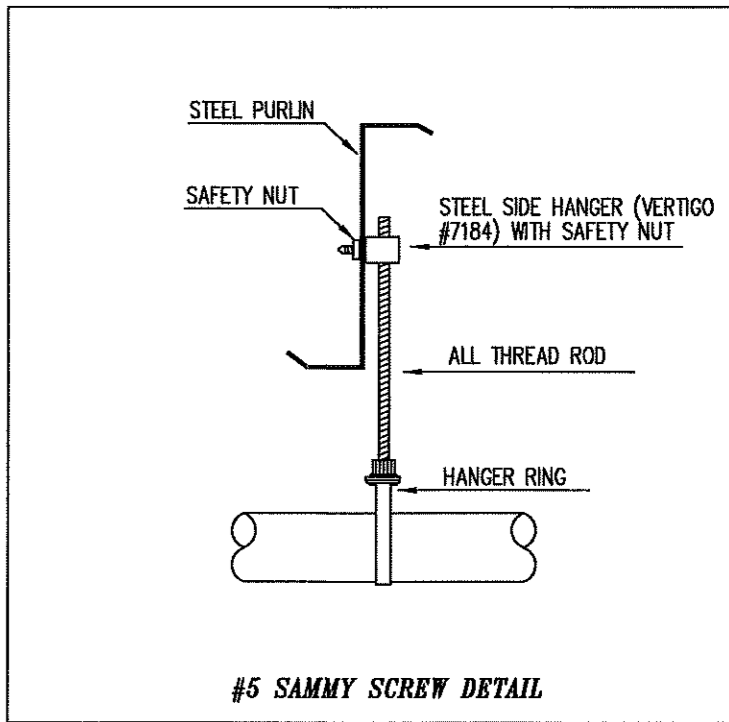
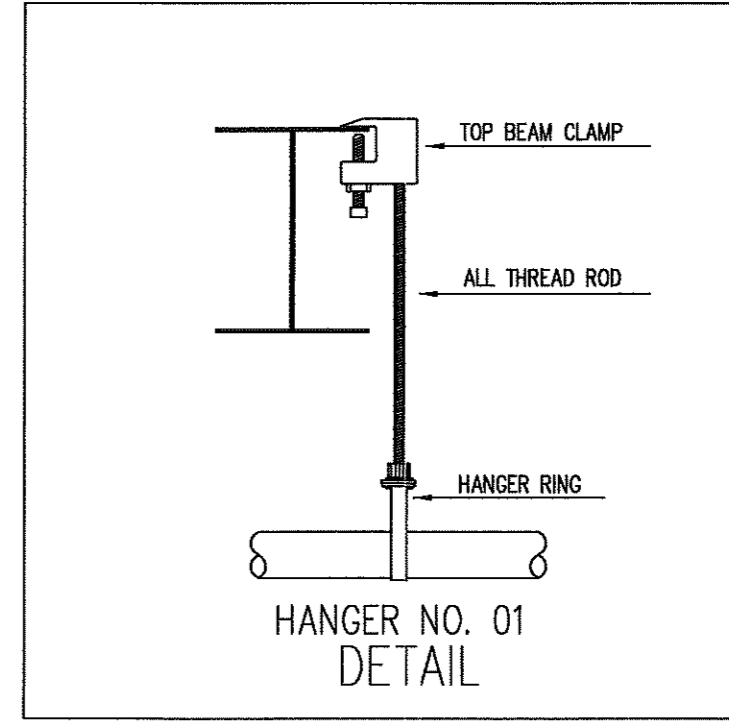
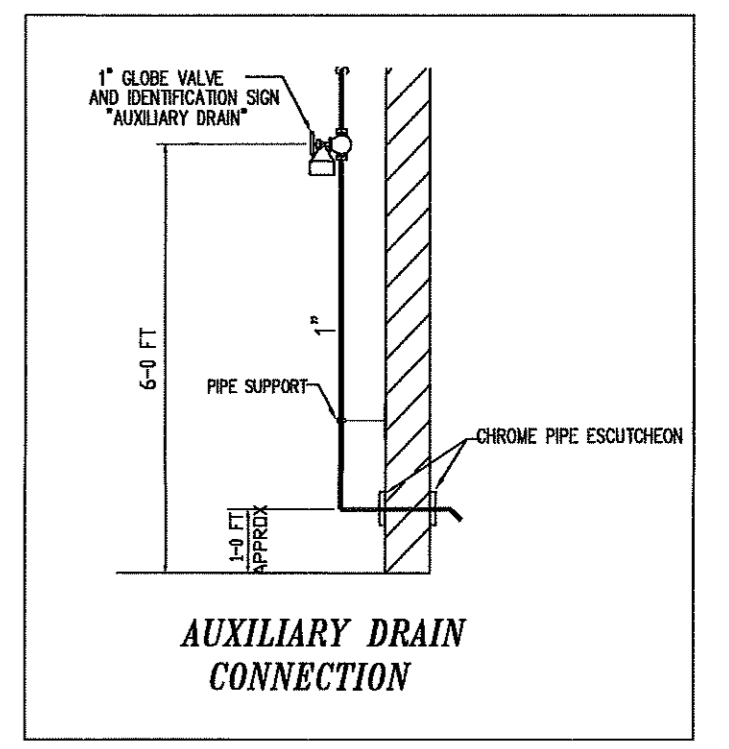
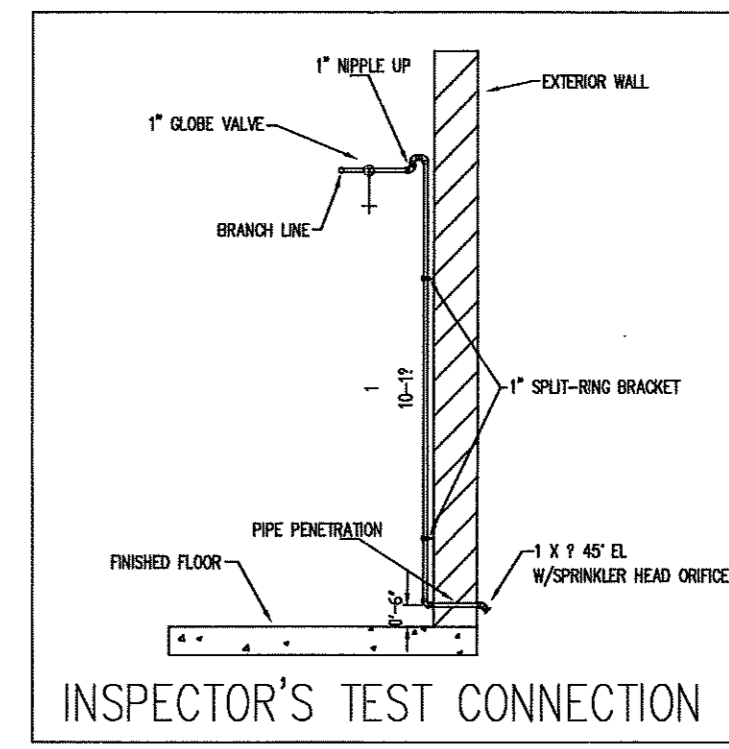


LEVEL 1 AREA A&B FIRE SPRINKLER PIPING PLAN

SCALE 1/8"=1'-0"

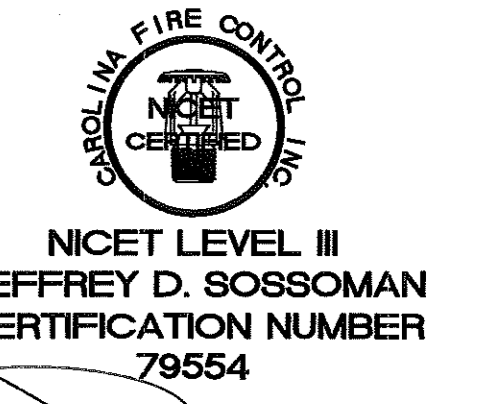


NOTE: HANGERS OMITTED FROM SUBMITTAL PLAN FOR CLARITY ONLY. FIELD SET INCLUDES HANGER LOCATIONS WHICH MEET NFPA 13 SPACING REQUIREMENTS SHOWN BELOW.

NORMAL PIPE SIZE (IN)	HANGER SPACING LEGEND									
	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
STEEL PIPE SCH 40 SCH 10, 10, 10, 10	N/A	30-0	30-0	30-0	30-0	30-0	30-0	30-0	30-0	30-0
THICKWALL LIGHTWALL	N/A	30-0	30-0	30-0	30-0	30-0	30-0	30-0	30-0	30-0
COPPER	6-0	6-0	6-0	6-0	6-0	6-0	6-0	6-0	6-0	6-0
CPVC	5-6	6-0	6-6	7-0	8-0	9-0	10-0	N/A	N/A	N/A

WHERE STATIC OR OPERATING PRESSURES EXCEED 100 PSI HANGERS SHALL BE PER NFPA 13 9.2.3.5.2.1 2013 EDITION

TOTAL HEAD COUNT	
AREA	QTY.
LEVEL 1	479
LEVEL 2	367
PROJECT TOTAL	846



GENERAL NOTES:
 1) THIS SYSTEM IS DESIGNED AND INSTALLED PER NFPA 13 (2013 EDITION)
 2) 2" OR SMALLER PIPING TO BE SCH 40 BLACK STEEL PIPE AND FITTINGS ARE THREADED FITTINGS.
 3) 3-1/2" OR LARGER PIPING TO BE SCH 10 BLACK STEEL PIPE AND FITTINGS ARE GROOVED/FLANGED.
 4) ALL HANGERS ARE TO MEET THE CRITERIA SET FORTH BY NFPA 13 (2013 EDITION) AND SPACED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 5) WIRING OF ELECTRICAL EQUIPMENT IS TO BE BY OTHERS.
 6) 'X' REPRESENTS A HYDRAULIC REFERENCE POINT.
 7) CAROLINA FIRE CONTROL TO START 1'-0" ABOVE FINISHED FLOOR.
 8) ALL UNDERGROUND PIPING BY OTHERS.
 9) SPRINKLERS LOCATED 7'-0" OR LESS FROM FLOOR TO BE PROTECTED WITH APPROVED GUARDS.

**NFPA 13(2013 ED.)
 NFPA 14(2013 ED.)
 NFPA 20(2013 ED.)**

WATER SUPPLY INFORMATION
 STATIC PRESSURE 56 FIRE PUMP YES
 RESIDUAL PRESSURE 38 SIZE GPM @ PSI 500075
 FLOW GPM 480V TYPE OF DRIVER ELEC
 DATE OF TEST 10-10-18 ELECTRICAL REQS 480V
 HYDRANT LOCATION CAMPBELL PARKING LOT ALONG TLANER RD
 TEST TAKEN BY BUJES CREEK FIRE DEPARTMENT

