

Project Minutes

Project: Lincoln High School Project No.: 15061.03
 Prepared by: Jennifer Hayes Meeting Date: 1/17/18
 Re: Building and Fire Department Project Introduction Meeting No: 1
 Distribution: (MF), JGS, PJP, AML

Attendees:	Lincoln	SMMA
	Chief Richard Andrews	Anne Loiselle
	Roger Pierce	Paul Elliott
	Russell Hervieux	John Alfeo
		Jennifer Hayes

On January 17, 2018, SMMA met with Lincoln Building and Fire Department representatives to introduce the proposed building and site plans and to review code interpretations.

Item #	Action	Discussion
01.01		<p>Project Overview</p> <p>Reviewed proposed scope of project and identified that construction will be phased. Building will be occupied throughout construction.</p> <p>Requirement for permit submission: Organized code summary sheets outlining our approach to code compliance.</p>
01.02		<p>Codes</p> <p>Building official confirmed that IBC 2012 and IECC 2012 to be used for design.</p>
01.03		<p>Building Department</p> <p>Construction Type:</p> <p>SMMA identified the building as unprotected steel and masonry bearing wall construction that will be fully sprinklered as part of this project. SMMA identified that sprinkler piping at the central administration wing will be capped until construction in that wing takes place at a future date. SMMA noted that the existing type IIB construction building is over the allowable area and that at the end of construction the building will be smaller than it is now. SMMA to review work area method per Chapter 34 of building code, including percentage of project categorized as alterations, and to review approach with code consultant.</p>

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		<p>Fire Alarm/Exiting:</p> <p>SMMA to ensure that drawings show fire alarm as operational throughout duration of project. SMMA to ensure that exit signs are located appropriately throughout each phase of construction. Lincoln HS staff and students will need education about respecting fire alarms and exit signs during construction. SMMA discussed role of OPM to have daily involvement and to review proposed phasing and egress.</p> <p>Existing Stair Exemption</p> <p>SMMA highlighted exemption for existing stairs not compliant with current code for new construction.</p> <p>Emergency Electrical Closets</p> <p>Fire Department to determine whether walls are required to be rated, provided that sprinklers are used within the closets.</p> <p>Plumbing Fixture Counts</p> <p>SMMA reviewed approach for school with design capacity of 800 students and 76 staff. SMMA will assume concurrent use of auditorium and dining commons. SMMA will assume that use of these spaces will not occur concurrently with capacity use of the gymnasium (floor seating with aisles per fire code). SMMA identified that current auditorium seating capacity will be reduced by raised aisle to aid in ADA compliance. All present seemed to be in agreement with this approach.</p>
01.04		<p>Fire Department</p> <p>Fire Department Access</p> <p>SMMA reviewed proposed 360-degree access around entire building, including portion of building designated as future Central Administration. FD identified that 43-foot ladder truck will need to be able to travel through bituminous emergency access roadway at front of building. No turnarounds are required.</p> <p>Fire Hydrant Locations</p> <p>SMMA discussed approach of 8-inch main to feed existing/relocated hydrants. Two hydrants exist at street; one will be refed as part of this project. Loop around building will feed new hydrants at building. No issues raised.</p> <p>SMMA reviewed Water Department "hot box" requirement.</p>

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		<p>Sprinkler Fire Department Connection</p> <p>SMMA discussed approach with location at front of building. No issues raised. Final location to be determined during design process. Fire Department requires connection within 50 feet of hydrant.</p> <p>Lincoln Fire Department Unique Valve or Standpipe Requirements (beyond RI code)</p> <p>None noted. SMMA to provide valves at the stage as required. FD to research if code gives AHJ direction to require standpipes/valves if desired.</p> <p>Sprinkler Floor Control Valve Locations</p> <p>FD stated that above ceiling is acceptable, however they need to be accessible. Ceilings should be at a reasonable height to allow access.</p> <p>Heat Detectors/Sprinklers above Suspended Ceilings</p> <p>SMMA discussed exception (File No. 13-05) with FD. FD is aware of the interpretation.</p> <p>Voice Evacuation Scope</p> <p>FD confirmed voice evacuation is required only in the auditorium.</p> <p>Complete Fire Alarm Detection System</p> <p>FD preferred a new fire alarm system if possible. SMMA to replace existing proprietary fire alarm control panel with new non-proprietary control panel as requested by school officials and building personnel. SMMA will utilize existing fire alarm devices (horn/strobes and detectors) if compatible with non-proprietary control panel. Otherwise, existing devices will be replaced with new.</p> <p>FD confirmed only partial (not complete) fire detection is required, since it will be fully sprinklered.</p>

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		<p>Fire Department Radio Communication</p> <p>FD does not anticipate a radio amplifier communication system will be required. Fire trucks are equipped with amplifiers.</p> <p>Exterior Strobe</p> <p>SMMA identified location outside new main entry, with final location to be confirmed by the contractor. No issues raised.</p> <p>Zone Map</p> <p>No special request or graphics required for zone map. Zone map to clearly show each building zone.</p> <p>MC Cable Clarification: RI Fire Code</p> <p>FD to advise if PVC jacket fire alarm cable is acceptable in non-plenum rated spaces.</p>
1.05		<p>Additional</p> <p>Mechanical inspector will likely not permit fire wrapped PVC piping in plenums. Discussion regarding air quality of plenums and NECHPS requirements.</p> <p>Building official requested that materials testing reports be available to parents and to building department.</p> <p>Permit submission to include: COMcheck, RI 128 forms, 4 printed sets to Fire Department (of which 3 will be provided to Building Department); building permit application to be filled out online by contractor.</p> <p>Special inspections (concrete, steel, fireproofing, compaction tests): SMMA to identify whether such inspections are owner's or contractor's responsibility.</p> <p>Building official has requested timely reports from architects and engineers, in digital format, as quickly as possible after site visits. Reports from special inspections must also be delivered quickly to building official. Report from hazardous materials consultant must be delivered quickly to building official upon completion.</p> <p>If required to go before state board regarding construction type, board meets twice a month; process was described by building official as quick.</p>

The information herein reflects the understanding reached. Please contact the author if you have any questions or are not in agreement with these Project Minutes.