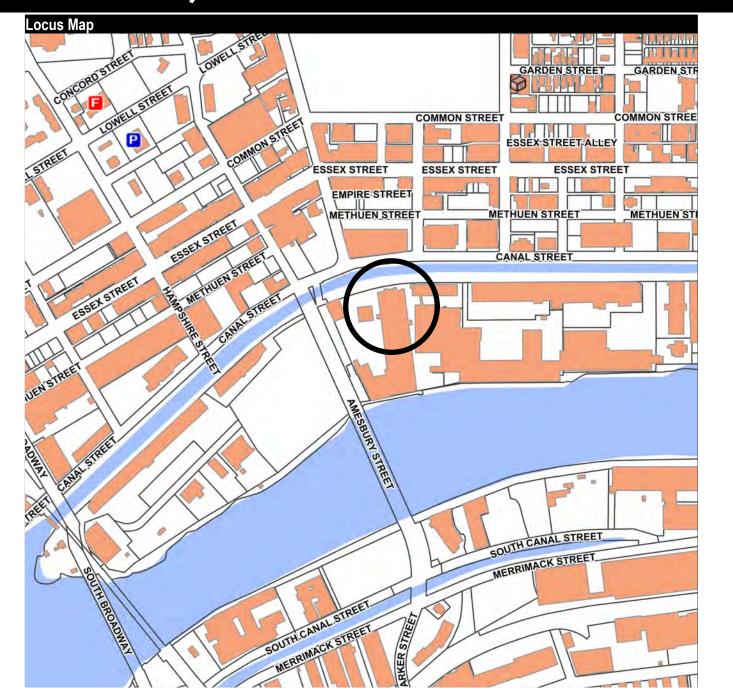
Alterations and Renovations Storage Facility Unit Hydro, 300 Canal Street Pacific Mills, Lawrence, MA

ARCHITECTURA	AL LEGEND	LIFE SAFET	TY LEGEND
		*	Fire Department Beacon
	Existing Wall	因	Audible Notification Device
		曩	Audio-Visual Notification Device
	Wall to be Demolished	×	Visual Notification Device
		©	Carbon Monoxide Detector
	New Wall	S	Smoke Detector
		-	Manual Alarm Station
	Existing Door	EMERG LT	Emergency Light
(E01):3		EXIT ₩	Exit Sign
	Door to be Removed	FACP	Fire Alarm Control Panel
		ELECTRICA	AL POWER LEGEND
	New Door	ф (X)	Wall Duplex (X = Circuit Number where shown)
(101)		₩ (X)	Wall Quadplex
	Existing Window	(X)	Floor Simplex
⟨E01⟩		(X)	Floor Duplex
	Window to be removed	⊕ (X)	Floor Quadplex
		Ф(X)	Ceiling Duplex
	New Window	⊕ (X)	Ceiling Quadplex
√101 DRAWING SYM Output DRAWING SYM DRAW DRAWING SYM DRAW DRAWING SYM DRAW DRAWING SYM DRAW DRAWING SYM DRAW DRAW DRAW DRAW DRAW DRAW DRAW	BOL LEGEND	(X)	220v Outlet
		\bigcup (X)	Junction Box
1	Elevation Marker	•	
A 201		COMMU	INICATIONS LEGEND
A 301	Section Marker		Telephone
∀ I)	Data
	Partial Section Marker	>	Data/Voice
		TV	TV/Cable
(1) A 401)	Detail Reference Marker	\bigcap	Security
		D-	Speaker
	Detail Box	\Diamond	Paging
		\bigcirc	Clock
		<u> </u>	Nurse
\bigwedge 1	Revision Marker	O —	Pushbutton
<u>/ · \</u>			Bell/Buzzer
Ę	Centerline Marker	ВТ—	Bell Transformer
		СН—	Chime
Title Elevation	Elevation Benchmark Marker	D	Electric Door Opener

<u>Owner</u>	<u>Builder</u>
Owner	Builder
Address	Address
Town, Massachusetts Zip	Town, Massachusetts Zip
v (617) 000 6000	v (617) 000 6000
Contact: Mr. Contact	Contact: Mr. Contact
e-mail	e-mail
Architect	Consultant 1
Neh•Koo•Dah	Consultant
2001 Beacon Street #211	Address
Boston, Massachusetts 02135	Town, Massachusetts Zip
(617) 285-1985	v (617) 000 6000
Contact: Mr. Bennie Ber	Contact: Mr. Contact
bber@nehkoodah.com	e-mail
Consultant 2	Consultant 3
Consultant	Consultant
Address	Address
Town, Massachusetts Zip	Town, Massachusetts Zip
v (617) 000 6000	v (617) 000 6000
Contact: Mr. Contact	Contact: Mr. Contact
e-mail	e-mail

Drawing Li	ist	
G 001	Cover Sheet	
G 002	Code Information / Contract Modofication Notes	
G 003	Payment Procedures Notes / Temporary	
AS 101	Existing Conditions Site Plan	
AD 001	Demolition Notes	
AD 102	Demolition Floor Plan	
A 001	Concrete and Carpentry Notes	
A 002	Notes	
A 102	Floor Plan	
A 152	Reflected Ceiling Plan	
A 301	Building Sections	
A 311	Enlarged Sections and Section Details	
A 401	Stair and Ramp 01 Plans, Sections	
A 402	Stair and Ramp 01 Sections	
A 403	Stair Plans, Sections, and Details	
A 404	Stair Plans, Sections, and Details	
A 451	Enlarged Plans, Interior Elevations	
A 601	Partition Types	
A 611	Door Schedule	
A 621	Window Schedule	
A 631	Room Finish Schedule	



Summary of Works Notes

WORK COVERED BY CONTRACT DOCUMENTS

A. Project Identification: Alterations and Renovations to Unit Hydro, Pacific Mills Lofts

1. Project Location: 300 Canal Street Lawrence, Massachusetts 01840.

B. Owner: Lawrence Redevelopment Authority.1. Owner's Representative: Octavien Spanner.

C. Architect: Bennie Ber, AIA d/b/a Neh•Koo•Dah.D. Contractor: TBD

E. The Work consists of the following:

1. The Work includes Selective interior demolition as indicated, TYPE OF CONTRACT

2. TYPE OF CONTRACT

A Project will be construe

A. Project will be constructed under a single prime contract.

USE OF PREMISES

3. USE OF PREMISES

A General: Contract

A. General: Contractor shall have limited use of premises for construction operations as indicated on Drawings by the Contract limits.
B. Use of Site: Limit use of premises to work in areas indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.
1. Driveways and Entrances: Keep driveways and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.

a. Schedule deliveries to minimize use of driveways and

entrances.
C. Use of Existing Building: Maintain existing building in a weathertight condition throughout construction period. Repair damage caused by construction operations. Protect building and its occupants during construction period.

4. OWNER'S OCCUPANCY REQUIREMENTS

A. Full Owner Occupancy: Owner will occupy site and [existing] [adjacent] building during entire construction period. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's day-to-day

operations. Maintain existing exits, unless otherwise indicated.

1. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Owner and authorities having jurisdiction.

2. Provide not less than 72 hours' notice to Owner of activities that will affect Owner's operations.

B. Partial Owner Occupancy: Owner will occupy the premises during entire construction period, with the exception of areas under construction. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with

Owner's operations. Maintain existing exits, unless otherwise indicated.

1. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Owner and authorities having jurisdiction.

2. Provide not less than 72 hours' notice to Owner of activities that will affect Owner's operations.

5. WORK RESTRICTIONS

A. On-Site Work Hours: Work shall be generally performed inside the existing building during normal business working hours of 7 a.m. to 6 p.m., Monday through Friday, except otherwise indicated.

Weekend Hours: <Insert restrictions on times permitted for weekend work.>

2. Early Morning Hours: <Insert restrictions or references to regulations by authorities having jurisdiction for restrictions on noisy work.>

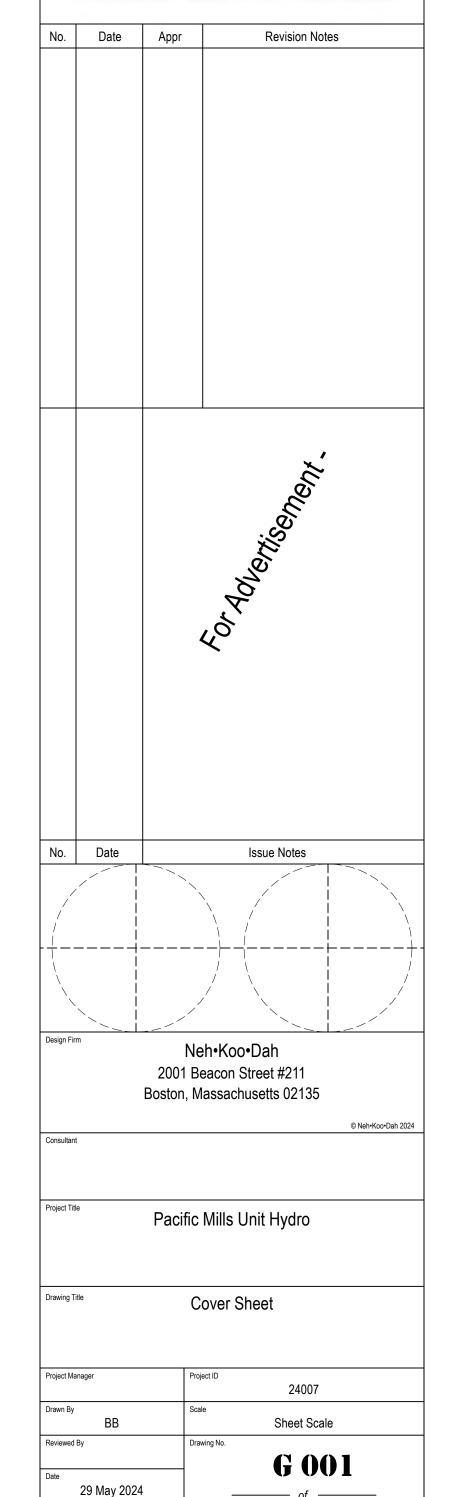
3. Hours for Utility Shutdowns: <Insert Owner's restrictions.>4. Hours for [Core Drilling] <Insert noisy activity>: <Insert Owner's

restrictions.>

B. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:

Notify [Architect] [Construction Manager] [Owner] not less than [two]
 Insert number> days in advance of proposed utility interruptions.
 Do not proceed with utility interruptions without [Architect's]
 [Construction Manager's] [Owner's] written permission.

3. Nonsmoking Building: Smoking is not permitted within the building or within 25 feet (8 m) of entrances, operable windows, or outdoor air intakes.



	2015 International	Existing Building Code (2015 IEE	RC)	
Design Criteria	Existing	Allowed / Required	Proposed	Reference
Existing Structures				Chapter 34 / 2015 IEBC
Compliance Method			TBD	2015 IEBC 301.1
Risk Category				2015 IBC Table 1604.5
Structural Performance Level BSE-1N				2015 IEBC Table 301.1.4.
Structural Performance Level BSE-1N				
Work Area			0 sq ft	2015 IEBC Ch. 2
Classification of Work			TBD	2015 IEBC Ch. 5
Fire Protection		TBD	NC	TBD
Means of Egress		TBD	NC	TBD
Accessibility		TBD	NC	TBD
Structural		TBD	NC	TBD
Energy Conservation		Alteration are Required	to conform to the Code	e for New Construction

Codes in Effect	780 CMR Massachusetts State Bi	uilding Code 9th Edition
	521 CMR Massachusetts Architec	ctural Access Board Regulations
	2010 ADA Standards for Accessib	le Design
<u>Design Criteria</u>		<u>Reference</u>
Risk Category	III	Table 1604.5
Deck Attachment to Exterior Wall	Provide positive anchorage to primary structure	1604.8.3
Ground Snow Load	40 psf	Table 1604.11
Basic Wind Speed	139 mph	
Floor Live Load	100 psf	Table 1607.1
Roof Live Load		
Wind-Borne Debris Region		1609.2
Surface Roughness (Exposure) Category		1609.4.2
Design Pressure Horizontal (outward pressure)	20 psf	
Design Pressure Vertical (upward pressure)	33 psf	spri.org Wind Calculator
Flood Loads		Section 1612
Design Flood Elevation		1612.3.1
Seismic Design Category		Section 1613
Site Class		1613.3.2
Structural Observations		1704.6

Building Code Review	700 0115		011 5 1111	
Codes in Effect	780 CMR Massac	husetts State Building Cod	le 9th Edition	
	521 CMR Massac	husetts Architectural Acces	ss Board Regulations	
	2010 ADA Standa	rds for Accessible Design		
Design Criteria	Existing	Allowed / Required	<u>Proposed</u>	<u>Reference</u>
Existing Use Group			No Change (NC)	Chapter 3
Special Use				Chapter 4
Year Built				
Type of Construction			NC	Chapter 6
Allowable Height			NC	Table 503
Allowable Height (Stories)			NC	Table 503
Allowable Building Area per Floor (At)			NC	Table 503
Automatic Sprinkler System Height Increase (feet)			NC	504.2
Automatic Sprinkler System Height Increase (Stories)			NC	504.2
Dwelling Unit Separation Walls			NC	420.2 / 709
Dwelling Unit Horizontal Separation			NC	420.3 / 712
Building Perimeter (P)				506.2
Qualifying Building Perimeter (F)				506.2
Width of Public Way (W)				506.2.1
Area Increase due to Frontage (If)				506.2 Equation 5-2
Area Increase due to Sprinkler (Is)				506.3
Unlimited Area Building		NA		507
nterior Wall & Ceiling Finishes			Flame Spread < 75	Table 803.9
•			Smoke Dev'd < 450	Table 803.9
Automatic Sprinkler System		Would be Required	No	Section 903
•		for New Construction		
Standpipe System				Section 905
Portable Fire Extinguishers				906.1 / NFPA 10
Minimum Extinguisher Rating				Table 906.3(1)
Maximum Floor Area per Extinguisher				_
Maximum Travel Distance to Extinguisher				007.0.0 5 (:
Manual Fire Alarm System				907.2.3 Exception
Smoke Alarms				907.2.3
Common Path of Egress Travel				1014.3
Exit Access Travel Distance				Table 1016.1
Corridor Fire-Resistance Rating				Table 1018.1
Exit Enclosure				1022.1
Exit Passageways				1023.1
Width				1023.2
Construction				1023.3
Exterior Wall Flashing				4
Perimeter of exterior door and window assemblies				
Penetrations and termeinations of exterior wall assemblies				1405.4
Exterior wall intersections with roofs, chimneys, porches, decks, balconies, and similar projections				
	-			_
	-			
	1			1

Contract Modification Notes

MINOR CHANGES IN THE WORK

A. Architect will issue supplemental instructions authorizing Minor Changes in the Work, not involving adjustment to the Contract Sum or the Contract Time, on [AIA Document G710, "Architect's Supplemental Instructions."

