

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



SOUTH PARIS MAINTENANCE SALT BUILDING

SPECIFICATIONS

Design:
-International Building Code 2009
-ACI 318-14

DESIGN LOADING

Live Load Impact of 30,000lb Vehicle
Ground Snow Load 90psf
Wind Velocity 100mph
General Exposure Category 'C', Risk Category I

MATERIALS

Reinforcing Steel ASTM A615, Grade 60, Epoxy Coated
Structural Steel:
All Material (U.N.O.) ASTM A36, Grade 36, Galvanized

BASIC DESIGN STRESSES

Concrete $f'c = 4,000$ psi
Reinforcing Steel $f_y = 60,000$ psi

LIST OF DRAWINGS

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Foundation Plan	3
Foundation Reinforcing Plan	4
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Backwall Reinforcing Details	10
Typical Framing Details	11
West & East End Wall Framing Details	12
Electrical Plan	13

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED: *[Signature]*
COMMISSIONER: *[Signature]*
DATE: 5-24-23
CHIEF ENGINEER: *[Signature]*

REGISTERED PROFESSIONAL ENGINEER
STATE OF MAINE
GREGORY MACALISTER
P.E. NO. 14077
MARCH 2023

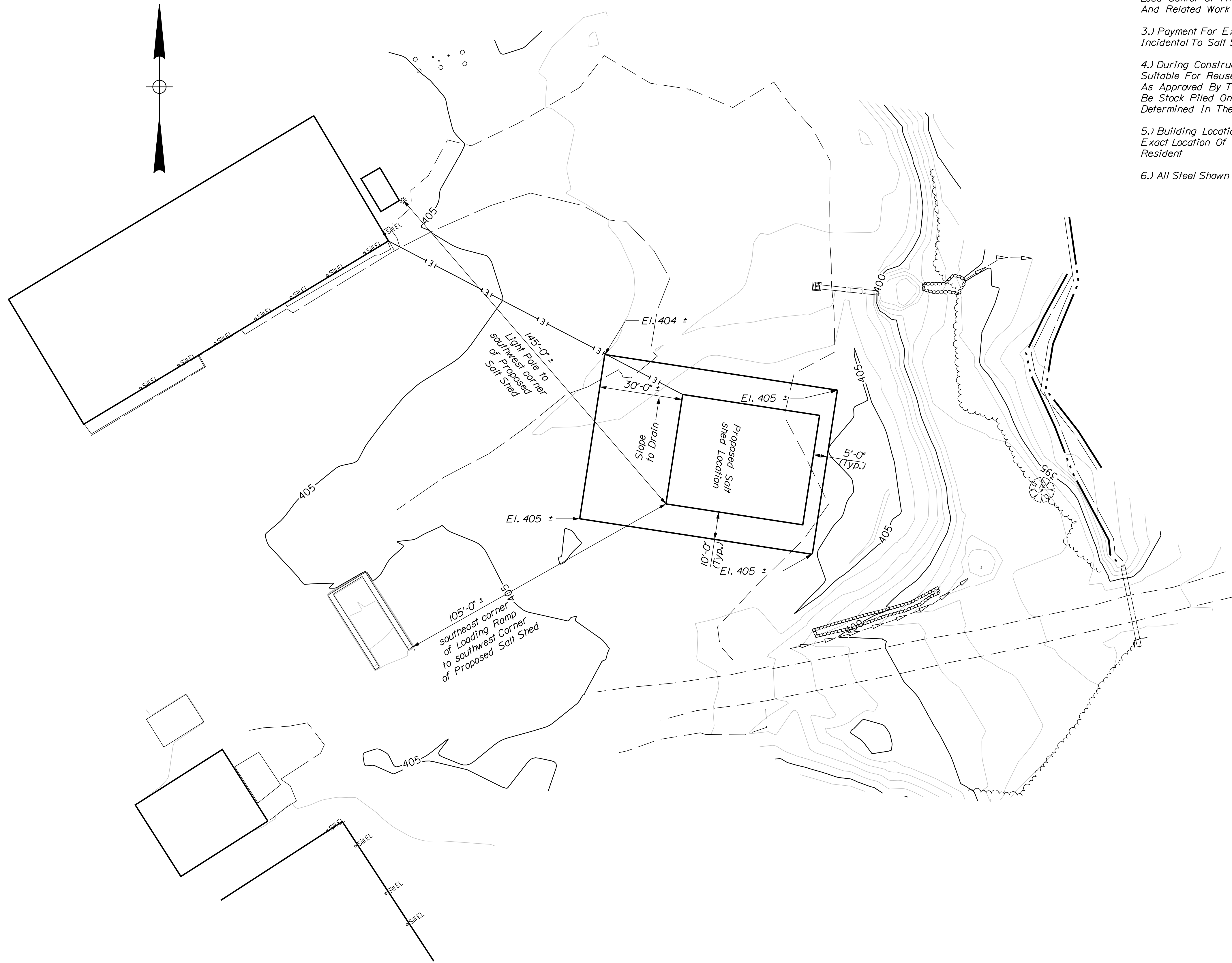
PROJECT INFORMATION	
PROGRAM	M. MOHAMUD
PROJECT MANAGER	CALDERWOOD ENGINEERING
DESIGNER	
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

SOUTH PARIS MAINTENANCE
SALT BUILDING
TITLE SHEET

SHEET NUMBER
1
OF 13

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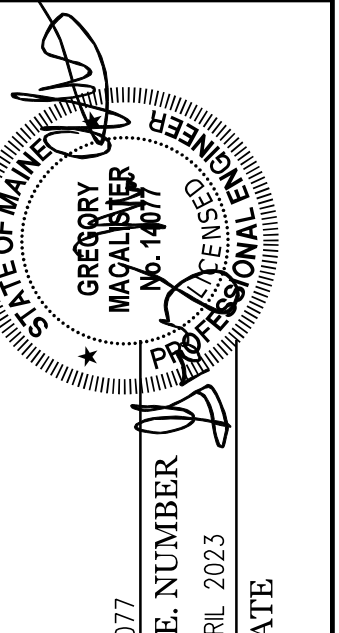
<u>PROJECT LOCATION:</u>	251 Park Street South Paris, Maine 04281
<u>PROGRAM AREA:</u>	Highway Maintenance Program
<u>OUTLINE OF WORK:</u>	Construction of Salt Storage Building



NOTES:

- 1.) Pavement Damaged Due To Excavation And Construction Is To Be Replaced By Contractor At No Additional Cost To Maine Dot.
- 2.) Contractor Will Be Required To Excavate, Supply, Install, Backfill And Compact Per National Electrical Code (Nec) Up To 300 Ft. Of Schedule 80, 2" ϕ Conduit. The Actual Location, Orientation, And Placement Of The Conduit Shall Be Determined By The Resident Engineer. The Contractor Will Be Required To Provide And Pull 3 Runs Of 1/0 Aluminum Cable And 1 Run Of #6 Aluminum Ground Cable From The Load Center Of The New Building. Payment For Electrical Supply, Conduit Installation And Related Work Shall Be Considered Incidental To The Salt Shed Building.
- 3.) Payment For Excavation And Backfill, Including Gravel, Shall Be Considered Incidental To Salt Shed Building.
- 4.) During Construction, If It Is Determined That There Is Excavation Material Suitable For Reuse, The Contractor May Use The Excavated Material For Backfill As Approved By The Resident. All Excavated Material Unsuited For Reuse Shall Be Stock Piled On Site For Future Use. Exact Location Of Stock Pile Shall Be Determined In The Field By The Resident.
- 5.) Building Location And Elevations Shown Are Approximate. Exact Location Of Building And Elevations To Be Determined In Field By Resident
- 6.) All Steel Shown In Plans Shall Be Galvanized Unless Noted Otherwise.

