

BLOCK 646 LOT 41 QUALIFICATION CODE _____ ADDRESS (SITE) 216 DRUM POINT ROAD PERMIT NO. 15-2388



CONSTRUCTION PERMIT APPLICATION

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

C-15-003150

I. IDENTIFICATION

- Proposed Work Site at: 216 DRUMPOINT ROAD (OSBORNVILLE)
- Name of Owner in Fee: BRICK BOARD OF ED Tel. (732)
Address 101 HENDRICKSON AVE BRICK NJ 08724
street municipality zip code
- Ownership in Fee: Public ☒ Private _____
- Principal Contractor: JSC ELECTRIC, LLC Tel. (732) 206-0010
Address 1105 INDUSTRIAL PARKWAY BRICK NJ 08724
License No. OR, if new home, Builder Reg. No. 9455 Exp. Date 3/2018
Federal Employee No. 46-1693051 FAX: (732) 206-0080
- Architect or Engineer JOHNSON & URBAN Tel. ()
Address 294 STATE RT 34 COLTS NECK 07722 Contact RICH DOUGHTY
- Responsible Person in Charge once Work has Begun JOHN CASTORO
Tel. (732) 330-1775 FAX: (732) 206-0080

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$		
2. Electrical		<u>100</u>	
3. Plumbing			
4. Fire Protection			
5. Elevator Devices			
6. Subtotal	\$		
7. Less 20% for State Plan Review			
8. Subtotal	\$		
9. State Permit Surcharge Fee		<u>54</u>	
10. Subtotal	\$		
11. Cert. of Occupancy			
12. Other			
13. TOTAL	\$	<u>154</u>	

VI. BUILDING/SITE CHARACTERISTICS

	(office use only)
1. Number of Stories	
2. Height of Structure	ft.
3. Area — Largest Floor	sq. ft.
4. New Building Area	sq. ft.
5. Volume of New Structure	cu. ft.
6. Construction Classification	
7. Total Land Area Disturbed	sq. ft.
8. Flood Hazard Zone	
9. Base Flood Elevation	ft.
10. Wetlands	yes _____ no _____
11. Max. Live Load	
12. Max. Occupancy Load	

OPTIONAL (for office use only)

II. PROPOSED WORK	Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates	Re-viewer
1. ☐ Minor Work								
2. ☐ New Building		<u>Master</u>						
3. ☐ Addition								
4. ☐ a. Repair								
☐ b. Alteration								
☐ c. Renovation								
☐ d. Reconstruction								
5. ☐ Fire Protection								
6. ☐ Plumbing ☐ Mechanical								
7. ☒ Electrical	<u>28,315</u>	<u>AMP</u>	<u>6/25/15</u>	<u>7/6/15</u>		<u>7/22/15</u>	<u>7/19/15</u>	<u>TD</u>
8. ☐ Elevator Devices								
9. ☐ Asbestos Abat. Subch. 8								
10. ☐ Lead Hazard Abatement								
11. ☐ Demolition								
TOTAL COSTS								

III. DO YOU WANT: (optional)

- ☐ Partial Releases
- ☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

- ☐ Elevators/Escalators/Lifts/
Dumbwaiters/Moving Walks
- ☐ High Pressure Boilers
- ☐ Pressure Vessels
- ☐ Refrigeration Systems
- ☐ Cross-Connections/Backflow Preventers
- ☐ Hazardous Uses/Places of Assembly
- ☐ Sprinklers

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL

- ☐ Hotels (R-1) IBC 2009 NJ
- ☐ Multi-Family (R-2) IBC 2009 NJ
- ☐ Two-Family (R-3) IBC 2009 NJ
- ☐ Two-Family (R-5) IBC 2009 NJ
- ☐ One-Family (R-3) IRC 2009 NJ
- ☐ One-Family (R-5) IRC 2009 NJ

No. of dwelling units:

Before Construction _____
After Construction _____
Net Gain or Loss _____

B. NON-RESIDENTIAL

- State Specific Use:
- Use Group:
- Change in Use Group, Indicate Former:



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 11/10/2015
Control Number C-15-003150
Permit Number 15-2388
Permit Issue Date 7/22/2015
Certificate Number 15-2388

Certificate

Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 216 DRUM POINT RD. Brick Township, NJ Block: 646 Lot: 41 Qual: _____
Owner in Fee: BRICK TOWNSHIP BOARD OF EDUCATION
Owner Address: CHAMBERS BRIDGE RD BRICK NJ 08723
Telephone: _____
Contractor: JSC ELECTRIC LLC
Address: 1105 INDUSTRIAL PARKWAY BRICK NJ 08724
Telephone: (732) 206-0010 Fax: (732) 206-0080
License Number or Builders Registration Number: 9455 Federal Emp. Number: 461693051

Home Warranty Number: _____

Type of Warranty Plan: ☐ State ☐ Private

Use Group: R-5 Construction Classification: _____

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work/Use: COMMUNICATION POINTS

Certificate Comments:

☐ **Certificate of Occupancy**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ **Certificate of Approval**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ **Certificate of Continued Occupancy**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than or the owner will be subject to fine or order to vacate:

This certificate has an expiration date of:

Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJACS:17 to the following extent.

- ☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

- ☐ Total removal of asbestos hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Compliance**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than: or the owner will be subject to fine or order to vacate:

This certificate has an expiration date of:

Conditions to be met:

Construction Official

Fee: \$0.00

Check Number: _____

Collected By: _____

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(f)1.ix:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☐ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature _____ Date _____

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

☒ Check if contractor.

Agent Name JSC ELECTRIC, LLC

Address 1105 INDUSTRIAL PKWY
BRICK NJ 08724

Telephone (732) 1906 0010

Signature [Signature]

- III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.



