

Middlesex County College
Campus Sprinkler Upgrade – JLC & LIB
Bid #18-21

August 17, 2017

Addendum No. 1

The following is an addendum to the Specifications and Drawings and are considered to be part of the Bid Documents. The bid opening date has been changed to August 31, 2017 at 2 p.m.

Q1: Is the existing Water Flow Test data available (this would be used for estimating purposes only)?

The flow test results from the design phase are no longer current (dated: 11/14/2014). The existing flow test has been posted for reference only. A current flow test will be required for the new design.

Q2: Drawing FP-001, Fire Protection Note #7 indicates this project should be designed to meet Factory Mutual Global requirements, however the design criteria listed on FP-001 specifically for Ordinary Hazard applications does not comply with FMG. Please confirm FMG sprinkler system design requirements should be met for this project?

The MCC insurance underwriter is not FM Global. The design criteria as defined in the design criteria section of FP-001 shall overwrite FMG requirements. However, unless otherwise indicated on plans, the sprinkler design and products shall comply with FM Global criteria.

Q3: Please confirm that the Free Standing Fire Department Connections for each building are existing?

Confirmed. The library and JLC have free standing fire department connections installed and the piping is routed into the building.

Q4: Does the Vestibule on the Upper Level of the JLC Building require sprinkler protection? If so where is our point of entry for sprinkler branch line piping?

The vestibule at the upper level JLC entrance does require sprinkler protection. The piping will be routed above the drop ceiling and over the glass wall. The vestibule ceiling is not accessible at this time for visual inspection, but the existing building plan which details this area has been posted for reference. The contractor may plan for exposed sidewall sprinkler heads in the vestibule if further investigation reveals pendant heads are impractical.

Q5: Please confirm that a new gypsum wall board ceiling is scheduled for the top of the stairway in the Library?

Confirmed. In order to install sprinkler coverage in this area the existing gyp board ceiling will need to be disturbed and reconstructed. The contractor shall plan for a new ceiling in lieu of patching the existing.

Q6: Who is to provide protection for the equipment in the NOC Room of the JLC Building, will that be by the College or Contractor?

MCC will provide protection where necessary and practical. However, the contractor shall take all possible precautions to deconstruct and construct this area as cleanly and neatly as possible. Unlike the library, the live data racks cannot be covered due to cooling and air flow requirements. The data center will remain live throughout construction so MCC will work with the awarded contractor to execute a plan that works for both parties.

Cerullo Fire Protection, Inc.

901 New Brunswick Avenue · Rahway, NJ 07065
Phone # 732-388-1949 · Fax # 732-388-0096

Date: 11-14-14

Annual Hydrant Inspection Form

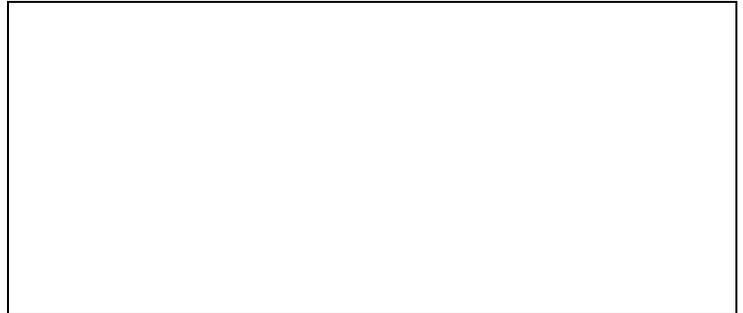
Customer : Middlesex County College

Job : Middlesex County College
2600 Woodbridge Avenue
Edison, NJ

Hydrant Locations :

1. See Attached Map
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

Property Diagram :



Hydrant outlets are slightly more than hand tight? Yes _____
The hydrant is free of leaks? See Attached Notes _____
The gaskets under the caps are in good condition? Yes _____
Nozzle threads are in good condition? Yes _____
Nozzle threads were lubricated with graphite oil
or similar lubricant? (Must be done annually.) Yes _____
Operating nut is in good condition? Yes _____
Hydrant drains properly? Yes _____
Hydrant paint is in good condition? Yes _____

Comments : See Attached Notes _____

The attached notes will also have the pitot readings, gpm and pressure readings taken at every hydrant.

