

Addendum No. 1

Issued: February 23, 2021

Project: Cranbury Public Library

No. of pages: 11

To all Bidders:

In accordance with Instructions to Bidders, Bid Forms, etc., the following modifications, deletions, and additions to the Drawings and Specifications shall become a part of the Contract Documents superseding previously issued documents to the extent modified by this Addendum.

Acknowledge receipt of all Addendum in the space provided on the Bid Forms.

- Item #1: **General** – There is no pre-bid walkthrough. Disregard the note in Specification Section 16000 or any other location which indicates a requirement to attend a pre-bid meeting.
- Item #2: **General** – Include a 4'-0" x 8'-0" project sign and all associated materials and labor required to install on site. The sign shall include renderings of the proposed building, information of all parties involved in the project, and the estimated completion date. Final layout to be coordinated with the Library. Rendering files to be provided by A+I.
- Item #3: **Bid Form** – The unit prices in the Bid Form have been updated. Remove Bid Form and replace with attached revised **Bid Form**.
- Item #4: **Drawing A.601 Finish Plan** – Carpet C-1 to be Atlas Carpet Mills Inc., Amplify Carpet Tile or approved equal. Color to be selected from full range.

Item #5: ***Drawing E.101 Electrical Lighting Schedules and Details, Lighting Fixture Schedule*** – Replace text listed in the Manufacturer and Catalog Number columns for the following Symbols:

A: Focal Point, FEQ2-22-MG-3000L-35K-1C-UNV-LD1-T2-WH

AEM: Focal Point, FEQ2-22-MG-3000L-35K-1C-UNV-LD1-T2-EM-WH

B: Focal Point, FNVL-22-AX3-2500L-35K-1C-UNV-LD1-T2-WH

BEM: Focal Point, FNVL-22-AX3-2500L-35K-1C-UNV-LD1-T2-EM-WH

C: Elite LED Lighting, 22-OVHP-LED-3400L-DIM10-MVOLT-35K-85-22FK

D: Focal Point, FLC44D-SO-SW-1500L-UNV-LD1-T-BH-LC44-SDO-15L-35K-DN-WFL-CD-WP

DEM: Focal Point, FLC44D-SO-SW-1500L-UNV-LD1-T-BH-EM-LC44EM-SDO-15L-35K-DN-WFL-CD-WP

E: Inter-Lux, CP10W-35K-H-UF-V

EM1: Life Safety Lighting, LSLED RX5HL-WT

EX1: Focal Point, FLC4D-RO-1500L-UNV-LD1-T-LC4-RO-15L-35K-DN-WFL-CD-WP

EX2: Visa Lighting, OW2480-L35K-H-MVOLT-FT-GSIL-DS-REM/BATT

F: Focal Point, FSM2L-FL-625LF-35K-1C-UNV-LD1-XF2-WH-6FT

G: Focal Point, FSDL-44-FLXP-7000L-35K-1C-UNV-LD1-U-WH

H: Focal Point, FSM2L-FL-125LF-35K-1C-UNV-LD1-XF2-WH-2FT

K: WAC Lighting, PD-70913-BN

L: Fluxwerx, VU1-S-A-D-35-A-08-G-F2-M-12

LEM: Fluxwerx, VU1-S-A-D-35-A-08-G-F2-M-12-BP

L1: Fluxwerx, VU1-S-A-D-35-A-06-G-F2-M-12

M: Focal Point, FSM2L-FL-625LF-35K-1C-UNV-LD1-T2-WH-00

U: Elite LED Lighting, 4-OC1-LED-4000L-DIM10-MVOLT-35K-85

X1: Life Safety Lighting, LSLEDEXC-U2-R-W-SDT

X3: Concealite, F500-LED3-90-SD-FMS

Item #6: ***Drawing E.100 Electrical Lighting Schedules and Details*** – The (4) Type L light fixtures shown in Adults 112 at the end of the runs are to be changed to (4) Type L1 fixtures.

- Item #7: ***Drawing E.100 Electrical Lighting Schedules and Details*** – In Meeting Room 120 provide (3) Type A 2x2 light fixtures and (6) Type D downlights. Eliminate (2) exit signs. Wire to unswitched circuit. Provide (2) zone lighting controls with room controller, switches, and sensors.
- Item #8: ***Drawing E.100 Electrical Lighting Schedules and Details*** – Eliminate the (2) remote battery back-ups shown in Women's 121.
- Item #9: ***Drawing FP.100 Archives Storage Room Dry Chemical Suppression Plan and Details*** – The specified system and design is intended for installation in History 110. Revise Drawing Name from “*Archives Storage Room Dry Chemical Suppression Plan and Details*” to “*History 110 Dry Chemical Suppression Plan and Details*”. Replace Clean Agent Fire Suppression System Scope of Work Note #1 with “*1. Design, Furnish and install a complete operational FM200 fire suppression system for History 110 along with but not limited to the following:*” Refer to attached revised *Drawing FP.100 Archives Storage Room Dry Chemical Suppression Plan and Details*.

Clarifications

Item #10: Q: On the Bid Form Line item #29 is for Light Fixtures (QTY. 3). Please specify what light fixtures this is supposed to be unit pricing for.

