

Project: HRC Hydronic System Upgrade

August 1, 2019

Addendum #1

Includes: This text, updated drawings including M-300 and sketches of cottages showing radiator valve locations.

Brief description of work:

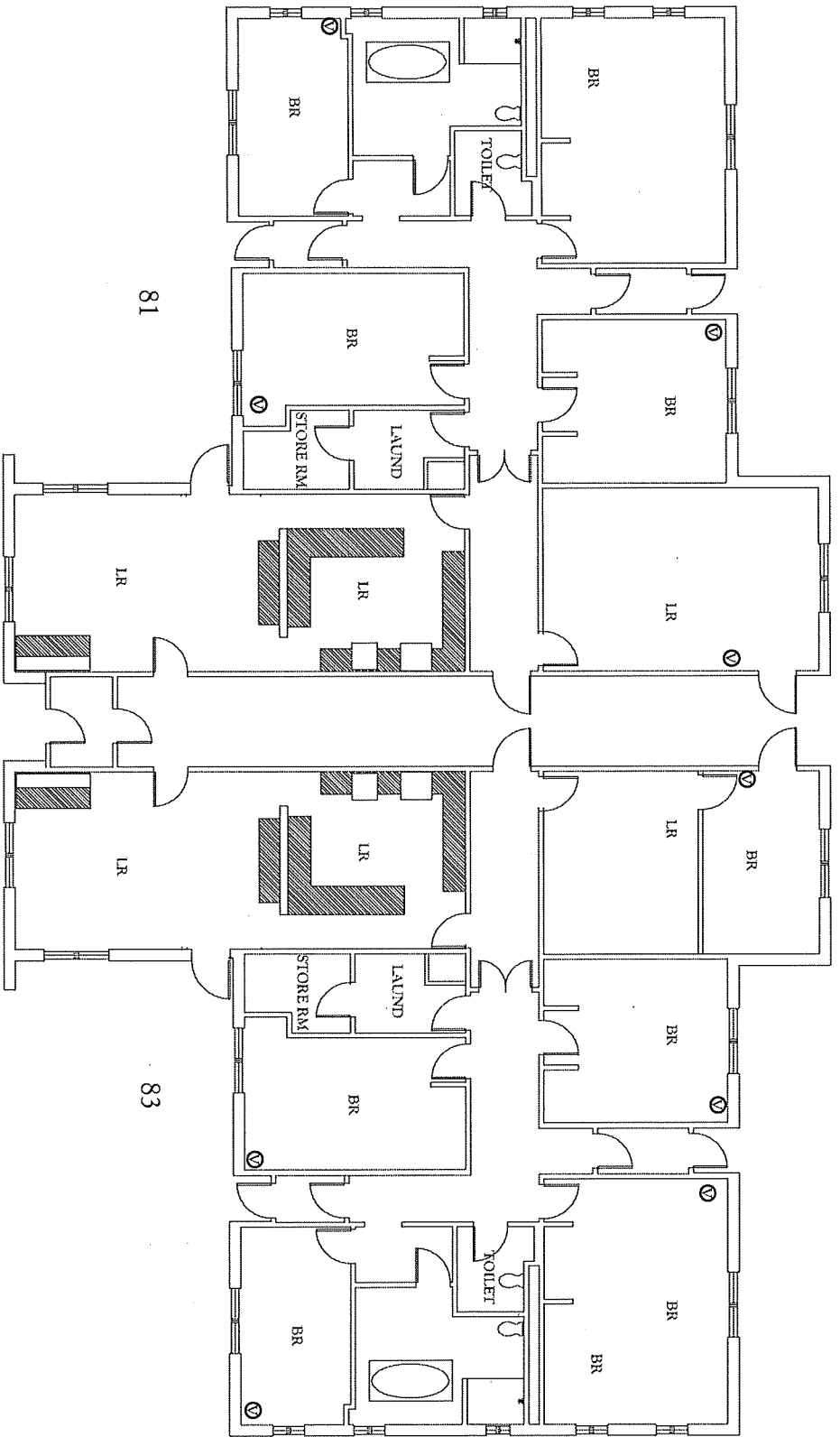
This description is for clarification and is not to supersede the drawings or specifications of the project. Contractor is still responsible for all the work specified in the documents that have not already been performed and for the radiator control valves mentioned at walk through and detailed in this addendum below.