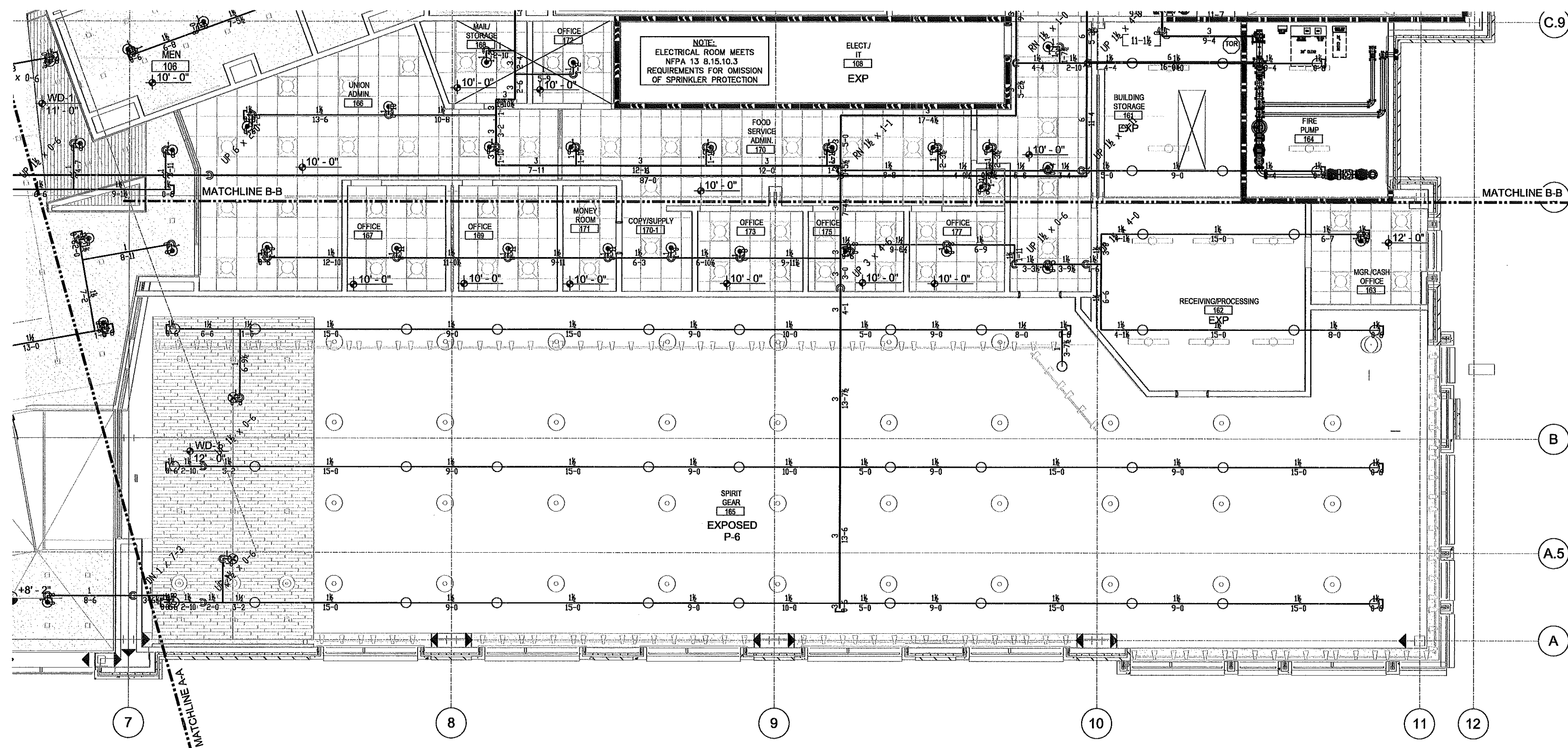
DESIGN CRITERIA
 REMOTE AREA NUMBER
 DENSITY PER HEAD
 AREA OF APPLICATION
 TEST TAKEN BY

SPRINKLER HEAD LEGEND											
SYMBOL	QUANTITY	MAKE	MODEL	STYLE	K-FAC	TEMP	THREAD SIZE	SPRINKLER FINISH	TYPE OF ESCUTCHEON	ESGUTCHEON FINISH	SPRINKLER IDENT NO.(S.I.N.)
○	88	RELIABLE	FIFR56	PENDENT	5.6	175°	3/4"	CHROME	SEMI-REC	CHROME	RA1414
○	87	RELIABLE	FIFR56	UPRIGHT	5.6	175°	3/4"	CHROME	N/A	N/A	RA1425
○	8	RELIABLE	J112	EXT PEND	11.2	155°	3/4"	CHROME	SEMI-REC	CHROME	RA7216
○	0	RELIABLE	J112	EXT UPRIT	11.2	155°	3/4"	BRONZE	N/A	N/A	RA7326
○	2	RELIABLE	F3QR56	DRY PEND	5.6	165°	1"	CHROME	SEMI-REC	CHROME	R5714
○	0										
○	0										
○	0										
○	0										
○	185	TOTAL FOR SHEET									TOTAL FOR PROJECT

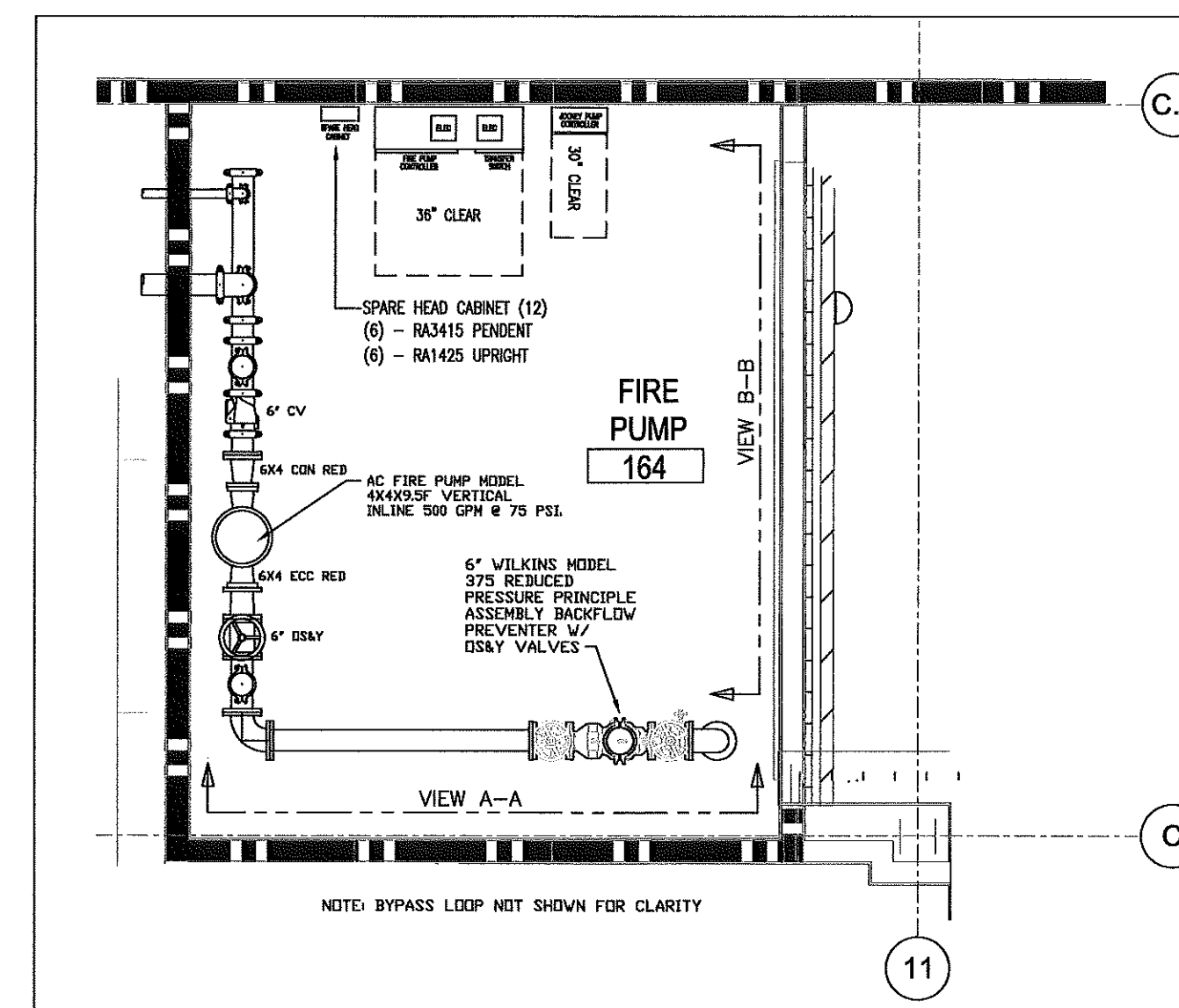
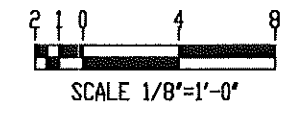
NO.	DATE	REVISION DESCRIPTION	BY

Carolina Fire Control
 INCORPORATED
 P O BOX 1090 CONCORD, N.C. 28026
 PH: 704-784-4218 FAX: 704-784-4405
 NC FIRE SPRINKLER CONTRACTOR #16603
 SC FIRE SPRINKLER CONTRACTOR: FSC1078

CAMPBELL UNIVERSITY
 STUDENT UNION
 MAIN STREET BUJES CREEK, NORTH CAROLINA 27506
 CONTRACT WITH: **TA LOVING**
 400 PATETOWN ROAD
 GOLDSBORO, NORTH CAROLINA 27530
 DRAWN BY: JEFF WYATT AHS: HANNETT COUNTY FM
 DATE: 11-19-18
 SCALE: AS NOTED
 CONTRACT NO. **FP 3 OF FP 9**
 18-2186