A: It is for the 3 pole mounted light fixtures designated as 'A' on the site plans. See Sheet 6 for locations and Sheet 7 for detail.

Item #11: Q: On the Landscape & Lighting Details sheet 7 of 11 Pole Mounted Light Fixture Detail, a note states that, “Footing shown is schematic only. Shop drawings and calculations for the design and sizing of the concrete footing, prepared by a professional engineer, shall be provided by the contractor for approval prior to construction.” Please verify that this statement is accurate and that the contractor needs to carry the engineering cost for the footing design for the light poles.

A: Correct

Item #12: Q: Please verify if there is also going to be an engineering design requirement for the footings for the bollard lights, as there is no footing detail for the bollard lights shown on the plans.

A: Correct

Item #13: Q: If quantities provided on the bid form unit costs are less than what is required to complete the project will the contractor be provided a change order for the additional work?

A: For quantities installed that exceed the quantities on the bid form, the unit price bid will apply. The same should apply for quantities installed less than the quantity on the bid form.

Item #14: Q: Based on our measurements Items 1 through 3 are less than what is shown on the site plans, please confirm this work will be performed as extra scope.

A: Quantities for Items 1 through 3 were verified as follows and have been adjusted on the Addendum:

- 1) Concrete sidewalk (4") – 212 SY
Stamped Concrete – 176 SY
Concrete pads for AC & Generator units – 30 SY (Included in base bid.
Refer to Mechanical/Electrical Drawings)*
- 2) Bituminous Sidewalk – 90 SY*
- 3) Bituminous Pavement – 1,214 SY*

Item #15: Q: Please confirm that light fixtures exclude conduit and wire. If not, please clarify how we are to include in our unit cost for each light fixture if the length of conduit and wire runs are different for each light fixture.

A: Unit cost for light fixtures does not include conduit and wire. Include electrical in base bid.

Item #16: Q: Are the trees, shrubs and ground cover unit pricing to include planting mix/mulch material?

A: Yes, the unit prices for the trees, shrubs and ground cover should include planting mix and mulch material.

Item #17: Q: Please confirm that pipe unit pricing is to include trenching, backfilling, and stone.

A: Yes, the unit prices for pipe should include trenching, backfill, and stone.

Item #18: Q: Does Unit Price #1 Concrete Sidewalk include the stamped concrete patio?

A: No, the quantity for concrete sidewalk did not include the stamped concrete. A new line item, 47, has been added for stamped concrete.

Item #19: Q: In regards to A.401, there is no indication where wall tile is required in Room #108 Staff. Is it on all walls full height or partial height with paint above?

A: Wall tile locations for Staff 108 are shown on 8/A401 Lavatory Elevations

Item #20: Q: In the specification, section 16000, 2.15 - Standby Power Systems Generator Set, there are no listed manufacturers. Is this an open spec for the Gen Set?

A: Correct. Product information to be submitted for Engineer review and approval prior to order and purchasing.

Item #21: Q: Please verify that type "MC" Cable can be installed as long as it is installed in accordance with the National Electrical Code.

A: MC Shall be installed where run concealed. All exposed wiring raceways shall be EMT. Any special consideration will be reviewed by Architect and engineer on a case by case basis.

Item #22: Q: Please verify that as per sheet FA.200 the fire alarm shop drawings and load calculation are required to be signed and sealed by a PE.

A: Correct

Item #23: Q: Please verify that the communication cabling for this project is not to be included and that it will be installed by others.

A: Provide empty conduit and pull string at Tele/data locations as noted on Electrical Legend. Cabling will be installed separately by Owner.

Item #24: Pro-press fittings are acceptable for domestic water piping. There is no hydronic piping in the scope of the project.

Item #25: Alternate products may be submitted for consideration. Follow the procedures listed in the Specifications.

Item #26: Glass types are as follows:

GL-1: 1" insulated glass described in the Window System Description on Drawing A.511

GL-2: 1" insulated glass where noted in storefront systems. Product information is described on Drawing A.521

GL-3: Where noted in storefront systems. GL-3 described as 3/8" fully tempered safety glass on Drawing A.511.

Frosted glass: Where noted at the base of storefront sections. Frosted glass is to be 3/8" fully tempered safety glass.

Item #27: Q: On sheet E.100 in Adults Room 112 a symbol is shown for EX3. There is no corresponding symbol or fixture designation for EX3 in the lighting plan. Please clarify what this symbol represents and update the lighting fixture schedule accordingly.

A: Yes, there are (2) type EX3 lighting fixtures located on opposite walls. Wire these together than to nearest unswitched circuit. Refer to the revised light fixture model numbers.

END OF ADDENDUM

Bid Form – ADDENDUM #1

A. PROJECT TITLE: **Cranbury Public Library**

B. BID TO: **Cranbury Public Library**
23 North Main Street
Cranbury, NJ 08512

C. PROPOSAL:

Authorized Name & Title: _____

Firm Name: _____

Federal Tax ID #: _____

Address: _____

Telephone/Fax: _____/Fax _____

Email Address: _____

Pursuant to the Project Manual relating to the “**Cranbury Public Library**” project, and in compliance with the Bid Documents, the undersigned Bidder, having become thoroughly familiar with the terms and conditions of the Bid and Contract Documents, which include the Instructions to Bidders, the Bid Forms, the Project Manual, all as prepared by Arcari & Iovino Architects, P.C., as well as the Addenda acknowledged below, having understood the local conditions affecting performance and cost of the Work at this site, hereby proposes and agrees to fully perform the Work in strict accordance with the Contract Documents.