Main Building (71 Mountain Rd)

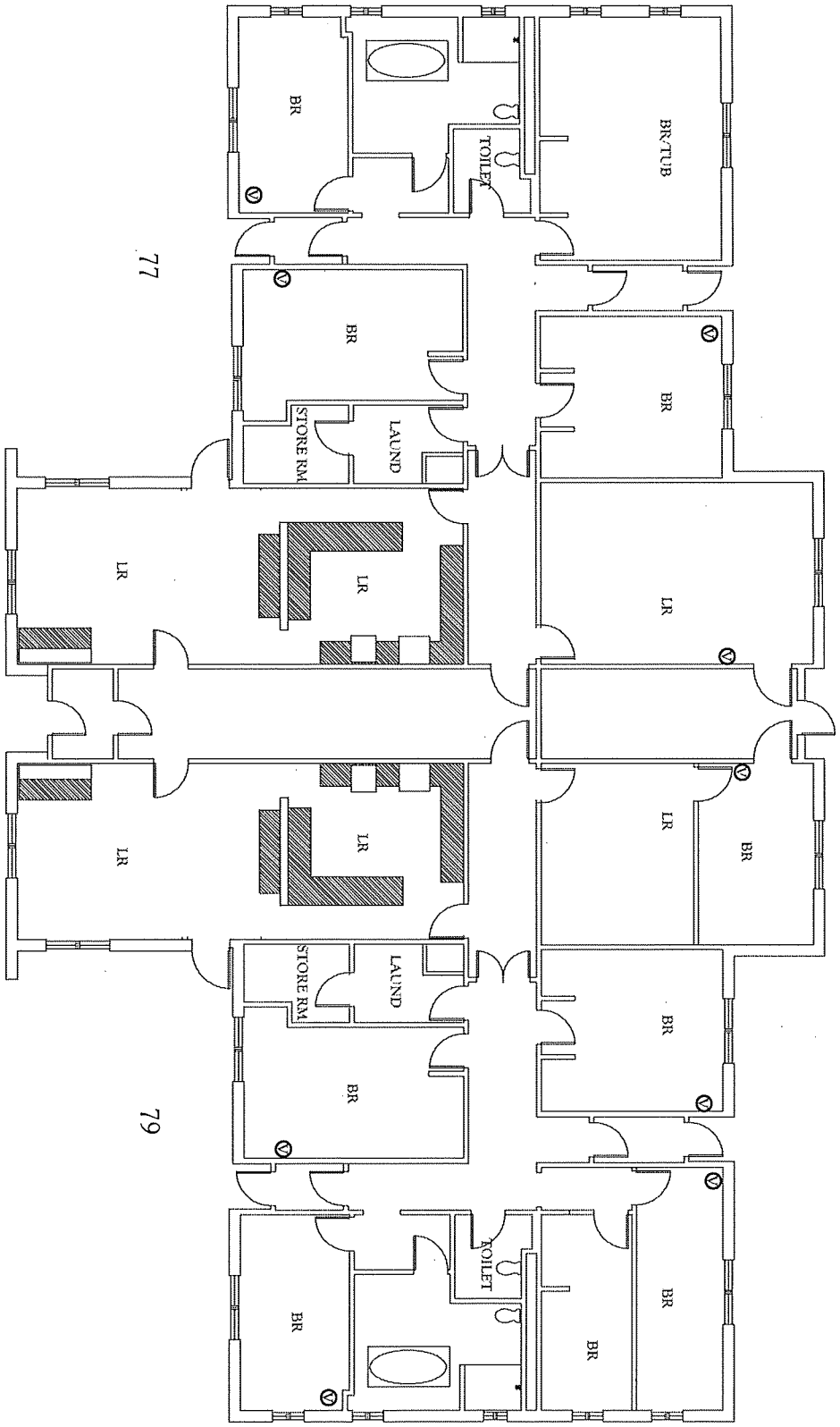
- Supply and install one (1) new Benchmark 750 Aerco boiler per schedule on DWG M-400.
- Re-pipe and reinstall two (2) existing Benchmark 750 Aerco boilers to comply with drawings and specifications.
- Provide all piping, pumps, VFDs and line voltage electrical to comply with drawings and specifications.
- Perform demolition of existing equipment, piping and wiring outlined below.
- Install 26 hydronic control valves, to be supplied by others, in locations show on DWG M-101. Install new shut off valves on radiation as detailed on M-300/10.
- Vestibule unit heaters viewed at walk-thru will not receive control valves or any work.