2. PROPOSAL REQUESTS

A. Owner-Initiated Proposal Requests: Architect will issue a detailed description of proposed changes in the Work that may require adjustment to the Contract Sum or the Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications.

include supplemental or revised Drawings and Specifications.

1. Proposal Requests issued by Architect are for information only. Do not consider them instructions either to stop work in progress or to execute the proposed change.

- 2. Within 20 days after receipt of Proposal Request, submit a quotation estimating cost adjustments to the Contract Sum and the Contract Time necessary to execute the change.
- a. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
- b. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
- c. Include costs of labor and supervision directly attributable to the

d. Include an updated Contractor's Construction Schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
B. Contractor-Initiated Proposals: If latent or unforeseen conditions

B. Contractor-Initiated Proposals: If latent or unforeseen conditions require modifications to the Contract, Contractor may propose changes by submitting a request for a change to Architect.

1. Include a statement outlining reasons for the change and the effect of the change on the Work. Provide a complete description of the proposed change. Indicate the effect of the proposed change on the Contract Sum and the Contract Time.

- 2. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
- 3. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
- 4. Include costs of labor and supervision directly attributable to the
- 5. Include an updated Contractor's Construction Schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
- 6. Comply with requirements in Division 01 Section "Product Requirements" if the proposed change requires substitution of one product or system for product or system specified.
- system for product or system specified.

 C. Proposal Request Form: Use AIA Document G709 for Proposal Requests.
- 3. 1. CHANGE ORDER PROCEDURES
- A. On Owner's approval of a Proposal Request, Architect will issue a Change Order for signatures of Owner and Contractor on
- AIA Document G701.
 4. CONSTRUCTION CHANGE DIRECTIVE
- A. Construction Change Directive: Architect may issue a Construction Change Directive on AIA Document G714. Construction Change Directive instructs Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.
- Construction Change Directive contains a complete description of change in the Work. It also designates method to be followed to determine change in the Contract Sum or the Contract Time.
- Documentation: Maintain detailed records on a time and material basis of work required by the Construction Change Directive.
 After completion of change, submit an itemized account and supporting data necessary to substantiate cost and time adjustments to the

Storage Facility Pacific Mills Unit Hydro



Revision Notes

Date Appr

			J. Advertisement	
No.	Date		Issue Notes	
Design Fir	m	2001 Beaco	oo•Dah on Street #211 achusetts 02135	
Consultan	t			© Neh•Koo•Dah 2024
Project Tit	le	Pacific Mill	s Unit Hydro	

Drawing Ticode Information / Contract Modofication Notes

BB

29 May 2024

CAD File Name 24007 - Model.vwx

24007

Sheet Scale

DEFINITIONS

A. Schedule of Values: A statement furnished by Contractor allocating portions of the Contract Sum to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

SCHEDULE OF VALUES

Definition - Schedule of Values: A statement furnished by Contractor allocating portions of the Contract Sum to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment. Coordination: Coordinate preparation of the Schedule of Values with preparation of Contractor's Construction Schedule.

Correlate line items in the Schedule of Values with other required administrative forms and schedules, including the following:

Application for Payment forms with Continuation Sheets.

Submittals Schedule

Contractor's Construction Schedule.

Submit the Schedule of Values to Architect at earliest possible date but no later than seven days before the date scheduled for submittal of the initial Application for Payment.

1. Format and Content: Use the Project Manual table of contents as a guide to establish line items for the Summary Schedule of Values. Provide a minimum of at least one line item for each Specification Section. Provide additional breakdown of larger sections when requested by the Architect Identification: Include the following Project identification on

the Schedule of Values:

Project name and location. Name of Architect.

Architect's project number. Department's FISH number.

Contractor's name and address.

Date of submittal.

Submit draft Schedule of Values using the Application for Payment Continuation Sheets (01.29.00.02). Copies can be found in the Construction Handbook. A sample can be seen at the end of this section Arrange the Schedule of Values in tabular form with separate

columns to indicate the following for each item listed:

Related Specification Section or Division.

Description of the Work. Name of subcontractor.

Change Orders Approved by the LHA and Department.

Name of manufacturer or fabricator.

Name of supplier.

Change Orders (numbers) that affect value.

Dollar value. Percentage of the Contract Sum to nearest one-hundredth

percent, adjusted to total 100 percent. 3. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Coordinate with the Project Manual table of contents. Provide several line items for principal subcontract amounts, where appropriate in accordance with the examples shown in the Construction Handbook.

Subdivide filed subcontract amounts into major tasks. Round amounts to nearest whole dollar; total shall equal the

Contract Sum. Provide a separate line item in the Schedule of Values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.

Differentiate between items stored on-site and items stored off-site. If specified, include evidence of Transfer of Title of material and proof of ownership by the contractor, insurance, or bonded warehousing.

Provide separate line items in the Schedule of Values for initial cost of materials, for each subsequent stage of completion, and for total installed value of that part of the Work.

Allowances: Provide a separate line item in the Schedule of Values for each allowance. Show line-item value of unit-cost allowances, as a product of the unit cost, multiplied by measured quantity. Use information indicated in the Contract Documents to determine quantities.

Each item in the Schedule of Values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item.

a. Temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown either as separate line items in the Schedule of Values or distributed as general overhead expense, at [DHCD Construction Advisor's] [Contractor's] option.

10. Schedule Updating: Update and resubmit the Schedule of Values before the next Applications for Payment when Change Orders or

Construction Change Directives result in a change in the Contract Sum.

3. APPLICATIONS FOR PAYMENT

Payment Application Content: Application for Payment shall be consistent with previous applications and payments as certified by Architect and paid for by Owner.

Initial Application for Payment, Application for Payment at time of Substantial Completion, and final Application for Payment involve additional requirements.

Payment Application Times: The date for each progress payment is indicated in the Agreement between Owner and Contractor. The period of 3. MATERIALS construction Work covered by each Application for Payment is the period indicated in the Agreement.

Payment Application Forms: Use AIA Document G702 and AIA Document G703 Continuation Sheets as form for Applications for

Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. Architect will return incomplete applications without action.

Entries shall match data on the Schedule of Values and Contractor's Construction Schedule. Use updated schedules if revisions were

Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application. Transmittal: Submit 3 signed and notarized original copies of each Application for Payment to Architect by a method ensuring receipt within 24 hours. One copy shall include waivers of lien and similar attachments if required.

Transmit each copy with a transmittal form listing attachments and recording appropriate information about application. Waivers of Mechanic's Lien: With each Application for Payment, submit waivers of mechanic's lien from every entity who is lawfully entitled to file a mechanic's lien arising out of the Contract and related to the Work covered by the payment.

Submit partial waivers on each item for amount requested in previous application, after deduction for retainage, on each item. When an application shows completion of an item, submit

final or full waivers. Owner reserves the right to designate which entities involved

in the Work must submit waivers. Waiver Forms: Submit waivers of lien on forms, executed in a

Waivers of Mechanic's Lien: With each Application for Payment, submit waivers of mechanic's liens from subcontractors, sub-subcontractors, and suppliers for construction period covered by the previous application. Submit partial waivers on each item for amount requested in

previous application, after deduction for retainage, on each item. When an application shows completion of an item, submit final or full waivers.

Owner reserves the right to designate which entities involved in the Work must submit waivers. Submit final Application for Payment with or preceded by final

waivers from every entity involved with performance of the Work covered by the application who is lawfully entitled to a lien. Waiver Forms: Submit waivers of lien on forms, executed in a

manner acceptable to Owner Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:

Project Directory.

manner acceptable to Owner

List of subcontractors.

Schedule of Values. Contractor's Construction Schedule (preliminary if not final). Products list.

Any proposed product substitutions/or equals.

Schedule of unit prices.

Submittals Schedule (preliminary if not final).

List of Contractor's staff assignments. List of Contractor's principal consultants.

Copies of building permits.

Copies of authorizations and licenses from authorities having jurisdiction for performance of the Work.

13. Initial progress report.

Report of preconstruction conference. Certificates of insurance and insurance policies.

Performance and payment bonds. Data needed to acquire Owner's insurance. Initial settlement survey and damage report if required.

Application for Payment at Substantial Completion: After issuing the Certificate of Substantial Completion, submit an Application for Payment showing 100 percent completion for portion of the Work claimed as substantially complete.

Include documentation supporting claim that the Work is substantially complete and a statement showing an accounting of changes to the Contract Sum.

This application shall reflect Certificates of Partial Substantial Completion issued previously for Owner occupancy of designated portions of the Work.

Final Payment Application: Submit final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:

documentation required by Section 01 77 00 "Close out Procedures" and 01 78 39 "Project Record Drawings".

Evidence of completion of Project closeout requirements. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid. Updated final statement, accounting for final changes to the

Contract Sum. AIA Document G706, "Contractor's Affidavit of Payment of Debts and Claims."

AIA Document G706A, "Contractor's Affidavit of Release of

Liens." AIA Document G707, "Consent of Surety to Final Payment."

Evidence that claims have been settled. Final meter readings for utilities, a measured record of stored fuel, and similar data as of date of Substantial Completion or when Owner took possession of and assumed responsibility for corresponding elements of

the Work.

Final, liquidated damages settlement statement.

Cutting and Patching Notes

1. DEFINITIONS A. Cutting: Removal of in-place construction necessary to permit installation or performance of other Work.

Patching: Fitting and repair work required to restore surfaces to original conditions after installation of other Work. 2. Part 1.6 WARRANTY

A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during cutting and patching operations, by methods and with materials so as not to void existing warranties.

General: Comply with requirements specified in other Sections. In-Place Materials: Use materials identical to in-place materials. For exposed surfaces, use materials that visually match in-place adjacent surfaces to the fullest extent possible

1. If identical materials are unavailable or cannot be used, use materials that, when installed, will match the visual and functional performance of in-place materials.

4. EXAMINATION Examine surfaces to be cut and patched and conditions under which cutting and patching are to be performed.

Compatibility: Before patching, verify compatibility with and suitability of substrates, including compatibility with in-place finishes or primers.

Proceed with installation only after unsafe or unsatisfactory conditions have been corrected.

PREPARATION Temporary Support: Provide temporary support of Work to be cut. Protection: Protect in-place construction during cutting and patching to prevent damage. Provide protection from adverse weather conditions for portions of Project that might be exposed during cutting and patching operations.

C. Adjoining Areas: Avoid interference with use of adjoining areas or interruption of free passage to adjoining areas. D. Existing Utility Services and Mechanical/Electrical Systems: Where

existing services/systems are required to be removed, relocated, or abandoned, bypass such services/systems before cutting to [minimize] [prevent] interruption to occupied areas.

6. PERFORMANCE General: Employ skilled workers to perform cutting and patching. Proceed with cutting and patching at the earliest feasible time, and complete without delay.

Cut in-place construction to provide for installation of other components or performance of other construction, and subsequently patch as required to restore surfaces to their original condition.

2. Cutting: Cut in-place construction by sawing, drilling, breaking, chipping, grinding, and similar operations, including excavation, using methods least likely to damage elements retained or adjoining construction. If possible, review proposed procedures with original Installer; comply with original Installer's written recommendations.

In general, use hand or small power tools designed for sawing and grinding, not hammering and chopping. Cut holes and slots as small as possible, neatly to size required, and with minimum disturbance of adjacent surfaces. Temporarily cover openings when not in use

B. Patching: Patch construction by filling, repairing, refinishing, closing up, and similar operations following performance of other Work. Patch with durable seams that are as invisible as possible. Provide materials and comply with installation requirements specified in other Sections.

1. Inspection: Where feasible, test and inspect patched areas after completion to demonstrate integrity of installation.

Exposed Finishes: Restore exposed finishes of patched areas and extend finish restoration into retained adjoining construction in a manner that will eliminate evidence of patching and refinishing. a. Clean piping, conduit, and similar features before applying paint or other finishing materials.

Restore damaged pipe covering to its original condition. Floors and Walls: Where walls or partitions that are removed extend one finished area into another, patch and repair floor and wall surfaces in the new space. Provide an even surface of uniform finish, color, texture, and appearance. Remove in-place floor and wall coverings and replace with new materials, if necessary, to achieve uniform color and appearance.

a. Where patching occurs in a painted surface, apply primer and intermediate paint coats over the patch and apply final paint coat over entire unbroken surface containing the patch. Provide additional coats until patch blends with adjacent surfaces.

4. Ceilings: Patch, repair, or rehang in-place ceilings as necessary to provide an even-plane surface of uniform appearance. 5. Exterior Building Enclosure: Patch components in a manner

Cleaning: Clean areas and spaces where cutting and patching are

performed. Completely remove paint, mortar, oils, putty, and similar materials

that restores enclosure to a weathertight condition.

Temporary Facilities Notes 1. USE CHARGES

A. Water Service: Water from Owner's existing water system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction

Electric Power Service: Electric power from Owner's existing system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.

2. EQUIPMENT

A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures. 3. OPERATION, TERMINATION, AND REMOVAL

A. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses. B. Maintenance: Maintain facilities in good operating condition until removal.

Maintain operation of temporary enclosures, heating, cooling, humidity control, ventilation, and similar facilities on a 24-hour basis where required to achieve indicated results and to avoid possibility of damage.

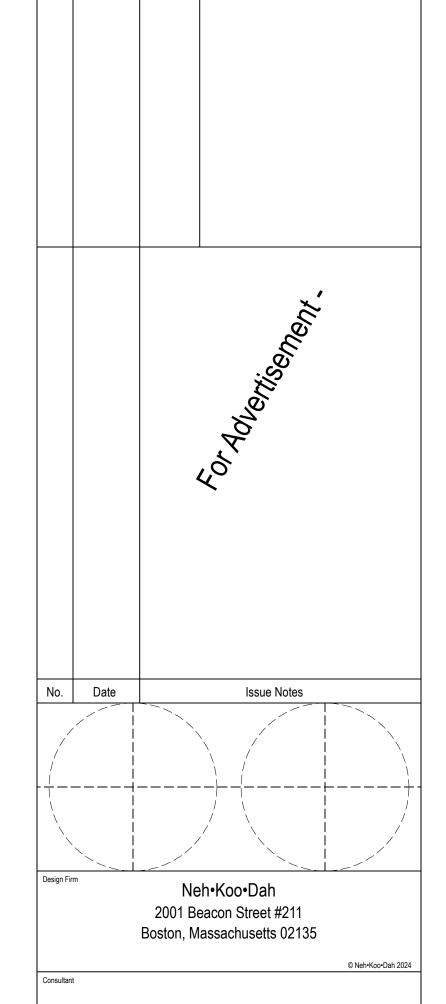
Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.

Materials and facilities that constitute temporary facilities are property of Contractor. Owner reserves right to take possession of Project identification signs.

2. At Substantial Completion, clean and renovate permanent facilities used during construction period. Comply with final cleaning requirements specified in Division 01 Section "Closeout Procedures.