To wit, all labor, materials, services and equipment, including tools, machinery and supplies, permit fees, if any, and all taxes, if any, and specified insurance necessary to perform and complete the entire Work as set forth in and in accordance with the said Documents, for the sum of:

UNIT COSTS: Refer to Specifications as well as all Drawings for full descriptions of work related herein.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Extended Price</u>
1	Concrete Sidewalk (4”)	SY	212	_____	_____
2	Bituminous Sidewalk	SY	90	_____	_____
3	Bituminous Pavement	SY	1214	_____	_____
4	Fire Truck Access Drive	SY	578	_____	_____
5	Curbing	LF	255	_____	_____
6	Curb Stop	UNITS	10	_____	_____
7	‘B’ Inlet	UNIT	1	_____	_____
8	‘E’ Inlet	UNIT	1	_____	_____
9	4’ Manhole	UNIT	1	_____	_____

10	5' Manhole	UNIT	1		
11	FES (18")	UNIT	1		
12	4' x 4' OCS	UNIT	1		
13	12" RCP	LF	243		
14	15" CL V RCP	LF	64		
15	18" CL V RCP	LF	131		
16	18" RCP	LF	64		
17	8" HDPE	LF	468		
18	4" Storm C/O	UNITS	2		
19	8" Storm C/O	UNITS	15		
20	4" SAN.PVC	LF	18		
21	6" SAN.PVC	LF	321		
22	6"SAN.C/O	UNIT	5		
23	SAN. Doghouse MH	UNIT	1		
24	Water Meter	UNIT	1		
25	1 ½" HDPE Water Service	LF	91		
26	Gas Connection	LS	1		
27	Electric/Tele/Cable Connection	LF	115		
28	Light Bollards	UNIT	4		
29	Light Fixtures	UNITS	3		
30	Soil Erosion and Sediment Control	LS	1		
31	Ornamental Trees and Evergreens – 4'-5'	UNITS	2		
32	Ornamental Trees and Evergreens – 5'-6'	UNITS	7		
33	Shrubs – 24"; 3 gal.	UNITS	101		
34	Shrubs – 30" – 42"; 5 gal.	UNITS	36		
35	Shrubs – 4'-5'; B&B	UNITS	1		
36	Groundcover – 8"-12"; 1 gal.	UNITS	169		
37	Perennials – 8"-12"; 1 gal.	UNITS	140		
38	Perennials – 12"-15"; 1 gal.	UNITS	23		
39	Shade Trees – 3"-3 ½"	UNITS	3		
40	Evergreens – 5'-6'	UNITS	17		
41	Trees – Dappled Willow – 3'-4'	UNITS	3		
42	Trees – Sweetbay Magnolia – 4'-5'	UNITS	3		
43	Trees – Clump River Birch – 5'-6'	UNITS	2		
44	Groundcover – 1 Quart Container	UNITS	4860		
45	Shrubs – 12"-15"; 2 gal.	UNITS	138		
46	Shrubs – 15"-18"; 2 gal.	UNITS	16		
47	Stamped Concrete	SY	176		

SUBTOTAL OF UNIT COSTS:

48 All other work not listed above that is described
in the Drawings & Specifications _____

TOTAL BASE BID (SUM OF ITEMS #1 – 38) _____

(Written) Dollars

D. ALTERNATES: Refer to Specification Section 012300-Alternates, as well as Drawings, for full descriptions of Alternate work related herein:

ALTERNATE No. 1: (Circulation Desk): Provide and install the millwork as shown on the Contract Drawings. Include all blocking, fasteners, etc. required for installation.

Add the sum of: _____ Dollars(\$ _____)
(Written) (Figure)

ALTERNATE No. 2: (Circulation Storage Cabinets): Provide and install the millwork as shown on the Contract Drawings. Include all blocking, fasteners, etc. required for installation.

Add the sum of: _____ Dollars(\$ _____)
(Written) (Figure)

ALTERNATE No. 3: (Reference): Provide and install the millwork as shown on the Contract Drawings. Include all blocking, fasteners, etc. required for installation.

Add the sum of: _____ Dollars(\$ _____)
(Written) (Figure)

ALTERNATE No. 4: (Building Signage): Provide and install the building signage as shown on the Contract Drawings. Include all blocking, fasteners, etc. required for installation.

