Pembroke Community Center Pembroke, MA bh+a Project No. 3403.00

## Date of Addendum No 4: August 8, 2022

Previous Issue:

Addendum No 3 – August 5, 2022 Addendum No 2 – August 3, 2022 Addendum No 1 – July 29,2022 Construction Documents – July 22, 2022

## **Owner**

Town of Pembroke, MA 128 Center Street Pembroke, MA Boston, MA 02359

#### **Owners Representative**

Compass Project Management One Edgewater Drive, Suite 204 Norwood, MA 02062

#### **Architect**

Bargmann Hendrie + Archetype 9 Channel Center Street, Suite 300 Boston, MA 02210

This Addendum forms part of the Contract Documents and modifies the original Bidding Documents dated July 22, 2022, Addendum No 1 dated July 29, 2022, Addendum No 2 dated August 3, 2022, and Addendum No 3 dated August 5, 2022.

Acknowledge receipt of this Addendum in the space provided in the appropriate space on the Form for General Bid and Form for Sub-Bid. Failure to do so will be subject to Bidder disgualification.

#### Attachments:

**Specifications:** Not applicable this Addendum.

**Drawings:** 5 drawing revised as noted in this Addendum. Included and issued in full are 5 revised

drawings.

**RFIs**: Responses to Bidder questions at indicated below.

#### **SPECIFICATIONS (PROJECT MANUAL)**

#### 1. TABLE OF CONTENTS

A. Add line 00904 to reflect Addendum No. 4

#### 2. 00100 INSTRUCTION TO BIDDERS

A. In section 2 – change "Total construction duration is fourteen (14) months." to be "Total construction duration is anticipated to take fourteen (14) months with a Notice to Proceed on or before October 31, 2022.

B.

#### **DRAWINGS**

#### **GENERAL**

- 1. G0001 DRAWING LIST
  - A. No Changes in Addendum #4

#### **ARCHITECTURAL**

- 2. A101 FIRST FLOOR PLAN
  - A. Notes added to clarify Stair 2 as delegated design, issued as part of Addendum #3
- 3. A102 SECOND FLOOR PLAN
  - A. Notes added to clarify Stair 2 as delegated design, issued as part of Addendum #3
- 4. A103 ROOF PLAN
  - A. Notes added to clarify Stair 2 as delegated design, issued as part of Addendum #3
  - B. Clarification of equipment screens to show HSS post framing.
- 5. <u>A400 ENLARGED PLAN DETAILS</u>
  - A. Graphical clarifications to wall assembly, expansion joint details, and notation to provide woven corners at ground face masonry units miter block corners not accepted.
- 6. A410 TYPICAL ROOF DETAILS
  - A. Revised drawing 3/A410 at equipment screen detail

# **REQUESTS FOR INFORMATION**

The following is a summary of requests for information, questions and inquiries by Plan Holders. A clarification with no change to the Documents are answered below. Responses that require a change to the Contract documents have been included in the Addendum Changes.

- Questions Regarding Air and Vapor Barriers and Waterproofing RFI 17
  - A. Details CS7, CS8 and CS16 call for TOOLED JOINT TO MATCH CONTROL JOINT FILL WITH FLEXIBLE EPOXY JOINT SEALANT BY 079200. Flexible epoxy joint sealants are not specified in section 079200 but are specified in section 033000-2.1\_J\_2. Please

confirm that the flexible epoxy joint sealants are furnished and installed by 033000.

Responses: Flexible epoxy joint sealants are by section 079200, revised specification section and revised drawings CS7, CS8, CS16 to be issued in a forthcoming addendum.

- 2. Questions Regarding Schedule RFIs 12, 13, 14, 15
  - A. Addendum #1 indicates funding isn't approved and town meeting to approve funding is not until the Fall of 2022. Please provide an anticipated NTP so the GC's can determine an approximate schedule.
    - Response: Hold for Town of Pembroke / COMPASS discussion at 8/11 meeting.
  - B. We would also like to request a 2-week extension on the GC bid to allow us more time to secure pricing.
    - Response: Refer to revisions to section 00020 Invitation to Bid included in this addendum issued in addendum 3
  - C. The duration of 14 months isn't adequate time to abatement and demolish the existing facility and construct a new 28,000 SF facility. We request a duration of 18 months.
    - Response: Hold for Town of Pembroke / COMPASS discussion at 8/11 meeting.
- 3. Questions Regarding Roofing RFIs 25A 25F
  - A. REFER TO RFI LOG NOTE SUB-BID QUESTION DEADLINE WAS 8/3/22 BASED ON BID DUE DATE OF 8/10/22.

Response: Deadline for Filed Sub-Bid questions was 08/3/22 at 1:00pm, questions to be reviewed and responded to in a future addendum.

END OF ADDENDUM NO. 4

#### PROJECT MANUAL

# TABLE OF CONTENTS

## <u>DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS</u>

## PROCUREMENT REQUIREMENTS

		Author	First Issue	Revised Date
00110	Table of Contents	BH+A	7/22/22	7/29/22, 8/3/22
00020	Invitation to Bid	ToP	7/22/22	8/5/22
00100	Instructions to Bidders	ToP	7/22/22	8/5/22
00101	Supplemental instructions to Bidders for Submitting an Electronic Bid (E-Bid)`	ToP	7/22/22	
	Additional Instructions for Electronic Bid	ToP	7/22/22	
00125	List of Prequalified Bidders	ToP	7/22/22	
002113.05	Goals for Participation By MBE/WBE	ToP	8/5/22	
	A. Letter of Intent – MWBE Participation	ToP	8/5/22	
	B. Schedule for Participation - MWBE	ToP	8/5/22	
	C. Public Project MWBE Report	ToP	8/5/22	
002113.10	Pre-Bid Waiver of MBE/WBE	ToP	8/5/22	
00400	DCAMM Prime/General Update Statement	ToP	7/22/22	
	Cover page and DCAMM Form	ToP	7/22/22	
00401	DCAMM Sub-Bidder Update Statement	ToP	7/22/22	
	Cover page and DCAMM Form	ToP	7/22/22	
00402	Certifications Required by Law for Public Construction Contracts	ToP	7/22/22	
00415	Form of General Bid	ToP	7/22/22	
00416	Form of Sub Bid	ToP	7/22/22	
00417	Unit Price Proposal Sheet	ToP	7/22/22	7/29/22