Existing Equipment Demolition Main Building:

- Disconnect, remove and dispose of two (2) connected 1mbtu Areco gas boilers.



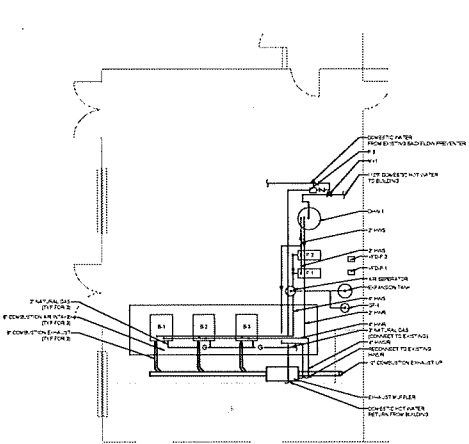
81-83 MOUNTAIN RD (COTTAGE)



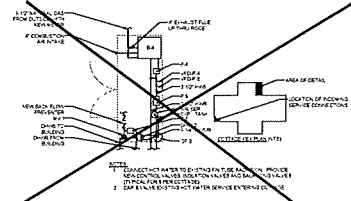
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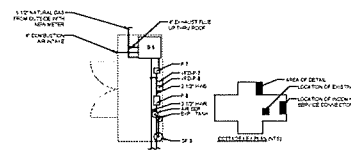
77-79 MOUNTAIN RD (COTTAGE)



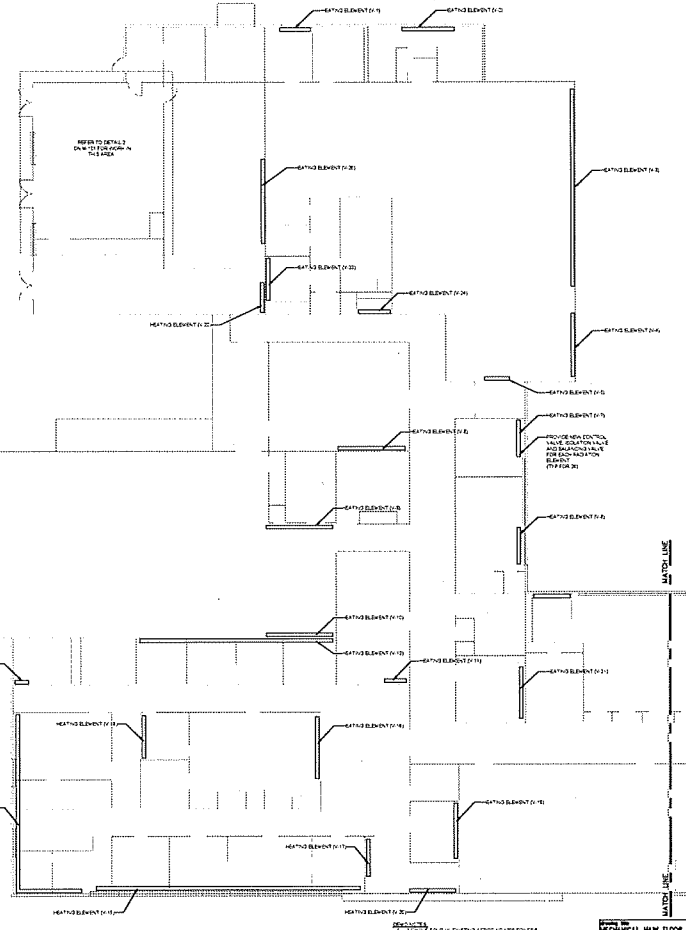
2 ADMIN BUILDING BOILER ROOM
SCALE 1/4" = 1'-0"



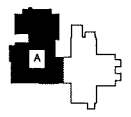
3 77-79 MOUNTAIN RD
SCALE 1/4" = 1'-0"