Storage Facility Pacific Mills Unit Hydro





Pacific Mills Unit Hydro

Payment Procedures Notes / Temporary Temporary Facilities Notes **Cutting and Patching Notes** Project Manager 24007

BB Sheet Scale Reviewed By 29 May 2024

24007 - Model.vwx

G 003

Selective Interior Demolition Notes

- DEFINITIONS
 A. Remove: Detach items from existing construction and legally dispose
- of them off-site, unless indicated to be removed and salvaged or removed and reinstalled.
- B. Remove and Salvage: Detach items from existing construction and deliver them to Owner.
- C. Remove and Reinstall: Detach items from existing construction, prepare them for reuse, and reinstall them where indicated.
- D. Existing to Remain: Existing items of construction that are not to be removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.
- 2. MATERIALS OWNERSHIP
- A. Historic items, relics, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, antiques, and other items of interest or value to Owner that may be encountered during selective demolition remain Owner's property. Carefully remove and salvage each item or object in a manner to prevent damage and deliver promptly to Owner.
- 3. PROJECT CONDITIONS

 A Owner will occupy portions of building imm
- A. Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted.
- Comply with requirements specified in Division 01 Section "Summary."
 Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- C. Notify Architect of discrepancies between existing conditions and
 Drawings before proceeding with selective demolition.
 D. Hazardous Materials: It is not expected that hazardous materials will
- be encountered in the Work.

 1. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Owner
- will remove hazardous materials under a separate contract.

 E. Storage or sale of removed items or materials on-site is not permitted.

 F. Utility Service: Maintain existing utilities indicated to remain in service
- and protect them against damage during selective demolition operations.
 1. Maintain fire-protection facilities in service during selective demolition operations.
- 4. WARRANTY
- A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during selective demolition, by methods and with materials so as not to void existing warranties.
- 5. EXAMINATION
- A. Verify that utilities have been disconnected and capped.
 B. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.
- C. Inventory and record the condition of items to be removed and reinstalled and items to be removed and salvaged.D. When unanticipated mechanical, electrical, or structural elements that
- D. When unanticipated mechanical, electrical, or structural elements that conflict with intended function or design are encountered, investigate and measure the nature and extent of conflict. Promptly submit a written report to Architect.
 6. UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS
- A. Existing Services/Systems: Maintain services/systems indicated to remain and protect them against damage during selective demolition operations.
- 1. Comply with requirements for existing services/systems interruptions specified in Division 01 Section "Summary."

7. PREPARATION

- A. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
- Comply with requirements for access and protection specified in Division 01 Section "Temporary Facilities and Controls."
- B. Temporary Facilities: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
- 1. Provide protection to ensure safe passage of people around selective demolition area and to and from occupied portions of building.
- Provide temporary weather protection, during interval between selective demolition of existing construction on exterior surfaces and new construction, to prevent water leakage and damage to structure and interior areas
- 3. Protect walls, ceilings, floors, and other existing finish work that are to remain or that are exposed during selective demolition operations.
- 4. Cover and protect furniture, furnishings, and equipment that have not been removed.
 5. Comply with requirements for temporary enclosures, dust control,
- heating, and cooling specified in Division 01 Section "Temporary Facilities and Controls."

 C. Temporary Shoring: Provide and maintain shoring, bracing, and
- structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished.
- 1. Strengthen or add new supports when required during progress of selective demolition.
- 8. SELECTIVE DEMOLITION, GENERAL
- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
- 1. Proceed with selective demolition systematically, from higher to lower level. Complete selective demolition operations above each floor or tier before disturbing supporting members on the next lower level.
- 2. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping, to minimize disturbance of adjacent surfaces. Temporarily cover openings to remain.
- 3. Cut or drill from the exposed or finished side into concealed surfaces
- to avoid marring existing finished surfaces.4. Do not use cutting torches until work area is cleared of flammable
- materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain[fire watch and] portable fire-suppression devices during flame-cutting operations.
- 5. Maintain adequate ventilation when using cutting torches.
- 6. Remove decayed, vermin-infested, or otherwise dangerous or
- unsuitable materials and promptly dispose of off-site.

 7. Remove structural framing members and lower to ground by method
- suitable to avoid free fall and to prevent ground impact or dust generation.

 8. Locate selective demolition equipment and remove debris and
- materials so as not to impose excessive loads on supporting walls, floors, or framing.
- Dispose of demolished items and materials promptly.
- 9. SELECTIVE DEMOLITION PROCEDURES FOR SPECIFIC MATERIALS

 A. Masonry: Demolish in small sections. Cut masonry at junctures with construction to remain, using power-driven saw, then remove masonry
- between saw cuts.

 10. DISPOSAL OF DEMOLISHED MATERIALS
- A. General: Except for items or materials indicated to be recycled, reused, salvaged, reinstalled, or otherwise indicated to remain Owner's property, remove demolished materials from Project site and legally dispose of them in an EPA-approved landfill.
- them in an EPA-approved landfill.

 1. Do not allow demolished materials to accumulate on-site.
- Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- 3. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.4. Comply with requirements specified in Division 01 Section
- "Construction Waste Management and Disposal."

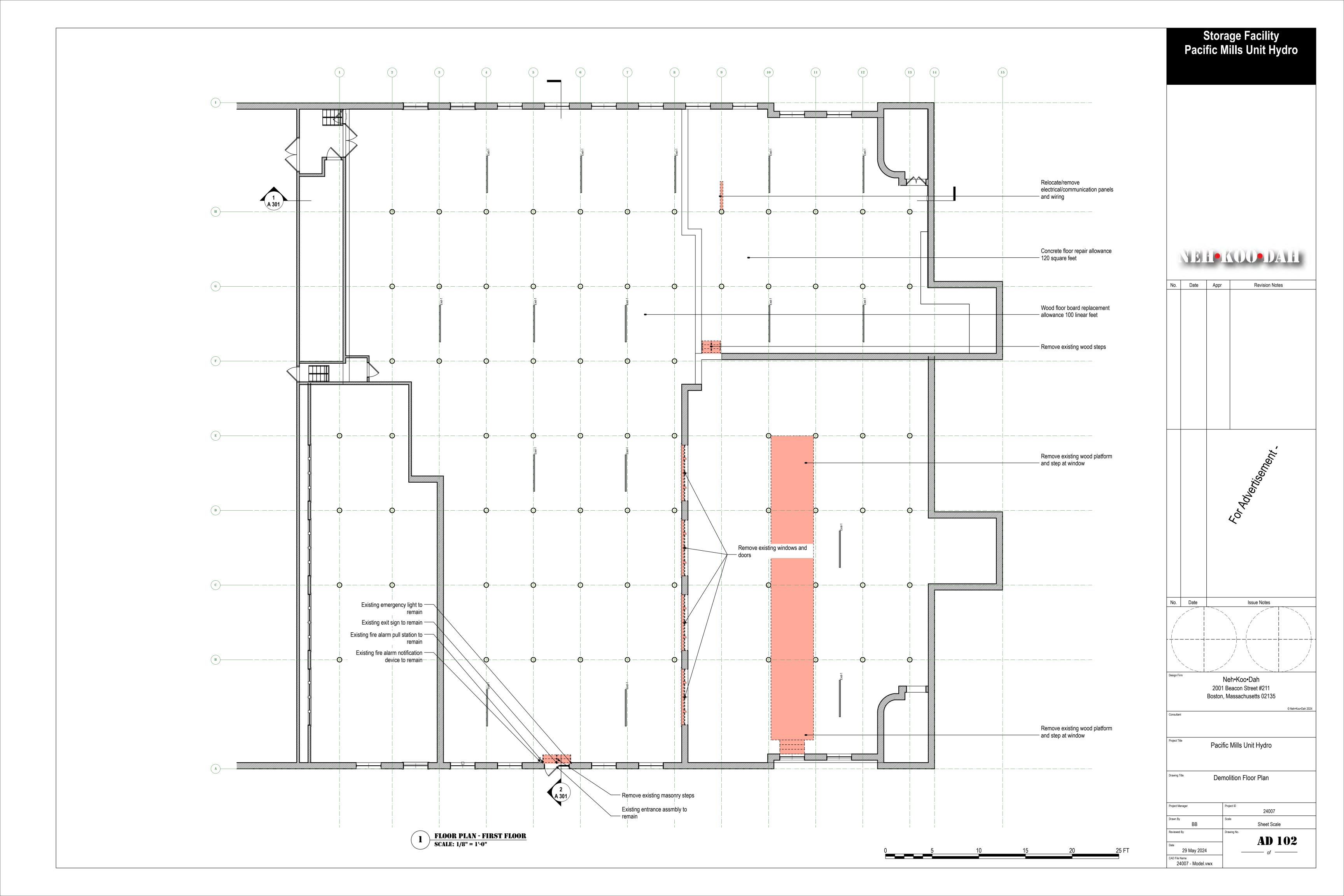
 B. Burning: Do not burn demolished materials.
- C. Disposal: Transport demolished materials off Owner's property and legally dispose of them.

11. CLEANING

A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

Storage Facility Pacific Mills Unit Hydro NBH•KUU•DAH Date Appr **Revision Notes** No. Date Issue Notes Neh•Koo•Dah 2001 Beacon Street #211 Boston, Massachusetts 02135 Pacific Mills Unit Hydro Drawing Title **Demolition Notes** 24007 BB Sheet Scale Reviewed By **AD 001**

29 May 2024



Concrete Notes

- CONCRETE SURFACE REPAIRS
- A. Defective Concrete: Repair and patch defective areas when approved by Architect. Remove and replace concrete that cannot be repaired and patched to Architect's approval.
- B. Patching Mortar: Mix dry-pack patching mortar, consisting of one part portland cement to two and one-half parts fine aggregate passing a No. 16 (1.18-mm) sieve, using only enough water for handling and placing.
- Repairing Unformed Surfaces: Test unformed surfaces, such as floors and slabs, for finish and verify surface tolerances specified for each surface. Correct low and high areas. Test surfaces sloped to drain for trueness of slope and smoothness; use a sloped template.
- 1. Repair finished surfaces containing defects. Surface defects include spalls, popouts, honeycombs, rock pockets, crazing and cracks in excess of 0.01 inch (0.25 mm) wide or that penetrate to reinforcement or completely through unreinforced sections regardless of width, and other objectionable conditions.
- 2. After concrete has cured at least 14 days, correct high areas by
- 3. Correct localized low areas during or immediately after completing surface finishing operations by cutting out low areas and replacing with
- patching mortar. Finish repaired areas to blend into adjacent concrete. 4. Correct other low areas scheduled to receive floor coverings with a repair underlayment. Prepare, mix, and apply repair underlayment and primer according to manufacturer's written instructions to produce a smooth, uniform,

plane, and level surface. Feather edges to match adjacent floor elevations.

- 5. Correct other low areas scheduled to remain exposed with a repair topping. Cut out low areas to ensure a minimum repair topping depth of 1/4 inch (6 mm) to match adjacent floor elevations. Prepare, mix, and apply repair topping and primer according to manufacturer's written instructions to produce a smooth, uniform, plane, and level surface.
- 6. Repair defective areas, except random cracks and single holes 1 inch (25 mm) or less in diameter, by cutting out and replacing with fresh concrete. Remove defective areas with clean, square cuts and expose steel reinforcement with at least a 3/4-inch (19-mm) clearance all around. Dampen concrete surfaces in contact with patching concrete and apply bonding agent. Mix patching concrete of same materials and mixture as original concrete except without coarse aggregate. Place, compact, and finish to blend with adjacent finished concrete. Cure in same manner as adjacent concrete.
- Repair random cracks and single holes 1 inch (25 mm) or less in diameter with patching mortar. Groove top of cracks and cut out holes to sound concrete and clean off dust, dirt, and loose particles. Dampen cleaned concrete surfaces and apply bonding agent. Place patching mortar before bonding agent has dried. Compact patching mortar and finish to match adjacent concrete. Keep patched area continuously moist for at least 72
- D. Perform structural repairs of concrete, subject to Architect's approval, using epoxy adhesive and patching mortar.
- Repair materials and installation not specified above may be used, subject to Architect's approval.

Rough Carpentry Notes 1. Preservative Pressure Treatment:

2. Waterborne Wood Preservatives:

- 1. Toxicity/IEQ: Products containing chromium will not be permitted. Products containing arsenic will not be permitted
- a. Wood products shall be treated with waterborne wood preservatives conforming to AWPA Standards P5, excluding those which contain arsenic
- b. Pressure treatment of wood products shall conform to the requirements
- c. Retention of preservatives: 1) Moderate service conditions (weather exposure): 0.25 pounds per
- cubic foot (oxide basis).
- 2) Severe conditions (constant contact with ground or water): 0.40 pounds per cubic foot (oxide basis).
- 3. Borate-based preservative:

of AWPA Standards U1 and T1.

- a. Impregnate lumber with preservative treatment conforming to AWPA Standard P18.
- 2. Structural wood elements in direct contact with earth, embedded in concrete/masonry that is in direct contact with earth, or exposed to moisture, be of naturally durable wood or preservative-treated wood. WOOD PRODUCTS, GENERAL
- Lumber: DOC PS 20 and applicable rules of grading agencies indicated. If no grading agency is indicated, provide lumber that complies with the applicable rules of any rules-writing agency certified by the ALSC Board of
- Review. Provide lumber graded by an agency certified by the ALSC Board of Review to inspect and grade lumber under the rules indicated. Factory mark each piece of lumber with grade stamp of grading
- Where nominal sizes are indicated, provide actual sizes required by DOC PS 20 for moisture content specified. Where actual sizes are indicated,
- they are minimum dressed sizes for dry lumber. Provide dressed lumber, S4S, unless otherwise indicated.
- 4. WOOD-PRESERVATIVE-TREATED LUMBER
- A. Preservative Treatment by Pressure Process: AWPA C2. Preservative Chemicals: Acceptable to authorities having iurisdiction and containing no arsenic or chromium.
- Kiln-dry lumber after treatment to a maximum moisture content of 19 percent. Do not use material that is warped or does not comply with requirements for untreated material.
- C. Mark lumber with treatment quality mark of an inspection agency approved by the ALSC Board of Review.
- D. Application: Treat all rough carpentry, unless otherwise indicated.