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SOUTH PARIS, ME SALT SHED
 WIN 026489.00

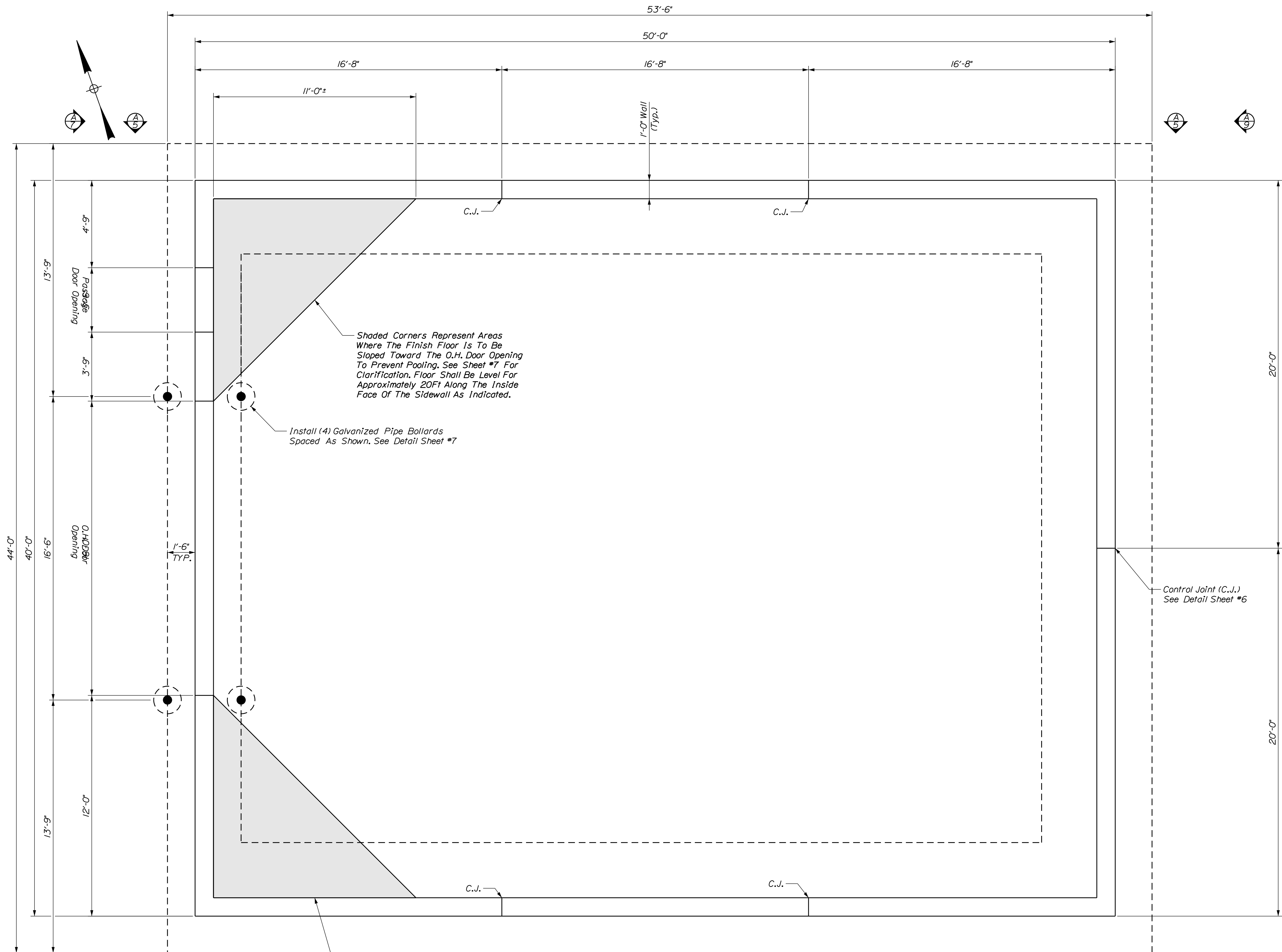


DATE	BY	MSM	GNM	REVISIONS
MAR. 2023	BIC			REVISIONS 1
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GENERAL PLAN

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Shaded Corners Represent Areas Where The Finish Floor Is To Be Sloped Toward The O.H. Door Opening To Prevent Pooling. See Sheet #7 For Clarification. Floor Shall Be Level For Approximately 20Ft Along The Inside Face Of The Sidewall As Indicated.

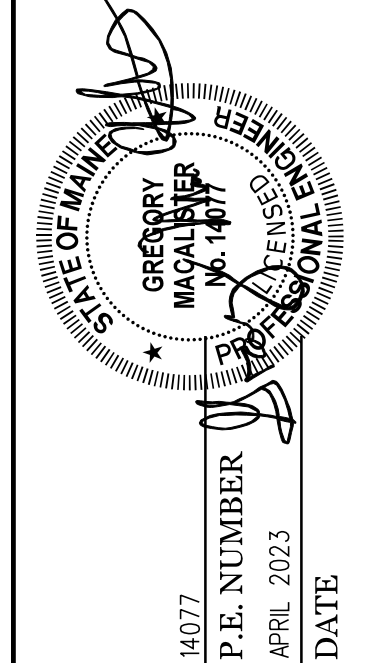
Install (4) Galvanized Pipe Bollards Spaced As Shown. See Detail Sheet #7

Control Joint (C.J.) See Detail Sheet #6

High Point Of Sloped Corners. Elevation 406.11

FOUNDATION PLAN
 3/8" = 1'-0"

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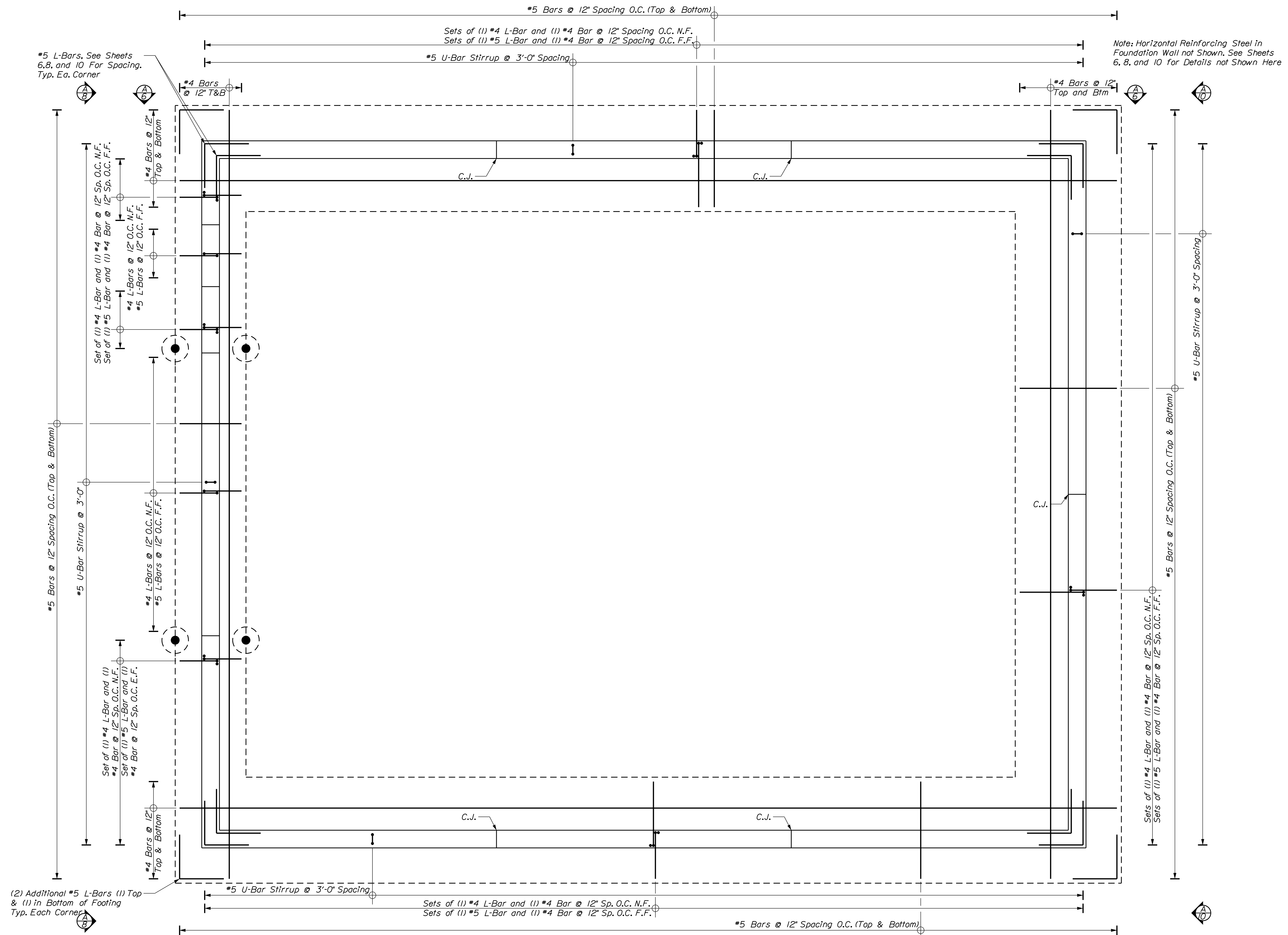


