFFUSERS (603.18)
- AIR FILTERS - LOCATION / AIRFLOW (605)
- DUCT SIZING (603.2)
- METALLIC DUCTS - SMACNA HVAC DUCT... (603.4)
- GYPSUM DUCTS - AIR SHAFTS (603.5.1)
- RIGID DUCT PENETRATIONS (603.7)
- JOINTS, SEAMS AND CONNECTIONS (603.9)
- FURNACE CONNECTIONS & CLEARANCES (603.11)
- FLOOD HAZARD AREAS (603.13)
- MECHANICAL PROTECTION FROM DAMAGE (603.15)
- AIR DISPERSION SYSTEMS (603.17)
- DUCT INSULATION / PROTECTION (604)

SMOKE DETECTION SYSTEM CONTROLS

- WHERE REQUIRED (606.2)
- COMMON SUPPLY & RETURN AIR SYSTEMS (606.2.1)
- CONTROLS OPERATIONS & SHUT DOWN (606.4)
- CONTROLS REQUIRED - UL LISTED & LABELED (606.1)
- RETURN AIR SYSTEMS > 2000CFM (606.2.1)
- INSTALLATION - NFPA 72 (606.3)
- SUPERVISION & FIRE ALARM SYSTEM (606.4.1)

DUCT AND TRANSFER OPENINGS

- PENETRATE NON-FIRE RATED ASSEMBLIES (607.1.1.1)
- PENETRATE FIRE RATED ASSM/NO DAMPER (607.1.1)

FIRE & SMOKE DAMPERS/RADIATION DAMPERS

- WHERE REQUIRED (607.5.1 THRU 607.5.7)
- SMOKE CONTROL CONFLICTS (607.2.1)
- DAMPER TESTING, RATINGS & ACTUATION (607.3)
- DAMPERS IN HORIZONTAL ASSEMBLIES (607.6)
- INSTALLATION (607.2)
- FIRE DAMPERS / HAZARDOUS EXHAUST (607.2.2)
- ACCESS & IDENTIFICATION (607.4)
- FLEXIBLE DUCTS & AIR CONNECTORS (607.7)

ENERGY RECOVERY VENTILATION SYSTEMS

- COMPLIANCE WITH ENERGY CODE (514.1)
- MEANS OF ACCESS (514.3)
- PROHIBITED APPLICATIONS (514.2)
- RECIRCULATED AIR (514.4)

HAZARDOUS EXHAUST SYSTEMS

- | | |
|--|---|
| <input type="checkbox"/> WHERE REQUIRED (510.2) | <input type="checkbox"/> DESIGN & OPERATION (510.3) |
| <input type="checkbox"/> INDEPENDENT SYSTEM (510.4) | <input type="checkbox"/> DESIGN - SYSTEMS FOR REMOVAL (510.5) |
| <input type="checkbox"/> PENETRATIONS OF STRUCTURAL ELEMENTS (510.6) | <input type="checkbox"/> SUPPRESSION REQUIRED (510.7) |
| <input type="checkbox"/> DUCT CONSTRUCTION (510.8) | <input type="checkbox"/> DUCT SUPPORT (510.9) |

DUST, STOCK AND REFUSE CONVEYING SYSTEMS

- | | |
|--|---|
| <input type="checkbox"/> COLLECTORS & SEPARATORS (511.1.1) | <input type="checkbox"/> DISCHARGE PIPES (511.1.2) |
| <input type="checkbox"/> CONVEYING SYSTEMS EXHAUST SYSTEMS (511.1.3) | <input type="checkbox"/> SPARK PROTECTION (511.1.4) |
| <input type="checkbox"/> EXPLOSION RELIEF VENTS (511.1.5) | <input type="checkbox"/> SCREENS - SAFETY RELIEF VENT (511.1.5.1) |
| <input type="checkbox"/> HOODS (511.1.5.2) | <input type="checkbox"/> EXHAUST OUTLETS (511.2) See Table 511.2 |