## **CONTRACTING REQUIREMENTS**

		Author	First Issue	Revised Date
00500	Form of Agreement Between Owner and Contractor	ToP	7/22/22	
	AIA A101 - 2017	ToP	7/22/22	
00501	Certificate of Vote	ToP	7/22/22	
00610	Construction Performance Bond	ToP	7/22/22	
00620	Construction Payment Bond	ToP	7/22/22	
00700	General Conditions	ToP	7/22/22	
	AIA 201-2017		7/22/22	
00750	Supplemental General Conditions for Construction AIA201-2017	ToP	7/22/22	
00800	Insurance	ToP	7/22/22	

<sup>\*</sup> Filed Sub-Bid Required

00825	Prevailing Wage	ToP	7/22/22	
	Attachment A – Wage Rate Request	ToP	7/22/22	
	Attachment B – Commonwealth of Massachusetts Prevailing Wage Notices	ToP	7/22/22	
	Attachment C – Payroll Compliance	ToP	7/22/22	
	Attachment D – Payroll Reporting Form	ToP	7/22/22	
00850	Incorporation of Applicable Provisions of MA General Laws	ToP	7/22/22	
00901	Addendum No. 1	BH+A/KA	729/22	
00902	Addendum No. 2	BH+A/KA	8/3/22	
00903	Addendum No. 3	BH+A/KA	8/5/22	
00904	Addendum No. 4	BH+A/KA	8/8/22	

## **SPECIFICATIONS**

# **DIVISION 01 - GENERAL REQUIREMENTS**

		Author	First Issue	Revised Date
011100	Summary of Work	BH+A/KA	7/22/22	
011400	Work Restrictions	BH+A/KA	7/22/22	
011400.1	Decision of the Planning Board	ToP	7/29/22	
011401	Electronic Release Form	BH+A/KA	7/22/22	
012200	Unit Prices	BH+A/KA	7/22/22	
012300	Alternates	BH+A/KA	7/22/22	
012400	Schedule of Values	BH+A/KA	7/22/22	
013100	Project Management and Coordination	BH+A/KA	7/22/22	
013119	Project Meetings	BH+A/KA	7/22/22	
013200	Construction Progress Documentation	BH+A/KA	7/22/22	
013300	Submittal Procedures	BH+A/KA	7/22/22	
013301	Substitution Request Form	BH+A/KA	7/22/22	
013543	Environmental Procedures	UEC	7/22/22	
014000	Quality Requirements	BH+A/KA	7/22/22	
014330	Mock-Ups	BH+A/KA	7/22/22	
015000	Temporary Facilities and Controls	BH+A/KA	7/22/22	
017329	Cutting and Patching	BH+A/KA	7/22/22	
017400	Construction Waste Management	BH+A/KA	7/22/22	
017700	Closeout Procedures	BH+A/KA	7/22/22	
017839	Project Record Documents	BH+A/KA	7/22/22	
018100	General Commissioning Requirements	ToP	7/22/22	
0181119	Indoor Air Quality Requirements	BH+A/KA	7/22/22	

# **DIVISION 02 - EXISTING CONDITIONS**

		Author	First Issue	Revised Date
022820	Asbestos Remediation	UEC	7/22/22	
023000	Subsurface Investigation	BH+A/KA	7/22/22	
024100	Demolition	BH+A/KA	7/22/22	

029000	Div 02 – Available Project Information	BH+A/KA	7/22/22	
029001	Existing Building Plans	ToP	7/22/22	
029002	Existing Building Photographs	BH+A/KA	7/22/22	
029003	Geotechnical Engineering Report	MGA	7/22/22	
029004	Flow Test	MELS	7/22/22	

## **DIVISION 03 – CONCRETE**

		Author	First Issue	Revised Date
033000	Cast-In-Place Concrete	FBRA	7/22/22	
035412	Gypsum Cement Underlayment	BH+A/KA	8/3/22	

## **DIVISION 04 - MASONRY**

		Author	First Issue	Revised Date
040001 *	Masonry Work	BH+A/KA	7/22/22	
042000	Unit Masonry (part of 040001 FSB)	BH+A/KA	7/22/22	

# **DIVISION 05 - METALS**

		Author	First Issue	Revised Date
050001 *	Miscellaneous and Ornamental Iron	BH+A/KA	7/22/22	
051200	Structural Steel Framing	FBRA	7/22/22	
051226	Shear Connections	FBRA	7/22/22	
053100	Steel Decking	FBRA	7/22/22	
054000	Cold-Formed Metal Framing	BH+A/KA	7/22/22	
055000	Metal Fabrications (part of 050001 FSB)	BH+A/KA	7/22/22	
055100	Metal Stairs and Railings (part of 050001 FSB)	BH+A/KA	7/22/22	

# **DIVISION 06 - WOOD, PLASTICS AND COMPOSITES**

		Author	First Issue	Revised Date
061000	Rough Carpentry	FBRA/BH+A	7/22/22	
061600	Sheathing	BH+A/KA	7/22/22	
061753	Shop Fabricated Wood Trusses	FBRA	7/22/22	
062010	Exterior Finish Carpentry	BH+A/KA	7/22/22	
064020	Interior Architectural Woodwork	BH+A/KA	7/22/22	
066400	FRP Paneling	BH+A/KA	7/22/22	

## **DIVISION 07 - THERMAL AND MOISTURE PROTECTION**

		Author	First Issue	Revised Date
070001 *	Waterproofing, Dampproofing and Caulking	BH+A/KA	7/22/22	
070002 *	Roofing and Flashing	BH+A/KA	7/22/22	
071100	Bituminous Dampproofing (part of 070001	BH+A/KA	7/22/22	

	FSB)		
071300	Sheet Waterproofing (part of 070001 FSB)	BH+A/KA	7/22/22
071400	Fluid-Applied Waterproofing (part of 070001 FSB)	BH+A/KA	7/22/22
071610	Crystalline Waterproofing (part of 070001 FSB)	BH+A/KA	7/22/22
072100	Thermal Insulation	BH+A/KA	7/22/22
072600	Vapor Retarder	BH+A/KA	7/22/22
072700	Air Barriers (part of 070001 FSB)	BH+A/KA	7/22/22
073113	Asphalt Shingles (part of 070002 FSB)	BH+A/KA	7/22/22
074610	Fiber-Cement Siding	BH+A/KA	7/22/22
075400	Thermoplastic Membrane Roofing (part of 070002 FSB)	BH+A/KA	7/22/22
076200	Sheet Metal Flashing and Trim (part of 070002 FSB)	BH+A/KA	7/22/22
077100	Roof Specialties (part of 07002 FSB)	BH+A/KA	7/22/22
077200	Roof Accessories	BH+A/KA	7/22/22
078410	Penetration Firestopping	BH+A/KA	7/22/22
078440	Fire-Resistive Joint Systems	BH+A/KA	7/22/22
079200	Joint Sealants (part of 070001 FSB)	BH+A/KA	7/22/22
079500	Expansion Control	BH+A/KA	7/22/22

