TOWN OF GLASTONBURY GL-2017-39 NEW ADDITION GLASTONBURY TOWN HALL ADDENDUM NO. 1 August 11, 2017

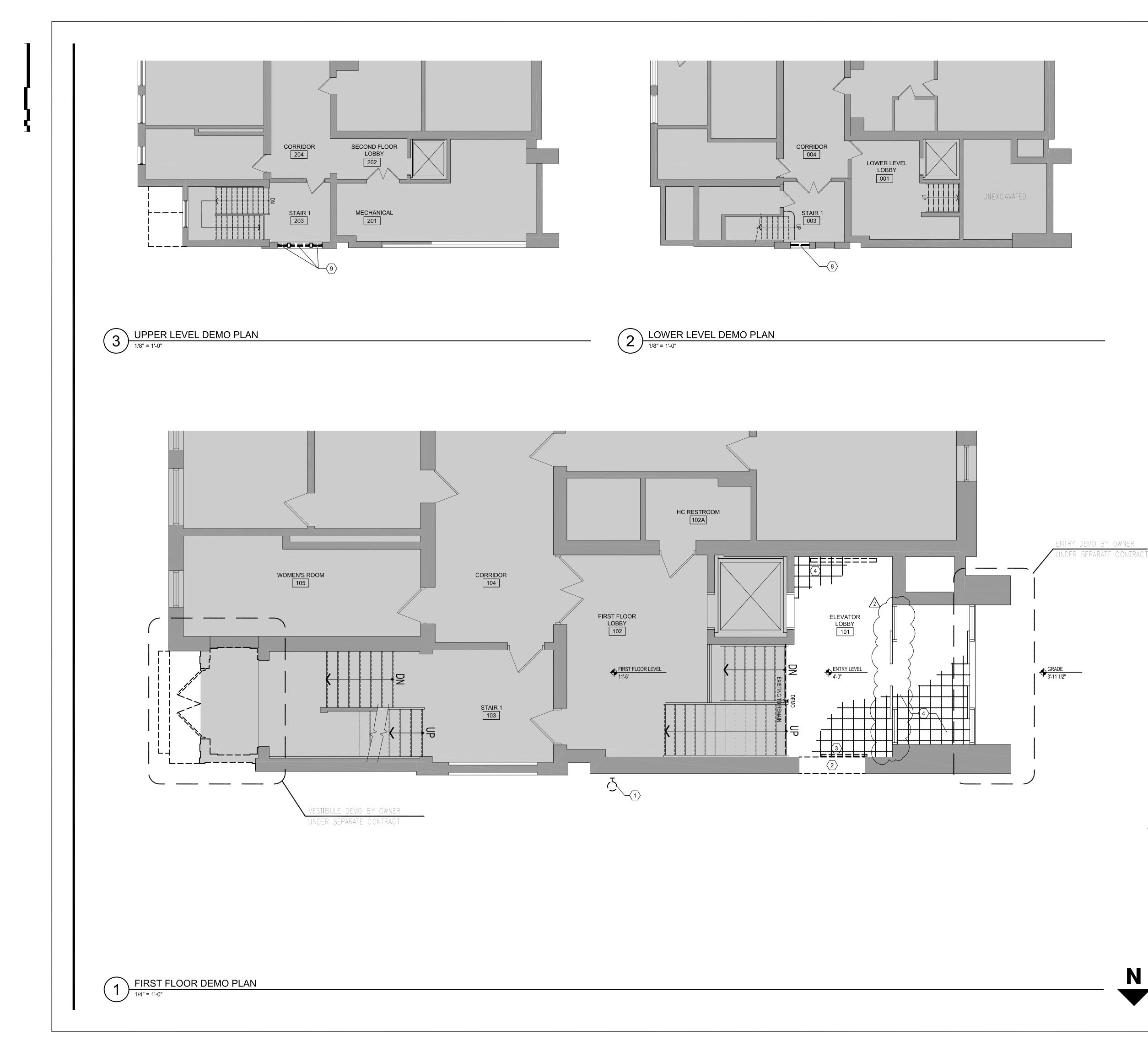
Bid Due Date: August 22, 2017 @ 11:00 A.M.

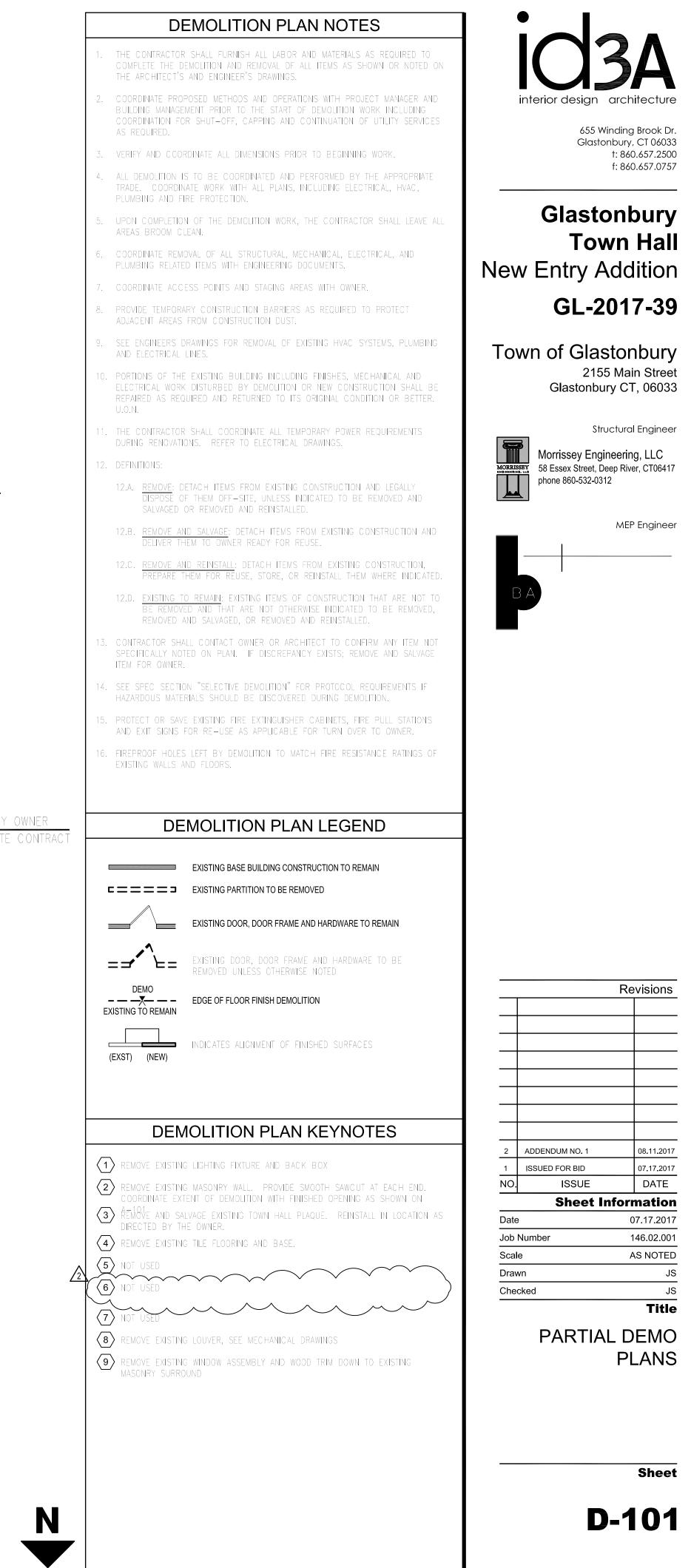
The attention of bidders submitting proposals for the above-referenced project is called to the following Addendum to the specifications. The items set forth herein, whether of omission, addition, substitution or other change, are all to be included in and form a part of the proposed Contract Documents for the work. Bidders shall acknowledge this Addendum on the Bid Proposal Page (BP-1).