The New Jersey State Fire Code N.J.A.C. 5:70-3.2(a) 5, F-517.3, requires that fire hydrants be tested annually to ensure proper function. Annual inspection includes :
All caps must be removed and the fire hydrant opened fully and flushed until all foreign material has cleared. Flow shall be maintained for not less the one minute.
Hydrants shall be lubricated annually to ensure that all stems, caps and threads are in proper operating condition. Fire hydrants shall be kept free of snow, ice or any
materials (trees and bushes) and not obstructed at any time.

Technician : W. Gingerelli III

Inspection Repairs & Notes

Customer : Middlesex County College

Job : Middlesex County College
2600 Woodbridge Avenue
Edison, NJ

Contact : _____

Inspector : W. Gingerelli III

Phone # : _____

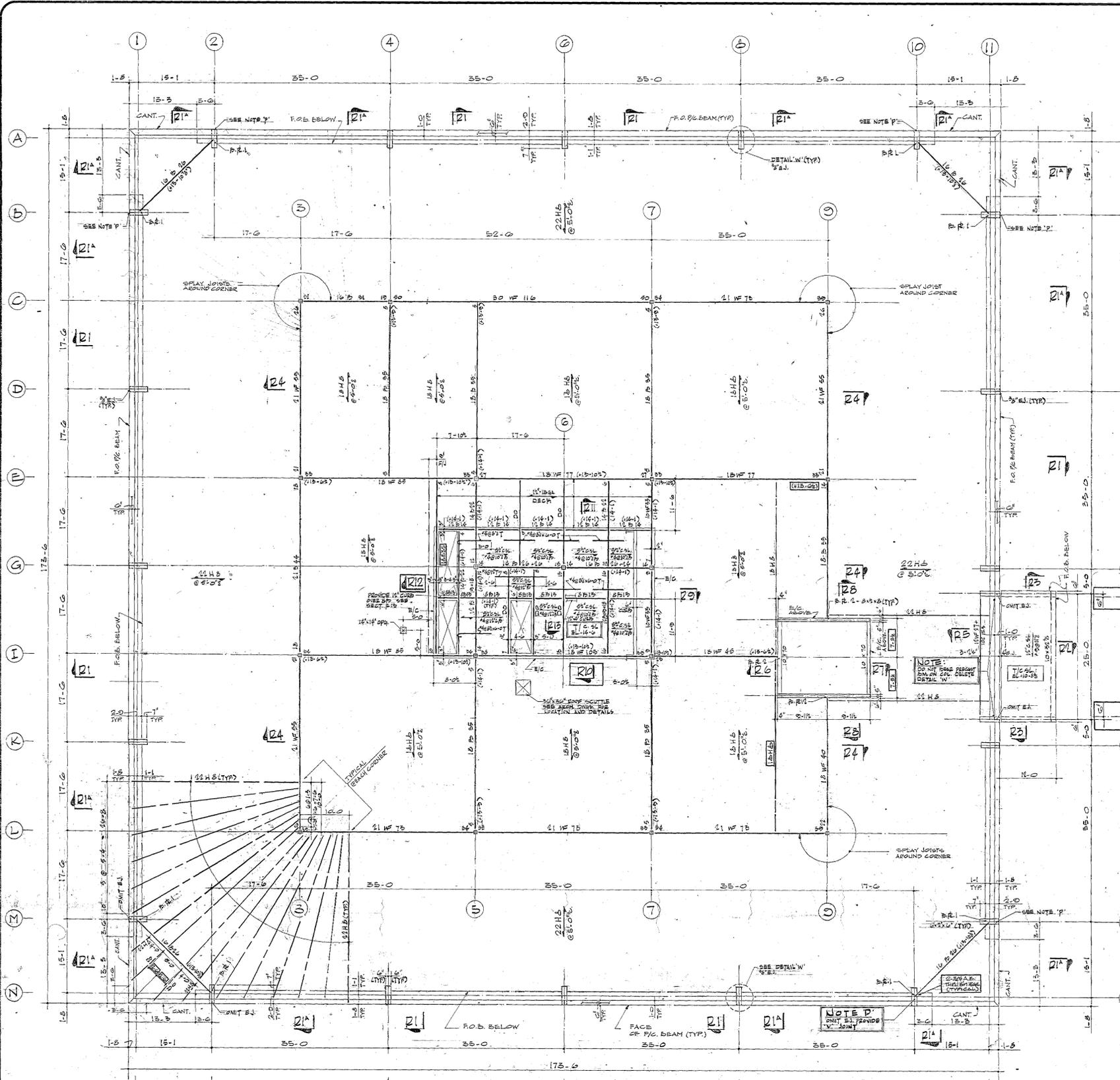
Fax/Email : _____

