MITCHELL ASSOCIATES ARCHITECTS

ADDENDUM NUMBER **ONE** TO BIDDING DOCUMENTS

COB BID NO. 2023-002

ADDITION & RENOVATION TO
BEACON FIRE STATION
1140 WOLCOTT AVENUE
BEACON, NY 12508

Date:	April 4, 2023
Site Address:	1140 Wolcott Avenue Beacon, NY 12508
Owner:	City of Beacon, NY
Architect:	Mitchell Associates Architects (MAA) 29 Thacher Park Road Voorheesville, NY 12186 Phone: 518-765- 4571 Fax: 518-765-2950

TOTAL PAGES (Including Cover Page): 6, not including attachments.

NOTE: ALL BIDDERS MUST EMAIL A CONFIRMATION OF RECEIPT OF THIS ADDENDUM. PLEASE PRINT COMPANY NAME, SIGN AND DATE THIS COVER PAGE AND SCAN AND EMAIL TO THE ARCHITECT, MAA. T. 518-765-4571, F. 518-765-2950 EMAIL - CECILE@MITCHELL-ARCHITECTS.COM.

Company Name _____ Date_____
(Please Print)

Signature _____

The information described herein as Addendum Number One, is hereby made addenda to all previously issued construction documents related to the Project and shall be incorporated into the Scope of the Base Bid. These pages shall be attached to the Project Manual.

GENERAL INSTRUCTIONS

A. This Addendum Constitutes part of the Specifications and Contract. Should conflict occur between the specifications and items in this Addendum or between drawings and this Addendum, this Addendum shall govern.

B. Bidders shall carefully examine all items and determine for themselves what subcontractors are affected and notify all bidders for subcontracts of changes, explanations, interpretations, or additions affecting their work.

C. Work described in this Addendum shall be in accordance with specifications for like items in remainder of building and complete with all labor and materials required.

D. Bidders are required to attach a copy of this Addendum to the specifications in their possession.

E. Not all of the questions sent in by RFI are in this addendum. There will be additional addenda after this & any remaining questions will be answered in those addenda.

F. The bid date, location and time ARE changed by this Addendum.

****** Bid Date and Time is Changed to 2:00 p.m. local time, Friday, April 21, 2023. ******

QUESTIONS

Q: Can we get a copy of the sign-in sheet from the Pre-bid meeting?

A: The sign-in sheet is attached to the end of this addendum as A2.1 & A2.2.

Q: Is there a plan holders list available?

A: The official plan holders list can be found at the printer's web site. The link is:

www.mitchellarch.biddyhq.com

Plan holders lists may also be found on other plan room web sites, such as Bidnet, NYS Contract Reporter, Construct Connect, Construction Journal, Dodge Construction Network, the Blue Book.

Q: There is no RFI due date listed in the specs. When is the latest date RFI's can be submitted?

A: As stated in AIA Document A701 - 2018, paragraph 3.2.2, questions must be submitted to the Architect at least seven days prior to the date of receipt of the bids, therefore, RFIs will not be accepted after 5:00 pm on April 14, 2023.

Q: Is there a construction schedule for this project. Start Date and Competition Date?

A: The construction start date will be determined after the bids are received. The duration of the project is listed in the AIA Document A132 – 2019, paragraph 3.3.1, that is bound in the Project Manual. The duration is listed as 427 calendar days.

Q: Is the trenching and backfill for the 6" combined water service by the site contractor?

A: The trenching and backfill for the 6" water main outside of the building is the responsibility of the Site Contractor.

Q: Who is responsible for the slab removal and trenching for the new water service within room 124 mechanical room?

A: The GC is responsible for all slab removals in the building, but each trade is responsible for their own trenching and backfilling inside of the building.

Q: Will the backflow preventer DOH applications be prepared by the design team?

A: The Project Engineer will prepare the sprinkler and domestic water backflow application to the DOH.

Q: Is see that building permit fees are waived for general building permit. Does same hold true for any fire sprinkler permit requirements?

A: All fees for permits pulled from the City of Beacon will be waived by the City for this project. Contractors are still required to follow all other filing and approval procedures to pull their respective permits. Fees for permits from entities other than the City of Beacon will require all related permit fees to be paid by the respective contractors.

Q: There are some inconsistencies between the drawings and the finish legend/schedule – see below:

Room 112 is shown as RFP-1 on drawing A-800 yet is listed as EFC-1 in spec section 090600.

Room 113 is shown as SC-1 on drawing A-800 yet is listed as RFP-1 in spec section 090600.

Room 218 calls for EFC-5 on drawing A-801 but with WB-2. The other rooms with EFC-5 call for PT-16 (Room 109 - Unisex Toilet) and Room 121 and 122 call for WB-6. The spec finish schedule 090600 calls for WB-6 for toilet rooms and shower. Please clarify.

A: In Room 112, the floor finish is RFP-1. See below.

In Room 113, the floor finish is SC-1. See Below.

In Room 218, the wall base is WB-6. See Below.

Q: Demolition plans for the mechanical, plumbing, and electrical contracts indicate in the notes that the General Contractor is to perform all demolition. We are looking for clarification and confirmation that this applies to all plumbing and mechanical piping, equipment, fixtures, ductwork, etc. Can you please confirm that the mechanical, plumbing, and electrical contracts will not provide any demolition work?

A: That is correct, all demo work will be by the GCC including mechanical, plumbing, and electrical piping, equipment, fixtures, ductwork, etc. The mechanical, plumbing, and electrical contracts will not provide any demolition work, with the exception of the electrical contractor de-energizing the electrical system and the electrical contractor removing the switchgear & turning it over to the Owner for storage.

Q: Detail 10/P501 for the air compressor installation includes a concrete housekeeping pad. Is a new concrete pad required, and if so, does the plumbing contractor provide the pad?

A: The GCC will provide all housekeeping pads for mechanical and plumbing units in mechanical rooms.

Q: Detail 7/P501 indicates a concrete trough to be provided. Which contract provides the concrete work & grating cover?

A: The GCC will provide the concrete work, the PC will provide the floor drain and all piping.

SUBSTITUTION REQUESTS

A. None.

SPECIFICATIONS

A. Section 002112

1. **ADD** Article 2, §2.1.8" "The **minimum** amount of Work the General Construction Contractor (GCC) must perform by its own forces shall be 15%."

B. Section 011100

1. **DELETE** paragraph 1.07.B.39 in its entirety, and ADD paragraph 1.07.B.39 in its place:

   "All Prime Contractors are responsible for the coordination required with regards to wall, floor, and roof penetrations to complete their work. Cut holes are to be no more than 1/2" larger than object meant to pass through it. The GCC is responsible for performing ALL penetrations through concrete, masonry and all roof surfaces with location and size information provided by the installing Prime Contractor. Sleeves required for foundation wall utility penetrations will be provided to the GCC by the utility installing Prime Contractor. All penetrations through GWB, plywood, or similar will be performed by the installing Prime Contractor. The GCC is responsible for installing affected finishes and shall perform all repair of finish work. If during the course of the progress construction, the GCC encounters any of the other Prime Contractors overcutting wall penetrations which require more repair than should be anticipated if performed as described above, the GCC shall notify the Architect/CM to assess the condition(s) and the Architect shall render a decision for corrective measures which will be final. All exposed finishes must be ready to receive paint, etc.; all concealed openings (piping, ductwork, conduit, etc.) must be repaired to comply with specified wall or deck conditions."

2. **DELETE** paragraph 1.08.B.5 in its entirety. **ADD** paragraph 1.08.B.5 in its place:

   "Backfill and corresponding compaction below footings and within the interior limits of the building will be performed by the GCC. Initial backfill and corresponding compaction of the exterior of the building will be performed by the SC, inclusive of the footing drains and will be coordinated with the GCC waterproofing installation."

3. **DELETE** paragraph 1.08.B.11 in its entirety. **ADD** paragraph 1.08.B.11 in its place:

   "Provide means as deemed necessary to provide continued concrete and masonry work throughout the Project schedule so as to complete by the Date of Substantial Completion and as recommended and permitted by the ACI 306 for Cold Weather Concreting and ACI 530.1 Section 1.8 Project Conditions."

4. **ADD** paragraph 1.08.B.40:

   "Provide access ramps into the "building footprint" over the foundations in locations as needed, at least eight feet wide, for buggies, wheel borrows, man lifts, hi-lows, etc., before the building foundations are backfilled."

5. **DELETE** paragraph 1.08.G.6. **ADD** paragraph 1.08.G.6:

   "Provide testing of installed system back to valves inside building per revised Note #4 on MEP201. Piping in C11A to be terminated at 4'-0" AFF and provide isolation valve for said testing."

6. **DELETE** paragraph 1.08, H, 6. **ADD** paragraph 1.08, H, 6 in its place:

   "The SC shall include within their base bid, a fee based on a project estimate of 1,800 Cubic Yards of in place rock removal & disposal. Please see specifications 012100 & 012200 for additional information."

7. **DELETE** paragraph 1.08, H, 7. **ADD** paragraph 1.08, H, 7 in its place:

   "Backfill and corresponding compaction below footings and within the interior limits of the building will be performed by the GCC. Initial backfill and corresponding compaction of the exterior of the building will be performed by the SC, inclusive of the footing drains and will be coordinated with the GCC waterproofing installation."

8. **DELETE** paragraph 1.08, H, 9.

9. **DELETE** paragraph 1.10, A. **ADD** paragraph 1.10, A in its place:

   "Sitework Contractor (SC) shall include within their Base Bid fees associated with the removal of One Thousand Eight Hundred cubic yards

(1,800 cy) of rock per Section 012100 Allowances. Actual field verified change in quantity, above or below this amount, will be reconciled via Unit Pricing add/deduct; See Section 012200 Unit Prices."

10. **DELETE** paragraph 1.15. **ADD** paragraph 1.15 in its place:

1.15 ATTACHMENTS

A. Project Milestone Schedule – as assembled by Project CM, this will be subject to change based on the actual execution of all related Prime contracts and upon review with the Prime Contractors.

B. Staging & Logistics Plan – as assembled by Project CM.

C. Beacon Rock Removal Overlay Plan – as assembled by A/E; this reference sketch depicts an overlay of the new addition exterior wall limits, the limits of the footings and the reference geotechnical boring log data and field test pit data establishing top of weathered shale for all locations and top of rock for geotechnical boring locations.

1. Bidders may utilize this overlay plan to interpolate their own estimates of likely rock removal for the project.
2. Bidders are still required to carry 1,800 cy of assumed rock removal in the Base Bid fees.
3. Weathered shale was encountered during the geotechnical boring process and is depicted and discussed in the geotechnical report boring logs. Similarly, weathered shale was observed and encountered during the excavation of the test pits shown on the reference sketch. The shale was weathered in composition and was "ripped" easily by a City DPW excavator thus not complying with the definition of "rock" in Section 312000-Earth Moving. By not qualifying as "rock" per this specification, the weathered shale material will be treated as "soil".

D. Existing Fire Station Construction Drawings – as detailed for construction by original architect. These reference plans are for bidders' reference for all new utility, pipe, conduit runs required for this project and how such runs may intersect with abandoned-in-place existing utility, pipe and conduit runs. Bidders are to reference these underground, under-slab and in-slab runs to calculate the necessary cuts and removals required to perform the new underground, under-slab and in-slab runs for the renovation scope.

C. Section 074213.13

1. **ADD** the attached specification section in its entirety.

D. Section 090600

1. **CHANGE** the floor finish in Room 112 to RFP-1.
2. **CHANGE** the floor finish in Room 113 to SC-1.
3. **CHANGE** the wall base in Room 218 to WB-6.

E. Section 102800

1. **DELETE** paragraph 2.04, B in its entirety.
2. **ADD** paragraph 2.0401, B in its place:

B. Combination Towel Dispenser/Waste Receptacle ([T27]): Semi-recessed-mounted, stainless steel; seamless wall flanges, continuous piano hinges, tumbler locks on upper and lower doors.

1. Waste receptacle liner: Reusable, heavy-duty vinyl.
2. Towel dispenser capacity: 8 inch wide, 800 foot long rolls.
3. Waste receptacle capacity: [12] gallons.
4. Power Supply: 6-volt DC power supply.
5. Despenser: Electronic sensor automatically dispenses towel when hands are placed under the towel opening.

6. Product: B-3979 manufactured by Bobrick.

3. **DELETE** paragraph 2.04, C in its entirety.
4. **DELETE** paragraph 2.04, E in its entirety.
5. **DELETE** paragraph 2.04, F in its entirety.
6. **DELETE** in paragraph 2.04, I, the text "(T6, T8 & T13)" and **ADD** the text "(T12, T13, & T14)".
7. **DELETE** in paragraph 2.04, J, the text "(T9)" and **ADD** the text "(T8)".
8. **DELETE** paragraph 2.04, K in its entirety.
9. **DELETE** paragraph 2.05, E in its entirety.

F. Section 233713

1. **ADD** the attached specification section in its entirety.

DRAWINGS

C200

1. **ADD** general note 10 to the drawing: **"**If there are any discrepancies between the Insite C200 drawing and the Collier LP-1 drawing, in the DOT right-of-way, the Collier LP-1 drawing shall prevail."

LP-1

1. **ADD** general note 3 to the drawing: **"**If there are any discrepancies between the Insite C200 drawing and the Collier LP-1 drawing, in the DOT right-of-way, the Collier LP-1 drawing shall prevail."

S-100:

1. See the attached sketch, S001, dated 4/3/2023, for a correction of a bottom of footing elevation.

A104

1. **ADD** a general note to the drawing: "Paint all mechanical equipment with a brick pattern."

MEP201

1. **DELETE** note: "4" GROUND SOURCE SUPPLY & RETURN PIPING TO PUMP (P-1, 2) LOCATED IN CLOSET (C11A). RUN PIPING 5'-0" BEYOND BUILDING COORDINATE EXACT LOCATION AND DEPTH WITH SITE CONTRACTOR."
2. **ADD** note: "4" GROUND SOURCE SUPPLY & RETURN PIPING TO PUMP (P-1, P-2) LOCATED IN CLOSET (C11A). RUN PIPING INTO CLOSET & PROVIDE ISOLATION VALVE AT 1'-6" AFF. COORDINATE EXACT LOCATION OF PIPE RISER WITH MECHANICAL CONTRACTOR & APPROVED PUMP CATALOG CUT"

M300

3. **DELETE** note: "4" GEOTHERMAL PIPING RUN 5'-0" BEYOND BUILDING. COORDINATE EXACT LOCATION AND DEPTH WITH SITE CONTRACTOR. SEE DRAWINGS (MEP200 & MEP201) FOR CONTINUATON OF PIPING."
4. **ADD** note: "4" GEOTHERMAL PIPING BY GEOTHERMAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PICK UP PIPING FROM ISSOLATION VALVE PROVIDED BY GEOTHERMAL CONTRACTOR. SEE DRAWINGS MEP200 & MEP201."

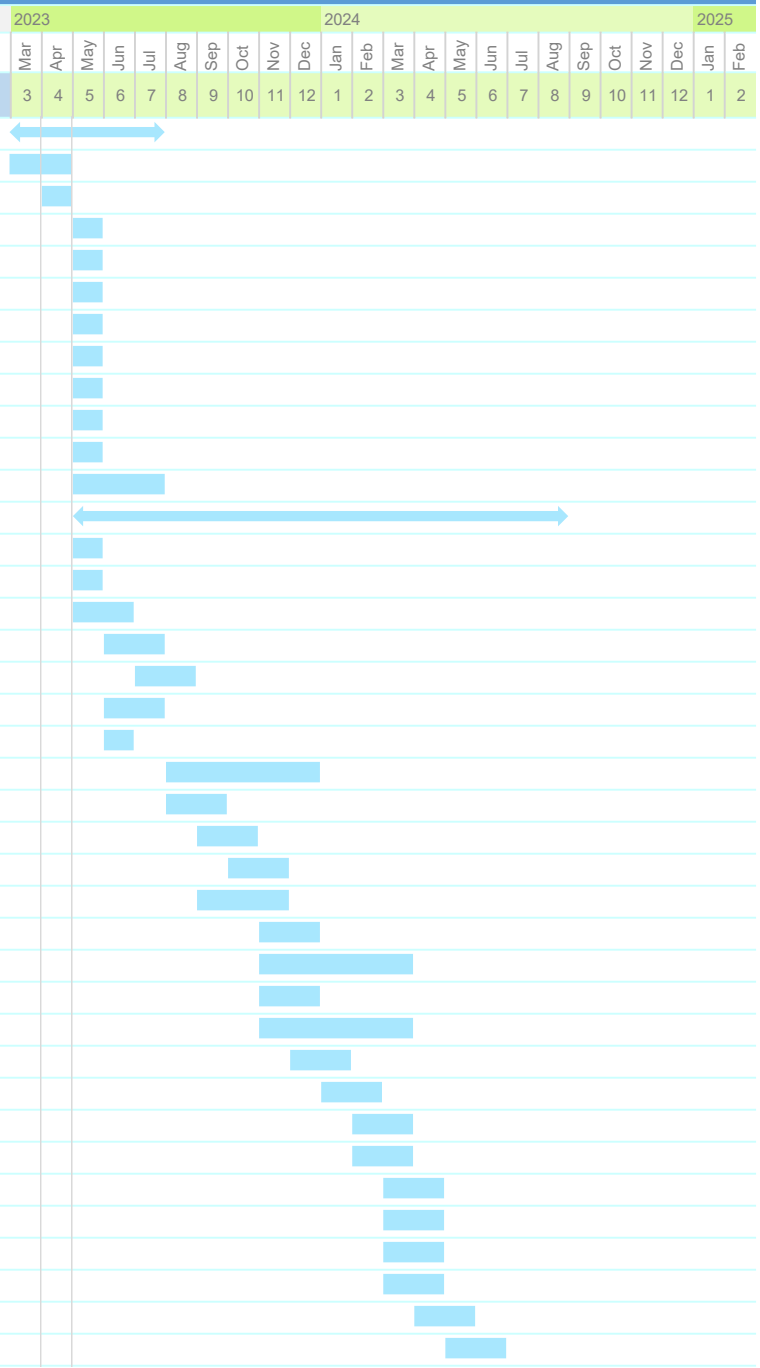
End of Addendum #1

City Of Beacon Fire House

Project Lead:

Budget: Estimated: $0.00 | Baseline: $0.00 | **Cost:** Estimated: $0.00 | Baseline: $0.00 | Actual: $0.00

WBS	Task Name	Resource Names	Start	Finish	Duration	Percent Complete
1	**Pre Construction**		**Tue 21-Mar-23**	**Mon 24-Jul-23**	**90**	**0%**
1.1	Bidding		Tue 21-Mar-23	Fri 21-Apr-23	24	0%
1.2	Contractors Qualification		Mon 24-Apr-23	Fri 28-Apr-23	5	0%
1.3	COB - Approval -Notice of Awrad		Mon 01-May-23	Mon 01-May-23	1	0%
1.4	Select Critical Submittals- GC		Tue 02-May-23	Mon 08-May-23	5	0%
1.5	Select Critical Submittals-MC		Tue 02-May-23	Mon 08-May-23	5	0%
1.6	Select Critical Submittals-PC		Tue 02-May-23	Mon 08-May-23	5	0%
1.7	Select Critical Submittals-EC		Tue 02-May-23	Mon 08-May-23	5	0%
1.8	Select Critical Submittals-FSC		Tue 02-May-23	Mon 08-May-23	5	0%
1.9	Select Critical Submittals-GTC		Tue 02-May-23	Mon 08-May-23	5	0%
1.10	Select Critical Submittals-SC		Tue 02-May-23	Mon 08-May-23	5	0%
1.11	All Other Submittals		Tue 02-May-23	Mon 24-Jul-23	60	0%
2	**Building Work**		**Mon 08-May-23**	**Tue 06-Aug-24**	**327**	**0%**
2.1	Mobilization		Mon 08-May-23	Tue 09-May-23	2	0%
2.2	Install Temp Construction Fence		Mon 08-May-23	Tue 09-May-23	2	0%
2.3	Building Demo		Mon 08-May-23	Fri 16-Jun-23	30	0%
2.4	Footings		Fri 09-Jun-23	Thu 06-Jul-23	20	0%
2.5	Foundation Walls		Fri 07-Jul-23	Thu 17-Aug-23	30	0%
2.6	Plumbers Rough In under Slab		Mon 19-Jun-23	Fri 14-Jul-23	20	0%
2.7	Interior Building Backfill		Mon 19-Jun-23	Fri 30-Jun-23	10	0%
2.8	Masonry		Fri 18-Aug-23	Thu 21-Dec-23	90	0%
2.9	Steel Erection		Fri 18-Aug-23	Thu 28-Sep-23	30	0%
2.10	Roofing		Fri 29-Sep-23	Thu 19-Oct-23	15	0%
2.11	Slab on grade concrete		Fri 20-Oct-23	Thu 02-Nov-23	10	0%
2.12	Rough Carpentry		Fri 29-Sep-23	Thu 09-Nov-23	30	0%
2.13	Electrical Rough In		Fri 10-Nov-23	Thu 21-Dec-23	30	0%
2.14	Mechanical Rough In		Fri 10-Nov-23	Thu 14-Mar-24	90	0%
2.15	Plumber Rough In walls		Fri 10-Nov-23	Thu 21-Dec-23	30	0%
2.16	Sprinkler Rough in		Fri 10-Nov-23	Thu 14-Mar-24	90	0%
2.17	Insulation		Fri 22-Dec-23	Thu 11-Jan-24	15	0%
2.18	Drywall & tapping		Fri 12-Jan-24	Thu 15-Feb-24	25	0%
2.19	Ceiling Gride Rough in		Fri 16-Feb-24	Thu 14-Mar-24	20	0%
2.20	Painting		Fri 16-Feb-24	Thu 14-Mar-24	20	0%
2.21	Electrical Finishes		Fri 15-Mar-24	Thu 04-Apr-24	15	0%
2.22	Plumbing Finishes		Fri 15-Mar-24	Thu 04-Apr-24	15	0%
2.23	Sprinkler Finishes		Fri 15-Mar-24	Thu 04-Apr-24	15	0%
2.24	Mechanical Finishes		Fri 15-Mar-24	Thu 04-Apr-24	15	0%
2.25	Owners equipment		Fri 05-Apr-24	Thu 09-May-24	25	0%
2.26	Finish Carpentry		Fri 10-May-24	Thu 13-Jun-24	25	0%

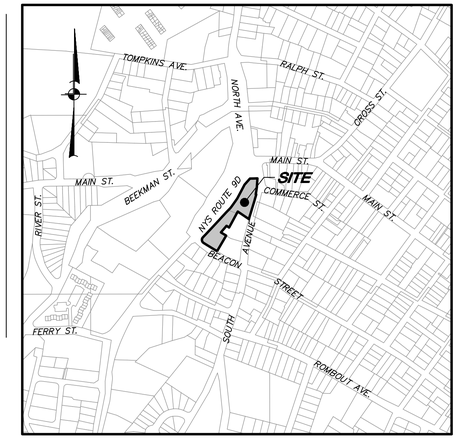


2.27	Ceiling Finish's	Fri 14-Jun-24	Thu 18-Jul-24	25	0%
2.28	Substantial completion	Fri 19-Jul-24	Fri 19-Jul-24	1	0%
2.29	Punch list Inspection	Mon 22-Jul-24	Tue 23-Jul-24	2	0%
2.30	Punch List work	Wed 24-Jul-24	Tue 06-Aug-24	10	0%
3	**SITE WORK**	**Mon 08-May-23**	**Tue 03-Sep-24**	**347**	**0%**
3.1	Erosions Control	Mon 08-May-23	Wed 10-May-23	3	0%
3.2	DOT traffic Control	Mon 08-May-23	Fri 22-Dec-23	165	0%
3.3	Building site Utilities Make safe EC,SC, GC	Fri 12-May-23	Thu 22-Jun-23	30	0%
3.4	New addition rock removal	Fri 12-May-23	Thu 08-Jun-23	20	0%
3.5	Excavation & Grading	Fri 09-Jun-23	Thu 13-Jul-23	25	0%
3.6	New site Utilizes	Fri 14-Jul-23	Thu 10-Aug-23	20	0%
3.7	Geo thermal wells	Fri 09-Jun-23	Thu 06-Jul-23	20	0%
3.8	Site Work backfill & prep	Fri 11-Aug-23	Thu 25-Jan-24	120	0%
3.9	Oil Separator	Fri 11-Aug-23	Thu 17-Aug-23	5	0%
3.10	Site Concrete	Tue 14-May-24	Mon 08-Jul-24	40	0%
3.11	Site Blacktop	Tue 09-Jul-24	Mon 22-Jul-24	10	0%
3.12	Landscaping	Tue 14-May-24	Mon 08-Jul-24	40	0%
3.13	Substantial completion	Fri 19-Jul-24	Fri 19-Jul-24	1	0%
3.14	Punch list Inspection	Mon 22-Jul-24	Tue 23-Jul-24	2	0%
3.15	Punchlist Work	Wed 24-Jul-24	Tue 06-Aug-24	10	0%
3.16	Project Closes Outs	Wed 07-Aug-24	Tue 03-Sep-24	20	0%

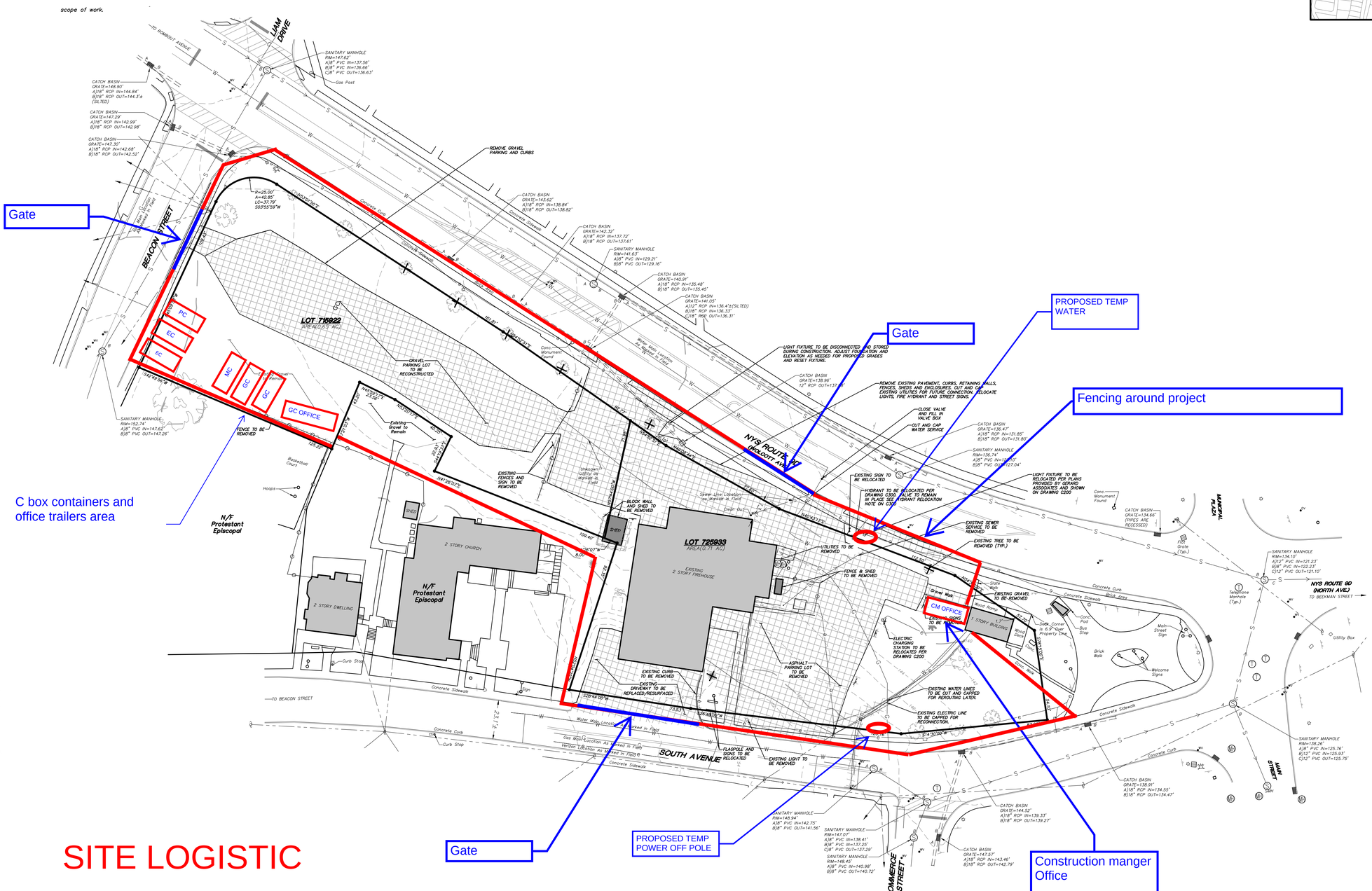
Type here to add a new task

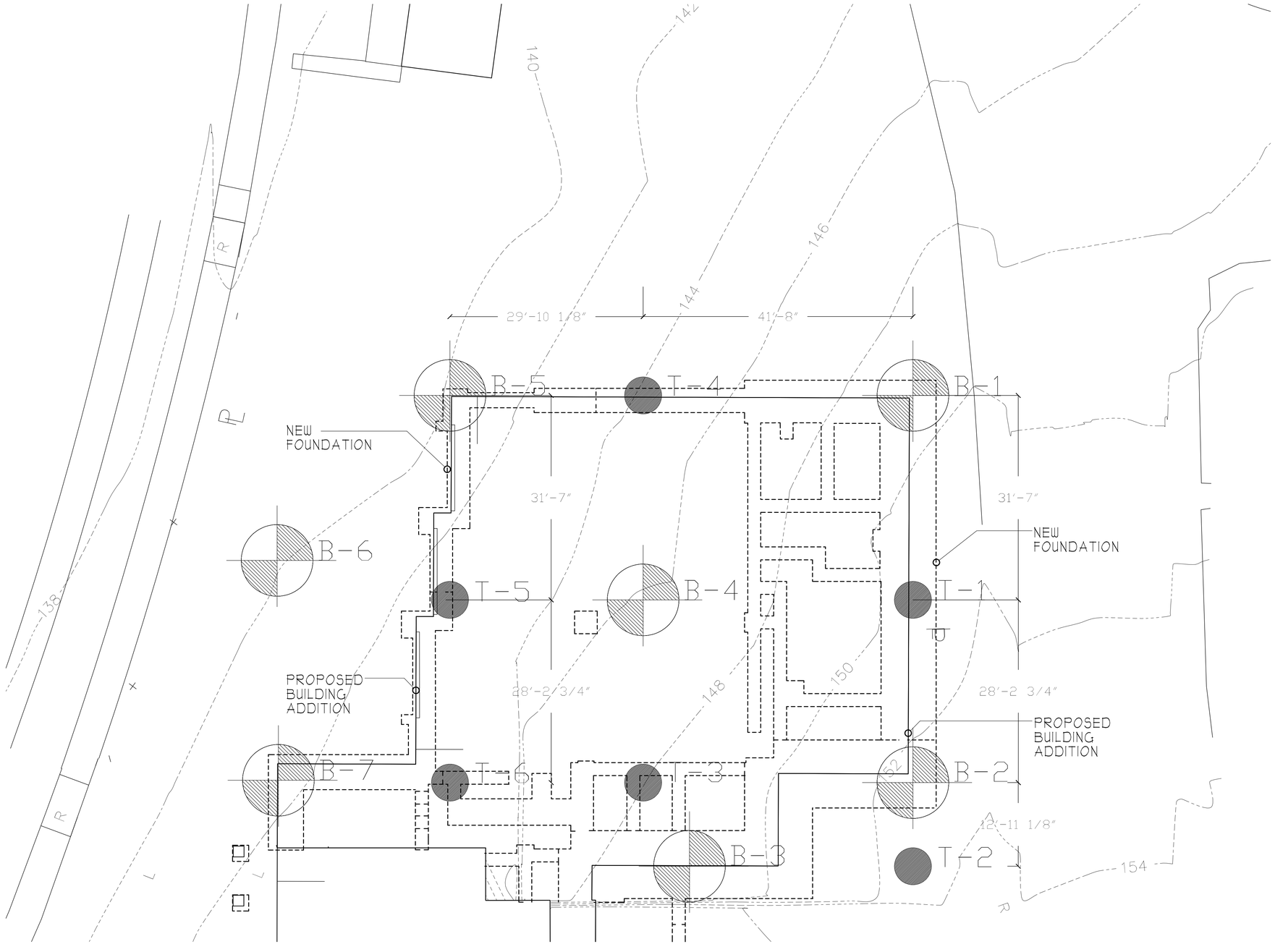
NOTES FOR SITE LOGISTIC

1.RED LINE IS TEMP FENCE 8' HIGH AND POST
2. STAGE AREA SITE CONTRACTOR IS RESPONSABLE OF REPAIR OF GRAVEL AREA ONCE PROJECT IS COMPLETE.



scope of work.





