



Alarm Name	Condition	Time Delay
Pressure Start	Alarm signal received by BAS controller	None
Start Smoke	Alarm signal received by BAS controller	None
Exhaust air temperature not meeting setpoint (JAN-1, JAN-2 and JAN-3-2 units)	SetPt > 5°F above or below setpoint.	15 minutes
Static pressure above or below setpoint (JAN-1, JAN-2 and JAN-3-2 units)	Static pressure above or below setpoint > 0.2 in H ₂ O	15 minutes
Mixed air low temperature	Mixed air temperature < 60°F	15 minutes
Space temperature not meeting setpoint (JAN-1, JAN-2-4, and JAN-3-1 units)	Space temperature > 3°F above or below setpoint	15 minutes
High CO Over (JAN-5 units)	Gasport CO-556 ppm	2 minutes
Fan failure (physical all fans)	Alarm signal off, but status is off	15 minutes
Fan overcurrent (physical all fans)	Alarm signal off, but status is on	2 hours

4 AHU ALARMS

[illegible]

3 AHU-4 CONTROL POINTS LIST

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|--------------|---|
| GENERAL | <p>1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OCCUPANCY SCHEDULE AND SHALL BE RESPONSIBLE FOR THE OCCUPANCY SCHEDULE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OCCUPANCY SCHEDULE AND SHALL BE RESPONSIBLE FOR THE OCCUPANCY SCHEDULE.</p> <p>2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OCCUPANCY SCHEDULE AND SHALL BE RESPONSIBLE FOR THE OCCUPANCY SCHEDULE.</p> <p>3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OCCUPANCY SCHEDULE AND SHALL BE RESPONSIBLE FOR THE OCCUPANCY SCHEDULE.</p> |
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② AHU-4 SEQUENCE OF OPERATION



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Appendix 1: List of all the activities in the curriculum									
Activity	Duration	Frequency	Location	Resources	Equipment	Materials	Notes	Assessment	Feedback
1. Introduction to the course	10 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will be introduced to the course and the importance of the subject.	Formative	Verbal feedback
2. Lesson 1: The history of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the history of the subject and the key figures in the field.	Formative	Verbal feedback
3. Lesson 2: The theory of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the theory of the subject and the key concepts.	Formative	Verbal feedback
4. Lesson 3: The practice of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the practice of the subject and the key skills.	Formative	Verbal feedback
5. Lesson 4: The future of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the future of the subject and the key challenges.	Formative	Verbal feedback
6. Lesson 5: The importance of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the importance of the subject and the key reasons.	Formative	Verbal feedback
7. Lesson 6: The role of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the role of the subject and the key functions.	Formative	Verbal feedback
8. Lesson 7: The impact of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the impact of the subject and the key effects.	Formative	Verbal feedback
9. Lesson 8: The value of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the value of the subject and the key benefits.	Formative	Verbal feedback
10. Lesson 9: The meaning of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the meaning of the subject and the key significance.	Formative	Verbal feedback
11. Lesson 10: The purpose of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the purpose of the subject and the key goals.	Formative	Verbal feedback
12. Lesson 11: The mission of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the mission of the subject and the key objectives.	Formative	Verbal feedback
13. Lesson 12: The vision of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the vision of the subject and the key aspirations.	Formative	Verbal feedback
14. Lesson 13: The strategy of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the strategy of the subject and the key plans.	Formative	Verbal feedback
15. Lesson 14: The policy of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the policy of the subject and the key rules.	Formative	Verbal feedback
16. Lesson 15: The procedure of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the procedure of the subject and the key steps.	Formative	Verbal feedback
17. Lesson 16: The process of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the process of the subject and the key stages.	Formative	Verbal feedback
18. Lesson 17: The system of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the system of the subject and the key components.	Formative	Verbal feedback
19. Lesson 18: The mechanism of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the mechanism of the subject and the key parts.	Formative	Verbal feedback
20. Lesson 19: The method of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the method of the subject and the key techniques.	Formative	Verbal feedback
21. Lesson 20: The approach of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the approach of the subject and the key ways.	Formative	Verbal feedback
22. Lesson 21: The technique of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the technique of the subject and the key skills.	Formative	Verbal feedback
23. Lesson 22: The skill of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the skill of the subject and the key abilities.	Formative	Verbal feedback
24. Lesson 23: The art of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the art of the subject and the key crafts.	Formative	Verbal feedback
25. Lesson 24: The science of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the science of the subject and the key facts.	Formative	Verbal feedback
26. Lesson 25: The study of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the study of the subject and the key research.	Formative	Verbal feedback
27. Lesson 26: The work of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the work of the subject and the key tasks.	Formative	Verbal feedback
28. Lesson 27: The job of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the job of the subject and the key roles.	Formative	Verbal feedback
29. Lesson 28: The career of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the career of the subject and the key paths.	Formative	Verbal feedback
30. Lesson 29: The profession of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the profession of the subject and the key standards.	Formative	Verbal feedback
31. Lesson 30: The occupation of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the occupation of the subject and the key duties.	Formative	Verbal feedback
32. Lesson 31: The trade of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the trade of the subject and the key crafts.	Formative	Verbal feedback
33. Lesson 32: The business of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the business of the subject and the key operations.	Formative	Verbal feedback
34. Lesson 33: The industry of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the industry of the subject and the key sectors.	Formative	Verbal feedback
35. Lesson 34: The sector of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the sector of the subject and the key areas.	Formative	Verbal feedback
36. Lesson 35: The field of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the field of the subject and the key domains.	Formative	Verbal feedback
37. Lesson 36: The domain of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the domain of the subject and the key parts.	Formative	Verbal feedback
38. Lesson 37: The area of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the area of the subject and the key regions.	Formative	Verbal feedback
39. Lesson 38: The part of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the part of the subject and the key components.	Formative	Verbal feedback
40. Lesson 39: The section of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the section of the subject and the key areas.	Formative	Verbal feedback
41. Lesson 40: The division of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the division of the subject and the key parts.	Formative	Verbal feedback
42. Lesson 41: The branch of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the branch of the subject and the key fields.	Formative	Verbal feedback
43. Lesson 42: The division of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the division of the subject and the key parts.	Formative	Verbal feedback
44. Lesson 43: The branch of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the branch of the subject and the key fields.	Formative	Verbal feedback
45. Lesson 44: The division of the subject	15 minutes	Once	Classroom	PowerPoint	Whiteboard	Markers	Students will learn about the division of the subject and the key parts.	Formative	Verbal feedback