# **DIVISION 08 - OPENINGS**

		Author	First Issue	Revised Date
080002 *	Glass and Glazing	BH+A/KA	7/22/22	
081110	Hollow Metal Doors and Frames	BH+A/KA	7/22/22	
081400	Flush Wood Doors	BH+A/KA	7/22/22	
083110	Access Doors and Frames	BH+A/KA	7/22/22	
083310	Overhead Coiling Doors	BH+A/KA	7/22/22	
083320	Overhead Coiling Grilles	BH+A/KA	7/22/22	
083419	Fiberglass Doors and Frames	BH+A/KA	7/22/22	
085413	Fiberglass Windows	BH+A/KA	7/22/22	
087100	Door Hardware	ASC	7/22/22	
088000	Glazing (part of 080002 FSB)	BH+A/KA	7/22/22	
089000	Louvers and Vents	BH+A/KA	7/22/22	

# **DIVISION 09 - FINISHES**

		Author	First Issue	Revised Date
090002 *	Tile	BH+A/KA	7/22/22	
090003 *	Acoustical Tile	BH+A/KA	7/22/22	
090005 *	Resilient Floors	BH+A/KA	7/22/22	
090007 *	Painting	BH+A/KA	7/22/22	
092110	Gypsum Board Assemblies	BH+A/KA	7/22/22	
092120	Gypsum Board Shaft-Wall Assemblies	BH+A/KA	7/22/22	
093000	Tiling (part of 090002 FSB)	BH+A/KA	7/22/22	

095100	Acoustical Ceilings (part of 090003 FSB)	BH+A/KA	7/22/22	
096460	Wood Athletic Flooring	BH+A/KA	7/22/22	
096510	Resilient Flooring and Accessories (part of 090005 FSB)	BH+A/KA	7/22/22	
096560	Resilient Athletic Flooring (part of 090005 FSB)	BH+A/KA	7/22/22	
096710	Resinous Flooring	BH+A/KA	<del>7/22/22</del>	
096800	Carpeting	BH+A/KA	7/22/22	
099000	Painting and Coating (part of 090007 FSB)	BH+A/KA	7/22/22	

## **DIVISION 10 - SPECIALTIES**

		Author	First Issue	Revised Date
101400	Signage	BH+A/KA	7/22/22	
102110	Toilet Compartments	BH+A/KA	7/22/22	
102220	Folding Panel Partitions	BH+A/KA	7/22/22	
102800	Toilet Accessories	BH+A/KA	7/22/22	
104100	Emergency Access and Information Cabinets	BH+A/KA	7/22/22	
104400	Fire Protection Specialties	BH+A/KA	7/22/22	
105600	Storage Shelving and Support Brackets	BH+A/KA	8/3/22	

## **DIVISION 11 - EQUIPMENT**

		Author	First Issue	Revised Date
114000	Foodservice Equipment	CMI	7/22/22	
116620	Athletic Equipment	BH+A/KA	7/22/22	

## **DIVISION 12 - FURNISHINGS**

		Author	First Issue	Revised Date
122400	Shades	BH+A/KA	7/22/22	
124815	Entrance Floor Mats	BH+A/KA	7/22/22	

# **DIVISION 14 - CONVEYING EQUIPMENT**

		Author	First Issue	Revised Date
140001 *	Elevators	BH+A/KA	7/22/22	
142100	Machine Roomless Passenger Traction Elevator (part of 140001 FSB)	BSq	7/22/22	
144000	Elevator Maintenance and Repair	BSq	7/22/22	

## **DIVISION 21 - FIRE SUPPRESSION**

		Author	First Issue	Revised Date
210000 *	Fire Protection	ACE	7/22/22	

## **DIVISION 22 - PLUMBING**

		Author	First Issue	Revised Date
220000 *	Plumbing	ACE	7/22/22	

## <u>DIVISION 23 - HEATING VENTILATING AND AIR CONDITIONING</u>

		Author	First Issue	Revised Date
230000 *	Heating, Ventilating and Air-Conditioning	ACE	7/22/22	

# **DIVISION 26 - ELECTRICAL**

		Author	First Issue	Revised Date
260000 *	Electrical	ACE	7/22/22	7/29/22
260100 *	Generator (part of 26000 FSB)	ACE	7/22/22	7/29/22

## **DIVISION 27 – COMMUNICATIONS**

		Author	First Issue	Revised Date
270000 *	Communications General (part of 26000 FSB)	BTC	7/22/22	7/29/22
270526 *	Grounding and Bonding (part of 26000 FSB)	BTC	7/22/22	7/29/22
270528 *	Pathways for Communications Systems (part of 26000 FSB)	BTC	7/22/22	7/29/22
270553 *	Identification for Telecommunications Systems (part of 26000 FSB)	втс	7/22/22	7/29/22
270813 *	Testing Copper Cables (part of 26000 FSB)	BTC	7/22/22	7/29/22
271000 *	Structured Cabling (part of 26000 FSB)	BTC	7/22/22	7/29/22
271100 *	Communications Equipment Room and Fittings (part of 26000 FSB)	BTC	7/22/22	7/29/22
271500 *	Communications Horizontal Cabling (part of 26000 FSB)	BTC	7/22/22	7/29/22
271600 *	Communications Connecting Cords Devices and Adapters (part of 26000 FSB)	BTC	7/22/22	7/29/22

## **DIVISION 28 – FIRE ALARM**

		Author	First Issue	Revised Date
280000 *	Security (part of 26000 FSB)	BTC	7/22/22	7/29/22
	Schedule A, Camera Schedule	BTC	7/22/22	
283100 *	Fire Detection and Alarm System (part of 26000 FSB)	ACE	7/22/22	7/29/22

# **DIVISION 31 - EARTHWORK**

		Author	First Issue	Revised Date
311000	Site Clearing	MELS	7/22/22	
312300	Earthwork	MELS	7/22/22	
312319	Dewatering	MELS	7/22/22	
312500	Erosion and Sedimentation Controls	MELS	7/22/22	
315000	Excavation Support and Protection	MELS	7/22/22	