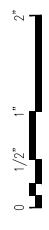
QUESTION & ANSWERS:

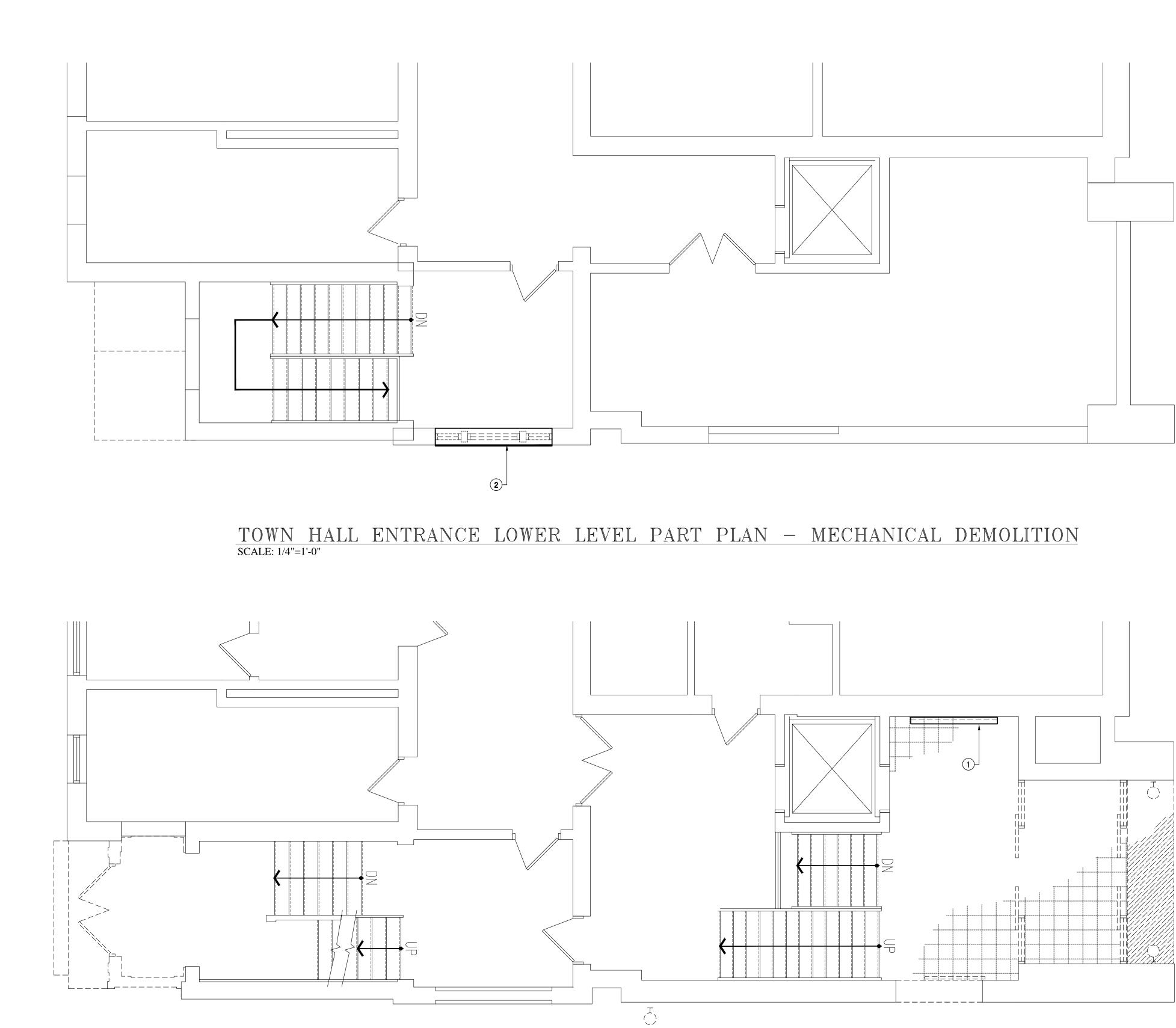
It was mentioned at pre-bid a completion date of this year 2017. I find no such duration in the project documents. Since project requirements, crew sizes and sub commitments are required, we would appreciate a statement on the duration that applies to all bidders?
Please refer to the bid documents in section 08.00 TIME FOR COMPLETION/NOTICE TO PROCEED of the Special Conditions (Page SC-2) for this information.
<i>Kindly confirm that front east entry (both demo and all new work) is by Town?</i> Correct.
 Kindly confirm that in existing and renovated Elevator Lobby 101 that our GC bid work is limited to: a. removal and salvage of existing sliding door assembly b. removal and replacement of exiting tile floor and base c. Modifications to wall surround for new, cased, North entry into lobby 100 d. There is no ceiling ACT or painting work Existing interior sliding vestibule door removal will be by owner under separate project. All other items are correct. Drawing D101 has been revised as per the attached.
Please confirm if Item #9 on 3/D101 (window removal and infill) is part of our GC work? Correct.
<i>Where does "Typical Concrete Wall Opening Detail" apply to?</i> Typical Concrete Wall opening detail is not used anywhere specifically but is included in case something large needs to run through the foundation. It may not be used at all.
On S-200, there are several wall cuts that refer to details on S-310, but there isn't a drawing by that name in the set. Will one be issued? All references to S310 should be to S400. There is no sheet S310.
<i>Is there any way you can release the mechanical and electrical drawings. My subs need some info from those?</i> The Mechanical and Electrical drawings have been posted to the Town's website <u>for</u> <u>information only</u> , as Mechanical and Electrical is not part of the scope of work for this project. Coordination with Owner's separate projects will be required as per Section 024119-2. Drawings will be provided to the selected vendor upon request.

Note: This addendum consists of 1 page and 8 pages of drawings as noted above in questions 3 & 7.





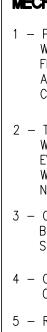




SCALE: 1/4"=1'-0"

TOWN HALL ENTRANCE UPPER LEVEL PART PLAN - MECHANICAL DEMOLITION







GENERAL DEMOLITION NOTES

1 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITY LINES INCLUDING ELECTRICAL, SEWER, WATER, GAS, TELEPHONE, ETC. THE DRAWINGS SHOW DIAGRAMMATICALLY THE APPROXIMATE LOCATION OF UTILITIES WHERE INFORMATION IS AVAILABLE, BUT THE DRAWINGS ARE NOT EXACT AS TO THE QUANTITY, EXTENT OR LOCATION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING ALL PHASES OF THE WORK TO LOCATE, IDENTIFY, AND PROTECT EXISTING UTILITIES. THE CONTRACTOR SHALL RECORD LOCATION OF AND REPAIR DAMAGE TO EXISTING UTILITIES WHICH ARE ENCOUNTERED AS A RESULT OF WORK UNDER THIS CONTRACT.

2 - ANY EQUIPMENT REMOVED DURING DEMOLITION WORK MAY BE RETAINED BY THE OWNER AT HIS OPTION. ANY SUCH MATERIAL SHALL BE STORED IN THE BUILDING AT A LOCATION DESIGNATED BY THE OWNER. REMOVAL OF SUCH MATERIAL FROM THE JOB SITE SHALL BE THE OWNER'S RESPONSIBILITY.

MECHANICAL DEMOLITION WORK NOTES

- PRIOR TO SUBMITTING BID, VISIT THE SITE AND IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK TO BE PERFORMED. CONTRACTOR SHALL MEASURE, RECORD AND SUBMIT WATER FLOWS PRIOR TO COMMENCING ANY DEMOLITION WORK. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY CONSTRUED BY EXPERIENCED OBSERVERS. INCLUDE IN THE BID ALL DEMOLITION WORK REQUIRED.

- THE DEMOLITION DRAWINGS ARE INTENDED ONLY TO DEFINE THE GENERAL SCOPE OF DEMOLITION WORK AND TO ASSIST THE CONTRACTOR DURING BIDDING. THE DEMOLITION DRAWINGS MAY NOT SHOW EVERY ITEM WHICH MUST BE DISCONNECTED, REMOVED, OR RELOCATED IN ORDER TO FACILITATE NEW WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED WHETHER OR NOT SHOWN ON THE PLANS.

3 - COORDINATE AND SCHEDULE ALL WORK WITH THE OWNER TO MINIMIZE INCONVENIENCE TO THE BUILDING OCCUPANTS. ALL SERVICES AND SYSTEMS SERVING OCCUPIED AREAS OF THE BUILDING SHALL BE MAINTAINED IN OPERATION DURING WORKING SHIFTS.

4 - CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY WORK REQUIRED TO KEEP THE BUILDING OCCUPIED DURING CONSTRUCTION.

5 – REMOVE ALL DEMOLITION MATERIAL FROM THE JOB SITE UNLESS NOTED DIFFERENTLY. 6 - CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF EXISTING MECHANICAL EQUIPMENT.

