

VICINITY MAP  
SCALE: N.T.S.



THE GOLD STAR  
MEMORIAL HIGHWAY

MAINE TURNPIKE AUTHORITY

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JANE L. LINCOLN, VICE CHAIR  
EMILY N. BECKER, MEMBER  
NINA A. FISHER, MEMBER  
ANDREW J. MCLEAN, MEMBER  
THOMAS J. ZUKE, MEMEBER

DALE F. DOUGHTY,  
MAINEDOT EX-OFFICIO

ANDRE J. BRIERE, EXECUTIVE DIRECTOR

CONTRACT 2026.08  
KENNEBUNK MAINTENANCE  
FIRE PROTECTION MITIGATION  
MILE 25.3

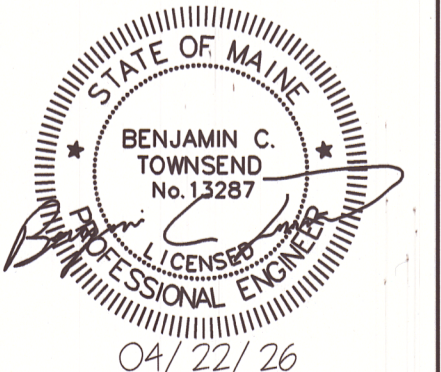


APPROVED: MAINE TURNPIKE AUTHORITY

4/24/26

STEPHEN R. TARTRE P.E. -DIRECTOR OF ENGINEERING

DATE



Scale: AS NOTED

Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753



47A York St  
Portland, ME  
04101  
207.553.7753



THE GOLD STAR  
MEMORIAL HIGHWAY

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY

COVER SHEET

MTA PROJECT MANAGER: JACQUELINE HANSEN

CONTRACT: 2026.08

SHEET NUMBER: G-001

1 OF 62

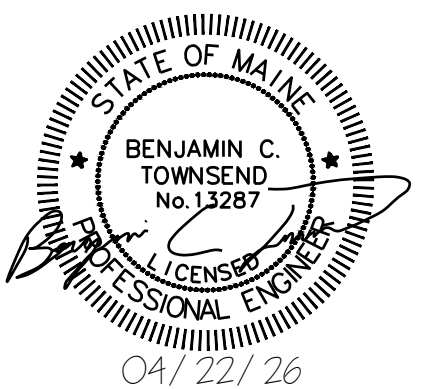
No.	Revision	By	Date
0	FINAL IFC SUBMISSION	MJK	04/22/26

CONSULTANT PROJECT MANAGER: MIKE KELLEY			
By	Date	By	Date
Designed		Checked	MJK
Drawn	SBC	In Charge of	

CONTRACT 2026.08

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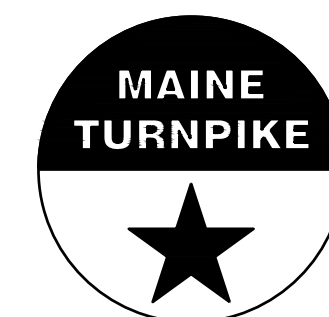


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Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753



47A York St  
Portland, ME  
04101  
207.553.7753



**THE GOLD STAR  
MEMORIAL HIGHWAY**

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**SHEET INDEX**

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

CONSULTANT PROJECT MANAGER: MIKE KELLEY

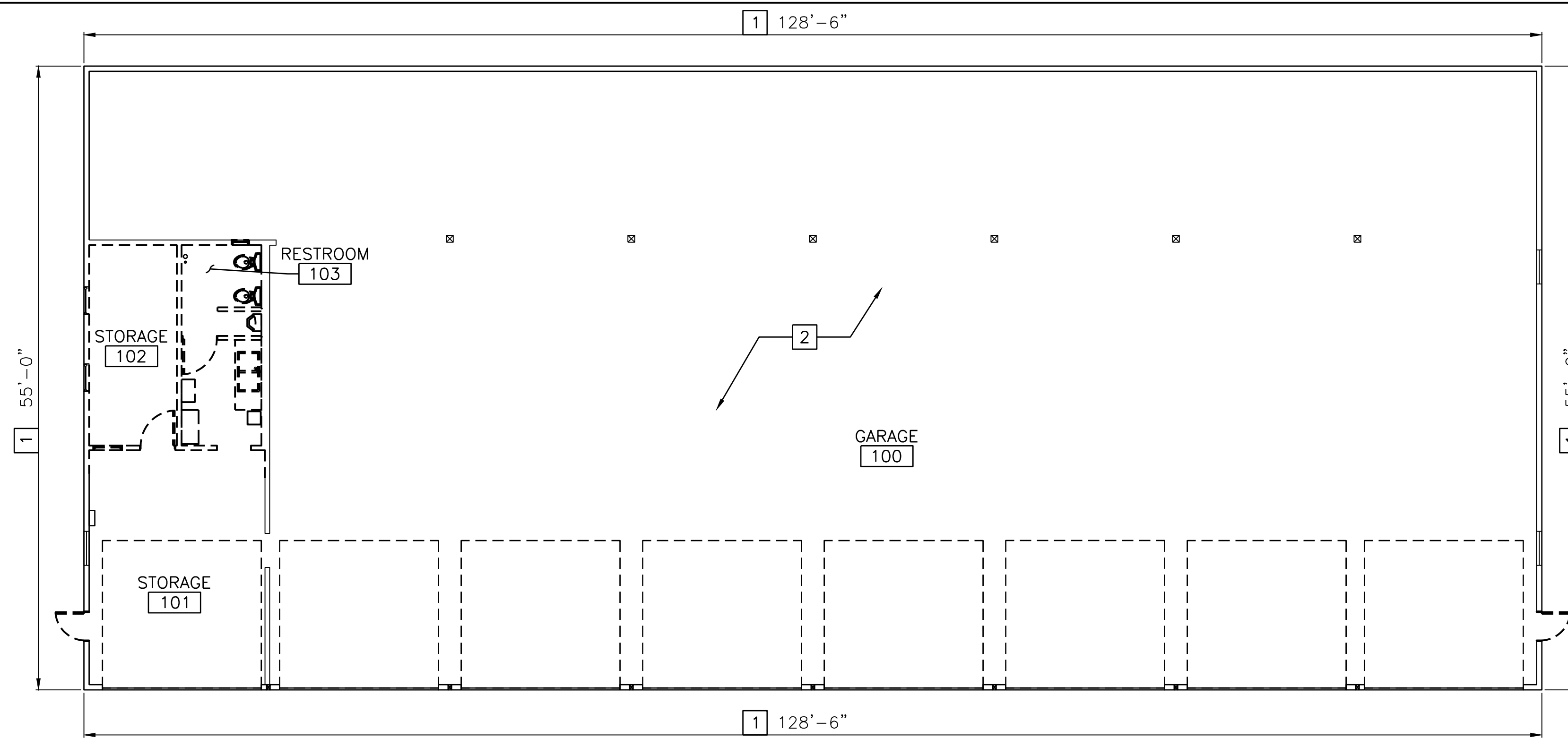
By	Date	By	Date
Designed		Checked	MJK
Drawn	SBC	In Charge of	

MTA PROJECT MANAGER: JACQUELINE HANSEN

CONTRACT: 2026.08

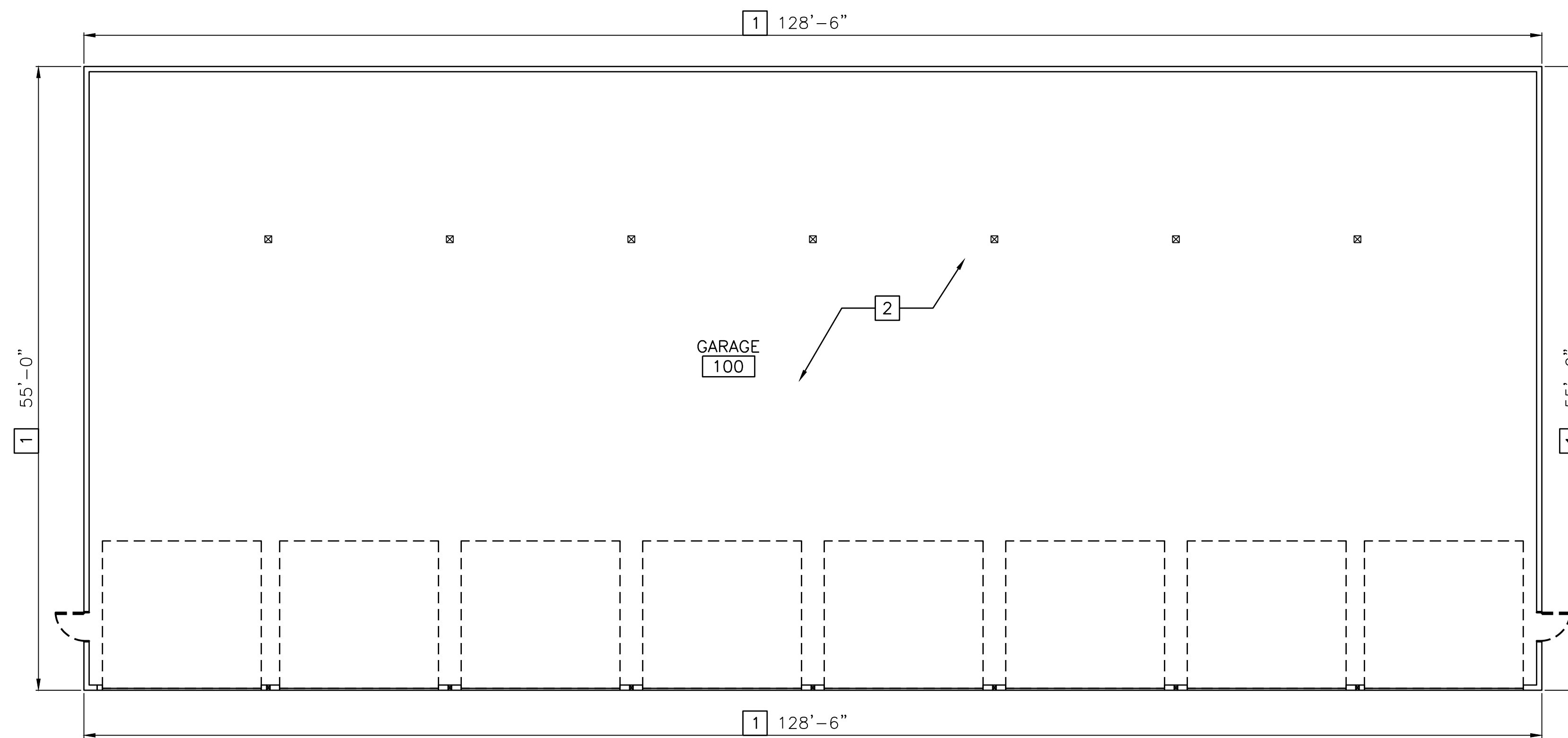
SHEET NUMBER: G-002

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8 BAY NORTH HAZARDOUS MATERIALS PLAN

SCALE: 1/8" = 1'-0"



8 BAY SOUTH HAZARDOUS MATERIALS PLAN

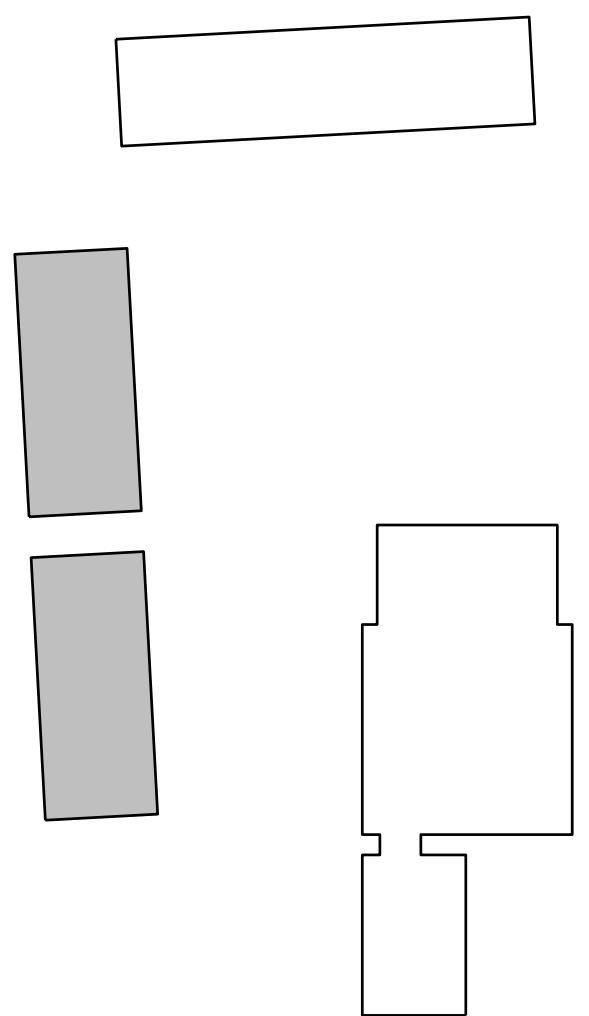
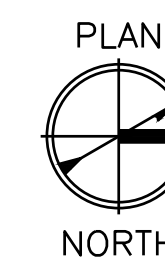
SCALE: 1/8" = 1'-0"

**HAZARDOUS MATERIALS NOTES:**

1. REFER TO THE HAZARDOUS MATERIALS REPORT IN THE SPECIFICATIONS FOR ADDITIONAL INFORMATION. THE HAZARDOUS MATERIALS REPORT INCLUDES DESCRIPTIONS AND GENERAL LOCATIONS OF HAZARDOUS MATERIALS. QUANTITIES OF HAZARDOUS MATERIALS IN THE REPORT ARE FOR INFORMATION ONLY AND DO NOT REPRESENT THE QUANTITY OF HAZARDOUS MATERIALS TO BE REMOVED. DETERMINE QUANTITIES OF HAZARDOUS MATERIALS TO BE REMOVED TO ACCOMPLISH THE PROJECT SCOPE.
2. ADDRESS THE SURFACES CONTAINING LEAD BASED PAINTS THAT ARE IMPACTED BY THE PROJECT IN ACCORDANCE WITH SPECIFICATION 028300 LEAD REMEDIATION. REFER TO ANY APPLICABLE MAINE LAWS/REGULATIONS FOR THE DEMOLITION OF PAINTED COMPONENTS OR SURFACE COATINGS. SEE DISCIPLINE SPECIFIC DRAWINGS TO DETERMINE EXTENT OF DEMOLITION IN REGARDS TO HAZARDOUS MATERIALS.
3. TAKE ALL NECESSARY PRECAUTIONS TO REMOVE AND DUMP HAZARDOUS MATERIALS OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. REFER TO SPECIFICATIONS 015719 TEMPORARY ENVIRONMENTAL CONTROLS FOR INSTRUCTIONS ON THE PROPER HANDLING AND DISPOSAL OF LEAD CONTAINING COMPONENTS.

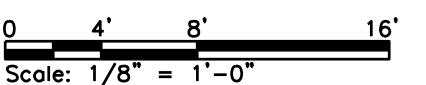
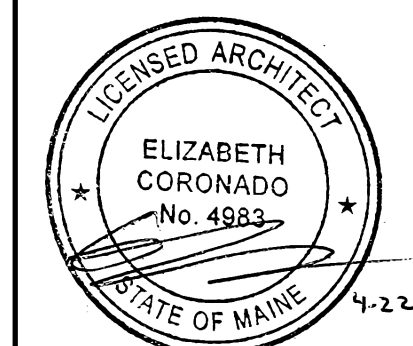
**HAZARDOUS MATERIALS:**

- 1 LCP: GREEN LEAD CONTAINING PAINT ON NORTH AND SOUTH BUILDINGS EXTERIOR METAL SIDING
- 2 LCP: WHITE LEAD CONTAINING PAINT ON NORTH AND SOUTH BUILDINGS WOODEN CEILINGS



KEY PLAN

SCALE: NOT TO SCALE



Scale: AS NOTED

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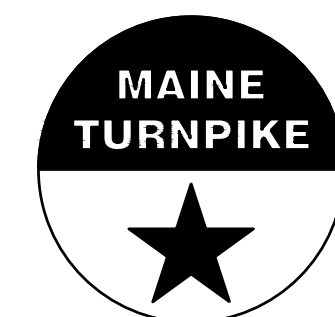
CONSULTANT PROJECT MANAGER: MIKE KELLEY

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	By	Date	By	Date	
Designed	SRP	04/17/2026	Checked	EAC	04/17/2026
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47A York St  
Portland, ME  
04101  
207.553.7753



**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
HAZARDOUS MATERIALS PLAN - 8 BAY NORTH &  
SOUTH**

SHEET NUMBER: H-101

CONTRACT: 2026.08

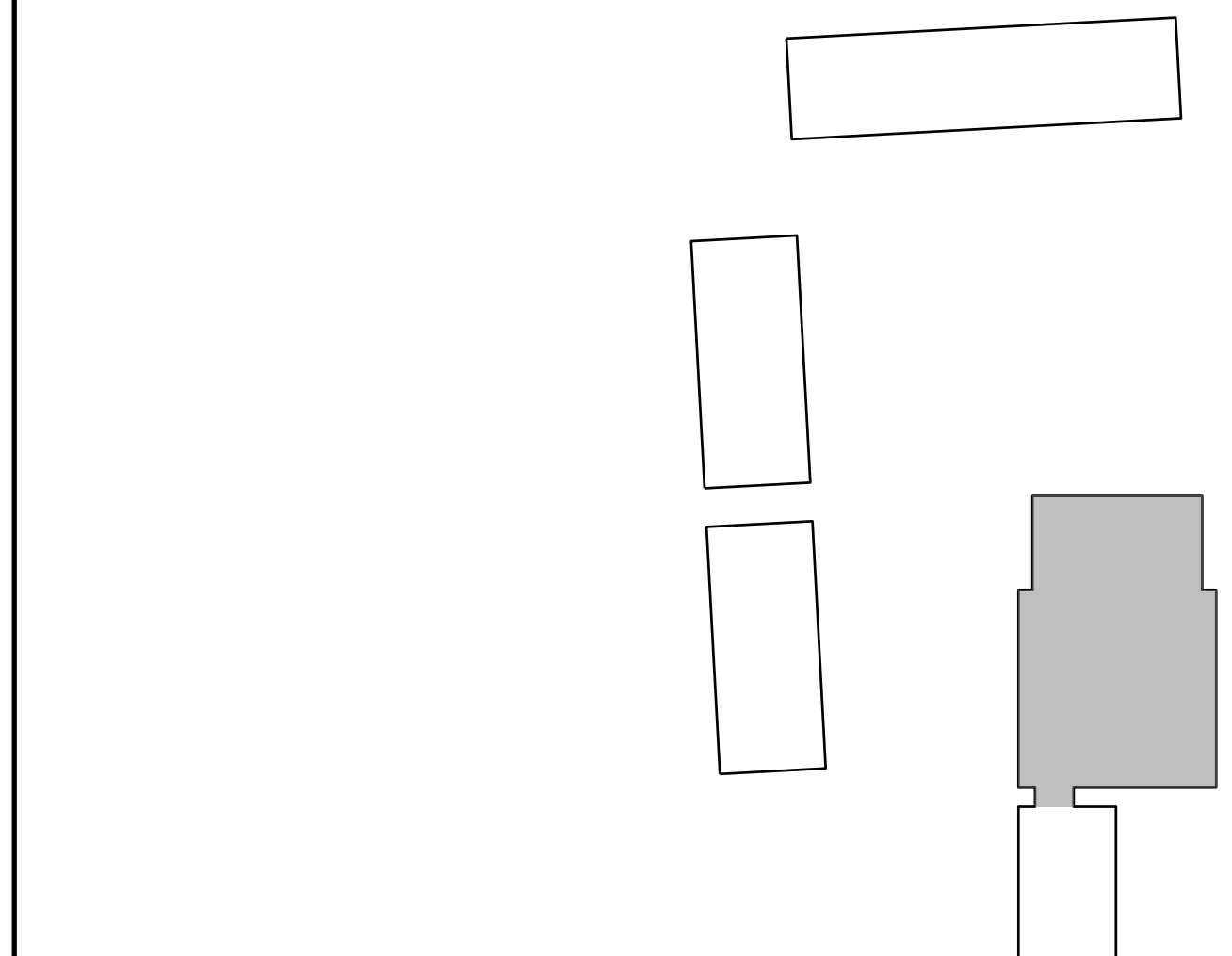
3 OF 62

**HAZARDOUS MATERIALS NOTES:**

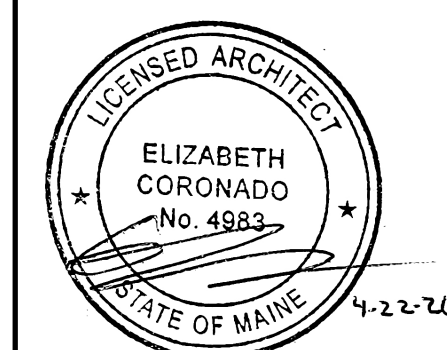
1. REFER TO THE HAZARDOUS MATERIALS REPORT IN THE SPECIFICATIONS FOR ADDITIONAL INFORMATION. THE HAZARDOUS MATERIALS REPORT INCLUDES DESCRIPTIONS AND GENERAL LOCATIONS OF HAZARDOUS MATERIALS. QUANTITIES OF HAZARDOUS MATERIALS IN THE REPORT ARE FOR INFORMATION ONLY AND DO NOT REPRESENT THE QUANTITY OF HAZARDOUS MATERIALS TO BE REMOVED. DETERMINE QUANTITIES OF HAZARDOUS MATERIALS TO BE REMOVED TO ACCOMPLISH THE PROJECT SCOPE.
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3. TAKE ALL NECESSARY PRECAUTIONS TO REMOVE AND DUMP HAZARDOUS MATERIALS OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. REFER TO SPECIFICATIONS 015719 TEMPORARY ENVIRONMENTAL CONTROLS FOR INSTRUCTIONS ON THE PROPER HANDLING AND DISPOSAL OF LEAD CONTAINING COMPONENTS.

**HAZARDOUS MATERIALS:**

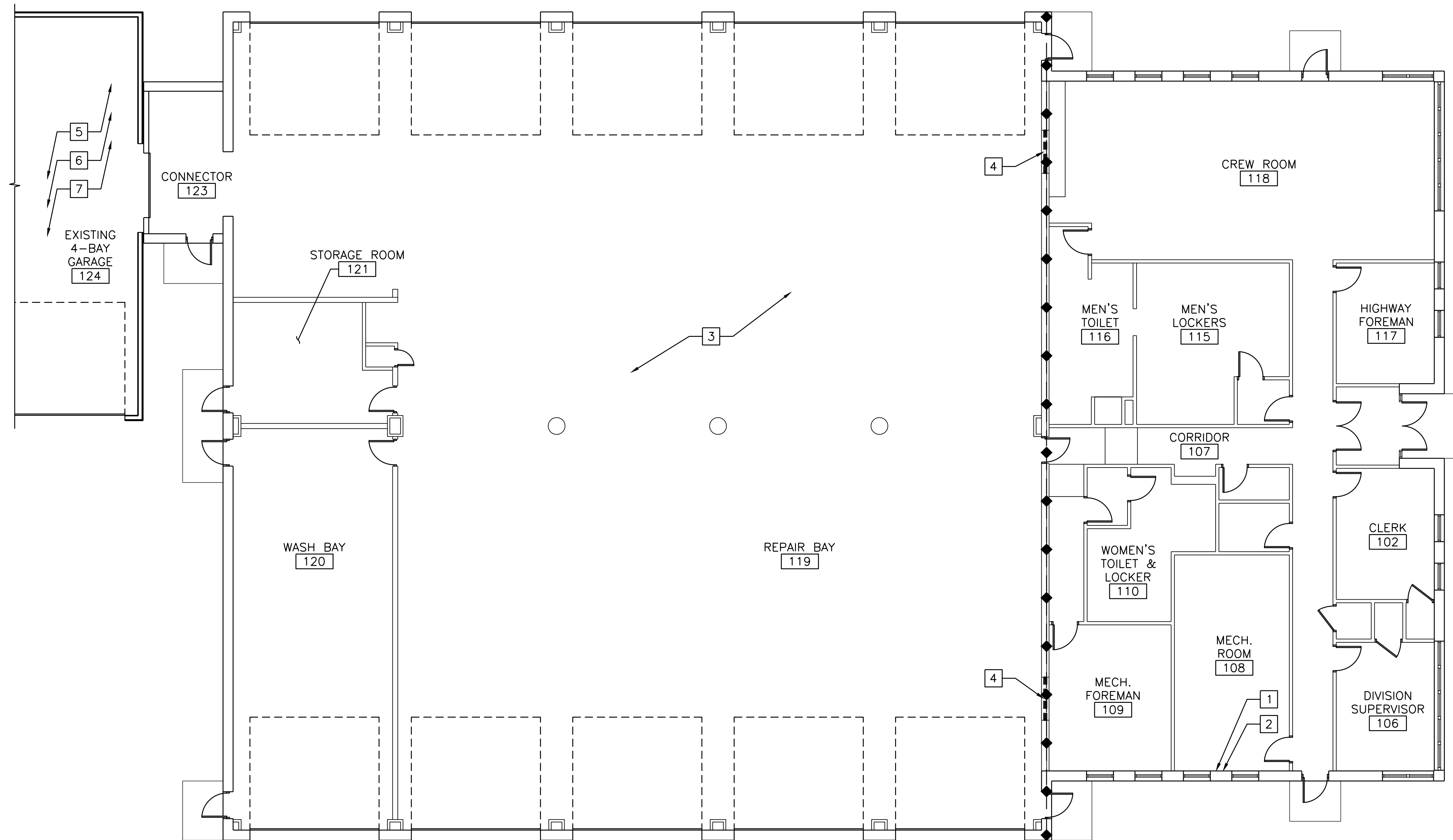
- 1 LCP: RED LEAD CONTAINING PAINT ON METAL PIPING IN MECHANICAL ROOM
- 2 LCP: BLACK LEAD CONTAINING PAINT ON METAL PIPING IN MECHANICAL ROOM
- 3 LCP: GRAY LEAD CONTAINING PAINT ON CONCRETE WALL IN GARAGE
- 4 LCP: BLUE LEAD CONTAINING PAINT ON METAL WINDOW FRAME IN GARAGE
- 5 LCP: GRAY LEAD CONTAINING PAINT ON GYPSUM WALLBOARD WALL IN POL STORAGE ROOM
- 6 LCP: WHITE LEAD CONTAINING PAINT ON GYPSUM BOARD CEILING IN POL STORAGE ROOM
- 7 LCP: BROWN LEAD CONTAINING PAINT ON METAL COLUMN IN GARAGE



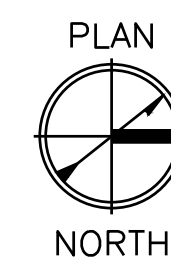
**KEY PLAN**  
SCALE: NOT TO SCALE



0 4' 8' 16'  
Scale: 1/8" = 1'-0"



**OFFICE BUILDING HAZARDOUS MATERIALS PLAN**  
SCALE: 1/8" = 1'-0"



Scale: AS NOTED

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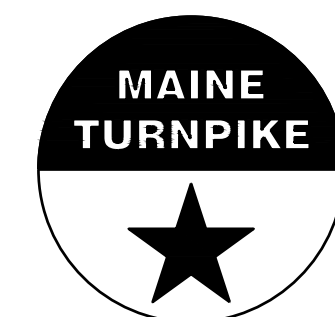
CONSULTANT PROJECT MANAGER: MIKE KELLEY

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

	By	Date	By	Date	
Designed	SRP	04/17/2026	Checked	EAC	04/17/2026
Drawn	JDR	04/17/2026	In Charge of	MJK	04/17/2026



47A York St  
Portland, ME  
04101  
207.553.7753



**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
HAZARDOUS MATERIALS PLAN - OFFICE  
BUILDING**

SHEET NUMBER: H-102

CONTRACT: 2026.08

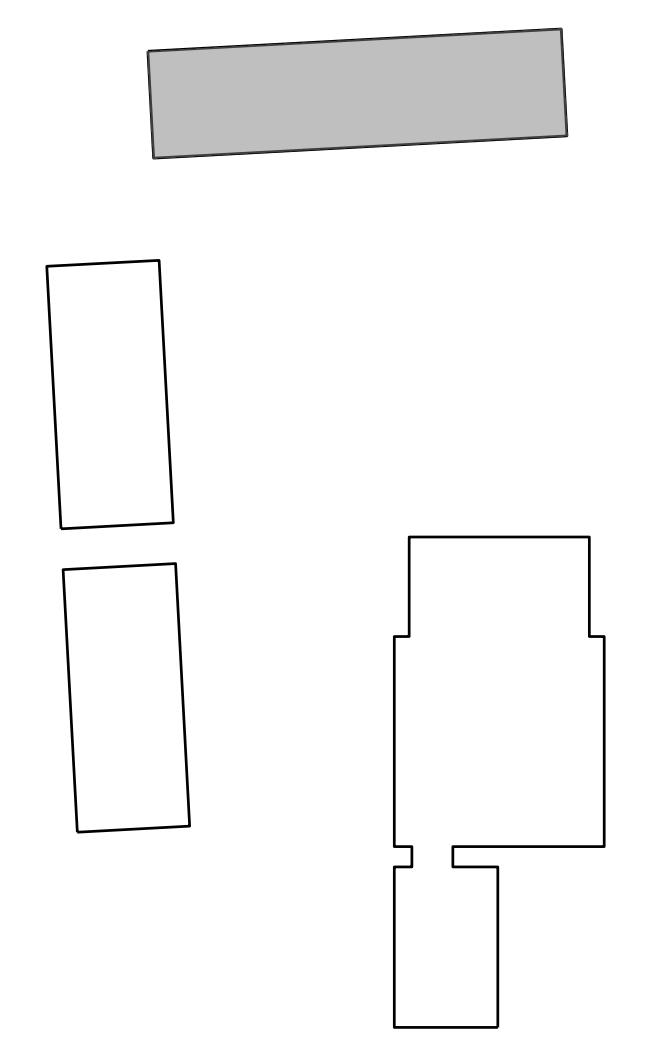
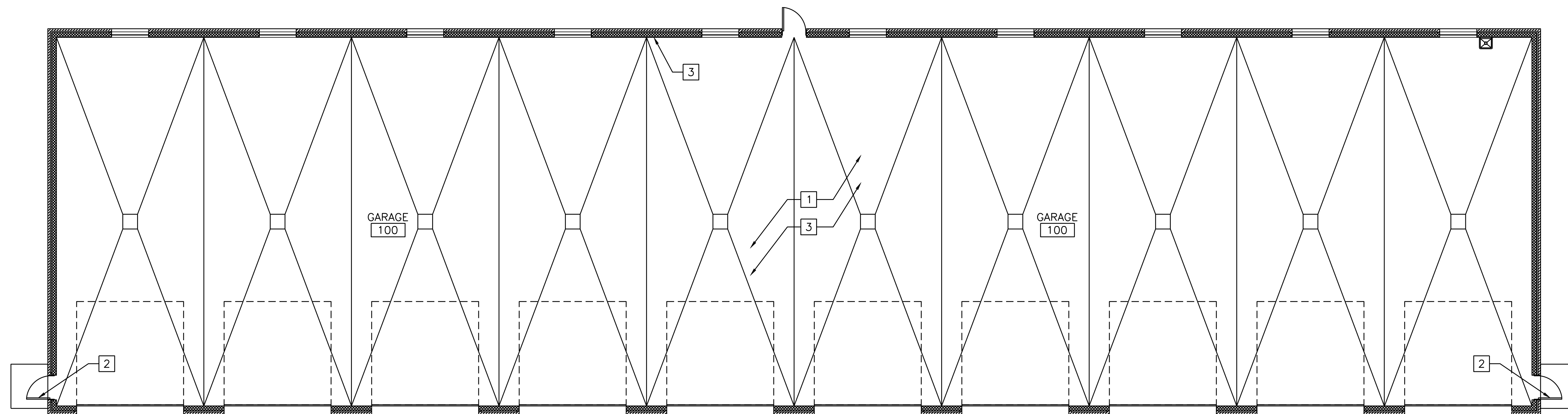
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**HAZARDOUS MATERIALS NOTES:**

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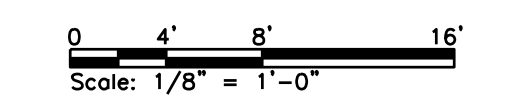
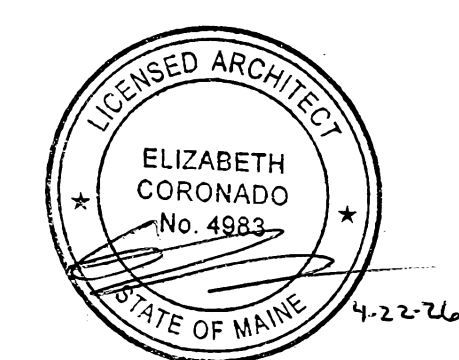
**HAZARDOUS MATERIALS:**

- 1 LCP: WHITE LEAD CONTAINING PAINT ON CONCRETE WALL IN GARAGE
- 2 LCP: TAN LEAD CONTAINING PAINT ON METAL DOOR JAMB IN GARAGE
- 3 LCP: TAN LEAD CONTAINING PAINT ON METAL PIPING IN GARAGE



**KEY PLAN**  
SCALE: NOT TO SCALE

**FIRST FLOOR HAZARDOUS MATERIALS PLAN**  
SCALE: 1/8" = 1'-0"



Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

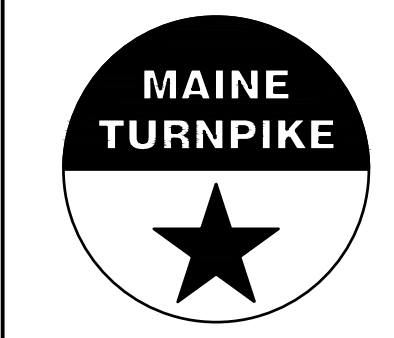
Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
Designed	SRP	04/17/2026	Checked	EAC	04/17/2026
Drawn	JDR	04/17/2026	In Charge of	MJK	04/17/2026



47A York St  
Portland, ME  
04101  
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**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

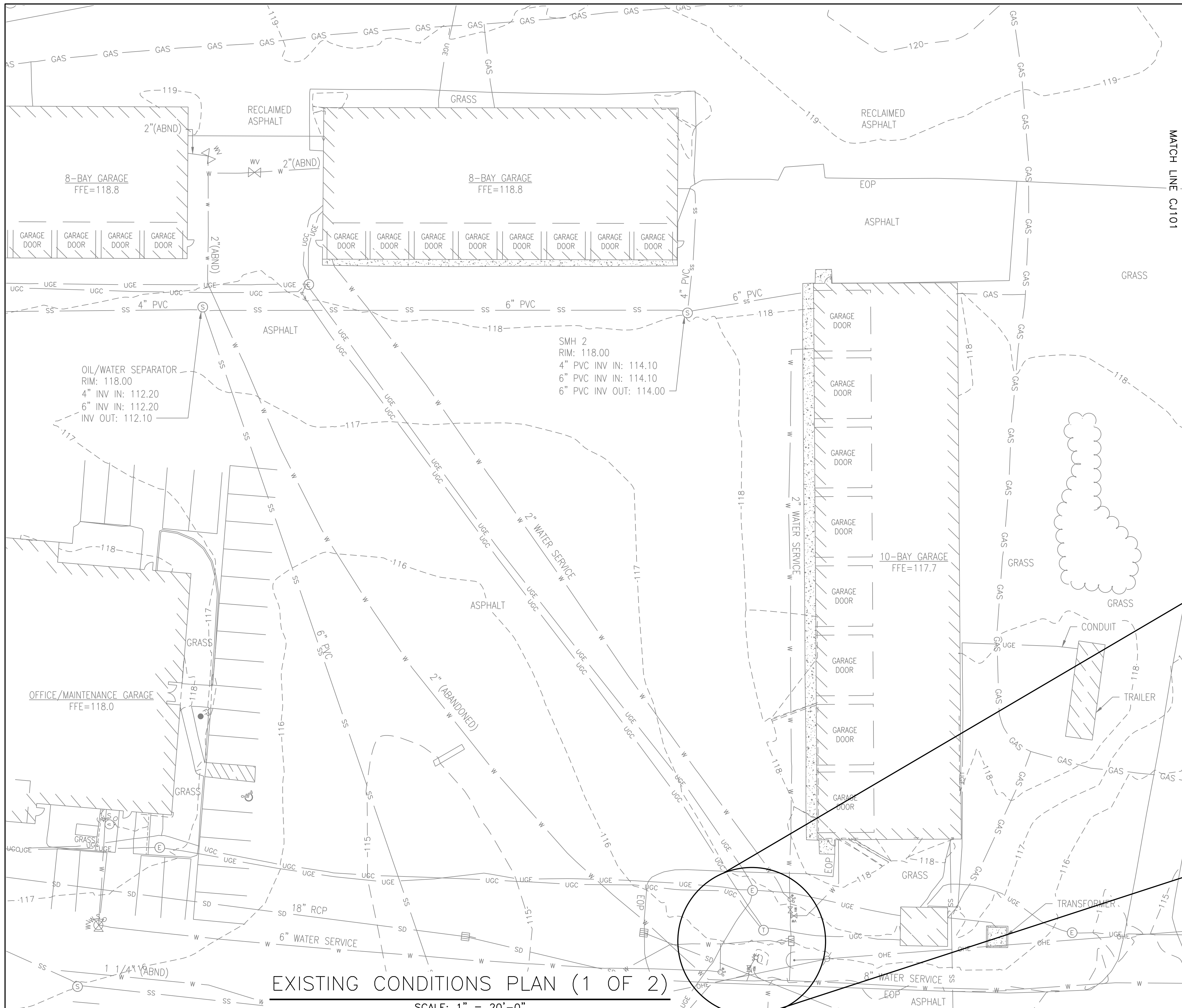
**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**HAZARDOUS MATERIALS PLAN - 10 BAY**

CONTRACT: 2026.08

SHEET NUMBER: H-103

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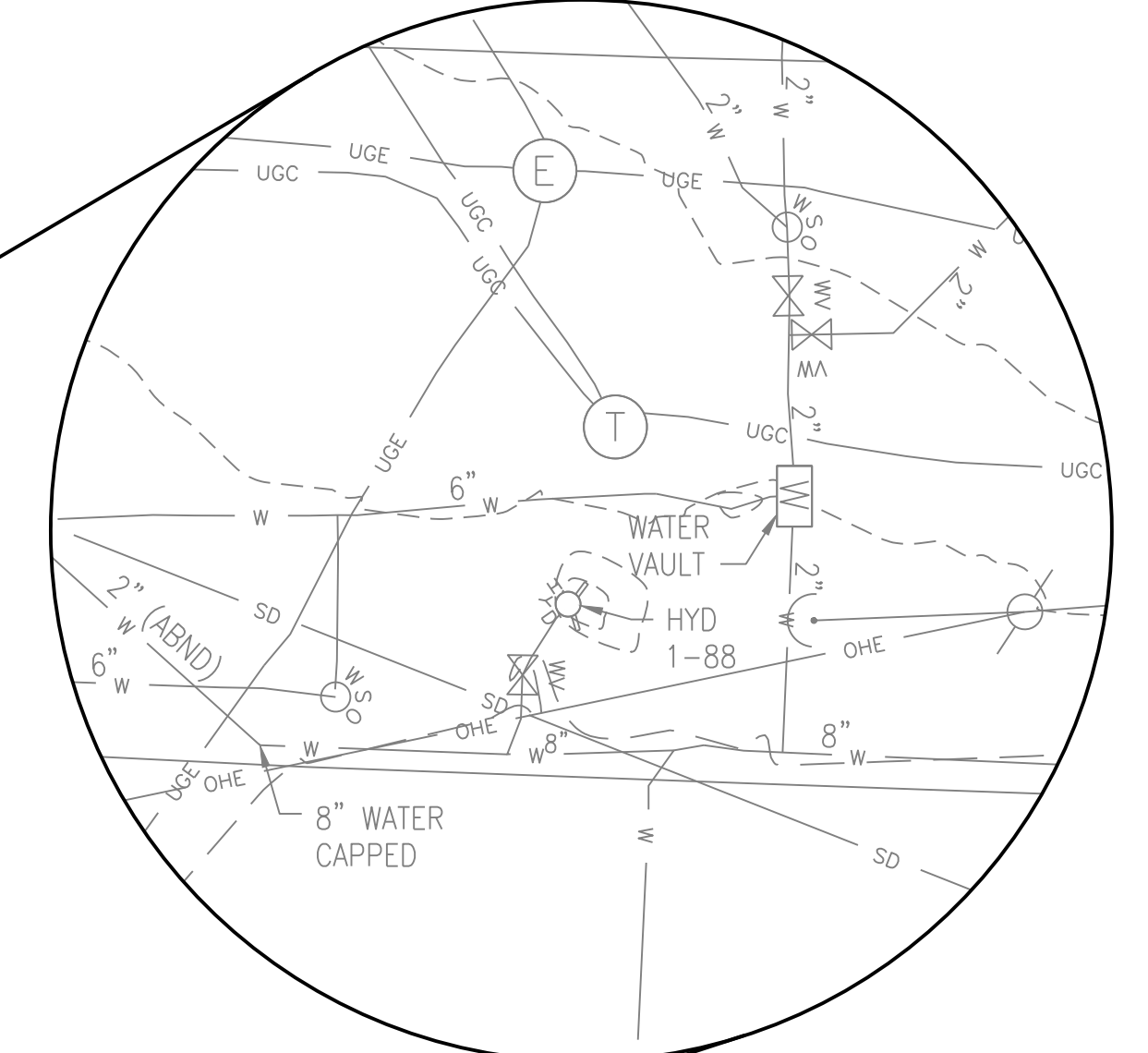


**EXISTING LEGEND**

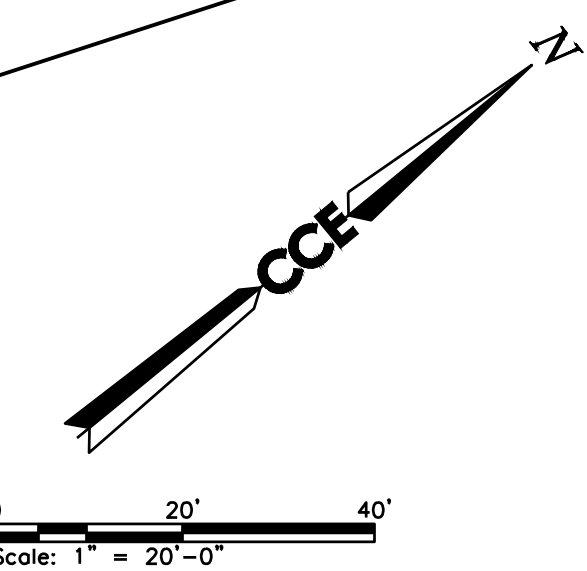
- ○ ○ CHAIN LINK FENCE
- GUARDRAIL
- HANDRAIL
- OHE OVERHEAD WIRES
- SS SEWER LINE
- SD DRAIN LINE
- GAS GAS LINE (MAPP & OXYGEN)
- W WATER LINE
- UGE UNDERGROUND ELECTRIC LINE
- UGC UNDERGROUND COMMUNICATION LINE
- ST UNDERGROUND STEAM LINE
- 10 MAJOR CONTOUR LINE
- 9 MINOR CONTOUR LINE
- TREE LINE
- UTILITY POLE
- LIGHT POLE (ONE ARM)
- LIGHT POLE (TWO ARMS)
- SIGN
- SEWER MANHOLE
- CLEANOUT
- CATCH BASIN
- DRAIN MANHOLE
- FIRE HYDRANT
- WATER GATE VALVE
- POST INDICATOR VALVE
- ELECTRIC MANHOLE
- COMMUNICATIONS MANHOLE
- MANHOLE TELEPHONE
- PAD MOUNTED TRANSFORMER
- ELECTRIC METER
- ELECTRIC BOX
- BOLLARD
- ACCESSIBLE PARKING SPACE
- CONCRETE

**NOTES:**

1. EXISTING CONDITIONS DATA COMPILED FROM SITE SURVEY DATA, SITE INVESTIGATIONS, AERIAL PHOTO DATA, AND OWNER PROVIDED INFORMATION.
2. EXISTING CONDITIONS SHOWN ARE BASED ON FIELD SURVEY PERFORMED BY KIMBALL SURVEY AND DESIGN IN SEPTEMBER OF 2025.
3. HORIZONTAL DATUM BASED ON NAD83 MAINE STATE PLANE COORDINATE SYSTEM—WEST ZONE, U.S. SURVEY FEET.
4. VERTICAL DATUM BASED ON NAVD88
5. ELEVATIONS AND GROUND SURFACE INFORMATION PROVIDED BY KIMBALL SURVEY AND DESIGN.
6. UNDERGROUND UTILITIES BASED ON MARKINGS PROVIDED BY CENTERLINE PRIVATE LOCATING, LLC.



**INSET**  
SCALE: 1" = 10'-0"



**EXISTING CONDITIONS PLAN (1 OF 2)**

SCALE: 1" = 20'-0"

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

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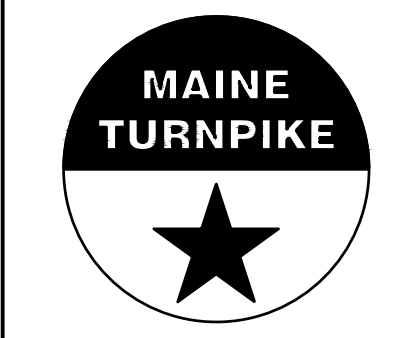
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47A York Street, Portland, ME 04101  
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CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
Designed	LDA	04/22/2026	Checked	HLS	04/22/2026
Drawn	MAF	04/22/2026	In Charge of	MJK	04/22/2026



47A York St  
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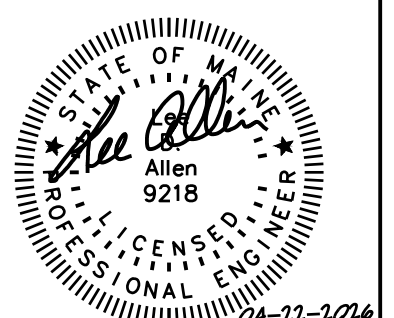
**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**EXISTING CONDITIONS PLAN (1 OF 2)**

CONTRACT: 2026.08

SHEET NUMBER: CJ101

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**EXISTING LEGEND**

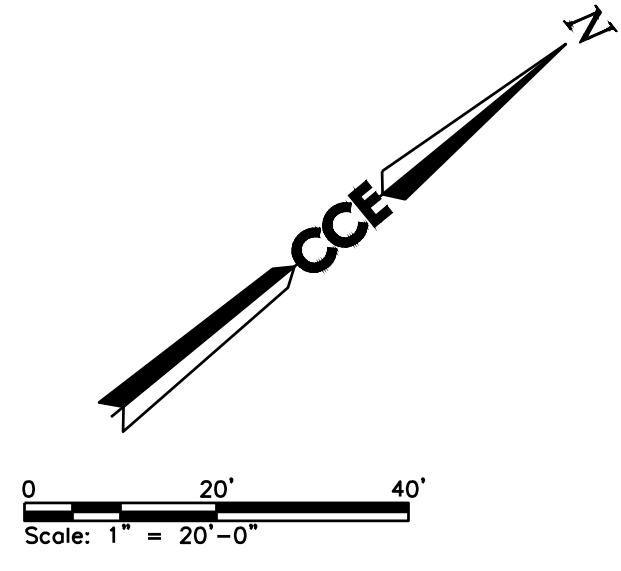
- ○ ○ CHAIN LINK FENCE
- □ — GUARDRAIL
- □ — HANDRAIL
- OHE — OVERHEAD WIRES
- SS — SEWER LINE
- SD — DRAIN LINE
- GAS — GAS LINE (MAPP & OXYGEN)
- W — WATER LINE
- UGE — UNDERGROUND ELECTRIC LINE
- UGC — UNDERGROUND COMMUNICATION LINE
- ST — UNDERGROUND STEAM LINE
- 10 — MAJOR CONTOUR LINE
- 9 — MINOR CONTOUR LINE
- ~ ~ ~ TREE LINE
- UTILITY POLE
- □ LIGHT POLE (ONE ARM)
- □ LIGHT POLE (TWO ARMS)
- SIGN
- SEWER MANHOLE
- CLEANOUT
- CATCH BASIN
- DRAIN MANHOLE
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- ELECTRIC MANHOLE
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3. HORIZONTAL DATUM BASED ON NAD83 MAINE STATE PLANE COORDINATE SYSTEM—WEST ZONE, U.S. SURVEY FEET.
4. VERTICAL DATUM BASED ON NAVD88
5. ELEVATIONS AND GROUND SURFACE INFORMATION PROVIDED BY KIMBALL SURVEY AND DESIGN.
6. UNDERGROUND UTILITIES BASED ON MARKINGS PROVIDED BY CENTERLINE PRIVATE LOCATING, LLC.

**EXISTING CONDITIONS PLAN (2 OF 2)**

SCALE: 1" = 20'-0"



Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

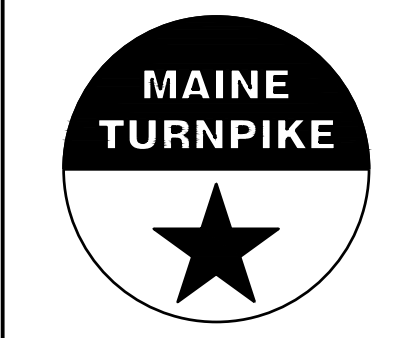
Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
Designed	LDA	04/22/2026	Checked	HLS	04/22/2026
Drawn	MAF	04/22/2026	In Charge of	MJK	04/22/2026



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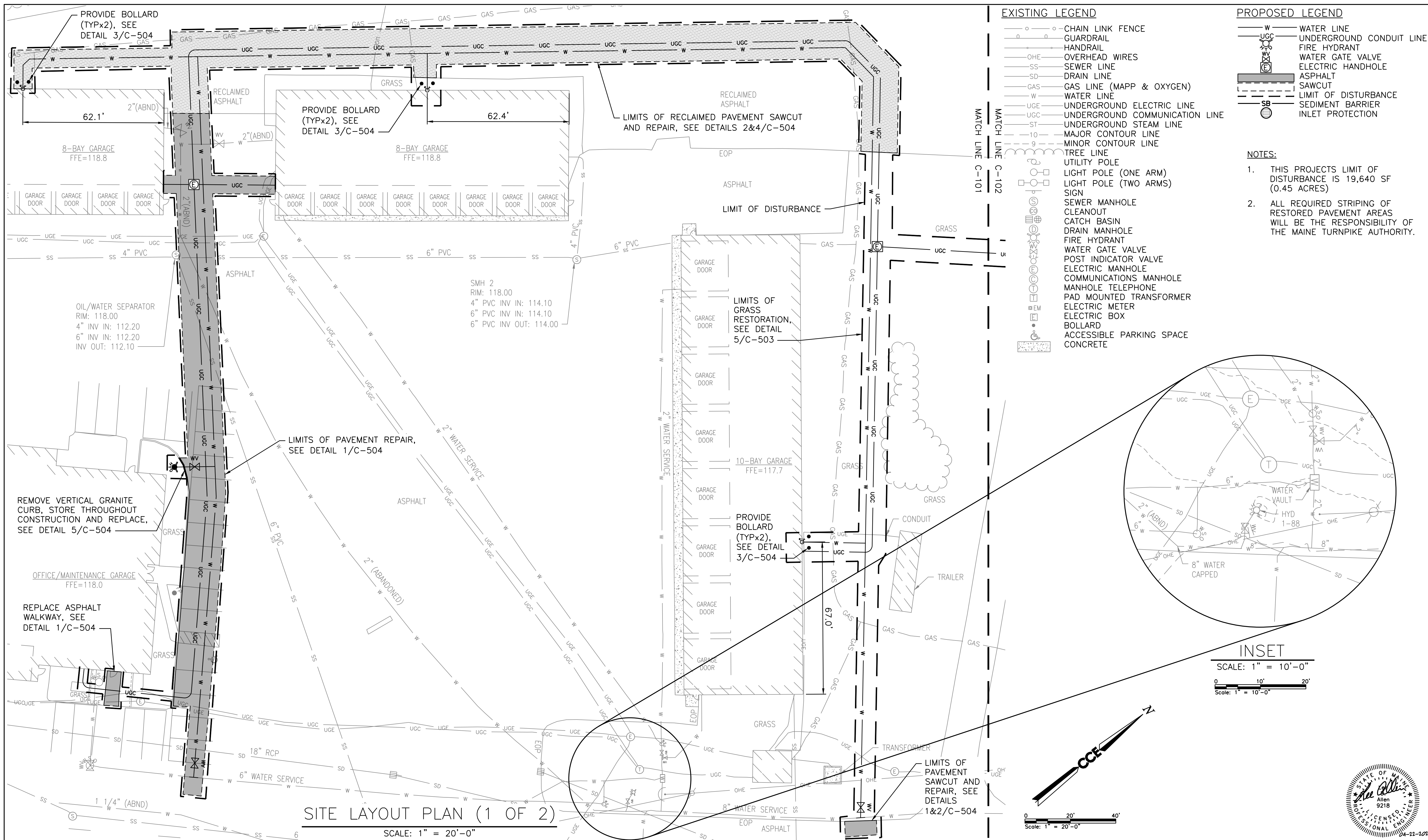
**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**EXISTING CONDITIONS PLAN (2 OF 2)**

SHEET NUMBER: CJ102  
CONTRACT: 2026.08  
7 OF 62



**SITE LAYOUT PLAN (1 OF 2)**

Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

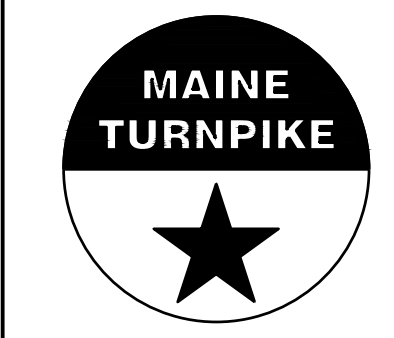
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CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
Designed	LDA	04/22/2026	Checked	HLS	04/22/2026
Drawn	MAF	04/22/2026	In Charge of	MJK	04/22/2026



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**THE GOLD STAR  
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
 MAINE TURNPIKE AUTHORITY**

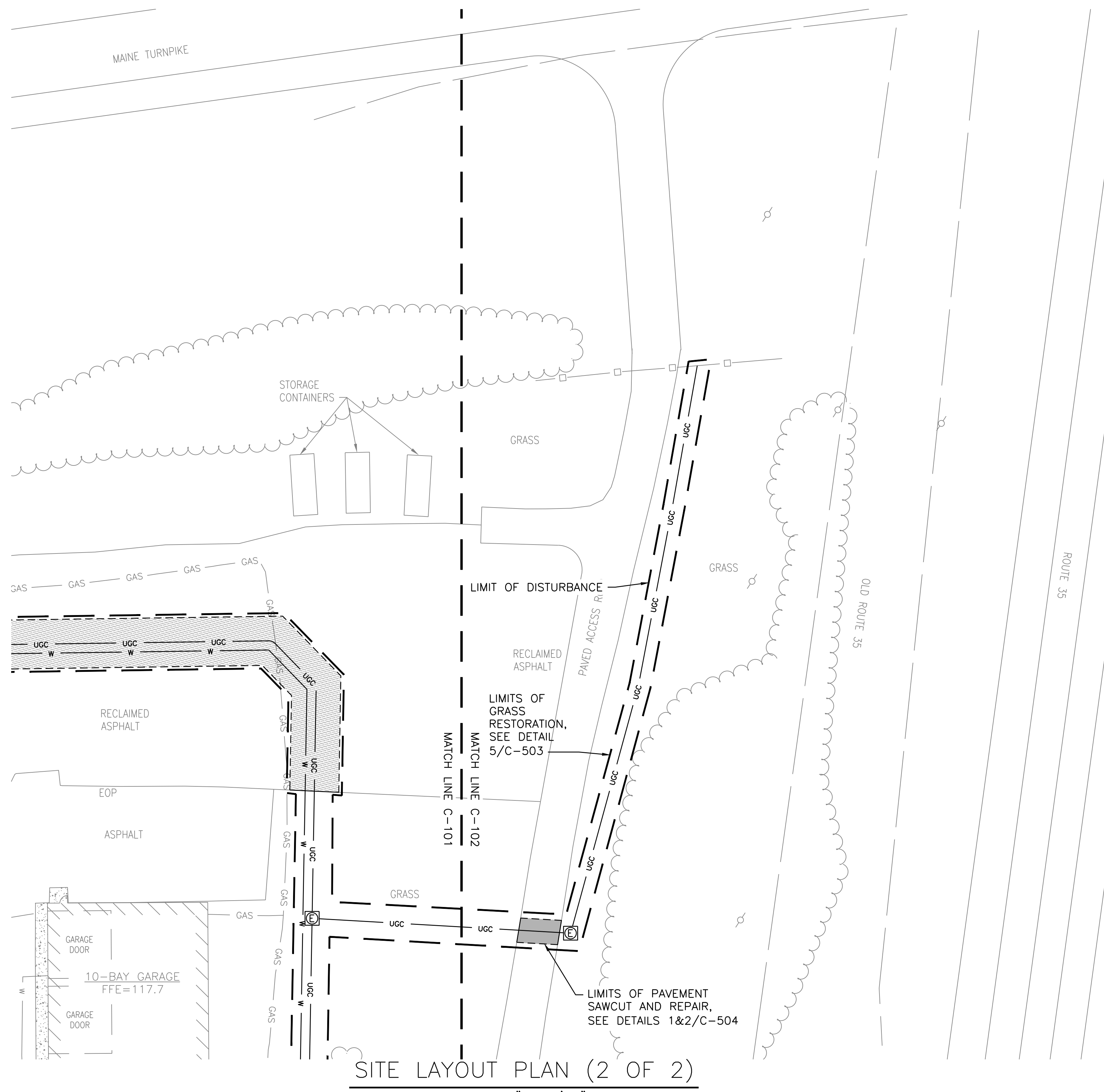
**SITE LAYOUT PLAN (1 OF 2)**

CONTRACT: 2026.08

SHEET NUMBER: C-101

8 OF 62





SITE LAYOUT PLAN (2 OF 2)

SCALE: 1" = 20'-0"

EXISTING LEGEND

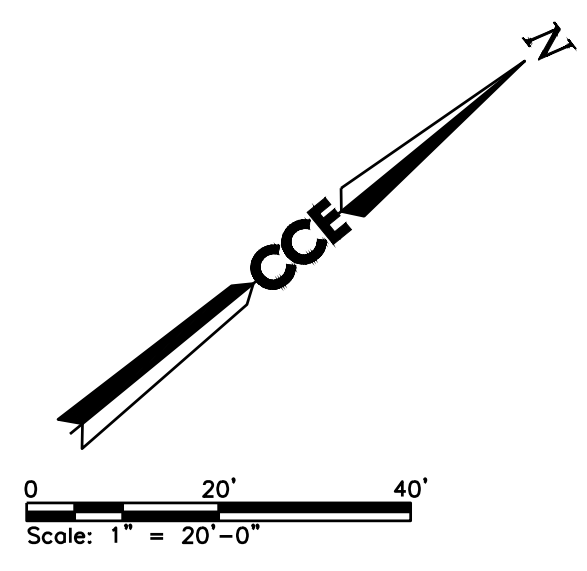
- ○ ○ ○ CHAIN LINK FENCE
- GUARDRAIL
- HANDRAIL
- OHE OVERHEAD WIRES
- SS SEWER LINE
- SD DRAIN LINE
- GAS GAS LINE (MAPP & OXYGEN)
- W WATER LINE
- UGE UNDERGROUND ELECTRIC LINE
- UGC UNDERGROUND COMMUNICATION LINE
- ST UNDERGROUND STEAM LINE
- 10 MAJOR CONTOUR LINE
- 9 MINOR CONTOUR LINE
- ~ TREE LINE
- UTILITY POLE
- LIGHT POLE (ONE ARM)
- LIGHT POLE (TWO ARMS)
- SIGN
- SEWER MANHOLE
- CLEANOUT
- CATCH BASIN
- DRAIN MANHOLE
- FIRE HYDRANT
- WATER GATE VALVE
- POST INDICATOR VALVE
- ELECTRIC MANHOLE
- COMMUNICATIONS MANHOLE
- MANHOLE TELEPHONE
- PAD MOUNTED TRANSFORMER
- ELECTRIC METER
- ELECTRIC BOX
- BOLLARD
- ACCESSIBLE PARKING SPACE
- CONCRETE

PROPOSED LEGEND

- W WATER LINE
- UGC UNDERGROUND CONDUIT LINE
- FIRE HYDRANT
- WATER GATE VALVE
- ELECTRIC HANDHOLE
- ASPHALT
- SAWCUT
- LIMIT OF DISTURBANCE
- SB SEDIMENT BARRIER
- INLET PROTECTION

NOTES:

1. THIS PROJECTS LIMIT OF DISTURBANCE IS 19,640 SF (0.45 ACRES)
2. ALL REQUIRED STRIPING OF RESTORED PAVEMENT AREAS WILL BE THE RESPONSIBILITY OF THE MAINE TURNPIKE AUTHORITY.



No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

Scale: AS NOTED

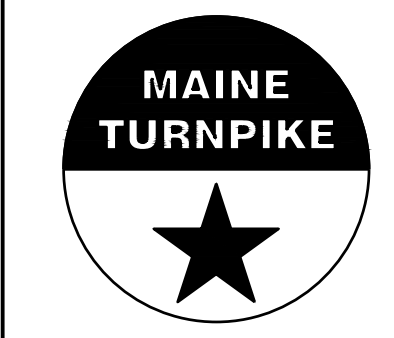
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engineering & design  
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CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
Designed	LDA	04/22/2026	Checked	HLS	04/22/2026
Drawn	MAF	04/22/2026	In Charge of	MJK	04/22/2026



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THE GOLD STAR  
MEMORIAL HIGHWAY

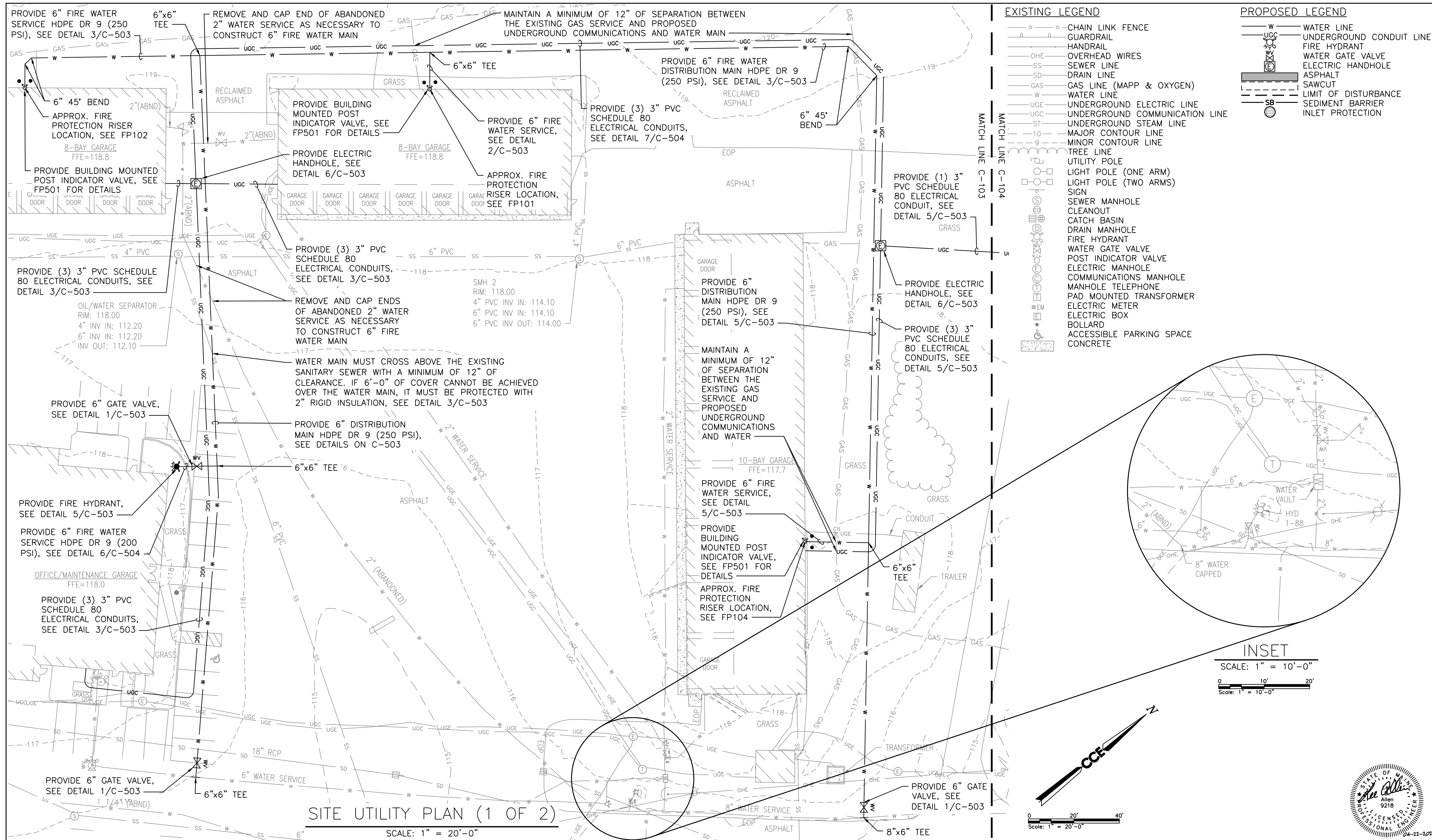
MTA PROJECT MANAGER: JACQUELINE HANSEN

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
SITE LAYOUT PLAN (2 OF 2)

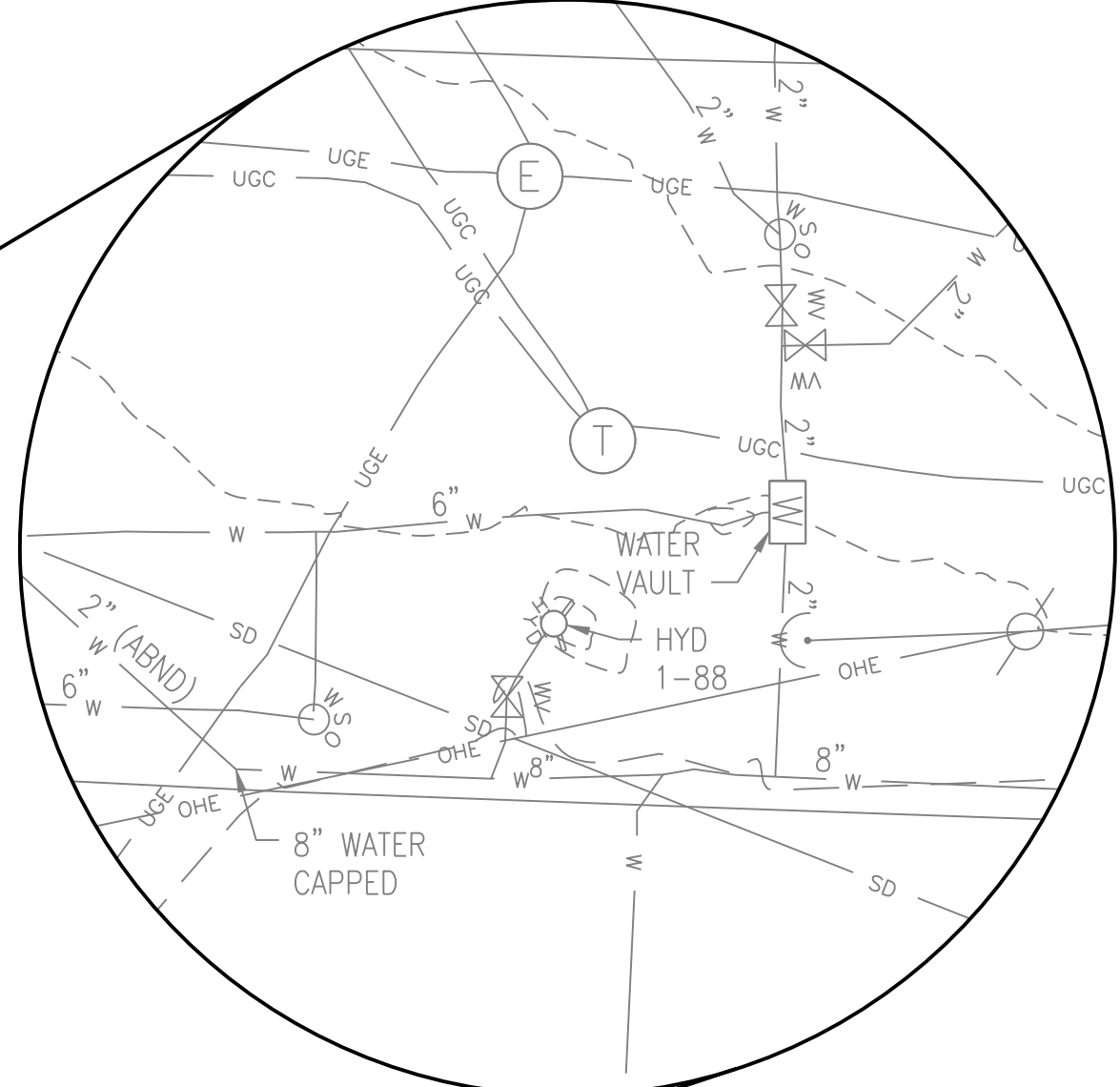
CONTRACT: 2026.08

SHEET NUMBER: C-102

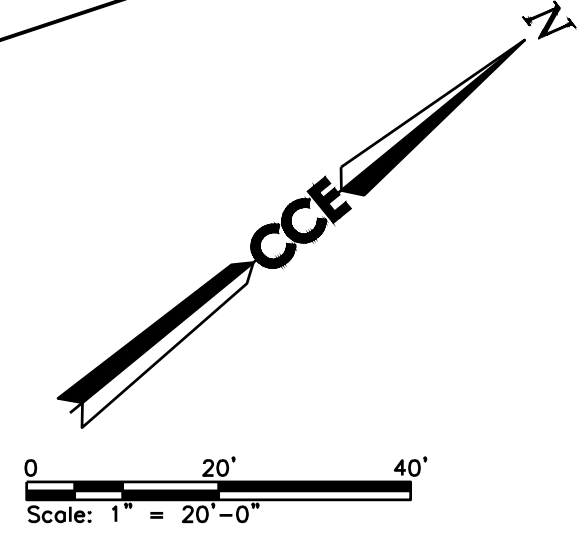
9 OF 62



- EXISTING LEGEND**
- o-o- CHAIN LINK FENCE
  - o- GUARDRAIL
  - o- OVERHEAD WIRES
  - SS- SEWER LINE
  - SD- DRAIN LINE
  - GAS- GAS LINE (MAPP & OXYGEN)
  - W- WATER LINE
  - UGE- UNDERGROUND ELECTRIC LINE
  - UGC- UNDERGROUND COMMUNICATION LINE
  - ST- UNDERGROUND STEAM LINE
  - 10- MAJOR CONTOUR LINE
  - 9- MINOR CONTOUR LINE
  - o- TREE LINE
  - o- UTILITY POLE
  - o- LIGHT POLE (ONE ARM)
  - o- LIGHT POLE (TWO ARMS)
  - o- SIGN
  - o- SEWER MANHOLE
  - o- CLEANOUT
  - o- CATCH BASIN
  - o- DRAIN MANHOLE
  - o- FIRE HYDRANT
  - o- WATER GATE VALVE
  - o- POST INDICATOR VALVE
  - o- ELECTRIC MANHOLE
  - o- COMMUNICATIONS MANHOLE
  - o- MANHOLE TELEPHONE
  - o- PAD MOUNTED TRANSFORMER
  - o- ELECTRIC METER
  - o- ELECTRIC BOX
  - o- BOLLARD
  - o- ACCESSIBLE PARKING SPACE
  - o- CONCRETE
- PROPOSED LEGEND**
- W- WATER LINE
  - UGC- UNDERGROUND CONDUIT LINE
  - o- FIRE HYDRANT
  - o- WATER GATE VALVE
  - o- ELECTRIC HANDHOLE
  - o- ASPHALT
  - o- SAWCUT
  - o- LIMIT OF DISTURBANCE
  - SB- SEDIMENT BARRIER
  - o- INLET PROTECTION



**INSET**  
SCALE: 1" = 10'-0"



**SITE UTILITY PLAN (1 OF 2)**

SCALE: 1" = 20'-0"

Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

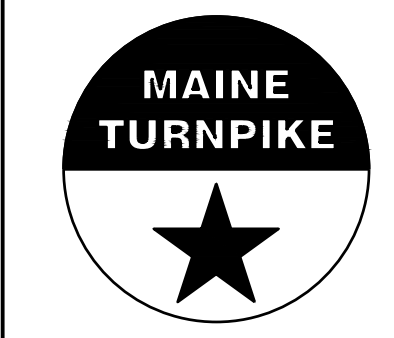
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CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
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Drawn	MAF	04/22/2026	In Charge of	MJK	04/22/2026



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**THE GOLD STAR  
MEMORIAL HIGHWAY**

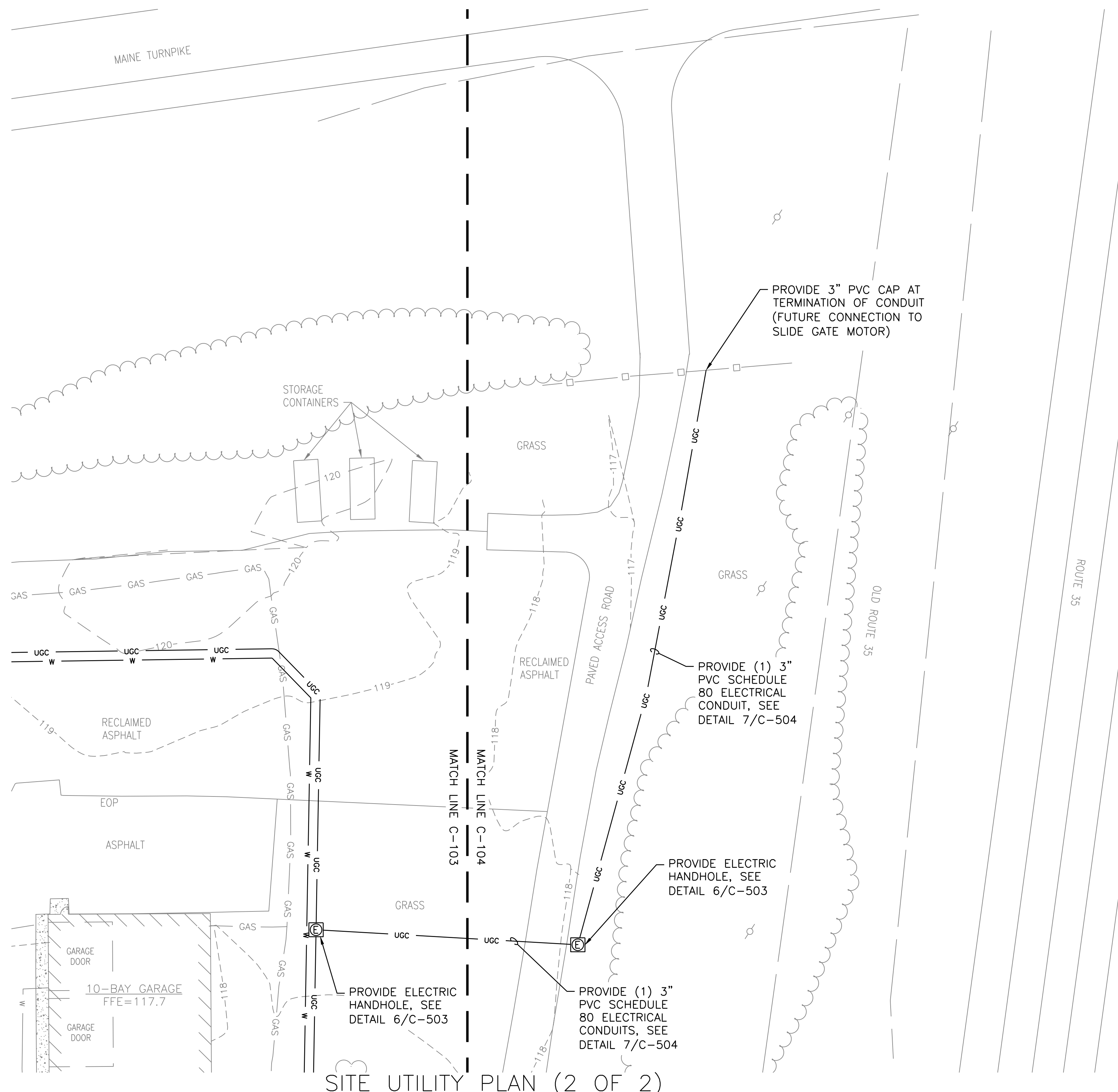
MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**SITE UTILITY PLAN (1 OF 2)**

SHEET NUMBER: C-103  
CONTRACT: 2026.08  
10 OF 62

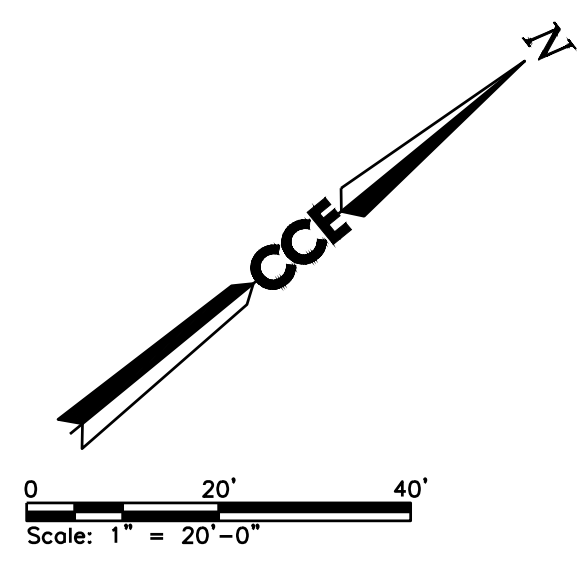




- EXISTING LEGEND**
- ○ ○ CHAIN LINK FENCE
  - GUARDRAIL
  - HANDRAIL
  - OHE OVERHEAD WIRES
  - SS SEWER LINE
  - SD DRAIN LINE
  - GAS GAS LINE (MAPP & OXYGEN)
  - W WATER LINE
  - UGE UNDERGROUND ELECTRIC LINE
  - UGC UNDERGROUND COMMUNICATION LINE
  - ST UNDERGROUND STEAM LINE
  - 10 MAJOR CONTOUR LINE
  - 9 MINOR CONTOUR LINE
  - TREE LINE
  - UTILITY POLE
  - LIGHT POLE (ONE ARM)
  - LIGHT POLE (TWO ARMS)
  - SIGN
  - SEWER MANHOLE
  - CLEANOUT
  - CATCH BASIN
  - DRAIN MANHOLE
  - FIRE HYDRANT
  - WATER GATE VALVE
  - POST INDICATOR VALVE
  - ELECTRIC MANHOLE
  - COMMUNICATIONS MANHOLE
  - MANHOLE TELEPHONE
  - PAD MOUNTED TRANSFORMER
  - ELECTRIC METER
  - ELECTRIC BOX
  - BOLLARD
  - ACCESSIBLE PARKING SPACE
  - CONCRETE
- PROPOSED LEGEND**
- W WATER LINE
  - UGC UNDERGROUND CONDUIT LINE
  - FIRE HYDRANT
  - WATER GATE VALVE
  - ELECTRIC HANDHOLE
  - ASPHALT
  - SAWCUT
  - LIMIT OF DISTURBANCE
  - SB SEDIMENT BARRIER
  - INLET PROTECTION

SITE UTILITY PLAN (2 OF 2)

SCALE: 1" = 20'-0"



Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

Designed by:  
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207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
Designed	LDA	04/22/2026	Checked	HLS	04/22/2026
Drawn	MAF	04/22/2026	In Charge of	MJK	04/22/2026



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THE GOLD STAR  
MEMORIAL HIGHWAY

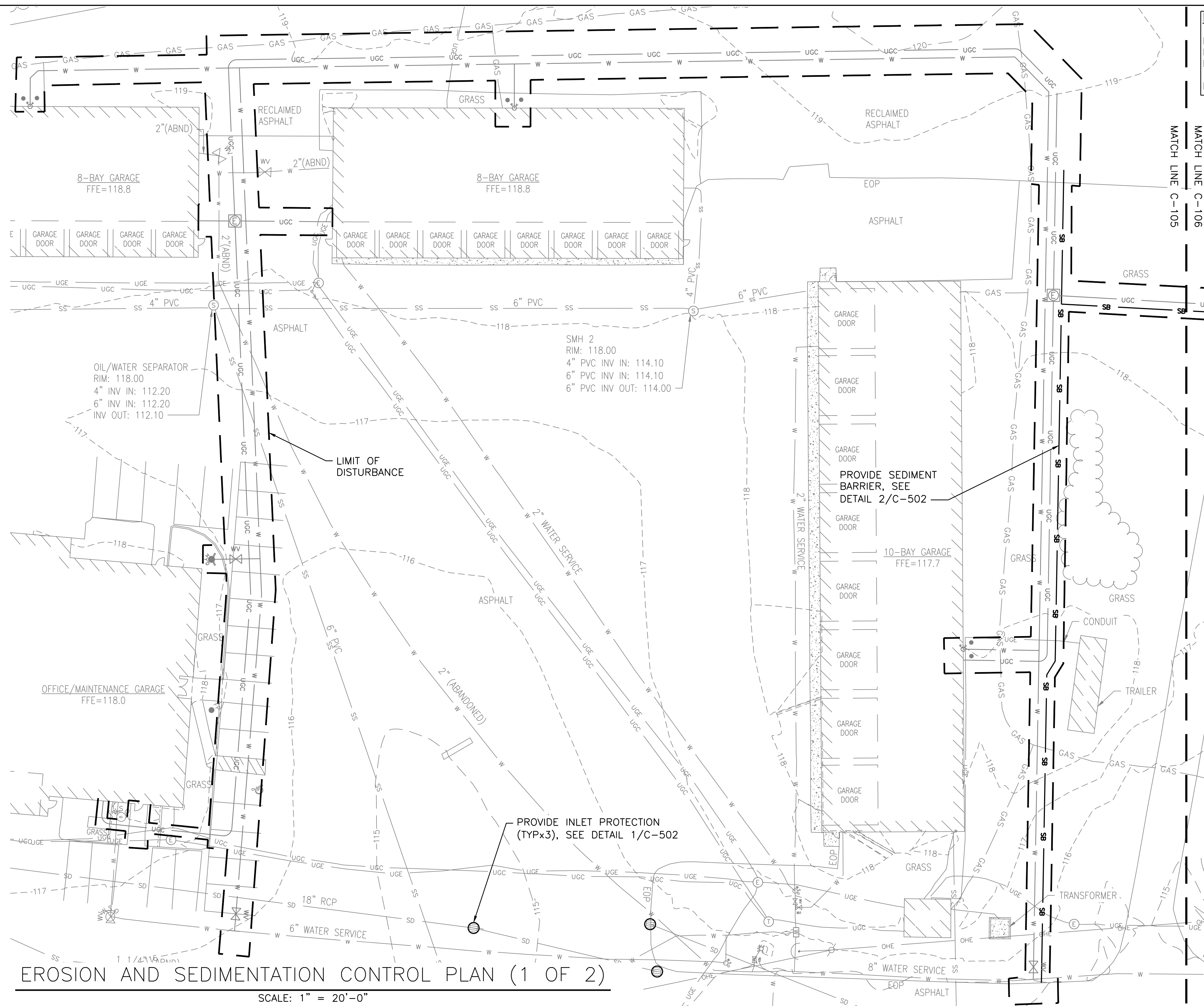
MTA PROJECT MANAGER: JACQUELINE HANSEN

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
SITE UTILITY PLAN (2 OF 2)

CONTRACT: 2026.08

SHEET NUMBER: C-104

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DISTURBANCE AND IMPERVIOUS SUMMARY	
LIMITS OF DISTURBANCE:	19,640 SF (0.45 ACRES)
EXISTING IMPERVIOUS:	11,697 SF
PROPOSED IMPERVIOUS:	11,697 SF
NO NET CHANGE IN IMPERVIOUS AREA.	

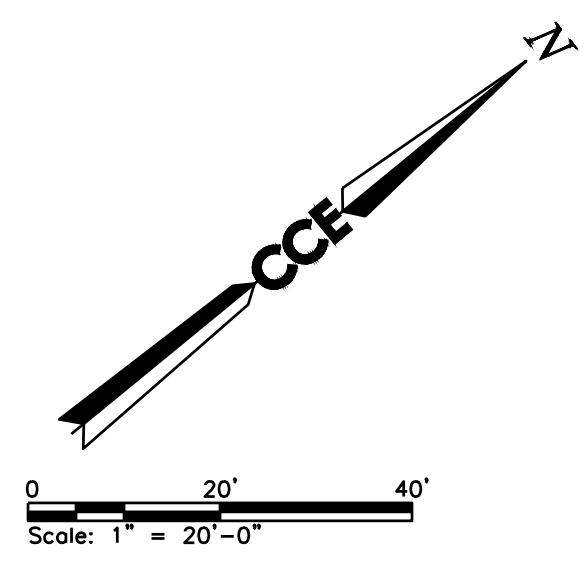
- NOTES:**
- SEE SHEET C-501 FOR EROSION CONTROL NOTES AND DETAILS
  - REPAIR DISTURBED AREAS THAT ARE NOT CONCRETE OR ASPHALT WITH 4" LOAM AND SEED

- EXISTING LEGEND**
- ○ ○ CHAIN LINK FENCE
  - ▬ GUARDRAIL
  - ▬ HANDRAIL
  - OHE OVERHEAD WIRES
  - SS SEWER LINE
  - SD DRAIN LINE
  - GAS GAS LINE (MAPP & OXYGEN)
  - W WATER LINE
  - UGE UNDERGROUND ELECTRIC LINE
  - UGC UNDERGROUND COMMUNICATION LINE
  - ST UNDERGROUND STEAM LINE
  - 10 MAJOR CONTOUR LINE
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  - TREE LINE
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  - SIGN
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  - FIRE HYDRANT
  - WATER GATE VALVE
  - POST INDICATOR VALVE
  - ELECTRIC MANHOLE
  - COMMUNICATIONS MANHOLE
  - MANHOLE TELEPHONE
  - PAD MOUNTED TRANSFORMER
  - EM ELECTRIC METER
  - ELECTRIC BOX
  - BOLLARD
  - ACCESSIBLE PARKING SPACE
  - CONCRETE

- PROPOSED LEGEND**
- W WATER LINE
  - UGC UNDERGROUND CONDUIT LINE
  - FIRE HYDRANT
  - WATER GATE VALVE
  - ELECTRIC HANDHOLE
  - LIMIT OF DISTURBANCE
  - SB SEDIMENT BARRIER
  - INLET PROTECTION

**EROSION AND SEDIMENTATION CONTROL PLAN (1 OF 2)**

SCALE: 1" = 20'-0"

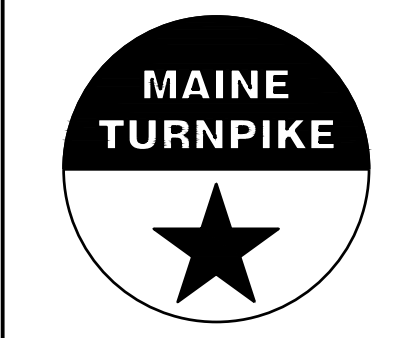


No.	Revision	By	Date
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Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753			
CONSULTANT PROJECT MANAGER: MIKE KELLEY			
	By	Date	
Designed	LDA	04/22/2026	Checked
Drawn	MAF	04/22/2026	In Charge of
	By	Date	By
			HLS
			04/22/2026
			MJK
			04/22/2026



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**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
EROSION AND SEDIMENTATION CONTROL PLAN  
(1 OF 2)**

CONTRACT: 2026.08

SHEET NUMBER: C-105

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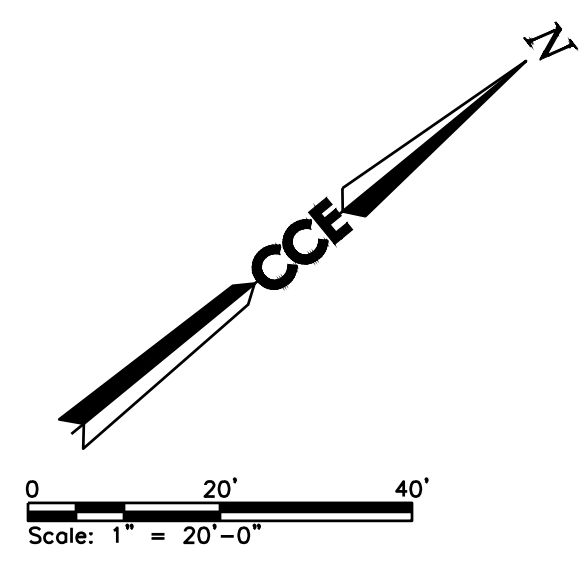


EROSION AND SEDIMENTATION CONTROL PLAN (2 OF 2)

SCALE: 1" = 20'-0"

- EXISTING LEGEND**
- ○ ○ ○ CHAIN LINK FENCE
  - ○ — GUARDRAIL
  - — — HANDRAIL
  - OHE — OVERHEAD WIRES
  - SS — SEWER LINE
  - SD — DRAIN LINE
  - GAS — GAS LINE (MAPP & OXYGEN)
  - W — WATER LINE
  - UGE — UNDERGROUND ELECTRIC LINE
  - UGC — UNDERGROUND COMMUNICATION LINE
  - ST — UNDERGROUND STEAM LINE
  - 10 — MAJOR CONTOUR LINE
  - 9 — MINOR CONTOUR LINE
  - TREE LINE
  - UTILITY POLE
  - □ LIGHT POLE (ONE ARM)
  - □ LIGHT POLE (TWO ARMS)
  - SIGN
  - SEWER MANHOLE
  - CLEANOUT
  - CATCH BASIN
  - DRAIN MANHOLE
  - FIRE HYDRANT
  - WATER GATE VALVE
  - POST INDICATOR VALVE
  - ELECTRIC MANHOLE
  - COMMUNICATIONS MANHOLE
  - MANHOLE TELEPHONE
  - PAD MOUNTED TRANSFORMER
  - EM ELECTRIC METER
  - ELECTRIC BOX
  - BOLLARD
  - ACCESSIBLE PARKING SPACE
  - CONCRETE

- PROPOSED LEGEND**
- W — WATER LINE
  - UGC — UNDERGROUND CONDUIT LINE
  - FIRE HYDRANT
  - WATER GATE VALVE
  - ELECTRIC HANDHOLE
  - — — LIMIT OF DISTURBANCE
  - SB — SEDIMENT BARRIER
  - INLET PROTECTION



Scale: AS NOTED

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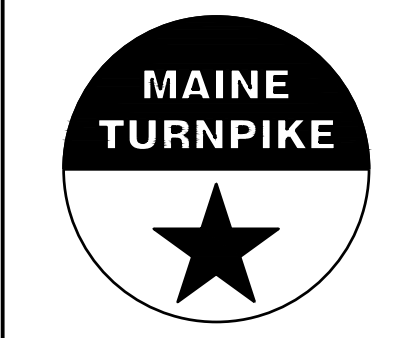
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CONSULTANT PROJECT MANAGER: MIKE KELLEY

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**THE GOLD STAR  
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
 MAINE TURNPIKE AUTHORITY  
 EROSION AND SEDIMENTATION CONTROL PLAN  
 (2 OF 2)**

CONTRACT: 2026.08

SHEET NUMBER: C-106

13 OF 62

EROSION AND SEDIMENTATION CONTROL PLAN NOTES

EROSION AND SEDIMENTATION CONTROL FOR THIS PROJECT IS BASED UPON SOUND CONSERVATION PRACTICES, AND ADHERES TO THE STANDARDS DETAILED IN THE MAINE EROSION AND SEDIMENTATION CONTROL HANDBOOK FOR CONSTRUCTION: BEST MANAGEMENT PRACTICES BY THE CUMBERLAND COUNTY SOIL AND WATER CONSERVATION DISTRICT AND THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION DATED MARCH 2015. THE CONTRACTOR MUST BE FAMILIAR WITH THE AFOREMENTIONED PUBLICATION AND COMPLY WITH THE PRACTICES PRESENTED THEREIN.