1 / A100 ROCK REMOVAL OVERLAY

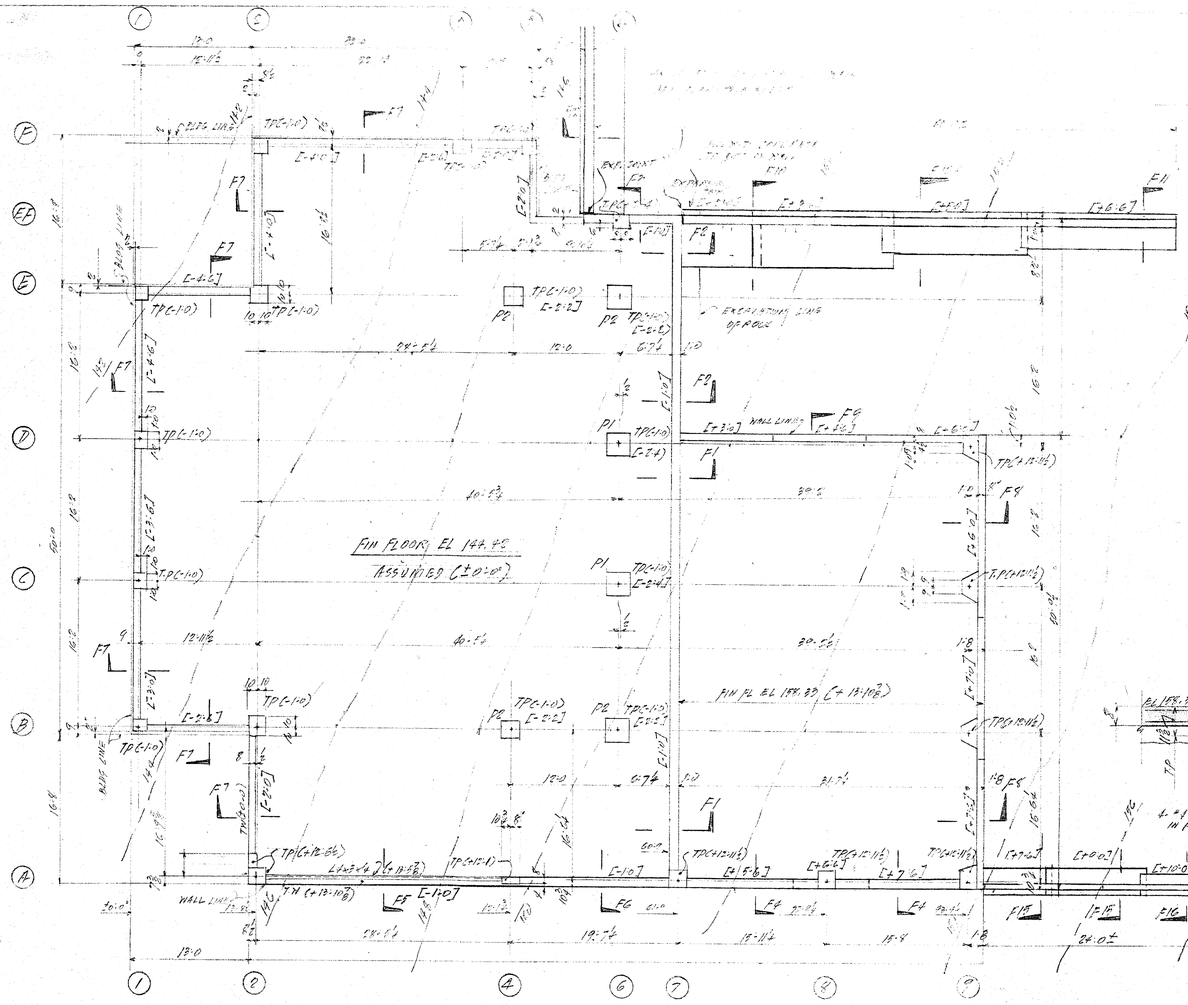
SCALE: 1/8" = 1'-0" PRINT ON 24 X 36 SHT

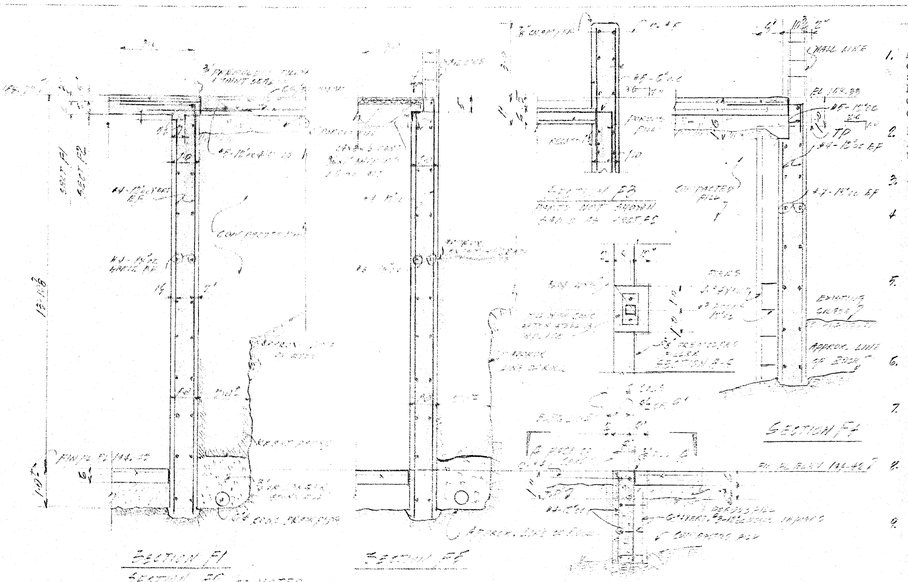
DATE: 03/28/2023

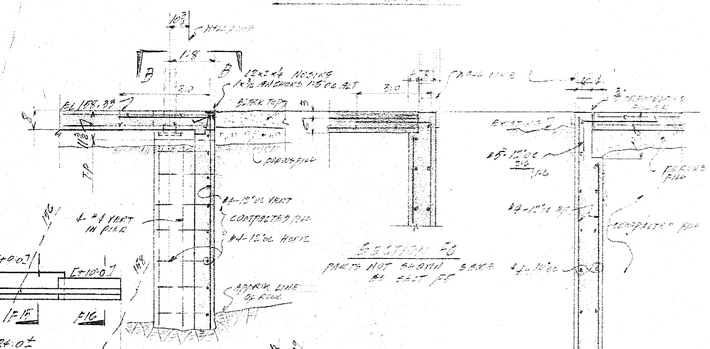
BORING LOCATIONS

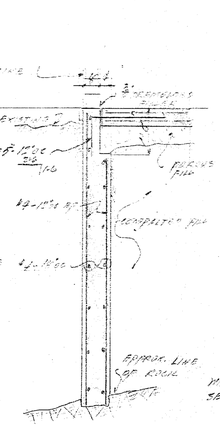
EXISTING BORING			
NO.	SURFACE ELEVATION	T/SHALE	T/ ROCK CORE
B1	149'	-1.5'	-4.0'
B2	153'	-3.5'	-5.0'
B3	149'	-2.8'	-4.0'
B4	146'	-3.0'	-4.0'
B5	142'	-10.5'	-12.0'
B6	140'	-4.8'	-6.0'
B7	141'	-4.5'	END OF BORING at -7.0'

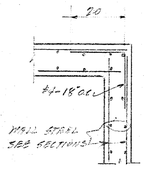
NEW TEST PIT			
NO.	SURFACE ELEVATION	T/SHALE	T/ ROCK CORE
T1	~ 153.67'	-3.0'	-5.0'
T2	~ 153'	-5.5'	-6.7'
T3	~ 148'	-2.0'	-3.2'
T4	~ 144'	-2.0'	-4.0'
T5	~ 142.67'	-2.7'	-3.8'
T6	~ 143.33'	-2.7'	-4.5'

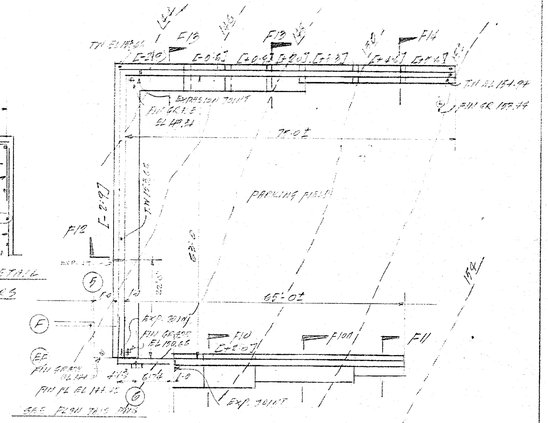


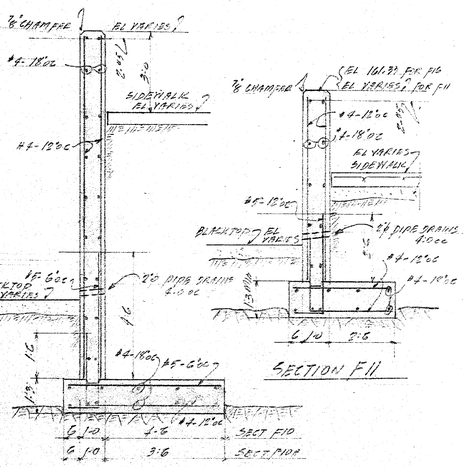


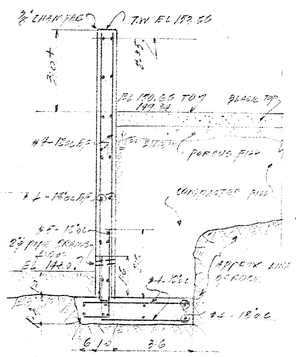


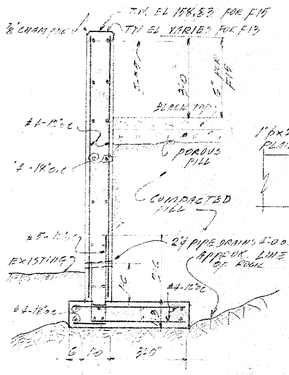


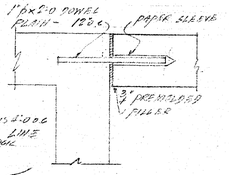


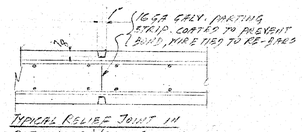


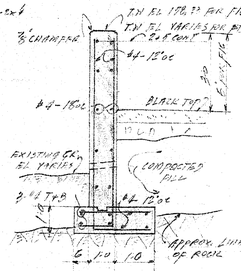


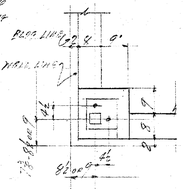












PIER SIZES

P1 2'-6"x2'-6"x1'-4" - 6'-8" EW

P2 [illegible]

FOUNDATION NOTES

1. All concrete for walls, footings, slabs on grade, steps etc. shall be controlled stone concrete with a minimum of 3000 PSI at 28 days. Submit preliminary design for approval before placing concrete.
2. Reinforcing steel-standard deformed bars ASTM A615-40. Wiremesh-electric welded mesh astm A185.
3. All walls and footings shall bear on undisturbed soil of 12 ton bearing capacity.
4. Backfilling against foundation walls, subject to lateral pressures, shall not be done, unless walls are adequately braced, or until upper level floor slab has been poured.
5. Slabs on ground shall be 6"thick,except in Apparatus Room,reinforced with mesh style 66/1010.
   Slab in Apparatus Room shall be 8"thick reinforced with mesh style 66/66 top and bottom.
6. Elevations given for bottom of footings are tentative and subject to change due to field conditions.
7. All concrete work, details and construction shall conform to ACI 318, latest edition.Submit preliminary design mix for approval before placing concrete.
8. Contractor shall set all anchorbolts, inserts,pipe sleeves and all other built-in items required by other trades before placing concrete.
9. Abbreviations used:
   TW= top of wall; TS= top of slab
   LL=top of ledge; EW= each way
   EF= each face; TP= top of pier
10. Fin Lower Floor El. 144.42 has been assumed as (±0-0). Figures given thus (+) are to bottom of concrete or assumed top of existing rock. Figures given thus (+) or (-) are to top of concrete.

FOR CONSTRUCTION 8-27-79

BEACON COMMUNITY DEVELOPMENT AGENCY
420 WOLCOTT AVENUE, BEACON, NEW YORK

BEACON FIREHOUSE IMPROVEMENTS

TOMPKINS HOSE COMPANY
PROJECT NO B77-HS-36-0101

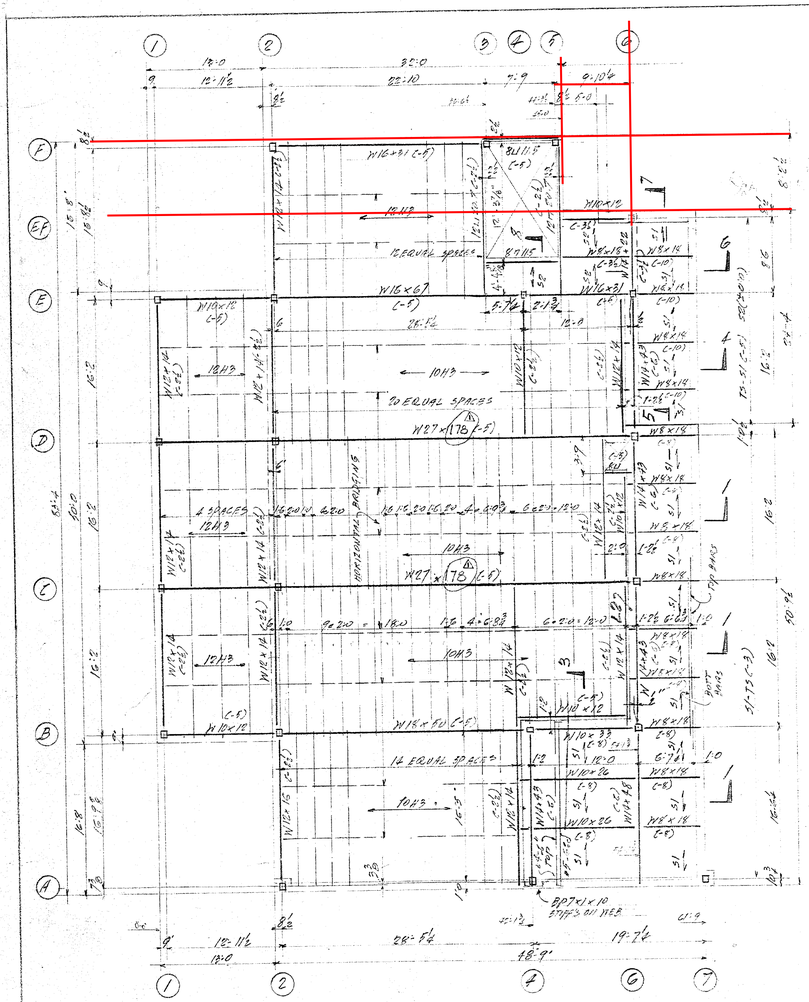
FOUNDATION PLAN

the office of ira kessler architect
452 MAIN ST; BEACON, N.Y. 12508 (914)-831-7096

DRAWING NUMBER S-1

SCALE AS SHOWN | PROJECT NO 7702-C | DRAWN BY | DATE JUNE 1, 1979

WILLIAM R GOERKE PE
WOODMERE N.Y.



UPPER LEVEL FRAMING PLAN

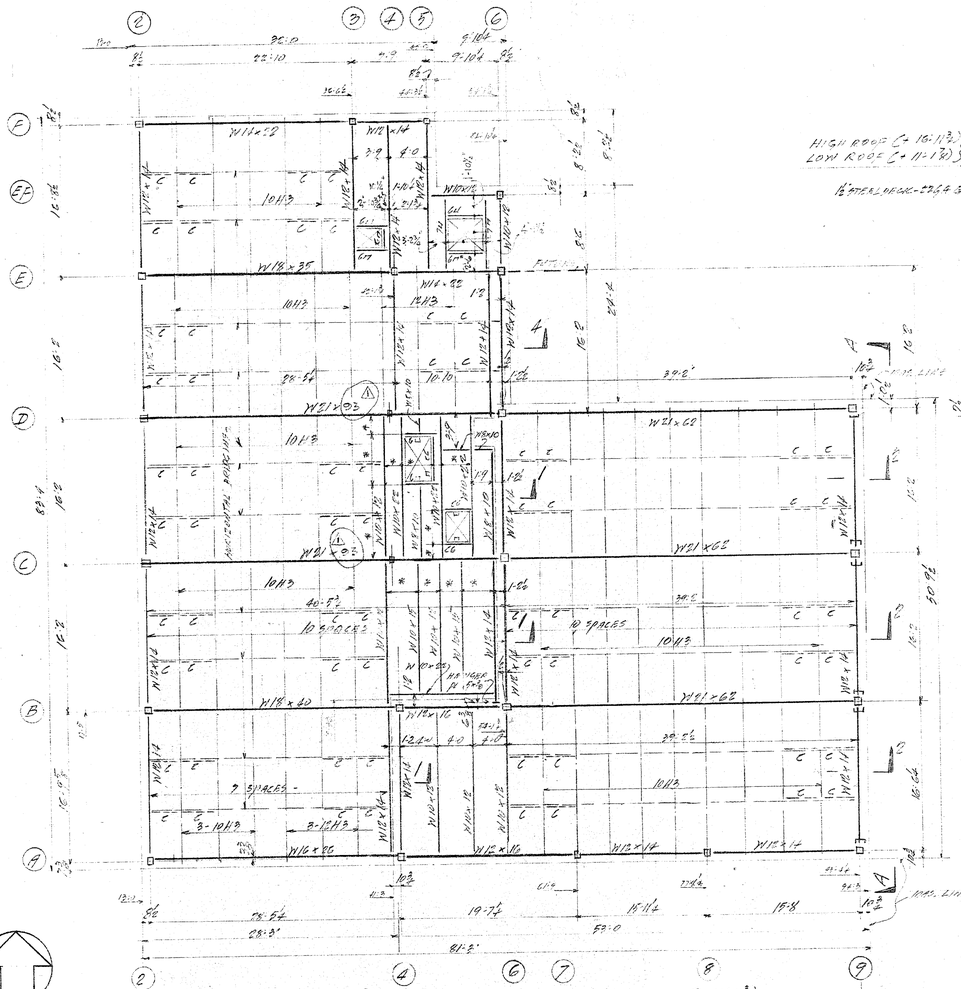
FIN FLOOR EL 159.33 ASSUMED (±0-0)
ELEVATIONS GIVEN THUS (-) ARE TO TOP OF STEEL FROM FIN FLOOR EL 159.33.

SLAB REINFORCEMENT

'S1' - 6" SC SLAB - #5 @ 6" OC BOTT - #4 @ 6" OC TOP
TEMP. STEEL #4 @ 12" OC
'S2' - 4" SC SLAB - #3 @ 8" OC BOTT - #3 @ 8" OC TOP
TEMP. STEEL #3 @ 12" OC

LOOSE LINTELS

L1 - 2L - 5"x3½"x⅜" - N.O. PLUS 1'0
PROVIDE 2L - 8"x3½"x¼" FOR OTHER OPENINGS - MULTIO

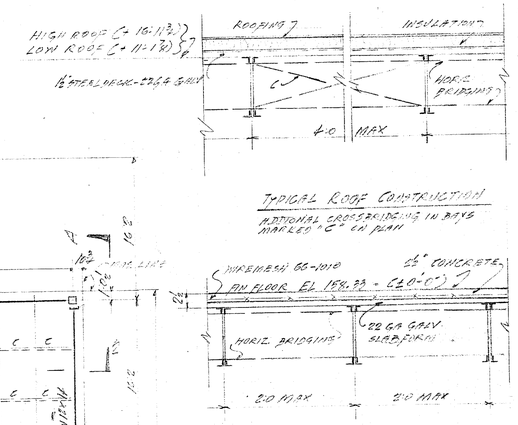


HIGH & LOW ROOF FRAMING PLAN

LOW ROOF - TOP OF JOISTS (+ 11'-1½")
HIGH ROOF - TOP OF JOISTS (+ 16'-1½")

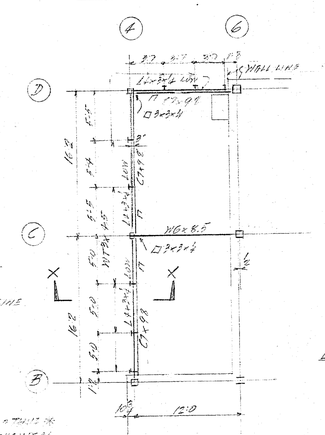
ALL STEEL SUPPORTING JOISTS TO BE (C-26) BELOW TOP OF JOISTS.

NOTE: DIMENSIONS OMITTED ARE MARKED THUS ** ARE TO BE COORDINATED WITH MECHANICAL APPROVED EQUIPMENT DRAWINGS



TYPICAL ROOF CONSTRUCTION
ADDITIONAL CROSSBRIDGING IN BAYS MARKED 'C' ON PLAN

TYPICAL FLOOR CONSTRUCTION



EQUIPMENT ENCLOSURE

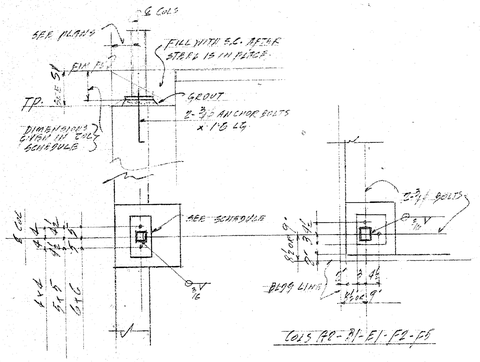
SECTION X-X

STRUCTURAL STEEL NOTES:

1. All structural steel shall conform to ASTM A3 6. Producer of steel shal submit affidavit showing compliance of the steel with the above requirements.
2. Design, fabrication and erection shall conform to the "Manual of Steel Construction" AISC. latest edition.
3. Shop connections, and field connections within 3feet of columns shall be welded riveted or HS bolts. (A325).
4. Rivets and bolts shall be 3/4 inch.
5. Contractor shall submit checked anchor-bolt plans, erection drawings and shop details for approval before starting work. Contractor shall verify location of anchorbolts and other pertinent dimensions at site.
6. Provide milled stiffeners under offset columns and for girders ober top of columns.
7. All concrete shall be controlled stone concrete with a minimum of 3000 PSI in 28 days
8. Reinforcing steel- standard deformed bars ASTM A615-40. Wiremesh shall be electric welded mesh conforming to ASTM A185 and ASTM A82.

COLUMN SCHEDULE
LOADS SHOWN IN KIPS

	A2	A4	A7	A8	A9	B1	B2	B4	B6	B9	C1/D1	C8	C6	C9	D2	D6	D9	E1	E8	E4	E6	F8	F3	F5	EF6
HIGH ROOF TOP OF JOISTS EL 176.91	5'-9"	8'	8'	8'	8'	5'	5'	5'	8'	8'	8'	5'	5'	5'	5'	5'	5'	8'	16'	6'	5'	5'	5'	5'	8'
LOW ROOF TOP OF JOISTS EL 168.48	11'-1"	8'	8'	8'	8'	5'	5'	5'	8'	8'	8'	5'	5'	5'	5'	5'	5'	8'	16'	6'	5'	5'	5'	5'	8'
FIN FL EL 159.33 (ASSUMED ±0-0)	19'-10½"																								
FIN FL EL 149.50																									
BASEPLATES 1ST DIMENSIONS IN ( ) - S.	12½"x10"	——	7"x1'-1"	7"x1'-1"	13"x1'-7"	10"x1'-0"	7"x1'-0"	10"x1'-1"	10"x1'-1"	10"x1'-1"	12"x1'-0"	——	15"x1'-5"	13"x1'-7"	——	11"x1'-3"	10"x1'-7"	10"x1'-10"	7"x1'-0"	8"x1'-0"	7"x1'-0"	9"x1'-0"	6"x1'-0"	10"x1'-0"	8"x9½"



WILLIAM R GOERKE PE
WOODMERE N.Y.