- 5. DIMENSION LUMBER FRAMING
- Maximum Moisture Content: 19 percent.
- B. Non-Load-Bearing Interior Partitions: Construction or No. 2 grade of
- 6. MISCELLANEOUS LUMBER
- A. General: Provide miscellaneous lumber indicated and lumber for support or attachment of other construction, including the following:
 - Blocking. Nailers.
 - Cants.
 - Furring. Grounds.
 - For items of dimension lumber size, provide Construction or No. 2 grade lumber with 19 percent maximum moisture content of any species
 - C. For blocking not used for attachment of other construction, Utility, Stud, or No. 3 grade lumber of any species may be used provided that it is cut and selected to eliminate defects that will interfere with its attachment and
 - D. For blocking and nailers used for attachment of other construction, select and cut lumber to eliminate knots and other defects that will interfere with attachment of other work.
 - E. For furring strips for installing plywood or hardboard paneling, select boards with no knots capable of producing bent-over nails and damage to paneling.
- 7. PLYWOOD BACKING PANELS
- A. Telephone and Electrical Equipment Backing Panels: DOC PS 1. Exposure 1, C-D Plugged, in thickness indicated or, if not indicated, not less than 1/2-inch (13-mm) nominal thickness.
- 8. FASTENERS A. General: Provide fasteners of size and type indicated that comply
- with requirements specified in this Article for material and manufacture. Where rough carpentry is exposed to weather, in ground contact, pressure-preservative treated, or in area of high relative humidity, provide fasteners[with hot-dip zinc coating complying with
- ASTM A 153/A 153M1 [of Type 304 stainless steel]. Nails, Brads, and Staples: ASTM F 1667.
- Power-Driven Fasteners: NES NER-272. D. Wood Screws: ASME B18.6.1.
- Lag Bolts: ASME B18.2.1 (ASME B18.2.3.8M).
- Bolts: Steel bolts complying with ASTM A 307, Grade A
- (ASTM F 568M, Property Class 4.6); with ASTM A 563 (ASTM A 563M) hex nuts and, where indicated, flat washers. G. Expansion Anchors: Anchor bolt and sleeve assembly of material
- indicated below with capability to sustain, without failure, a load equal to 6 times the load imposed when installed in unit masonry assemblies and equal to 4 times the load imposed when installed in concrete as determined by testing per ASTM E 488 conducted by a qualified independent testing and inspecting agency.
- Material: Carbon-steel components, zinc plated to comply with ASTM B 633. Class Fe/Zn 5.
- 2. Material: Stainless steel with bolts and nuts complying with ASTM F 593 and ASTM F 594, Alloy Group 1 or 2 (ASTM F 738M and ASTM F 836M, Grade A1 or A4).

- 9. INSTALLATION, GENERAL
- A. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry to other construction; scribe and cope as needed for accurate fit. Locate [furring,]nailers, blocking, [grounds,]and similar supports to comply with requirements for attaching other
- B. Framing Standard: Comply with AF&PA's "Details for Conventional Wood Frame Construction," unless otherwise indicated.
- C. Framing with Engineered Wood Products: Install engineered wood products to comply with manufacturer's written instructions.
- D. Metal Framing Anchors: Install metal framing to comply with manufacturer's written instructions.
- E. Do not splice structural members between supports, unless otherwise
- indicated. F. Provide blocking and framing as indicated and as required to support
- facing materials, fixtures, specialty items, and trim. 1. Provide metal clips for fastening gypsum board or lath at corners and intersections where framing or blocking does not provide a surface for fastening edges of panels. Space clips not more than 16 inches (406 mm)
- Provide fire blocking in furred spaces, stud spaces, and other concealed cavities as indicated and as follows:
- 1. Fire block furred spaces of walls, at each floor level, at ceiling, and at not more than 96 inches (2438 mm) o.c. with solid wood blocking or noncombustible materials accurately fitted to close furred spaces.
- 2. Fire block concealed spaces of wood-framed walls and partitions at each floor level, at ceiling line of top story, and at not more than 96 inches (2438 mm) o.c. Where fire blocking is not inherent in framing system used, provide closely fitted solid wood blocks of same width as framing members and 2-inch nominal- (38-mm actual-) thickness.
- 3. Fire block concealed spaces between floor sleepers with same material as sleepers to limit concealed spaces to not more than 100 sq. ft. (9.3 sq. m) and to solidly fill space below partitions.
- 4. Fire block concealed spaces behind combustible cornices and exterior trim at not more than 20 feet (6 m) o.c.
- H. Sort and select lumber so that natural characteristics will not interfere with installation or with fastening other materials to lumber. Do not use materials with defects that interfere with function of member or pieces that are too small to use with minimum number of joints or optimum joint arrangement. I. Comply with AWPA M4 for applying field treatment to cut surfaces of
- preservative-treated lumber. 1. Use inorganic boron for items that are continuously protected from
- liquid water. 2. Use copper naphthenate for items not continuously protected from
- liquid water. J. Securely attach rough carpentry work to substrate by anchoring and
- fastening as indicated, complying with the following: NES NER-272 for power-driven fasteners. Table 2304.9.1, "Fastening Schedule," in ICC's International Building
- Code. Table R602.3(1), "Fastener Schedule for Structural Members," and
- Table R602.3(2), "Alternate Attachments," in ICC's International Residential Code for One- and Two-Family Dwellings. K. Use common wire nails, unless otherwise indicated. Select fasteners
- of size that will not fully penetrate members where opposite side will be exposed to view or will receive finish materials. Make tight connections between members. Install fasteners without splitting wood; do not countersink nail heads, unless otherwise indicated.
- For exposed work, arrange fasteners in straight rows parallel with edges of members, with fasteners evenly spaced, and with adjacent rows
- Comply with approved or indicated fastener patterns where
- 2. Use finishing nails, unless otherwise indicated. Do not countersink nail heads.
- 10. WALL AND PARTITION FRAMING INSTALLATION
- A. General: Provide single bottom plate and double top plates using members of 2-inch nominal (38-mm actual) thickness whose widths equal that of studs, except single top plate may be used for non-load-bearing partitions[and for load-bearing partitions where framing members bearing on partition are located directly over studs]. Fasten plates to supporting construction, unless otherwise indicated.
- For interior partitions and walls, provide 2-by-4-inch nominal-(38-by-89-mm actual-) size wood studs spaced 16 inches (406 mm) o.c., unless otherwise indicated.
- Provide continuous horizontal blocking at midheight of partitions more than 96 inches (2438 mm) high, using members of 2-inch nominal (38-mm actual) thickness and of same width as wall or partitions.
- B. Construct corners and intersections with three or more studs, except that two studs may be used for interior non-load-bearing partitions. C. Frame openings with multiple studs and headers. Provide nailed header members of thickness equal to width of studs. Support headers on jamb studs.
- For non-load-bearing partitions, provide double-jamb studs and headers not less than 4-inch nominal (89-mm actual) depth for openings 48 inches (1200 mm) and less in width, 6-inch nominal (140-mm actual) depth for openings 48 to 72 inches (1200 to 1800 mm) in width, 8-inch nominal (184-mm actual) depth for openings 72 to 120 inches (1800 to 3000 mm) in width, and not less than 10-inch nominal (235-mm actual) depth for openings 10 to 12 feet (3 to 3.6 m) in width.
- 11. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry to other construction; scribe and cope as needed for accurate fit. Locate furring, nailers, blocking, grounds, and similar supports to comply with requirements for attaching other construction.
- 12. Provide blocking and framing as indicated and as required to support facing materials, fixtures, specialty items, and trim.
- 1. Provide metal clips for fastening gypsum board or lath at corners and intersections where framing or blocking does not provide a surface for fastening edges of panels. Space clips not more than 16 inches (406 mm) o.c.

- 13. Securely attach rough carpentry work to substrate by anchoring and fastening as indicated, complying with the following:
 - NES NER-272 for power-driven fasteners.
 - Table 2304.9.1. "Fastening Schedule." in ICC's International
- Building Code. Table R602.3(1), "Fastener Schedule for Structural

International Residential Code for One- and Two-Family Dwellings.

Members," and Table R602.3(2), "Alternate Attachments," in ICC's

Storage Facility Pacific Mills Unit Hydro

NB F P K D UP DA F

Revision Notes

Date

Appr

		For Advertise	THOUSE	
		40		
No.	Date	Issue N		
No.				