A PERSON WHO CONDUCTS, OR CAUSES TO BE CONDUCTED, AN ACTIVITY THAT INVOLVES FILLING, DISPLACING OR EXPOSING SOIL OR OTHER EARTHEN MATERIALS MUST TAKE MEASURES TO PREVENT UNREASONABLE EROSION OF SOIL OR SEDIMENT BEYOND THE PROJECT SITE OR INTO A PROTECTED NATURAL RESOURCE AS DEFINED IN 38 M.R.S. §480-B. EROSION CONTROL MEASURES MUST BE IN PLACE BEFORE THE ACTIVITY BEGINS. MEASURES MUST REMAIN IN PLACE AND FUNCTIONAL UNTIL THE SITE IS PERMANENTLY STABILIZED. ADEQUATE AND TIMELY TEMPORARY AND PERMANENT STABILIZATION MEASURES MUST BE TAKEN.


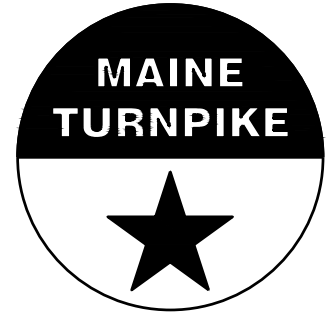
1 EROSION AND SEDIMENTATION CONTROL

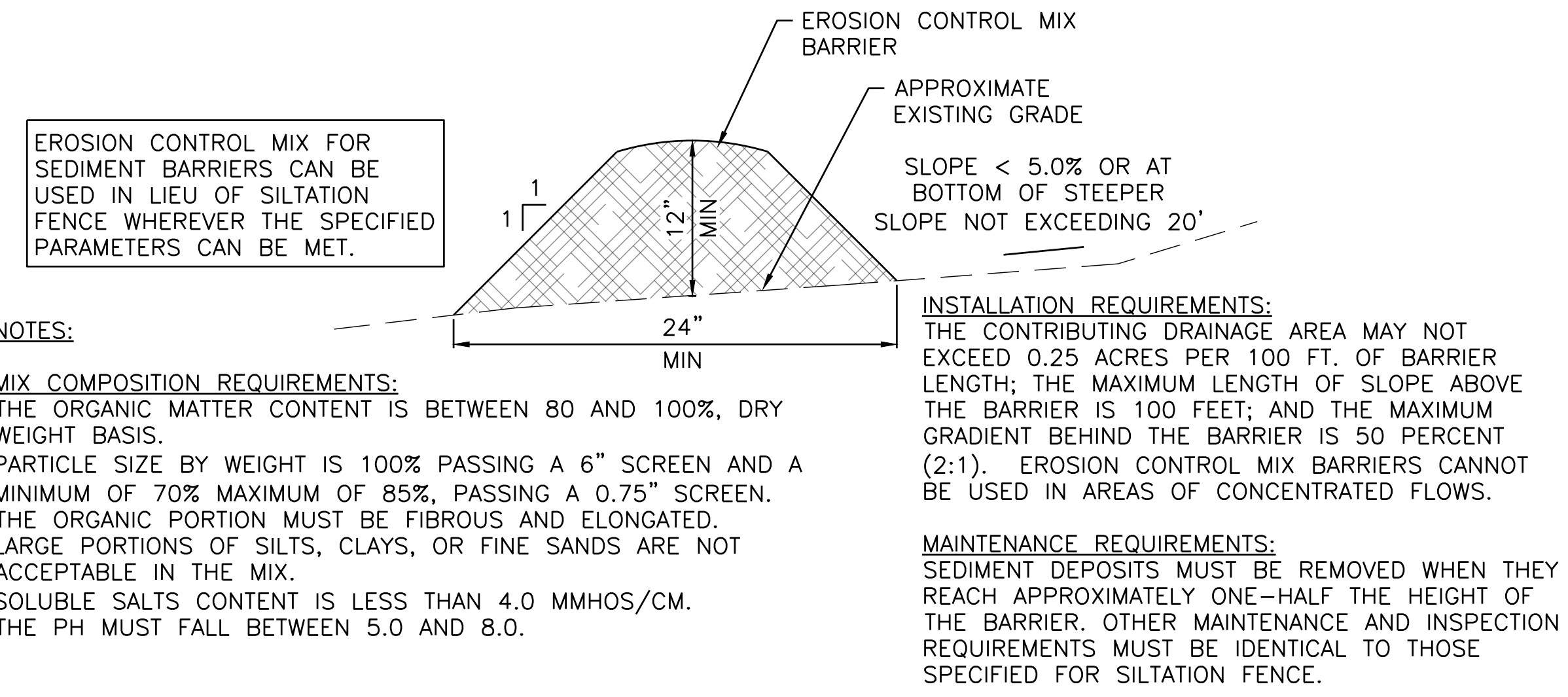
- 1.1 POLLUTION PREVENTION: MINIMIZE DISTURBED AREAS AND PROTECT NATURAL DOWNGRADIANT BUFFER AREAS TO THE EXTENT PRACTICABLE. CONTROL STORMWATER VOLUME AND VELOCITY WITHIN THE SITE TO MINIMIZE SOIL EROSION. MINIMIZE THE DISTURBANCE OF STEEP SLOPES. CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOW RATES AND VOLUME, TO MINIMIZE EROSION AT OUTLETS. THE DISCHARGE MAY NOT RESULT IN EROSION OF ANY OPEN DRAINAGE CHANNELS, SWALES, STREAM CHANNELS OR STREAM BANKS, UPLAND, OR COASTAL OR FRESHWATER WETLANDS OFF THE PROJECT SITE. WHENEVER PRACTICABLE, NO DISTURBANCE ACTIVITIES SHOULD TAKE PLACE WITHIN 50 FEET OF ANY PROTECTED NATURAL RESOURCE. IF DISTURBANCE ACTIVITIES TAKE PLACE BETWEEN 30 FEET AND 50 FEET OF ANY PROTECTED NATURAL RESOURCE, AND STORMWATER DISCHARGES THROUGH THE DISTURBED AREAS TOWARD THE PROTECTED NATURAL RESOURCE, PERIMETER EROSION CONTROLS MUST BE DOUBLED. IF DISTURBANCE ACTIVITIES TAKE PLACE LESS THAN 30 FEET FROM ANY PROTECTED NATURAL RESOURCE, AND STORMWATER DISCHARGES THROUGH THE DISTURBED AREAS TOWARD THE PROTECTED NATURAL RESOURCE, PERIMETER EROSION CONTROLS MUST BE DOUBLED AND DISTURBED AREAS MUST BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 7 DAYS.
- 1.2 SEDIMENT BARRIERS: PRIOR TO CONSTRUCTION, PROPERLY INSTALL SEDIMENT BARRIERS AT THE DOWNGRADIANT EDGE OF ANY AREA TO BE DISTURBED AND ADJACENT TO ANY DRAINAGE CHANNELS WITHIN THE DISTURBED AREA. SEDIMENT BARRIERS SHOULD BE INSTALLED DOWNGRADIANT OF SOIL OR SEDIMENT STOCKPILES AND STORMWATER PREVENTED FROM RUNNING ONTO THE STOCKPILE. MAINTAIN THE SEDIMENT BARRIERS BY REMOVING ACCUMULATED SEDIMENT, OR REMOVING AND REPLACING THE BARRIER, UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED. WHERE A DISCHARGE TO A STORM DRAIN INLET OCCURS, IF THE STORM DRAIN CARRIES WATER DIRECTLY TO A SURFACE WATER AND YOU HAVE AUTHORITY TO ACCESS THE STORM DRAIN INLET, YOU MUST INSTALL AND MAINTAIN PROTECTION MEASURES THAT REMOVE SEDIMENT FROM THE DISCHARGE.
- 1.3 STABILIZED CONSTRUCTION ENTRANCE: PRIOR TO CONSTRUCTION, PROPERLY INSTALL A STABILIZED CONSTRUCTION ENTRANCE (SCE) AT ALL POINTS OF EGRESS FROM THE SITE. THE SCE IS A STABILIZED PAD OF AGGREGATE, UNDERLAIN BY A GEOTEXTILE FILTER FABRIC, USED TO PREVENT TRAFFIC FROM TRACKING MATERIAL AWAY FROM THE SITE ONTO PUBLIC ROWS. MAINTAIN THE SCE UNTIL ALL DISTURBED AREAS ARE STABILIZED.
- 1.4 TEMPORARY STABILIZATION: WITHIN 7 DAYS OF THE CESSATION OF CONSTRUCTION ACTIVITIES IN AN AREA THAT WILL NOT BE WORKED FOR MORE THAN 7 DAYS, STABILIZE ANY EXPOSED SOIL WITH MULCH, OR OTHER NON-ERODIBLE COVER. STABILIZE AREAS WITHIN 75 FEET OF A WETLAND OR WATERBODY WITHIN 48 HOURS OF THE INITIAL DISTURBANCE OF THE SOIL OR PRIOR TO ANY STORM EVENT, WHICHEVER COMES FIRST.
- 1.5 REMOVAL OF TEMPORARY MEASURES: REMOVE ANY TEMPORARY CONTROL MEASURES, SUCH AS SILT FENCE, WITHIN 30 DAYS AFTER PERMANENT STABILIZATION IS ATTAINED. REMOVE ANY ACCUMULATED SEDIMENTS AND STABILIZE.
- 1.6 PERMANENT STABILIZATION: IF THE AREA WILL NOT BE WORKED FOR MORE THAN ONE YEAR OR HAS BEEN BROUGHT TO FINAL GRADE, THEN PERMANENTLY STABILIZE THE AREA WITHIN 7 DAYS BY PLANTING VEGETATION, SEEDING, SOD, OR THROUGH THE USE OF PERMANENT MULCH, OR RIPRAP, OR ROAD SUB-BASE. IF USING VEGETATION FOR STABILIZATION, SELECT THE PROPER VEGETATION FOR THE LIGHT, MOISTURE, AND SOIL CONDITIONS; AMEND AREAS OF DISTURBED SUBSOILS WITH TOPSOIL, COMPOST, OR FERTILIZERS; PROTECT SEEDING AREAS WITH MULCH OR, IF NECESSARY, EROSION CONTROL BLANKETS; AND SCHEDULE SODDING, PLANTING, AND SEEDING SO TO AVOID DIE-OFF FROM SUMMER DROUGHT AND FALL FROSTS. NEWLY SEEDING OR SODDED AREAS MUST BE PROTECTED FROM VEHICLE TRAFFIC, EXCESSIVE PEDESTRIAN TRAFFIC, AND CONCENTRATED RUNOFF UNTIL THE VEGETATION IS WELL-ESTABLISHED WITH 90% COVER BY HEALTHY VEGETATION. IF NECESSARY, AREAS MUST BE REWORKED AND RESTABILIZED IF GERMINATION IS SPARSE, PLANT COVERAGE IS SPOTTY, OR TOPSOIL EROSION IS EVIDENT. ONE OR MORE OF THE FOLLOWING MAY APPLY TO A PARTICULAR SITE.
  - 1.6.1 PAVED AREAS: FOR PAVED AREAS, PERMANENT STABILIZATION MEANS THE PLACEMENT OF THE COMPACTED GRAVEL SUBBASE IS COMPLETED, PROVIDED IT IS FREE OF FINE MATERIALS THAT MAY RUNOFF WITH A RAIN EVENT

- 1.7 WINTER CONSTRUCTION: "WINTER CONSTRUCTION" IS CONSTRUCTION ACTIVITY PERFORMED DURING THE PERIOD FROM NOVEMBER 1 THROUGH APRIL 15. IF DISTURBED AREAS ARE NOT STABILIZED WITH PERMANENT MEASURES BY NOVEMBER 1 OR NEW SOIL DISTURBANCE OCCURS AFTER NOVEMBER 1, BUT BEFORE APRIL 15, THEN THESE AREAS MUST BE PROTECTED AND RUNOFF FROM THEM MUST BE CONTROLLED BY ADDITIONAL MEASURES AND RESTRICTIONS
    - 1.7.1 SITE STABILIZATION: FOR WINTER STABILIZATION, HAY MULCH IS APPLIED AT TWICE THE STANDARD TEMPORARY STABILIZATION RATE. AT THE END OF EACH CONSTRUCTION DAY, AREAS THAT HAVE BEEN BROUGHT TO FINAL GRADE MUST BE STABILIZED. MULCH MAY NOT BE SPREAD ON TOP OF SNOW.
    - 1.7.2 SEDIMENT BARRIERS: ALL AREAS WITHIN 75 FEET OF A PROTECTED NATURAL RESOURCE MUST BE PROTECTED WITH A DOUBLE ROW OF SEDIMENT BARRIERS.
  - 1.8 ROADS: GRAVEL AND PAVED ROADS MUST BE DESIGNED AND CONSTRUCTED WITH CROWNS OR OTHER MEASURES, SUCH AS WATER BARS, TO ENSURE THAT STORMWATER IS DELIVERED IMMEDIATELY TO ADJACENT STABLE DITCHES, VEGETATED BUFFER AREAS, CATCH BASIN INLETS, OR STREET GUTTERS.
  - 1.9 PARKING AREAS: PARKING AREAS MUST BE CONSTRUCTED TO ENSURE RUNOFF IS DELIVERED TO ADJACENT SWALES, CATCH BASINS, CURB GUTTERS, OR BUFFER AREAS WITHOUT ERODING AREAS DOWNSLOPE. THE PARKING AREA'S SUBBASE COMPACTION AND GRADING MUST BE DONE TO ENSURE RUNOFF IS EVENLY DISTRIBUTED TO ADJACENT BUFFERS OR SIDE SLOPES. CATCH BASINS MUST BE LOCATED AND SET TO PROVIDE ENOUGH STORAGE DEPTH AT THE INLET TO ALLOW INFLOW OF PEAK RUNOFF RATES WITHOUT BY-PASS OF RUNOFF TO OTHER AREAS.
- 2 INSPECTION AND MAINTENANCE
- 2.1 DURING CONSTRUCTION: THE FOLLOWING STANDARDS MUST BE MET DURING CONSTRUCTION
    - 2.1.1 INSPECTION AND CORRECTIVE ACTION: INSPECT DISTURBED AND IMPERVIOUS AREAS, EROSION CONTROL MEASURES, MATERIALS STORAGE AREAS THAT ARE EXPOSED TO PRECIPITATION, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. INSPECT THESE AREAS AT LEAST ONCE A WEEK AS WELL AS BEFORE AND WITHIN 24 HOURS AFTER A STORM EVENT (RAINFALL), AND PRIOR TO COMPLETING PERMANENT STABILIZATION MEASURES. A PERSON WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING THE STANDARDS AND CONDITIONS IN THE PERMIT, MUST CONDUCT THE INSPECTIONS.
    - 2.1.2 MAINTENANCE: IF BEST MANAGEMENT PRACTICES (BMPS) NEED TO BE REPAIRED, THE REPAIR WORK SHOULD BE INITIATED UPON DISCOVERY OF THE PROBLEM BUT NO LATER THAN THE END OF THE NEXT WORKDAY. IF ADDITIONAL BMPS OR SIGNIFICANT REPAIR OF BMPS ARE NECESSARY, IMPLEMENTATION MUST BE COMPLETED WITHIN 7 CALENDAR DAYS AND PRIOR TO ANY STORM EVENT (RAINFALL). ALL MEASURES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION UNTIL AREAS ARE PERMANENTLY STABILIZED.
    - 2.1.3 DOCUMENTATION: KEEP A LOG (REPORT) SUMMARIZING THE INSPECTIONS AND ANY CORRECTIVE ACTION TAKEN. THE LOG MUST INCLUDE THE NAME(S) AND QUALIFICATIONS OF THE PERSON MAKING THE INSPECTIONS, THE DATE(S) OF THE INSPECTIONS, AND MAJOR OBSERVATIONS ABOUT THE OPERATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS, MATERIALS STORAGE AREAS, AND VEHICLES ACCESS POINTS TO THE PARCEL. MAJOR OBSERVATIONS MUST INCLUDE BMPS THAT NEED MAINTENANCE, BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION, AND LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED. FOR EACH BMP REQUIRING MAINTENANCE, BMP NEEDING REPLACEMENT, AND LOCATION NEEDING ADDITIONAL BMPS, NOTE IN THE LOG THE CORRECTIVE ACTION TAKEN AND WHEN IT WAS TAKEN. THE LOG MUST BE MADE ACCESSIBLE TO DEPARTMENT STAFF AND A COPY MUST BE PROVIDED UPON REQUEST. THE PERMITTEE MUST RETAIN A COPY OF THE LOG FOR A PERIOD OF AT LEAST THREE YEARS FROM THE COMPLETION OF PERMANENT STABILIZATION.
- 3 HOUSEKEEPING
- 3.1 SPILL PREVENTION: CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM CONSTRUCTION AND WASTE MATERIALS STORED ON SITE TO ENTER STORMWATER, WHICH INCLUDES STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER. THE SITE CONTRACTOR OR OPERATOR MUST DEVELOP, AND IMPLEMENT AS NECESSARY, APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING MEASURES.

- 3.2 GROUNDWATER PROTECTION: DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS. ANY PROJECT PROPOSING INFILTRATION OF STORMWATER MUST PROVIDE ADEQUATE PRE-TREATMENT OF STORMWATER PRIOR TO DISCHARGE OF STORMWATER TO THE INFILTRATION AREA, OR PROVIDE FOR TREATMENT WITHIN THE INFILTRATION AREA, IN ORDER TO PREVENT THE ACCUMULATION OF FINES, REDUCTION IN INFILTRATION RATE, AND CONSEQUENT FLOODING AND DESTABILIZATION.
- 3.3 FUGITIVE SEDIMENT AND DUST: ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST CONTROL, BUT OTHER WATER ADDITIVES MAY BE CONSIDERED AS NEEDED. A STABILIZED CONSTRUCTION ENTRANCE (SCE) SHOULD BE INCLUDED TO MINIMIZE TRACKING OF MUD AND SEDIMENT. IF OFF-SITE TRACKING OCCURS, PUBLIC ROADS SHOULD BE SWEEP IMMEDIATELY AND NO LESS THAN ONCE A WEEK AND PRIOR TO SIGNIFICANT STORM EVENTS. OPERATIONS DURING DRY MONTHS, THAT EXPERIENCE FUGITIVE DUST PROBLEMS, SHOULD WET DOWN UNPAVED ACCESS ROADS ONCE A WEEK OR MORE FREQUENTLY AS NEEDED WITH A WATER ADDITIVE TO SUPPRESS FUGITIVE SEDIMENT AND DUST.
- 3.4 DEBRIS AND OTHER MATERIALS: MINIMIZE THE EXPOSURE OF CONSTRUCTION DEBRIS, BUILDING AND LANDSCAPING MATERIALS, TRASH, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS TO PRECIPITATION AND STORMWATER RUNOFF. THESE MATERIALS MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.
- 3.5 EXCAVATION DE-WATERING: EXCAVATION DE-WATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFER DAMS, PONDS, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION. IN MOST CASES THE COLLECTED WATER IS HEAVILY SILTED AND HINDERS CORRECT AND SAFE CONSTRUCTION PRACTICES. THE COLLECTED WATER REMOVED FROM THE PONDED AREA, EITHER THROUGH GRAVITY OR PUMPING, MUST BE SPREAD THROUGH NATURAL WOODED BUFFERS OR REMOVED TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, LIKE A COFFERDAM SEDIMENTATION BASIN. AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE. EQUIVALENT MEASURES MAY BE TAKEN IF APPROVED BY THE DEPARTMENT.
- 3.6 AUTHORIZED NON-STORMWATER DISCHARGES: IDENTIFY AND PREVENT CONTAMINATION BY NON-STORMWATER DISCHARGES. WHERE ALLOWED NON-STORMWATER DISCHARGES EXIST, THEY MUST BE IDENTIFIED AND STEPS SHOULD BE TAKEN TO ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORMWATER COMPONENT(S) OF THE DISCHARGE. AUTHORIZED NON-STORMWATER DISCHARGES ARE:
  - 3.6.1 DISCHARGES FROM FIREFIGHTING ACTIVITY;
  - 3.6.2 FIRE HYDRANT FLUSHINGS;
  - 3.6.3 DUST CONTROL RUNOFF IN ACCORDANCE WITH PERMIT CONDITIONS AND APPENDIX C(3);
  - 3.6.4 ROUTINE EXTERNAL BUILDING WASHDOWN, NOT INCLUDING SURFACE PAINT REMOVAL, THAT DOES NOT INVOLVE DETERGENTS;
  - 3.6.5 PAVEMENT WASHWATER (WHERE SPILLS/LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED, UNLESS ALL SPILLED MATERIAL HAD BEEN REMOVED) IF DETERGENTS ARE NOT USED;
  - 3.6.6 UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE;
  - 3.6.7 UNCONTAMINATED GROUNDWATER OR SPRING WATER;
  - 3.6.8 FOUNDATION OR FOOTER DRAIN-WATER WHERE FLOWS ARE NOT CONTAMINATED;
  - 3.6.9 UNCONTAMINATED EXCAVATION DEWATERING (SEE REQUIREMENTS IN APPENDIX C(5));
  - 3.6.10 POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS; AND
  - 3.6.11 LANDSCAPE IRRIGATION.
- 3.7 UNAUTHORIZED NON-STORMWATER DISCHARGES: THE D.E.P.'S APPROVAL UNDER THIS CHAPTER DOES NOT AUTHORIZE A DISCHARGE THAT IS MIXED WITH A SOURCE OF NON-STORMWATER, OTHER THAN THOSE DISCHARGES IN COMPLIANCE WITH APPENDIX C (6). SPECIFICALLY, THE DEPARTMENT'S APPROVAL DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING:
  - 3.7.1 WASTEWATER FROM THE WASHOUT OR CLEANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS;
  - 3.7.2 FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE;
  - 3.7.3 TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.

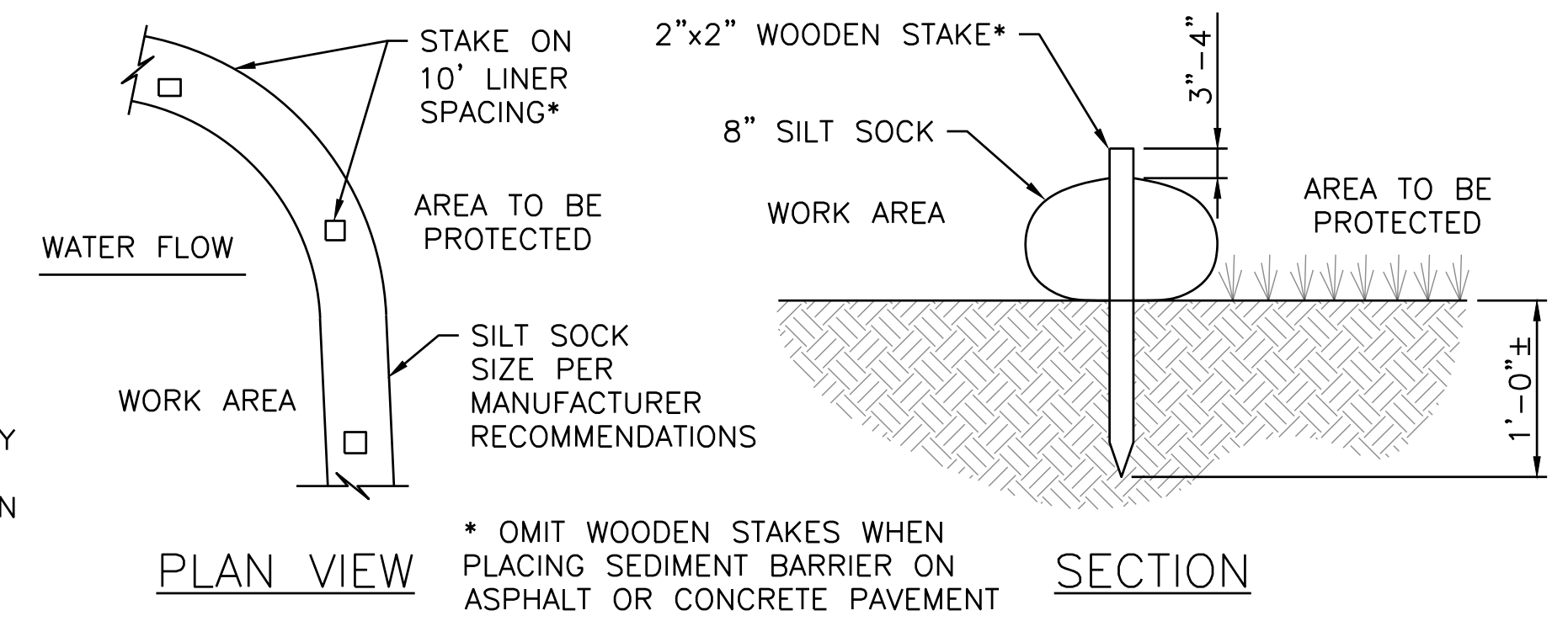


Scale: AS NOTED				Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753				 <div style="display: inline-block; vertical-align: middle;"> <p>47A York St Portland, ME 04101 207.553.7753</p>  <p><b>THE GOLD STAR MEMORIAL HIGHWAY</b></p> </div>				KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION MAINE TURNPIKE AUTHORITY																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">ISSUE FOR CONSTRUCTION</td> <td style="text-align: center;">MJK</td> <td style="text-align: center;">04/22/26</td> </tr> </tbody> </table>				No.	Revision	By	Date					0	ISSUE FOR CONSTRUCTION	MJK	04/22/26	CONSULTANT PROJECT MANAGER: MIKE KELLEY				<p>MTA PROJECT MANAGER: JACQUELINE HANSEN</p>				EROSION AND SEDIMENTATION CONTROL NOTES					
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								CONTRACT: 2026.08				14 OF 62																	

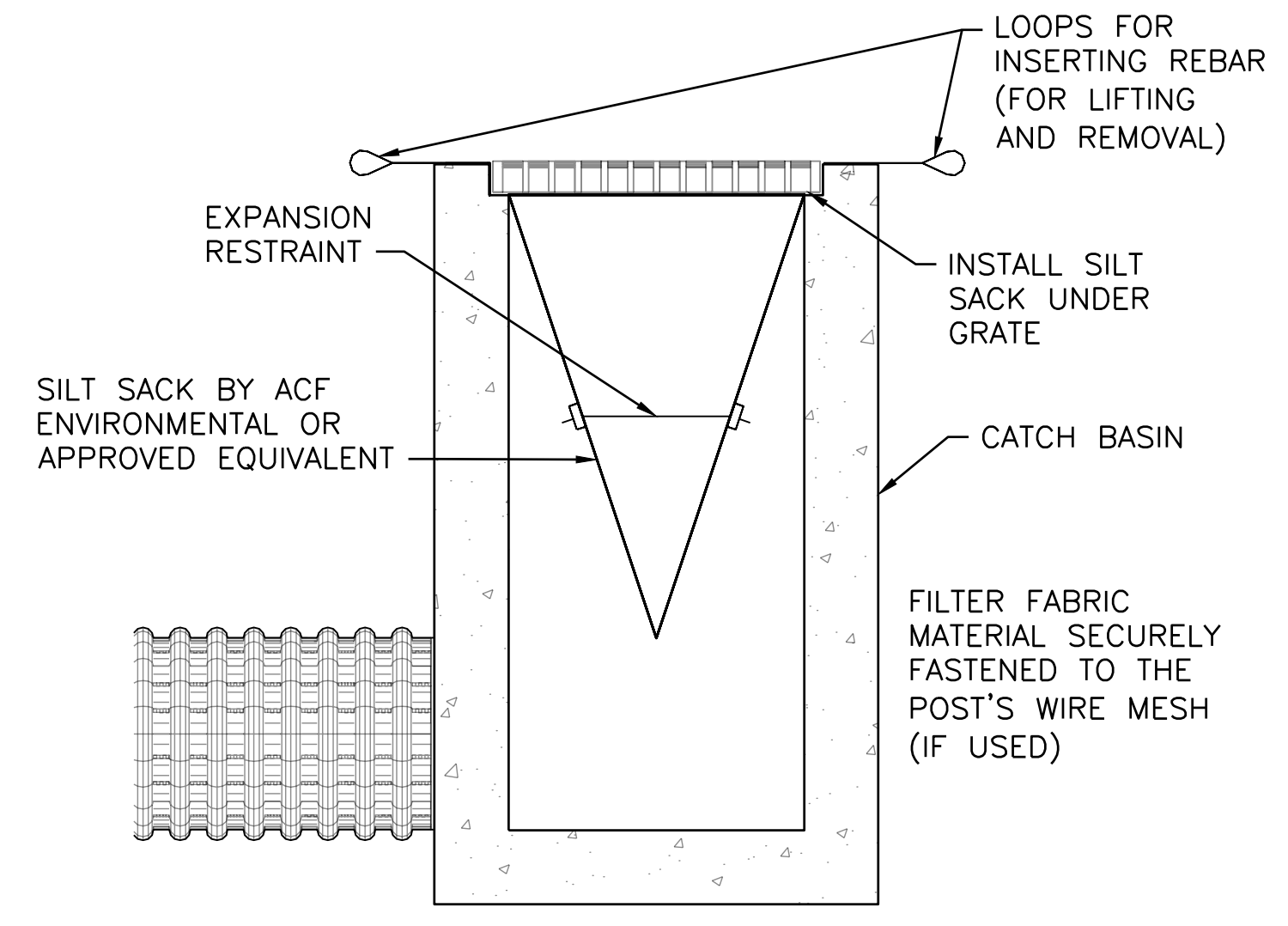


SEDIMENT BARRIER MUST BE INSTALLED IN ACCORDANCE WITH MAINE DEP EROSION AND SEDIMENT CONTROL BEST MANGEMENT PRACTICES

**1** SEDIMENT BARRIER – EROSION CONTROL MIX  
 NOT TO SCALE C-105



**2** SEDIMENT BARRIER – SILT SOCK DETAIL  
 NOT TO SCALE C-105



INLET PROTECTION MUST BE INSTALLED IN ACCORDANCE WITH MAINE DEP EROSION AND SEDIMENT CONTROL BEST MANGEMENT PRACTICES

**3** INLET PROTECTION DETAIL  
 NOT TO SCALE C-105

- NOTES:**
1. INSTALL SILTSACK PER MANUFACTURER'S RECOMMENDATIONS.
  2. SILTSACKS MUST BE CHECKED FOR SEDIMENT LEVEL AND OVERALL CONDITION IMMEDIATELY AFTER EVERY RAIN EVENT AND AT LEAST EVERY DAY DURING PROLONGED RAINFALL.
  3. SEDIMENT MUST BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE SILTSACK. REMOVED SEDIMENT MUST BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT WILL NOT ERODE.
  4. SEDIMENT MUST ONLY BE REMOVED BY REMOVING THE SILTSACKS FROM THE CATCH BASINS ACCORDING TO MANUFACTURER RECOMMENDATIONS.
  5. CARE MUST BE TAKEN TO AVOID SPILLING SEDIMENT WHILE REMOVING THE SILTSACK.
  6. ANY DAMAGED SILTSACK MUST BE REPLACED WITH A NEW SILTSACK.

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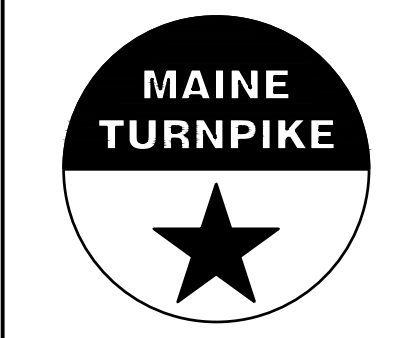
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 COLBY COMPANY, LLC  
 engineering & design  
 47A York Street, Portland, ME 04101  
 207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
Designed	LDA	04/22/2026	Checked	HLS	04/22/2026
Drawn	MAF	04/22/2026	In Charge of	MJK	04/22/2026



47A York St  
 Portland, ME  
 04101  
 207.553.7753



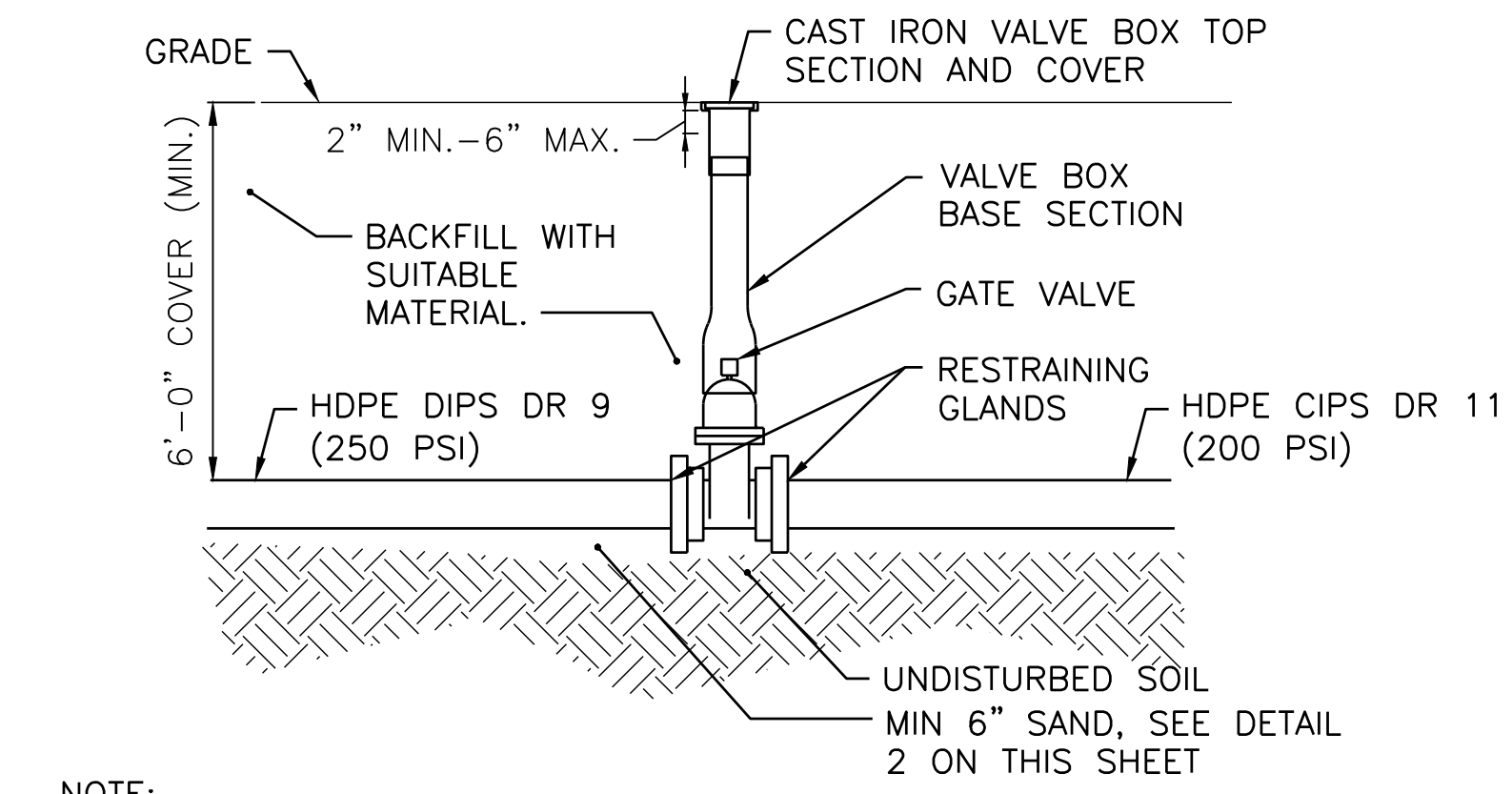
**THE GOLD STAR  
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
 MAINE TURNPIKE AUTHORITY  
 EROSION AND SEDIMENTAION CONTROL  
 DETAILS**

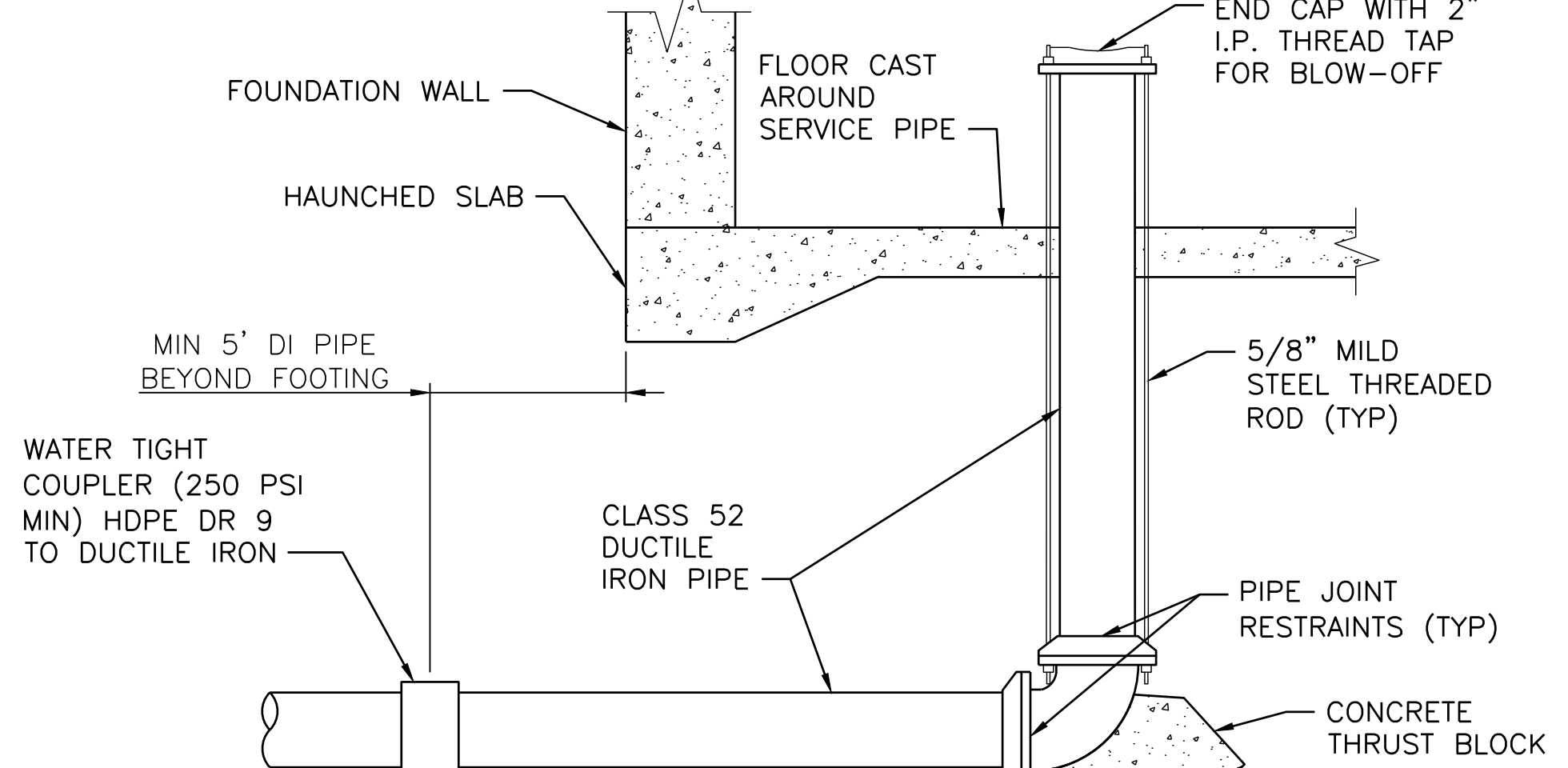
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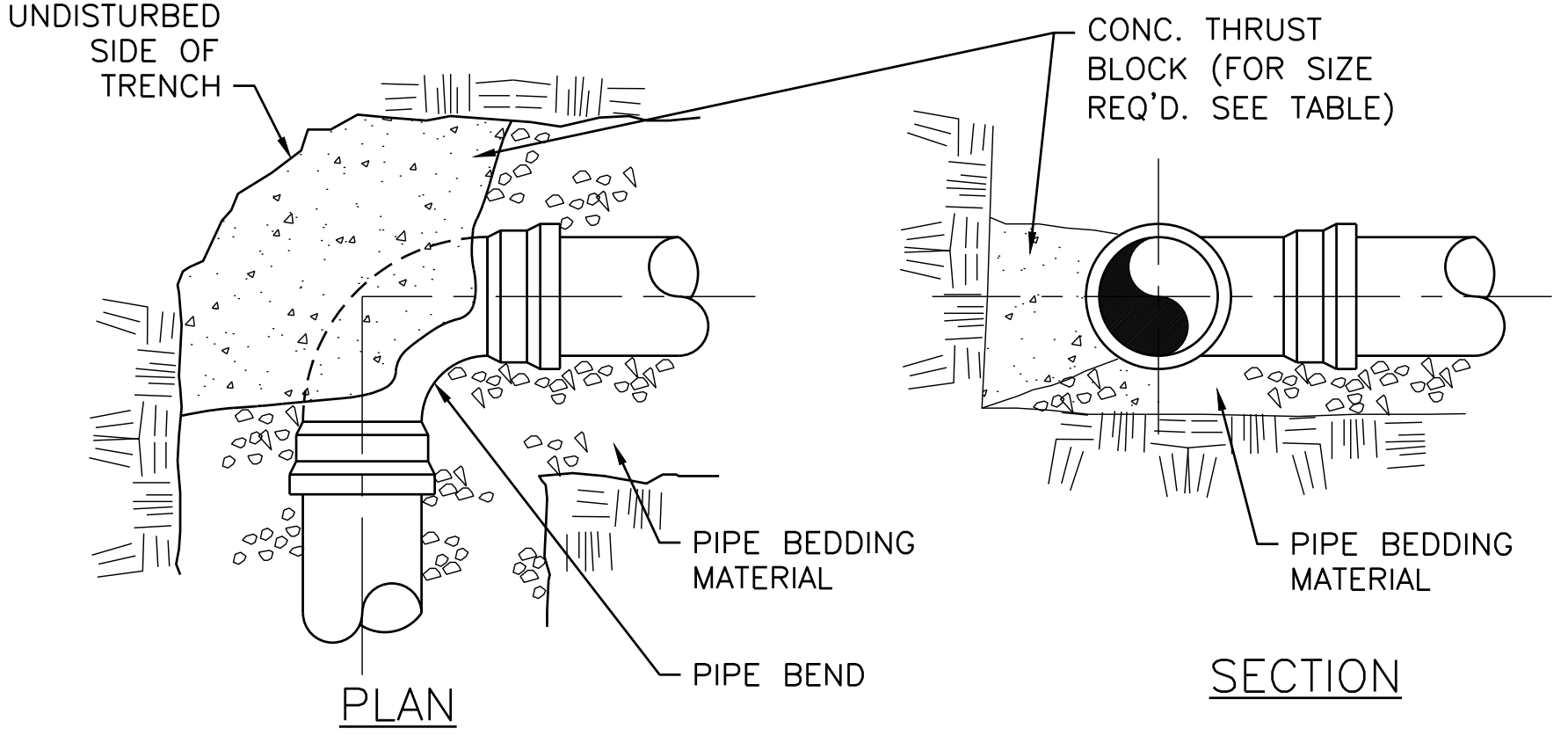
NOTE:  
1. WATER SERVICE AND GATE VALVE MUST BE CONSTRUCTED IN ACCORDANCE WITH MDOT SECTION 825 AND LOCAL WATER DISTRICT.

1 GATE VALVE DETAIL  
NOT TO SCALE C-103, C-104

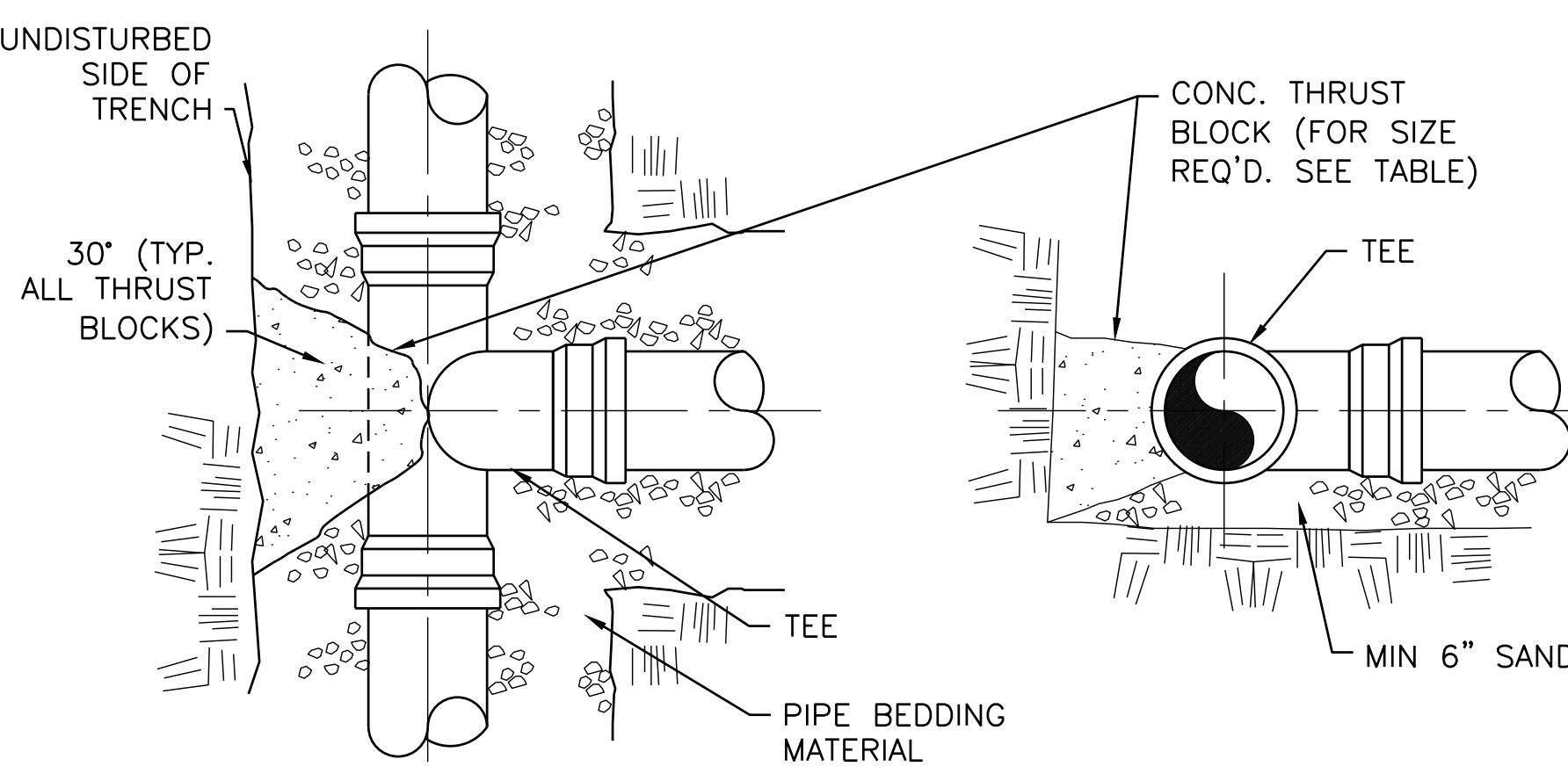


NOTE:  
1. POLYWRAP ALL DUCTILE IRON SUBSURFACE PIPE AND FITTINGS, THROUGH CONCRETE FLOOR

2 FIRE SERVICE ENTRANCE THROUGH FLOOR  
NOT TO SCALE C-103, C-104



PLACEMENT ON BENDS



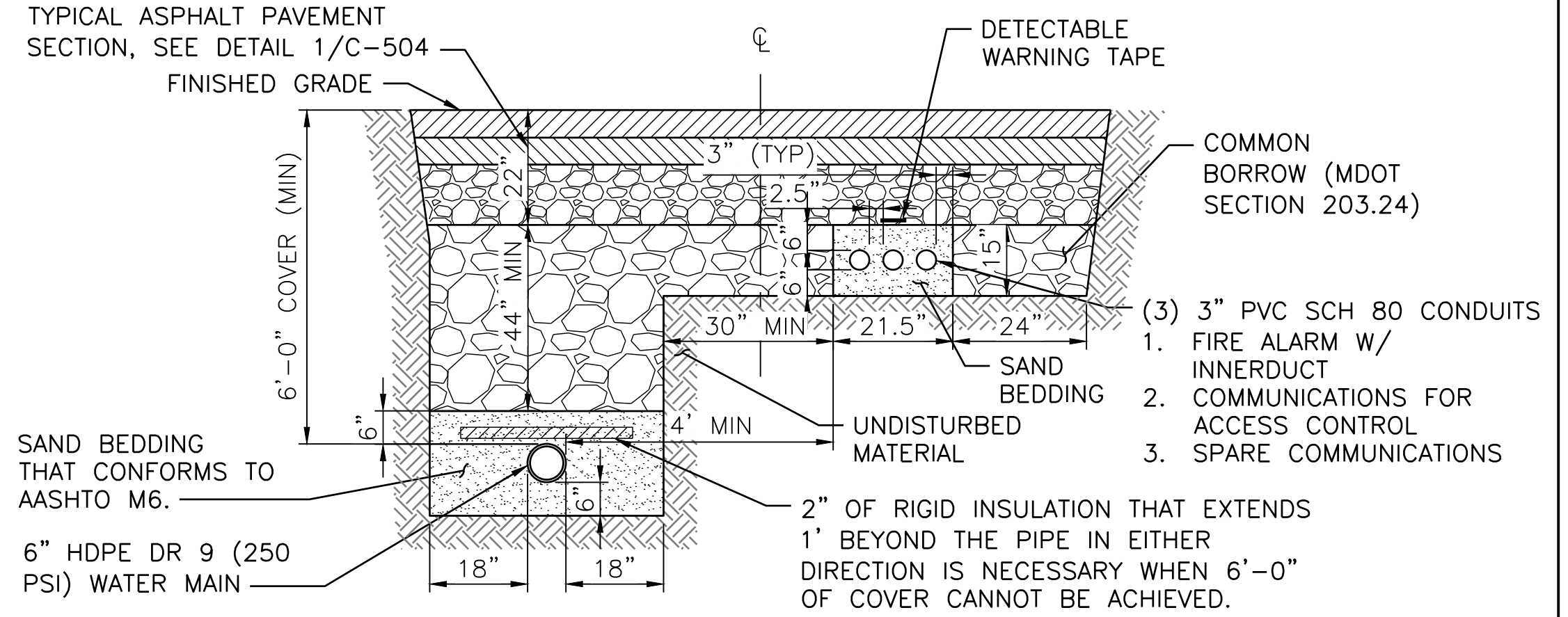
PLACEMENT ON TEES

4 THRUST BLOCK DETAIL  
NOT TO SCALE

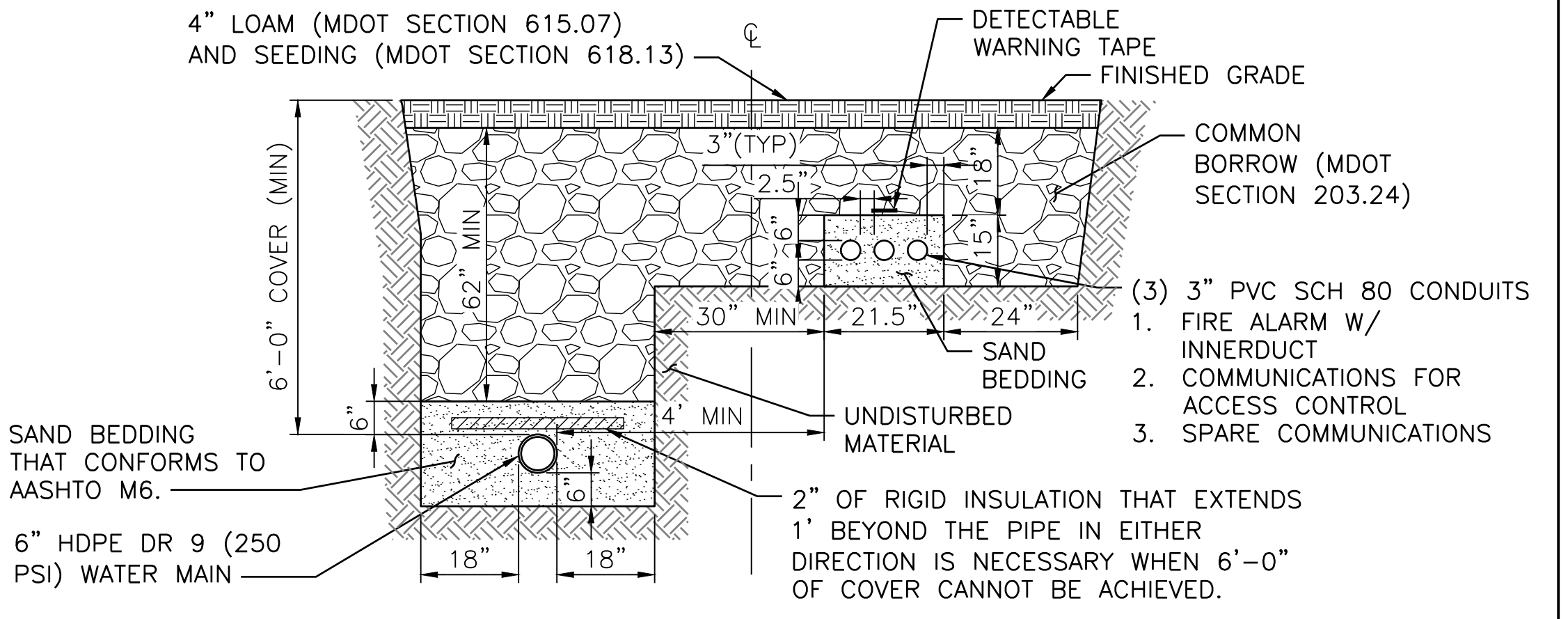
CONCRETE THRUST BLOCK SIZE REQUIREMENTS					
SQUARE FEET OF BEARING ON UNDISTURBED SOIL					
FITTINGS	90° BENDS	45° BENDS	TEES & PLUGS	HYDRANTS	
PIPE SIZE (IN)	4	2.0	1.0	1.0	N/A
	6	3.0	2.0	2.0	6.0
	8	5.0	3.0	4.0	N/A
	10	7.0	4.0	5.0	N/A
	12	10.0	6.0	7.0	N/A
	14	13.0	7.0	10.0	N/A
	16	17.0	9.0	12.0	N/A

SIZE REQUIREMENT TABLE

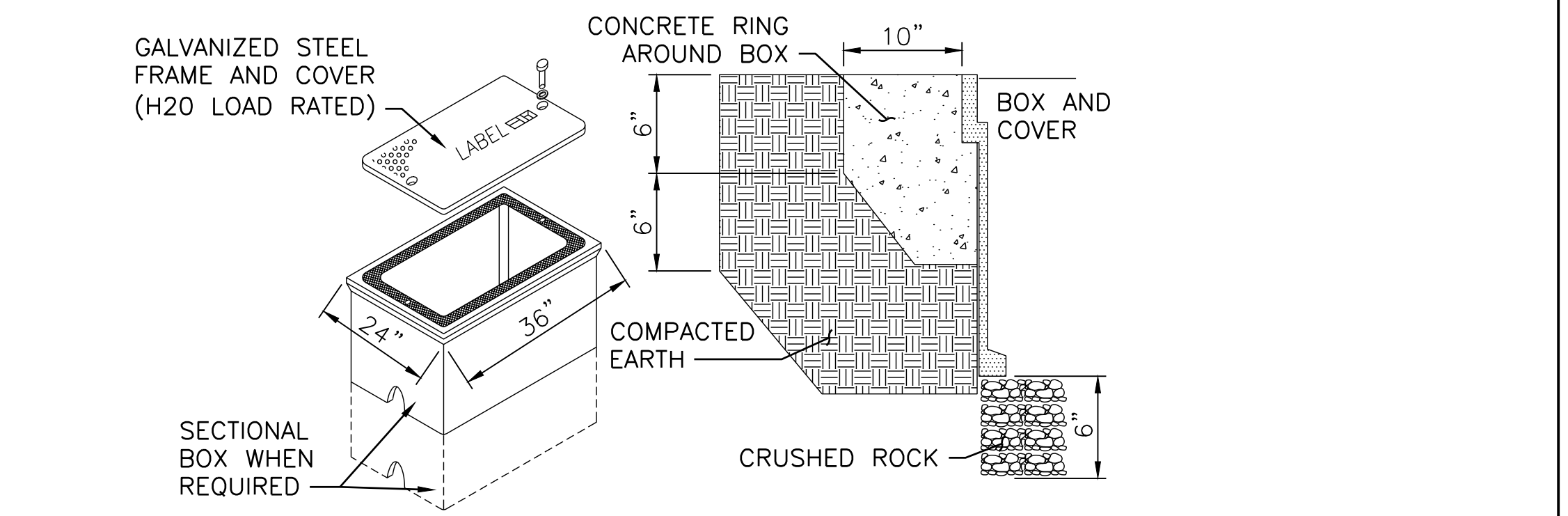
NOTES:  
1. FOR TRENCHES IN ROCK WHERE THE TOP OF THE ROCK FACE IS AT OR ABOVE THE PIPE CROWN, CONC. SHALL BE PLACED BETWEEN THE PIPE AND THE ROCK FACE.  
2. FOR BENDS HAVING A DEFLECTION OF LESS THAN 45°, THE THRUST BLOCK AREAS STATED FOR A 45° BEND SHALL BE USED.  
3. THE THRUST BLOCK BEARING AREAS ARE BASED ON A RESULTANT THRUST AT FITTINGS OF 100 PSI WATER PRESSURE AND A SOIL WITH A BEARING CAPACITY OF 2000 POUNDS PER SQUARE FOOT.  
4. THE MAXIMUM HEIGHT OF EACH THRUST BLOCK SHALL BE EQUAL TO 1/2 THE DISTANCE BETWEEN THE GROUND SURFACE AND THE BOTTOM OF THAT THRUST BLOCK.  
5. JOINTS SHALL NOT BE ENCASED IN CONCRETE.  
6. WATER MAIN, SERVICES AND ASSOCIATED WORK MUST BE COMPLETED IN ACCORDANCE WITH KENNEBUNK, KENNEBUNKPORT, AND WELLS WATER DISTRICT STANDARDS  
7. DO NOT COVER BELLS OR FLANGES WITH CONCRETE. THE CONTRACTOR SHALL REMOVE EXISTING THRUST BLOCKING OR RESTRAINTS WHERE NECESSARY TO ALLOW THE WORK TO PROCEED, AND SHALL REPLACE THE THRUST BLOCK WHERE REQUIRED. THE COST TO REMOVE, REPLACE, OR PROVIDE THRUST BLOCKING SHALL BE INCLUDED IN THE CONTRACT AMOUNT.  
8. THE CONTRACTOR SHALL SUPPLY AND INSTALL ANY ADDITIONAL BENDS WITH THRUST BLOCKING AND OTHER APPURTENANCES REQUIRED TO ASSURE PROPER INSTALLATION OF WATER MAINS AND LATERALS. THE CONTRACTOR MAY PULL PIPE AS NEEDED AT THE BENDS WHERE THE DEFLECTION ANGLE OF THE PIPE DOES NOT MATCH THE ANGLE OF THE BEND, PROVIDED THAT THE PIPE DEFLECTION IS WITHIN TOLERABLE MANUFACTURERS LIMITS. THE COST FOR ADDITIONAL BENDS AND BLOCKING SHALL BE INCLUDED IN THE CONTRACT AMOUNT.



3 UTILITY TRENCH DETAIL (PAVED AREAS)  
SCALE: NOT TO SCALE C-103, C-104



5 UTILITY TRENCH DETAIL (NON-PAVED AREAS)  
SCALE: NOT TO SCALE C-103, C-104



HANDHOLE REQUIREMENTS  
1. GALVANIZED STEEL ASSEMBLY DESIGN LOAD IS 16,000 LBS.  
2. BOX ONLY DESIGN LOAD IS 22,000 LBS  
3. PROVIDE LABEL "ELECTRICAL" FOR POWER HANDHOLES OR "TELEPHONE" FOR TELEPHONE HANDHOLES, OR AS INDICATED.  
4. PROVIDE HANDHOLE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE (NEC) 2023

6 QUAZITE HANDHOLE DETAIL  
SCALE: NOT TO SCALE C-103, C-104



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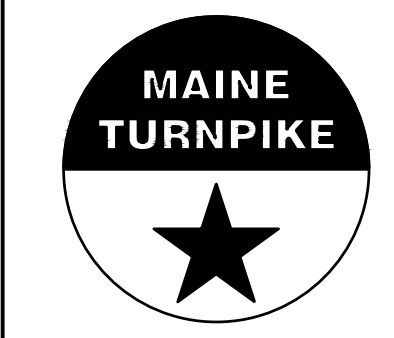
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47A York Street, Portland, ME 04101  
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

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Designed	LDA	04/22/2026	Checked	HLS	04/22/2026
Drawn	MAF	04/22/2026	In Charge of	MJK	04/22/2026



47A York St  
Portland, ME  
04101  
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THE GOLD STAR  
MEMORIAL HIGHWAY

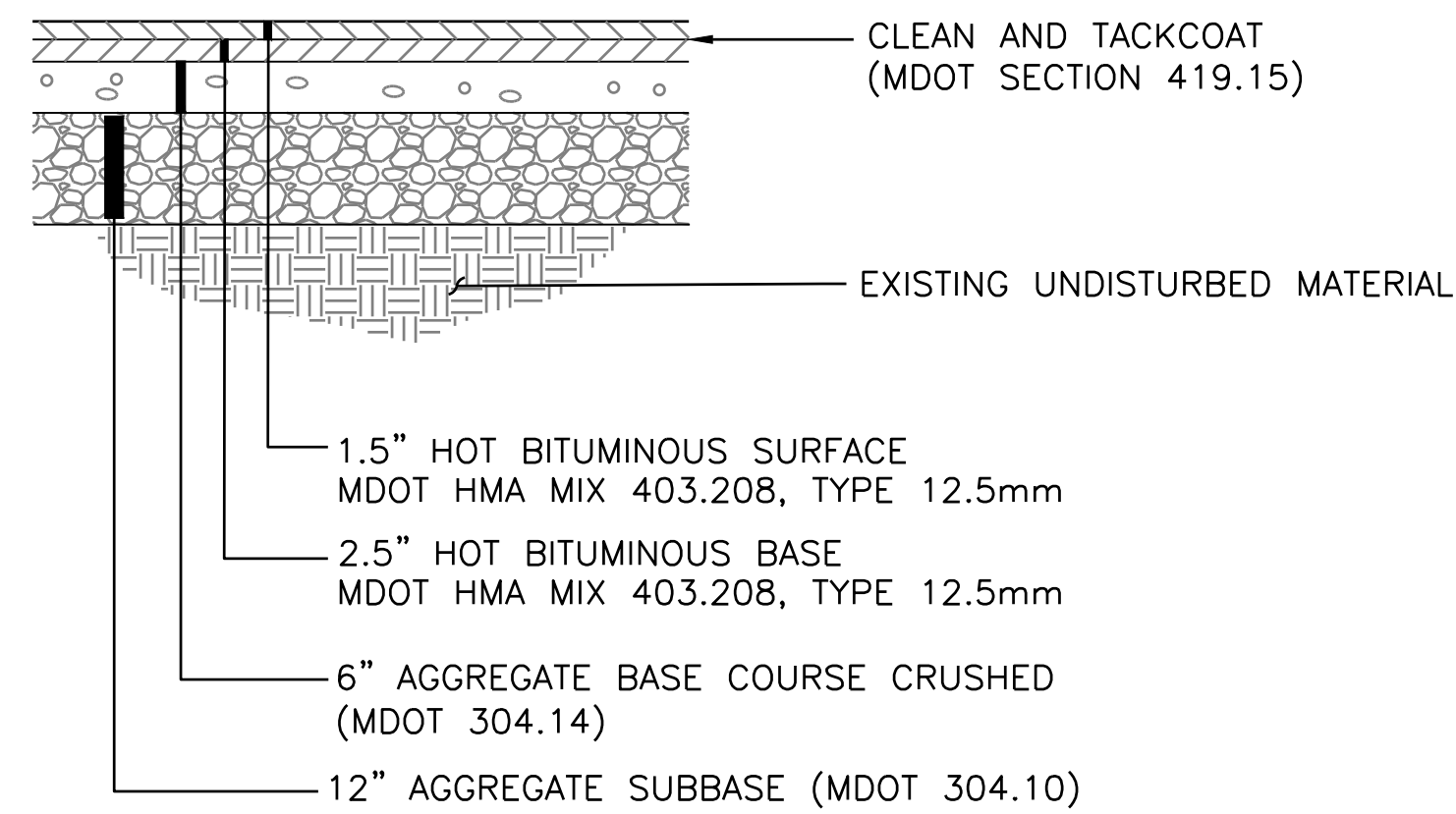
KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY

CIVIL CONSTRUCTION DETAILS (1 OF 2)

CONTRACT: 2026.08

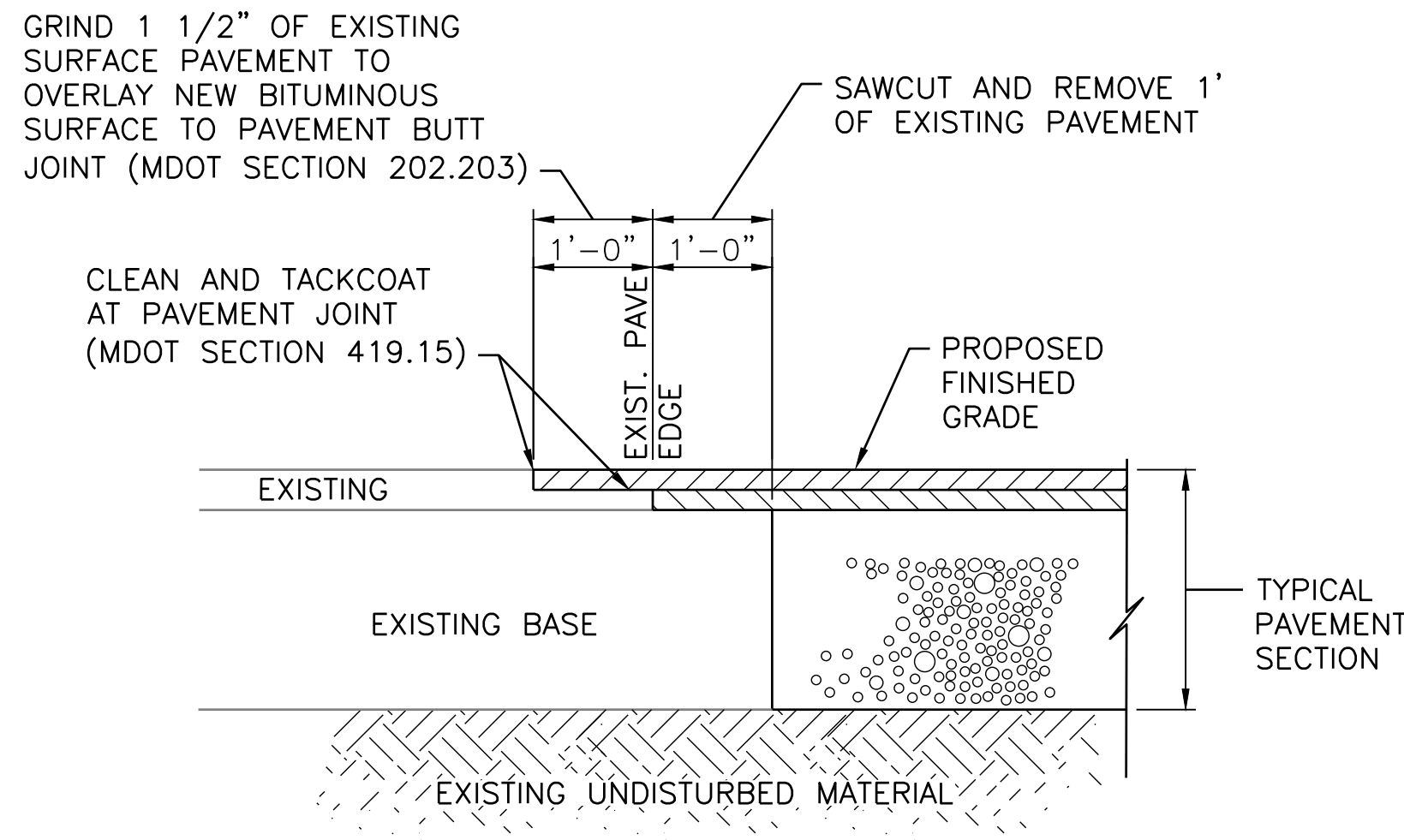
SHEET NUMBER: C-503  
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MTA PROJECT MANAGER: JACQUELINE HANSEN



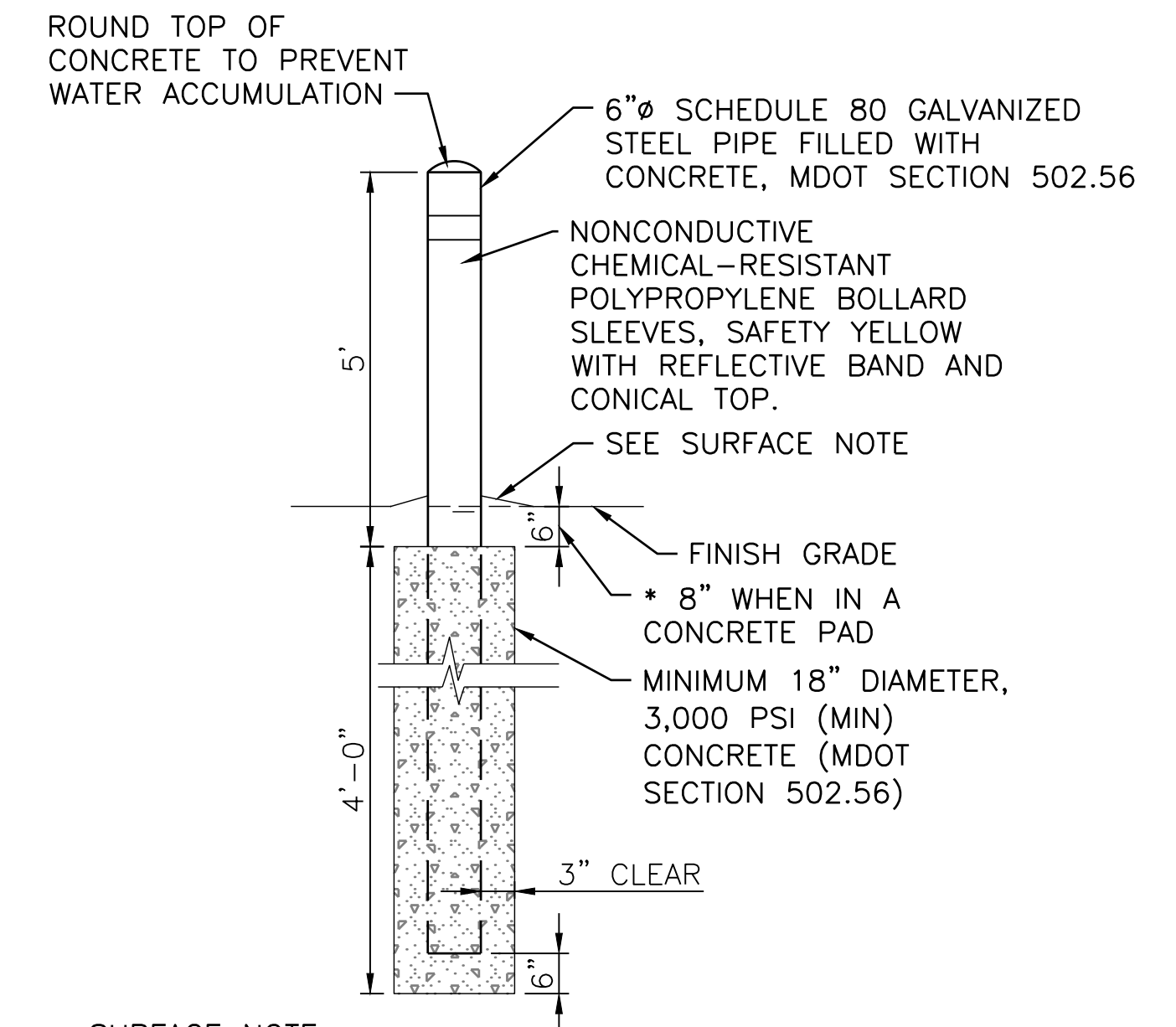
ALL ASPHALT PAVEMENT TO BE CONSTRUCTED IN ACCORDANCE WITH MDOT SECTION 403.

1 ASPHALT PAVEMENT SECTION  
NOT TO SCALE C-101, C-102



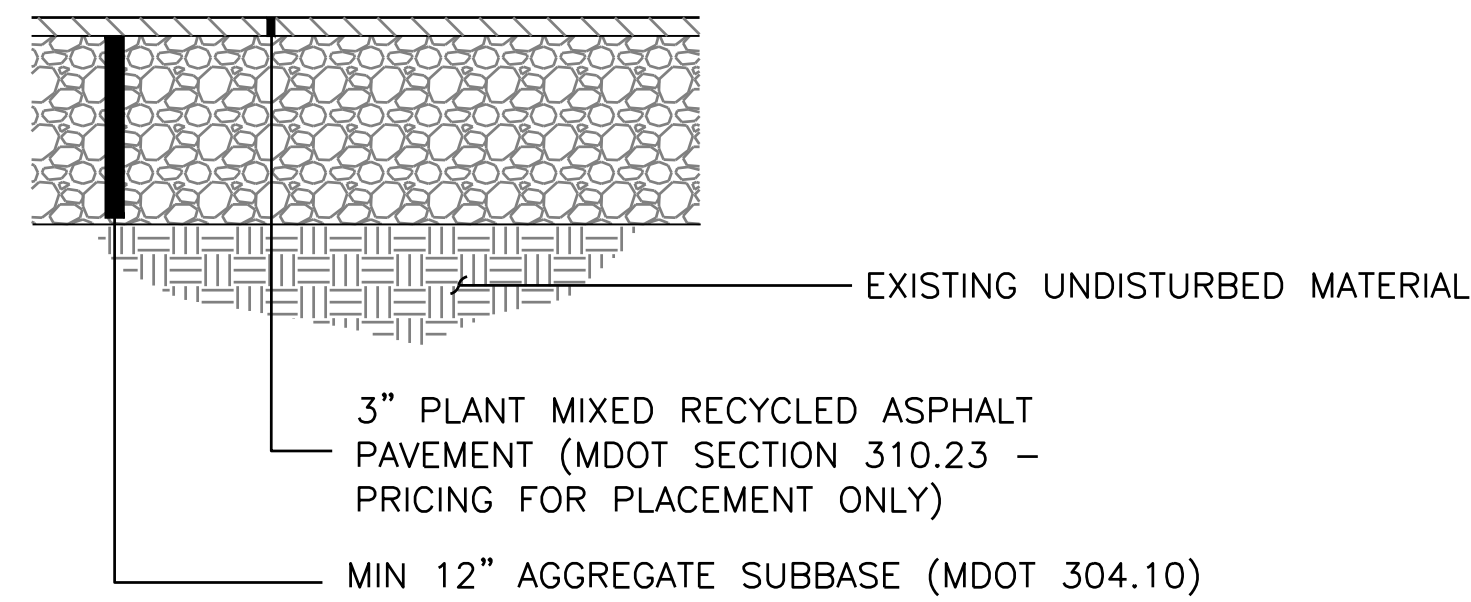
CONSTRUCT IN ACCORDANCE WITH MDOT SECTION 401

2 PAVEMENT SAWCUT DETAIL  
NOT TO SCALE C-101, C-102

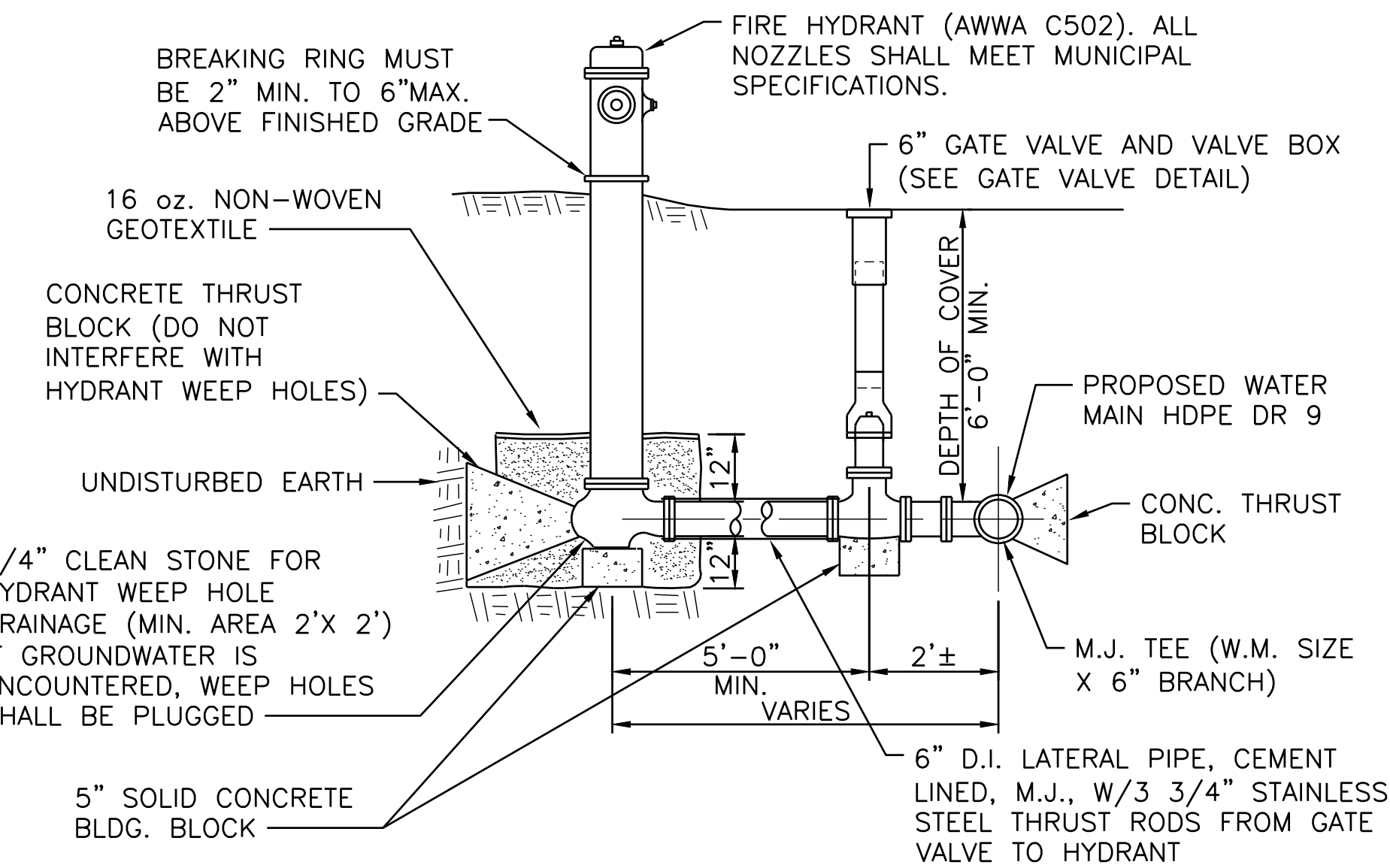


**SURFACE NOTE:**  
BITUMINOUS ASPHALT SURFACE: SLOPE ASPHALT AWAY FROM TUBE 1/4" PER FT ON ALL SIDES.  
CONCRETE SURFACE: PLACE BOLLARDS THEN POUR CONCRETE PAVEMENT, SURFACE FLUSH WITH TUBE.

3 BOLLARD DETAIL  
NOT TO SCALE C-101, C-102



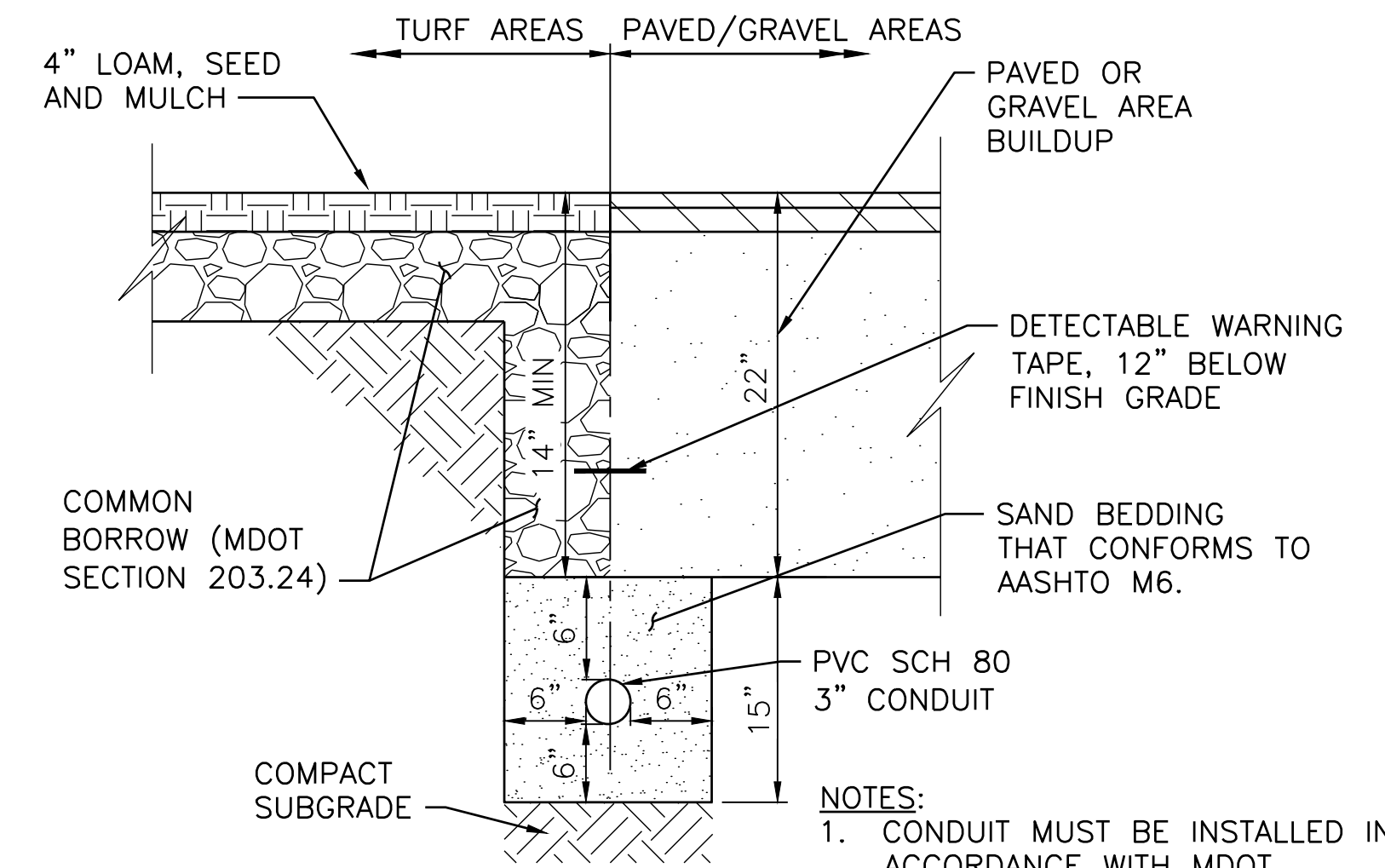
4 RECLAIMED ASPHALT SECTION  
NOT TO SCALE C-101, C-102



**NOTES:**

- JOINTS ON FIRE HYDRANT LATERAL MUST BE MECHANICAL JOINTS, WITH A MINIMUM OF (3) THRUST RODS EACH.
- DO NOT BLOCK HYDRANT WEEP HOLES WITH CONCRETE THRUST BLOCK.
- ENGINEER MAY ORDER WEEP HOLES PLUGGED IF HYDRANT BASE IS BELOW HIGH GROUND WATER TABLE.
- FIELD VERIFY HYDRANT ELEVATIONS PRIOR TO ORDERING RISERS
- VERIFY WITH WATER DEPARTMENT THE PROPER VALVE OPENING DIRECTION.
- CONSTRUCT IN ACCORDANCE WITH MDOT SECTION 825 AND TOWN OF KENNEBUNK FIRE DEPARTMENT STANDARDS

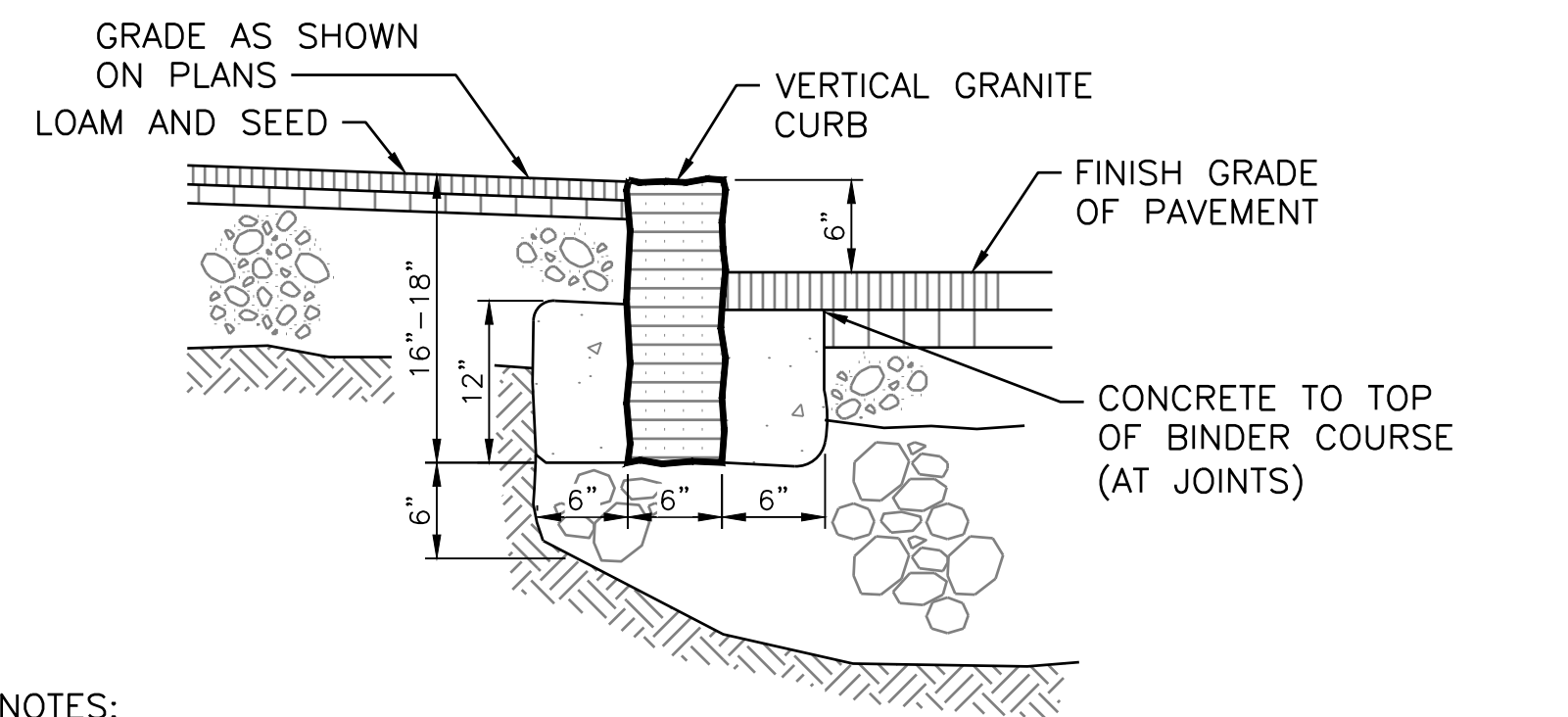
6 HYDRANT ASSEMBLY DETAIL  
NOT TO SCALE C-103, C-104



**NOTES:**

- CONDUIT MUST BE INSTALLED IN ACCORDANCE WITH MDOT SECTION 626.
- CONTRACTOR MUST PROVIDE DETAILED AS-BUILT LOCATION INFORMATION FOR ALL CONDUIT AND SLEEVES TO THE OWNER.
- CONSTRUCT IN ACCORDANCE WITH CMP STANDARDS

7 ELECTRICAL SERVICE TRENCH  
NOT TO SCALE C-103, C-104



**NOTES:**

- ALL NEW CURB TO BE CONSTRUCTED IN ACCORDANCE WITH MDOT SECTION 609.

5 GRANITE CURB DETAIL  
NOT TO SCALE C-101, C-102

Scale: AS NOTED

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COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753

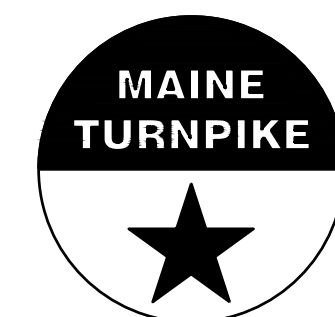
CONSULTANT PROJECT MANAGER: MIKE KELLEY

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

	By	Date		By	Date
Designed	LDA	04/22/2026	Checked	HLS	04/22/2026
Drawn	MAF	04/22/2026	In Charge of	MJK	04/22/2026



47A York St  
Portland, ME  
04101  
207.553.7753



**THE GOLD STAR  
MEMORIAL HIGHWAY**

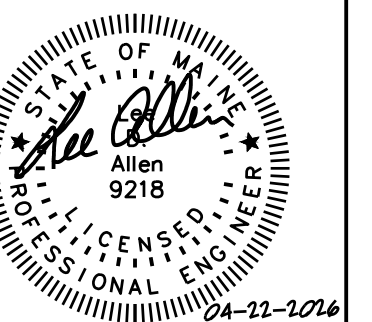
MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
CIVIL CONSTRUCTION DETAILS (2 OF 2)**

SHEET NUMBER: C-504

CONTRACT: 2026.08

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**GENERAL NOTES:**

- CONSULT ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION FOR LOCATIONS AND DIMENSIONS OF OPENINGS, SLEEVES, DEPRESSIONS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE ONLY AFTER THE STRUCTURAL WORK CONTAINED IN THE DRAWINGS IS COMPLETED. DETERMINE ERECTION PROCEDURES AND SEQUENCING TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION, INCLUDING THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS. SUCH MATERIAL MUST REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS ARE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS.
- THE CONTRACTOR MUST SUBMIT COMPLETE SHOP DRAWINGS FOR THE WORK, INCLUDING DESCRIPTION OF SHORING, AND CONSTRUCTION METHODS AND SEQUENCING WHERE APPLICABLE. DO NOT PERFORM WORK WITHOUT REVIEW AND APPROVAL OF THE SHOP DRAWINGS BY THE ENGINEER OF RECORD.
- APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS MUST BE FOLLOWED, INCLUDING THOSE GOVERNING THE APPLICABLE ACTIVITIES ISSUED BY FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.

**DESIGN LOADING:**

REFERENCED STANDARDS:

IBC 2021

1. DEAD LOADS

A. ROOF – INTERIOR RESTROOM ASSEMBLY	
i. ROOFING – WOOD PANEL	3 PSF
ii. INSULATION	2 PSF
iii. JOISTS	3 PSF
iv. SHEATHING	2 PSF
v. MECH/ELEC/PLUMB	4 PSF
vi. SPRINKLERS	3 PSF
vii. CEILING	2 PSF
TOTAL	19 PSF

2. LIVE LOADS

A. ROOF AREAS USED FOR MAINTENANCE ACCESS	40 PSF+
B. GUARDRAILS	50 PLF (200 LB CONCENTRATED) APPLIED AT 42" ABOVE FLOOR SURFACE

3. SEISMIC LOADS

A. RISK CATEGORY	II
B. IMPORTANCE FACTOR:	1.0
C. SITE CLASS:	D (DEFAULT)
D. SPECTRAL RESPONSE ACCELERATION PARAMETERS:	
i. SHORT PERIOD, $S_s$ :	0.298 g
ii. SHORT PERIOD DESIGN, $S_{ds}$ :	0.310 g
iii. 1-SECOND, $S_1$ :	0.073 g
iv. 1-SECOND DESIGN, $S_{d1}$ :	0.116 g
v. LONG PERIOD TRANSITION PERIOD, $T_L$ :	6 SECONDS
E. SEISMIC DESIGN CATEGORY:	B
F. SEISMIC FORCE RESISTING SYSTEM(S):	LIGHT-FRAME WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE
G. RESPONSE MODIFICATION FACTOR(S), R:	6.5
H. SEISMIC RESPONSE COEFFICIENT(S), $C_s$ :	0.103
I. ANALYSIS PROCEDURE:	EQUIVALENT LATERAL FORCE PROCEDURE
J. BASE SHEAR:	7.9 KIPS

4. THE STRUCTURE IS DESIGNED FOR THE DEAD, LIVE AND LATERAL LOADS INDICATED ABOVE. ANY INCREASE OF LOADS DUE TO CHANGE IN USAGE OR CONSTRUCTION MATERIALS MUST HAVE THE WRITTEN APPROVAL OF THE ENGINEER. DO NOT STORE CONSTRUCTION MATERIALS OR UNDERTAKE CONSTRUCTION OPERATIONS WHICH WILL EXCEED THE DESIGN LIVE LOAD CAPACITIES NOTED.