1. Hydrant #18 needs to be replaced. It was very difficult to operate and water sprayed out of the operating nut section while flowing. 1989 Mueller 41/4.

FLOW READINGS

- Hydrant 35 Static-70 Residual-55 Pitot-30 GPM-920
- Hydrant 35A Static-70 Residual-60 Pitot-30 Gpm- 920
- Hydrant 36 Static-70 Residual-55 Pitot-27 Gpm-875
- Hydrant 29A Static-66 Residual-59 Pitot-24 Gpm-820
- Hydrant 18 Static- 65 Residual-55 Pitot-22 Gpm-790
- Hydrant 19 Static-68 Residual-55 Pitot-25 Gpm-840
- Hydrant 16A Static-70 Residual-60 Pitot-28 Gpm-890
- Hydrant 15 Static-65 Residual-55 Pitot-29 Gpm-905
- Hydrant 14 Static-68 Residual-56 Pitot-28 Gpm-890
- Hydrant 37 Static-70 Residual-50 Pitot-16 Gpm-670

All hydrants were flowed through a 21/2" round smooth bore pitot tube.

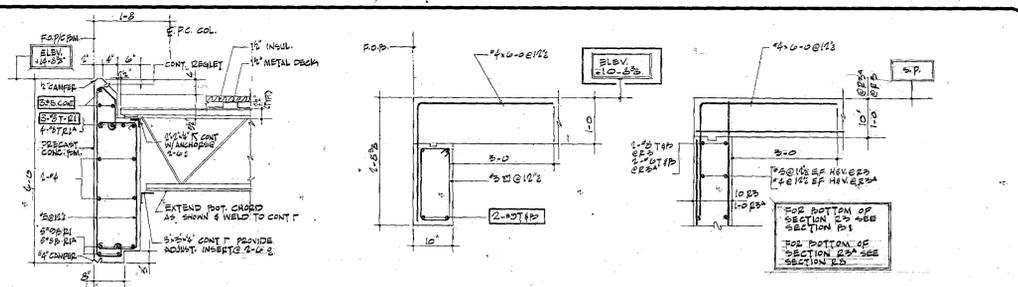


ROOF FRAMING PLAN

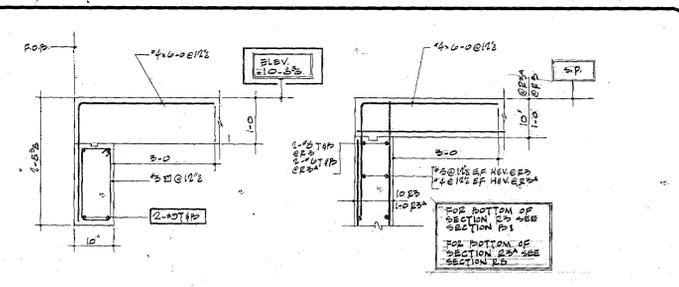
SCALE: 1/8" = 1'-0"