FOR CONSTRUCTION 8.27.79

NO	DESCRIPTION	DATE
1	ADDENDUM No 1	9-27-79

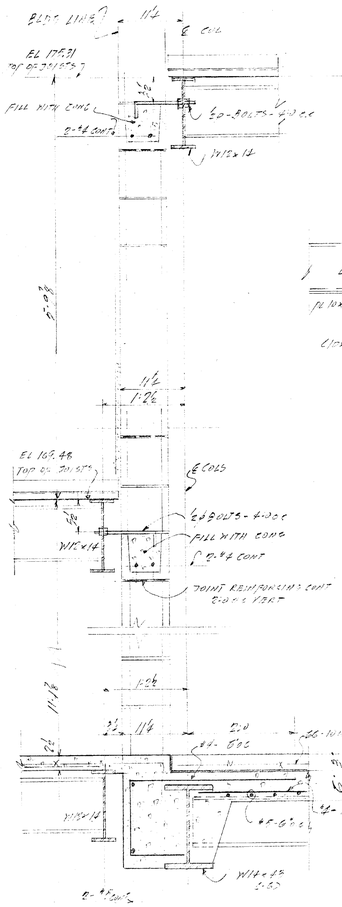
REVISIONS

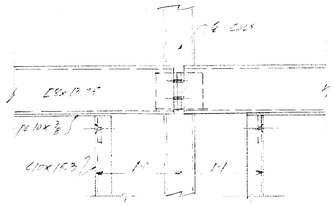
BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK
BEACON FIREHOUSE IMPROVEMENTS
TOMPKINS HOSE COMPANY
PROJECT No 577-HS-36-0101
UPPER TIER & ROOF FRAMING PLANS

the office of ira kessler architect
432 MAIN ST; BEACON, N.Y. 12508 (914)-831-7016

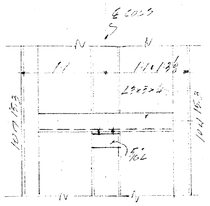
DRAWING NUMBER S.2

SCALE AS SHOWN | PROJECT NO 7702-C | DRAWN BY | DATE JUNE 1, 1979





DETAIL 'A' - TYPICAL

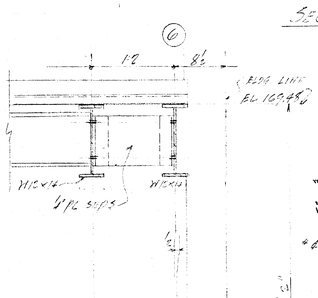


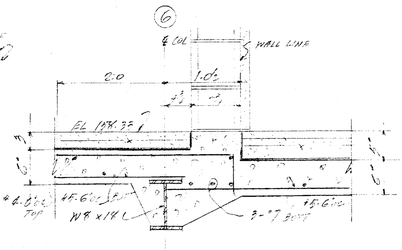
DETAIL 'B' - TYPICAL

SECTION 1

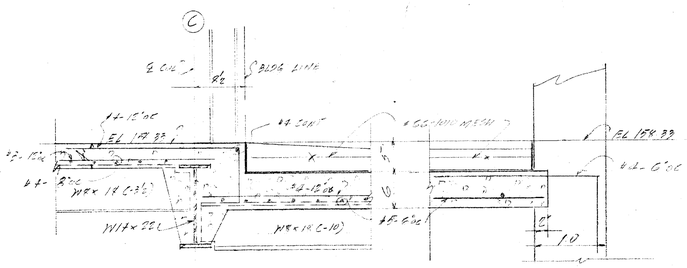
SECTION 2

SECTION 3

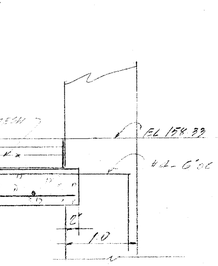




SECTION 5



SECTION 6
PARTIAL PLAN SAME AS SECT 4



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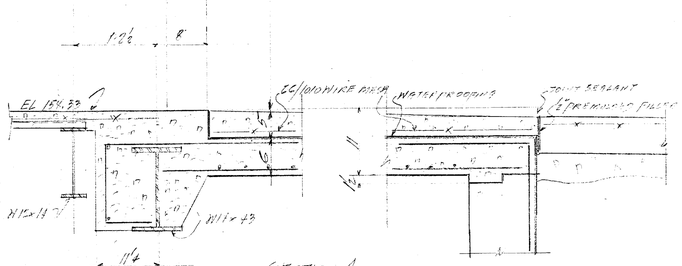
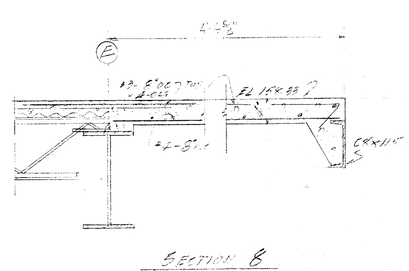
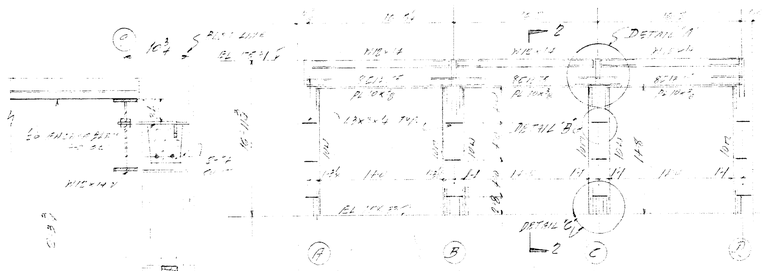


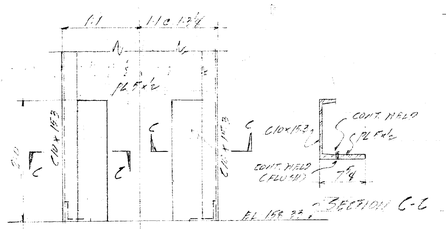
SECTION 4



SECTION 8

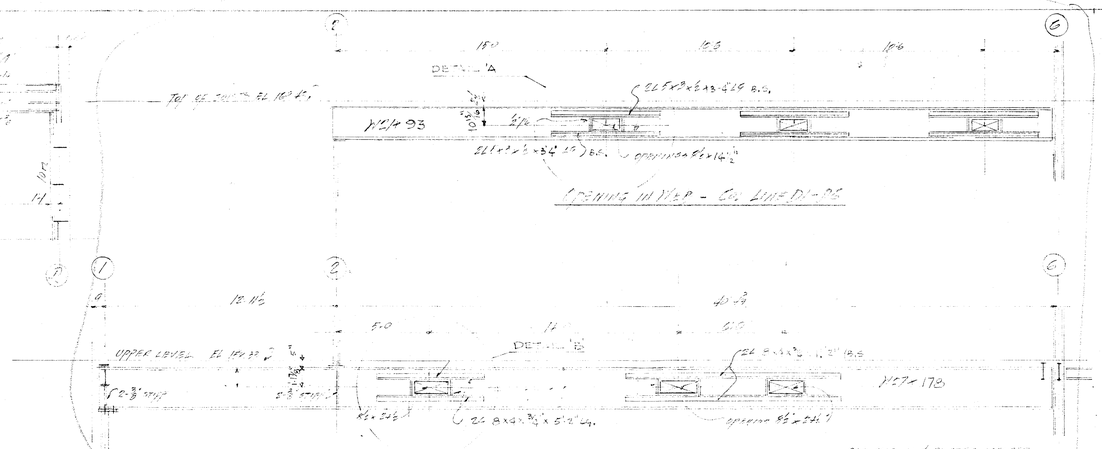


ELEVATION A-A

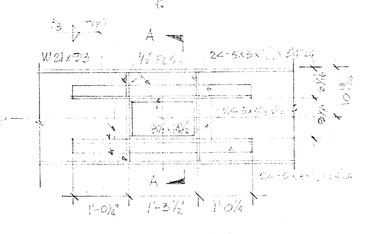


DETAIL C

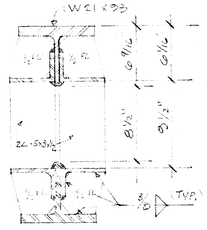
SECTION C-C



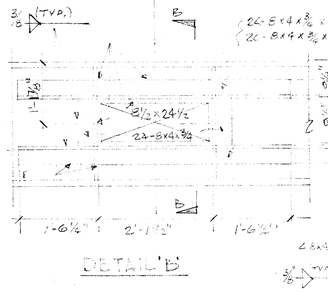
OPENING IN W24 - COLUMNS C1-C6 & D1-D6



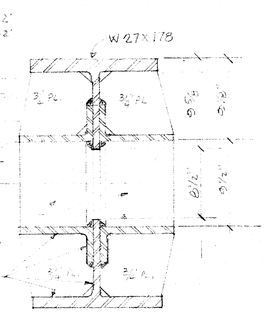
DETAIL "A"



SECTION A-A



DETAIL 'B'



SECTION

WILLIAM R. GOEKE PE
NUMBER E N-1

NO.	DESCRIPTION	DATE
	FOR CONSTRUCTION	8-27-79
1	ADDENDUM NO. 1	9-27-79

REVISIONS

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK

BEACON FIRE HOUSE IMPROVEMENTS

TOWN OF BEACON
PROJECT No. 317-145-79-010

DETAILS

the office of ira kessler architect
432 MAIN ST. BEACON, NY 12508 (914) 831-7090

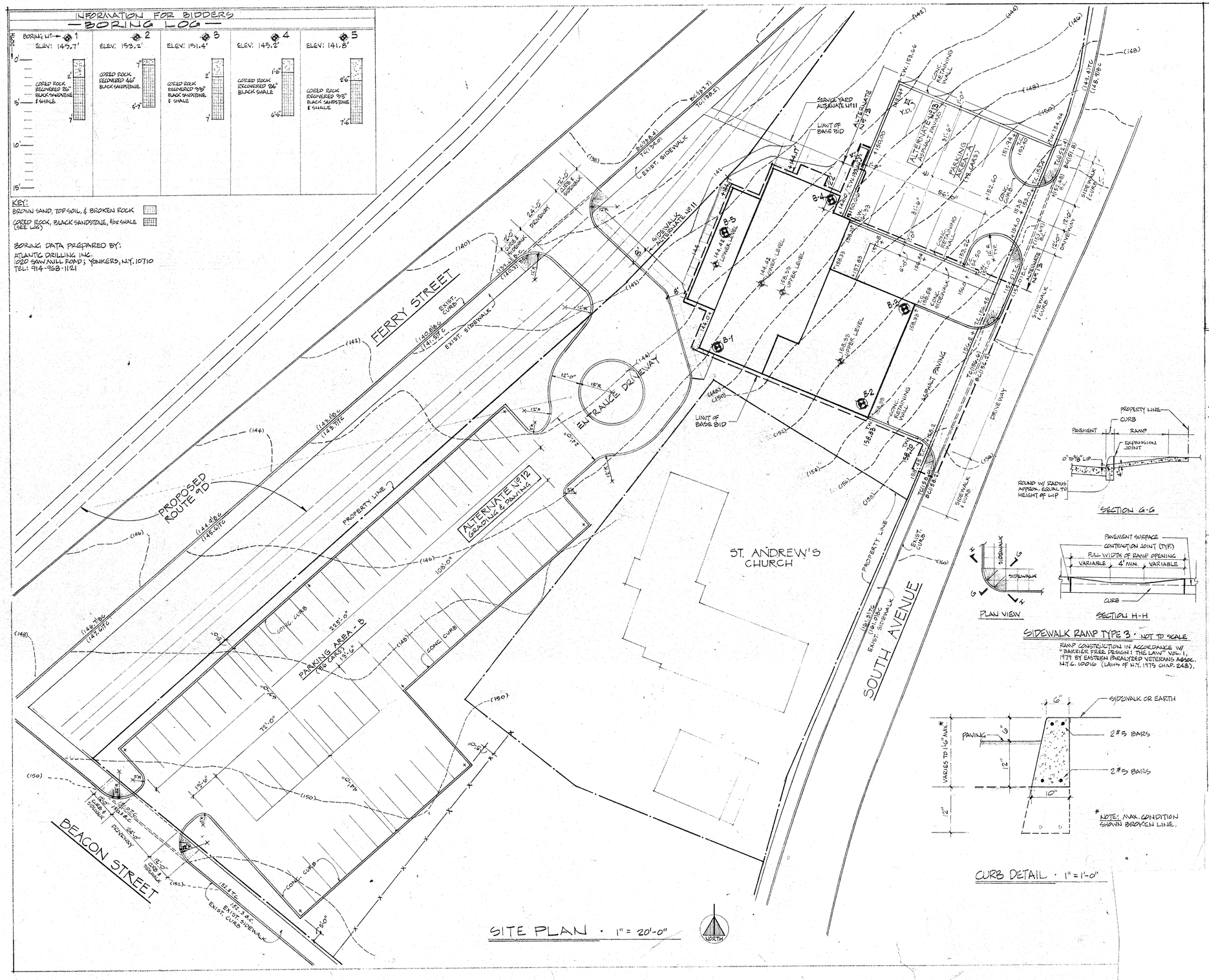
DRAWING NUMBER S-3

SCALE AS SHOWN | PROJECT NO. 7901.C | DRAWN BY | DATE JUNE 1979

INFORMATION FOR BIDDERS
—BORING LOG—

KEY:
BROWN SAND, TOPSOIL, & BROKEN ROCK
CORED ROCK, BLACK SANDSTONE, & OR SHALE (SEE LOG)

BORING DATA PREPARED BY:
ATLANTIC DRILLING INC.
1020 SAW MILL ROAD; YONKERS, N.Y. 10710
TEL: 914-968-1121



SITE PLAN · 1" = 20'-0"

SECTION G-G

PLAN VIEW

SECTION H-H

SIDEWALK RAMP TYPE 3 · NOT TO SCALE

RAMP CONSTRUCTION IN ACCORDANCE W/ "BARRIER FREE DESIGN: THE LAW" VOL. 1, 1979 BY EASTERN PARALYZED VETERANS ASSOC. N.Y.C. 10010 (LAWS OF N.Y. 1975 CHAP. 248).

*NOTE: MAX. CONDITION SHOWN BROKEN LINE.

CURB DETAIL · 1" = 1'-0"

LIST OF DRAWINGS

Number	Drawing Title
A-1	Site Plan
A-2	Lower Level Plan
A-3	Upper Level Plan
A-4	Roof Plan & Details
A-5	Elevations
A-6	Section
A-7	Wall Sections
A-8	Reflected Ceiling Plans
A-9	Stair Details & Miscellaneous Details
A-10	Schedules and Details
S-1	Foundation Plan & Details
S-2	Upper Tier Framing, Roof Framing Details
S-3	
HVAC-1	Lower Level Plan
HVAC-2	Upper Level Plan.
P-1	Site Plan
P-2	Lower Level Plan
P-3	Upper Level Plan
E-1	Site Plan
E-2	Lower Level Plan - Power
E-3	Upper Level Plan - Power
E-4	Lower Level Plan - Lighting
E-5	Upper Level Plan - Lighting
E-6	Lower Level Plan - Communications
E-7	Upper Level Plan - Communications
E-8	Schedules & Riser Diagrams

LEGEND & SYMBOLS

- CONCRETE BLOCK
- EXTERIOR WALL SYSTEM
- METAL STUD & GYPSUM BOARD
- REINFORCED CONCRETE
- (154) EXISTING GRADES
- 142 NEW GRADES
- B-2 BORING LOCATION & NUMBER
- LIMIT OF BASE BID
- PROPERTY LINE
- TYPE 3 SIDEWALK RAMP (SEE DETAIL THIS DWG.)

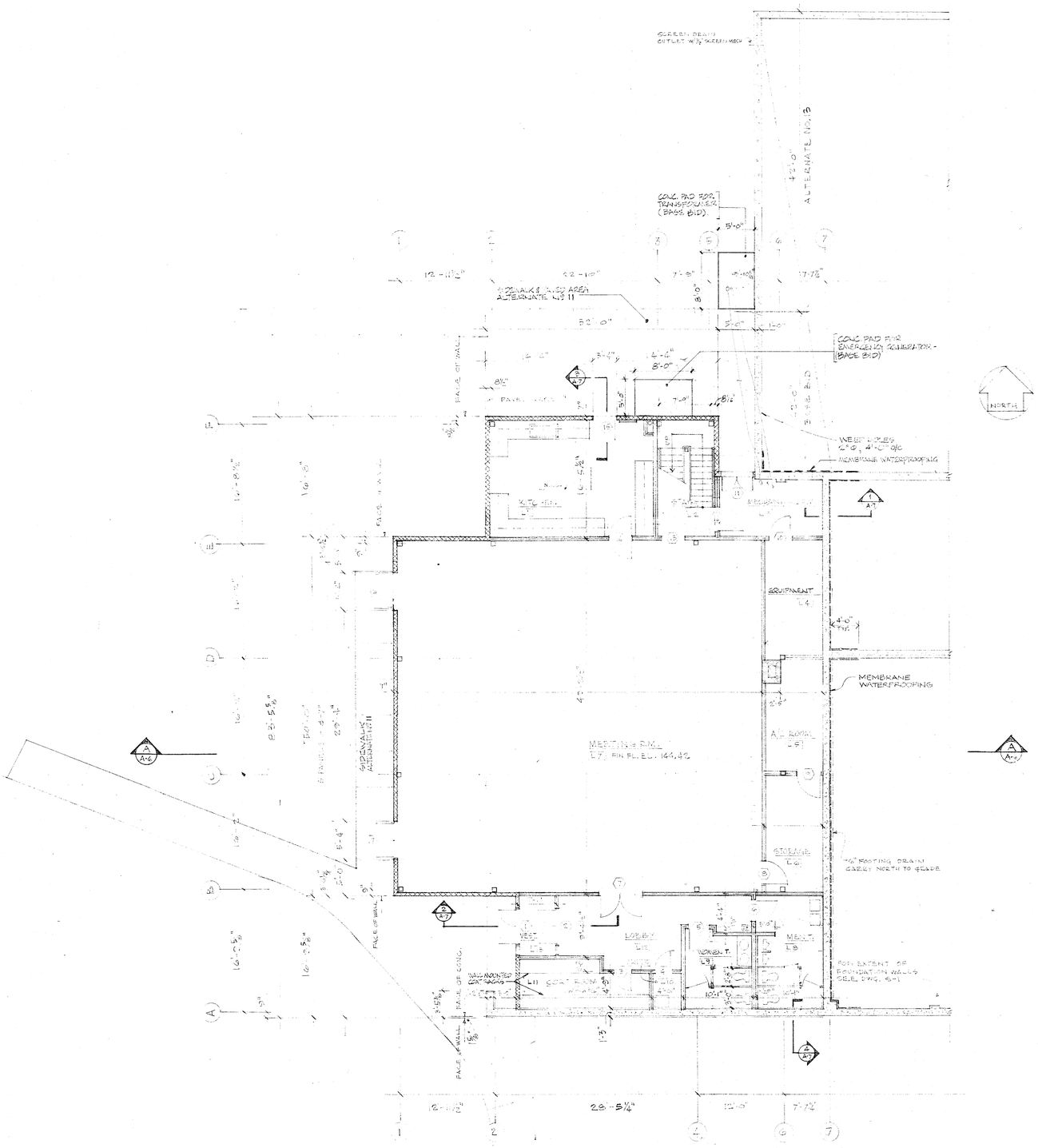
ABBREVIATIONS

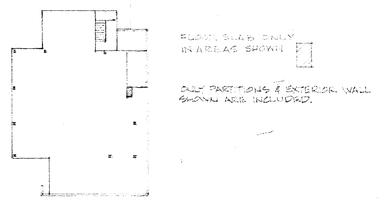
T.C.	TOP OF CURB
T.W.	TOP OF WALL
B.C.	BOTTOM OF CURB
GYP. BD	GYPSUM BOARD
V.A.T.	VINYL ASBESTOS TILE
CLG.	CEILING
CER.	CERAMIC
ALUM.	ALUMINUM
MTL.	METAL
H.M.	HOLLOW METAL
Y.D.	YARD DRAIN
R.D.	ROOF DRAIN
D.F.	DRINKING FOUNTAIN

DRWG A-1

NO.	DESCRIPTION	BY	DATE

REVISIONS





SCHEMATIC PLAN
OF BASE BID - LOWER LEVEL
NO SCALE

FOR CONSTRUCTION 8.07.79

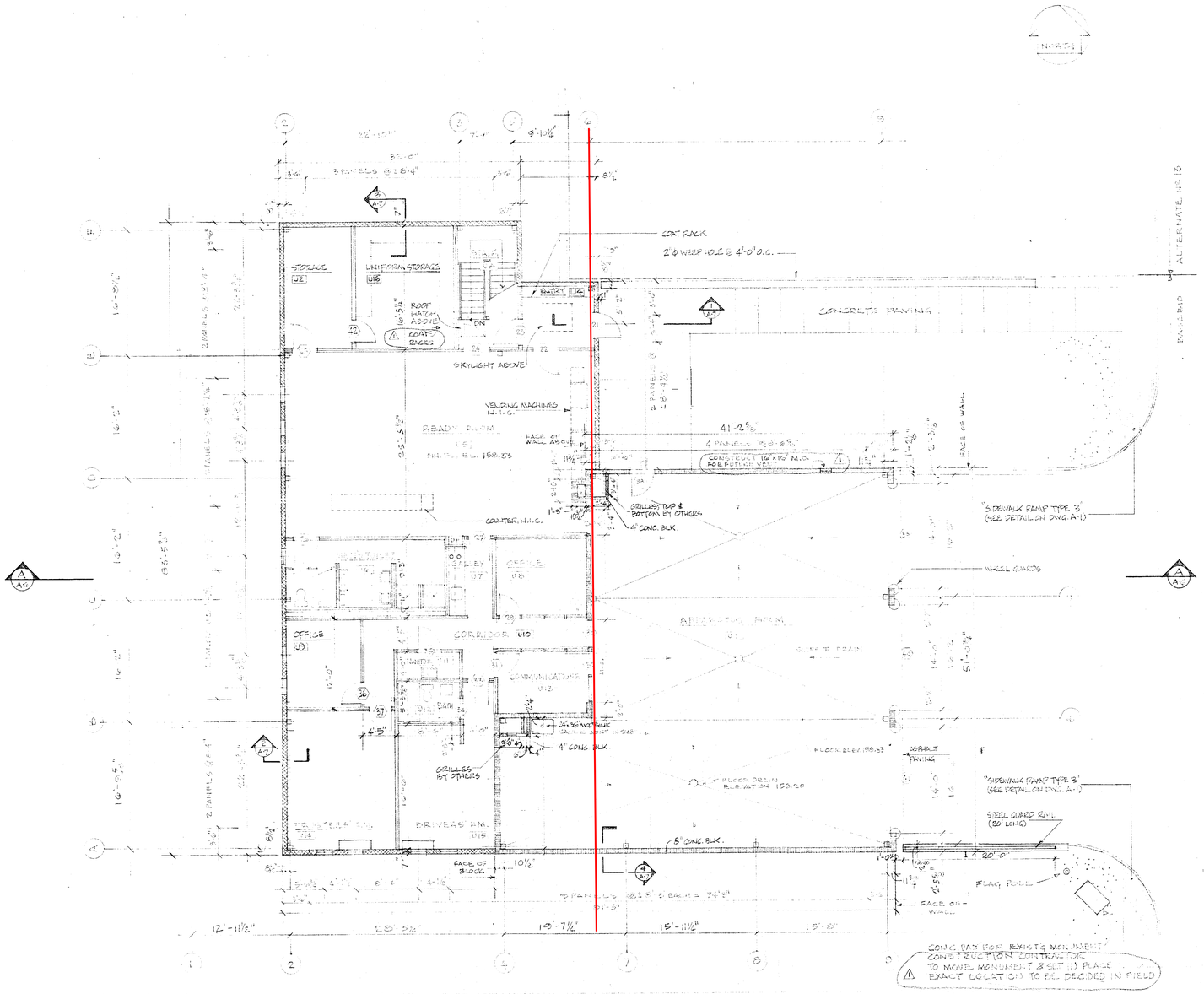
FOR BOARD OF PUBLIC WORKS & WATER & SEWER AVENUE PEEKSKILL, NEW YORK
PROPOSED IMPROVEMENTS

PARKING HOUSE COMPANY
PROJECT NO. STT-49-86-0 PI
CLINTON SQUARE PEEKSKILL

the office of ira kessler architect
432 Main St. Beacon, N.Y. 12508 (914) 831-7096

DRAWING NUMBER A-2

SCALE 1/8"=1'-0" | PROJECT NO. 7706 | DRAWN BY R.L. | DATE 8.07.79



FOR CONSTRUCTION 8-27-79

NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	9-27-79

REVISIONS

BEACON COMMUNITY DEVELOPMENT AGENCY
CO WOLCOTT AVENUE BEACON, NEW YORK

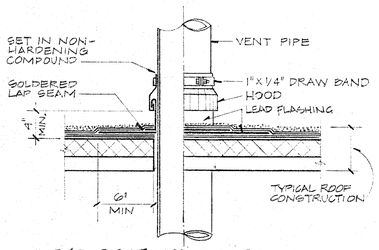
BEACON FIREHOUSE IMPROVEMENTS

TOMPKINS HOSE COMPANY
PROJECT No. 877-HS-79-01
UPPER LEVEL PLAN

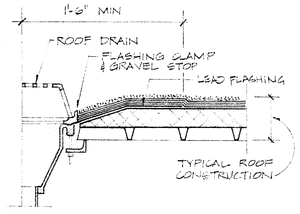
the office of ira kessler | **architect**
432 Main St. Beacon, N.Y. 12508 (914) 831-7096

DRAWING NUMBER A-3

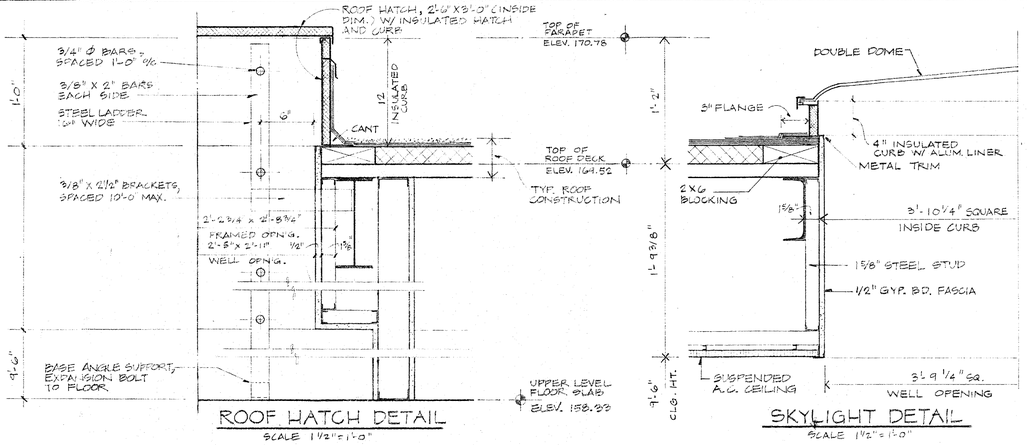
SCALE 1/4" | PROJECT NO. 7726 | DRAWN BY [illegible] | DATE JUNE 1, 1979



TYP. ROOF VENT DETAIL
SCALE: 1½" = 1'-0"

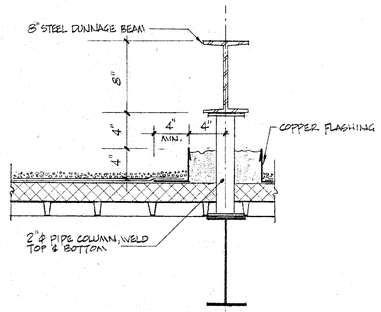


TYP. ROOF DRAIN DETAIL
SCALE: 1½" = 1'-0"

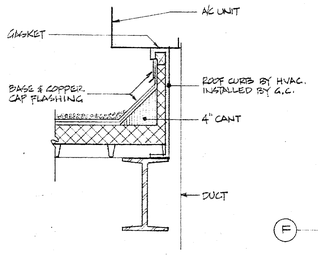


ROOF HATCH DETAIL
SCALE 1½" = 1'-0"

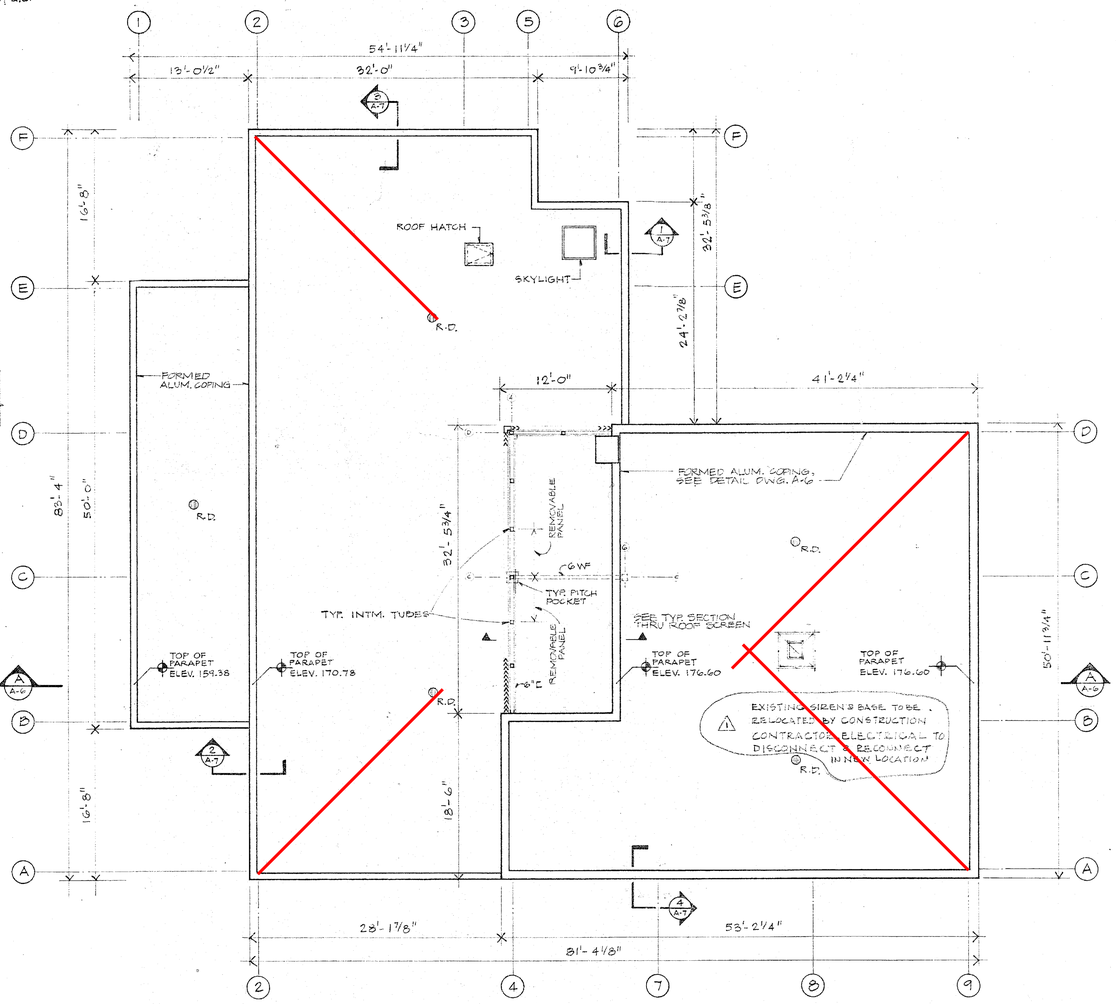
SKYLIGHT DETAIL
SCALE 1½" = 1'-0"



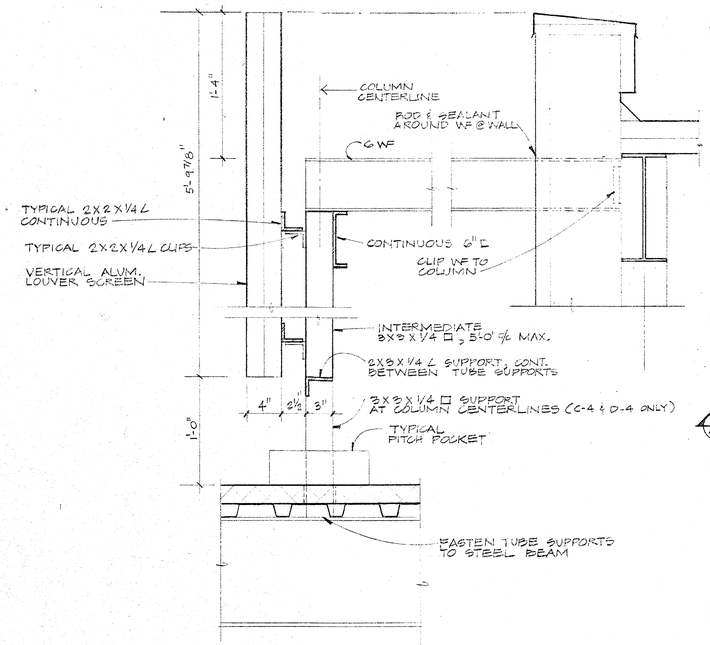
PITCH POCKET DETAIL
SCALE: 1½" = 1'-0"



A/C CURB DETAIL
SCALE: 1½" = 1'-0"



ROOF PLAN



TYP. SECTION THRU ROOF SCREEN
SCALE 1½" = 1'-0"