SUBSLAB SOIL EXHAUST SYSTEMS

- | | |
|--|--|
| <input type="checkbox"/> MATERIALS (512.2) | <input type="checkbox"/> GRADE & MINIMUM SLOPE (512.3) |
| <input type="checkbox"/> TERMINATION (512.4) | <input type="checkbox"/> IDENTIFICATION (512.5) |

SOLAR SYSTEMS

- | | |
|---|--|
| <input type="checkbox"/> POTABLE WATER SUPPLY (1401.2) See FBC-P | <input type="checkbox"/> HEAT EXCHANGERS (1401.3) |
| <input type="checkbox"/> SOLAR ENERGY EQUIPMENT & APPLIANCES (1401.4) | <input type="checkbox"/> DUCTS - (1401.5) - See Duct Section |
| <input type="checkbox"/> ACCESS FOR MAINTENANCE (1402.1) | <input type="checkbox"/> PROTECTION OF EQUIPMENT (1402.2) |
| <input type="checkbox"/> CONTROLLING CONDENSATION (1402.) | <input type="checkbox"/> ROOF-MOUNTED COLLECTORS (1402.4) |
| <input type="checkbox"/> EQUIPMENT - PRESSURE & TEMPERATURE, VACUUM, FREEZING, PENETRATIONS, & FILTERING (1402.5) | |
| <input type="checkbox"/> HEAT TRANSFER LIQUIDS - FLASH POINTS (1403.1) | <input type="checkbox"/> FLAMMABLE GASES & LIQUIDS (1403.2) |
| <input type="checkbox"/> FACTORY-BUILT COLLECTORS - LISTED (1404.1) | <input type="checkbox"/> THERMAL STORAGE UNITS - LISTED (1404.2) |

HYDRONIC PIPING

- | | |
|--|--|
| <input type="checkbox"/> SCOPE, SIZING & STANDARDS (1201.1) | <input type="checkbox"/> PIPING MATERIAL (1202.1) See Table 1204.4 |
| <input type="checkbox"/> PIPE FITTINGS (1201.5) See Table 1202.5 | <input type="checkbox"/> VALVES (1202.6) |
| <input type="checkbox"/> FLEXIBLE CONNECTORS & COMPENSATORS (1202.7) | <input type="checkbox"/> JOINTS & CONNECTORS - APPROVED TYPE (1203.1) |
| <input type="checkbox"/> JOINTS - DIFFERENT PIPING MATERIAL (1203.1.1) | <input type="checkbox"/> PREPARATIONS OF PIPE ENDS (1203.2) |
| <input type="checkbox"/> JOINT PREPARATION & INSTALLATION (1203.3) | <input type="checkbox"/> PIPE & TUBING - See 1203.4 thru 1203.19) |
| <input type="checkbox"/> PIPE INSULATION CHARACTERISTICS (1204.1) | <input type="checkbox"/> INSULATION REQUIRED THICKNESS (1204.2) FBC-EC |
| <input type="checkbox"/> VALVES - WHERE REQUIRED (1205.1) | <input type="checkbox"/> REDUCED PRESSURE/PRESS. RELIEF VALVE(1205.2) |
| <input type="checkbox"/> SYSTEM DRAIN DOWN - (1206.2) | <input type="checkbox"/> PROTECTION OF POTABLE WATER SUPPLY (1206.3) |
| <input type="checkbox"/> PIPE PENETRATIONS (1206.4) | <input type="checkbox"/> CLEARANCE TO COMBUSTIBLE (1206.5) |
| <input type="checkbox"/> CONTACT WITH BUILDING MATERIAL (1206.6) | <input type="checkbox"/> WATER HAMMER CONTROL (1206.7) |
| <input type="checkbox"/> STEAM PIPING PITCH (1206.8) | <input type="checkbox"/> STRAINS & STRESSES (1206.9) |
| <input type="checkbox"/> PIPE SUPPORT (1206.11) | <input type="checkbox"/> CONDENSATION (1206.11) |
| <input type="checkbox"/> TRANSFER FLUID FLASH POINT (1207.1) | <input type="checkbox"/> MAKEUP WATER (1207.2) |
| <input type="checkbox"/> TESTING - SECTION 1208 | <input type="checkbox"/> EMBEDDED PIPING - SECTION 1209 |