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MAR. 2023	BJC									
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FOUNDATION PLAN

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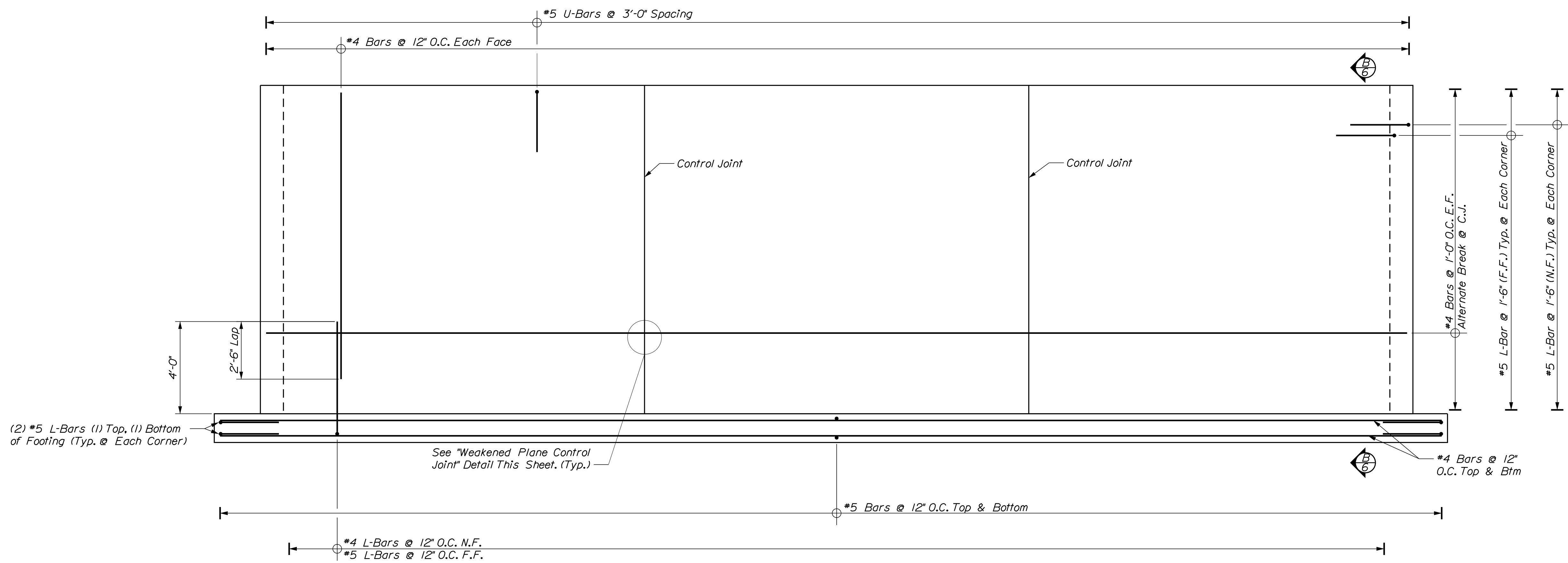
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FOUNDATION REINFORCING PLAN

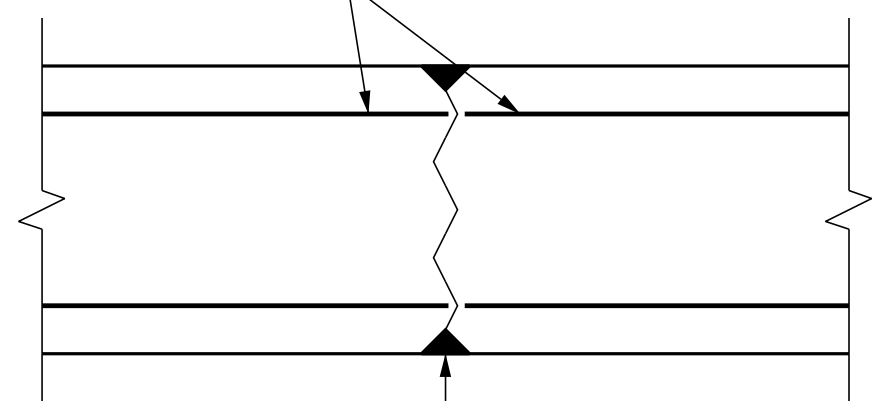
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 OF 13

FOUNDATION PLAN
 3/8" = 1'-0"



(A) SIDEWALL REINFORCING ELEVATION
1/2" = 1'-0"

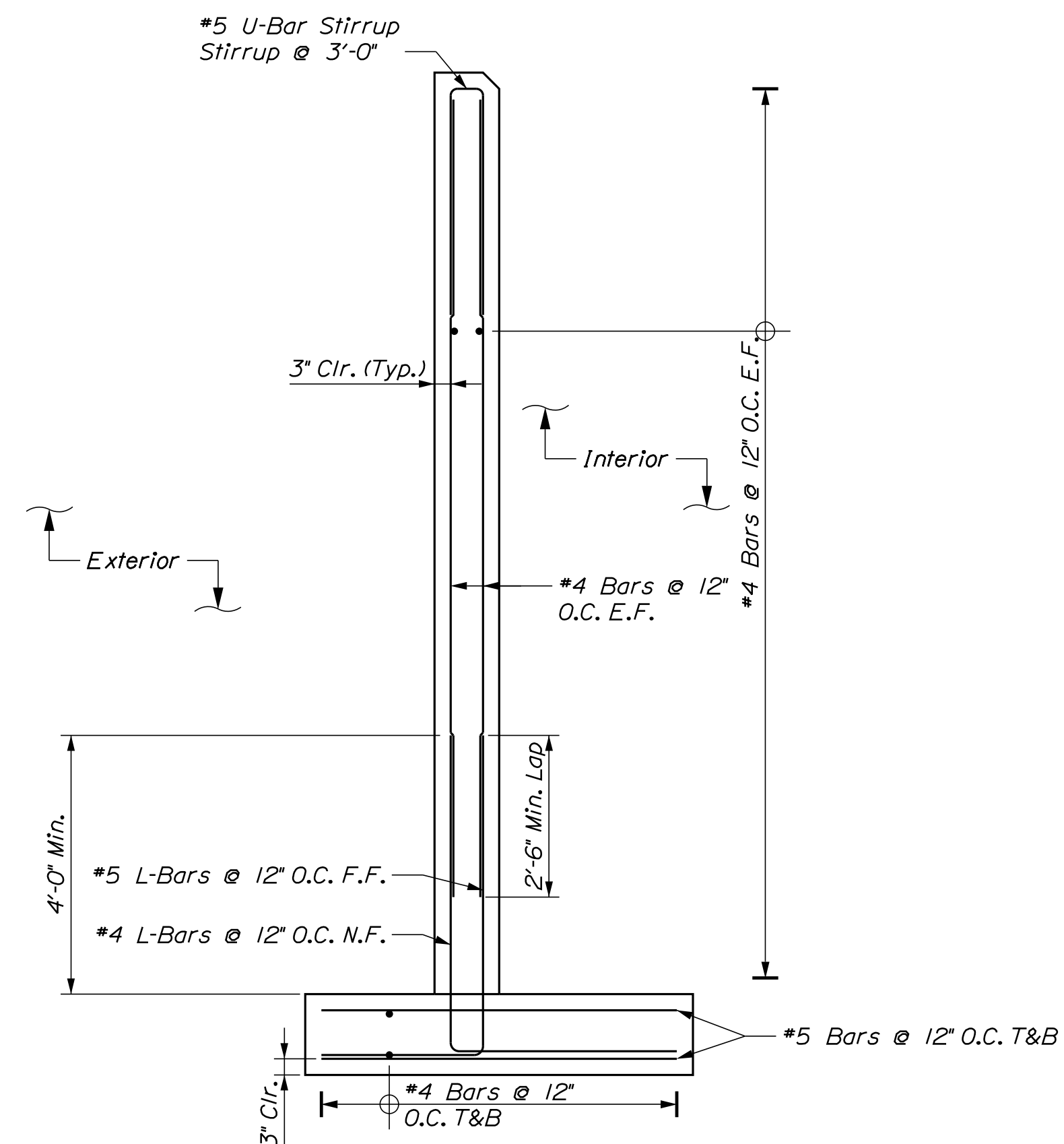
Cut or Butt Every Other Piece of Horizontal Reinforcing Steel @ Control Joint Locations



