

CITY OF ERIE

APPLICATION FOR BUILDING PERMIT

PLEASE SUBMIT:

- 1) THE FOLLOWING APPLICATION
- 2) THE APPROVED DRAWINGS AND CD
- 3) A COPY OF THE CONTRACT(S)

WHEN SUBMITTING THE APPROVED DRAWINGS, A CD OF THE DRAWINGS MUST ALSO BE SUBMITTED. THIS CD SHOULD BE IN .DWG FORMAT WITH THE CORRESPONDING PLOT FILES. IF YOU HAVE ANY QUESTIONS REGARDING THE ABOVE PROCEDURE, PLEASE CALL THE CITY OF ERIE CAD DEPARTMENT AT (814)870-1399 OR (814)870-1398.

THIS PACKET WAS PREPARED TO HELP YOU SUBMIT THE INFORMATION NECESSARY TO PROCESS YOUR APPLICATION FOR ZONING, BUILDING PLAN EXAMINATION, AND BUILDING PERMITS. YOUR PROJECT WILL BE EVALUTED IN TERMS OF COMPLIANCE WITH THE ZONING, ENGINEERING, BUILDING, PLUMBING, MECHANICAL, ELECTRICAL AND FIRE CODE ORDINANCES AS ADOPTED BY THE CITY OF ERIE. THE INFORMATION PRESENTED IN THIS PACKET IS INTENDED ONLY TO HIGHLIGHT AREAS WHICH OFTEN PRESENT DIFFICULTIES FOR DESIGNERS, CONTRACTORS, AND CITY OF ERIE RESIDENTS. IT DOES NOT REPRESENT ALL REQUIREMENTS OF THE CODES AS ADOPTED. COPIES OF THE CODES IN THEIR ENTIRETY CAN BE REVIEWED IN ROOM 407 OF CITY HALL.

UPON THE ISSUANCE OF A BUILDING PERMIT, THE PERMIT IS REQUIRED TO BE POSTED AND VISIBLE FROM THE PUBLIC RIGHT-OF-WAY. THE PERMIT APPROVAL REQUIRES COMPLIANCE WITH ALL CODES AND ORDINANCES ADOPTED BY THE CITY OF ERIE.

ONE SET OF APPROVED PLANS, SPECIFICATIONS AND PERMIT AMENDMENTS WILL BE RETURNED WITH THE PERMIT. THE APPROVED SET **MUST** REMAIN ON THE JOB-SITE UNTIL THE FINAL INSPECTION AND A CERTIFICATE OF OCCUPANCY HAS BEEN ISSUED.

THE PERMIT APPLICANT OR AGENT IS RESPONSIBLE FOR MAKING ARRANGEMENTS FOR INSPECTIONS AND ENSURING THE REQUIRED INSPECTIONS HAVE BEEN PERFORMED BY A CITY OF ERIE CODE OFFICIAL. THE REQUIRED INSPECTIONS ARE INDICATED ON THE BACK OF THE PERMIT CARD. WHEN CALLING FOR REQUIRED INSPECTIONS, PLEASE PROVIDE THE FOLLOWING INFORMATION: BUILDING PERMIT NUMBER, PROJECT LOCATION, TYPE OF INSPECTION AND THE NAME AND TELEPHONE NUMBER OF THE PERSON REQUESTING INSPECTION.

PLEASE REMEMBER THAT STRUCTURES MAY NOT BE USED OR OCCUPIED UNTIL A CERTIFICATE OF OCCUPANCY HAS BEEN ISSUED BY THE CITY OF ERIE.