ELECTRICAL SUBCODE TECHNICAL SECTION



A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 646 Lot 41 Qualification Code _____
Work Site Location 216 DRUMPOINT ROAD (OSBOENVILLE SCHOOL)
BRICK NJ 08723

Owner In Fee BRICK BOARD OF EDUCATION
Address 101 HENDRICKSON AVE
BRICK NJ 08724

Tel (732) 785-3000

Contractor JSC ELECTRIC, LLC
Address 1105 INDUSTRIAL PARKWAY
BRICK NJ 08724

Tel (732) 206-0010 FAX (732) 206-0080

Contractor License No. 9455

Federal Emp. No. 46-1693051

B. ELECTRICAL CHARACTERISTICS

Use Group Present SCHOOL Proposed _____

☐ Pole/Pad # _____ ☐ Temporary ☐ Other _____

Building Occupied as _____ Utility Co. _____

Est. Cost of Elec. Work \$ 28,315

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Dates (Month/Day)			
☐ No Plans Required			Type:	Failure	Failure	Approval	Initial
Joint Plan Review Required:			Rough				
☐ Building ☐ Plumbing			Barrier-Free				
☐ Fire ☐ Elevator			Trench				
☒ Elec. Plans Approved			Temp. Serv.				
Date: <u>2/22/15</u>			Constr. Serv.				
Approved by: <u>[Signature]</u>			TCO				
			Other				
			Service				
			Final				
			Barrier-Free				
SUBCODE APPROVAL			Temp. Cut-in-Card Date Issued				
☐ CO ☐ CCO			Final Cut-in-Card Date Issued				
Date: <u>10/27/15</u>			Annual Pool Inspection				
Approved by: <u>[Signature]</u>			Date of Grounding and Bonding Certification				

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant's Signature/Contractor's Seal and Signature

☒ Licensed Elec. Contractor ☐ Certifd Landscape Irrigation Contr ☐ Exempt Applicant

D. TECHNICAL SITE DATA

QTY.	SIZE	ITEMS
		Lighting Fixtures
		Receptacles
		Switches
		Detectors
		Light Poles
		Motors—Fract. HP
		Emergency & Exit Lights
		*Communications Points
		Alarm Devices/F.A.C. Panel

TOTAL NUMBERS

Pool Permit/with UW Lights	
Storable Pool/Spa/Hot Tub	
KW Elec. Range/Receptacle	
KW Oven/Surface Unit	
KW Elec. Water Heater	
KW Elec. Dryer/Receptacle	
KW Dishwasher	
HP Garbage Disposal	
KW Central A/C Unit	
HP/KW Space Heater/Air Handler	
KW Baseboard Heat	
HP Motors 1/4 HP	
KW Transformer/Generator	
AMP Service	
AMP Subpanels	
AMP Motor Control Center	
KW Elec. Sign/Outline Light	

Administrative Surcharge \$	
Minimum Fee \$	
State Permit Surcharge Fee \$	
TOTAL FEE \$	

* HVAC A/C/BDC LOW VOLTAGE WIRING

Date Received 7/22/16
Control # 15-0388
Date Issued 7/22/16
Permit # 15-0388



CONSTRUCTION PERMIT

Date Issued 7/22/15
Control # C-15-003150
Permit # 15-2388

IDENTIFICATION Block: 646 Lot: 41 Qualifier _____
Work Site Location: 216 DRUM POINT RD. Brick Township, NJ Contractor: JSC ELECTRIC LLC
Address: 1105 INDUSTRIAL PARKWAY BRICK NJ 08724
Owner in Fee: BRICK TOWNSHIP BOARD OF EDUCATION
CHAMBERS BRIDGE RD BRICK NJ 08723 Telephone: (732) 206-0010
Lic. No. or Bldrs. Reg. No. 9455
Telephone: _____ Federal Employee No. 461693051

Is hereby granted permission to perform the following work:

- ☐ BUILDING ☐ PLUMBING ☐ LEAD HAZARD ABATEMENT
☒ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT (Subchapter 8 only) ☐ OTHER

DESCRIPTION OF WORK:

COMMUNICATION POINTS

Note: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$28,315

Daniel Newman Jr.
Construction Official

7/22/15
Date

PAYMENTS (Office Use Only)

Building	\$0
Electrical	\$100
Plumbing	\$0
Fire Protection	\$0
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$24
CO Fee	\$0
Other	\$0
Total	\$124
Check No.	<u>15-2388</u>
Cash	\$0
Credit	\$0
Collected By	<u>[Signature]</u>

U.C.C. F170
equiv (rev 1/04)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

☒ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
2. Foundations and all walls up to grade level prior to back filling.
3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

☒ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

☒ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723
(732) 262-1030

Subcode Official Review

Date: Wednesday, July 15, 2015

To: BRICK TOWNSHIP BOARD OF
EDUCATION
CHAMBERS BRIDGE RD
BRICK, NJ 08723

RE: Electrical Subcode
Block: 646 Lot: 41 Qual:
216 DRUM POINT RD.
Permit Number: Control Number: C-15-003150
Last Submit Date: Wednesday, July 15, 2015

Dear BRICK TOWNSHIP BOARD OF EDUCATION,

Your request is hereby denied based upon the following infractions.

Plans submitted are illegible and unreadable. Please submit clear plans.

Sincerely,

Patrick Callahan, Subcode Official

CC:

FAYED TO
ARCH/ENG.
7/15/15 PJC

RESUBMIT KLH
SUBCODES E
DATES 7/17/15



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723
(732) 262-1030

Subcode Official Review

Date: Tuesday, July 14, 2015

To: BRICK TOWNSHIP BOARD OF
EDUCATION
CHAMBERS BRIDGE RD
BRICK, NJ 08723

RE: Electrical Subcode
Block: 646 Lot: 41 Qual:
216 DRUM POINT RD.
Permit Number: Control Number: C-15-003150
Last Submit Date: Thursday, June 25, 2015

Dear BRICK TOWNSHIP BOARD OF EDUCATION,

Your request is hereby denied based upon the following infractions.

No electrical plans submitted .