Install 1" Chamfer on Each Side of Wall Form for Full Height @ Control Joint Locations

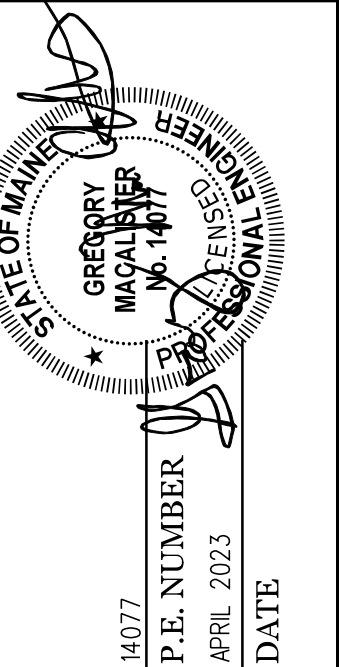
Clean Out Chamfer and Fill Joint Flush W/ Face of Wall Using Sikaflex 1A or Equivalent on the Inside Face of Wall and on the Outside Face From 6" Below Finish Grade to Top of Wall

WEAKENED PLANE CONTROL JOINT
1/2" = 1'-0"



(B) SIDEWALL SECTION
1/2" = 1'-0"

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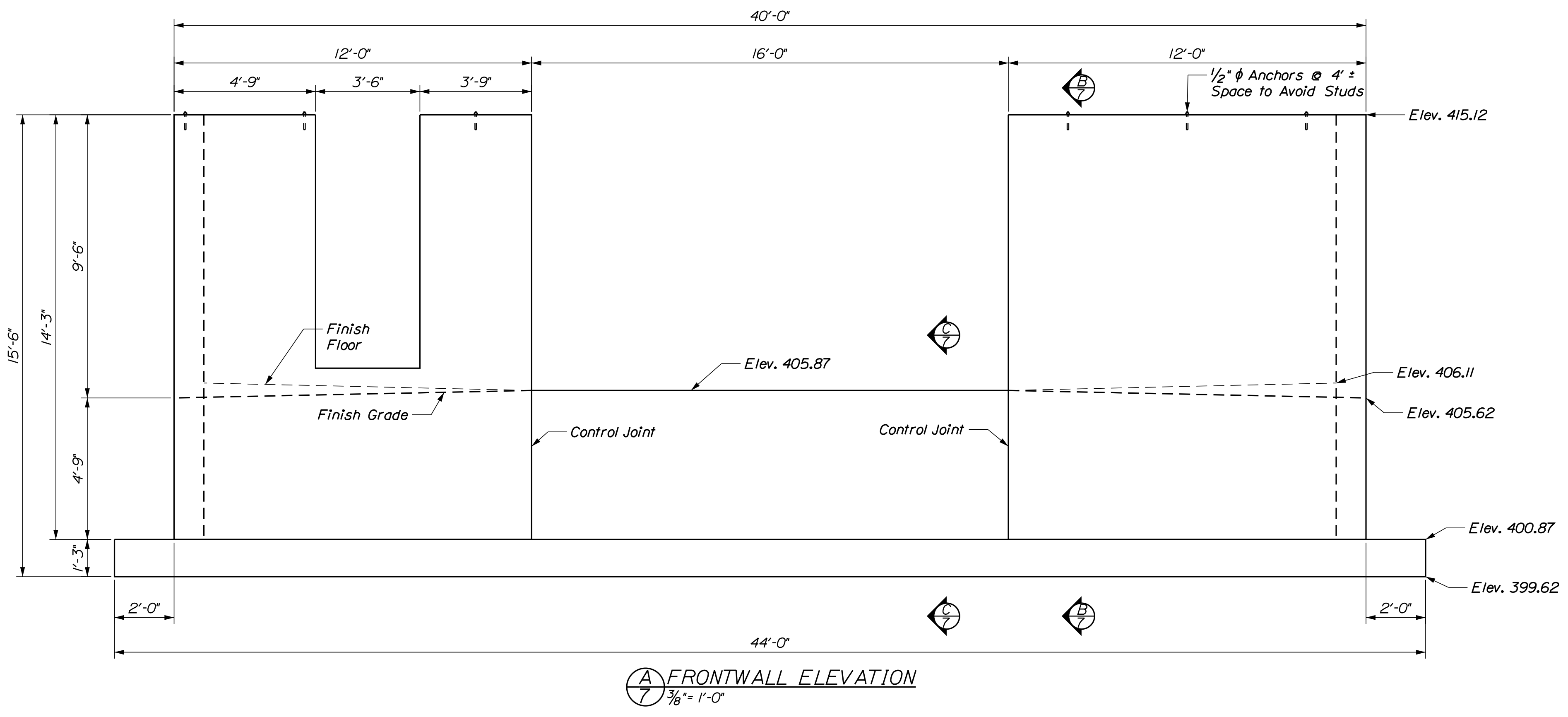
SOUTH PARIS MAINTENANCE SALT BUILDING
SIDEWALL REINFORCING DETAILS