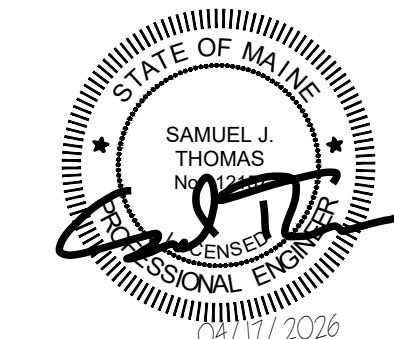
5. ADDITIONAL EQUIPMENT NOT SHOWN ON THE STRUCTURAL DRAWINGS AND EXCEEDING 300 POUNDS IN WEIGHT MUST BE BROUGHT TO THE ENGINEER'S ATTENTION FOR APPROVAL PRIOR TO INSTALLATION. COORDINATE WITH THE ARCHITECTURAL AND MEP DRAWINGS.

**CONCRETE NOTES:**

- CONCRETE WORK MUST CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-19)", AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301)". GENERAL CONTRACTOR MUST HAVE AVAILABLE ON SITE AT ALL TIMES A COPY OF THE ACI "FIELD REFERENCE MANUAL SP-15".
- CONCRETE MUST BE PLACED IN THE PRESENCE OF A REPRESENTATIVE OF AN APPROVED TESTING AGENCY COORDINATED AND PAID FOR BY THE CONTRACTOR.
- PORTLAND CEMENT MUST CONFORM TO ASTM C150 TYPE I OR II OR ASTM C595 TYPE 1L, PORTLAND-LIMESTONE. AGGREGATES MUST CONFORM TO ASTM C33 CLASS 3S.
- READY-MIX CONCRETE MUST COMPLY WITH THE REQUIREMENTS OF ASTM C94, AND AS SPECIFIED HEREIN. PROVIDE BATCH TICKET FOR EACH BATCH DISCHARGED AND USED IN WORK, INDICATING PROJECT NAME, MIX TYPE, MIX TIME, BATCH QUANTITY, AND PROPORTIONS OF INGREDIENTS. JOB-SITE MIXING IS NOT PERMITTED.
- REINFORCING BARS MUST CONFORM TO ASTM A615 GRADE 60 DEFORMED BARS AND MUST BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315, LATEST EDITION. WELDING OF REINFORCEMENT MUST NOT BE PERMITTED.
- CONCRETE MIX DESIGN:
  - a. STRENGTH:  $f_c' = 4500$  PSI STRUCTURAL SLABS, WALLS, SPREAD FOOTINGS AND FILL UNDER SPREAD FOOTINGS, MATS
  - b. EXPOSURE CLASSES:
    - i. INTERIOR SLAB ON GRADE: F0, S0, W0, C0
  - c. AGGREGATE: THE NOMINAL MAXIMUM SIZE OF COARSE AGGREGATE MUST NOT EXCEED 3/4"
  - d. W/C RATIO: 0.45
  - e. ENTRAPPED AIR: 6% ± 1 1/2% FOR CONCRETE EXPOSED TO WEATHER OR SOIL, 3% OTHERWISE
  - f. SLUMP: 4" (±1") BEFORE ADDITION OF HIGH RANGE WATER REDUCER OR PLASTICIZER
  - g. ADD AIR ENTRAINING ADMIXTURE AT MANUFACTURER'S PRESCRIBED RATIO TO RESULT IN CONCRETE AT POINT OF PLACEMENT HAVING THE ABOVE NOTED AIR CONTENTS.
  - h. ADDITIONAL SLUMP MAY BE ACHIEVED BY THE ADDITION OF A MIDRANGE OR HIGH RANGE WATER REDUCING ADMIXTURE. MAXIMUM SLUMP AFTER ADDITION OF ADMIXTURE IS 8 INCHES.
  - i. MIX ADJUSTMENTS MAY BE REQUESTED BY THE CONTRACTOR, WHEN CHARACTERISTICS OF THE MATERIALS, JOB CONDITIONS, WEATHER, OR OTHER CIRCUMSTANCES WARRANT, AT NO ADDITIONAL COST AND AS ACCEPTED BY THE ENGINEER. LABORATORY TEST DATA FOR THE REVISED MIX DESIGN AND STRENGTH DATA MUST BE SUBMITTED AND ACCEPTED BY THE ENGINEER BEFORE USE.
  - j. WATER MAY BE ADDED AT THE PROJECT SITE ONLY IF THE MAXIMUM SPECIFIED WATER-CEMENT RATIO AND SLUMP ARE NOT EXCEEDED. CONTRACTOR MUST HAVE BATCH TICKET INDICATING WATER AND CEMENT MIXED IN THE PLANT, AND MUST RECORD THE WATER ADDED AS EVIDENCE THAT THE WATER-CEMENT RATIO IS NOT EXCEEDED.
  - k. ADDITIONAL DOSES OF SUPERPLASTICIZER SHOULD BE USED WHEN DELAYS OCCUR AND REQUIRED SLUMP HAS NOT BEEN MAINTAINED. A MAXIMUM OF TWO ADDITIONAL DOSAGES ARE PERMITTED PER ACI 212.3R RECOMMENDATIONS.
- CONCRETE MUST NOT BE PLACED IN WATER OR ON FROZEN GROUND. CONCRETE MUST BE PLACED WITHOUT HORIZONTAL CONSTRUCTION JOINTS, EXCEPT WHERE SHOWN OR NOTED.
- PROVIDE PVC SLEEVES WHERE PIPES PASS THROUGH EXTERIOR CONCRETE, OR SLABS, UNLESS SHOWN OTHERWISE.
- COMPLETE SHOP DRAWINGS AND SCHEDULES OF REINFORCING STEEL MUST BE PREPARED AND SUBMITTED TO THE ENGINEER FOR REVIEW. PROVIDE NECESSARY ACCESSORIES TO HOLD REINFORCEMENT SECURELY IN POSITION.
- MINIMUM CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT MUST BE AS FOLLOWS:
  - a. SURFACES CAST AGAINST AND PERMANENTLY IN CONTACT WITH EARTH: 3"
  - b. FORMED SURFACES IN CONTACT WITH EARTH OR EXPOSED TO WEATHER: 2"
  - c. SURFACES NOT IN CONTACT WITH EARTH OR EXPOSED TO WEATHER: 1 1/2"
- INSTALLATION OF REINFORCEMENT MUST BE COMPLETED AT LEAST 24 HOURS PRIOR TO THE SCHEDULED CONCRETE PLACEMENT. NOTIFY ENGINEER OF COMPLETION AT LEAST 24 HOURS PRIOR TO THE SCHEDULED COMPLETION OF THE INSTALLATION OF REINFORCEMENT.

**ABBREVIATIONS:**

AFF	ABOVE FINISH FLOOR
@	AT
APPROX.	APPROXIMATELY
ARCH	ARCHITECTURAL
BLDG.	BUILDING
BOT.	BOTTOM
B.O.	BOTTOM OF
B.P.	BASEPLATE
C.J.	CONTROL JOINT
CL	CENTER LINE
CLR	CLEAR
CONC, CONC.	CONCRETE
CONN, CONN.	CONNECTION
COL, COL.	COLUMN
CONT.	CONTINUOUS
DBL, DBL.	DOUBLE
DIA., ø	DIAMETER
DIM.	DIMENSION
DWG.	DRAWING
EA.	EACH
EMBED	EMBEDMENT
ELEV.	ELEVATION
EQ, EQ.	EQUAL
EQUIP.	EQUIPMENT
EXIST., (E)	EXISTING
EXT.	EXTERIOR
E.W.	EACH WAY
FNDN	FOUNDATION
FFE	FINISH FLOOR ELEVATION
F.S.	FAR SIDE
FT	FEET
GLAV.	GALVANIZED
GEN.	GENERAL
GR.	GRADE
HORIZ.	HORIZONTAL
HT/	HEIGHT
I.J.	ISOLATION JOINT
IN.	INCH
INT.	INTERIOR
LB	POUNDS
LG	LONG
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MANUF.	MANUFACTURER
MAX.	MAXIMUM
MECH.	MECHANICAL
MIN.	MINIMUM
MWFRS	MAIN WIND-FORCE RESISTING SYSTEM
NTS	NOT TO SCALE
O.C.	ON CENTER
PAF	POWDER ACTUATED FASTENER
PL	PLATE
±	PLUS/MINUS
REF, REF.	REFERENCE
REQ'D, REQ.	REQUIRED
SCH.	SCHEDULE
SECT.	SECTION
SHT.	SHEET
SIM.	SIMILAR
SPA.	SPACES
SPEC.	SPECIFICATION
T&B	TOP AND BOTTOM
T.A.	TOP OF
T.A.D.	TOP OF STEEL
THRU	THROUGH
TYP, TYP.	TYPICAL
VERT.	VERTICAL
VIF, V.I.F.	VERIFY IN FIELD



Scale: AS NOTED			
No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753					
CONSULTANT PROJECT MANAGER: MIKE KELLEY					
	By	Date		By	Date
Designed	JMP	04/17/26	Checked	SJT	04/17/26
Drawn	CWY	04/17/26	In Charge of		



47A York St  
Portland, ME  
04101  
207.553.7753



**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**GENERAL NOTES, ABBREVIATIONS AND  
LEGENDS**

SHEET NUMBER: S-001  
**18 OF 62**

CONTRACT: 2026.08

## STRUCTURAL STEEL NOTES:

1. DESIGN STANDARDS
  - a. "STEEL CONSTRUCTION MANUAL", SIXTEENTH EDITION, AISC (INCLUDING "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", AISC 360, "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", RCSC, "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", AISC.)
  - b. "DETAILING FOR STEEL CONSTRUCTION", AISC
  - c. "STRUCTURAL WELDING CODE - STEEL", AWS D1.1.
2. ALL STEEL MUST BE HOT DIP GALVANIZED, UNLESS NOTED OTHERWISE.
3. MATERIALS
 

a. PLATES	ASTM A572, GRADE 50, Fy = 50 KSI
b. STEEL PIPE	ASTM A53, GRADE B, Fy = 35 KSI
c. HIGH STRENGTH BOLTS	ASTM F3125 GRADE A325-N (U.N.O.)
d. WASHERS AND NUTS	ASTM F436 AND ASTM A563
e. THREADED RODS	ASTM A36
f. WELDING ELECTRODES	AWS A5.1 OR A5.5, E70XX
g. EXPANSION BOLTS	HILTI KWIK BOLT 3 OR APPROVED EQUAL SUBMIT ICC-ES REPORT(S) FOR ANY PROPOSED EQUAL
4. BOLTS ARE BEARING TYPE AND MUST BE FULLY TENSIONED. BOLT HOLES MUST BE STANDARD SIZES UNLESS NOTED OTHERWISE.
5. STEEL MEMBERS MUST BE CUT FROM FULL LENGTH STOCK. UNAUTHORIZED SPLICES WILL BE CAUSE FOR REJECTION.
6. LADDERS SHALL BE DESIGNED FOR OSHA AND ANSI COMPLIANCE, INCLUDING SIDERAIL SPACING, CLEARANCES, RUNG SIZE AND SPACING, AND ACCESS REQUIREMENTS INCLUDING SELF CLOSING GATES.

## MASONRY NOTES:

1. DESIGN CODES AND STANDARDS  
"BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" TMS 402 AND "SPECIFICATIONS FOR MASONRY STRUCTURES" TMS 602.
2. MATERIALS
  - a. LOAD-BEARING MEDIUM WEIGHT CONCRETE MASONRY UNITS HOLLOW ASTM C90
  - b. MORTAR  
ASTM C270 - TYPE M OR S
  - c. GROUT  
ASTM C476, MINIMUM COMPRESSIVE STRENGTH f'c AT 28 DAYS = 2,500 PSI
  - d. HORIZONTAL JOINT REINFORCING  
ASTM A82, ASTM A951
  - e. ANCHORS AND TIES  
ASTM A36, ASTM A82, ASTM A366, ASTM A1008
  - f. PRISM STRENGTH  
f'm = 2,000 PSI (MINIMUM NET AREA COMPRESSIVE STRENGTH OF UNITS 2,000 PSI)
3. GENERAL
  - a. PROVIDE MASONRY ANCHORS AND TIES ON COURSING BETWEEN MASONRY CONSTRUCTION AND THE BUILDING STRUCTURE AS DETAILED ON THE DRAWINGS.
  - b. IN GROUTED AND REINFORCED MASONRY WALLS, USE MASONRY UNITS WITH CORES THAT ALIGN VERTICALLY TO PROVIDE CONTINUOUS UNOBSTRUCTED CELLS FOR GROUTING AND REINFORCING STEEL PLACEMENT.

- c. SUBMIT GROUT MIX DESIGN AND MASONRY UNIT CERTIFICATIONS TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO PROCEEDING WITH THE WORK.
- d. CONTRACTOR MUST PROVIDE ADEQUATE BRACING AND SUPPORT FOR MASONRY WORK UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
4. INSPECTION AND TESTING
  - a. THE CONTRACTOR WILL ENGAGE A TESTING AND INSPECTION AGENCY TO PROVIDE SERVICES AS INDICATED BELOW AND SUBMIT REPORTS TO THE ARCHITECT AND STRUCTURAL ENGINEER.
  - b. MASONRY MUST BE INSPECTED AND TESTED IN ACCORDANCE WITH LEVEL 2 QUALITY ASSURANCE CRITERIA PROVIDED IN TMS 402 3.1 AND TABLES 3 AND 4 OF TMS 602 BY THE APPROVED AGENCY REFERENCED ABOVE.
  - c. THE AGENCY MUST MONITOR THE PROPORTIONING, MIXING AND CONSISTENCY OF THE MORTAR AND GROUT; THE PLACEMENT OF MORTAR, GROUT AND MASONRY UNITS; AND THE PLACEMENT OF REINFORCING STEEL FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.

## TIMBER NOTES:

1. EXTENT OF STRUCTURAL WOOD FRAMING IS SHOWN ON DRAWINGS
2. DESIGN STANDARDS:
  - a. "AMERICAN INSTITUTE OF TIMBER CONSTRUCTION- (AITC)"
  - b. "AMERICAN FOREST & PAPER ASSOCIATION - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" (NDS)
3. PROVIDE TIMBER GRADED BY AN ACCEPTED AGENCY, WITH RULES AND SERVICES COMPLYING WITH REQUIREMENTS & PROCEDURES OF DOC PS20.
4. KEEP STRUCTURAL TIMBER PROTECTED DURING DELIVERY, STORAGE, HANDLING, AND ERECTION. DO NOT STORE ON BARE SOIL OR IN AREAS WITH EXCESSIVELY HIGH OR LOW HUMIDITY.
5. 2X TIMBER MUST BE SPRUCE PINE FIR (SPF) #1 OR #2
6. PROVIDE TIMBER WHICH HAS EITHER BEEN GRADED OR TESTED AND CERTIFIED WITH ALLOWABLE STRESS RATINGS (PSI) OF:
  - i. SPRUCE-PINE-FIR:
 

1. Fb =		875 PSI
2. Ft =		450 PSI
3. Fc(II) =		1150 PSI
4. Fc(perp) =		425 PSI
5. Fv =		135 PSI
6. E =		1,400,000 PSI
7. Emin =		440,000 PSI
  - a. PRESSURE TREATED LUMBER & 2x TOP PLATES:
    - i. SOUTHERN PINE #2 OR BETTER:
 

1. Fb =		1,250 PSI
2. E =		1,600,000 PSI
  - b. SUBFLOOR SHEATHING:
 

3/4" STRUCTURAL I PLYWOOD	
23/32 INCH APA RATED "STURD-I-FLOOR"	
24 OC	
3/4" T&G CDX PLYWOOD	
7. WOOD CONNECTORS: AS INDICATED IN FASTENING SCHEDULE
8. MOISTURE CONTENT:
  - a. MOISTURE CONTENT, EXCEPT AS OTHERWISE INDICATED, MUST NOT EXCEED 19%, AND INCLUDES "S-DRY" OR SIMILAR INDICATION IN GRADE MARKING OR CERTIFICATION OF GRADE.
  - b. NON-PRESSURE TREATED WOOD MUST BE KILN DRIED TO A MOISTURE CONTENT OF 19 PERCENT OR LESS FOR LUMBER AND 15 PERCENT OR LESS FOR PLYWOOD BEFORE INSTALLATION AND PRIOR TO THE APPLICATION OF ROOFING AND FINISHES.

## FASTENING SCHEDULE

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
ROOF		
BLOCKING BETWEEN CEILING JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRAMING BELOW	3-8d COMMON	EACH END, TOENAIL
CEILING JOISTS TO TOP PLATE	3-8d COMMON	EACH JOIST, TOENAIL
RAFTER OR ROOF TRUSS TO TOP PLATE	3-10d COMMON	TOENAIL
ROOF RAFTERS TO RIDGE VALLEY OR HIP RAFTERS; OR ROOF RAFTER TO 2-INCH RIDGE BEAM	3-10d COMMON	TOENAIL
WALL		
STUD TO STUD (NOT AT BRACED WALL PANELS)	16d COMMON	16d O.C. FACE NAIL
BUILT-UP HEADER (2" TO 2" HEADER)	16d COMMON	16" O.C. EACH EDGE, FACE NAIL
TOP PLATE TO TOP PLATE	16d COMMON 10d COMMON	16" O.C. FACE NAIL 12" O.C. FACE NAIL
TOP PLATE TO TOP PLATE, AT END JOINTS	8-16d COMMON	EACH SIDE OF END JOINT, FACE NAIL (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)
STUD TO TOP OR BOTTOM PLATE	4-8d COMMON	TOENAIL
TOP OR BOTTOM PLATE TO STUD	2-16d COMMON	END NAIL
TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	2-16d COMMON	FACE NAIL
SHEATHING	10d COMMON	EDGE NAIL @ 6" O.C. FIELD NAIL @ 12" O.C.
FLOOR		
SILL TO SLAB	1/2"Ø TAPCON (MIN 1" EMBED)	24" O.C.
JOIST TO SILL, TOP PLATE, OR GIRDER	4-8d COMMON	TOENAIL
BLOCKING TO TOP PLATE, SILL OR OTHER FRAMING BELOW	8d COMMON	6" O.C. TOENAIL
BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS	20d COMMON	32" O.C., FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS	2-8d COMMON	EACH END, TOENAIL

NAIL DIAMETERS ASSUMED:  
 8d - 0.131 INCHES  
 10d - 0.148 INCHES  
 12d - 0.148 INCHES  
 16d - 0.162 INCHES  
 20d - 0.192 INCHES

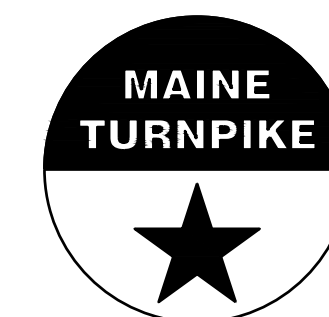
Scale: AS NOTED

Designed by:

COLBY COMPANY, LLC  
 engineering & design  
 47A York Street, Portland, ME 04101  
 207.553.7753



47A York St  
 Portland, ME  
 04101  
 207.553.7753



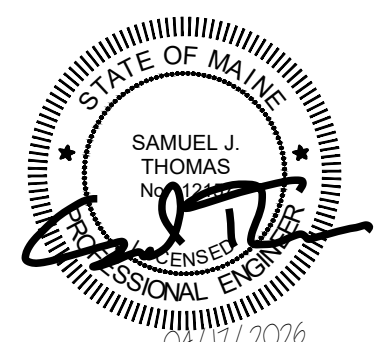
**THE GOLD STAR  
 MEMORIAL HIGHWAY**

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
 MAINE TURNPIKE AUTHORITY  
 GENERAL NOTES, ABBREVIATIONS AND  
 LEGENDS**

SHEET NUMBER: S-002

CONTRACT: 2026.08

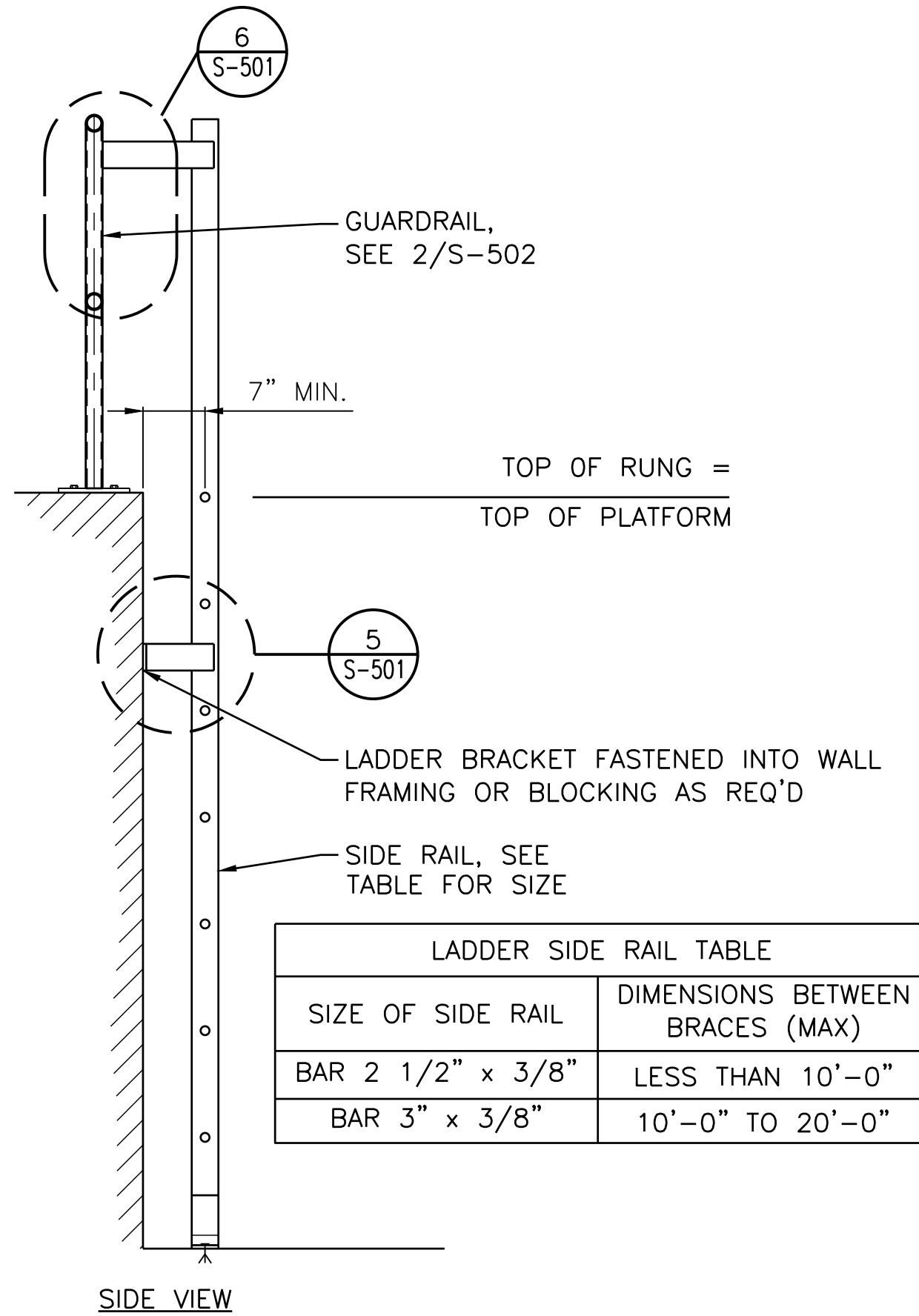
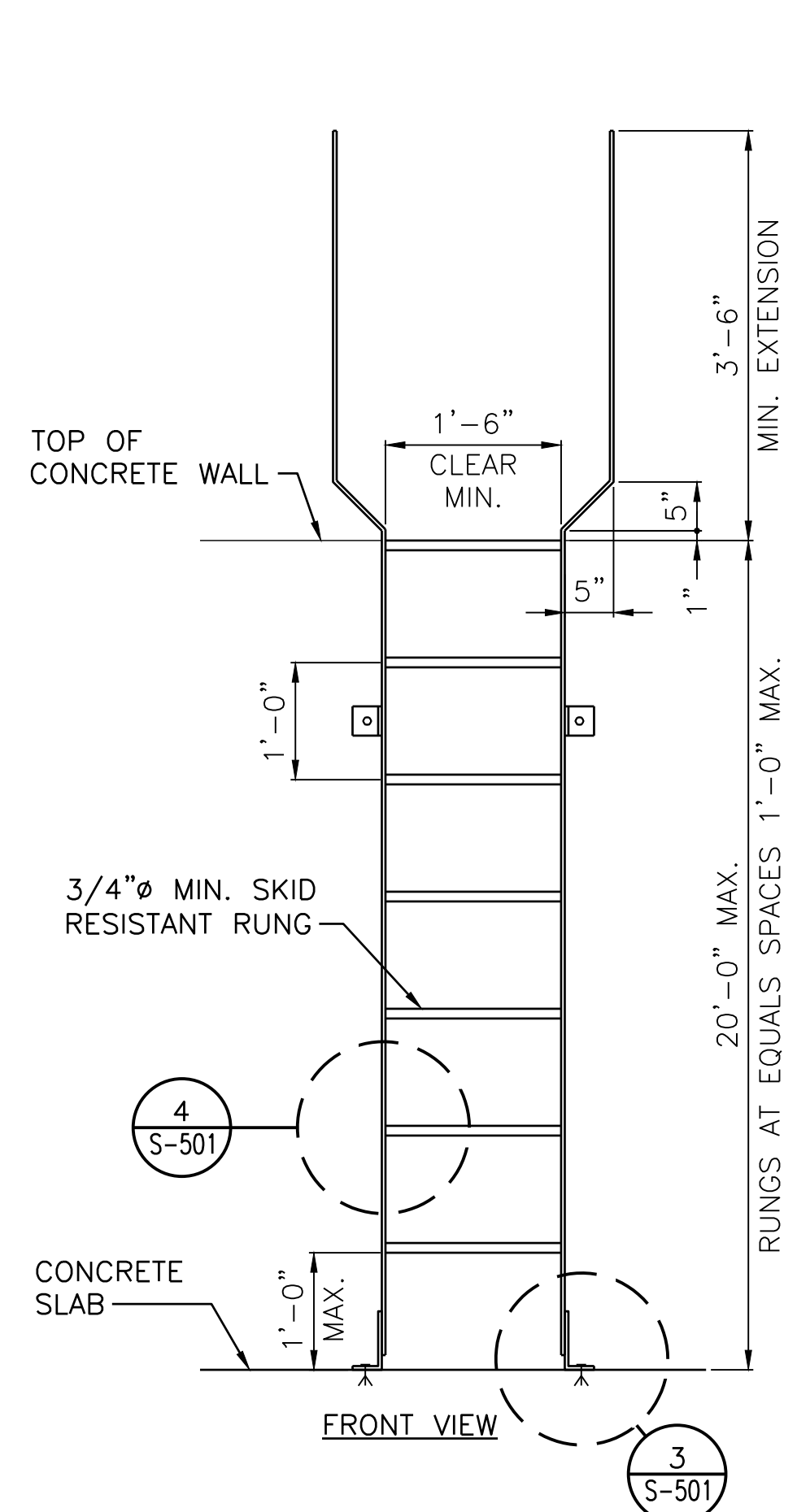
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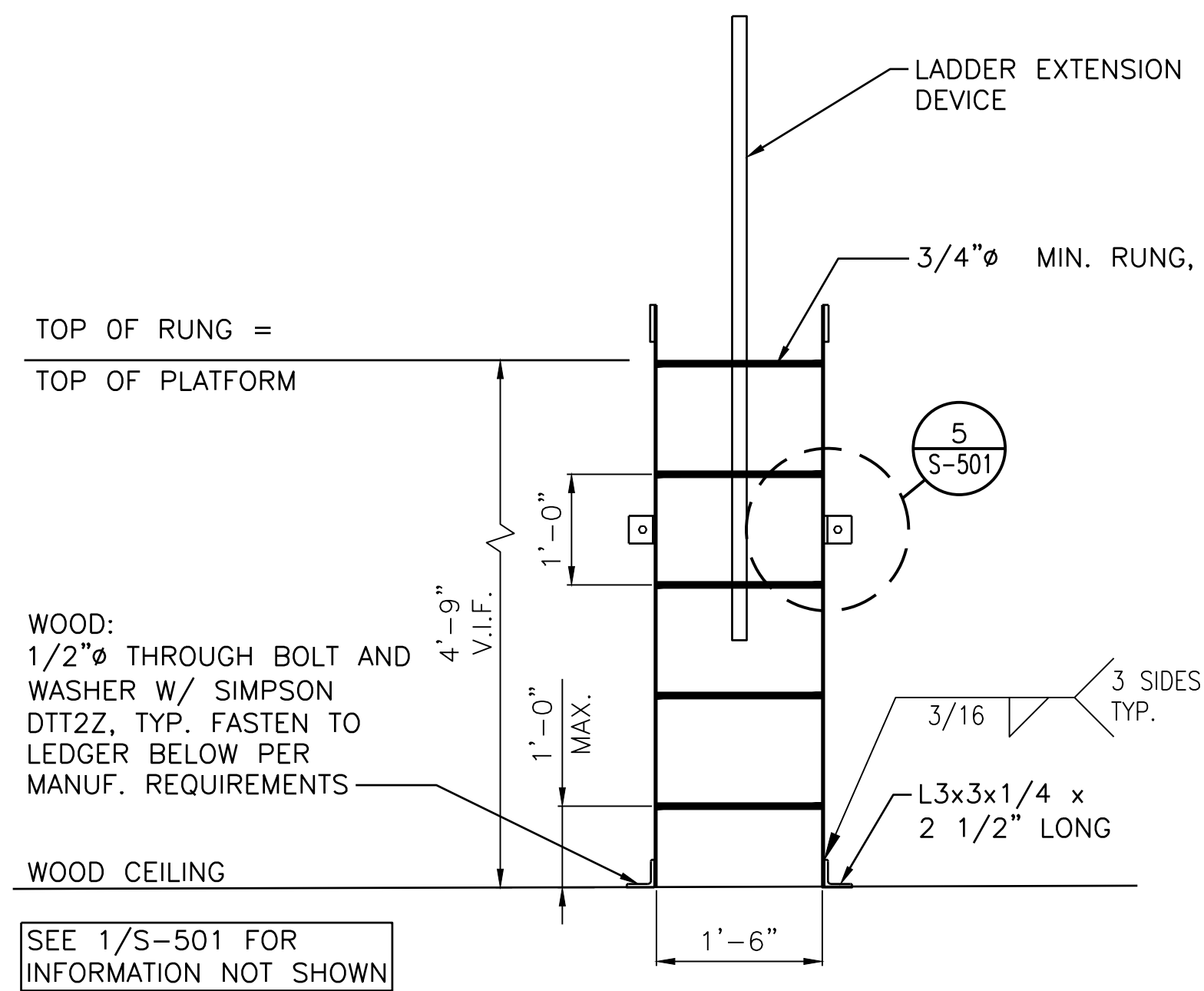
No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

CONSULTANT PROJECT MANAGER: MIKE KELLEY			
	By	Date	
Designed	JMP	04/17/26	Checked
Drawn	CWY	04/17/26	In Charge of

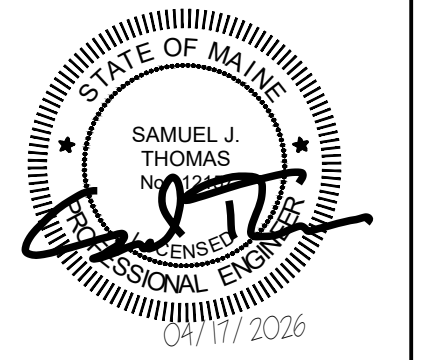
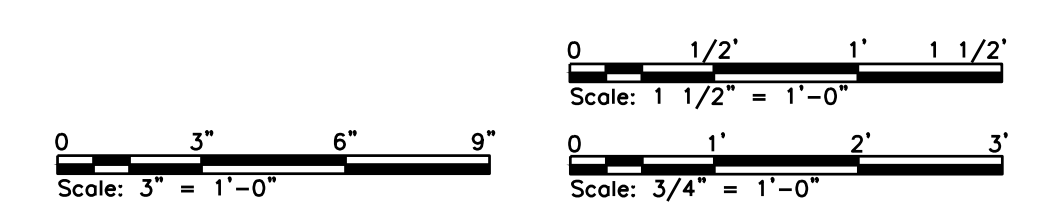
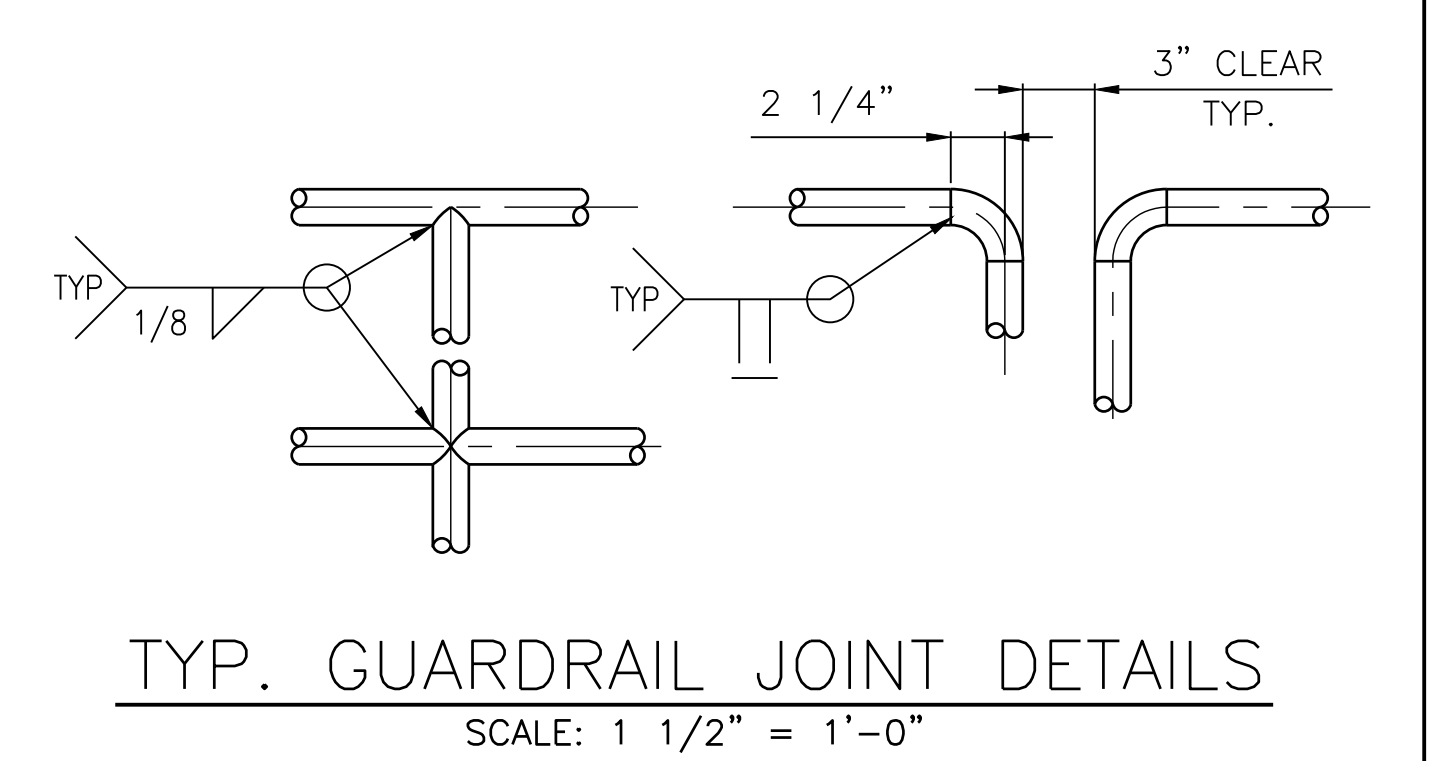
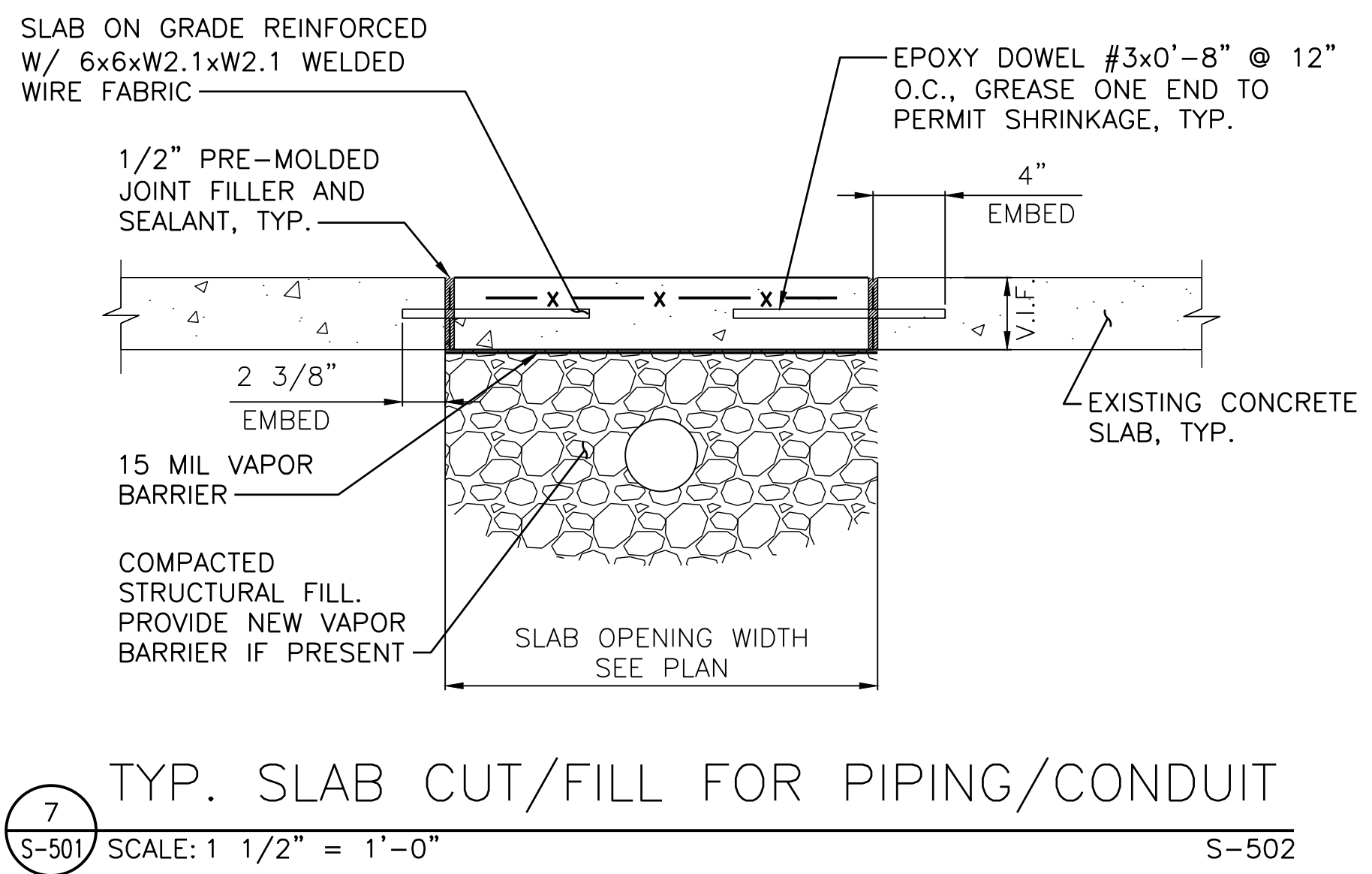
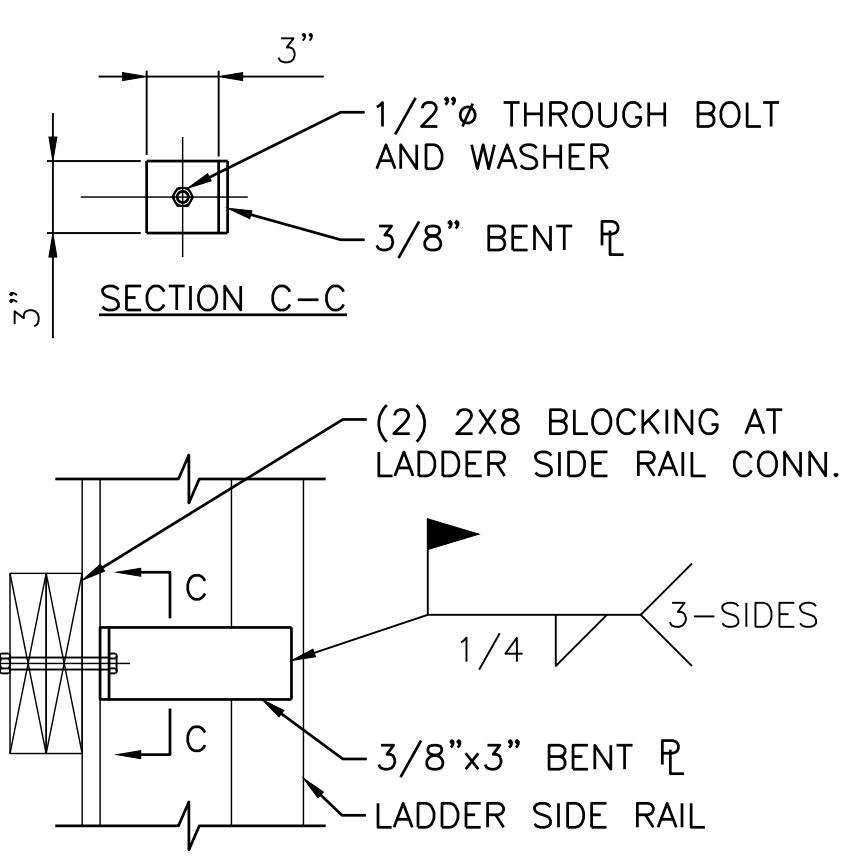
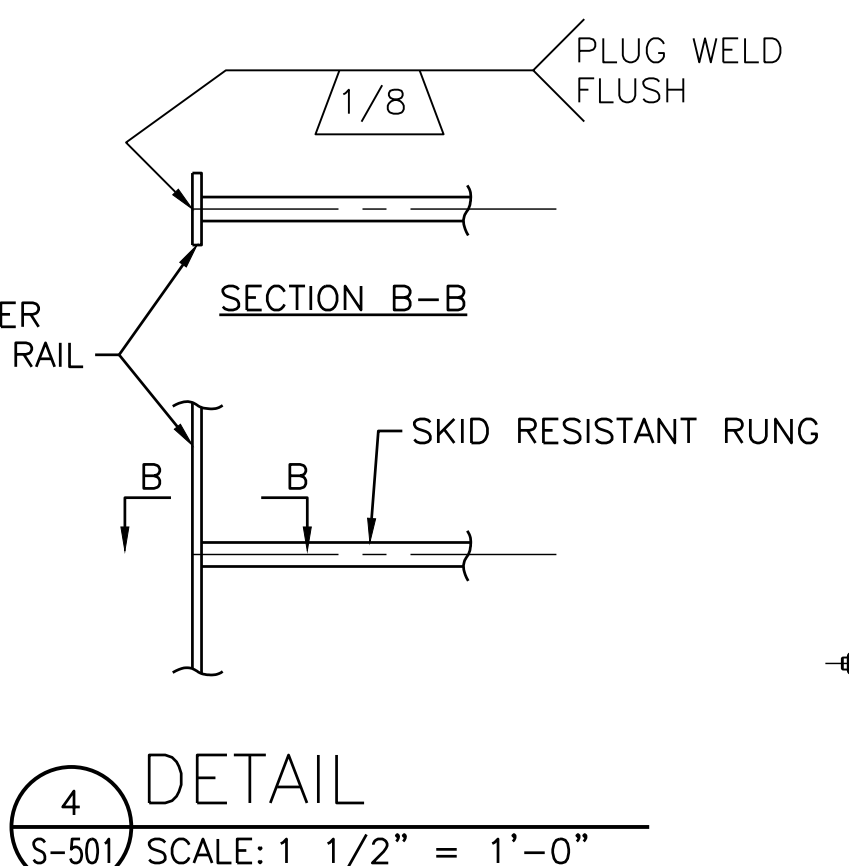
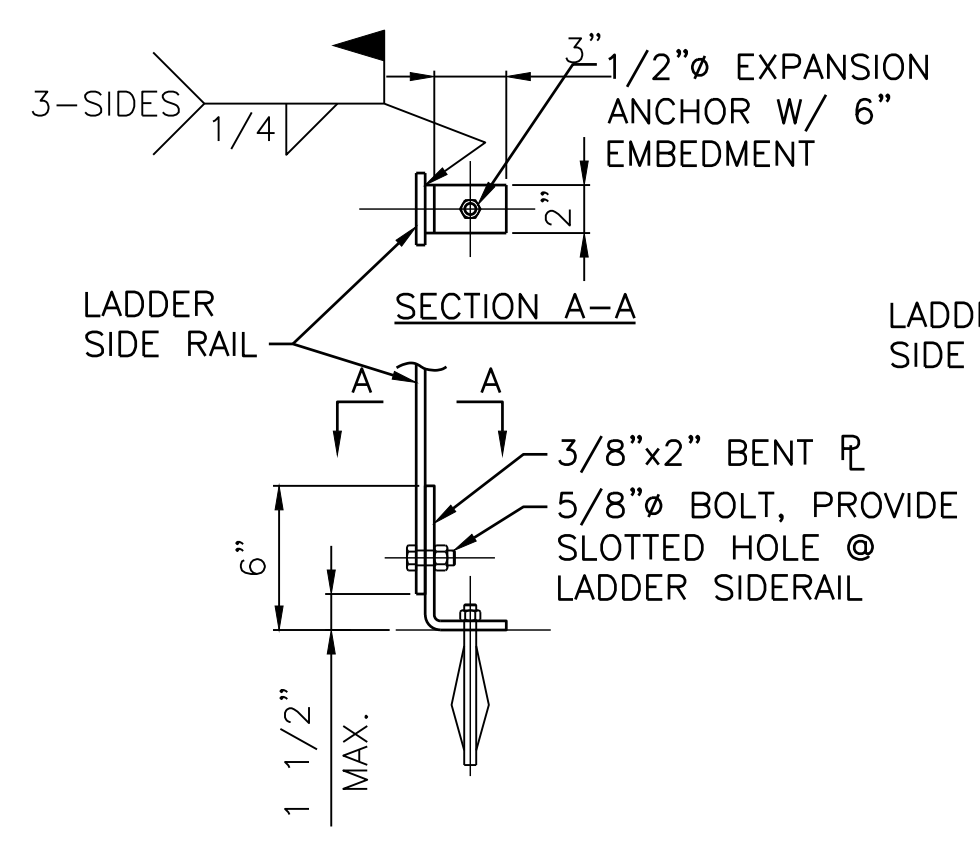
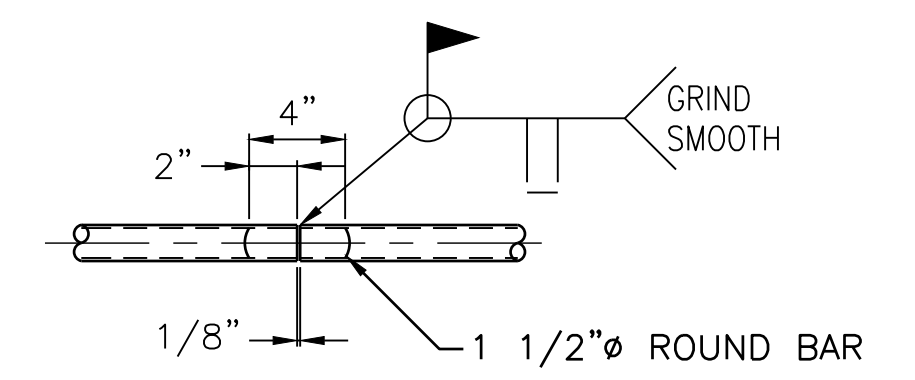
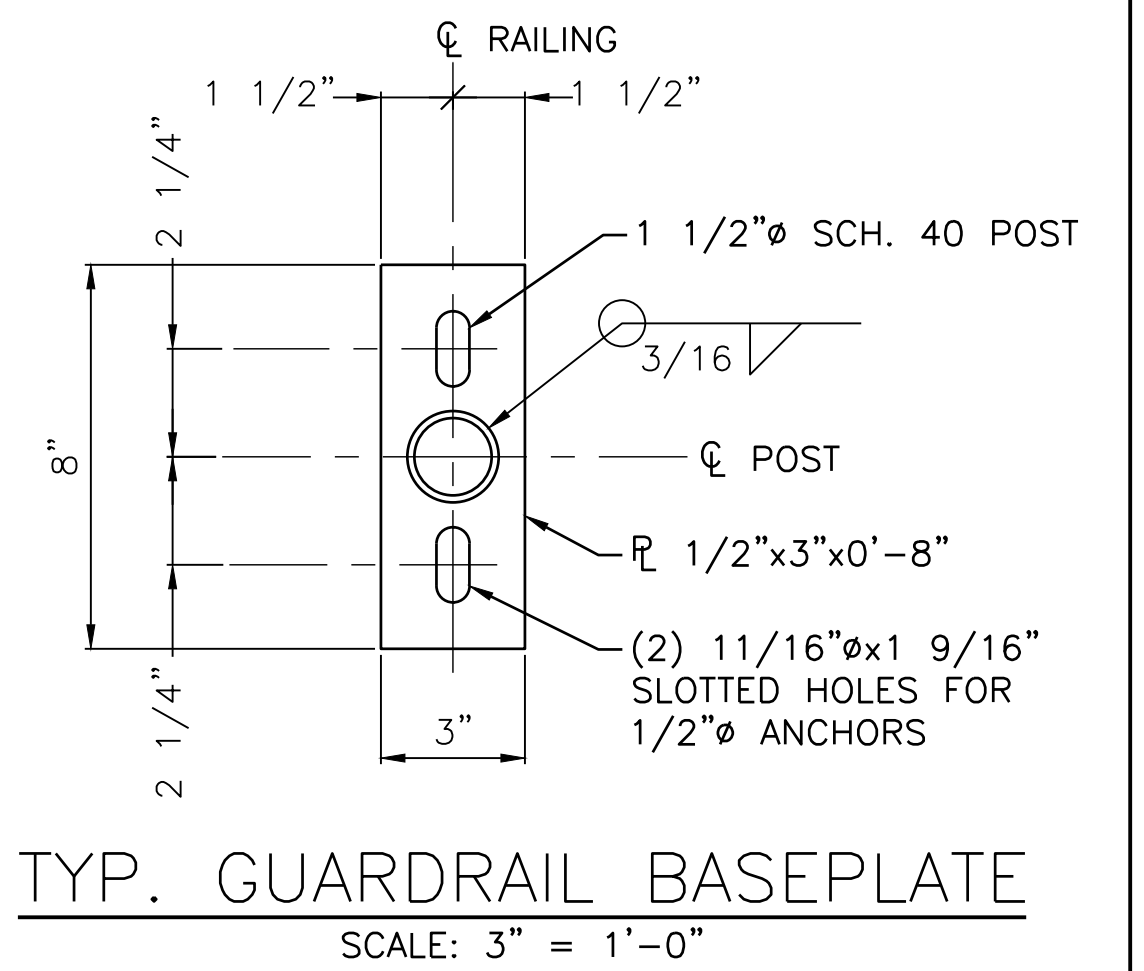
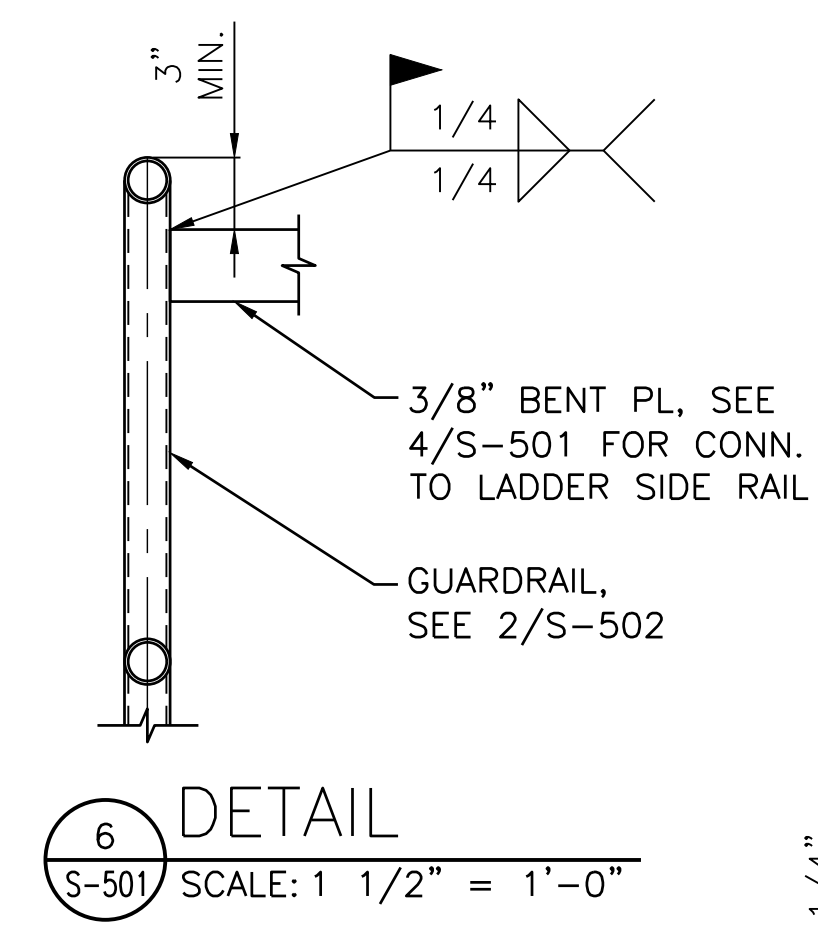
MTA PROJECT MANAGER: JACQUELINE HANSEN



1 TYPICAL STEP-THROUGH LADDER DETAILS  
S-501 SCALE: 3/4" = 1'-0" A-501



2 FIXED ACCESS LADDER DETAIL  
S-501 SCALE: 3/4" = 1'-0" A-501



Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

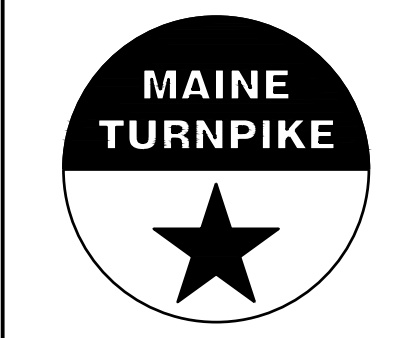
Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
Designed	JMP	04/17/26	Checked	SJT	04/17/26
Drawn	CWY	04/17/26	In Charge of		



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Portland, ME  
04101  
207.553.7753



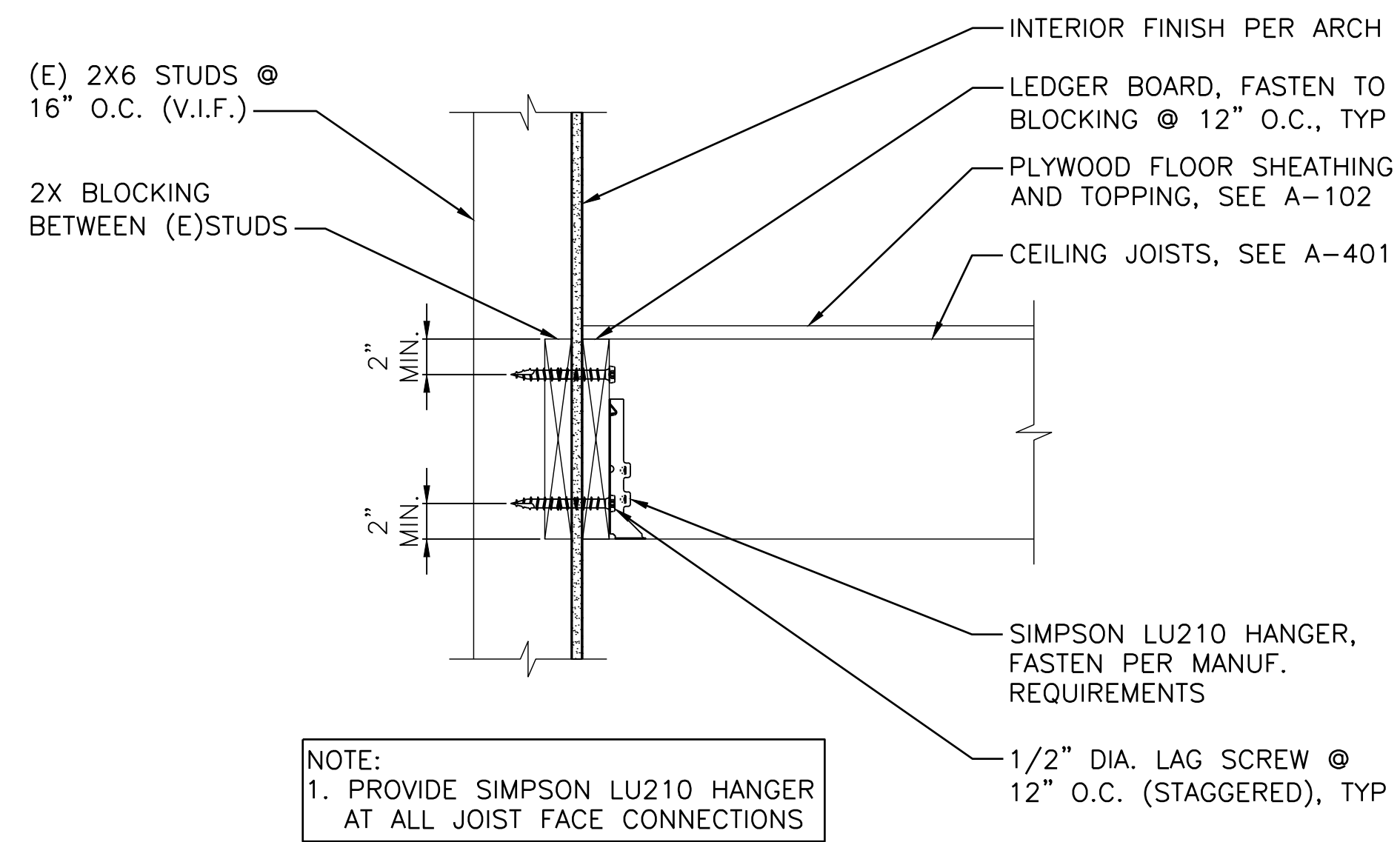
THE GOLD STAR  
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: JACQUELINE HANSEN

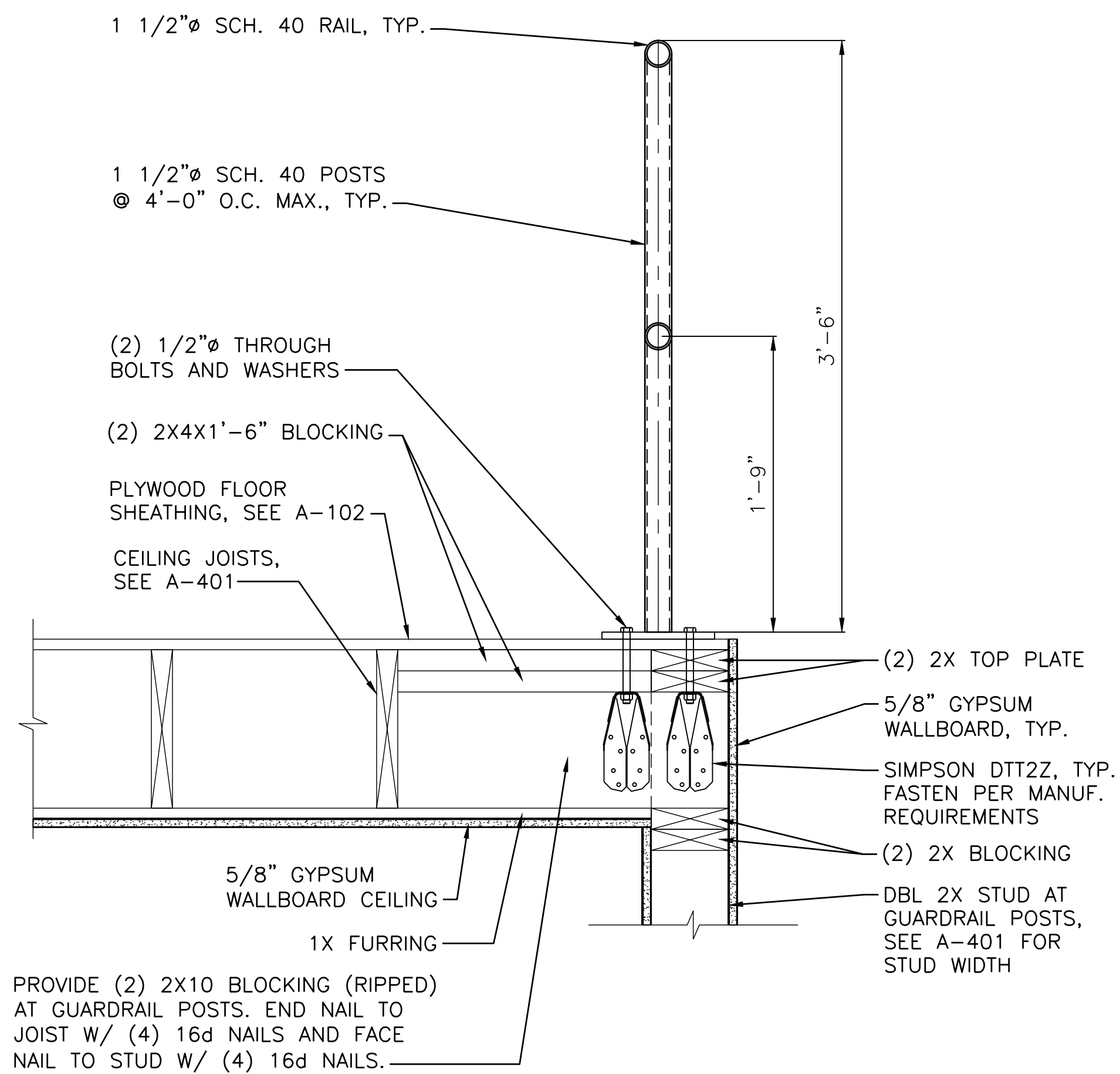
KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY

STRUCTURAL DETAILS

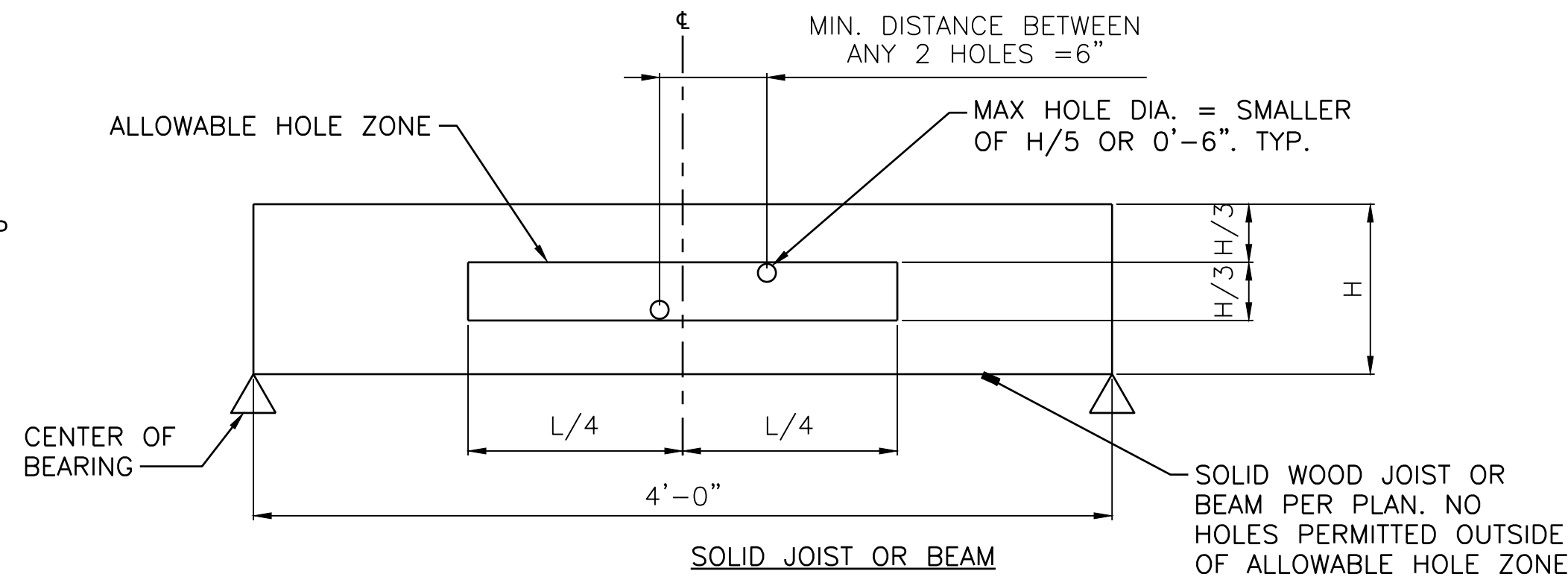
SHEET NUMBER: S-501  
CONTRACT: 2026.08  
20 OF 62



1  
S-502 EXTERIOR WALL JOIST PERPENDICULAR  
SCALE: 1 1/2" = 1'-0" A-501

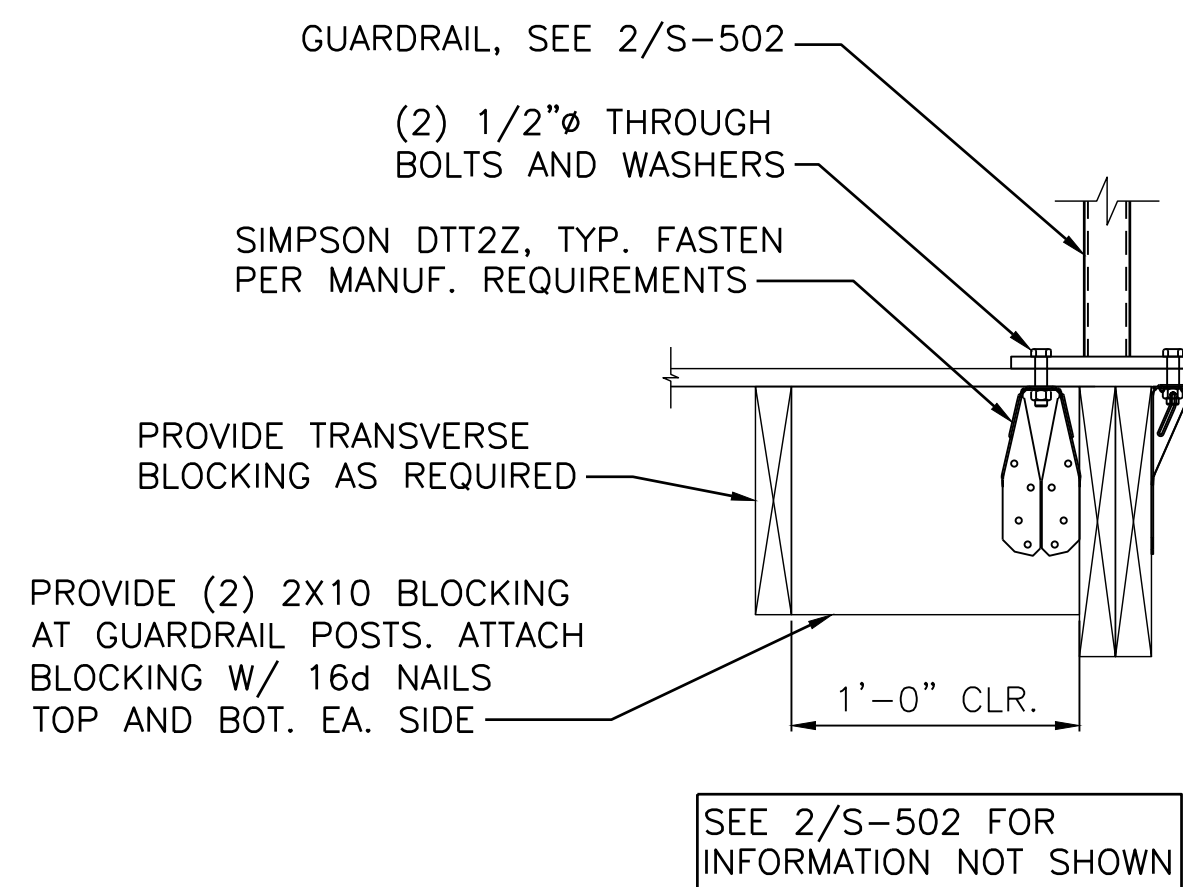


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S-502 INTERIOR WALL JOIST PARALLEL  
SCALE: 1 1/2" = 1'-0" A-501

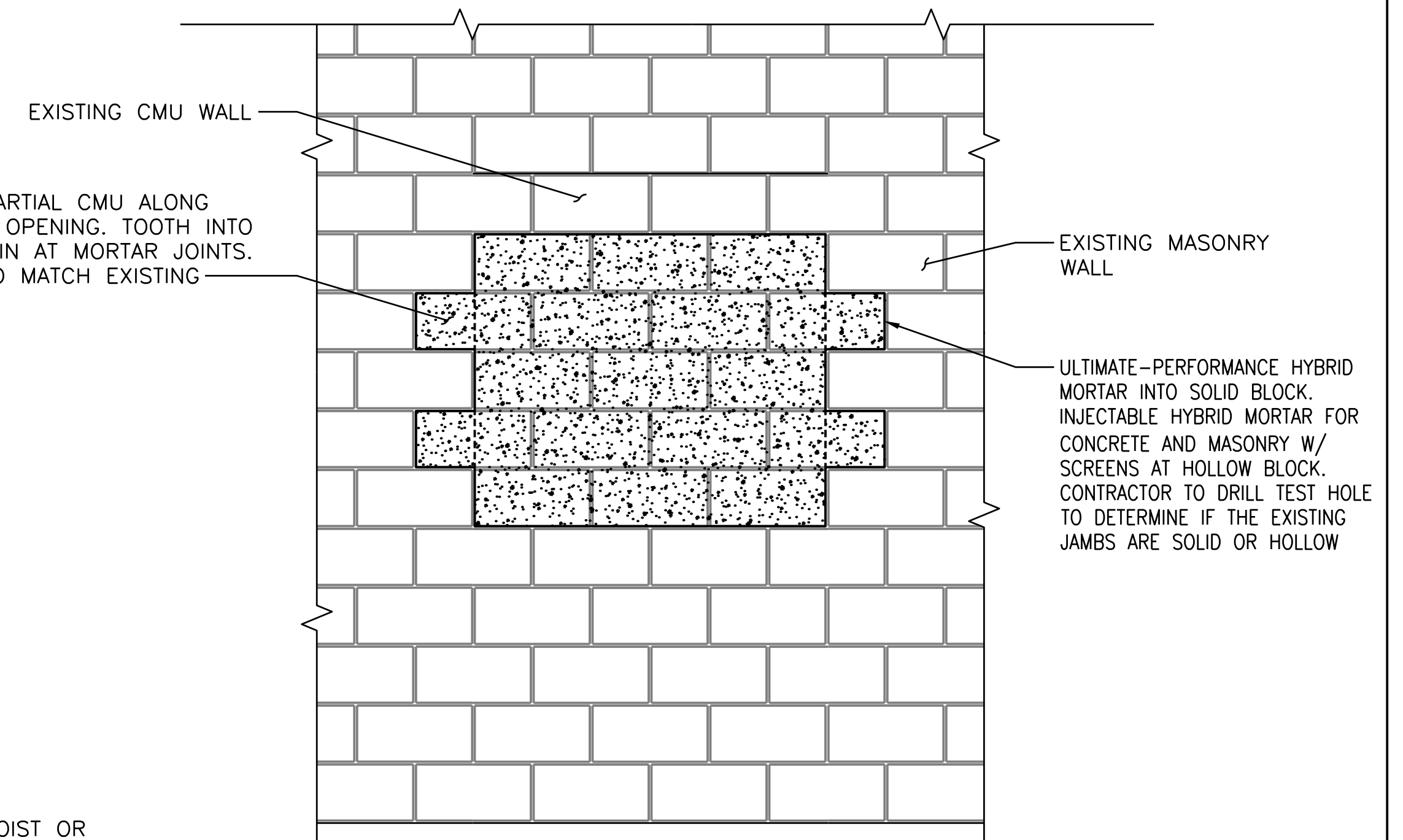


NOTES:  
1. ALLOWABLE HOLES THROUGH PRE-ENGINEERED PRODUCTS (SUCH AS I-JOISTS) MUST BE PERMITTED AS DETERMINED BY MANUFACTURER.  
2. WHERE PROPOSED PENETRATION WOULD NOT CONFORM TO THIS DETAIL, SUBMIT TO ENGINEER FOR REVIEW (3) DAYS MIN PRIOR TO DRILLING. ANY ADDITIONAL REINFORCING REQUIRED TO ACCOMMODATE THE NON-CONFORMING PENETRATION MUST BE PROVIDED AT NO ADDITIONAL EXPENSE TO THE OWNER.

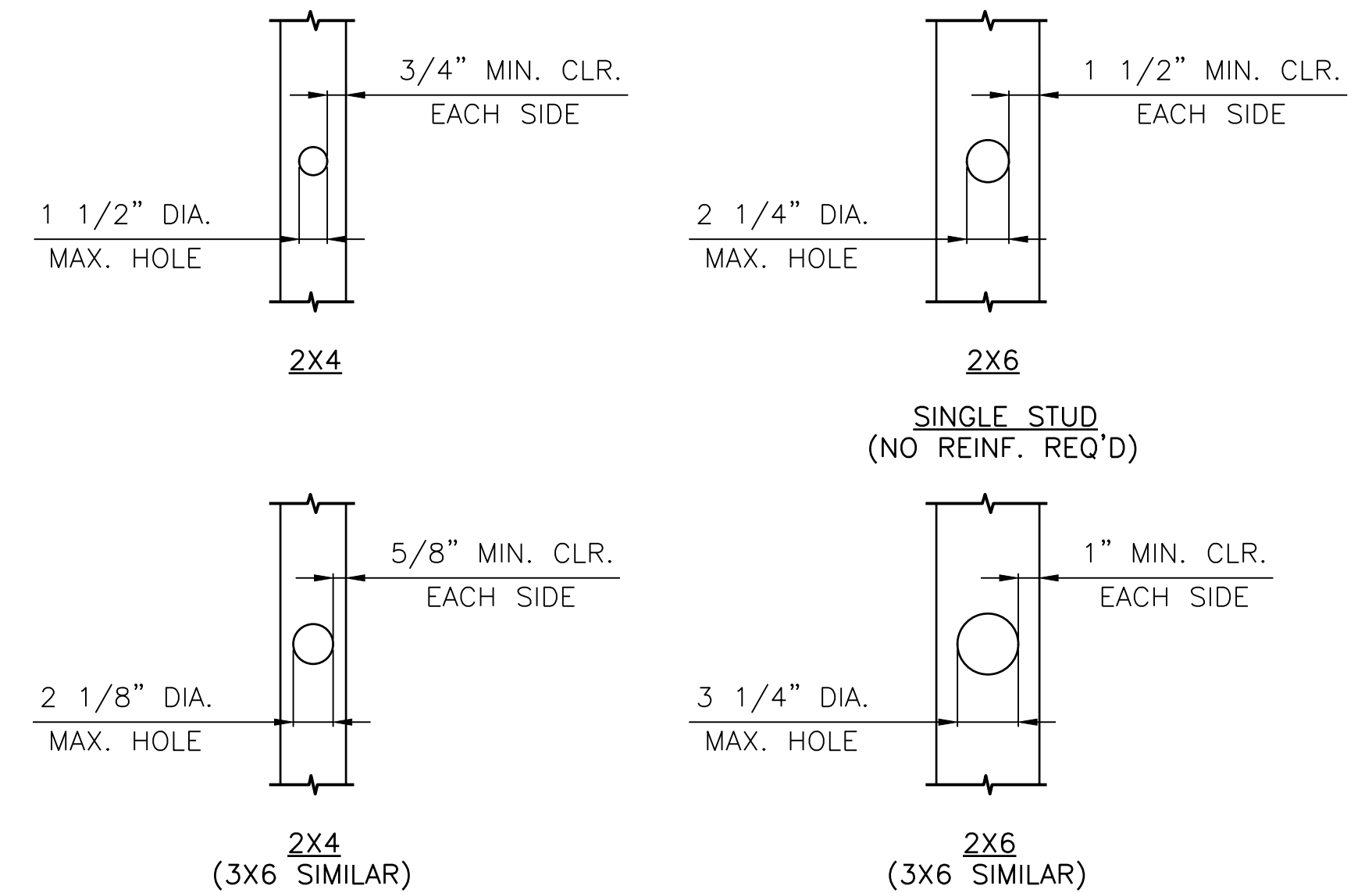
4  
S-502 HOLES ALLOWED THROUGH WOOD MEMBERS  
SCALE: N.T.S. S-502



3  
S-502 GUARDRAIL CONNECTION AT JOIST  
SCALE: 1 1/2" = 1'-0" A-501

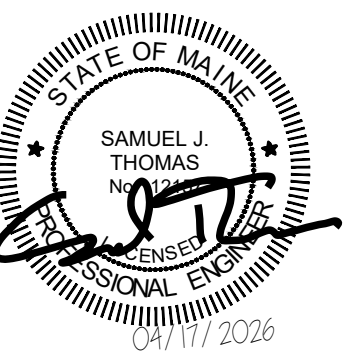
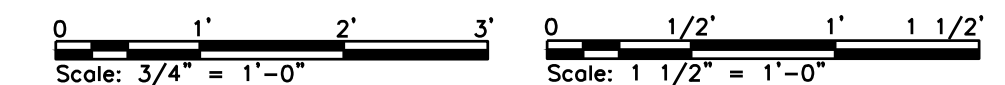


6  
S-502 CMU WALL OPENING INFILL DETAIL  
SCALE: 3/4" = 1'-0" S-502



NOTES:  
1. NO MORE THAN (2) CONSECUTIVE STUDS MAY BE BORED IN BEARING WALLS.  
2. CONTACT ENGINEER FOR DIRECTION IF MORE HOLES ARE NEEDED.  
3. MULTIPLE HOLES IN STUDS SHALL BE SPACED TO PROVIDE (3) DIAMETERS CLEARANCE BETWEEN HOLES BASED ON LARGER HOLE SIZE.

5  
S-502 HOLES ALLOWED THROUGH STUDS  
SCALE: N.T.S. S-502



Scale: AS NOTED

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COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753

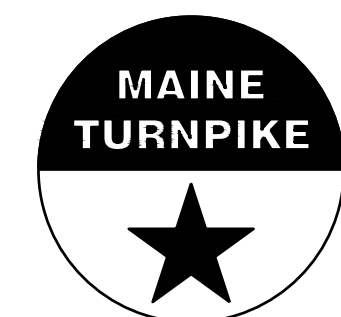
CONSULTANT PROJECT MANAGER: MIKE KELLEY

No.	Revision	By	Date
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By	Date	By	Date
Designed JMP	04/17/26	Checked SJT	04/17/26
Drawn CWY	04/17/26	In Charge of	



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THE GOLD STAR  
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: JACQUELINE HANSEN

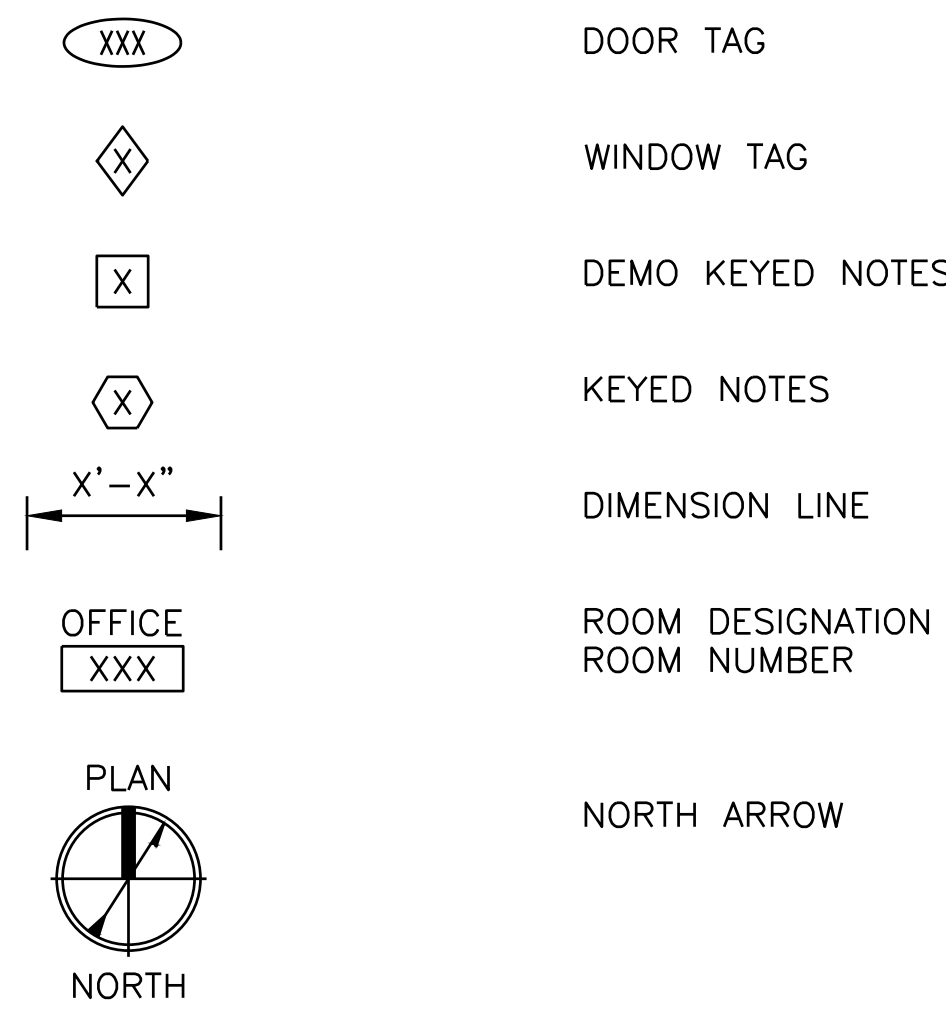
KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
STRUCTURAL DETAILS

CONTRACT: 2026.08

SHEET NUMBER: S-502

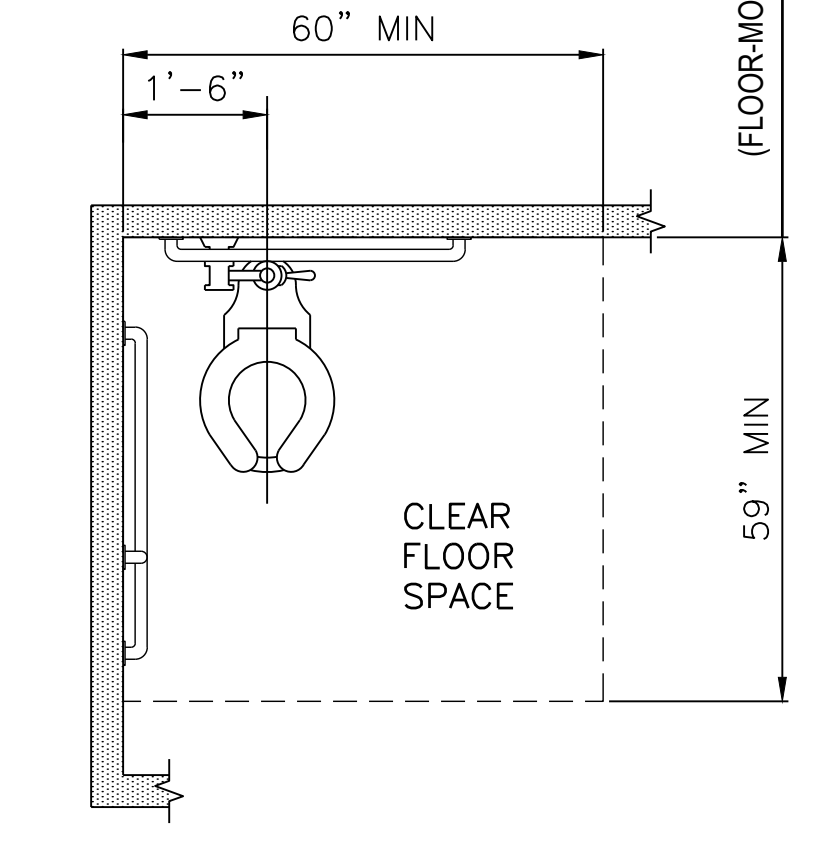
21 OF 62

**PLAN GRAPHIC LEGEND**

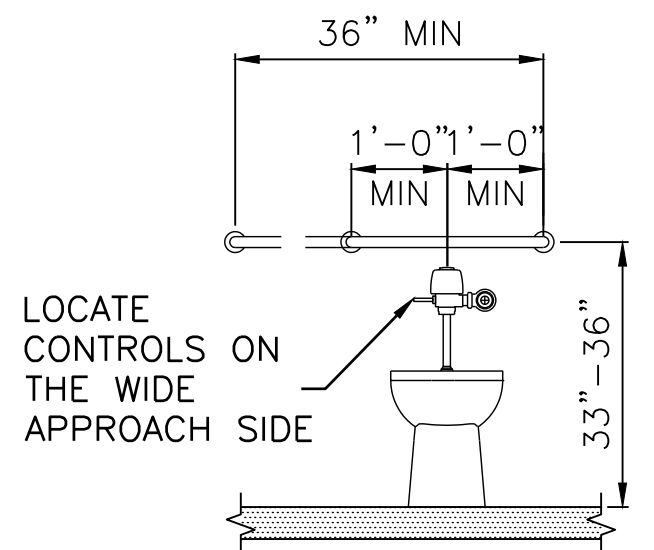


**GENERAL NOTES:**

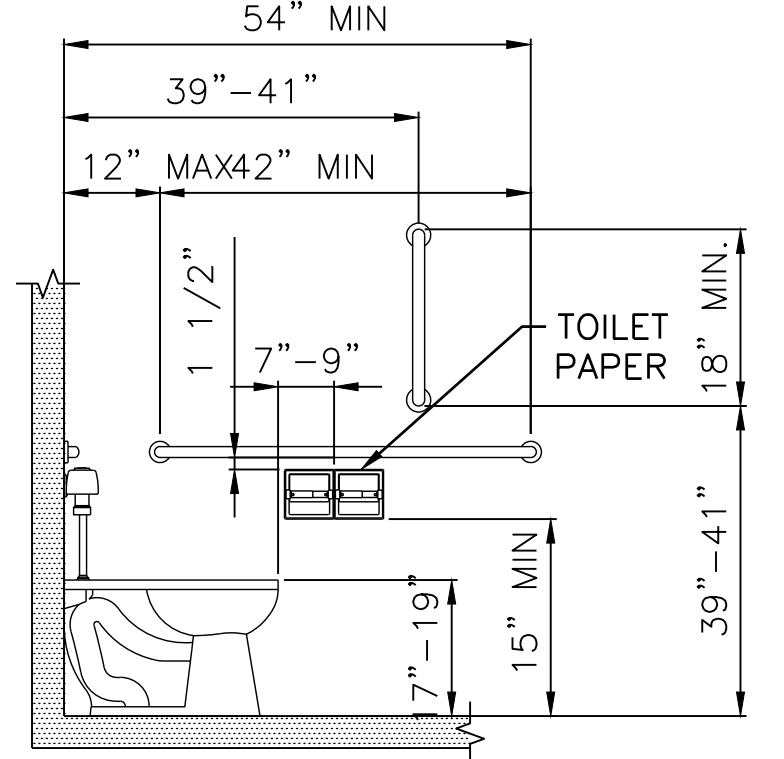
- FLASHING MUST BE IN COMPLIANCE WITH MANUFACTURER'S SYSTEMS AND INSTRUCTIONS. IF MANUFACTURER'S DETAILS DO NOT ADDRESS A CONDITION, CONDITION MUST BE DETAILED AND SUBMITTED FOR APPROVAL. FLASHING MUST BE INSTALLED TO KEEP WATER AND WEATHER FROM ENTERING THE BUILDING.
- FIELD VERIFY DIMENSIONS AND CONDITIONS. PROMPTLY NOTIFY CONSTRUCTION MANAGER OF ANY INCONSISTENCIES, OBSTRUCTIONS OR INTERFERENCES, IN WRITING, IMMEDIATELY UPON DISCOVERY, PRIOR TO PROCEEDING WITH THE AFFECTED WORK.
- INDICATIONS AND NOTATIONS ON THE DRAWINGS APPLYING TO ONE AREA, COMPONENT OR CONDITION, MUST APPLY TO ALL OTHER SIMILAR AREAS, COMPONENTS OR CONDITIONS, UNLESS CLEARLY INDICATED OTHERWISE.
- FLOOR, WALL AND CEILING PENETRATIONS IN NEW WORK MUST BE SEALED TO VERTICAL AND HORIZONTAL ASSEMBLIES.
- PROVIDE BLOCKING AS REQUIRED FOR INSTALLATION OF EQUIPMENT AND IMPROVEMENTS.
- WEATHER AND AIR SEAL PENETRATIONS AND TRANSITIONS BETWEEN MATERIALS AND FASTENERS AT ALL NEW EXTERIOR WALL PENETRATIONS, FOR AN AIRTIGHT ENVELOPE.
- PATCH AND PAINT AFFECTED WALLS, TO MATCH EXISTING ADJACENT SURFACES, AS PART OF THIS SCOPE OF WORK.
- PRESERVE AND MAINTAIN EXISTING CONDITIONS OF ANY SURFACES WHICH WILL REMAIN EXPOSED IN THE FINISHED WORK. PATCH SURFACES DAMAGED BY DEMOLITION WORK AS REQUIRED TO MATCH THE ADJACENT SURFACES.