4 81-83 MOUNTAIN RD
SCALE 1/4" = 1'-0"



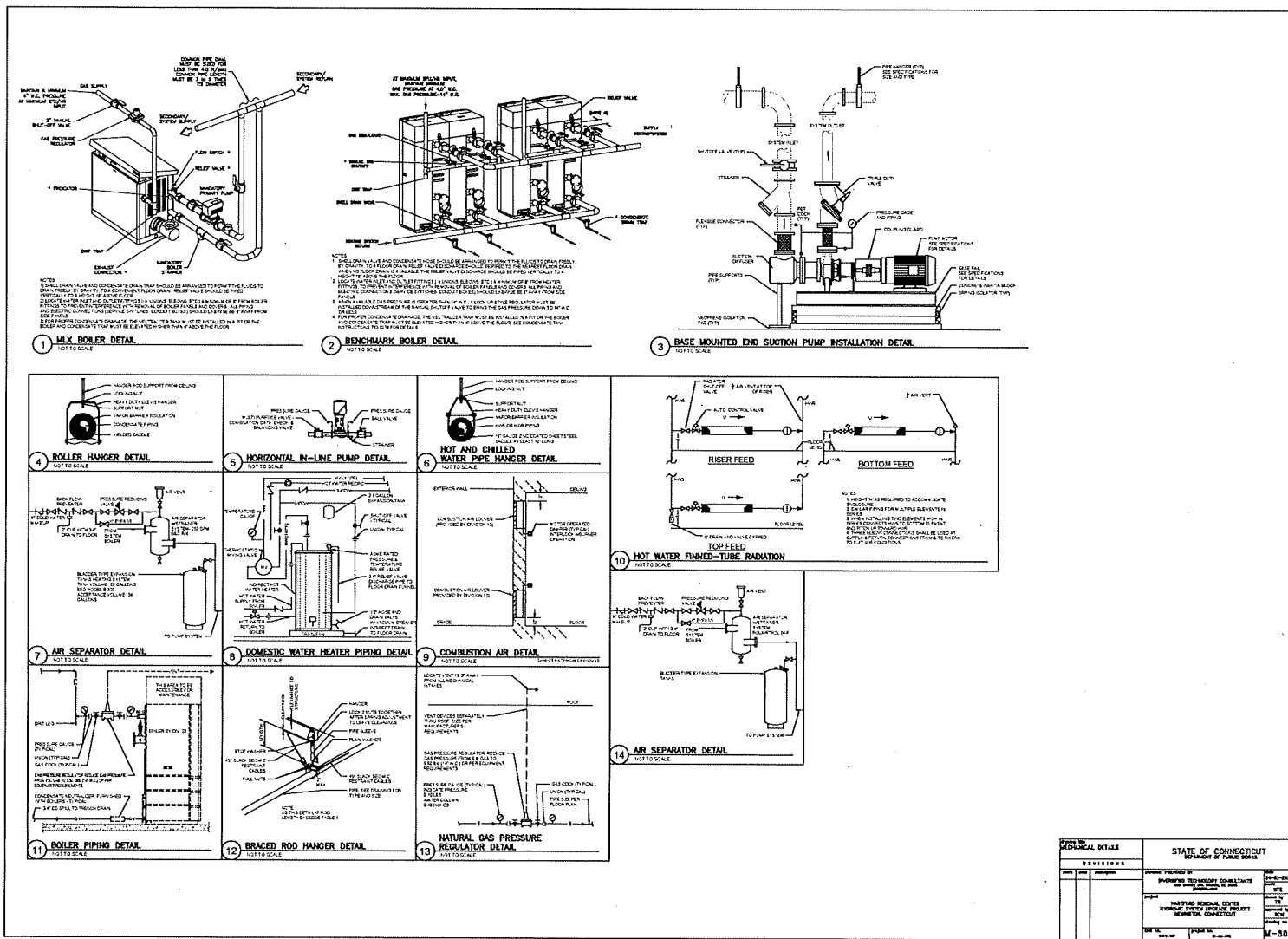
1 MECHANICAL MAIN FLOOR PLAN AREA A
SCALE 1/4" = 1'-0"



REVISIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
No.	Date	Description	By
1			
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PROJECT NUMBER	81-83-883	DATE	10-10-88
PROJECT NAME	STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	SCALE	1/4" = 1'-0"
PROJECT LOCATION	81-83 MOUNTAIN RD MOUNTAIN RD MOUNTAIN, CONNECTICUT	DRAWN BY	TR
PROJECT NO.	81-83-883	CHECKED BY	TR
PROJECT TITLE	MECHANICAL MAIN FLOOR PLAN AREA A	DATE	10-10-88
PROJECT NO.	81-83-883	PROJECT NO.	81-83-883
PROJECT TITLE	MECHANICAL MAIN FLOOR PLAN AREA A	PROJECT TITLE	MECHANICAL MAIN FLOOR PLAN AREA A

81-83 MOUNTAIN RD
 MECHANICAL MAIN FLOOR PLAN AREA A
 SCALE 1/4" = 1'-0"
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 10-10-88



MEDICAL DETAILS			STATE OF CONNECTICUT DEPARTMENT OF PUBLIC SAFETY		
EXHIBITORS			PROJECT PROVIDED BY	DATE	
			INTEGRITY AND RELIABILITY CONSULTANTS		06-20-2022
			PROJECT		1/24
			PROJECT LOCATION		1/24
			DRAWING NUMBER		001
			DRAWING TITLE		001
			DRAWN BY		
			CHECKED BY		
			SCALE		M-300

BOILER SCHEDULE												
UNIT	LOCATION	MANUFACTURER	MODEL	FUEL	ELECTRICAL				REMARKS			
					TYPE	WATT	AMPS	PHASE				
101	BOILER ROOM	AMCO	BOILER	NATURAL GAS	WATER	75	173	120	1			
102	BOILER ROOM	AMCO	BOILER	NATURAL GAS	WATER	75	173	120	1			

NOTES:
 1. PROVIDE W/PT FOLLOWING OPTIONS:
 1.1 1/2" W/PT
 1.2 PRESS. CONTROL
 1.3 1/2" W/PT
 1.4 1/2" W/PT
 1.5 1/2" W/PT
 1.6 1/2" W/PT

2. PROVIDE 1/2" W/PT FOR ALL BOILERS
 3. BOILER SHALL BE IN LINE
 4. CONNECT BOILERS TO BOILER CONTROL SYSTEM BY ELECTRICAL CONTRACTOR
 5. CONTROL ROOMS SHALL BE IN LINE
 6. PROVIDE BOILER W/PT IN LINE OF POWER CONNECTION

7. THE GAS PRESSURE SHALL BE 1/2" W/PT GAS PRESSURE SHALL BE 1/2"

PUMP SCHEDULE												
UNIT	LOCATION	MANUFACTURER	SERVICE	MODEL	TYPE	HP	VOLT	PHASE	REMARKS			
										101	BOILER ROOM	WILCOX
102	BOILER ROOM	WILCOX	WATER PUMP	WATER	1/2	115	1					

NOTES:
 1. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECTS UNDER THE PUMP
 2. PROVIDE 1/2" W/PT
 3. PROVIDE 1/2" W/PT FOR ALL PUMPS
 4. ELECTRICAL CONTRACTOR SHALL PROVIDE BATTERY BACKUP FOR ALL PUMPS
 5. ELECTRICAL CONTRACTOR SHALL PROVIDE BATTERY BACKUP FOR ALL PUMPS
 6. ELECTRICAL CONTRACTOR SHALL PROVIDE BATTERY BACKUP FOR ALL PUMPS
 7. ELECTRICAL CONTRACTOR SHALL PROVIDE BATTERY BACKUP FOR ALL PUMPS

DOMESTIC HOT WATER HEATER SCHEDULE												
UNIT	LOCATION	MANUFACTURER	MODEL	TYPE	DOMESTIC HOT WATER				REMARKS			
					WATER	TEMP.	WATER	WATER				
101	BOILER ROOM	WILCOX	WATER HEATER	WATER	115	115	115	115	1			

NOTES:
 1. PROVIDE 1/2" W/PT
 2. PROVIDE 1/2" W/PT FOR ALL PUMPS
 3. PROVIDE 1/2" W/PT FOR ALL PUMPS
 4. PROVIDE 1/2" W/PT FOR ALL PUMPS
 5. PROVIDE 1/2" W/PT FOR ALL PUMPS
 6. PROVIDE 1/2" W/PT FOR ALL PUMPS
 7. PROVIDE 1/2" W/PT FOR ALL PUMPS

