COPYRIGHT: THE H.L. TURNER GROUP INC. 2025



MILESTONE

1 Horseshoe Pond Lane Concord, NH 03302 t: 603.226.3877 f: 603.226.3361 www.milestoneengcon.com

PROJECT TITLE / ADDRESS: BARNSTEAD ELEMENTARY SCHOOL

**KEY PLAN:** 

ADDITION/ RENOVATION

91 MAPLE STREET CENTER BARNSTEAD, NH 03225

CONSTRUCTION DOCUMENTS 05/20/2025

PROJ. NO.:	5199	STAMP WINDING
SCALE:		THE THAMPS
DESN. BY:	MJB	STAMP  WEW HAMPO  THOMAS  W.  BETTERIDGE  No. 13988  CENSE  ONAL  STAMP  THOMAS  W.  BETTERIDGE  No. 13988
DRAWN BY:	MJB	No. 13988
CHKD BY:	TWB	CENSE
ISSUE DATE:	05/20/2025	WHITINATURA TOO
REVISIONS		

SCHEDULES

M6.3

							FINT	UBE RADIATIO	N SCHE	DULE								
TAG	CADACITY (DTULI) E	DATED EL OVAL (CDM)	AVC WATER TEMP (DEC. E)	NUMBER TIERS			ELEMI	ENT						ENCLOSURE			MANUFACTURER	NOTES
IAG C	CAPACITY (BTUH/LF)	RATED FLOW (GPM)	AVG. WATER TEMP (DEG. F)	NUMBER HERS	MODEL	TUBE MAT'L	TUBE SIZE (IN.)	FIN SIZE (IN.)	FPF	FIN THICK (IN.)	STYLE	TYPE	FRONT GAUGE	DEPTH (IN.)	HEIGHT (IN.)	INSTALLED HEIGHT (IN.)	- WANUFACTURER	NOIES
FR-1	1320	1.5	150	2	C3/4-435	COPPER	3/4	4.25x3.625	50	0.02	-	SLOPED		3.25	-	-	STERLING	1,2,3,4
FR-2	1030	4.8	150	2	JVB-SS	COPPER	1"	4.25x3.625	50	0.02	-	DOUBLE SLOPED	14	5-5/16	29-1/2	-	STERLING	1,2,3,4
GENERAL	NOTES:													•				
1. RATING	S AT WATER VELOCITY SCHED	ULED. SEE FLOOR PLAN FOR FLO	OW RATE (GPM) FOR EACH SETTING OF FIN	ITUBE.														
2. SCHEDI	JLED-GAUGE FRONT PANELS, E	BACKPLATES. PROVIDE END CAP	S, WALL SLEEVES, INSIDE AND OUTSIDE C	ORNERS, AND VALVE CON	MPARTMENTS.	PROVIDE ACCESS (	COVERS AT VALVES AND	VENTS.										
3. ELEMEN	NTS OF COPPER TUBES EXPAN	DED INTO ALUMINUM FINS.																