Alarm Name	Condition	Time Delay
Space temperature not meeting setpoint	Space temperature > 5°F above or below effective setpoint	15 minutes
Airflow not meeting setpoint	Airflow > 10% below setpoint with damper 100% open	1 hour
Airflow detected while damper closed	Airflow > 25% of max setpoint with damper 0% open	1 hour

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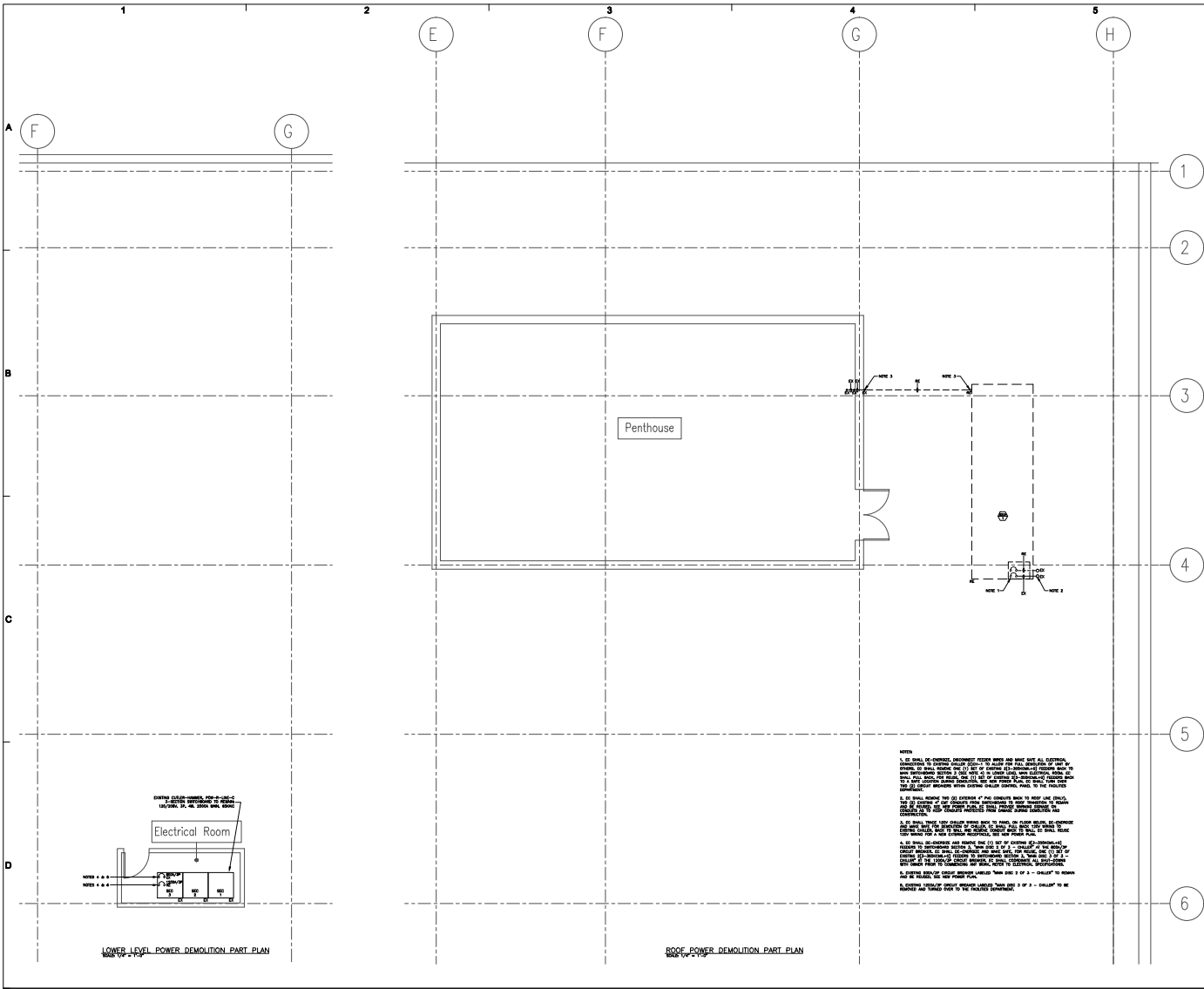
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DRWN BY: RRM	DATE: 3/8/2022
CHKD BY: JAB	DATE: 3/8/2022
SCALE: 1/2" = 1'-0"	SHEET SIZE: E1