THERMOSTATIC MIXING VALVE SCHEDULE												
NAME	W/PT	MODEL	SERIES	ELECTRICAL	TYPE	WATT	AMPS	PHASE	REMARKS			
										101	BOILER ROOM	WILCOX

GLYCOL FEED SYSTEM SCHEDULE												
UNIT	LOCATION	SERVICE	MANUFACTURER	MODEL	TYPE	WATT	AMPS	PHASE	REMARKS			
										101	BOILER ROOM	WILCOX

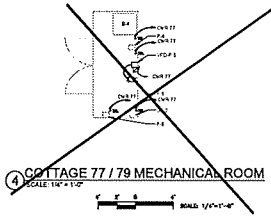
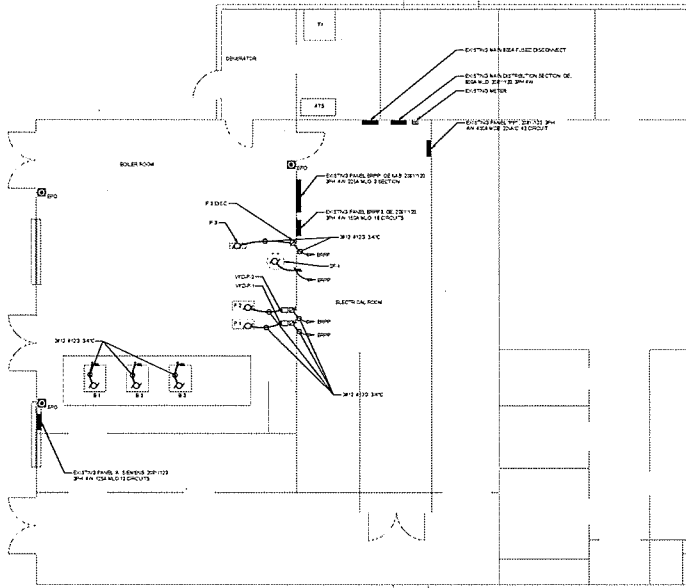
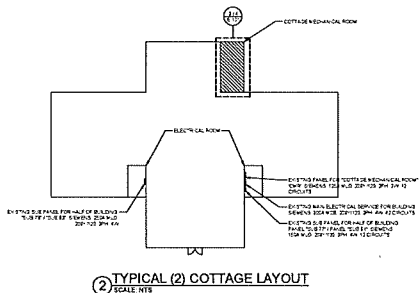
NOTES:
 1. PROVIDE 1/2" W/PT
 2. PROVIDE 1/2" W/PT FOR ALL PUMPS
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 6. PROVIDE 1/2" W/PT FOR ALL PUMPS
 7. PROVIDE 1/2" W/PT FOR ALL PUMPS

STATE OF CONNECTICUT - DEPARTMENT OF PUBLIC SAFETY
 11/11/2010

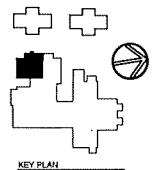
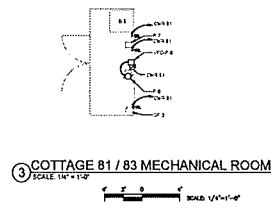
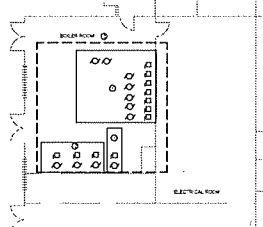
REVISIONS			STATE OF CONNECTICUT DEPARTMENT OF PUBLIC SAFETY	
NO.	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY

DRAWN BY: []
 CHECKED BY: []
 PROJECT: []
 SHEET NO.: []
 TOTAL SHEETS: []
 SCALE: []

- GENERAL ELECTRICAL NOTES**
- BOILER, METAL MAIN DISCONNECT SWITCH AND EXTENDED SWITCHES CIRCUITS
 - REMOVE ALL METAL DISCONNECT SWITCH CIRCUIT BREAKERS AND ASSOCIATED PANELS TO 30" DIA.
 - METAL FUSES IN EMERGENCY BOILER POWER OFF SWITCHES REFER TO ELECTRICAL PANELS