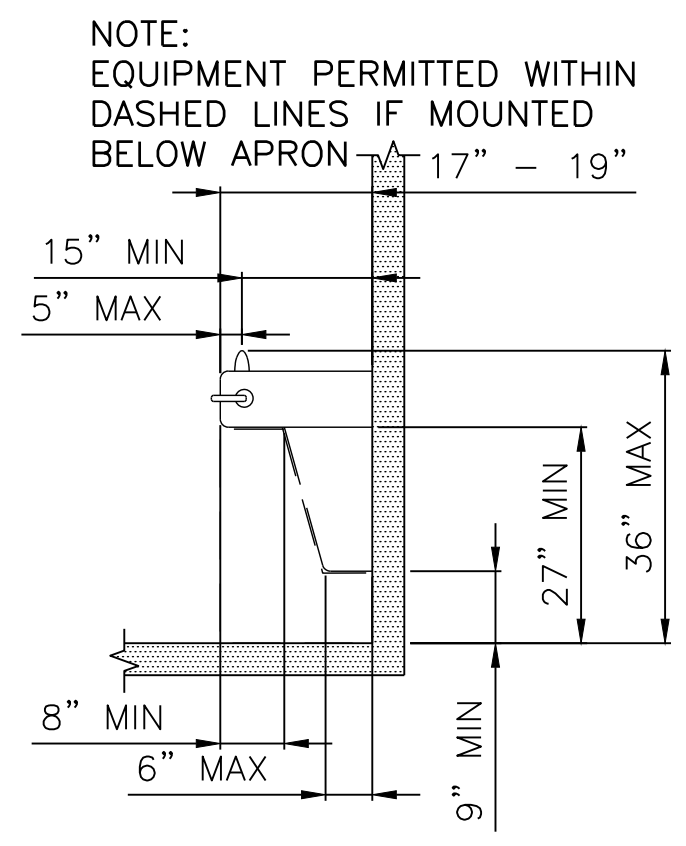
CLEAR FLOOR SPACE AT WATER CLOSETS



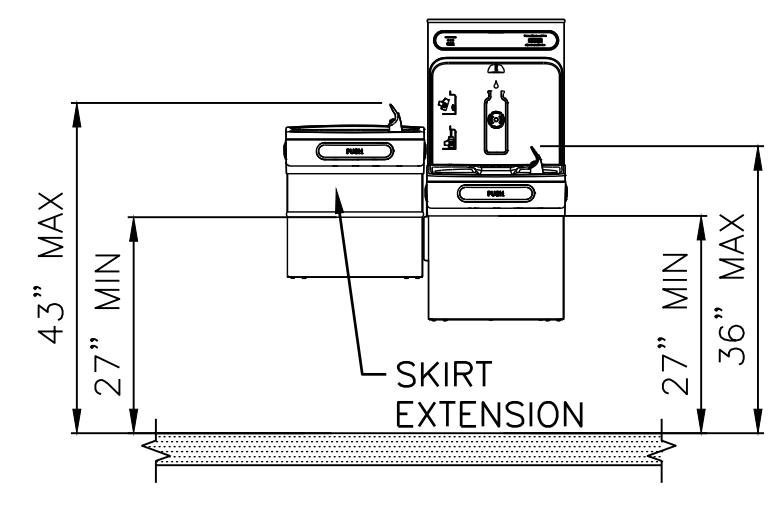
REAR WALL GRAB BAR FOR WATER CLOSET



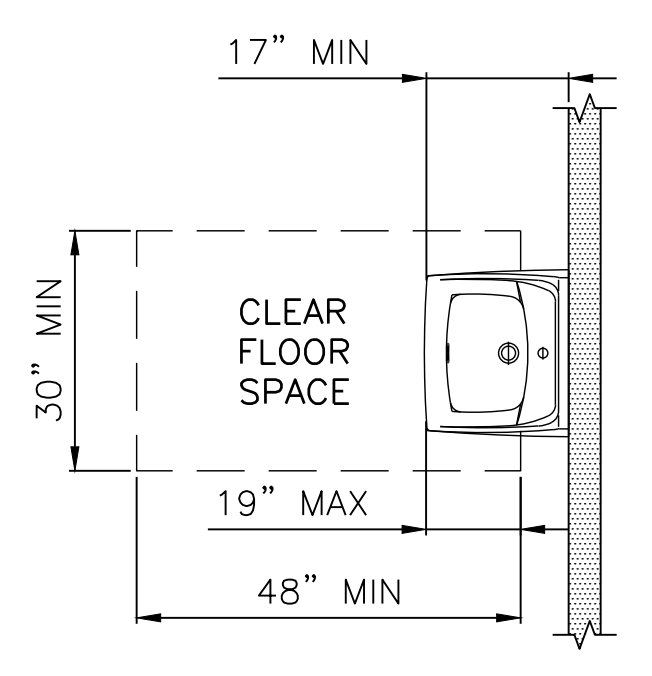
SIDE WALL GRAB BAR FOR WATER CLOSET



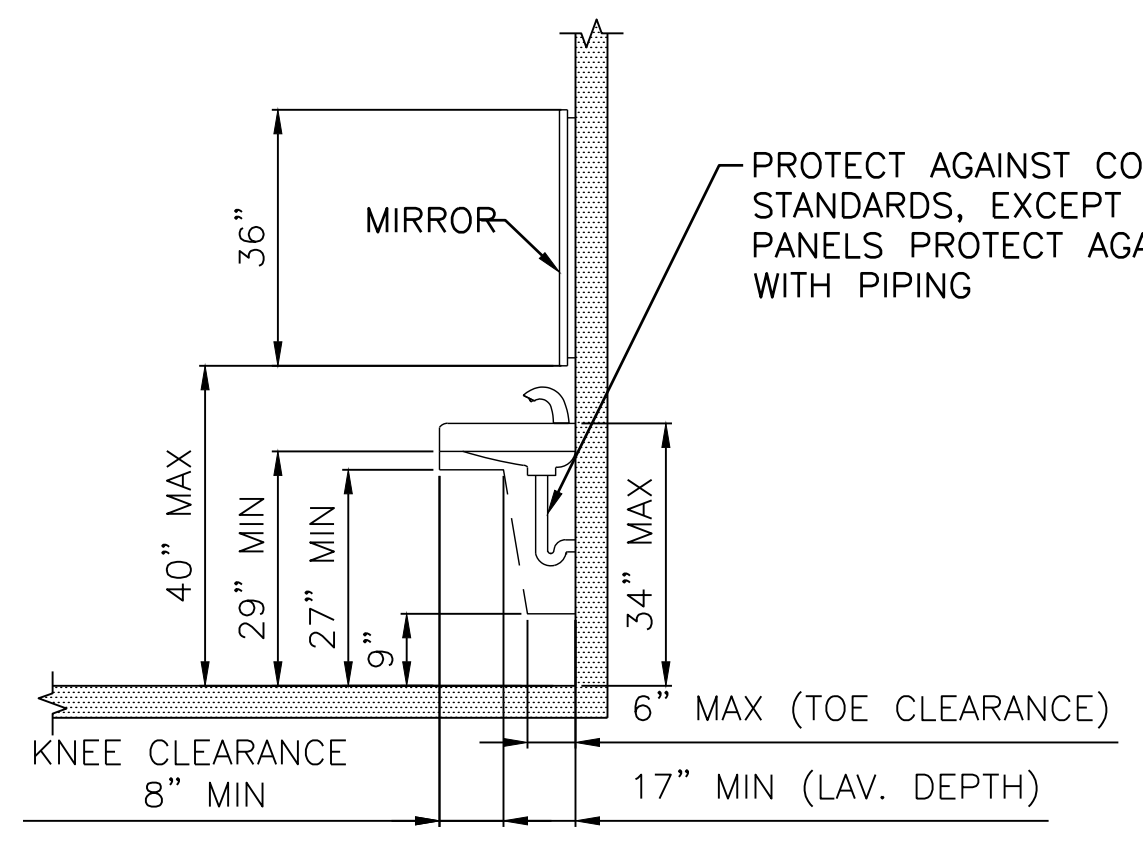
SPOUT HEIGHT AND KNEE CLEARANCE



DRINKING FOUNTAINS



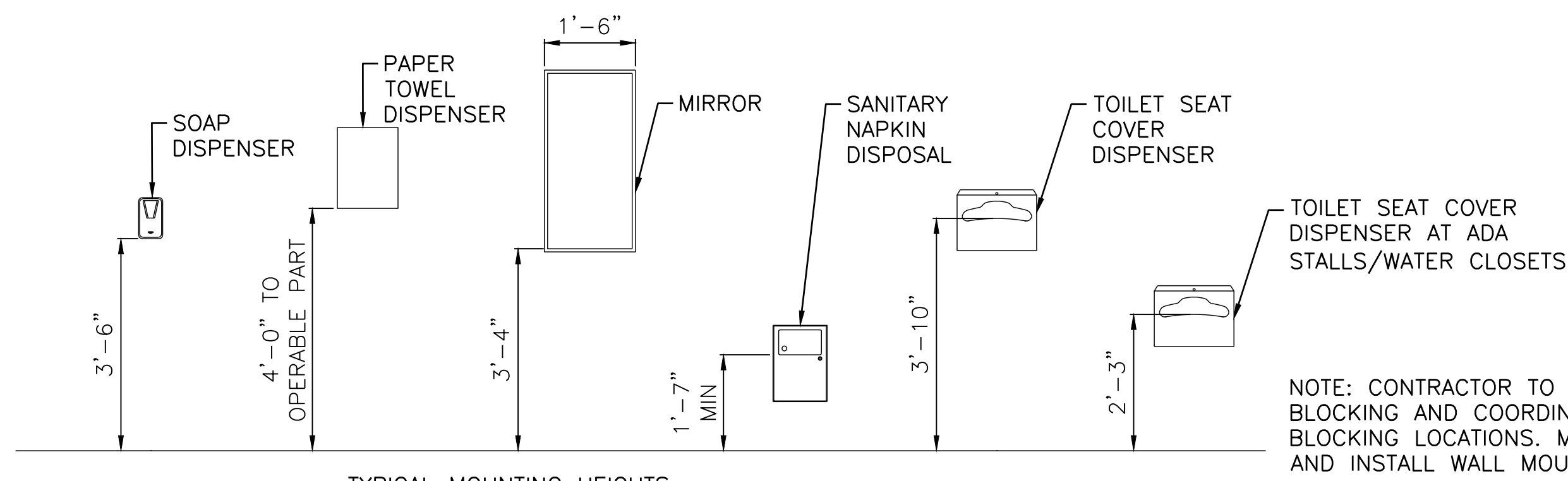
SINK/LAVATORY CLEARANCES



PROTECT AGAINST CONTACT PER ADA STANDARDS, EXCEPT WHERE CABINET PANELS PROTECT AGAINST CONTACT WITH PIPING

**LIFE SAFETY SUMMARY**

GENERAL BUILDING NOTES	
RENOVATION TO AN EXISTING HIGHWAY MAINTENANCE VEHICLE GARAGE. WORK IS LIMITED TO REPLACEMENT OF FINISHES, INSTALLATION OF PLUMBING AND MECHANICAL EQUIPMENT, INTERIOR PARTITION AND DOOR RECONFIGURATION. EGRESS REQUIREMENTS ARE MAINTAINED AND ARE IN COMPLIANCE WITH ALL LIFE SAFETY AND BUILDING CODES. THE BUILDINGS ARE PROVIDED WITH AN ADDRESSABLE FIRE ALARM SYSTEM AND AN AUTOMATIC WET PIPE SPRINKLER SYSTEM.	
CONSTRUCTION TYPE VB - COMBUSTIBLE, NOT PROTECTED.	
PER THE IEBC, THE PROJECT IS AN ALTERATION LEVEL 2.	
PER NFPA 101, THE PROJECT IS A MODIFICATION.	

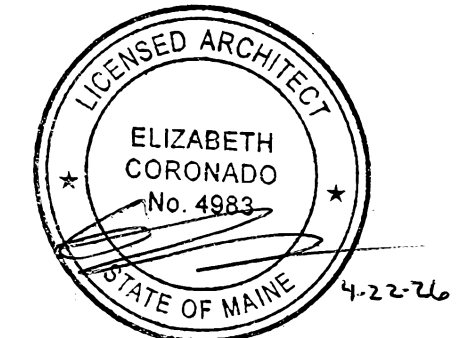


TYPICAL MOUNTING HEIGHTS

NOTE: CONTRACTOR TO PROVIDE BLOCKING AND COORDINATE WITH MTA BLOCKING LOCATIONS. MTA TO SUPPLY AND INSTALL WALL MOUNTED EQUIPMENT

**TYPICAL ABBREVIATIONS**

@	AT	ETR	EXISTING TO REMAIN
#	NUMBER	FE	FIRE EXTINGUISHER
±	PLUS OR MINUS	FLR	FLOOR
W/	WITH	FR	FIRE RATED
ABAAS	ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARD	GC	GENERAL CONTRACTOR
ALUM	ALUMINUM	GYP BD	GYPSON BOARD
ACT	ACOUSTICAL CEILING TILE	HM	HOLLOW METAL
AFF	ABOVE FINISHED FLOOR	INSUL	INSULATION
BOD	BASIS OF DESIGN	LCP	LEAD CONTAINING PAINT
CLG	CEILING	MEP	MECHANICAL, ELECTRICAL, PLUMBING
CLR	CLEAR	MFR	MANUFACTURER
CMU	CONCRETE MASONRY UNIT	MIN	MINIMUM
COL	COLUMN	MISC	MISCELLANEOUS
CONC	CONCRETE	MTL	METAL
CONT	CONTINUOUS	NIC	NOT IN CONTRACT
CONT'D	CONTINUED	OC	ON CENTER
DEMO	DEMOLITION	OPP	OPPOSITE
DIA	DIAMETER	PLWD	PLYWOOD
DWG	DRAWING	PT	PRESSURE TREATED
EA	EACH	PTD	PAINTED
ELEV	ELEVATION	RO	ROUGH OPENING
ELEC	ELECTRICAL	SS	STAINLESS STEEL
EQ	EQUAL	STL	STEEL
EXST	EXISTING	TO	TOP OF
		TYP	TYPICAL
		UNO	UNLESS NOTED OTHERWISE
		VIF	VERIFY IN FIELD
		WD	WOOD



**APPLICABLE CODES AND STANDARDS:**

- MUBEC (2025): MAINE UNIFORM BUILDING AND ENERGY CODE
- INTERNATIONAL CODE COUNCIL CODES:
  - IBC (2021, AS AMENDED): INTERNATIONAL BUILDING CODE
  - IEBC (2021, AS AMENDED): INTERNATIONAL EXISTING BUILDING CODE
- NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS:
  - NFPA 72 (2022): FIRE ALARM AND SIGNALING CODE
  - NFPA 101 (2018): LIFE SAFETY CODE
  - NFPA 231 (2022): STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS

Scale: AS NOTED	
No.	Revision
0	ISSUE FOR CONSTRUCTION

Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753			
CONSULTANT PROJECT MANAGER: MIKE KELLEY			
	By	Date	
Designed	SRP	04/17/2026	Checked
Drawn	JDR	04/17/2026	In Charge of
	By	Date	
	EAC	04/17/2026	
	MJK	04/17/2026	

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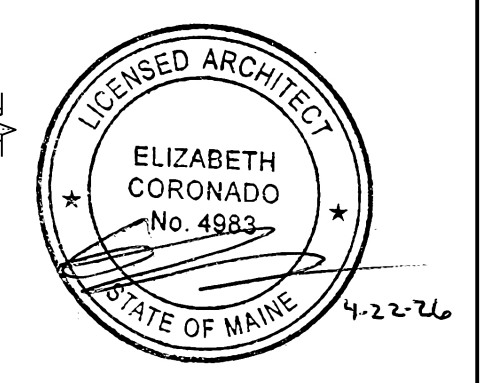
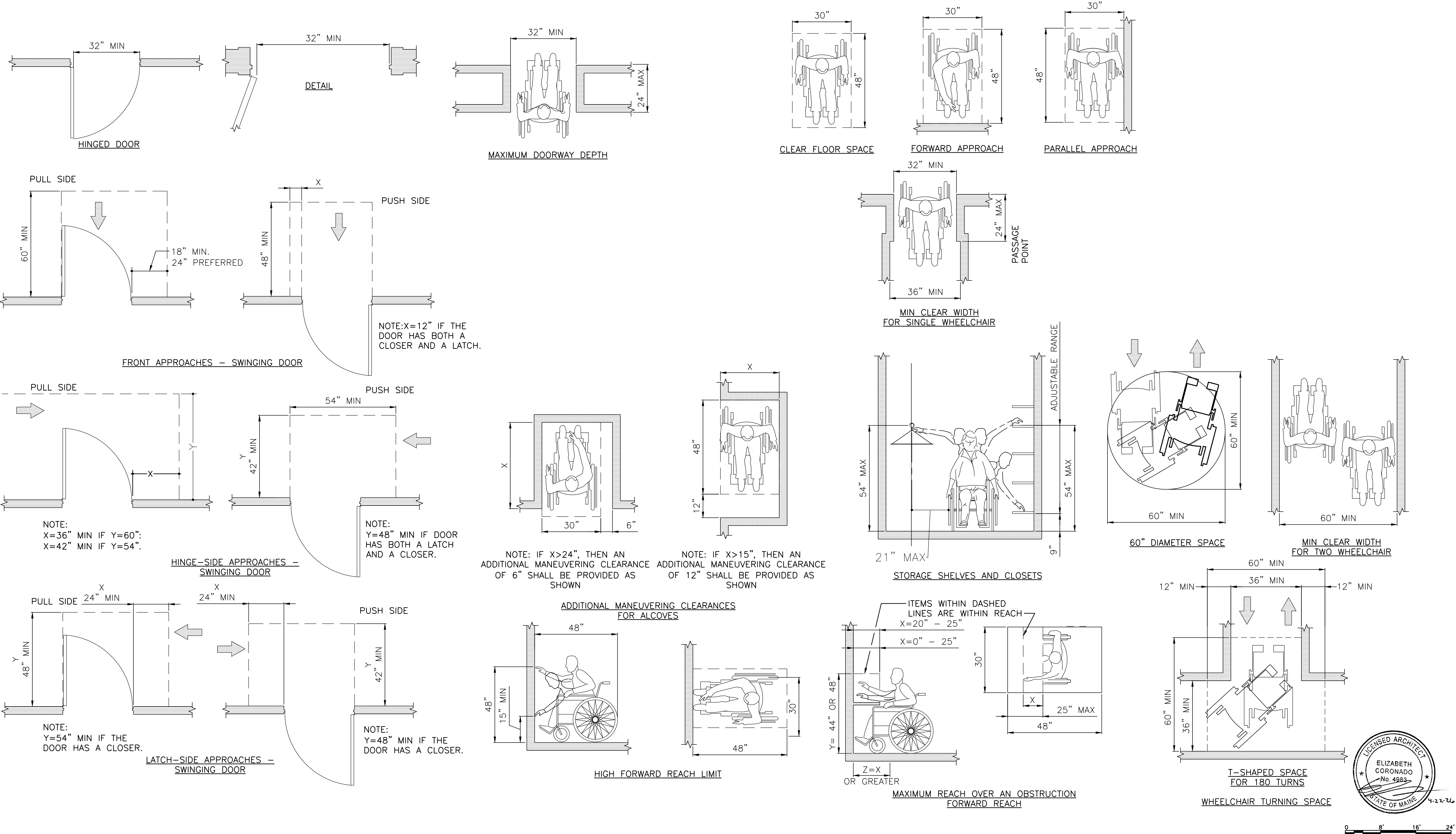
**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**GENERAL NOTES, ABBREVIATIONS AND  
LEGENDS**

SHEET NUMBER: A-001  
CONTRACT: 2026.08  
22 OF 62



Scale: 3/32" = 1'-0"

Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

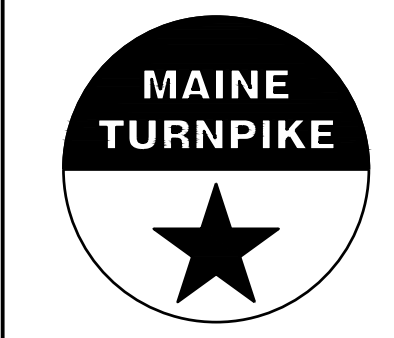
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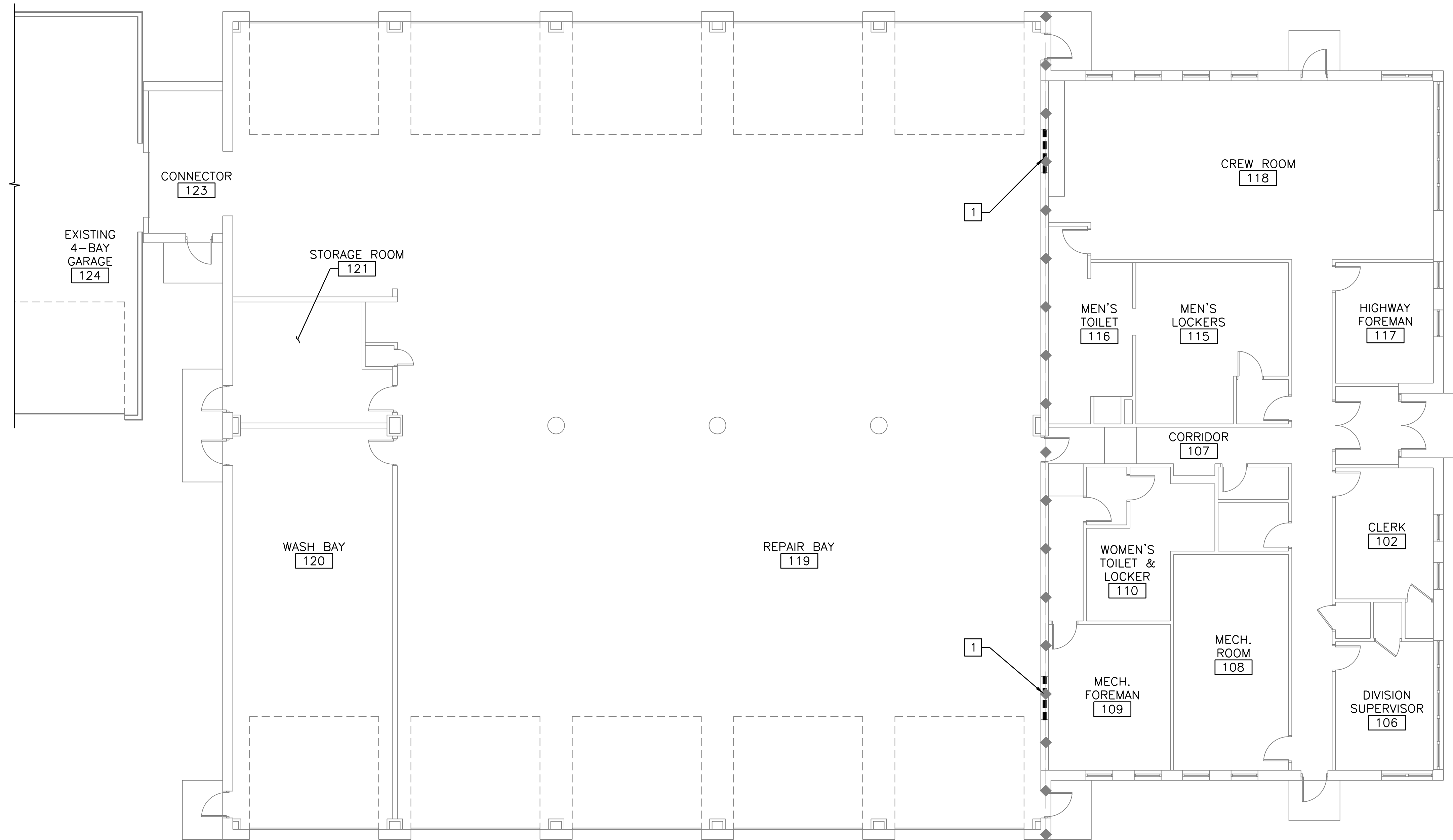
**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**TYPICAL ADA DOOR CLEARANCES**

SHEET NUMBER: A-002  
CONTRACT: 2026.08  
23 OF 62

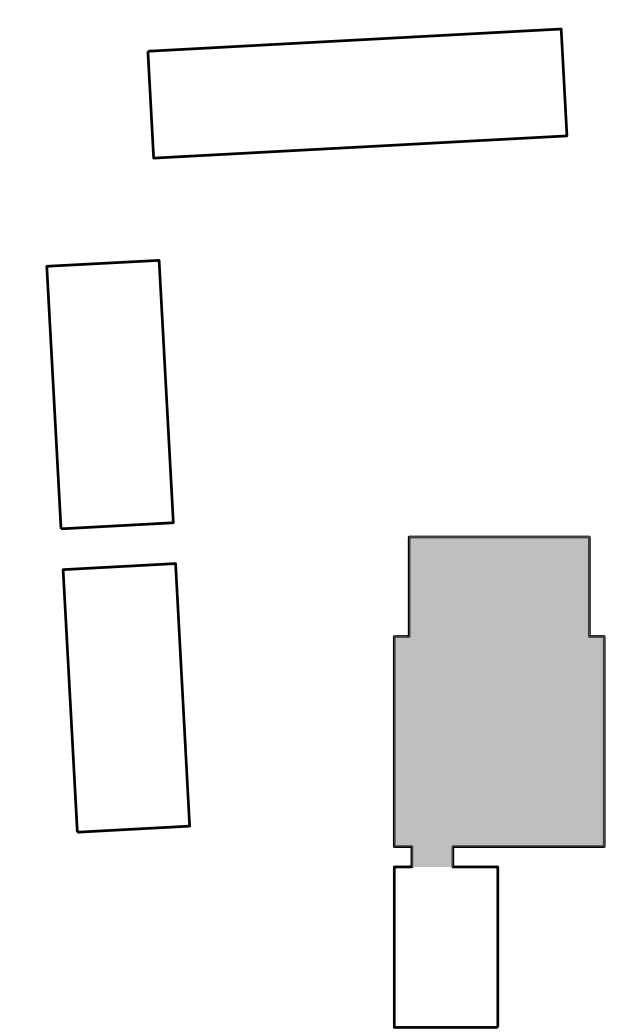


- NOTES:**
- SEE DRAWINGS A-001 FOR GENERAL NOTES, ABBREVIATIONS AND LEGENDS
  - SEE MEP, FIRE PROTECTION/FIRE ALARM AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.

- DEMOLITION KEYED NOTES:**
- REMOVE METAL FRAME WINDOW ASSEMBLY AND ALL ASSOCIATED ELEMENTS. PREPARE SURFACES FOR CMU INFILL

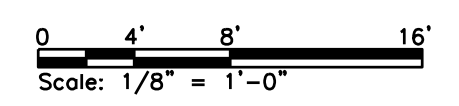
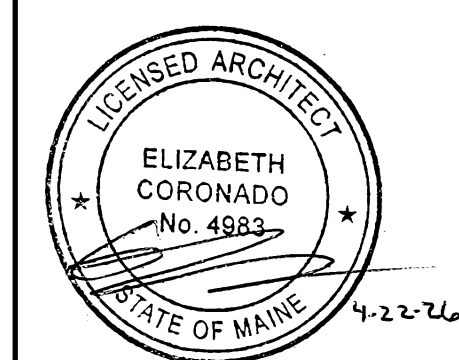
**LEGEND:**

◆ — EXISTING 1 HR FIRE BARRIER WALL ASSEMBLY



**FIRST FLOOR DEMOLITION PLAN**  
 SCALE: 1/8" = 1'-0"  
 PLAN NORTH

**KEY PLAN**  
 SCALE: NOT TO SCALE  
 PLAN NORTH



Scale: AS NOTED

No.	Revision	By	Date
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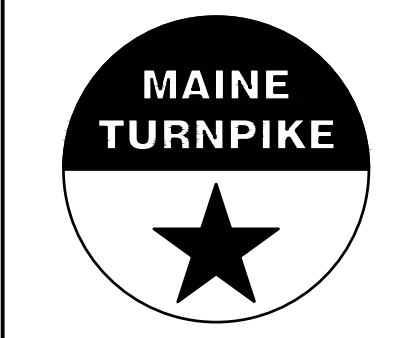
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**THE GOLD STAR  
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

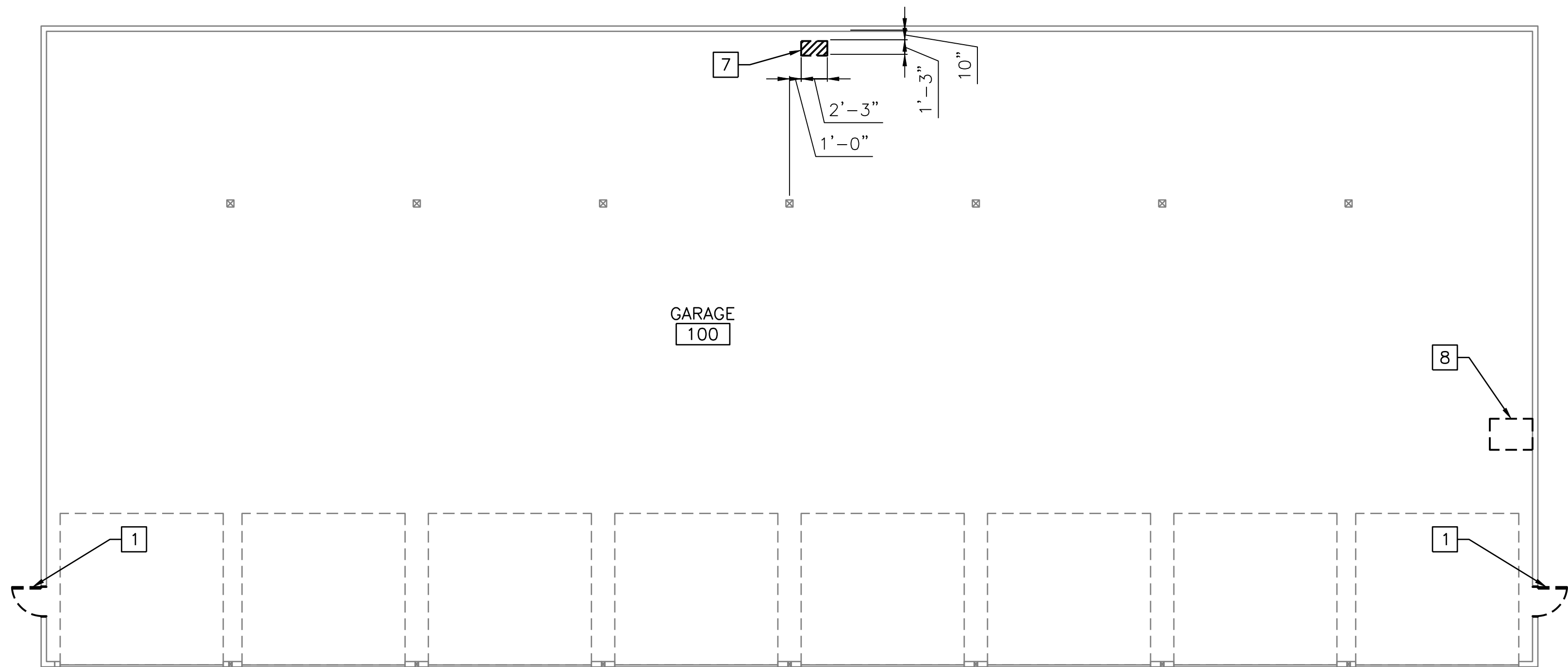
**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
 MAINE TURNPIKE AUTHORITY**

**FIRST FLOOR DEMOLITION PLAN**

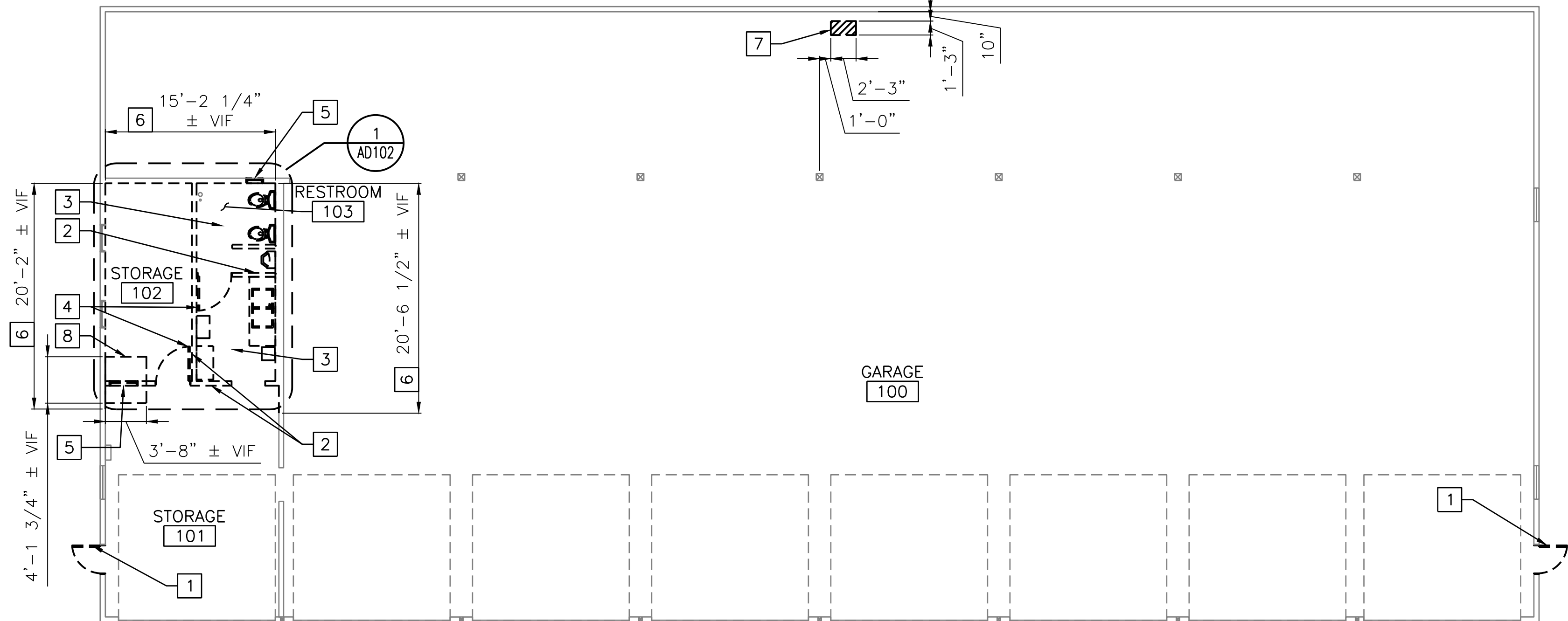
CONTRACT: 2026.08

SHEET NUMBER: AD101

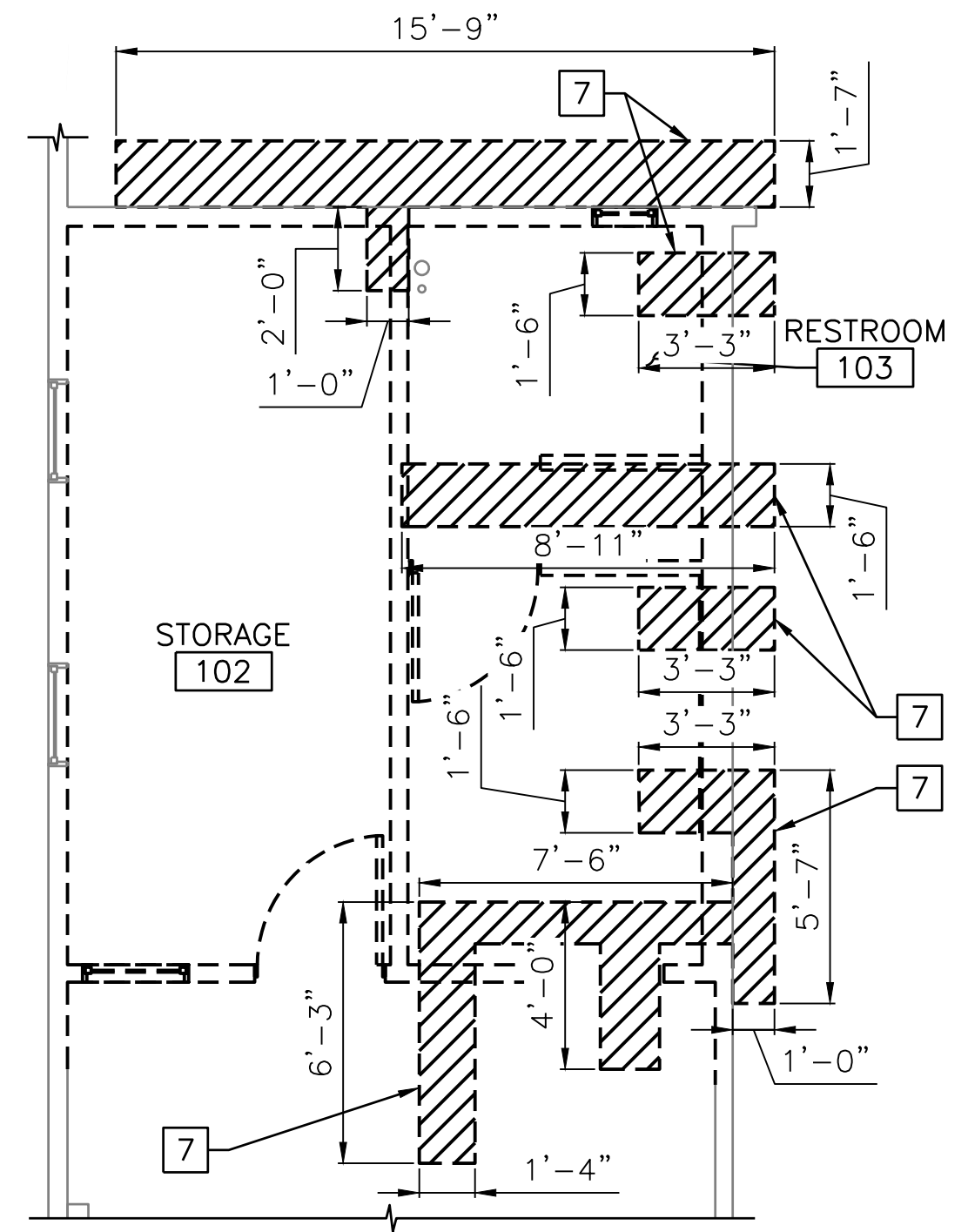
24 OF 62



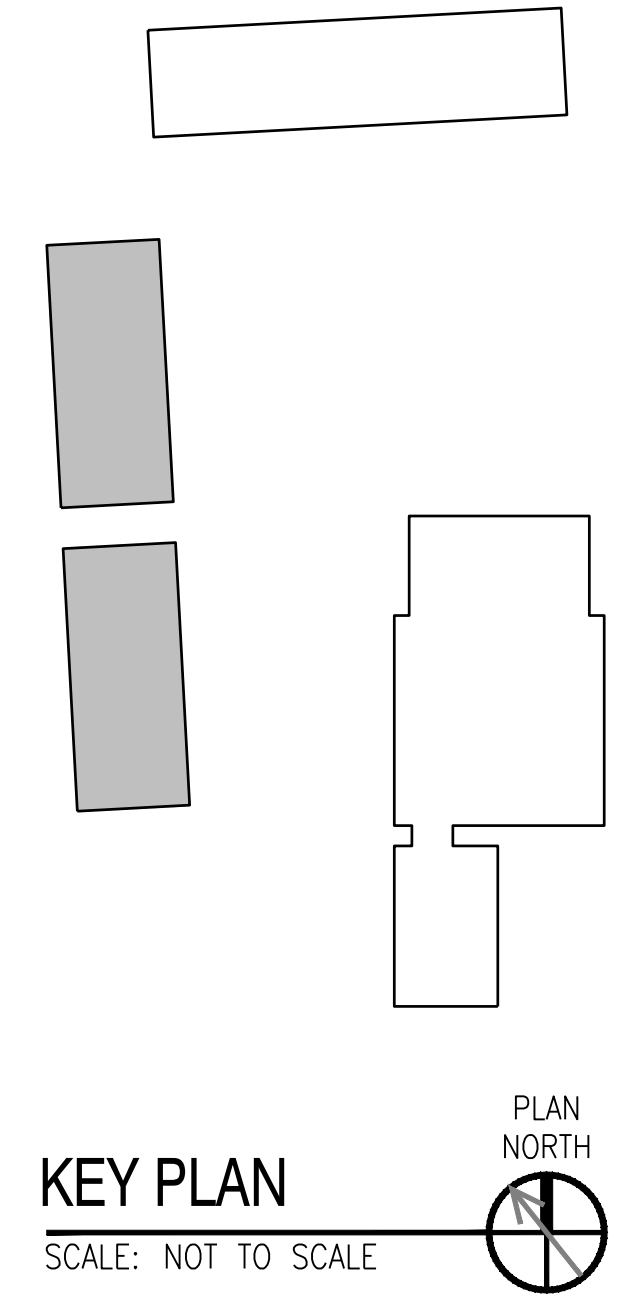
8 BAY SOUTH - FIRST FLOOR PLAN  
SCALE: 1/8" = 1'-0"



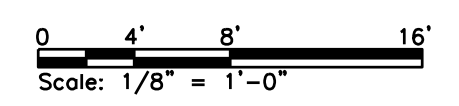
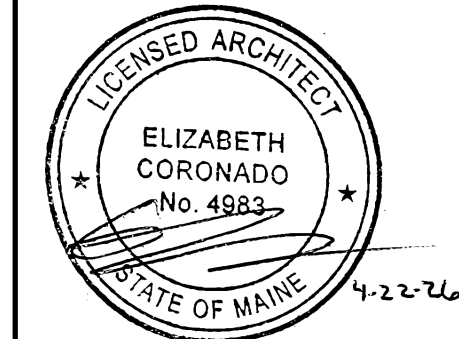
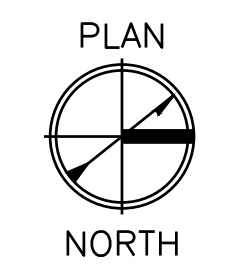
8 BAY NORTH - FIRST FLOOR PLAN  
SCALE: 1/8" = 1'-0"



RESTROOM SLAB CUTTING PLAN  
SCALE: 1/4" = 1'-0"



- NOTES:**
- SEE DRAWINGS A-001 FOR GENERAL NOTES, ABBREVIATIONS AND LEGENDS.
  - SEE MEP, FIRE PROTECTION/FIRE ALARM AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.
- DEMOLITION KEYED NOTES:**
- REMOVE INSULATED DOOR ASSEMBLY, FRAME AND ASSOCIATED HARDWARE AND TRIM
  - REMOVE WALL ASSEMBLY
  - REMOVE RESTROOM PLUMBING FIXTURES AND ASSOCIATED RESTROOM ACCESSORIES, SEE PLUMBING DRAWINGS
  - REMOVE DOOR ASSEMBLY, FRAME AND ASSOCIATED HARDWARE AND TRIM
  - REMOVE WINDOW ASSEMBLY AND ASSOCIATED TRIM
  - REMOVE WOOD TONGUE & GROOVE PANELING ON PARTITION TO EXTENTS SHOWN IN PLAN. WALL HEIGHT 8'-6" AFF VIF
  - REMOVE PORTION OF EXISTING CONCRETE SLAB AS INDICATED ON PLAN, COORDINATE W/FIRE PROTECTION DRAWINGS ON EXACT LOCATION
  - REMOVE EXISTING WOOD ATTIC ACCESS PANEL, ASSOCIATED TRIM AND CEILING FRAMING TO ACCOMMODATE INSTALLATION OF LARGER ATTIC ACCESS PANEL. CEILING HEIGHT APPROX 14'-6" AFF



Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

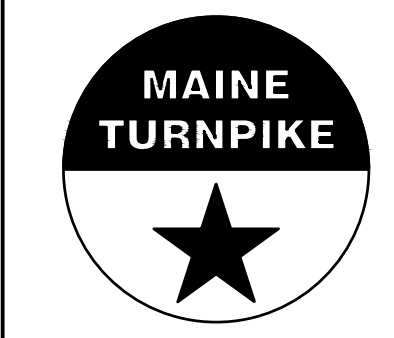
Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
Designed	SRP	04/17/2026	Checked	EAC	04/17/2026
Drawn	JDR	04/17/2026	In Charge of	MJK	04/17/2026



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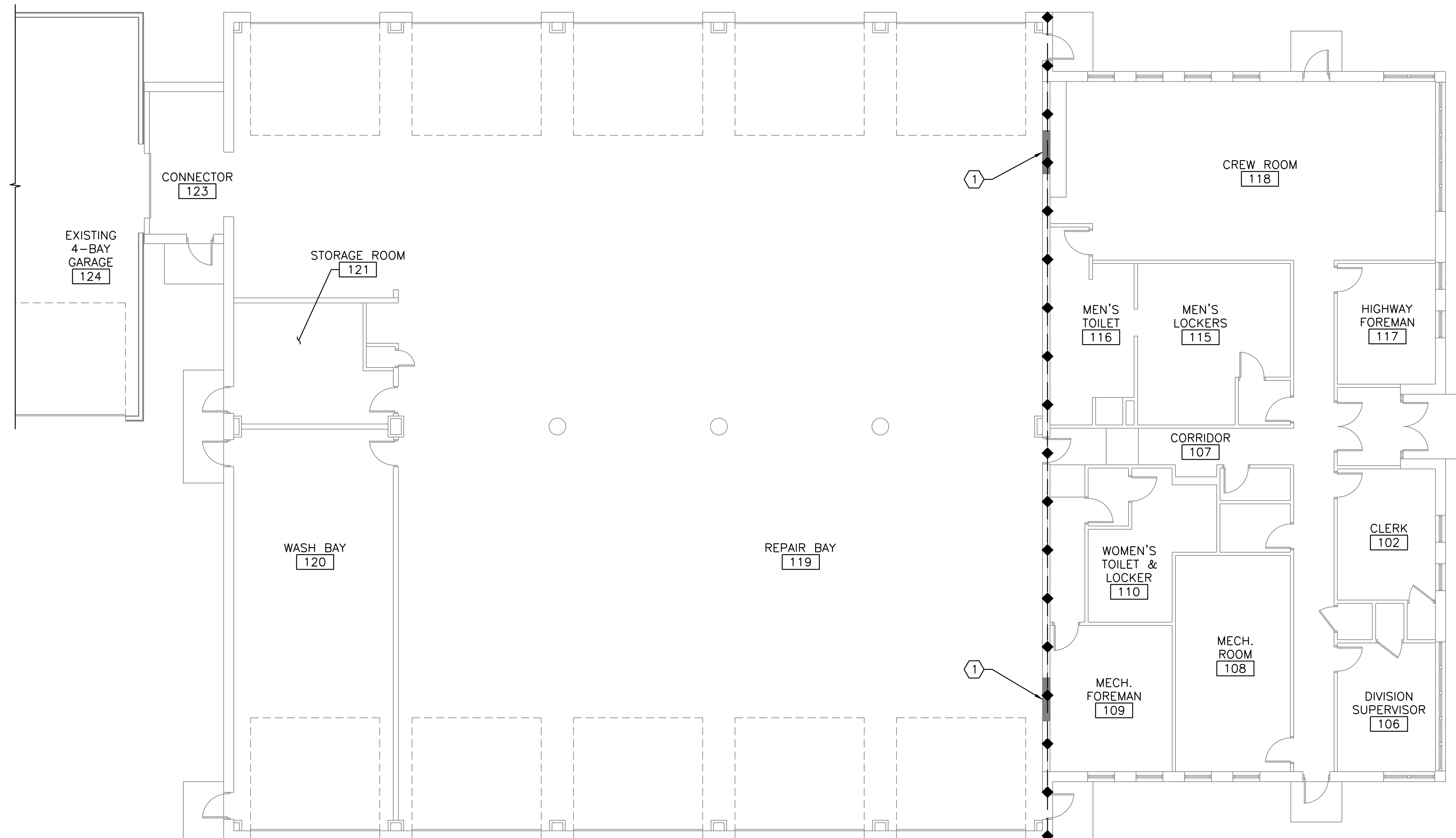
**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

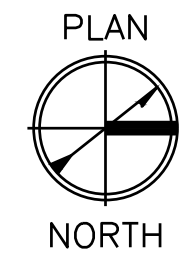
KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY

**8 BAY NORTH AND SOUTH DEMOLITION PLANS**

SHEET NUMBER: AD102  
CONTRACT: 2026.08  
25 OF 62



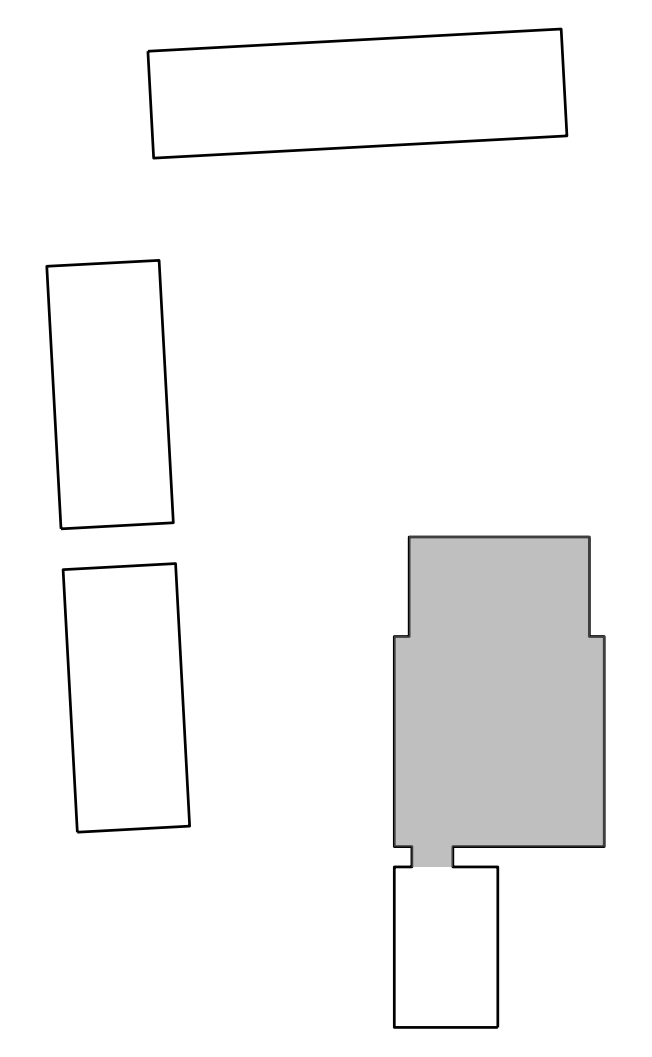
FIRST FLOOR PLAN  
SCALE: 1/8" = 1'-0"



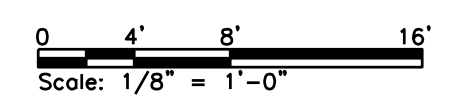
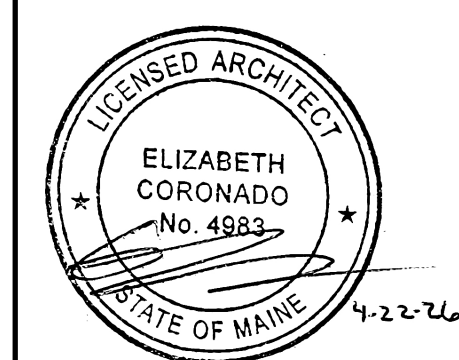
- NOTES:**
- SEE DRAWINGS A-001 FOR GENERAL NOTES, ABBREVIATIONS AND LEGENDS.
  - SEE MEP, FIRE PROTECTION/FIRE ALARM AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.
  - SEE A-602 FOR DOOR TYPES AND DETAILS.

**KEYED NOTES:**  
① CMU WINDOW INFILL, SEE STRUCTURAL DRAWINGS

**LEGEND:**  
◆ — EXISTING 1 HR FIRE BARRIER WALL ASSEMBLY



KEY PLAN  
SCALE: NOT TO SCALE



Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

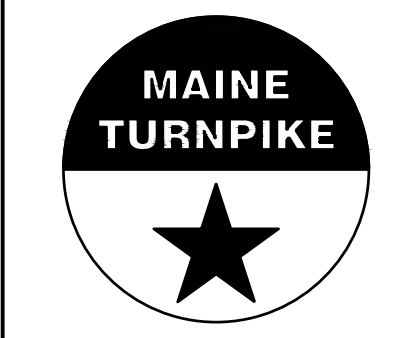
Designed by:  
COLBY COMPANY, LLC  
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207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
Designed	SRP	04/17/2026	Checked	EAC	04/17/2026
Drawn	JDR	04/17/2026	In Charge of	MJK	04/17/2026



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THE GOLD STAR  
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: JACQUELINE HANSEN

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY

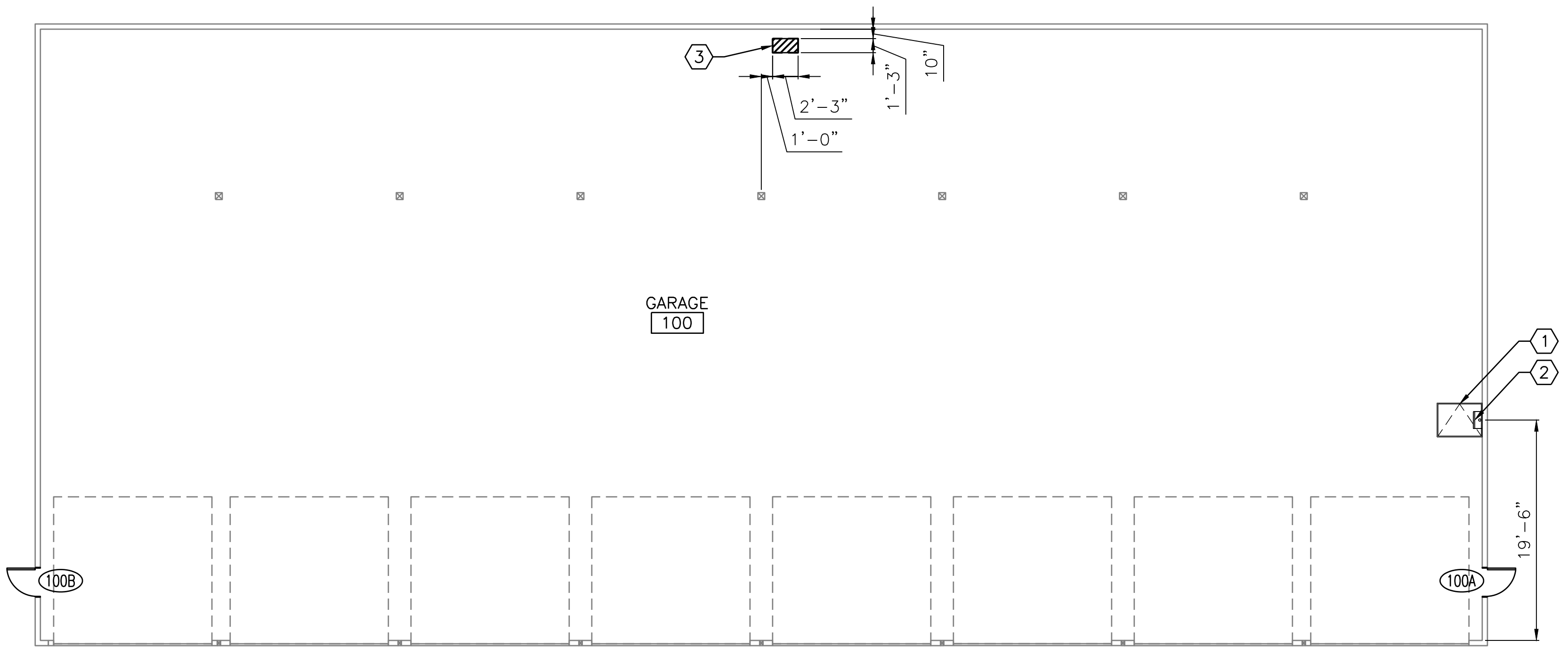
FIRST FLOOR PLAN

CONTRACT: 2026.08

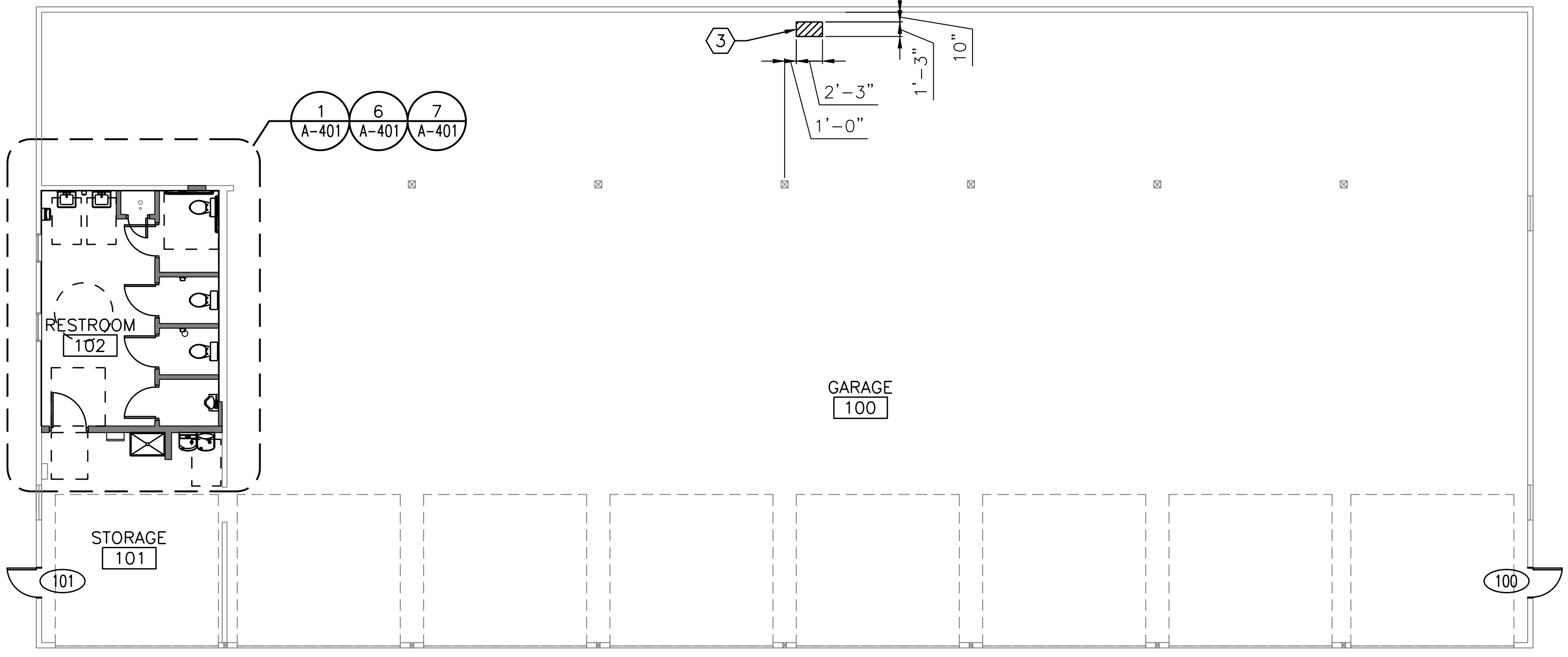
SHEET NUMBER: A-101

- NOTES:**
- SEE DRAWINGS A-001 FOR GENERAL NOTES, ABBREVIATIONS AND LEGENDS.
  - SEE MEP, FIRE PROTECTION/FIRE ALARM AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.
  - SEE A-602 FOR DOOR TYPES AND DETAILS.

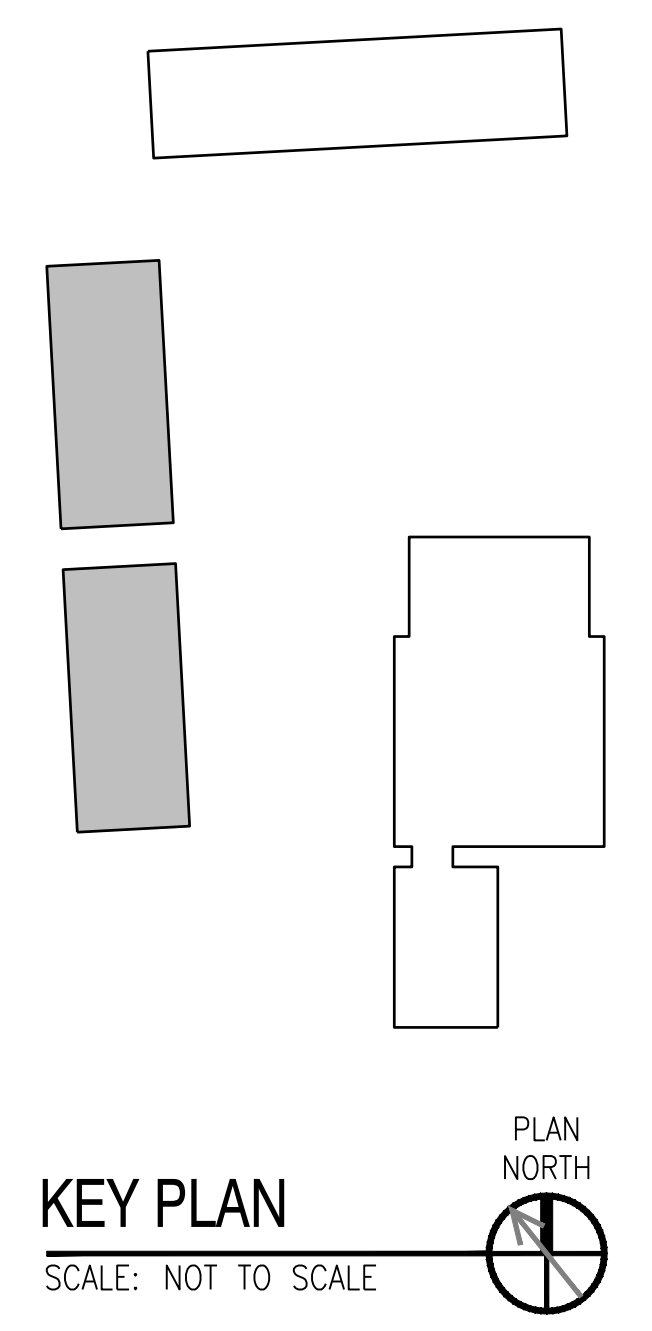
- KEYED NOTES:**
- 3'-0" X 4'-0" METAL ATTIC ACCESS PANEL ABOVE, CEILING HEIGHT APPROX 14'-6" AFF.
  - ATTIC ACCESS LADDER
  - SLAB INFILL, SEE STRUCTURAL DRAWINGS



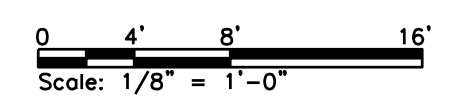
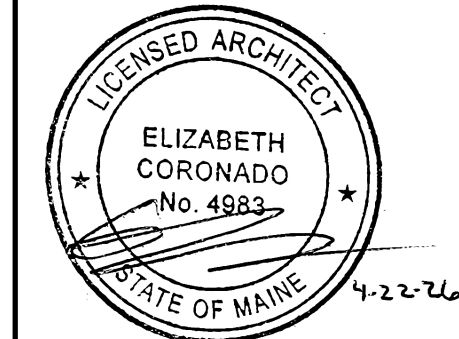
**8 BAY SOUTH - FIRST FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



**8 BAY NORTH - FIRST FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



**KEY PLAN**  
SCALE: NOT TO SCALE

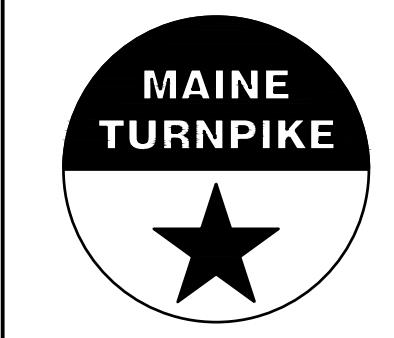


No.	Revision	By	Date
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Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753			
CONSULTANT PROJECT MANAGER: MIKE KELLEY			
	By	Date	
Designed	SRP	04/17/2026	Checked
Drawn	JDR	04/17/2026	In Charge of
			EAC
			MJK
			04/17/2026



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**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

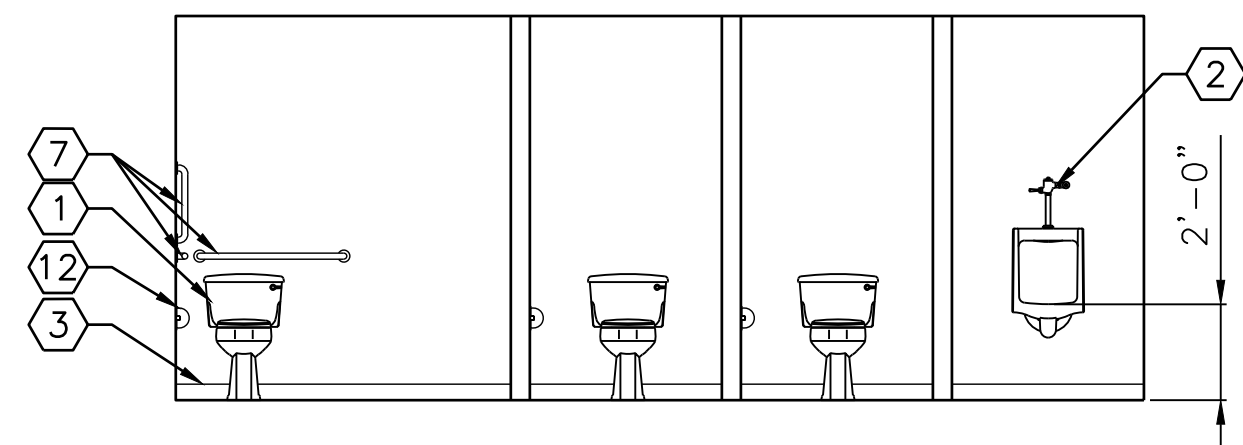
**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**8 BAY NORTH AND SOUTH PLANS**

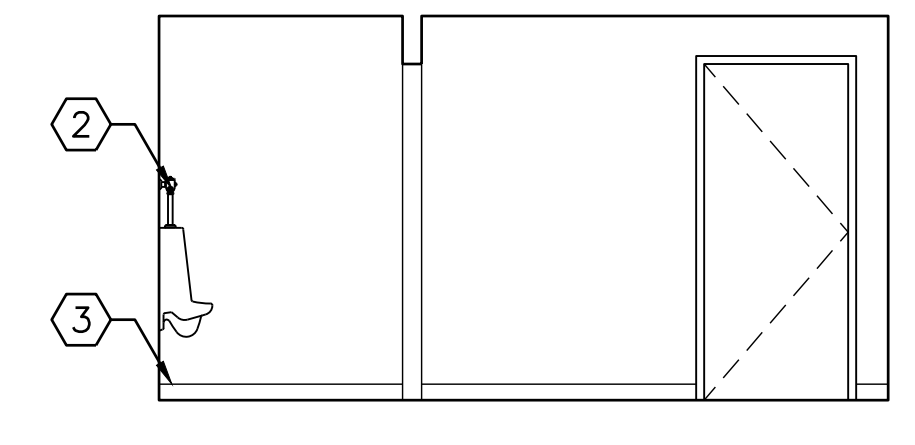
CONTRACT: 2026.08

SHEET NUMBER: A-102

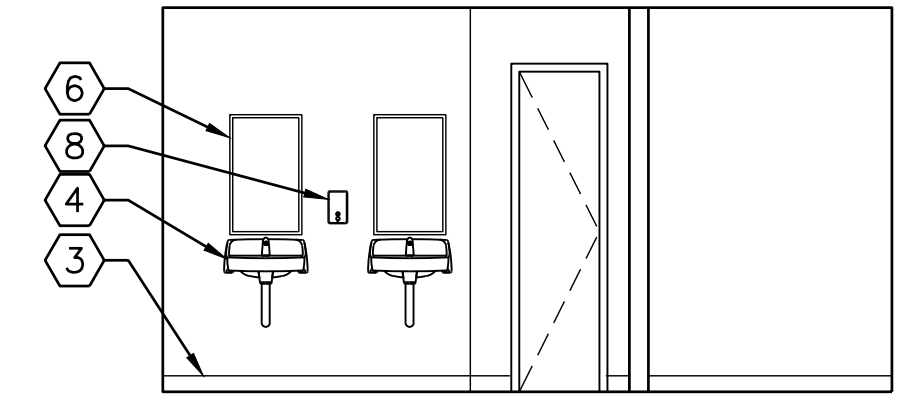
27 OF 62



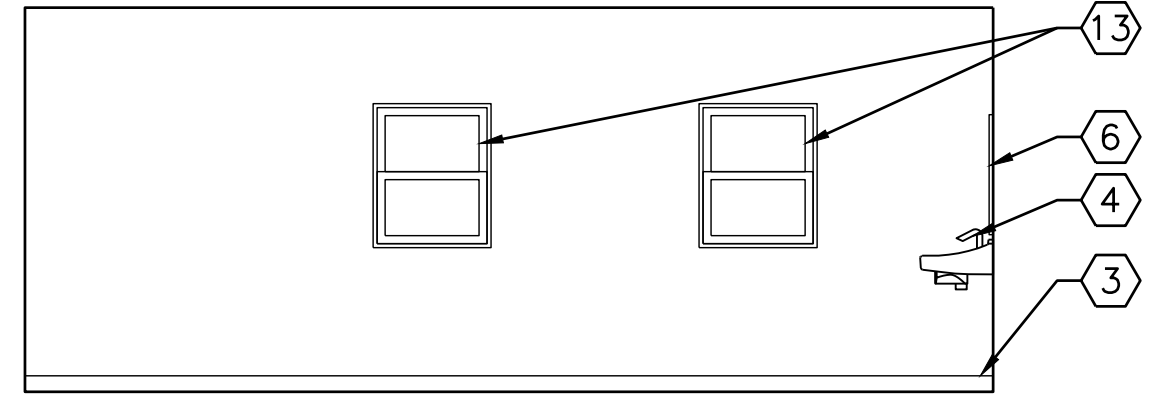
3 RESTROOM ELEVATION  
A-401 SCALE: 1/4" = 1'-0" A-102



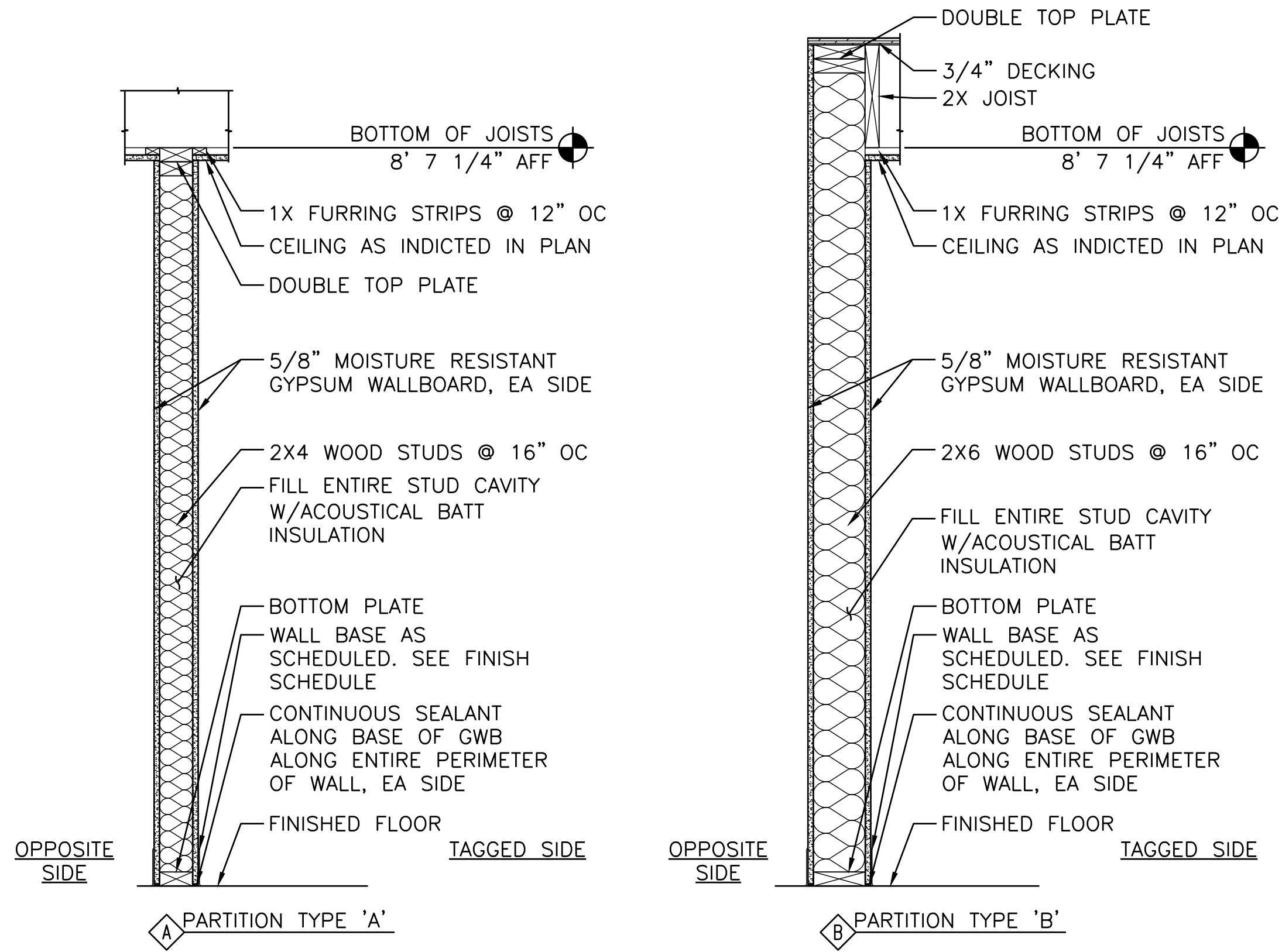
4 RESTROOM ELEVATION  
A-401 SCALE: 1/4" = 1'-0" A-102



2 RESTROOM ELEVATION  
A-401 SCALE: 1/4" = 1'-0" A-102



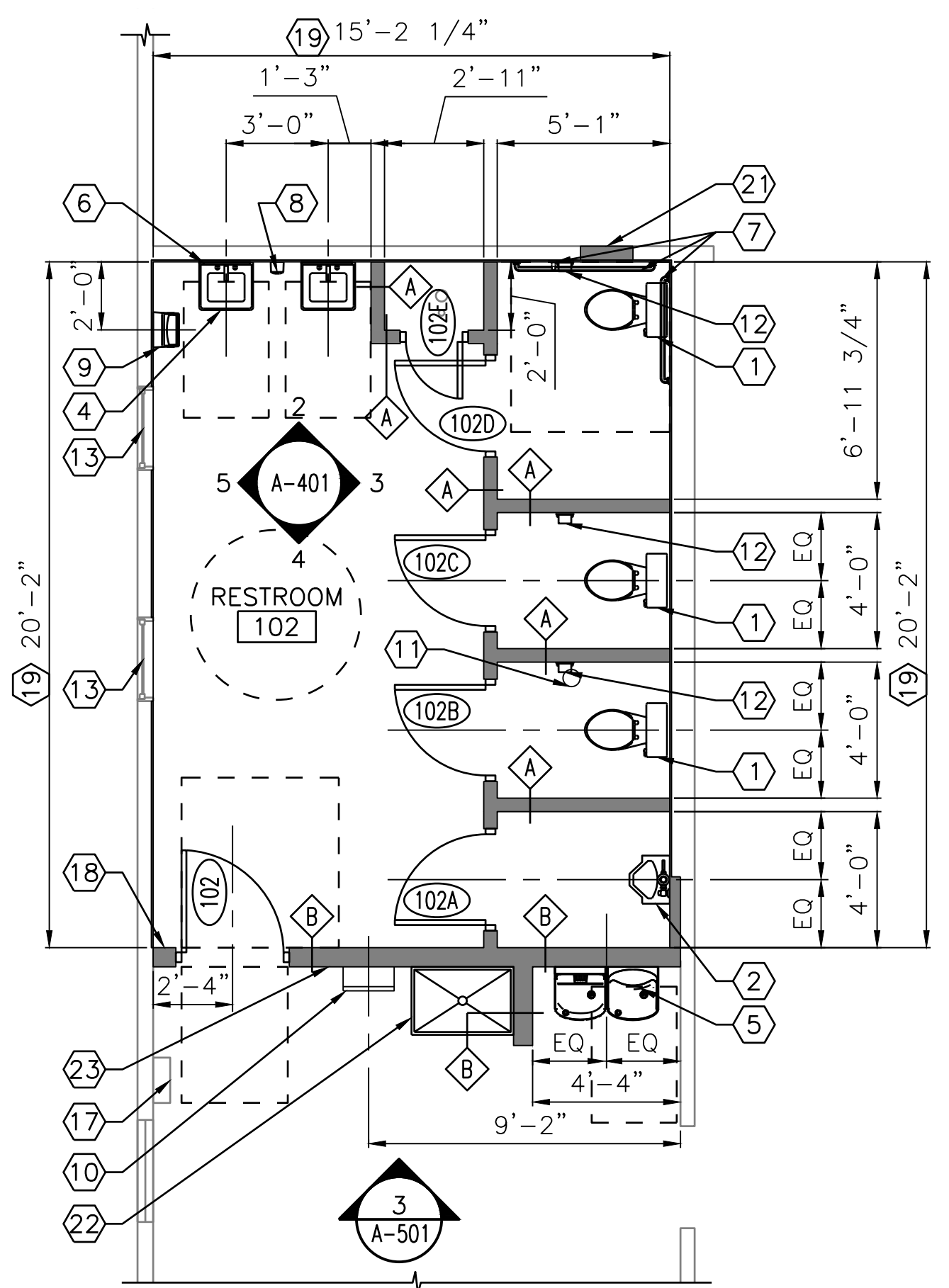
5 RESTROOM ELEVATION  
A-401 SCALE: 1/4" = 1'-0" A-102



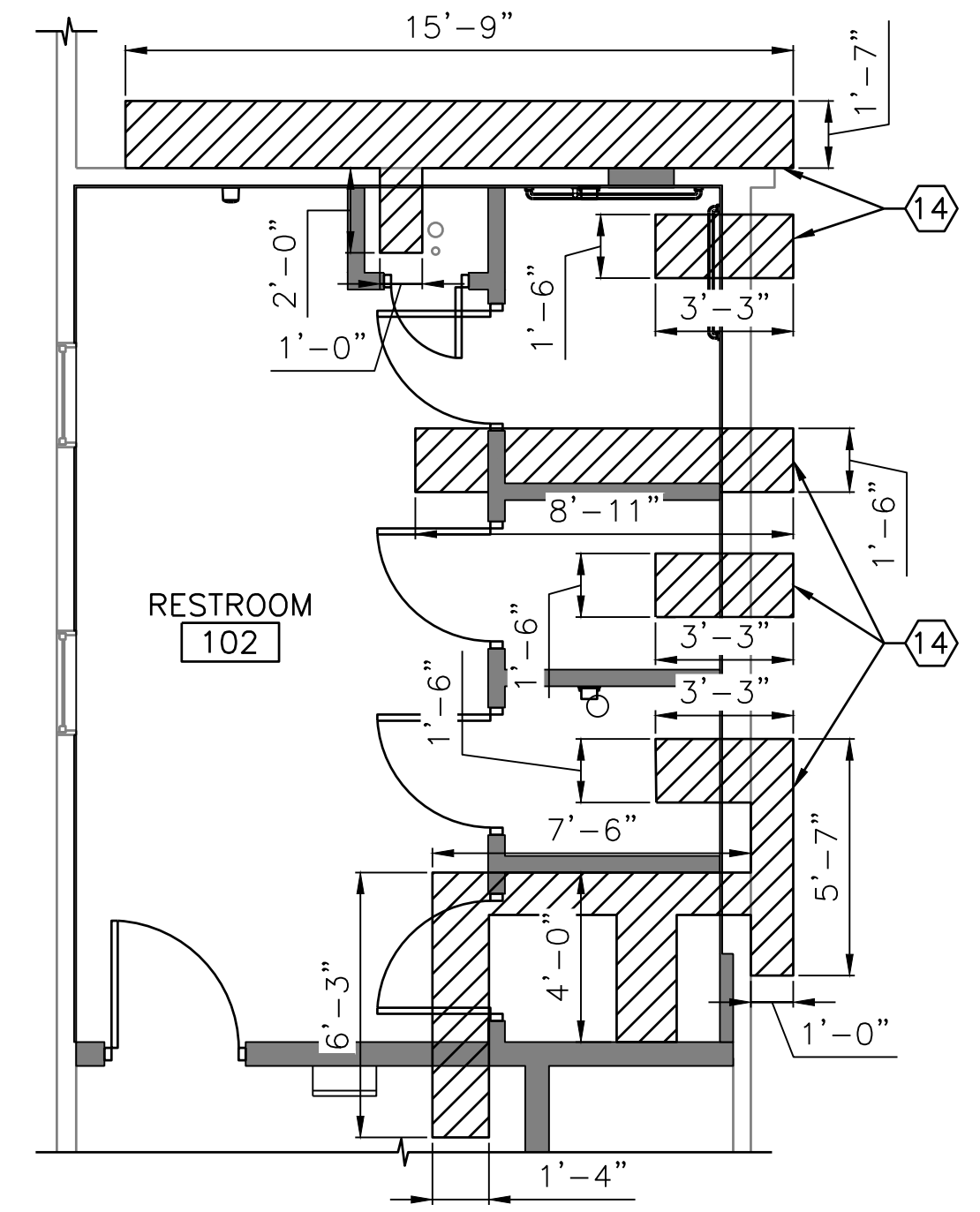
9 PARTITION TYPES  
A-401 SCALE: 1" = 1'-0" A-401

- NOTES:**
- SEE DRAWINGS A-001 FOR GENERAL NOTES, ABBREVIATIONS AND LEGENDS.
  - SEE MEP, FIRE PROTECTION/FIRE ALARM AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.
  - SEE A-602 FOR DOOR TYPES AND DETAILS.
  - WALL MOUNTED EQUIPMENT/DISPENSERS (PAPER TOWEL, TOILET PAPER, SOAP, ETC.) ARE ALL SUPPLIED BY MTA. CONTRACTOR MUST PROVIDE BLOCKING AND COORDINATE LOCATIONS OF BLOCKING WITH MTA FACILITIES MAINTENANCE FOR THEM TO PROVIDE AND INSTALL WALL MOUNTED EQUIPMENT. SEE A-001 FOR MOUNTING HEIGHT REQUIREMENTS.

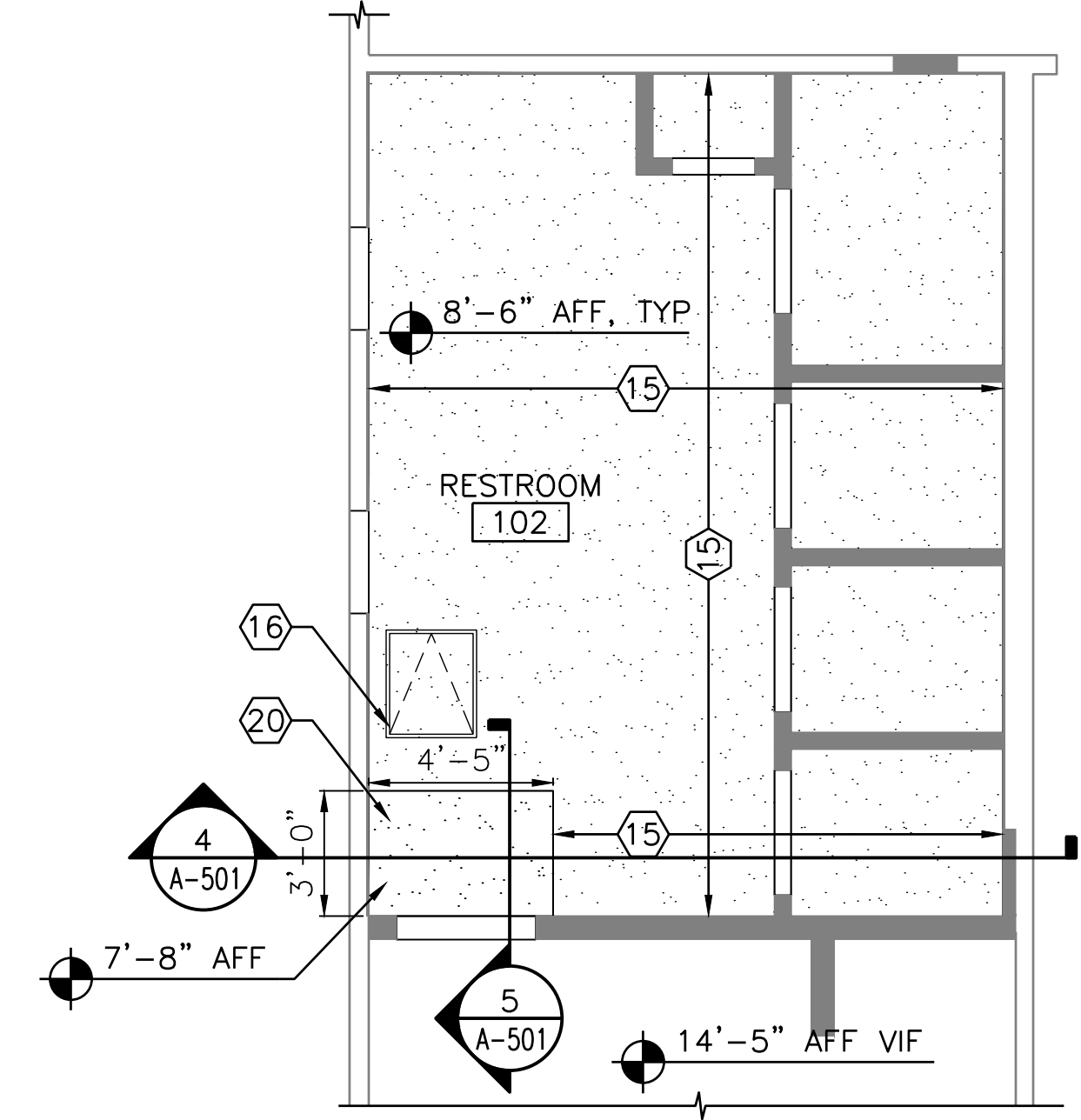
- KEYED NOTES:**
- FLOOR MOUNTED WATER CLOSET, SEE PLUMBING DRAWINGS
  - URINAL, SEE PLUMBING DRAWINGS
  - WALL BASE, SEE FINISH SCHEDULE
  - WALL HUNG LAVATORY, SEE PLUMBING DRAWINGS
  - DUAL HEIGHT DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS
  - 18" X 30" MIRROR
  - ADA COMPLIANT GRAB BARS
  - SOAP DISPENSER
  - SURFACE MOUNT PAPER TOWEL DISPENSER
  - ATTIC ACCESS LADDER
  - FLOOR DRAIN, SEE PLUMBING DRAWINGS
  - SEMI-RECESSED TOILET TISSUE DISPENSER
  - VIEW OBSTRUCTING WINDOW FILM APPLIED TO WINDOWS
  - SLAB INFILL, SEE STRUCTURAL DRAWINGS
  - CEILING ASSEMBLY: 3/4" PLYWOOD DECKING ON 2"x12" WOOD JOISTS @ 16" OC W/1X WOOD STRAPPING AND 1/2" MOISTURE RESISTANT GYPSUM BOARD CEILING, SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION
  - 24" X 30" INSULATED METAL ATTIC ACCESS PANEL ABOVE WITH WEATHER GASKET AT OPENING PERIMETER. SUPPORT OPENING WITH 2X FRAMING THAT MATCHES THE WIDTH OF EXISTING TRUSS CHORD
  - ELECTRICAL PANEL, SEE ELECTRICAL DRAWINGS
  - NOTCH WALL AND CEILING IN THIS AREA AROUND EXISTING VENT, SEE 3/A-501
  - 5/8" MR GYPSUM WALLBOARD FASTENED TO EXISTING STUDS FROM FINISHED FLOOR TO CEILING
  - GYPSUM BOARD SOFFIT FRAMED AROUND LOUVER ABOVE
  - WINDOW INFILL, MATCH SURROUNDING WALL CONSTRUCTION
  - 24" X 36" MOP SINK, SEE PLUMBING DRAWINGS
  - LAMINATED SIGNAGE, MOUNTED AT 48" AFF NEXT TO LADDER, STATING: FLOOR RATING ABOVE RESTROOMS IS DESIGNED FOR MAXIMUM 40 PSF LIVE LOAD. THIS FLOOR ASSEMBLY IS NOT DESIGNED FOR STORAGE USE



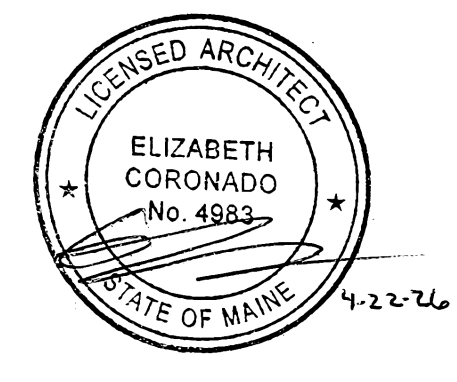
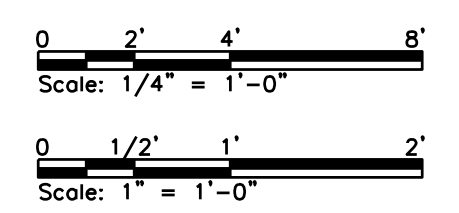
1 RESTROOM ENLARGED PLAN  
A-401 SCALE: 1/4" = 1'-0" A-102



6 SLAB INFILL PLAN  
A-401 SCALE: 1/4" = 1'-0" A-102



7 RESTROOM REFLECTED CEILING PLAN  
A-401 SCALE: 1/4" = 1'-0" A-102



No.	Revision	By	Date
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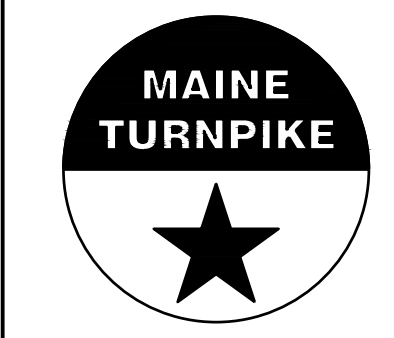
Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

By	Date	By	Date
Designed	SRP 04/17/2026	Checked	EAC 04/17/2026
Drawn	JDR 04/17/2026	In Charge of	MJK 04/17/2026



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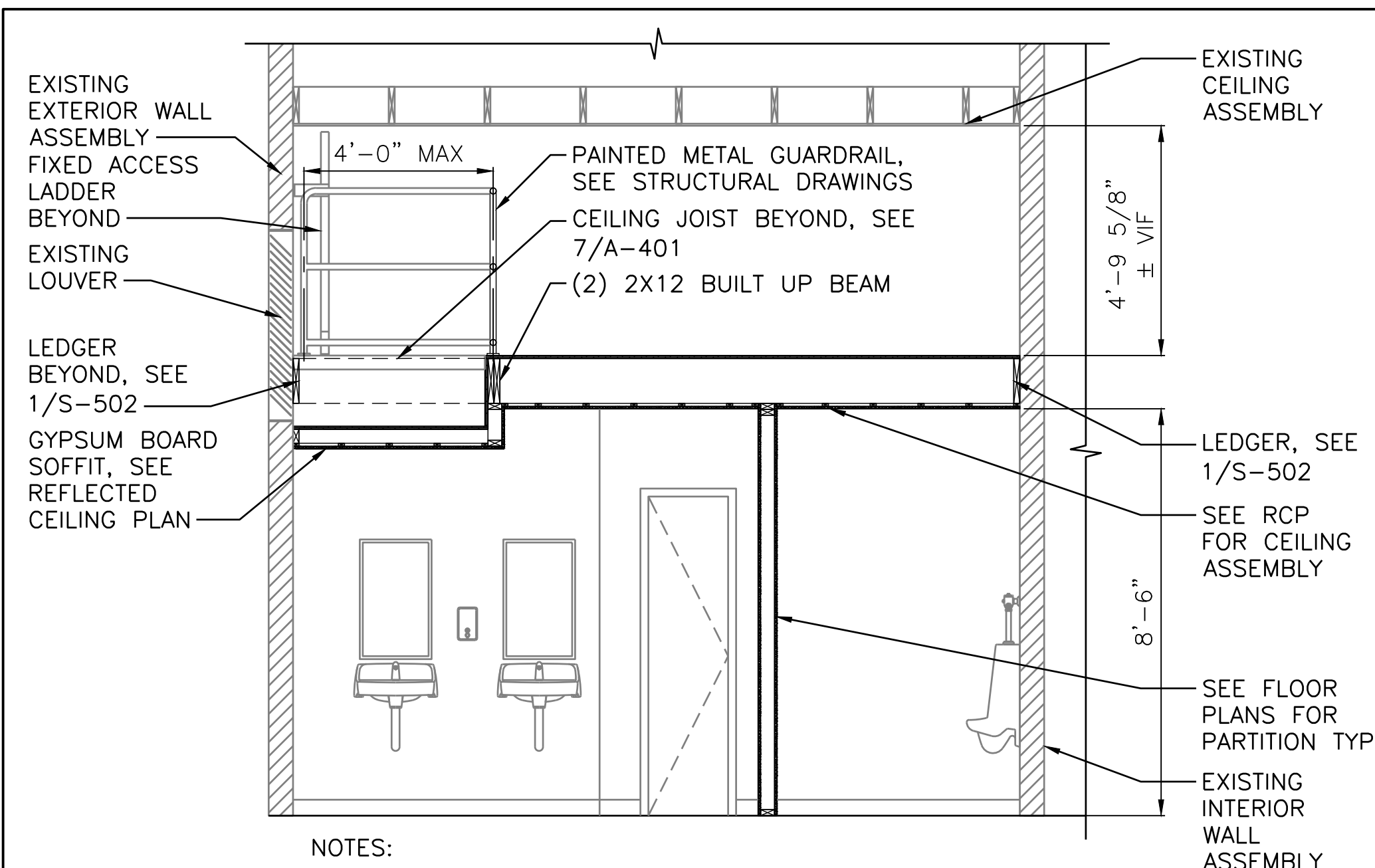


THE GOLD STAR  
MEMORIAL HIGHWAY

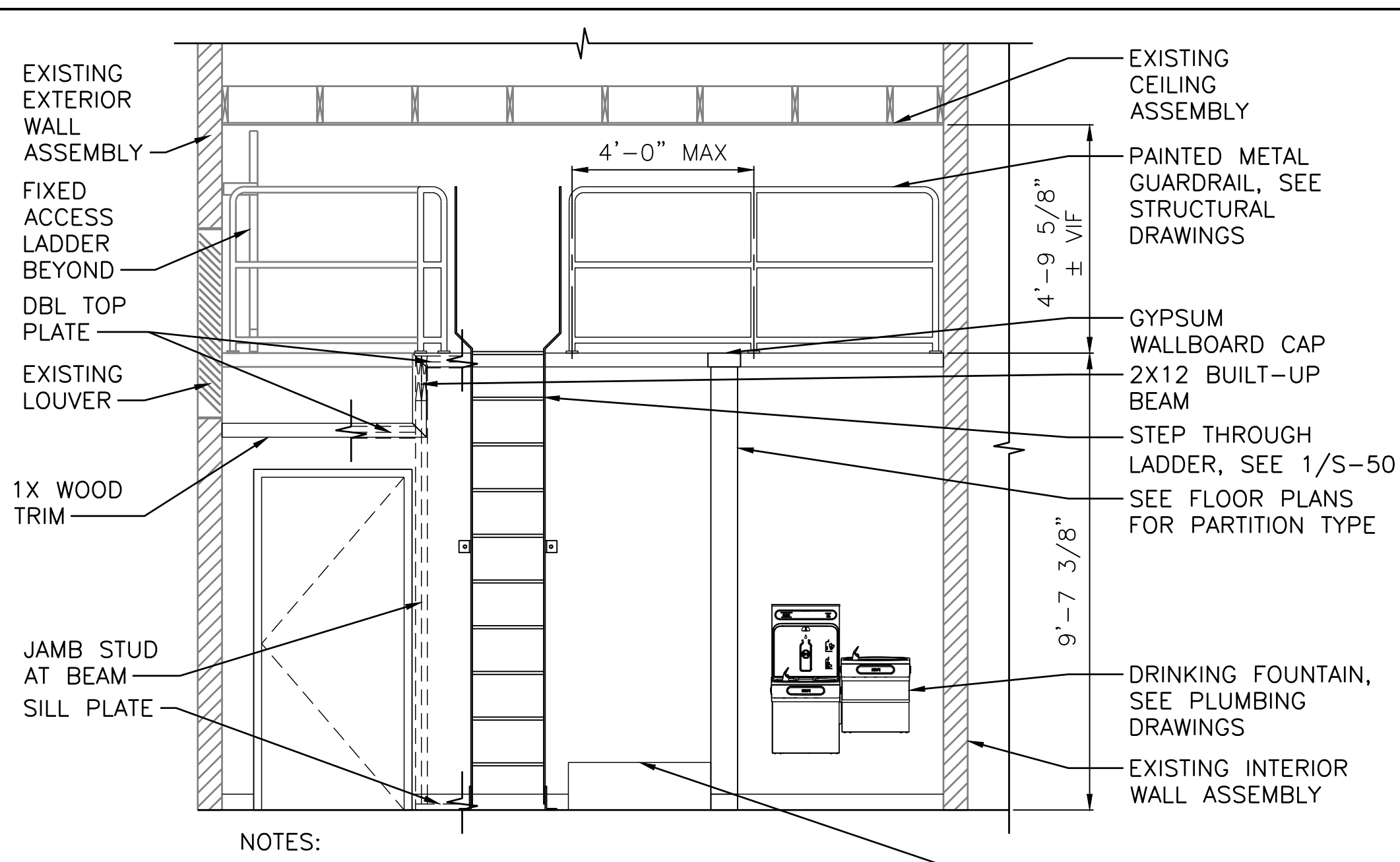
MTA PROJECT MANAGER: JACQUELINE HANSEN

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
RESTROOM ENLARGED PLANS AND ELEVATIONS

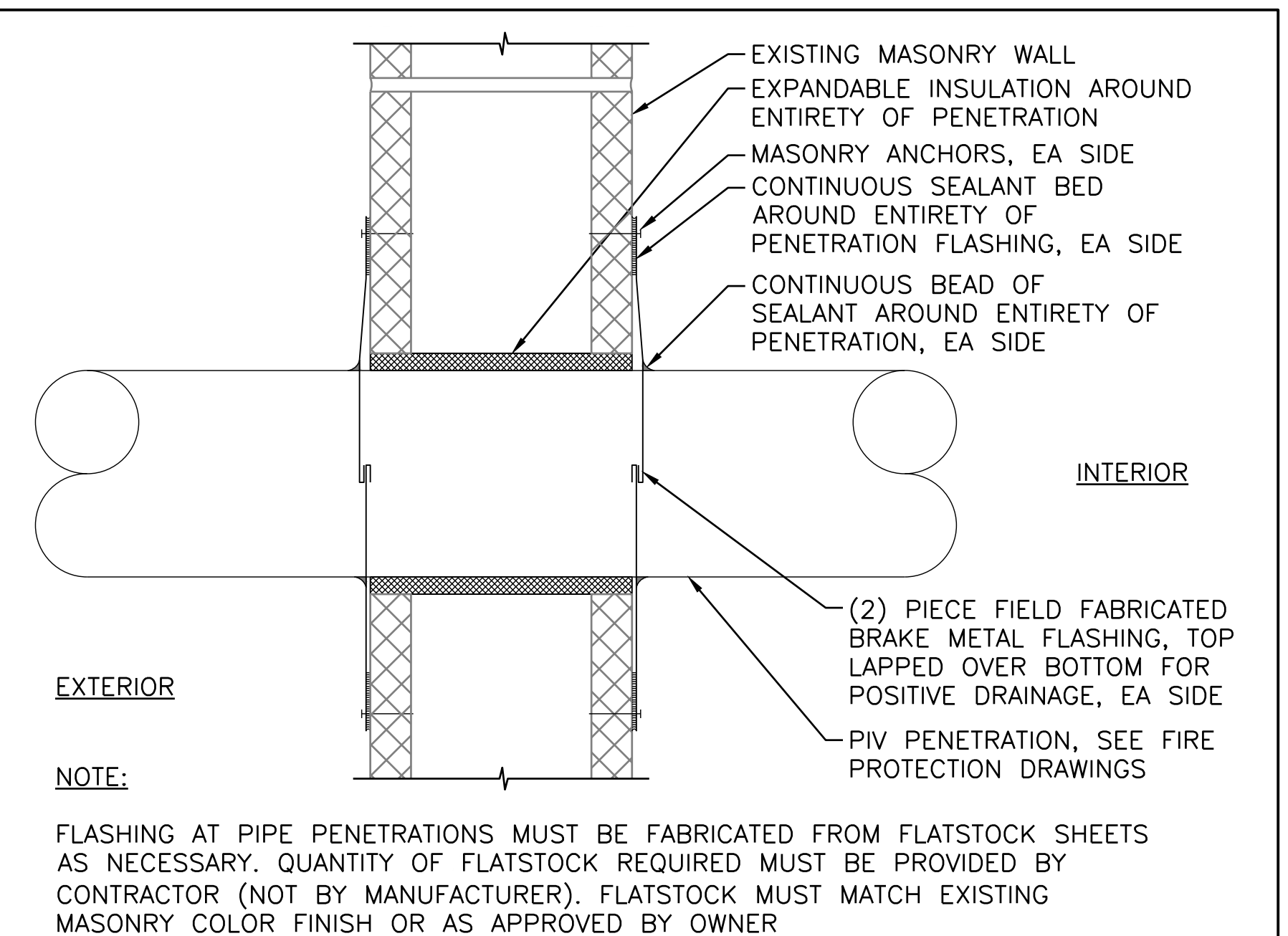
SHEET NUMBER: A-401  
CONTRACT: 2026.08  
28 OF 62



- NOTES:
1. WALL STUDS OMITTED FOR CLARITY.
  2. SEE FASTENING SCHEDULE ON S-002.
  3. SEE ENLARGED PLANS FOR RESTROOM INFORMATION.