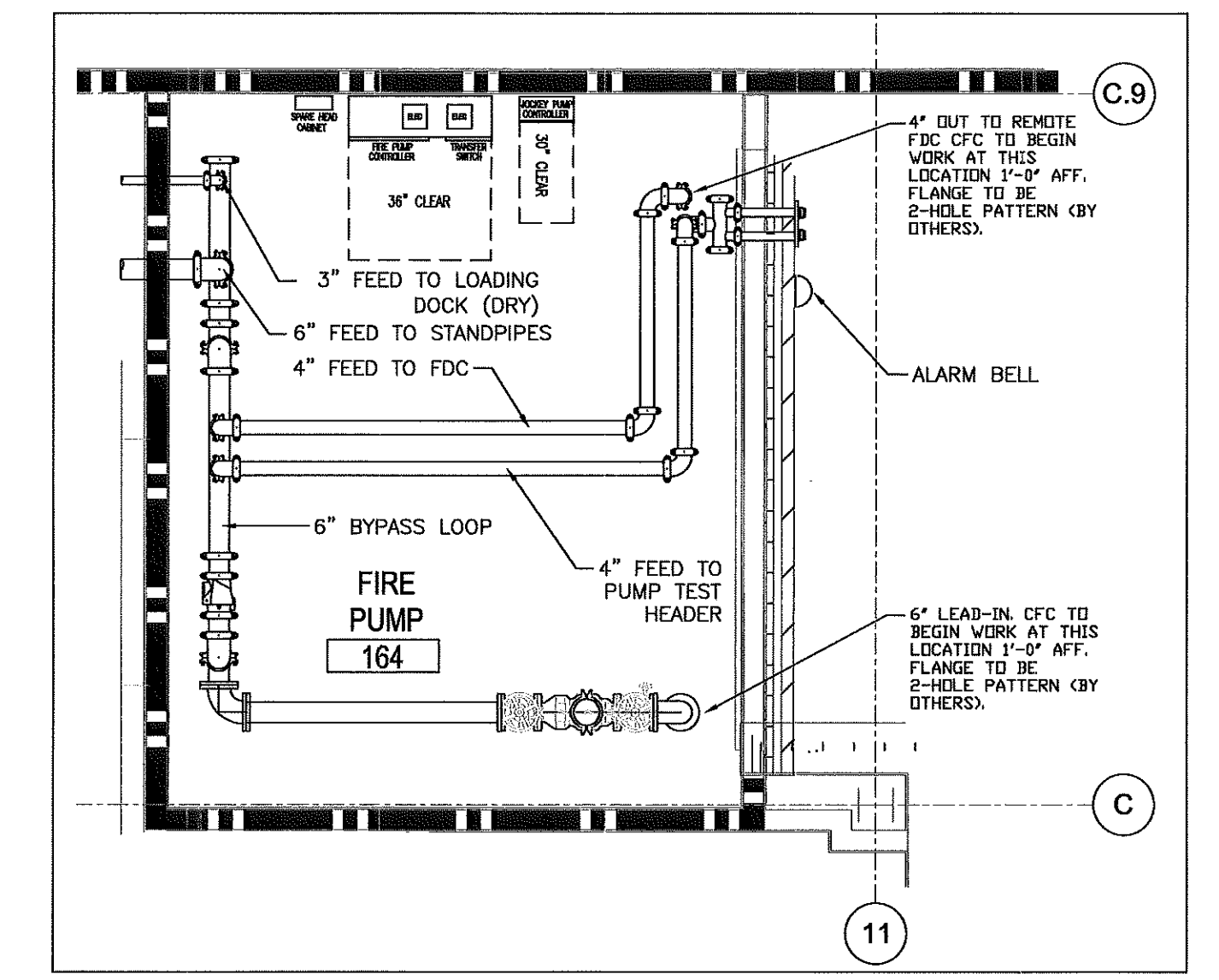


LEVEL 1 AREA C&D FIRE SPRINKLER PIPING CON'T



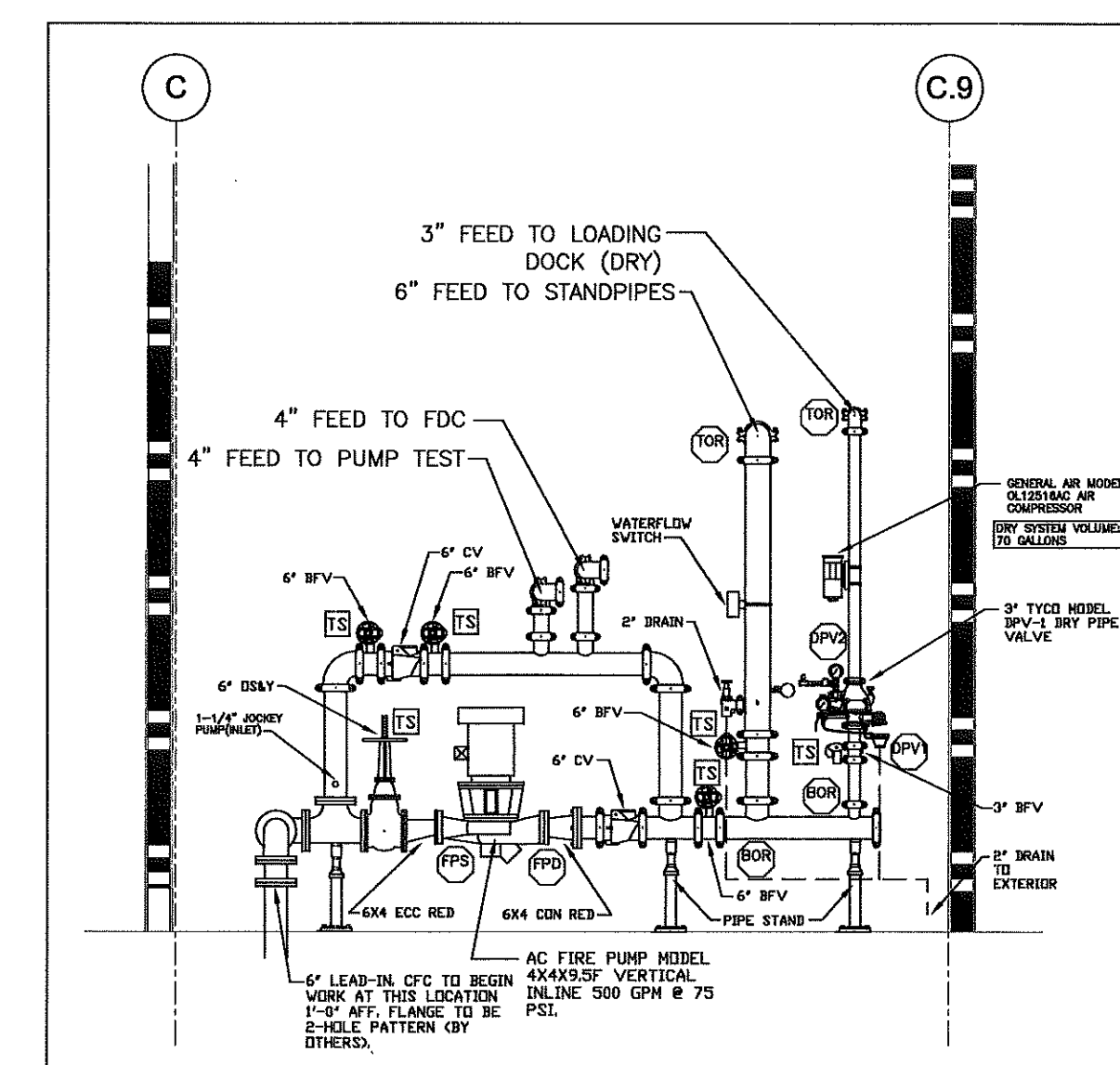
FIRE PUMP ROOM PLAN

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



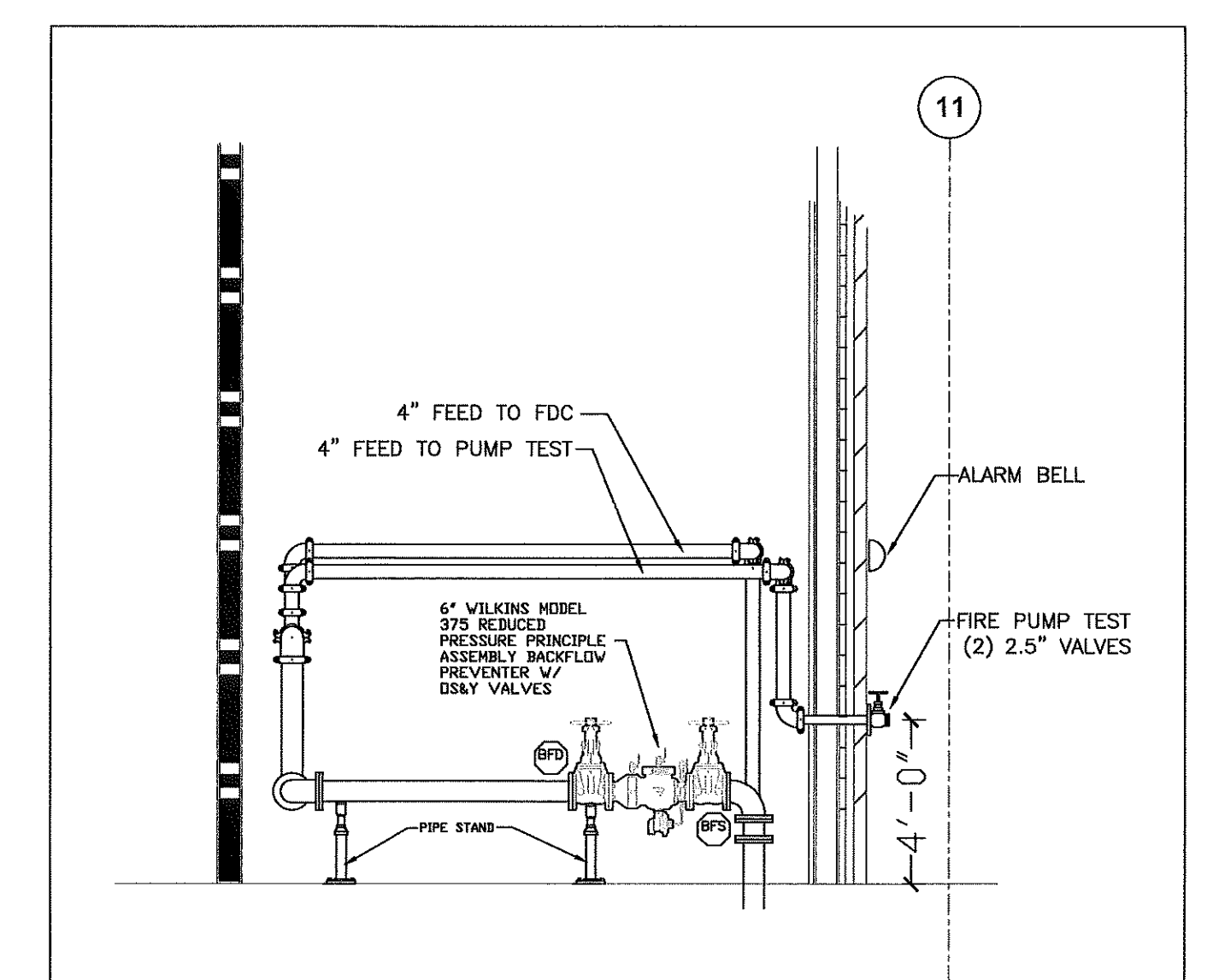
FIRE PUMP ROOM PLAN

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



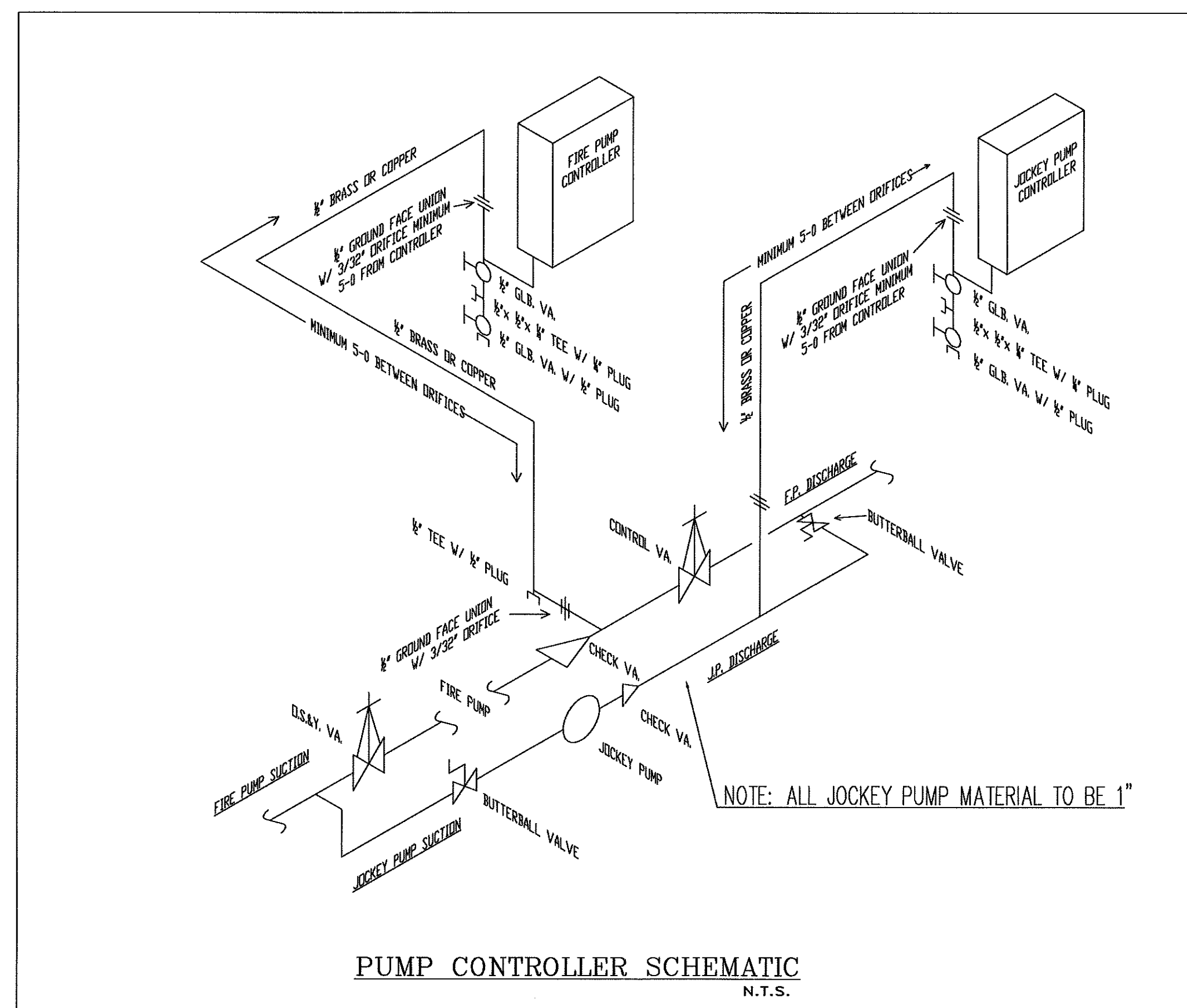
FIRE PUMP ELEVATION DETAIL

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

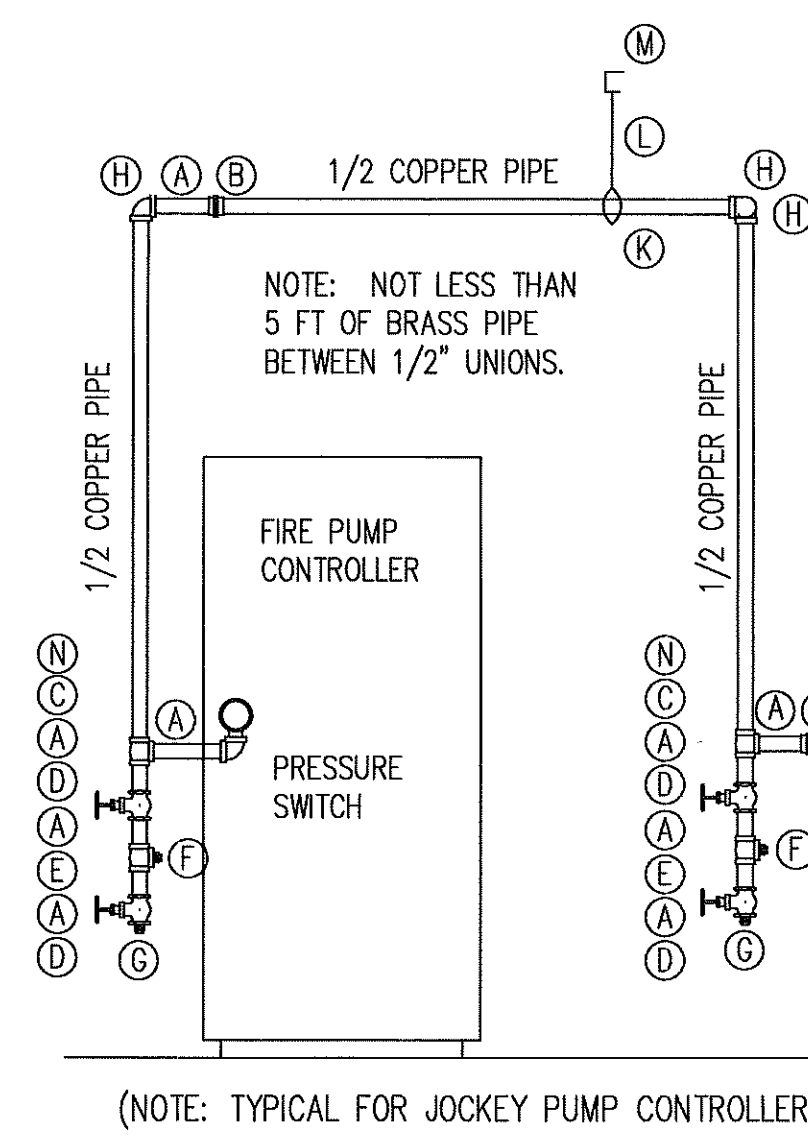


VIEW A-A

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



PUMP CONTROLLER SCHEMATIC
N.T.S.

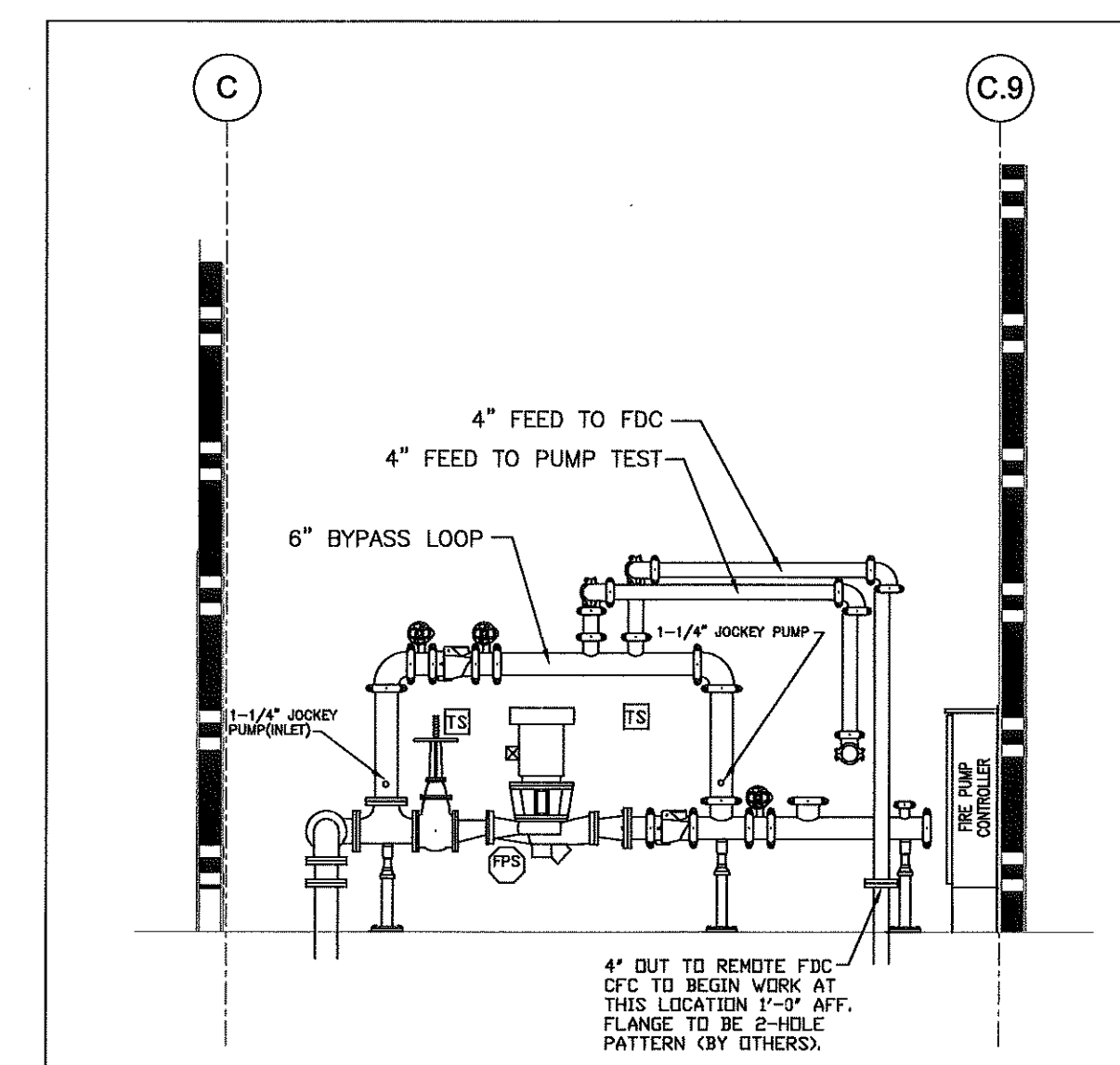


SENSING LINE DETAIL

MATERIALS FOR JOCKEY AND FIRE PUMP SENSING LINE

- (A) (20) 1/2 X 0-3 BRASS NIP
- (B) (4) 1/2 RESTRICTED UNION WITH 3/32 ORIFICE (BRASS)
- (C) (4) 1/2 BRASS TEE
- (D) (8) 1/2 GLOBE VALVE
- (E) (4) 1/2 X 1/2 X 1/4 BRASS TEE
- (F) (4) 1/4 BRASS PLUG
- (G) (4) 1/2 BRASS PLUG
- (H) (10) 1/2 COPPER (SWEAT TYPE) 90 ELL
- (J) (3) 1/2 X 21-0 COPPER PIPE
- (K) (12) 1/2 HANGER RINGS
- (L) (6) 3/8 X 10-0 ALL THREAD ROD
- (M) (12) 3/8 TOP BEAM CLAMPS
- (N) (4) 1/2 COPPER MALE ADAPTERS

(NOTE: TYPICAL FOR JOCKEY PUMP CONTROLLER)



VIEW B-B

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

GENERAL NOTES:
1) THIS SYSTEM IS DESIGNED AND INSTALLED PER NFPA 13 (2013 EDITION)
2) 2" OR SMALLER PIPING TO BE SCH. 40 BLACK STEEL PIPE AND FITTINGS ARE THREADED FITTINGS
3) 2-1/2" OR LARGER PIPING TO BE SCH. 10 BLACK STEEL PIPE AND FITTINGS ARE GROOVED/FLANGED