# **DIVISION 32 - EXTERIOR IMPROVEMENTS**

		Author	First Issue	Revised Date
321216	Asphalt Paving	MELS	7/22/22	
321313	Cement Concrete Handicap Ramps	MELS	7/22/22	
323000	Site Improvements	KZLA	7/22/22	
323129	Wood Fences	KZLA	7/22/22	
328413	Irrigation (Alternate #1)	KZLA	7/22/22	
329000	Planting	KZLA	7/22/22	
329113	Planting Soil	KZLA	7/22/22	
329219	Turf and Grasses	KZLA	7/22/22	

# **DIVISION 33 - UTILITIES**

		Author	First Issue	Revised Date
331000	Water Systems	MELS	7/22/22	8/5/22
333000	Sanitary Sewerage Utilities	MELS	7/22/22	
333600	Septic Tank Systems	MELS	7/22/22	
334000	Storm Drainage Utilities	MELS	7/22/22	

Pembroke Community Center Pembroke, MA bh+a Project No. 3403.00 Construction Documents

July 22, 2022

Addendum No 4 – August \_\_\_, 2022

#### **AUTHOR REFERENCE:**

ToP Town of Pembroke, MA

bh+a Bargmann Hendrie + Architype

KA Kalin Associates

BSq B Squared Engineering

MELS Merrill Engineers and Land Surveyors
KZLA Kyle Zick Landscape Architecture
ACE Allied Consulting Engineering
FBRA Foley Buhl Roberts & Associates
MGA McArdle Gannon Associates

C3 Commercial Construction Consulting UEC Universal Environmental Consultants

CMA Crabtree McGrath Associates

PAV Pro AV Systems ASC ASC – Hardware

BTC Building Technology Consulting

**END OF TABLE OF CONTENTS** 





Bargmann Hendrie + Archetype, Inc. 9 Channel Center Street, Suite 300 Boston, MA 02210 (617) 350 0450

> PROJECT NAME **Pembroke Community Center**

**Town of Pembroke** 

128 Center Street Pembroke, MA, 02359

100 Center Street Pembroke, MA, 02359

PROJECT TEAM

Civil Engineer & Site Surveyor Merrill Engineers & Land Surveyors 427 Columbia Road Hanover, MA, 02339 (781) 826-9200

Landscape Architect Kyle Zick Landscape Architecture, Inc. 36 Bromfield Street, Suite 202 Boston, MA, 02108 (617) 451-1018

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(978) 352-8500

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**Technology and Security Building Technology Consulting** 992 Bedford Street Bridgewater, MA 02424 (508) 819-1550

2 Addendum #2 3 Addendum #3 08/05/2022 4 Addendum #4 08/08/2022

DRAWING TITLE

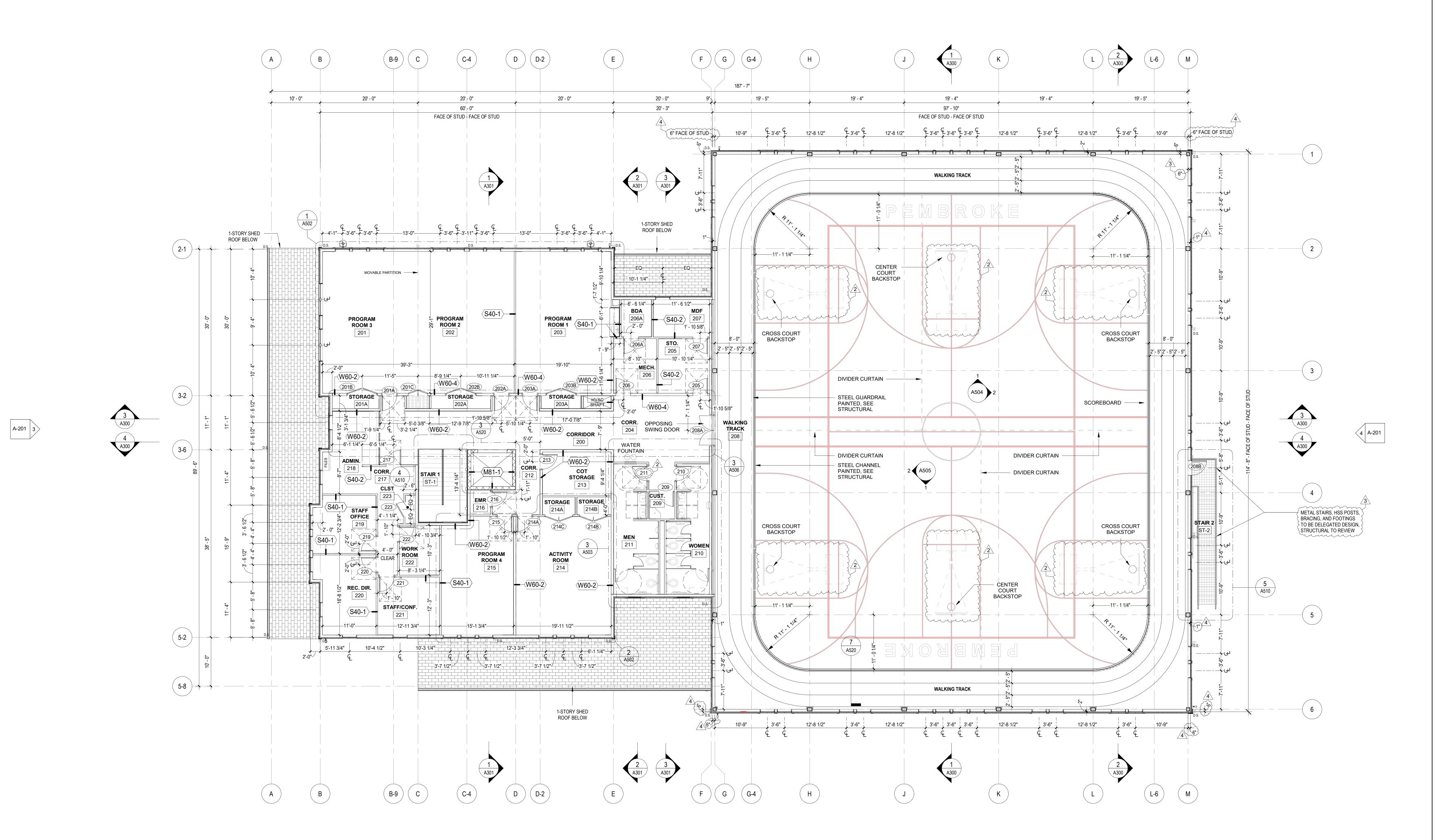
First Floor Plan

DRAWING INFORMATION

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A-200

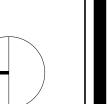
1. REFER TO SPECIFICATIONS 033000 CAST-IN-PLACE-CONCRETE AND 035412 GYPSUM-CEMENT-UNDERLAYMENT FOR SELF-LEVELING UNDERLAYMENT AS NECESSARY TO MEET REQUIRED FINISH FLOOR TOLERANCES.