Sincerely,

Thomas Olson, Subcode Official

CC:

Page 1

7322060080	Normal	14,04:33pm	0'12"	1	# 0 K	
Name/Fax No.	Mode	Start	Time	Page	Result	Note

**** Transmit Confirmation Report ****
P.1
BRICK TWP BUILDING DEP Fax: 732-262-2941
Jul 14 2015 04:33pm



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723
(732) 262-1030

Subcode Official Review

Date: Wednesday, July 08, 2015

To: BRICK TOWNSHIP BOARD OF
EDUCATION
CHAMBERS BRIDGE RD
BRICK, NJ 08723

RE: Electrical Subcode
Block: 646 Lot: 41 Qual;
218 DRUM POINT RD.
Permit Number: Control Number: C-15-003150
Last Submit Date: Thursday, June 26, 2015

Dear BRICK TOWNSHIP BOARD OF EDUCATION,
Your request is hereby denied based upon the following infractions.

No electrical plans submitted.

Sincerely,

Thomas Olson, Subcode Official

7/9/15

To: Thomas Olson
Subcode official

As requested attached please find the Controls, Low voltage wiring diagrams for the permit
Application referenced above.

If you have any questions please don't hesitate to contact our office.

Sincerely,

Kathy Francese
Office Manager

Pay# 732-262-2941
(6 pages plus cover)

107-15
* Attn):

Thomas Olson
Subcode Official

OSBORNVILLE ELEMENTARY SCHOOL
Brick Township School District

216 Drum Point Rd

Brick, NJ 08723

Engineer: Johnson & Urban Engineering,
Mechanical Contractor: Amco Enterprises

SCHEDULE OF DRAWINGS (BY PAGE NUMBER)

1. ABBREVIATIONS AND LEGEND

2. BUILDING MANAGEMENT SYSTEM CONTROLS NETWORK

3. HEATING PLANT DDC POINT SCHEMATIC AND WIRING DETAILS

4. HEATING PLANT SEQUENCE OF OPERATION & BILL OF MATERIAL

5. UNIT VENTILATOR DDC POINT SCHEMATIC, WIRING DETAILS & BILL OF MATERIAL

6. UNIT VENTILATOR SEQUENCE OF OPERATION

7. CABINET HEATER CONTROL SCHEMATIC, WIRING DETAILS & BILL OF MATERIAL

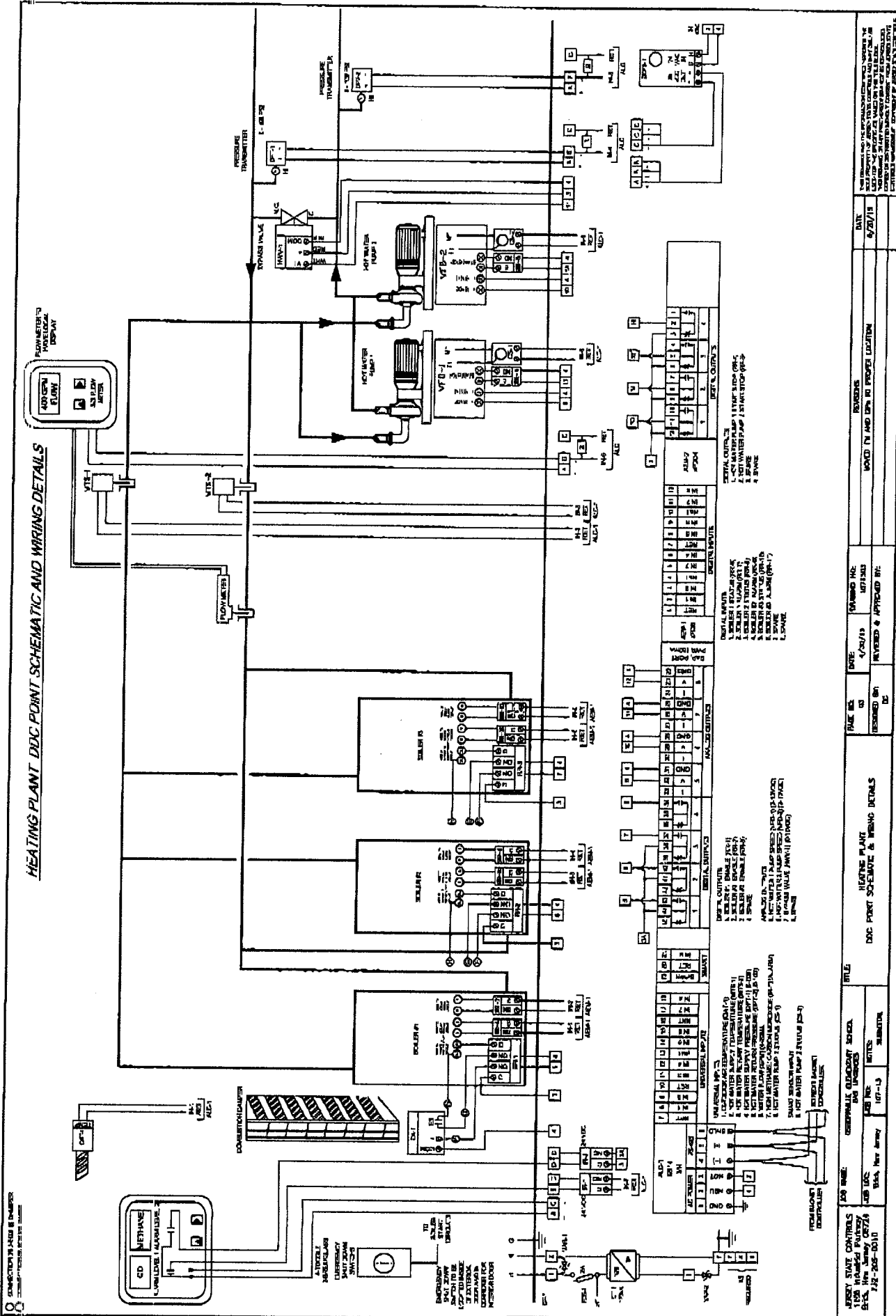
8. RADIANT FLOOR PANEL WIRING DETAILS AND BILL OF MATERIAL

JSC

Andover Controls DDC System
Designed, Installed, Programmed by:
Jersey State Controls
Brick, New Jersey
Serving the HVAC Industry since 1983