4) ALL HANGERS ARE TO MEET THE CRITERIA SET FORTH BY NFPA 13 (2013 EDITION) AND SPACED ACCORDING TO MANUFACTURER SPECIFICATIONS
5) WIRING OF ELECTRICAL EQUIPMENT IS TO BE BY OTHERS
6) (V) REPRESENTS A HYDRAULIC REFERENCE POINT
7) CAROLINA FIRE CONTROL TO START 1'-0" ABOVE FINISHED FLOOR
8) ALL UNDERGROUND PIPING BY OTHERS
9) SPRINKLERS LOCATED 7'-6" OR LESS FROM FLOOR TO BE PROTECTED WITH APPROVED GUARDS

NFPA 13(2013 ED.)
NFPA 14(2013 ED.)
NFPA 20(2013 ED.)

WATER SUPPLY INFORMATION		
STATIC PRESSURE	56	FIRE PUMP YES
RESIDUAL PRESSURE	38	SIZE GPM @ PSI 500@75
FLOW G.P.M.	920	TYPE OF DRIVER ELEC.
DATE OF TEST	10-10-18	ELECTRICAL REQ. 480V
HYDRANT LOCATION	CAMPBELL PARKING LOT ALONG TFLANDER RD	
TEST TAKEN BY	BUYES CREEK FIRE DEPARTMENT	
NOTES		

DESIGN CRITERIA	
REMOTE AREA NUMBER	
COVERAGE PER HEAD	
DENSITY	
AREA OF APPLICATION	
SPRINKLER TYPE	
NO. OF HEADS IN DESIGN AREA	
ELEV. @ HIGHEST HEAD	
INSIDE HOSE	
OUTSIDE HOSE	
SAFETY	

SPRINKLER HEAD LEGEND											
SYMBOL	QUANTITY	MAKE	MODEL	STYLE	K-FAC.	TEMP.	THREAD SIZE	SPRINKLER FINISH	ESCUITCHRON FINISH	SPRINKLER IDENT. NO./SLAN	
⊙	11	RELIABLE	FIFR56	PENDENT	5.6	175°	1/2"	CHROME	SEMI-REC	CHROME	RA1414
⊙	36	RELIABLE	FIFR56	UPRIGHT	5.6	175°	1/2"	BRASS	N/A	N/A	RA1425
⊙	2	RELIABLE	J112	EXT PEND	11.2	155°	3/4"	CHROME	SEMI-REC	CHROME	RA7216
⊙	0	RELIABLE	J112	EXT UPRIT	11.2	155°	3/4"	BRONZE	N/A	N/A	RA7326
⊙	0	RELIABLE	F3QR56	DRY PEND	5.6	165°	1"	CHROME	SEMI-REC	CHROME	R5714
0	0										
0	0										
0	0										
49	TOTAL FOR SHEET										
TOTAL FOR PROJECT											

