

GRAPHIC SCALE 1/4"=1'-0"

GRAPHIC SCALE 1/8"=1'-0"

GRAPHIC SCALE 1/16"=1'-0"

SPRINKLER LAYOUT NOTES

FIRE PROTECTION CONTRACTOR TO COORDINATE WITH THE G.C. THE EXACT LOCATION OF ALL SPRINKLER HEADS. ALL SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF ACOUSTICAL TILES. IN AREAS WITH HUNG CEILING OTHER AREAS WITHOUT CEILING, CONTRACTOR IS TO USE LUTMOST GAGE IN LAYOUT AND INSTALLATION OF EXPOSED PIPING TO MINIMIZE ITS VISUAL EFFECTS. SPRINKLER HEADS ARE TO BE ORGANIZED IN A REGULAR PATTERN WITH 4" SPACES. THEREFORE, ALL CONTRACTORS SHALL WORK WITH THE G.C. TO CREATE A REFLECTED CEILING PLAN FOR ARCHITECT/ENGINEER REVIEW AND APPROVAL PRIOR TO INSTALLATION OF ANY CEILING COMPONENTS.

THIS DRAWING IS TO ESTABLISH CRITERIA. FINAL DESIGN DRAWINGS AND HYDRAULIC CALCULATIONS ARE TO BE PERFORMED BY THE LICENSED IN THIS STATE INSTALLING CONTRACTOR. THE AUTOMATIC SPRINKLER DESIGNER SHALL HAVE ON SITE A MINIMUM OF ONE DESIGNER. THE DESIGNER SHALL HAVE A CURRENT NCST LEVEL 1, FIRE PROTECTION ENGINEERING TECHNICIAN, SUPPLY OF AUTOMATIC SPRINKLER LAYOUT, WHO SHALL OVERSEE AND BE RESPONSIBLE FOR THE PROJECT AND SHALL SIGN ALL DRAWINGS AND CALCULATIONS. IN LIEU OF A NCST DESIGNER, THIS WORK MAY ALSO BE SEALED BY A REGISTERED ENGINEER IN THE STATE OF NORTH CAROLINA.

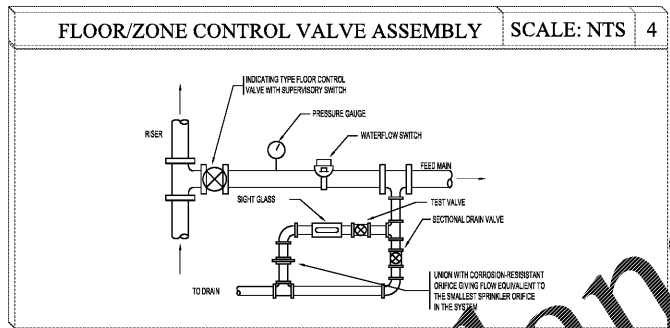
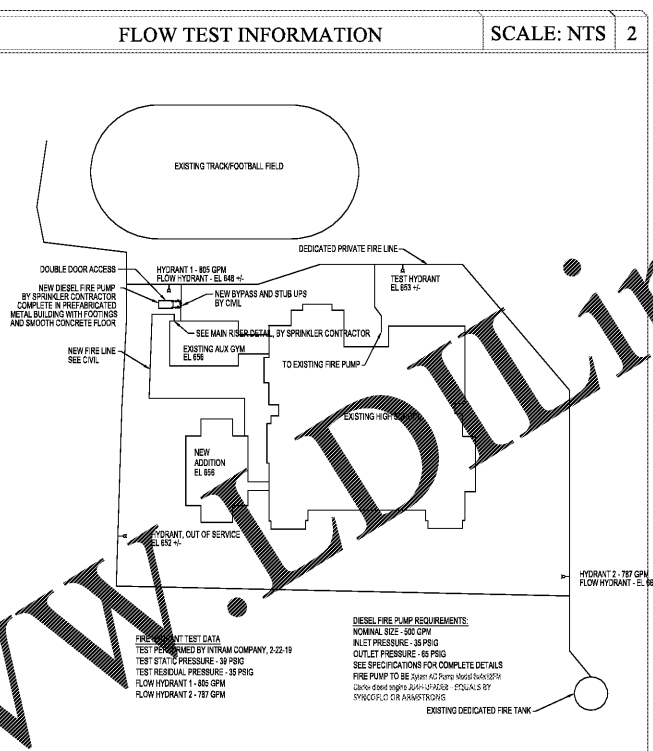
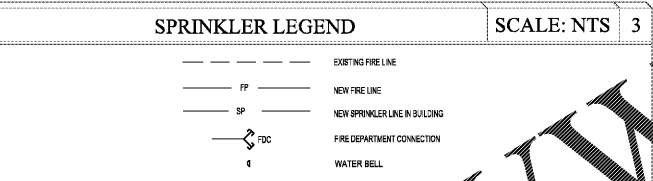
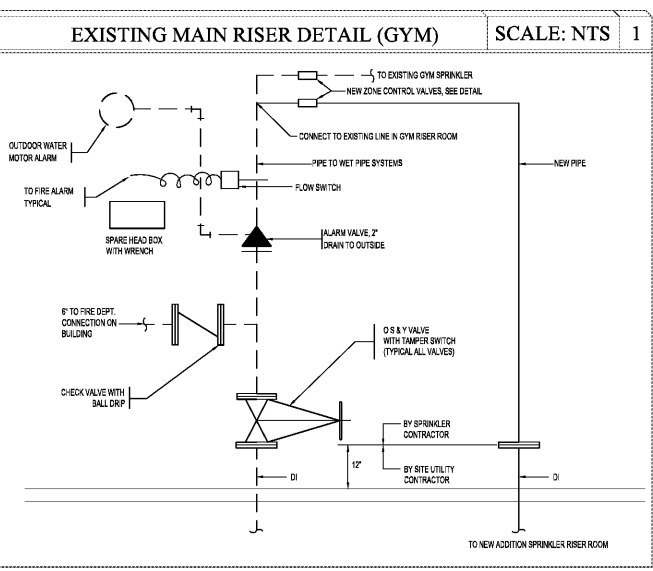
FIRE PROTECTION DESIGN CRITERIA