Bacnet and Open Communication System Experts Energy Management, Monitoring and Control Services and Maintenance Contracts
24 hour Monitoring, Alarming and Services Authorized Andover Controls Representative

HEATING PLANT DDC POINT SCHEMATIC AND WIRING DETAILS



(TYPICAL FOR 6)

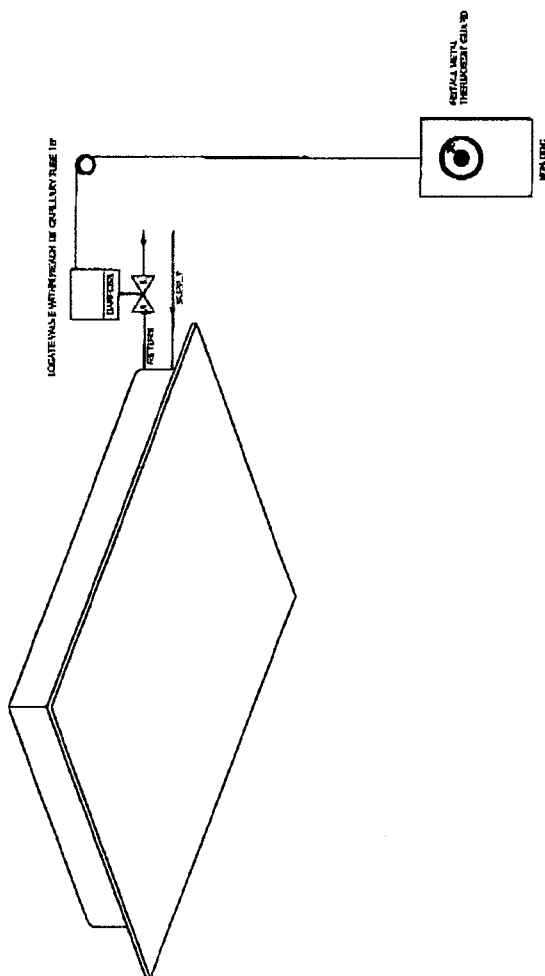


1. 100% LINE VOLTAGE
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 6. 100% LINE PHASE
 7. 100% LINE TEMPERATURE
 8. 100% LINE HUMIDITY
 9. 100% LINE PRESSURE
 10. 100% LINE VIBRATION
 11. 100% LINE ACCELERATION
 12. 100% LINE DECELERATION
 13. 100% LINE SHOCK
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 96. 100% LINE TENSION
 97. 100% LINE COMPRESSION
 98. 100% LINE SHEAR
 99. 100% LINE TORSION
 100. 100% LINE BENDING

[illegible]

RADIANT HEAT PANEL WIRING DETAILS AND BILL OF MATERIAL

(TYPICAL FOR A)



BILL OF MATERIALS			
ITEM	QTY	MATERIAL DESCRIPTION	REMARKS
1	2	1.00C THERMIST WITH THERMIST CELL	
2	2	1.00C THERMIST WITH THERMIST CELL	
3	2	1.00C THERMIST WITH THERMIST CELL	

APPROVED BY: [Signature] DATE: 7/9/15	DESIGNED BY: [Signature] DATE: 7/9/15		CHECKED BY: [Signature] DATE: 7/9/15		APPROVED BY: [Signature] DATE: 7/9/15	
	PROJECT: [Blank] DRAWING NO.: [Blank]		REVISED & APPROVED BY: [Blank] DATE: [Blank]		TITLE: [Blank]	
PROJECT: [Blank] DRAWING NO.: [Blank]		REVISED & APPROVED BY: [Blank] DATE: [Blank]		TITLE: [Blank]		



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723
(732) 262-1030

7/7/18 @ PAXIS.

732-206-0080

Subcode Official Review

Date: Wednesday, July 08, 2015

To: BRICK TOWNSHIP BOARD OF
EDUCATION
CHAMBERS BRIDGE RD
BRICK, NJ 08723

RE: Electrical Subcode
Block: 646 Lot: 41 Qual:
216 DRUM POINT RD.
Permit Number: Control Number: C-15-003150
Last Submit Date: Thursday, June 25, 2015

Dear BRICK TOWNSHIP BOARD OF EDUCATION,

Your request is hereby denied based upon the following infractions.

No electrical plans submitted .

Sincerely,

Thomas Olson, Subcode Official

CC:



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723
(732) 262-1030

Subcode Official Review

Date: Wednesday, July 08, 2015

To: BRICK TOWNSHIP BOARD OF
EDUCATION
CHAMBERS BRIDGE RD
BRICK, NJ 08723

RE: Electrical Subcode
Block: 646 Lot: 41 Quai:
216 DRUM POINT RD.
Permit Number: Control Number: C-15-003150
Last Submit Date: Thursday, June 25, 2015

Dear BRICK TOWNSHIP BOARD OF EDUCATION,
Your request is hereby denied based upon the following infractions.

No electrical plans submitted.

Sincerely,

Thomas Olson, Subcode Official

CC:

Page 1

7322060080	Normal	08,03:16pm	0'12"	1	# 0 K	
Name/Fax No.	Mode	Start	Time	Page	Result	Note

**** Transmit Confirmation Report ****
P.1
BRICK TWP BUILDING DEP Fax:732-262-2941
Jul 8 2015 03:16pm

JSC ELECTRIC, LLC

1105 Industrial Parkway
BRICK, NEW JERSEY 08724
(732) 206-0010
Fax: (732) 206-0080

LETTER OF TRANSMITTAL

TO:

Township of Brick

401 Chambers Bridge Road

Brick, NJ 08723

DATE:	1/29/2015	JOB NO.	126-14
ATTENTION:	Building Department / Code Office		
RE:	Permit Application HVAC ATC/DDC Controls - Low Voltage Wiring Osbornville Elementary School		

WE ARE SENDING YOU☒ Attached☐ Under Separate Cover☐ Shop Drawings☐ Prints☐ Submittals☐ Specifications☐ As Builts☐ Other _____**COMMENTS:**

Enclosed please find the original permit application for the Osbornville Elementary School.

If you have any questions or need additional information please don't hesitate to contact our office.