PROPERTY ADDRESS: _____ INDEX # _____

PROPERTY OWNER: _____ PHONE # _____

PROPERTY OWNER'S ADDRESS: _____

APPLICANT: _____ PHONE # _____

APPLICANT'S ADDRESS: _____

BUILDING DESIGNER: _____

PHONE # _____

DESIGNER'S ADDRESS: _____

GENERAL CONTRACTOR: _____

PHONE # _____

ELECTRICIAN CONTRACTOR: _____

PHONE # _____

MECHANICAL CONTRACTOR: _____

PHONE # _____

PLUMBING CONTRACTOR: _____

PHONE # _____

ALARM INSTALLER: _____

PHONE # _____

SPRINKLER INSTALLER: _____

PHONE # _____

APPLICATION TYPE	<input type="checkbox"/> ACCESSIBILITY ONLY REVIEW <input type="checkbox"/> ALTERATION OR RENOVATION <input type="checkbox"/> NEW STRUCTURE/FACILITY <input type="checkbox"/> PLAN REVISION OR PARTIAL OCCUPANCY REQUEST <input type="checkbox"/> ADDITION <input type="checkbox"/> NEW BUILDING <input type="checkbox"/> PHASED APPROVAL <input type="checkbox"/> UNAPPROVED EXISTING BUILDING
USE/OCCUPANCY CLASSIFICATION	<input type="checkbox"/> A-1 <input type="checkbox"/> A-2 <input type="checkbox"/> A-3 <input type="checkbox"/> A-4 <input type="checkbox"/> A-5 <input type="checkbox"/> B <input type="checkbox"/> E <input type="checkbox"/> F-1 <input type="checkbox"/> F-2 <input type="checkbox"/> H-1 <input type="checkbox"/> H-2 <input type="checkbox"/> H-3 <input type="checkbox"/> H-4 <input type="checkbox"/> H-5 <input type="checkbox"/> I-1 <input type="checkbox"/> I-2 <input type="checkbox"/> I-3 <input type="checkbox"/> I-4 <input type="checkbox"/> M <input type="checkbox"/> R-1 <input type="checkbox"/> R-2 <input type="checkbox"/> R-3 ADULT CARE <input type="checkbox"/> R-3 <input type="checkbox"/> R-4 <input type="checkbox"/> S-1 <input type="checkbox"/> S-2 <input type="checkbox"/> U
TYPE OF CONSTRUCTION	TYPE OF CONSTRUCTION PER CHAPTER 6 OF THE INTERNATIONAL BUILDING CODE <input type="checkbox"/> IA <input type="checkbox"/> IB <input type="checkbox"/> IIA <input type="checkbox"/> IIB <input type="checkbox"/> IIIA <input type="checkbox"/> IIIB <input type="checkbox"/> IV <input type="checkbox"/> VA <input type="checkbox"/> VB
FIRE PROTECTION	FIRE SUPPRESSION: <input type="checkbox"/> FULL <input type="checkbox"/> PARTIAL <input type="checkbox"/> NONE STORTZ LOCATION: _____ DESIGNER: _____ HYDRAULIC CALCULATIONS: DATE OF WATERFLOW TEST: _____/_____/_____ FLOW RESULTS: _____ TYPE OF BACKFLOW- PREVENTER: _____ NOTE THE TYPE OF SPRINKLER SYSTEM USED: <input type="checkbox"/> 13 <input type="checkbox"/> 13D 13R <input type="checkbox"/> MONITORING AGENCY: _____ FIRE SYSTEMS SHOULD BE DESIGNED WITH A 10 PERCENT SAFETY MARGIN.

ZONING INFORMATION:

ZONING CLASSIFICATION: _____ LOT SIZE : _____ X _____

CONFORMING USE: _____ NON-CONFORMING USE: _____

NEW BUILDING:

WIDE: _____ LONG: _____ HEIGHT: _____ STORIES: _____

TOTAL SQ. FEET: _____ 1ST FLR: _____ 2ND FLR: _____

3RD FLR: _____ 4TH FLR: _____ 5TH FLR: _____

ADDITION SIZE:

WIDE: _____ LONG: _____ HEIGHT: _____ STORIES: _____

TOTAL SQ. FEET: _____ 1ST FLR: _____ 2ND FLR: _____

3RD FLR: _____ 4TH FLR: _____ 5TH FLR: _____

SQ. FT. OF GARAGE/SHED: _____ MAX ALLOWED: 720 SQ. FT.

SETBACKS: FRONT YARD: _____ REQUIRED: _____

(CORNER) FRONT YARD: _____ REQUIRED: _____

REAR YARD: _____ REQUIRED: _____

SIDE YARD: _____ REQUIRED: _____

SIDE YARD: _____ REQUIRED: _____

LOT COVERAGE: _____ MAX ALLOWED: _____

PARKING SPACES: PROVIDED: _____ REQUIRED: _____

PLEASE PROVIDE A DETAILED DESCRIPTION OF EXISTING BUILDING AND USE:

PLEASE PROVIDE A DETAILED DESCRIPTION OF PROPOSED IMPROVEMENTS AND USES:

SITE PLANS: N/A

- YES N/A a. SITE PLANS SHALL BE PREPARED TO SCALE (NOT LESS THAN 1"= 20') WITH LEGEND, NORTH ARROW, AND SEPARATE VICINTY (SITE LOCATION) MAP.
- YES N/A b. SHOW THE CORRECT STREET ADDRESS, PARCEL NUMBER AND REQUIRED MUNICIPAL ZONING ON THE SITE PLANS.
- YES N/A c. SHOW AND IDENTIFY ALL PROPERTY LINES AND RIGHT-OF-WAYS, WITH DISTANCE FROM PROPERTY LINES AND ADJACENT BUILDINGS ON SITE PLANS.
- YES N/A d. SHOW ALL ACCESSIBLE PARKING SPACES AND SIGNAGE PER ICC/ANSI A117.1 AND THE INTERNATIONAL BUILDING CODE ON SITE PLAN.
- YES N/A e. SHOW ACCESSIBLE CURB CUTS, RAMPS AND ACCESS WAYS TO THE BUILDING.
- YES N/A f. SHOW ALL EXISTING AND PROPOSED DRIVEWAY ENTRANCES.
- YES N/A g. IDENTIFY ADJACENT LAND USES AND ZONING.
- YES N/A h. SHOW ALL EASEMENTS, FLOODWAYS AND REQUIRED BUFFERS.
- YES N/A i. SHOW EXISTING AND PROPOSED UTILITIES (WITH BACKFLOW PREVENTERS) TO SERVE THE SITE.
- YES N/A j. SHOW EXISTING AND PROPOSED FINISH GRADES.
- YES N/A k. SHOW DETAILS, SECTIONS AND ELEVATIONS NEEDED FOR CONSTRUCTION.
- YES N/A l. SHOW ALL BUFFER AND SCREENING LANDSCAPING.
- YES N/A m. SHOW ALL REQUIRED PARKING AND LOADING SPACES AND CALCULATIONS.