SECOND FLOOR PLAN

1/8" = 1'-0"





Bargmann Hendrie + Archetype, Inc. 9 Channel Center Street, Suite 300 Boston, MA 02210

(617) 350 0450

PROJECT NAME **Pembroke Community Center** 128 Center Street Pembroke, MA, 02359

**Town of Pembroke** 100 Center Street Pembroke, MA, 02359

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161 West Main Street Georgetown, MA 01833 (978) 352-8500 **Technology and Security Building Technology Consulting** 

992 Bedford Street Bridgewater, MA 02424 (508) 819-1550

3 Addendum #3 08/05/2022

4 Addendum #4 08/08/2022

DRAWING TITLE

**Second Floor Plan** 

DRAWING INFORMATION

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rchitect has been a

Bargmann Hendrie + Archetype, Inc. 9 Channel Center Street, Suite 300 Boston, MA 02210 (617) 350 0450

PROJECT NAME
Pembroke
Community Center
128 Center Street
Pembroke, MA, 02359

CLIENT

Town of Pembroke
MA

100 Center Street

OJECT TEAM

Pembroke, MA, 02359

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Merrill Engineers & Land Surveyors
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161 West Main Street

**Elevator Consultant** 

B Squared Engineering

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Building Technology Consulting
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(508) 819-1550

 REVISIONS

 3 Addendum #3
 08/05/2022

 4 Addendum #4
 08/08/2022

DRAWING TITLE

Roof Plan

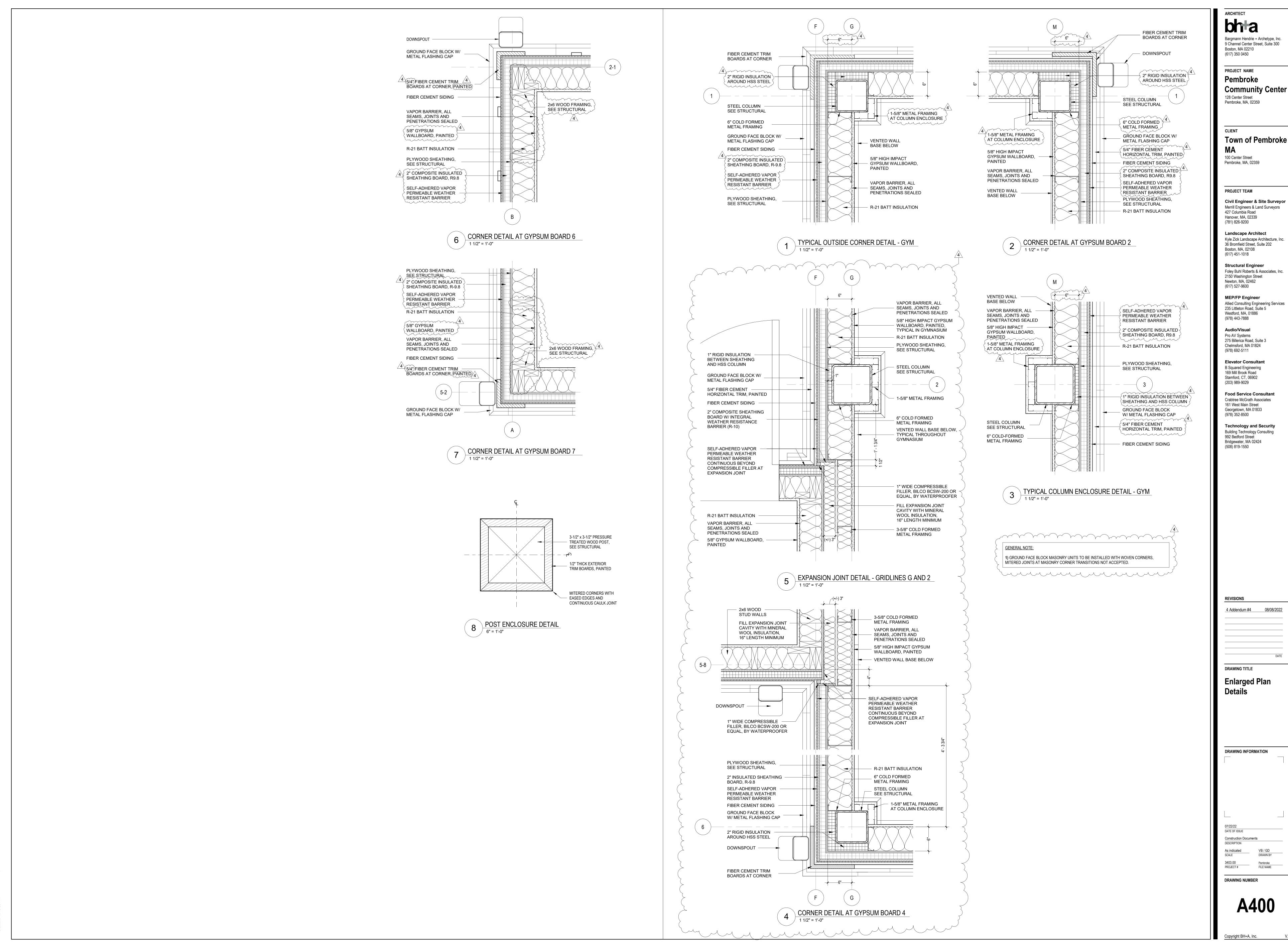
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Bargmann Hendrie + Archetype, Inc.