THESE ARE TRANSMITTED as checked below:☒ For Approval☐ For your use☐ As requested☐ For review and comment☐ _____*Sincerely,*Signed by: Kathy Francese*Office Manager*kathy.francese@jscbms.com

OSBORNVILLE ELEMENTARY SCHOOL
 Brick Township School District
 218 Drum Point Rd
 Brick, NJ 08723
 Engineer: Johnson & Urban Engineering.
 Mechanical Contractor: Amco Enterprises

1. ABBREVIATIONS AND LEGEND		SCHEDULE OF DRAWINGS (BY PAGE NUMBER)	
2. BUILDING MANAGEMENT SYSTEM CONTROLS NETWORK		5. UNIT VENTILATOR DDC POINT SCHEMATIC, WIRING DETAILS & BILL OF MATERIAL	
3. HEATING PLANT DDC POINT SCHEMATIC AND WIRING DETAILS		6. UNIT VENTILATOR SEQUENCE OF OPERATION	
4. HEATING PLANT SEQUENCE OF OPERATION & BILL OF MATERIAL		7. CABINET HEATER CONTROL SCHEMATIC, WIRING DETAILS & BILL OF MATERIAL	
		8. RADIANT HEAT PANEL WIRING DETAILS AND BILL OF MATERIAL	

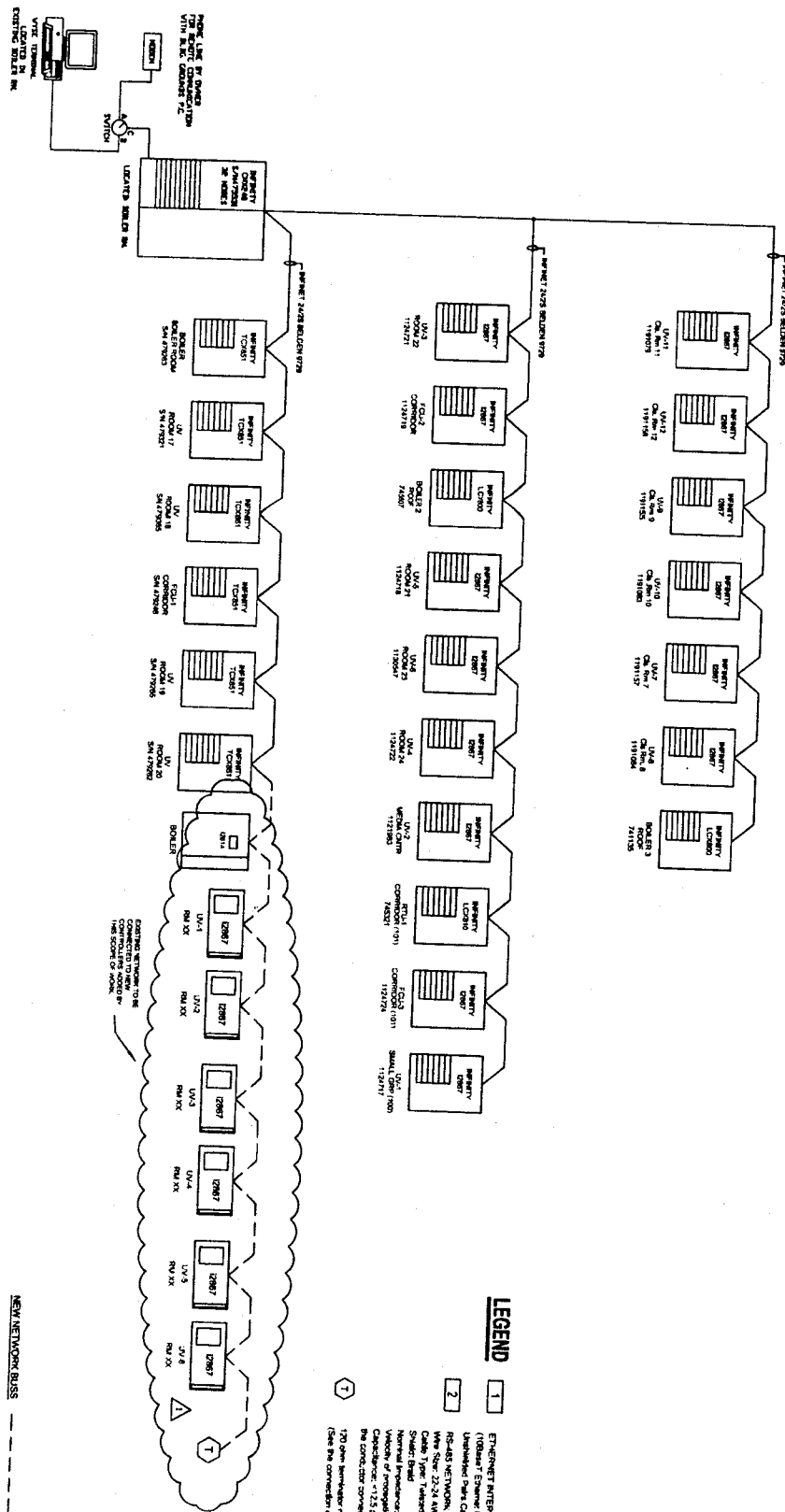
TOWNSHIP OF BRICK
 RELEASED FOR PERMIT
 INITIAL DATE
 Building Subcode _____
 Plumbing Subcode _____
 Fire Subcode _____
 Electrical Subcode 20
 Plan Reviewer 7/22/12
 Plans Released _____
 Contracting Official _____

FILE COPY


Andover Controls DDC System
 Designed, Installed, Programmed by:
 Jersey State Controls
 Brick, New Jersey
 Serving the HVAC Industry since 1983
 Bacnet and Open Communication System Experts Energy Management, Monitoring and Control Service and Maintenance Contracts
 24 hour Monitoring, Alarming and Service Authorized Andover Controls Representative