Add the sum of: _____ Dollars(\$ _____)
(Written) (Figure)

E. ADDENDA: Receipt of the following Addenda acknowledged:

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

F. ATTACHMENTS: Enclosed within the Project Manual are the following attachments to this Bid Form. These attachments are to be executed fully and submitted with this Bid Form:

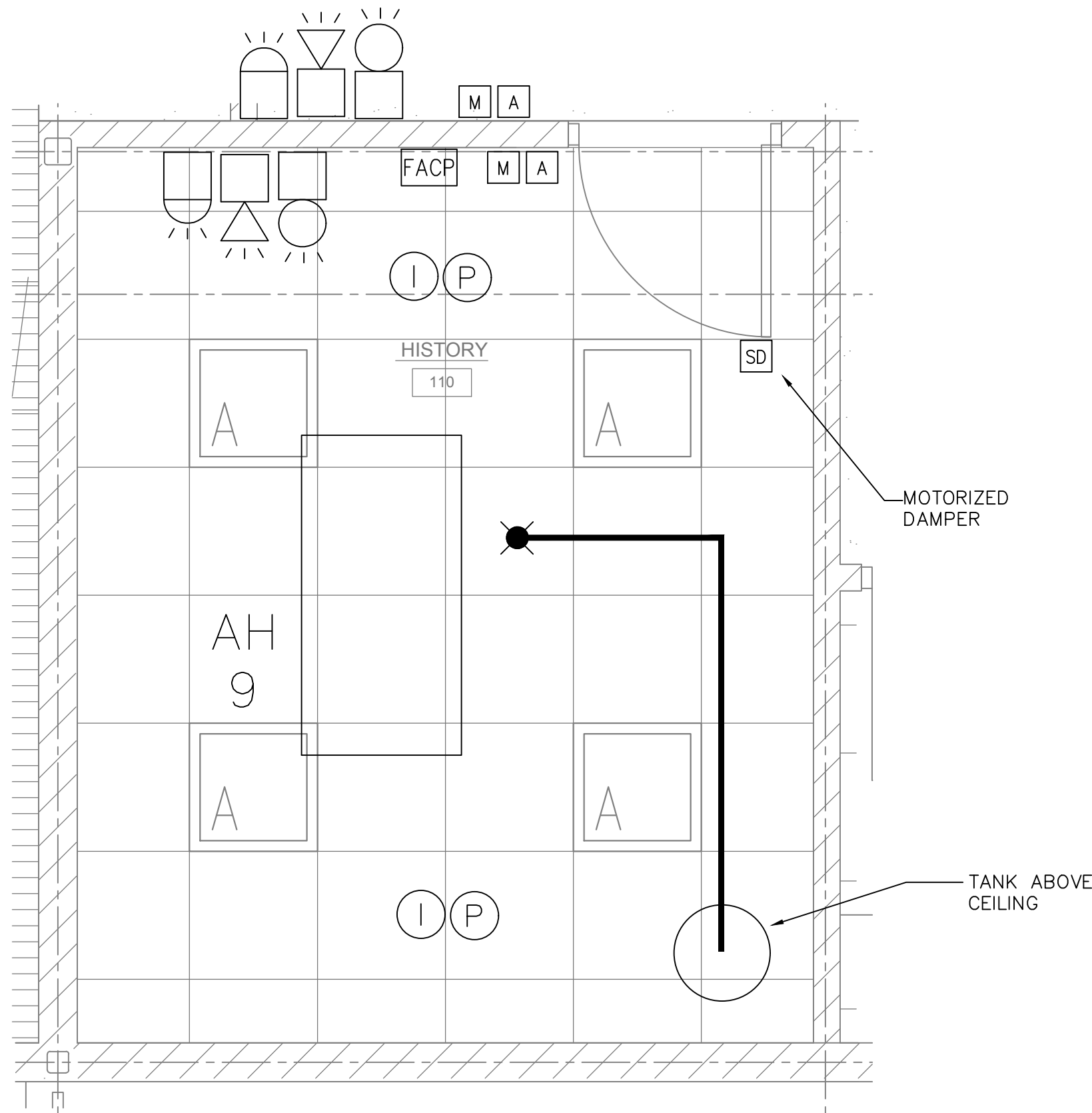
- a. Bid Form
- b. Acknowledgement of Receipt of Addenda
- c. Bid Security Form
- d. Consent of Surety
- e. Bidder's Qualification Form
- f. Plan and Equipment Questionnaire
- g. List of Subcontractors
- h. Non-Collusion Affidavit

- ## G. EXECUTION:

The undersigned hereby declares that only the person or persons interested in the Proposal as principal or principals, is or are named below, and that no other person than herein below named has any interest in the Proposal. The Proposal is made without any connection with any other person or persons making a proposal for the same purpose. The Proposal is in all respects fair and without collusion or fraud and that no officer of the **Cranbury Public Library** is, shall be, or will become directly or indirectly, interested as a contracting party, partner, stockholder, surety or otherwise in the performance of the contract, or in the supplies, work, or business to which it relates.

Accompanying this Proposal is a Consent of Surety and a certified check, cashier's check, or bid bond for a minimum of ten (10%) percent of the amount of bid but not greater than \$20,000 payable to the Owner, which is agreed by the undersigned to be forfeited as liquidated damages, and not as a penalty, if the Contract is awarded to the undersigned, and the undersigned shall fail to execute the Contract for the work within the stipulated time, otherwise, the bid security shall be returned to the undersigned as specified in the Contract Documents.