FOR CONSTRUCTION 8.27.79

DATE	DESCRIPTION	DATE
1	ADDENDUM No. 1	9.27.79

REVISIONS

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK

BEACON FIREHOUSE IMPROVEMENTS

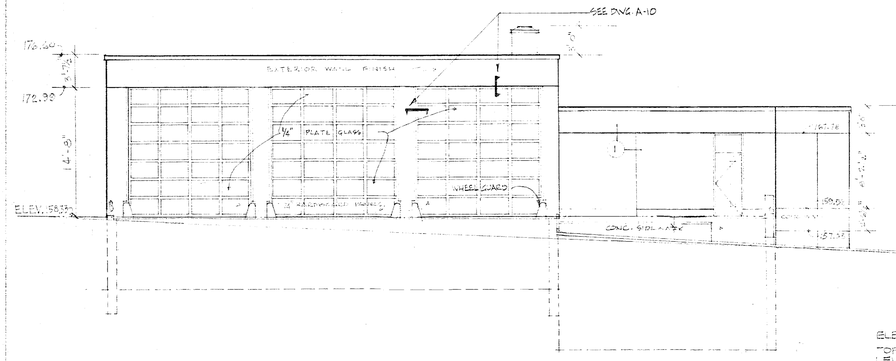
TOMPKINS HOSE COMPANY
PROJECT No 877-145-360-0101

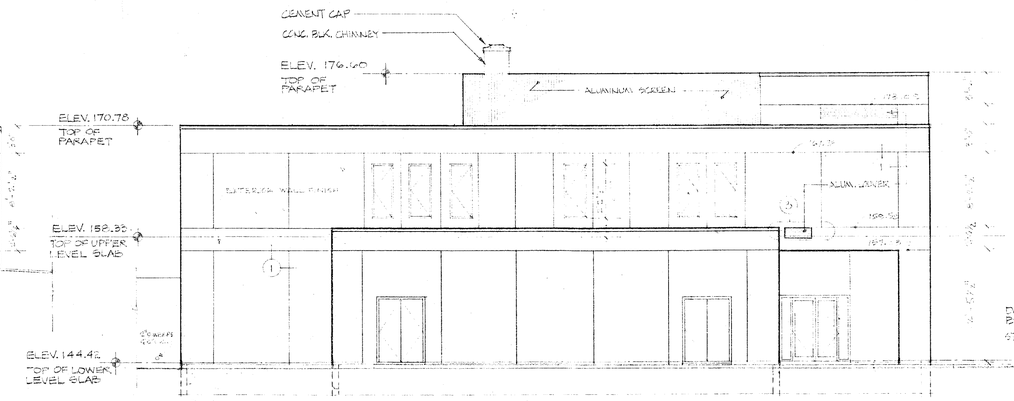
ROOF PLAN & DETAILS

the office of ira kessler architect
432 MAIN ST. BEACON, N.Y. 12508 (914)-831-7096

DRAWING NUMBER A-4

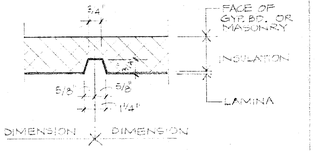
SCALE	PROJECT NO	DRAWN BY	DATE
3/4" & 1'-0"	7702-C		JUNE 1, 1979



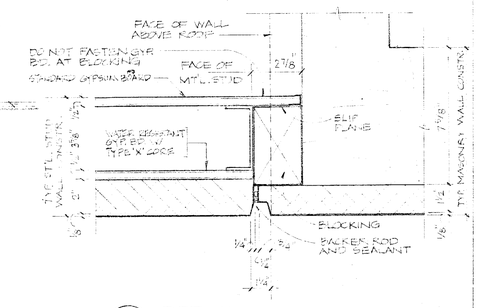


EAST ELEVATION

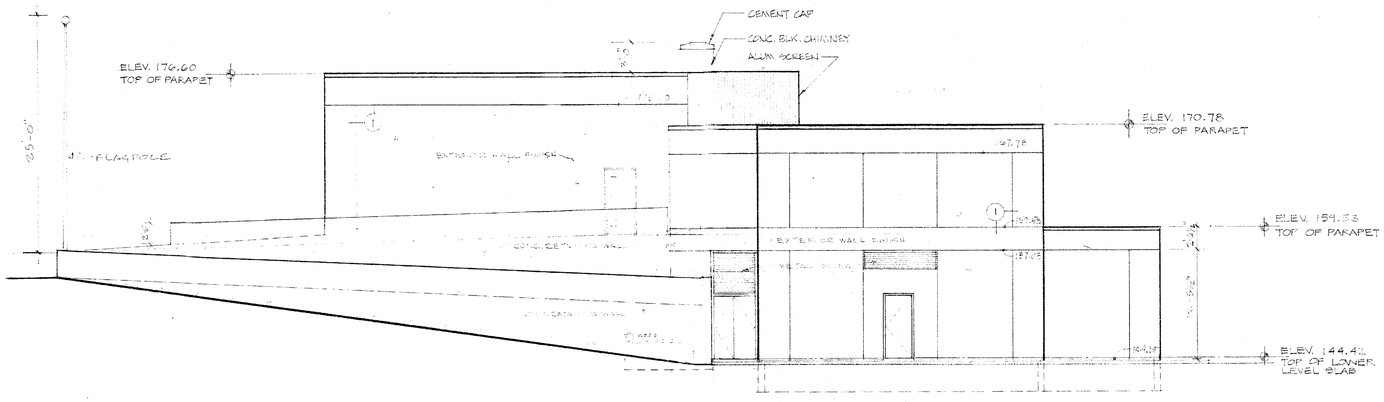
WEST ELEVATION



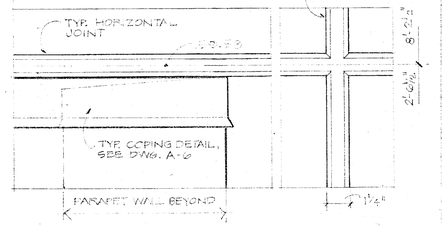
1 DETAIL
TYPICAL HORIZONTAL AND VERTICAL JOINT
SCALE: 1½"=1'-0"



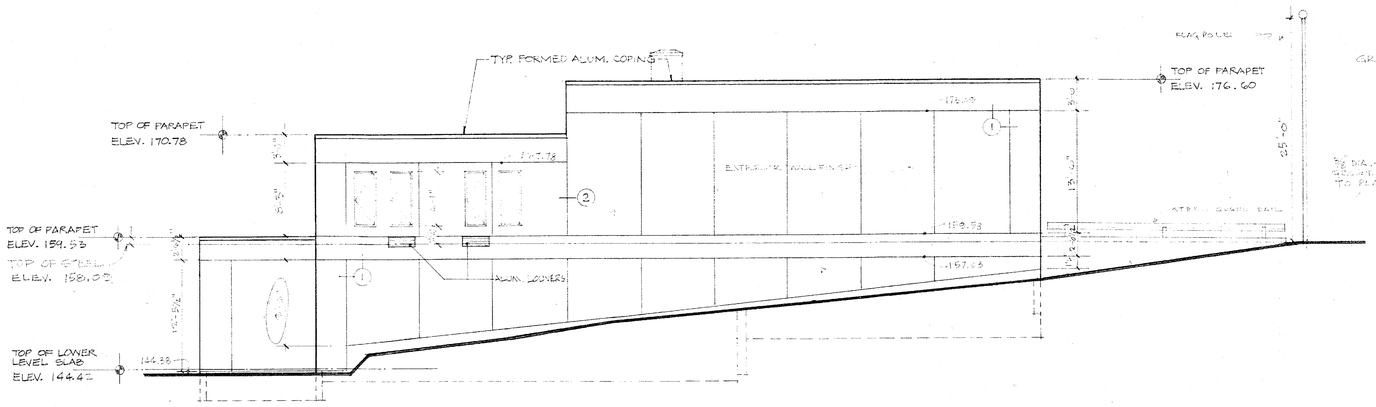
2 DETAIL
TYPICAL DETAIL AT DISSIMILAR SUBSTRATE
SCALE: 1½"=1'-0"



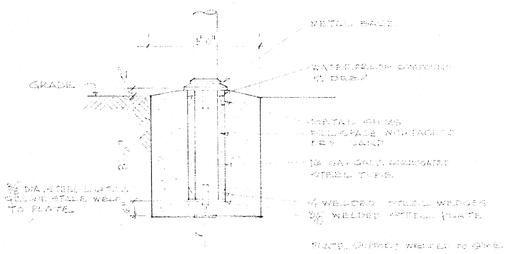
NORTH ELEVATION



3 DETAIL
ELEVATION OF TYP. JOINT AT PARAPET WALL



SOUTH ELEVATION



FLAGPOLE BASE DETAIL
SCALE: 1/2"=1'-0"

FOR CONSTRUCTION 8-27-79

NO	DESCRIPTION	DATE

REVISIONS

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK

BEACON FIREHOUSE IMPROVEMENTS

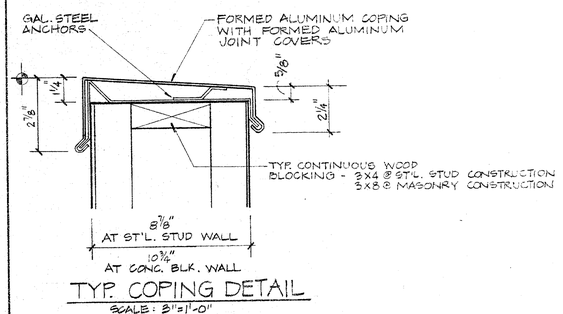
TOMPKINS HOSE COMPANY
PROJECT NO 8TT-121 86-1101

BUILDING ELEVATIONS

the office of ira kessler architect
438 MAIN ST. BEACON, N.Y. 12508 (914)-831-1091

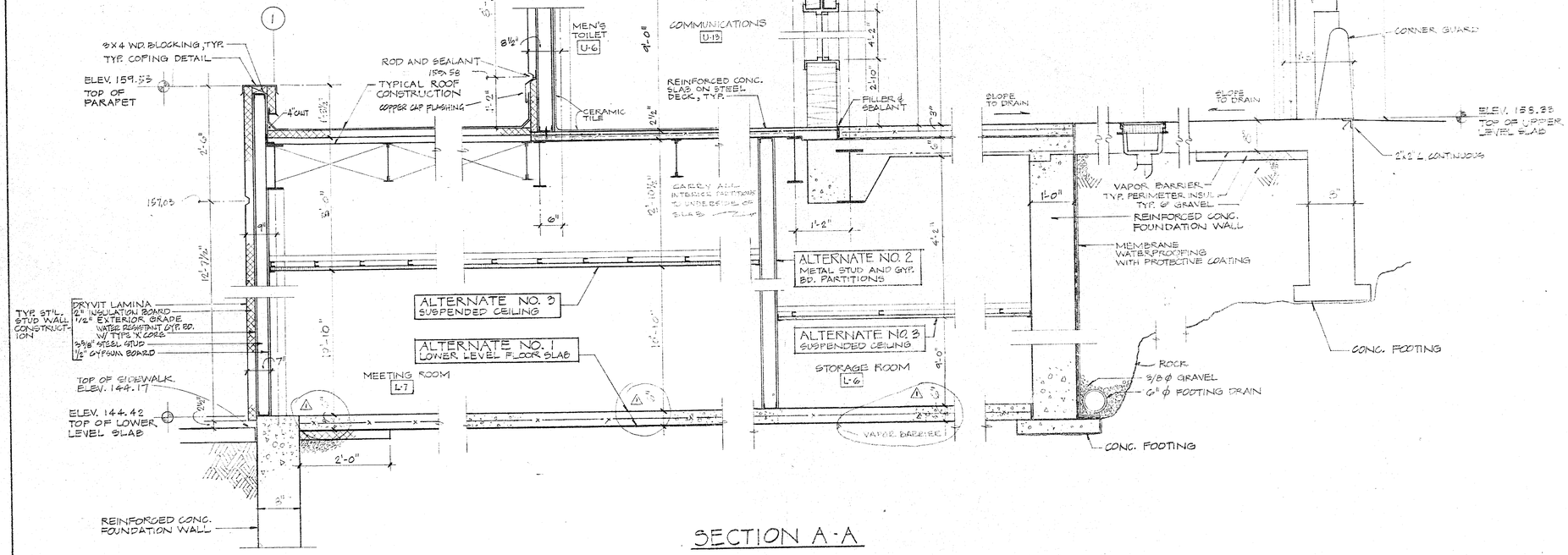
DRAWING NUMBER A-5

SCALE: 1/8"=1'-0" | PROJECT NO 7702C | DRAWN BY | DATE JUNE 1, 1979



TYP. COPING DETAIL

SCALE: 3"=1'-0"



SECTION A-A

REGISTERED ARCHITECT IRA KESSLER N.Y. 6692 STATE OF NEW YORK

NO.	DESCRIPTION	DATE
	FOR CONSTRUCTION	8·27·79
1	ADDENDUM Nº1	9·27·79

REVISIONS

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK.

BEACON FIREHOUSE IMPROVEMENTS

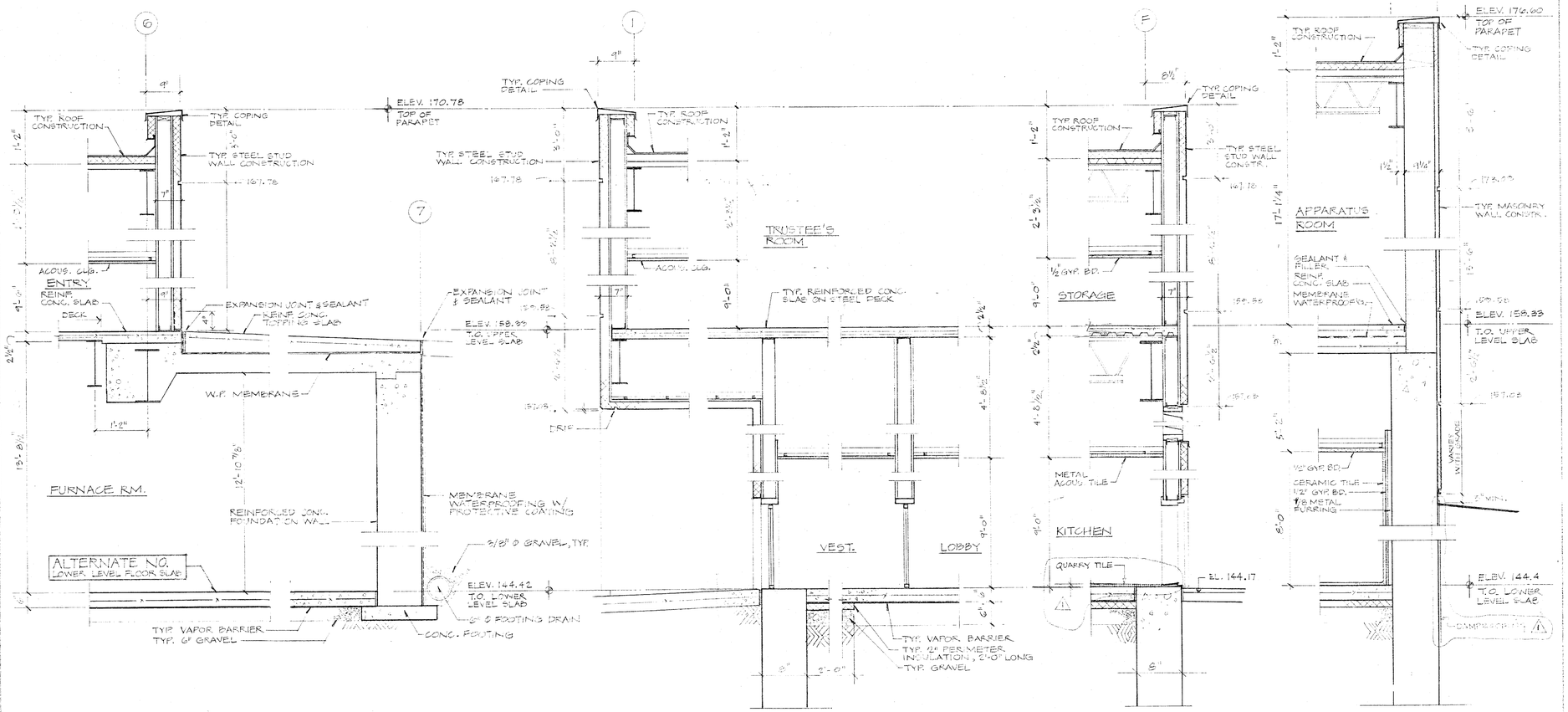
TOMPKINS HOSE COMPANY
PROJECT Nº BCI-H6-36-0101

SECTION

the office of ira kessler architect
492 MAIN ST, BEACON, N.Y. 12508 (914)-831-7096

DRAWING NUMBER A·6

SCALE 3/4"=1'-0" | PROJECT NO 7702-C | DRAWN BY | DATE JUNE 1, 1979

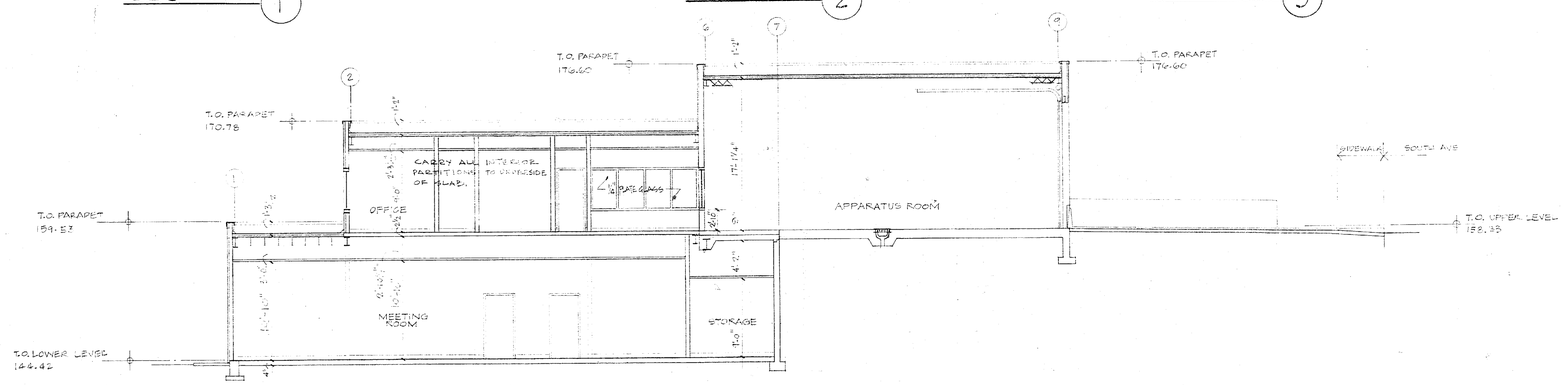


SECTION 1

SECTION 2

SECTION 3

SECTION 4



SECTION A-A

SCALE 1/8" = 1'-0"

FOR CONSTRUCTION 8/27/79

NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	9/10/79

REVISIONS

BEACON COMMUNITY DEVELOPMENT AGENCY
20 WOLCOTT AVENUE BEACON, NEW YORK

BEACON FIREHOUSE IMPROVEMENTS

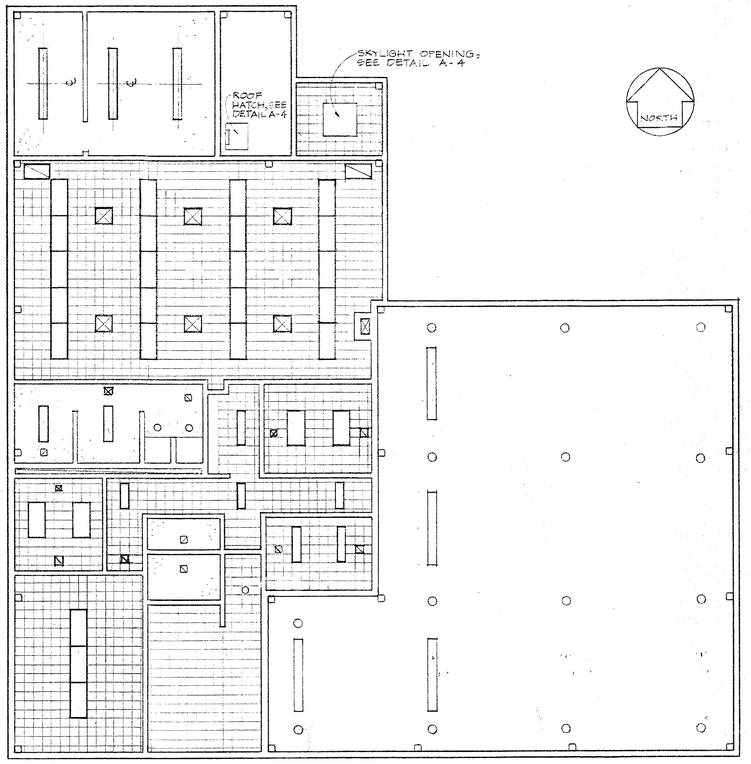
TOMPKINS HOSE COMPANY
PROJECT NO. BCD-810

WALL SECTIONS -

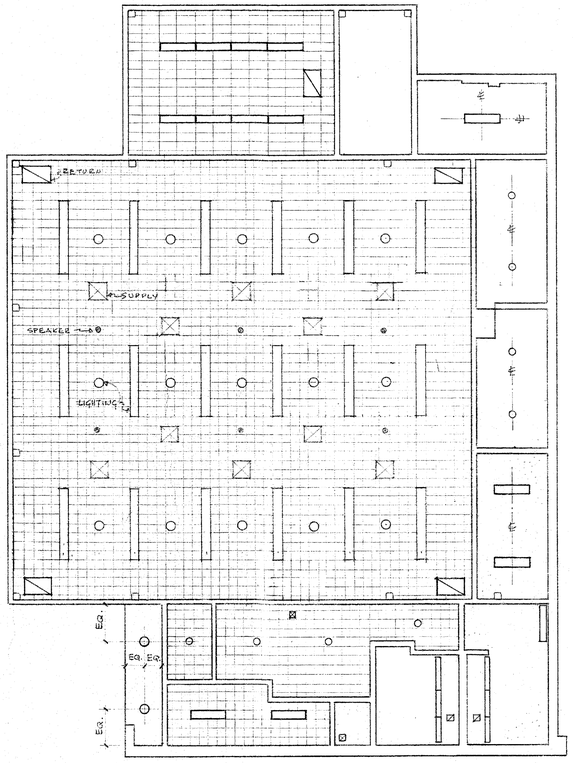
the office of ira kessler architect
432 MAIN ST., BEACON, N.Y. 12508 (914) 831-7040

DRAWING NUMBER A-7

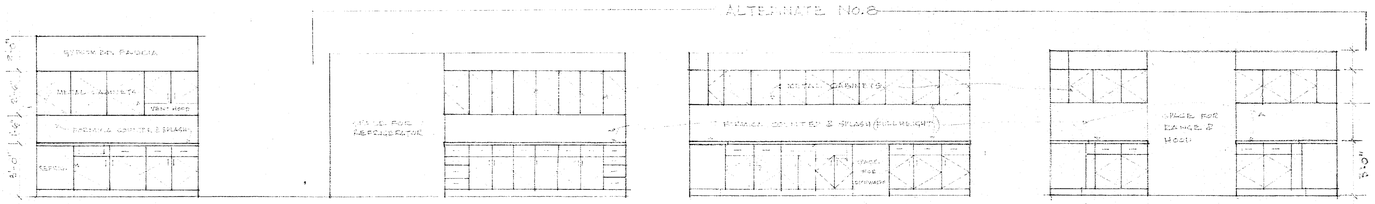
SCALE 3/4"=1'-0" | PROJECT NO. 7702-C | DRAWN BY | DATE JUNE 1, 1979



UPPER LEVEL
REFLECTED CEILING PLAN



LOWER LEVEL
REFLECTED CEILING PLAN



WEST ELEVATION of GALLEY
KITCHEN & GALLEY DETAILS

EAST ELEVATION
SCALE 1/2"=1'0"

NORTH ELEVATION
SOUTH CABINETS, WITHOUT SINK & DISHWASHER

WEST ELEVATION

FOR CONSTRUCTION 8·27·79

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK

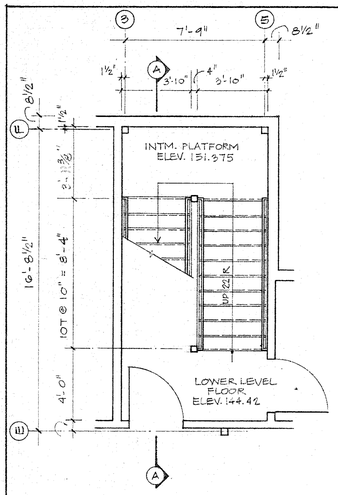
BEACON FIREHOUSE IMPROVEMENTS

TOMPKINS HOSE COMPANY
PROJECT No 877-H5-80-0101
REFLECTED CEILING PLANS

the office of ira kessler architect
452 MAIN ST. BEACON, N.Y. 12508 (914)-831-7096

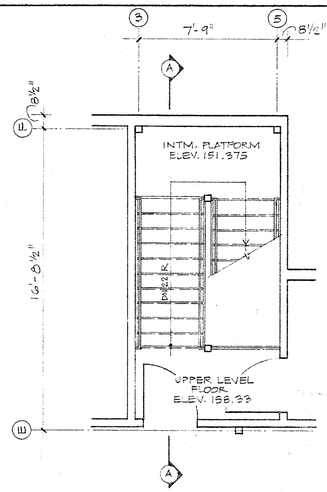
DRAWING NUMBER A·8

SCALE 1/8"=1'-0" | PROJECT NO 7702-C | DRAWN BY | DATE JUNE 1, 1979



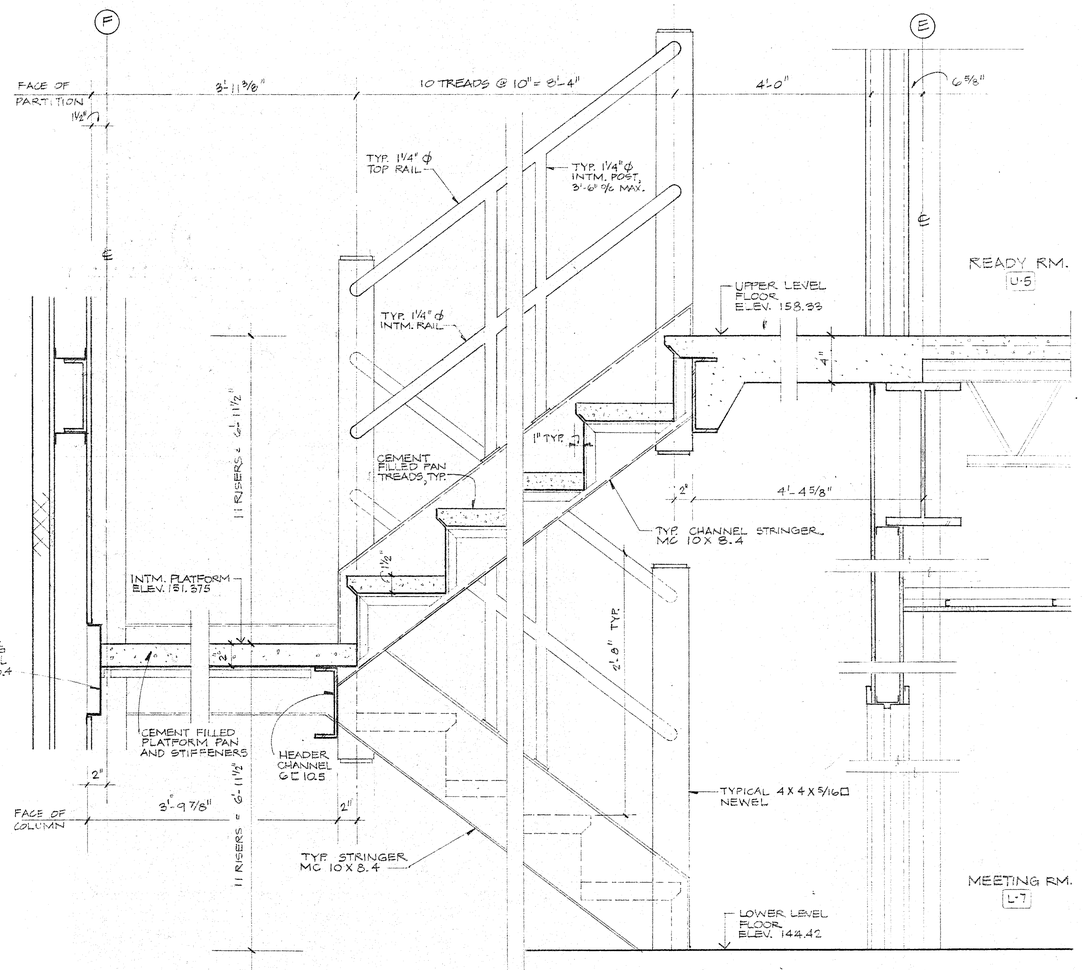
STAIR L-2 PLAN

SCALE 1/4"=1'-0"



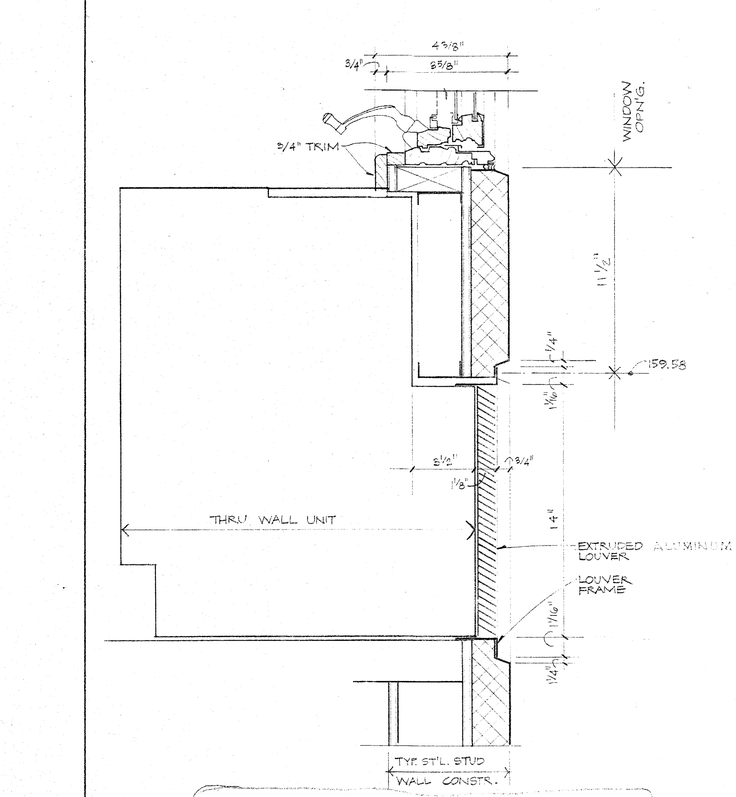
STAIR U-8 PLAN

SCALE 1/4"=1'-0"