NEW NETWORK BUS
 EXISTING NETWORK BUS
 PROVIDE SERIAL NUMBERS FOR NEW CONTROLLERS AT TIME OF INSTALLATION

BUILDING MANAGEMENT SYSTEM CONTROLS NETWORK



LEGEND

- 1 ETHERNET INTERFACE CABLE
- 2 UNSHIELDED TWISTED PAIR (UTP) CABLE
- 3 RJ-45 NETWORK CABLE
- 4 25-PIN D-SUB CONNECTOR

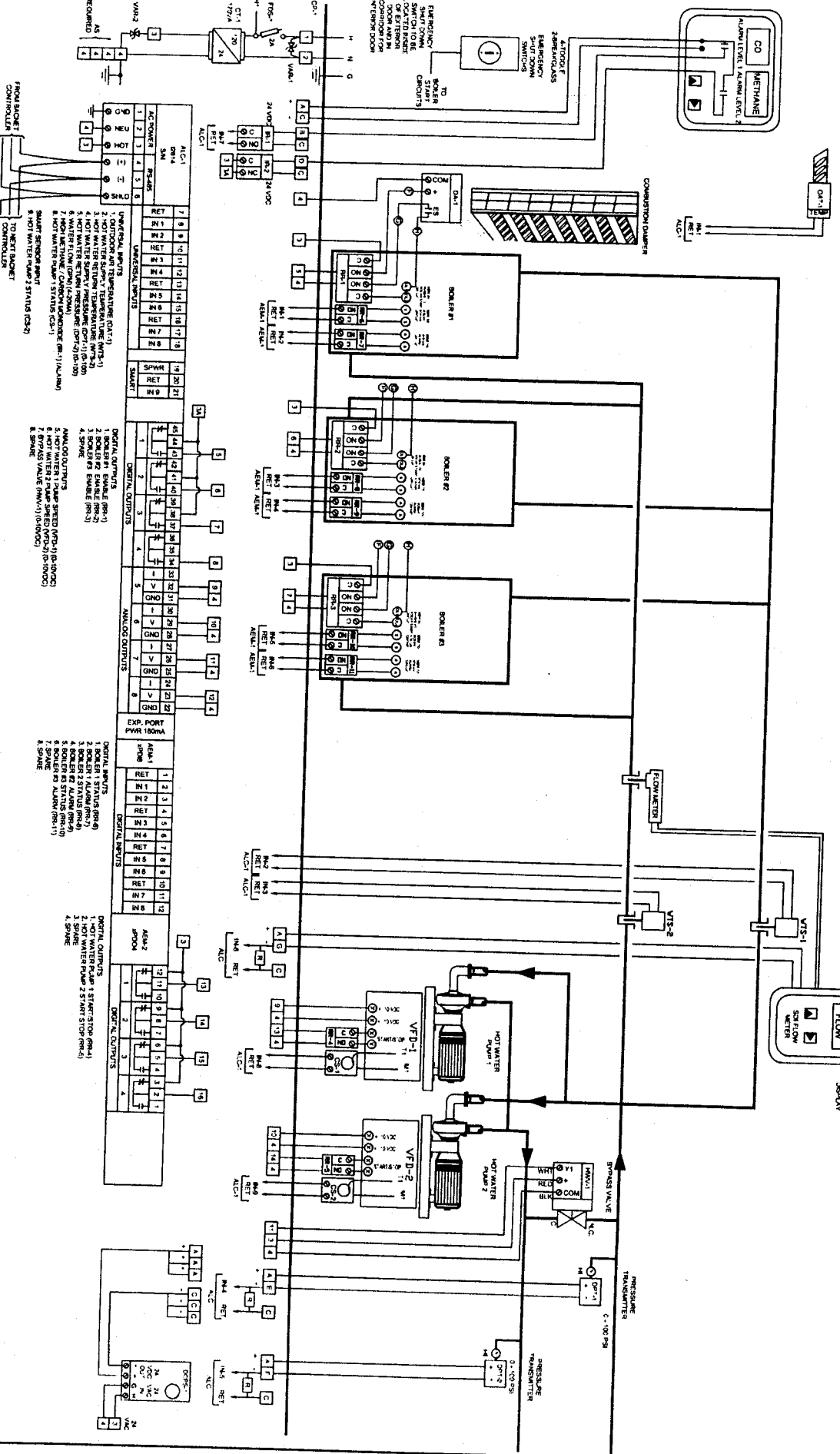
NEW NETWORK BUS

JERSEY STATE CONTROLS 1105 Industrial Parkway Bldg. 212-300-0010		JOB NAME: OROSHALL ELEMENTARY SCHOOL		TITLE: BUILDING MANAGEMENT SYSTEM CONTROLS NETWORK	
JOB LOC: Bldg. New Jersey	JOB NO: 107-15	NOTES: SUBMITAL		PAGE NO: 02	DATE: 5/13/15
DESIGNED BY: [Signature]		REVIEWED & APPROVED BY: [Signature]		REVISIONS:	DATE:

THIS DRAWING IS THE PROPERTY OF JERSEY STATE CONTROLS. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED ON THE DRAWING. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF JERSEY STATE CONTROLS.