(Corporate Seal)



1 History Room Part Plan
1/2" = 1'-0"

FM-200 SEQUENCE OF OPERATION

- THE ACTIVATION OF ANY ONE SMOKE DETECTOR SHALL :
 - ACTIVATE THE ALARM BELL/STROBES.
 - CAUSE THE FIRE ALARM CONTROL PANEL TO PROVIDE A COMMON AUDIBLE SIGNAL AND AN ALPHA-NUMERIC IDENTIFICATION OF THE INDIVIDUAL ARMED DEVICE AND ITS LOCATION.
 - LIGHT THE L.E.D. INDICATOR ON THE ARMED DETECTOR.
 - TRANSFER CONTACTS FOR SIGNALING THE BLDG. FIRE ALARM SYSTEM.
- THE ACTIVATION OF A SECOND SMOKE DETECTOR SHALL :
 - ACTIVATE THE SECOND ALARM HORN/STROBES.
 - CAUSE THE FIRE ALARM CONTROL PANEL TO PROVIDE A COMMON AUDIBLE SIGNAL AND AN ALPHA-NUMERIC IDENTIFICATION OF THE INDIVIDUAL ARMED DEVICE AND ITS LOCATION.
 - LIGHT THE L.E.D. INDICATOR ON THE ARMED DETECTOR.
 - INITIATE THE 30 SECOND EVACUATION TIMER.
- FM-200 WILL AUTOMATICALLY RELEASE UPON EXPIRATION OF DISCHARGE TIME DELAY, UNLESS AN ABORT STATION IS OPERATED. THE DISCHARGE STROBES WILL ACTIVATE AND CONTACTS WILL TRANSFER FOR SHUTDOWNS.
- THE OPERATION OF A MANUAL RELEASE STATION SHALL:
 - ACTIVATE THE HORN/STROBES AND DISCHARGE STROBES.
 - CAUSE THE FIRE ALARM CONTROL PANEL TO PROVIDE A COMMON AUDIBLE SIGNAL AND AN ALPHA-NUMERIC IDENTIFICATION OF THE INDIVIDUAL ACTIVATED DEVICE AND ITS LOCATION.
 - TRANSFER CONTACTS FOR SIGNALING THE BLDG. FIRE ALARM SYSTEM.
 - TRANSFER CONTACTS FOR COMPUTER ROOM SHUTDOWN FUNCTIONS.
 - IMMEDIATELY RELEASE FM-200.
- OPERATION OF AN ABORT STATION DURING THE DISCHARGE TIME DELAY PERIOD WILL ALLOW MANUAL DELAY OF THE FM-200 RELEASE, RECYCLE 30 SEC EVACUATION TIMER TO 0.
- ANY SYSTEM TROUBLE CONDITION SHALL:
 - CAUSE THE ALARM CONTROL PANEL TO PROVIDE AN AUDIBLE TROUBLE SIGNAL AND AN ALPHA-NUMERIC IDENTIFICATION OF THE INDIVIDUAL DEVICE IN TROUBLE AND ITS LOCATION.
 - TRANSFER CONTACTS FOR SIGNALING THE BLDG. FIRE ALARM SYSTEM.

ELECTRICAL INSTALLATION SPECIFICATIONS

- ALL WIRING SHALL BE IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE, AUTHORITIES HAVING JURISDICTION, LOCAL CODES, ELECTRICAL SPECIFICATIONS AND CONTRACT DOCUMENTS.
- WIRE SIZES SHALL BE AS FOLLOWS :

RELEASE CIRCUIT AND 24VDC POWER	-----PER N.E.C.
BELL/STROBE, HORN/STROBE AND STROBE	-----#16 AWG MIN.
DETECTOR CKT, MANUAL STATION, ABORT	-----#18 AWG MIN.
- ALL WIRING SHALL BE INSTALLED IN E.M.T. FLEXIBLE METALLIC RACEWAY MAY BE USED FOR LAST 3' BEFORE TERMINATION TO DEVICE.
- DETECTOR, MANUAL STATION, ABORT AND SUPERVISORY DEVICE WIRING CAN BE INSTALLED IN THE SAME RACEWAY BUT MUST BE INSTALLED IN A SEPARATE RACEWAY FROM ALL INDICATING DEVICES (BELL-HORN-STROBE) AND FROM 120 VAC CIRCUITS.
- DETECTOR LOCATIONS MAY VARY A FEW FEET TO AVOID ANY LIGHT FIXTURES OR OBSTRUCTIONS. DO NOT INSTALL A DETECTOR WITHIN 3' OF A SUPPLY REGISTER. REVIEW REFLECTED CEILING PLANS.
- ALL CONDUCTORS ARE TO BE PROPERLY TAGGED OR NUMBERED IN THE CONTROL PANEL AND CORRESPOND WITH CONTROL PANEL TERMINAL OR FIELD WIRE NUMBERS FOR IDENTIFICATION PURPOSES.
- WIRING CIRCUITS OTHER THAN SLC LOOP MUST GO TO AND FROM EACH DEVICE. BRANCH CIRCUITS ARE NOT PERMITTED. POLARITY MUST BE OBSERVED THROUGHOUT.
- THE SLC LOOP MAY BE WIRED WITH BRANCH CIRCUITS. POLARITY MUST BE OBSERVED THROUGHOUT. DRAIN WIRE CONTINUITY MUST BE MAINTAINED THROUGHOUT.
- EXTREME CARE MUST BE TAKEN TO AVOID GROUND FAULT CONDITIONS OF ALL CONDUCTORS.
- POWER TO CONTROL PANEL AND CONNECTION OF BATTERIES TO CONTROL PANEL TO BE MADE UNDER SUPERVISION OF UNITED FIRE PROTECTION FIELD TECHNICAL REPRESENTATIVE. DAMAGE TO CONTROL PANEL COULD OTHERWISE RESULT.
- ALL DEVICES ARE TO BE FLUSH MOUNTED WHEREVER POSSIBLE. MOUNT MANUAL RELEASE STATION 48" ABOVE FINISHED FLOOR.
- ELECTRICAL INSTALLER MUST PLACE DUST COVERS ON ALL DETECTORS. DUST COVERS SHALL BE REMOVED ONLY BY UNITED FIRE TECHNICAL PERSONNEL AT THE TIME OF THE FINAL CHECK-OUT.