- MECHANICAL DEMOLITION WORK SYMBOLS -

KEY NOTES DESCRIBE IN GENERAL THE SCOPE OF EQUIPMENT REMOVED. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH NEW WORK PLANS PRIOR TO REMOVING THE ITEM.

ACTION EXISTING CABINET UNIT HEATER SHALL REMAIN. CLEAN AND DISINFECT COIL. EXISTING CONTROL VALVE AND ISOLATION VALVES SHALL BE REPLACED.

EXISTING LOUVER AND DUCTWORK CONNECTED TO THE LOUVER SHALL BE REMOVED. TEMPORARILY CAP REMAINING DUCTWORK FOR FUTURE CONNECTION. EXISTING LOUVER SHALL BE RELOCATED AND BLOCKED OFF WITH METAL INSULATING PANEL. DAMPER AND ACTUATOR SHALL BE REMOVED. CONTRACTOR TO FIELD VERIFY EXISTING.

KEY PLAN



	3A
interior design	architecture

655 Winding Brook Dr. Glastonbury, CT 06033 t: 860.657.2500 f: 860.657.0757

Glastonbury Town Hall New Entry Addition GL-2017-39

Town of Glastonbury

2155 Main Street Glastonbury CT, 06033

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MORRISSEY	58
	pho

Norrissey Engineering, LLC 8 Essex Street, Deep River, CT06417 hone 860-532-0312

MEP Engineer

Structural Engineer

BEMIS | ASSOCIATES, LLC Consulting Engineers

185 Main Street Farmington, Ct 06032 (860) 667–3233 Fax: (860) 321–7070 www.bemisassociates.com

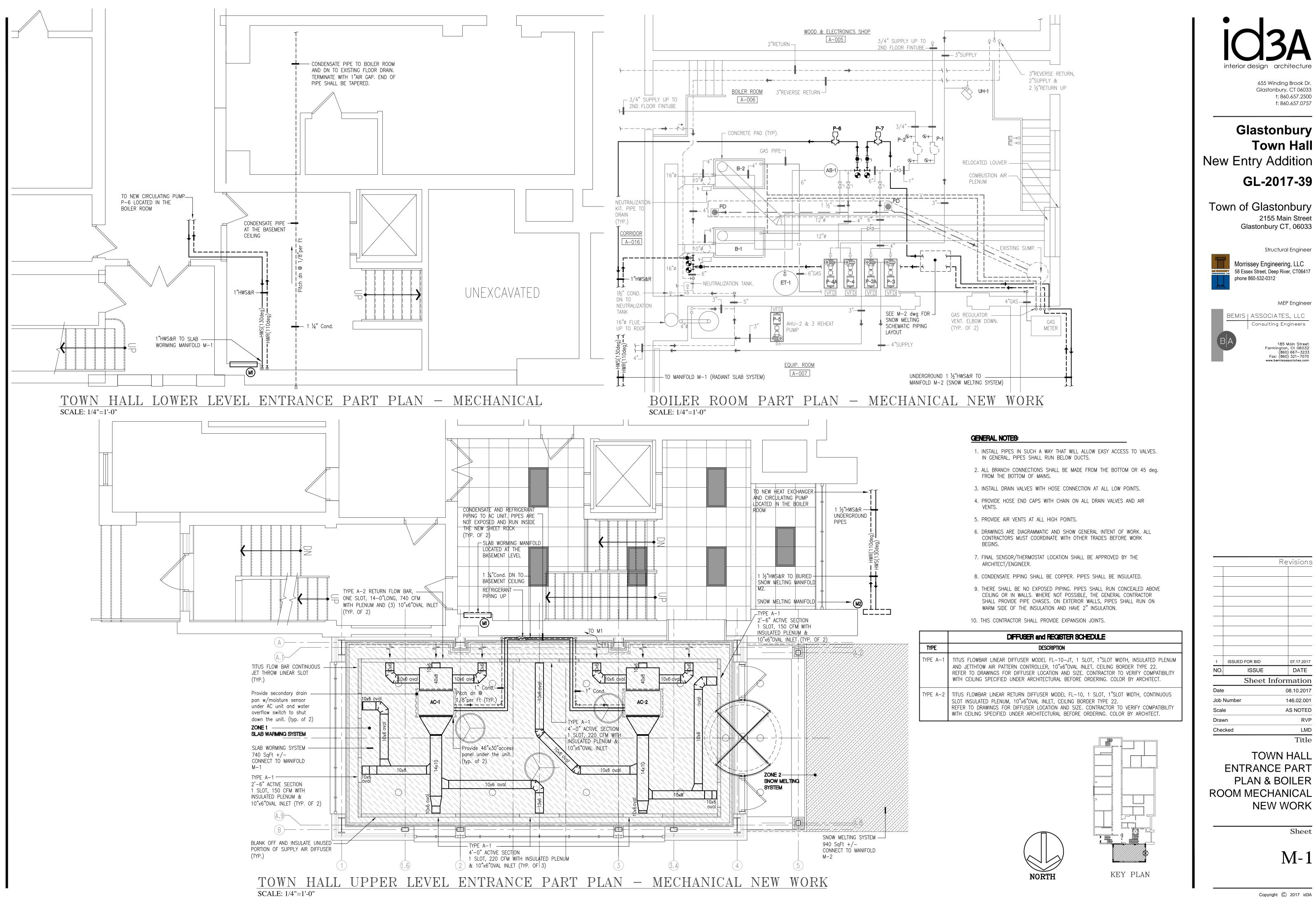
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Job	Number	1	46.02.001
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ENTRANCE LOWER AND UPPER LEVEL PART PLAN MECHANICAL DEMOLITION

Sheet

MD-1	
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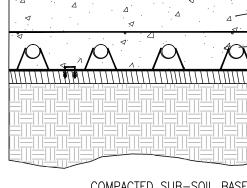
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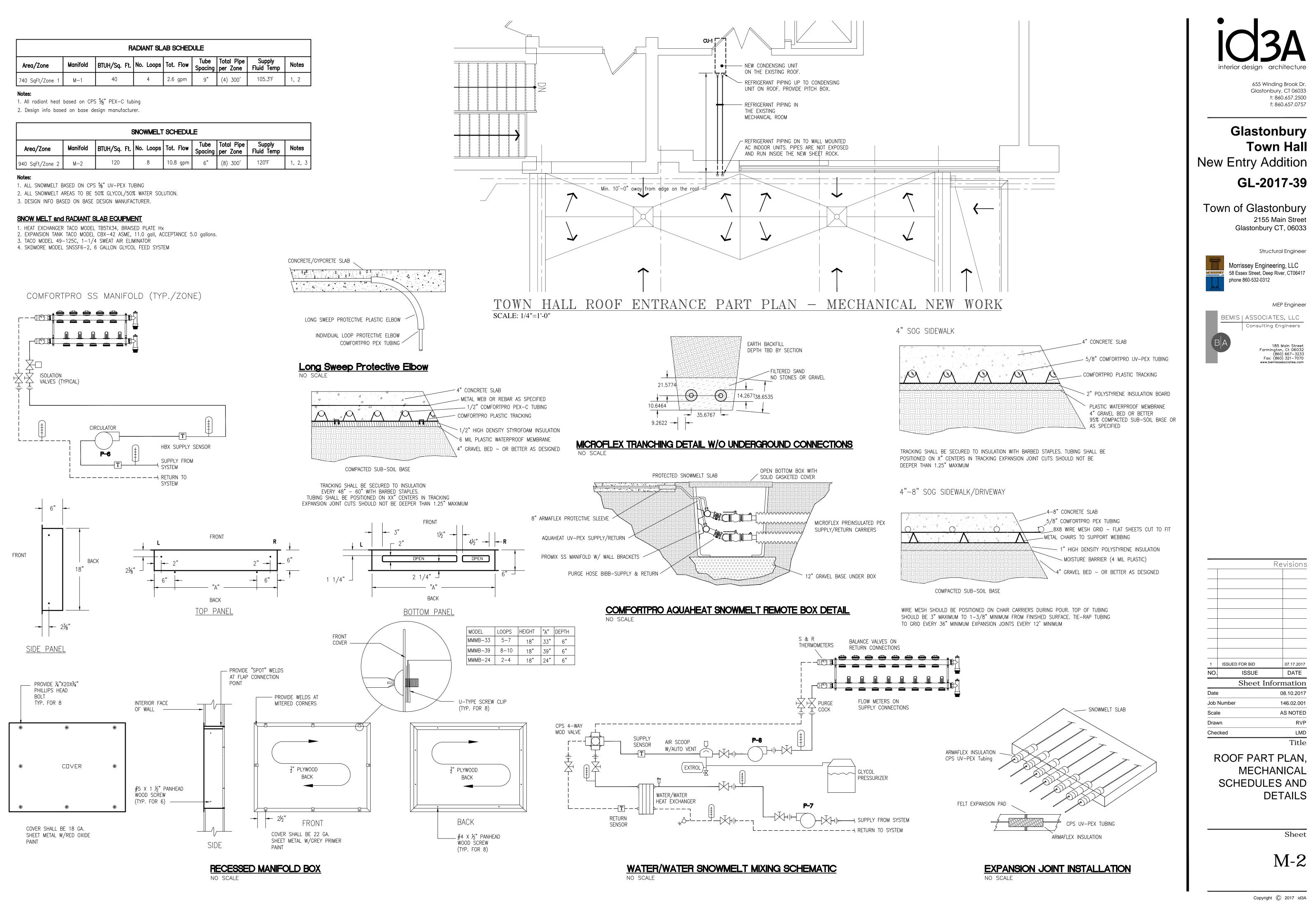