SHEET NUMBER

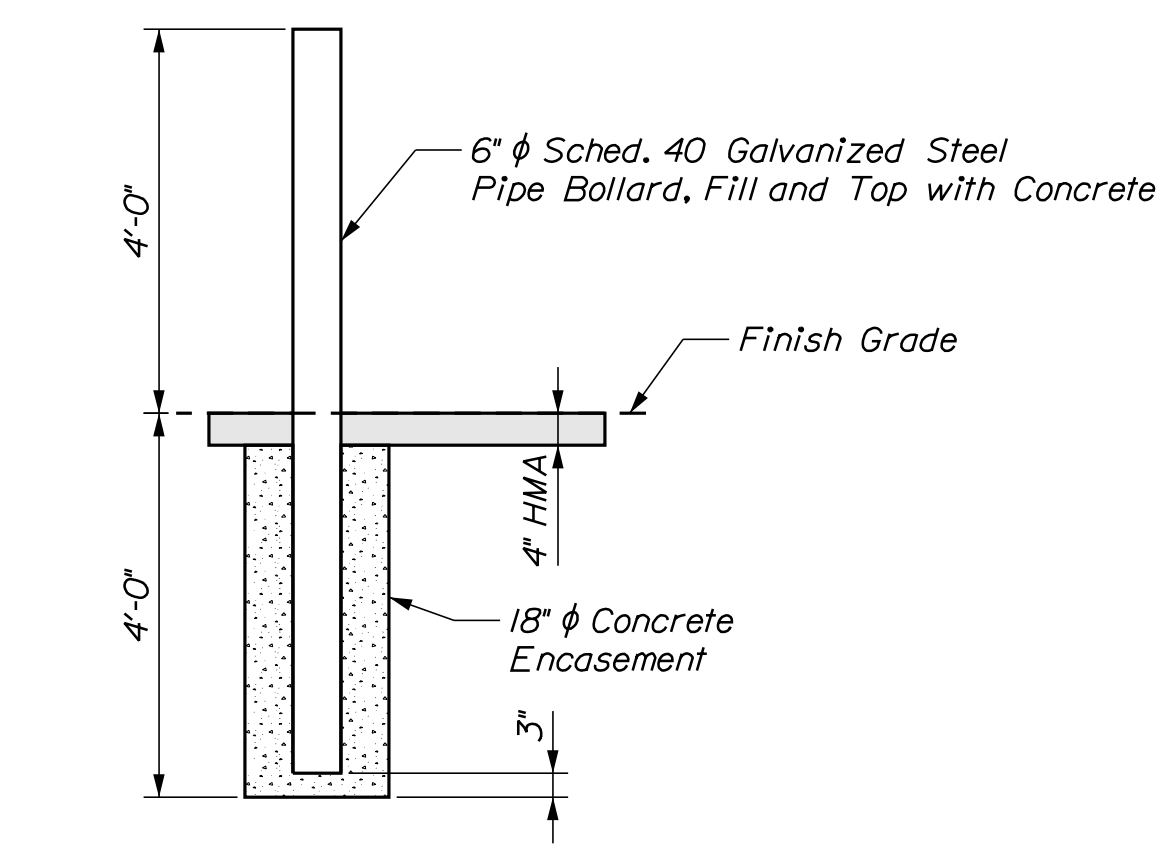
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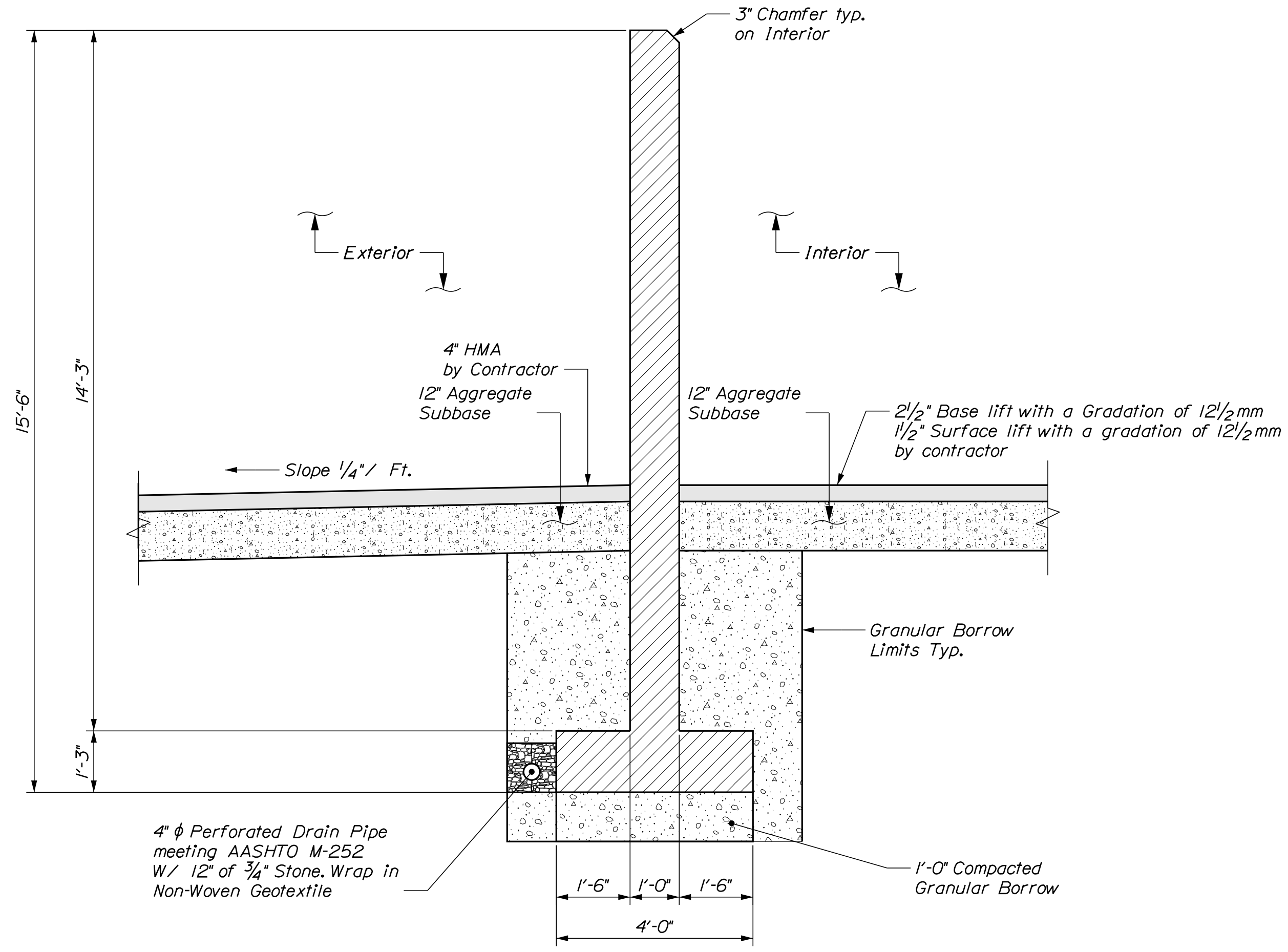




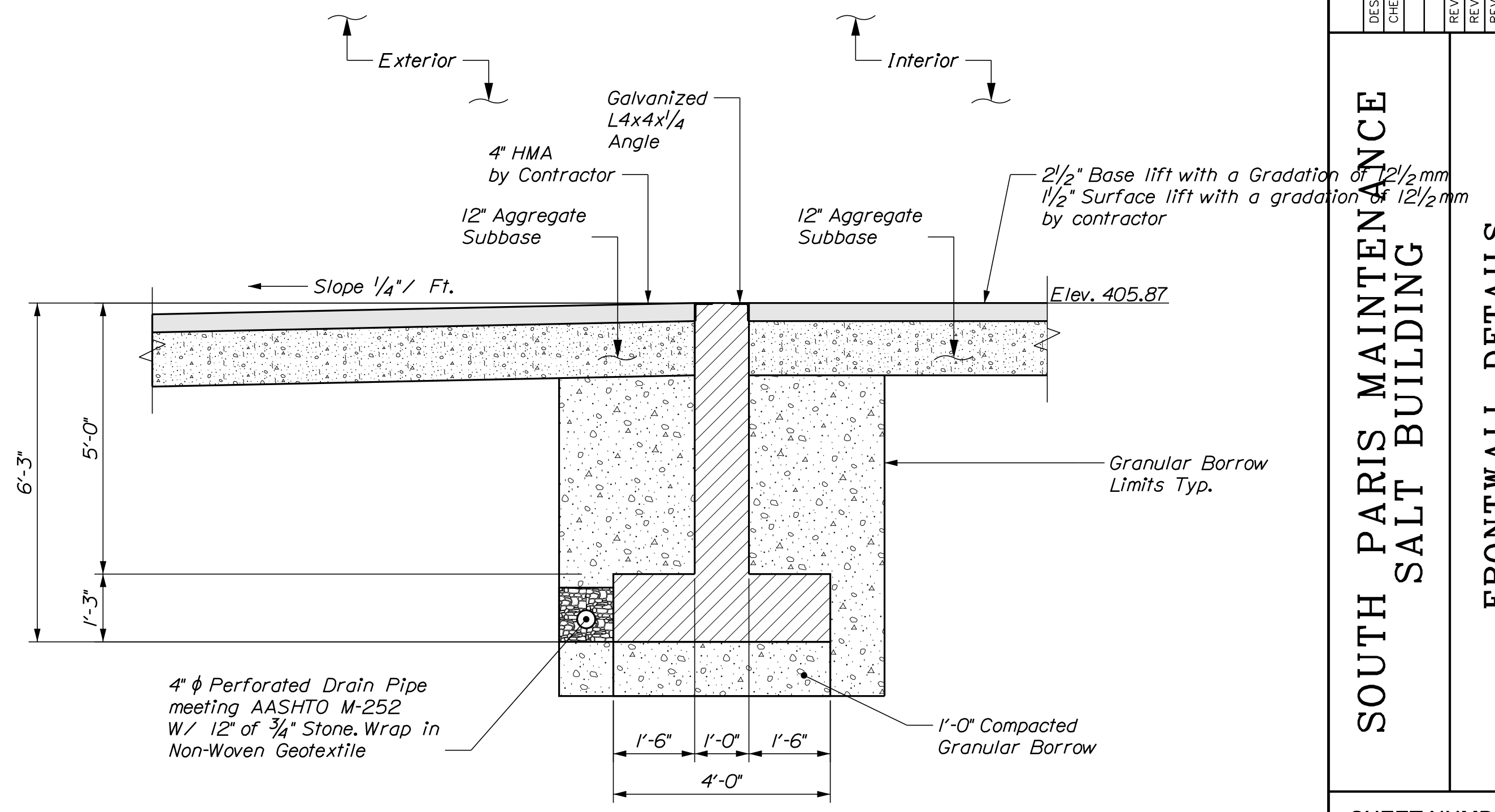
A FRONTWALL ELEVATION
 7/8" = 1'-0"



PIPE BOLLARD DETAIL
 1/2" = 1'-0"