CHIMNEYS

- VENTING SCOPE-FUEL BURNING APPLIANCES (801.2)
- DESIGN - PER CODE or ENGINEERED (801.5)
- SOLID FUEL APPLIANCE FLUES (801.7)
- POSITIVE PRESSURE - FORCED or INDUCED (801.9)
- MULTIPLE SOLID FUEL VENTING PROHIBITED(801.11)
- MASONRY FLUE CLEANOUTS (801.13)
- FUEL-FIRED APPLIANCES - MASONRY CHIM. (801.15)
- EXISTING CHIMNEYS & VENTS (801.18)
- MASONRY CHIMNEYS (801.3) See FBC-B
- MINIMUM SIZE OF CHIMNEY or VENT (801.6)
- ABANDONED INLET OPENINGS (801.8)
- CONNECTION TO FIREPLACE (801.10)
- CHIMNEY ENTRANCE (801.12)
- CONNECTION TO EXHAUSTERS (801.14)
- MASONRY CHIMNEYS - FLUE LINING (801.16)(801.17)
- MULTISTORY - COMMON VENTING (801.19)

VENTS

- GENERAL - VENT LISTINGS (802.1)
- INSTALLATION PER MANUFACTURER (802.3)
- TYPE L VENT TERMINATIONS (802.5)
- SUPPORT OF VENTS (802.7)
- TYPE OF VENTS - TYPE B, TYPE L, PELLET (802.2)
- VENT TERMINATION CAPS REQUIRED (802.4)
- MINIMUM VENT HEIGHTS (802.6)
- INSULATION SHIELDS (802.8)

CONNECTORS

- CONNECTORS REQUIRED (803.1)
- SIZE OF CONNECTORS (803.3)
- MANUAL DAMPERS (803.5)
- CONNECTORS - TWO or MORE APPLIANCES (803.7)
- CHIMNEY CONNECTOR CONSTRUCTION (803.9)
- LOCATION OF CONNECTORS (803.2)
- BRANCH CONNECTORS (803.4)
- AUTOMATIC DAMPERS (803.6)
- VENT CONNECTOR CONSTRUCTION (803.8)
- CONNECTOR INSTALLATION (803.10)

DIRECT-VENT, INTEGRAL VENT AND MECHANICAL DRAFT SYSTEMS

- DIRECT-VENT TERMINATION (804.1)
- MECHANICAL DRAFT SYSTEMS (804.3)
- APPLIANCES WITH INTEGRAL VENTS (804.2)
- FACTORY-BUILT & METAL CHIMNEYS (805 & 806)

COMBUSTION AIR

- SOLID FUEL-BURNING APPLIANCES - MANF. (701.1)
- FIREPLACES / STOVES, DIRECT-VENT (701.1) - N/A
- APPLIANCE LOCATION (FG304.2)
- MAKEUP AIR PROVISIONS (FG304.4)
- COMBINING SPACES ON SAME STORY (FG304.5.3.1)
- INDOOR OPENING SIZE & LOCATION (FG304.5.3)
- TWO-PERMANENT-OPENINGS METHOD (FG304.6.1)
- INDOOR & OUTDOOR COMBUSTION AIR (FG304.7)
- OUTDOOR OPENING LOCATIONS (FG304.7.2)
- ENGINEERED INSTALLATIONS (FG304.8)
- MECHANICAL - MAKEUP AIR (FG304.9.1)
- COMBINED COMB. AIR & VENT. AIR SYS. (FG304.9.3)
- COMBUSTION AIR DUCTS (304.11)
- OIL-FIRED APPLIANCES - NFPA 31 (701.1)
- GAS-FIRED APPLIANCES (701.1) See FUEL-GAS CODE
- DRAFT HOOD/REGULATOR LOCATION (FG304.3)
- INDOOR COMBUSTION AIR - METHODS (FG304.5)
- COMBINING SPACES DIFFER. STORIES (FG304.5.3.2)
- OUTDOOR COMBUSTIONS AIR - METHODS (FG304.6)
- ONE-PERMANENT-OPENING METHOD (FG304.6.2)
- INDOOR OPENINGS (FG304.7.1)
- OUTDOOR OPENING(S) SIZE (FG304.7.3)
- MECHANICAL COMBUSTION AIR SUPPLY (FG304.9)
- APPLIANCE INTERLOCK (FG304.9.2)
- LOUVERS & GRILLES (FG304.10)
- PROTECTION FROM FUMES & GASES (FG304.12)