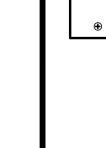
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Area/Zone	Manifold	BTUH/Sq. Ft.	No. Loops	Tot. Flow	Tube Spacing	Total Pipe per Zone	Supply Fluid Temp	Notes
740 SqFt/Zone 1	M-1	40	4	2.6 gpm	9"	(4) 300'	105.3°F	1, 2

		ŝ	SNOWMELT	SCHEDUL	E			
Area/Zone	Manifold	BTUH/Sq. Ft.	No. Loops	Tot. Flow	Tube Spacing	Total Pipe per Zone	Supply Fluid Temp	Notes
940 SqFt/Zone 2	M-2	120	8	10.8 gpm	6"	(8) 300'	120°F	1, 2, 3

CONCRETE/GYPCRETE SLAB . . . LONG SWEEP PROTECTIVE PLASTIC ELBOW INDIVIDUAL LOOP PROTECTIVE ELBOW COMFORTPRO PEX TUBING NO SCALE

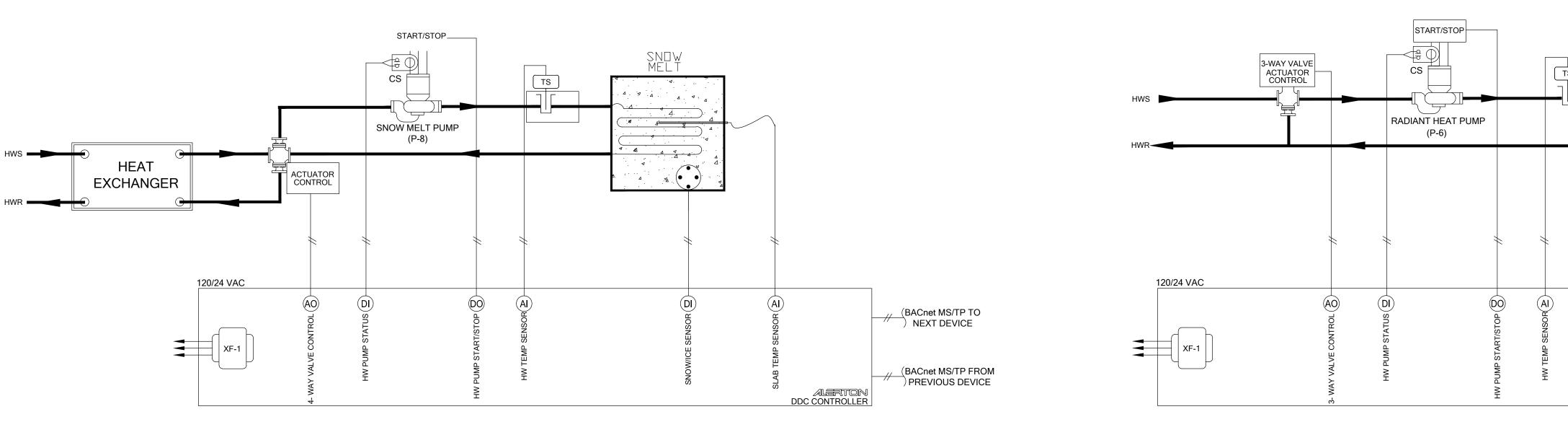








- 7:59am 7∖17-230 2017



SNOW MELT SYSTEM DIAGRAM

MITSUBISHI CITY MULTI VRF INDOOR UNIT SCHEDULE

					1 3CHEDUL		_	-	-						-	-			_			
System	Room Name	Tag	M-Net	Model	Туре	Nominal Cooling	Heating	Entering Temp	Heating Design Entering Temp			ected Capad	city		Estimated Cooling Coil	-		Peak Fan Airflow (cfm) / [Design	Setting	Voltage /	Electrical MCA/MFS	Notes / Ontions
Tag	Room Name	Reference	Address	i inoder	Type	Capacity	Capacity	DB/WB (°F) /	DB/WB (°F) /	Cooling Diversity	Cooling	Cooling	Heating Diversity	Heating	LAT (°F) /	LAT (°F) /		gpm G(US)/min]		Phase		
						(BTU/h)	(BTU/h)	[Water in temp]	[Water in temp]	Full/Partial (See	Total	Sensible	Full/Partial (See	Capacity	[LWT]	[LWT]	(inch)		(IN WG)			
										Note 5, 6)	Capacity	Capacity	Note 5, 6)	(BTU/h)								
CU-1		AC-1	1	PEFY- P30NMAU-E3	Ceiling concealed type (ducted)	30,000.0	34,000.0	80.0/67.0	70.0	PARTIAL DEMAND	30,040.0	21,605.0	FULL DEMAND	17,820.1	56.9	88.7	3/8 / 5/8	883	0.6/0.6	208/230V/ 1-phase	2.73(208V)/2.73(230V)/ 15	1, 2, 3, 4, 5, 6
CU-1		AC-2	2	PEFY- P30NMAU-E3	Ceiling concealed type (ducted)	30,000.0	34,000.0	80.0/67.0	70.0	PARTIAL DEMAND	30,040.0	21,605.0	FULL DEMAND	17,820.1	56.9	88.7	3/8 / 5/8	883	0.6/0.6	208/230V/ 1-phase	2.73(208V)/2.73(230V)/ 15	1, 2, 3, 4, 5, 6

Notes & Options:

1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)

- 2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
- 3 See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities
- 4 See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and integration devices.

5 Full demand corrected capacity includes de-rate associated with indoor vs. outdoor connected capacity indicated on outdoor unit schedule for associated system. Partial corrected capacity assumes sufficient diversity exists such that the connected capacity de-rate does not apply. It is the designer's responsibility to ensure "Diamond System Builder" is set in the appropriate output capacity setting (full demand/partial demand) prior to generating this schedule.

6 It is recommended to always base heating corrected capacity on full demand.

MITSU	IBISHI CI	TYMULT	I VRF OUTD	OOR UN		DULE				
System Tag	Tag Reference	M-Net Address	Model Number	Modules	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Efficiency IEER/EER [SEER]	Heating COP @ 47°F [HSPF]	Design Cooling Outdoor Temp DB (°F)	Design Heating Outdoor Temp WB (°F)
CU-1	CU-1	51	PUMY- P60NKMU1	P60	60,000.0	66,000.0	- / 12.5 [18.6]	3.5 [18.6]	91.0	2.2

Notes & Options:

1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)

2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)

3 Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-

ducted indoor unite 4 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.