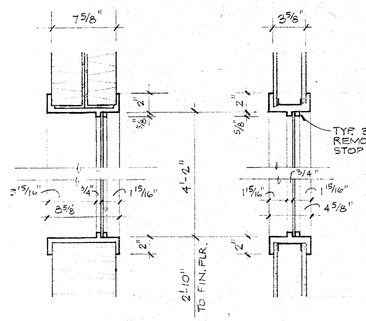
SECTION A-A (TYP. SECT. THRU STAIR)

SCALE 1½"=1'-0"



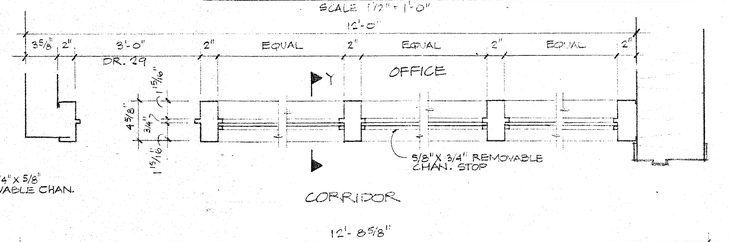
SECTION - THRU THE WALL UNIT ⚠

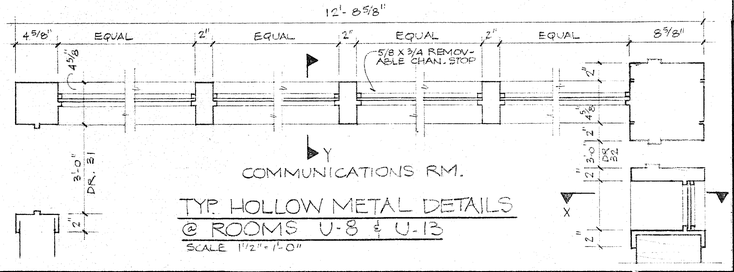
SCALE 3"=1'-0"



SECTION-X SECTION-Y

SCALE 1½"=1'-0"





TYP. HOLLOW METAL DETAILS @ ROOMS U-8 & U-13

SCALE 1½"=1'-0"

REGISTERED ARCHITECT
IRA KESSLER
No. 6439
STATE OF NEW YORK

FOR CONSTRUCTION 8.27.79

№	DESCRIPTION	DATE
⚠	ADDENDUM NO. 1	6.27.79

REVISIONS

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK

BEACON FIREHOUSE IMPROVEMENTS

TOMPKINS HOSE COMPANY
PROJECT NO 877-HS-36-0101

STAIR AND MISC. DETAILS

the office of ira kessler | architect
432 MAIN ST; BEACON, N.Y. 12508 | (914)-831-7016

DRAWING NUMBER A•9

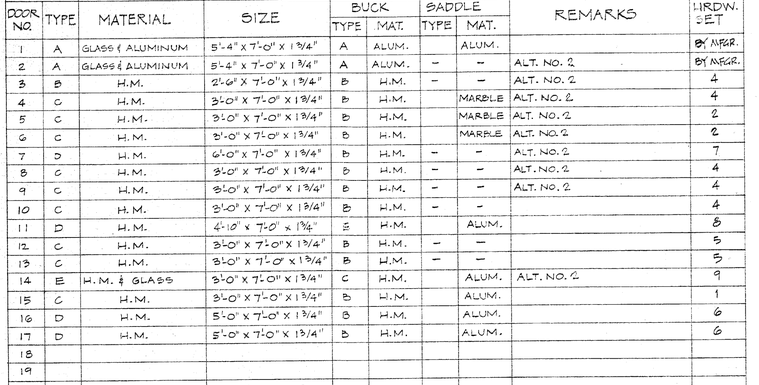
SCALE AS NOTED | PROJECT NO 7702-C | DRAWN BY | DATE JUNE 1, 1979

DOOR SCHEDULE

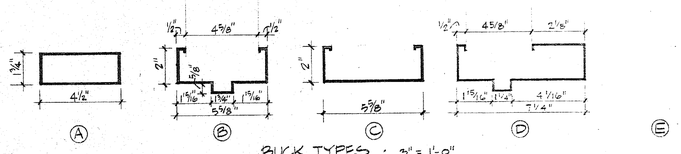
DOOR NO.	TYPE	MATERIAL	SIZE	BUCK TYPE	BUCK MAT.	SADDLE TYPE	SADDLE MAT.	REMARKS	HRDW. SET
1	A	GLASS & ALUMINUM	5'-4" x 7'-0" x 1 3/4"	A	ALUM.		ALUM.		BY MFGR.
2	A	GLASS & ALUMINUM	5'-4" x 7'-0" x 1 3/4"	A	ALUM.	–	–	ALT. NO. 2	BY MFGR.
3	B	H.M.	2'-6" x 7'-0" x 1 3/4"	B	H.M.	–	–	ALT. NO. 2	4
4	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.		MARBLE	ALT. NO. 2	4
5	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.		MARBLE	ALT. NO. 2	2
6	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.		MARBLE	ALT. NO. 2	2
7	D	H.M.	6'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–	ALT. NO. 2	7
8	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–	ALT. NO. 2	4
9	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–	ALT. NO. 2	4
10	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–		4
11	D	H.M.	4'-10" x 7'-0" x 1 3/4"	E	H.M.		ALUM.		8
12	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–		5
13	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–		5
14	E	H.M. & GLASS	3'-0" x 7'-0" x 1 3/4"	C	H.M.		ALUM.	ALT. NO. 2	9
15	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.		ALUM.		1
16	D	H.M.	5'-0" x 7'-0" x 1 3/4"	B	H.M.		ALUM.		6
17	D	H.M.	5'-0" x 7'-0" x 1 3/4"	B	H.M.		ALUM.		6
18									
19									
20									
21	F	H.M. & GLASS	3'-0" x 7'-0" x 1 3/4"	A	H.M.	–	ALUM.	FIXED H.M. PANEL ABOVE	1
22	F	H.M. & GLASS	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–		5
23	F	H.M. & GLASS	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–		5
24	F	H.M. & GLASS	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–		5
25	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–		4
26	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.		MARBLE		2
27	F	H.M. & GLASS	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–		5
28	G	H.M. & GLASS	3'-0" x 7'-0" x 1 3/4"	B	H.M.		ALUM.		1
29	G	H.M. & GLASS	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–	SEE DETAILS DWG. A-8	1
30	G	H.M. & GLASS	3'-0" x 7'-0" x 1 3/4"	B	H.M.		ALUM.	SEE DETAILS DWG. A-8	1
31	G	H.M. & GLASS	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–		1
32	G	H.M. & GLASS	3'-0" x 7'-0" x 1 3/4"	B	H.M.		ALUM.	SEE DETAILS DWG. A-8	1
33	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–		1
34	C	H.M.	2'-6" x 7'-0" x 1 3/4"	B	H.M.		MARBLE		3
35	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.		ALUM.		4
36	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–		1
37	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	H.M.	–	–		1
38	F	H.M. & GLASS	3'-0" x 7'-0" x 1 3/4"	B	H.M.		ALUM.		1
39	H	WOOD & GLASS	14'-0" x 14'-8" x 1 3/4"	D	STEEL	–	–		–
40	H	WOOD & GLASS	14'-0" x 14'-8" x 1 3/4"	D	STEEL	–	–		–
41	H	WOOD & GLASS	14'-0" x 14'-8" x 1 3/4"	D	STEEL	–	–		–
42	C	H.M.	3'-0" x 7'-0" x 1 3/4"	B	STEEL	–	–		4

FINISH SCHEDULE

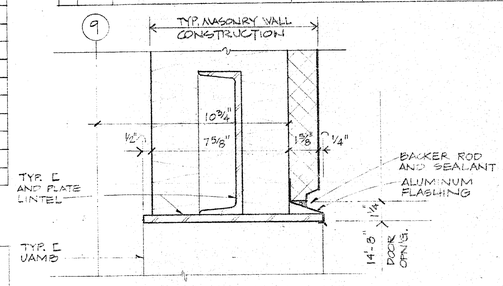
ROOM NO	ROOM NAME	FLOOR	BASE	WALLS N	WALLS S	WALLS E	WALLS W	CEILING HT.	CEILING FINISH	REMARKS
L-1	KITCHEN	QUARRY TILE	QUARRY TILE	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	8'-0"	MTL. ACOUS. TILE	ALTERNATES NOS 1,2,3,4,7,8 APPLY
L-2	STAIR	V.A.T.	VINYL	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	–	–	ALTS. NOS 1,2,4,7 APPLY
L-3	VESTIBULE	CONC.	–	GYP. BD.	GYP. BD.	CONC.	GYP. BD.	–	–	ALT. NO 4 APPLIES
L-4	EQUIPMENT	CONC.	–	GYP. BD.	GYP. BD.	CONC.	GYP. BD.	–	–	ALT. NO 4 APPLIES
L-5	AIR CONDITIONING EQUIPMENT ROOM	CONC.	–	GYP. BD.	GYP. BD.	CONC.	GYP. BD.	–	–	ALT. NO 4 APPLIES
L-6	STORAGE	V.A.T.	VINYL	GYP. BD.	GYP. BD.	CONC.	GYP. BD.	9'-0"	GYP. BD.	ALTS. NOS 1,9,4,7 APPLY
L-7	MEETING ROOM	V.A.T.	VINYL	GYP. BD.	GYP. BD.	CONC.	GYP. BD.	9'-0"	ACOUS. TILE	ALTS. NOS 1,2,3,4,7 APPLY
L-8	MENS ROOM	CER. TILE	CER. TILE	CER. TILE	CER. TILE	CER. TILE	CER. TILE	9'-0"	GYP. BD.	ALTS. NOS 1,2,3,4,5,9 APPLY
L-9	WOMENS ROOM	CER. TILE	CER. TILE	CER. TILE	CER. TILE	CER. TILE	CER. TILE	9'-0"	GYP. BD.	ALTS. NOS 1,2,3,4,5,9 APPLY
L-10	JANITORS CLOSET	CER. TILE	CER. TILE	CER. TILE	CER. TILE	CER. TILE	CER. TILE	9'-0"	GYP. BD.	ALTS. NOS 1,2,3,4,5,9 APPLY
L-11	COAT ROOM	V.A.T.	VINYL	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	9'-0"	ACOUS. TILE	ALTS. NOS 1,2,3,4,7,10 APPLY
L-12	LOBBY	V.A.T.	VINYL	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD/ALUM. & GLASS	9'-0"	ACOUS. TILE	ALTS NOS 1,2,3,4,6,7 APPLY
L-13	VESTIBULE	V.A.T.	VINYL	GYP. BD.	GYP. BD.	ALUM. & GLASS	ALUM. & GLASS	9'-0"	ACOUS. TILE	ALTS. NOS 1,2,3,4,6,7 APPLY
U-1	APPARATUS	CONC.*	–	CONC. BLOCK	CONC. BLOCK	CONC. BLOCK	CONC. BLK/MTL. & GLASS	–	–	*SPECIAL FLR. FINISH; SEE SPECIFICATIONS.
U-2	STORAGE	V.A.T.	VINYL	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	9'-0"	GYP. BD.	
U-3	STAIR			GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	–	GYP. BD.	
U-4	ENTRY	V.A.T.	VINYL	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	9'-6"	ACOUS. TILE	
U-5	READY ROOM	V.A.T.	VINYL	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	9'-6"	ACOUS. TILE	
U-6	MENS TOILET	CER. TILE	CER. TILE	CER. TILE	CER. TILE	CER. TILE	CER. TILE	9'-0"	WATERPROOF GYP. BD.	
U-7	GALLEY	V.A.T.	VINYL	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	9'-0"	GYP. BD.	
U-8	OFFICE	V.A.T.	VINYL	GYP. BD.	METAL & GLASS	CONC. BLOCK	GYP. BD.	9'-0"	ACOUS. TILE	
U-9	OFFICE	V.A.T.	VINYL	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	9'-0"	ACOUS. TILE	
U-10	CORRIDOR	V.A.T.	VINYL	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	9'-0"	ACOUS. TILE	
U-11	JANITORS CLOSET	V.A.T.	VINYL	WATERPROOF GYP. BD.	WATERPROOF GYP. BD.	WATERPROOF GYP. BD.	WATERPROOF GYP. BD.	8'-0"	GYP. BD.	
U-12	BATH	CER. TILE	CER. TILE	CER. TILE	CER. TILE	CER. TILE	CER. TILE	8'-0"	GYP. BD.	
U-13	COMMUNICATIONS ROOM	V.A.T.	VINYL	METAL & GLASS	CONC. BLOCK	METAL & GLASS	GYP. BD.	9'-0"	ACOUS. TILE	
U-14	TRUSTEES ROOM	V.A.T.	VINYL	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	9'-0"	ACOUS. TILE	
U-15	DRIVERS ROOM	V.A.T.	VINYL	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	9'-0"	ACOUS. TILE	
U-16	UNIFORM STORAGE	V.A.T.	VINYL	CEDAR PLY PANEL	CEDAR PLY PANEL	CEDAR PLY PANEL	CEDAR PLY PANEL	9'-0"	GYP. BD.	



DOOR TYPES · NOT TO SCALE

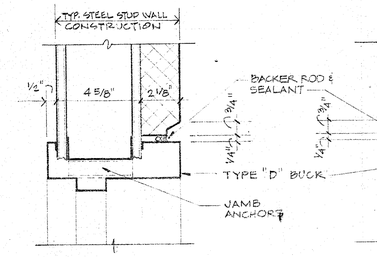


BUCK TYPES · 3" = 1'-0"

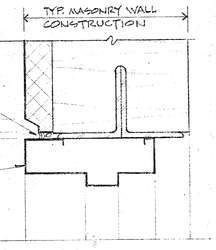


TYPICAL HEAD DETAIL @ OVERHEAD DOOR

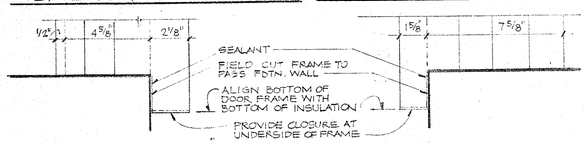
TYPICAL JAMB DETAIL @ OVERHEAD DOOR



TYP. HEAD & JAMB DETAIL @ EXTERIOR ST'L. STUD WALL



TYP. HEAD & JAMB DETAIL @ EXT. MASONRY WALL



TYP. SILL DETAIL @ EXTERIOR ST'L. STUD WALL

TYP. SILL DETAIL @ EXT. MASONRY WALL

REGISTERED ARCHITECT IRA KESSLER NO. 5423 STATE OF NEW YORK

FOR CONSTRUCTION 8.27.79

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK

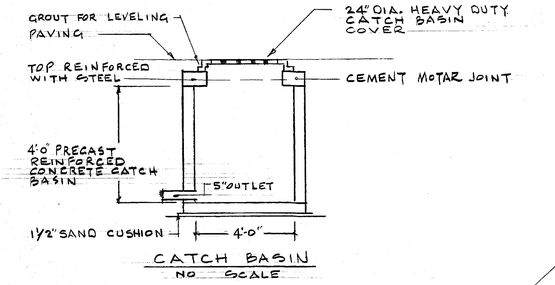
BEACON FIREHOUSE IMPROVEMENTS

TOMPKINS HOSE COMPANY
PROJECT I.D. BTT-145-326-0101
SCHEDULES & INTERIOR ELEVATIONS

the office of ira kessler architect
432 MAIN ST; BEACON, N.Y. 12508 (914)-831-7096

DRAWING NUMBER A•10

SCALE AS NOTED | PROJECT NO T702-C | DRAWN BY | DATE JUNE 1, 1979



CATCH BASIN
NO SCALE

EXISTING MANHOLE
6"
C.O.D.P.
C.B. EXISTING
5" TURN DOWN TO WITHIN 6" OF GRADE. PROVIDE SPLASH BLOCK.
C.B. 4645 ϕ
4"
S.S.
6"
W.S.
S.D
6"
C.O.D.P
1½"
C.O.D.P
G
EXISTING SOUTH FERRY STREET
S
W
G
S
(140.0)
PROPOSED ROUTE 9D
(142.0)
(144.0)
EDGE OF PROPOSED HIGHWAY 7
PROPOSED SIDEWALK 7
PARKING LOT & DRIVEWAY TO PITCH TO STREET FOR DRAINAGE
NEW TOMPKINS FIRE HOUSE
142.3
158.3
158.2
156.0
156.2
158.2
158.2
158.2
GAS MAIN BY CENTRAL HUDSON GAS & ELECTRIC Co.
EXISTING CHURCH
SOUTH AVE.
BEACON ST.
NORTH

LEGEND

M	GAS METER
S.D	STORM DRAINAGE PIPING
C.B	CATCH BASIN
C.O.D.P	CLEAN OUT DECK PLATE
O	MANHOLE - EXISTING
—G—	GAS PIPING
—SS—	SANITARY SEWER PIPING
—WS—	WATER SERVICE PIPING
—G—	GAS VALVE
—⋈—	WATER VALVE

FOR CONSTRUCTION

⚠ ADDENDUM #1 6-27-79

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK

BEACON FIREHOUSE IMPROVEMENTS

TOMPKINS HOSE COMPANY

SITE PLAN

the office of ira kessler architect
432 MAIN ST. BEACON N.Y. 12508 (914) 831-7036

DRAWING NUMBER P-1

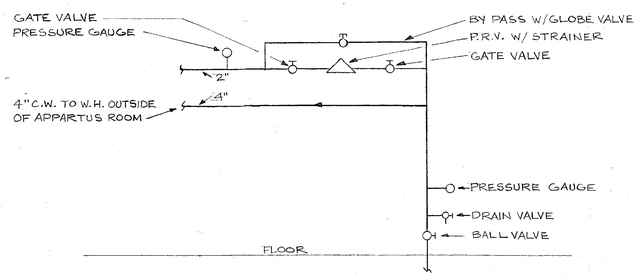
SCALE 1" = 20'-0" | PROJECT NO 7702 C | DRAWN BY P. G | DATE JUNE 1, 1979

MINIMUM FIXTURE CONNECTION SCHEDULE

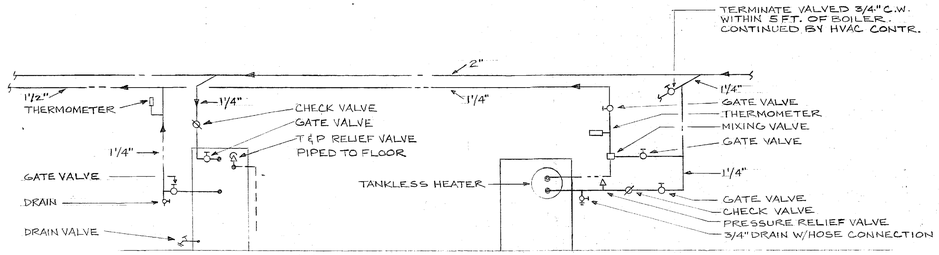
FIXTURE	SOIL	WASTE	VENT	H.W.	C.W.	V.B.
WATER CLOSET	4"	—	2"	—	1/2"	—
URINAL	—	2"	1½"	—	1"	YES
LAVATORY	—	1½"	1½"	½"	½"	—
MOP SINK	—	3"	1½"	¾"	¾"	YES
SINK	—	2"	1½"	½"	½"	—
SHOWER	—	2"	1½"	½"	½"	—
ELECTRIC WATER COOLER	—	1½"	1½"	—	½"	—

SYMBOLS

— — —	SOIL OR WASTE PIPING BELOW FLOOR
— - — - —	VENT PIPING
———	SOIL OR WASTE PIPING ABOVE FLOOR
— - - —	COLD WATER PIPING
— - - —	HOT WATER PIPING
— G —	GAS PIPING
— SD —	STORM DRAINAGE PIPING
V	VENT
S	SOIL
W.S.	WATER SERVICE
C.W.	COLD WATER
H.W.	HOT WATER
C.O.	CLEAN OUT
C.O.D.P.	CLEAN OUT DECK PLATE
R.D.	ROOF DRAIN
E.W.C.	ELECTRIC WATER COOLER
V.T.R.	VENT THRU ROOF
W.C.	WATER CLOSET
LAV.	LAVATORY
UR.	URINAL
M.S.	MOP SINK
SH.	SHOWER
D.V.	DRAIN VALVE
F.A.I	FRESH AIR INTAKE
W.H.	WALL HYDRANT
□	SQUARE FEET
(P)	DESIGNATES SOIL OR WASTE STACK
P.R.V.	PRESSURE REDUCING VALVE
A.F.F.	ABOVE FINISHED FLOOR
F.D.	FLOOR DRAIN
T.&P.	TEMPERTURE & PRESSURE
C.B.	CATCH BASIN
H.B.	HOSE BIBB - 1'-6" A.F.F.
LDR.	LEADER
H.C.	HUNG CEILING
V.M.	VENDING MACHINES
S.S.	SANITARY SEWER
W.	WASTE
F.F.D.	FUNNEL FLOOR DRAIN
A.F.	ABOVE FLOOR
B.F.	BELOW FLOOR
D.W.	DISHWASHER
⚠ I.M.	ICE MAKER



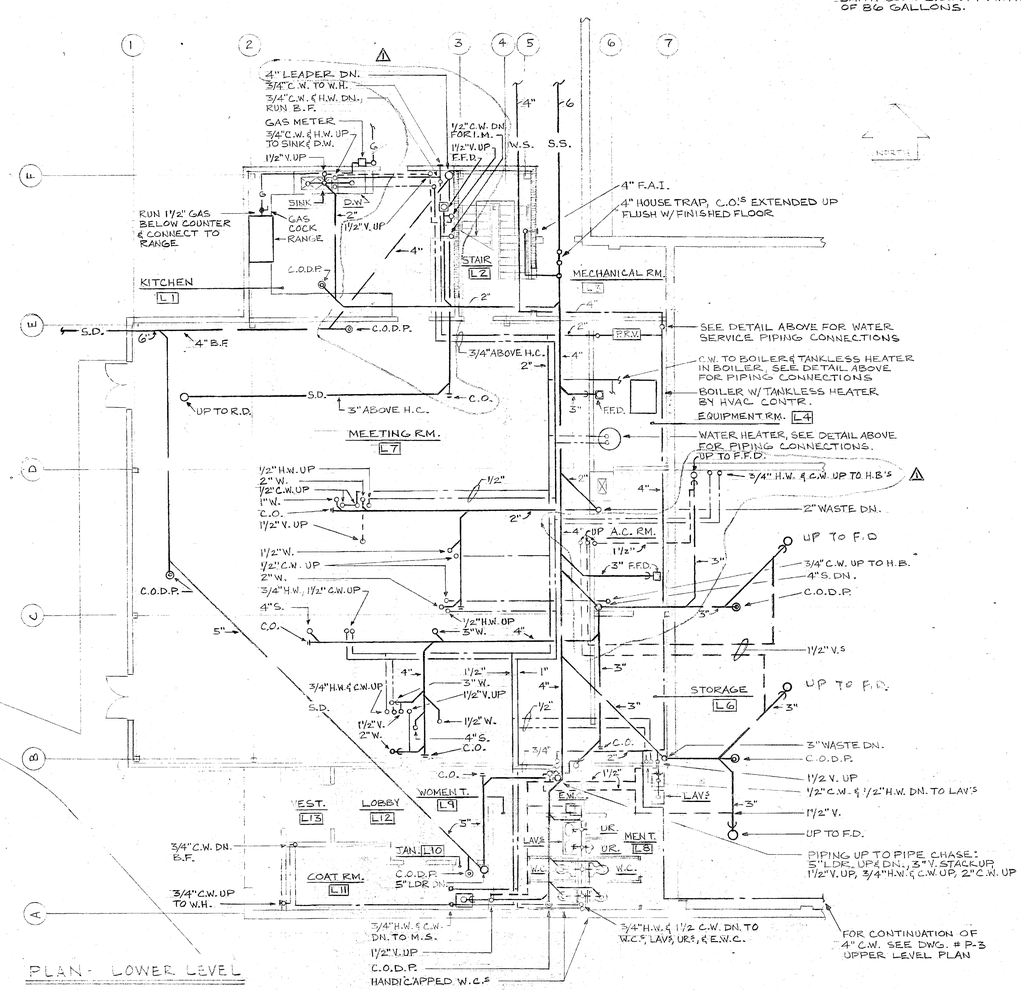
COLD WATER SERVICE PIPING CONNECTIONS
NO SCALE



DETAIL OF WATER HEATER
NO SCALE

DETAIL OF PIPING CONNECTIONS TO TANKLESS HEATER IN BOILER (WINTER USE)
NO SCALE

THE WATER HEATER SHALL BE THE GLASS LINED OIL FIRED TYPE AS MANUFACTURED BY THE A.O. SMITH CO. # C.O.F. 199 WITH STORAGE CAPACITY OF 86 GALLONS.



PLAN - LOWER LEVEL

FOR CONTINUATION OF STORM DRAIN, GAS, WATER & SANITARY SEWER PIPING SEE DWG # P.1 - SITE PLAN

NORTH

FOR CONSTRUCTION

⚠ ADDENDUM # 1 6-27-79

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK.

BEACON FIREHOUSE IMPROVEMENTS

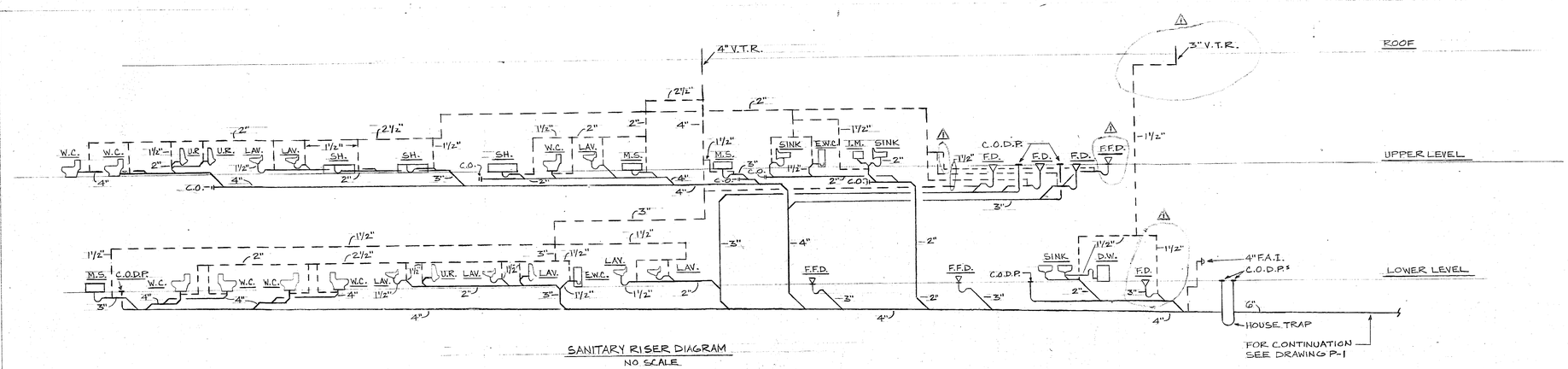
TOMPKINS HOSE COMPANY

LOWER LEVEL PLAN

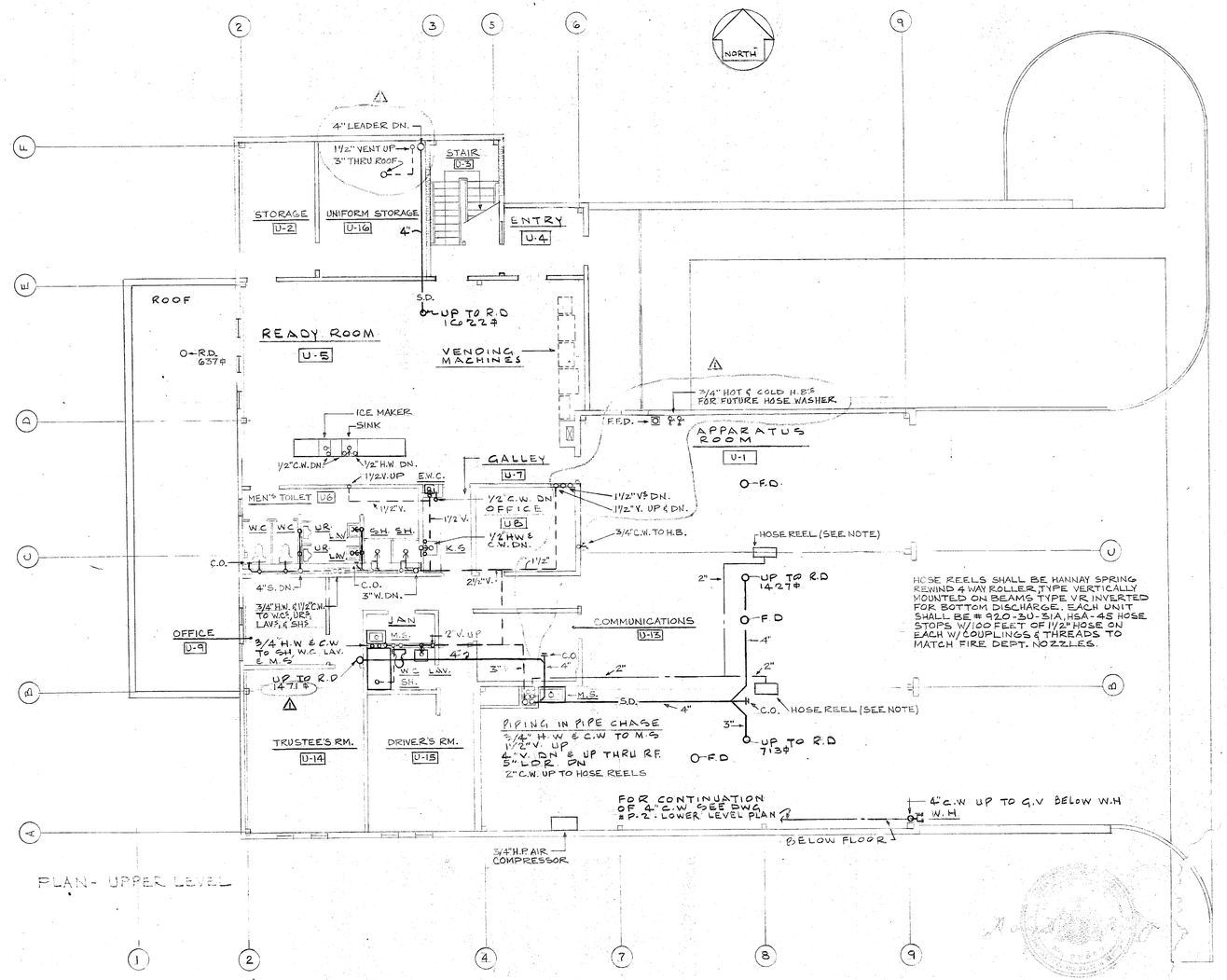
the office of ira kessler architect
432 Main St. Beacon, N.Y. 12508 (914) 831-7096

DRAWING NUMBER P-2

SCALE 1/8" = 1'-0" | PROJECT NO 7702C | DRAWN BY RG. | DATE 6-1-79



SANITARY RISER DIAGRAM
NO SCALE



HOSE REELS SHALL BE HANNAY SPRING REWIND 4 WAY ROLLER, TYPE VERTICALLY MOUNTED ON BEAMS TYPE VR, INVERTED FOR BOTTOM DISCHARGE. EACH UNIT SHALL BE # 920-3U-3IA, HSA-45 HOSE STOPS W/100 FEET OF 1½" HOSE ON EACH W/ COUPLINGS & THREADS TO MATCH FIRE DEPT. NOZZLES.