NO.	DATE	REVISION DESCRIPTION	BY
1			
2			
3			
4			
5			

Carolina Fire Control
INCORPORATED

P O BOX 1090
CONCORD, N.C. 28026

PH: 704-784-4218
FAX: 704-784-4408

NC FIRE SPRINKLER CONTRACTOR #16603
SC FIRE SPRINKLER CONTRACTOR: FSC.1078

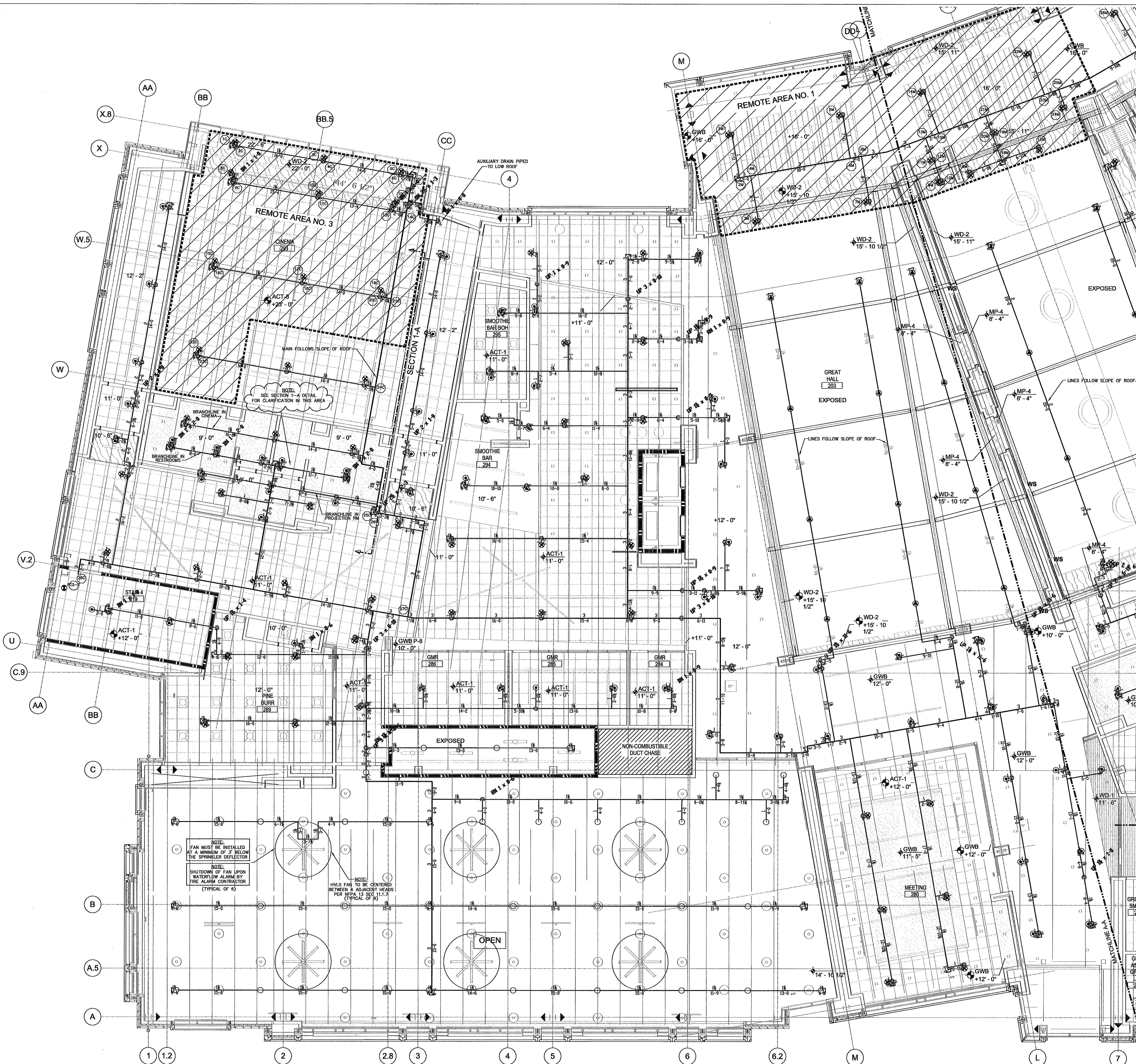
CAMPBELL UNIVERSITY
STUDENT UNION
MAIN STREET BUYES CREEK, NORTH CAROLINA 27506

CONTRACT W/FP: **TA LOVING**
400 PATETOWN ROAD
GOLDSBORO, NORTH CAROLINA 27530

DRAWN BY: JEFF WYATT
DATE: 11-19-18
SCALE: AS NOTED
CONTRACT NO.: 18-2186

NICET LEVEL III
JEFFREY D. SOSSOMAN
CERTIFICATION NUMBER
79554

FP 5 OF FP 9

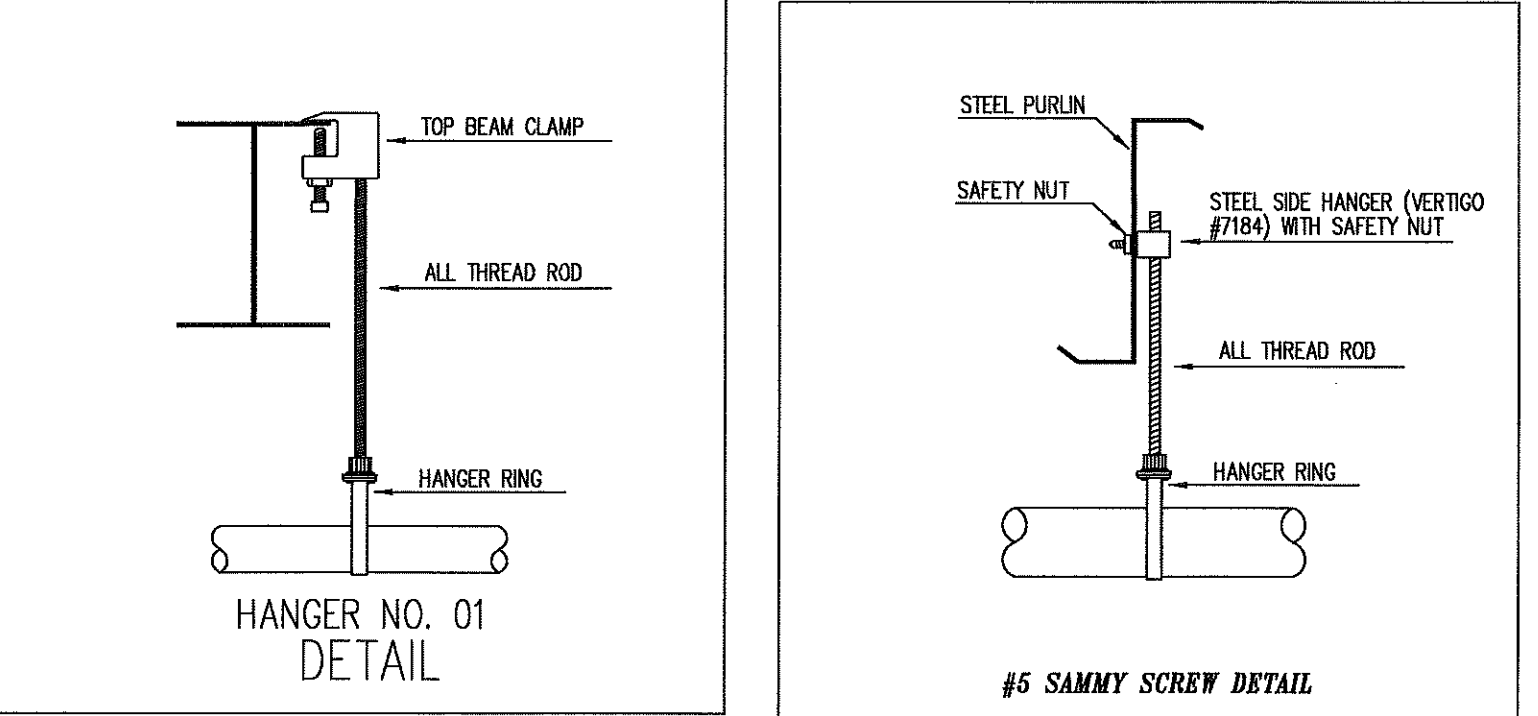
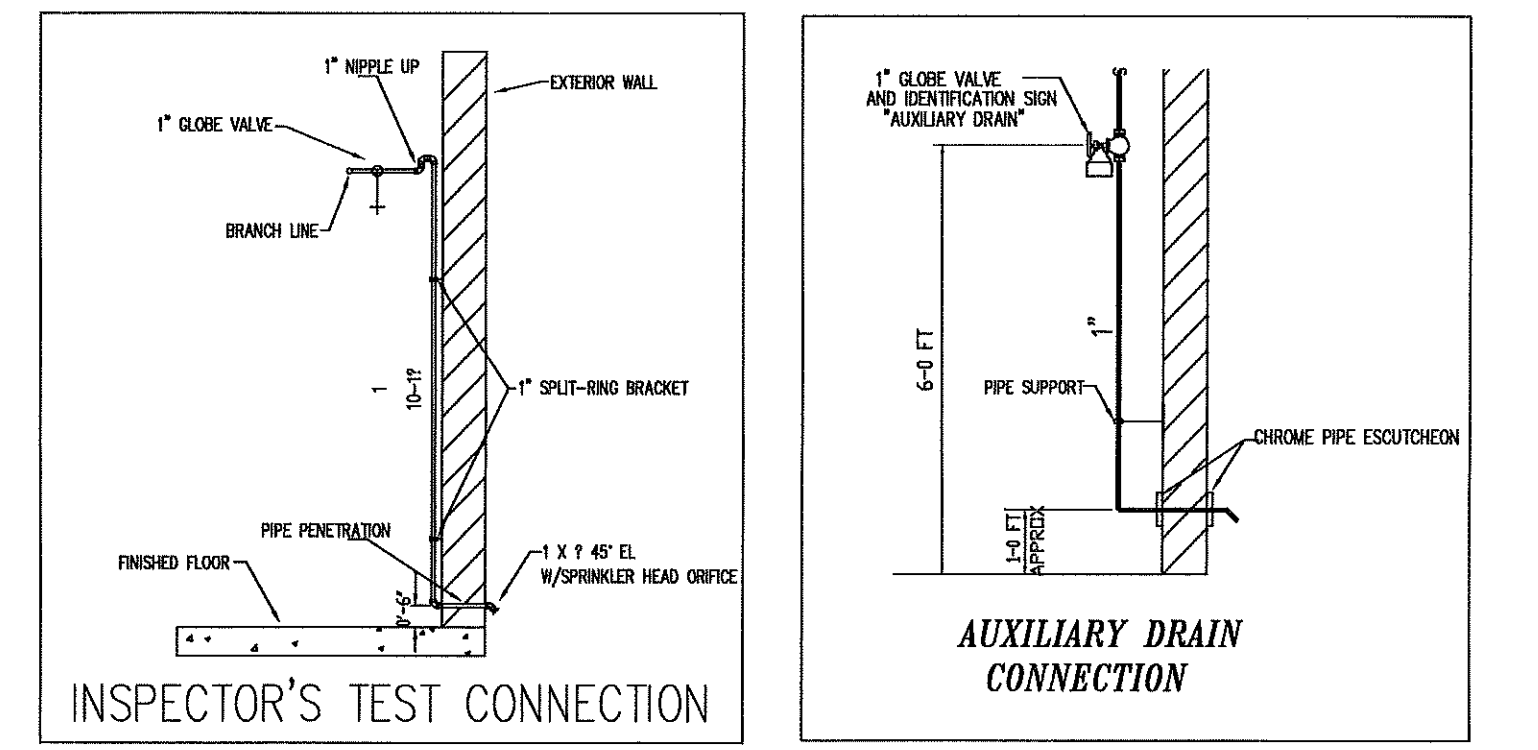


LEVEL 2 AREA C&D FIRE SPRINKLER PIPING PLAN

SCALE 1/8"=1'-0"

CALC DATA FILE: CUSH-CINEMA5F
 This building is protected by a hydraulically designed sprinkler system.
 Design Area No. 3
 Location: CINEMA
 Number of sprinklers calculated: 10
 Basis of design:
 LIGHT HAZARD
 Density: 0.10 gpm/ft²
 Area: 1,539 Ft²
 Flow: 542.7 gpm @ 102.4 psi
 Includes 100 gpm Hose allowance