REFRIGERATION

- FACTORY-BUILT EQUIPMENT & APPLIANCES (1101.2)
- WATER CONNECTION (1101.4) See FBC-P
- REFRIGERATION SYSTEMS - ASHRAE 15 (1101.6)
- MAINTENANCE (1101.7)
- REFRIGERANT DISCHARGE (1101.9) See FFPC
- SYSTEM REQUIREMENTS - GENERAL (1102.1)
- REFRIGERANT CLASSIFICATION (1103.1)
- SYSTEM CLASSIFICATION - LOW to HIGH (1103.3)
- MACHINERY ROOM & OCCUPANCY (1104.2)
- VOLUMN CALCULATIONS-SPACES/PLEMUNS(1104.4)
- DUCTS & AIR HANDLERS IN MACH. ROOMS (1105.2)
- REQUIRED PERIODIC TEST (1105.4)
- VENTILATION TO OUTDOORS (1105.6)
- AMMONIA DISCHARGE (1105.8)
- MACHINERY ROOM - ELEVATED TEMPS (1106.2)
- FLAMMABLE REFRIGERANTS (1106.4) See NFPA 70
- EMERGENCY SHUTOFF (1106.5.1) See FFPC
- EMERGENCY SIGNS & LABELS (1106.5.6) See FFPC
- PIPE ENCLOSURES (1107.3)
- MATERIALS FOR PIPING & TUBING (1107.5)
- EXPOSURE OF REFRIGERANT PIPE JOINTS (1107.7)
- FIELD TEST & CERTIFICATION (1108.4)
- PROTECTION FROM DAMAGE (1101.3)
- FUEL GAS CONNECTION (1101.5) See FBC-FG
- AMMONIA SYSTEMS - ASHRAE 15 & IAR2 (1101.6)
- CHANGE IN REFRIGERANT TYPE (1101.8)
- LOCKING ACCESS PORT CAPS (1101.10)
- REFRIGERANT - MIXING, MIXING, RECLAIM (1102.2)
- OCCUPANCY CLASSIFICATION - LOCATION (1103.2)
- SYSTEM APPLICATION REQUIREMENTS (1104.1)
- REFRIGERATION RESTRICTIONS (1104.3)
- MACHINERY ROOMS - DESIGN/CONST (1105.1) FBC-B
- REFRIGERANT DETECTORS (1105.3) See FFPC
- FUEL-BURNING APPLIANCES IN MACH. RM. (1105.5)
- TERMINATION OF RELIEF VALVES (1105.7)
- EMERGENCY PRESSURE CONTROL (1105.9) See FFPC
- AMMONIA ROOM VENTILATION (1106.3)
- REMOTE CONTROLS FOR EQUIPMENT (1106.5) FFPC
- VENTILATION ON-ONLY CONTROL (1106.5.2) FFPC
- REFRIGERANT PIPING LOCATION (1107.2)
- CONDENSATION (1107.4)
- JOINTS & REFRIGERANT PARTS IN AIR DUCTS (1107.6)
- STOP VALVES - WHEN REQUIRED (1107.8)
- PERIODIC TEST (1109.1) See FFPC