PLAN - UPPER LEVEL

FOR CONSTRUCTION

⚠ ADDENDUM # 1 6-27-79

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK

BEACON FIREHOUSE IMPROVEMENTS

TOMPKINS HOSE COMPANY

UPPER LEVEL PLAN

the office of ira kessler architect
432 Main St. Beacon, N.Y. 12508 (914) 831-7096

DRAWING NUMBER P-3

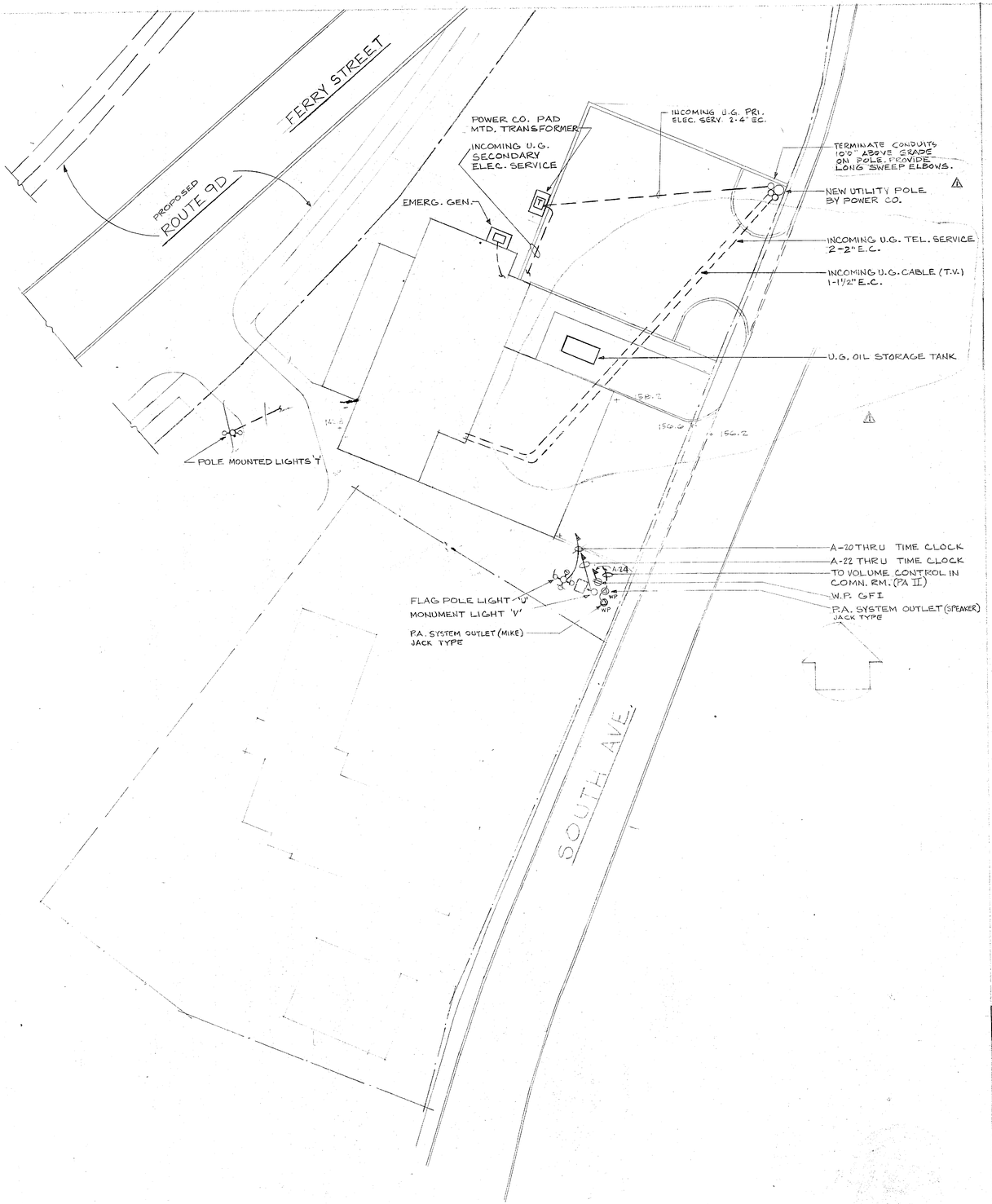
SCALE ⅛" = 1'-0" | PROJECT NO 7702C | DRAWN BY P.G. | DATE 6-1-79

SYMBOL LIST

- FLUORESCENT LIGHT FIXTURE/CEILING WALL MOUNTED
- INCANDESCENT LIGHT FIXTURE/CEILING WALL MOUNTED
- EXIT LIGHT FIXTURE/CEILING WALL MOUNTED
- S — SINGLE POLE SWITCH
- S_3 — 3 WAY SWITCH
- S_4 — 4 WAY SWITCH
- S_M — MOMENTARY CONTACT SWITCH
- S_D — DIMMER SWITCH
- S_K — KEY OPERATED REMOTE MOTOR STARTER SWITCH
- COMBINATION DISCONNECT SWITCH & MAGNETIC ACROSS THE LINE STARTER
- MAGNETIC STARTER
- DISCONNECT SWITCH UNFUSED UNLESS OTHERWISE NOTED
- EMERGENCY BREAKGLASS EQUIPMENT SHUTDOWN SWITCH
- MOTOR - NO INDICATES HORSEPOWER
- CH — WALL MOUNTED CABINET HEATER
- DUPLEX RECEPTACLE
- GFI — DUPLEX RECEPTACLE GROUND FAULT INTERRUPTER TYPE
- © — FLOOR MOUNTED RECEPTACLE AMPS, POLES, TO MATCH EQUIPMENT FURNISHED BY OWNER.
- CONDUIT RUN CONCEALED IN CEILING OF FLOOR BELOW OR IN FLOOR SLAB
- CONDUIT RUN CONCEALED IN CEILING AND WALLS
- CONDUIT HOMERUN - NO OF ARROWS INDICATES CIRCUITS.
- PHONE OUTLET (F) FIRE; (P) POLICE (H) HOUSE (J) JACK
- F — FIRE PHONE BELL
- M — FIRE PHONE MONITOR
- H — FIRE PHONE HORN
- M — MIKE OUTLET
- IC — INTERCOM MASTER
- W — WARNING LIGHT (PLECTRON)
- S — INTERCOM SPEAKER

ABBREVIATIONS

- AFF - ABOVE FINISHED FLOOR
- CO - CONDUIT ONLY
- CS - CABLE SUPPORT BOX
- EC - EMPTY CONDUIT
- EM - EMERGENCY DEVICE
- EWC - ELECTRIC WATER COOLER
- FBO - FURNISHED BY OTHERS
- NIC - NOT IN CONTRACT (ELECTRIC, UNLESS NOTED OTHERWISE)
- VT - VAPORTIGHT
- WP - WEATHERPROOF
- XP - EXPLOSION PROOF



FOR CONSTRUCTION

⚠ ADDENDUM #1 6-27-79

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK

BEACON FIREHOUSE IMPROVEMENTS

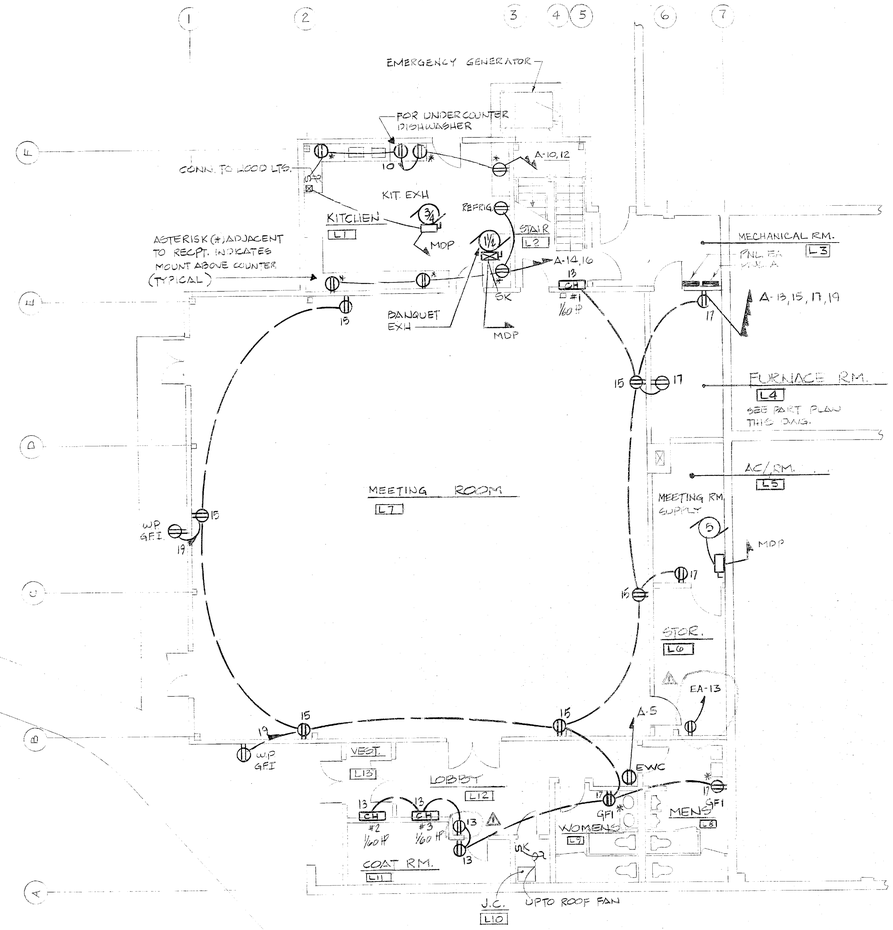
TOMPKINS HOSE COMPANY

SITE PLAN

the office of ira kessler architect
432 MAIN ST. BEACON N.Y. 12508 (914) 831-7096

DRAWING NUMBER E-1

SCALE 1" = 20'-0" | PROJECT NO 7702C | DRAWN BY S.Z. | DATE 6-1-79



PART PLAN - FURNACE ROOM

SCALE 1/4" = 1'-0"

FOR CONSTRUCTION

⚠ ADDENDUM #1 6-27-79

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON NEW YORK

BEACON FIREHOUSE IMPROVEMENTS

TOMPKINS HOSE COMPANY

LOWER LEVEL PLAN - POWER

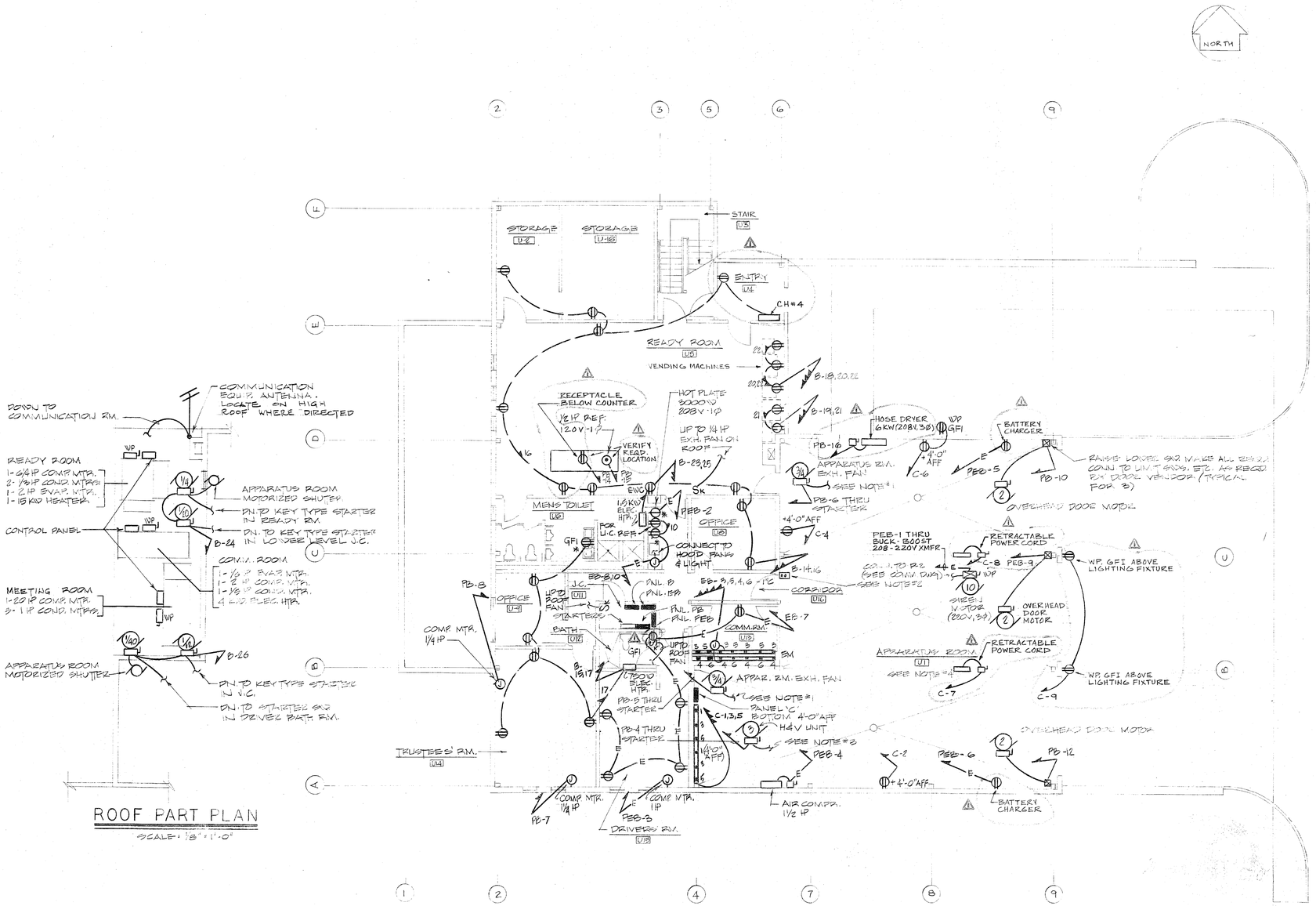
the office of ira kessler architect
432 MAIN ST. BEACON, N.Y. 12508 (914) 831-7096

DRAWING NUMBER E-2

SCALE	PROJECT NO	DRAWN BY	DATE
1/8" = 1'-0"	7702 C	S.Z.	6-1-79

NOTES

1. Connect to Motorized Shutter.
2. Remote Start-Stop switch with pilot light. Interconnect both Apparatus Room exhaust fans to be activated from this switch.
3. Interconnect H&V unit to automatically start when Apparatus Fans are activated. H&V shall also be wired to start from respective starter.
4. All receptacles located in Apparatus Room shall be GFI Type. Receptacles located in Surface Trough on rear wall shall be protected by GFI circuit breaker.
5. All electrical equipment located in Apparatus Room shall be mounted 4'-0" AFF min.



ROOF PART PLAN

SCALE: ⅛" = 1'-0"

FOR CONSTRUCTION

⚠ ADDENDUM #1 6-27-79

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK

BEACON FIREHOUSE IMPROVEMENTS

TOMPKINS HOSE COMPANY

UPPER LEVEL PLAN - POWER

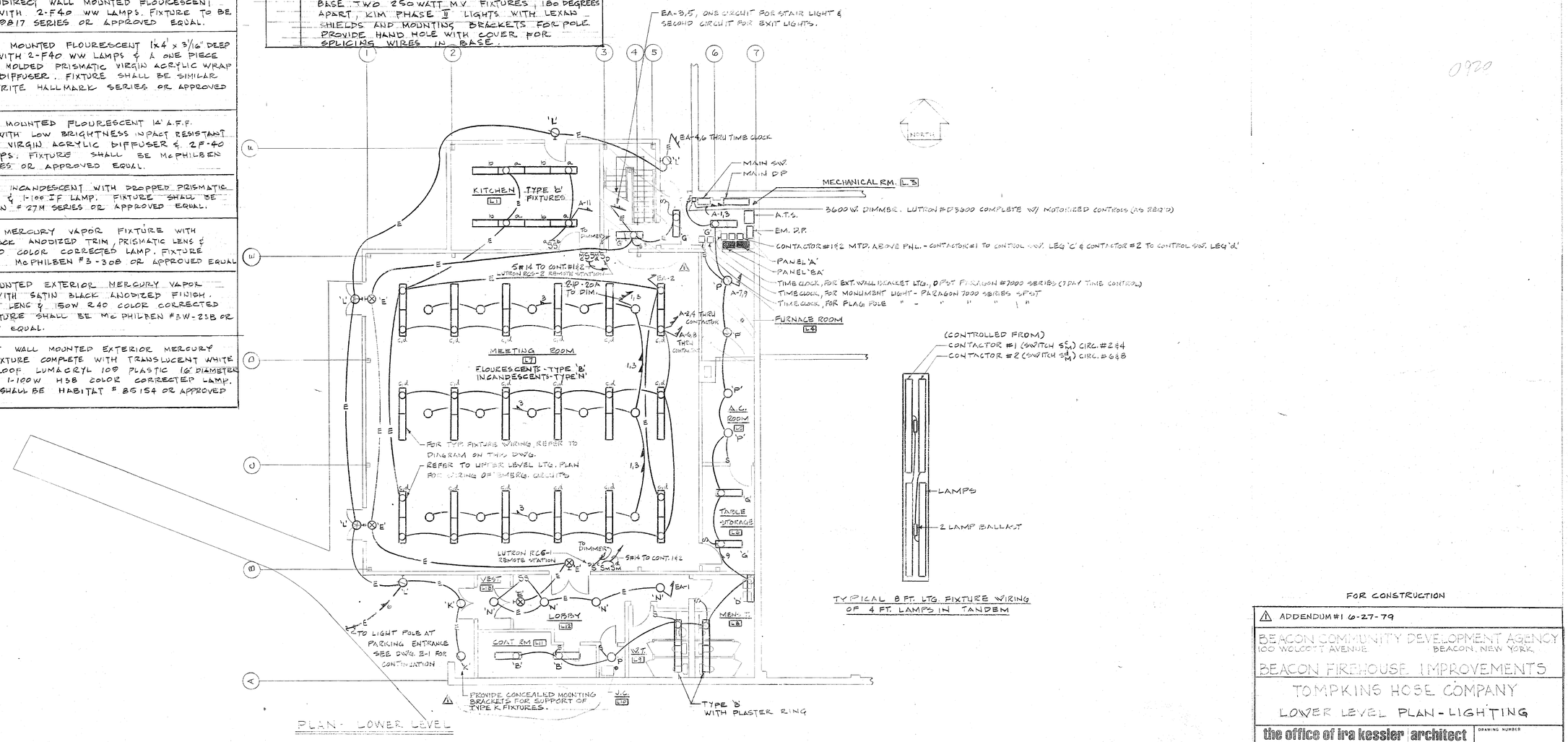
the office of ira kessler architect
432 MAIN ST. BEACON, NY 12508 (914) 831-7096

DRAWING NUMBER E-3

SCALE	PROJECT NO.	DRAWN BY	DATE
⅛" = 1'-0"	7702C	S.Z.	6-1-79

LIGHTING FIXTURE SCHEDULE

TYPE	
'A'	RECESSED FLUORESCENT FIXTURE, 2'x4' COMPLETE, WITH 3-F40 WW LAMP, FLUSH ALUMINIUM TRIM, HINGED & LATCHED AND VIRGIN ACRYLIC INJECTION MOLDED LENS. FIXTURE SHALL BE EQUAL TO COLUMBIA 5000 SERIES OR AS ACCEPTABLE, WIRE CENTER TUBE OFF SEPARATE CONTROL SWITCH AS INDICATED ON DRAWING. COLUMBIA #5114 F-79-243. ⚠
'B'	SAME AS TYPE 'A' EXCEPT, 1'x4' WITH 2F.40 WW LAMPS. COLUMBIA #5114 F-79-142 ⚠
'C'	SAME AS TYPE 'A' EXCEPT, 1'x4' WITH 2F.40 WW LAMPS & GASKETED, UNIT MOUNTED IN METAL PAN CEILING.
'D'	WALL MOUNTED FLOURESCENT 4' LONG WITH 2-F40 WW LAMPS. FIXTURE TO BE ALKCO 3200 SERIES OR APPROVED EQUAL.
'E'	WALL OR CEILING MOUNTED EXIT LIGHT Mc PHILBEN 30 LINE
'F'	DIRECT-INDIRECT WALL MOUNTED FLOURESCENT 4' LONG WITH 2-F40 WW LAMPS. FIXTURE TO BE ALKCO # 9817 SERIES OR APPROVED EQUAL.
'G'	SURFACE MOUNTED FLOURESCENT 1'x4' x 3/16" DEEP COMPLETE, WITH 2-F40 WW LAMPS & A ONE PIECE INJECTION MOLDED PRISMATIC VIRGIN ACRYLIC WRAP AROUND DIFFUSER. FIXTURE SHALL BE SIMILAR TO DAY-BRITE HALLMARK SERIES OR APPROVED EQUAL.
'H'	PENDENT MOUNTED FLOURESCENT 14' A.F.F. 4' LONG WITH LOW BRIGHTNESS IMPACT RESISTANT EXTRUDED VIRGIN ACRYLIC DIFFUSER & 2F-40 WW LAMPS. FIXTURE SHALL BE McPHILBEN #88 SERIES OR APPROVED EQUAL.
'J'	RECESSED INCANDESCENT WITH DROPPED PRISMATIC DIFFUSER & 1-100 I.F. LAMP. FIXTURE SHALL BE Mc PHILBEN # 27M SERIES OR APPROVED EQUAL.
'K'	RECESSED MERCURY VAPOR FIXTURE WITH SATIN BLACK ANODIZED TRIM, PRISMATIC LENS & 100W R-40 COLOR CORRECTED LAMP. FIXTURE SHALL BE McPHILBEN #3-308 OR APPROVED EQUAL
'L'	WALL MOUNTED EXTERIOR MERCURY VAPOR FIXTURE WITH SATIN BLACK ANODIZED FINISH, PRISMATIC LENS & 150W R40 COLOR CORRECTED LAMP. FIXTURE SHALL BE Mc PHILBEN #3W-25B OR APPROVED EQUAL.
'M'	UP-RIGHT WALL MOUNTED EXTERIOR MERCURY VAPOR FIXTURE COMPLETE WITH TRANSLUCENT WHITE VANDALPROOF LUMACRYL 10P PLASTIC 16" DIAMETER GLOBE, & 1-100W H5B COLOR CORRECTED LAMP. FIXTURE SHALL BE HABITAT # B5154 OR APPROVED EQUAL
'N'	RECESSED INCANDESCENT LOW BRIGHTNESS WITH MINIMUM CEILING TRIM SPECULAR ALZAK ALUMINIUM REFLECTOR & 1-200W I.F. LAMP. FIXTURE SHALL BE OMEGA # A101 OR APPROVED EQUAL.
'P'	P & S 110-100L
'Q'	NOT USED ⚠
'R'	ROOF MOUNTED WITH ADJUSTABLE YOKE AND MOUNTING BRACKET, SPAULDING OR APPROVED EQUAL, METAL HALIDE, 1000 W., BE-1000-M-44, -20°F BALLAST, 2" CAST ALUMINIUM POLE & SLIP FITTER.
'S'	SAME 'D' EXCEPT 2'-0" LONG
'T'	POLE - 20' - ALUMINIUM POLE WITH CONCRETE BASE. TWO 250 WATT M.V. FIXTURES, 180 DEGREES APART, KIM PHASE II LIGHTS WITH LEXAN SHIELDS AND MOUNTING BRACKETS FOR POLE. PROVIDE HAND HOLE WITH COVER FOR SPLICING WIRES IN BASE.
'U'	FLAGPOLE - FURNISH AND INSTALL 175W WELL LIGHTS AROUND BASE. EACH KIM 5154-MV-120 WITH FLUSH BALLAST BOX. PROVIDE CAST ALUMINIUM DIRECTIONAL LOUVERS. PROVIDE GRAVEL DRAINAGE FOR FIXTURES.
'V'	MONUMENT - KIM # 5007 MV-120, 75 WATT E-17 LAMP. ⚠ ALL ALUMINUM HOUSING.



PLAN - LOWER LEVEL

(CONTROLLED FROM)
CONTACTOR #1 (SWITCH SW.) CIRC. #2&4
CONTACTOR #2 (SWITCH SW.) CIRC. #6&8

TYPICAL 8 FT. LTG. FIXTURE WIRING OF 4 FT. LAMPS IN TANDEM

FOR CONSTRUCTION

⚠ ADDENDUM #1 6-27-79

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK.

BEACON FIREHOUSE IMPROVEMENTS

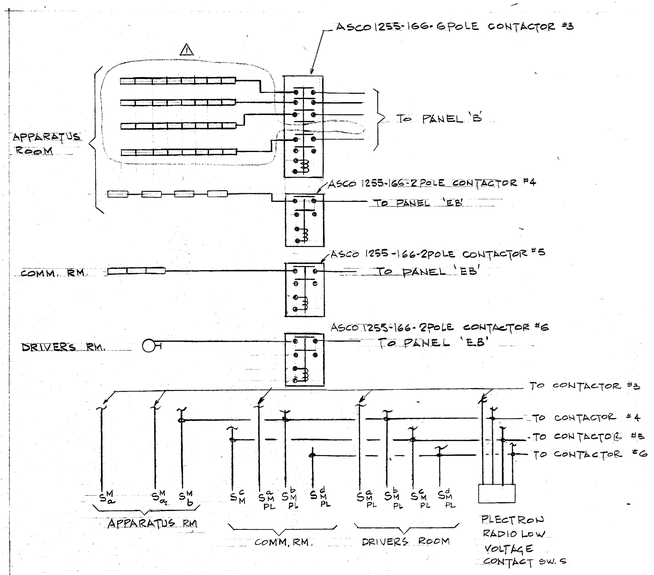
TOMPKINS HOSE COMPANY

LOWER LEVEL PLAN - LIGHTING

the office of ira kessler | architect
432 Main St Beacon, N.Y. 12508 (914) 831-7096

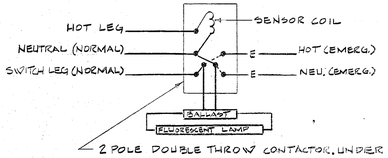
DRAWING NUMBER E-4

SCALE 1/8"=1'-0" | PROJECT NO 7702 C | DRAWN BY S.Z. | DATE 6-1-79



FIRST ALERT LIGHTING CONTROL DIAGRAM

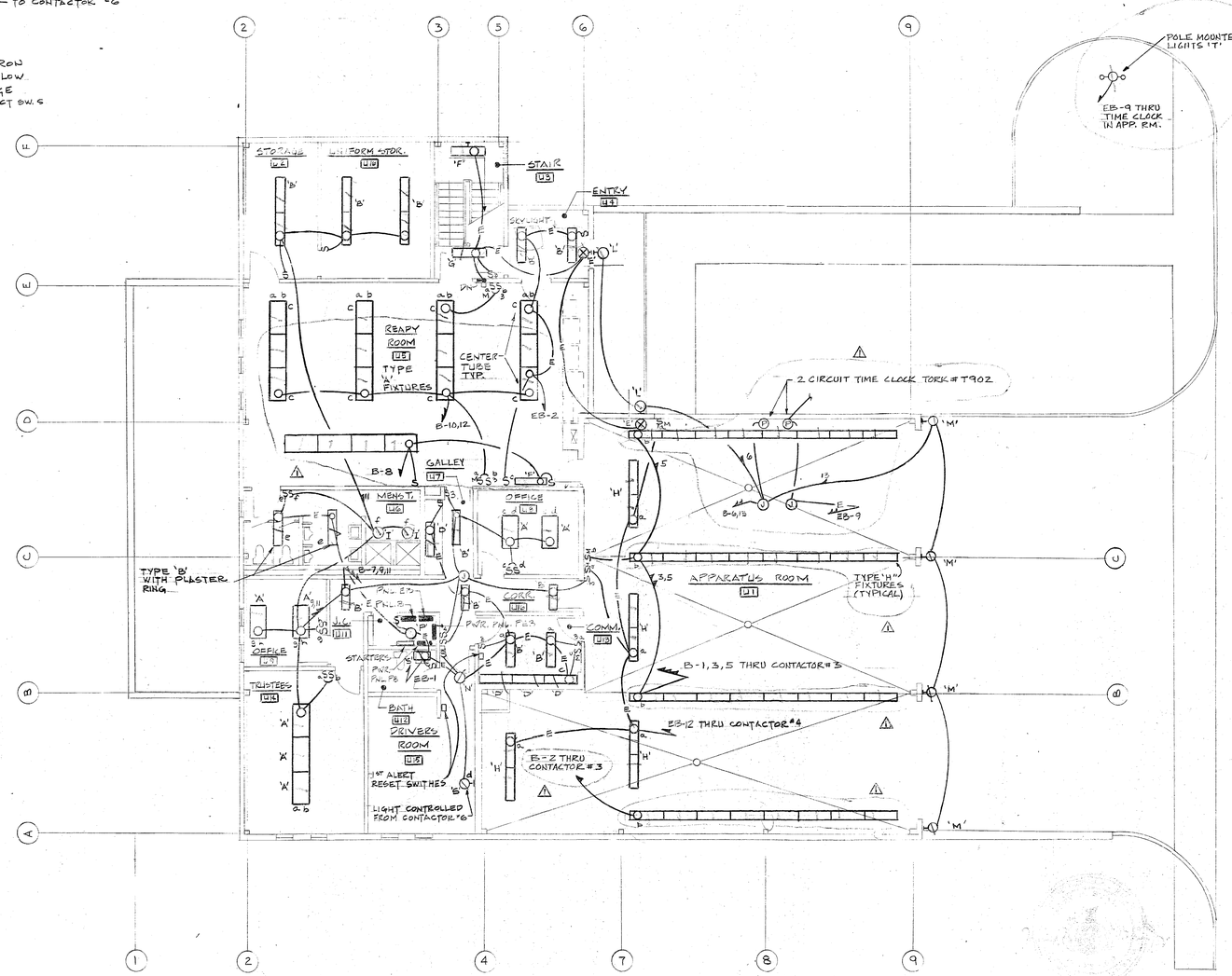
N.T.S.