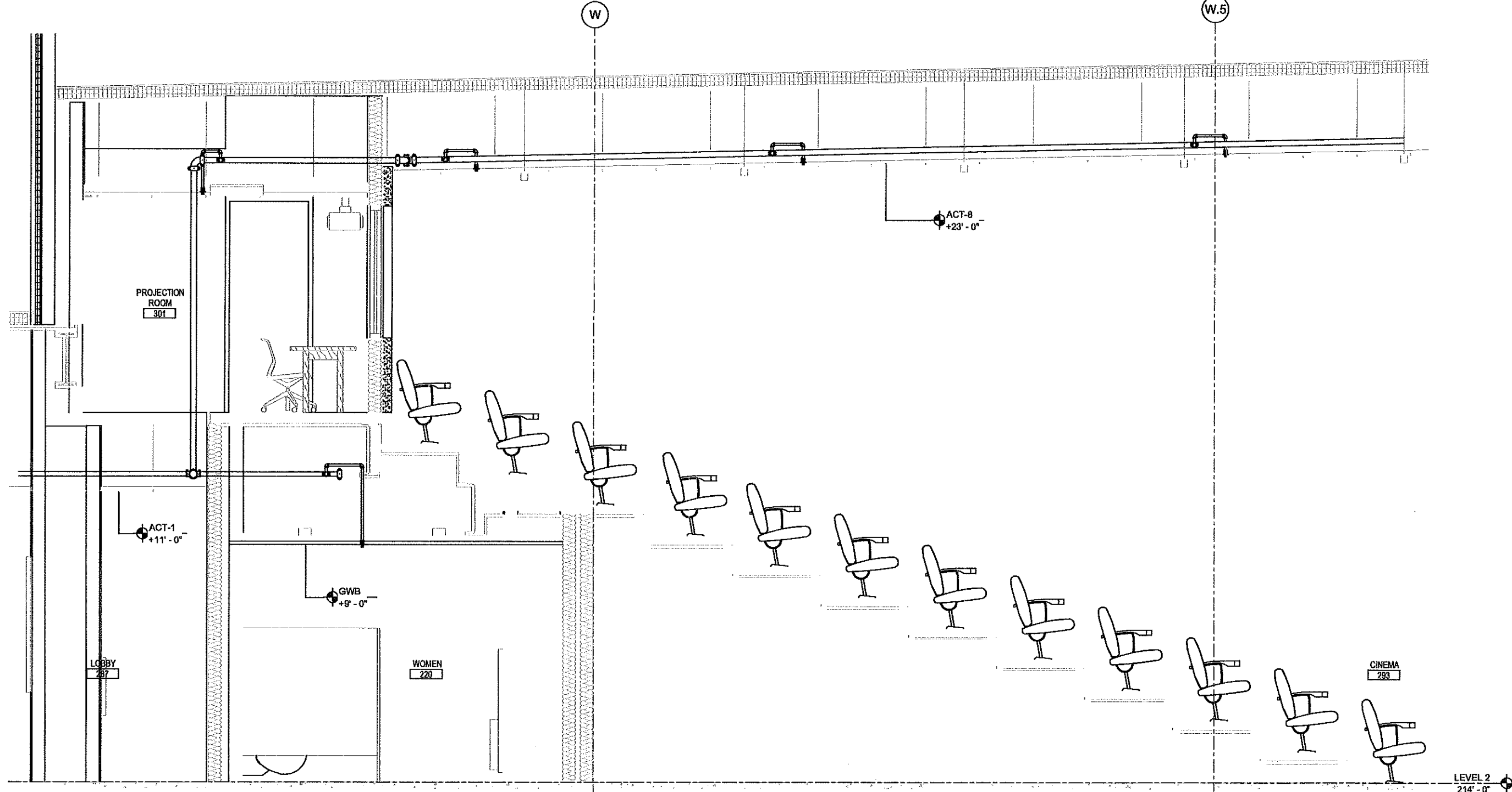
HYDRAULIC SYSTEM
 This building is protected by a hydraulically designed Automatic Sprinkler System
 Location: CINEMA
 No. of Sprinklers: 10
 Basis of Design: 0.10 GPM/FT²
 SYSTEM DEMAND:
 1. GPM DISCHARGE: 542.7 GPM
 2. RESIDUAL PRESSURE AT THE BASE OF THE RISER: 102.4 PSI
 CAROLINA FIRE CONTROL, INC.
 (704) 784-4218
 TO BE HUNG AT FLOOR CONTROL ASSEMBLY



NOTE: HANGERS OMITTED FROM SUBMITTAL PLAN FOR CLARITY ONLY. FIELD SET INCLUDES HANGER LOCATIONS WHICH MEET NFPA 13 SPACING REQUIREMENTS SHOWN BELOW.

HANGER SPACING LEGEND	PER NFPA 13 TABLE 9.2.2.1 (2013 EDITION)											
	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"		
MINORAL PIPE SIZE (IN)	N/A	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
STEEL PIPE (SCH 40, 10, 15, 20, 30, 40, 60, 80, 100, 120, 140, 160, 180, 200)	N/A	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
THREADED LIGHTWALL	N/A	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
CEPPER	8-8	8-8	8-8	8-8	8-8	8-8	8-8	8-8	8-8	8-8	8-8	8-8
DPVC	5-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6

WHERE STATIC OR OPERATING PRESSURES EXCEED 100 PSI HANGERS SHALL BE PER NFPA 13 9.2.3.5.2.1 2013 EDITION



SECTION 1-A DETAIL
 SCALE 1/4"=1'-0"

TOTAL HEAD COUNT	
AREA	QTY.
LEVEL 1	479
LEVEL 2	367
PROJECT TOTAL	846

NICET LEVEL III
JEFFREY D. SOSSOMAN
 CERTIFICATION NUMBER 79554

GENERAL NOTES:
 1) THIS SYSTEM IS DESIGNED AND INSTALLED PER NFPA 13 (2013 EDITION)
 2) 2" OR SMALLER PIPING TO BE SCH. 40 BLACK STEEL PIPE AND FITTINGS ARE THREADED FITTINGS.
 3) 1/2" OR LARGER PIPING TO BE SCH. 10 BLACK STEEL PIPE AND FITTINGS ARE GROOVED/FLANGED.
 4) ALL HANGERS ARE TO MEET THE CRITERIA SET FORTH BY NFPA 13 (2013 EDITION) AND SPACED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 5) WIRING OF ELECTRICAL EQUIPMENT IS TO BE BY OTHERS.
 6) 'X' REPRESENTS A HYDRAULIC REFERENCE POINT.
 7) CAROLINA FIRE CONTROL TO START 1'-0" ABOVE FINISHED FLOOR.
 8) ALL UNDERGROUND PIPING BY OTHERS.
 9) SPRINKLERS LOCATED 7'-6" OR LESS FROM FLOOR TO BE PROTECTED WITH APPROVED GUARDS.

NFPA 13(2013 ED.)
NFPA 14(2013 ED.)
NFPA 20(2013 ED.)

WATER SUPPLY INFORMATION
 STATIC PRESSURE: 56 FIRE PUMP: YES
 RESIDUAL PRESSURE: 38 SIZE GPM @ PSI: 800@75
 FLOW GPM: 920 TYPE OF RISER: ELEC.
 DATE OF TEST: 10-10-18 ELECTRICAL REQ.: 480V
 HYDRANT LOCATION: CAMPBELL PARKING LOT ALONG TLANER RD
 TEST TAKEN BY: BUJES CREEK FIRE DEPARTMENT

DESIGN CRITERIA
 REMOTE AREA NUMBER: NL 3
 CONVERGENCE PER HEAD: 400 SF
 DENSITY: 0.10 GPM
 AREA OF APPLICATION: 1539 SF
 GPM @ (REQ): 102.4
 GPM @ (REQ): 442.7
 NL OF HEADS IN DESIGN AREA: 10
 ELEV. @ HIGH HEAD: 226'-6"
 HOISE ALLOWANCE: 100 GPM
 SAFETY: 12.0%

SPRINKLER HEAD LEGEND

SYMBOL	QUANTITY	MAKE	MODEL	STYLE	K-FAC	TEMP	THREAD SIZE	SPRINKLER FINISH	TYPE OF ESCUTCHION	ESGUTHEON FINISH	SPRINKLER IDENT. NO.(S.I.N.)
○	58	RELIABLE	F1FR56	PENDENT	5.6	175°	1/2"	CHROME	SEMI-REC	CHROME	R41414
○	44	RELIABLE	F1FR56	UPRIGHT	5.6	175°	1/2"	BRASS	N/A	N/A	R41425
○	51	RELIABLE	J112	EXT PEND	11.2	155°	3/4"	CHROME	SEMI-REC	CHROME	R47216
○	0	RELIABLE	J112	EXT UPRET	11.2	155°	3/4"	BRONZE	N/A	N/A	R47326
○	0	RELIABLE	F3QR56	DRY PEND	5.6	165°	1"	CHROME	SEMI-REC	CHROME	R5714
	153	TOTAL FOR SHEET									TOTAL FOR PROJECT

NO.	DATE	REVISION DESCRIPTION	BY

Carolina Fire Control
 INCORPORATED
 P O BOX 1090
 CONCORD, N.C. 28026
 PH: 704-784-4218
 FAX: 704-784-4409
 NC FIRE SPRINKLER CONTRACTOR #16603
 SC FIRE SPRINKLER CONTRACTOR: FSC1078

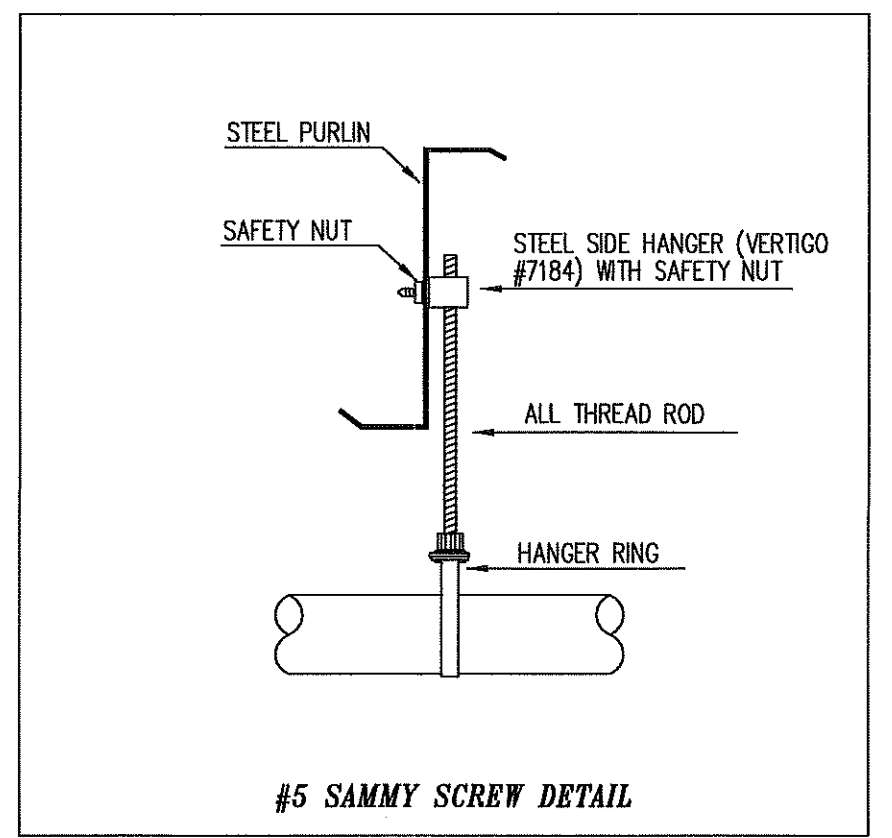
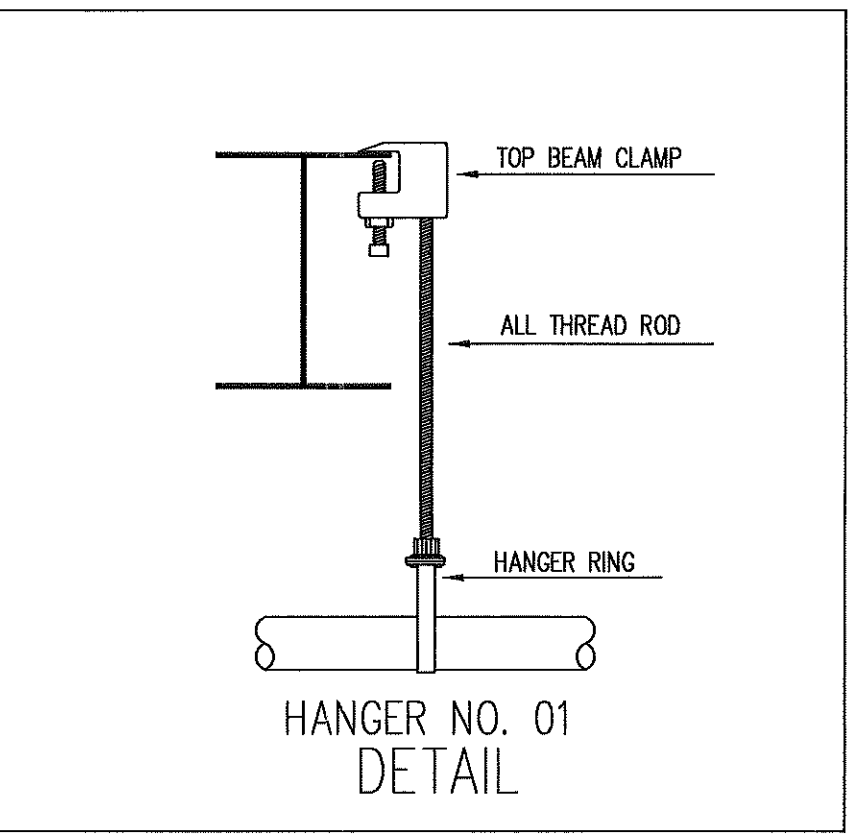
CAMPBELL UNIVERSITY
 STUDENT UNION
 MAIN STREET BUJES CREEK, NORTH CAROLINA 27506
 CONTRACT WITH: **TA LOVING**
 400 PATETOWN ROAD
 GOLDSBORO, NORTH CAROLINA 27530
 DRAWN BY: JEFF WYATT
 AHT: HARNETT COUNTY FM
 DATE: 11-19-18
 SCALE: AS NOTED
 CONTRACT NO.: **FP 6 OF FP 9**
18-2186