- NOTES:**
- TOP OF STEEL BEAM ELEV. (13'-0") UNLESS OTHERWISE SHOWN. THIS (...) ON PLAN INDICATING DISTANCE ABOVE ELEV. 0-0 = 10'-0"
 - DECK SHALL BE 1/2" GA. G.C.'S ROOF DECK BY H.I. ROBERTSON OR APPROVED EQUAL UNLESS OTHERWISE SHOWN ON PLAN.
 - FOR BALANCE OF NOTES SEE UPPER FLOOR FRAMING DWG. 5-4.

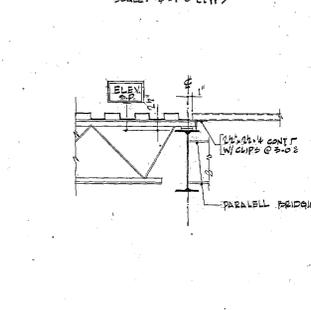
--- INDICATES CHANGES AS PER APPENDIX 'E' & REVISIONS.



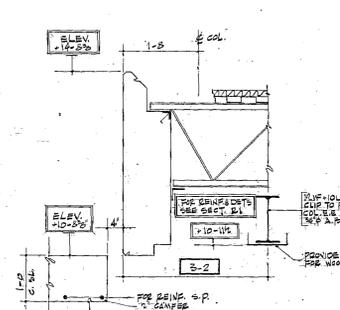
SECTION R1 & R1'
SCALE: 3/4" = 1'-0" (TYP)



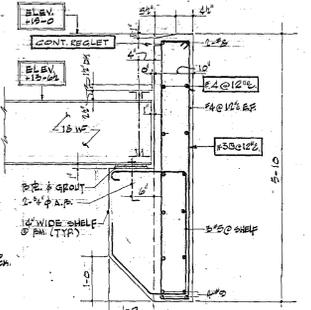
SECTION R2 SECTION R3 & R3'