ARCHITECTURAL PLANS: N/A

- YES N/A a. SHOW ARCHITECTURAL FLOOR PLANS OF EACH FLOOR. THESE PAGES MUST BE AT LEAST 18" X 24" IN SIZE (BUT NOT MORE THAN 36" X 42"), DRAWN TO A SCALE OF NOT LESS THAN 1/8" = 1'. **INDICATE (OR REPRODUCE) THE APPROVED, TESTED HOURLY RATING, NUMBER AND LOCATION OF ALL RATED MEMBERS AND ASSEMBLIES (WALLS, COLUMNS, BEAMS, FLOOR AND CEILING, AND CEILING AND ROOF FIRE-RATED DESIGN ASSEMBLIES). SHOW ALL FIRE-RATED WALLS (BOTH EXISTING AND NEW) WITH THEIR RATINGS AND THEIR SYSTEM NUMBERS. DRAWINGS SUBMITTED WITHOUT REQUIRED FIRE-RATED WALLS SHOWN WILL BE REJECTED.**
- YES N/A b. SHOW THE SQUARE FOOTAGE OF EACH FLOOR ON THE CORRESPONDING FLOOR PLANS.
- YES N/A c. IDENTIFY THE NAMES AND USES OF EACH ROOM.
- YES N/A d. FURNISH DOOR SCHEDULE(S), INCLUDING SIZE, TYPE, RATING AND HARDWARE.
- YES N/A e. PROVIDE ALL GLAZING SCHEDULES.
- YES N/A f. SHOW ELEVATIONS WITH DIMENSIONS DEFINING OVERALL BUILDING HEIGHT, FLOOR-TO-FLOOR HEIGHTS, OR HEIGHTS TO RIDGE AND EAVE AS APPLICABLE TO THE TYPE OF BUILDING CONSTRUCTION LISTED ON THE UCC APPLICATION. (NOTE: WHERE AN EXISTING BUILDING IS INVOLVED, PHOTOGRAPHS OF ALL SIDES OF THE BUILDING MAY BE SUBMITTED TO SHOW ELEVATIONS. THESE WILL BE ACCEPTABLE ONLY IF THEY SHOW ALL ELEMENTS NECESSARY TO DETERMINE COMPLIANCE WITH THE UCC).
- YES N/A g. PROVIDE BASEMENT PERCENTAGE-BELOW-GRADE CALCULATIONS.
- YES N/A h. INDICATE ROOF SLOPES, DRAINAGE SYSTEM AND SIZED THROUGH WALL SCUPPERS, IF APPLICABLE TO THE PROJECT.
- YES N/A i. SHOW FIXED SEATING FOR ASSEMBLY OCCUPANCY TO ALLOW DETERMINATION OF OCCUPANCY POSTING REQUIRED BY INTERNATIONAL BUILDING CODE.
- YES N/A j. SHOW WALL SECTIONS WITH PROPOSED MATERIAL SIZES, CONSTRUCTION AND FIRE-RATED ASSEMBLIES.
- YES N/A k. SHOW PROPOSED PLUMBING FIXTURES AND PRIVACY SCREENS ON THE PLANS.
- YES N/A l. IF MASONRY CONSTRUCTION IS PROPOSED, INCLUDE THE FOLLOWING INFORMATION:
 ___ TYPE OF BRICK TIES AND SPACING OF WEEP HOLES
 ___ CONTROL JOINTS
 ___ PLACEMENT OF WALL FLASHING AND REINFORCEMENT