CALC. DATA FILE: CDD-GREAT HALL-WEASTE
 This building is protected by a hydraulically designed sprinkler system.
 Design Area No. 1
 Location: GREAT HALL-NORTH
 Number of sprinklers calculated: 12
 Basis of design:
 LIGHT HAZARD
 Density: 0.10 gpm/ft²
 Area: 1,845 Ft²
 Flow: 607.2 gpm @ 94.1 psi
 Includes 100 gpm Hose allowance

HYDRAULIC SYSTEM
 This building is protected by a hydraulically designed Automatic Sprinkler System.
 Location: GREAT HALL-NORTH
 No. of Sprinklers: 12
 Basis of Design:
 1. DENSITY: 0.10 gpm/ft²
 2. DESIRED AREA OF DISCHARGE: 1845 sq ft
 SYSTEM DEMAND:
 1. GPM DISCHARGE: 507.3 gpm
 2. RESIDUAL PRESSURE AT THE BACK OF THE RISER: 94.1 psi
 CAROLINA FIRE CONTROL, INC.
 (704) 784-4218
 TO BE HUNG AT FLOOR CONTROL ASSEMBLY

CALC. DATA FILE: CDD-KITCHEN-L2
 This building is protected by a hydraulically designed sprinkler system.
 Design Area No. 2
 Location: KITCHEN L2
 Number of sprinklers calculated: 24
 Basis of design:
 ORDINARY GROUP I HAZARD
 Density: 0.15 gpm/ft²
 Area: 1,545 Ft²
 Flow: 948.8 gpm @ 62.5 psi
 Includes 250 gpm Hose allowance

HYDRAULIC SYSTEM
 This building is protected by a hydraulically designed Automatic Sprinkler System.
 Location: KITCHEN LEVEL 2
 No. of Sprinklers: 24
 Basis of Design:
 1. DENSITY: 0.15 gpm/ft²
 2. DESIRED AREA OF DISCHARGE: 1545 sq ft
 SYSTEM DEMAND:
 1. GPM DISCHARGE: 698.8 gpm
 2. RESIDUAL PRESSURE AT THE BACK OF THE RISER: 62.5 psi
 CAROLINA FIRE CONTROL, INC.
 (704) 784-4218
 TO BE HUNG AT FLOOR CONTROL ASSEMBLY

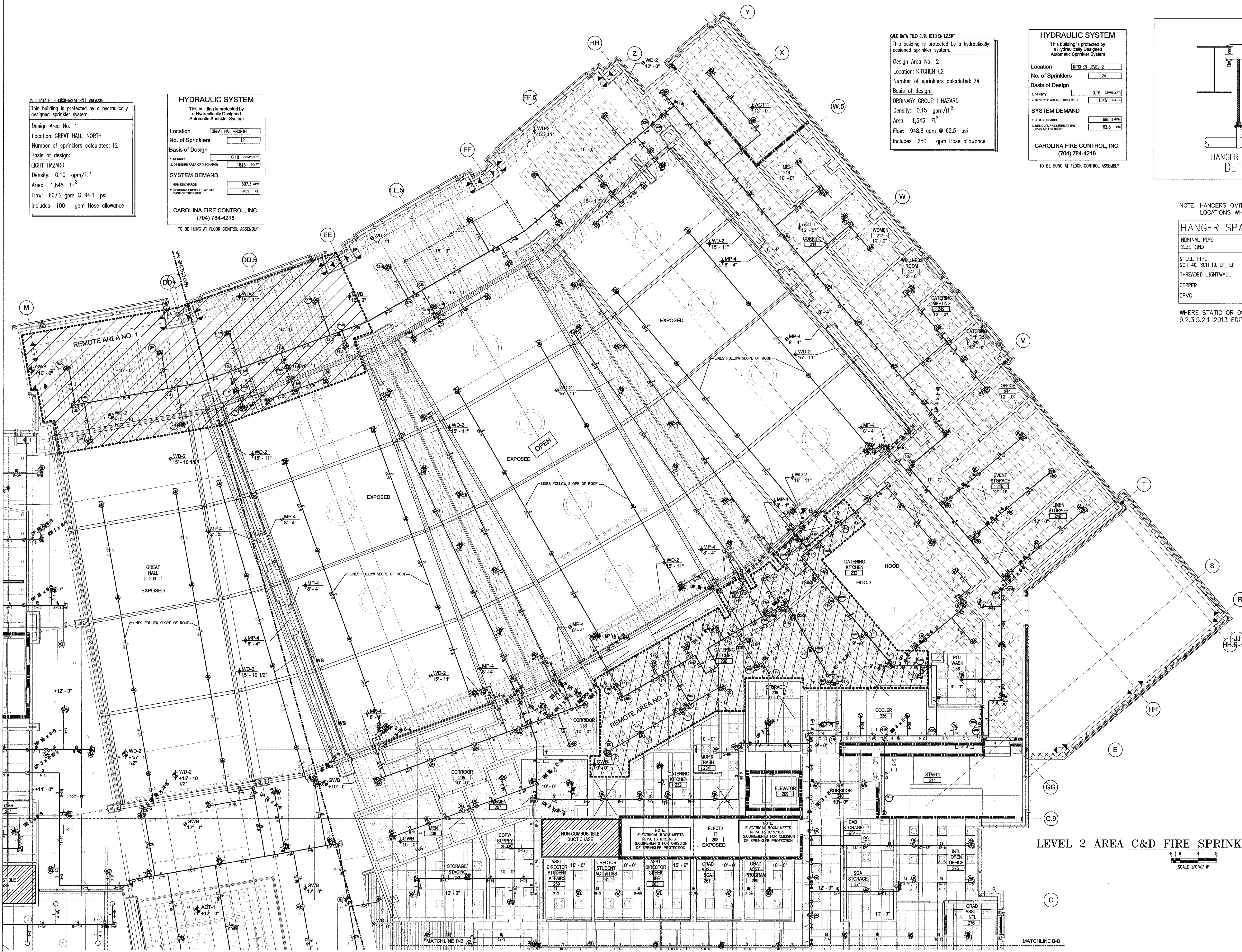
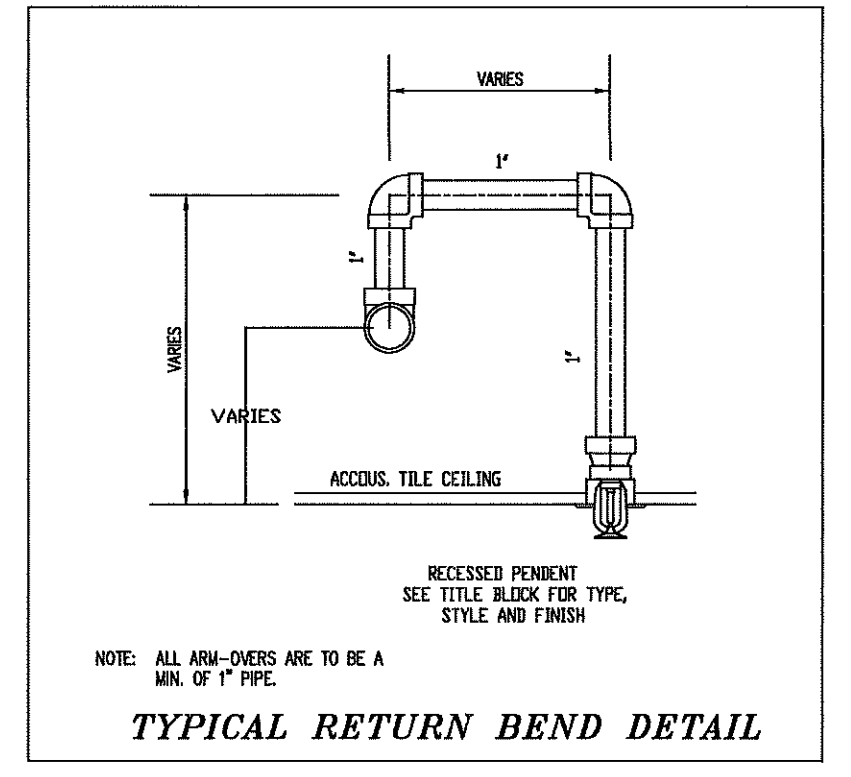


NOTE: HANGERS OMITTED FROM SUBMITTAL PLAN FOR CLARITY ONLY. FIELD SET INCLUDES HANGER LOCATIONS WHICH MEET NFPA 13 SPACING REQUIREMENTS SHOWN BELOW.

HANGER SPACING LEGEND PER NFPA 13 TABLE 9.2.2.1 2013 EDITION

NOMINAL PIPE SIZE (IN)	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
STEEL PIPE SCH 40, SCH 10, DF, EF	N/A	12'-0"	12'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"
THREADED LIGHTWALL	N/A	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	N/A	N/A	N/A	N/A
COPPER	8'-0"	8'-0"	10'-0"	12'-0"	12'-0"	12'-0"	12'-0"	15'-0"	15'-0"	15'-0"
CPVC	5'-6"	6'-0"	6'-6"	7'-0"	8'-0"	9'-0"	10'-0"	N/A	N/A	N/A

WHERE STATIC OR OPERATING PRESSURES EXCEED 100 PSI HANGERS SHALL BE PER NFPA 13 9.2.3.5.2.1 2013 EDITION



LEVEL 2 AREA C&D FIRE SPRINKLER PIPING PLAN

SCALE 1/8"=1'-0"

TOTAL HEAD COUNT

AREA	QTY.
LEVEL 1	479
LEVEL 2	367
PROJECT TOTAL	846

CAMPBELL UNIVERSITY
 NICET LEVEL III
 JEFFREY D. SOSSOMAN
 CERTIFICATION NUMBER 79554

GENERAL NOTES:
 1. THIS SYSTEM IS DESIGNED AND INSTALLED PER NFPA 13 (2013 EDITION)
 2. 2" OR SMALLER PIPING TO BE SCH. 40 BLACK STEEL PIPE AND FITTINGS ARE THREADED FITTINGS.
 3. 3" OR LARGER PIPING TO BE SCH. 10 BLACK STEEL PIPE AND FITTINGS ARE GROOVED/FLANGED.
 4. ALL HANGERS ARE TO MEET THE CRITERIA SET FORTH BY NFPA 13 (2013 EDITION) AND SPACED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 5. WIRING OF ELECTRICAL EQUIPMENT IS TO BE BY OTHERS.
 6. X-O REPRESENTS A HYDRAULIC REFERENCE POINT.
 7. CAROLINA FIRE CONTROL TO START 1'-0" ABOVE FINISHED FLOOR.
 8. ALL UNDERGROUND PIPING TO BE BY OTHERS.
 9. SPRINKLERS LOCATED 7'-0" OR LESS FROM FLOOR TO BE PROTECTED WITH APPROVED GUARDS.