CABINET UNIT HEATER & WALL HEATER SCHEDULE HEATING **HOT WATER ELECTRIC** SIZE L x W x H TAG LOCATION AIRFLOW (CFM) **FAN SPEED BALANCE MOUNTING HEIGHT AFF (IN.)** MOUNTING **MANUFACTURER** MODEL COIL **NOTES** EAT (DEG. F) RATED (GPM) (IN.) EWT (DEG. F) | WPD (FT WG) | VOLTS | PH | HZ | HP | FLA (AMPS) CUH-1 313 70 1.31 1.2 150 2'-3 7/8"x 1'- 9 5/16"x 10 1/16" CEILING RECESSED TRANE VESTIBULE D193 HIGH 19.6 120 1 60 0.22 3.1 CEILING FFEB-030 2HC 2'-3 7/8"x 1'- 9 5/16"x 10 1/16" CUH-2 VESTIBULE D197A 313 HIGH 19.6 70 1.31 1.2 150 120 1 60 0.22 3.1 CEILING CEILING RECESSED TRANE FFEB-030 2HC CUH-3 CORRIDOR G196 313 HIGH 19.6 70 150 1 60 0.22 3.1 CEILING CEILING RECESSED TRANE FFEB-030 1.31 1.2 2'-3 7/8"x 1'- 9 5/16"x 10 1/16" CUH-4 313 70 1 60 0.22 2'-3 7/8"x 1'- 9 5/16"x 10 1/16" CEILING RECESSED TRANE CORRIDOR G197 19.6 1.31 1.2 150 120 3.1 CEILING FFEB-030 2HC CUH-5 VESTIBULE D196 313 19.6 70 1.31 1.2 150 120 1 60 0.22 3.1 2'-3 7/8"x 1'- 9 5/16"x 10 1/16" CEILING CEILING RECESSED TRANE FFEB-030 2HC TRANE CUH-6 VESTIBULE H199 313 HIGH 19.6 70 1.31 1.2 150 1 60 0.22 3.1 2'-3 7/8"x 1'- 9 5/16"x 10 1/16" CEILING CEILING RECESSED FFEB-030 2HC CUH-7 313 3.1 LOBBY H198 HIGH 19.6 70 1.31 1.2 150 120 1 60 0.22 2'-3 7/8"x 1'- 9 5/16"x 10 1/16" CEILING CEILING RECESSED TRANE FFEB-030 2HC TRANE 313 19.6 70 3.1 CUH-8 CORRIDOR G198 HIGH 1.31 1.2 150 120 2'-3 7/8"x 1'- 9 5/16"x 10 1/16" CEILING CEILING RECESSED FFEB-030 2HC TRANE CUH-9 VESTIBULE D197 313 19.6 70 1.31 1 60 0.22 3.1 2'-3 7/8"x 1'- 9 5/16"x 10 1/16" CEILING CEILING RECESSED FFEB-030 150 TRANE CUH-10 VESTIBULE H200 313 19.6 70 1.31 1.2 120 60 0.22 3.1 2'-3 7/8"x 1'- 9 5/16"x 10 1/16" CEILING CEILING RECESSED FFEB-030 1. PROVIDE WITH TAMPED BOTTOM INLET AND OUTLET LOUVERS

GENERAL NOTES: 1. RATED TEMPERATURE AS SCHEDULED.

2. SPEED CONTROL AND DISCONNECT SWITCH, MOUNT AND WIRE IN ENCLOSURE.

4. COLOR SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLOR CHART.

3. MOUNTING HEIGHTS ARE FROM FLOOR TO BOTTOM OF UNIT.

4. ENAMEL FINISH, COLOR SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLOR CHART HARD COPY.



The H.L. Turner Group Inc.

27 Locke Rd. Concord, New Hampshire 03301 t:603.228.1122 hlturner.com

ARCHITECTS • ENGINEERS • BUILDING SCIENTISTS

COPYRIGHT: THE H.L. TURNER GROUP INC. 2025

© "Electronic images of these documents may be used for the purpose of expediting shop drawings and coordination drawings for this project only - except as excluded by individual specifications (e.g. Structural steel). It shall be unlawful to use them for any other purpose. The Architect's or Engineer's seals shall not appear on any documents that are modified by others. The Architect shall bear no responsibility for any modifications to the original documents by others."



## MILESTONE

ENGINEERING & CONSTRUCTION, INC.

1 Horseshoe Pond Lane
Concord, NH 03302
t: 603.226.3877
f: 603.226.3361
www.milestoneengcon.com

KEY PLAN:

PROJECT TITLE / ADDRESS:

BARNSTEAD ELEMENTARY
SCHOOL

ADDITION/ RENOVATION

91 MAPLE STREET CENTER BARNSTEAD, NH 03225

ISSUE:

CONSTRUCTION DOCUMENTS 05/20/2025

PROJ. NO.:	5199	STAMP NINGHAMA
SCALE:		THOP NEW PLANTS
DESN. BY:	MJB	N. BETTERINGE
DRAWN BY:	MJB	No. 13988
CHKD BY:	TWB	STAMP  STAMP  STAMP  NEW HAMP  THOMAS  W.  BETTERIDGE  No. 13988  W.  STAMP  STAMP  THOMAS  W.  BETTERIDGE  No. 13988
ISSUE DATE:	05/20/2025	THE NAL TOPPOS
DEVISIONS		