- YES N/A m. IF APPROPRIATE FOR THE PROPOSED OCCUPANCY, PLANS SHOULD IDENTIFY ALL HAZARDOUS MATERIAL CONTROL AREAS, FIRE BARRIERS AND THE REQUIRED FIRE-RESISTANCE RATINGS FOR THESE BARRIERS. ALL IDENTIFIED CONTROL AREAS SHALL LIST THE NAME, CLASS, QUANTITY AND METHOD OF STORAGE OF ALL HAZARDOUS MATERIALS PROPOSED, MANUFACTURED OR USED IN A MANUFACTURING PROCESS AND CONTAINED WITHIN ITS FIRE BARRIERS. PROVIDE A MATERIAL SAFETY DATA SHEET FOR EACH LISTED HAZARDOUS MATERIAL. SEE SECTIONS 414 AND 415 OF THE INTERNATIONAL BUILDING CODE.
- YES N/A n. SHOW THE FLOOR SLAB VAPOR BARRIER.
- YES N/A o. SHOW FOUNDATION WATERPROOFING, IF APPLICABLE.
- YES N/A p. ALL PENETRATIONS OF FIRE-RATED CONSTRUCTION MUST BE PER MANUFACTURER'S DETAILS AND SHALL MEET OR EXCEED THE RATING OF CONSTRUCTION BEING PENETRATED. THE PENETRATION DETAILS SHALL BE EXACTLY AS TESTED BY AN APPROVED TESTING LABORATORY OR AGENCY AND SHALL INCLUDE THEIR SYSTEM NUMBERS. NEW PENETRATIONS OF EXISTING FIRE-RATED WALLS AND ASSEMBLIES SHALL BE SHOWN WITH APPROPRIATE DESIGNS.
- YES N/A q. SHOW PENTHOUSE DRAWINGS.
- YES N/A r. PROVIDE ON THE DRAWINGS THE CALCULATIONS FOR THE MEANS OF EGRESS WIDTHS FOR THE ENTIRE FLOOR OCCUPANCY LOAD AND THE EXISTING CAPACITY OF ALL EXITS INCLUDING ALL STAIRS, DOORS, CORRIDORS AND RAMPED EXITS.
- YES N/A s. SHOW REQUIRED VENTILATION LOUVERS AND VENT SIZES.

STRUCTURAL PLANS: N/A

- YES N/A a. SHOW FOUNDATION PLANS INDICATING THE PROPOSED SLAB ELEVATIONS AND TYPE OF FOUNDATION (i.e., MAT FOUNDATION, CAISSONS, SPREAD FOOTINGS, ETC.).
- YES N/A b. PROVIDE PRELIMINARY SOIL ANALYSIS DATA DONE BY A LICENSED ENGINEER, IF REQUIRED.
- YES N/A c. INDICATE DIMENSIONS OF FOUNDATIONS.
- YES N/A d. SHOW TYPE, SIZE AND LOCATION OF PILING AND PILE CAPS FOR PILE FOUNDATION.
- YES N/A e. INDICATE GRADE BEAM SIZES.
- YES N/A f. INDICATE A FOOTING SCHEDULE DEFINING FOOTING SIZES AND THE REQUIRED REINFORCING.
- YES N/A g. SHOW THE ESTABLISHED FOOTING DEPTH BELOW GRADE AND METHOD OF FROST PROTECTION. (48" MINIMUM)
- YES N/A h. INDICATE THE THICKNESS OF THE FLOOR SLAB, SIZE OF REINFORCING, SLAB ELEVATIONS AND TYPE AND DETAILS OF FOUNDATIONS.
- YES N/A i. INDICATE LOCATION, SIZE AND AMOUNT OF REINFORCING STEEL.
- YES N/A j. SHOW FOUNDATION CORNER REINFORCING BARS AND MINIMUM OVERLAPPING (AS APPLICABLE TO PROJECT STRUCTURE).
- YES N/A k. PROVIDE STRENGTH OF CONCRETE ACCORDING TO DESIGNED SOIL REPORTS.
- YES N/A l. SHOW BEAMS, JOISTS, GIRDERS, RAFTERS, AND/OR TRUSS LAYOUTS AND DETAILS OF CONNECTIONS, STRUCTURAL STEEL STUD GAGE, GAGE SIZE, AND CONNECTIONS.
- YES N/A m. INDICATE THE SIZES AND SPECIES OF ALL WOOD MEMBERS AND THEIR RESPECTIVE DESIGN STRENGTH.
- YES N/A n. SHOW ALL COLUMNS, GIRDERS, JOISTS, PURLINS, BEAMS AND BASE PLATES; FOR WOOD CONSTRUCTION SHOW ALL HEADERS.
- YES N/A o. PROVIDE A COMPLETE LINTEL SCHEDULE.
- YES N/A p. INDICATE THE TYPE OF ANCHORING FOR STEEL BEARING DIRECTLY ON MASONRY.
- YES N/A q. INDICATE DESIGN DEAD AND LIVE, WIND, SNOW, SEISMIC LOADS FOR FLOOR AREAS, ROOFS, BALCONIES, PORCHES, BREEZEWAYS, CORRIDORS, STAIRS, MEZZANINES AND PLATFORMS. SHOW CONCENTRATED LOADS (i.e. FILE ROOMS, MACHINERY REINFORCEMENT) AND ANY SPECIAL ANCHORING REQUIRED.
- YES N/A r. WHERE APPLICABLE, INDICATE ON ROOF FRAMING PLAN WHERE CONCENTRATED LOADS (MECHANICAL EQUIPMENT, CRANES, ETC.) WILL BE PLACED.
- YES N/A s. INDICATE ON FOUNDATION AND FRAMING PLANS THE LOCATION AND LATERAL LOAD RESISTING SYSTEM. (SHOW WALLS, BRACED FRAMES, MOMENT CONNECTIONS, ETC.)