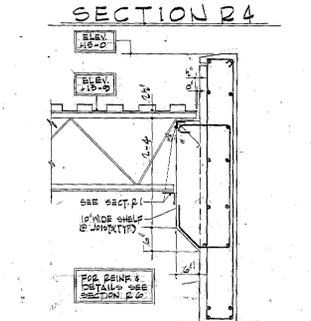
SECTION R4



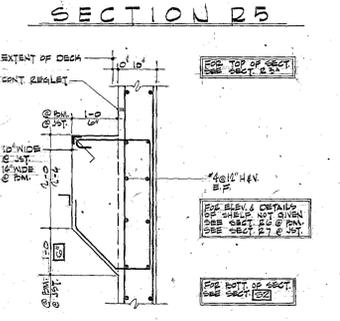
SECTION R5



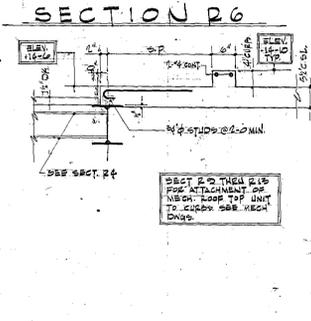
SECTION R6



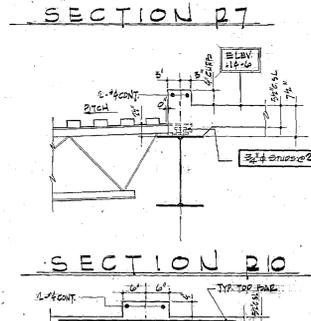
SECTION R7



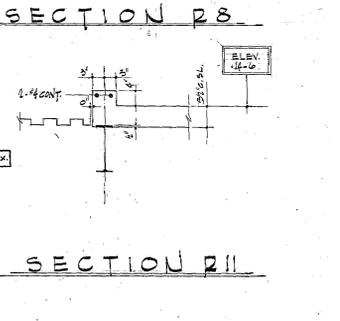
SECTION R8



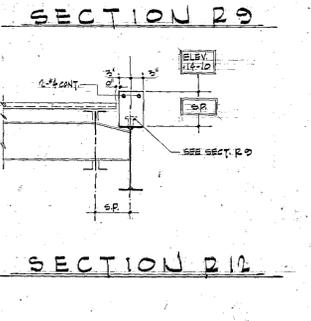
SECTION R9



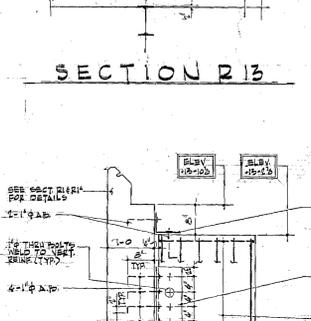
SECTION R10



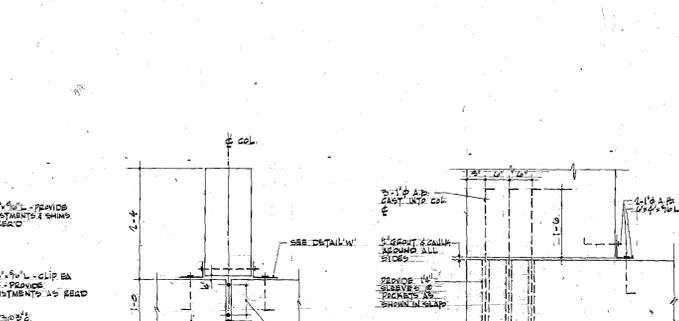
SECTION R11



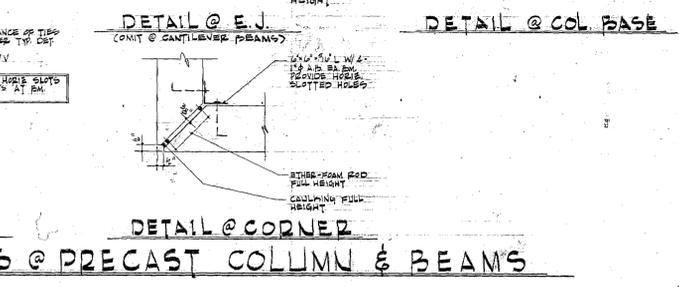
SECTION R12



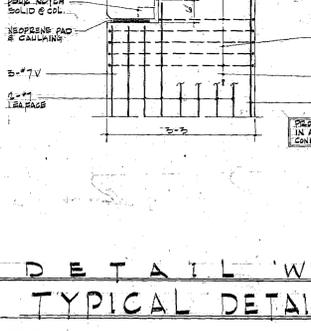
SECTION R13



DETAIL @ E.J.
(CONT. @ CANTILEVER BEAMS)



DETAIL @ CORNER



DETAIL 'W'

TYPICAL DETAILS @ PRECAST COLUMN & BEAMS

PART STAIR ROOF PLAN

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

NOTES:
1. TOP OF SLAB ELEV. 10'-4" ABOVE DATUM ELEV. 10'-0"

ZORAB VOSGANIAN & ASSOCIATES
CONSULTING ENGINEERS
460 WEST 42 STREET, NEW YORK, N.Y. 10036

E G ECKERT • GATARZ
ARCHITECTS
DONALD J. GATARZ
80 4 BOX 447 NORTH BRUNSWICK, N.J. NICHOLAS G. ECKERT 63758 DONALD J. GATARZ 64397

OWNER: BOARD OF TRUSTEES MIDDLESEX COUNTY COLLEGE
PROJECT: NEW LEARNING RESOURCE CENTER MIDDLESEX COUNTY COLLEGE EDISON TWP. NEW JERSEY.

JOB NO. 70104 DWS. TITLE ROOF FRAMING PLAN SCALE AS NOTED
DATE DEC. 15, 1971 DWG. NO.
REV. FEB. 23, 1972