Pacific Mills Unit Hydro

Concrete and Carpentry Notes

24007

Sheet Scale

A 001

Project Manager

Reviewed By

BB

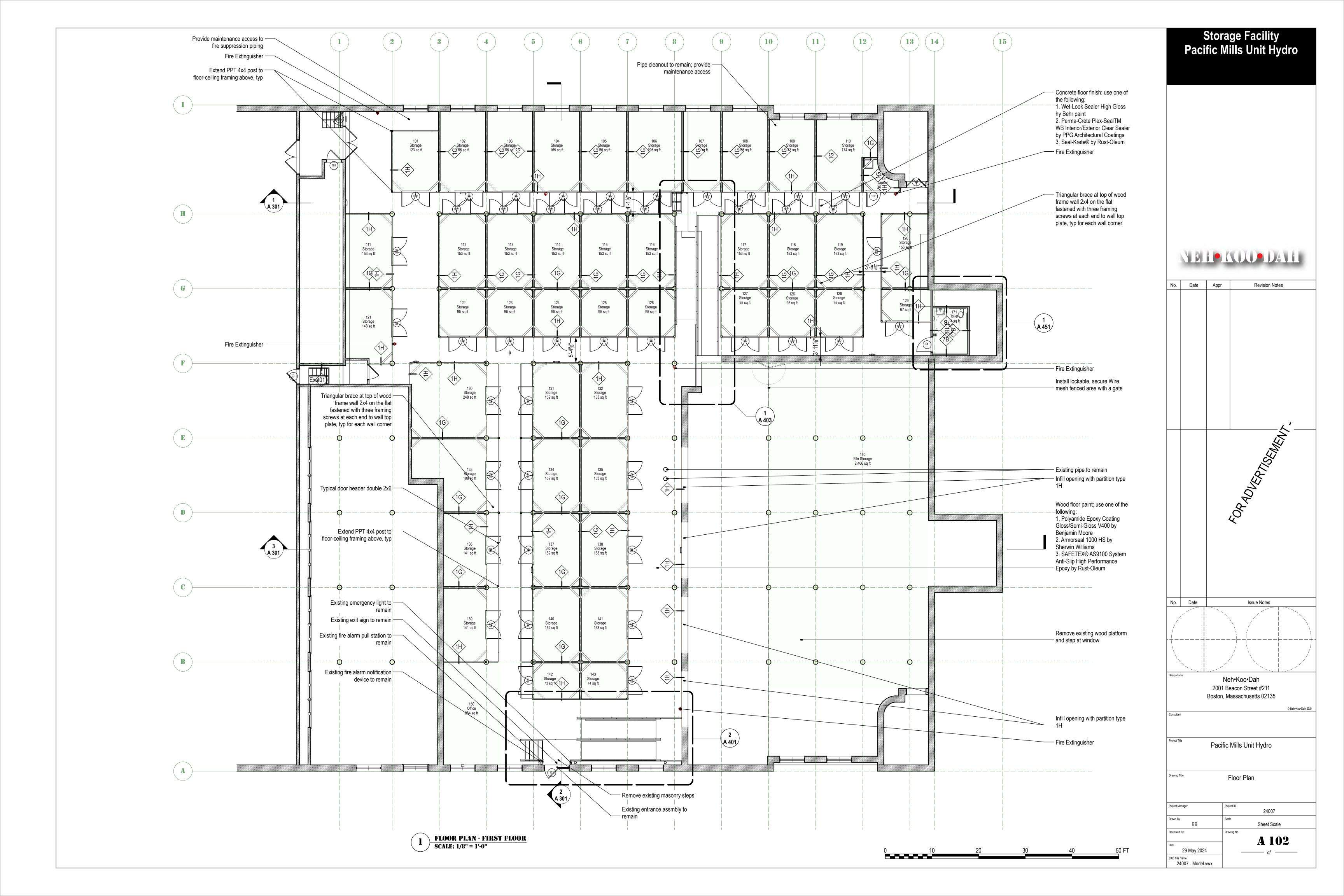
29 May 2024

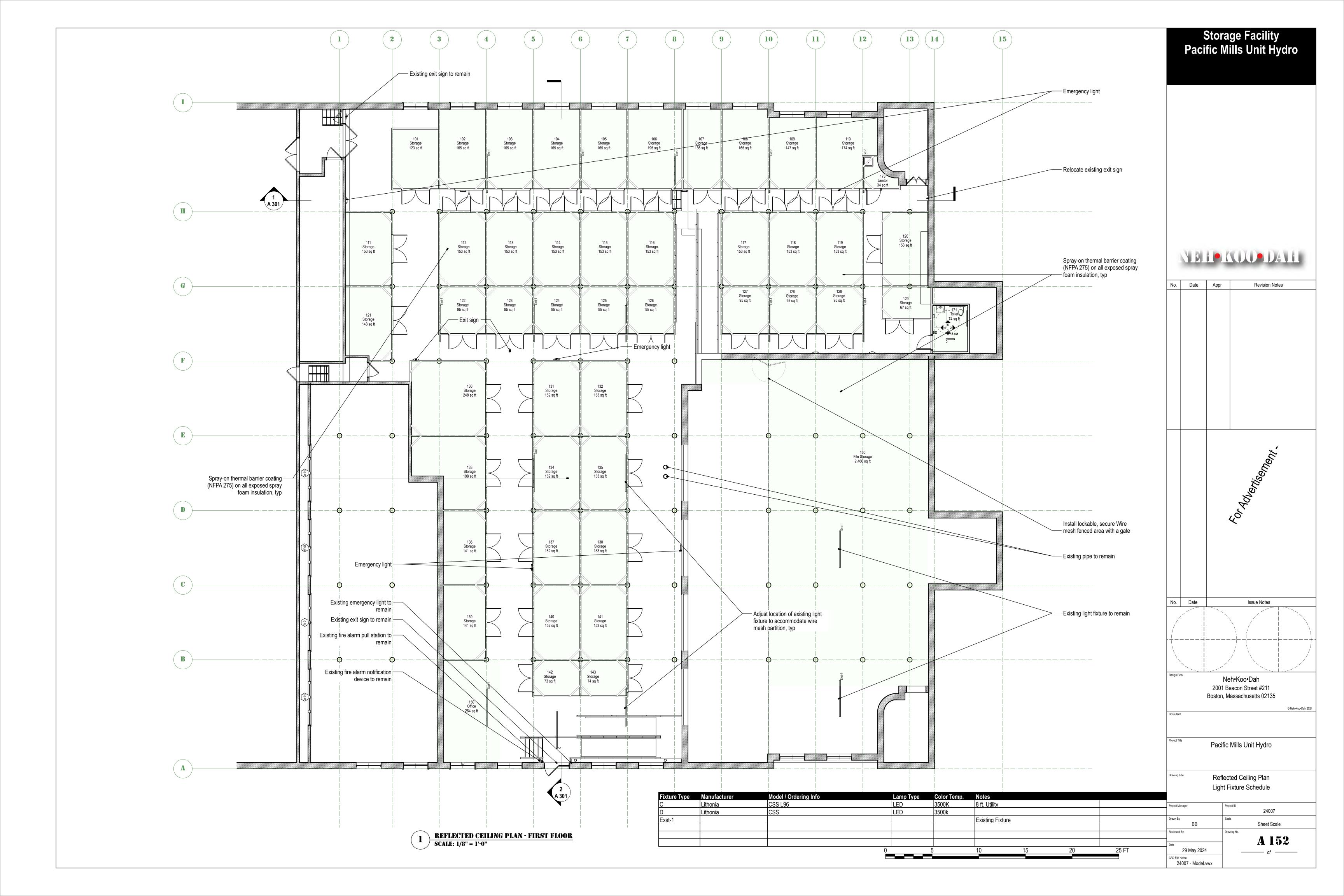
Wire Mesh Partition Notes Fire Extinguisher Notes HEAVY-DUTY WIRE MESH PARTITIONS 1. A. Fire Extinguishers: A. Mesh: 0.192-inch- (4.9-mm-) diameter steel wire woven into 2-inch Manufacturers: Subject to compliance with requirements, (50-mm) diamond mesh or welded into 1-1/2-by-2-1/2-inch (38-mm-by-65-mm) available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following: rectangular mesh. B. Vertical and Horizontal Panel Framing: 1-1/2-by-3/4-by-1/8-inch Amerex Corporation. (38-by-19-by-3.2-mm) cold-rolled steel channels; with holes for 3/8-inch-Ansul Incorporated; Tyco International Ltd. (9.5-mm-) diameter bolts not more than 12 inches (300 mm) o.c. Badger Fire Protection; a Kidde company. C. Horizontal Panel Stiffeners: Two cold-rolled steel channels, 1 by 1/2 Buckeye Fire Equipment Company. by 1/8 inch (25 by 13 by 3.2 mm), bolted or riveted toe to toe through mesh. Fire End & Croker Corporation. D. Top Capping Bars: 3-by-1-inch (76-by-25-mm) steel channels. J. L. Industries, Inc.; a division of Activar Construction Posts for 90-Degree Corners: 1-1/2-by-1-1/2-by-1/8-inch Products Group. (38-by-38-by-3.2-mm) steel angles or tubes[or 2-by-2-by-0.075-inch Kidde Residential and Commercial Division; Subsidiary of (50-by-50-by-1.9-mm) cold-rolled steel angles or tubes], with holes for Kidde plc. 3/8-inch- (9.5-mm-) diameter bolts aligning with bolt holes in vertical framing; Larsen's Manufacturing Company. with 1/4-inch (6.4-mm) steel base plates. Moon-American. Pem All Fire Extinguisher Corp.; a division of PEM Systems, F. Posts for Other-Than-90-Degree Corners: 2-inch- (50-mm) OD by 1/8-inch (3.2-mm) steel pipe or round tube, with holes for 3/8-inch- (9.5-mm-) diameter bolts aligning with bolt holes in vertical framing; with 1/4-inch Potter Roemer LLC. Pyro-Chem; Tyco Safety Products. (6.4-mm) steel base plates. Adjustable Corner Posts: Two 1-1/2-by-3/4-by-1/8-inch (38-by-19-by-3.2-mm) cold-rolled, steel channels or 2-by-2-by-0.075-inch (50-by-50-by-1.9-mm) steel tubes connected by steel hinges at 36 inches (900 mm) o.c. attached to posts; with 1/4-inch- (6-mm-) diameter bolt holes aligning with bolt holes in vertical framing; with 1/4-inch (6.4-mm) steel base plates. H. Line Posts: 3-inch-by-4.1-lb (76-mm-by-1.9-kg) or 3-1/2-by-1-1/4-by-1/8-inch (89-by-32-by-3.2-mm) steel channels; with 1/4-inch **Thermal Barrier Coating Notes** (6.4-mm) steel base plates. 1. A. Thermal Barrier Coating: Fire-protective intumescent coating Three- and Four-Way Intersection Posts: 2-by-2-by-0.075-inch formulated for application over polyurethane foam plastics, compatible with (50-by-50-by-1.9-mm) steel tubes, with holes for 3/8-inch- (9.5-mm-) diameter insulation, and passes NFPA 286, FM 4880, UL 1040, or UL 1715 testing as bolts aligned for bolting to adjacent panels; with 1/4-inch (6.4-mm) steel base part of an approved assembly. Surface-Burning Characteristics: Comply with ASTM E84; J. Floor Shoes: Metal, not less than 2 inches (50 mm) high; sized to suit testing by a qualified testing agency. Identify products with appropriate vertical framing, drilled for attachment to floor, and with set screws for leveling markings of applicable testing agency. adjustment. Flame-Spread Index: 25 or less. K. Swinging Doors: Fabricated from same mesh as partitions, with Smoke-Developed Index: [50] [450] <Insert value> or less. framing fabricated from 1-1/2-by-3/4-by-1/8-inch (38-by-19-by-3.2-mm) steel Fire Propagation Characteristics: Passes NFPA 285 testing channels, banded with 1-1/2-by-1/8-inch (38-by-3.2-mm) flat steel bar cover as part of an approved assembly. plates on four sides, and with 1/8-inch- (3.2-mm-) thick angle strike bar and 3. Topcoat: As recommended in writing by intumescent thermal cover on strike jamb. barrier manufacturer as compatible with substrate materials. 1. Hinges: Full-surface type, 3-1/2-by-3-1/2-inch (89-by-89-mm) steel, three per door; bolted, riveted, or welded to door and jamb framing. 2. Padlock Lug: Mortised into door framing and enclosed with steel cover. Vertically Sliding Service Windows: Fabricated from same mesh and framing as panels and equipped with [a spring catch] [slide bolts] on each jamb to lock window in open and closed positions. Include opening frame in partition fabricated from 1-1/4-by-1/2-by-1/8-inch (32-by-13-by-3.2-mm) steel M. Swinging Service Windows: Fabricated from same mesh and framing as panels and equipped with spring catch on strike jamb that locks window in closed position. Include opening frame in partition fabricated from 1-1/4-by-1/2-by-1/8-inch (32-by-13-by-3.2-mm) steel channels. N. Accessories: Sheet Metal Base: 0.060-inch- (1.5-mm-) thick, steel sheet. Adjustable Filler Panels: 0.060-inch- (1.5-mm-) thick steel sheet, capable of filling openings from 2 to 12 inches (50 to 300 mm). O. Finish: Hot-dip galvanized unless otherwise indicated. Interior Painting Notes 1. A. Wood Substrates: Wood paneling and casework. 1. Latex over Latex Primer System [MPI INT 6.4R]: a. Prime Coat: Primer, latex, for interior wood[, MPI #39]. 2) Intermediate Coat: Latex, interior, matching topcoat. b. Topcoat: Latex, interior, semi-gloss (MPI Gloss Level 5), MPI #54. 2. A. Concrete Substrates, Traffic Surfaces: 1. Latex Floor Enamel System [MPI INT 3.2A]: a. Prime Coat: Floor paint, latex, matching topcoat. Intermediate Coat: Floor paint, latex, matching topcoat. c. Topcoat: Floor paint, latex, low gloss (maximum MPI Gloss Level 3)[, MPI #60]. 2. Water-Based Concrete Floor Sealer System [MPI INT 3.2G]: a. First Coat: Sealer, water based, for concrete floors, matching topcoat. Topcoat: Sealer, water based, for concrete floors[, MPI #99]. Solvent-Based Concrete Floor Sealer System [MPI INT 3.2F]: First Coat: Sealer, solvent based, for concrete floors, matching topcoat. Topcoat: Sealer, solvent based, for concrete floors[, MPI #104]. 3. A. Wood Substrates: Traffic surfaces, including [floors] [and] [stairs]. Latex Porch & Floor Enamel System [MPI INT 6.5G]: Prime Coat: Primer sealer, alkyd, interior[, MPI #45]. Intermediate Coat: Floor paint, latex, matching topcoat. d. Topcoat: Floor paint, latex, low gloss (maximum MPI Gloss Level 3)[, MPI #60]. Alkyd Floor Enamel System [MPI INT 6.5A]: Prime Coat: Floor enamel, alkyd, matching topcoat. Intermediate Coat: Floor enamel, alkyd, matching topcoat. c. Topcoat: Floor enamel, alkyd, gloss (MPI Gloss Level 6)[, MPI #27].

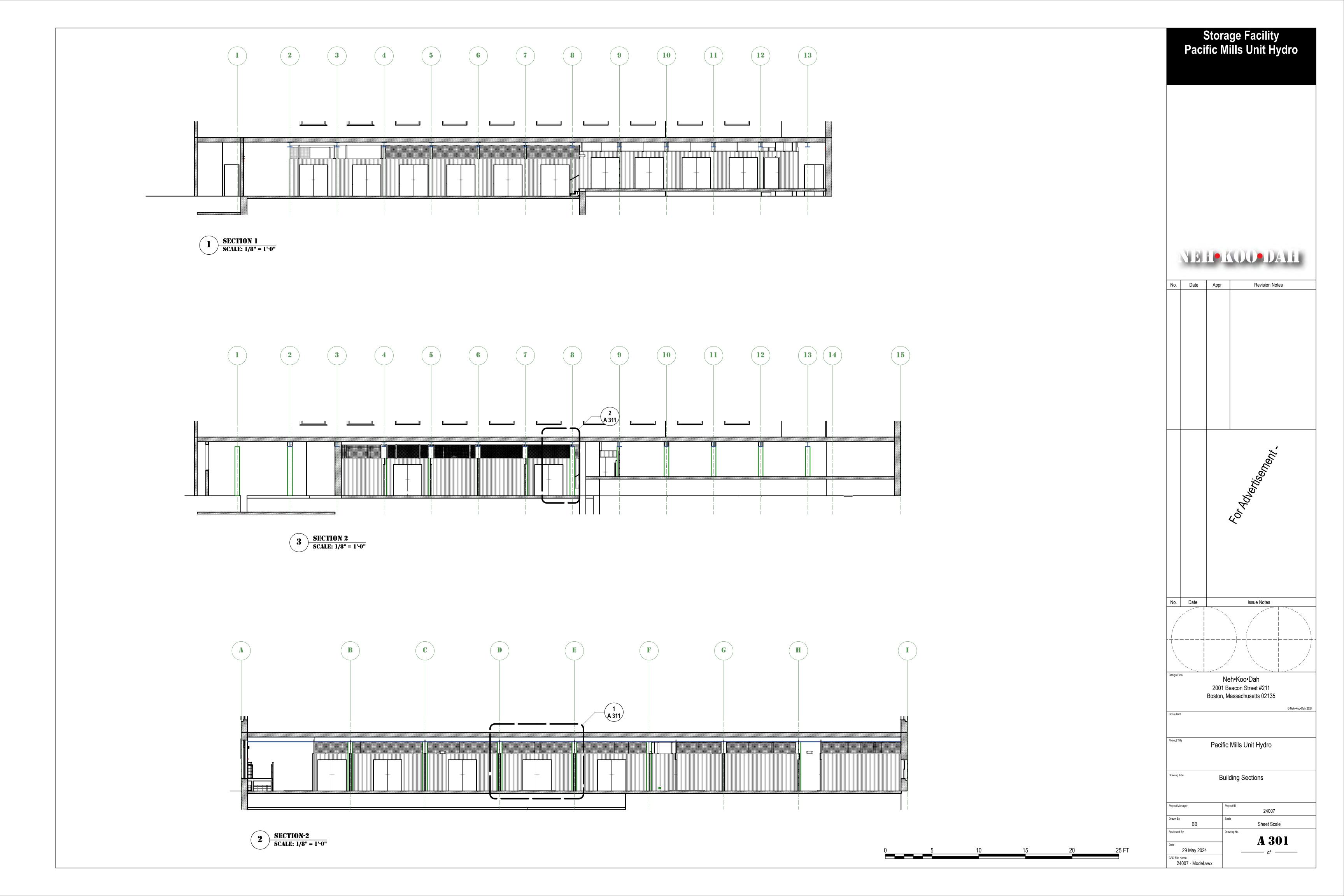
Storage Facility Pacific Mills Unit Hydro NBH PKUUP DA H Date Appr Revision Notes No. Date Neh•Koo•Dah 2001 Beacon Street #211 Boston, Massachusetts 02135 Pacific Mills Unit Hydro Drawing Title Project Manager 24007 BB Sheet Scale Reviewed By