FIRE PROTECTION PLANS: N/A

- YES N/A a. COMPLETE A SPRINKLER DESIGN DATA SHEET AND INCLUDE IT ON THE FIRST PLAN OF THE SPRINKLER DRAWINGS.
- YES N/A b. SHOW FLOOR PLANS FOR EACH FLOOR WITH SPRINKLER PIPING LAYOUT, PIPE SIZES, PIPE HANGER DETAILS, PIPING MATERIALS, DOORS, WALLS AND ROOM IDENTITIES. OFTEN, THESE SHOP DRAWINGS ARE NOT AVAILABLE AT THE TIME OF INITIAL PLAN SUBMISSION. IF THIS IS THE CASE, WRITE "N/A," BUT NOTE THE FOLLOWING:
- THESE SHOP DRAWINGS MUST BE SUBMITTED FOR REVIEW AND APPROVAL AT LEAST TWO WEEKS BEFORE THE PROJECTED INSTALLATION DATE.
 - FAILURE TO OBTAIN APPROVAL OF THESE DRAWINGS BEFORE INSTALLATION COULD RESULT NOT ONLY IN DELAY OF THE FINAL INSPECTION AND ISSUANCE OF AN OCCUPANCY PERMIT, BUT ALSO IN REMOVAL AND RECONSTRUCTION OF INSTALLATIONS WHICH FAIL TO MEET UCC REQUIREMENTS.
- YES N/A c. SHOW CEILING PLANS WITH SPRINKLER HEAD(S) LAYOUT, WALLS, SOFFITS, OPENINGS, DOORS, DIMENSIONS AND ROOM IDENTITIES.
- YES N/A d. VERIFY SYSTEM DESIGN BY PROVIDING HYDRAULIC CALCULATIONS ALONG WITH THE FOLLOWING:
- ___ RECENT WATER FLOW TEST
 - ___ 10 PERCENT SAFETY MARGIN
 - ___ TYPE OF BACKFLOW-PREVENTER OR REDUCED PRESSURE ZONE SHOWING EQUIVALENT FOOT LOSS
 - ___ FIRE PUMP SUMMARY
- YES N/A e. NOTE THE TYPE OF SPRINKLER SYSTEM USED (e.g., 13, 13D, OR 13R).
- YES N/A f. FOR RESIDENTIAL OCCUPANCIES SUCH AS APARTMENTS AND CONDOMINIUMS, SHOW SPRINKLER HEAD LOCATIONS AT BREEZEWAYS, IF APPLICABLE.
- YES N/A g. INDICATE THE CERTIFIED TESTING LABORATORY AGENCY (e.g., U.L.), THEIR TEST NUMBER AND HOURLY RATINGS OF ALL NEW AND/OR AFFECTED RATED MEMBERS AND ASSEMBLIES (i.e. COLUMNS, BEAMS, FLOOR/CEILING AND CEILING/ROOF FIRE-RATED DESIGN ASSEMBLIES). SHOW ALL NEW AND/OR AFFECTED FIRE-RATED WALLS WITH THEIR RATINGS, IF NOT SHOWN ELSEWHERE.
- YES N/A h. ALL PENETRATIONS OF THE FIRE-RATED CONSTRUCTION MUST BE PER MANUFACTURER'S DETAILS AND SHALL MEET OR EXCEED RATINGS OF CONSTRUCTION BEING PENETRATED. PENETRATION DETAILS SHALL BE EXACTLY AS TESTED BY A CERTIFIED TESTING LABORATORY OR AGENCY AND SHALL INCLUDE THEIR SYSTEM NUMBERS. ALL NEW PENETRATIONS OF EXISTING FIRE-RATED WALLS AND ASSEMBLIES SHALL BE SHOWN WITH APPROPRIATE DESIGNS.
- YES N/A i. PROVIDE A FIRE ALARM RISER SHOWING CONNECTION TO A UL-APPROVED CENTRAL STATION. SHOW TAMPER SWITCHES ON BOTH OS AND Y VALVES OF BACKFLOW PREVENTION DEVICE, UNLESS SHOWN ELSEWHERE.
- YES N/A j. INDICATE COMMODITY CLASS (PER SECTION 2303 OF THE INTERNATIONAL FIRE CODE) AND HEIGHT OF ANY STORAGE.
- YES N/A k. PROVIDE MATERIAL SAFETY DATA SHEETS FOR ANY HAZARDOUS MATERIALS.
- YES N/A l. WHERE SPECIAL TEMPERATURE-RATED OR HIGH-TEMPERATURE SPRINKLERS ARE REQUIRED, SHOW SPRINKLER TYPE(S) PER AREA, OFFICE SIZE, CUT SHEETS WITH K-FACTOR, WATER REQUIREMENTS, SPRAY PATTERN, COVERAGE AND OTHER PERTINENT DATA.