9 Channel Center Street, Suite 300 Boston, MA 02210

Pembroke **Community Center** 128 Center Street

Civil Engineer & Site Surveyor Merrill Engineers & Land Surveyors 427 Columbia Road Hanover, MA, 02339

Landscape Architect Kyle Zick Landscape Architecture, Inc. 36 Bromfield Street, Suite 202 Boston, MA, 02108

Structural Engineer Foley Buhl Roberts & Associates, Inc. 2150 Washington Street Newton, MA, 02462

MEP/FP Engineer Allied Consulting Engineering Services 235 Littleton Road, Suite 5

275 Billerica Road, Suite 3 Chelmsford, MA 01824

Stamford, CT, 06902 Food Service Consultant Crabtree McGrath Associates

161 West Main Street Georgetown, MA 01833 Technology and Security

Building Technology Consulting 992 Bedford Street Bridgewater, MA 02424 (508) 819-1550

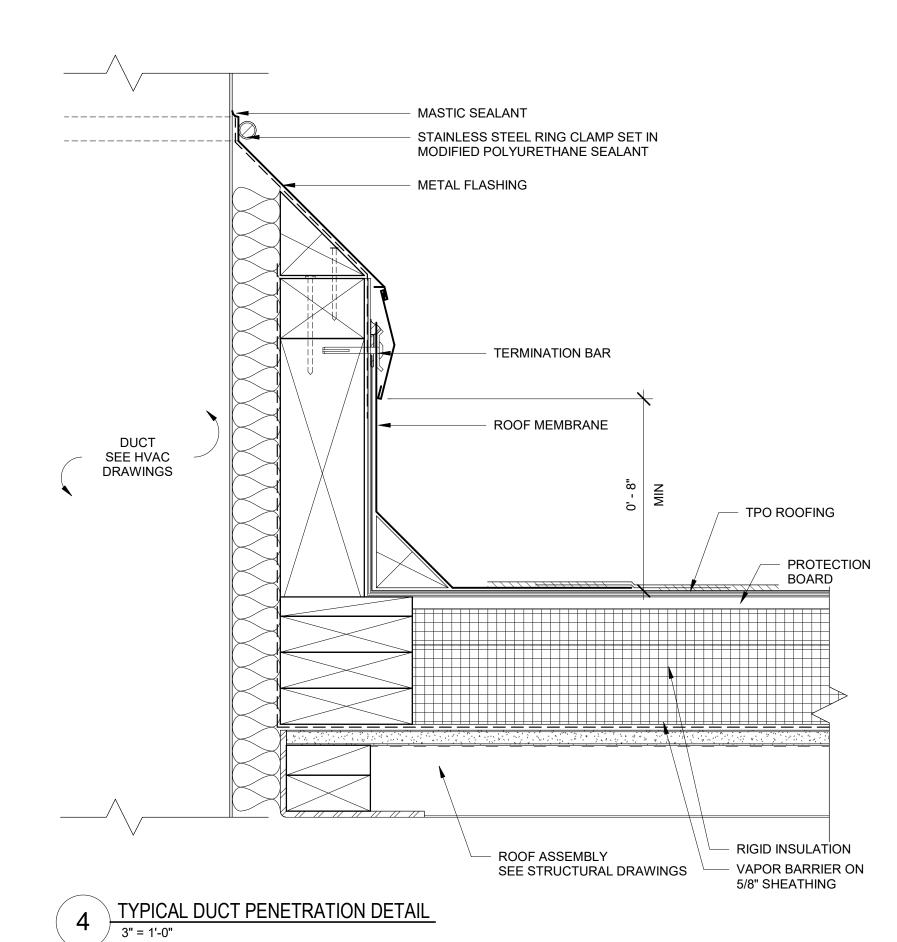
**Enlarged Plan** 

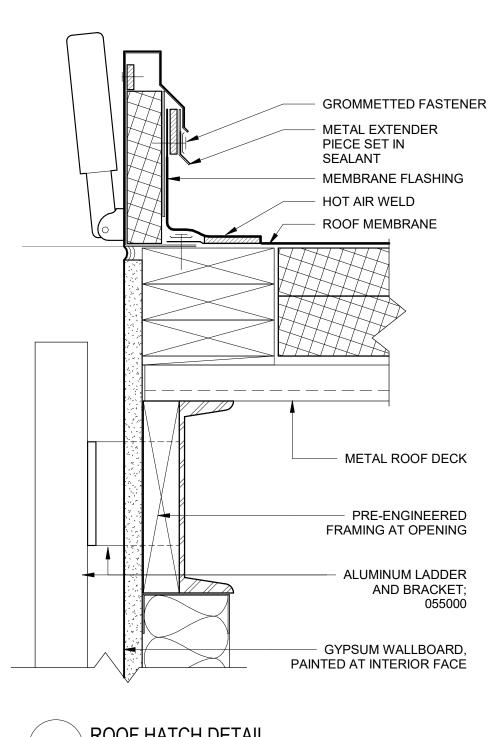
DRAWING INFORMATION

DRAWING NUMBER

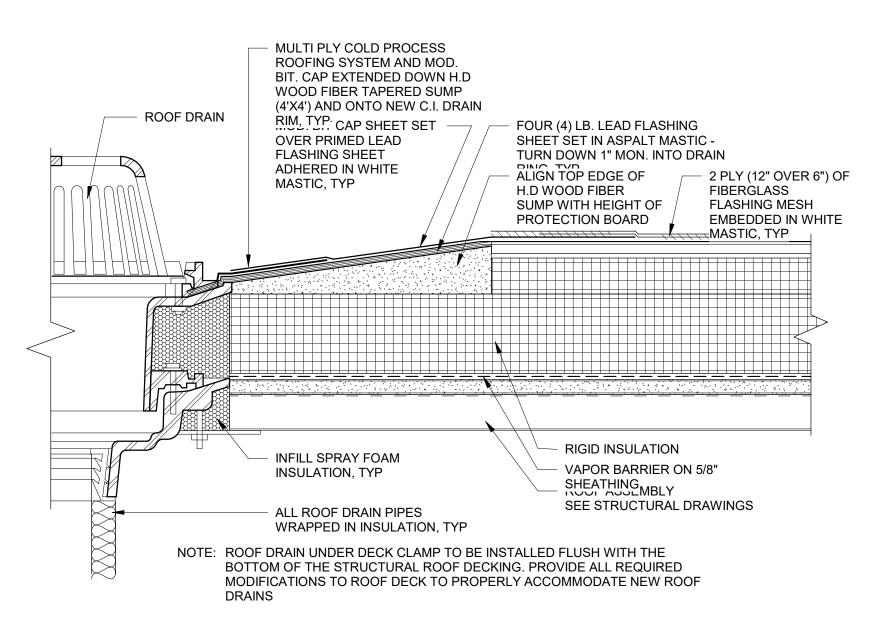
**A400** 

1 TYPICAL PIPE PENETRATION DETAIL
3" = 1'-0"



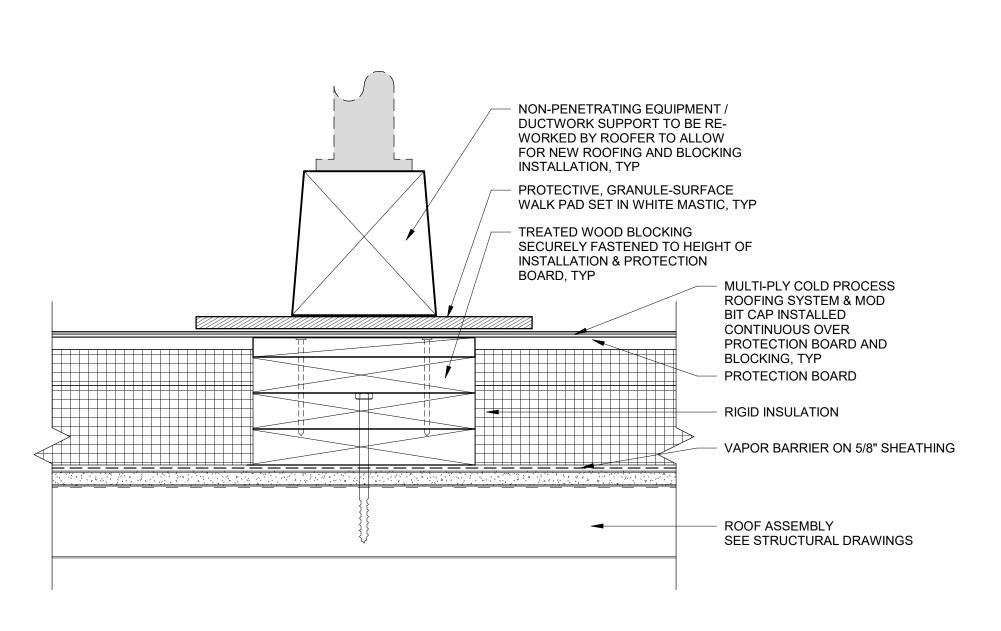


7 ROOF HATCH DETAIL
3" = 1'-0"

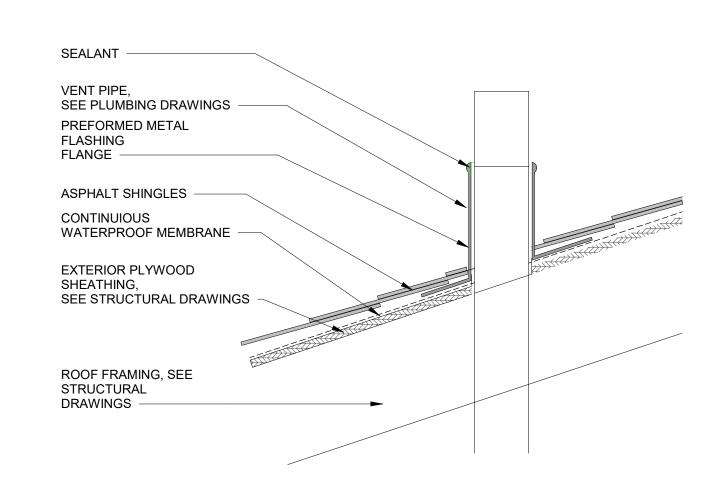


2 TYPICAL ROOF DRAIN DETAIL

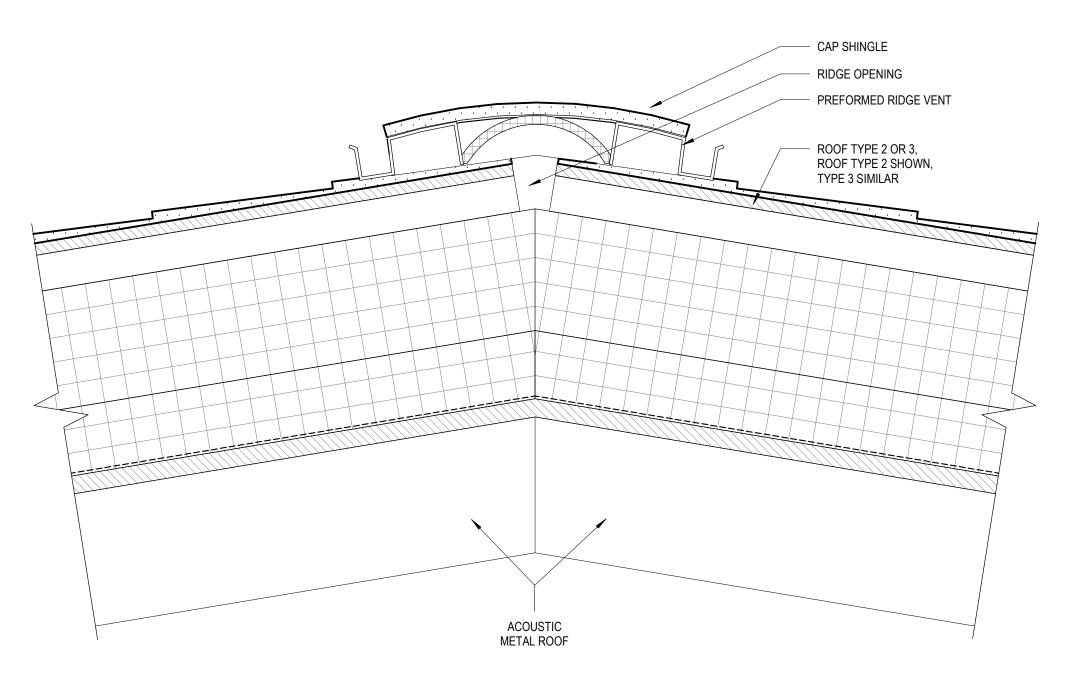
3" = 1'-0"