- NOTES:
1. WALL STUDS OMITTED FOR CLARITY.
  2. SEE FASTENING SCHEDULE ON S-002.

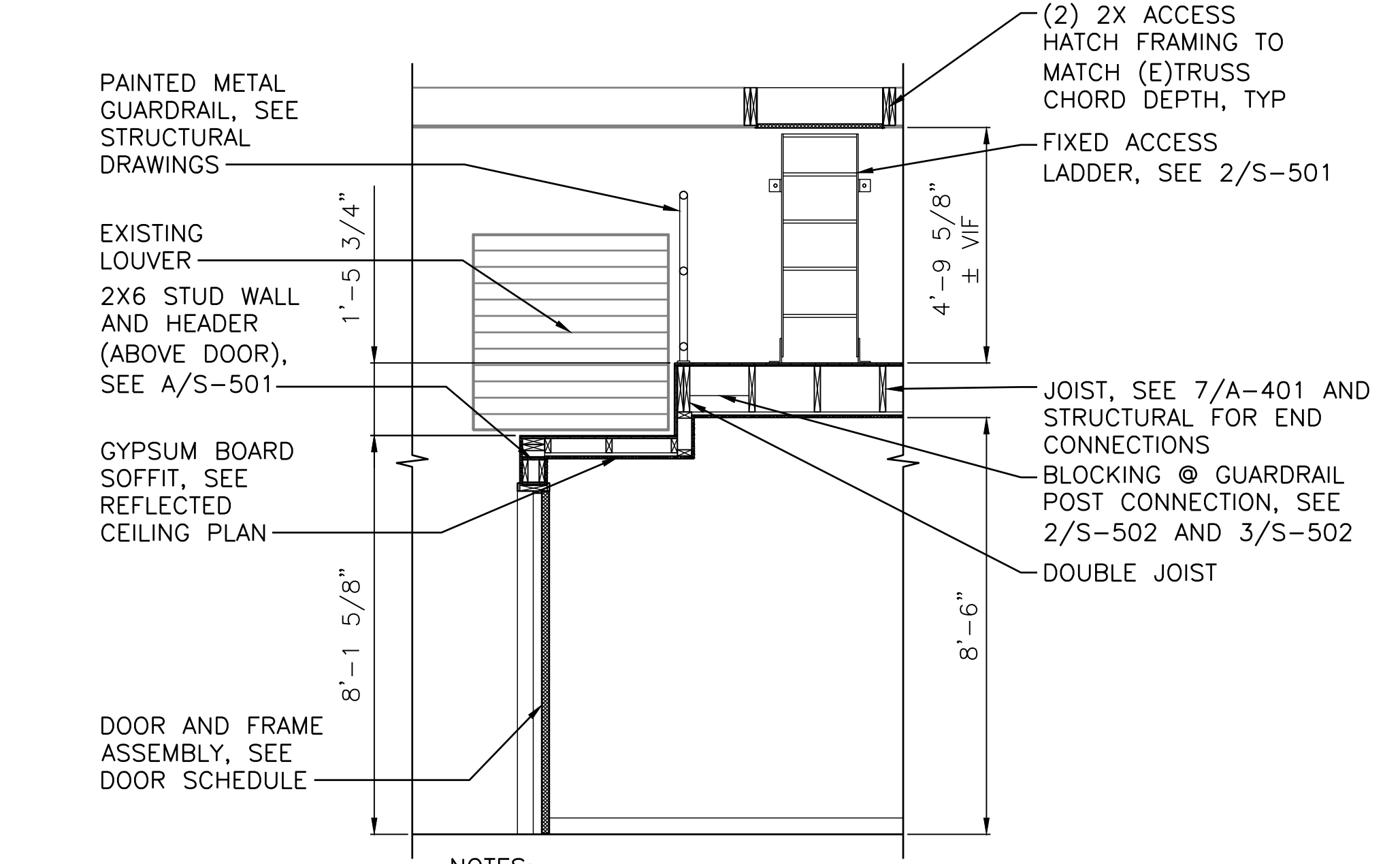


NOTE:  
FLASHING AT PIPE PENETRATIONS MUST BE FABRICATED FROM FLATSTOCK SHEETS AS NECESSARY. QUANTITY OF FLATSTOCK REQUIRED MUST BE PROVIDED BY CONTRACTOR (NOT BY MANUFACTURER). FLATSTOCK MUST MATCH EXISTING MASONRY COLOR FINISH OR AS APPROVED BY OWNER

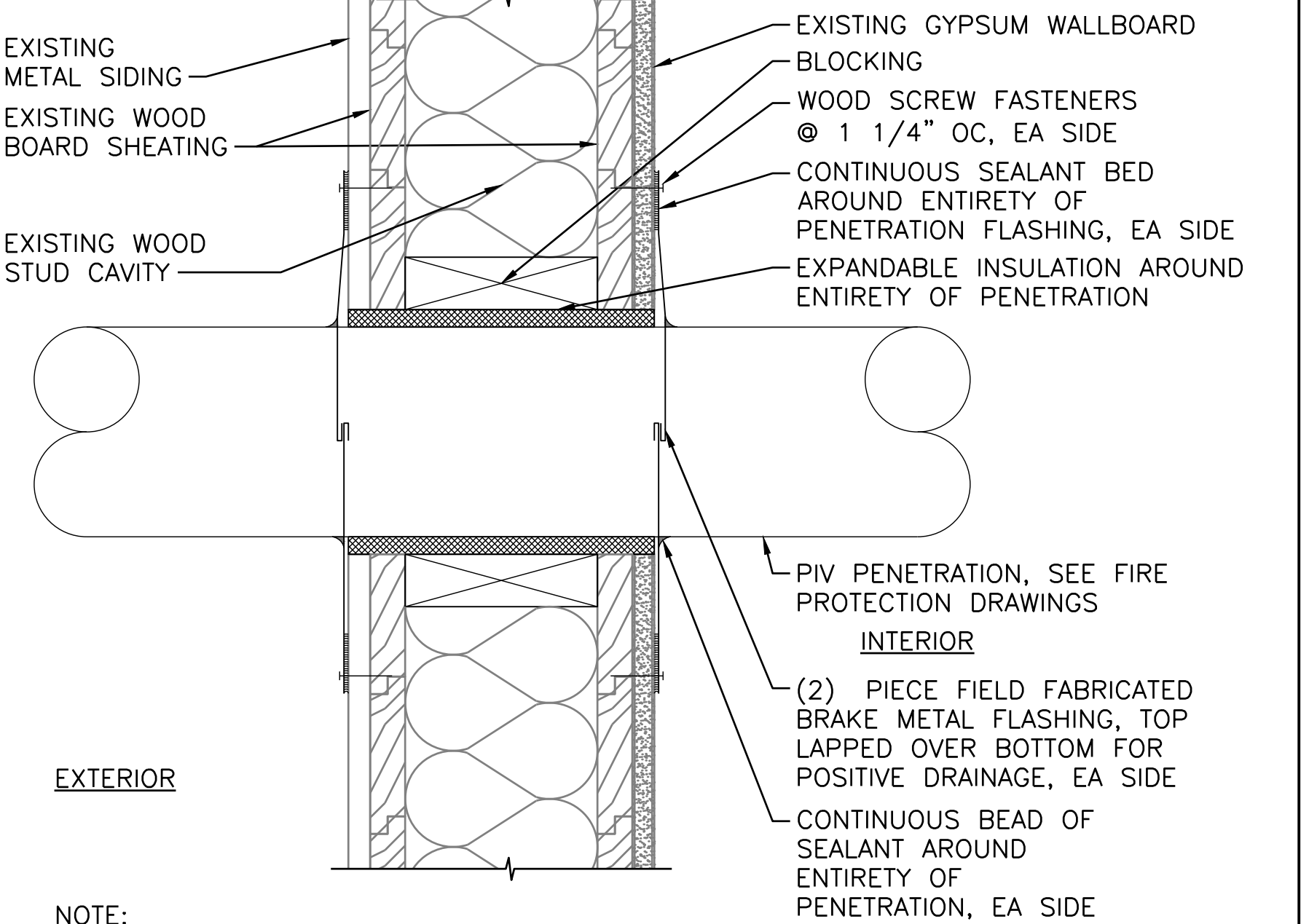
**SECTION A**  
A-501 SCALE: 3/8" = 1'-0"

**ELEVATION A**  
A-501 SCALE: 3/8" = 1'-0"

**PENETRATION DETAIL AT EXISTING EXTERIOR MASONRY WALL - PIV**  
A-501 SCALE: 3" = 1'-0"



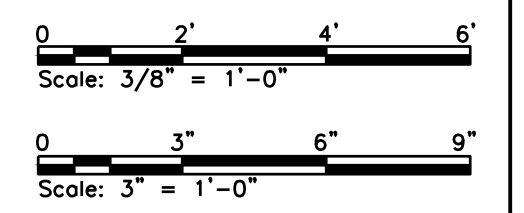
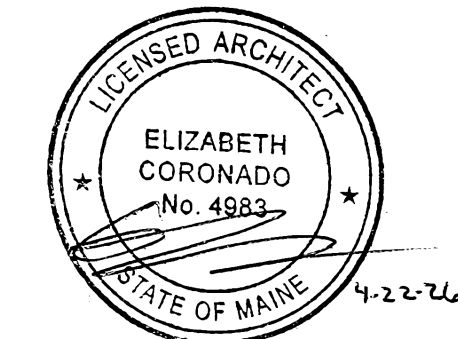
- NOTES:
1. WALL STUDS OMITTED FOR CLARITY.
  2. SEE FASTENING SCHEDULE ON S-002.
  3. SEE 4/S-501 FOR INFORMATION NOT SHOWN.



NOTE:  
FLASHING AT PIPE PENETRATIONS MUST BE FABRICATED FROM FLATSTOCK SHEETS AS NECESSARY. QUANTITY OF FLATSTOCK REQUIRED MUST BE PROVIDED BY CONTRACTOR (NOT BY MANUFACTURER). FLATSTOCK MUST MATCH EXISTING EXTERIOR METAL PANEL COLOR FINISH OR AS APPROVED BY OWNER

**PENETRATION DETAIL AT EXISTING EXTERIOR WOOD STUD WALL - PIV (NON-RATED)**  
A-501 SCALE: 3" = 1'-0"

**SECTION B**  
A-501 SCALE: 3/8" = 1'-0"

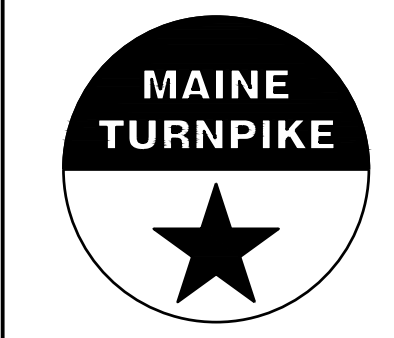


No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753			
CONSULTANT PROJECT MANAGER: MIKE KELLEY			
	By	Date	
Designed	SRP	04/17/2026	Checked
Drawn	JDR	04/17/2026	In Charge of
	By	Date	
	EAC	04/17/2026	
	MJK	04/17/2026	



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04101  
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**THE GOLD STAR  
MEMORIAL HIGHWAY**

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**PARTITION TYPES AND TYPICAL DETAILS**

SHEET NUMBER: A-501  
CONTRACT: 2026.08  
29 OF 62

MTA PROJECT MANAGER: JACQUELINE HANSEN

**ROOM FINISHES SCHEDULE**

ROOM NUMBER	LOCATION	FLOOR FINISH	WALL BASE	WALLS								WINDOW TREATMENTS	CEILINGS		CEILING HEIGHT	REMARKS
				NORTH	FINISH	SOUTH	FINISH	EAST	FINISH	WEST	FINISH		MATERIAL	FINISH		
101	STORAGE	ETR/TRWL	RB-1	ETR	PT-1	ETR	PT-1	ETR	ETR	GYP	PT-1	---	ETR	---	14'-5"	---
102	RESTROOM	CONC	RB-1	GYP	FRP/PT-1	ETR	FRP/PT-1	GYP	FRP/PT-1	GYP	FRP/PT-1	---	GYP	PT-2	8'-6"	1, 2

**NOTES:**

- SEE DRAWINGS A-001 FOR GENERAL NOTES, ABBREVIATIONS AND LEGENDS.
- SEE MEP, FIRE PROTECTION/FIRE ALARM AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.
- COORDINATE THROUGH-WALL, FLOOR AND CEILING PENETRATIONS.

**FINISHES NOTES:**

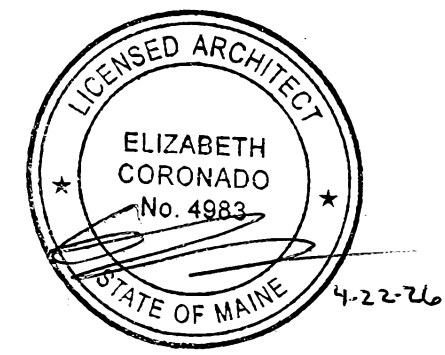
- GYP SUM WALLBOARD WALLS RECEIVING FRP FINISH MUST STILL HAVE TAPED AND MUDDERED SEAMS WITH 1-COAT OF PRIMER PRIOR TO INSTALLATION OF FRP.
- FRP UP TO 8'-0" AFF.

**FINISHES GENERAL NOTES:**

- CLEAN AND PROPERLY PREPARE ALL SUB-SURFACES TO RECEIVE SPECIFIED FINISHES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- PROVIDE THRESHOLD AND TRANSITION STRIPS AS REQUIRED AT DOOR TRANSITIONS. INSTALL PER MANUFACTURER'S DETAILS. ADA HEIGHT LIMIT OF 1/2" MAX.
- SEE SPECIFICATIONS FOR SAMPLE REQUIREMENTS.
- PAINT FIRE PROTECTION PIPING RED, DUCTWORK TO REMAIN UNPAINTED. SEE PAINTING SCHEDULES IN SPECIFICATIONS.
- COORDINATE WALL MOUNTED EQUIPMENT W/BLOCKING AND FINISHES.

**FINISHES LEGEND**

FINISH	MATERIAL	MANUFACTURER	COLLECTION	COLOR	ADDITIONAL INFORMATION
RB-1	RUBBER BASE	ARMSTRONG	WALL BASE COVERED	PLATINUM CG 21	4" HEIGHT
PT-1	WALL/CEILING PAINT	SHERWIN WILLIAMS	PROMARE 0-VOC/PM200 HP 0	'EXTRA WHITE' SW-7006	SEMI-GLOSS
PT-2	DOORS AND FRAMES	SHERWIN WILLIAMS	PROMARE 0-VOC/PM200 HP 0	'AGREEABLE GRAY' SW-7029	SEMI-GLOSS, VERIFY COLOR W/OWNER
TRWL	CONCRETE	---	---	NATURAL	TROVELED FINISH W/SEALANT
FRP	FIBER REINFORCED PLASTIC	---	---	WHITE	4'X8' SHEETS, 1/8" THICK, TEXTURED, ALL TRIM ACCESSORIES FOR SEAMS PROVIDED, COORDINATE OUTLET AND PLUMBING PENETRATIONS
SEALED CONC.	CONCRETE SEALER/HARDENER	RETROPLATE SYSTEMS	RETROPLATE CONCRETE POLISHING SYSTEM	---	---



Scale: AS NOTED

Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753



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**THE GOLD STAR  
MEMORIAL HIGHWAY**

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
ROOM FINISHES SCHEDULE AND LEGEND**

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

CONSULTANT PROJECT MANAGER: MIKE KELLEY							
	By	Date		By	Date		
Designed	SRP	04/17/2026	Checked	EAC	04/17/2026		
Drawn	JDR	04/17/2026	In Charge of	MJK	04/17/2026		

MTA PROJECT MANAGER: JACQUELINE HANSEN

CONTRACT: 2026.08

SHEET NUMBER: A-601

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# DOOR SCHEDULE

ID	LOCATION	SIZE	THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	DOOR UNDERCUT	HEAD	JAMB	SILL	HARDWARE SET	FIRE LABEL	ACCESS CONTROL	REMARKS
100	GARAGE TO EXTERIOR	3'-0" x 7'-0"	1 3/4"	A	INSUL MTL	PTD	Y	1	INSUL MTL	PTD	N	3/A-602	4/A-602	5/A-602	1	---	Y	---
101	STORAGE TO EXTERIOR	3'-0" x 7'-0"	1 3/4"	A	INSUL MTL	PTD	Y	1	INSUL MTL	PTD	N	3/A-602	4/A-602	5/A-602	1	---	Y	---
100A	GARAGE TO EXTERIOR	3'-0" x 7'-0"	1 3/4"	A	INSUL MTL	PTD	Y	1	INSUL MTL	PTD	N	3/A-602	4/A-602	5/A-602	1	---	Y	---
100B	GARAGE TO EXTERIOR	3'-0" x 7'-0"	1 3/4"	A	INSUL MTL	PTD	Y	1	INSUL MTL	PTD	N	3/A-602	4/A-602	5/A-602	1	---	Y	---
102	STORAGE TO RESTROOM	3'-0" x 7'-0"	1 3/4"	B	HM	PTD	N	1	HM	PTD	N	1/A-602	2/A-602	---	2	---	N	---
102A	RESTROOM TO STALL	2'-8" x 7'-0"	1 3/4"	B	HM	PTD	N	1	HM	PTD	Y	1/A-602	2/A-602	---	3	---	N	1
102B	RESTROOM TO STALL	2'-8" x 7'-0"	1 3/4"	B	HM	PTD	N	1	HM	PTD	Y	1/A-602	2/A-602	---	3	---	N	1
102C	RESTROOM TO STALL	2'-8" x 7'-0"	1 3/4"	B	HM	PTD	N	1	HM	PTD	Y	1/A-602	2/A-602	---	3	---	N	1
102D	RESTROOM TO STALL	2'-8" x 7'-0"	1 3/4"	B	HM	PTD	N	1	HM	PTD	Y	1/A-602	2/A-602	---	3	---	N	1
102E	RESTROOM TO CLOSET	1'-8" x 7'-0"	1 3/4"	B	HM	PTD	N	1	HM	PTD	Y	1/A-602	2/A-602	---	4	---	N	1

**NOTES:**

- SEE DRAWINGS A-001 FOR GENERAL NOTES, ABBREVIATIONS AND LEGENDS.
- SEE MEP, FIRE PROTECTION/FIRE ALARM AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.

**DOOR SCHEDULE NOTES:**

- 3/4" UNDERCUT.

**DOOR HARDWARE SET #1:**

(1) CARD READER PROVIDED BY MTA SECURITY CONTRACTOR

(1) ENTRY FUNCTION ELECTRONIC ENTRY MORTISE LOCKSET W/KEY OVERRIDE (COORDINATE W/ELECTRICAL FOR POWER)

(1) CLOSER

(3) HINGES

(1) CYLINDER (COORDINATE TO MATCH EXISTING KEYING)

(1) WEATHERSTRIPPING

(1) KICKPLATE

(1) THRESHOLD

**DOOR HARDWARE SET #2:**

(1) PASSAGE FUNCTION LOCKSET

(1) CLOSER

(3) HINGES

(1) KICKPLATE

**DOOR HARDWARE SET #3:**

(1) PRIVACY FUNCTION LOCKSET

(1) OCCUPANCY INDICATOR

(1) CLOSER

(3) HINGES

(1) KICKPLATE

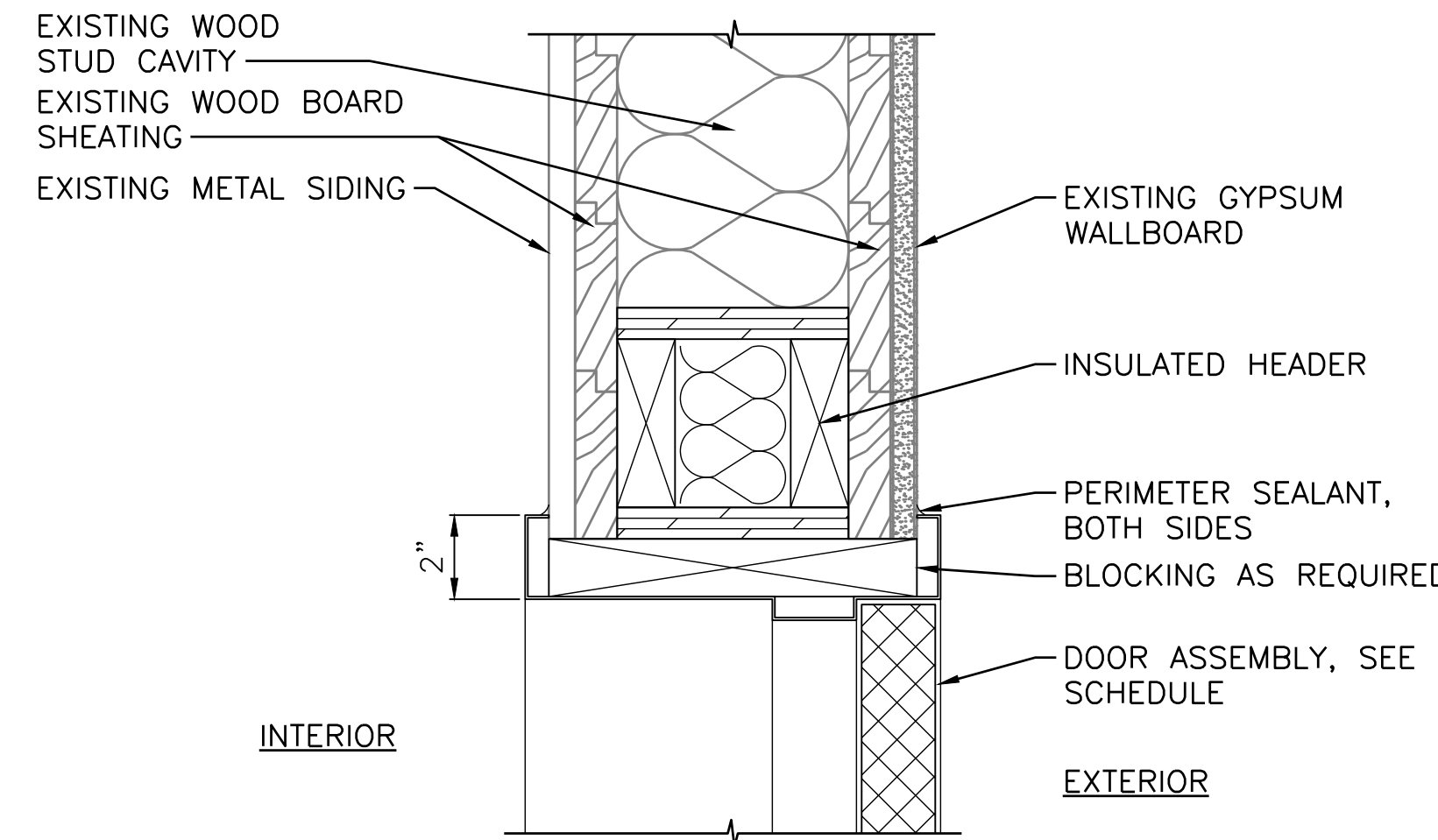
**DOOR HARDWARE SET #4:**

(1) STORAGE FUNCTION LOCKSET

(1) CLOSER

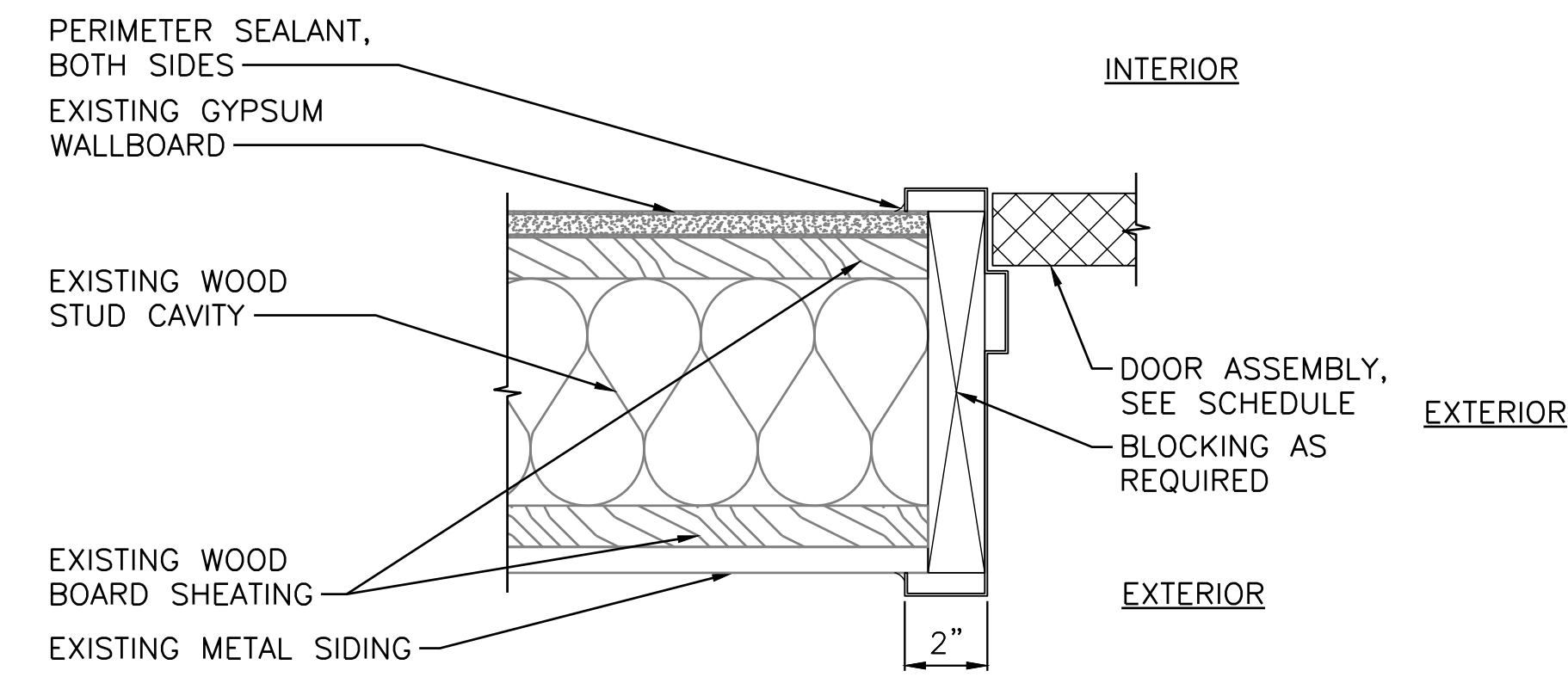
(3) HINGES

(1) KICKPLATE



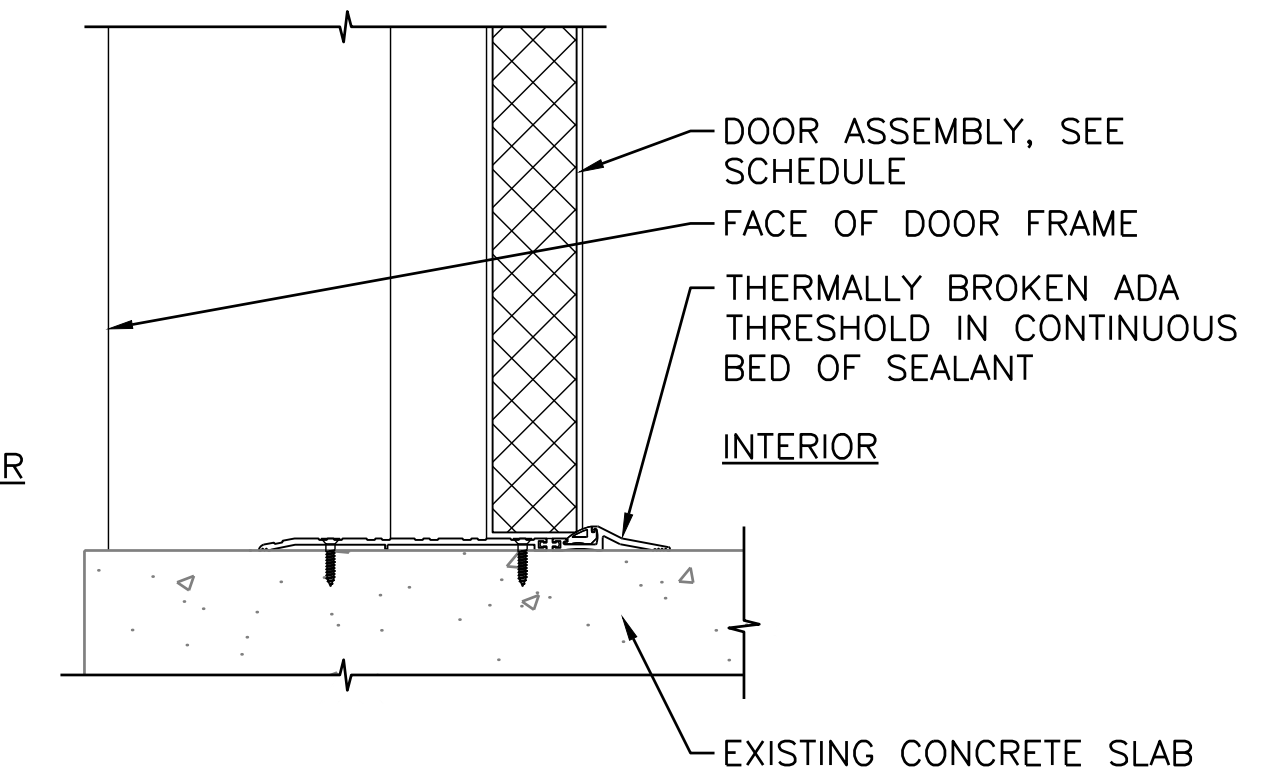
**DOOR HEAD DETAIL @ EXISTING EXTERIOR WALL**

3  
A-602 SCALE: 3" = 1'-0"



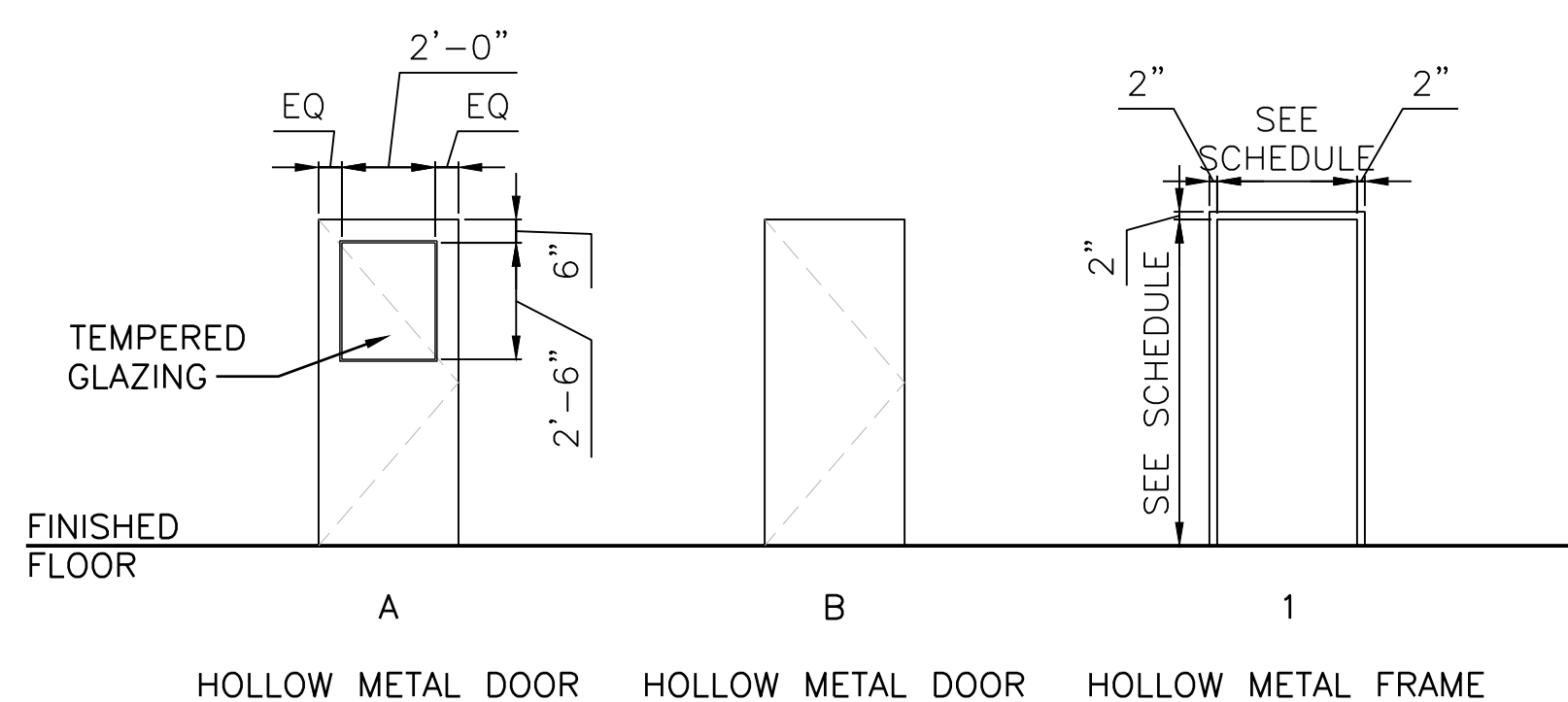
**DOOR JAMB DETAIL @ EXISTING EXTERIOR WALL**

4  
A-602 SCALE: 3" = 1'-0"



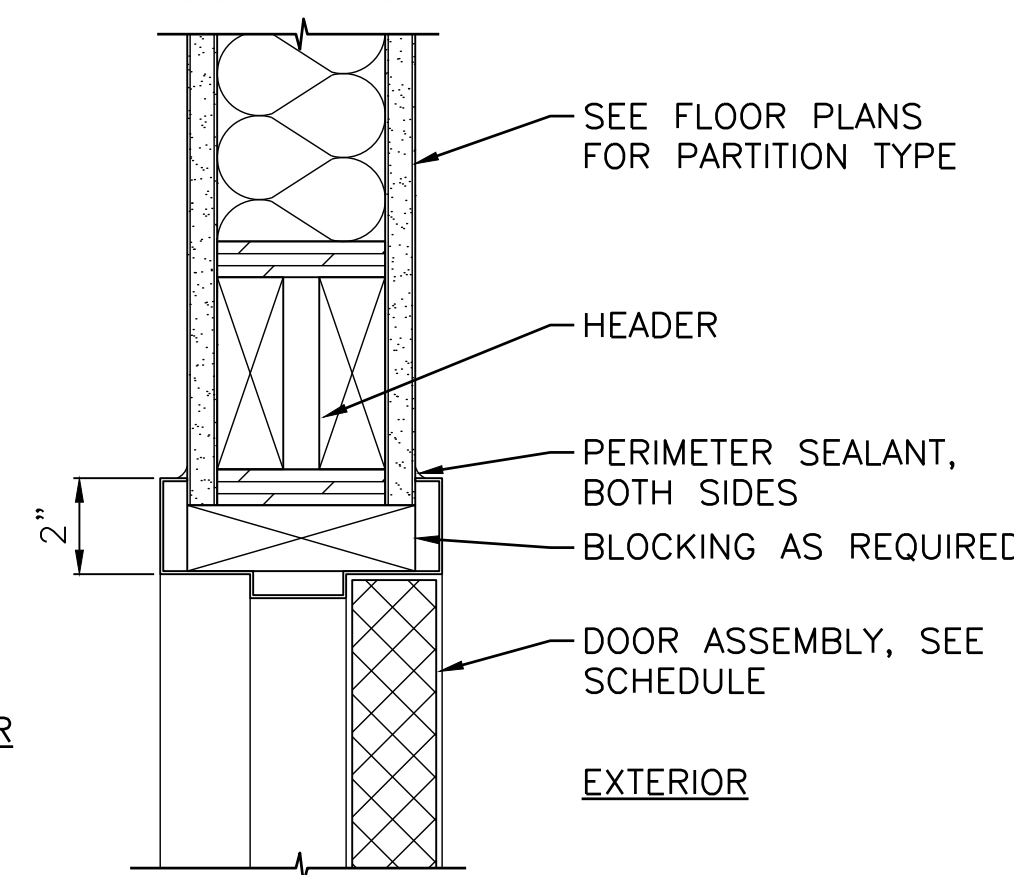
**DOOR SILL DETAIL @ EXISTING EXTERIOR WALL**

5  
A-602 SCALE: 3" = 1'-0"



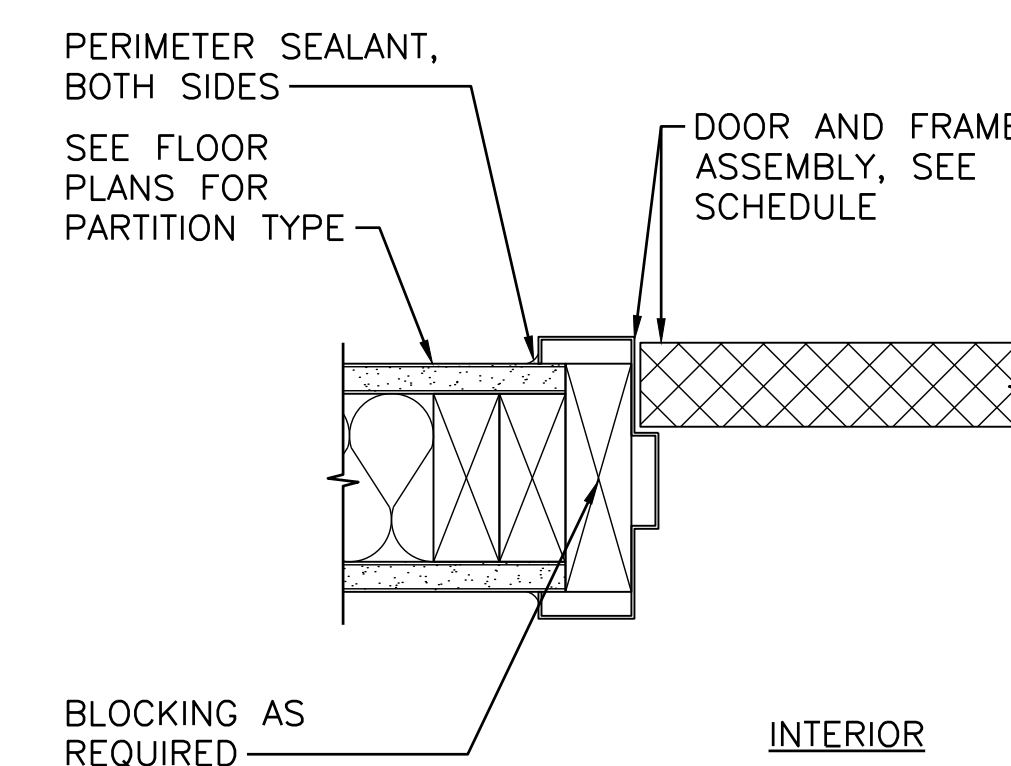
**DOOR AND FRAME ELEVATIONS**

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



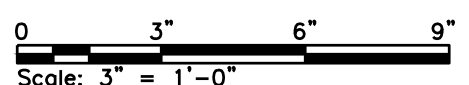
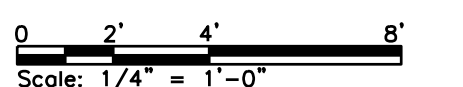
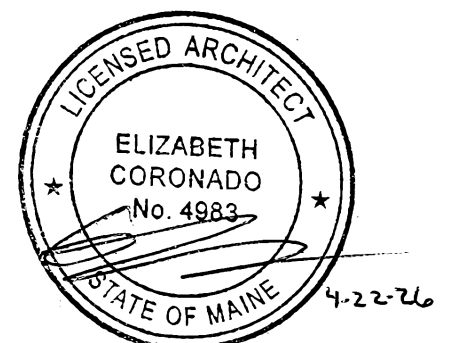
**DOOR HEAD DETAIL @ INTERIOR PARTITION**

1  
A-602 SCALE: 3" = 1'-0"



**DOOR JAMB DETAIL @ INTERIOR PARTITION**

2  
A-602 SCALE: 3" = 1'-0"



Scale: AS NOTED

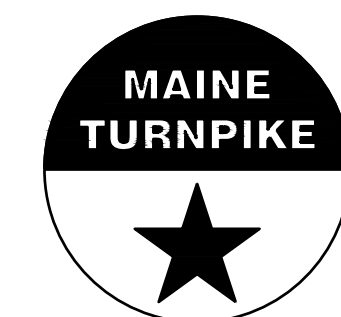
Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
Designed	SRP	04/17/2026	Checked	EAC	04/17/2026
Drawn	JDR	04/17/2026	In Charge of	MJK	04/17/2026



47A York St  
Portland, ME  
04101  
207.553.7753



**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**DOOR SCHEDULE, ELEVATIONS AND DETAILS**

SHEET NUMBER: A-602

31 OF 62

CONTRACT: 2026.08

## FIRE PROTECTION GENERAL NOTES

- THE SCOPE OF WORK FOR THE PROJECT INCLUDES DESIGNING AND PROVIDING NEW WET PIPE AUTOMATIC SUPPRESSION SYSTEMS THROUGHOUT THE EXISTING 8 BAY NORTH, 8 BAY SOUTH, AND 10 BAY GARAGES, AND PROVIDING DRY PIPE AUTOMATIC SPRINKLER SYSTEMS THROUGHOUT THE ATTIC OF THE EXISTING 8 BAY NORTH, 8 BAY SOUTH, AND 10 BAY GARAGES. PROVIDE COMPLETE SPRINKLER SYSTEMS, INCLUDING SYSTEM PIPING, VALVES, SPRINKLERS, HANGERS, TRIM, AND APPURTENANCES, COMPLIANT WITH APPLICABLE CODES AND STANDARDS. IN THE EXISTING OFFICE/ MAINTENANCE BUILDING AND PROVIDE A SUPERVISED BACKFLOW PREVENTER UPSTREAM OF THE EXISTING SPRINKLER SYSTEM RISER.
- REFER TO OTHER PROJECT DRAWINGS FOR COORDINATION PURPOSES. COORDINATE THE SPRINKLER SYSTEM INSTALLATION WITH OTHER DISCIPLINES. AVOID INTERFERENCES WITH STRUCTURAL FRAMING, DUCTWORK, PIPING, CONDUIT, AND LIGHTING FIXTURES.
- THE FACILITY IS SEISMIC DESIGN CATEGORY B, NO SEISMIC PROTECTION REQUIRED IAW NFPA 13.
- FIRESTOPPING MUST BE PROVIDED. LISTED AND LABELED SYSTEMS FOR PENETRATIONS OF FIRE RATED AND FIRE/SMOKE RATED ASSEMBLIES. COORDINATE WITH TRADES FOR SUPPLEMENTAL HANGERS, SUPPORTS, ACCESSORIES, OR CLEARANCES NECESSARY TO INSTALL FIRE STOPPING SYSTEMS.
- ABOVE GROUND PIPING COMPONENTS FOR AUTOMATIC SPRINKLER SYSTEM MUST BE LISTED FOR FIRE PROTECTION USE AND MUST FULLY COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDED PRACTICES, THE STANDARDS LISTING IN APPLICABLE CODES AND STANDARDS, AND THE REQUIREMENTS AND RECOMMENDED PRACTICES OF NFPA 13.
- COMPLY WITH CONSTRUCTION SAFETY REQUIREMENTS OF IBC, NFPA 1, NFPA 241 FOR SYSTEM OUTAGES. PROVIDE A FIRE WATCH OR OTHER MITIGATION MEASURES FOR SYSTEM IMPAIRMENTS AS REQUIRED BY NFPA 25, SECTION 15.5, AND AS APPROVED BY OWNERS REPRESENTATIVE. SUBMIT OUTAGE REQUESTS A MINIMUM OF 7 DAYS PRIOR TO OUTAGE.
- PERFORM SYSTEM TEST AND CERTIFY TEST CONTAINING THE INFORMATION REQUIRED BY NFPA 13, CHAPTER 27 AND 28 AND NFPA 25 ANNEX B FOR COMPLETE DOCUMENTATION INCLUDING RECORD OF COMPLETION AND RECORD OF INSPECTION AND TESTING FORMS.
- PROVIDE SPRINKLERS BELOW OBSTRUCTIONS EXCEEDING 4 FEET IN WIDTH AS REQUIRED BY NFPA 13, 8.5.5.3.
- ALL SPRINKLER PIPING MUST BE PAINTED TO MATCH ADJACENT FINISHES. PAINT SHALL BE CORROSION RESISTANT.
- WHERE SPRINKLERS MUST BE INSTALLED IN PROXIMITY TO HEAT SOURCES, PROVIDE TEMPERATURE RATING AND SPACING IAW NFPA 13, SECTION 9.4.2.5. COORDINATE SPRINKLER INSTALLATION WITH LOCATION AND TEMPERATURE RATING OF UNIT HEATERS.

## APPLICABLE CODES AND STANDARDS

- MUBEC (2025): MAINE UNIFORM BUILDING AND ENERGY CODE

### INTERNATIONAL CODE COUNCIL CODES:

- IBC (2021, AS AMENDED): INTERNATIONAL BUILDING CODE
- IEBC (2021, AS AMENDED): INTERNATIONAL EXISTING BUILDING CODE

### NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS:

- NFPA 1 (2018): FIRE CODE
- NFPA 4 (2024): STANDARD FOR INTEGRATED FIRE PROTECTION AND LIFE SAFETY SYSTEM TESTING
- NFPA 13 (2016): STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
- NFPA 22 (2013): STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION
- NFPA 24 (2013): STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
- NFPA 25 (2014): STANDARDS FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS
- NFPA 70 (2023): NATIONAL ELECTRICAL CODE
- NFPA 72 (2019): NATIONAL FIRE ALARM AND SIGNALING CODE
- NFPA 101 (2018): LIFE SAFETY CODE
- NFPA 170 (2024): STANDARD FOR FIRE SAFETY AND EMERGENCY SYMBOLS
- NFPA 241 (2019): STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS
- NFPA 291 (2025): RECOMMENDED PRACTICE FOR WATER FLOW TESTING AND MARKING OF HYDRANTS

## HYDRANT FLOW TEST

DATE OF TEST: OCTOBER 1, 2025  
 PERFORMED BY: COLBY COMPANY ENGINEERING  
 WITNESSED BY: MAINE TURNPIKE AUTHORITY  
 PRESSURE HYDRANT: HYD 1-88 (SOUTH OF FLETCHER STREET)  
 STATIC: 60  
 RESIDUAL: 34  
 FLOW HYDRANT: HYD 1-178 (FLETCHER ST)  
 TEST FLOW: 1,303 GPM  
 ADJUSTED FLOW AT 20 PSI: 3,236 GPM  
 FLOW HYDRANT: HYD 1-87.2 (FLETCHER ST)  
 TEST FLOW: 1,407 GPM  
 CALCULATED FLOW AT 20 PSI: 3,420 FPM

PRIOR TO THE START OF THE TEST, THE KENNEBUNK WATER TANK WATER LEVEL WAS AT 99 FT AND THE WEST KENNEBUNK WATER TANK WATER LEVEL WAS AT 108 FT.

FOR REFERENCE ONLY. CONTRACTOR MUST PERFORM AN NFPA 291 HYDRANT FLOW TEST NO MORE THAN 12 MONTH PRIOR TO SYSTEM HYDRAULIC CALCULATIONS AND SHOP DRAWING SUBMITTAL.

## LINE TYPES:

- EXISTING TO REMAIN
- NEW
- UNDERGROUND FIRE WATER ENTRANCE

## FIRE PROTECTION LEGEND

- NEW RECESSED PENDENT SPRINKLER HEAD
- NEW HORIZONTAL SIDEWALL SPRINKLER HEAD
- NEW UPRIGHT SPRINKLER HEAD
- CHECK VALVE
- BACKFLOW PREVENTER WITH BUTTERFLY CONTROL VALVES
- WET AUTOMATIC FIRE SUPPRESSION SYSTEM
- DRY AUTOMATIC FIRE SUPPRESSION SYSTEM
- WALL MOUNT POST INDICATING VALVE
- WF WATERFLOW SWITCH
- VS VALVE SUPERVISORY SWITCH
- A AIR COMPRESSOR, WITH VAPOR CORROSION INHIBITOR SYSTEM
- PS PRESSURE SWITCH
- SS SURGE SUPPRESSOR
- FACU FIRE ALARM CONTROL UNIT
- FATC FIRE ALARM TERMINAL CABINET

## WET NFPA 13 DESIGN CRITERIA

- LIGHT HAZARD: 0.10 GPM SF OVER 1,500  
HOSE STREAM ALLOWANCE 100 GPM FOR 30 MINUTES  
MINIMUM K-FACTOR 5.6
- ORDINARY HAZARD GROUP 2: 0.20 GPM SF OVER 1,950 SF QUICK RESPONSE REDUCTION ALLOWED WHERE SPRINKLERS ARE LISTED FOR STORAGE APPLICATION IAW NFPA 13. HOSE STREAM ALLOWANCE 250 GPM FOR 60 MINUTES. MINIMUM K8.0. SLOPED CEILINGS REQUIRE A 30% INCREASE TO DEIGN AREA OF 2535 SF IN ACCORDANCE WITH NFPA 13 SECTION 19.2.3.2.4.

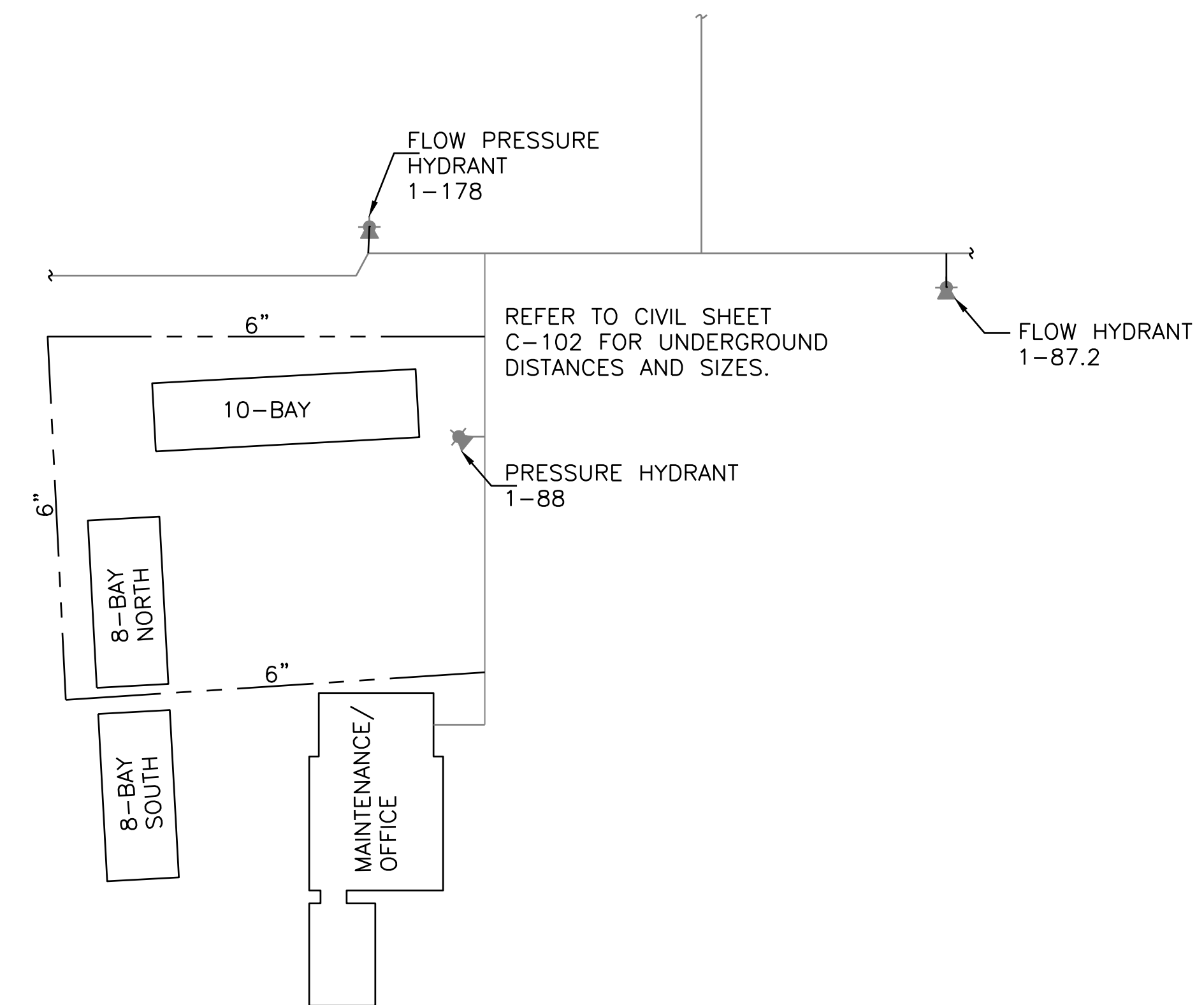
ATTIC ABOVE NOT SHOWN ON PLAN

## DRY NFPA 13 DESIGN CRITERIA

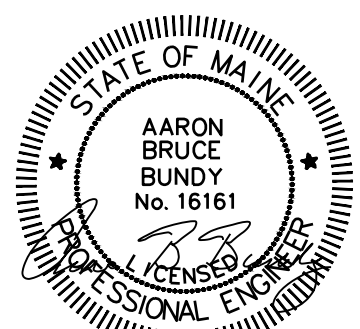
- LIGHT HAZARD CLASSIFICATION: 0.10 GPM/SF OVER 1,950 SF. HOSE STREAM ALLOWANCE: 100 GPM FOR 30 MINUTES. SLOPED CEILINGS REQUIRE A 30% INCREASE TO DEIGN AREA IN ACCORDANCE WITH NFPA 13 SECTION 19.2.3.2.4.

## TYPICAL ABBREVIATIONS

- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AHJ AUTHORITY HAVING JURISDICTION
- AHU AIR HANDLER UNIT
- BFG BELOW FINISHED GRADE
- BLDG BUILDING
- DACT DIGITAL ALARM COMMUNICATOR TRANSMITTER
- EXIST EXISTING
- FAA FIRE ALARM ANNUNCIATOR
- FACP FIRE ALARM CONTROL PANEL
- FE FIRE EXTINGUISHER
- FSD FIRE SMOKE DAMPER
- GPM GALLONS PER MINUTE
- IAW IN ACCORDANCE WITH
- MFR MANUFACTURER
- NEC NATIONAL ELECTRICAL CODE
- NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
- NIC NOT IN CONTRACT
- NTS NOT TO SCALE
- SD SMOKE DAMPER
- SF SQUARE FEET
- WP WEATHER PROOF



1 SITE PLAN  
 FP001 SCALE: NTS



04/22/26

Scale: AS NOTED				Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753					47A York St Portland, ME 04101 207.553.7753		<b>THE GOLD STAR                  MEMORIAL HIGHWAY</b>	KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION MAINE TURNPIKE AUTHORITY FIRE PROTECTION GENERAL NOTES, LEGENDS AND ABBREVIATIONS			
No.	Revision	By	Date	CONSULTANT PROJECT MANAGER: MIKE KELLEY								SHEET NUMBER: FP001 CONTRACT: 2026.08 32 OF 62			
				By	Date	By	Date								
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26	Designed	ABB	Checked	SMR								
MTA PROJECT MANAGER: JACQUELINE HANSEN															

**KEYED NOTES:**

- 1 PROVIDE EXTERIOR WALL MOUNTED SUPERVISED POST-INDICATOR VALVE IAW NFPA 24. PROVIDE LOCK COORDINATED WITH INSTALLATION STANDARDS. SEAL WALL PENETRATION (SEE DETAILS 1 & 2 SHEET A-501).
- 2 PROVIDE HORIZONTAL SUPERVISED DOUBLE CHECK VALVE ASSEMBLY. PROVIDE CLEARANCE IAW MANUFACTURER'S RECOMMENDATIONS AND SO THAT THE BOTTOM OF THE ASSEMBLY IS NO GREATER THAN 24-INCHES AFF. PROVIDE NOT LESS THAN 36-INCHES OF CLEARANCE FROM THE FRONT OF THE BACKFLOW PREVENTER AND NOT LESS THAN 6-INCHES OF CLEARANCE FROM THE BACK WALL OR OTHER OBSTRUCTIONS.
- 3 PROVIDE AUTOMATIC DRY PIPE SPRINKLER SYSTEM COVERAGE THROUGHOUT EXISTING ATTIC SPACE USING LISTED BACK TO BACK ATTIC SPRINKLERS. PROVIDE COMPLETE RISER IAW NFPA 13. PROVIDE AIR COMPRESSOR IN ACCORDANCE WITH NFPA 13. COORDINATE ELECTRICAL CIRCUIT WITH ELECTRICAL.
- 4 PROVIDE AUTOMATIC WET PIPE SPRINKLER SYSTEM COVERAGE THROUGHOUT EXISTING 8-BAY NORTH BUILDING. PROVIDE COMPLETE RISER WITH INSPECTORS TEST CONNECTION PIPED DOWNSTREAM OF WATERFLOW SWITCH IAW NFPA 13 WITH 8.0K ORIFICE AND SIGHT GLASS. PROVIDE CLEARANCE IAW MANUFACTURER'S RECOMMENDATION.
- 5 PROVIDE AN EXTERIOR ELECTRIC BELL FOR NOTIFICATION OF SPRINKLER PRESSURE AND WATERFLOW SWITCH ACTIVATION IAW NFPA 13.
- 6 PROVIDE PROTECTION UNDERNEATH OVERHEAD DOORS IAW NFPA 13. SEE DETAIL 3 SHEET FP301.

- 7 RISER UP TO UNHEATED COMBUSTIBLE ATTIC SPACE.
- 8 SPRINKLER SUPPRESSION SYSTEM WATER FLOW, WATER PRESSURE, VALVE SUPERVISORY, AND LOW AIR ALARM SWITCHES AS REQUIRED BY THE APPLICABLE CODES AND STANDARDS, PROVIDED BY SPRINKLER SYSTEM INSTALLER. PROVIDE AIM MODULE FOR CONNECTION TO SPRINKLER MONITORING PANEL AND POINT ID FOR EACH DEVICE. SEE FA101 FOR DEVICE LAYOUT.
- 9 FIRE DEPARTMENT CONNECTION AND MAIN DRAIN LOCATION. DRAIN NOT TO BE GREATER THAN 24 INCHES ABOVE GRADE. PROVIDE SPLASH PAD FOR DRAIN.
- 10 PROVIDE AIR COMPRESSOR AND VAPOR CORROSION INHIBITOR (VCI) SYSTEM WITHIN ALL DRY PIPE SPRINKLER PIPING IN ACCORDANCE WITH NFPA 13 AND MANUFACTURER'S REQUIREMENTS.
- 11 DRY SYSTEM INSPECTORS TEST MUST BE LOCATED ON MOST REMOTE BRANCHLINE IAW NFPA 13. SEE SHEET FP501 FOR DETAIL
- 12 INSTALL AUTOMATIC AIR VENT AT SYSTEM HIGH POINT. HARD PIPE DRAIN TO MAIN DRAIN.
- 13 SPRINKLERS ABOVE GARAGE DOORS ARE TO BE FED FROM DRY SYSTEM IN ABOVE ATTIC SPACE. SPRINKLERS MUST BE CONCEALED TYPE WITH FLAT ESCUTCHEON. SPRINKLERS MUST BE PLACED PROPER DISTANCE FROM EXISTING HEATERS OR WILL REQUIRE HIGHER TEMPERATURE.

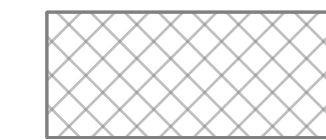
**NOTES:**

- 1. SEE SHEET FP001 FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS.
- 2. SPRINKLER OR OTHER HANGING LOADING IN 8-BAY MAY BE APPLIED WITH 12 INCHES OF TRUSS PANEL POINTS, NOT TO EXCEED 60 LBS PER HANGER, TYP.
- 3. SEE CIVIL DRAWINGS FOR MAIN ENTRANCE DETAILS.
- 4. PIPE ON DRY SYSTEM TO BE SLOPED IAW NFPA 13.

**WET NFPA 13 DESIGN CRITERIA**



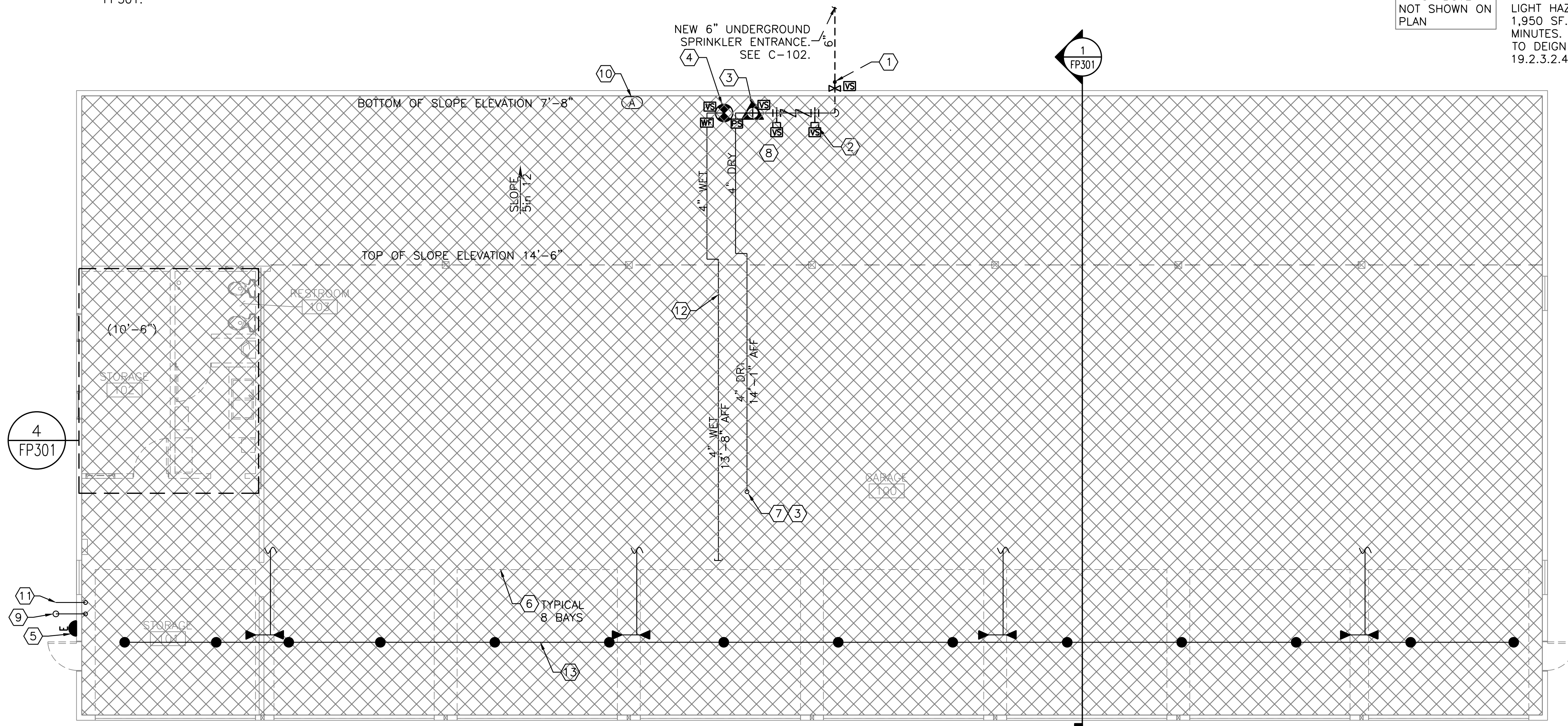
LIGHT HAZARD: 0.10 GPM SF OVER 1,500  
HOSE STREAM ALLOWANCE 100 GPM FOR 30 MINUTES  
MINIMUM K-FACTOR 5.6



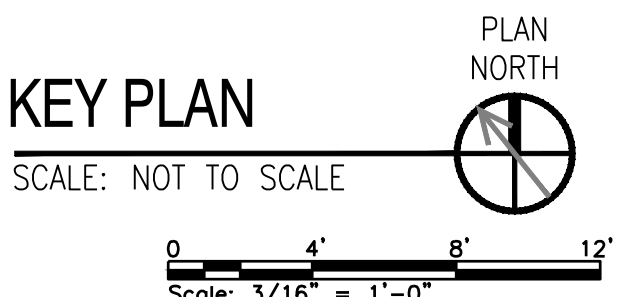
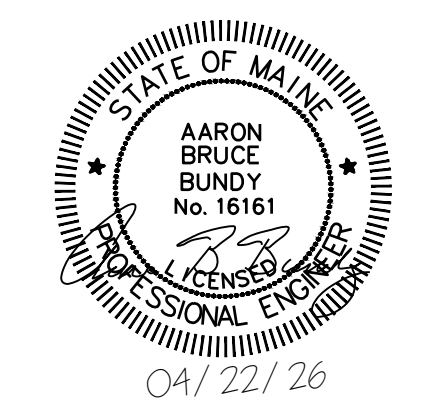
ORDINARY HAZARD GROUP 2: 0.20 GPM SF OVER 1,950 SF  
QUICK RESPONSE REDUCTION ALLOWED WHERE SPRINKLERS ARE LISTED FOR STORAGE APPLICATION IAW NFPA 13. HOSE STREAM ALLOWANCE 250 GPM FOR 60 MINUTES. MINIMUM K8.0.



DRY NFPA 13 DESIGN CRITERIA  
LIGHT HAZARD CLASSIFICATION: 0.10 GPM/SF OVER 1,950 SF. HOSE STREAM ALLOWANCE: 100 GPM FOR 30 MINUTES. SLOPED CEILINGS REQUIRE A 30% INCREASE TO DEIGN AREA IN ACCORDANCE WITH NFPA 13 SECTION 19.2.3.2.4.



**8 BAY NORTH GARAGE**  
SCALE: 3/16" = 1'-0"



Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

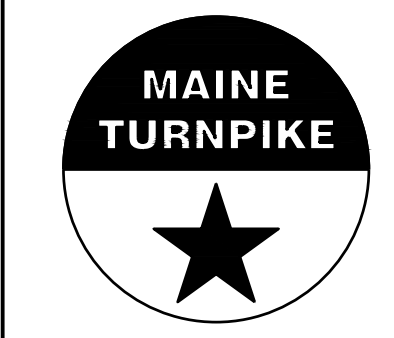
Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date
Designed	ABB		SMR	
Drawn	SBC		In Charge of	MJK



47A York St  
Portland, ME  
04101  
207.553.7753



**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**8 BAY NORTH GARAGE**

SHEET NUMBER: FP101  
CONTRACT: 2026.08  
33 OF 62

**KEYED NOTES:**

- 1 PROVIDE EXTERIOR WALL MOUNTED SUPERVISED POST-INDICATOR VALVE IAW NFPA 24. PROVIDE LOCK COORDINATED WITH INSTALLATION STANDARDS. SEAL WALL PENETRATION (SEE DETAILS 1 & 2 SHEET A-501).
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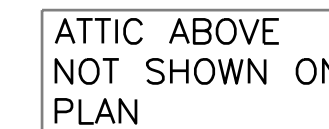
**NOTES:**

- 1. SEE SHEET FP001 FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS.
- 2. SPRINKLER OR OTHER HANGING LOADING IN 8-BAY MAY BE APPLIED WITH 12 INCHES OF TRUSS PANEL POINTS, NOT TO EXCEED 60 LBS PER HANGER, TYP.
- 3. SEE CIVIL DRAWINGS FOR MAIN ENTRANCE DETAILS.
- 4. PIPING ON DRY SYSTEM TO BE SLOPED IAW NFPA 13.

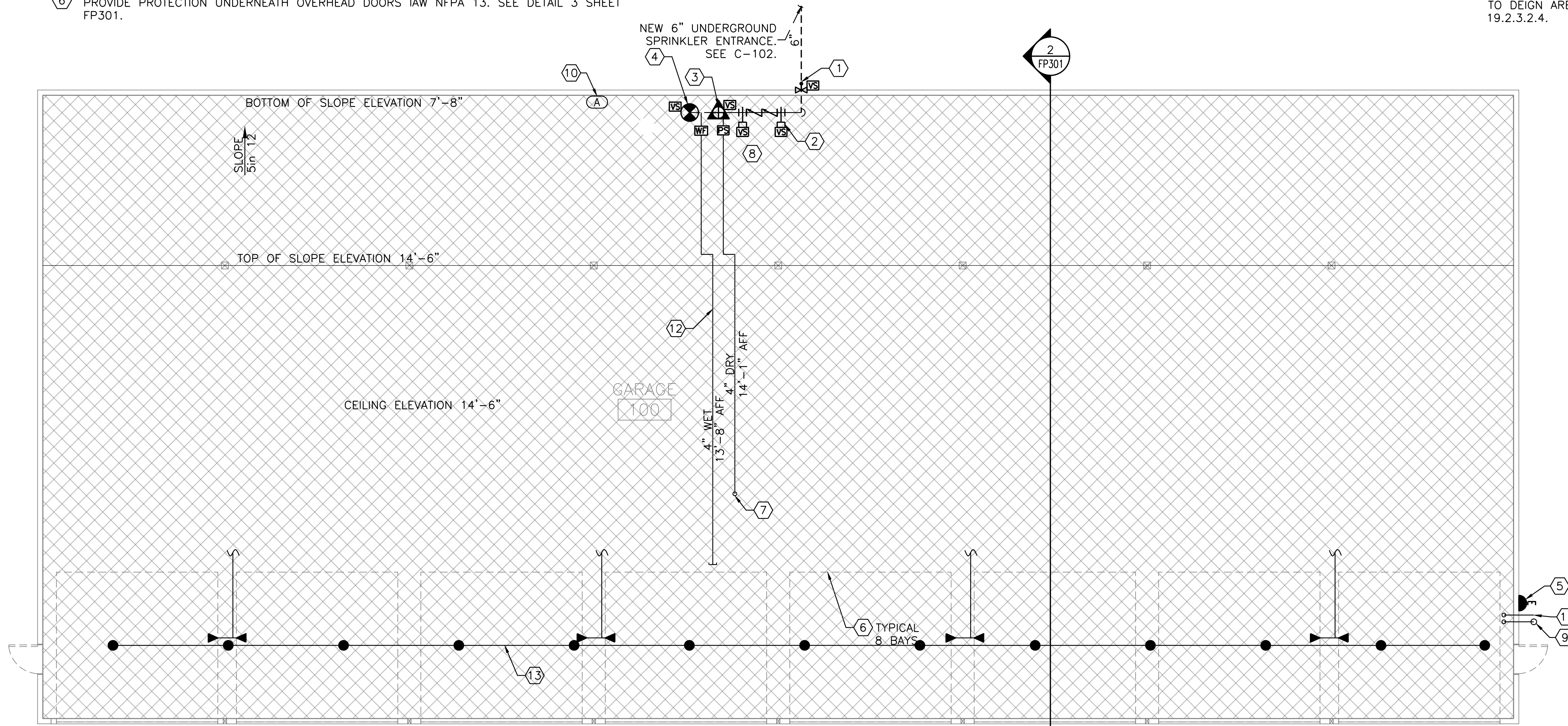
**WET NFPA 13 DESIGN CRITERIA**



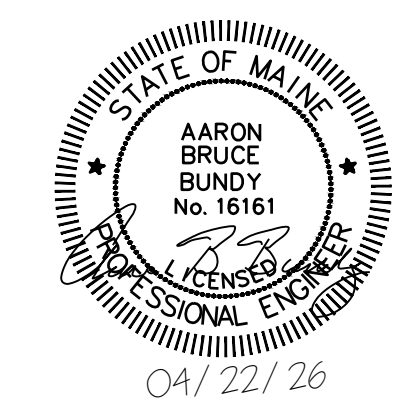
ORDINARY HAZARD GROUP 2: 0.20 GPM SF OVER 1,950 SF QUICK RESPONSE REDUCTION ALLOWED WHERE SPRINKLERS ARE LISTED FOR STORAGE APPLICATION IAW NFPA 13. HOSE STREAM ALLOWANCE 250 GPM FOR 60 MINUTES. MINIMUM K8.0.



DRY NFPA 13 DESIGN CRITERIA  
 LIGHT HAZARD CLASSIFICATION: 0.10 GPM/SF OVER 1,950 SF. HOSE STREAM ALLOWANCE: 100 GPM FOR 30 MINUTES. SLOPED CEILINGS REQUIRE A 30% INCREASE TO DEIGN AREA IN ACCORDANCE WITH NFPA 13 SECTION 19.2.3.2.4.



**8 BAY SOUTH GARAGE**  
 SCALE: 3/16" = 1'-0"



**KEY PLAN**  
 SCALE: NOT TO SCALE

PLAN NORTH

Scale: 3/16" = 1'-0"

Scale: AS NOTED

No.	Revision	By	Date
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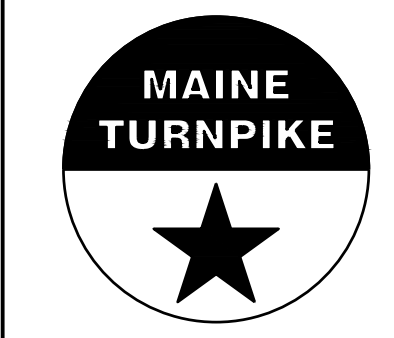
Designed by:  
 COLBY COMPANY, LLC  
 engineering & design  
 47A York Street, Portland, ME 04101  
 207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date
Designed	ABB		Checked	SMR
Drawn	SBC		In Charge of	MJK



47A York St  
 Portland, ME  
 04101  
 207.553.7753



**THE GOLD STAR  
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
 MAINE TURNPIKE AUTHORITY**

**8 BAY SOUTH GARAGE**

SHEET NUMBER: FP102  
 34 OF 62

CONTRACT: 2026.08

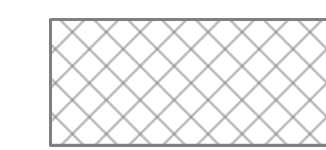
**NOTES:**

1. SEE SHEET FP001 FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS.
2. SPRINKLER OR OTHER HANGING LOADING IN 10-BAY MAY BE APPLIED WITHIN 12" OF TRUSS PANEL POINTS, NOT TO EXCEED 45 LBS PER HANGER, TYP.

**KEYED NOTES:**

- ① PROVIDE PROTECTION UNDER OVERHEAD DOORS IAW NFPA 13. SEE DETAIL 3 SHEET FP301
- ② PROVIDE AUTOMATIC DRY PIPE SPRINKLER SYSTEM COVERAGE THROUGHOUT EXISTING ATTIC SPACE USING APPROVED BACK TO BACK ATTIC SPRINKLERS PROVIDE COMPLETE RISER AND CLEARANCES IAW NFPA 13 REQUIREMENTS. PROVIDE AIR COMPRESSOR SUPPLYING VAPOR CORROSION INHIBITOR IN ACCORDANCE WITH NFPA 13. COORDINATE ELECTRICAL CIRCUIT WITH ELECTRICAL.
- ③ PROVIDE AUTOMATIC WET PIPE SPRINKLER SYSTEM COVERAGE THROUGHOUT EXISTING 10-BAY BUILDING. PROVIDE COMPLETE RISER WITH INSPECTORS TEST AND DRAIN AT RISER PIPED TO DRAIN CONNECTION PIPED DOWNSTREAM OF WATERFLOW SWITCH IAW NFPA 13 WITH 8.0K ORIFICE AND SIGHT GLASS. PROVIDE CLEARANCE IAW MANUFACTURER'S RECOMMENDATION.
- ④ SPRINKLERS ABOVE GARAGE DOORS ARE TO BE FED FROM DRY SYSTEM IN ABOVE ATTIC SPACE. SPRINKLERS MUST BE CONCEALED TYPE WITH FLAT ESCUTCHEON. SPRINKLERS MUST BE PLACED PROPER DISTANCE FROM EXISTING HEATERS OR WILL REQUIRE HIGHER TEMPERATURE.

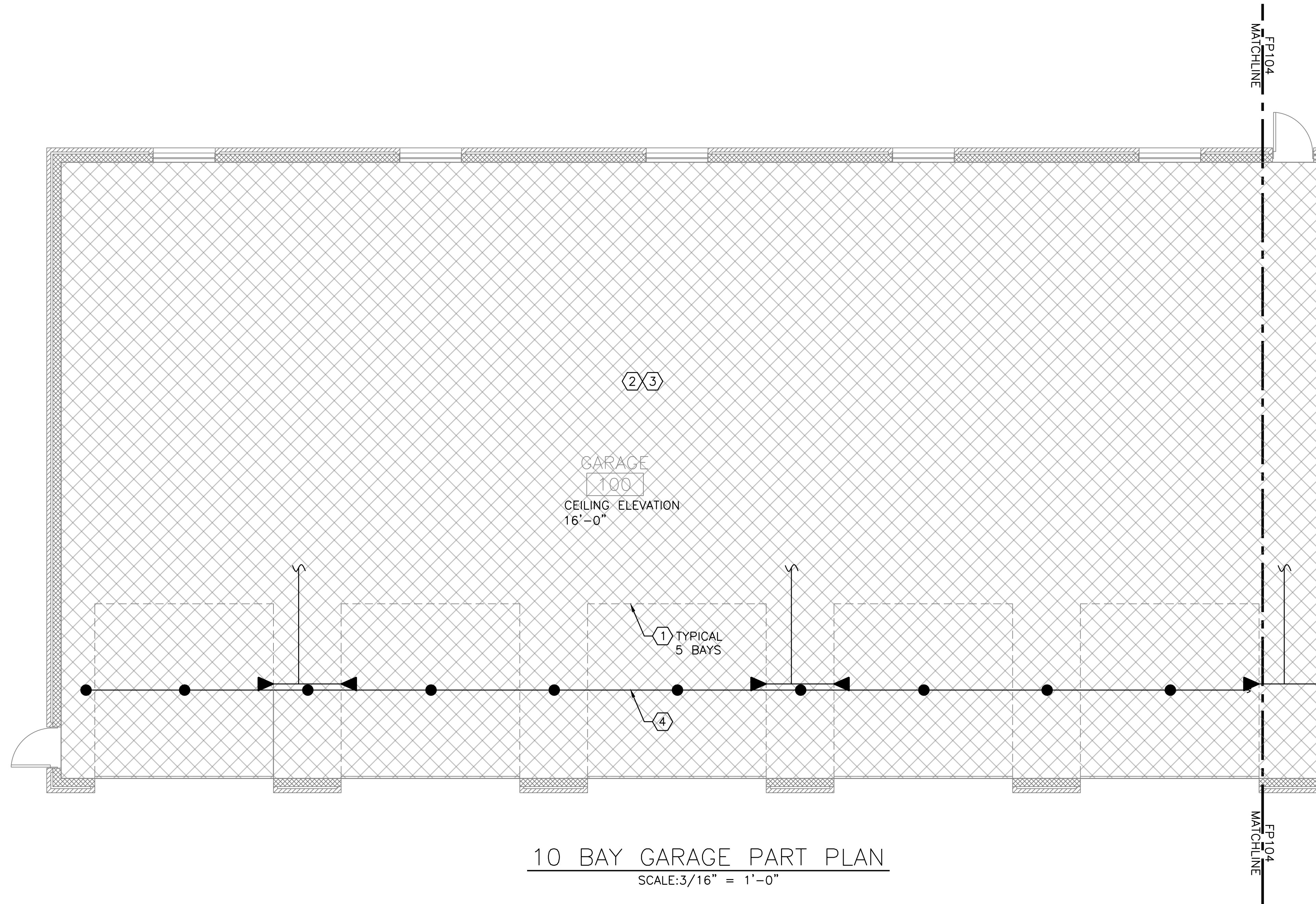
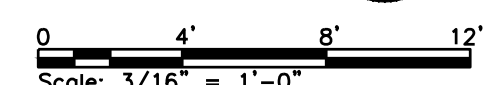
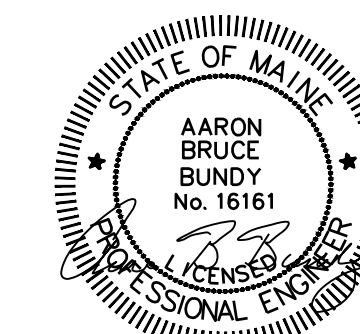
**WET NFPA 13 DESIGN CRITERIA**



ORDINARY HAZARD GROUP 2: 0.20 GPM/SF OVER 1,950 SF QUICK RESPONSE REDUCTION ALLOWED WHERE SPRINKLERS ARE LISTED FOR STORAGE APPLICATION IAW NFPA 13. HOSE STREAM ALLOWANCE 250 GPM FOR 60 MINUTES. MINIMUM K8.0.



DRY NFPA 13 DESIGN CRITERIA  
LIGHT HAZARD CLASSIFICATION: 0.10 GPM/SF OVER 1,950 SF. HOSE STREAM ALLOWANCE: 100 GPM FOR 30 MINUTES. SLOPED CEILINGS REQUIRE A 30% INCREASE TO DESIGN AREA IN ACCORDANCE WITH NFPA 13 SECTION 19.2.3.2.4.



**10 BAY GARAGE PART PLAN**  
SCALE: 3/16" = 1'-0"

Scale: AS NOTED

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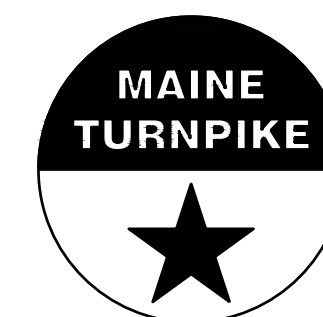
CONSULTANT PROJECT MANAGER: MIKE KELLEY

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

	By	Date	By	Date
Designed	ABB		Checked	SMR
Drawn	SBC		In Charge of	MJK



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Portland, ME  
04101  
207.553.7753



**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**  
**10 BAY GARAGE PART PLAN**

SHEET NUMBER: FP103

CONTRACT: 2026.08

35 OF 62

**KEYED NOTES:**

- ① PROVIDE EXTERIOR WALL MOUNTED SUPERVISED POST-INDICATOR VALVE IAW NFPA 24. PROVIDE LOCK COORDINATED WITH INSTALLATION STANDARDS. SEAL WALL PENETRATION (SEE DETAIL SHEET A-501)..
- ② PROVIDE HORIZONTAL SUPERVISED BACKFLOW PREVENTER. PROVIDE CLEARANCE IAW MANUFACTURER'S RECOMMENDATIONS AND SO THAT THE BOTTOM OF THE ASSEMBLY IS NO GREATER THAN 24-INCHES AFF. PROVIDE NOT LESS THAN 36-INCHES OF CLEARANCE FROM THE FRONT OF THE BACKFLOW PREVENTER AND NOT LESS THAN 6-INCHES OF CLEARANCE FROM THE BACK WALL OR OTHER OBSTRUCTIONS.
- ③ PROVIDE AUTOMATIC DRY PIPE SPRINKLER SYSTEM COVERAGE THROUGHOUT EXISTING ATTIC SPACE USING APPROVED BACK TO BACK ATTIC SPRINKLERS PROVIDE COMPLETE RISER IAW NFPA 13. PROVIDE CLEARANCE IAW MANUFACTURER'S RECOMMENDATIONS. SPRINKLER HEADS. PROVIDE AIR COMPRESSOR IN ACCORDANCE WITH NFPA 13. COORDINATE ELECTRICAL CIRCUIT WIHT ELECTRICAL.
- ④ PROVIDE AUTOMATIC WET PIPE SPRINKLER SYSTEM COVERAGE THROUGHOUT EXISTING 10-BAY BUILDING. PROVIDE COMPLETE RISER WITH INSPECTORS TEST CONNECTION PIPED DOWNSTREAM OF WATERFLOW SWITCH IAW NFPA 13 WITH 8.0K ORIFICE AND SIGHT GLASS. PROVIDE CLEARANCE IAW MANUFACTURER'S RECOMMENDATION.