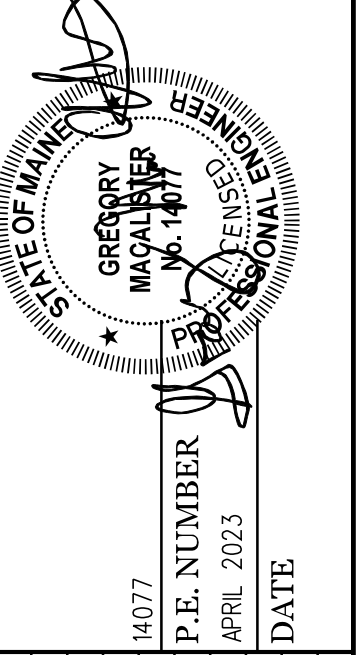


B FRONTWALL SECTION
 7/8" = 1'-0"



C SECTION @ OVERHEAD DOOR
 7/8" = 1'-0"

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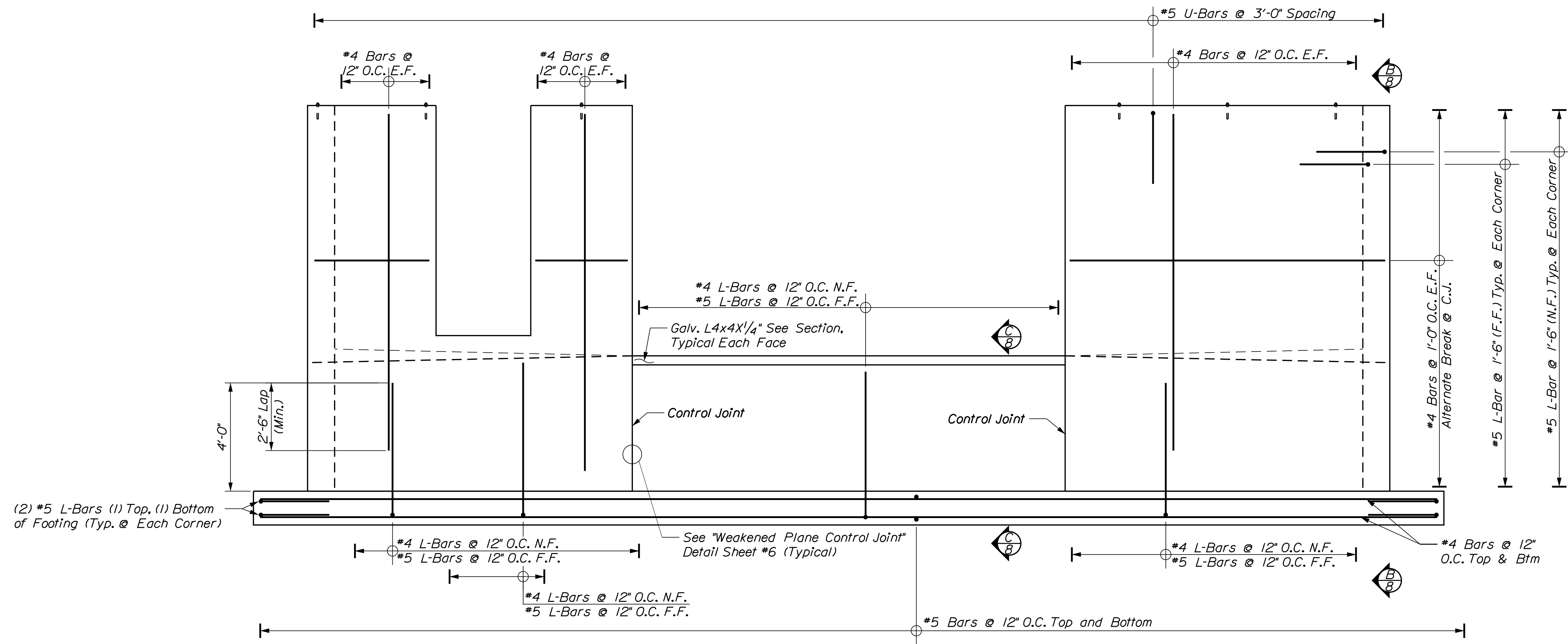
SOUTH PARIS MAINTENANCE SALT BUILDING
FRONTWALL DETAILS

SHEET NUMBER

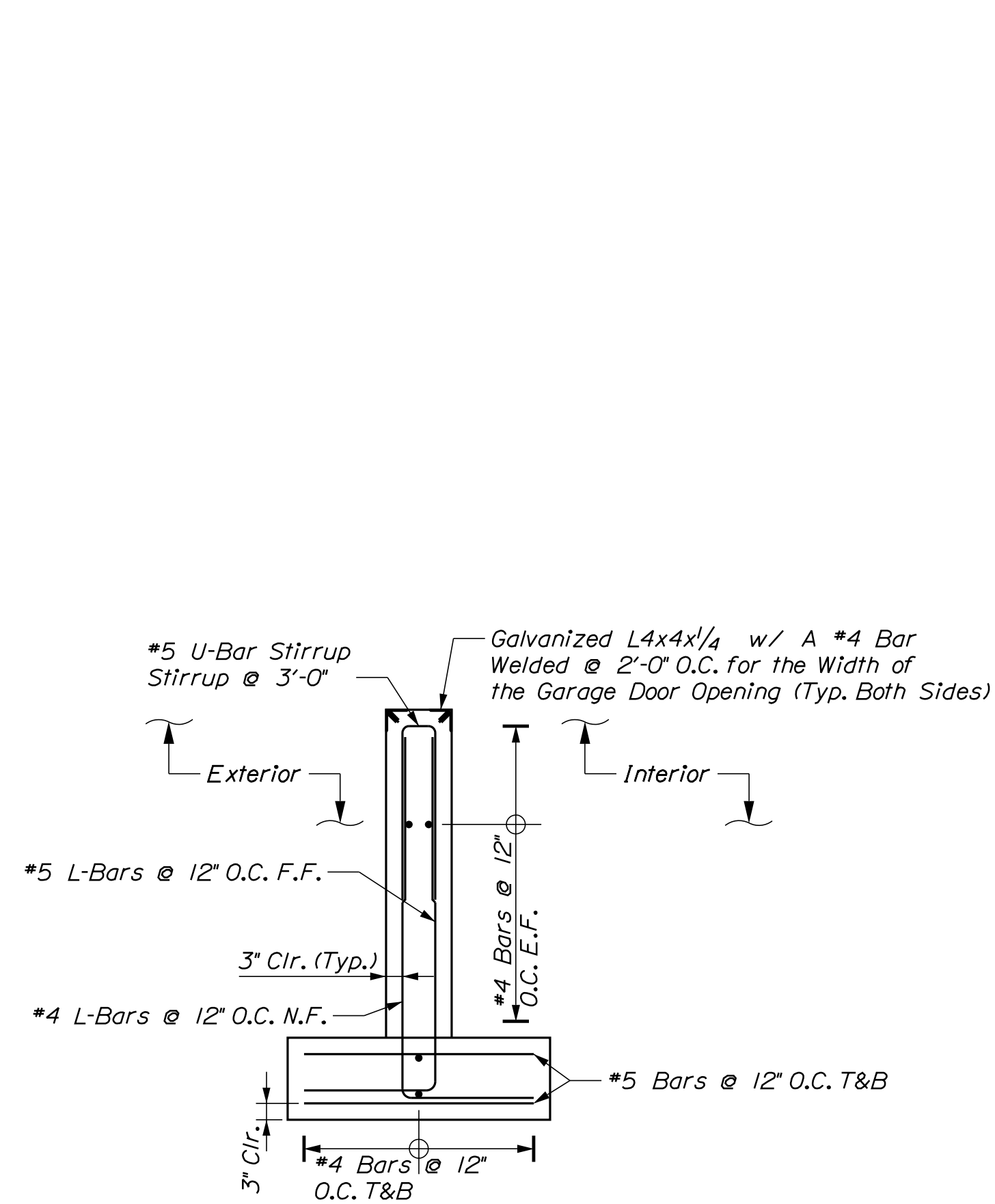
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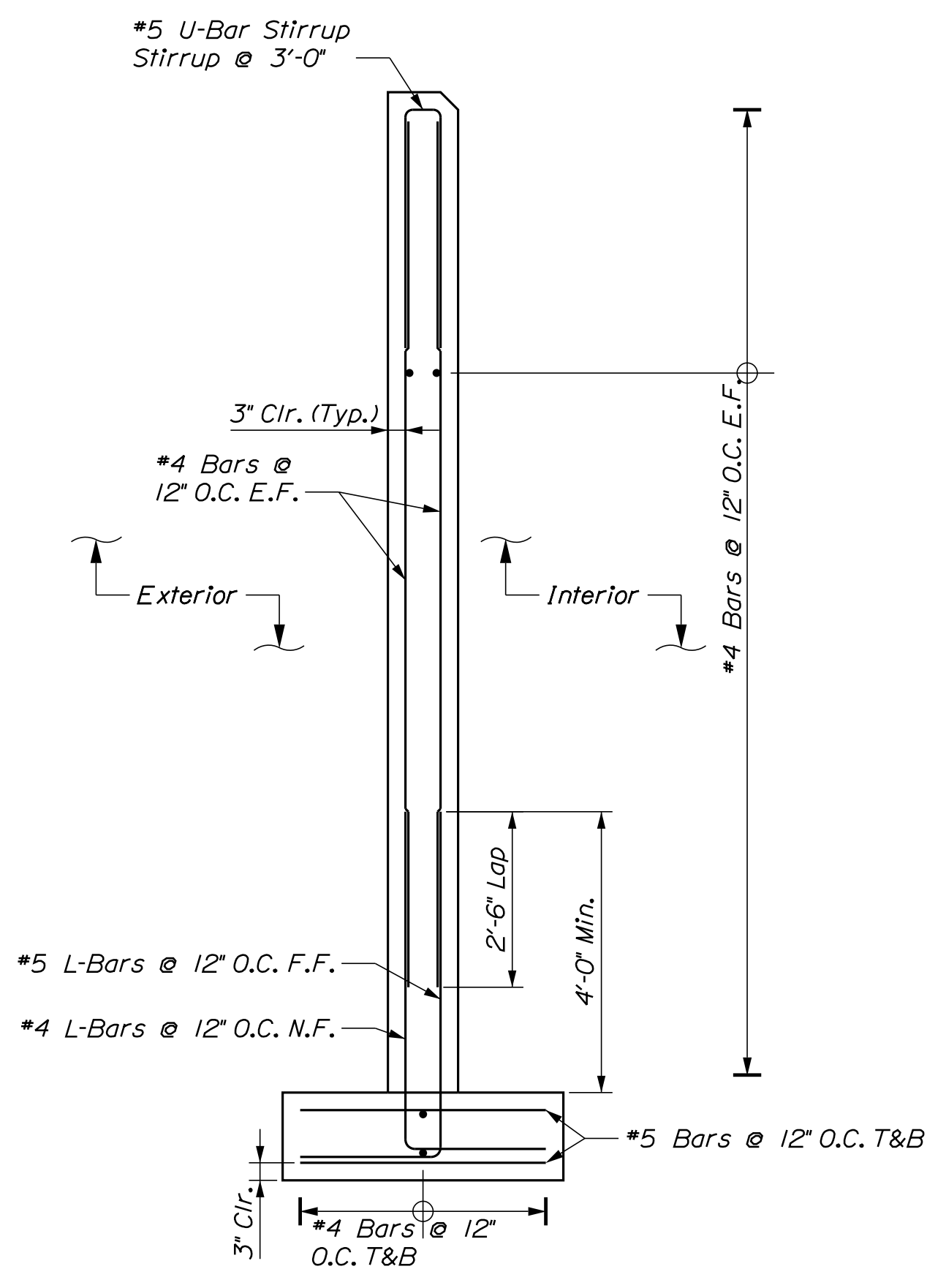