BOILERS, WATER HEATERS AND PRESSURE VESSELS

- SCOPE - INSTALLS, ALTERATIONS & REPAIR (1001.1)
- WATER HEATERS FOR SPACE HEATING (1002.2)
- BOILERS - STANDARDS (1004.1)
- WORKING CLEARANCES (1004.3)
- FLOORS - NONCOMBUSTIBLE (1004.5)
- OPERATING ADJUSTMENTS/INSTRUCTIONS (1004.7)
- SAFETY/PRESSURE RELIF VALVES/CONTROLS (1006)
- STEAM BLOWOFF VALVE (1008)
- GAUGES (1010)
- WATER HEATERS-INSTALL & REMOVAL(1002.1) FBC-P
- PRESSURE VESSELS - ASME BOILER PV CODE (1003.1)
- BOILER INSTALLATIONS (1004.2)
- MOUNTING EQUIPMENT (1004.4)
- BOILER ROOM ENCLOSURES (1004.6)
- BOILER CONNECTIONS - VALVES & WATER (1005)
- BOILER LOW-WATER CUTOFF (1007)
- HOT WATER BOILER EXPANSION TANK (1009)
- REQUIRED TEST & DOCUMENTATION (1011)

REQUIRED SYSTEMS

Florida Fire Prevention Code - Review Required

- | | |
|--|---|
| <input type="checkbox"/> REQUIRED MECHANICAL VENTILATION SYSTEMS SHALL BE SUPERVISED (502.4.3) (502.5.3) | |
| <input type="checkbox"/> EXHAUST LOCATION (502.1.1) | <input type="checkbox"/> FUEL-DISPENSING AREAS (502.1.2) |
| <input type="checkbox"/> EQUIPMENT/APPLIANCES/SERVICE ROOMS (502.1.3) | <input type="checkbox"/> HAZARDOUS EXHAUST (502.1.4) |
| <input type="checkbox"/> AIRCRAFT FUELING AND DEFUELING (502.2) | <input type="checkbox"/> BATTERY-CHARGING AREA - INDUSTRIAL (502.3) |
| <input type="checkbox"/> STATIONARY STORAGE BATTERY SYSTEMS (502.4) | <input type="checkbox"/> VALVE-REGULATED BATTERIES - VRLA (502.5) |
| <input type="checkbox"/> DRY CLEANING PLANTS (502.6) | <input type="checkbox"/> SPRAY / PAINT BOOTHS, SPACES, or ROOMS (502.7) |
| <input type="checkbox"/> VENTILATION DURING CONSTRUCTION (502.7.1) | <input type="checkbox"/> FLOOR RESURFACING OPERATION (502.7.7) |
| <input type="checkbox"/> HAZARDOUS MATERIAL (502.8) | <input type="checkbox"/> MEDICAL GAS SYSTEMS (502.9.1) |
| <input type="checkbox"/> CORROSIVES (502.9.2) | <input type="checkbox"/> CRYOGENICS (502.9.3) |
| <input type="checkbox"/> EXPLOSIVES (502.9.4) | <input type="checkbox"/> FLAMMABLE AND COMBUSTIBLE LIQUIDS (502.9.5) |
| <input type="checkbox"/> HIGHLY TOXIC/COMPRESSED GAS(502.9.7)(502.9.8) | <input type="checkbox"/> LP-GAS DISTRIBUTION FACILITIES (502.9.10) |
| <input type="checkbox"/> SILANE GAS (502.9.11) | <input type="checkbox"/> HAZARDOUS PRODUCTION MATERIAL(HPM)(502.10) |
| <input type="checkbox"/> PENETRATIONS (502.10.2) See FBC-B | <input type="checkbox"/> MOTION PICTURE PROJECTORS (502.11) |
| <input type="checkbox"/> ORGANIC COATING PROCESSES (502.12) | <input type="checkbox"/> PUBLIC GARAGES (502.13) |
| <input type="checkbox"/> MOTOR VEHICLE OPERATION (502.14) | <input type="checkbox"/> REPAIR GARAGES (502.15) (502.16) |
| <input type="checkbox"/> DESIGN & OPERATION (502.16.1) & (502.16.2) | <input type="checkbox"/> TIRE REBUILDING or RECAPPING (502.17) |
| <input type="checkbox"/> SPECIFIC ROOMS - (502.18) See FBC-M Chapter 4 | <input type="checkbox"/> INDOOR FIRING RANGES (502.19) |