- ⑤ PROVIDE AN EXTERIOR ELECTRIC BELL FOR NOTIFICATION OF SPRINKLER PRESSURE AND WATERFLOW SWITCH ACTIVATION IAW NFPA 13.
- ⑥ PROVIDE PROTECTION UNDERNEATH OVERHEAD DOORS IAW NFPA 13. SEE DETAIL 3 SHEET FP301
- ⑦ RISER UP TO ATTIC SPACE.
- ⑧ SPRINKLER SUPPRESSION SYSTEM WATER FLOW, WATER PRESSURE, VALVE SUPERVISORY, AND LOW AIR ALARM SWITCHES AS REQUIRED BY THE APPLICABLE CODES AND STANDARDS, PROVIDED BY SPRINKLER SYSTEM INSTALLER. PROVIDE AIM MODULE FOR CONNECTION TO SPRINKLER MONITORING PANEL AND POINT TO ID FOR EACH DEVICE.
- ⑨ FIRE DEPARTMENT CONNECTION AND MAIN DRAIN LOCATION. DRAIN NOT TO BE GREATER THAN 24 INCHES ABOVE GRADE. PROVIDE SPLASH PAD FOR DRAIN.
- ⑩ PROVIDE AIR COMPRESSOR AND A VAPOR CORROSION INHIBITOR (VCI) SYSTEM FOR ALL DRY PIPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 AND MANUFACTURER'S REQUIREMENTS.
- ⑪ DRY SYSTEM DRAIN INSPECTORS TEST MUST BE LOCATED ON MOST REMOTE BRANCHLINE IAW NFPA 13.
- ⑫ INSTALL AUTOMATIC AIR VENT AT SYSTEM HIGH POINT. HARD PIPE DRAIN TO SYSTEM MAIN DRAIN.
- ⑬ SPRINKLERS ABOVE GARAGE DOORS ARE TO BE FED FROM DRY SYSTEM IN ABOVE ATTIC SPACE. SPRINKLERS MUST BE CONCEALED TYPE WITH FLAT ESCUTCHEON. SPRINKLERS MUST BE PLACED PROPER DISTANCE FROM EXISTING HEATERS OR WILL REQUIRE HIGHER TEMPERATURE.

**NOTES:**

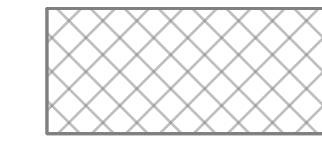
- 1. SEE SHEET FP001 FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS.
- 2. SPRINKLER OR OTHER HANGING LOADING IN 10-BAY MAY BE APPLIED WITHIN 12" OF TRUSS PANEL POINTS, NOT TO EXCEED 45 LBS PER HANGER, TYP.
- 3. SEE CIVIL DRAWINGS FOR MAIN ENTRANCE DETAILS.
- 4. PIPE ON DRY SYSTEM TO BE SLOPED IAW NFPA 13.

**WET NFPA 13 DESIGN CRITERIA**

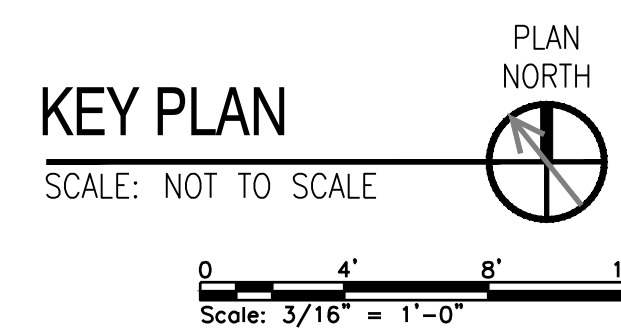
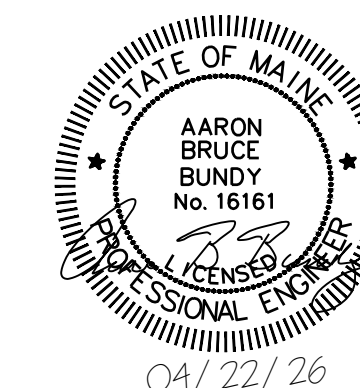
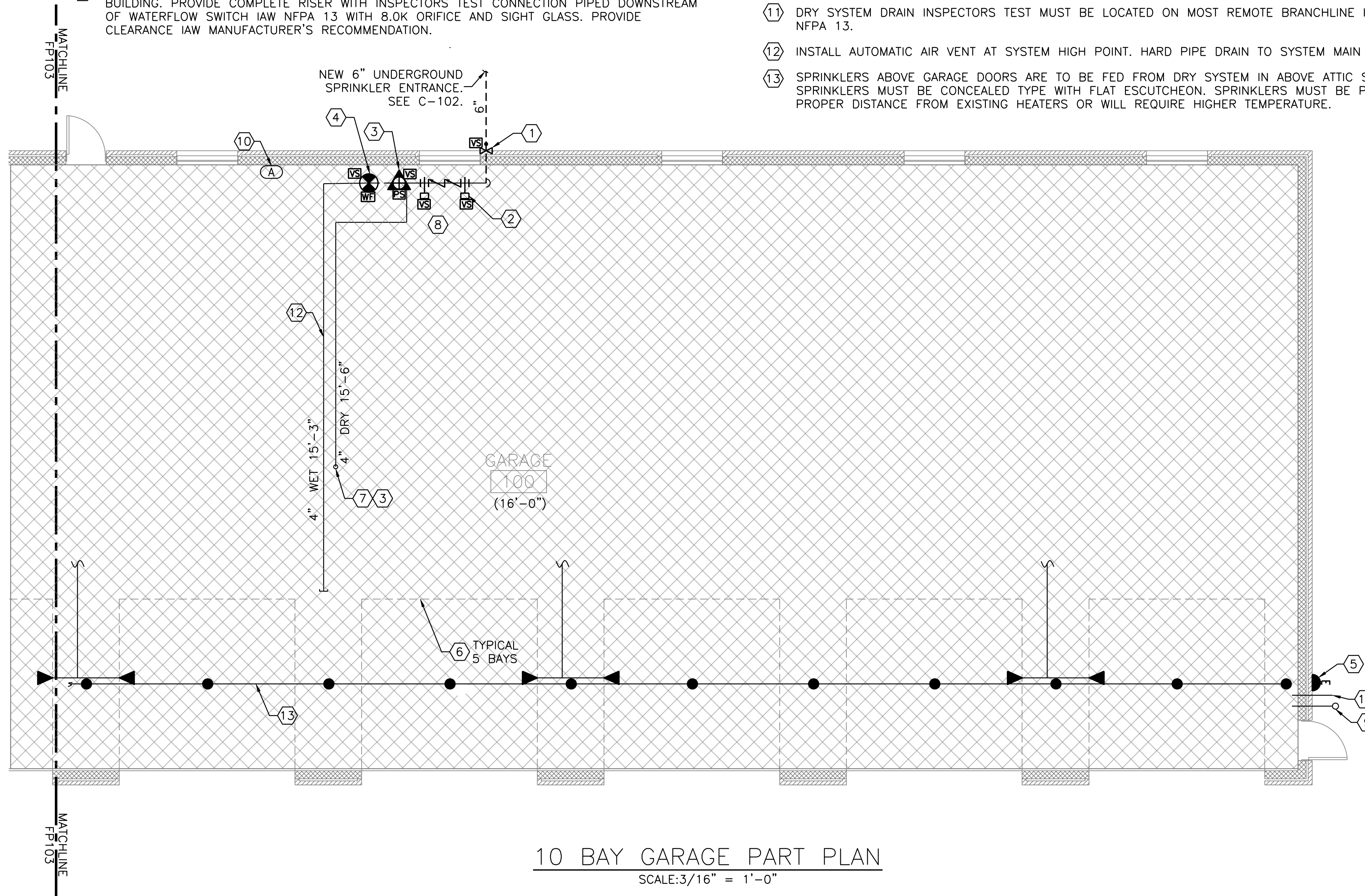
ORDINARY HAZARD GROUP 2: 0.20 GPM SF OVER 1,950 SF QUICK RESPONSE REDUCTION ALLOWED WHERE SPRINKLERS ARE LISTED FOR STORAGE APPLICATION IAW NFPA 13. HOSE STREAM ALLOWANCE 250 GPM FOR 60 MINUTES. MINIMUM K8.0.

**DRY NFPA 13 DESIGN CRITERIA**

LIGHT HAZARD CLASSIFICATION: 0.10 GPM/SF OVER 1,950 SF. HOSE STREAM ALLOWANCE: 100 GPM FOR 30 MINUTES. SLOPED CEILINGS REQUIRE A 30% INCREASE TO DEIGN AREA IN ACCORDANCE WITH NFPA 13 SECTION 19.2.3.2.4.



ATTIC ABOVE NOT SHOWN ON PLAN



Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

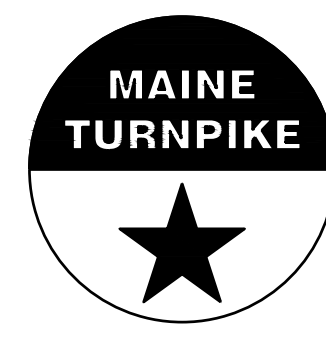
Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date
Designed	ABB		Checked	SMR
Drawn	SBC		In Charge of	MJK



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Portland, ME  
04101  
207.553.7753



**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**10 BAY GARAGE PART PLAN**

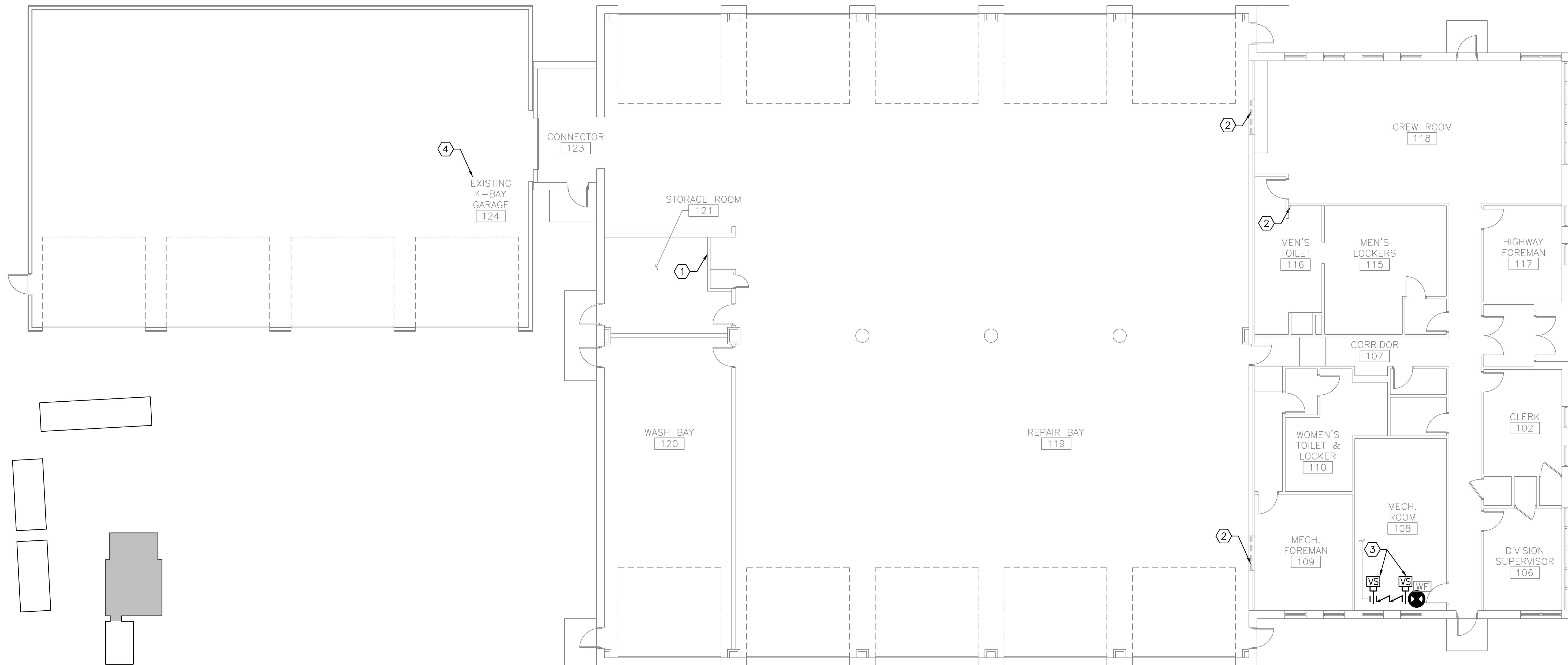
SHEET NUMBER: FP104  
CONTRACT: 2026.08  
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**NOTES:**

- SEE SHEET FP001 FOR GENERAL NOTES, LEGENDS, AND ABBREVIATIONS.
- EXISTING FIRE SUPPRESSION SYSTEM TO REMAIN THROUGHOUT EXISTING OFFICE/MAINTENANCE BUILDING UNLESS OTHERWISE NOTED.

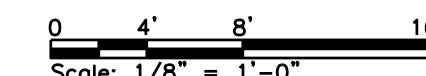
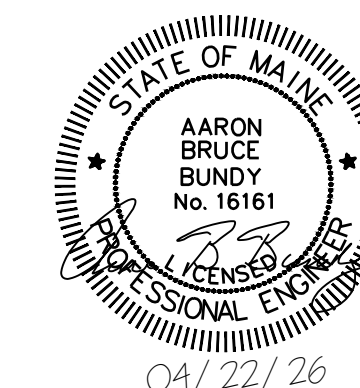
**KEYED NOTES:**

- BASED ON A REVIEW OF THE CURRENT FLAMMABLE AND COMBUSTIBLE LIQUID INVENTORY STORED IN STORAGE ROOM 121, IT HAS BEEN DETERMINED THAT THE QUANTITIES OF COMBUSTIBLE AND FLAMMABLE MATERIALS STORED ARE BELOW THE MAXIMUM ALLOWABLE QUANTITIES BY NFPA 30 AND NFPA 400. THEREFORE, FIRE-RATED SEPARATION IS NOT REQUIRED, AND NO ADDITIONAL WORK WILL BE REQUIRED AS PART OF THIS PROJECT SCOPE.
- DEMOLISH EXISTING WINDOW SPRINKLER ASSEMBLY AND SUPPLY PIPE BACK TO BRANCH LINE ABOVE AND CAP. AREA WILL BE REPLACED WITH CONCRETE MASONRY UNIT (CMU) INFILL.
- PROVIDE NEW SUPERVISED BACKFLOW PREVENTER ON EXISTING WET FIRE SUPPRESSION SYSTEM. PROVIDE CLEARANCE IAW MANUFACTURER'S RECOMMENDATIONS.
- BASED ON THE HYDRAULIC PLATE INSTALLED ON THE RISER, THE EXISTING SYSTEM IS DESIGNED TO A DENSITY OF 0.20 GPM/SQ FT OVER 1,950 SQ FT, IN ACCORDANCE WITH NFPA 13 REQUIREMENTS FOR ORDINARY HAZARD GROUP 2.



**EXISTING OFFICE/MAINTENANCE GARAGE**

SCALE: 1/8" = 1'-0"

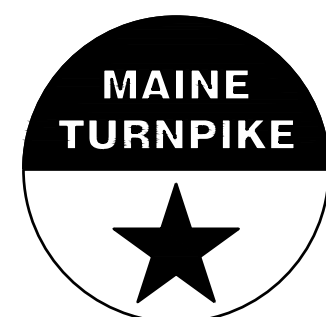


No.				Revision				By		Date	
0				ISSUE FOR CONSTRUCTION				MJK		04/22/26	

Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753					
CONSULTANT PROJECT MANAGER: MIKE KELLEY					
Designed		Checked		In Charge of	
By: ABB		By: SMR		By: MJK	
Date:		Date:		Date:	
SBC		SBC		MJK	



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**THE GOLD STAR  
MEMORIAL HIGHWAY**

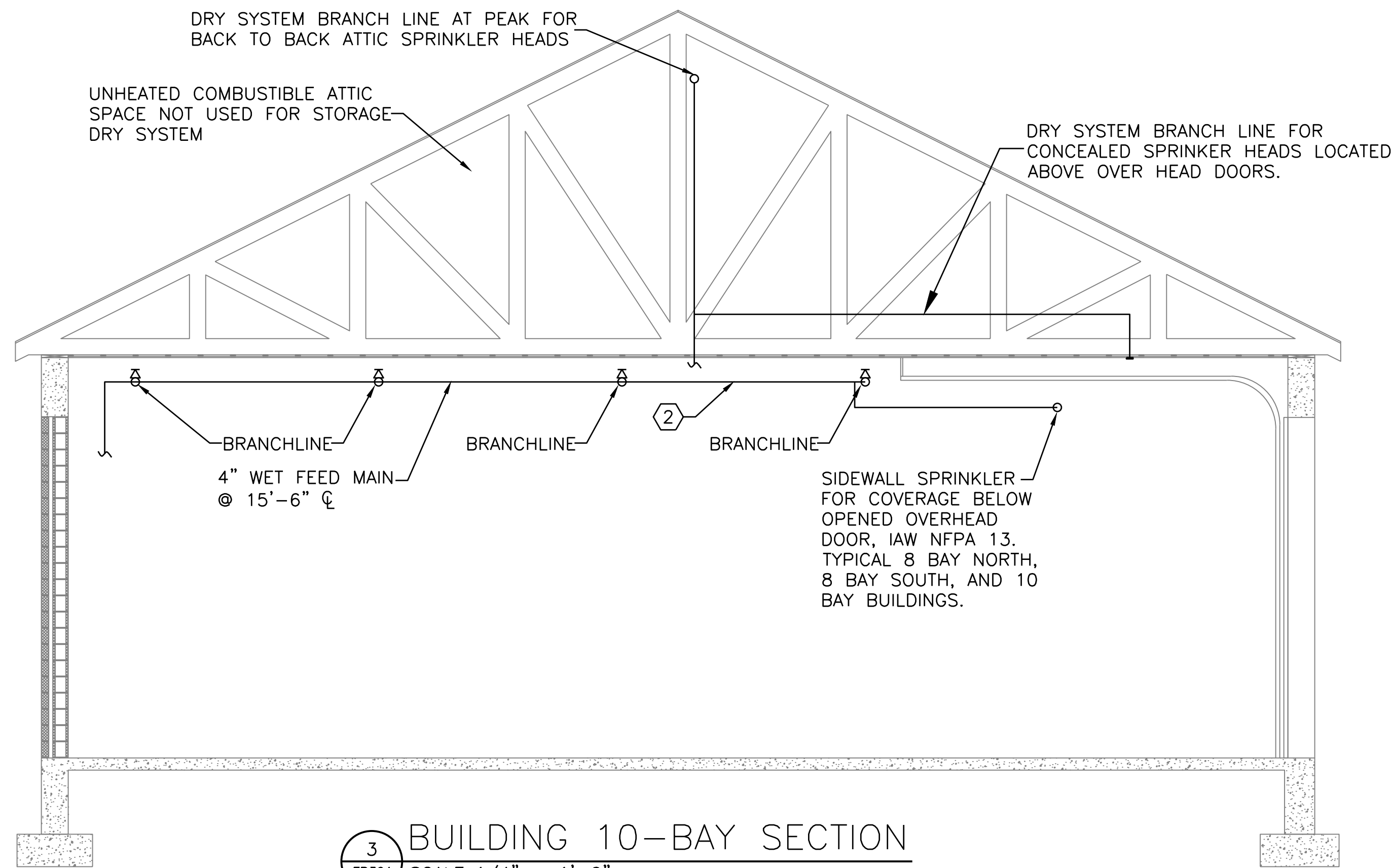
MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
OFFICE/MAINTENANCE GARAGE**

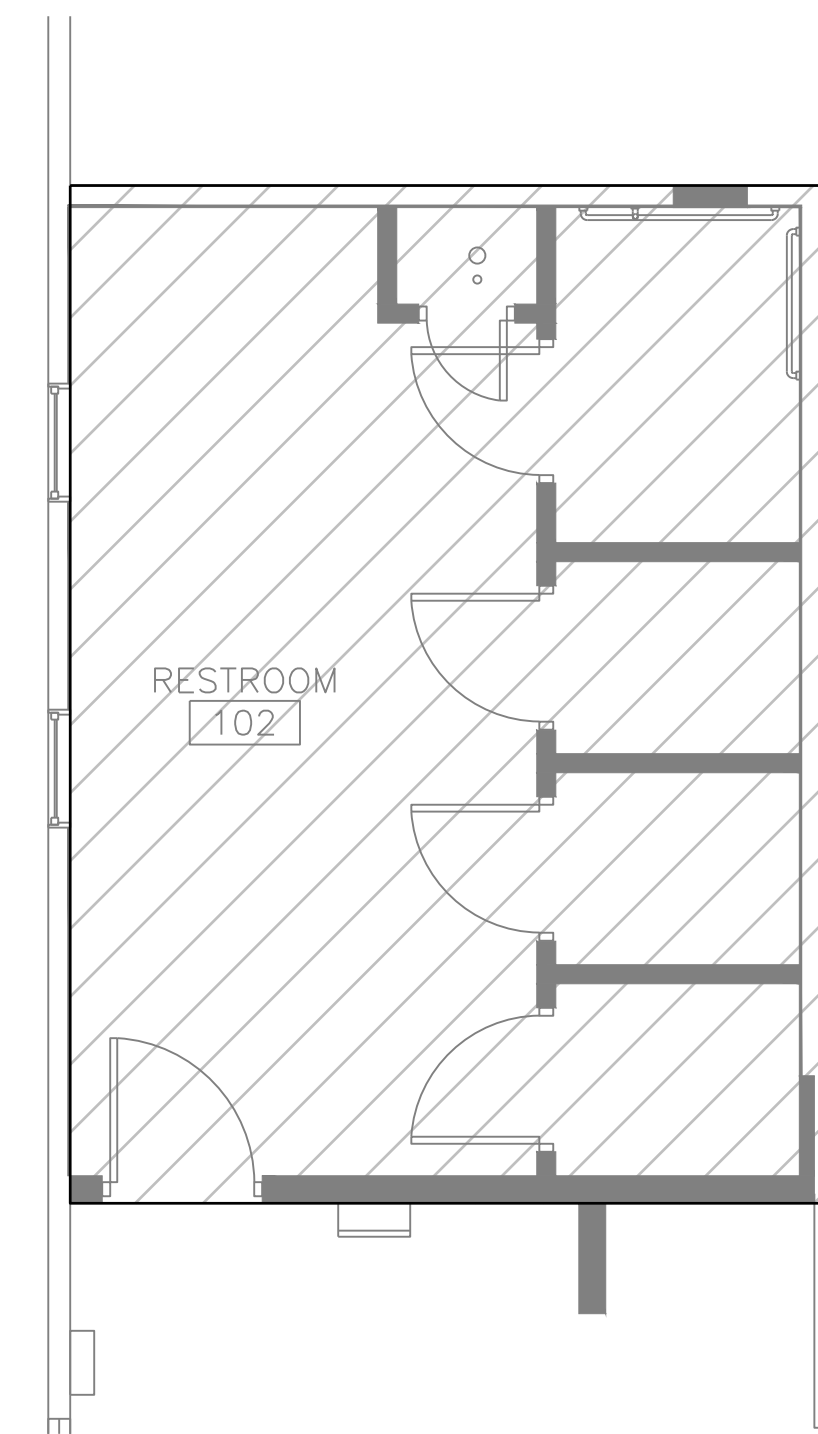
CONTRACT: 2026.08

SHEET NUMBER: FP105

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**3 BUILDING 10-BAY SECTION**  
 SCALE: 1/4" = 1'-0"



**4 ENLARGED 8-BAY NORTH RESTROOM**  
 SCALE: 1/4" = 1'-0"

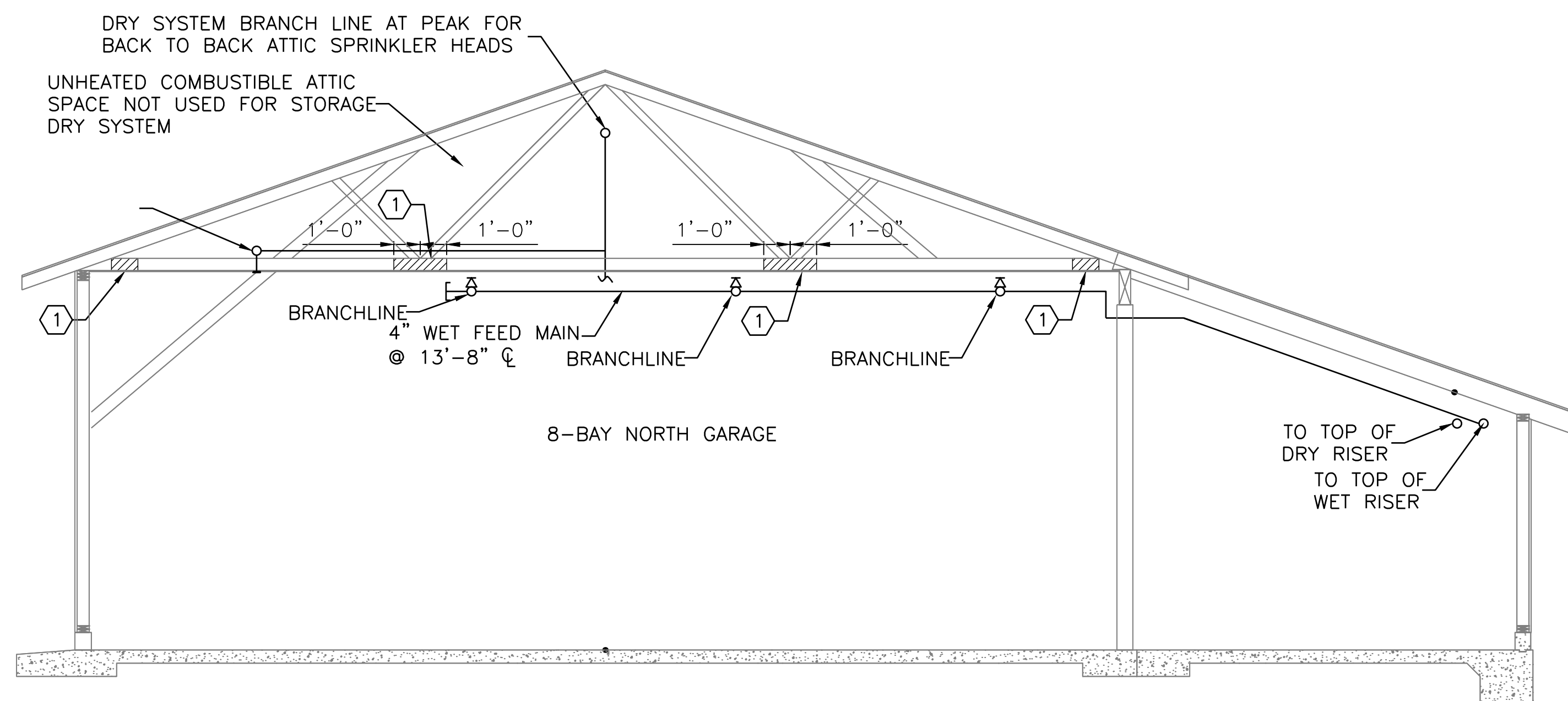
**NOTES:**  
 1. SEE SHEET FP001 FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS.

**KEYED NOTES:**  
 ① SUPPORT SPRINKLERS WITHIN 12 INCHES OF PANEL POINTS, 60 LB HANGER LOAD, MAX. PER HANGER FOR 8 BAY GARAGE.  
 ② SPINKLER OR OTHER HANGING LOADING IN 10-BAY MAY BE APPLIED WITHIN 12" OF TRUSS PANEL POINTS, NOT TO EXCEED 45 LBS PER HANGER TYP.

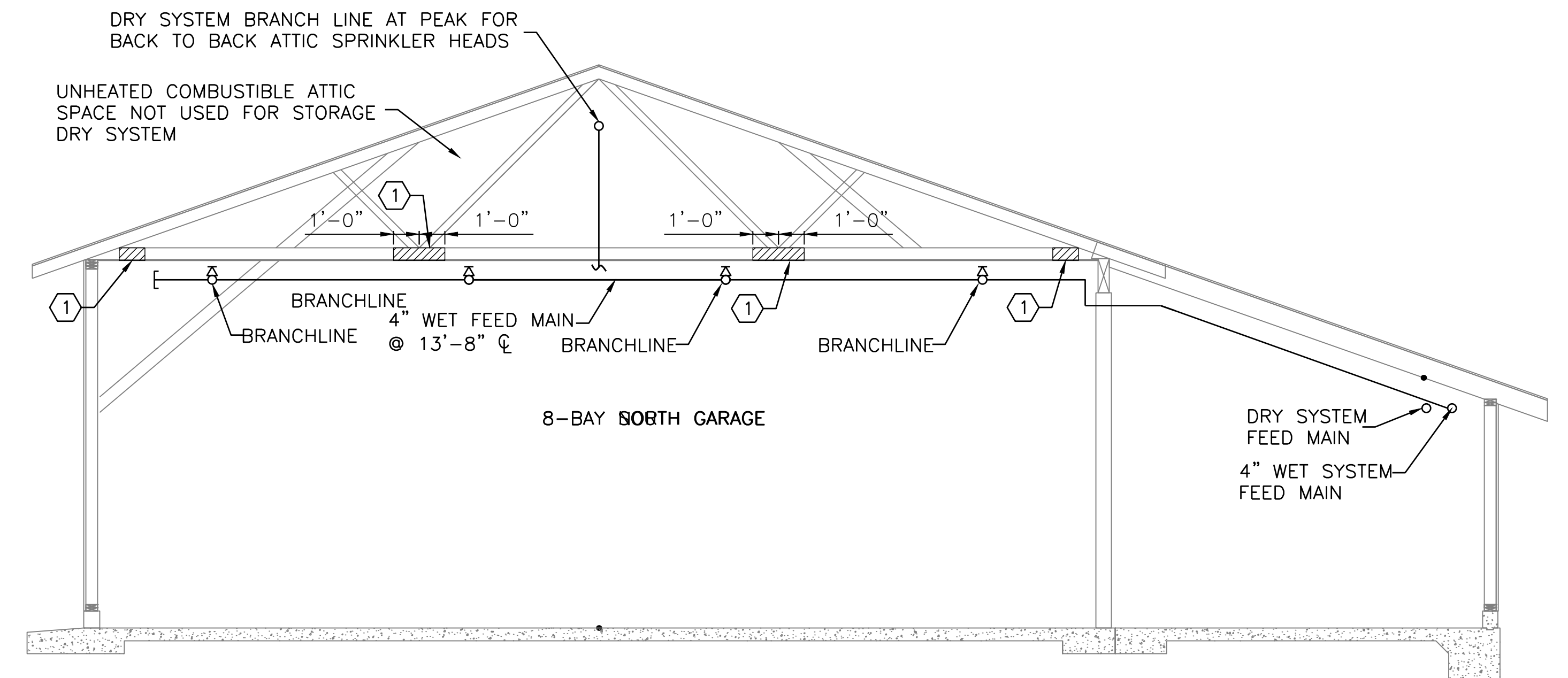
**WET NFPA 13 DESIGN CRITERIA**  
 LIGHT HAZARD: 0.10 GPM SF OVER 1,500 HOSE STREAM ALLOWANCE 100 GPM FOR 30 MINUTES MINIMUM K-FACTOR 5.6  
 ORDINARY HAZARD GROUP 2: 0.20 GPM SF OVER 1,950 SF QUICK RESPONSE REDUCTION ALLOWED WHERE SPRINKLERS ARE LISTED FOR STORAGE APPLICATION IAW NFPA 13. HOSE STREAM ALLOWANCE 250 GPM FOR 60 MINUTES. MINIMUM K8.0.

**DRY NFPA 13 DESIGN CRITERIA**  
 LIGHT HAZARD CLASSIFICATION: 0.10 GPM/SF OVER 1,950 SF. HOSE STREAM ALLOWANCE: 100 GPM FOR 30 MINUTES. SLOPED CEILING REQUIRE A 30% INCREASE TO DEIGN AREA IN ACCORDANCE WITH NFPA 13 SECTION 19.2.3.2.4.

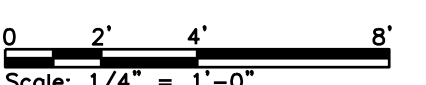
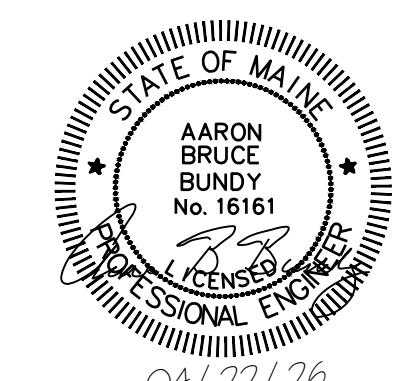
ATTIC ABOVE NOT SHOWN ON PLAN



**1 BUILDING 8-BAY NORTH**  
 SCALE: 1/4" = 1'-0"



**2 BUILDING 8-BAY SOUTH**  
 SCALE: 1/4" = 1'-0"



Scale: AS NOTED

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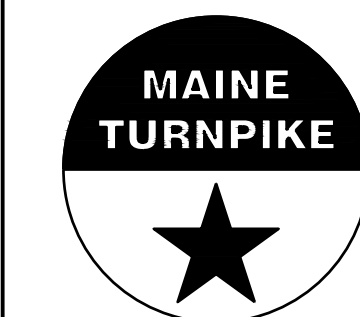
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CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date
Designed	ABB		SMR	
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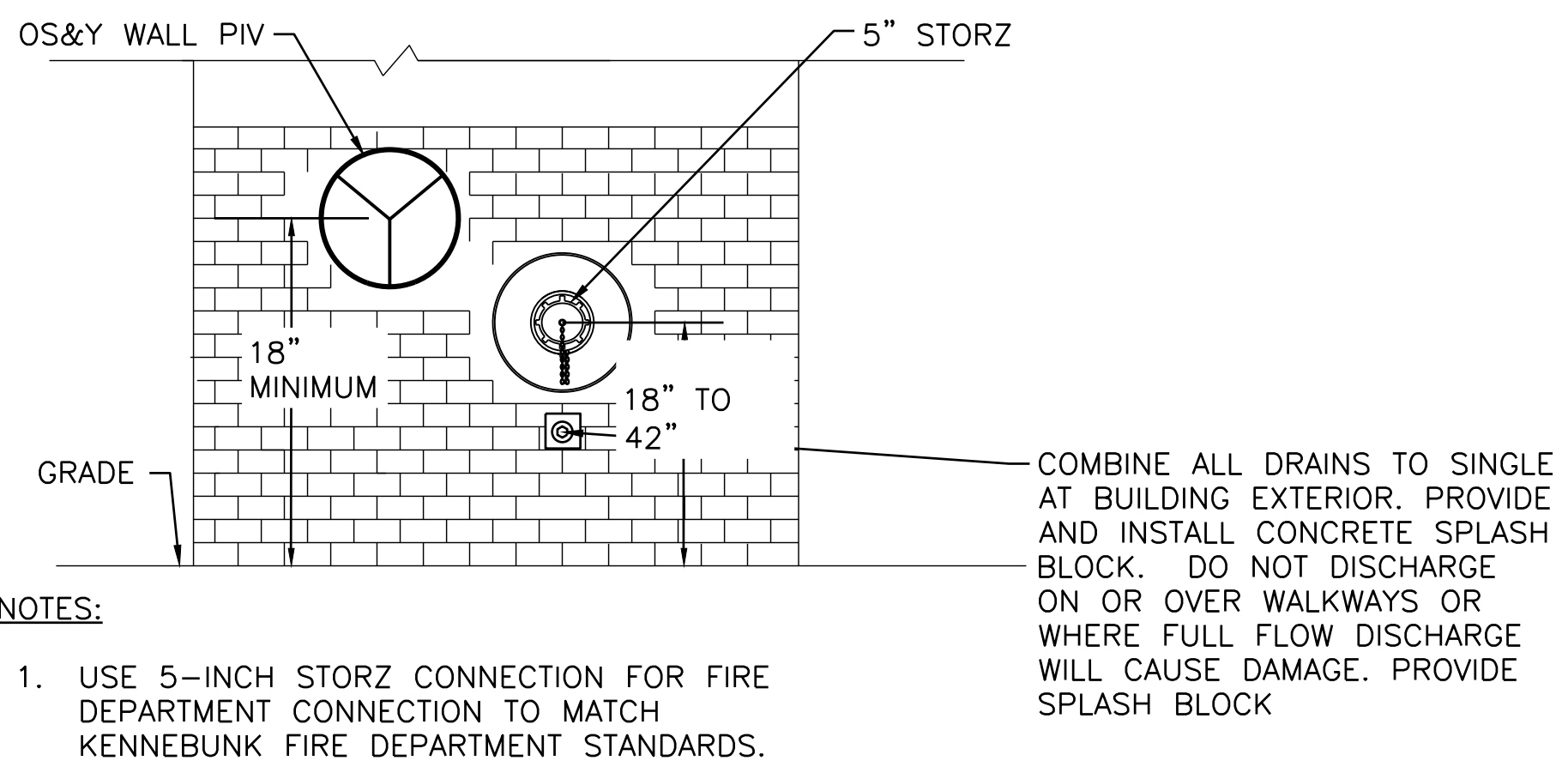


**THE GOLD STAR  
 MEMORIAL HIGHWAY**

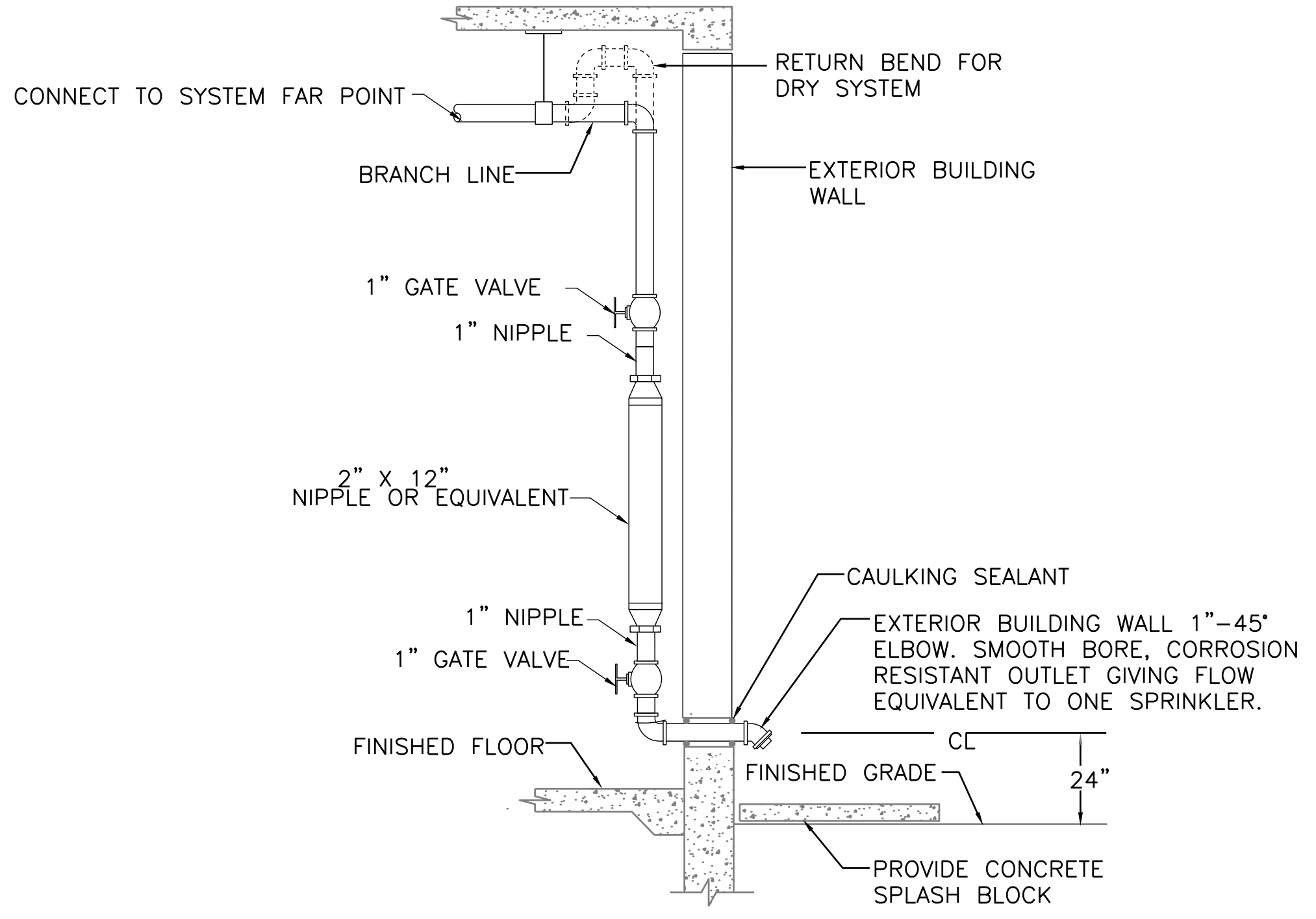
MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
 MAINE TURNPIKE AUTHORITY**

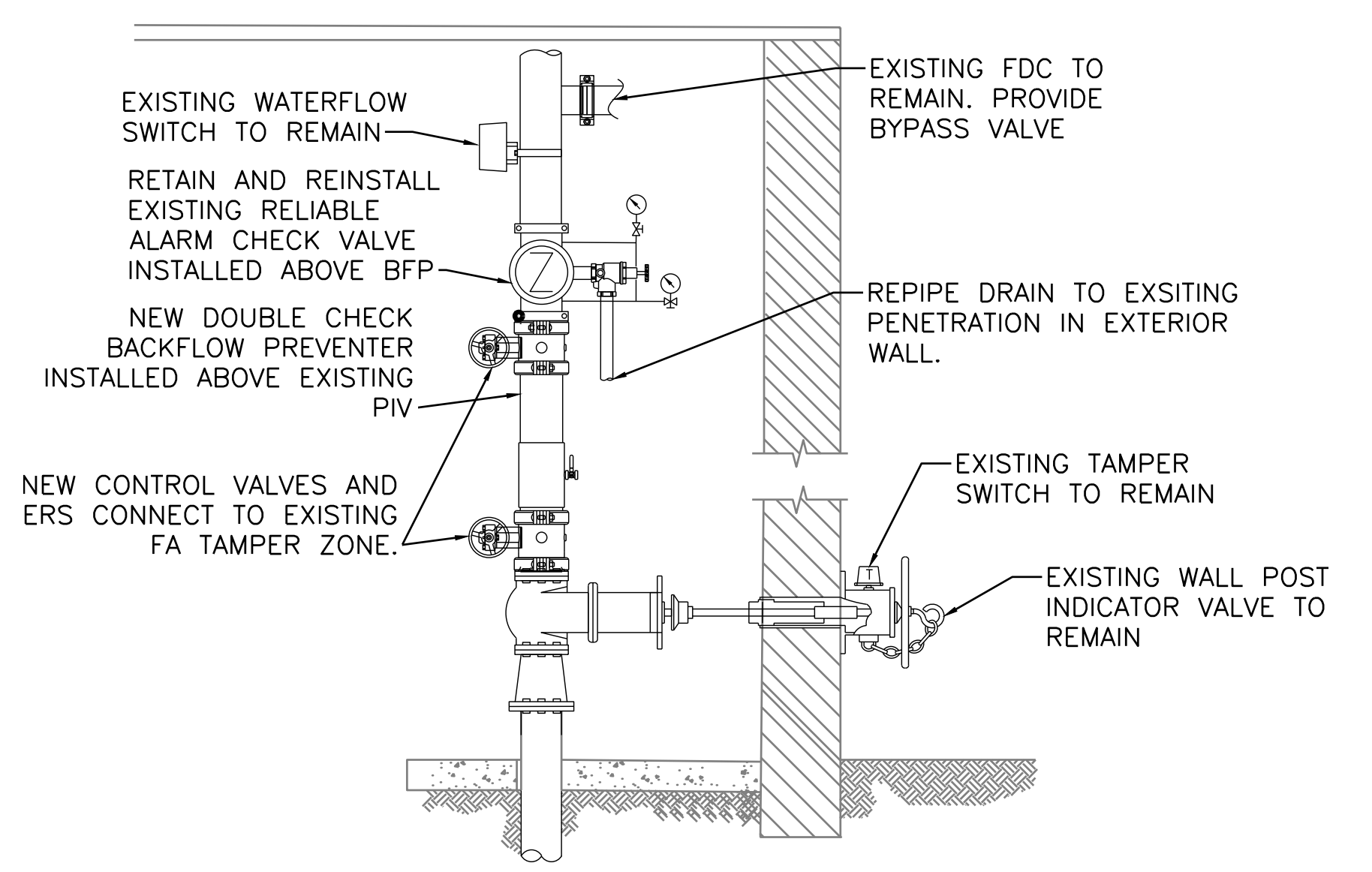
**BUILDING SECTIONS**



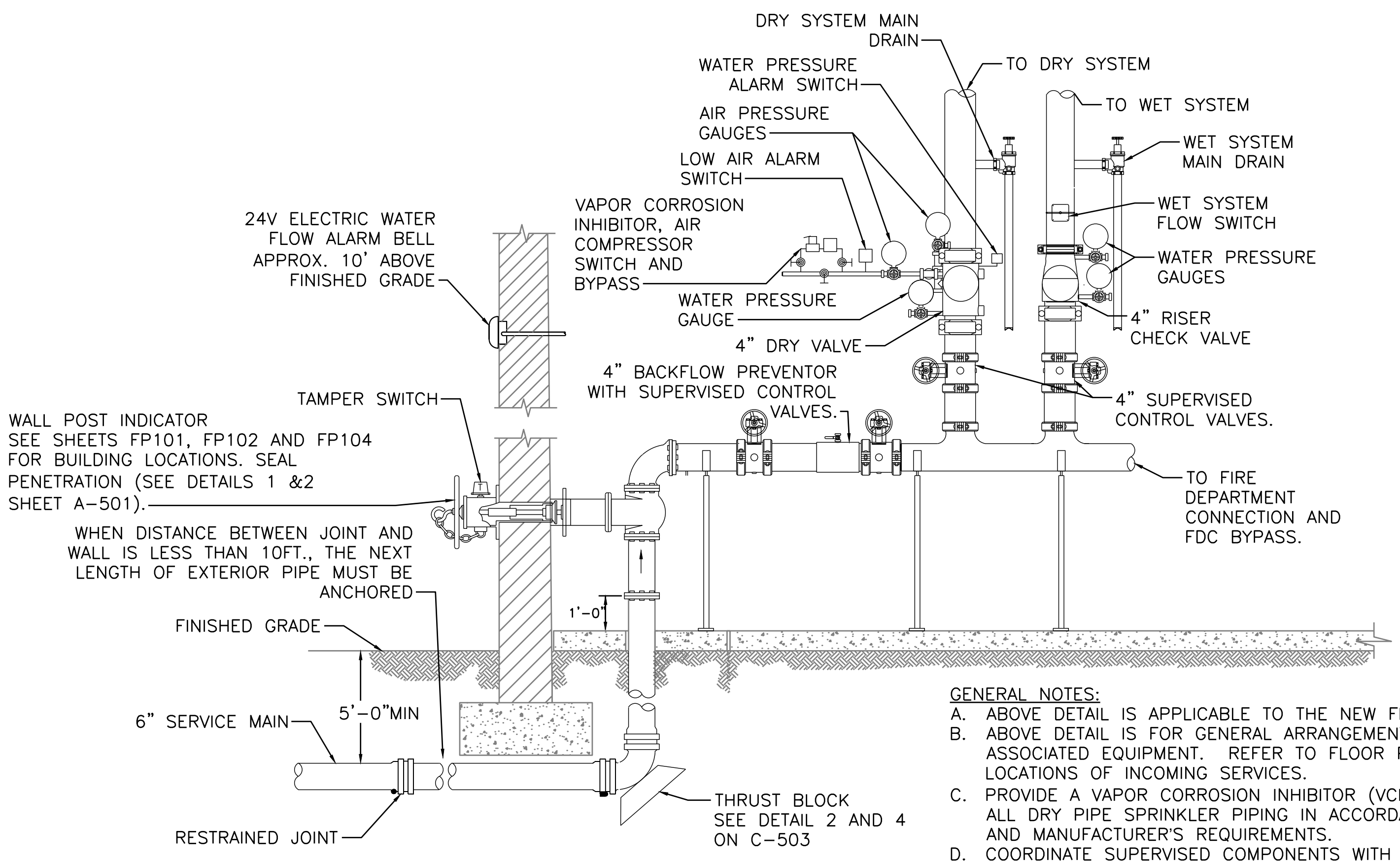
FIRE DEPARTMENT CONNECTION AND PIV DETAIL  
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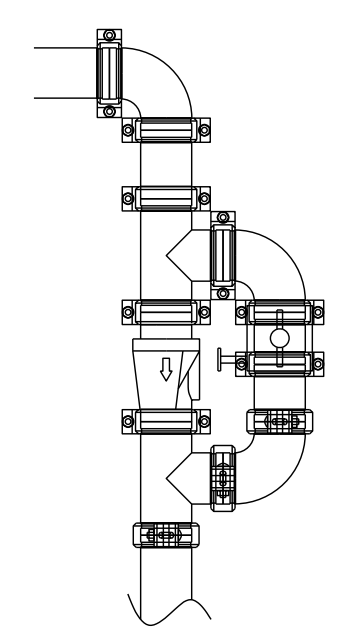
DRY SYSTEM AUXILIARY TEST AND DRAIN  
SCALE: NOT TO SCALE



MAINTENANCE GARAGE RISER DETAIL WITH NEW BFP  
SCALE: NOT TO SCALE

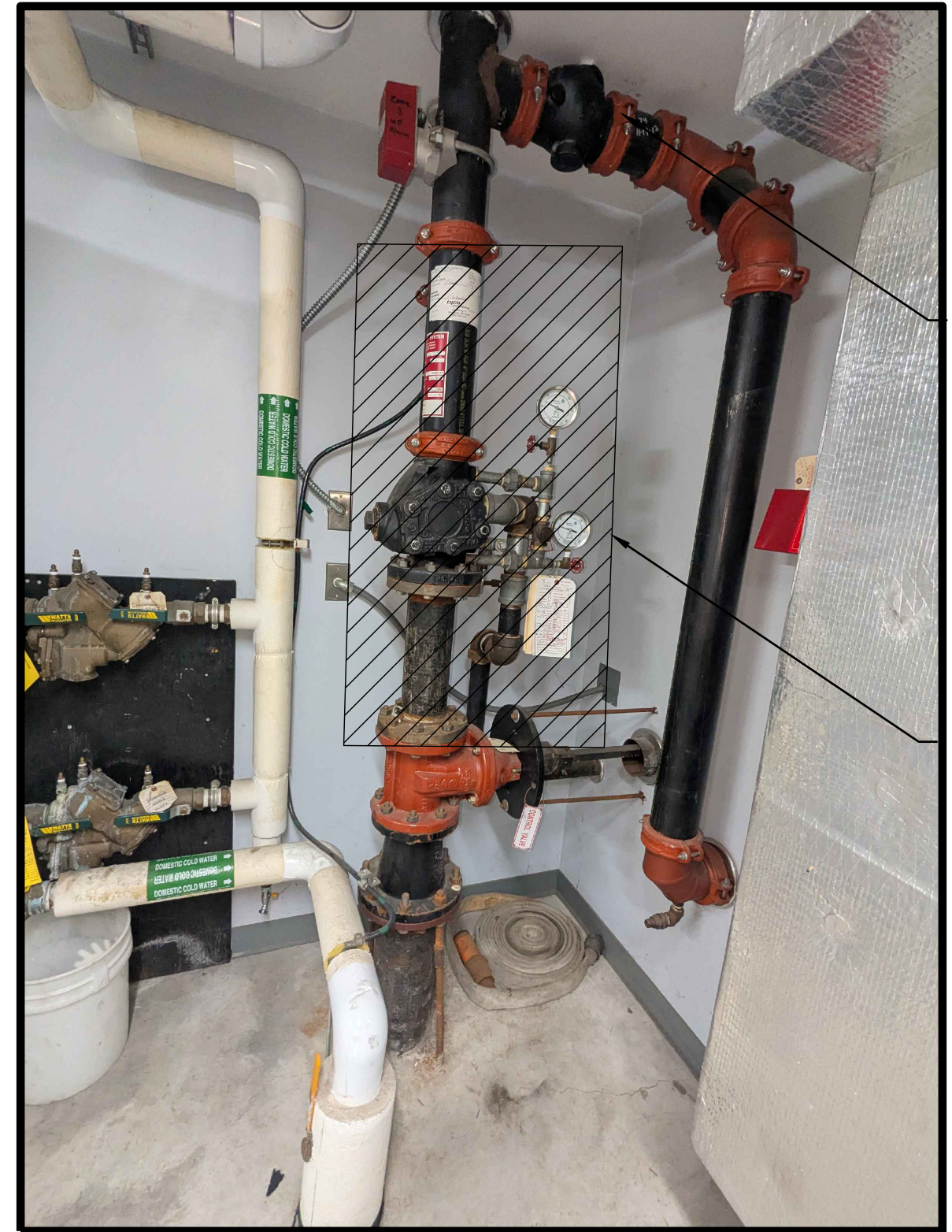


FIRE PROTECTION RISER DETAIL  
SCALE: NOT TO SCALE



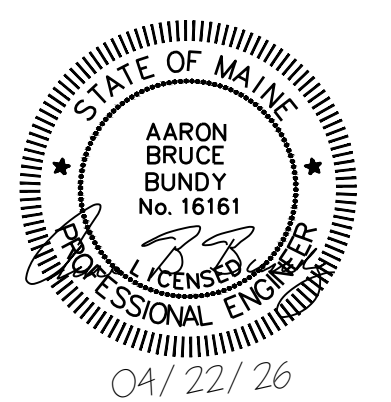
FDC BYPASS DETAIL  
SCALE: NOT TO SCALE

- GENERAL NOTES:  
A. ABOVE DETAIL IS APPLICABLE TO THE NEW FIRE WATER SERVICE.  
B. ABOVE DETAIL IS FOR GENERAL ARRANGEMENT OF VALVES AND ASSOCIATED EQUIPMENT. REFER TO FLOOR PLANS FOR LOCATIONS OF INCOMING SERVICES.  
C. PROVIDE A VAPOR CORROSION INHIBITOR (VCI) SYSTEM WITHIN ALL DRY PIPE SPRINKLER PIPING IN ACCORDANCE WITH NFPA 13 AND MANUFACTURER'S REQUIREMENTS.  
D. COORDINATE SUPERVISED COMPONENTS WITH FIRE ALARM.



- PROVIDE CONTROL VALVE BYPASS AROUND EXISTING FDC TO ALLOW FULL FLOW TESTING OF NEW BFP.  
REMOVE RISER ASSEMBLY FROM TOP OF FLANGE AT PIV TO GROOVE BELOW WATERFLOW SWITCH. ADD NEW DOUBLE CHECK BACKFLOW PREVENTER, REINSTALL ALARM CHECK VALVE, DRAIN AND TRIM AS NEEDED ABOVE NEW BACKFLOW. PROVIDE NEW TAMPER SWITCHES ON BOTH SIDES OF BFP AND CONNECT TO EXISTING SUPERVISORY ZONE ON FIRE ALARM SYSTEM.

EXISTING MAINTENANCE GARAGE RISER DETAIL  
SCALE: NOT TO SCALE



Scale: AS NOTED

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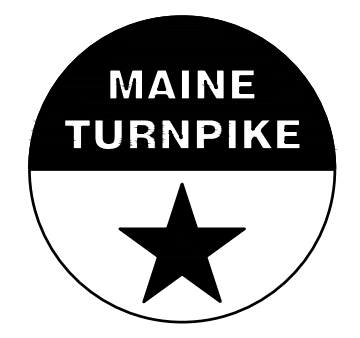
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CONSULTANT PROJECT MANAGER: MIKE KELLEY

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Designed	ABB		Checked	SMR
Drawn	SBC		In Charge of	MJK



47A York St  
Portland, ME  
04101  
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THE GOLD STAR  
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: JACQUELINE HANSEN

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
FIRE PROTECTION DETAILS

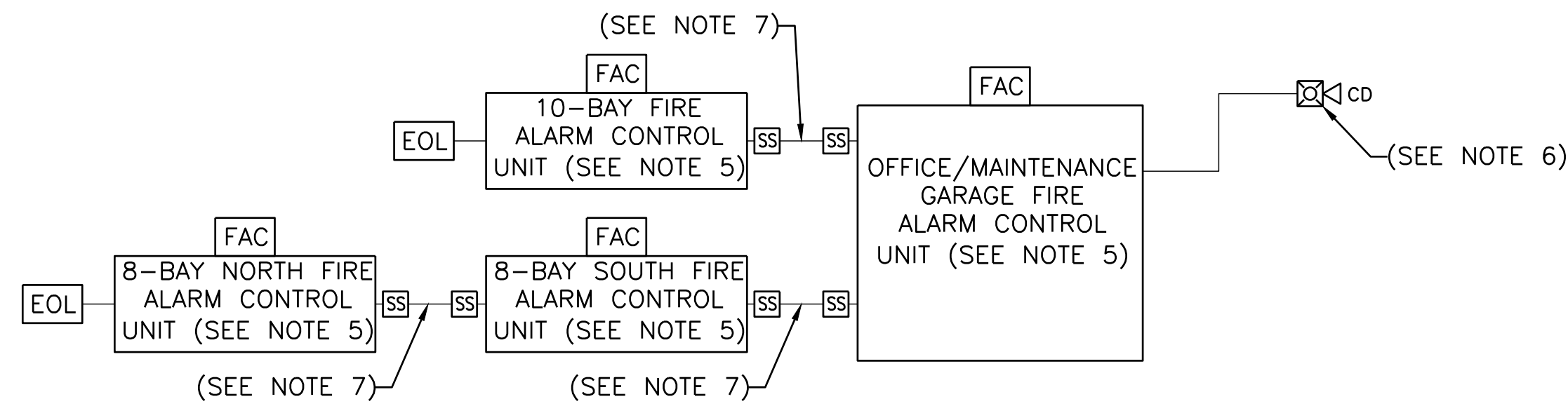
CONTRACT: 2026.08

SHEET NUMBER: FP501

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### GENERAL NOTES

1. PROVIDE A NEW FIRE ALARM CONTROL UNIT (FACU) WITH NEW ADDRESSABLE INITIATING, NOTIFICATION, AND MONITORING DEVICES. THE NEW FIRE ALARM CONTROL UNITS WILL BE CONNECTED TO THE EXISTING FIRE ALARM SYSTEM IN THE OFFICE/MAINTENANCE GARAGE. THE 8 BAY SOUTH AND 8 BAY NORTH GARAGES WILL BOTH BE PLACED ON THE OPEN ZONE IDC#2 AND 10 BAY GARAGES WILL BE PLACED ON THE OPEN ZONE IDC#8. ALL SYSTEMS WILL BE SUPERVISED BY A NEW CELLULAR COMMUNICATOR.
2. STROBES WITHIN A GIVEN AREA MUST BE SYNCHRONIZED IAW NFPA 72, SECTION 18.5.5.2 (3)..
3. FIRE ALARM CONTRACTOR MUST COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL PANELS AND DEVICES REQUIRING POWER.
4. SYSTEMS ARE SHOWN SCHEMATICALLY. DEVICE AND EQUIPMENT LOCATIONS MUST BE CONFIRMED BY THE CONTRACTOR AS BEING SUFFICIENT BOTH IN TERMS OF FUNCTIONALITY AND IN TERMS OF THE REQUIREMENTS OF THE AFOREMENTIONED DOCUMENTS. CONTRACTOR MUST PROVIDE RELAYS AND CONTRACTORS AS REQUIRED FOR A COMPLETE SYSTEM.
5. FIRE ALARM WIRING MUST BE SOLID COPPER AND INSTALLED IN CONDUIT. STRANDED WIRING IS ALLOWED
6. CONDUIT MUST BE RIGID METAL OR ELECTRICAL METALLIC TUBING, WITH A MINIMUM INSIDE DIAMETER OF 3/4 INCH THAT UTILIZES COMPRESSION TYPE FITTINGS AND COUPLINGS.
7. PROVIDE THE SERVICES OF A LICENSED AUTHORIZED TECHNICAL REPRESENTATIVE OF THE MANUFACTURER TO SELECT PROPER MATCHING COMPONENTS, TO SUPERVISE THE INSTALLATION, PLUS ADJUSTING, PROGRAMMING, AND TESTING OF THE SYSTEM REQUIRED TO ASSURE A COMPLETE AND FULLY OPERATIONAL SYSTEM.
8. UPON COMPLETION, PERFORM NECESSARY ACCEPTANCE TESTING AND SHALL PROVIDE THE OWNER WITH WRITTEN INFORMATION ON THE PROPER INSPECTION, TESTING AND MAINTENANCE OF THE SYSTEM.



### NOTES:

1. THIS SCHEMATIC IS FOR REQUIRED SYSTEM COMPONENT ILLUSTRATION ONLY.
2. PROVIDE WIRING TYPES, SIZES, AND INTERCONNECTIONS RECOMMENDED BY THE MANUFACTURER AND APPLICABLE CODE REQUIREMENTS.
3. NOT ALL INPUT AND OUTPUT DEVICES ARE SHOWN. PROVIDE THESE DEVICES AS REQUIRED FOR INTERCONNECTION OF BUILDING FIRE ALARM CONTROL UNITS AND PROPER SYSTEM OPERATION BASED ON APPLICABLE CODE REQUIREMENTS.
4. EXISTING CONVENTIONAL FIRE ALARM CONTROL UNIT AND COMMUNICATOR TO REMAIN, MODIFY OR EXPAND AS REQUIRED FOR WORK SHOWN.
5. PROVIDE A NEW FIRE ALARM CONTROL UNIT (FACU) AND COMMUNICATOR WITH NEW ADDRESSABLE INITIATING, NOTIFICATION, AND MONITORING DEVICES IN 8-BAY NORTH, 8 BAY SOUTH, AND 10-BAY GARAGE BUILDINGS.. THE NEW FIRE ALARM CONTROL UNITS WILL BE CONNECTED TO THE EXISTING FIRE ALARM SYSTEM IN THE OFFICE/MAINTENANCE GARAGE. THE 8 BAY SOUTH AND 8 BAY NORTH GARAGES WILL BOTH BE PLACED ON THE OPEN ZONE IDC#2 AND 10 BAY GARAGE WILL BE PLACED ON THE OPEN ZONE IDC#8. PROVIDE SIGNAGE ADJACENT TO THE NEW NOTIFICATION APPLIANCE IN THE OFFICE/MAINTENANCE GARAGE WITH THE NOTIFICATION APPLIANCE TO INDICATE FIRE ALARM ACTIVATION IN THE GARAGE BUILDINGS.
6. NEW NOTIFICATION APPLIANCE W/ SIGNAGE (SBC COPY WORDING FROM MAINT BLDG)
7. NEW COPPER AND FIBER OPTIC CIRCUITS INSTALLED UNDERGROUND FOR INTERCONNECTION OF NEW BUILDINGS TO EXISTING MAINTENANCE BUILDING. CONTRACTOR MAY USE EITHER MEDIA PROVIDED SYSTEM FUNCTIONALITY IS MET. IF COPPER CONDUCTORS ARE USED PROVIDE LOW VOLTAGE SURGE PROTECTION WITH DEDICATED EARTH GROUND AT LOCATION OF CIRCUIT ENTRANCE TO EACH BUILDING. SEE CIVIL SHEET C-102.

## 1 FIRE ALARM CAMPUS RISER DETAIL

FA001 SCALE: NTS

### APPLICABLE CODES AND STANDARDS

- MUBEC (2025): MAINE UNIFORM BUILDING AND ENERGY CODE

#### INTERNATIONAL CODE COUNCIL CODES:

- IBC (2021, AS AMENDED): INTERNATIONAL BUILDING CODE
- IEBC (2021, AS AMENDED): INTERNATIONAL EXISTING BUILDING CODE

#### NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS:

- NFPA 1 (2018): FIRE CODE
- NFPA 4 (2024): STANDARD FOR INTEGRATED FIRE PROTECTION AND LIFE SAFETY SYSTEM TESTING
- NFPA 13 (2016): STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
- NFPA 22 (2013): STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION
- NFPA 24 (2013): STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
- NFPA 25 (2014): STANDARDS FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS
- NFPA 70 (2023): NATIONAL ELECTRICAL CODE
- NFPA 72 (2019): NATIONAL FIRE ALARM AND SIGNALING CODE
- NFPA 101 (2018): LIFE SAFETY CODE
- NFPA 170 (2024): STANDARD FOR FIRE SAFETY AND EMERGENCY SYMBOLS
- NFPA 241 (2019): STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS
- NFPA 291 (2025): RECOMMENDED PRACTICE FOR WATER FLOW TESTING AND MARKING OF HYDRANTS

### FIRE ALARM LEGEND

FIRE ALARM HORN/STROBE APPLIANCE (GENERAL EVACUATION) INDICATES CANDELA INTENSITY	FIRE ALARM CONTROL UNIT
NOTIFICATION APPLIANCE EXPANDER PANEL	SURGE SUPPRESSION
FIRE ALARM STROBE APPLIANCE WALL MOUNTED INDICATES CANDELA INTENSITY	AUTONOMOUS INPUT MODULE
FIRE ALARM STROBE APPLIANCE CEILING MOUNTED INDICATES CANDELA INTENSITY	FIRE ALARM MANUAL PULL STATION
VALVE SUPERVISOR SWITCH	WATER PRESSURE SWITCH
WATERFLOW SWITCH	LOW TEMPERATURE SWITCH
	FIRE ALARM TERMINAL CABINET
	FIRE ALARM COMMUNICATOR

### ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLER UNIT
BFG	BELOW FINISHED GRADE
BLDG	BUILDING
EXIST	EXISTING
FAA	FIRE ALARM ANNUNCIATOR
FATP	FIRE ALARM TRANSPONDER PANEL
FACU	FIRE ALARM CONTROL UNIT
IAW	IN ACCORDANCE WITH
MFR	MANUFACTURER
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
WP	WEATHER PROOF

#### SYSTEM INPUTS

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	●	●	●	●	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●	●	●	●	●	●
4	●	●	●	●	●	●	●	●	●	●	●	●	●
5	●	●	●	●	●	●	●	●	●	●	●	●	●
6													
7													
8													
9													
10													
11													
12													

#### SYSTEM OUTPUTS

	A	B	C	D	E	F	G	H	I	J	K	L	M
ACTIVATE COMMON ALARM SIGNAL	●	●	●	●	●	●	●	●	●	●	●	●	●
ACTIVATE AUDIBLE/VISUAL ALARM SIGNAL INDICATOR	●	●	●	●	●	●	●	●	●	●	●	●	●
ACTIVATE COMMON SUPERVISORY SIGNAL	●	●	●	●	●	●	●	●	●	●	●	●	●
ACTIVATE AUDIBLE/VISUAL SUPERVISORY SIGNAL INDICATOR	●	●	●	●	●	●	●	●	●	●	●	●	●
ACTIVATE COMMON TROUBLE SIGNAL	●	●	●	●	●	●	●	●	●	●	●	●	●
ACTIVATE AUDIBLE/VISUAL TROUBLE SIGNAL INDICATOR	●	●	●	●	●	●	●	●	●	●	●	●	●
TRANSMIT ALARM SIGNAL TO REPORTING STATION	●	●	●	●	●	●	●	●	●	●	●	●	●
TRANSMIT SUPERVISORY SIGNAL TO REPORTING STATION	●	●	●	●	●	●	●	●	●	●	●	●	●
TRANSMIT TROUBLE SIGNAL TO REPORTING STATION	●	●	●	●	●	●	●	●	●	●	●	●	●
DISPLAY POINT ADDRESS AND PROGRAMMED POINT DESCRIPTION	●	●	●	●	●	●	●	●	●	●	●	●	●
DISPLAY CHANGE OF STATUS AT FACU	●	●	●	●	●	●	●	●	●	●	●	●	●
EXTERIOR ALARM BELL SOUNDING	●	●	●	●	●	●	●	●	●	●	●	●	●
ACTIVATE AUDIBLE/VISUAL ALARM AND SUPERVISORY SIGNAL AT OFFICE/MAINTENANCE GARAGE FACU	●	●	●	●	●	●	●	●	●	●	●	●	●

## 1 FIRE ALARM INPUT/OUTPUT MODULE

FA001 SCALE: NTS

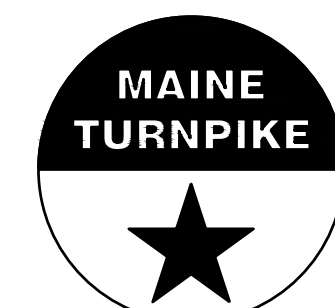
Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

Designed by:			
COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753			
CONSULTANT PROJECT MANAGER: MIKE KELLEY			
	By	Date	
Designed	ABB		Checked
Drawn	SBC		In Charge of
			SMR
			MJK



47A York St  
Portland, ME  
04101  
207.553.7753



THE GOLD STAR  
MEMORIAL HIGHWAY

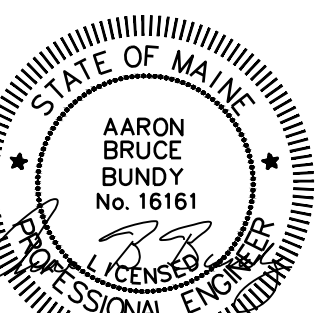
MTA PROJECT MANAGER: JACQUELINE HANSEN

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
FIRE ALARM GENERAL NOTES, LEGENDS, AN  
ABBREVIATIONS

CONTRACT: 2026.08

SHEET NUMBER: FA001

40 OF 62



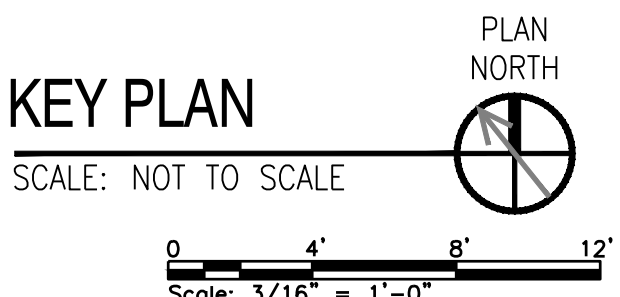
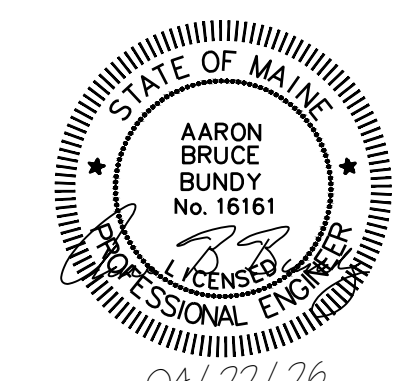
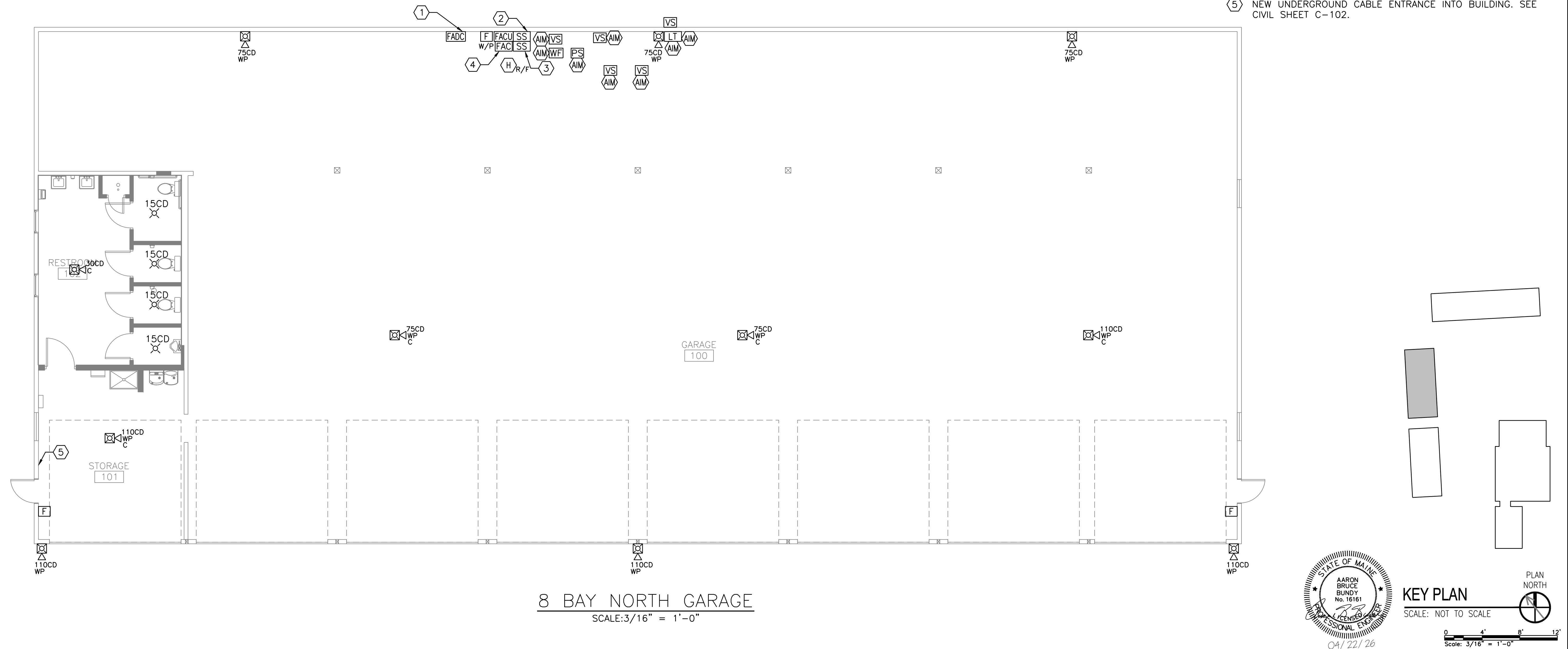
04/22/26

**NOTES:**

- SEE SHEET FA001 FOR GENERAL NOTES, LEGENDS, AND ABBREVIATIONS

**KEYED NOTES:**

- PROVIDE AND INSTALL FIRE ALARM DOCUMENT CABINET (FADC) PER NFPA 72 REQUIREMENTS. CABINET SHALL BE SURFACE-MOUNTED ADJACENT TO FACP, RED IN COLOR, AND KEYED TO MATCH FACP. CABINET SHALL HOUSE ALL AS-BUILT DRAWINGS, SYSTEM PROGRAMMING, AND THE SYSTEM LOGBOOK.
- PROVIDE LOW VOLTAGE SURGE PROTECTION FOR MAINTENANCE BUILDING CONNECTION.
- PROVIDE 120 VAC SURGE PROTECTION FOR FIRE ALARM POWER
- PROVIDE U.L. LISTED FIRE ALARM COMMUNICATOR. MONITOR ALL SYSTEM POINTS AND TRANSMIT ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO THE CENTRAL FIRE ALARM PANEL. POWER SHALL BE DERIVED FROM THE FACP POWER CIRCUIT.
- NEW UNDERGROUND CABLE ENTRANCE INTO BUILDING. SEE CIVIL SHEET C-102.



Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

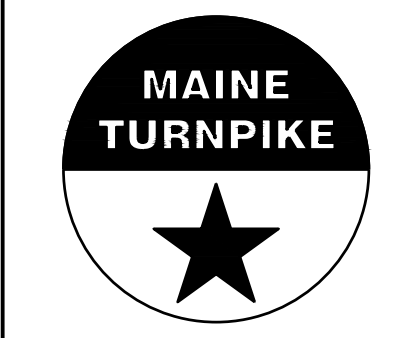
Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date
Designed	ABB		Checked	SMR
Drawn	SBC		In Charge of	MJK



47A York St  
Portland, ME  
04101  
207.553.7753



**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
**8-BAY NORTH GARAGE**

CONTRACT: 2026.08

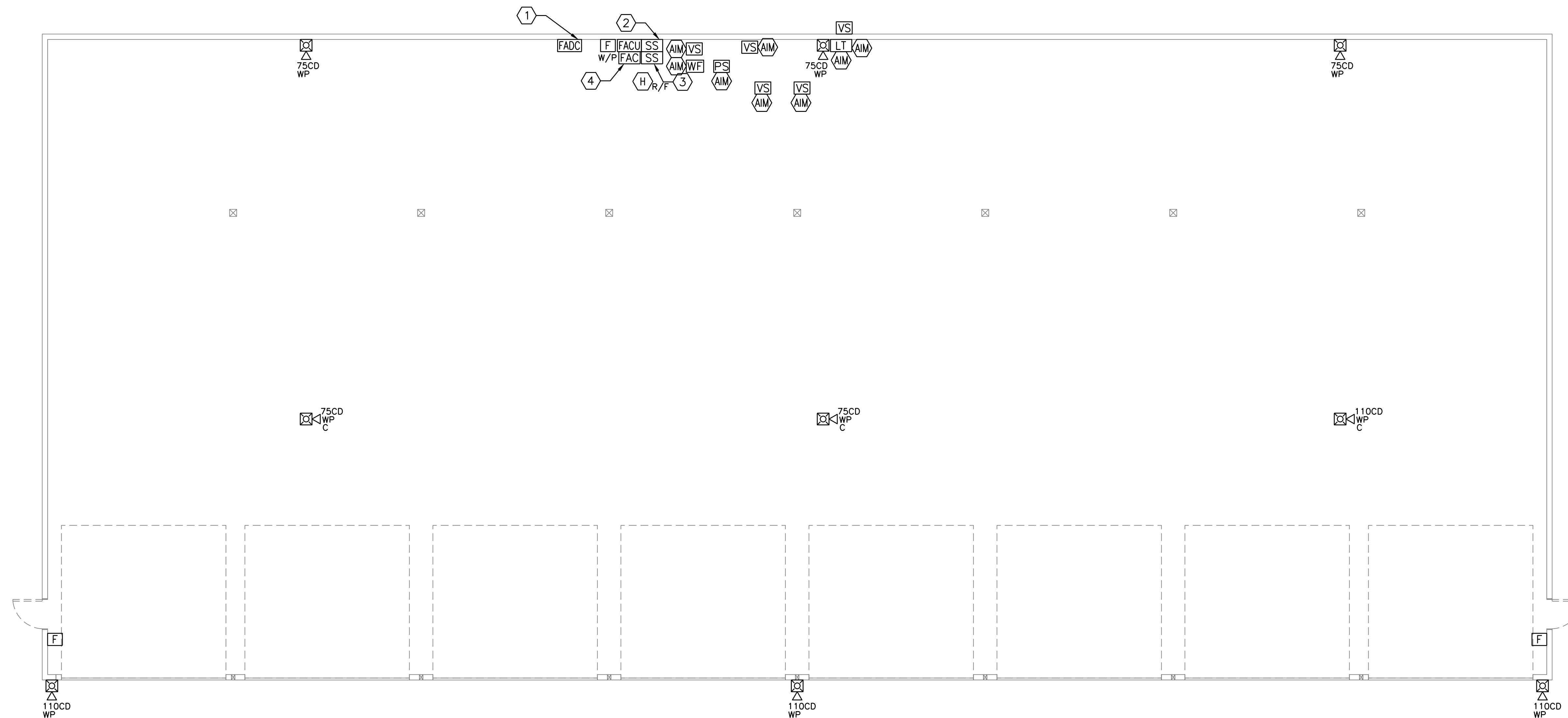
SHEET NUMBER: FA101

**NOTES:**

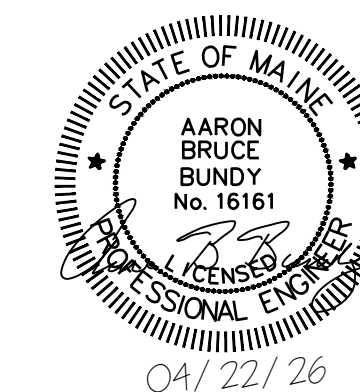
- SEE SHEET FA001 FOR GENERAL NOTES, LEGENDS, AND ABBREVIATIONS

**KEYED NOTES:**

- PROVIDE AND INSTALL FIRE ALARM DOCUMENT CABINET (FADC) PER NFPA 72 REQUIREMENTS. CABINET SHALL BE SURFACE-MOUNTED ADJACENT TO FACP, RED IN COLOR, AND KEYED TO MATCH FACP. CABINET SHALL HOUSE ALL AS-BUILT DRAWINGS, SYSTEM PROGRAMMING, AND THE SYSTEM LOGBOOK.
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- PROVIDE U.L. LISTED FIRE ALARM COMMUNICATOR. MONITOR ALL SYSTEM POINTS AND TRANSMIT ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO THE CENTRAL FIRE ALARM PANEL. POWER SHALL BE DERIVED FROM THE FACP POWER CIRCUIT.
- NEW UNDERGROUND CABLE ENTRANCE INTO BUILDING. SEE CIVIL SHEET C-102.

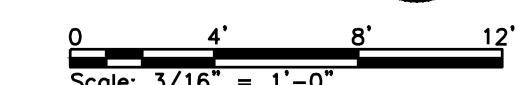


**8 BAY SOUTH GARAGE**  
SCALE: 3/16" = 1'-0"



**KEY PLAN**

SCALE: NOT TO SCALE



Scale: AS NOTED

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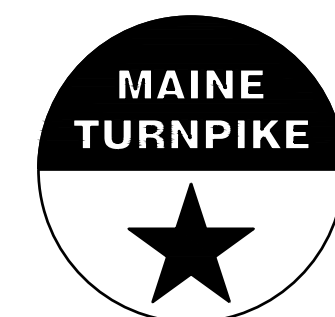
CONSULTANT PROJECT MANAGER: MIKE KELLEY

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

	By	Date		By	Date
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Drawn	SBC		In Charge of	MJK	



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Portland, ME  
04101  
207.553.7753



**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
8-BAY SOUTH GARAGE**

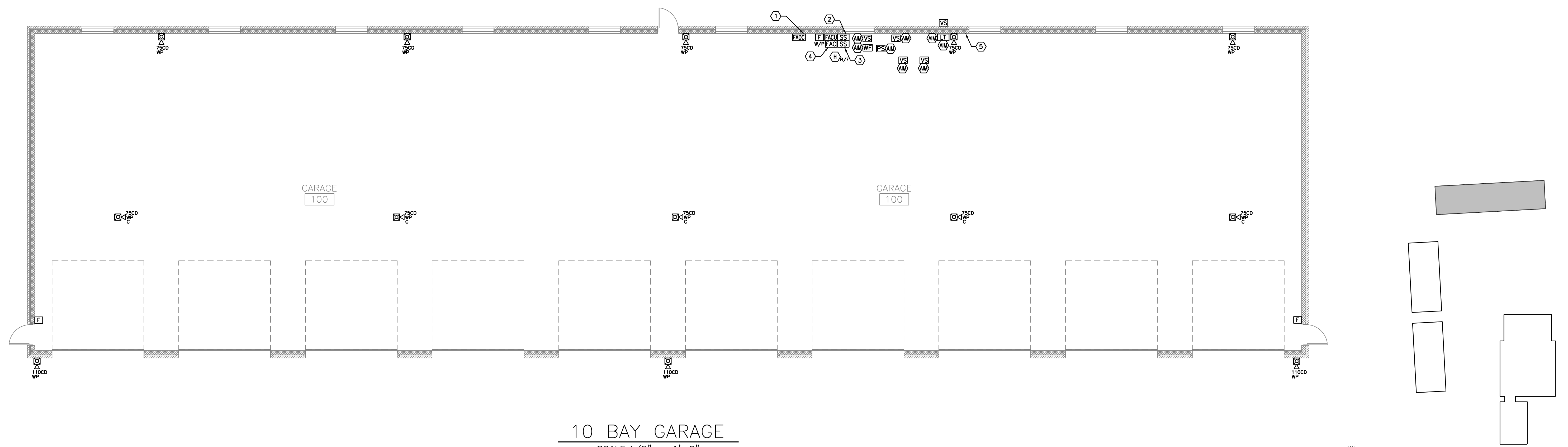
SHEET NUMBER: FA102

CONTRACT: 2026.08

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- NOTES:**
1. SEE SHEET FA001 FOR GENERAL NOTES, LEGENDS, AND ABBREVIATIONS.
  2. PROVIDE DETECTOR ABOVE FIRE ALARM PANELS, IN ACCORDANCE WITH NFPA 72, SECTION 10.4.5. WHERE THE CEILING EXCEEDS 15 FEET, PROVIDE WALL MOUNTED DETECTOR NO GREATER THAN 6 FEET ABOVE THE PANEL.

- KEYED NOTES:**
- 1 PROVIDE AND INSTALL FIRE ALARM DOCUMENT CABINET (FADC) PER NFPA 72 REQUIREMENTS. CABINET SHALL BE SURFACE-MOUNTED ADJACENT TO FACP, RED IN COLOR, AND KEYED TO MATCH FACP. CABINET SHALL HOUSE ALL AS-BUILT DRAWINGS, SYSTEM PROGRAMMING, AND THE SYSTEM LOGBOOK.
  - 2 PROVIDE LOW VOLTAGE SURGE PROTECTION FOR MAINTENANCE BUILDING CONNECTION.
  - 3 PROVIDE 120 VAC SURGE PROTECTION FOR FIRE ALARM POWER
  - 4 PROVIDE U.L. LISTED FIRE ALARM COMMUNICATOR. MONITOR ALL SYSTEM POINTS AND TRANSMIT ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO THE CENTRAL FIRE ALARM PANEL. POWER SHALL BE DERIVED FROM THE FACP POWER CIRCUIT.
  - 5 NEW UNDERGROUND CABLE ENTRANCE INTO BUILDING. SEE CIVIL SHEET C-102.



**10 BAY GARAGE**  
SCALE: 1/8" = 1'-0"

**KEY PLAN**  
 SCALE: NOT TO SCALE  
 Scale: 1/8" = 1'-0"  
 PLAN NORTH

Scale: AS NOTED			
No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753					
CONSULTANT PROJECT MANAGER: MIKE KELLEY					
	By	Date		By	Date
Designed	ABB		Checked	SMR	
Drawn	SBC		In Charge of	MJK	

47A York St  
 Portland, ME  
 04101  
 207.553.7753

**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**10-BAY GARAGE**

SHEET NUMBER: FA103  
**43 OF 62**

CONTRACT: 2026.08

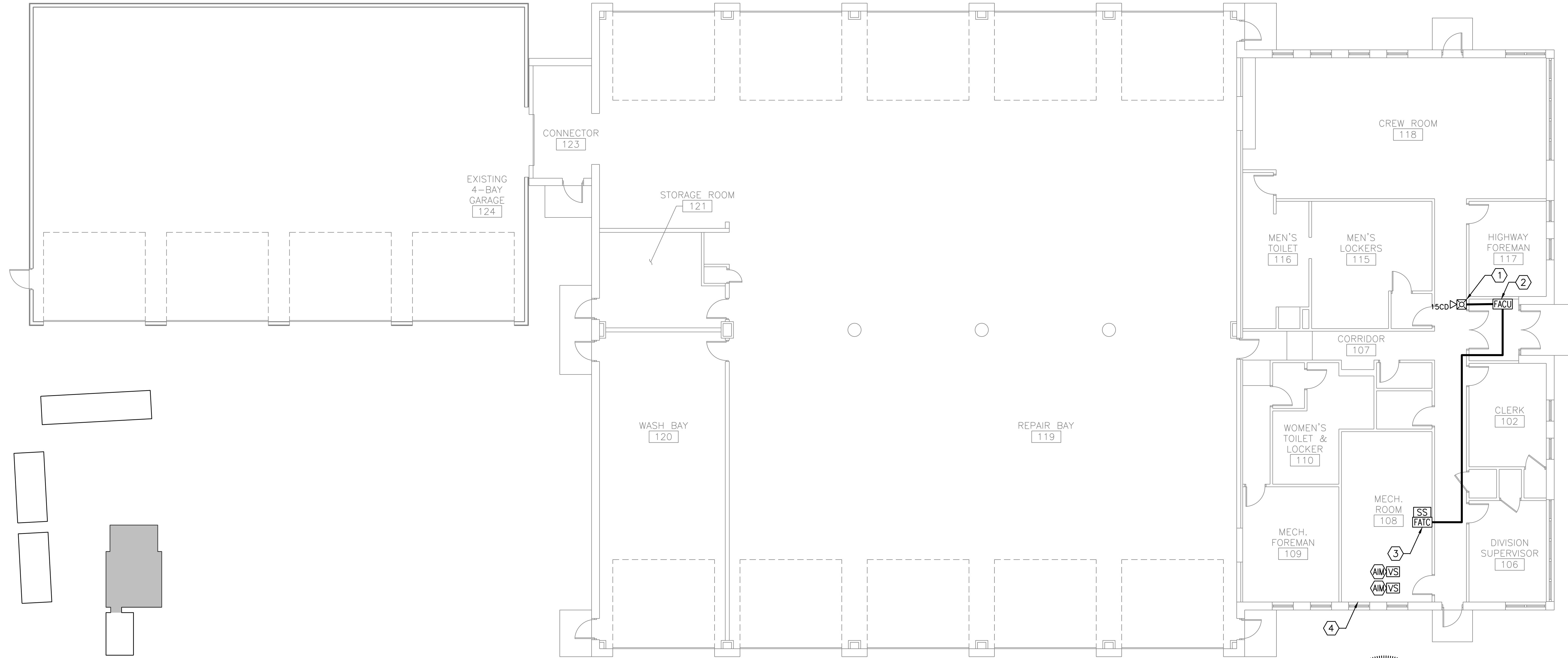
**KEYED NOTES:**

- ① INSTALL NEW HORN STROBE. APPLIANCE BE WHITE BODY, WITH "ALERT" LETTERING. USE SOLID TONE. INCLUDE SIGNAGE INDICATING SPRINKLER ALARM IN 8 BAY NORTH, 8 BAY SOUTH, OR 10 BAY GARAGES.
- ② THE 8 BAY SOUTH AND 8 BAY NORTH GARAGES WILL BOTH BE PLACED ON THE EXISTING OPEN ZONE IDC#2 AND 10 BAY GARAGES WILL BE PLACED ON THE EXISTING OPEN ZONE IDC#8. THE NEW FIRE ALARM DEVICES IN THE 8 BAY GARAGES AND 10 BAY GARAGE WILL NOT ACTIVATE THE NAC PANEL OR GENERAL ALARM. THE NEW FIRE ALARM CONTROL UNITS WILL ACT AS SUPERVISING PANELS AND WILL BE CONNECTED TO THE EXISTING FIRE ALARM SYSTEM IN THE OFFICE/MAINTENANCE GARAGE. NOTIFICATION APPLIANCES AND SIGNAGE WILL BE PROVIDED IN THE OFFICE/MAINTENANCE GARAGE TO DISPLAY WHICH BUILDING HAS THE EMERGENCY.

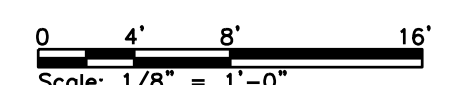
- ③ INSTALL FIRE ALARM TERMINAL CABINET WITH LOW VOLTAGE SURGE PROTECTION WHERE NEW CABLE FROM GARAGE BUILDINGS FOR SUPERVISION OF NEW FIRE ALARM CONTROL PANELS ENTERS THE BUILDING. REFER TO C-102.
- ④ NEW UNDERGROUND CABLE ENTRANCE INTO BUILDING. SEE CIVIL SHEET C-102.

**NOTES:**

- 1. SEE SHEET FA001 FOR GENERAL NOTES, LEGENDS, AND ABBREVIATIONS.