8 CONNECTION IN JUNCTION BOX
8 CONNECTION IN BOILER PANEL

HEATING PLANT DDC POINT SCHEMATIC AND WIRING DETAILS



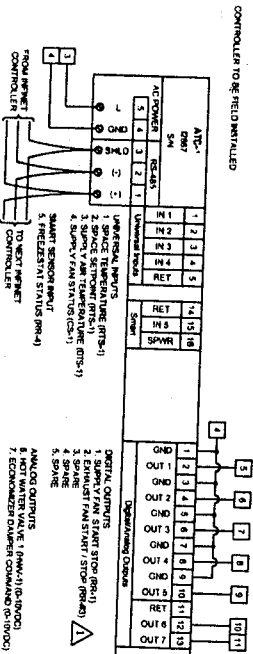
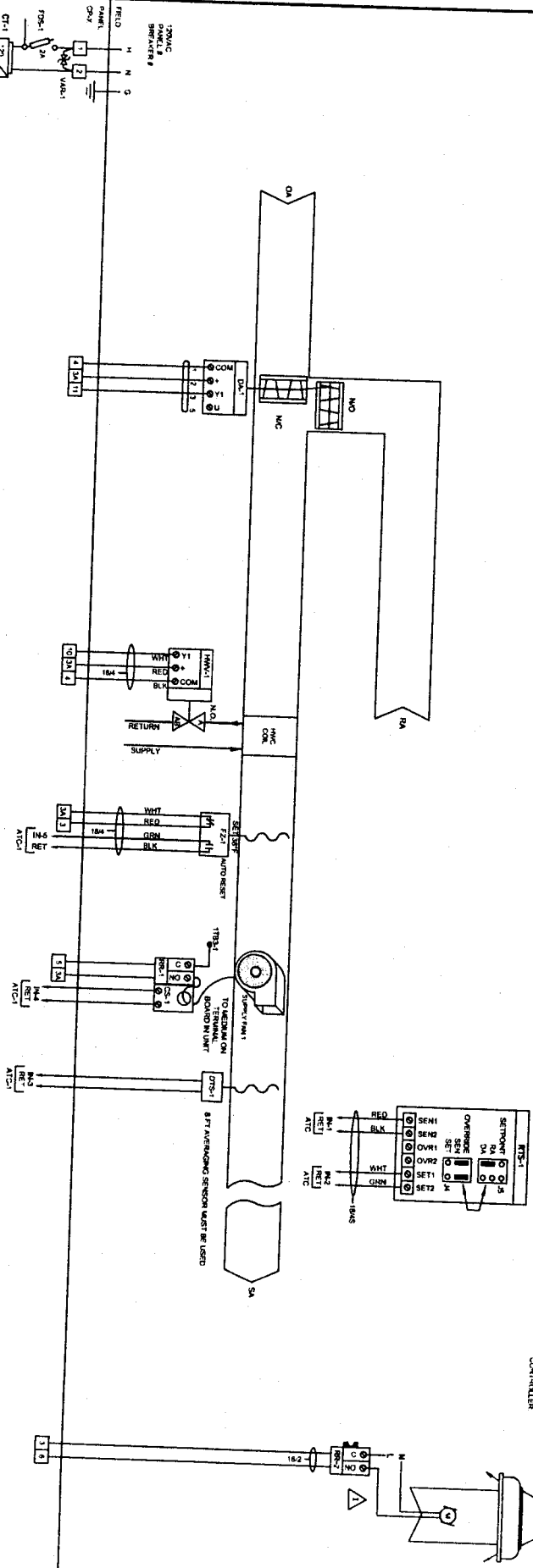
JERSEY STATE CONTROLS 1105 Industrial Parkway Bridgeton, New Jersey 08724 732-208-0010		JOB NAME: OBERMAYR ELEMENTARY SCHOOL JOB LOC: BRIDGE, New Jersey JOB NO: 107-15 NOTES: SUBMITTAL		TITLE: HEATING PLANT DOC POINT SCHEMATIC & WIRING DETAILS		PAGE NO: 03 DATE: 4/20/15 DESIGNED BY: DC		DRAWING NO: 1071503 REVISIONS WORKED BY AND DWN TO PROPER LOCATION DATE: 6/20/15		NOTES: 1. THE DDC SYSTEM IS TO BE INSTALLED IN THE MECHANICAL ROOM OF THE SCHOOL. 2. THE DDC SYSTEM IS TO BE INSTALLED IN THE MECHANICAL ROOM OF THE SCHOOL. 3. THE DDC SYSTEM IS TO BE INSTALLED IN THE MECHANICAL ROOM OF THE SCHOOL. 4. THE DDC SYSTEM IS TO BE INSTALLED IN THE MECHANICAL ROOM OF THE SCHOOL. 5. THE DDC SYSTEM IS TO BE INSTALLED IN THE MECHANICAL ROOM OF THE SCHOOL. 6. THE DDC SYSTEM IS TO BE INSTALLED IN THE MECHANICAL ROOM OF THE SCHOOL. 7. THE DDC SYSTEM IS TO BE INSTALLED IN THE MECHANICAL ROOM OF THE SCHOOL. 8. THE DDC SYSTEM IS TO BE INSTALLED IN THE MECHANICAL ROOM OF THE SCHOOL. 9. THE DDC SYSTEM IS TO BE INSTALLED IN THE MECHANICAL ROOM OF THE SCHOOL. 10. THE DDC SYSTEM IS TO BE INSTALLED IN THE MECHANICAL ROOM OF THE SCHOOL.	
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UNIT VENTILATOR DDC POINT SCHEMATIC & WIRING DETAILS

(TYPICAL FOR 6)

WIRE EF #1 TO UV #
CONTROLLER.