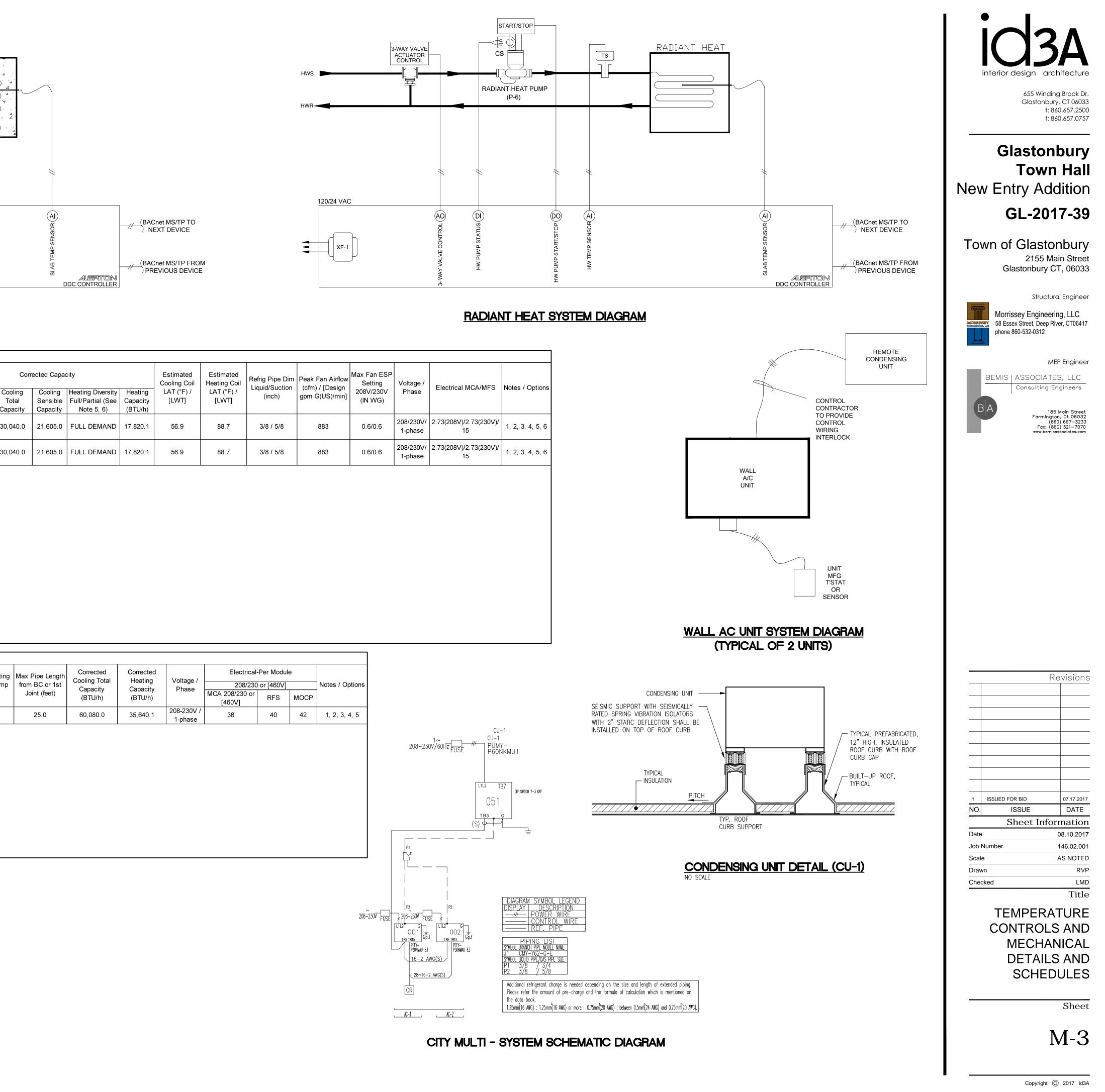
5 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built

piping layout. minus (-)

6	Include low	ambient l	hood kit with	associated	wind bat	ffles for	100% I	ow ambi	ent cooling	down t	to mi
	10°F.										

PUMP No.LOCATIONAREA SERVEDTYPEMANUFACTURERMODELGPMHEAD (FT)RPMHPVOLTSP-6BOILER RMTOWN HALL ENTRANCE WARMING SLABIN-LINE CIRCULATINGTACOVR3452 ECM3 gpm301100-44001/4115	5 PH REMAR
	1 1,2
P-7 BOILER RM SNOW MELTING IN-LINE CIRCULATING TACO VR3452 ECM 12.26 gpm 30 1100-4400 1/4 115	1 1,2
P-8 BOILER RM TOWN HALL ENTRANCE IN-LINE CIRCULATING TACO VR3452 ECM 10.76 gpm 35 1100-4400 1/4 115	1 1,2

, 2017 − 8:03am /E\2017\17-230 10, TIME Aug F:\A



PANEL #PP1 - SQUARE D, SURFACE, 208Y/120V, 3 PHASE, 4 WIRE, 100AMP MAIN CIRCUIT BREAKER, 10K A.I.C. MIN.

	плэс,		_, TOUAINF MAIN CINCOTT L		\LI I		
CKT	TRIP	POLE	REMARKS	CKT	TRIP	POLE	REMARKS
1	20	1	RECEPTACLES	2	20	1	RECEPTACLES
3	20	1	FLOOR BOXES	4	20	1	RECEPTACLES
5	20	1	FLOOR BOXES	6	20	1	LIGHTING
7	20	1	EMERG/EXIT LIGHTING	8	20	1	ROOF RECEPTACLE
9	15	2	AC-1	10	15	2	AC-2
11	-	-	-	12	-	-	-
13	40	2	COND-1	14	20	1	P-6
15	-	-	-	16	20	1	P-7
17	20	1	P-8	18	20	1	SPARE
19	20	1	SPARE	20	20	1	SPARE
21	20	1	SPARE	22	20	1	SPARE
23	20	1	SPARE	24	20	1	SPARE
25	20	1	SPARE	26	20	1	SPARE
27	20	1	SPARE	28	20	1	SPARE
29	20	1	SPARE	30	20	1	SPARE

NOTES:

1. PROVIDE WITH SILVER PLATED COPPER BUS BARS AND COPPER GROUND BAR. 2. PROVIDE WITH DOOR-IN-DOOR TRIM.

3. PROVIDE WITH BLACK FACE/WHITE CORE ENGRAVED NAMEPLATE FIXED TO PANEL WITH TWO SCREWS OR RIVETS.

4. PROVIDE WITH METAL FRAME, PLASTIC COVER CIRCUIT DIRECTORY FRAME. 5. PROVIDE WITH TYPE WRITTEN CIRCUIT DIRECTORY REPRESENTING CIRCUITS AS

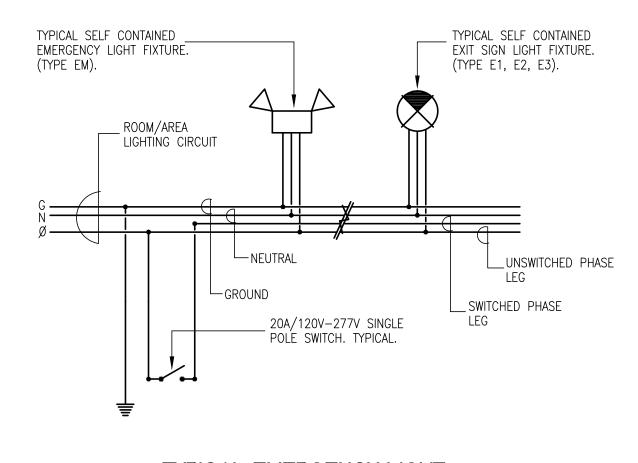
ACTUALLY CONNECTED TO PANEL. 6. CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE.

SCHEDULE OF BRANCH CIRCUIT CONDUCTOR SIZES

20A-1P *** 2 X #12 AWG AND 1 X #12 AWG GND. IN 3/4" C. 20A-2P 2 X #12 AWG AND 1 X #12 AWG GND. IN 3/4" C. 20A-3P 3 X #12 AWG AND 1 X #12 AWG GND. IN 3/4" C. 25A-1P 2 X #10 AWG AND 1 X #10 AWG GND. IN 3/4" C. 25A-3P 3 X #10 AWG AND 1 X #10 AWG GND. IN 3/4" C. 30A-1P 2 X #10 AWG AND 1 X #10 AWG GND. IN 3/4" C. 30A-3P 3 X #10 AWG AND 1 X #10 AWG GND. IN 3/4" C. 35A-1P 2 X #8 AWG AND 1 X #10 AWG GND. IN 3/4" C. 35A-3P 3 X #8 AWG AND 1 X #	1	OF DRANCH CIRCUIT CONDUCTOR SIZES
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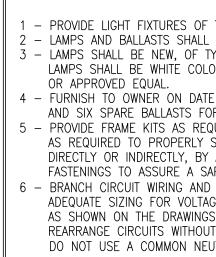
* PROVIDE CIRCUIT SIZE AND NUMBER OF CONDUCTORS SCHEDULED UNLESS NOTED OR SHOWN DIFFERENTLY ON THE DRAWINGS. CROSS REFERENCE CIRCUIT DESIGNATIONS SHOWN ON DRAWINGS WITH RESPECTIVE PANEL SCHEDULES TO OBTAIN C/B SIZE.