SYMBOL LIST

NO	SYMBL	QTY	DESCRIPTION	PART NO.
1	[FACP]	1	CONTROL PANEL	NOTIFIER AFP-200
2	[M]	2	MANUAL RELEASE STATION	NOTIFIER BGX-101L
3	[A]	2	ABORT STATION	FENWAL 87875201
4	[I]	2	ION SMOKE DET	NOTIFIER CPX-551 W/BX501
5	[P]	2	PHOTO SMOKE DET	NOTIFIER SDX-551 W/BX501
6	[C]	2	ALARM BELL/STROBE	WHEELLOCK MB-G10-24-R WITH RSSP-241575W-FR
7	[H]	2	HORN/STROBE	WHEELLOCK NS-241575W-FR
8	[D]	2	DISCHARGE STROBE	WHEELLOCK RS-2415W-FR
9	[C]	1	FM-200 STORAGE CONTAINER	FENWAL SEE ABOVE
10	[N]	1	FM-200 NOZZLE-CEILING	FENWAL SEE NOZ LEGEND
13	[P]		FM-200 PIPING	SEE PIPING PLAN

FM-200 SPECIFICATIONS

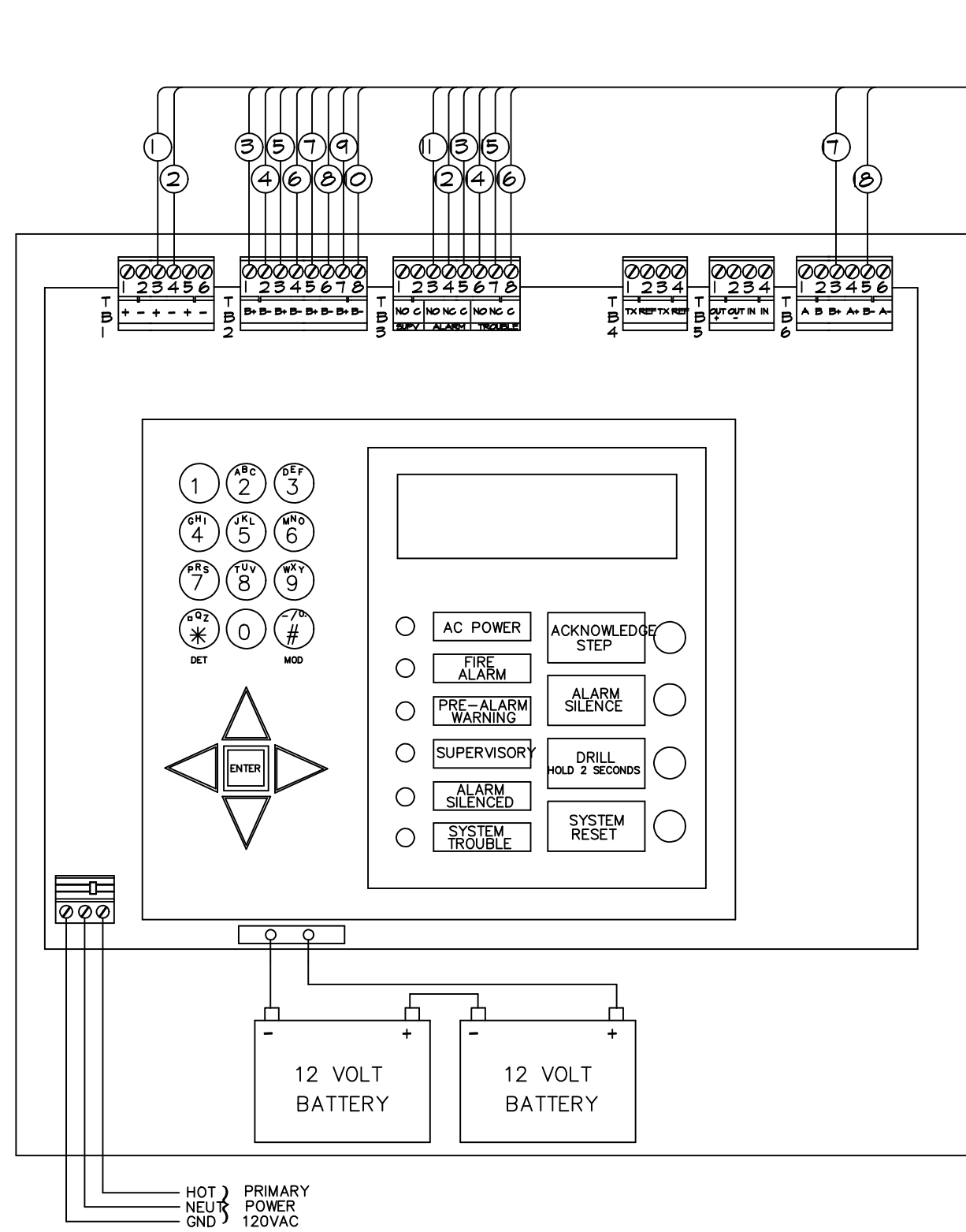
- FURNISH, INSTALL AND TEST A FENWAL TOTAL FLOOD FM-200 FIRE SUPPRESSION SYSTEM
- CYLINDER VALVE SHALL UTILIZE SOLENOID OPERATED PRESSURE DIFFERENTIAL CONTROL HEAD, SYSTEMS WHICH REQUIRE REPLACEMENT PARTS OTHER THAN EXTINGUISHING AGENT WHEN DISCHARGED SHALL NOT BE USED.
- EQUIPMENT AND CYLINDERS TO BE EQUIPPED WITH LIQUID LEVEL INDICATORS AND PRESSURE SUPERVISORY SWITCHES TO PROVIDE AUDIO/VISUAL SUPERVISORY CONDITION AT THE CONTROL PANEL IN THE EVENT OF LOW CYLINDER PRESSURE.
- DETECTION AND CONTROL SUBSYSTEM SHALL BE FULLY ADDRESSABLE USING ANALOG INTELLIGENT SMOKE DETECTORS. CONTROL PANEL SHALL FEATURE POINT IDENTIFICATION OF ALL INITIATING DEVICES, 80 CHARACTER LCD DISPLAY, AND NON-VOLATILE EVENT HISTORY BUFFER.
- FM-200 SYSTEM SHALL COMPLY WITH NFPA, NATIONAL ELECTRICAL CODE AND ALL AUTHORITIES HAVING JURISDICTION.
- AS PART OF THE FINAL ACCEPTANCE TEST, PERFORM ROOM INTEGRITY PRESSURIZATION TEST.