**MAINTENANCE GARAGE/OFFICES**  
SCALE: 1/8" = 1'-0"

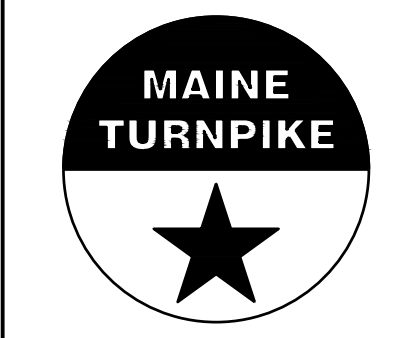


No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753					
CONSULTANT PROJECT MANAGER: MIKE KELLEY					
	By	Date	By	Date	
Designed	ABB		Checked	SMR	
Drawn	SBC		In Charge of	MJK	



47A York St  
Portland, ME  
04101  
207.553.7753



**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
OFFICE/MAINTENANCE GARAGE**

CONTRACT: 2026.08

SHEET NUMBER: FA104  
44 OF 62

## ABBREVIATIONS

©	AT
AAV	AIR ADMITTANCE VALVE
AFF	ABOVE FINISHED FLOOR
ARCH	ARCHITECTURAL
AS	AIR SEPARATOR
BFP	BACKFLOW PREVENTER
BTUH	BRITISH THERMAL UNITS PER HOUR
CFH	CUBIC FEET PER HOUR
CO	CLEANOUT
CONC	CONCRETE
COND	CONDENSATE
CS	CARBON STEEL
CW	COLD WATER
D	DRAIN
DCW	DOMESTIC COLD WATER
DEG	DEGREE
DHWR	DOMESTIC HOT WATER RETURN
DHWS	DOMESTIC HOT WATER SUPPLY
DIA	DIAMETER
DWH	DOMESTIC WATER HEATER
DWG	DRAWING
(E)	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FP	FIRE PROTECTION
FT	FOOT/FEET
G	GAS
GAL	GALLON
GM	GAS METER
GPF	GALLONS PER FLUSH
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HP	HORSEPOWER
HW	HOT WATER
HZ	HERTZ
IN	INCHES
INS	INSULATION
IWR	INDIRECT WASTE RECEPTOR
LBS	POUNDS
MBH	1000 BTUH
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NG	NATURAL GAS
NIC	NOT IN CONTRACT
NFWH	NON FREEZE WALL HYDRANT
NO	NUMBER
P	PLUMBING FIXTURE
PH	PHASE
PSIG	POUNDS PER SQUARE INCH GAUGE
PRV	PRESSURE REDUCING VALVE
PVC	POLYVINYL CHLORIDE
RECIRC	RECIRCULATED
RHW	RECIRCULATED HOT WATER
SAN	SANITARY
SCHD	SCHEDULE
SIM	SIMILAR
SF	SQUARE FEET
SOV	SHUT OFF VALVE
SS	STAINLESS STEEL
TP	TRAP PRIMER
TW	TEMPERED WATER
TYP	TYPICAL
V	VENT, VOLT
VTR	VENT THROUGH ROOF
W	WASTE, WATT
W/	WITH
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR

## PLUMBING SYMBOLS

	AUTOMATIC AIR VENT
	BALL VALVE
	BACKFLOW PREVENTER
	CAP
	CHECK VALVE
	CLEANOUT
	CONNECT TO EXISTING
	ELBOW DOWN
	ELBOW UP OR UP AND DOWN
	FLOOR CLEANOUT
	FLOOR DRAIN
	GAS METER
	GATE VALVE
	STRAINER WITH SCREEN CAP
	STRAINER W/BALL DRAIN VALVE, HOSE THREAD OUTLET AND CAP
	HOSE BIBB
	IN-LINE PUMP
	SLOPE DOWNWARD
	T & P RELIEF VALVE
	THERMOMETER IN WELL
	TEE DOWN
	PRESSURE GAUGE W/ BALL VALVE
	PRESSURE REGULATOR
	REDUCER
	UNION
	VACUUM RELIEF VALVE
	WALL CLEANOUT
	WATER HAMMER ARRESTOR
	WATER METER

## LINETYPES LEGEND

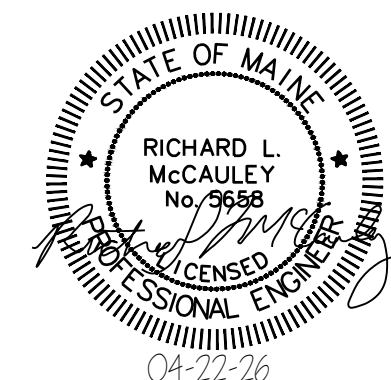
	ITEMS TO BE REMOVED
	COMPRESSED AIR
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER SUPPLY
	DOMESTIC HOT WATER RETURN
	SANITARY SEWER
	SANITARY SEWER (BELOW SLAB)
	VENT

## APPLICABLE CODES AND STANDARDS

- ADA STANDARDS FOR ACCESSIBLE DESIGN, 2010
- ASHRAE 90.1, ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS, 2019
- MUBEC: MAINE UNIFORM BUILDING AND ENERGY CODE, 2021
- UNIFORM PLUMBING CODE 2021, WITH MAINE AMENDMENTS

## GENERAL NOTES

1. GENERAL NOTES, SYMBOLS LIST AND DETAILS ARE APPLICABLE TO DRAWINGS MARKED P-# AND PD#.
2. DRAWINGS ARE DIAGRAMMATIC; DETERMINE LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD.
3. AREA FLOOR DRAINS AND SANITARY DRAIN CLEAN-OUTS MUST BE BY THE SAME MANUFACTURER FOR CONSISTENCY.
4. COORDINATE WORK WITH TRADES INVOLVED. PROVIDE OFFSETS IN PIPING AND TRANSITIONS AROUND OBSTRUCTIONS AT NO ADDITIONAL COST TO THE OWNER.
5. VERIFY EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. VERIFY AND PROVIDE PIPE TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE DIMENSIONS BEFORE FABRICATION.
6. PROVIDE ACCESS PANELS, WHERE REQUIRED, TO SERVICE VALVES AND CONCEALED PLUMBING EQUIPMENT.
7. INSTALL EQUIPMENT AND PIPING AS REQUIRED TO MINIMIZE VIBRATION AND TO FACILITATE EQUIPMENT ACCESS AS REQUIRED BY EQUIPMENT MANUFACTURER.
8. CONTROL WIRE AND CONDUIT MUST COMPLY WITH NEC AND DIVISION 26 SPECIFICATIONS.
9. INSULATE PIPING AS SPECIFIED. PERFORM ANY SPECIFIED TESTING AND INSPECTIONS BEFORE INSULATING.
10. PROVIDE CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS AND GUIDES AS NECESSARY TO PREVENT STRESS ON PIPING.
11. PROVIDE DRAIN VALVES AT LOW POINTS. THIS INCLUDES LOW POINTS IN COMPRESSED AIR SYSTEM PIPING TO ACCOMMODATE DRAINING MOISTURE IN LINES.
12. PITCH DRAINAGE PIPING A MINIMUM OF 1/4" PER FOOT IN DIRECTION OF FLOW FOR PIPING NPS 2-1/2 AND SMALLER; 1/8" PER FOOT IN DIRECTION OF FLOW FOR PIPING NPS 3 AND LARGER.
13. PLUMBING EXHAUST VENT ATMOSPHERIC TERMINATIONS MUST BE INSTALLED A MINIMUM OF 10' FROM ANY EXISTING OR NEW MECHANICAL AIR SYSTEM INTAKES.

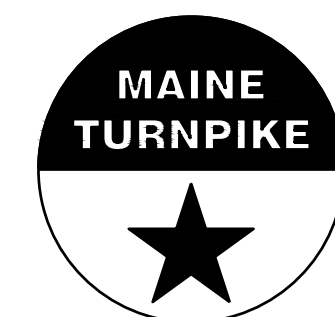


Scale: AS NOTED

Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753



47A York St  
Portland, ME  
04101  
207.553.7753



THE GOLD STAR  
MEMORIAL HIGHWAY

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
PLUMBING GENERAL NOTES, ABBREVIATIONS  
AND LEGENDS

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

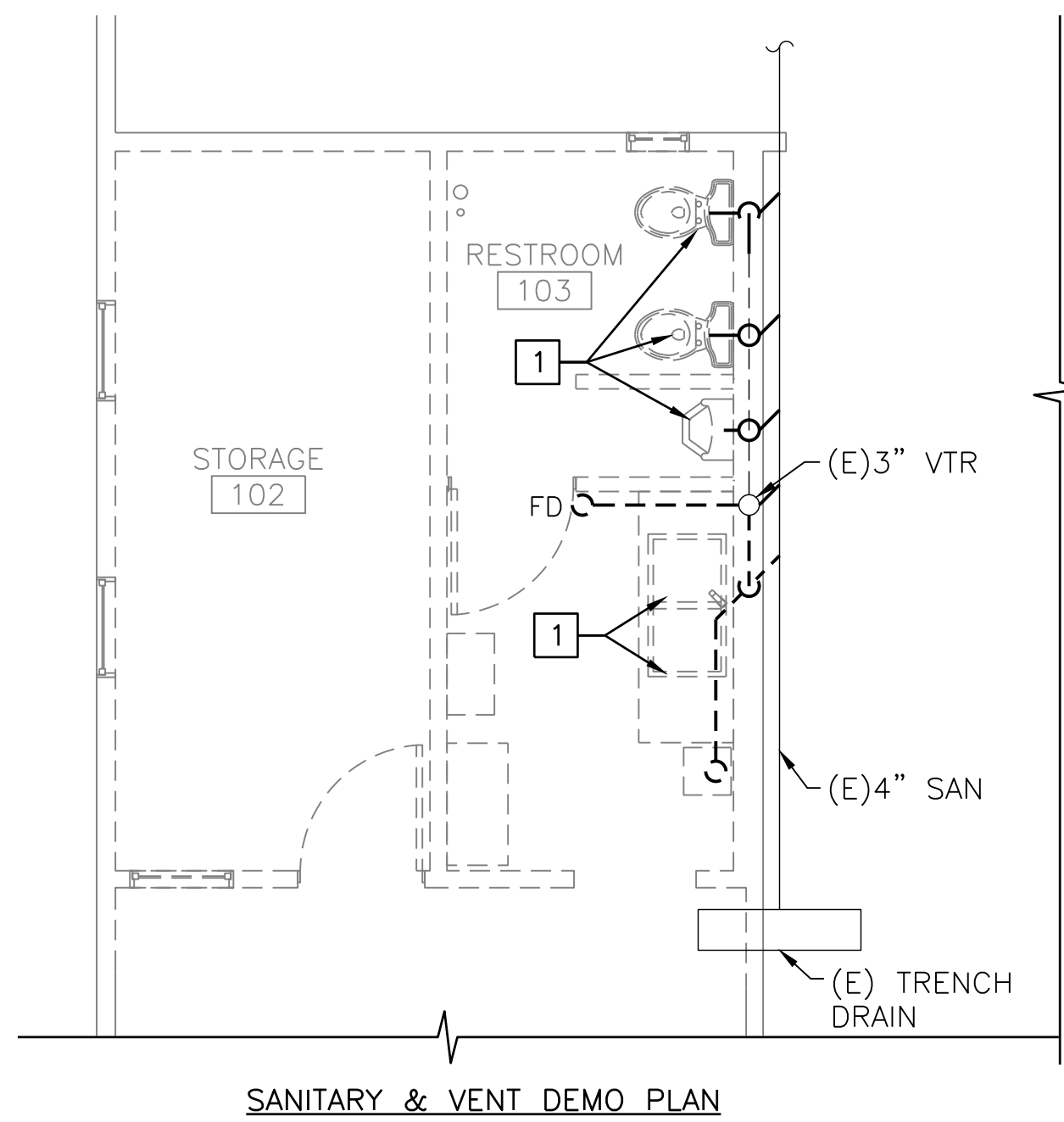
CONSULTANT PROJECT MANAGER: MIKE KELLEY					
	By	Date	By	Date	
Designed	AMV	04/17/26	Checked	RLM	04/17/26
Drawn	MBD	04/17/26	In Charge of	MJK	04/17/26

MTA PROJECT MANAGER: JACQUELINE HANSEN

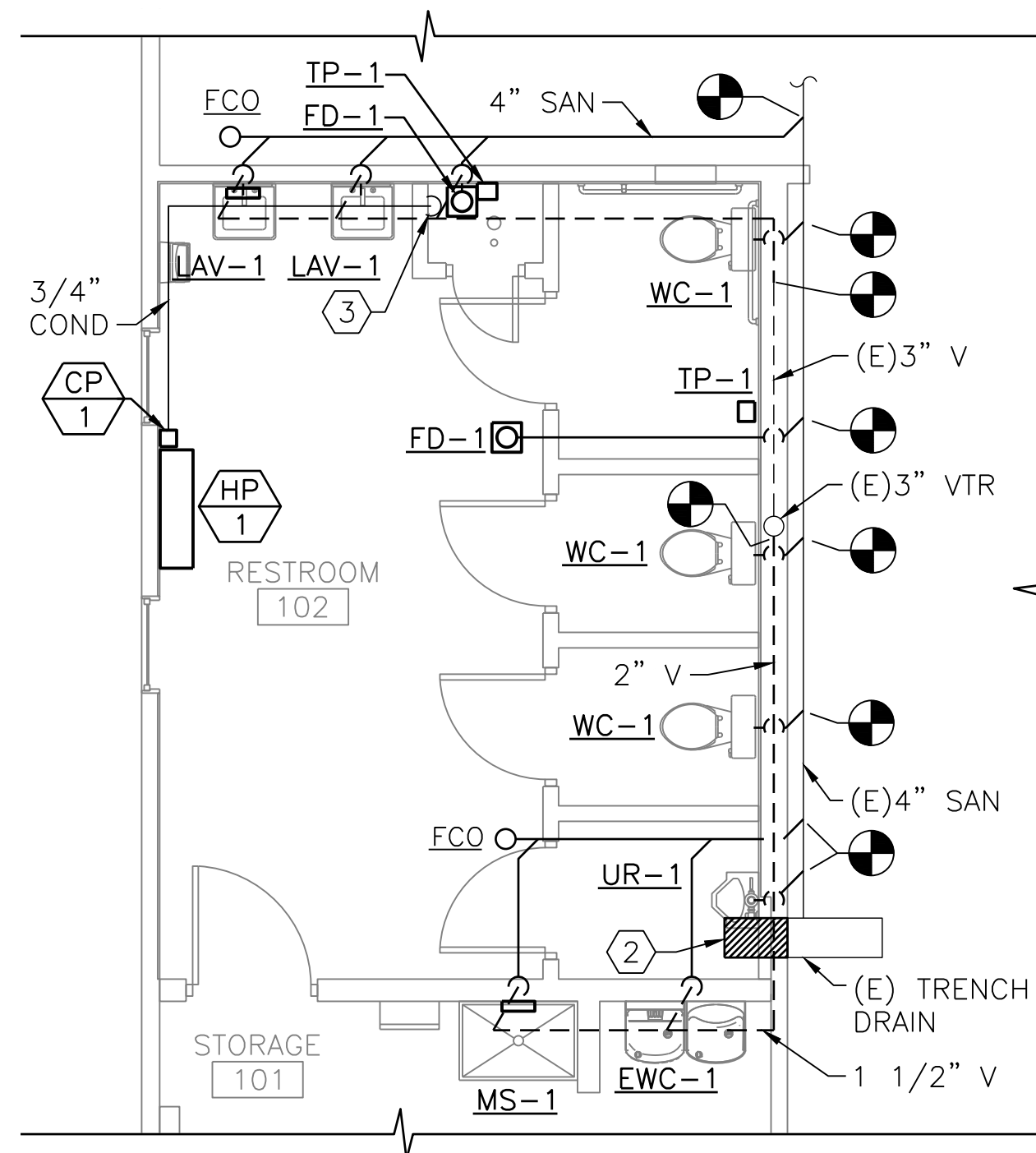
CONTRACT: 2026.08

SHEET NUMBER: P-001

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SANITARY & VENT DEMO PLAN



SANITARY & VENT PLAN

**NOTES:**

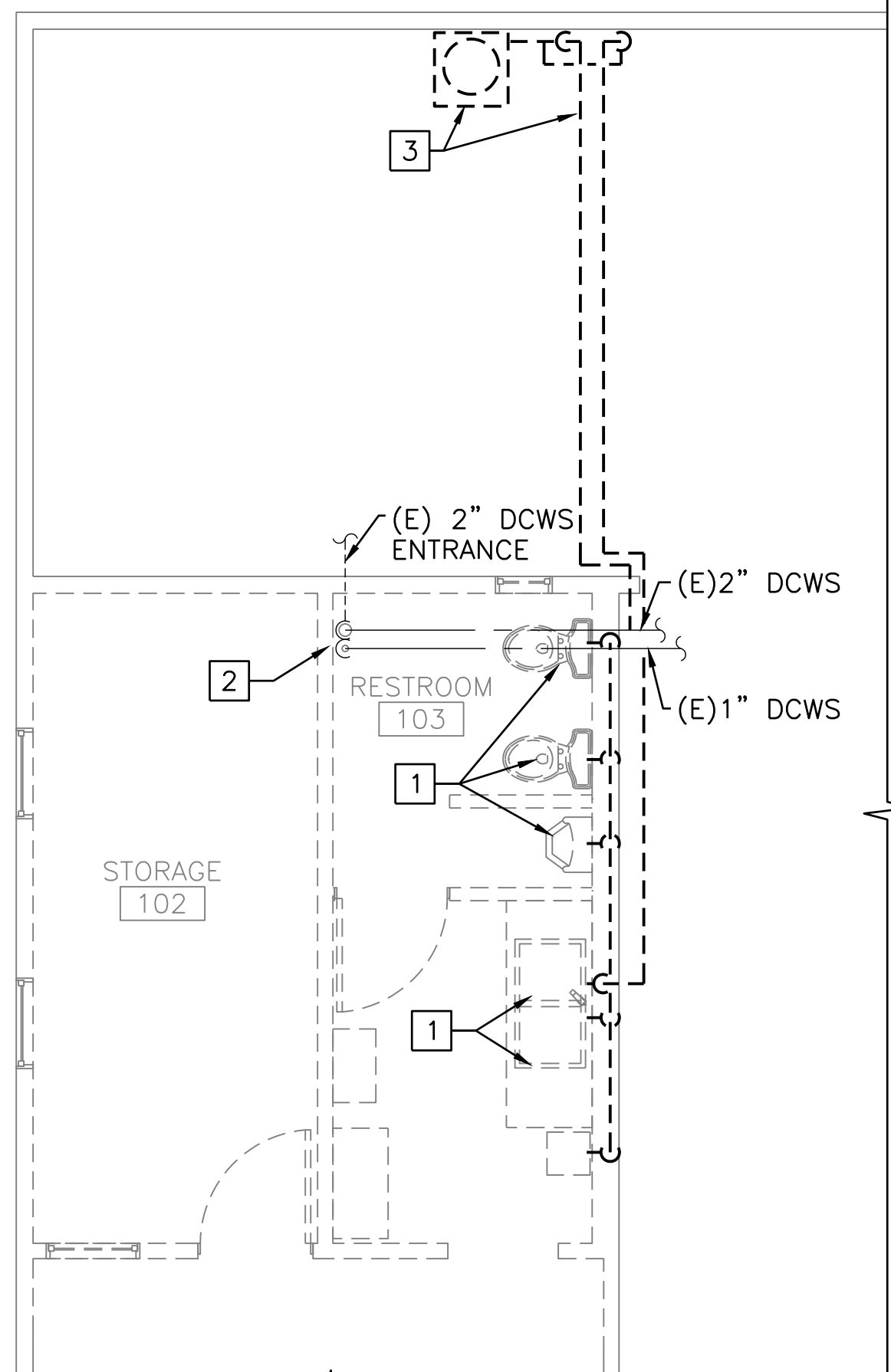
- SEE M-001 FOR GENERAL NOTES, ABBREVIATIONS, AND LEGENDS

**KEYED NOTES:**

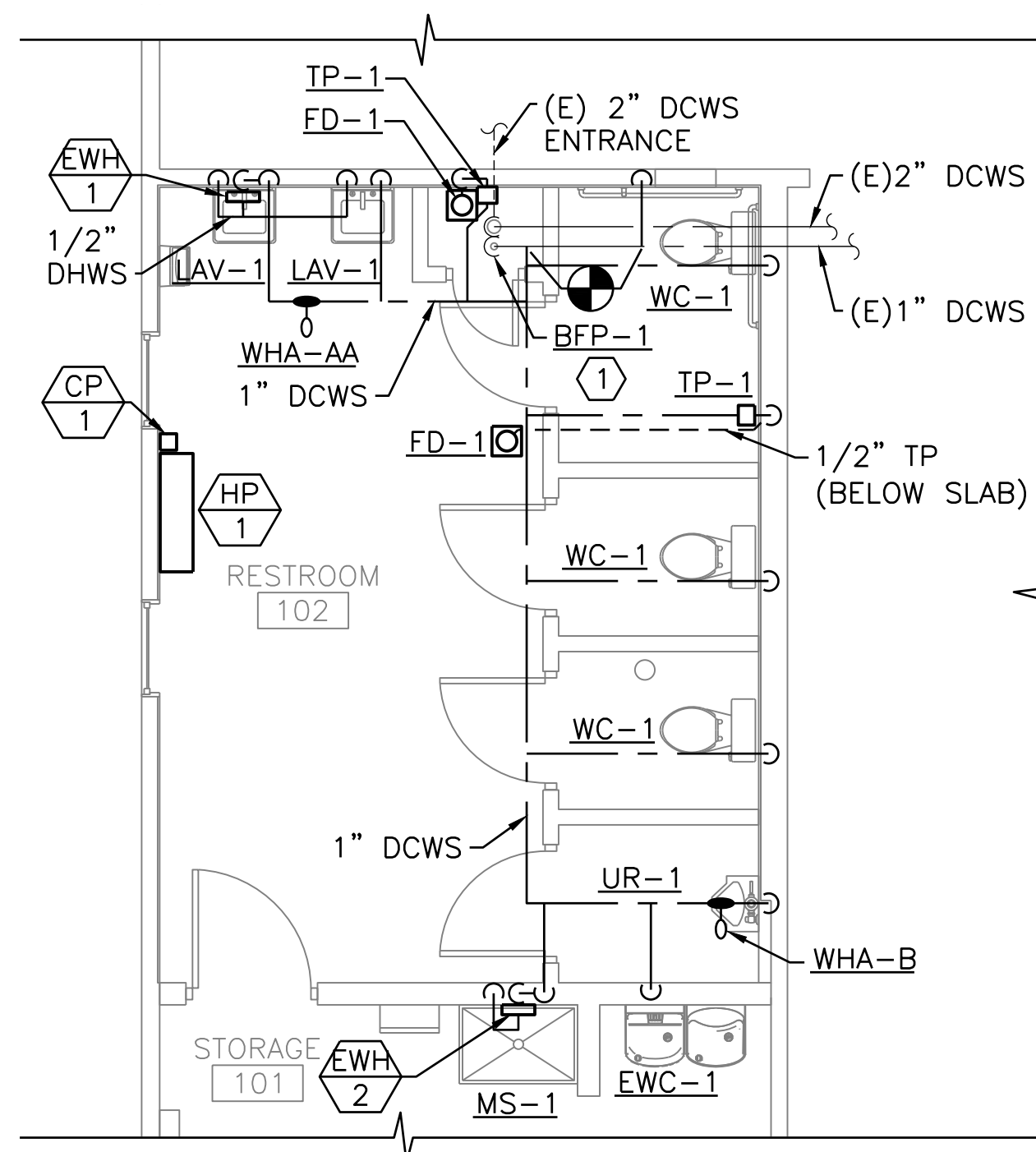
- INSTALL BFP-1 IN VERTICAL PORTION OF 2" DCWS PIPE WITH BOTTOM OF BFP AT APPROXIMATELY 18 INCHES AFF. CONNECT TOP AND BOTTOM OF ASSEMBLY TO EXISTING 2" DCWS PIPING.
- PROVIDE 3/16" GALVANIZED STEEL PLATING TO COVER TRENCH IN RESTROOM & UNDER WALL. SEAL WATER TIGHT.
- 3/4" COND TO IDW AT FD-1, SEE DETAIL 3/P-501

**DEMOLITION KEYED NOTES:**

- REMOVE FIXTURE AND ASSOCIATED DOMESTIC WATER, SANITARY, AND VENT PIPING BACK TO MAINS AND CAP.
- REMOVE VERTICAL PORTION OF DOMESTIC WATER PIPING FROM APPROXIMATELY 4 INCHES AFF TO APPROXIMATELY 4 FEET AFF TO ACCOMMODATE INSTALLATION OF BACKFLOW PREVENTER ASSEMBLY.
- REMOVE EWH & ASSOCIATED PIPING, POWER & CONTROLS.



DOMESTIC WATER DEMO PLAN



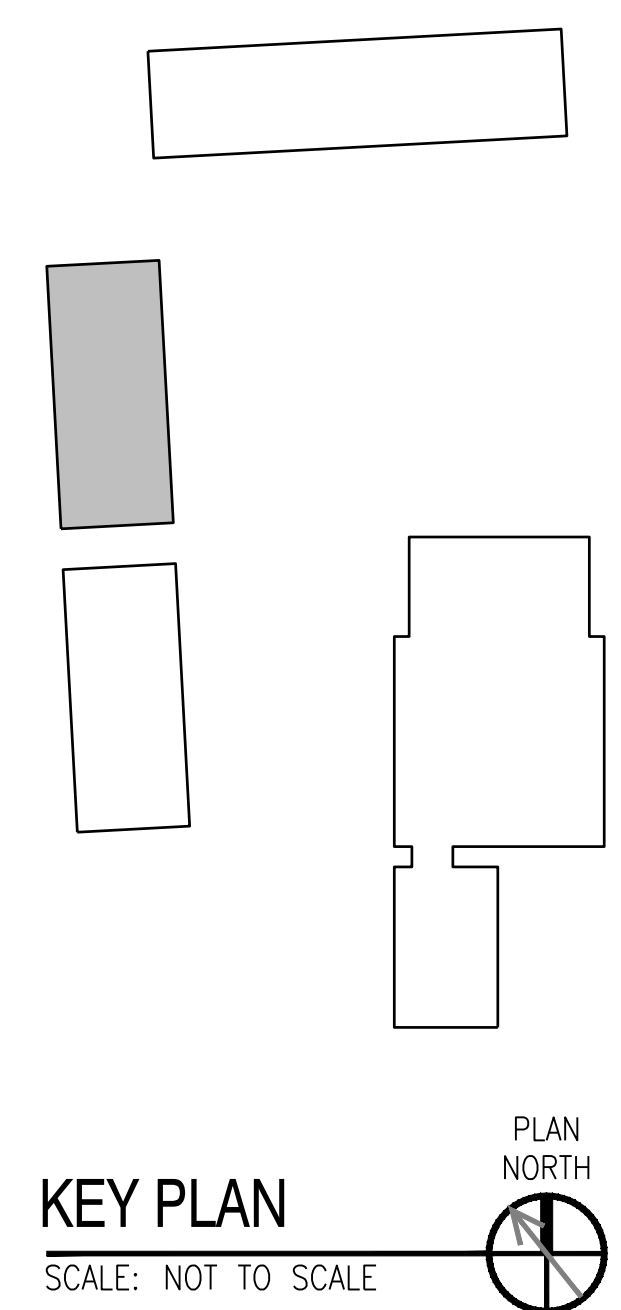
DOMESTIC WATER PLAN

**BAY 8 NORTH RESTROOM DEMOLITION PLANS**

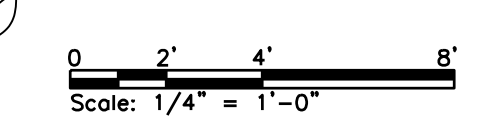
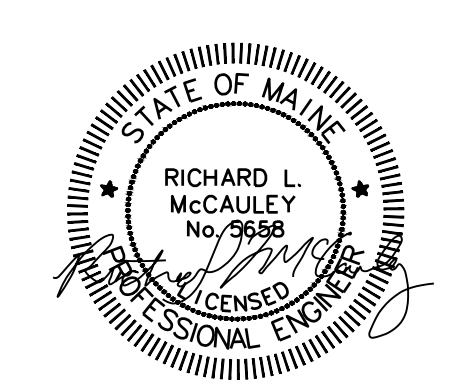
SCALE: 1/4" = 1'-0"

**BAY 8 NORTH RESTROOM PLUMBING PLAN**

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



KEY PLAN  
SCALE: NOT TO SCALE

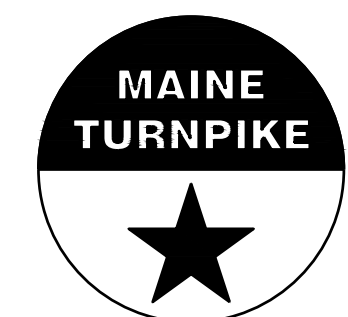


Scale: AS NOTED			
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0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753			
CONSULTANT PROJECT MANAGER: MIKE KELLEY			
	By	Date	
Designed	AMV	04/17/26	Checked
Drawn	MBD	04/17/26	In Charge of
			By
			RLM
			Date
			04/17/26
			By
			MJK
			Date
			04/17/26



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04101  
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**THE GOLD STAR  
MEMORIAL HIGHWAY**

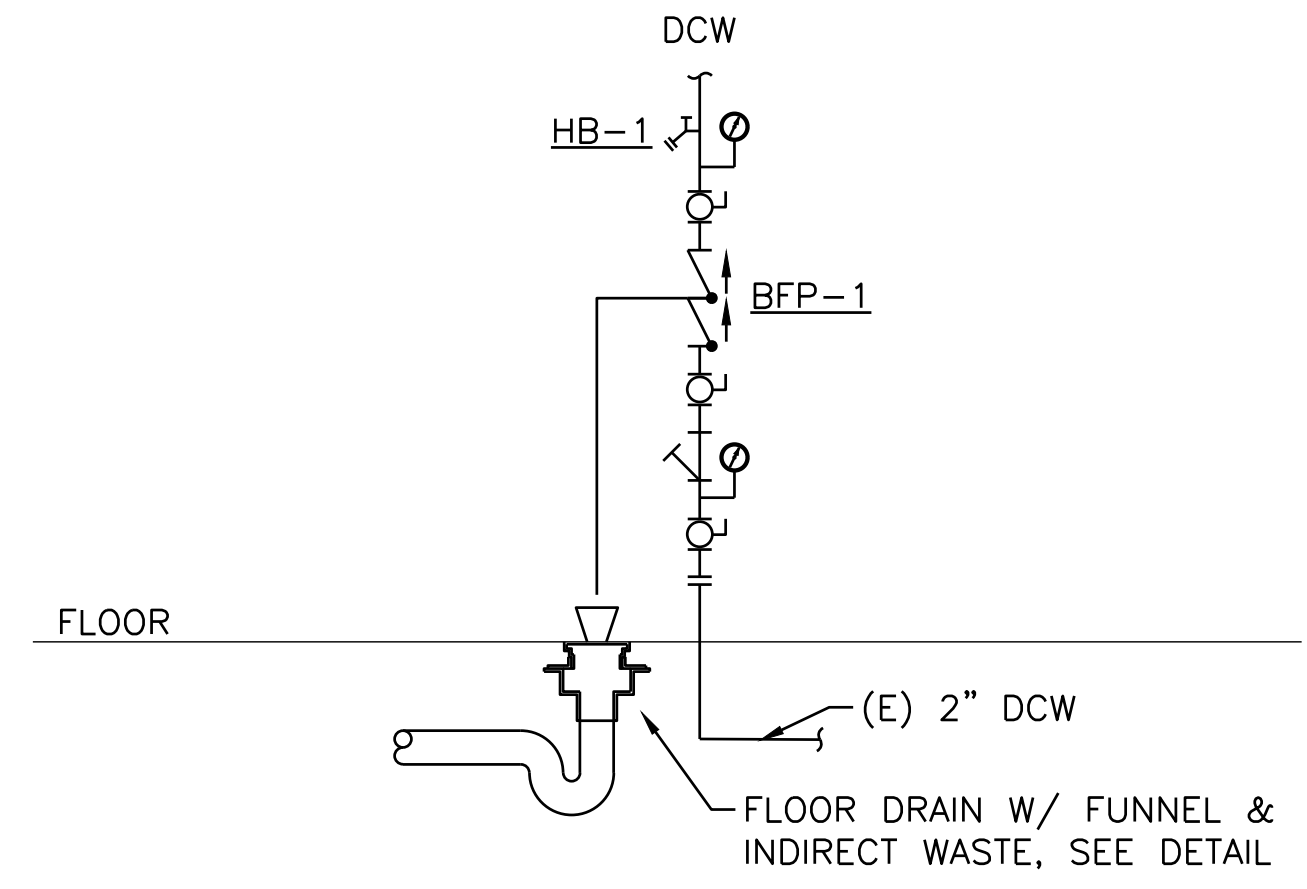
MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
PLUMBING FLOOR PLANS**

CONTRACT: 2026.08

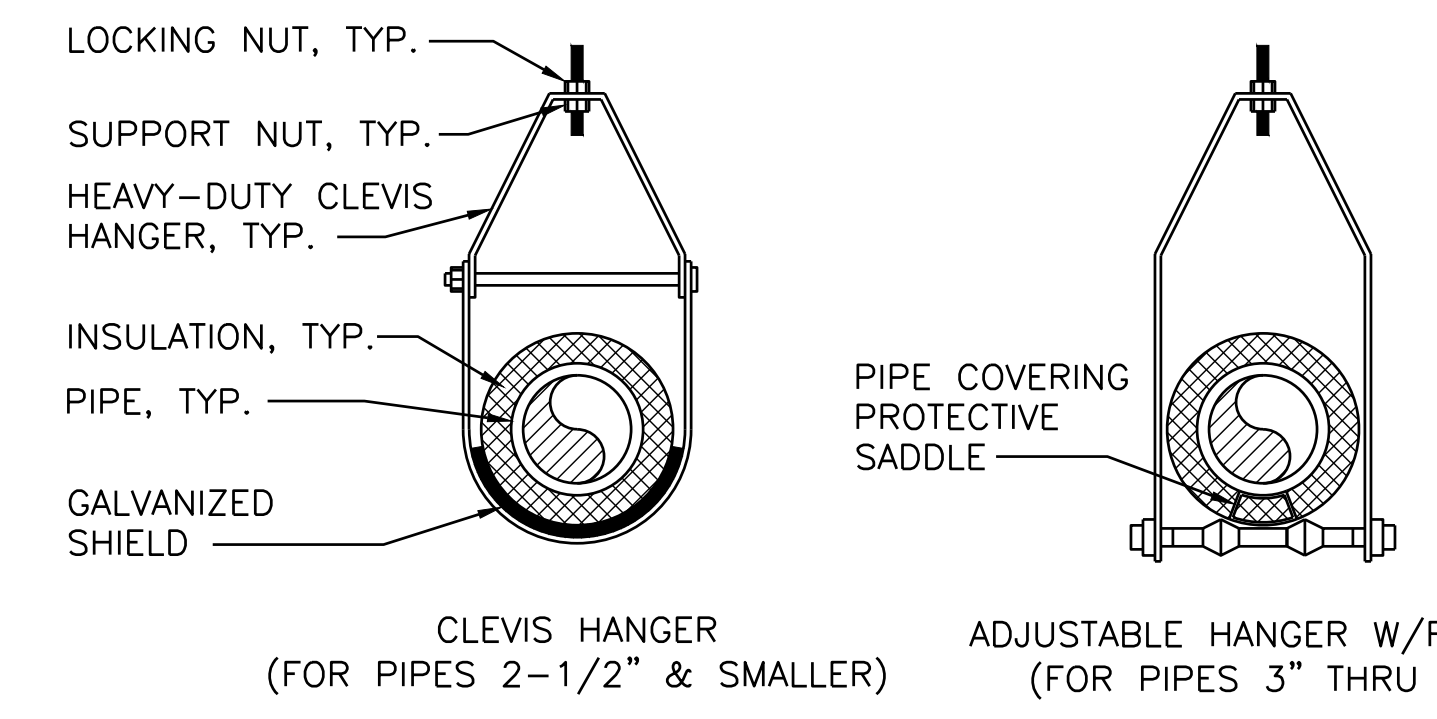
SHEET NUMBER: P-101

46 OF 62



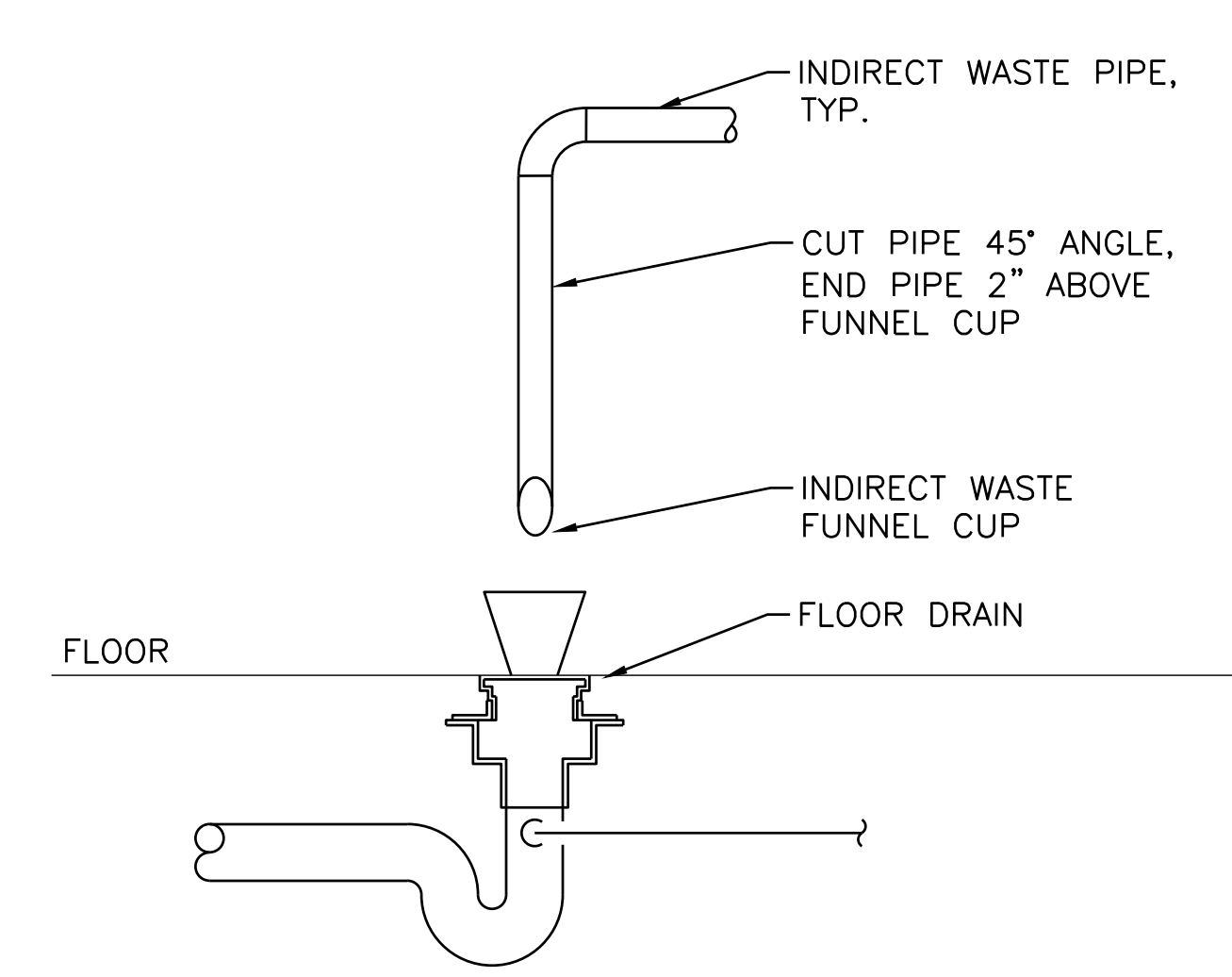
**NOTE:**  
 COORDINATE BACKFLOW PREVENTERS/WATER ENTRANCE WITH CIVIL/SITE DWGS,  
 FP DWGS. FP ENTRANCE IS SEPARATE FROM DOMESTIC WATER ENTRANCE.

1 DOMESTIC WATER SUPPLY ENTRANCE SCHEMATIC  
 P-501 SCALE: NTS

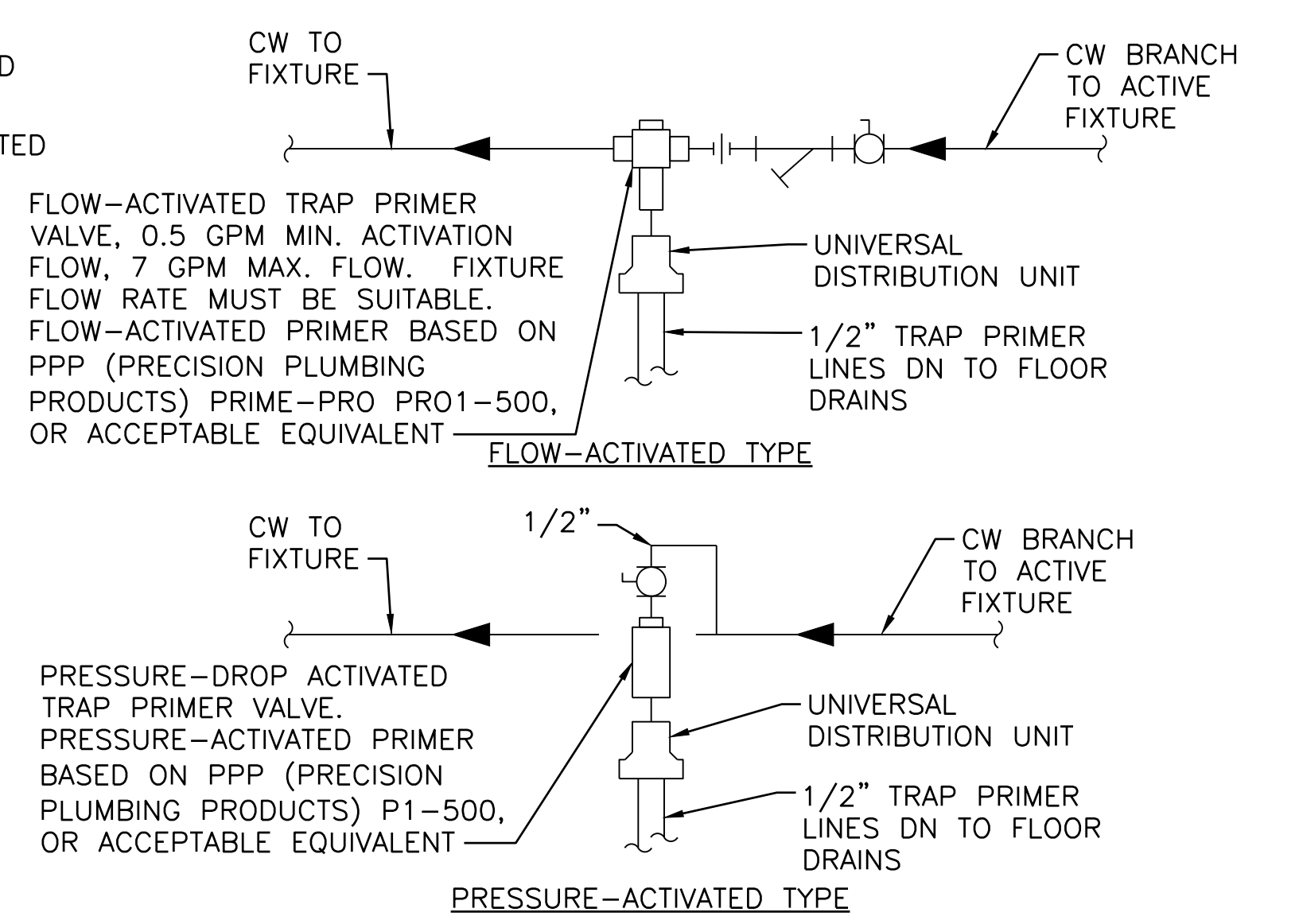
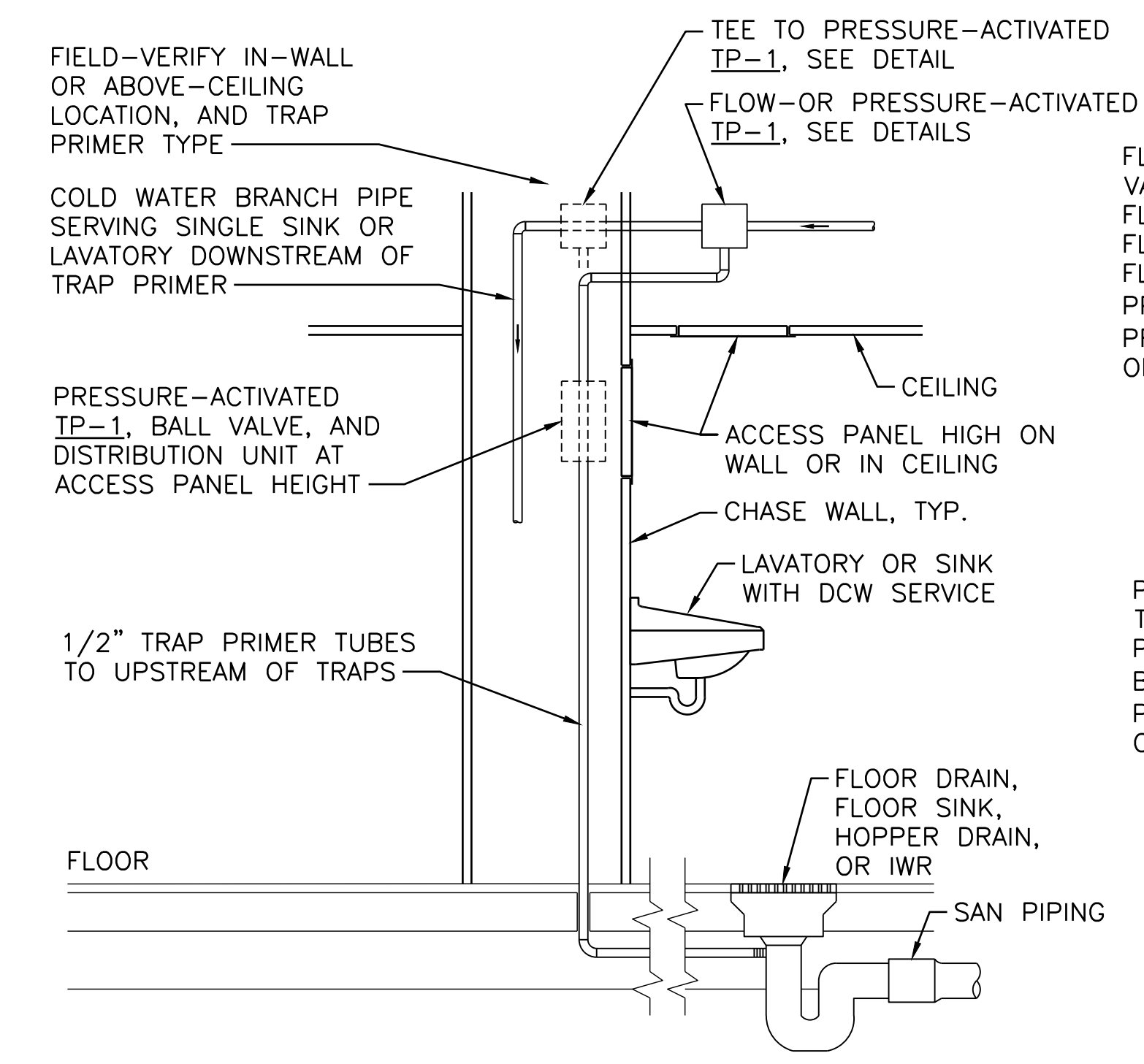


**NOTE:**  
 1. WASH BAY HANGERS & SUPPORTS MUST BE OF MATERIALS APPROVED FOR  
 A CORROSIVE ENVIRONMENT; ISOLATE DISSIMILAR METALS WITH DIELECTRIC  
 MATERIALS TO PREVENT GALVANIC CORROSION.

2 PIPE HANGER ATTACHMENTS DETAIL  
 P-501 SCALE: NTS

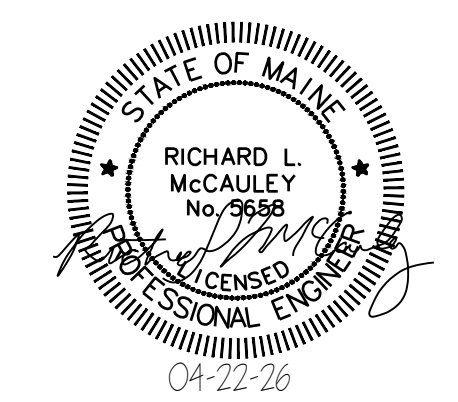


3 INDIRECT WASTE PIPING DETAIL  
 P-501 SCALE: NTS



**NOTE:**  
 1. PROVIDE WATER TRAP PRIMERS, AND PRIMER FITTINGS ON TRAP  
 INLETS, AT FLOOR DRAINS AND SIMILAR DRAINS SUCH AS  
 HOPPER DRAINS AND FLOOR SINKS, AND INDIRECT WASTE  
 RECEPTORS. MECHANICAL INSERT-TYPE TRAP-SEAL  
 PROTECTION DEVICES IF INDICATED ARE INTENDED TO  
 SUPPLEMENT BUT NOT REPLACE WATER TRAP PRIMERS.  
 2. LOCATE TRAP PRIMERS SO ACCESS PANELS DO NOT INTERFERE  
 WITH MIRRORS AND OTHER ARCHITECTURAL ACCESSORIES

4 TRAP PRIMER DETAIL  
 P-501 SCALE: NTS

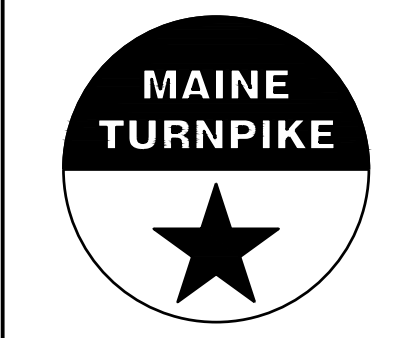


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Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753			
CONSULTANT PROJECT MANAGER: MIKE KELLEY			
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47A York St  
 Portland, ME  
 04101  
 207.553.7753



THE GOLD STAR  
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KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
 MAINE TURNPIKE AUTHORITY

PLUMBING DETAILS

SHEET NUMBER: P-501  
 CONTRACT: 2026.08  
 47 OF 62

MTA PROJECT MANAGER: JACQUELINE HANSEN

### PLUMBING FIXTURE SCHEDULE

TAG	TYPE	BRANCH SIZES (IN)					MANUFACTURER	MODEL	COLOR	MOUNTING HEIGHT	DESCRIPTION	FAUCETS AND VALVES	ACCESSORIES	NOTES
		CW	HW	TW	WASTE	VENT								
EWC-1	ELECTRIC WATER COOLER	1/2	-	-	1-1/2	1-1/2	ELKAY	LZSTL8WSSK, WITH ZURN Z1225-BL		SEE ARCHITECTURAL	BI-LEVEL, VERSATILE ARRANGEMENT, STAINLESS STEEL, FILTERED, BOTTLE FILLER, 8 GPH. POWER 370 W & 6.0 FLA AT 115V/1PH/60HZ.		ZURN Z1225 PLATE-TYPE FLOOR-SUPPORTED CARRIER.	
FCO	FLOOR CLEANOUT	-	-	-	-	-	ZURN	ZB-1400-BZ1-BP	-	-	CAST IRON BODY, ROUND ADJUSTABLE MEDIUM-DUTY POLISHED BRONZE TOP, THREADED BRONZE OR BRASS PLUG.			
FD-1	FLOOR DRAIN	-	-	-	2	1-1/2	ZURN	Z415B-P	-	-	CAST IRON BODY WITH ADJUSTABLE COLLAR & MEMBRANE CLAMP, 7-IN. DIA LIGHT-DUTY ADJUSTABLE ROUND NICKEL BRONZE STRAINER, TRAP PRIMER CONNECTION.			
HB-1	HOSE BIBB	3/4	-	-	-	-	WOODFORD	65	-	-	KEYED WALL FAUCET WITH INTEGRAL ANTI SIPHON BACKFLOW PREVENTER, 3/4" THREADED INLET. FINISH: CHROME.			
LAV-1	LAVATORY	1/2	1/2	-	1-1/2	1-1/2	AMERICAN STANDARD	9024.004EC	WHITE	SEE ARCHITECTURAL	WALL HUNG VITREOUS CHINA LAVATORY WITH REAR OVERFLOW, SELF DRAINING DECK, DRAIN GRID, 4" CENTERSET FAUCET.	AMERICAN STANDARD 7075.200 4" CENTERSET FAUCET, METAL LEVER HANDLES WITHOUT PLUG BUTTON.	WATTS LFUSG-B-1C-SC M2 UNDER SINK THERMOSTATIC MIXING VALVE WITH SATIN CHROME FINISH. QUICK CONNECT FITTINGS AND INTEGRAL DUAL CHECK VALVES. LEAD FREE BRASS BODY CONSTRUCTION, INTEGRAL 40 MESH STRAINER.	
MS-1	MOP SINK	3/4	3/4	-	3	2	STERN WILLIAMS	MTB-3624	TERRAZZO	-	TERRAZZO MOP BASIN, 36"X24"X10" HIGH, SS STRAINER, 3" OUTLET.	CHICAGO FAUCETS 897-CCP HOSE-THREADED FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS, WALL BRACE, AND BUCKET HOOK.	VINYL BUMPER GUARDS ON EXPOSED SIDES. STAINLESS STEEL WALL GUARDS. HOSE AND WALL HOOK.	
TP-1	TRAP PRIMER	1/2	-	-	-	-	PPP	P2-500	-	-	PRESSURE-OPERATED TRAP PRIMER, THREADED.			
UR-1	URINAL	3/4	-	-	2	1-1/2	SLOAN	SU-1009	WHITE	SEE ARCHITECTURAL	WALL-MOUNT SIDE-SHIELD URINAL, 0.125 GPF, OUTLET STRAINER, AUTOMATIC FLUSH VALVE.	SLOAN ROYAL 186 FLUSHOMETER.	ZURN Z1222 CARRIER WITH LOWER BEARING PLATE.	
WC-1	WATER CLOSET	1	-	-	4	2	AMERICAN STANDARD	215AA.104	WHITE	SEE ARCHITECTURAL	CADET PRO RIGHT HEIGHT ELONGATED FLOOR MOUNT FLUSH TANK TOILET, 1.28 GPF, LEFT TRIP LEVER, TANK COVER LOCKING DEVICE.		AMERICAN STANDARD 5901.100SS ELONGATED HEAVY DUTY OPEN FRONT SEAT, WHITE, WITHOUT COVER, WITH SELF-SUSTAINING HINGE.	-

NOTES:  
1.  
2.  
3.

### INSTANTANEOUS ELECTRIC WATER HEATER SCHEDULE

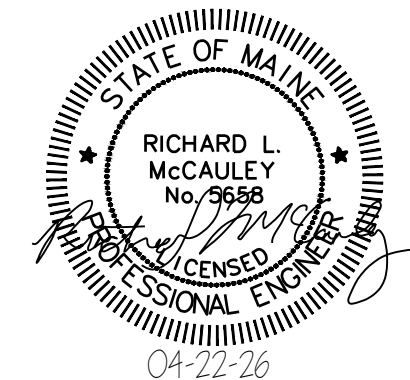
TAG	LOCATION	SERVES	INPUT (W)	SETPOINT (DEG. F)	UNIT ELECTRICAL			MANUFACTURER	MODEL	NOTES
					VOLTAGE (V/PH/HZ)	FLA (AMPS)	MOPD (AMPS)			
EWH-1	RESTROOM	LAVATORY	6,500	115	208/1/60	27	30	RHEEM	RTEX-6.5	1-3
EWH-2	MOP SINK	MOP SINK	3,500	115	120/1/60	29	30	RHEEM	RTEX-3.5	1-3

NOTES:  
1. TANKLESS DESIGN WITH NO INTERNAL WATER STORAGE.  
2. INTEGRAL FLOW SENSOR TO ACTIVATE HEATER AT 0.25 GPM.  
3. PROVIDE WALL MOUNTING BRACES. FIELD-FURNISH WALL BLOCKING AND STAINLESS STEEL FASTENERS.

### BACKFLOW PREVENTER SCHEDULE

TAG	LOCATION	SERVES	SYSTEM CONNECTION (IN)	FLOW (GPM)	PRESSURE DROP (PSI)	VELOCITY (FEET PER SECOND)	MANUFACTURER	MODEL	NOTES
BFP-1	MECH RM	DOMESTIC	2	80	13	7.5	WATTS	LF009M2QT	1,2

NOTES:  
1. WITH BALL VALVES, STRAINER WHERE INDICATED, AIR GAP FITTING, AND DRAIN ELBOW  
2. PIPE ATMOSPHERIC VENT TO FLOOR DRAIN WITH AIR GAP



Scale: AS NOTED

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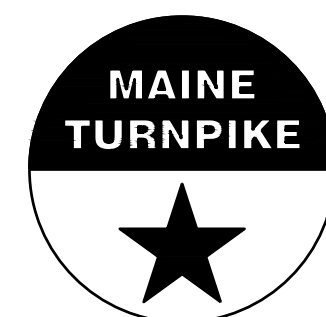
CONSULTANT PROJECT MANAGER: MIKE KELLEY

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

By	Date	By	Date
Designed AMV	04/17/26	Checked RLM	04/17/26
Drawn MBD	04/17/26	In Charge of MJK	04/17/26



47A York St  
Portland, ME  
04101  
207.553.7753



THE GOLD STAR  
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: JACQUELINE HANSEN

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
  
PLUMBING SCHEDULES

SHEET NUMBER: P-601

CONTRACT: 2026.08

48 OF 62

## ABBREVIATIONS

A	AMP
AC	AIR CONDITIONER
ACS	ACCESS
AFF	ABOVE FINISHED FLOOR
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CA	COMPRESSED AIR
CF	CEILING FAN
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	COOLING
CO	CLEANOUT
CW	COLD WATER
DB	DRY BULB
DC	DUST COLLECTOR
DEG.	DEGREE
DIA, Ø	DIAMETER
DN	DOWN
DP,DPS	DIFFERENTIAL-PRESSURE SENSOR
(E)	EXISTING TO REMAIN
EA	EACH, EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
ERV	ENERGY RECOVERY VENTILATOR
ESP	EXTERNAL STATIC PRESSURE
EUH	ELECTRIC UNIT HEATER
EW	ENTERING WATER TEMPERATURE
F	FAN, FAHRENHEIT
FLA	FULL LOAD AMPS
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET
GA	GAUGE
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HEAT PUMP, HORSEPOWER
HR	HOUR
HTG	HEATING
HV	HEATING & VENTILATING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HZ	HERTZ
IN	INCHES
LAT	LEAVING AIR TEMPERATURE
LB	POUND
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	1000 BTU PER HOUR
MCP	MAIN CONTROL PANEL
MIN	MINIMUM
MOP	MAXIMUM OVERCURRENT PROTECTION
NEC	NATIONAL ELECTRICAL CODE
NO	NUMBER
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PT	PRESSURE TRANSMITTER
QTY	QUANTITY
RA	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
T	TEMPERATURE SENSOR, THERMOSTAT
THK	THICK
TYP	TYPICAL
VFD	VARIABLE FREQUENCY DRIVE
W/	WITH

## DUCTWORK SYMBOLS

	RETURN/EXHAUST DUCT UP
	RETURN/EXHAUST DUCT DOWN
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RISE(R) OR DROP(D)
	RADIUS ELBOW
	SQUARE ELBOW W/ TURNING VANES
	OFFSET
	DUCT TRANSITION FROM RECTANGULAR TO ROUND
	BULLHEAD TEE
	TAKE-OFF
	EXHAUST/RETURN
	BULLHEAD SPLIT
	CEILING DIFFUSER OR GRILLE W/ FLEXIBLE DUCT
	FLEXIBLE DUCT
	CEILING SUPPLY DIFFUSER W/ DIRECTION SHOWN BY ARROWS

## MECHANICAL LINETYPE LEGEND

	EXISTING ITEMS TO REMAIN
	ITEMS TO BE REMOVED
	ITEMS TO BE PROVIDED
	HIDDEN ITEMS
	CONTROL WIRING

## MECHANICAL SYMBOLS

	SYMBOL PER ABBREVIATION LIST EQUIPMENT SEQUENCE NUMBER
	DIFFUSER, REGISTER OR GRILLE SEQUENCE NUMBER CFM
	UNIT HEATER
	FAN
	CONNECT TO EXISTING
	LIMIT OF DEMOLITION
	DIRECTION OF AIR FLOW (OUT)
	DIRECTION OF AIR FLOW (IN)
	FIRE DAMPER
	HAND DAMPER ACTUATOR
	IRIS DAMPER
	MANUAL DAMPER, HAND WHEEL
	MOTORIZED DAMPER
	MOTORIZED DAMPER OPPOSED BLADE
	VOLUME DAMPER
	DIFFERENTIAL PRESSURE SENSOR
	DUCT SMOKE DETECTOR
	TEMPERATURE SENSOR
	THERMOSTAT
	VARIABLE-AREA FLOW METER
	WALL SWITCH

## PIPING SYMBOLS

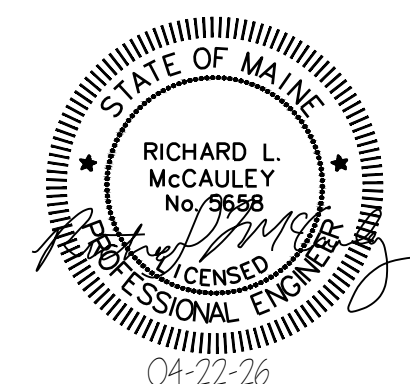
	AUTOMATIC AIR VENT
	BACKFLOW PREVENTER
	BALL VALVE
	BALL DRAIN VALVE W/ HOSE THREAD OUTLET AND CAP
	CHECK VALVE
	CHECK VALVE, SILENT
	COMBINATION FLOW MEASURING/ BALANCING VALVE (CIRCUIT SETTER)
	GATE VALVE
	GLOBE VALVE
	PLUG VALVE
	MANUAL AIR VENT
	PRESSURE GAUGE W/ BALL VALVE
	PRESSURE REDUCING VALVE
	PRESSURE/TEMPERATURE PORT
	PUMP
	SAFETY RELIEF VALVE
	STRAINER WITH SCREEN CAP
	STRAINER W/BALL DRAIN VALVE, HOSE THREAD OUTLET AND CAP
	THERMOMETER IN WELL
	THREE-WAY AUTOMATIC CONTROL VALVE
	TWO-WAY AUTOMATIC CONTROL VALVE
	DIRECTION OF FLOW OF PIPE
	PITCH UP IN DIRECTION OF FLOW
	PITCH DOWN IN DIRECTION OF FLOW
	DRAIN
	END CAP
	FLANGE CONNECTION
	FLEXIBLE CONNECTION
	PIPE ANCHOR
	PIPE GUIDE
	PIPE TEE FROM TOP
	PIPE TEE FROM BOTTOM
	PIPE RISE
	PIPE DROP
	REDUCER (CONCENTRIC)
	REDUCER (ECCENTRIC-FOB OR FOT)
	UNION OR FLANGE, DICTATED BY PIPE SIZE
	VIBRATION ISOLATOR

## APPLICABLE CODES & STANDARDS

- INTERNATIONAL MECHANICAL CODE (2021)
- SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE (2020)

## GENERAL NOTES

- GENERAL NOTES, SYMBOLS LIST AND DETAILS ARE APPLICABLE TO DRAWINGS MARKED M-# AND MD#.
- DRAWINGS ARE DIAGRAMMATIC; DETERMINE LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD.
- COORDINATE WORK WITH THE OTHER TRADES INVOLVED. PROVIDE OFFSETS IN PIPING AND DUCTS (INCLUDING DIVIDED DUCTS) AND TRANSITIONS AROUND OBSTRUCTIONS AT NO ADDITIONAL COST TO THE GOVERNMENT.
- VERIFY EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. VERIFY AND PROVIDE DUCT TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE DIMENSIONS BEFORE FABRICATION.
- PROVIDE ACCESS PANELS, WHERE REQUIRED, TO SERVICE FIRE DAMPERS, VOLUME DAMPERS, VALVES AND CONCEALED MECHANICAL EQUIPMENT.
- INSTALL EQUIPMENT, PIPING, AND DUCTWORK AS REQUIRED TO MINIMIZE VIBRATION AND TO FACILITATE EQUIPMENT ACCESS AS REQUIRED BY EQUIPMENT MANUFACTURER.
- DUCT SIZES INDICATED ARE INTERNAL CLEAR AIR FLOW DIMENSIONS.
- DIFFUSER SIZES SHOWN ARE NECK SIZES; REGISTER AND GRILLE SIZES ARE NOMINAL.
- PROVIDE FLEXIBLE DUCT CONNECTIONS ON DUCTS CONNECTING TO MOTORIZED AIR MOVING EQUIPMENT. WHERE GROUNDING IS REQUIRED ACROSS FLEXIBLE CONNECTIONS, PROVIDE FLEXIBLE COPPER GROUNDING STRAPS.
- PERFORM TESTS BEFORE INSULATING PIPING AND DUCTWORK.
- PROVIDE CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS AND GUIDES AS NECESSARY TO PREVENT STRESS ON PIPING.
- PITCH CONDENSATE PIPING 1/8" PER FOOT IN DIRECTION OF FLOW.
- PROVIDE VENTS AT HIGH POINTS IN PIPING SYSTEMS AND DRAIN VALVES AT LOW POINTS.
- CONTROL WIRE AND CONDUIT MUST COMPLY WITH NEC AND DIVISION 26 SPECIFICATIONS.
- INSTALL THERMOSTATS AND OTHER OCCUPANT CONTROLS WITH TOPS OF OPERABLE ELEMENTS 48 INCHES AFF FOR ADA ACCESSIBILITY.

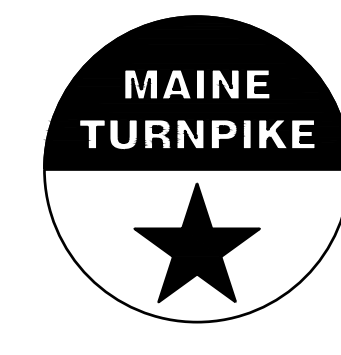


Scale: AS NOTED

Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753



47A York St  
Portland, ME  
04101  
207.553.7753



THE GOLD STAR  
MEMORIAL HIGHWAY

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
MECHANICAL GENERAL NOTES, ABBREVIATIONS  
AND LEGENDS

SHEET NUMBER: M-001

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

CONSULTANT PROJECT MANAGER: MIKE KELLEY					
	By	Date		By	Date
Designed	AMV	04/17/26	Checked	RLM	04/17/26
Drawn	MBD	04/17/26	In Charge of	MJK	04/17/26

MTA PROJECT MANAGER: JACQUELINE HANSEN

CONTRACT: 2026.08

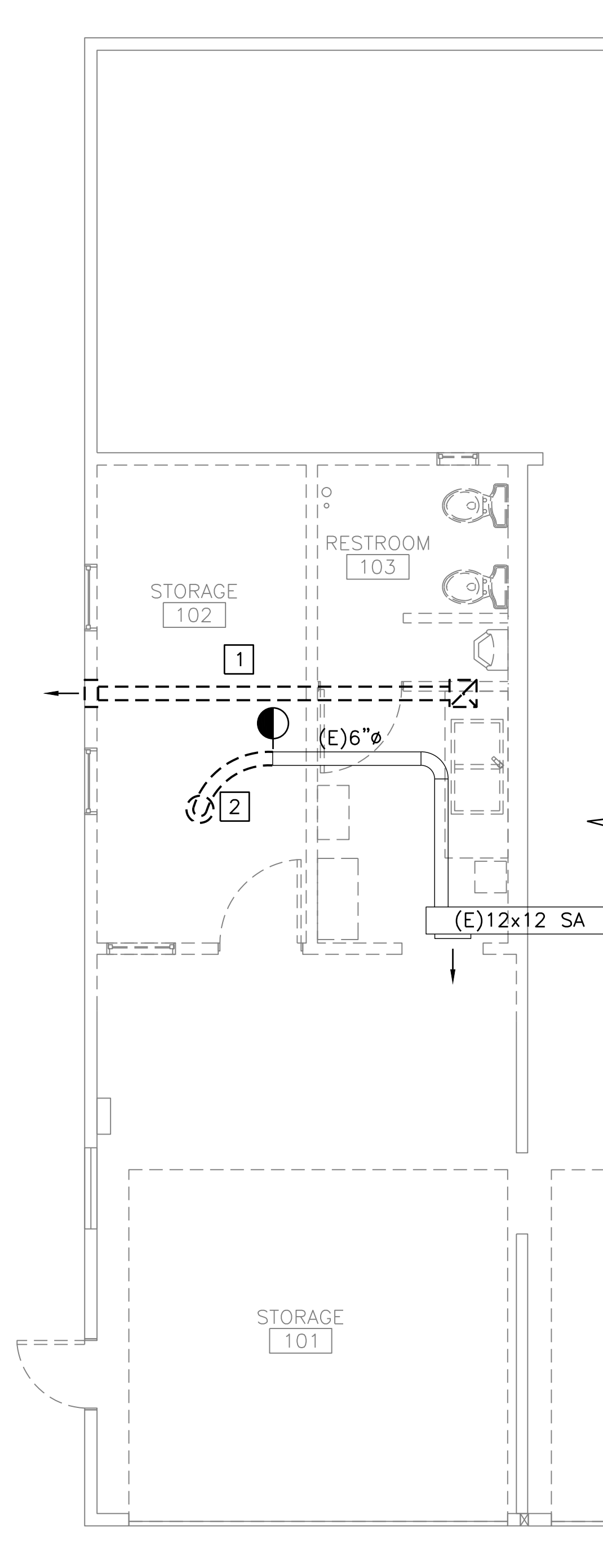
49 OF 62

**NOTES:**

- SEE M-001 FOR GENERAL NOTES, ABBREVIATIONS, AND LEGENDS

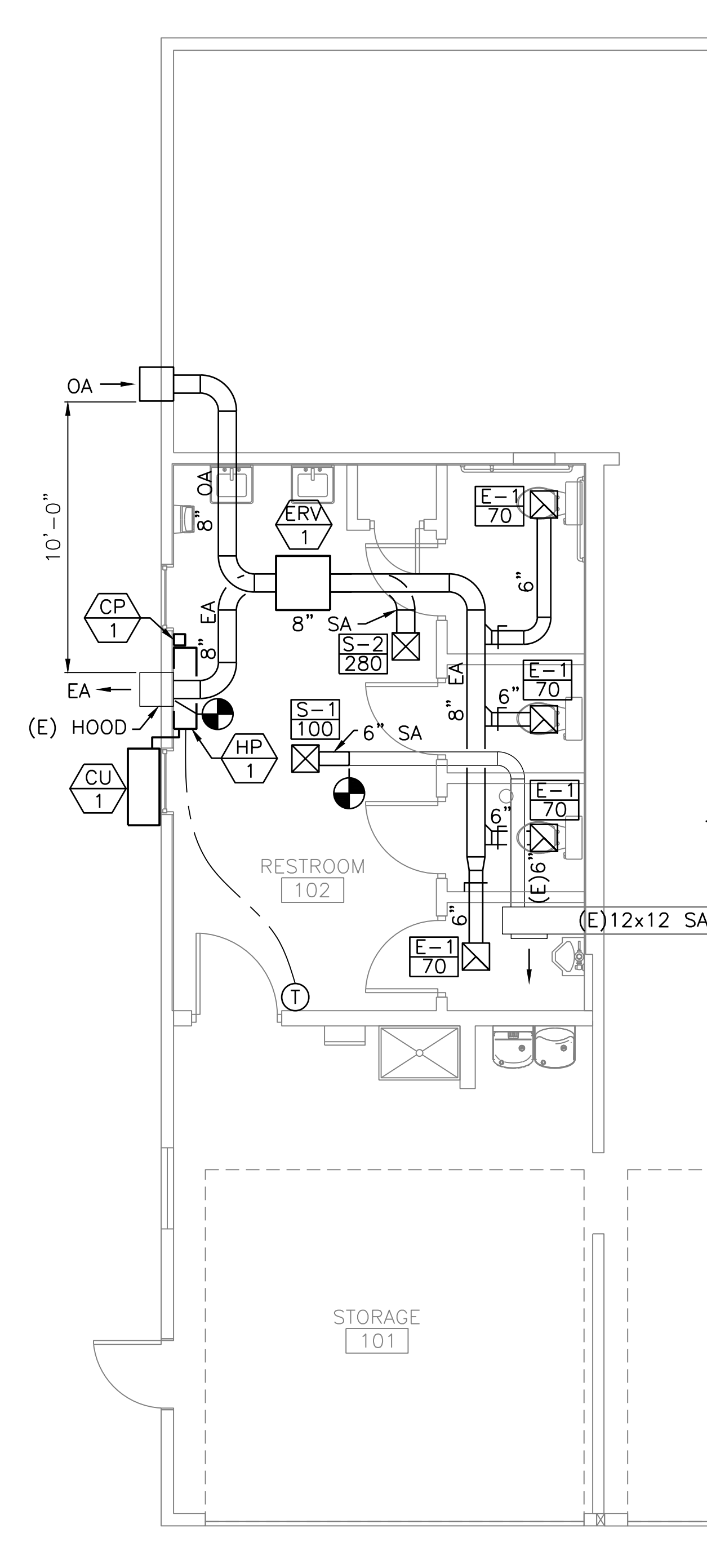
**DEMOLITION KEYED NOTES:**

- REMOVE EXHAUST FAN, DUCT, AND EXHAUST HOOD. RETAIN EXTERIOR WALL OPENING FOR REUSE. SEE MECHANICAL PLAN FOR REPLACEMENT PENETRATION SIZING.
- REMOVE CEILING DIFFUSER AND FLEX DUCT.



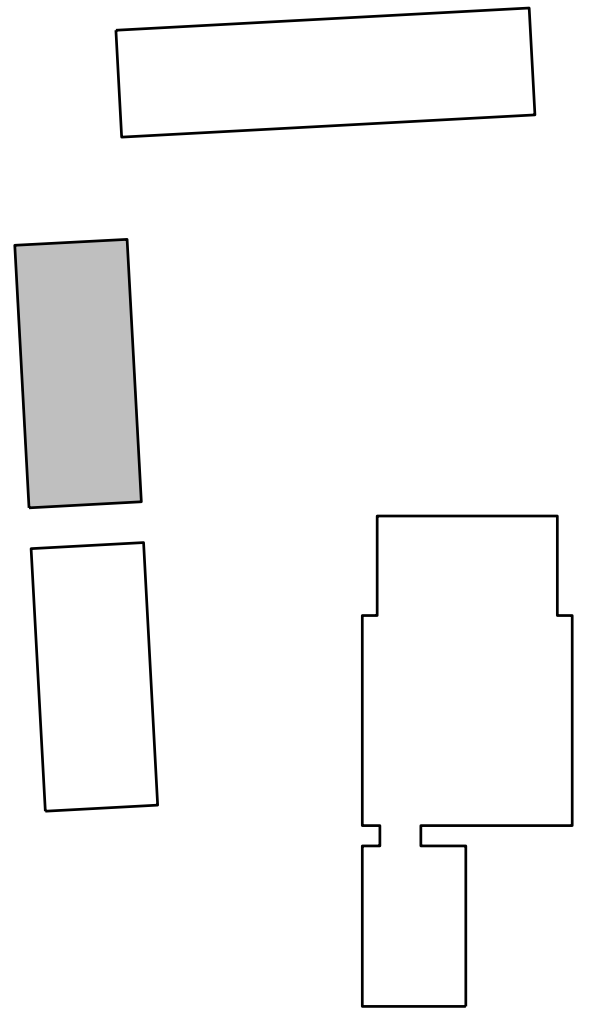
**BAY 8 NORTH RESTROOM  
DEMOLITION PLAN**

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



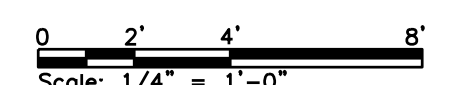
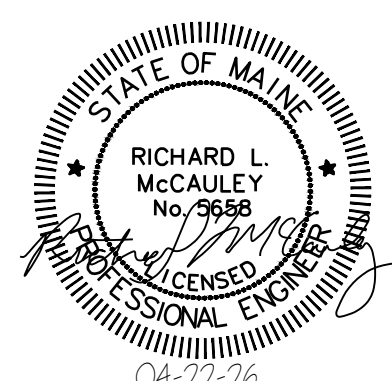
**BAY 8 NORTH RESTROOM  
MECHANICAL PLAN**

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



**KEY PLAN**

SCALE: NOT TO SCALE

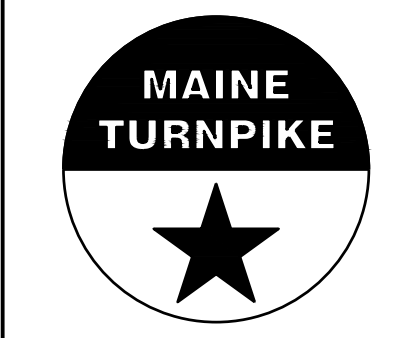


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Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753



47A York St  
Portland, ME  
04101  
207.553.7753



**THE GOLD STAR  
MEMORIAL HIGHWAY**

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
MECHANICAL FLOOR PLANS**

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

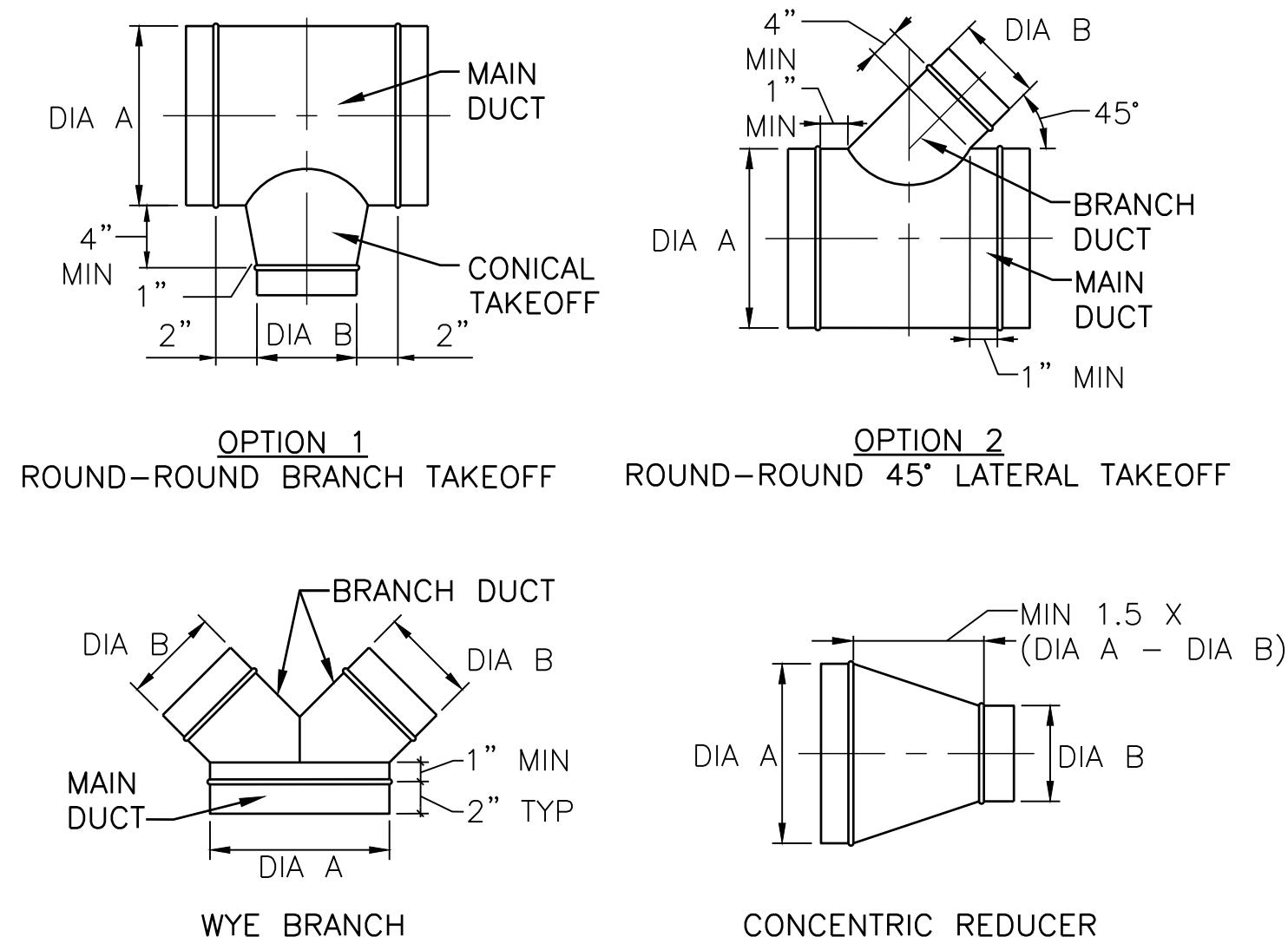
CONSULTANT PROJECT MANAGER: MIKE KELLEY			
	By	Date	
Designed	AMV	04/17/26	Checked
Drawn	MBD	04/17/26	In Charge of

MTA PROJECT MANAGER: JACQUELINE HANSEN

CONTRACT: 2026.08

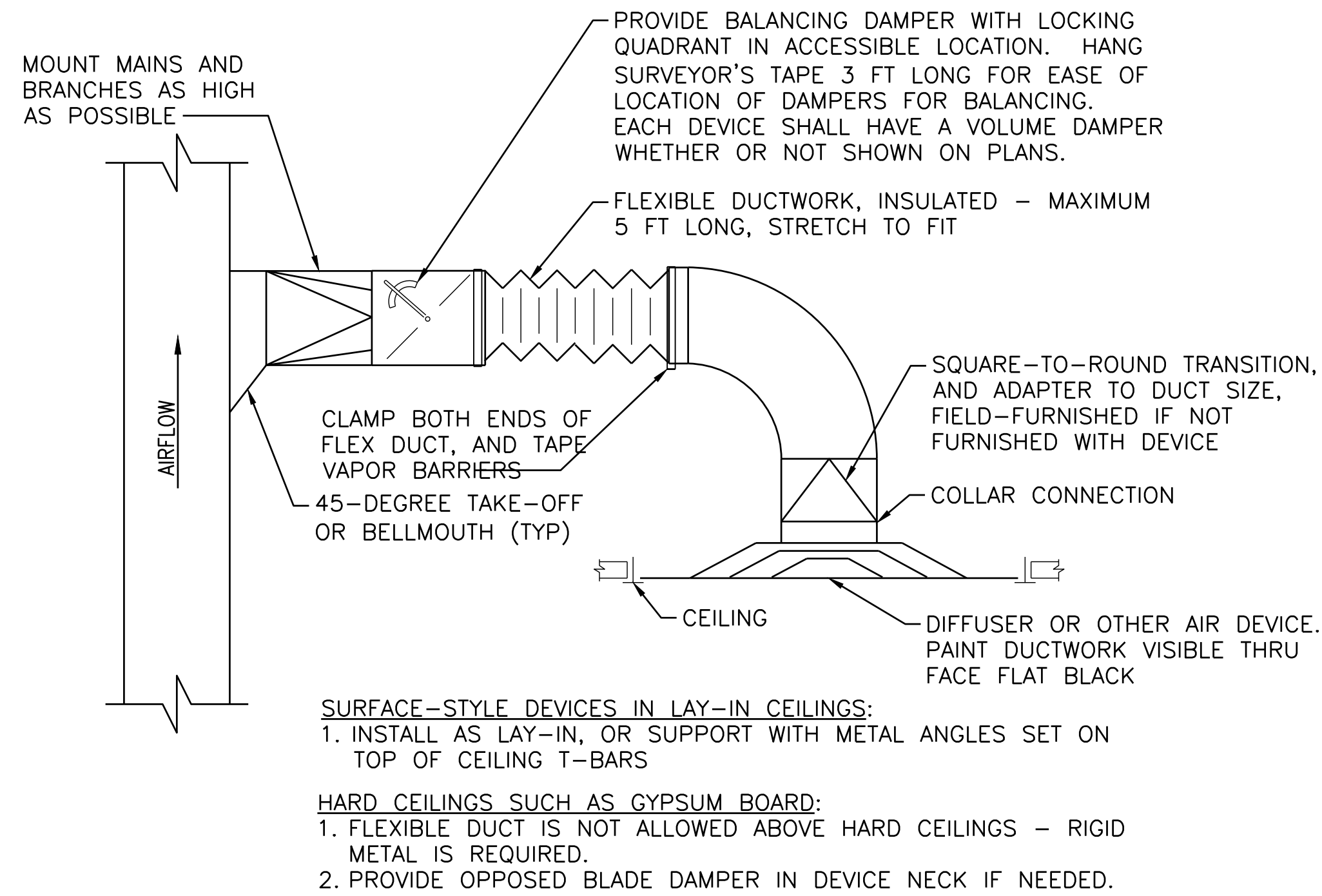
SHEET NUMBER: M-101

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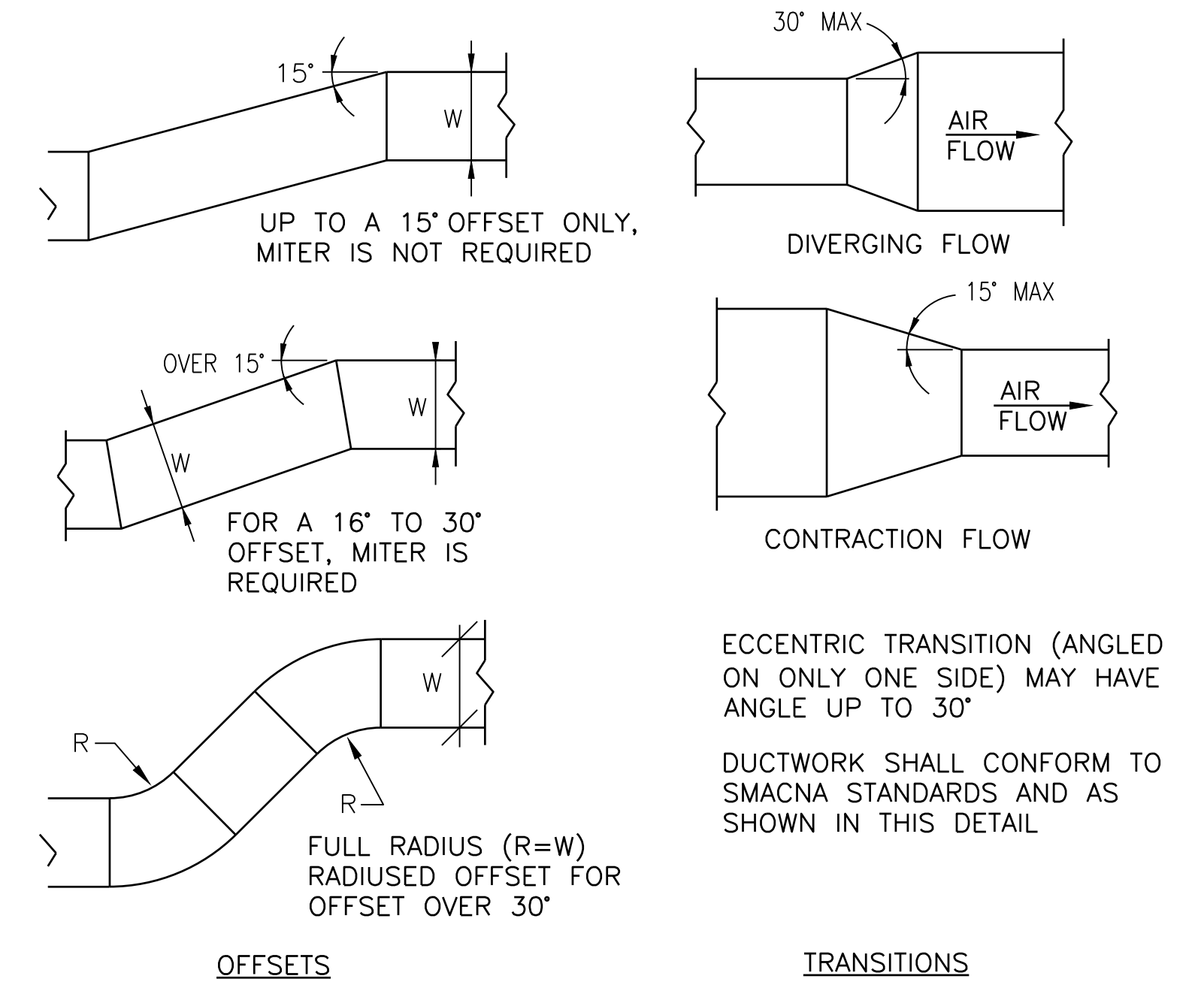


**NOTE:**  
1. DIAMETERS A AND B MAY VARY BASED ON DRAWINGS.

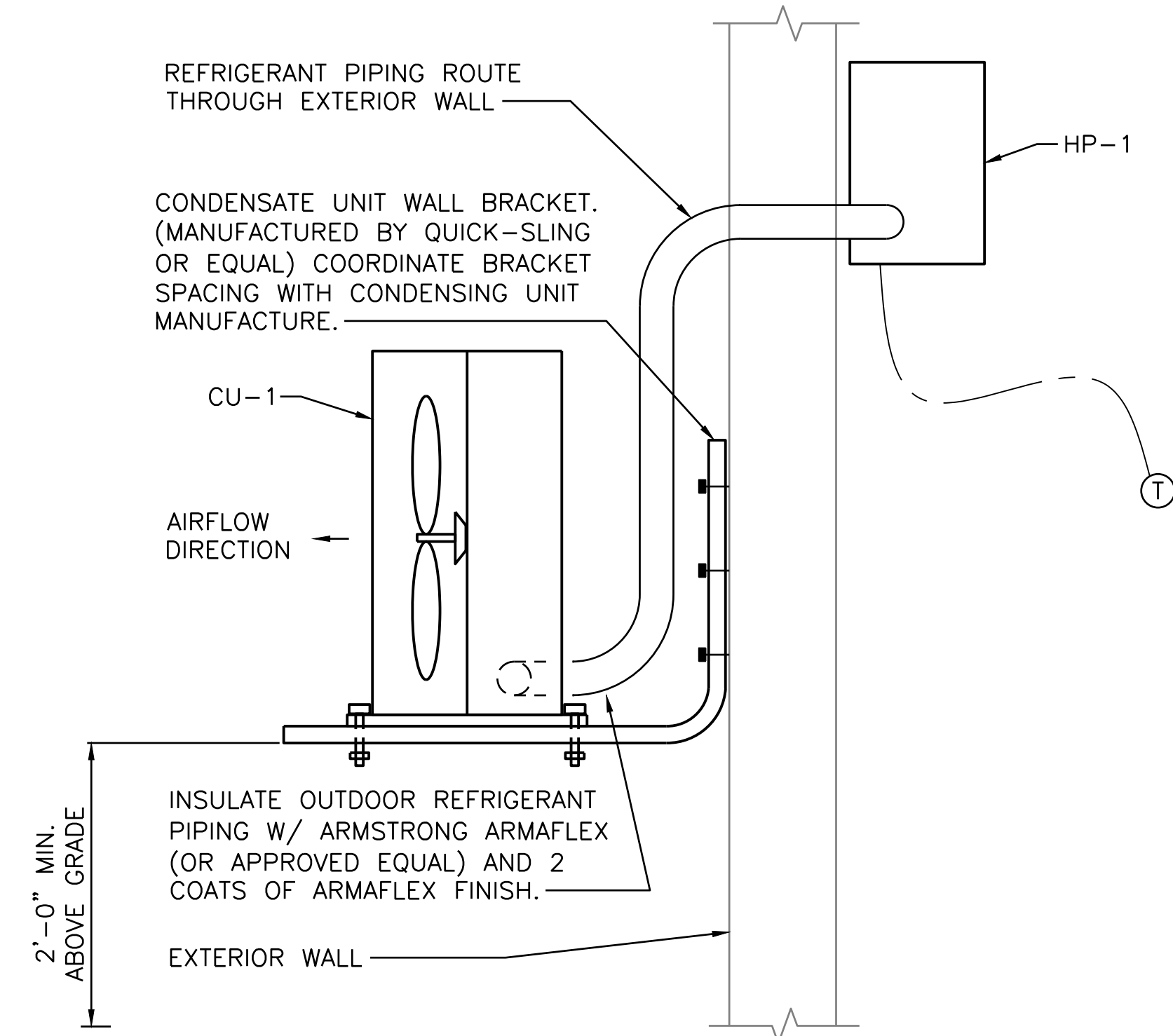
**1** TYPICAL ROUND DUCT FITTING DETAIL  
M-501 SCALE: NTS



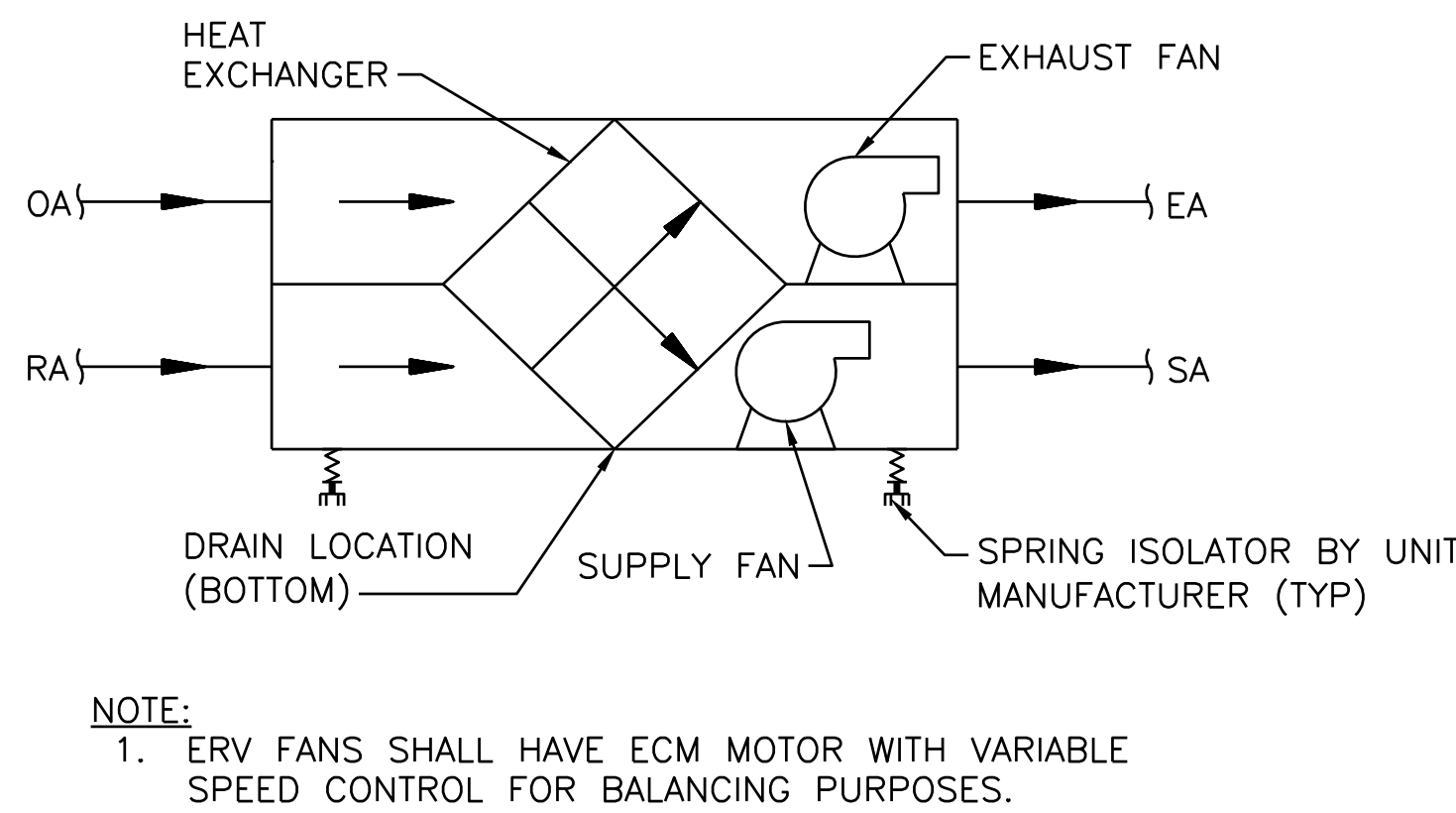
**2** DUCT RUNOUT TO CEILING AIR DEVICE DETAIL  
M-501 SCALE: NTS



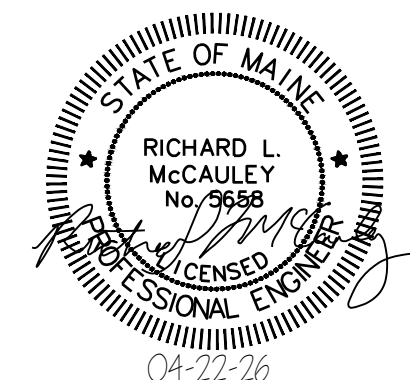
**3** DUCTWORK TRANSITION DETAIL  
M-501 SCALE: NTS



**3** CU DETAIL  
M-501 SCALE: NTS



**4** ERV DETAIL  
M-501 SCALE: NTS

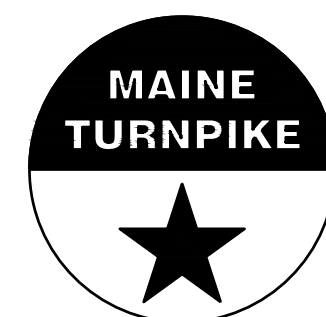


No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753			
CONSULTANT PROJECT MANAGER: MIKE KELLEY			
	By	Date	
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Drawn	MBD	04/17/26	In Charge of
	By	Date	
	RLM	04/17/26	
	MJK	04/17/26	



47A York St  
Portland, ME  
04101  
207.553.7753



THE GOLD STAR  
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: JACQUELINE HANSEN

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
MECHANICAL DETAILS

CONTRACT: 2026.08

SHEET NUMBER: M-501

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### INDOOR ENERGY RECOVERY VENTILATOR SCHEDULE

TAG	LOCATION	SERVES	SYSTEM	AIRFLOW (CFM)	ESP (IN. WC)	WINTER				SUMMER				FILTERS			MOTORS (2)				UNIT ELECTRICAL				DIMENSIONS L x W x H APPROX (IN)	WEIGHT APPROX (LB)	MANUFACTURER	MODEL	NOTES
						EAT (DEG F)		LAT (DEG F)		EAT (DEG F)		LAT (DEG F)		MERV-A	MERV	THICKNESS (IN)	SIZE (HP)	POWER (BHP)	POWER (WATTS)	VOLTAGE V/PH/HZ	FLA (AMP)	MCA (AMP)	MOPD (AMP)						
						DB	WB	DB	WB	DB	WB	DB	WB																
ERV-1	MEZZANINE	RESTROOM	SUPPLY	280	1.40	-6	-7	47.9	36.9	89.5	71.0	79.2	66.6	-	13	2	0.3	-	149	120/1/60	2.7	15.0	15	29 x 25 x 25	65	RENEWAIRE	EV PREMIUM X	1-5	
			EXHAUST	280	1.40	70	51.4	-	-	75.0	62.5	-	-	8	-	2	0.3	-	142										

- NOTES:
- ELECTRONICALLY COMMUTATED (EC) MOTORS WHERE NOTED, WITH SC-ECM REMOTE POTENTIOMETER SPEED CONTROL FOR EACH MOTOR.
  - FUSED DISCONNECT SWITCH. FILTER ALARM SWITCHES FOR SUPPLY AND EXHAUST.
  - PROVIDE INTERCONNECTING POWER AND CONTROL WIRING FOR ACCESSORIES.
  - ACCESSORIES SHIPPED LOOSE WITH UNIT INCLUDE: BACKDRAFT DAMPER, HOODED WALL INTAKE, HOODED WALL EXHAUST, CEILING MOUNT MOTION OCCUPANCY SENSOR.
  - THREE-PRONG POWER CORD, 34" LENGTH.