SYSTEM CALCULATIONS (FIRE PROTECTION): N/A

HYDRAULICALLY CALCULATED AND PIPE SCHEDULE FIRE SYSTEMS SHOULD BE DESIGNED WITH A 10 PERCENT SAFETY MARGIN FOR ALL NEW BUILDINGS AND ADDITIONS TO EXISTING BUILDINGS. CALCULATIONS FOR HYDRAULIC SYSTEMS SHOULD INCLUDE:

- YES N/A a. FLOW AND PRESSURE AT EACH FLOWING SPRINKLER HEAD
- YES N/A b. FLOW DIAGRAM FOR A GRID SYSTEM

PLUMBING PLANS: N/A

- YES N/A a. SHOW A SITE UTILITIES PLAN.
____ 1. SHOW THE DOMESTIC WATER, FIRE, AND IRRIGATION SERVICES.
____ 2. SHOW THE LOCATION OF WATER METERS, BACKFLOW PROTECTION TYPE AND LOCATION.
____ 3. SHOW THE SANITARY SEWER SERVICE FROM BUILDING TO PUBLIC SEWER.
- YES N/A b. SHOW INTERCEPTORS AS APPLICABLE TO PROJECT AND SIZE BY FLOW RATE. (i.e., GREASE, OIL, LINT, ACID, SAND).
- YES N/A c. PROVIDE PLUMBING PLAN LAYOUTS FOR EACH FLOOR. THESE SHOULD SHOW THE WATER DISTRIBUTION AND DRAIN-WASTE-VENT PIPING, AND ALL DETAILS, NOTES, LEGENDS, AND SCHEDULES NECESSARY TO DEFINE THE SYSTEM BEING INSTALLED.
- YES N/A d. SHOW THE LOCATION OF ALL MAJOR COMPONENTS REQUIRED FOR A COMPLETE SYSTEM
- YES N/A e. PROVIDE FIXTURE AND EQUIPMENT SCHEDULE SHOWING FIXTURE NUMBER, DETAILED DESCRIPTION, HOT WATER, COLD WATER, WASTE AND VENT CONNECTION SIZES AND OTHER PERTINENT DATA.
- YES N/A f. IDENTIFY ALL FIXTURES ON FLOOR PLANS AND IN RISER DIAGRAMS WITH THE PLUMBING FIXTURE SCHEDULE NUMBER.
- YES N/A g. SUPPLY AND WASTE/VENT PIPING SHALL BE SHOWN ON THE FLOOR PLANS. ALL PIPE SIZES SHALL BE CLEARLY SHOWN. IN CONGESTED AREAS (e.g. RESTAURANTS, GROCERY STORES, ETC.), ISOMETRICS ARE REQUIRED.
- YES N/A h. ON BUILDINGS TWO STORIES AND ABOVE, PROVIDE ISOMETRIC DIAGRAMS AND/OR SCHEMATIC RISER DIAGRAMS FOR SUPPLY AND WASTE/VENT PIPING AND IDENTIFY THE RISERS BY NUMBER (e.g., R1, R2, etc.). SHOW WHERE ALL RISER BASE TERMINATIONS CONNECT TO THE BUILDING DRAIN, ALONG WITH ALL INTERCONNECTED PIPING ON EACH FLOORPLAN. ALL PIPE SIZES SHALL BE CLEARLY DEFINED.
- YES N/A i. SHOW THE WATER, SANITARY DRAIN-WASTE-VENT PIPING AND STORM LEADERS/DRAINS. INDICATE SIZES AND MATERIALS FOR ABOVE/BELOW GRADE.
- YES N/A j. SHOW SLOPE OF HORIZONTAL SANITARY AND STORM DRAINS THAT EQUAL OR EXCEED 3" DIAMETER, IF LESS THAN 1/8" PER FOOT.
- YES N/A k. INDICATE ROOF DRAINS AND EMERGENCY ROOF DRAINS/SCUPPERS WITH THE AREAS THEY IMPACT. NOTE THAT "EMERGENCY" = "SECONDARY" = "OVERFLOW," SEE FOLLOWING ROOF DRAINAGE EXAMPLES:
 - ROOF DRAIN-6" RD (16880SF)
 - EMERGENCY ROOF DRAIN-6" ERD (8180SF)
 - PARAPET WALL SCUPPER-8" x 5" WS (4000SF)
 - EMERGENCY SCUPPER- 8" x 7" ES (4200SF)
- YES N/A l. SHOW TOILET ROOM LAYOUTS WITH MINIMUM OF 1/4" = 1 FOOT SCALE.
- YES N/A m. SHOW DRINKING FOUNTAIN LOCATIONS.
- YES N/A n. ALL PENETRATIONS OF FIRE-RATED CONSTRUCTION MUST BE PER MANUFACTURER'S DETAILS. THE DETAILS SHALL MEET OR EXCEED THE RATING OF CONSTRUCTION BEING PENETRATED. THE PENETRATION DETAILS SHALL BE EXACTLY AS TESTED BY AN APPROVED TESTING LABORATORY OR AGENCY AND SHALL INCLUDE THEIR SYSTEM NUMBERS.
- YES N/A o. ROOM NAMES AND NUMBERS FOR EACH FLOOR SHOULD BE ON A FLOOR PLAN FOR EACH LEVEL.
- YES N/A p. PROVIDE MINIMUM FACILITIES CALCULATIONS.