PIPING INSTALLATION SPECIFICATIONS

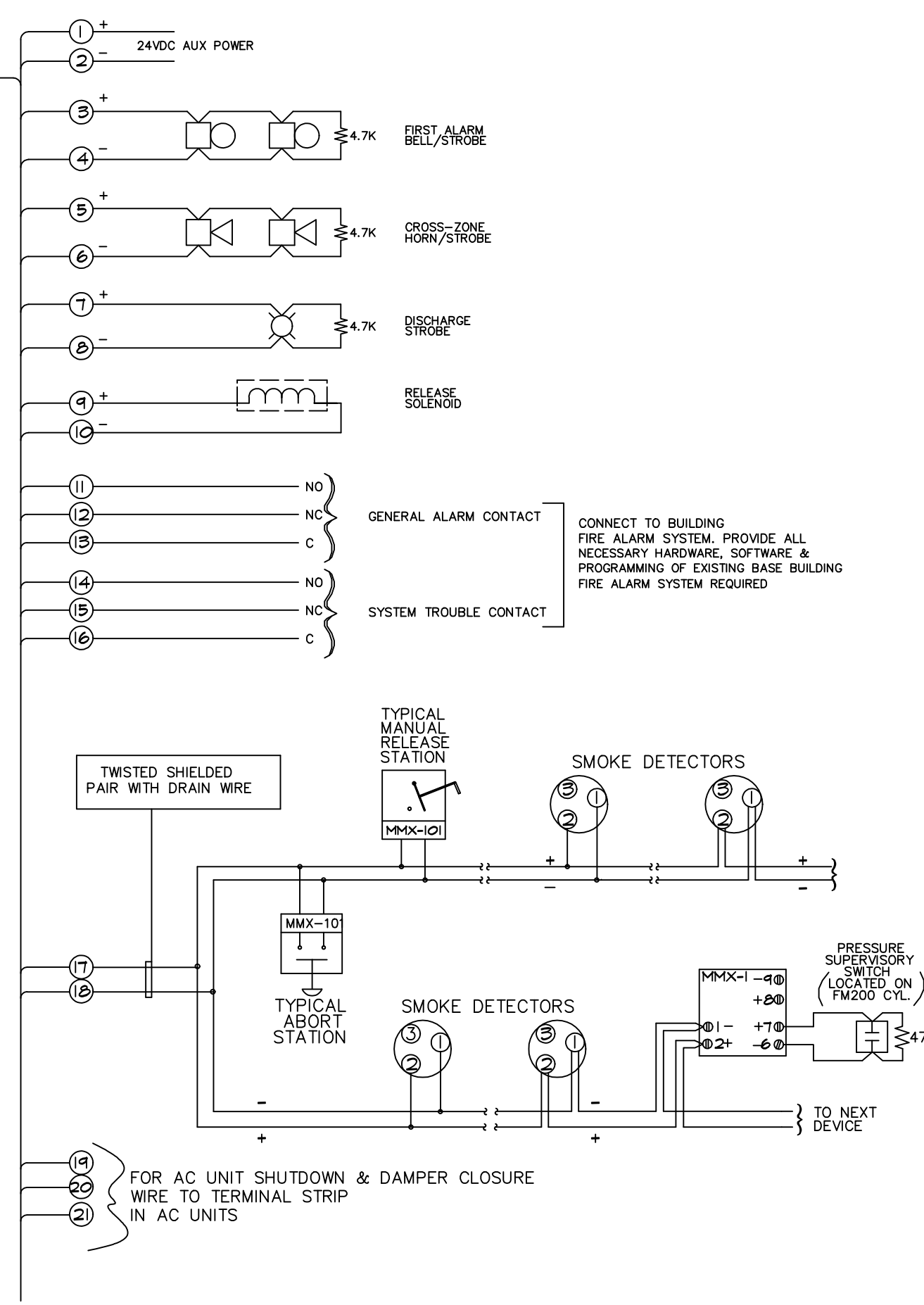
- FERROUS PIPING - BLACK PIPE SHALL BE EITHER ASTM A-53 SEAMLESS OR ELECTRIC RESISTANCE WELDED, GRADE A OR B, OR ASTM A-106, GRADE A,B OR C. ASTM A-120 AND ORDINARY CAST-IRON PIPE SHALL NOT BE USED. ORDINARY CAST-IRON PIPE, STEEL PIPE CONFORMING ONLY TO ASTM A-120 SHALL NOT BE USED.
- FITTINGS SHALL HAVE A MINIMUM MARKING PRESSURE OF 620 PSI. CLASS 150 LB. AND CAST-IRON FITTINGS SHALL NOT BE USED. THE USE OF BUSHINGS IS PROHIBITED. USE CONCENTRIC REDUCERS AS REQUIRED.
- JOINT COMPOUND, TAPE, OR THREAD LUBRICANT SHALL BE APPLIED ONLY TO THE MALE THREADS OF THE JOINT.
- THE PIPING SYSTEM SHALL BE SECURELY SUPPORTED WITH DUE ALLOWANCE FOR AGENT THRUST FORCES. THERMAL EXPANSION AND CONTRACTION.
- EACH PIPE SECTION SHALL BE CLEANED AFTER PREPARATION AND BEFORE ASSEMBLY BY MEANS OF SWABBING, UTILIZING A NON-FLAMMABLE ORGANIC SOLVENT.
- DISCHARGE NOZZLES SHALL BE INSTALLED CLEAR OF ANY OBSTRUCTIONS THAT MAY INTERFERE WITH NOZZLE DISPERSEMENT.

FM-200 ROOM DATA					
HAZARD	ORDINARY	CONC.	7%	LBS. SUPP.	YBD
SD. FT.	170	RM. HT.	9'-0"	CU. FT.	1440
DSGN. FACTOR		LBS. REQ'D	TBD	RM. TEMP.	70 F

NOTIFIER AFP-200 CONTROL PANEL