- DEMO NOTES**
- PLUMBING TO BE REMOVED ALL ELECTRICAL DISCONNECTS, METAL MAIN DISCONNECT SWITCHES TO BE DISCONNECTED AND REFER TO ELECTRICAL PANELS
 - REMOVE BOILER TO BE REPLACED BY NEW DISCONNECT AND BOILER WITH 30" DIA. CIRCUIT BREAKER TO BE DISCONNECTED FOR REMOVAL
 - REFER TO MECHANICAL DRAWINGS FOR ANY CHANGES AND LOCATION OF PLUMBING BOILER TO BE REMOVED AND REFERRED

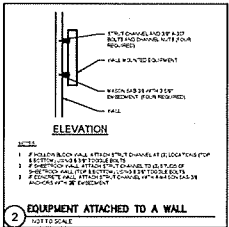
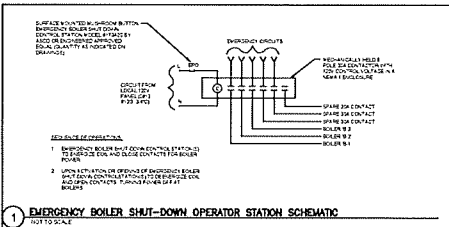


DATE		REVISIONS	STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
NO.	DESCRIPTION		DESIGNED BY	ISSUE NO.
			DESIGNED BY: [Name]	ISSUE NO.: [Number]
			DESIGNED BY: [Name]	ISSUE NO.: [Number]
			DESIGNED BY: [Name]	ISSUE NO.: [Number]

PROJECT NO. [Number] DRAWING NO. [Number] SHEET [Number] OF [Number]

EQUIPMENT	SOURCE PANEL	OCP DEVICE	BRANCH CIRCUIT	DISCONNECT		STARTER			LOAD			
				TYPE	FINISHED	TYPE	FINISHED	INSTALLED	HP	FLA	PH VOLT	
B1	1-A	ED	ED	STN	E-DV-3	E-DV-3				10	1	100
B2	1-A	ED	ED	STN	E-DV-3	E-DV-3				10	1	100
B3	1-A	ED	ED	STN	E-DV-3	E-DV-3				10	1	100
B4	DN117	SA/F	3M3 F103 34C	STN	E-DV-3	E-DV-3				14	1	100
B5	DN111	SA/F	3M3 F103 34C	STN	E-DV-3	E-DV-3				14	1	100
B6	BNP	ISAP	3M3 F103 34C	STN	E-DV-3	E-DV-3				17	1	100
B7	DN117	SA/F	3M3 F103 34C	STN	E-DV-3	E-DV-3				17	1	100
B8	DN111	SA/F	3M3 F103 34C	STN	E-DV-3	E-DV-3				17	1	100
B9	BNP	ISAP	3M3 F103 34C	FUSE/DEF	E-DV-3	E-DV-3	STD	E-DV-3	E-DV-3	7	1	250
B10	BNP	ISAP	3M3 F103 34C	FUSE/DEF	E-DV-3	E-DV-3	STD	E-DV-3	E-DV-3	7	1	250
B11	BNP	ISAP	3M3 F103 34C	FUSE/DEF	E-DV-3	E-DV-3	STD	E-DV-3	E-DV-3	13	1	250
B12	DN111	SA/F	3M3 F103 34C	STN	E-DV-3	E-DV-3				13	1	100
B13	DN111	SA/F	3M3 F103 34C	STN	E-DV-3	E-DV-3				13	1	100
B14	DN111	SA/F	3M3 F103 34C	STN	E-DV-3	E-DV-3				13	1	100

ABBREVIATIONS:
 ED - EMERGENCY SHUT-DOWN SYSTEM
 STD - STANDARD PROVISION DRIVE



ELECTRICAL SCHEMATICS AND DETAILS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC SAFETY	
NO.	DATE	REVISIONS	BY

DESIGNED BY: [Name]
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DATE: [Date]

Connecticut Statewide Electrical Code - 2014 Edition
 Chapter 19 - Electrical
 Section 19-105 - Emergency Stop System
 Page 19-105