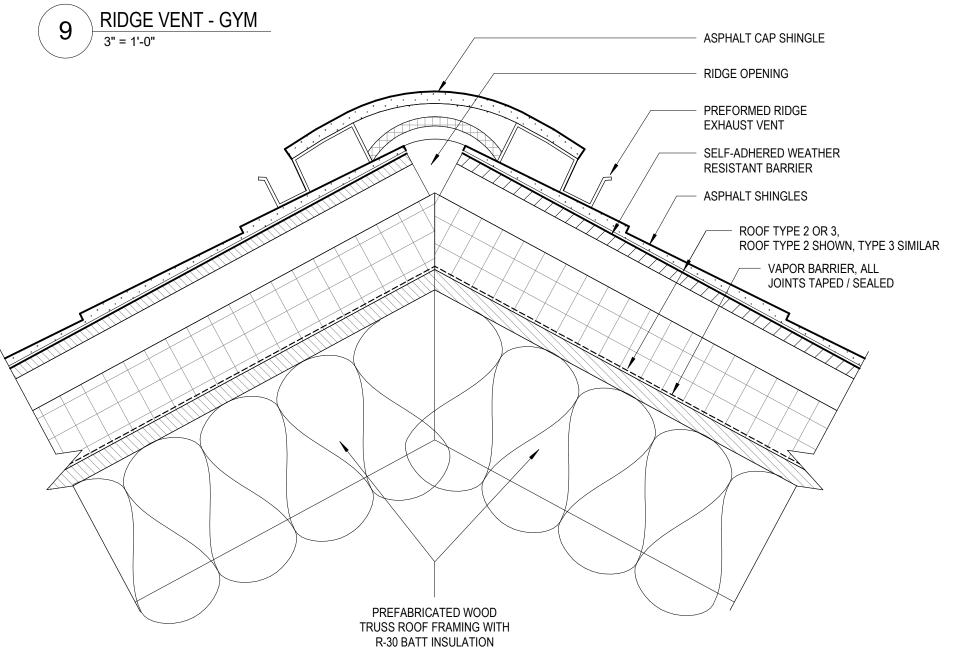


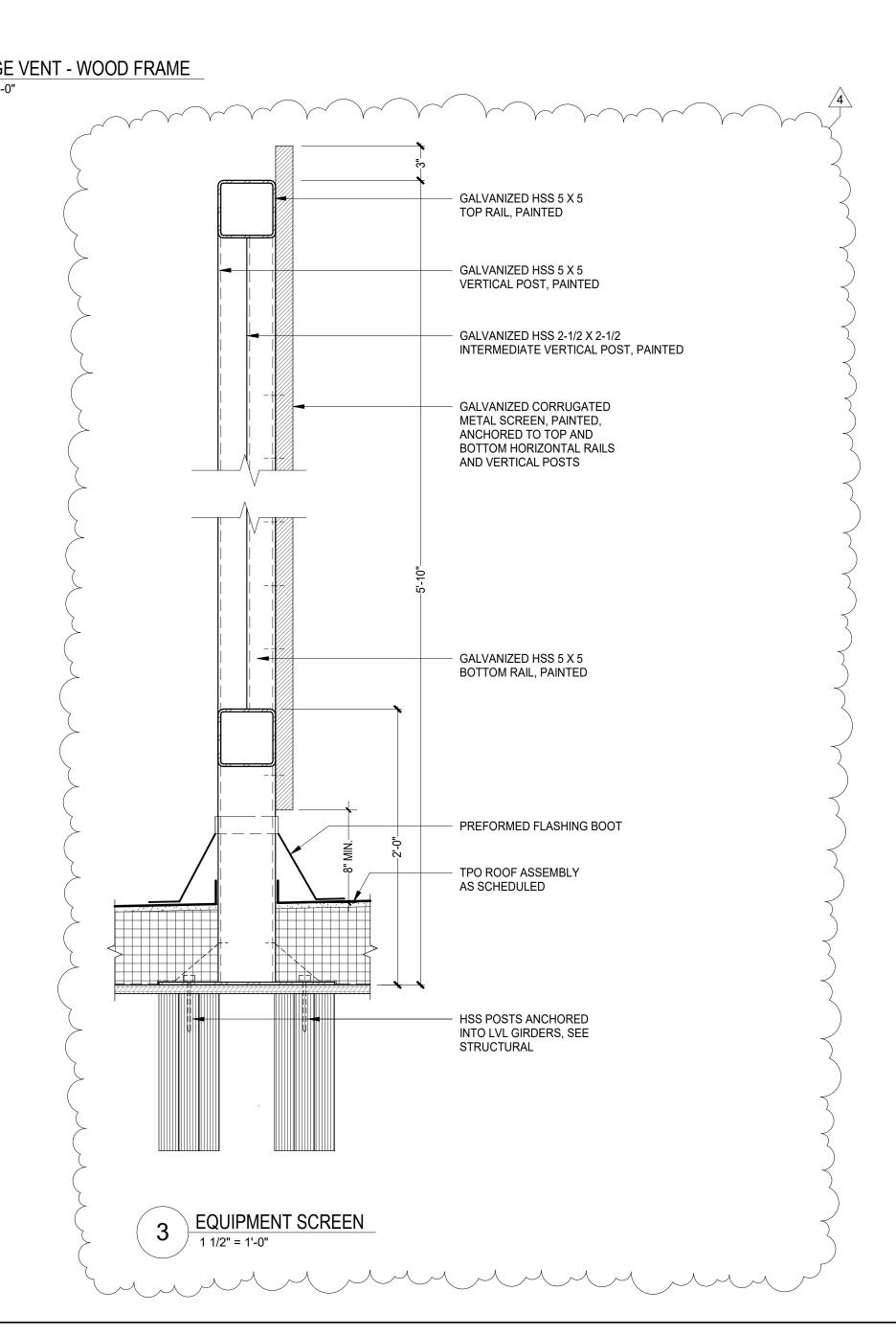
5 TYPICAL NON-PENETRATING EQUIPMENT SUPPORT DETAIL
3" = 1'-0"

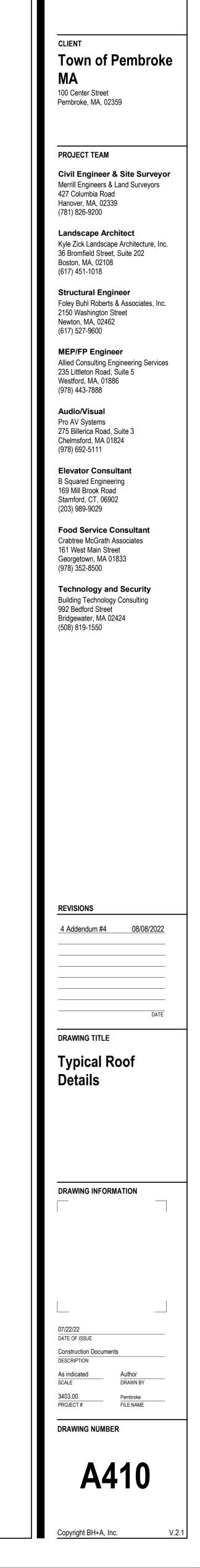


6 PIPE PENETRATION DETAIL AT SHINGLE ROOF
1 1/2" = 1'-0"









Bargmann Hendrie + Archetype, Inc.

**Community Center** 

9 Channel Center Street, Suite 300

Boston, MA 02210 (617) 350 0450

PROJECT NAME

**Pembroke** 

128 Center Street

Pembroke, MA, 02359

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