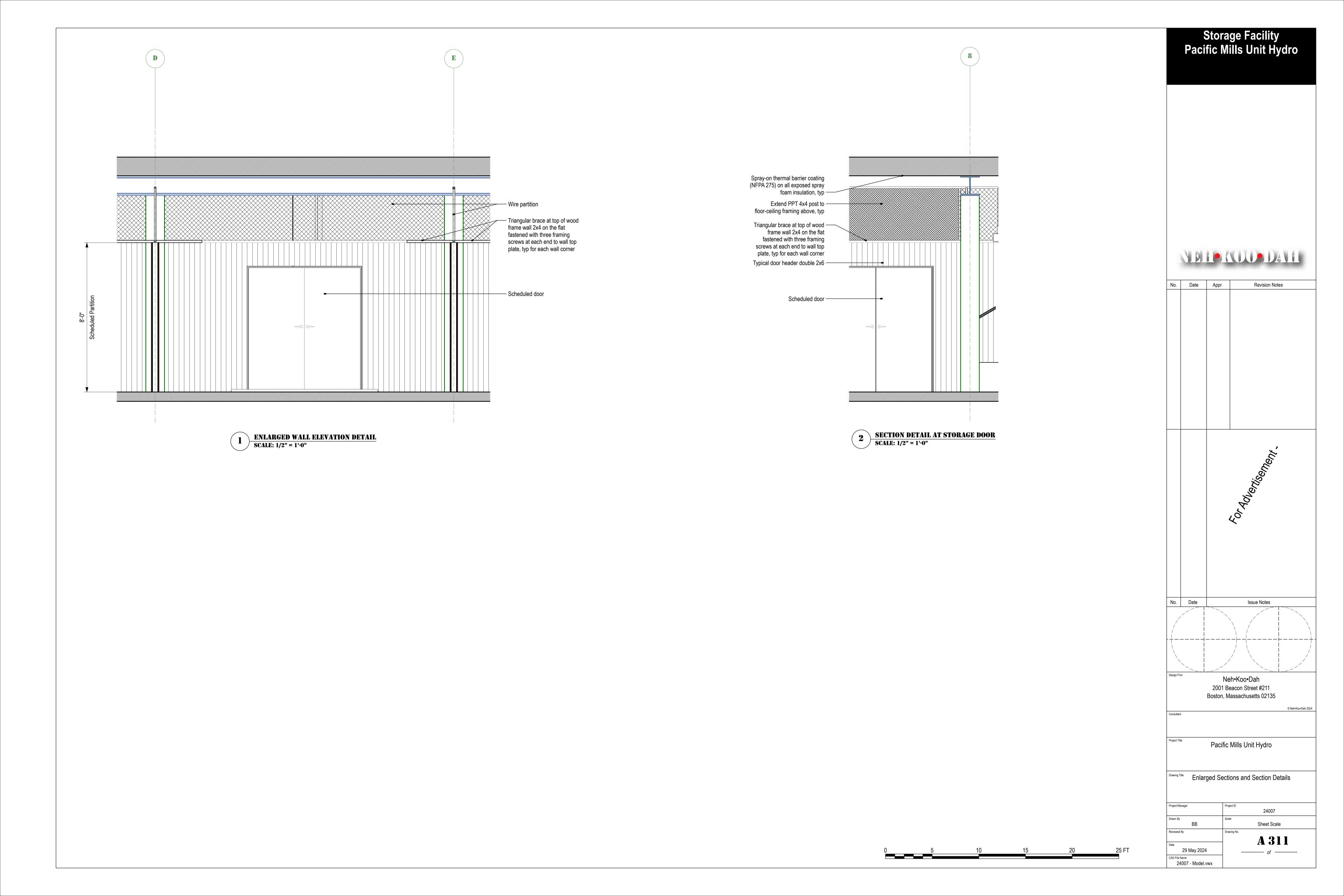
A 002

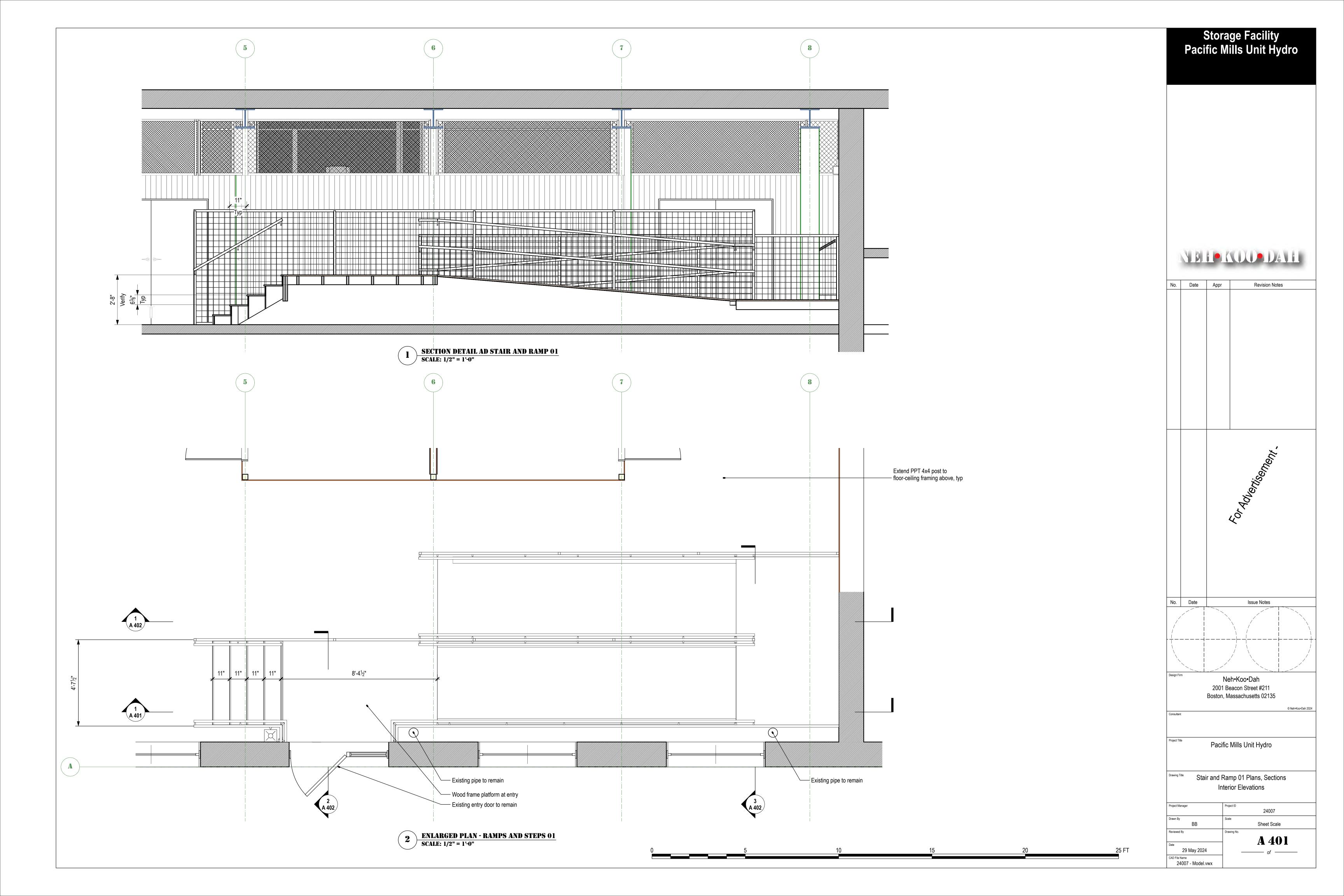
29 May 2024

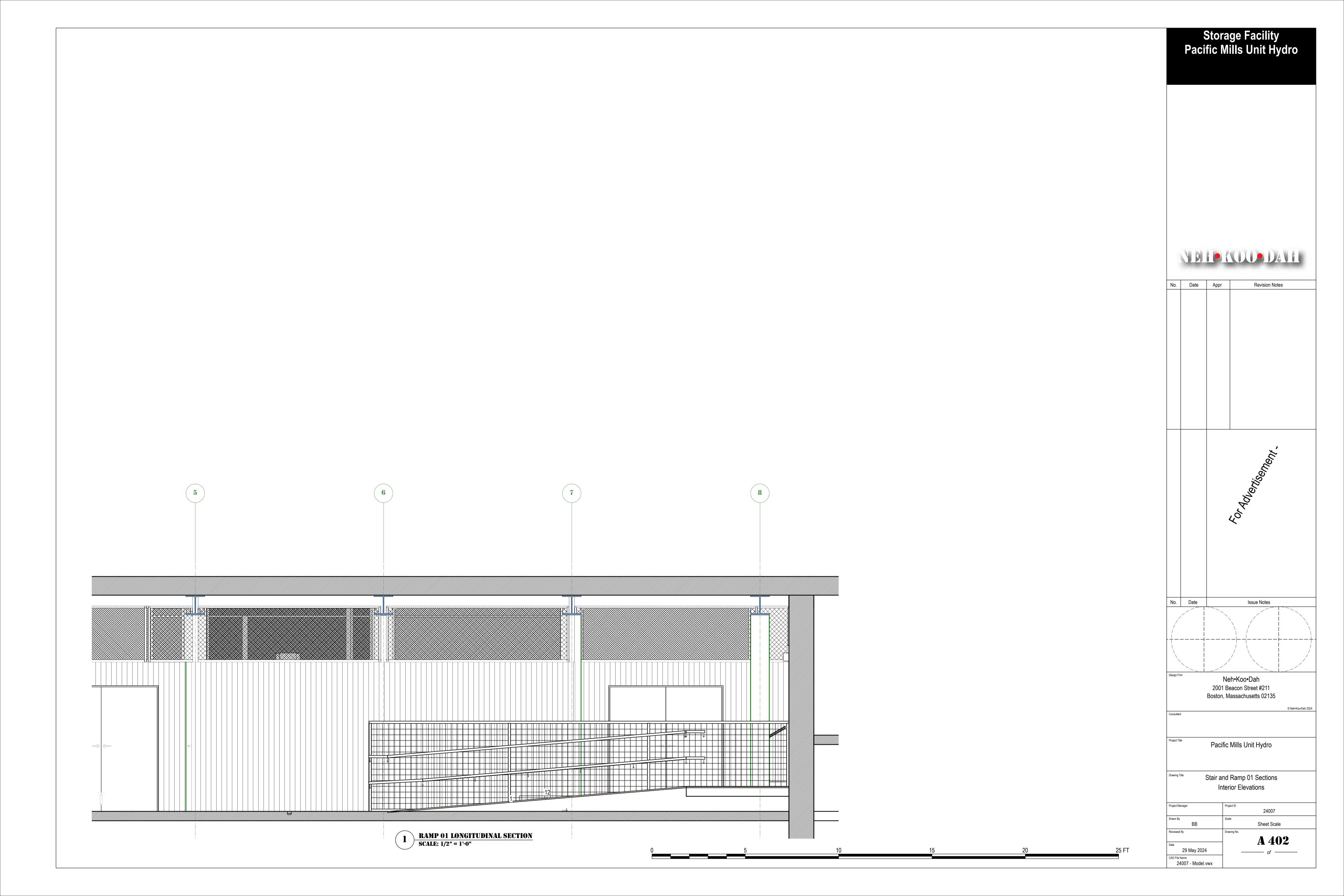


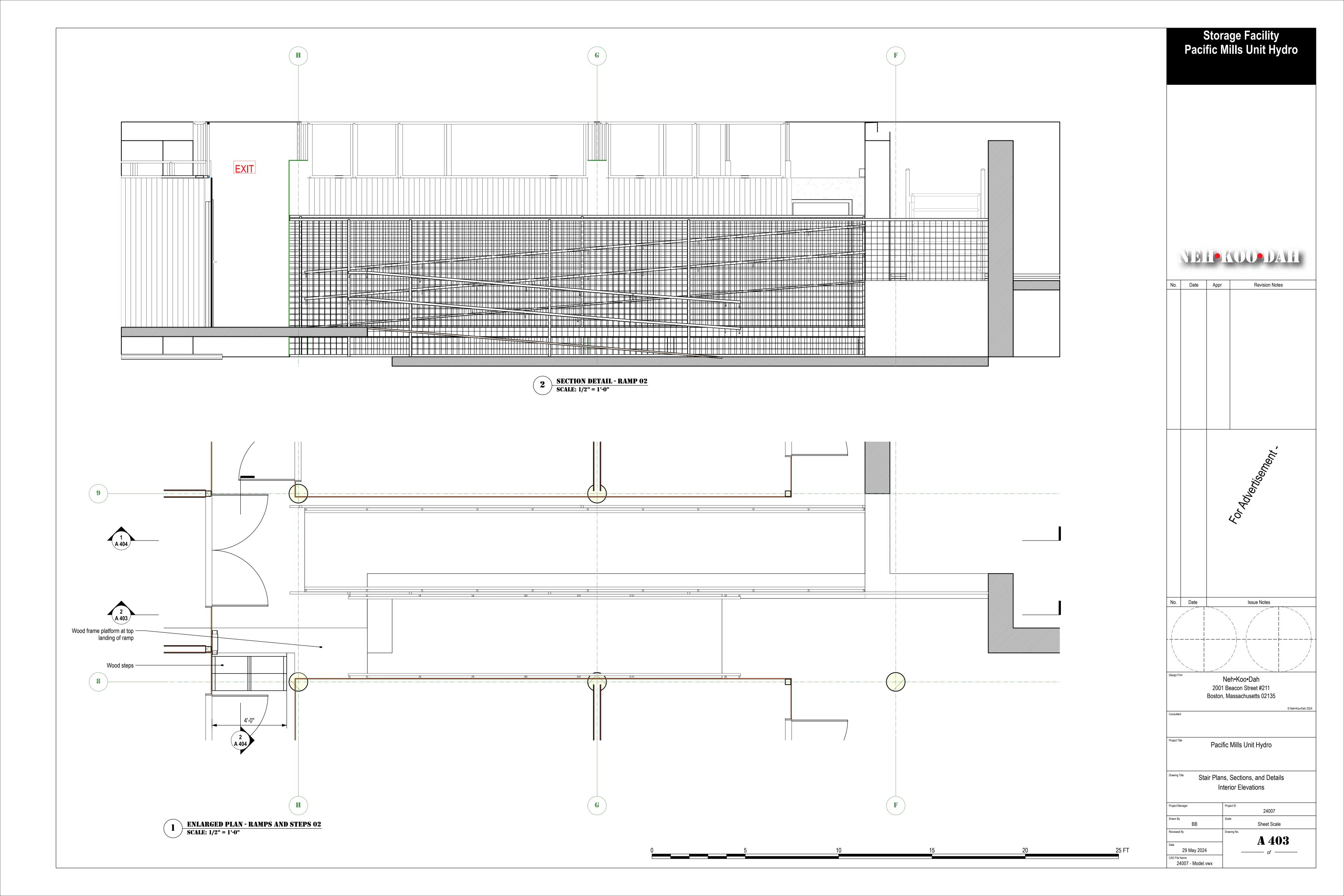


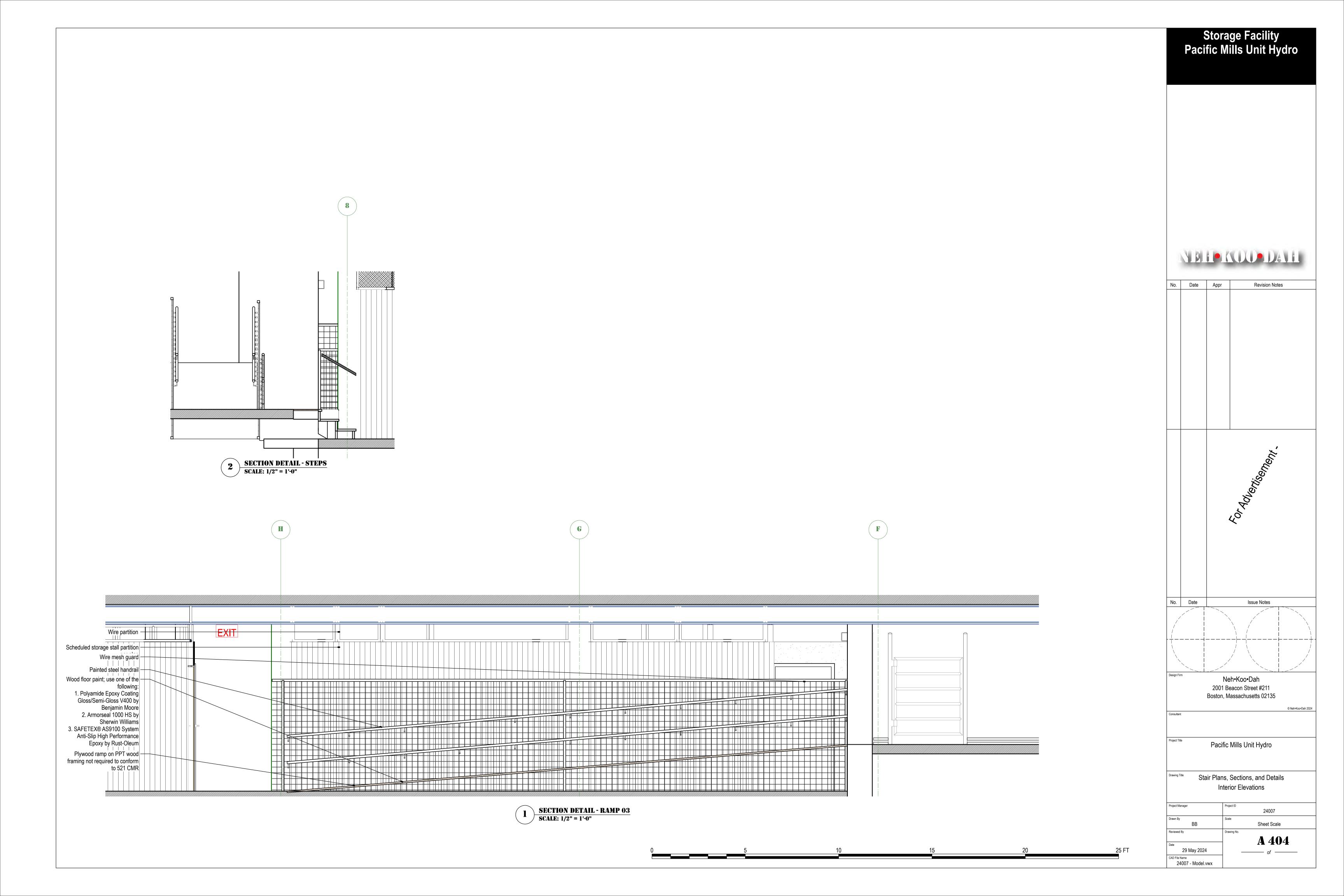


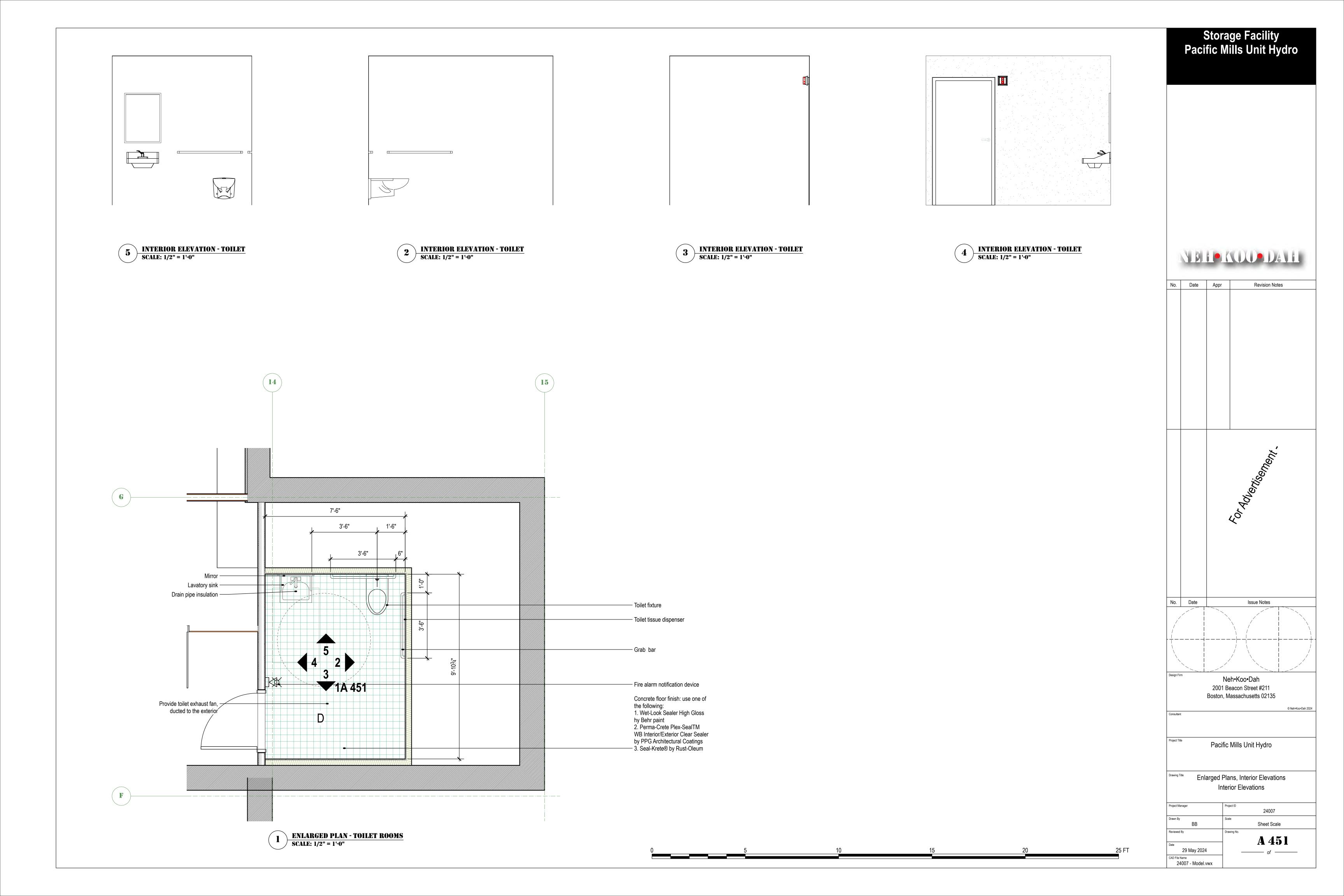


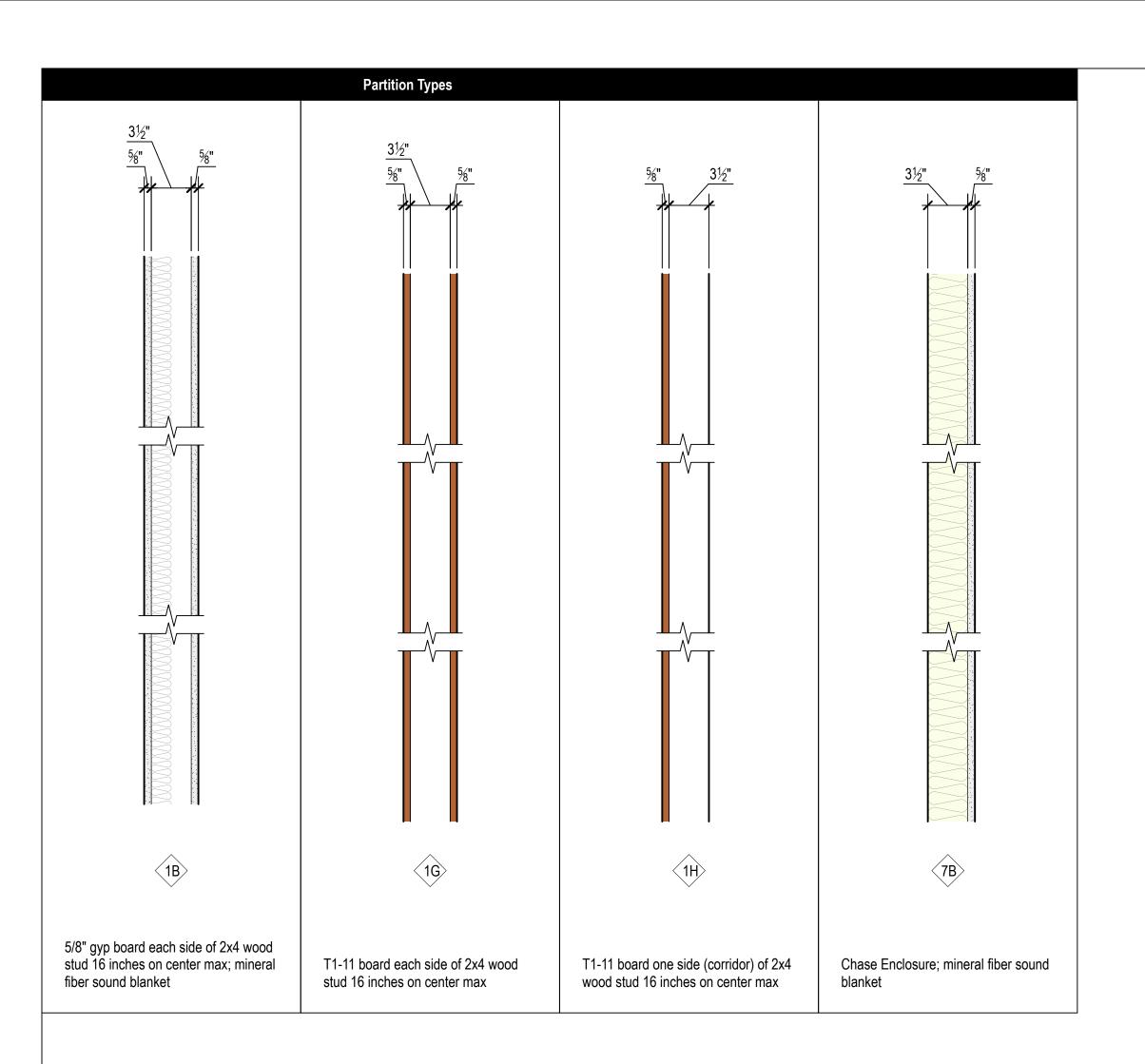












Note: all wall framing preservative tressure treated.

Storage Facility
Pacific Mills Unit Hydro

NBH-KOO-DAH

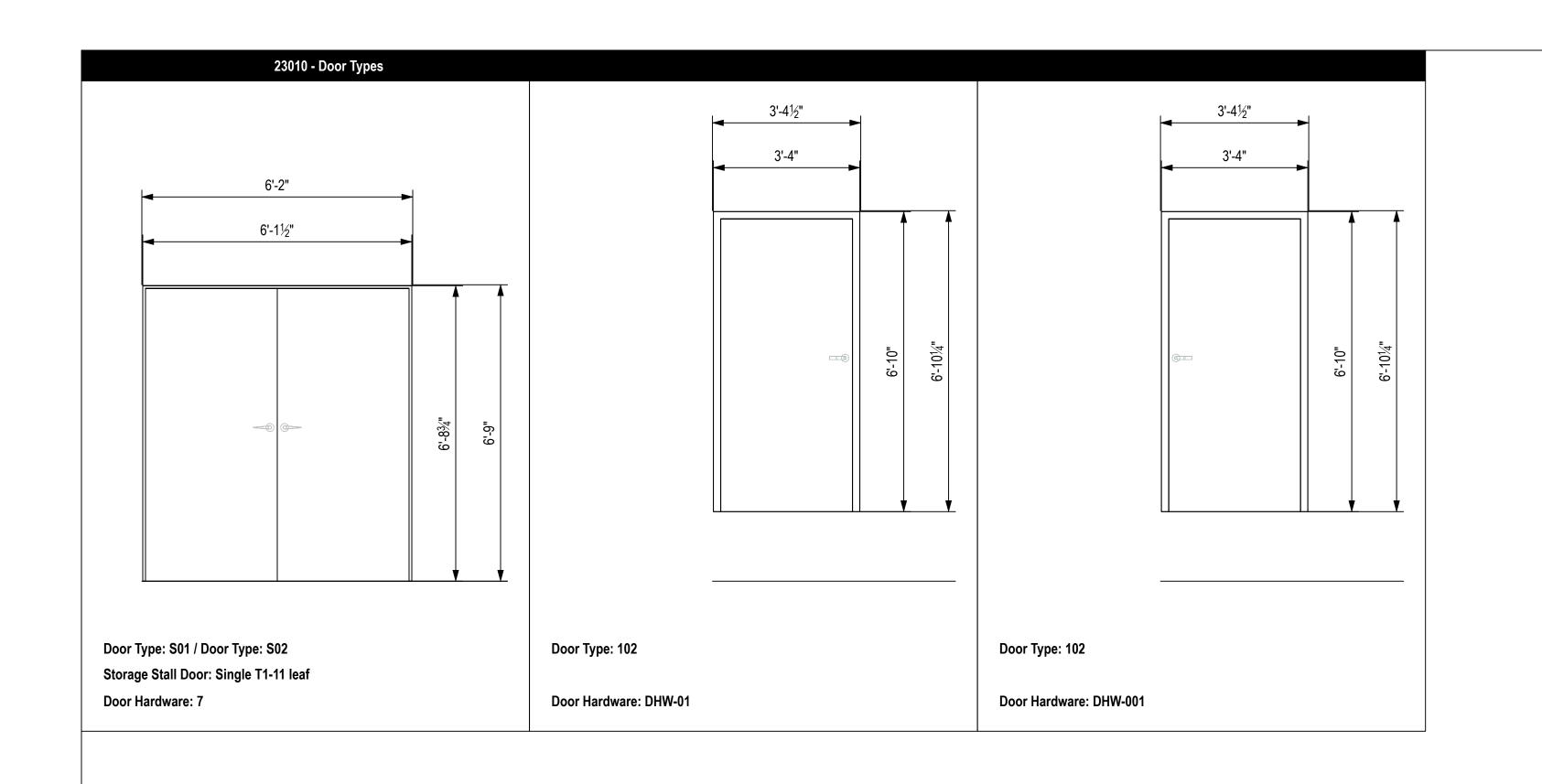
No.	Date			
		Appr	Revision Note	es
			Or Advertisement.	
			1/3/	
			1	
			40	
No.	Date		Issue Notes	
No.	Date		Issue Notes	
No.	Date		Issue Notes	
No.	Date		Issue Notes	
No.	Date		Issue Notes	
No.			eh•Koo•Dah	
		2001 Be		

Pacific Mills Unit Hydro

Partition Types Interior Elevations 24007

BB Sheet Scale A 601 29 May 2024

CAD File Name 24007 - Model.vwx



Door Hardware Legend

ID Description

NA NKD - Existing Door Hardware to Remain

HDW-3 Passage lockset w/ closer

NKD - Storage Cube Door 01

DHW-01 NKD - Commercial Storage with Closer

DHW-001 NKD - Commercial Toilet with Closer 1 1/2 pair Heavy Duty

Hinge Qty

Hinge Type

1 1/2 pair Hager #1279
3 per Leaf Heavy Duty Strap Hinge

Heavy Duty

Lock Basis-of-Design

Schlage S10D x SAT x 626

Storage Function
Storage



NBH-KOO-DAH

	Date	Appr	Revision Note	·S
			Sor Advertisement.	
		•	40	
No.	Date		Issue Notes	
No.		Ne 2001 Be		

Pacific Mills Unit Hydro

Door Schedule Interior Elevations

Notes	Project Manager	Project ID
		24007
shed chrome finish	Drawn By BB	Sheet Scale
sned chrome imism	Reviewed By	Drawing No.
	Date	A 611