NFPA 15 AND NCBC
 LIGHT HAZARD CLASSIFICATION - BUILDING AREA
 225 SQUARE FEET MAXIMUM PER HEAD.
 19 GPM PER SQUARE FOOT FOR MOST REVOTE 1000 SQUARE FEET.
 200 GALLON INSIDE OUTS OF HOSE ALLOWANCE.
 ORDINARY 1 HAZARD CLASSIFICATION - KITCHENS, STORAGE ROOMS, ETC.
 130 SQUARE FEET MAXIMUM PER HEAD.
 15 GPM PER SQUARE FOOT FOR MOST REVOTE 1000 SQUARE FEET.

CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR BUILDING DESIGNS THAT AFFECT THE SPRINKLER DESIGN AND HYDRAULIC CALCULATIONS IE SLOPED CEILING, SLOPES, HAZARDOUS AND LARGE SUSPENDED OBJECTS TO APPLY DESIGN FACTORS PER NFPA 13.

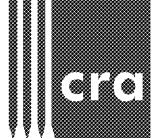
THE FLOW TEST IS TO BE DERIVED BY THE FOLLOWING FOR CALCULATIONS FOR SYSTEM FLOODINGS:
 RESIDUAL PRESSURE: 90% OF TEST DATA
 STATIC PRESSURE: 80% OF TEST DATA
 RESIDUAL FLOW: 90% OF TEST DATA

ALL MASONRY (BLOCK OR CONCRETE) PENETRATIONS TO BE CAST IN PLACE SLEEVES.
 ALL HEADS IN GYM AND STORAGE ROOMS TO HAVE HEAD GUARDS INSTALLED.
 SPRINKLER CONTRACTOR TO PROVIDE ALL MISCELLANEOUS STEEL NEEDED FOR SUPPORTS.



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THIS DRAWING IS NOT TO BE SEALED FOR CONSTRUCTION PURPOSES. THE SCALE WHERE INDICATED IS FOR GENERAL REFERENCE ONLY.



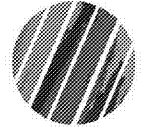
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Cedar Ridge High School
 Classroom Addition
 Orange County Schools
 1125 New Grady Brown School Road
 Hillsborough, North Carolina



no.	revisions

The use of these plans and specifications shall be restricted to the project and for which they were prepared and no other use shall be made without the express written consent of the architect. The contractor shall be responsible for the accuracy of the information furnished in these plans and specifications and shall be held liable for any errors or omissions. The architect shall not be responsible for any errors or omissions in the contractor's work.

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JPO	JPO
Details and Schedules	

sheet
FP0.1

project no. 1716

date 4/25/19