REVISIONS

SHEET TITLE:

SCHEDULES

M6.4

**AIR SIDE HOT WATER SIDE DUCT CONNECTION SIZE SERVES** AIRFLOW (CFM) MANUFACTURER MODEL DRY WEIGHT (LBS) NOTES EWT/LWT (DEG. F.) PRESSURE DROP (FT. W.C.) WxH(IN) FLUID TOTAL CAPACITY (MBH) EAT DB/WB (DEG. F) LAT DB (DEG. F) FINS PER FOOT ROWS AIR VELOCITY (FPM) PRESSURE DROP (IN. W.G.) TUBE VELOCITY (FT/SEC) HC-1 ERV-1 49.5/39.4 539 0.19 2.8 150/130 2.95 3.6 WATER AEROFIN HWP-13.0 AF 14x10.5 550 27.0 95 21 57.0 46.3/37.2 95.4 0.21 150/130 24x12 ERV-2 4.1 WATER AEROFIN HW-12.0 OAS ERV-3 1440 75.8 46.4/37.3 95.1 532 0.21 150/130 2.75 3.4 JOHNSON CONTROLS HW-12.0 OAS 26x16 HC-4 TEAMS SPACE RM D1 600 20.3 96.3 514 0.14 150/130 2.20 5.4 WATER JOHNSON CONTROLS HWP13.0 AF 16x10.5 HC-5 GUIDENCE OFFICES 5.0 95.7 0.03 150/130 0.50 10x9 150 240 0.5 0.1 WATER JOHNSON CONTROLS HWP-12.0 AS 13 NOTES:

**HEATING COIL SCHEDULE** 

1. COILS SHALL HAVE COPPER TUBES WITH ALUMINUM FINS, THREADED CARBON STEEL CONNECTIONS AND GALVANIZED CASINGS.

								UN	IT HEAT	ΓER SCH	EDULE								
			F.A	AN	HEA	TING	ŀ	OT WATE	R			ELECTRI	С		MAX.				
TAG	LOCATION	AIRFLOW (CFM)	SPEED	RPM	МВН	EAT (DEG. F)	GPM	EWT (DEG. F)	WPD (FT WG)	VOLTS	PH	HZ	WATTS	НР	HEIGHT AFF (FT)	THROW (FT)	MANUFACTURER	MODEL	NOTES
UH-1	FACILITIES	395	HIGH		13	60	1.9	150	2.2	120	1	60	16	-	8	20	TRANE	UHS-18	1,2
UH-2	MECH G5	396	HIGH		13	60	1.9	150	2.2	120	1	60	16	-	8	20	TRANE	UHS-19	1,2
GENERAL	NOTES:																		

SPEED CONTROLLER, MOUNTED ON HEATER AND WIRED TO MOTOR, FOR REDUCING AIRFLOW AND NOISE, INITIAL SETTING AT FULL SPEED.
 MASON INDUSTRIES DOUBLE- DEFLECTION NEOPRENE HANGERS AT TOP OF RODS.

Λ

\_\_\_\_

F

E

F



The H.L. Turner Group Inc.

27 Locke Rd. Concord, New Hampshire 03301 t:603.228.1122 hlturner.com

ARCHITECTS • ENGINEERS • BUILDING SCIENTISTS

COPYRIGHT : THE H.L. TURNER GROUP INC. 2025 © "Electronic images of these documents may be used for the purpose of expediting shop drawings and coordination drawings for this project only - except as excluded by individual specifications (e.g. Structural steel). It shall be unlawful to use them for any other purpose. The Architect's or Engineer's seals shall not appear on any documents that are modified by others. The Architect shall bear no responsibility for any modifications to the original documents by others."