Closer Basis-of-Design Stop Basis-of-Design

"L.C.N. 40"" Regular Arm" Ives #407 1/2 x US 26D

LCN 4040

Schlage ND Series Storage Function LCN 4040XP Series Closer

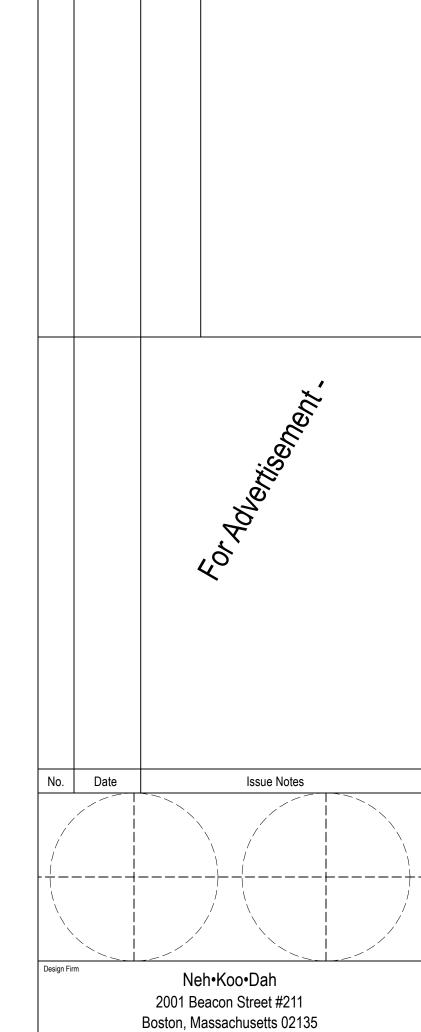
Key Code

29 May 2024 CAD File Name 24007 - Model.vwx

	nages	Non	ninal Size			Wind	ow Style			Sill	Shutt	ers Gla	ess	Frame Deta	ils		Openii	ings		Wi	ndow Data					Pa	Storage Facility acific Mills Unit Hyd
		Width	Height					som Sash			ior	rior	; ; ;	d Detail)etail	ss Win	-leight	O Width	O Height								
Image	Mark	0 Y.	0.A.	Configura	tion	Shape	Top Shape	Tran:	Muntin Pattern		Interi	Exter		Jamb	Sill D	Egre RO V	ROH	Mas	Mas	Mfr	Model No	D.	Accessories		Comments		
	W- 01	12	5'6"	Custom N/A	A R	Rectangle	Square	- Coloni	ial	Timber	-	-			F	FALSE 12'0 1/	<u>/2" 5'6 1</u>	1/2" 12'8'	6'0"								
	W- 01	12	5'6"	Custom N//	A R	Rectangle	Square	- Coloni	ial	Timber	-	-			F	FALSE 12'0 1/	<u>//2" 5'6 1</u>	1/2" 12'8'	6'0"								
	W- 01	12	.'0" 5'6" (Custom N/A	A R	Rectangle	Square	- Coloni	ial	Timber	-	-			F	FALSE 12'0 1/	<u>/2" 5'6 1</u>	1/2" 12'8'	6'0"								
	W- 01	12	<u>''0" 5'6" </u>	Custom N//	A R	Rectangle	Square	- Coloni	ial	Timber	-	-			F	FALSE 12'0 1/	<u>//2" 5'6 1</u>	1/2" 12'8'	6'0"								
	W- 01	12	'0" 5'6"	Custom N/	A R	Rectangle	Square	- Coloni	ial	Timber	_	-			F	FALSE 12'0 1/	/2" 5'6 1	1/2" 12'8'	6'0"							N	BIFF KOOD DA
	W- 01			Custom N/A						Timber						FALSE 12'0 1/										No. Da	Pate Appr Revision Notes
							9433				-	-															
	W- 01	12	<u>''0" 5'6"</u>	Custom N/A	A R	Rectangle	Square	- Coloni	ial	Timber	-	-			F	FALSE 12'0 1/	5'6 1	<u>1/2" 12'8'</u>	6'0"								
	W- 01	12	5'6"	Custom N/A	A R	Rectangle	Square	- Coloni	ial	Timber	-	-			F	FALSE 12'0 1/	<u>/2" 5'6 1</u>	1/2" 12'8'	6'0"								
																											Wischent.
																											For Advertisement.
																											7000
																											7000
																										No. Da	FO-AOVO,
																											FO-AOVO,
																											ate Issue Notes
																											Neh•Koo•Dah 2001 Beacon Street #211 Boston, Massachusetts 02135
																											Neh•Koo•Dah 2001 Beacon Street #211
																										Design Firm	Neh•Koo•Dah 2001 Beacon Street #211 Boston, Massachusetts 02135
																										Design Firm Consultant	Neh•Koo•Dah 2001 Beacon Street #211 Boston, Massachusetts 02135
																										Design Firm Consultant Project Title	Neh•Koo•Dah 2001 Beacon Street #211 Boston, Massachusetts 02135 Pacific Mills Unit Hydro Window Schedule
																										Design Firm Consultant Project Title Drawing Title Project Manager Drawn By E Reviewed By Date	Neh•Koo•Dah 2001 Beacon Street #211 Boston, Massachusetts 02135 Pacific Mills Unit Hydro Window Schedule Interior Elevations

Promise Note Note Supple Supp	24007 - Room Finish Schedule							
12 Strape Inc. 12 Strape Inc. 12 Strape Inc. 13 St		Floor			Wall			
Secure CCC1 X X Y Y Y Y Y Y Y	mber Room Name	Matl		North	East	South	West	Ceiling
Storage PATCH PATCY for companies to Boston Security for Storage Security for Sto	Storage	IVCT-21 18" X 18" vinyl composition tile flooring		[T1-11] T1-11 Siding Primed and Painted		IT1-111 T1-11 Siding Primed and Painted		[None] No Ceiling - Open to Above
13.5 Storage	•				 	· · · · · · · · · · · · · · · · · · ·		[None] No Ceiling - Open to Above
19 Sovers CCT W. F. S. A. Sovers CCT W. So								[None] No Ceiling - Open to Above
Screen	.,			·				[None] No Ceiling - Open to Above
15.5 Shapes								[None] No Ceiling - Open to Above
Source File			•			· · · · · · · · · · · · · · · · · · ·		[None] No Ceiling - Open to Above
Storage							i i i	[None] No Ceiling - Open to Above
1938 Storage NCC2 18 K If Year composition in forcing 185-11 Storag Primer and Planted 11-111-11 Storag Primer	.,		<u> </u>	·				[None] No Ceiling - Open to Above
10.5 Source OCT-2118 X. M. Per composition for forms BRC-114 Feather State - Cover Ti-1111-11 Sides Primes are Pariety Ti-11111-11 Sid								[None] No Ceiling - Open to Above
19. Sonage Port 21 BY X PF with composition to Brown 180 CH PF selected Base - Coxed TH-1111-11 Sing Primes and Pariset TH-11111-11 Sing Primes and Pariset TH-1111-11 Sing Primes and Pariset TH-1111-11 Sing Primes and	.,		•	· · · · · · · · · · · · · · · · · · ·				[None] No Ceiling - Open to Above
Stronge MCT-19 18 X 18° unit composition in Bottom (SCC) 12° Resilient States - Coverd (T-11) T1-11 Siding Primed and Painted (T-11) T1					<u>'</u>		<u> </u>	[None] No Ceiling - Open to Above
15 Stronge PCC-2 F. X 3 wind companyation for forcing RSC-14 Problem Basin - Coved TH-111-11 Sider Printers and Particut TH-1111-11 Sider Printer			•		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		[None] No Ceiling - Open to Above
Screek NCC12 (# X R vivo) connectation tells forcing Rec-1 R resiluted fixes - Coxed T-111 T-11 Siding Primed and Painted							i i i	[None] No Ceiling - Open to Above
15. Storage OCT_2 18 \times 3 \times OCT_2 18 \times OCT_2 18 \times 3 \times OCT_2 OC			· · · · · · · · · · · · · · · · · · ·	·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	•	[None] No Ceiling - Open to Above
Stronge VicT.2 FX 18" wind composition 16 forms BBC-11" Statistic States - Coved T1-11" T1-11" Statish Primers and Partnet T1-11" Statish Primers			· · · · · · · · · · · · · · · · · · ·					[None] No Ceiling - Open to Above
Storage	.,		•	·	· · · · · · · · · · · · · · · · · · ·			[None] No Ceiling - Open to Above
Storage								[None] No Ceiling - Open to Above
Storage			•		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		[None] No Ceiling - Open to Above
							i i i	[None] No Ceiling - Open to Above
Storage NCT-2 8" X 18" vm/ composition the flooring BBC-1 4" Realient Base - Coved T1-11T1-11 Siding Primed and Painted T	.,		<u> </u>	·	 			[None] No Ceiling - Open to Above
Storage ViCT-2 18" x 18" wind composition lie flooring RRC-14" Resilient Base - Coved T1-1111-11 Sidne Primed and Painted T1-11111-11 Sidne Primed and Painted T1-11111-11 Sidne Primed and Painted T1-11111-11								[None] No Ceiling - Open to Above
Storage VCT-218 X 18" virty composition tile flororing BRC-114" Resilient Base - Coved T1-111 T1-11 Siding Primed and Painted T1-111T1-11 Siding Primed and Pa			•	·	· · · · · · · · · · · · · · · · · · ·		•	[None] No Ceiling - Open to Above
Storage VCT-218' X 15' vivil composition it leform BRC-114' Resilient Base - Coved T1-11T1-11 Sidno Primed and Painted T1-11T1-11 Sidno Pr			· · · · · · · · · · · · · · · · · · ·					[None] No Ceiling - Open to Above
Storage MCT-2] IB X 18" viny composition tile flooring RBC-114" Resilient Base - Coved T1-1111-11 String Primed and Painted T1-						· · · · · · · · · · · · · · · · · · ·		[None] No Ceiling - Open to Above
Storage IVCT-2 IB X 18" vinyl composition lile flooring IBRC-114" Resilient Base - Coved IT-11 IT-11 Siding Primed and Painted IT-11 IT-11 Siding P						· · · · · · · · · · · · · · · · · · ·		[None] No Ceiling - Open to Above
Storage VCT-2 16" X 18" vinyl composition tile flooring BRC-114" Resilient Base - Coved T1-111T1-11 Siding Primed and Painted T1-11T1-11 Siding Primed and Painted						· · · · · · · · · · · · · · · · · · ·		[None] No Ceiling - Open to Above
Storage VCT-2 18" X 18" vinyl composition tile flooring BRC-114" Resilient Base - Coved T1-11 T1-11 Siding Primed and Painted T1-11 T1-11 Siding Primed and								[None] No Ceiling - Open to Above
Storage NCT-2 16" X 18" vinyl composition tile flooring BRC-114" Resilient Base - Coved T1-111T1-11 Siding Primed and Painted T1-111T1-11 Siding Primed an			<u> </u>	•		· · · · · · · · · · · · · · · · · · ·		[None] No Ceiling - Open to Above
Storage VCT-21 18" X 18" vinyl composition tile flooring IBRC-11 4" Resilient Base - Coved IT-11] T1-11 Siding Primed and Painted IT-11			<u> </u>					[None] No Ceiling - Open to Above
Storage VCT-21 18" x 18" viryl composition tile flooring IBRC-114" Resilient Base - Coved T1-11] T1-11 Siding Primed and Painted T1-11] T1-11 Siding Pri			•					[None] No Ceiling - Open to Above
Storage VCT-2 18" X 18" vinyl composition tile flooring IBRC-1 4" Resilient Base - Coved IT1-111 T1-11 Siding Primed and Painted IT1-111 T1-11 Sid						<u> </u>		[None] No Ceiling - Open to Above
Storage VCT-2 18" X 18" vinyl composition tile flooring BRC-1 4" Resilient Base - Coved T1-11] T1-11 Siding Primed and Painted T1-11] T1-11 Siding Pri	1			•				[None] No Ceiling - Open to Above
Storage VCT-2 18" X 18" vinyl composition tile flooring BRC-1 4" Resilient Base - Coved T1-11 T1-11 Siding Primed and Painted T1-11 T1-11 Siding Pri								[None] No Ceiling - Open to Above
Storage VCT-2 18" X 18" vinyl composition tile flooring IBRC-1 4" Resilient Base - Coved IT1-11 T1-11 Siding Primed and Painted IT1-11 T1-11 Sid	•		•					[None] No Ceiling - Open to Above
Storage VCT-2 18" X 18" vinyl composition tile flooring BRC-1 4" Resilient Base - Coved T1-11 T1-11 Siding Primed and Painted T1-11 T1-11 Siding Pri						· · · · · · · · · · · · · · · · · · ·		[None] No Ceiling - Open to Above
Storage VCT-2 18" X 18" vinyl composition tile flooring BRC-1 4" Resilient Base - Coved T1-11 T1-11 Siding Primed and Painted T1-11 T1-11 Siding Pri			•					[None] No Ceiling - Open to Above
Storage VCT-2 18" X 18" vinyl composition tile flooring [BRC-1] 4" Resilient Base - Coved [T1-11] T1-11 Siding Primed and Painted [T1-11] T1-11 Sid								[None] No Ceiling - Open to Above
Office VCT-2 18" X 18" vinyl composition tile flooring ERC-1 4" Resilient Base - Coved T1-11 T1-11 Siding Primed and Painted T1-11 T1-11 Siding Prim	1		•	•		· · · · · · · · · · · · · · · · · · ·		[None] No Ceiling - Open to Above
Storage IVCT-2 18" X 18" vinyl composition tile flooring BRC-1 4" Resilient Base - Coved IT1-11 T1-11 Siding Primed and Painted IT1-11 T1-11 Sid								[None] No Ceiling - Open to Above
Storage [VCT-2] 18" X 18" vinyl composition tile flooring [BRC-1] 4" Resilient Base - Coved [T1-11] T1-11 Siding Primed and Painted [T1-11] T1-11 Siding Primed and Pa			•			· · · · · · · · · · · · · · · · · · ·		[None] No Ceiling - Open to Above
Storage [VCT-2] 18" X 18" vinyl composition tile flooring [BRC-1] 4" Resilient Base - Coved [T1-11] T1-11 Siding Primed and Painted [T1-11] T1-11 Siding Primed and Pa			<u> </u>					[None] No Ceiling - Open to Above
File Storage [VCT-2] 18" X 18" vinyl composition tile flooring [BRC-1] 4" Resilient Base - Coved [T1-11] T1-11 Siding Primed and Painted [T1-11] T1-11 Siding Primed a			•					[None] No Ceiling - Open to Above
Storage [VCT-2] 18" X 18" vinyl composition tile flooring [BRC-1] 4" Resilient Base - Coved [T1-11] T1-11 Siding Primed and Painted [T1-11] T1-11 Siding Primed and Pa			- · 			•		[None] No Ceiling - Open to Above
171 Toilet [VCT-2] 18" X 18" vinyl composition tile flooring [BRC-1] 4" Resilient Base - Coved [T1-11] T1-11 Siding Primed and Painted [T1-11] T1-11 Siding Primed and Painted [T1-11] T1-11 Siding Primed and Painted								[None] No Ceiling - Open to Above
								[None] No Ceiling - Open to Above
01 Storage [VCT-2] 18" X 18" vinyl composition tile flooring [BRC-1] 4" Resilient Base - Coved [T1-11] T1-11 Siding Primed and Painted [T1-11] T1-11	<u> </u>		<u> </u>		[T1-11] T1-11 Siding Primed and Painted	[T1-11] T1-11 Siding Primed and Painted	[T1-11] T1-11 Siding Primed and Painted	
			<u> </u>					[None] No Ceiling - Open to Above
							[T1-11] T1-11 Siding Primed and Painted [T1-11] T1-11 Siding Primed and Painted	[None] No Ceiling - Open to Above [None] No Ceiling - Open to Above

Storage Facility Pacific Mills Unit Hydro No. Date Appr Revision Notes



Pacific Mills Unit Hydro

Room Finish Schedule Interior Elevations

BB

29 May 2024

CAD File Name 24007 - Model.vwx 24007

Sheet Scale

A 631