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Author
Checker
Approver

APPLICABLE CODES:

BUILDING:
2018 CONNECTICUT STATE BUILDING CODE:
2015 INTERNATIONAL BUILDING CODE W/2018 CT AMENDMENTS
2015 INTERNATIONAL EXISTING BUILDING CODE W/2018 CT AMENDMENTS

ENERGY CONSERVATION:
2018 CONNECTICUT STATE BUILDING CODE:
2015 INTERNATIONAL ENERGY CONSERVATION CODE W/2018 CT AMENDMENTS

MECHANICAL:
2018 CONNECTICUT STATE BUILDING CODE:
2015 INTERNATIONAL MECHANICAL CODE W/2018 CT AMENDMENTS

PLUMBING:
2018 CONNECTICUT STATE BUILDING CODE:
2015 INTERNATIONAL PLUMBING CODE W/2018 CT AMENDMENTS

ELECTRICAL:
2018 CONNECTICUT STATE BUILDING CODE:
NFPA 70, 2017 EDITION, *NATIONAL ELECTRICAL CODE* AS ADOPTED BY CBC

FIRE PREVENTION:
2018 CONNECTICUT STATE FIRE PREVENTION CODE (CFPC).
NFPA 1, *FIRE CODE*, 2015 EDITION WITH CT AMENDMENTS

FIRE SAFETY:
2018 CONNECTICUT STATE FIRE SAFETY CODE (CFSC)
2015 INTERNATIONAL FIRE CODE WITH CT AMENDMENTS

ACCESSBILITY:
2018 CONNECTICUT STATE BUILDING CODE:
2009 EDITION OF ICC/ANSI A117.1 (ICC/ANSI) WITH CT AMENDMENTS
2010 AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN (ADA).

JOINT COMMISSION, CT DPH & CMS:
NFPA 101, LIFE SAFETY CODE (NFPA 101), 2012 EDITION, AS ADOPTED BY THE CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMS)

PROJECT SUMMARY:

Replacement of existing mechanical room HVAC equipment with new roof- and mechanical room-mounted HVAC equipment.

Replacement of North and South podium roofing materials with new insulated membrane roofing system, and replacement of rooftop mechanical system components as needed to facilitate roof installation [This portion of work is Alternate 1]

TYPE OF PROJECT:

Level 2 Alteration (reconfiguration of systems and installation of additional equipment)

CONSTRUCTION TYPE: Type 1A
(Per IBC Table 503 and Chapter 6)

USE GROUP: I-2, Institutional Hospital

FIRE RESISTANCE RATINGS:

The following table summarizes the required fire resistance ratings for new building elements:

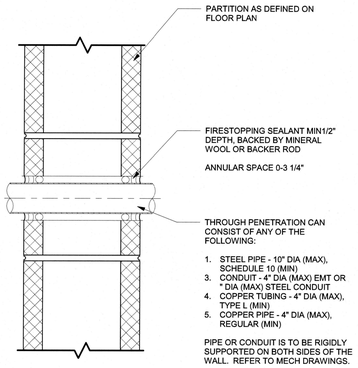
Building Element	Fire Resistance Rating (Hrs)	Opening Protectives (Hrs)
Primary structural frame (roof framing may reduce 1 hr)	3	
Floor Construction	2	
Electric Rooms	2	1 1/2
Shafts	2	1 1/2
Corridors	Smoke-Resistant	1/3, Positive-Latching

INTERIOR FINISHES:

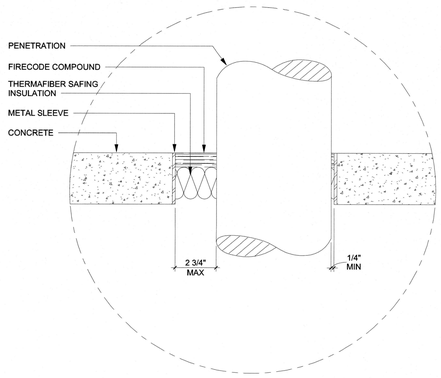
The existing interior finish of new walls and ceilings in the work area must comply with the code requirements for new construction (IEBC 703.4). All newly installed wall and ceiling finishes, and interior trim materials must also comply with CSBC Table 803.9 (IEBC 602.1, 602.2, 602.3). The requirements are summarized below:

Use Group	I-2
Exit Enclosures	Class B
Exit Access Corridors	Class B
Rooms & Enclosed Spaces	Class B*

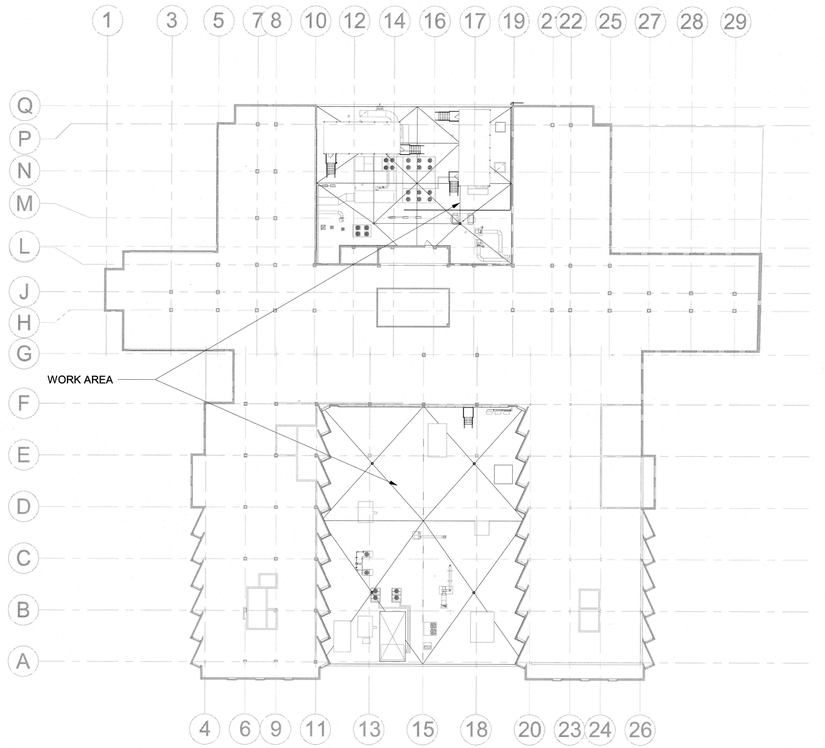
*Class C materials permitted in administrative areas and rooms with a capacity of 4 persons or less.



A) METAL PIPES OR CONDUIT (UL DESIGN NO. C-AJ-1154)



2 UL DETAILS (UL DESIGN NO. C-AJ-1630)??
SCALE 3" = 1'-0"



1 PODIUM ROOF PLAN
SCALE 1/32" = 1'-0"

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ARCHITECT
OWNER
CONSULTANT
STAMP

STATE OF CONNECTICUT · KATHLEEN LANGE · NO. 14 · LICENSED ARCHITECT

ISSUANCES

NO.	DATE	DESCRIPTION

PROJECT INFORMATION

BRIDGEPORT HOSPITAL AHU & ROOF REPLACEMENT

267 GRANT ST.
BRIDGEPORT, CT 06610
JOB NO: 5036

DRAWING INFORMATION

LIFE SAFETY

G300

05/30/19

THE ORIGINAL OF THIS DRAWING IS 30" X 42". IF THIS COPY IS ANY OTHER SIZE, IT HAS EITHER BEEN REDUCED OR ENLARGED. TAKE APPROPRIATE PRECAUTIONS ACCORDINGLY.