## MILESTONE

ENGINEERING & CONSTRUCTION, INC. 1 Horseshoe Pond Lane Concord, NH 03302 t: 603.226.3877 f: 603.226.3361 www.milestoneengcon.com

KEY PLAN:

PROJECT TITLE / ADDRESS: BARNSTEAD ELEMENTARY SCHOOL

ADDITION/ RENOVATION

91 MAPLE STREET CENTER BARNSTEAD, NH 03225

CONSTRUCTION DOCUMENTS 05/20/2025

PROJ. NO.:	5199	STAMP NINGHAMA
SCALE:		THOP NEW HAMPSHILL
DESN. BY:	MJB	STAMP  WEW HAMPONIC THOMAS  W.  BETTERIDGE  No. 13988  W.  CENSE  OR  OR  OR  OR  OR  OR  OR  OR  OR  O
DRAWN BY:	MJB	No. 13988
CHKD BY:	TWB	CENSE
ISSUE DATE:	05/20/2025	THE WALL TOPZOZ
DEVISIONS		

SCHEDULES

M6.5

	CAPACITY	BALANCE	AVERAGE	ROOM	COIL	PANEL				NOTES
TAG	(BTU)	FLOW	WATER TEMP	TEMP	TUBING	WIDTH	LENGTH	MANUFACTURER	MODEL	
RCP-1		(GPM)	(DEG.F)	(DEG.F)	PASSES	(IN)	(IN)			
RCP-1	580	0.8	150	70	6	24	24	STERLING	MODULAR	1-6
RCP-2	580	0.8	150	70	6	24	24	STERLING	MODULAR	1-6
RCP-3	580	0.8	150	70	6	24	24	STERLING	MODULAR	1-6
RCP-4	580	0.8	150	70	6	24	24	STERLING	MODULAR	1-6
RCP-5	580	0.8	150	70	6	24	24	STERLING	MODULAR	1-6
RCP-6	580	0.8	150	70	6	24	24	STERLING	MODULAR	1-6
RCP-7	580	0.8	150	70	6	24	24	STERLING	MODULAR	1-6
RCP-8	580	0.8	150	70	6	24	24	STERLING	MODULAR	1-6
RCP-9	1160	1	150	70	60	24	48	STERLING	MODULAR	1-6
RCP-10	1160	1	150	70	60	24	48	STERLING	MODULAR	1-6
RCP-11	1160	1	150	70	60	24	48	STERLING	MODULAR	1-6
RCP-12	1160	1	150	70	60	24	48	STERLING	MODULAR	1-6
RCP-13	580	0.8	150	70	6	24	24	STERLING	MODULAR	1-6
RCP-14	1160	1	150	70	60	24	48	STERLING	MODULAR	1-6
RCP-15	580	0.8	150	70	6	24	24	STERLING	MODULAR	1-6
RCP-16	1160	1	150	70	60	24	48	STERLING	MODULAR	1-6
RCP-17	580	0.8	150	70	6	24	24	STERLING	MODULAR	1-6
RCP-18	1160	1	150	70	60	24	48	STERLING	MODULAR	1-6
RCP-19	580	0.8	150	70	6	24	24	STERLING	MODULAR	1-6
RCP-20	1160	1	150	70	60	24	48	STERLING	MODULAR	1-6
RCP-21	1160	1	150	70	60	24	48	STERLING	MODULAR	1-6
RCP-22	1160	1	150	70	60	24	48	STERLING	MODULAR	1-6
RCP-23	1160	1	150	70	60	24	48	STERLING	MODULAR	1-6
RCP-24	1160	1	150	70	60	24	48	STERLING	MODULAR	1-6
GENERA	L NOTES:									<u> </u>

3. COPPER TUBE HEATING COIL MECHANICALLY FASTENED TO SURFACE PANEL.

5. COIL ENDS CURVED UPWARD TO RECEIVE FIELD ATTACHMENT. PROVIDE FLEXIBLE HOSE KIT.

4. FULL LENGTH ALUMINUM HEAT TRANSFER SADDLES WITH CADMIUM PLATE STEEL COILS CLIPS AND HEAT TRANSFER PASTE.

6. FIELD FURNISH FOR FACED FIBERGLASS BLANKET INSULATION NOMINAL 1-1/2 INCHES AND INSTALL OVER THE TOP OF COIL.