(A) FRONTWALL ELEVATION
 $\frac{3}{8}'' = 1'-0''$

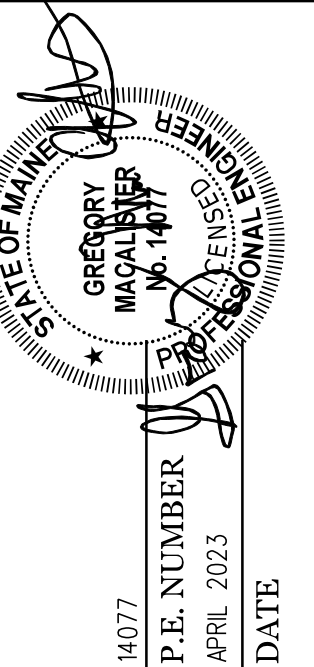


(C) OVERHEAD DOOR SECTION
 $\frac{1}{2}'' = 1'-0''$



(B) FRONTWALL SECTION
 $\frac{1}{2}'' = 1'-0''$

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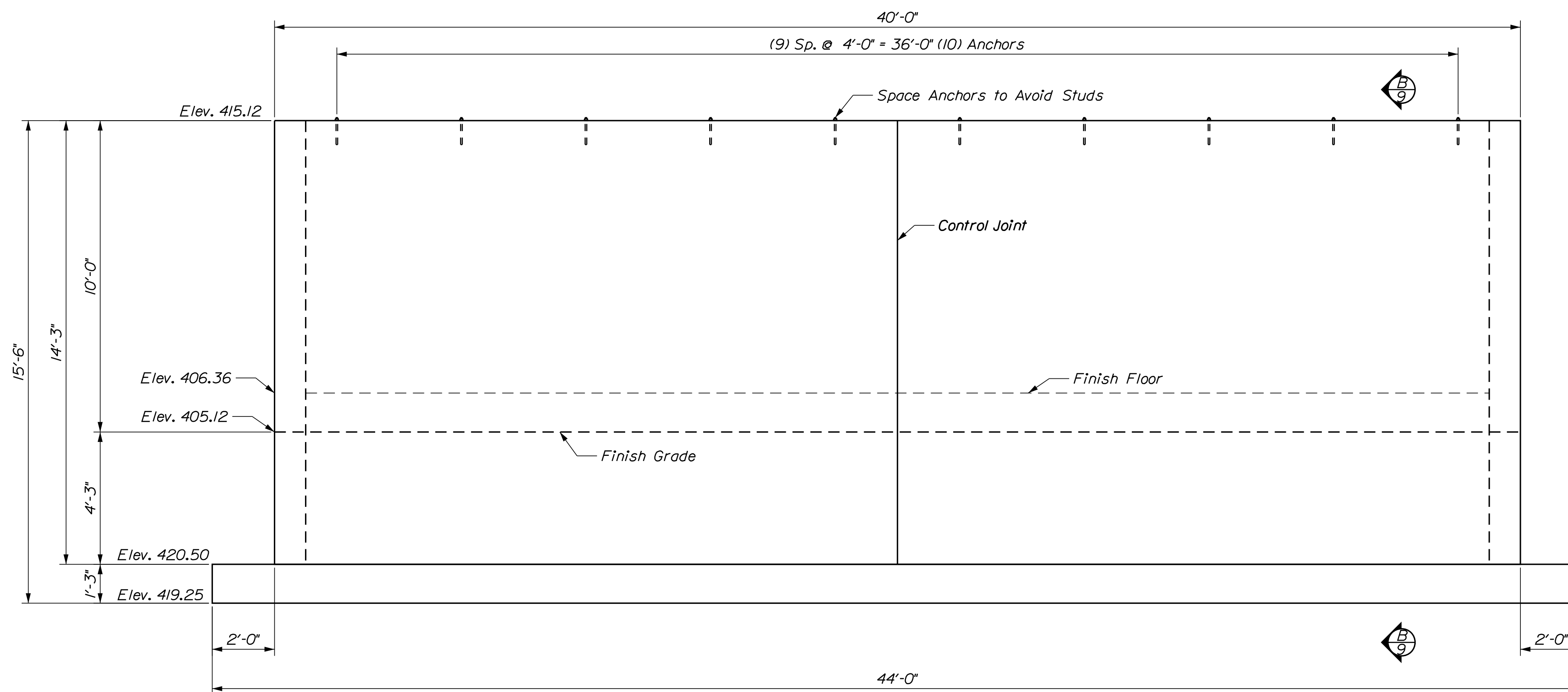
SOUTH PARIS MAINTENANCE
 SALT BUILDING
 FRONTWALL REINFORCING