FIELD WIRING



DRAWING NOTES

- INTERLOCK IT RM. A/C UNIT WITH FIRE SUPPRESSION SYSTEM CONTROL PANEL. UPON ACTIVATION OF SYSTEM, A/C UNIT SHALL SHUT-DOWN VIA DRY CONTACT AS INDICATED ON ELECTRICAL RISER DIAGRAM ABOVE.
- INTERLOCK NORMALLY CLOSED HVAC DAMPERS WITH SYSTEM CONTROL PANEL UPON ACTIVATION OF SYSTEM, DAMPER(S) SHALL CLOSE.
- REVIEW FIELD CONSTRUCTION PRIOR TO INSTALLING ALL PIPING, REVIEW ANY DEVIATIONS WITH MFR. PRIOR TO INSTALLING PIPING. REPORT ANY DEVIATIONS ON AN AS-BUILT DRAWING.

Omdex Incorporated Consulting Engineers



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Edward J. Gaito, PE
NJ #26166 NY #57012 Va #016807 De #11776
Md #14827 CT #14789 PA #PE07588 OH #B051620
Minn #0187499 Mass #33515-HV, #33899-E
#33634-M NC #16973 SC #20205 NH #8242

02.04.21 REVISION **1**
01.28.21 ISSUED FOR BID

CRANBURY PUBLIC LIBRARY

30 PARK PLACE WEST CRANBURY, NJ 08512

arcari + iovino

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EDWARD ARCARI NJ#12306 ANTHONY IOVINO NJ#11720

ARCHIVES STORAGE ROOM DRY CHEMICAL SUPPRESSION PLAN AND DETAILS

SCALE: AS NOTED

DATE: 01.28.21

FILE: 1404\

FP.100

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