SMOKE CONTROL SYSTEMS

Florida Fire Prevention Code - Review Required

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|--|---|
| <input type="checkbox"/> GENERAL DESIGN REQUIREMENTS (513.2) | <input type="checkbox"/> SPECIAL INSPECTION & TEST REQUIREMENTS (513.3) |
| <input type="checkbox"/> ANALYSIS - CONSTRUCTION DOCUMENTS (513.4) | <input type="checkbox"/> SMOKE BARRIER CONSTRUCTION (513.5) |
| <input type="checkbox"/> LEAKAGE AREA - TESTING REQUIREMENTS (513.5.1) | <input type="checkbox"/> OPENING PROTECTION IN SMOKE BARRIERS (513.5.2) |
| <input type="checkbox"/> DUCTS & AIR TRANSFER OPENINGS (513.5.2.1) | <input type="checkbox"/> PRESSURIZATION METHOD (513.6) |
| <input type="checkbox"/> AIRFLOW DESIGN METHOD (513.7) | <input type="checkbox"/> PROHIBITED CONDITIONS (513.7.2) |
| <input type="checkbox"/> EXHAUST METHODS (513.8) | <input type="checkbox"/> DESIGN FIRE BY DESIGN PROFESSIONAL (513.9) |
| <input type="checkbox"/> EQUIPMENT, DUCTS & EXHAUST FANS(513.10) | <input type="checkbox"/> AUTOMATIC DAMPERS (513.10.4) |
| <input type="checkbox"/> FANS - DESIGN DUTY & SUPPORT (513.10.5) | <input type="checkbox"/> POWER SYSTEMS (513.11) |
| <input type="checkbox"/> DETECTION & CONTROL SYSTEMS (513.12) | <input type="checkbox"/> CONTROL-AIR TUBING (513.13) |
| <input type="checkbox"/> MARKING & IDENTIFICATION (513.14) | <input type="checkbox"/> CONTROL DIAGRAMS (513.15) |
| <input type="checkbox"/> FIRE FIGHTER'S CONTROL PANEL (513.16) | <input type="checkbox"/> SYSTEM TESTING & ACCEPTANCE (513.18 & 513.19) |

FUELOIL PIPING & STORAGE

Florida Fire Prevention Code - Review Required

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|--|--|
| <input type="checkbox"/> FUEL-OIL PIPING - FBC-M / STORAGE FFPC (1301.2) | <input type="checkbox"/> FUEL TYPE & APPLIANCE DESIGN (1301.3) |
| <input type="checkbox"/> FUEL TANKS, PIPING AND VALVES (1301.4) | <input type="checkbox"/> TANKS ABANDONED or REMOVED (1301.5) FFPC |
| <input type="checkbox"/> PIPING MATERIAL & PUMPS (1302.1 thru 1302.8) | <input type="checkbox"/> JOINTS & CONNECTIONS (1303.1 thru 1303.11) |
| <input type="checkbox"/> PIPING SUPPORT (1304.1) | <input type="checkbox"/> FUEL OIL SYSTEM INSTALLATION (1305.1 thru 1305.7) |
| <input type="checkbox"/> OIL GAUGING (1306.1 thru 1306.5) | <input type="checkbox"/> FUEL OIL VALVES (1307.1 thru 1307.5) |
| <input type="checkbox"/> TESTING REQUIRED - NFPA 31 (1308.1) | |