** PROVIDE #10 AWG SIZE CONDUCTORS FOR BRANCH CIRCUIT RUNS EXCEEDING 75' IN CONDUCTOR LENGTH AND #8 AWG SIZE CONDUCTORS FOR BRANCH CIRCUIT RUNS EXCEEDING 150' IN CONDUCTOR LENGTH.



TYPICAL EMERGENCY LIGHT EXIT SIGN WIRING DIAGRAM

	LIGHT FIXTURE SCHEDULE			
TYPE	BASIS OF DESIGN DESCRIPTION AND MODEL $\#$	LAMP	FIXTURE WATTS	REMARKS
A	6" ROUND RECESSED MOUNTED LED DOWNLIGHT FIXTURE. STEEL HOUSING, HIGH PURITY ALUMINUM ALZAK, IRIDESCENCE SUPPRESSED, SEMI-DIFFUSES REFLECTOR, DIMMING LED DRIVER PRESCOLITE #LF6SLDM1 WITH 6LFSL20L35K	LED, 3500K	25.2	_
AE	6" ROUND RECESSED MOUNTED LED DOWNLIGHT FIXTURE. STEEL HOUSING, HIGH PURITY ALUMINUM ALZAK, IRIDESCENCE SUPPRESSED, SEMI-DIFFUSES REFLECTOR, DIMMING LED DRIVER, REMOTE EMERGENCY BATTERY PACK PRESCOLITE #LF6SLDM1-EMR WITH 6LFSL20L35K	LED, 3500K	25.2	-
В	2'W X 4'L X 3" DEEP RECESSED LED TROFFER FIXTURE. DIE FORMED, HEAVY GAUGE STEEL HOUSING, FLUSH STEEL DOOR WITH MITERED CORNERS, 100% PRISMATIC VIRGIN PATTERN 12 LENS, MULTI-STAGE PHOSPHATE BONDING AND HIGH REFLECTANCE BAKED WHITE ENAMEL FINISH, STEP DIMMING LED DRIVER DAY-BRITE # 2TG74L835-4-FS-02F-UNV-SDIM	LED, 80CRI, 3500K	77.8	_
С	36" ROUND PENDENT LED FIXTURE, BRUSHED ALUMINUM FINISH, OPAL MATTE ACRYLIC BOTTOM LENS, CLEAR SILVER BRAIDED CORD WITH (3) ADJUSTABLE AIRCRAFT CABLES, LED 0–10 DIMMING DRIVER SCOTT ARCHITECTURAL LIGHTING # S2681–L72–35K–BA–	LED, 80CRI, 3500K	72	_
E	5 1/8"H X 12 5/8"L DUAL HEAD EMERGENCY LIGHT FIXTURE. FLAME RATED AND UV STABLE HOUSING,ABS THERMOPLASTIC AND BACK PLATE. TEXTURED WHITE FINISH, NICAD BATTERY, HALOGEN LAMPS, 120V. CHLORIDE # CTX6L24WCSWF	2-12 W, HALOGEN	24	_
Х	7 3/4"H X 13"L UNIVERSAL MOUNT EXIT SIGN. EXTRUDED ALUMINUM LED LAMP HOUSING MOUNTS, WHITE POWDER COAT FINISH, ACRYLIC LENS. CHEVRON ARROWS AS INDICATED ON DRAWING EVENLITE $\#$ TLA6-EM-R-1-W	LED'S	2	_



GENERAL SPECIFICATION NOTES – LIGHTING

1 – PROVIDE LIGHT FIXTURES OF THE TYPES SHOWN AND SCHEDULED ON THE DRAWINGS, OR APPROVED EQUAL, COMPLETE WITH LAMPS. - LAMPS AND BALLASTS SHALL BE COMPATIBLE WITH, AND LISTED FOR USE WITH EACH OTHER. - LAMPS SHALL BE NEW, OF TYPE, WATTAGE, VOLTAGE, AND SIZE AS INDICATED ON THE LIGHTING FIXTURE SCHEDULE. FLUORESCENT LAMPS SHALL BE WHITE COLOR TEMPERATURE 3500K. LAMPS SHALL BE AS MANUFACTURED BY OSRAM, GENERAL ELECTRIC, PHILIPS,

4 - FURNISH TO OWNER ON DATE OF FINAL ACCEPTANCE OF PROJECT, ONE DOZEN SPARE LAMPS OF EACH WATTAGE AND TYPE OF LAMP, AND SIX SPARE BALLASTS FOR EACH TYPE OF BALLAST. REFER TO LIGHTING FIXTURE SCHEDULE FOR LAMP AND BALLAST DATA. 5 – PROVIDE FRAME KITS AS REQUIRED FOR FIXTURES RECESSED IN SHEET ROCK CEILINGS. PROVIDE SPECIAL FITTINGS AND MATERIALS AS REQUIRED TO PROPERLY SUPPORT FIXTURES. INSTALL FIXTURES SO THAT THE WEIGHT OF THE FIXTURE IS SUPPORTED, EITHER DIRECTLY OR INDIRECTLY, BY A SOUND AND SAFE STRUCTURAL MEMBER OF THE BUILDING, USING ADEQUATE NUMBER AND TYPE OF FASTENINGS TO ASSURE A SAFE INSTALLATION IN CONFORMANCE WITH CODE. - BRANCH CIRCUIT WIRING AND ARRANGEMENT OF HOME RUNS HAS BEEN DESIGNED FOR MAXIMUM ECONOMY CONSISTENT WITH ADEQUATE SIZING FOR VOLTAGE DROPS, CIRCUIT AMPACITIES AND OTHER CONSIDERATIONS. INSTALL THE WIRING WITH CIRCUITS ARRANGED AS SHOWN ON THE DRAWINGS, EXCEPT AS APPROVED IN ADVANCE BY THE ARCHITECT AND ENGINEER. DO NOT MAKE CHANGES AND

REARRANGE CIRCUITS WITHOUT PRIOR APPROVAL. PROVIDE A SEPARATE NEUTRAL CONDUCTOR FOR EACH 120V SINGLE PHASE CIRCUIT. DO NOT USE A COMMON NEUTRAL FOR GROUPS OF CIRCUITS. PROVIDE A SEPARATE GROUND WIRE FOR EACH CIRCUIT.

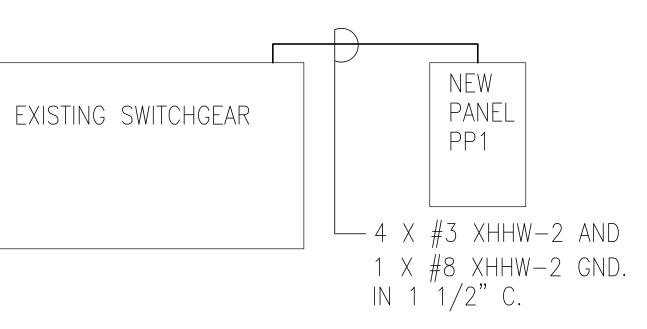
	LEGEND
SYMBOL/ABBREVIATION	DESCRIPTION
	SPECIAL EQUIPMENT POWER CONNECTION. EQUIPMENT AS DESIGNATED.
4	DISCONNECT SWITCH.
	CONDUCTORS IN CONDUIT. CROSS LINES INDICATE NUMBER OF CONDUCTORS.
	BRANCH CIRCUIT HOMERUN IN CONDUIT. CROSS LINES INDICATE NUMBER OF CONDUCTORS.
	PANELBOARD.
F	MANUAL PULL STATION.
	HORN/STROBE.
	STROBE ONLY
Œ	DUPLEX RECEPTACLE
#	QUADPLEX RECEPTACLE
V	4"X4" JUNCTION BOX WITH 3/4"C WITH PULL STRING TO ABOVE ACCESSIBLE CEILING
	FSR FLOOR BOX SERIES FL-500P, WITH QUADPLEX RECEPTACLE, 1"C WITH PULL STRING TO NEAREST WALL, TO ABOVE ACCESSIBLE CEILING FOR DATA, PROVIDE ALL NECESSARY COMPONENTS FOR A COMPLETE AND OPERATIONAL SYSTEM.
\odot	RECESSED DOWNLIGHT FIXTURE
•	RECESSED LIGHT FIXTURE
\bigcirc	PENDENT MOUNTED LIGHT FIXTURE
€	EXIT SIGN
424	TWO-HEADED EMERGENCY FIXTURE
S _D	SINGLE POLE DIMMER SWITCH
A	AMPS.
С	CONDUIT.
GND.	GROUND.
Ρ	POLE.
W	WIRE.