2 POLE DOUBLE THROW CONTACTOR. UNDER NORMAL OPERATION, LAMP SHALL BE CONTROLLED BY WALL SWITCH. WHEN POWER FAILS UNIT SHALL AUTOMATICALLY TRANSFER TO EMERGENCY CIRCUIT. CONTRACTOR SHALL CARRY A HOT LEG TO THESE LAMPS FOR UNIT TO SENSE A POWER FAILURE.

TYPICAL WIRING DIAGRAM FOR DUAL CIRCUITED LIGHTS

N.T.S.



FOR CONSTRUCTION

⚠ ADDENDUM #1 6-27-79

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK

BEACON FIREHOUSE IMPROVEMENTS

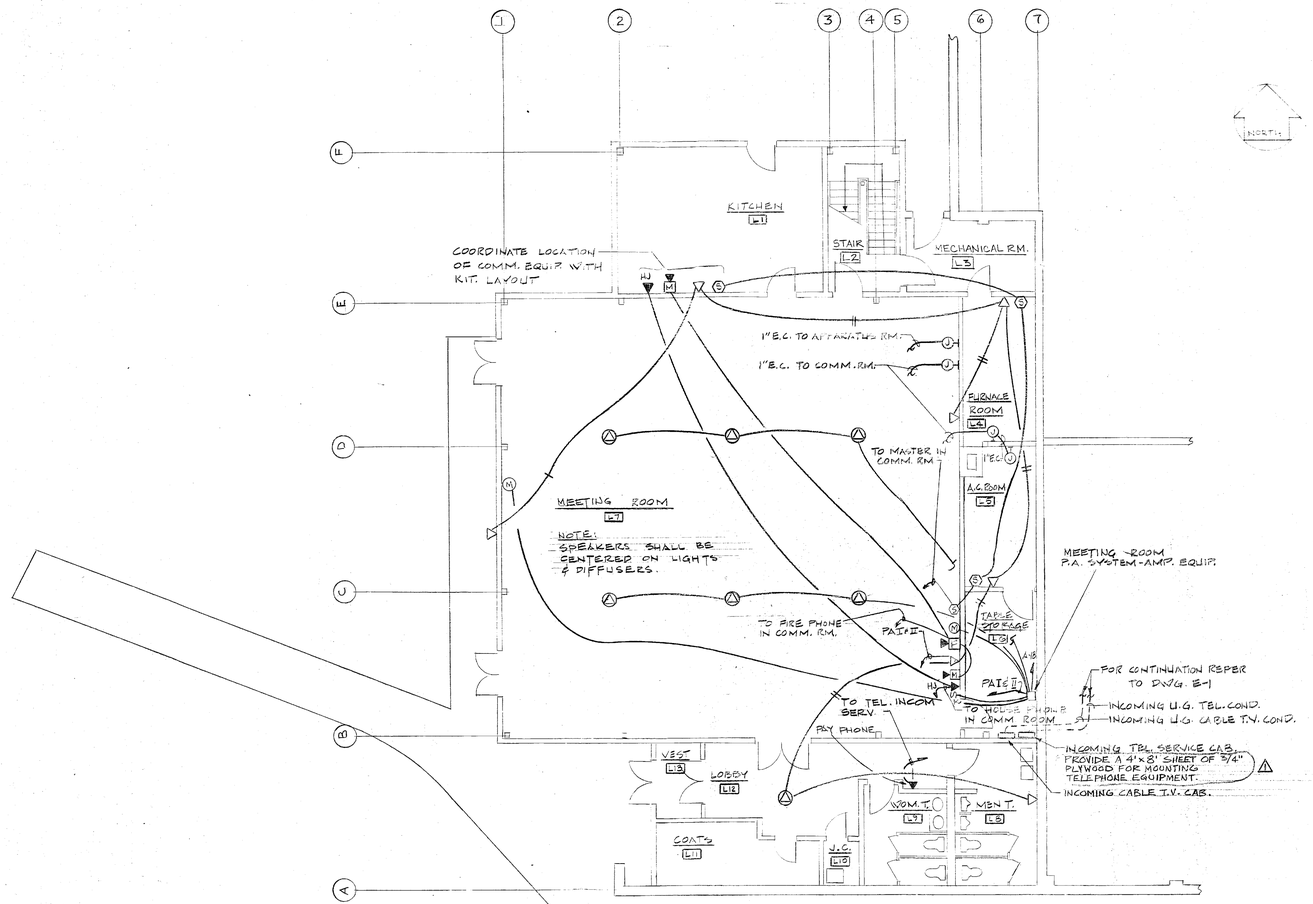
TOMPKINS HOSE COMPANY

UPPER LEVEL PLAN - LIGHTING

the office of ira kessler | architect
432 Main St Beacon, N.Y. 12508 (914) 831-7096

DRAWING NUMBER E-5

SCALE 1/8"=1'0" | PROJECT NO. 7702C | DRAWN BY S.Z. | DATE 6-1-79



PLAN - LOWER LEVEL
COMMUNICATIONS

FOR CONSTRUCTION

⚠ ADDENDUM #1 6-27-79

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK.

BEACON FIREHOUSE IMPROVEMENTS

TOMPKINS HOSE COMPANY

LOWER LEVEL-COMMUNICATIONS

the office of ira kessler architect
432 Main St Beacon, N.Y. 12508 (914) 831-7096

DRAWING NUMBER E-6

SCALE 1/8"=1'0" | PROJECT NO. 7702C | DRAWN BY S.Z. | DATE 6-1-79

NORTH

STORAGE
W2

UNIFORM STOR.
W10

STAIR
U3

ENTRY
U4

READY ROOM
U5

1" EC
TO CABLE CO. POINT OF ENTRANCE. VERIFY WITH CABLE CO.

1" E.C. FROM MEETING ROOM

APPARATUS ROOM
U1

MANUAL RESET

P3

MBNS. T.
U6

TO TEL. INCOM SERVICE

GALLEY
U7

OFFICE
U8

TO HOUSE PHONE IN COMM. RM.

TO MASTER IN COMM. RM.

TO FIRE PHONE & MONITOR IN COMM. RM.

P2

SIREN

PA II

PAY PHONE

JANITOR
U11

TO POLICE

PA I & II

CLANTON COMMUNICATIONS ROOM
U9
(SEE PART PLAN)

OFFICE
U7

BATH
U13

TRUSTEES
U14

DRIVERS RM.
U15

PA I & II

MAY BE RUN IN COMMON CONDUIT

TO HOUSE PHONE IN COMM. RM.

TO POLICE PHONE IN COMM. RM.

TO FIRE MONITOR IN COMM. RM.

MANUAL RESET

LIGHT

P-3

P-2

MANUAL RESET

SIREN

PLAN - UPPER LEVEL
COMMUNICATIONS

1" E.C. TO ROOF NEAR HIGH POINT

1" E.C. TO MECH. RM.

1" E.C. TO MEETING RM.

SIREN MANUAL RESET

BELL MANUAL RESET

ADJUSTABLE RESET TIMER 0-600SEC.(5)

CLOCK & LIGHT RESET

PUBLIC ADDRESS (PA) SECTION I & II

BEARCAT SCANNER

PLECTRON RADIO FIRST ALARM SYSTEM (1)

PLECTRON RADIO CONTROL UNIT (2)

COMMUNICATIONS
ROOM PART PLAN
SCALE: 1/4" = 1'-0"

FOR CONSTRUCTION

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE. BEACON, NEW YORK

BEACON FIREHOUSE IMPROVEMENTS

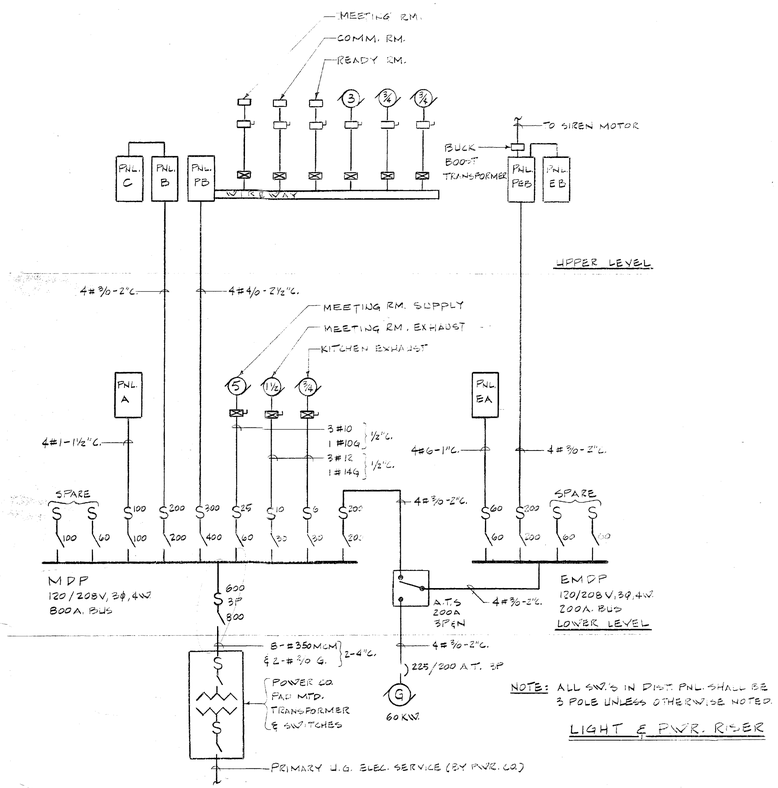
TOMPKINS HOSE COMPANY

UPPER LEVEL-COMMUNICATIONS

the office of ira kessler architect
422 Main St. Beacon, N.Y. 12508 (914) 831-7096

DRAWING NUMBER
E-7

SCALE 1/8"=1'-0" | PROJECT NO. 7702C | DRAWN BY S.Z. | DATE 6-1-70



NOTE: ALL SW.'S IN DIST. PNL. SHALL BE 3 POLE UNLESS OTHERWISE NOTED.

LIGHT & PWR. RISER

LIGHTING PANEL SCHEDULES 120/208V., 3Ø, 4W.

PANEL	CIRCUITS	FRAME	TRIP	POLES	SERVES	WIRE	COND.
A	3-20, 22, 24	100	20	1	ACTIVE	#12	AS REQ'D
	21, 23, 25-28	100	20	1	SPARE	–	–
	29, 30	—	—	1	SPACE	–	–
	1	100	30	1	DIMMER	2#10	½"
B	1-26	100	20	1	ACTIVE	#12	AS REQ'D
	27-33	100	20	1	SPARE	–	–
	34	100	60	3	PANEL C	4#6	1"
C	1-6	100	20	1	ACTIVE	#12	AS REQ'D
	7, 8, 9	100	20	1	ACTIVE	#12	–
⚠	10-12			1	SPACE	–	–
EA	1-6	100	20	1	ACTIVE	#12	AS REQ'D
	7-12	100	15	1	CIRC. PUMPS	2#12 #14G	AS REQ'D
	13	100	20	1	TELEPHONE RECEPTACLE	#12	AS REQ'D
⚠	14-18	100	20	1	SPARE		
EB	1-12	100	20	1	ACTIVE	#12	AS REQ'D
	13-18	100	20	1	SPARE	–	–

Panel No. PB — Mtg: Int Cap Amp Symm — Mounting — Feeder Sz — 3 Phase, 4 Wire — 120/208 Volts — Feeder No

Branch Circuit: Ckt No	Circuit Breaker: Pole	Trip Amp	Adj	Non Adj	Load Designation	KW HP	Conductor: No	Conductor: Awg Mcm	Conduit: No	Conduit: Size	Remarks
1	3	200	✓		MEETING RM. SUPPLY &	5	3/		1	1½	
2	3	70	✓	✓	COMM. RM. & READY RM.	4/3	4/	8/10G	1	1"	
3	3	100	✓		READY RM. &	3/4	4/	4		1¼	
4	3	20		✓	APPLIANCE &	2	4/	12G		½	
5	3	15		✓	SPARE &	3/4	4/				
6	3	15		✓	"	3/4	4/				
7	2	15		✓	SPARE & SPACE	1/4					
8	2	15		✓	"	1/4					
9	2	20		✓	DRIER	2	2/			½	
10	3	20		✓	OVERHEAD DOOR MOTOR	2	3/			½	
11	2	20		✓	SPARE		2/			½	
12	1	20		✓	OVERHEAD DOOR MOTOR	1	2/			½	
13				✓	SPARE						
14	1			✓	DUPLEX RECEPTACLE	½	2/				
15	1	20		✓	RESERVED		2/	✓		✓	
16	3	60		✓	HOSE DRYER ⚠	6	3/	6	✓	1	
17	3	20			SPARE						
18	2	20									
19		20			"						
20		20			"						

3 pole 20 B ✓
3 pole 20 B ✓
2 pole 20 B ✓
2 pole 20 B ✓

Panel No. PEB — Mtn Int Cap Amp Symm — Mounting — Feeder Sz — 3 Phase, 4 Wire — 120/208 Volts — Feeder No

Branch Circuit: Ckt No	Circuit Breaker: Pole	Trip Amp	Adj	Non Adj	Load Designation	KW HP	Conductor: No	Conductor: Awg Mcm	Conduit: No	Conduit: Size	Remarks
1	3	70	✓		SIREN MOTOR THRU F	10			1		
2	2	20		✓	HOT PLATE	2	2/	12	1	½	
3	2	20		✓	DRYER RM. FAN	½	2/	12	1	½	
4	2	20		✓	AIR COMP.	½	2/	12	1	½	
5	1	20		✓	BATTERY CHARGER	½	2/1	12	1	½	
6	1	20		✓		½	2/1	12	1	½	
7	3	60		✓	PANEL EC ⚠	10	3/	4	✓	1	
8	2	20		✓	SPARE						
9	2	20		✓	OVERHEAD DOOR MOTOR	2	3/1	12/12G	1	½	
10	2	20		✓	SPARE						

FOR CONSTRUCTION

⚠ ADDENDUM #1 6-27-79

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK

BEACON FIREHOUSE IMPROVEMENTS

TOMPKINS HOSE COMPANY

SCHEDULES & RISER DIAGRAMS

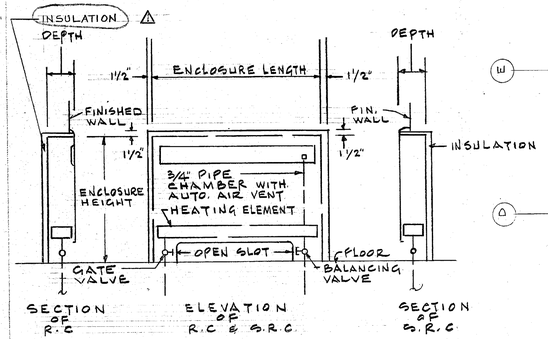
the office of ira kessler architect
432 MAIN ST. BEACON, N.Y. 12508 (914) 831-7095

DRAWING NUMBER E-8

SCALE NONE. PROJECT NO 7702.C DRAWN BY S.K. DATE 6-1-79

SYMBOLS

	SUPPLY DUCT
	RETURN OR EXHAUST DUCT
F.T.R	FIN-TUBE RADIATION
F.R.C	FULLY-RECESSED CONVECTOR
S.R.C	SEMI-RECESSED CONVECTOR
T.W.U	THRU-WALL UNIT
C.H	CABINET HEATER
C.R	CEILING REGISTER
T.R	TOP REGISTER
B.R	BOTTOM REGISTER
( )	FIGURES IN BRAKETS INDICATE CFM
P.C	PLUMBING CONTRACTOR
C.D	CEILING DIFFUSER
G.C	GENERAL CONTRACTOR
M.D	MOTORIZED DAMPER
O.A.I	OUTSIDE AIR INTAKE
H.W.S	HOT WATER SUPPLY
H.W.R	HOT WATER RETURN
MBH	THOUSANDS OF BTU PER HOUR
H.C	HUNG CEILING
S.E.F	SMOKE EXHAUST FAN
HVAC CONTR	HEATING VENTILATING & AIR CONDITIONING CONTRACTOR
F.C	FLEXIBLE CONNECTION
A.D	ACCESS DOOR
T.R.P	THRU-ROOF
(B)	BREATHER OPENING BY G.C (FREE AREA GIVEN IN SQ.FT) ABOVE H.C
(T)	THERMOSTAT
(L)	LOUVERED OR UNDERCUT DOOR BY G.C (FREE AREA GIVEN IN SQUARE INCHES)
E.F	EXHAUST FAN
(H)	THRU BEAM
K.E	KITCHEN EXHAUST
←	DIRECTION OF FLOW
(I)	SOUND INSULATED
(F)	FIRE DAMPER
B.B.R	BASE BOARD RADIATOR
B.D	BAROMETRIC DAMPER
T.C	TERRA-COTTA



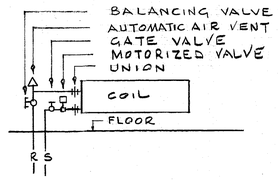
DETAIL OF RECESSED & SEMI-RECESSED CONVECTORS

NO SCALE

NOTES

1. CONVECTOR DEPTH - 4" = 7/16" PROJECTION INTO RM
   6" = 2½"
   8" = 4½"
2. INSULATE BACK, TOP & SIDES OF ALL S.R.C WITH ½" THICK FIBERGLASS INSULATION.
3. PIPING ARRANGEMENT TO CABINET HEATERS, FIN-TUBE & BASE BOARD RADIATION SAME AS CONVECTORS.
4. CABINET HEATERS - C.H #1, #2, #3 & #4
   SIZE 02 - GPM - 1.1 CFM 200
   W.P.D - 0.2 - CAPACITY - 14.5MBH AT LOW SPEED
   700 RPM - 200 E.W.T & 60° F
5. C.H #1 - SEMI-RECESSED - PROJECTION DEPTH - 4¾" - H46
   C.H #2 & #3 - FULLY RECESSED - PROJECTION DEPTH - 5⅞" - H46
   C.H #4 - FREE STANDING - B-12
6. OVERALL DEPTH OF CH's - #1, #2 & #3 - 9⅛". CH #4 - 9" - B-12
   OVERALL HEIGTH OF CH's #1, #2 & #3 - 28" CH #4 - 25"
7. ALL CABINET HEATERS SHALL HAVE 3 SPEED SWITCH & THERMOSTAT UNIT MTD EX. 2 H #3. THERM. REMOTE.
8. CABINET HEATERS, FIN-TUBE RADIATORS & CONVECTORS BASED ON TRANE
9. FIN-TUBE RADIATOR - TYPE 12 TA - 1 ROW ELEMENT - 1¼" COPPER - ALUMINUM - SERIES - 200 FINS - W/12" H. ENCLOSURE
10. BASE BOARD RADIATOR - VULCAN - STYLE 1000B

VERIFY WALL THICKNESS FOR EACH CABINET HEATER AND CONVECTOR INSTALLATION TO DETERMINE DEPTH OF RECESS AND PROJECTION OF FRONT PANEL BEFORE ORDERING.



THRU-WALL-AIR-CONDITIONING UNIT PIPING CONNECTIONS

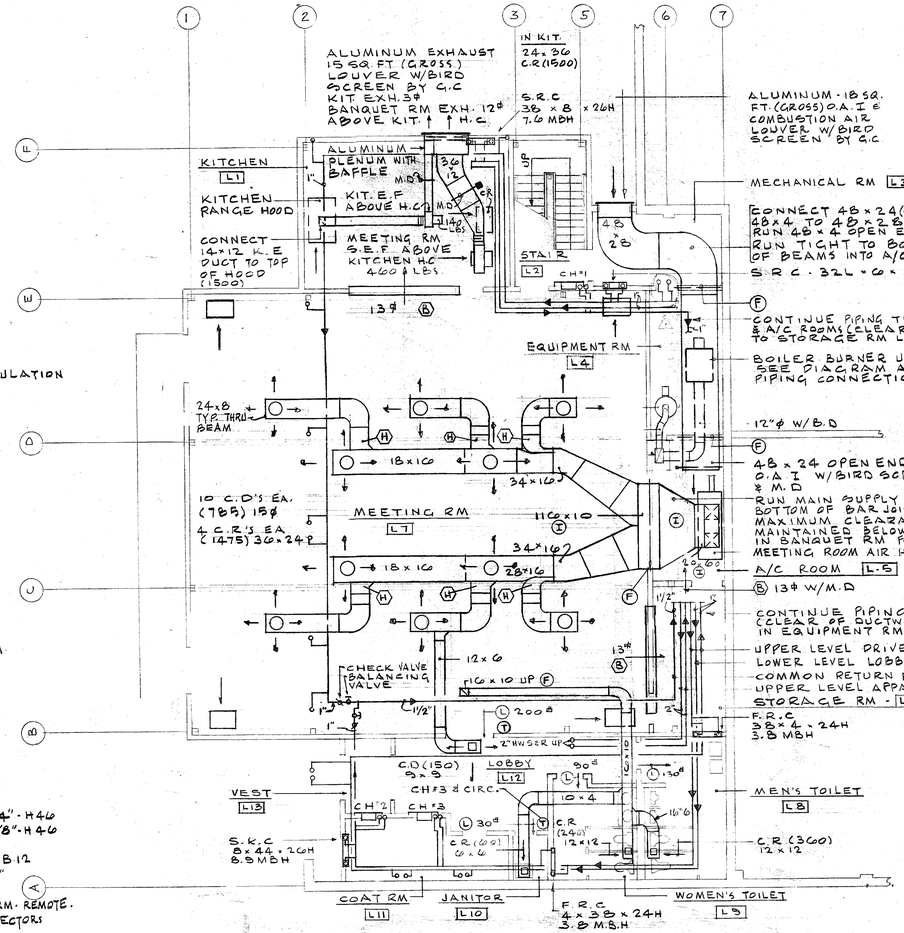
NO SCALE

PERFORMANCE DATA

TYPE K-10 - COOLING BTUH - 9000 - HOT WATER HEATING BTUH - 12,500 CFM @ 1050 RPM - 270

TYPE K-12 - COOLING BTUH - 11,700 HOT WATER HEATING BTUH - 13,300 CFM @ 1050 RPM - 320

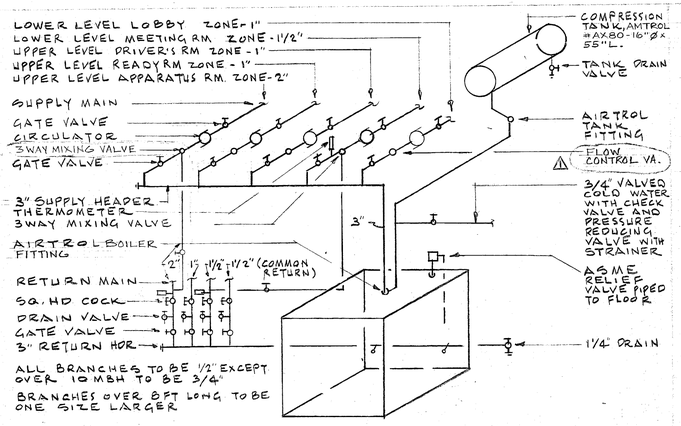
EACH UNIT SHALL HAVE A STANDARD FLUSH-TYPE EXTRUDED ALUMINUM LOUVER W/PERIMETER FRAME



PLAN - LOWER LEVEL

BOILER PIPING DIAGRAM

NO SCALE



CIRCULATORS

LOBBY ZONE: - B&G - #100 - 115 - ¼HP - 115V - 1ø 7.3 GPM - 20 HD

MEETING RM ZONE: - B&G - #100 - 115 - ¼HP - 115V - 1ø 20 GPM - 8 HD

DRIVER'S ZONE - B&G - F100 - W/1" FLANGE - ½HP - 115V - 1ø 4.0 GPM - 8 OH.D

READY RM ZONE - B&G - HV - W/1" FLANGE - ½HP - 115V - 1ø 50 GPM - 8½ HD

APPARATUS RM ZONE - B&G - 60115 - ¼HP - 115V - 1ø 29.2 GPM - 12 HD

ALL RADIATION CONNECTING TO ONE PIPE LOOP SHALL HAVE TWO MONO-FLO FITTINGS.

FOR CONSTRUCTION

⚠ ADDENDUM #1 6-27-79

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE. BEACON, NEW YORK.

BEACON FIREHOUSE IMPROVEMENTS

TOMPKINS HOSE COMPANY

LOWER LEVEL PLAN

the office of ira kessler architect
432 Main St. Beacon N.Y. 12508 (914) 831-7096

DRAWING NUMBER HVAC-1

SCALE ⅛"=1'0" | PROJECT NO. 7702 C. | DRAWN BY P.G | DATE JUNE 1, 1979

EQUIPMENT SCHEDULE

CENTRIFUGAL ROOF EXHAUSTERS

FAN	MODEL	CFM	S.P	H.P	WEIGHT	RF OPNG	DIA.	HT.	CURB	RPM	SERVING
E-1	CE-10-B	6608	3/8"	1/2	80 LBS.	13" SQ.	25 3/4"	20"	22" SQ.	1140	LOWER LEVEL TOILETS
E-2	CE-8-E	1181	1/4"	1/40	40 LBS	11" SQ.	21 1/2"	16 1/2	18" SQ.	1050	UPPER LEVEL BATH RM
E-3	CE-10-C	455	1/4"	1/20	80 LBS	13" SQ.	25 3/4"	20"	22" SQ.	860	UPPER LEVEL TOILET
E-4	CBE-18-4	1904	3/8"	1/4	200 LBS	18" SQ.	38 13/16"	29"	30" SQ.	650	UPPER LEVEL READY RM.

ALL FANS BASED ON GREENHECK

CENTRIFUGAL EXHAUSTERS

FAN	MODEL	CFM	SP	H.P	WEIGHT	HEIGHT	WIDE	DEEP	RPM	O.V	SERVING
E-5	SWB-24	6431	.50	1 1/2	460 LBS	48 7/8"	46 3/8"	40"	834	1950	MEETING ROOM
E-6	SWB-15	1604	1.25	3/4	200 LBS	29 7/8"	32"	20	1331	1300	KITCHEN

MEETING ROOM & KITCHEN FANS SHALL HAVE SPRING VIBRATION ISOLATOR HANGERS; MEETING RM FAN W/INLET GUARD
KITCHEN FAN SHALL HAVE ALUMINUM WHEEL, ACCESS COVER IN SCROLL & DRAIN CONNECTION.

SIDEWALL PROPELLER FAN

E-7 & 8 - MODEL SPN-30 - CFM-6758 - SP. 1/4" - RPM-645 - H.P. 3/4 - WITH MOTORIZED SHUTTER - APPARATUS RM
E-7 & 8 - FANS SHALL BE MOUNTED ON 3/4" PLYWOOD FRAME. PROVIDE FELT GASKET BETWEEN WALL & FRAME

APPARATUS ROOM HEATING & VENTILATING UNIT

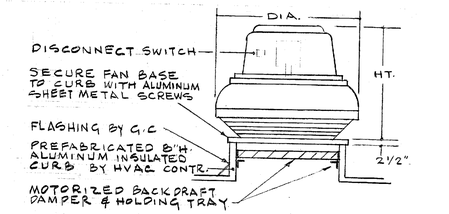
TRANE - TORREVENT # T-12 - CFM 6000 - SP. 1 1/4" - HP. 3 - B.HP. 2.12 - RPM. 653 - 54 S FACE COIL VELOCITY. UNIT SHALL HAVE FLAT FILTER BOX W/HIGH VEL. PERMANENT FILTERS & HOT WATER HTG COIL CAPABLE OF HEATING 6000 CFM FROM -4°F TO 60°F WITH 29.2 GPM OF 200°E.W.T. 20°T.D WITH A MAX OF 5PT COIL DROP
THE H&V UNIT SHALL BE PROVIDED WITH SPRING VIBRATION ISOLATOR HANGERS. - 840 LBS.