**NFPA 13(2013 ED.)
 NFPA 14(2013 ED.)
 NFPA 20(2013 ED.)**

WATER SUPPLY INFORMATION

STATIC PRESSURE	56	FIRE PUMP	YES
RESIDUAL PRESSURE	38	SIZE GPM @ PSI	500@75
FLOW @ P.M.	920	TYPE OF DRIVER	ELEC.
DATE OF TEST	10-10-18	ELECTRICAL REQS.	480V
HYDRANT LOCATION	CAMPBELL PARKING LOT ALONG TOLLANER RD		
TEST TAKEN BY	BUYES CREEK FIRE DEPARTMENT		

DESIGN CRITERIA

REMOTE AREA NUMBER	NO. 1	NO. 2
COVERED PER HEAD	400 SF	100 SF
DENSITY	0.10 GPM	0.15 GPM
AREA OF APPLICATION	1845 SF	1545 SF
PSI @ (800)	94.1	62.5
GPM @ (800)	507.3	698.8
NO. OF HEADS IN DESIGN AREA	12	24
ELEV. BRIGHTEST HEAD	230'-0"	223'-0"
HOSE ALLOWANCE	100 GPM	250 GPM
SAFETY	23.7%	27.4%

SYMBOL QUANTITY MAKE MODEL STYLE K-FAC TEMP THREAD SIZE SPRINKLER FRESH TYPE OF ESCUTCHION SPRINKLER IDENT. NO.(S.I.N.)

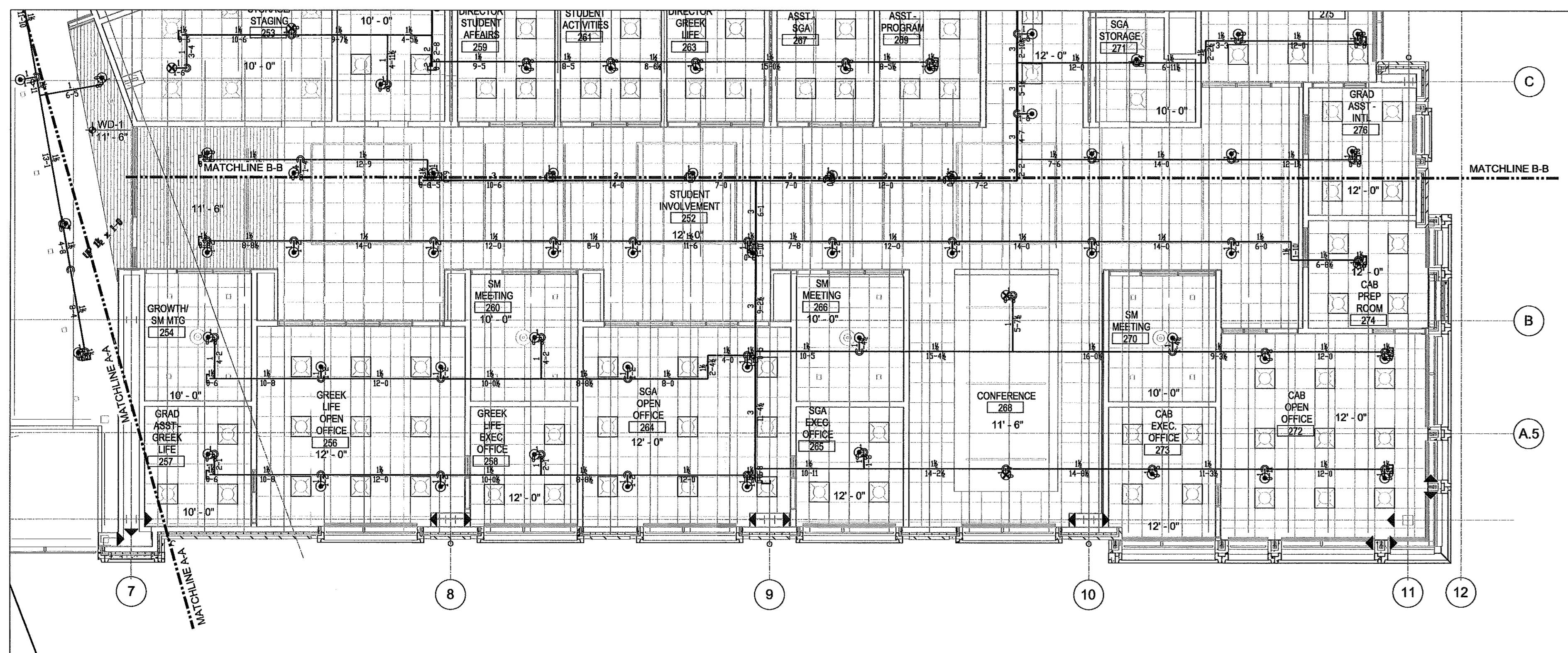
107	RELIABLE	F1FR56	PENDENT	5.6	175°	1/2"	CHROME	SEMI-REC	CHROME	RA1414
0	RELIABLE	F1FR56	UPRIGHT	5.6	175°	1/2"	BRASS	N/A	N/A	RA1425
53	RELIABLE	J112	EXT PEND	11.2	155°	3/4"	CHROME	SEMI-REC	CHROME	RA7216
18	RELIABLE	J112	EXT UPRIT	11.2	155°	3/4"	BRONZE	N/A	N/A	RA7326
3	RELIABLE	F3CR56	DRY PEND	5.6	165°	1"	CHROME	SEMI-REC	CHROME	R5714
0										
0										
0										
181	TOTAL FOR SHEET									TOTAL FOR PROJECT

NO.	DATE	REVISION DESCRIPTION	BY
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

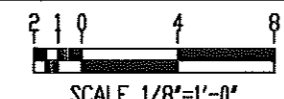
CAMPBELL UNIVERSITY
 STUDENT UNION
 MAIN STREET BUYES CREEK NORTH CAROLINA 27506
 CONTRACT WITH: TA LOVING
 400 PATETOWN ROAD
 GOLDSBORO NORTH CAROLINA 27530
 DRAWN BY: JEFF WYATT AHS: HARNETT COUNTY FM
 DATE: 11-19-18
 SCALE: AS NOTED
 CONTRACT NO.: 18-2186

Carolina Fire Control
 INCORPORATED
 P O BOX 1090 CONCORD, N.C. 28026
 PH: 704-784-4218 FAX: 704-784-4405
 NC FIRE SPRINKLER CONTRACTOR #16603
 SC FIRE SPRINKLER CONTRACTOR: FSC1078

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LEVEL 2 AREA C&D FIRE SPRINKLER PIPING CON'T



TOTAL HEAD COUNT	
AREA	QTY.
LEVEL 1	479
LEVEL 2	367
PROJECT TOTAL	846



NICET LEVEL III
JEFFREY D. SOSSOMAN
CERTIFICATION NUMBER
79554

GENERAL NOTES:
 1.) THIS SYSTEM IS DESIGNED AND INSTALLED PER NFPA 13 (2013 EDITION)
 2.) 2" OR SMALLER PIPING TO BE SCH. 40 BLACK STEEL PIPE AND FITTINGS ARE THREADED FITTINGS.
 3.) 2-1/2" OR LARGER PIPING TO BE SCH. 10 BLACK STEEL PIPE AND FITTINGS ARE GROOVED/FLANGED.
 4.) ALL HANGERS ARE TO MEET THE CRITERIA SET FORTH BY NFPA 13 (2013 EDITION) AND SPACED ACCORDING TO MANUFACTURER SPECIFICATIONS.
 5.) WIRING OF ELECTRICAL EQUIPMENT IS TO BE BY OTHERS.
 6.) X-O REPRESENTS A HYDRAULIC REFERENCE POINT.
 7.) CAROLINA FIRE CONTROL TO START 1'-0" ABOVE FINISHED FLOOR.
 8.) ALL UNDERGROUND PIPING BY OTHERS.
 9.) SPRINKLERS LOCATED 7'-6" OR LESS FROM FLOOR TO BE PROTECTED WITH APPROVED GUARDS.

NFPA 13(2013 ED.)
 NFPA 14(2013 ED.)
 NFPA 20(2013 ED.)



WATER SUPPLY INFORMATION			
STATIC PRESSURE	56	FIRE PUMP	YES
RESIDUAL PRESSURE	38	SIZE 6PW @ PSI	500/875
FLOW G.P.M.	920	TYPE OF DRIVER	ELEC.
DATE OF TEST	10-10-18	ELECTRICAL REQS.	480V
HYDRANT LOCATION	CAMPBELL PARKING LOT ALONG T/LANDER RD		
TEST TAKEN BY	BUJES CREEK FIRE DEPARTMENT		
NOTES			

DESIGN CRITERIA			
REMOTE AREA NUMBER			
COVERAGES PER HEAD			
DENSITY			
AREA OF APPLICATION			
PSI @ (SQD)			
NO. OF HEADS IN DESIGN AREA			
ELEV. @ HIGHEST HEAD			
INSIDE HISE			
OUTSIDE HISE			
SAFETY			

SPRINKLER HEAD LEGEND											
SYMBOL	QUANTITY	MAKE	MODEL	STYLE	K-FACTOR	TEMP.	THREAD SIZE	SPRINKLER FINISH	TYPE OF ESCUTCHEON	SPRINKLER IDENT. NO.(S.I.N.)	
⊙	31	RELIABLE	F1FR56	PENDENT	5.6	175°	3/2"	CHROME	SEMI-REC	CHROME	RA1414
○	0	RELIABLE	F1FR56	UPRIGHT	5.6	175°	3/2"	BRASS	N/A	N/A	RA1425
⊗	2	RELIABLE	J112	EXT UPRT	11.2	155°	3/4"	CHROME	SEMI-REC	CHROME	RA7216
⊕	0	RELIABLE	J112	EXT UPRT	11.2	155°	3/4"	BRONZE	N/A	N/A	RA7326
⊖	0	RELIABLE	F3QR56	DRY PEND	5.6	165°	1"	CHROME	SEMI-REC	CHROME	R5714
	0										
	0										
	0										
	33	TOTAL FOR SHEET								TOTAL FOR PROJECT	

NO.	DATE	REVISION DESCRIPTION	BY
△			
△			
△			
△			
△			

Carolina Fire Control
INCORPORATED

P.O. BOX 1090
CONCORD, N.C. 28026
PH: 704-784-4218
FAX: 704-784-4405

NC FIRE SPRINKLER CONTRACTOR #16603
SC FIRE SPRINKLER CONTRACTOR: FSC.1078

CAMPBELL UNIVERSITY
STUDENT UNION
MAIN STREET BUJES CREEK, NORTH CAROLINA 27506

CONTRACT WITH: **TA LOVING**
400 PATETOWN ROAD
GOLDSBORO, NORTH CAROLINA 27530

DRAWN BY: JEFF WYATT
DATE: 11-19-18
SCALE: AS NOTED
CONTRACT NO.: 18-2186

AHJ: HARNETT COUNTY FM

FP 8 OF FP 9