### DUCTLESS MINI-SPLIT HEAT PUMP SCHEDULE

TAG (INDOOR)	TAG (OUTDOOR)	SERVES	NOMINAL TONS (OUTDOOR)	INDOOR AIRFLOW COOLING (CFM)	INDOOR UNIT TYPE	COOLING			HEATING		FIELD PIPE SIZES (IN)			UNIT ELECTRICAL			DIMENSIONS (L x W x H) APPROX (IN)		WEIGHT APPROX (LB)		MANUFACTURER	INDOOR MODEL	OUTDOOR MODEL	NOTES
						TOTAL (BTUH)	SENSIBLE (BTUH)	SEER (BTUH/W)	TOTAL (BTUH)	COP	GAS	LIQUID	COND	VOLTAGE (V/PH/HZ)	MCA (AMP)	MOPD (AMP)	INDOOR	OUTDOOR	INDOOR	OUTDOOR				
HP-1	CU-1	RESTROOM	1	375	WALL MOUNT	12,200	12,000	21.1	18,000	3.1	1/2	1/4	3/4	208/1/60	16.0	27	36 x 10 x 12	35 x 12 x 25	30	100	MITSUBISHI	PKA-AL12NL	PUZ-AK12NL	1-6

- NOTES:
- RATED CONDITION TEMPERATURES (DEG. F): COOLING INDOOR 80 DB/67 WB, OUTDOOR 95 DB/75 WB. HEATING INDOOR 70 DB/60 WB, OUTDOOR 5 DB/5 WB.
  - OPERATING OUTDOOR TEMPERATURE RANGES (DEG. F): COOLING RANGE - PROVIDE WIND BAFFLES FOR -4 TO +115 F. HEATING RANGE +5 TO +65 F.
  - REFRIGERANT R-454B. INVERTER VARIABLE-SPEED COMPRESSOR. MULTI-SPEED SUPPLY FAN MOTOR (HIGH SPEED CFM INDICATED).
  - POWER SUPPLY TO OUTDOOR UNIT. PROVIDE INTERCONNECTING POWER & CONTROL CONDUIT TO INDOOR UNIT.
  - HARD-WIRED WALL-MOUNT CONTROLLER. MOUNT ON RECESSED WALL BOX.
  - PROVIDE FIELD-INSULATED REFRIGERANT & CONDENSATE DRAIN LINES IN SIZES SCHEDULED & AS INDICATED ON PLAN DRAWINGS. FIELD-APPLY OUTDOOR 30-MIL PVC JACKET & FITTING SYSTEM TO INSULATION EXPOSED OUTDOORS.

### DIFFUSER/GRILLE/REGISTER SCHEDULE

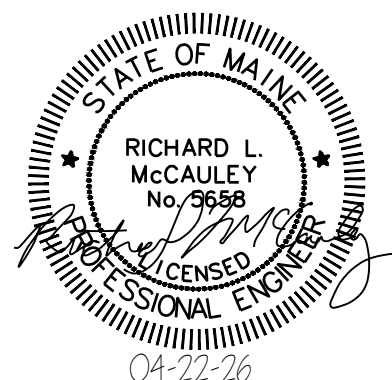
TAG	TYPE	NOMINAL DUCT NECK SIZE (IN)	FACE SIZE (IN)	INSTALLATION STYLE	RATED PATTERN	RATED AIRFLOW (CFM)	THROW (FT)	SP (IN. WG)	SOUND (NC)	MANUFACTURER	MODEL	NOTES
S-1	LOUVERED GRILLE	6 x 6	12x12	LAY-IN	4-WAY	100	18-8	0.02	17	PRICE	510	1-5
S-2	LOUVERED GRILLE	10 x 8	12x12	LAY-IN	4-WAY	280	30-14	0.02	15	PRICE	510	1-5
E-1	LOUVERED GRILLE	6 x 6	12x12	LAY-IN	-	70	-	0.02	15	PRICE	510Z	1-6

- NOTES:
- CONSTRUCTION: STEEL SCHEDULED, MAY BE ALUMINUM AT CONTRACTOR'S OPTION. FACTORY FINISH: WHITE PAINT.
  - OBD NOT REQUIRED UNLESS NOTED OTHERWISE ON FLOOR PLANS - GENERALLY FURNISHED IN DUCT.
  - AIRFLOW SCHEDULED IS FOR PERFORMANCE RATINGS, ACTUAL CFM IS INDICATED ON PLANS.
  - THROW BASED ON 150-50 FPM TERMINAL VELOCITY. SET PATTERNS AS INDICATED, AND LOCK IN PLACE WHERE POSSIBLE.
  - MOUNT WITH BLADES ORIENTED FOR LEAST VISIBILITY INTO DUCTWORK.
  - 0° DEFLECTION WITH 3/4 INCH BLADE SPACING.

### CONDENSATE PUMP SCHEDULE

TAG	LOCATION	FLOW (GPH)	DISCHARGE HEAD MIN (FT WG)	SHUTOFF HEAD MIN (FT WG)	SOUND MAX AT 3.3 FT (dB(A))	OUTLET (IN)	POWER CABLE MIN (FT)	ELECTRICAL		PUMP DIMENSIONS LxWxH APPROX (IN)	MANUFACTURER	MODEL	NOTES
								VOLTAGE (V/PH/HZ)	POWER (W)				
CP-1	HP-1	3	12	30	20	0.25	5	120/1/60	14	3 x 2 x 3	SAUERMANN	SI-30	1-5

- NOTES:
- COMPACT PISTON MINI CONDENSATE PUMP W/ POWER & SAFETY CONTACT CABLE, BRACKET, RUBBER DAMPER, & TUBE W/ DRAIN SAFE DEVICE.
  - MODEL S12958 DETECTION UNIT W/ CONTROL & SAFETY LEVELS, CABLES, RUBBER ELBOW, VENT TUBE, MOUNTING RAIL, ADHESIVE, & TIE WRAPS.
  - WIRE DETECTION UNIT'S SAFETY LEVEL SIGNAL TO DISABLE HEAT PUMP'S COOLING & TO SIGNAL ALARM TO BUILDING CONTROLS
  - PROVIDE INTERCONNECTING POWER CABLE TO ELECTRICAL SUPPLY AS RECOMMENDED BY PUMP MANUFACTURER. SEE ELECTRICAL FOR RECEPTACLE.
  - SUBSTITUTE PUMPS MAY DIFFER IN DESIGN AS SPECIFIED.

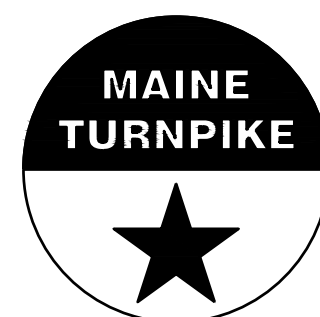


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Designed by:  
 COLBY COMPANY, LLC  
 engineering & design  
 47A York Street, Portland, ME 04101  
 207.553.7753



47A York St  
 Portland, ME  
 04101  
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THE GOLD STAR  
 MEMORIAL HIGHWAY

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
 MAINE TURNPIKE AUTHORITY  
 MECHANICAL SCHEDULES

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

CONSULTANT PROJECT MANAGER: MIKE KELLEY					
	By	Date		By	Date
Designed	AMV	04/17/26	Checked	RLM	04/17/26
Drawn	MBD	04/17/26	In Charge of	MJK	04/17/26

MTA PROJECT MANAGER: JACQUELINE HANSEN

CONTRACT: 2026.08

SHEET NUMBER: M-601

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**POWER:**

- 60 □ (4) NON-FUSED SAFETY SWITCH  
NEMA ENCLOSURE (NEMA 1 UNLESS OTHERWISE NOTED)  
AMPERE RATING
- CONDUIT TURNING UP
- ⊕ DUPLEX RECEPTACLE, NEMA 5-20R
- ⊕⊕ DOUBLE DUPLEX (QUADRUPLX) RECEPTACLE, NEMA 5-20R
- ⊕⊕ WP GFCI DUPLEX RECEPTACLE, NEMA 5-20R  
WEATHER PROOF
- ⊕ POWER RECEPTACLE, 240 VOLT NEMA CONFIGURATION AS NOTED
- PANELBOARD, NORMAL POWER
- ▨ PANELBOARD, EMERGENCY POWER
- JUNCTION BOX
- Ⓜ MANUAL MOTOR STARTER, TOGGLE OPERATED
- HOME RUN

**LIGHTING:**

- STRIP LIGHT FIXTURE
- WALL MOUNTED FIXTURES
- EXIT SIGN, WALL MOUNTED
- Ab WALLPACK
- x OCCUPANCY SENSOR  
INDICATES CONTROLLED FIXTURE
- S<sub>o</sub> SINGLE POLE TOGGLE SWITCH  
INDICATES CONTROLLED FIXTURE
- S<sub>os</sub> OCCUPANCY SENSOR SWITCH
- PC PHOTO CONTROL

**COMMUNICATIONS:**

- ⊕ ANTENNA

**SECURITY:**

- CR CARD READER

**FIRE PROTECTION:**

- FACU FIRE ALARM CONTROL UNIT
- A AIR COMPRESSOR

**LINE TYPES:**

- EXISTING
- NEW
- DEMOLITION
- — — — — MATCHLINE

**EQUIPMENT TAGS:**

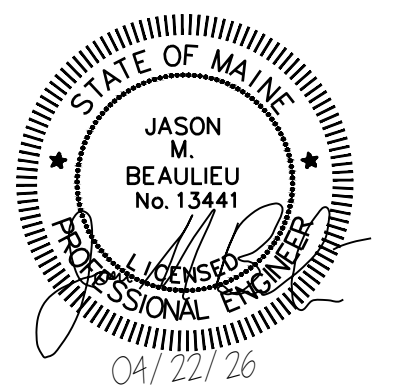
- EF X MECHANICAL/PLUMBING SYSTEM EQUIPMENT TAG  
(SEE MECHANICAL/PLUMBING SHEETS)  
TOP INDICATES EQUIPMENT DESIGNATION  
BOTTOM INDICATES UNIQUE IDENTIFIER

**ABBREVIATIONS:**

- AC ALTERNATING CURRENT
- AMP AMPERE
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AHJ AUTHORITY HAVING JURISDICTION
- AIC AMPERE INTERRUPTING CAPACITY
- ATS AUTOMATIC TRANSFER SWITCH
- AWG AMERICAN WIRE GAUGE
- BAS BUILDING AUTOMATION CONTROL SYSTEM
- BFG BELOW FINISHED GRADE
- BLDG BUILDING
- BOS BOTTOM OF STEEL
- C CONDUIT
- CB CIRCUIT BREAKER
- CLG CEILING
- CU COPPER
- DC DIRECT CURRENT
- DISC DISCONNECT
- DN DOWN
- DPM DIGITAL POWER METER
- E EXISTING
- EC ELECTRICAL CONTRACTOR
- ECB ENCLOSED CIRCUIT BREAKER
- EMI ELECTROMAGNETIC INTERFERENCE FILTER
- EMT ELECTRICAL METALLIC TUBING
- EWC ELECTRIC WATER COOLER
- EWB ELECTRIC WATER HEATER
- EQP EQUIPMENT
- EXIST EXISTING
- FAA FIRE ALARM ANNUNCIATOR
- FACU FIRE ALARM CONTROL UNIT
- FBO FURNISHED BY OTHERS
- FLR FLOOR
- FWE FURNISHED WITH EQUIPMENT
- G GROUND
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- GND GROUND
- HP HORSEPOWER
- HTR HEATER
- IDS INTRUSION DETECTION SYSTEM
- IMC INTERMEDIATE METAL CONDUIT
- K KILO
- KCMIL THOUSAND CIRCULAR MILS
- KV KILOVOLT
- KVA KILOVOLT-AMPERE
- KVAR KILOVOLT-AMPERE REACTIVE
- KW KILOWATT
- LTG LIGHTING
- MCB MAIN CIRCUIT BREAKER
- MFR MANUFACTURER
- MLO MAIN LUG ONLY
- MTD MOUNTED
- NC NORMALLY CLOSED
- NEC NATIONAL ELECTRICAL CODE
- NEG NEGATIVE
- NEUT NEUTRAL
- NIC NOT IN CONTRACT
- NTS NOT TO SCALE
- OD OVERHEAD DOOR
- P POLE
- PF POWER FACTOR
- PH PHASE
- PVC POLYVINYL CHLORIDE
- RGS RIGID GALVANIZED STEEL CONDUIT
- RECEPT RECEPTACLE
- RM ROOM
- RSC RIGID STEEL CONDUIT
- SN SOLID NEUTRAL
- SPD SURGE PROTECTIVE DEVICE
- TOS TOP OF STEEL
- TYP TYPICAL
- V VOLT
- VA VOLT-AMPERE
- VAR VOLT-AMPERE REACTIVE
- WM WATT METER
- WP WEATHER PROOF

**GENERAL NOTES:**

1. GENERAL NOTES, SYMBOL LISTS AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ELECTRICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.
2. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC. USE JUDGMENT AND CARE TO INSTALL ELECTRICAL WORK TO FUNCTION PROPERLY AND FIT WITHIN BUILDING CONSTRUCTION AND FINISHES. PROVIDE ELECTRICAL CONDUCTORS, CONDUIT, COMPONENTS, NOT SHOWN OR SPECIFIED, WHICH ARE REQUIRED FOR ANY DEVICE OR SYSTEM TO PRODUCE A COMPLETE AND OPERATIVE SYSTEM.
3. PERFORM WORK IN ACCORDANCE WITH NFPA-70, NATIONAL ELECTRICAL CODE (NEC) 2023.
4. VERIFY THAT FIELD MEASUREMENTS, SURFACES, SUBSTRATES AND CONDITIONS ARE AS REQUIRED, AND READY TO RECEIVE WORK. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. BY BEGINNING WORK, CONTRACTOR ACCEPTS CONDITIONS AND ASSUMES RESPONSIBILITY FOR CORRECTING UNSUITABLE CONDITIONS ENCOUNTERED AT NO ADDITIONAL COST.
5. PANEL SCHEDULE INFORMATION FOR EXISTING PANELS IS BASED ON AVAILABLE INFORMATION DURING DESIGN. VERIFY THAT PANEL SCHEDULES ARE ACCURATE AND NOTIFY CONTRACTING OFFICER OF ANY DISCREPANCY PRIOR TO COMMENCING WORK.
6. REMOVE ELECTRICAL EQUIPMENT WHERE INDICATED. REMOVE CONDUIT, CIRCUIT CONDUCTORS, SWITCHES, LIGHTING FIXTURES AND MISCELLANEOUS APPLIANCES BACK TO ENERGIZING SOURCE OR JUNCTION BOX WHERE MULTIPLE EQUIPMENT IS POWERED.
7. CONDUCTOR MATERIAL, INCLUDING WIRING, PANELBOARD BUSES, TRANSFORMER WINDINGS, AND GROUNDING MUST BE COPPER. ALUMINUM CONDUCTORS ARE NOT ALLOWED.
8. UNLESS OTHERWISE NOTED, FOR 20A-1P BRANCH CIRCUIT WIRING USE 2#12 AWG CONDUCTORS AND #12 GND. HOME RUNS FED FROM 20A-1P CIRCUITS IN EXCESS OF 100 FEET USE #10 AWG.
9. PROVIDE COMMERCIAL SPECIFICATION GRADE 277/120 VOLT LIGHTING TOGGLE SWITCHES, SIDE WIRED AND WITH GROUNDING SCREW. LEVITON, PASS AND SEYMOUR, OR APPROVED EQUAL. COORDINATE COLOR WITH OWNER.
10. PROVIDE COMMERCIAL SPECIFICATION GRADE CONVENIENCE RECEPTACLES, GROUNDING TYPE NEMA 5-20R, SIDE WIRED. LEVITON, PASS AND SEYMOUR, OR APPROVED EQUAL.
11. PROVIDE GALVANIZED STEEL WALL PLATES FOR MECHANICAL SPACES WIRING DEVICES, NYLON SMOOTH WALL PLATES FOR FINISHED PARTITIONED SPACES WIRING DEVICES, AND THERMOPLASTIC WALL PLATES FOR EXTERIOR WIRING DEVICES.
12. UNLESS OTHERWISE NOTED, PROVIDE TYPE EMT CONDUIT FOR INTERIOR RACEWAY, TYPE RGS CONDUIT FOR EXTERIOR RACEWAY, LIQUID TIGHT FLEXIBLE METAL CONDUIT FOR FINAL CONNECTIONS TO MOTORS, AND FLEXIBLE METAL CONDUIT FOR CONNECTIONS TO LIGHT FIXTURES (MAXIMUM 3FT LENGTH).
13. PROVIDE EQUIPMENT DISCONNECTS AND MANUAL MOTOR STARTERS UNLESS NOTED AS FURNISHED WITH EQUIPMENT (FWE). INCLUDE FUSES RATED FOR PROTECTION OF LOAD SUPPLIED. MOUNT DISCONNECTS AND MOTOR STARTERS IN AN ACCESSIBLE LOCATION WITHIN SIGHT OF THE LOAD SERVED. DISCONNECTS AND MOTOR STARTERS MUST BE LOCKABLE IN THE OPEN POSITION.
14. UNLESS OTHERWISE NOTED MOUNT CONVENIENCE RECEPTACLES 18" AFF, LAVATORY GFCI RECEPTACLES 48" AFF, RECEPTACLES AT COUNTERS 6" ABOVE BACKSPASH, LIGHTING TOGGLE SWITCHES 48" AFF. MEASUREMENTS ARE MADE TO TOP OF DEVICE.
15. SEAL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF SEPARATION.
16. EQUIPMENT CONNECTIONS ARE SHOWN FOR BASIS-OF-DESIGN PRODUCTS. COORDINATE EQUIPMENT CONNECTIONS - INCLUDING DISCONNECTING MEANS, OVERCURRENT PROTECTION, AND WIRE SIZING - WITH SELECTED MANUFACTURER'S RECOMMENDED INSTRUCTIONS.
17. PROVIDE MOUNTING HARDWARE NECESSARY FOR A COMPLETE INSTALLATION. MOUNT EQUIPMENT AND ROUTE CONDUIT SO AS NOT TO INTERFERE WITH OPERATIONS SUCH AS OVERHEAD DOORS, DOOR SWINGS, ACCESS POINTS, AND OTHER INSTALLATIONS.
18. MANUFACTURERS' NAMES AND MODEL NUMBERS ARE USED THROUGHOUT THE PROJECT FOR DESCRIPTIVE PURPOSES ONLY AND ARE INTENDED TO INDICATE THE STANDARD OF MATERIAL OR ARTICLES REQUIRED. DESIGN IS PREDICATED AROUND LISTED MANUFACTURERS AS NOTED ON SCHEDULES AND NOTES AND IS NOT INTENDED TO LIMIT THE CONTRACTOR TO ONE MANUFACTURER.
19. SUPPLY DISTRIBUTION EQUIPMENT FROM THE SAME MANUFACTURER. APPROVED MANUFACTURERS INCLUDE SQUARE D, EATON/CUTLER-HAMMER, SIEMENS, OR APPROVED EQUAL.
20. UNLESS OTHERWISE NOTED WIRING MUST BE AS FOLLOWS:  
A. LOW VOLTAGE INTERIOR DISTRIBUTION AND BRANCH WIRING MUST BE 600V, COPPER WITH THHN/THWN INSULATION  
B. LOW VOLTAGE EXTERIOR DISTRIBUTION AND BRANCH WIRING MUST BE 600V, COPPER WITH XHHW INSULATION.
21. EQUIPMENT ENCLOSURES, SWITCHES, RECEPTACLES, AND DEVICES MUST BE LABELED WITH THE SOURCE CIRCUIT AND EQUIPMENT CONTROLLED WHERE APPLICABLE. PANELBOARDS AND SWITCHBOARDS MUST HAVE APPROPRIATE ARC-FLASH LABELS INSTALLED IN ACCORDANCE WITH NFPA 70E REQUIREMENTS.
22. CONNECT EXIT SIGNS AND EMERGENCY LIGHTS TO THE UNSWITCHED LEG OF THE LIGHTING CIRCUIT IN THE ROOM THE DEVICE IS LOCATED.



Scale: AS NOTED				Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753				 47A York St Portland, ME 04101 207.553.7753	 <b>THE GOLD STAR MEMORIAL HIGHWAY</b>	KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION MAINE TURNPIKE AUTHORITY ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES				SHEET NUMBER: E-001									
				CONSULTANT PROJECT MANAGER: MIKE KELLEY																			
		By		Date						By		Date											
		Designed		ACM		04/17/26				Checked		JMB		04/17/26									
0		ISSUE FOR CONSTRUCTION		MJK		04/22/26		Drawn		ACY		04/17/26		In Charge of		MJK		MTA PROJECT MANAGER: JACQUELINE HANSEN		CONTRACT: 2026.08		53 OF 62	



1 8 BAY NORTH EAST WALL  
ED101 SCALE: NTS



2 8 BAY NORTH EAST WALL CONTINUED  
ED101 SCALE: NTS

**NOTES:**

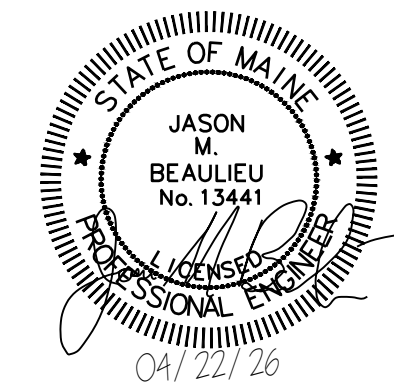
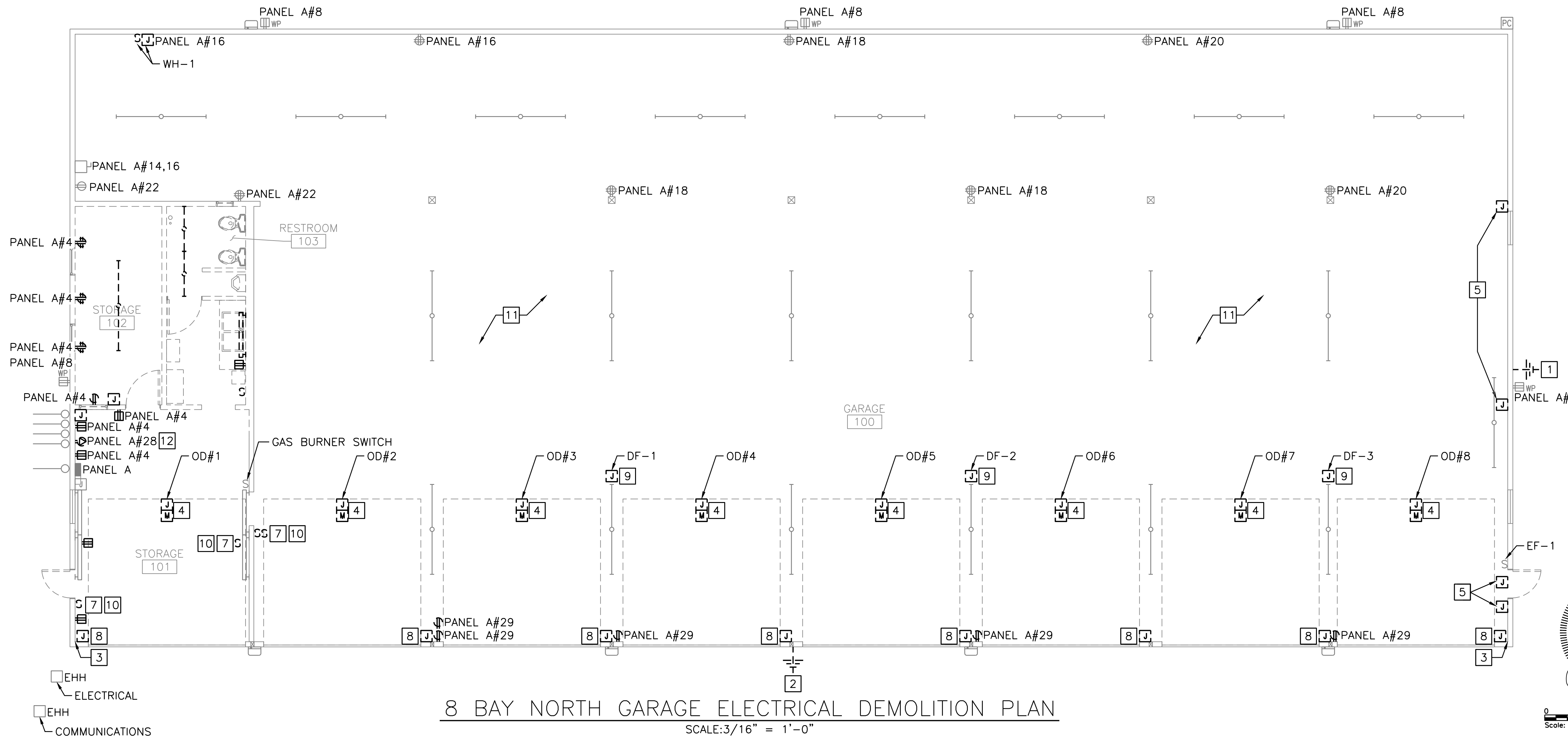
1. SEE E-001 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. DEVICES IN USE THAT ARE TO BE DEMOLISHED MUST BE COORDINATED WITH CONTRACTING OFFICER AND OWNER PRIOR TO DEMOLITION.

**ELECTRICAL SCOPE NOTES:**

1. REMOVE ABANDONED ELECTRICAL EQUIPMENT.
2. REMOVE AND REPLACE AGING ELECTRICAL CONDUIT, CONDUCTORS AND DEVICES. FIELD VERIFY EXISTING LIGHTING CONTROL SCHEME MAINTAINS NORMAL FUNCTIONALITY.
3. EXISTING LED LIGHTING FIXTURES TO REMAIN. REPLACE WIRING AND CONTROLS.
4. PROVIDE NEW DEVICES, LIGHTING FIXTURES AND WIRING TO RESTROOM INCLUDING NEW MECHANICAL EQUIPMENT

**DEMOLITION KEYED NOTES:**

- 1 EXTERIOR MOUNTED TWO WAY RADIO ANTENNA. RETAIN AND PROTECT DURING CONSTRUCTION.
- 2 EXTERIOR MOUNTED WIFI ANTENNA. RETAIN IN STORAGE, REINSTALL WHEN CONSTRUCTION IS COMPLETE.
- 3 CONFIRM GARAGE DOOR PERSONNEL SENSORS ARE NOT IN USE. DEMO BACK TO SOURCE.
- 4 DISCONNECT AND REMOVE OVERHEAD DOOR CONDUIT, CONDUCTORS AND DISCONNECTING MEANS. RETAIN OVERHEAD DOOR MOTOR FOR REUSE.
- 5 CONFIRM CIRCUIT IN WHITE PAINTED CONDUIT AND JUNCTION BOXES ABOVE THE DOOR AND WINDOWS IS NOT IN USE. DEMO CONDUCTORS AND CONDUIT BACK TO SOURCE. PORTIONS OF CIRCUIT STILL IN USE MUST BE CONNECTED AS PART OF NEW WORK.
- 6 DISCONNECT AND REMOVE TRANSFER SWITCH ACCESSORIES. DISCONNECT AND REMOVE TRANSFER SWITCH, CONDUITS, AND CONDUCTORS TO WALL PENETRATION.
- 7 DEMOLISH LIGHTING SWITCHES, CONDUIT AND CONDUCTORS BACK TO SOURCE.
- 8 DISCONNECT AND REMOVE CONDUIT AND CONDUCTORS FROM OVERHEAD DOOR CONTROLLER BACK TO SOURCE. RETAIN OVERHEAD DOOR CONTROLLER FOR REUSE.
- 9 DISCONNECT AND PROTECT DISTRATIFICATION FAN FOR DURATION OF CONSTRUCTION. FIELD VERIFY RECEPTACLE TYPE, DEMOLISH RECEPTACLE, CONDUIT, AND CONDUCTORS BACK TO SOURCE.
- 10 FIELD VERIFY EXISTING LIGHTING CONTROL SCHEME TO MAINTAIN THE SAME FUNCTIONALITY AFTER NEW WORK.
- 11 FIELD VERIFY EXACT QUANTITIES PRIOR TO COMMENCEMENT. REMOVE ALL EXISTING ATTIC LIGHTING FIXTURES, SWITCHES, CONDUIT CONDUCTORS, AND RECEPTACLES. ASSUME (10) SCREW-IN LAMP HOLDERS AND (10) RECEPTACLES FOR BIDDING PURPOSES.
- 12 DEMOLISH L5-30P GENERATOR RECEPTACLE AND LOCATE NEW L5-30P GENERATOR CHARGING RECEPTACLE. SEE E-101



Scale: AS NOTED

No.	Revision	By	Date
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Designed by:  
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207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
Designed	ACM	04/17/26	Checked	JMB	04/17/26
Drawn	ACY	04/17/26	In Charge of	MJK	

47A York St  
Portland, ME  
04101  
207.553.7753

**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY

**8 BAY NORTH GARAGE DEMOLITION PLAN**

CONTRACT: 2026.08

SHEET NUMBER: ED101  
54 OF 62



1 8 BAY SOUTH WEST WALL  
ED102 SCALE: NTS



2 8 BAY SOUTH EAST WALL  
ED102 SCALE: NTS

**NOTES:**

- SEE E-001 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- DEVICES IN USE THAT ARE TO BE DEMOLISHED MUST BE COORDINATED WITH CONTRACTING OFFICER AND OWNER PRIOR TO DEMOLITION.

**ELECTRICAL SCOPE NOTES:**

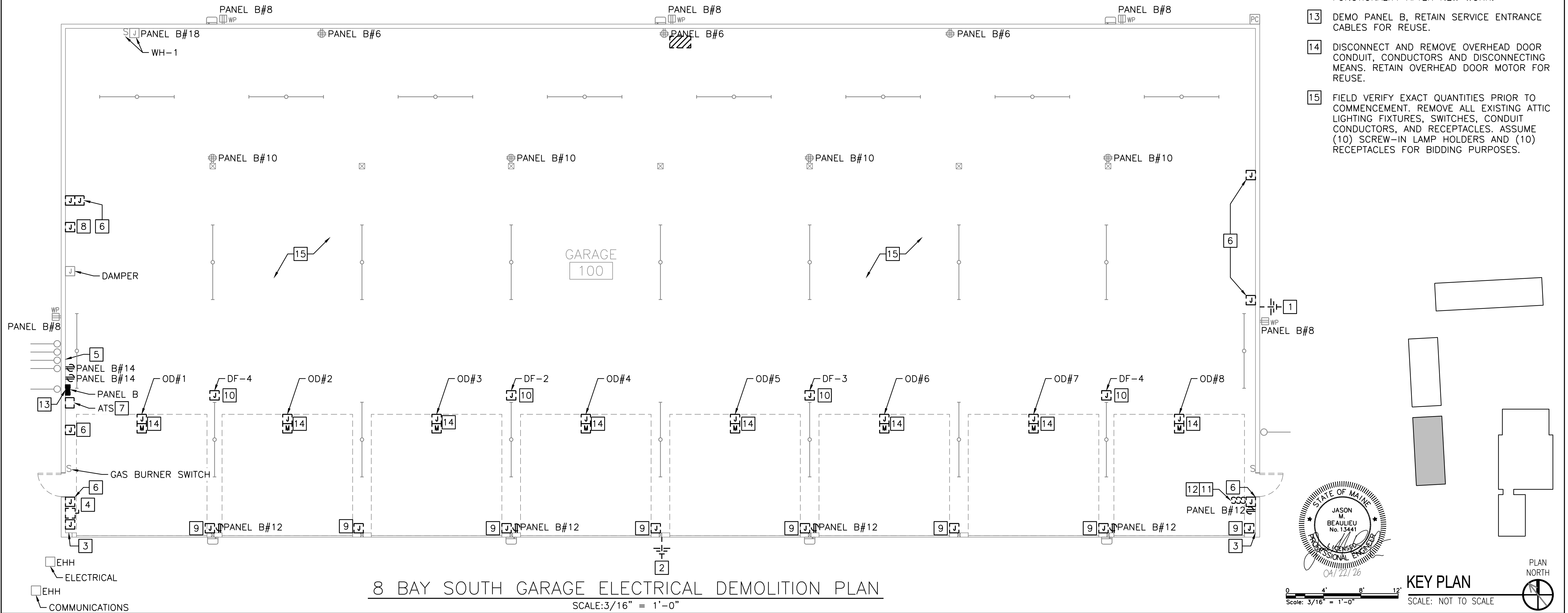
- REMOVE ABANDONED ELECTRICAL EQUIPMENT.
- REMOVE AND REPLACE AGING ELECTRICAL CONDUIT, CONDUCTORS AND DEVICES. FIELD VERIFY EXISTING LIGHTING CONTROL SCHEME MAINTAINS NORMAL FUNCTIONALITY.
- EXISTING LED LIGHTING FIXTURES TO REMAIN. REPLACE WIRING AND CONTROLS.
- REMOVE AND REPLACE PANEL B, RECONNECT EXISTING CIRCUITS PER PANEL SCHEDULE.

**DEMOLITION KEYED NOTES:**

- EXTERIOR MOUNTED TWO WAY RADIO ANTENNA. RETAIN AND PROTECT DURING CONSTRUCTION.
- EXTERIOR MOUNTED WIFI ANTENNA. RETAIN IN STORAGE, REINSTALL WHEN CONSTRUCTION IS COMPLETE.
- CONFIRM GARAGE DOOR PERSONNEL SENSORS ARE NOT IN USE. DEMO BACK TO SOURCE.
- CONFIRM SAFETY SWITCH IS NOT IN USE. DEMO BACK TO SOURCE.
- DEMO ABANDONED RADIO ANNUNCIATOR PANEL, SPEAKERS, CONDUIT AND CONDUCTORS TO EXTENTS OF BUILDING.
- CONFIRM CIRCUIT IN WHITE PAINTED CONDUIT AND JUNCTION BOXES ABOVE THE DOOR AND WINDOWS IS NOT IN USE. DEMO CONDUCTORS AND CONDUIT BACK TO SOURCE. PORTIONS OF CIRCUIT STILL IN USE MUST BE CONNECTED AS PART OF NEW WORK.

**DEMOLITION KEYED NOTES:**

- DISCONNECT AND REMOVE TRANSFER SWITCH ACCESSORIES. DISCONNECT AND REMOVE TRANSFER SWITCH, CONDUITS, AND CONDUCTORS TO WALL PENETRATION.
- REMOVE AND DISCONNECT CONDUIT, JUNCTION BOX AND CONDUCTORS UPSTREAM OF THE BURNER SAFETY SWITCH. RETAIN FLEXIBLE METAL CABLE AND DOWNSTREAM DEVICES, CONDUIT, AND CONDUCTORS FOR REUSE.
- DISCONNECT AND REMOVE CONDUIT AND CONDUCTORS FROM OVERHEAD DOOR CONTROLLER BACK TO SOURCE. RETAIN OVERHEAD DOOR CONTROLLER FOR REUSE.
- DISCONNECT AND PROTECT DISTRIATION FAN FOR DURATION OF CONSTRUCTION. FIELD VERIFY RECEPTACLE TYPE, DEMOLISH RECEPTACLE, CONDUIT, AND CONDUCTORS BACK TO SOURCE.
- DEMOLISH LIGHTING SWITCHES, CONDUIT AND CONDUCTORS BACK TO SOURCE.
- FIELD VERIFY EXISTING LIGHTING CONTROL SCHEME TO MAINTAIN THE SAME FUNCTIONALITY AFTER NEW WORK.
- DEMO PANEL B, RETAIN SERVICE ENTRANCE CABLES FOR REUSE.
- DISCONNECT AND REMOVE OVERHEAD DOOR CONDUIT, CONDUCTORS AND DISCONNECTING MEANS. RETAIN OVERHEAD DOOR MOTOR FOR REUSE.
- FIELD VERIFY EXACT QUANTITIES PRIOR TO COMMENCEMENT. REMOVE ALL EXISTING ATTIC LIGHTING FIXTURES, SWITCHES, CONDUIT CONDUCTORS, AND RECEPTABLES. ASSUME (10) SCREW-IN LAMP HOLDERS AND (10) RECEPTABLES FOR BIDDING PURPOSES.



8 BAY SOUTH GARAGE ELECTRICAL DEMOLITION PLAN  
SCALE: 3/16" = 1'-0"

Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
Designed	ACM	04/17/26	Checked	JMB	04/17/26
Drawn	ACY	04/17/26	In Charge of	MJK	

47A York St  
Portland, ME  
04101  
207.553.7753

**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**8 BAY SOUTH GARAGE DEMOLITION PLAN**

SHEET NUMBER: ED102  
CONTRACT: 2026.08  
55 OF 62

**NOTES:**

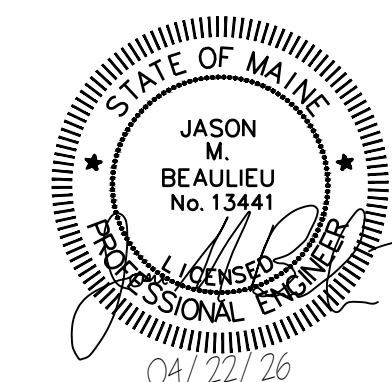
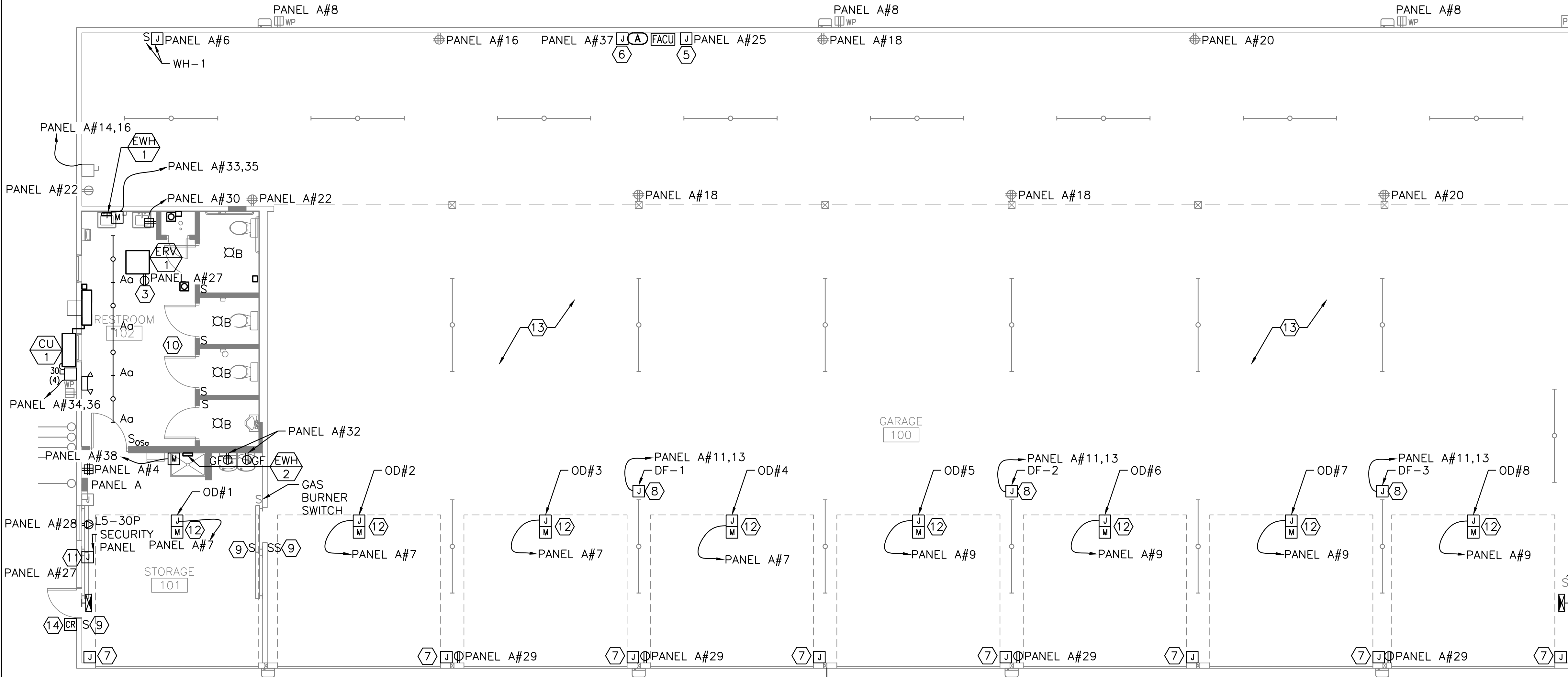
1. SEE E-001 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. RECONNECT ANY CIRCUITS THAT WERE REMOVED IN THE DEMOLITION PHASE THAT ARE STILL IN USE WITH NEW CONDUITS AND CONDUCTORS.
3. FIELD VERIFY EXISTING LIGHTING CONTROL SCHEME MAINTAINS EXISTING FUNCTIONALITY.
4. SEE E-501 FOR ACCESS CONTROL DETAILS.
5. SEE C-101 FOR SITE CONDUIT ROUTING.
6. SEE ARCHITECTURAL SHEETS FOR DOOR HARDWARE.
7. SEE E-601 FOR PANEL SCHEDULE.

**KEYED NOTES:**

- 1 REINSTALL RETAINED EXTERIOR MOUNTED TWO WAY RADIO ANTENNA. CONFIRM NORMAL OPERATION WITH OWNER.
- 2 REINSTALL RETAINED EXTERIOR MOUNTED WIFI ANTENNA. CONFIRM NORMAL OPERATION WITH OWNER.
- 3 FIELD VERIFY AND COORDINATE ERV LOCATION. PROVIDE DEDICATED ERV LOCATION. PROVIDE DEDICATED CIRCUIT AND DUPLEX RECEPTACLE ON MEZZANINE ABOVE RESTROOM FOR ERV PLUG AND CORD CONNECTION.
- 4 REINSTALL RETAINED DISCONNECT, CONDUIT, JUNCTION BOX AND CONDUCTORS TO THE BURNER SAFETY SWITCH.
- 5 PROVIDE A DEDICATED CIRCUIT FEEDING THE FIRE ALARM CONTROL UNIT.
- 6 PROVIDE A DEDICATED CIRCUIT WITH DISCONNECT FEEDING THE SPRINKLER COMPRESSOR.
- 7 REINSTALL RETAINED GARAGE DOOR CONTROLLER IN EXISTING LOCATION. PROVIDE CONDUIT AND CONDUCTORS.

**KEYED NOTES:**

- 8 REINSTALL RETAINED DISTATIFICATION FAN, PROVIDE CONDUIT AND CONDUCTORS. PROVIDE RECEPTACLES PER MANUFACTURER'S SPECIFICATION. CONFIRM CONTROLS AND NORMAL OPERATION AFTER INSTALLATION.
- 9 PROVIDE LIGHTING SWITCHES, CONDUIT, CONDUCTORS AND COMPONENTS NECESSARY FOR RECONNECTION. MAINTAIN SAME FUNCTIONALITY AS EXISTING.
- 10 LIGHTING FIXTURES WITHIN THIS SPACE CIRCUITED TO PANEL A CIRCUIT #2.
- 11 PROVIDE POWER CONNECTION FOR SECURITY CONTROL PANEL. SECURITY PANEL PROVIDED BY OTHERS.
- 12 PROVIDE CONDUIT AND CONDUCTORS FOR OVERHEAD DOOR. PROVIDE MOTOR TOGGLE SWITCH AND RECONNECT POWER AND CONTROLS TO MAINTAIN THE SAME FUNCTIONALITY AS EXISTING.
- 13 REPLACE IN KIND ALL EXISTING ATTIC LIGHTING FIXTURES, SWITCHES, AND RECEPTACLES. ASSUME (10) SCREW-IN LAMP HOLDERS AND (10) DUPLEX RECEPTACLES. NOTIFY OWNER OF ANY DEVIATIONS PRIOR TO INSTALLATION.
- 14 PROVIDE DOOR HARDWARE PATHWAYS AND BOXES FOR DEVICES PROVIDED BY OTHERS. SEE E-501 FOR ACCESS CONTROL DETAIL.



**8 BAY NORTH GARAGE ELECTRICAL NEW WORK PLAN**

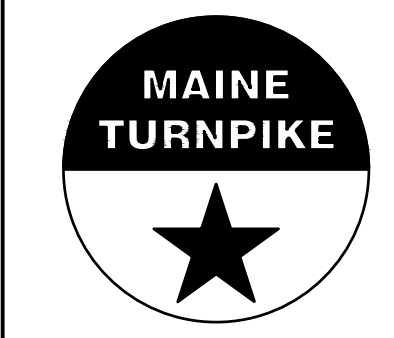
SCALE: 3/16" = 1'-0"

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753			
CONSULTANT PROJECT MANAGER: MIKE KELLEY			
	By	Date	
Designed	ACM	04/17/26	Checked
Drawn	ACY	04/17/26	In Charge of
	By	Date	
	JMB	04/17/26	



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04101  
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**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**8 BAY NORTH GARAGE NEW WORK PLAN**

SHEET NUMBER: E-101  
56 OF 62

CONTRACT: 2026.08

**NOTES:**

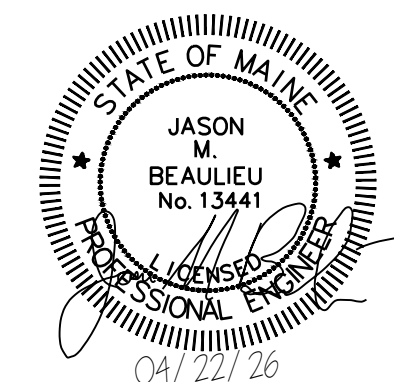
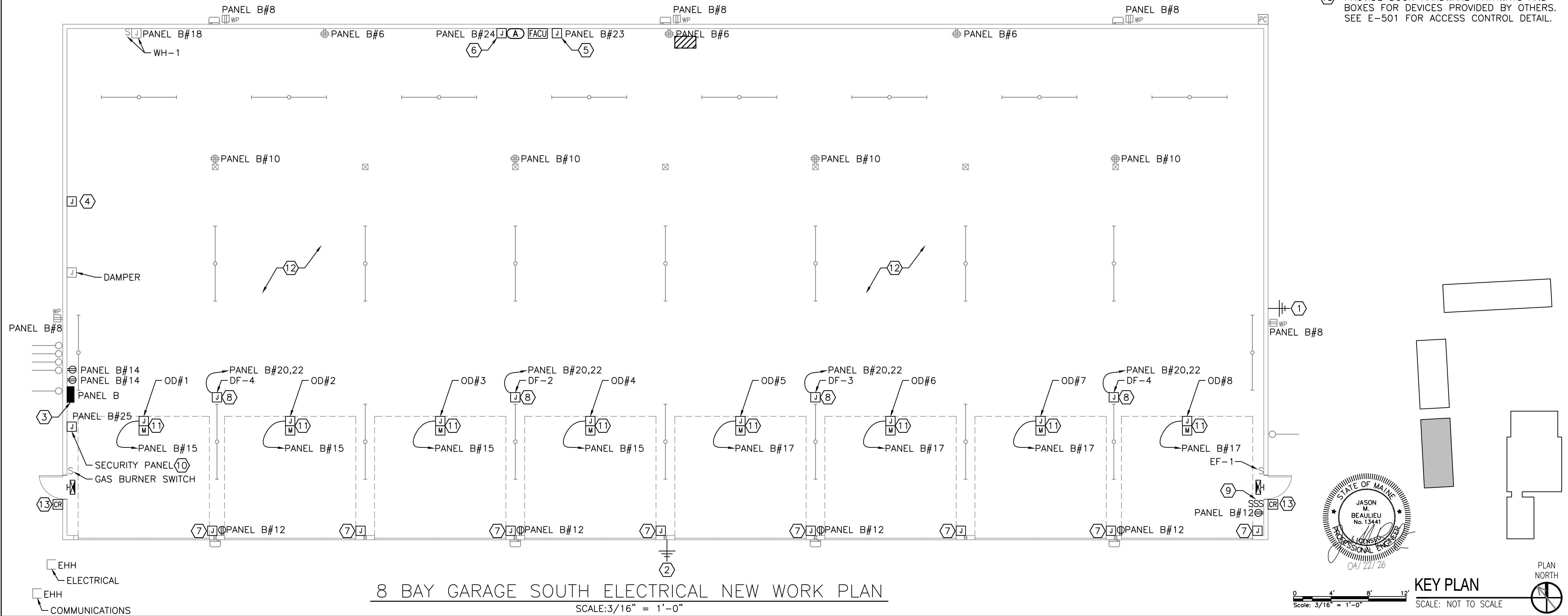
1. SEE E-001 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. RECONNECT ANY CIRCUITS THAT WERE REMOVED IN THE DEMOLITION PHASE THAT ARE STILL IN USE WITH NEW CONDUITS AND CONDUCTORS.
3. FIELD VERIFY EXISTING LIGHTING CONTROL SCHEME MAINTAINS EXISTING FUNCTIONALITY.
4. SEE SHEET E-501 FOR ACCESS CONTROL DETAILS.
5. SEE C-101 FOR SITE CONDUIT ROUTING.
6. SEE ARCHITECTURAL SHEETS FOR DOOR HARDWARE.
7. SEE E-602 FOR PANEL SCHEDULE.

**KEYED NOTES:**

- 1 REINSTALL RETAINED EXTERIOR MOUNTED TWO WAY RADIO ANTENNA. CONFIRM NORMAL OPERATION WITH OWNER.
- 2 REINSTALL RETAINED EXTERIOR MOUNTED WIFI ANTENNA. CONFIRM NORMAL OPERATION WITH OWNER.
- 3 CONNECT NEW PANEL TO EXISTING SERVICE ENTRANCE CONDUCTORS OF BUILDING.
- 4 PROVIDE CONDUIT, CONDUCTORS AND JUNCTION BOX TO THE BURNER SAFETY SWITCH CONTROL BOX. RECONNECT FLEXIBLE METAL CABLE AND DOWNSTREAM DEVICES, CONDUIT, AND CONDUCTORS.
- 5 PROVIDE A DEDICATED CIRCUIT FEEDING THE FIRE ALARM CONTROL PANEL.
- 6 PROVIDE A DEDICATED CIRCUIT WITH DISCONNECT FEEDING THE SPRINKLER COMPRESSOR.
- 7 REINSTALL RETAINED GARAGE DOOR CONTROLLER IN EXISTING LOCATION. PROVIDE CONDUIT AND CONDUCTORS.

**KEYED NOTES:**

- 8 REINSTALL RETAINED DISTATIFICATION FAN, PROVIDE CONDUIT AND CONDUCTORS. PROVIDE RECEPTACLES PER MANUFACTURER'S SPECIFICATION. MAINTAIN SAME FUNCTIONALITY AS EXISTING.
- 9 PROVIDE LIGHTING SWITCHES, CONDUIT, CONDUCTORS AND COMPONENTS NECESSARY FOR RECONNECTION.
- 10 PROVIDE POWER CONNECTION FOR SECURITY CONTROL PANEL. SECURITY PANEL PROVIDED BY OTHERS.
- 11 PROVIDE CONDUIT AND CONDUCTORS FOR OVERHEAD DOOR. PROVIDE MOTOR TOGGLE SWITCH AND RECONNECT POWER AND CONTROLS TO MAINTAIN THE SAME FUNCTIONALITY AS EXISTING.
- 12 REPLACE IN KIND ALL EXISTING ATTIC LIGHTING FIXTURES, SWITCHES, AND RECEPTACLES. ASSUME (10) SCREW-IN LAMP HOLDERS AND (10) DUPLEX RECEPTACLES. NOTIFY OWNER OF ANY DEVIATIONS PRIOR TO INSTALLATION.
- 13 PROVIDE DOOR HARDWARE PATHWAYS AND BOXES FOR DEVICES PROVIDED BY OTHERS. SEE E-501 FOR ACCESS CONTROL DETAIL.



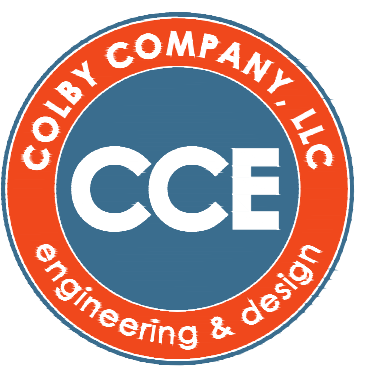
Scale: AS NOTED

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

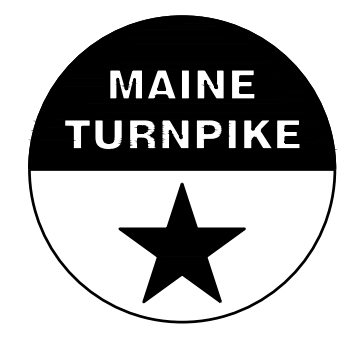
Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date	By	Date	
Designed	ACM	04/17/26	Checked	JMB	04/17/26
Drawn	ACY	04/17/26	In Charge of	MJK	



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Portland, ME  
04101  
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**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**8 BAY GARAGE SOUTH NEW WORK PLAN**

SHEET NUMBER: E-102  
57 OF 62

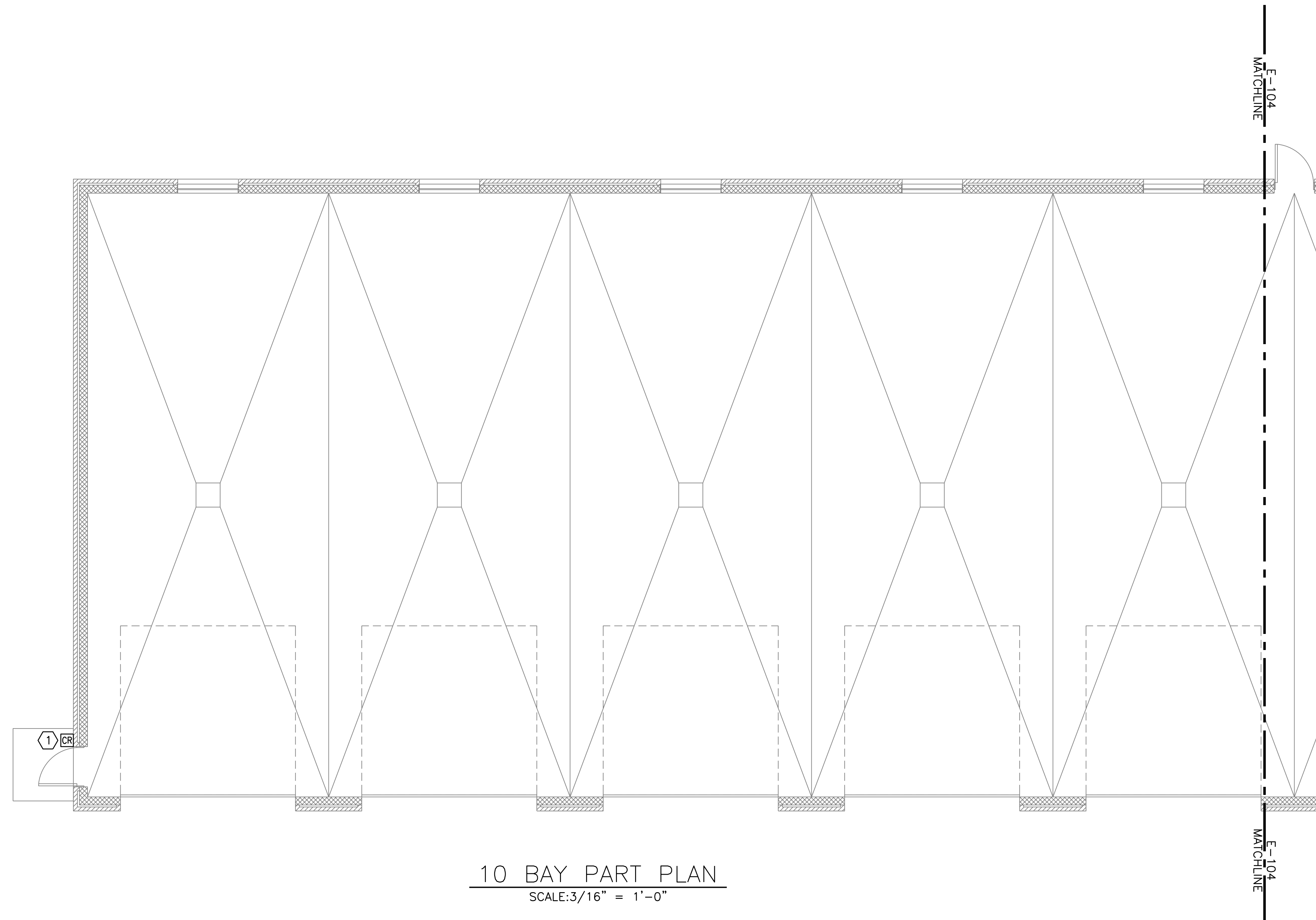
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**NOTES:**

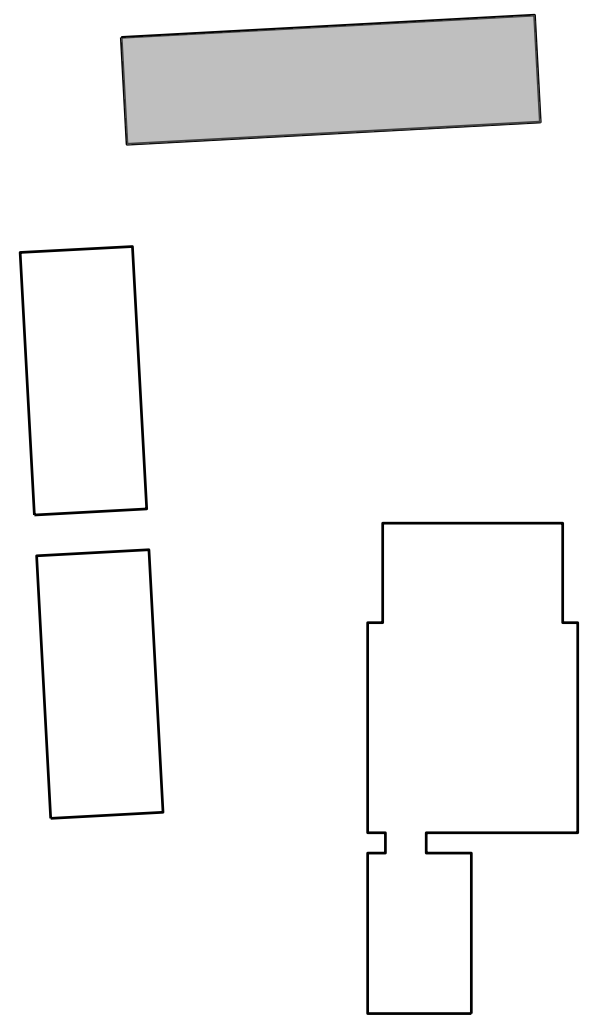
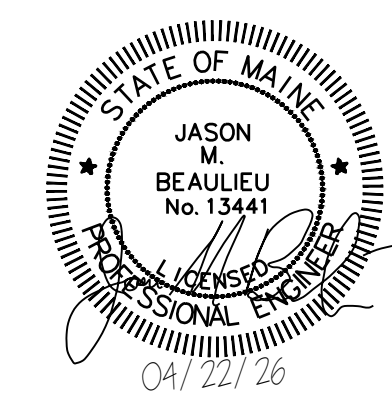
1. SEE E-001 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. SEE E-104 FOR SECURITY PANEL LOCATION.
3. SEE C-101 FOR SITE CONDUIT ROUTING.
4. SEE ARCHITECTURAL SHEETS FOR DOOR HARDWARE.

**KEYED NOTES:**

- ① PROVIDE DOOR HARDWARE PATHWAYS AND BOXES FOR DEVICES PROVIDED BY OTHERS. SEE E-501 FOR ACCESS CONTROL DETAIL.



**10 BAY PART PLAN**  
SCALE: 3/16" = 1'-0"



Scale: 3/16" = 1'-0"

**KEY PLAN**  
SCALE: NOT TO SCALE

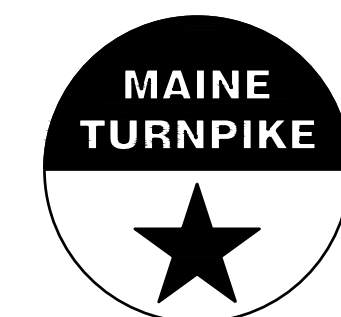


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**THE GOLD STAR  
MEMORIAL HIGHWAY**

**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY  
10 BAY GARAGE PART PLAN**

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

CONSULTANT PROJECT MANAGER: MIKE KELLEY			
	By	Date	
Designed	ACM	04/17/26	Checked JMB 04/17/26
Drawn	ACY	04/17/26	In Charge of MJK

MTA PROJECT MANAGER: JACQUELINE HANSEN

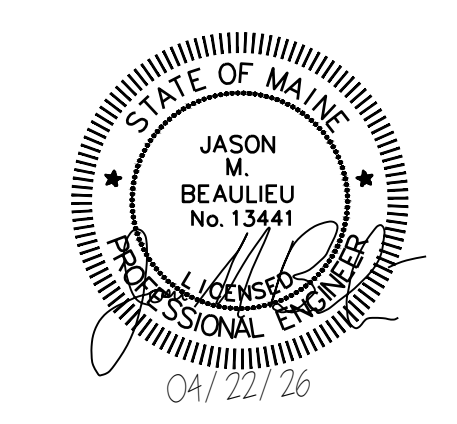
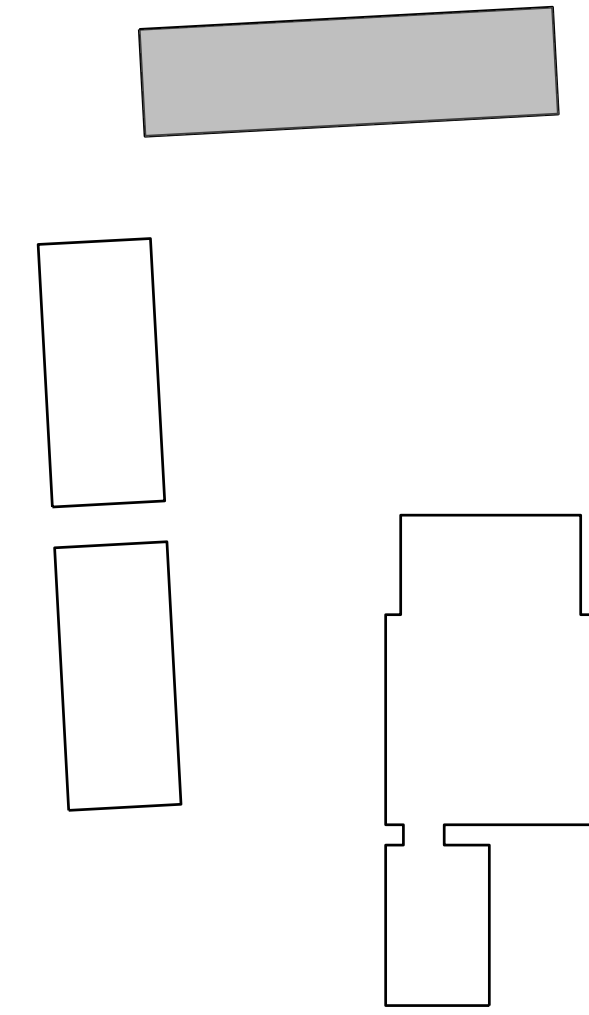
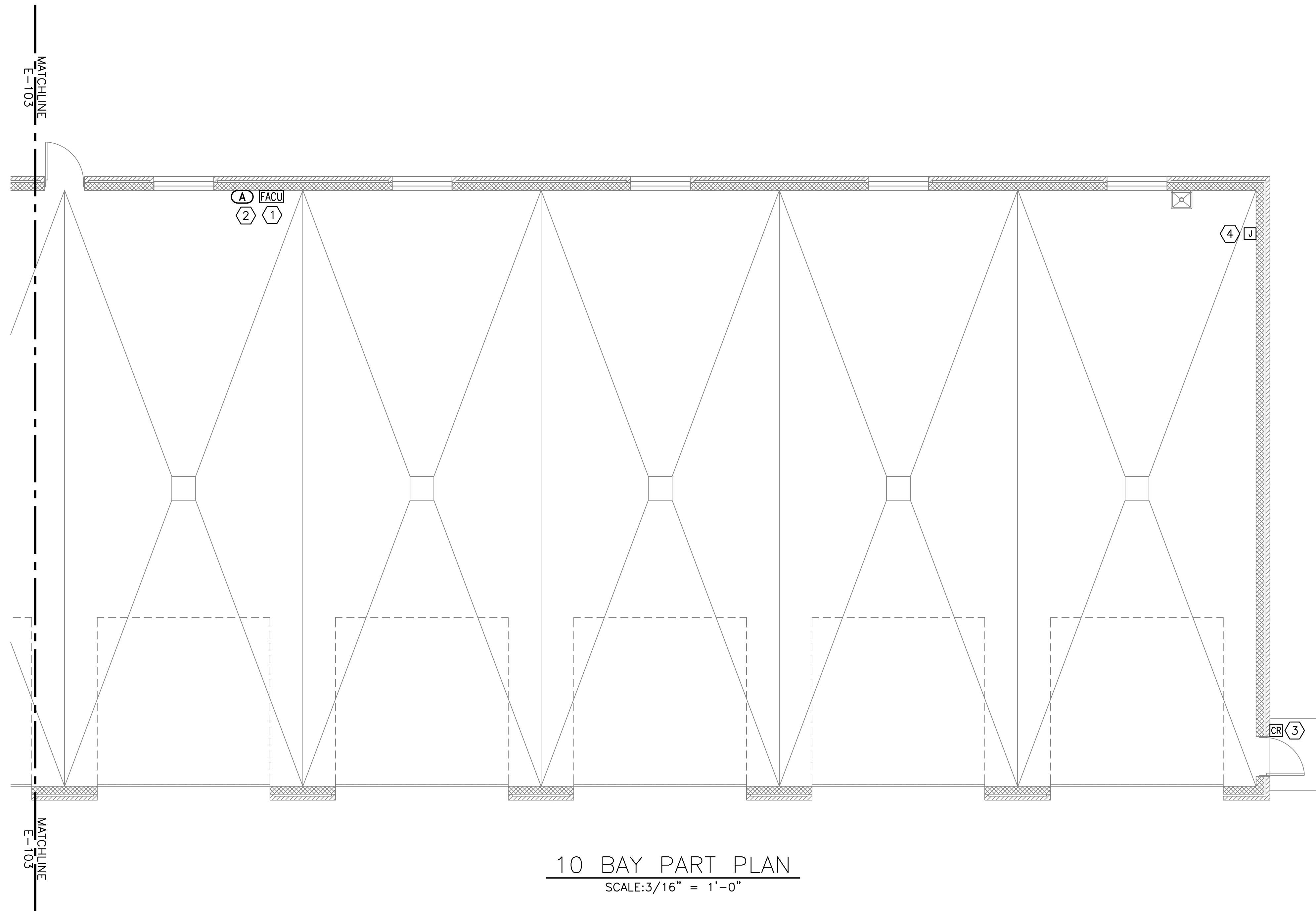
CONTRACT: 2026.08

SHEET NUMBER: E-103

58 OF 62

- NOTES:**
- SEE E-001 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
  - SEE SHEET E-501 FOR ACCESS CONTROL DETAILS.
  - SEE C-101 FOR SITE CONDUIT ROUTING.
  - SEE ARCHITECTURAL SHEETS FOR DOOR HARDWARE.

- KEYED NOTES:**
- UTILIZE SPACE IN THE EXISTING POWER PANEL LOCATED IN BUILDING TO PROVIDE A DEDICATED 120V, 20A CIRCUIT FEEDING THE FACU PANEL. PROVIDE (2) #12 AWG, (1) #12 GND IN 3/4" EMT CONDUIT. PROVIDE RED LOCKABLE GFCI BREAKER FOR DEDICATED FIRE ALARM CIRCUIT.
  - UTILIZE SPACE IN THE EXISTING POWER PANEL LOCATED IN BUILDING TO PROVIDE A DEDICATED 120V, 20A CIRCUIT FEEDING THE SPRINKLER COMPRESSOR. PROVIDE (2) #12 AWG, (1) #12 GND IN 3/4" EMT CONDUIT. PROVIDE RED LOCKABLE GFCI BREAKER FOR DEDICATED FIRE ALARM CIRCUIT.
  - PROVIDE DOOR HARDWARE PATHWAYS FOR DEVICES PROVIDED BY OTHERS. SEE E-501 FOR ACCESS CONTROL DETAIL.
  - UTILIZE SPACE IN THE EXISTING POWER PANEL LOCATED IN BUILDING TO PROVIDE A DEDICATED 120V, 20A CIRCUIT FEEDING THE SECURITY PANEL PROVIDED BY OTHERS. PROVIDE (2) #12 AWG, (1) #12 GND IN 3/4" EMT CONDUIT. MATCH EXISTING BREAKER TYPE GENERAL ELECTRIC 10KAIC.



Scale: 3/16" = 1'-0"



Scale: AS NOTED

No.	Revision	By	Date
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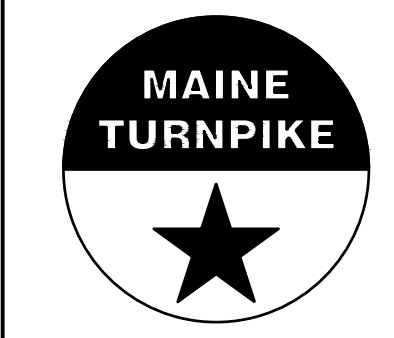
Designed by:  
COLBY COMPANY, LLC  
engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

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Designed	ACM	04/17/26	Checked	JMB	04/17/26
Drawn	ACY	04/17/26	In Charge of	MJK	



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**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JACQUELINE HANSEN

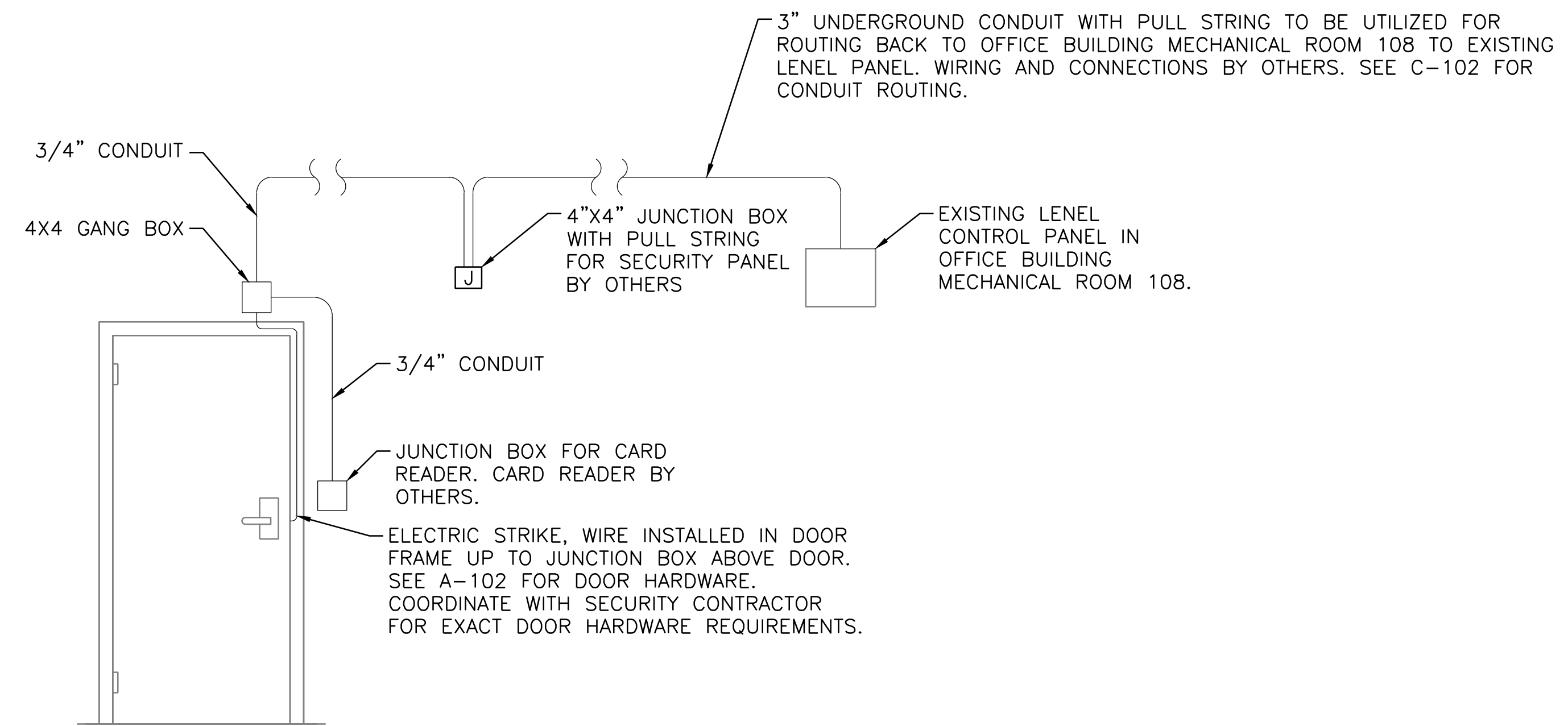
**KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY**

**10 BAY GARAGE PART PLAN**

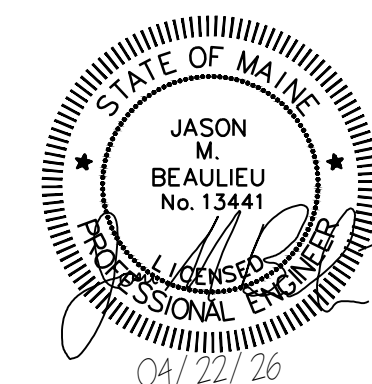
CONTRACT: 2026.08

SHEET NUMBER: E-104

59 OF 62



1 DETAIL-DOOR ACCESS CONTROL SYSTEM  
E-501 SCALE: NTS

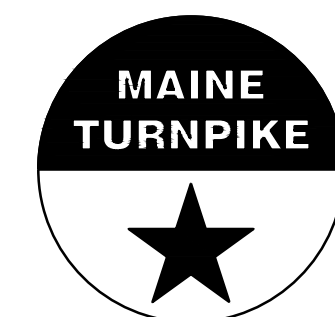


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engineering & design  
47A York Street, Portland, ME 04101  
207.553.7753



47A York St  
Portland, ME  
04101  
207.553.7753



THE GOLD STAR  
MEMORIAL HIGHWAY

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION  
MAINE TURNPIKE AUTHORITY

DETAILS

SHEET NUMBER: E-501

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

CONSULTANT PROJECT MANAGER: MIKE KELLEY			
	By	Date	
Designed	ACM	04/17/26	Checked
Drawn	ACY	04/17/26	In Charge of

MTA PROJECT MANAGER: JACQUELINE HANSEN

CONTRACT: 2026.08

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**NOTES:**  
 1. HATCHED CIRCUITS INDICATE EXISTING TO REMAIN.

LIGHTING FIXTURE SCHEDULE								
TYPE	DESCRIPTION	VOLT	MANUFACTURER (OR EQUAL)	LUMENS	COLOR TEMP	WATTAGE	MOUNTING	NOTES
A	4' LINEAR LED STRIP FIXTURE. WHITE MATTE FINISH, ROUND POLYCARBONATE DIFFUSED LENS.	120/277	ALBEO ALV3-0-4T-02-T-C8-PW	2000	3500K	16	SURFACE	
B	6" ROUND DOWNLIGHT, WHITE FINISH, WIDE DISTRIBUTION.	120/277	LUMINATION LRX-R6-11-9-SW	1100	3500K	13	RECESSED	
☒	DUAL HEAD LED EMERGENCY LIGHTING WITH TEST SWITCH. DAMP LOCATION LISTED. NICAD BATTERY BACKUP.	120/277	COMPASS CU2	-	-	1	WALL	
☒	WHITE THERMOPLASTIC EXIT SIGN, UNIVERSAL MOUNTING, RED LETTERING. NICAD BATTERY BACKUP	120/277	LUMINATION LUXER	-	-	2	WALL	

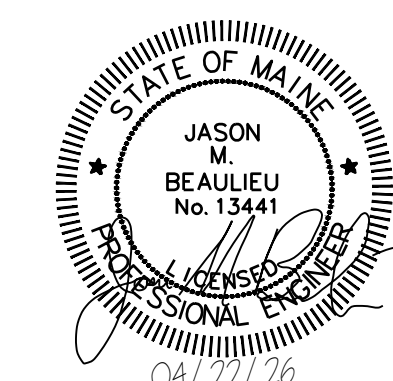
PANELBOARD NO:	(E) PANEL A	SC RATING:	10KA	200A AMP MCB
PANELBOARD TYPE:	SQUARE-D	MOUNTING:	SURFACE	200A AMP BUS (COPPER)
PANEL LOCATION:	8 BAY NORTH - SOUTH WALL	VOLTAGE:	208/120 3P - 4W	
SUPPLIED FROM:	GENERATOR HOUSE - MAIN SWITCHBOARD			



  

CKT NO.	TRIP AMPS	NO. POLES	WIRE SIZE	CONDUIT SIZE	LOAD SERVED	LOAD VA	φ	LOAD VA	LOAD SERVED	WIRE SIZE	CONDUIT SIZE	NO. POLES	TRIP AMPS	CKT NO.
1	50	2	-	-	SPARE		A	2000	RESTROOM LTGS, ATTIC LTG & RECEPTS (1)	(2) #12AWG, (1) #12 GND	3/4"	1	20	2
3							B	360	RECEPTS AT PANEL	(2) #12AWG, (1) #12 GND	3/4"	1	20	4
5	20	1	-	-	INTERIOR LTG GARAGE BAYS		C	50	CP-1	(2) #12AWG, (1) #12 GND	3/4"	1	20	6
7	20	1	(2) #12AWG, (1) #12 GND	3/4"	OVERHEAD DOORS 1,2,3,4 (1)	3120	A		EXT RECEPTS	-	-	1	20	8
9	20	1	(2) #12AWG, (1) #12 GND	3/4"	OVERHEAD DOORS 5,6,7,8 (1)	3120	B		RECEPTS (1)	(2) #12AWG, (1) #12 GND	3/4"	1	20	10
11	20	2	(2) #12AWG, (1) #12 GND	3/4"	D-STRAT FANS		C	250	ERV-1	(2) #12AWG, (1) #12 GND	3/4"	1	20	12
13							A							14
15	20	2	-	3/4"	NORTH GAS UNIT HEATER		B		AIR COMPRESSOR	-	-	2	40	16
17							C		RECEPTS BACK WALL AND POLES (2)	-	-	1	20	18
19	20	1	-	3/4"	EXT LTG/PHOTOCELL		A		RECEPTS BACK WALL AND POLES (2)	-	-	1	20	20
21	20	2	-	3/4"	SIGN SHOP		B		RECEPTS (2)	-	-	1	20	22
23							C							24
25	20	1	(2) #12AWG, (1) #12 GND	3/4"	FACU (3)	400	A		SOUTH GAS UNIT HEATER	-	-	2	20	26
27	20	1	(2) #12AWG, (1) #12 GND	3/4"	SECURITY PANEL	150	B	-	GENERATOR CHARGER	(2) #10 AWG, (1) #10 GND	3/4"	1	30	28
29	20	1	(2) #12AWG, (1) #12 GND	3/4"	RECEPTS FRONT (2)	900	C	180	RECEPTS RESTROOM	(2) #12AWG, (1) #12 GND	3/4"	1	20	30
31	20	1	-	-	SPARE		A	400	WATER COOLER (2)	(2) #12AWG, (1) #12 GND	3/4"	1	20	32
33	30	2	(2) #10 AWG, (1) #10 GND	3/4"	ELEC. WATER HEATER EWH-1	2437	B	1331	HP-1 & CU-1	(2) #10 AWG, (1) #10 GND	3/4"	2	30	34
35						2437	C	1331						36
37	20	1	(2) #12AWG, (1) #12 GND	3/4"	SPRINKLER COMPRESSOR (3)	1000	A	3480	ELEC. WATER HEATER EWH-2	(2) #10 AWG, (1) #10 GND	3/4"	1	30	38
39							B							40

TOTAL PHASE A LOAD =	10.4 kVA	NOTES:	(1) RECONNECT EXISITNG CIRCUIT.
TOTAL PHASE B LOAD =	7.4 kVA		(2) GFCI CIRCUIT BREAKER.
TOTAL PHASE C LOAD =	5.1 kVA		(3) PROVIDE RED LOCKABLE BREAKER FOR DETICATED FIRE ALARM CIRCUIT.
TOTAL CONNECTED LOAD =	22.9 kVA		



Scale: AS NOTED		Designed by: COLBY COMPANY, LLC engineering & design 47A York Street, Portland, ME 04101 207.553.7753				<b>THE GOLD STAR MEMORIAL HIGHWAY</b>	<b>KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION MAINE TURNPIKE AUTHORITY</b>	<b>SCHEDULE - LIGHTING FIXTURE &amp; PANEL A</b>
No.	Revision	By	Date					
				By	Date	By	Date	CONTRACT: 2026.08
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26	Designed	ACM 04/17/26	Checked	JMB 04/17/26	
				Drawn	ACY 04/17/26	In Charge of	MJK	MTA PROJECT MANAGER: JACQUELINE HANSEN

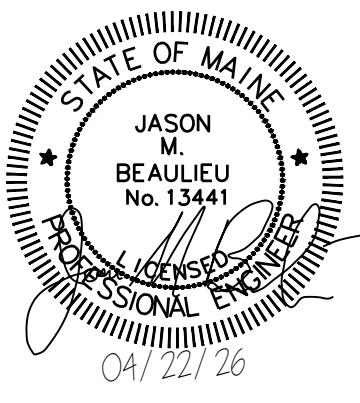
PANELBOARD NO:		PANEL B		SC RATING:		10KA			
PANELBOARD TYPE:		SQUARE-D		MOUNTING:		SURFACE		200 AMP MCB	
PANEL LOCATION:		8 BAY SOUTH - SOUTH WALL		VOLTAGE:		208/120 3P - 4W		200 AMP BUS (COPPER)	
SUPPLIED FROM:		GENERATOR HOUSE - SWITCHBOARD							

CKT NO.	TRIP AMPS	NO. POLES	WIRE SIZE	CONDUIT SIZE	LOAD SERVED	LOAD VA	φ	LOAD VA	LOAD SERVED	WIRE SIZE	CONDUIT SIZE	NO. POLES	TRIP AMPS	CKT NO.
1							A		SPACE			1		2
3	50	2			SPARE		B		GAS BURNER SWITCH	(2) #12AWG, (1) #12 GND	3/4"	1	20	4
5							C		BACK WALL RECEPPTS (1)(2)	(2) #12AWG, (1) #12 GND	3/4"	1	20	6
7	20	2	(2) #12AWG, (1) #12 GND	3/4"	NORTH GAS UNIT HEATER (1)		A		EXTERIOR RECEPPTS (1)(2)	(2) #12AWG, (1) #12 GND	3/4"	1	20	8
9							B		POLE RECEPPTS (1)(2)	(2) #12AWG, (1) #12 GND	3/4"	1	20	10
11	20	2	(2) #12AWG, (1) #12 GND	3/4"	SOUTH GAS UNIT HEATER (1)		C		FRONT RECEPPTS (2)	(2) #12AWG, (1) #12 GND	3/4"	1	20	12
13	20	1	(2) #12AWG, (1) #12 GND	3/4"	INTERIOR LIGHTS (1)		A		RECEPPTS AT PANEL	(2) #12AWG, (1) #12 GND	3/4"	1	20	14
15	20	1	(2) #12AWG, (1) #12 GND	3/4"	OVERHEAD DOORS 1,2,3,4 (1)	3120	B		EXT. LTG/PHOTOCELL (1)	(2) #12AWG, (1) #12 GND	3/4"	1	20	16
17	20	1	(2) #12AWG, (1) #12 GND	3/4"	OVERHEAD DOORS 5,6,7,8 (1)	3120	C		ELEC. WATER HEATER (1)	(2) #12AWG, (1) #12 GND	3/4"	1	20	18
19					SPACE		A							20
21	20	1	(2) #12AWG, (1) #12 GND	3/4"	EF-1 & DAMPER (1)		B		D-STRAT FANS	(2) #12AWG, (1) #12 GND	3/4"	2	20	22
23	20	1	(2) #12AWG, (1) #12 GND	3/4"	SPRINKLER COMPRESSOR (3)	1000	C	400	FACU (3)	(2) #12AWG, (1) #12 GND	3/4"	1	20	24
25	20	1	(2) #12AWG, (1) #12 GND	3/4"	SECURITY PANEL	150	A							26
27							B							28
29							C							30
31							A							32
33							B							34
35							C							36
37							A		AIR COMPRESSOR	(3) #10 AWG, (1) #10 GND	3/4"	3	30	38
39							B							40

TOTAL PHASE A LOAD =	0.2 kVA	NOTES:
TOTAL PHASE B LOAD =	3.1 kVA	(1) RECONNECT EXISTING CIRCUIT.
TOTAL PHASE C LOAD =	4.5 kVA	(2) GFCI CIRCUIT BREAKER
TOTAL CONNECTED LOAD =	7.8 kVA	(3) PROVIDE RED LOCKABLE BREAKER FOR DEDICATED FIRE ALARM CIRCUIT.



Scale: AS NOTED

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 MAINE TURNPIKE AUTHORITY**

**SCHEDULE - PANEL B**

No.	Revision	By	Date
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

CONSULTANT PROJECT MANAGER: MIKE KELLEY			
	By	Date	
Designed	ACM	04/17/26	Checked
Drawn	ACY	04/17/26	In Charge of

MTA PROJECT MANAGER: JACQUELINE HANSEN

CONTRACT: 2026.08

SHEET NUMBER: E-602