READY ROOM ROOF TOP AIR CONDITIONER

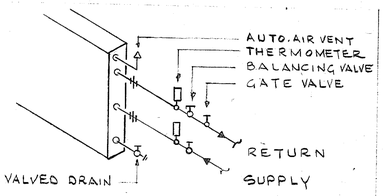
TRANE - MODEL - SACA-75 - T.S.P. .60 - CFM-3000 - RPM. 1140 - BHP - 1.87 - H.P. 2 - ELECTRIC HEATER - 15KW - ECONOMIZER & PRESSURE RELIEF & ROOF CURB. 1500 LBS. - 208V - 3ϕ - 60 CY. - 20 0 AMPS - MAX

COMMUNICATIONS ROOF TOP AIR CONDITIONER

TRANE - MODEL - SAHA-20 - CFM-800 - SP. .40 - RPM. 1075 - H.P. 1/6 - ELECTRIC HEATER - 4.0 K.W ECONOMIZER - FURNISHED BY THE HVAC - CONTR. - 208V - 1ϕ - 60CY - 80. I AMPS MAX. & ROOF CURB APPROX WT 700 LBS



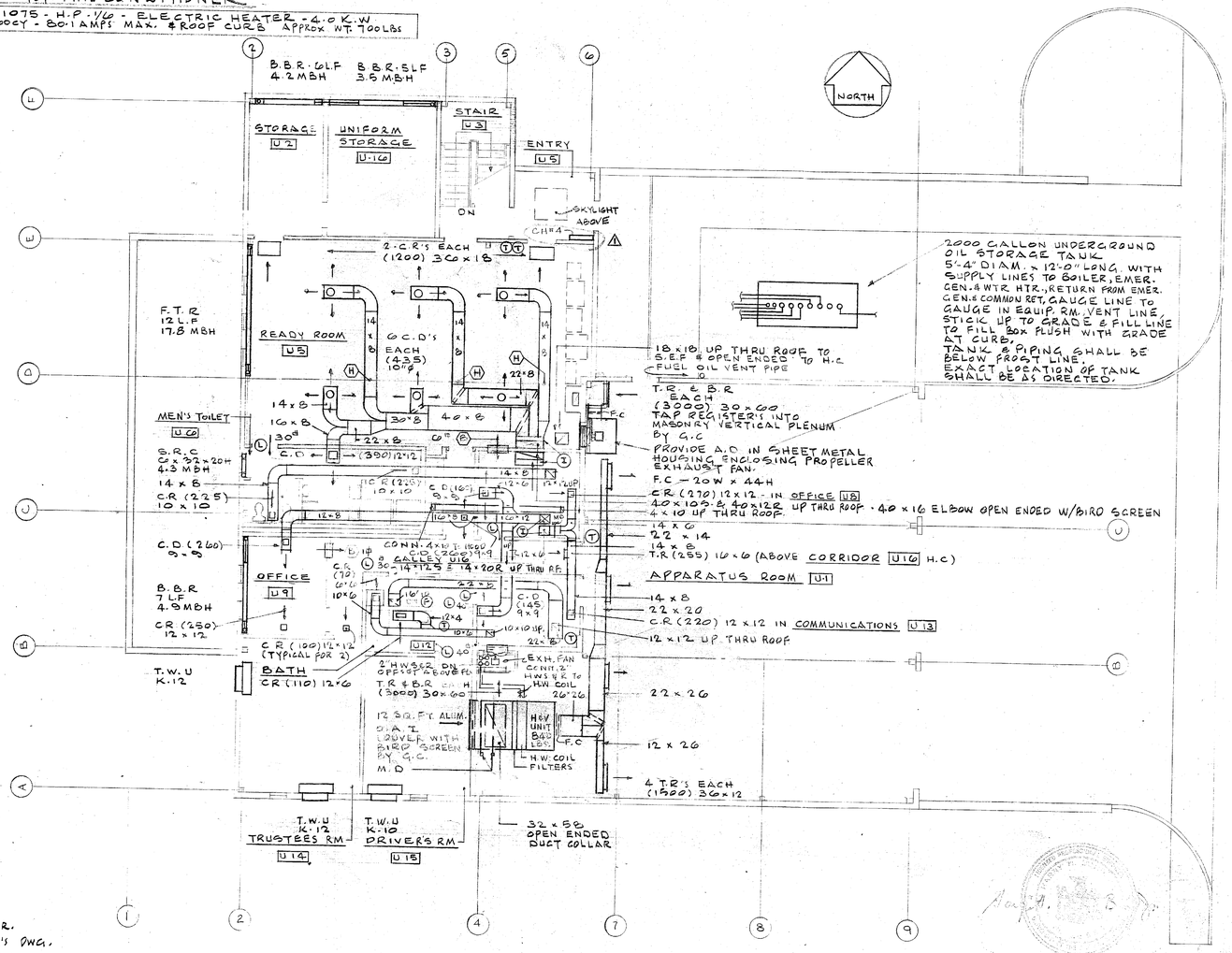
TYPICAL
ROOF EXHAUST FAN DETAIL
NO SCALE

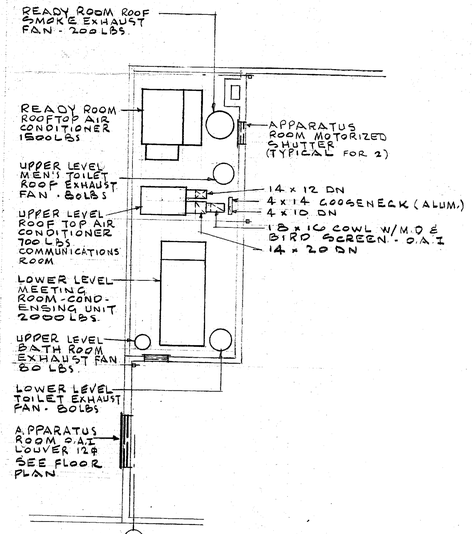


PIPING CONNECTIONS
TO HOT WATER HEATING COILS
NO SCALE

MEETING ROOM AIR CONDITIONING SYSTEM

TRANE - CENTRAL STATION LOW PRESSURE VERTICAL AIR HANDLER . # 17 WITH 4 ROW - FIN SERIES 16 DX COOLING COIL - HOT WATER HEATING COIL CAPABLE OF HEATING 8000 CFM FROM +50.6°F DB Mix TO 74.4°F WITH 20.6 GPM 9E 200 E.W.T. 20°T WITH A MAX. OF 5FT COIL DROP - FLAT FILTER BOX W/LOW VEL. PERMANENT FILTERS - PERFORMANCE DATA - 1500 T.S.P. - 3.3 BHP - 5 HP EVAP MTR - 873 RPM
TRANE - CONDENSING UNIT - RAUA - 200 - M RATED AT 28.2 MBH - 115 B & 89°F AMB. TEMP. - THE HVAC CONTR SHALL FURNISH & INSTALL SOLENOID VALVE EXPANSION VALVE, HOT GAS MUFFLER & FILTER DRYER. INSTALL THE AIR HANDLER ON SPRING VIBRATION ISOLATORS. CONDENSING UNIT APPROX WT 2000 LBS.





PART ROOF PLAN
SCALE: 1/8"=1'-0"

NOTE:
EXACT LOCATION OF ALL EQUIPMENT ON ROOF SHALL BE COORDINATED WITH THE ARCHITECTS & STRUCTURAL ENGINEERS ROOF PLANS.

EXTEND DRAIN FROM ROOFTOP A/C UNITS TO SPLASH BLOCKS ON ROOF. 18" x 18" SPLASH BLOCKS BY HVAC CONTR.
COORDINATE DUCT OPG'S THRU BEAMS W/ STRUCTURAL ENG'S DWG.

FOR CONSTRUCTION

⚠ ADDENDUM #1 6-27-79

BEACON COMMUNITY DEVELOPMENT AGENCY
100 WOLCOTT AVENUE BEACON, NEW YORK

BEACON FIREHOUSE IMPROVEMENTS

TOMPKINS HOSE COMPANY

UPPER LEVEL PLAN

the office of ira kessler architect
432 Main St Beacon, N.Y 12508 (914) 831-7096

DRAWING NUMBER HVAC-2

SCALE 1/8"=1'0" | PROJECT NO 7702C | DRAWN BY PG | DATE JUNE 1, 1979

A. G. SMITH & CO.
OF BADGER INC.
149 MAIN STREET
BEACON, N.Y. 12508

4-15-81

SECTION 074213.13
FORMED METAL WALL PANELS

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Flush-profile, concealed fastener metal wall panels, with related liner panels, metal trim, and accessories.

1.02 RELATED REQUIREMENTS

A. Division 05 Section "Structural Steel Framing" for steel framing supporting metal panels.

B. Division 05 Section "Cold-Formed Metal Framing" for cold-formed metal framing supporting metal panels.

C. Division 07 Section "Thermal Insulation" for thermal insulation installed behind metal panels.

D. Division 07 Section "Air Barriers" for air barriers within wall assembly and adjacent to wall assembly.

E. Division 07 Section "Metal Soffit Panels" for soffit panels installed with metal wall panels.

F. Division 07 Section "Sheet Metal Flashing and Trim" for sheet metal flashing items in addition to items specified in this Section.

1.03 REFERENCES

A. American Architectural Manufacturer's Association (AAMA): www.aamanet.org:

1. AAMA 621 - Voluntary Specifications for High Performance Organic Coatings on Coil Coated Architectural Hot Dipped Galvanized (HDG) & Zinc-Aluminum Coated Steel Substrates.
2. AAMA 809.2 Voluntary Specification Non-Drying Sealants.

B. American Society of Civil Engineers (ASCE): www.asce.org/codes-standards:

1. ASCE 7 - Minimum Design Loads for Buildings and Other Structures.

C. ASTM International (ASTM): www.astm.org:

1. ASTM A755 - Specification for Steel Sheet, Metallic Coated by the Hot-Dip Process and Prepainted by the Coil-Coating Process for Exterior Exposed Building Products.
2. ASTM A792/A792M - Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process.
3. ASTM C920 - Specification for Elastomeric Joint Sealants.
4. ASTM D2244 - Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates.
5. ASTM D4214 - Test Methods for Evaluating Degree of Chalking of Exterior Paint Films.
6. ASTM E283 - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.

7. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference.
8. ASTM E1592 - Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference.

D. International Accreditation Service (IAS):

1. IAS AC472 Accreditation Criteria for Inspection Programs for Manufacturers of Metal Building Systems, Part B.

1.04 QUALITY ASSURANCE

A. Manufacturer/Source: Provide metal panel assemblies and accessories from a single manufacturer accredited under IAS AC472, Part B.

B. Manufacturer Qualifications: Approved manufacturer listed in this Section with minimum five years' experience in manufacture of similar products in successful use in similar applications.
1. Approval of Comparable Products: Submit the following in accordance with project substitution requirements, within time allowed for substitution review:

a. Product data, including certified independent test data indicating compliance with requirements.
b. Samples of each component.
c. Sample shop drawings from a similar project.
d. Project References: Minimum of five installations not less than three years old, with Owner and Architect contact information.
e. Sample warranty.
f. Certificate of accreditation under IAS AC472 Part B.

2. Substitutions following award of contract are not allowed except as stipulated in Division 01 General Requirements.

C. Installer Qualifications: Experienced Installer with minimum of five years' experience with successfully completed projects of a similar nature and scope.

1. Installer's Field Supervisor: Experienced mechanic supervising work on site whenever work is underway.

D. Steel Construction Publications: Comply with published recommendations in the following, unless more stringent requirements are indicated.

1. American Institute of Steel Construction (AISC): "Steel Construction Manual."
2. American Iron and Steel Institute (AISI): "Cold Formed Steel Design Manual."

1.05 ACTION SUBMITTALS

A. Product Data: Manufacturer's data sheets for specified products. Include data indicating compliance with performance requirements.

B. Shop Drawings: Show layouts of metal panels. Include details of each condition of installation, panel profiles, and attachment to building. Provide details at a minimum scale 1-1/2-inch per foot of edge conditions, joints, fastener and sealant placement, flashings, openings, penetrations, and special details. Make distinctions between factory and field assembled work.

1. Indicate points of supporting structure that must coordinate with metal panel system installation.
2. Include structural data indicating compliance with performance requirements and requirements of local authorities having jurisdiction.

C. Samples for Initial Selection: For each exposed product specified including sealants. Provide actual material samples representative of manufacturer's full range of colors.

1.06 INFORMATIONAL SUBMITTALS

A. Product Test Reports: Indicating compliance of products with requirements.

B. Qualification Information: For Installer firm and Installer's field supervisor.

C. **Florida State Building Code Certificate**: Indicating that products comply with requirements of Florida State Building Code. www.floridabuilding.org/pr/pr_app_srch.aspx

D. Manufacturer's warranty: Unexecuted sample copy of manufacturer's warranty.

1.07 CLOSEOUT SUBMITTALS

A. Maintenance data.

B. Manufacturer's Warranty: Executed copy of manufacturer's warranty.

1.08 DELIVERY, STORAGE, AND HANDLING

A. Protect products of metal panel system during shipping, handling, and storage to prevent staining, denting, deterioration of components or other damage. Protect panels and trim bundles during shipping.

1. Deliver, unload, store, and erect metal panels and accessory items without misshaping panels or exposing panels to surface damage from weather or construction operations.
2. Store in accordance with Manufacturer's written instruction. Provide wood collars for stacking and handling in the field.
3. Shield foam insulated metal panels from direct sunlight until installation.

1.09 WARRANTY

A. Special Manufacturer's Warranty: On manufacturer's standard form, in which manufacturer agrees to repair or replace metal panel assemblies that fail in materials and workmanship within one year from date of Substantial Completion.

B. Special Panel Finish Warranty: On Manufacturer's standard form, in which Manufacturer agrees to repair or replace metal panels that evidence deterioration of factory-applied finish within the warranty period, as follows:

1. **Fluoropolymer** Two-Coat System:

a. Basis of Design System: **MBCI, Signature 300**.
b. Color fading in excess of 5 Hunter units per ASTM D2244.
c. Chalking in excess of No. 8 rating per ASTM D4214.
d. Failure of adhesion, peeling, checking, or cracking.
e. Warranty Period: 40 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.01 MANUFACTURER

A. Basis of Design Manufacturer: **MBCI Metal Roof and Wall Systems, Division of NCI Group, Inc.**; Houston TX. Tel: (877)713-6224; Email: info@mbci.com; Web: www.mbci.com.

1. Provide basis of design product, or comparable product approved by Architect prior to bid.

2.02 PERFORMANCE REQUIREMENTS

A. General: Provide metal panel system meeting performance requirements as determined by application of specified tests by a qualified testing facility on manufacturer's standard assemblies.

B. Structural Performance: Provide metal panel assemblies capable of withstanding the effects of indicated loads and stresses within limits and under conditions indicated, as determined by ASTM E1592:

1. Wind Loads: Determine loads based on uniform pressure, importance factor, exposure category, and basic wind speed indicated on drawings.

a. Wind Negative Pressure: Certify capacity of metal panels by actual testing of proposed assembly.

2. Deflection Limits: Withstand inward and outward wind-load design pressures in accordance with applicable building code with maximum deflection of 1/120 of the span with no evidence of failure.
3. Seismic Performance: Comply with ASCE 7 Sections 9, "Earthquake Loads."

C. **Florida State Building Code Compliance**: Provide metal roof and wall panels complying with requirements for installation under Florida State Building Code outside of high velocity wind zone.

D. Wall Panel Air Infiltration, ASTM E283:

1. No air infiltration at static-air-pressure difference of 1.57 lbf/sq. ft. (75 Pa).

E. Wall Panel Water Penetration Static Pressure, ASTM E331: No uncontrolled water penetration at a static pressure of 6.24 lbf/sq. ft. (300 Pa).

F. Thermal Movements: Allow for thermal movements from variations in both ambient and internal temperatures. Accommodate movement of support structure caused by thermal expansion and contraction. Allow for deflection and design for thermal stresses caused by temperature differences from one side of the panel to the other.

2.03 FORMED METAL WALL PANELS

A. Flush-Profile, Concealed Fastener Metal Wall Panels: Structural metal panels consisting of formed metal sheet with vertical panel edges and flat pan, with flush joints between panels, field assembled with nested lapped edges, and attached to supports using concealed fasteners.

1. Basis of Design: **MBCI, FW-120 Panel.**

2. Aluminum-Zinc Alloy-Coated Steel Sheet: ASTM A792/A792M, structural quality, Grade 50, Coating Class AZ50 (Grade 340, Coating Class AZM150), pre-painted by the coil-coating process per ASTM A755/A755M.

   a. Nominal Thickness: 22 gage coated thickness, with smooth surface.

      1) Exterior Finish: Fluoropolymer two-coat metallic color system.
      2) Color: As selected by Architect from manufacturer's standard colors.

3. Panel Width: 12 inches (305 mm).
4. Panel Thickness: 1-1/2 inch (38 mm).

2.04 MISCELLANEOUS MATERIALS

A. General: Provide complete metal panel assemblies incorporating trim, copings, fasciae, gutters and downspouts, and miscellaneous flashings. Provide required fasteners, closure strips, and sealants as indicated in manufacturer's written instructions.

B. Flashing and Trim: Match material, thickness, and finish of metal panels.

C. Panel Fasteners: Self-tapping screws and other acceptable fasteners recommended by metal panel manufacturer. Where exposed fasteners cannot be avoided, supply corrosion-resistant fasteners with heads matching color of metal panels by means of factory-applied coating, with weathertight resilient washers.

D. Panel Sealants:

1. Factory-Applied Seam Sealant: Manufacturer's standard hot-melt type.
2. Concealed Joint Sealants: Non-curing butyl, AAMA 809.2.
3. Elastomeric Joint Sealants: Urethane sealant, single-component, ASTM C920 Type S, Grade NS, Class 25, Use NT, A, M, G, O.
4. Foam Tape: Manufacturer's standard self-adhering type.

2.05 FABRICATION

A. General: Provide factory fabricated and finished metal panels, trim, and accessories meeting performance requirements, indicated profiles, and structural requirements.

B. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's written instructions, approved shop drawings, and project drawings.

2.06 FINISHES

A. Finishes, General: Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.

B. Fluoropolymer Two-Coat System: 0.2 – 0.3 mil primer with 0.7 - 0.8 mil 70 percent PVDF fluoropolymer color coat, AAMA 621.

1. Basis of Design: **MBCI, Signature 300**.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine metal panel system substrate with Installer present. Inspect for erection tolerances and other conditions that would adversely affect installation of metal panels.

1. Inspect framing that will support insulated metal panels to determine if support components are installed as indicated on approved shop drawings and are within tolerances acceptable to metal panel manufacturer and installer. Confirm presence of acceptable framing members at recommended spacing to match installation requirements of metal panels.

B. Correct out-of-tolerance work and other deficient conditions prior to proceeding with insulated metal panel installation.

3.02 METAL PANEL INSTALLATION

A. Concealed-Fastener Formed Metal Panels: Install metal panel system in accordance with manufacturer's written instructions, approved shop drawings, project drawings, and referenced publications. Install metal panels in orientation, sizes, and locations indicated. Anchor panels and other components securely in place. Provide for thermal and structural movement.

B. Fasten metal panels to supports with fasteners at each location indicated on approved shop drawings, at spacing and with fasteners recommended by manufacturer. Fasten panel to support structure through leading flange. Snap-fit back flange of subsequent panel into secured flange of previous panel. Where indicated, fasten panels together through flush-fitted panel sides.

1. Cut panels in field where required using manufacturer's recommended methods.
2. Dissimilar Materials: Where elements of metal panel system will come into contact with dissimilar materials, treat faces and edges in contact with dissimilar materials as recommended by metal panel manufacturer.

C. Attach panel flashing trim pieces to supports using recommended fasteners and joint sealers.

D. Joint Sealers: Install liquid sealants where indicated and where required for weatherproof performance of metal panel assemblies.

1. Seal panel base assembly, openings, panel head joints, and perimeter joints using joint sealers indicated in manufacturer's instructions.
2. Seal perimeter joints between window and door openings and adjacent panels using elastomeric joint sealer.
3. Prepare joints and apply sealants per requirements of Division 07 Section "Joint Sealants."

3.03 ACCESSORY INSTALLATION

A. General: Install metal panel accessories with positive anchorage to building and weather tight mounting; provide for thermal expansion. Coordinate installation with flashings and other components.

1. Install components required for a complete metal panel assembly, including trim, copings, flashings, sealants, closure strips, and similar items.

2. Comply with details of assemblies utilized to establish compliance with performance requirements and manufacturer's written installation instructions.
3. Set units true to line and level as indicated. Install work with laps, joints, and seams that will be permanently weather resistant.

3.04 CLEANING AND PROTECTION

A. Clean finished surfaces as recommended by metal panel manufacturer.

B. Replace damaged panels and accessories that cannot be repaired to the satisfaction of the Architect.

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END OF SECTION

SECTION 233713
DIFFUSERS, REGISTERS, AND GRILLES

PART 1 GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

A. Section Includes:
   1. Rectangular and square ceiling diffusers.
   2. Fixed face registers and grilles.
B. Related Sections:
   1. Division 23 Section, "Air Duct Accessories" for fire and volume control dampers not integral to diffusers, registers, and grilles.

1.03 SUBMITTALS

A. Product Data: For each type of product indicated, include the following:
   1. Data Sheet: Indicate materials of construction, finish, and mounting details; and performance data including throw and drop, static pressure drop, and noise ratings.
   2. Diffuser, Register, and Grille Schedule: Indicate drawing designation, room location, quantity, model number, size, and accessories furnished.
   3. Manufacturer’s standard color chart for finish selection.
B. Coordination Drawings: Reflected ceiling plans, drawn to scale, on which the following items are shown and coordinated with each other, using input from Installers of the items involved:
   1. Ceiling suspension assembly members.
   2. Method of attaching hangers to building structure.
   3. Size and location of initial access modules for acoustical tile.
   4. Ceiling-mounted items including lighting fixtures, diffusers, grilles, speakers, sprinklers, access panels, and special moldings.
   5. Duct access panels.
C. Source quality control reports.

PART 2 PRODUCTS

2.01 REGISTERS AND GRILLES

A. Fixed Face Registers and Grilles:
   1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
      a. Anemostat Products; a Mestek company.
      b. Carnes.
      c. Hart & Cooley Inc.
      d. Krueger.
      e. Nailor Industries Inc.
      f. Price Industries.
      g. Titus.
      h. Tuttle & Bailey.

2. Material: Steel with 1-1/4" wide border on all sides and a minimum border gauge of 20. Corners shall be assembled with full penetration resistance welds. Blades shall have a minimum gauge of 20 with a fixed deflection of 45 degrees.
3. Finish: Baked enamel, color as selected by architect.
4. Face Arrangement: Aeroblade blades with ¾" blade spacing. Blades shall be parallel to the long dimension.
5. Damper Type (Registers Only): Adjustable opposed blade.

2.02 CEILING DIFFUSERS

A. Rectangular and Square Ceiling Diffusers:
1. Devices shall be specifically designed for variable-air-volume flows.
2. Material: Steel.
3. Finish: Baked enamel, white.
4. Face Size: 24 by 24 inches.
5. Mounting: T-bar.
6. Pattern: Adjustable.
7. Dampers: Butterfly.
8. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
   a. Anemostat Products; a Mestek company.
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   c. Hart & Cooley Inc.
   d. Krueger.
   e. Nailor Industries Inc.
   f. Price Industries.
   g. Titus.
   h. Tuttle & Bailey.

B. Louver Face Diffuser:
1. Devices shall be specifically designed for variable-air-volume flows.
2. Material: Steel.
3. Finish: Baked enamel, white.
4. Mounting: Surface.
5. Pattern: One-way, Two-way, Two-way corner, Three-way, Four-way core style.
6. Dampers: Opposed blade.
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   h. Tuttle & Bailey.

2.03 SOURCE QUALITY CONTROL

A. Verification of Performance: Rate diffusers, registers, and grilles according to ASHRAE 70, "Method of Testing for Rating the Performance of Air Outlets and Inlets."

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine areas where diffusers, registers, and grilles are to be installed for compliance with requirements for installation tolerances and other conditions affecting performance of equipment.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

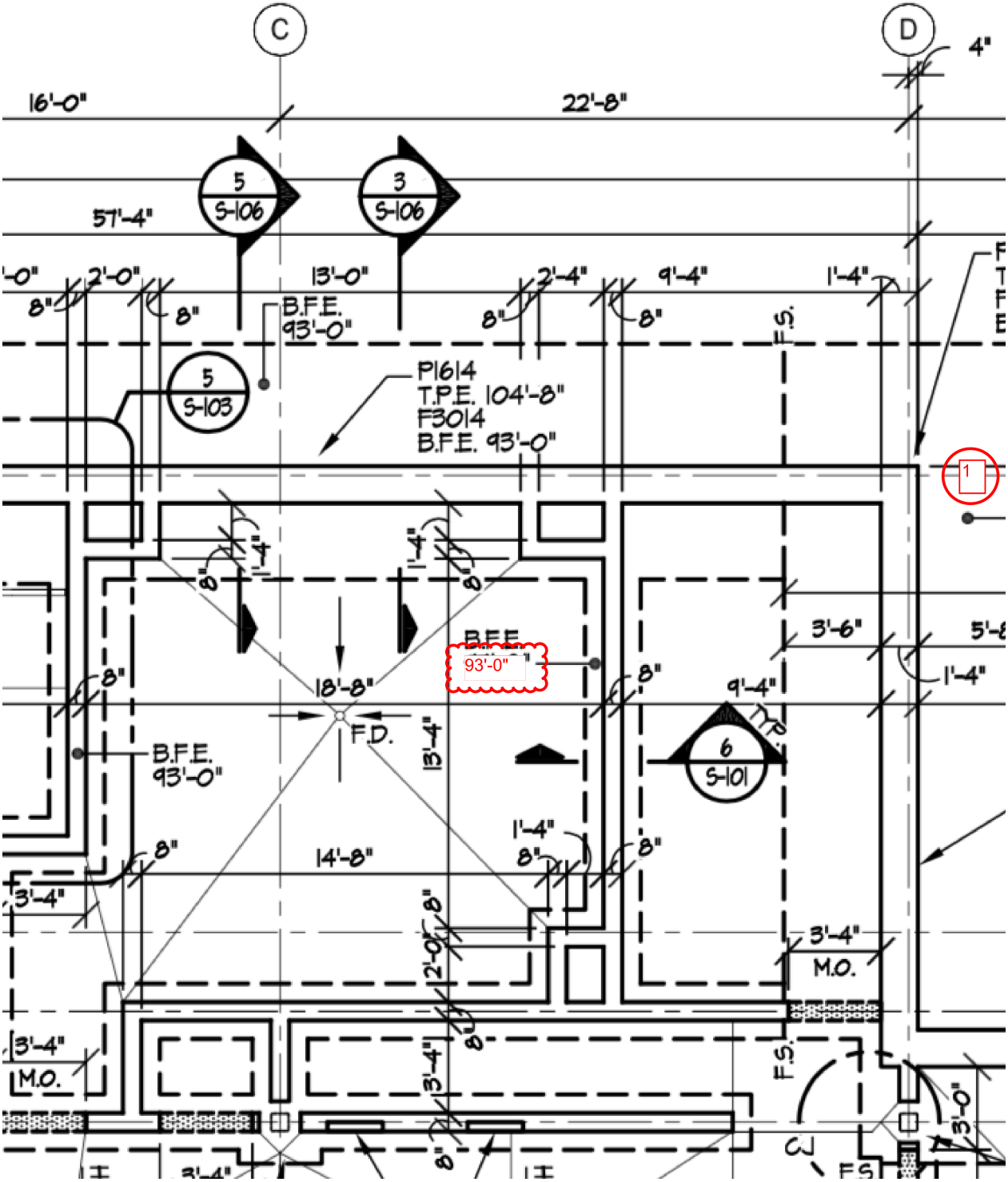
A. Install registers, and grilles level and plumb.

B. Install diffusers, registers, and grilles with airtight connections to ducts and to allow service and maintenance of dampers, air extractors, and fire dampers.

3.03 ADJUSTING

A. After installation, adjust registers, and grilles to air patterns indicated, or as directed, before starting air balancing.

END OF SECTION



PARTIAL PLAN FOUNDATION

MA

MITCHELL ASSOCIATES ARCHITECTS PLLC
29 THACHER PARK ROAD
VOORHEESVILLE, NY 12186
(518) 765-4511 FAX (518) 765-2950
WWW.MITCHELL-ARCHITECTS.COM

EMERGENCY SERVICE FACILITIES

ADDITION AND RENOVATIONS TO
BEACON
FIRE STATION
1140 WOLCOTT AVENUE
BEACON, NEW YORK 12508

CONSULTANTS:

INSITE ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 GARRETT PLACE
CARMEL, NY 10512
(845) 223-9690 FAX: (845) 223-9711

CRAIG A. MALONEY, P.E.
STRUCTURAL ENGINEERING CONSULTANT
3 BENEDICT COURT
BALLSTON SPA, NY 12020
(518) 584-9944 FAX: (518) 584-9955

GERARD ASSOCIATES
CONSULTING ENGINEERS, P.C.
MECHANICAL, PLUMBING, & ELECTRICAL
223 MAIN STREET
GOSHEN, NY, 10924
(845) 291-1272 FAX: (845) 291-939

CLARIFICATION
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SCALE: NOT AT SCALE
DWG. BY: JDC
DWG DATE: 4/3/2023
STATUS:

S001

the Palombo Group

MA Mitchell Associates Architects PLLC

Addition & Renovation for Beacon Fire Station

03/29/2023 Pre-Bid Walk Thru Meeting Sign In-Sheet

Name	Company	Phone	Email	Contract Bidding On
Kyle Cuomo	Mid Hudson CM	(845) 298-9230	Estimating@MidHudsonCM.com	GC/SC
DJ Sadowski	"	"	"	"
Eric Schmarch	CB Strain	(845) 454-0600	ecse@cbstrain.com	Mech/Plbg
JACOB JORDAN	BUTLER	845-769-7413	ESTIMATING@	GC/SITE
Ryan Stratton	Butler	319-731-7680	BUTLERCONSTRUCTIONGROUP.COM	
ADAM THYBERG	INSITE	845 225 9640	ATM4ENG@INSITE-ENG.COM	LA/ENG
JOHN ROSSO	LANC & TULLY, P.C.	845-294-3700	JDR@LANCTULLY.COM	NONE
MARK MESSINA	BEN CICCONE	845.462.2800	ESTIMATING@BENCICCONE.COM	SITE
~~ERIC~~ SIA	MAA			
Jeff Dodge	Black Elec	845 867 3117	Dodge@Blackelectricnet	ZG
Chris White	City of Beacon			
Ben Swanson	City of Beacon		Estimating	
Alex Meyer	Meyer Contracting	8452645176	~~Alex~~@meyercontracting.com	GC
TOM CHESSER	THE PALOMBO GROUP			
Jose Otero	The Palombo Group			

the Palombo Group

Mitchell Associates Architects PLLC

Addition & Renovation for Beacon Fire Station

03/29/2023 Pre-Bid Walk Thru Meeting Sign In-Sheet

Name	Company	Phone	Email	Contract Bidding On
MikeRuth	JP Patti Roofing	732 4477246	MRuth@teetaamerica.com	Roofing
Jim Piazza	Nuzzia Construction	914-489-2358	jim@nuzziaconstruction.com	GC + Site
Frank Grange	Darlind Assoc	845 223-5115	f.grange@casi-ny.com	GC
Dave Phelan	SRI Fire Sprinkler	914-659-6206	DCP@SRIFIRESPRINKLER.com	FS
Mike Bottali	Key Construction	845-454-1192-105	dtratton@contactkcs.com	GC
John A. Mallon	Mengler	Mengler Inc	845-279-7029	Estimating@menglerinc.com
Petar Britanza	Empire Ore Group	914-6565-676	pbitanza@empireore.com	
Martin Kendl	Ocs Industries Inc		mkendl@ocsIndustries.com	GC
	Ocs	914-538-0654	Estimating@ocs Industries.com	Steel