MECHANICAL PLANS: N/A

- YES N/A a. SHOW ALL REQUIRED WALL LOUVERS, PENETRATIONS AND FANS.
- YES N/A b. SHOW ALL MECHANICAL EQUIPMENT, PIPING, DUCTWORK (ABOVE/BELOW SLAB) ON THE MECHANICAL FLOOR AND/OR ROOF PLAN.
- YES N/A c. PROVIDE MECHANICAL PLANS FOR EACH FLOOR AND THE ROOF. THESE SHALL SHOW THE DUCTWORK LAYOUTS, SCHEDULES, NOTES, LEGENDS, PIPING SCHEMATICS, AND DETAILS NECESSARY TO DEFINE THE SYSTEM BEING INSTALLED.

- YES N/A d. INDICATE AIR DISTRIBUTION DEVICES AND SHOW CFM FOR ALL SUPPLY, RETURN AND EXHAUST DEVICES.
- YES N/A e. INDICATE THE LOCATION OF ALL EQUIPMENT COMPONENTS REQUIRED FOR A COMPLETE SYSTEM.
- YES N/A f. SHOW THE SMOKE VENTILATION OF ATRIUMS AND PRESSURIZATION OF HIGH-RISE STAIRWELLS.
- YES N/A g. SHOW CONDENSATION DRAINS, PRIMARY AND SECONDARY, FROM THE UNIT TO THE POINT OF DISCHARGE.
- YES N/A h. INDICATE TOILET EXHAUST REQUIREMENTS.
- YES N/A i. SHOW MECHANICAL ROOM LAYOUTS AT SUFFICIENT SCALE FOR DIMENSIONS AND DETAILS TO BE ASCERTAINED.
- YES N/A j. SHOW THE SIZE OF DUCT RUNS.
- YES N/A k. INDICATE CONTROLS FOR FAN SHUTDOWN: EMERGENCY, MANUAL AND AUTOMATIC SMOKE DETECTION.
- YES N/A l. SHOW THE LOCATION OF ALL UL 555-CERTIFIED FIRE DAMPERS, CEILING RADIATION DAMPERS, SMOKE DAMPERS, AND FIRE DOORS.
- YES N/A m. SHOW ALL FIRE-RATED WALLS (BOTH EXISTING AND NEW) WITH THEIR RATINGS ON THE MECHANICAL PLANS.
- YES N/A n. ALL PENETRATIONS OF FIRE-RATED CONSTRUCTION MUST BE ON A FLOOR PLAN FOR EACH LEVEL.
- YES N/A o. ROOM NAMES AND NUMBERS FOR EACH FLOOR SHOULD BE ON A FLOOR PLAN FOR EACH LEVEL.
- YES N/A p. PROVIDE OUTSIDE AIR VENTILATION RATE PER THE INTERNATIONAL MECHANICAL CODE
- YES N/A q. COLUMN LINE NOTATIONS SHALL BE IDENTIFIED ON THE MECHANICAL PLANS.
- YES N/A r. PROVIDE GAS PIPING LAYOUT ON THE FLOOR PLAN FOR EACH FLOOR. IF IT IS A MULTI-STORY BUILDING, ALL GAS PIPING SHALL BE SHOWN PER FLOOR. INCLUDE PIPE SIZES, WATER COLUMN, AND TYPE OF MATERIAL. PROVIDE A SCHEDULE OF CONNECTED EQUIPMENT, TOTAL BTU DEMAND, TOTAL EQUIVALENT LENGTH AND MOST REMOTE GAS APPLIANCE.