	GENERAL	SPECIFICAT
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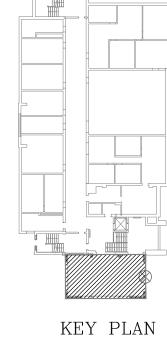
- 1 THE CONTRACTOR SHALL VERIFY AND OBTAIN ALL NECESSARY DIMENSIONS AT THE BUILDING.
- 2 FINISHED WORK: THE INTENT OF THE SPECIFICATIONS AND DRAWINGS IS TO CALL FOR FINISHED WORK, COMPLETED, TESTED AND READY FOR OPERATION. 3 – GOOD PRACTICE: IT IS NOT INTENDED THAT THE DRAWINGS SHOW EVERY CONDUIT, JUNCTION BOX, FITTING OR MINOR DETAIL AND IT IS UNDERSTOOD THAT WHILE THE DRAWINGS MUST BE FOLLOWED AS CLOSELY AS CIRCUMSTANCES WILL PERMIT, THE SYSTEMS SHALL BE INSTALLED ACCORDING TO THE
- INTENT AND MEANING OF THE CONTRACT DOCUMENTS AND IN ACCORDANCE WITH GOOD PRACTICE.
- 4 ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT SHOWN ON DRAWINGS BUT MENTIONED IN SPECIFICATIONS OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND PERFECT IN ALL RESPECTS AND READY FOR OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- 5 CODES AND STANDARDS COMPLY WITH ALL FEDERAL, STATE AND LOCAL CODES AND STANDARDS WHEREVER APPLICABLE INCLUDING THE FOLLOWING: 2009 AMENDMENT TO THE 2005 CONNECTICUT STATE BUILDING CODE SUPPLEMENT, 2003 INTERNATIONAL BUILDING CODE, 2005 CONNECTICUT FIRE SAFETY CODE, 2003 INTERNATIONAL FIRE CODE, 2011 NATIONAL ELECTRICAL CODE, ICC/ANSI A117.1–2003 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, ADA, NFPA, UNDERWRITERS LABORATORIES, FACTORY MUTUAL INSURANCE COMPANY, NEMA STANDARDS.
- 6 NOTE THAT THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF THE ELECTRICAL EQUIPMENT AND SYSTEMS, WITHOUT SHOWING EVERY DETAIL AND FITTING.
- RACEWAYS: PROVIDE EMT CONDUIT FOR ALL WIRING. EMT CONNECTORS AND COUPLINGS SHALL BE GALVANIZED STEEL SET-SCREW TYPE. PROVIDE GLAND COMPRESSION CONNECTORS AND COUPLINGS WHERE LOCATED IN DAMP AND WET LOCATIONS. PROVIDE FLEXIBLE STEEL CONDUIT FOR FINAL CONNECTIONS TO MOTOR DRIVEN EQUIPMENT. PROVIDE RIGID GALVANIZED STEEL CONDUIT WHERE LOCATED IN DAMP OR WET AREAS.
- 8 BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER, RATED 600 VOLTS, 90 DEG.C., COLOR CODED, TYPE XHHW-2.
- 10 MINIMUM SIZE CONDUCTORS FOR POWER AND LIGHTING SHALL BE #12 AWG. PROVIDE MINIMUM #10 AWG SIZE FOR RUNS EXCEEDING 75' IN CONDUCTOR LENGTH, AND #8 AWG SIZE FOR RUNS EXCEEDING 150' IN CONDUCTOR LENGTH. PROVIDE LARGER SIZE CONDUCTORS AS SCHEDULED OR AS NOTED ON THE DRAWINGS.
- 11 THE NUMBER OF WIRES IN A CONDUIT RUN IS INDICATED ON THE DRAWINGS BY CROSS LINES ON THE CONDUIT RUNS. PROVIDE CODE-SIZED CONDUIT FOR THE NUMBER AND SIZE OF WIRES UNLESS A LARGER SIZE IS SHOWN ON THE DRAWINGS. MINIMUM CONDUIT SIZE SHALL BE 3/4".
- 12 RACEWAYS SHALL BE CONCEALED WHEREVER POSSIBLE IN ALL FINISHED AREAS.
- 13 RACEWAYS SHALL BE RUN PARALLEL TO OR AT RIGHT ANGLES TO WALL LINES.
- 14 RACEWAYS SHALL BE SUPPORTED FROM THE STRUCTURE BY STRAP HANGERS, ROD HANGERS, OR RACK MOUNTED, OR OTHER APPROVED ELECTRICAL MOUNTING.
- 15 PROVIDE FIRE STOPPING AT ALL FIRE AND/OR SMOKE RATED WALL OR CEILING PENETRATIONS IN ORDER TO MAINTAIN ITS ORIGINAL INTEGRITY.
- 16 OUTLET BOXES SHALL BE CODE GAUGE GALVANIZED STEEL AND SHALL BE OF SHAPES AND SIZES TO SUIT THEIR RESPECTIVE LOCATIONS AND INSTALLATIONS, AND SHALL BE PROVIDED WITH COVERS TO SUIT THEIR FUNCTION AND INSTALLATION. MINIMUM BOX SIZE SHALL BE 4" SQ. X 2 1/8" DEEP (2-GANG). PROVIDE CAST BOXES FOR OUTDOOR WORK.
- 17 OUTLET BOXES SHALL BE EQUIPPED WITH FIXTURE STUD OR STRAPS WHERE REQUIRED.
- 18 INSTALL BOXES IN ACCESSIBLE LOCATIONS AND AT UNIFORM HEIGHTS.
- 19 SET BOXES AND COVERS SQUARE AND TRUE WITH BUILDING FINISH.
- 20 BRANCH CIRCUIT WIRING AND ARRANGEMENT OF HOME RUNS HAS BEEN DESIGNED FOR MAXIMUM ECONOMY CONSISTENT WITH ADEQUATE SIZING FOR VOLTAGE DROPS, CIRCUIT AMPACITIES, AND OTHER CONSIDERATIONS. INSTALL THE WIRING WITH CIRCUITS ARRANGED AS SHOWN ON THE DRAWINGS, EXCEPT AS APPROVED IN ADVANCE BY THE ARCHITECT AND ENGINEER. DO NOT MAKE CHANGES WITHOUT PRIOR APPROVAL.
- 21 PROVIDE A SEPARATE NEUTRAL CONDUCTOR FOR EACH 120V SINGLE PHASE CIRCUIT. DO NOT USE A COMMON NEUTRAL FOR GROUPS OF CIRCUITS. PROVIDE A SEPARATE GROUND WIRE FOR EACH CIRCUIT BACK TO THE RESPECTIVE PANEL GROUND. IF MORE THAN 3 CURRENT CARRYING CONDUCTORS ARE INSTALLED IN ONE CONDUIT THEY SHALL BE DE-RATED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE. DO NOT INSTALL MORE THAN THREE 30 AMP SINGLE PHASE OR FOUR 20 AMP SINGLE PHASE CIRCUITS IN THE SAME CONDUIT.

<u>TION NOTES – POWER</u>

- 9 WIRE SIZE #8 AWG AND LARGER SHALL BE STRANDED. WIRE OF SIZE SMALLER THAN #8 AWG SHALL BE SOLID.