EXHAUST FAN #1 & #2

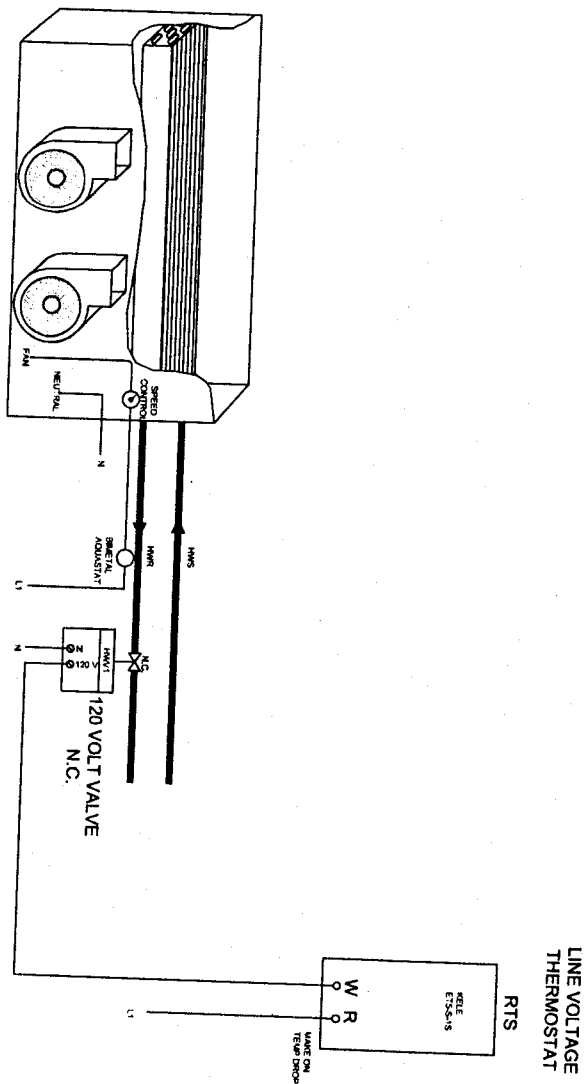


B/L OF MATERIALS				
ITEM	QTY.	MATERIAL DESCRIPTION	VENDOR	PART NO.
A1C	8	Controler 41A 1 Switches Saver, 31FA, 1 from k. 7AO	ANDREWS CONTROLS	6967
C7	6	CONTROL TRANSFORMER 120/240VAC 75 VA	DELTE	TR55W002
DA-1	6	DAMPERS ACTUATOR	BEIJING	173A48
ATS	6	AIR/REFRIG DUCT TEMPERATURE SENSOR W/ALUMINUM HOUSING & RT	DELTE	ST55FA
FZ2	6	FREESTANDING AUTO RESET WITH 4 ON CONTACTS	SON-DETER	TC-502
RTS	6	WALL MOUNTED ROOM TEMPERATURE SENSOR	BALU	BAU-05A-SMT-24H
RR-42	12	98 RELAY SPDT 10A	DELTE	98RL1C
RR-3	2	98 RELAY SPDT 10A	DELTE	98RL1S
CS-1	6	98 RELAY CURRENT SWITCH	DELTE	98RL4F
HMV	6	HOT WATER VALVE	BEIJING	98WV4F
				SEE VALVE SCHEDULE

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CABINET HEATERS #1 & #2

FOR EACH UNIT, A LINE VOLTAGE ROOM THERMOSTAT, AN AQUASTAT, AND A NORMALLY CLOSED HOT WATER VALVE WILL BE PROVIDED. ON A CALL FOR HEAT FROM THE ROOM THERMOSTAT, THE HOT WATER VALVE SHALL OPEN, THE AQUASTAT WILL CYCLE THE UNIT FAN MOTOR ON WHEN HOT WATER IS FLOWING THROUGH THE HOT WATER COIL ABOVE THE UNIT, AND THE ROOM THERMOSTAT IS SATISFIED. THE HOT WATER VALVE WILL CLOSE, THEN THE AQUASTAT WILL CYCLE THE UNIT FAN MOTOR OFF. WHEN THE HOT WATER TEMPERATURE DROPS LESS THAN 120 (AQU),



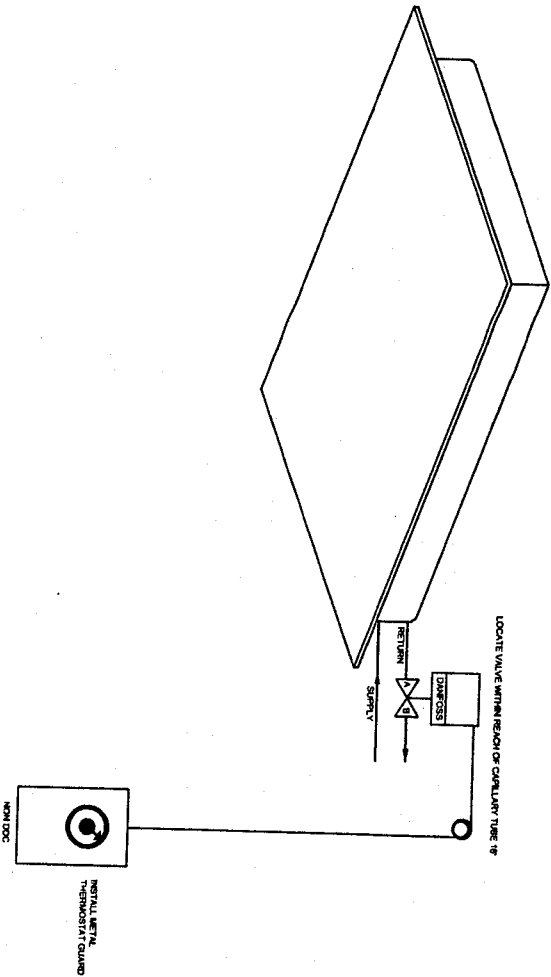
BILL OF MATERIALS			
ITEM	QTY.	MATERIAL DESCRIPTION	PART NO.
RTS	2	LIME VOLTAGE THERMOSTAT CLOSE ON TEMPERATURE CHANGE	ETS-515
AQ	2	ADJUSTMENT STRAP ON	ATE
HWV	2	HOT WATER VALVE 120 VOLT N.C.	ATE-100-CA
			SEE VALVE SCHEDULE

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[illegible]

RADIANT HEAT PANEL WIRING DETAILS AND BILL OF MATERIAL

(TYPICAL FOR 2)



BILL OF MATERIALS				
ITEM	QTY.	MATERIAL DESCRIPTION	VENDOR	PART NO.
HWV	2	THERMOSTATIC HOT WATER VALVE 1/2" REMOTE ADJUSTMENT DIAL	KEL	0150855
HWV	2	1/2" STRAIGHT MOUNT VALVE 1/2" FOR THERMOSTATIC CONTROL	KEL	0150815
GD	2	METAL THERMOSTAT GUARD	KEL	AT-1104

JERSEY STATE CONTROLS 1105 Industrial Parkway Brick, New Jersey 08724 732-208-0010		JOB NAME: OGDONNELL ELEMENTARY SCHOOL JOB LOC: BRICK, NEW JERSEY JOB NO.: 107-13 NOTES: SUBMITTAL	TITLE: RADIANT HEAT PANEL WIRING DETAILS AND BILL OF MATERIAL PRICE NO.: 08 DATE: 5/8/13 ISSUED BY: DE	REVISIONS: <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	DESCRIPTION						
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