ELECTRICAL PLANS: N/A

- YES N/A a. PROVIDE PANEL SCHEDULES WITH CIRCUIT AND FEEDER LOADING, OVERCURRENT PROTECTION, AND NEC LOAD SUMMARIES FOR ALL NEW AND/OR AFFECTED PANELS AND SERVICES (LOADING HAS TO BE EVALUATED BY HIGHEST PHASE); INCLUDE FAULT CURRENT DATA, SHORT CIRCUIT RATINGS AND FAULT CURRENT PROTECTION COORDINATION.
- YES N/A b. PROVIDE A SINGLE LINE RISER DIAGRAM SHOWING ALL NEW AND/OR AFFECTED SERVICES, FEEDERS, WIRE SIZES AND INSULATION TYPES, AND CONDUIT SIZES AND TYPES
- YES N/A c. INDICATE NUMBER OF SERVICES AND THEIR PHYSICAL LOCATIONS; CLEARLY INDICATE MAINS AND CHARACTERISTICS.
- YES N/A d. INDICATE THE GROUNDING ELECTRODE CONDUCTOR SIZE WITH NEW AND/OR AFFECTED SERVICES AND TRANSFORMERS; WHERE NECESSARY, PROVIDE DETAILS OR NOTES ON METHODS.
- YES N/A e. SHOW PHYSICAL LOCATIONS OF ALL NEW AND/OR AFFECTED PANELS AND SWITCHGEAR (INDICATE FRONT).
- YES N/A f. INDICATE RECEPTACLE PLANS WITH CIRCUITRY.
- YES N/A g. INDICATE LIGHTING PLANS WITH CIRCUITRY.
- YES N/A h. SHOW ELECTRICAL PLANS FOR EACH AFFECTED FLOOR, INCLUDING THE ROOF.
- YES N/A i. SHOW WIRING METHOD(S), CONDUIT SIZES AND TYPES AND TERMINATION TEMPERATURES.
- YES N/A j. INDICATE THE DESIGN AND/OR OPERATION FOR ANY OF THE FOLLOWING APPLICABLE LIFE SAFETY SYSTEMS: EMERGENCY GENERATORS, SMOKE EVACUATION, SHAFT PRESSURIZATION AND RELIEF, SMOKE DETECTION, EGRESS AND EMERGENCY LIGHTING AND FIRE ALARMS.

- YES N/A k. INDICATE HOW SPECIAL NEEDS SUCH AS CLASSIFIED (HAZARDOUS), CORROSIVE AND PATIENT CARE ARE TREATED. PROVIDE DETAILED PLAN OF CLASSIFIED AREAS, THE CLASSIFICATIONS AND HOW COMPLIED WITH (i.e. HANGERS, WASTE TREATMENT AND COLLECTION, FLAMMABLE DUSTS, GASES OR LIQUIDS, SPRAY BOOTHS, VEHICLE SERVICING AND PARKING, ETC.).
- YES N/A l. PROVIDE ALL HVAC NAMEPLATE DATA, INCLUDING MCA AND MOC. LIST ALL OTHER APPLIANCES AND/OR EQUIPMENT (OTHER THAN THOSE WHICH WILL BE CONNECTED TO A GENERAL USE RECEPTACLE) WITH NAMEPLATE DATA (i.e. VOLTAGE, PHASING, HP, KVA, FLA, RLA, ETC.)
- YES N/A m. INDICATE ALL MOTOR HORSE POWER RATINGS, IF NOT SUPPLIED ELSEWHERE.
- YES N/A n. INDICATE THE CERTIFIED TESTING LABORATORY OR AGENCY (i.e., UL), THEIR TEST NUMBER AND HOURLY RATINGS OF ALL NEW AND/OR AFFECTED RATED MEMBERS AND ASSEMBLIES (i.e. COLUMNS, BEAMS, FLOOR/CEILING, AND CEILING/ROOF FIRE-RATED DESIGN ASSEMBLIES). SHOW ALL NEW AND/OR AFFECTED FIRE-RATED WALLS WITH THEIR RATINGS, IF NOT SHOWN ELSEWHERE.
- YES N/A o. ALL PENETRATIONS OF FIRE-RATED CONSTRUCTION MUST BE PER MANUFACTURER'S DETAILS. THE DETAILS SHALL MEET OR EXCEED RATINGS OF CONSTRUCTION BEING PENETRATED. PENETRATION DETAILS SHALL BE EXACTLY AS TESTED BY AN APPROVED TESTING LABORATORY OR AGENCY AND SHALL INCLUDE THEIR SYSTEM NUMBERS. NEW PENETRATIONS OF EXISTING FIRE-RATED WALLS AND ASSEMBLIES SHALL BE SHOWN WITH APPROPRIATE DESIGNS.
- YES N/A p. PROVIDE ALL APPLICABLE INTERNATIONAL ENERGY CONSERVATION CODE COMPLIANCE DATA ON THE BUILDING CODE SUMMARY SHEET OR ON THE ELECTRICAL PLANS.
- YES N/A q. ALL SUBMITTALS SHOULD INCLUDE A LISTING AND LABELING STATEMENT. (ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABELED AND LISTED BY A CERTIFIED TESTING LABORATORY OR AGENCY).

*****PLEASE NOTE*****

PENETRATIONS: CONSTRUCTION DOCUMENTS SHALL INDICATE WHERE PENETRATIONS WILL BE MADE AND SHALL INDICATE THE MATERIALS AND METHODS FOR MAINTAINING REQUIRED STRUCTURAL SAFETY, FIRE-RESISTANCE RATING AND FIREBLOCKING.