PARTIAL RISER POWER DIAGRAM





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MORESSEY BIRINGERING, LO	Structura Morrissey Engineerin 58 Essex Street, Deep Rive phone 860-532-0312	
		engineer
B	EMIS ASSOCIATES Consulting En	gineers
BA	Farmingtor (860 Fax: (860	Main Street a, Ct 06032) 667–3233) 321–7070 sociates.com
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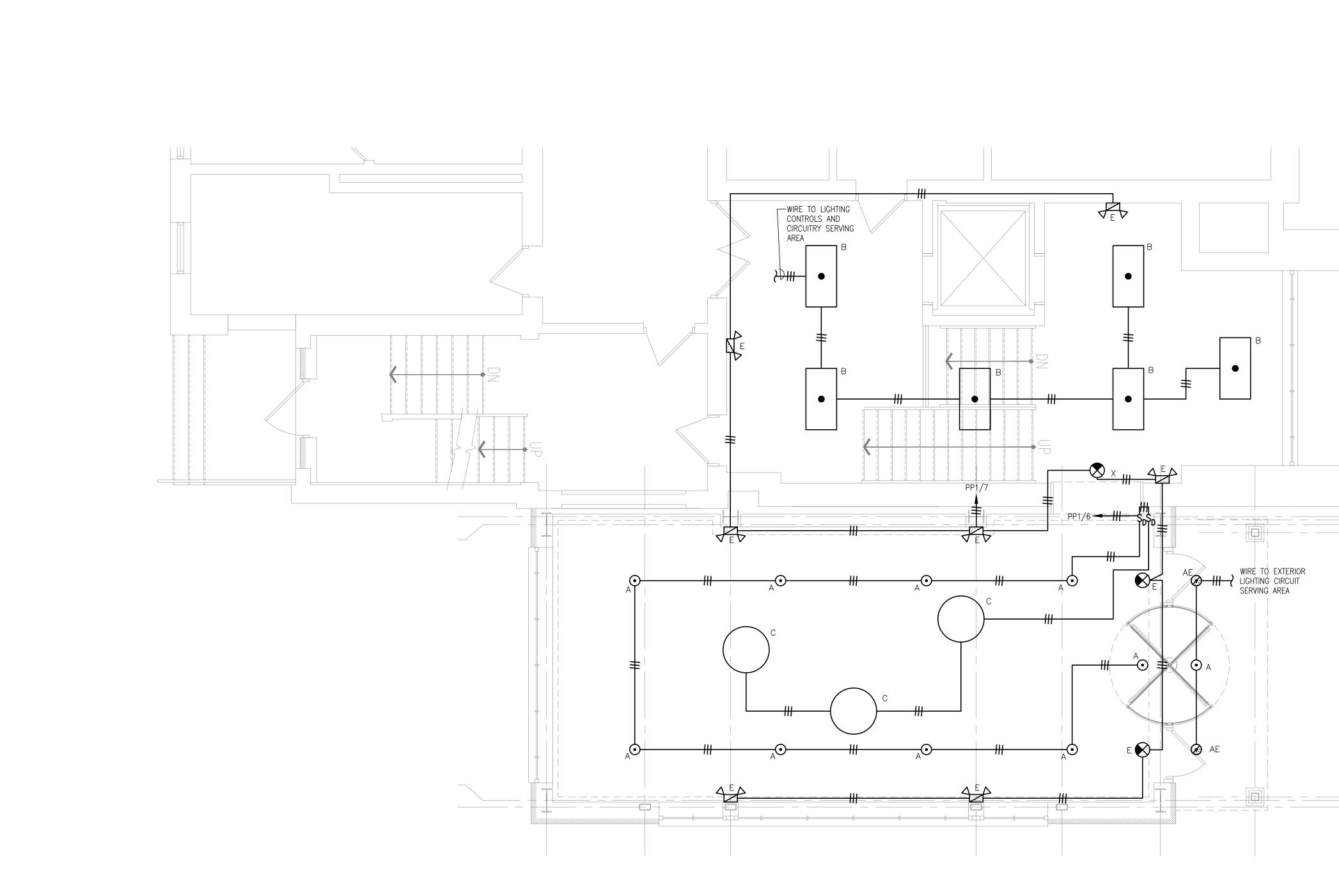
655 Winding Brook Dr. Glastonbury, CT 06033

Glastonbury

t: 860.657.2500

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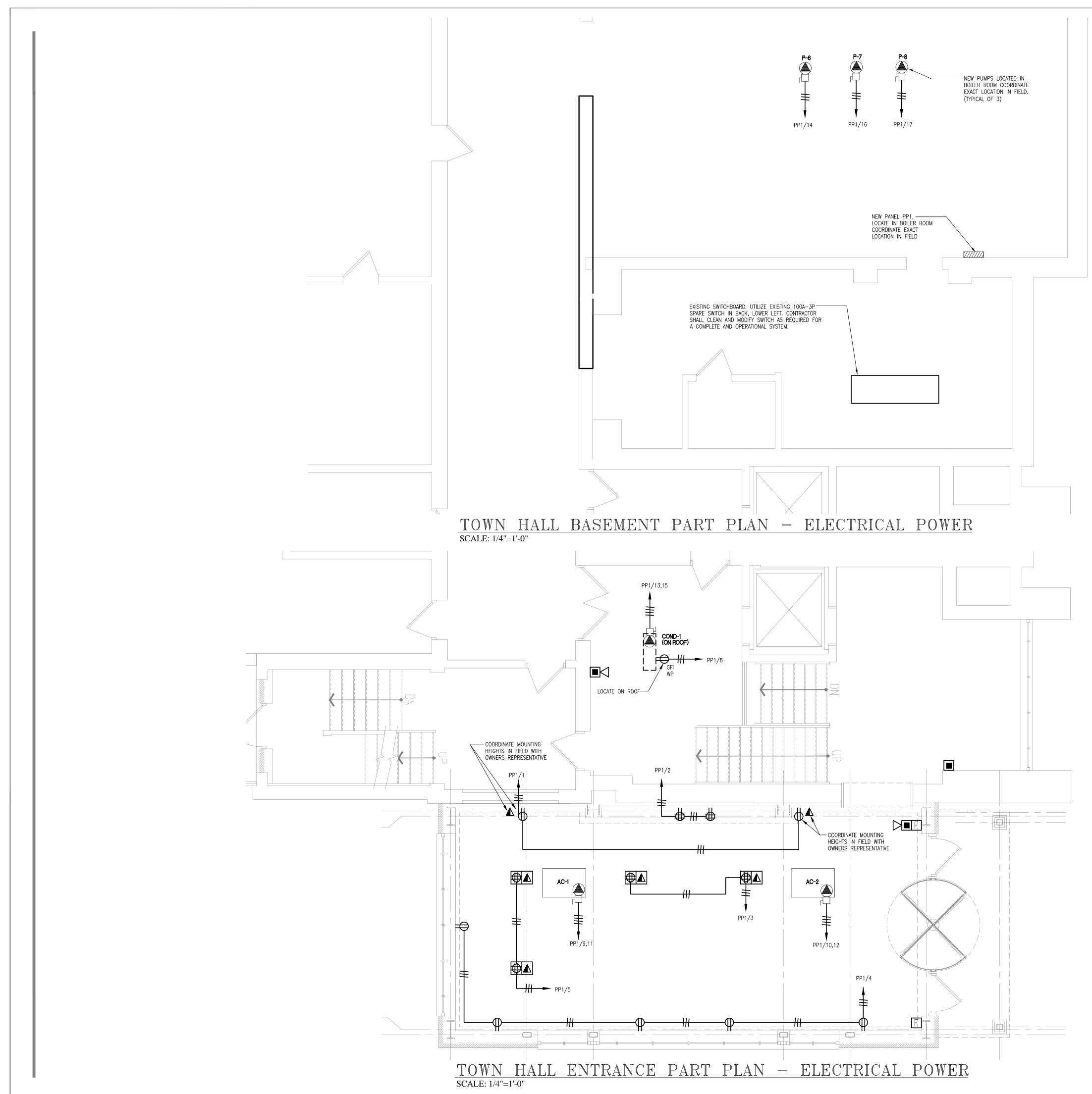




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interior design architecture
655 Winding Brook Dr. Glastonbury, CT 06033 t: 860.657.2500 f: 860.657.0757
Glastonbury Town Hall
New Entry Addition GL-2017-39
Town of Glastonbury 2155 Main Street Glastonbury CT, 06033
Structural Engineer Morrissey Engineering, LLC
58 Essex Street, Deep River, CT06417 phone 860-532-0312
MEP Engineer BEMIS ASSOCIATES, LLC Consulting Engineers
BA 185 Main Street Farmington, Ct 06032 (860) 667–3233 Fax: (860) 321–7070 www.bemisassociates.com
Revisions
1 ISSUED FOR BID 07.17.2017
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PLAN-ELECTRICAL DEMOLITION and NEW WORK
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