MH408



6 WEATHER STATION CONTROL POINTS LIST





B2Q Associates, Inc.
100 South Road - Suite 212
Andover, MA 01810
www.b2qassociates.com



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Dorchester, MA 01912

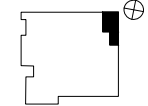


BMC Engineering, LLC
100 S. Audubon Road
Woburn, MA 01801

**NOT FOR
CONSTRUCTION**

This drawing is not intended, nor shall be used
for construction unless the signed seal of a
design professional is affixed.

KEY PLAN



REV.	DATE	DESCRIPTION
B	08/17/21	ISSUE FOR BID
A	08/27/21	ISSUE FOR CLIENT REVIEW



PROJECT
**MORSE INSTITUTE
LIBRARY CHILLER
REPLACEMENT AND
HEATING
ELECTRIFICATION**

SHEET TITLE
**POWER
DEMOLITION
PART PLANS**

PROJECT NO: 210201	ISSUE: BID
DRAWN BY: SJG	DATE: 08/17/2021
CHECKED BY: SJ	DATE: 08/17/2021
SCALE: AS NOTED	SHEET SIZE: E1

ED001

JE-0400

OF STRUCTURAL STEEL FOR

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2

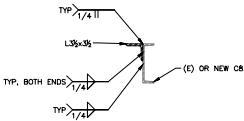
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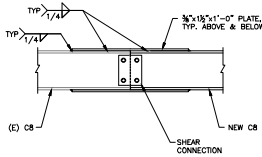
B

EC

o



2 ISOLATOR FOOT SUPPORT ANGLE CONNECTION
SCALE: 1 1/2"=1'-0"



1 BEAM TO BEAM MOMENT CONNECTION
SCALE: 1 1/2"=1'-0"



Johnson Engineering and Design, Inc.
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Wakefield, MA 01880

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for construction unless the signed seal of a
design professional is affixed.

KEY PLAN



REV	DATE	DESCRIPTION

OWNER



Town of Natick
13 E. Central St.
Natick, MA 01760

PROJECT

MORSE INSTITUTE
LIBRARY CHILLER
REPLACEMENT

SHEET TITLE

ROOF DUNNAGE
FRAMING
PLAN & DETAILS

PROJECT NO. 210091	ISSUE: 00
DRAWN BY: CJB	DATE: 9/13/21
CHECKED BY: CJB	DATE: 9/13/21
SCALE: As Indicated	SHEET SIZE: E1

ST101