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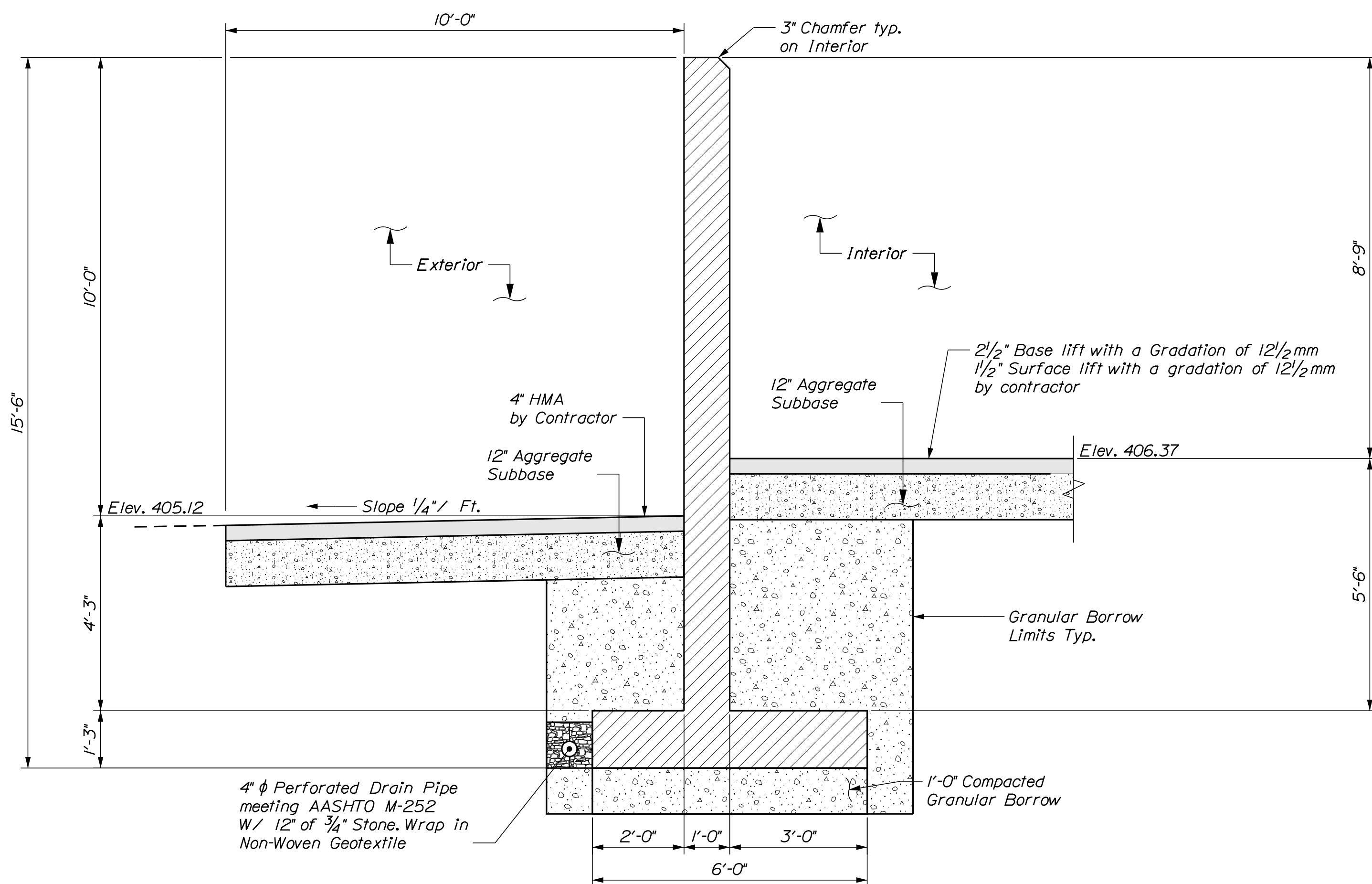
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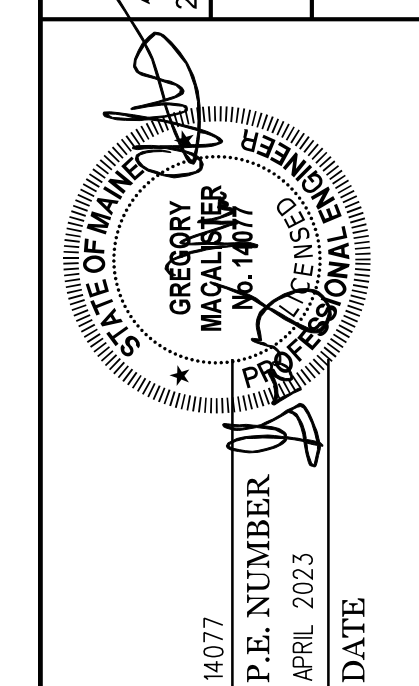


(A) BACKWALL ELEVATION
 9 3/8" = 1'-0"



(B) BACKWALL SECTION
 9 1/2" = 1'-0"

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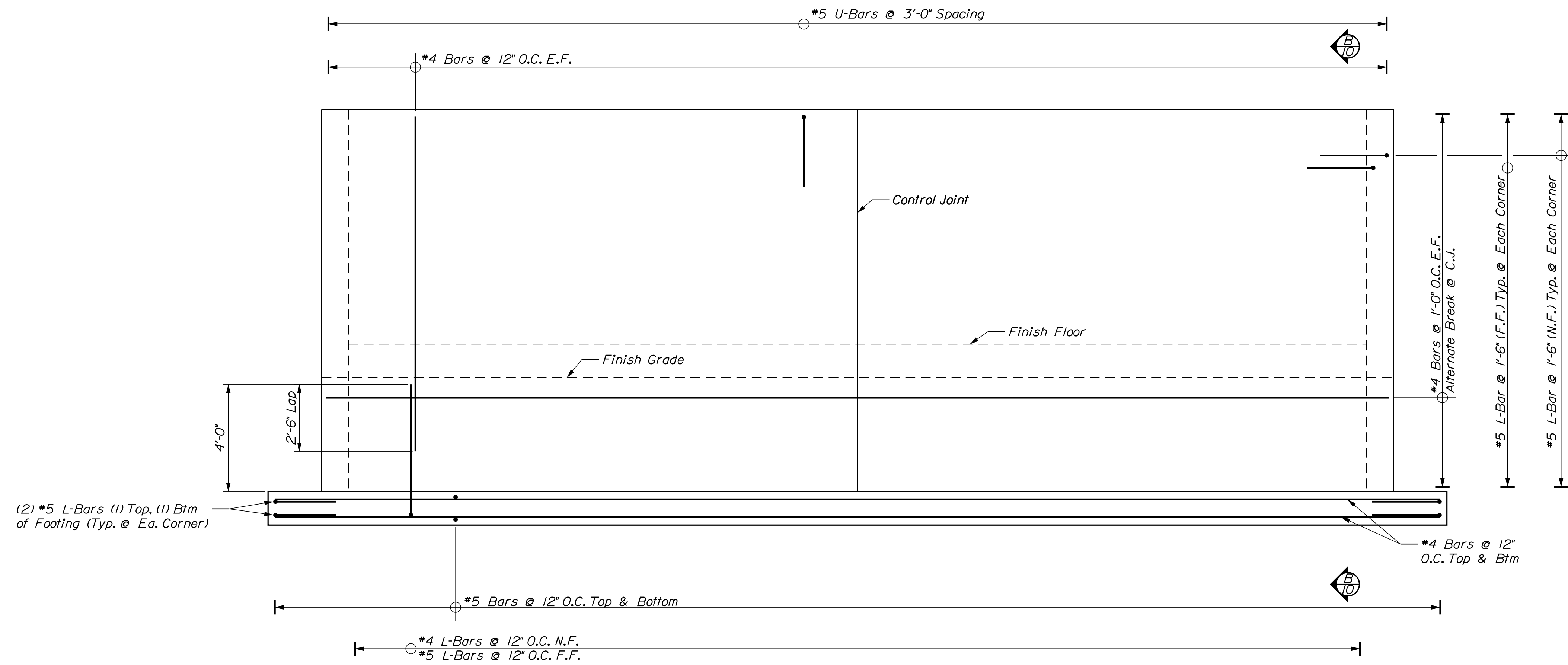


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MAR. 2023	JUH									

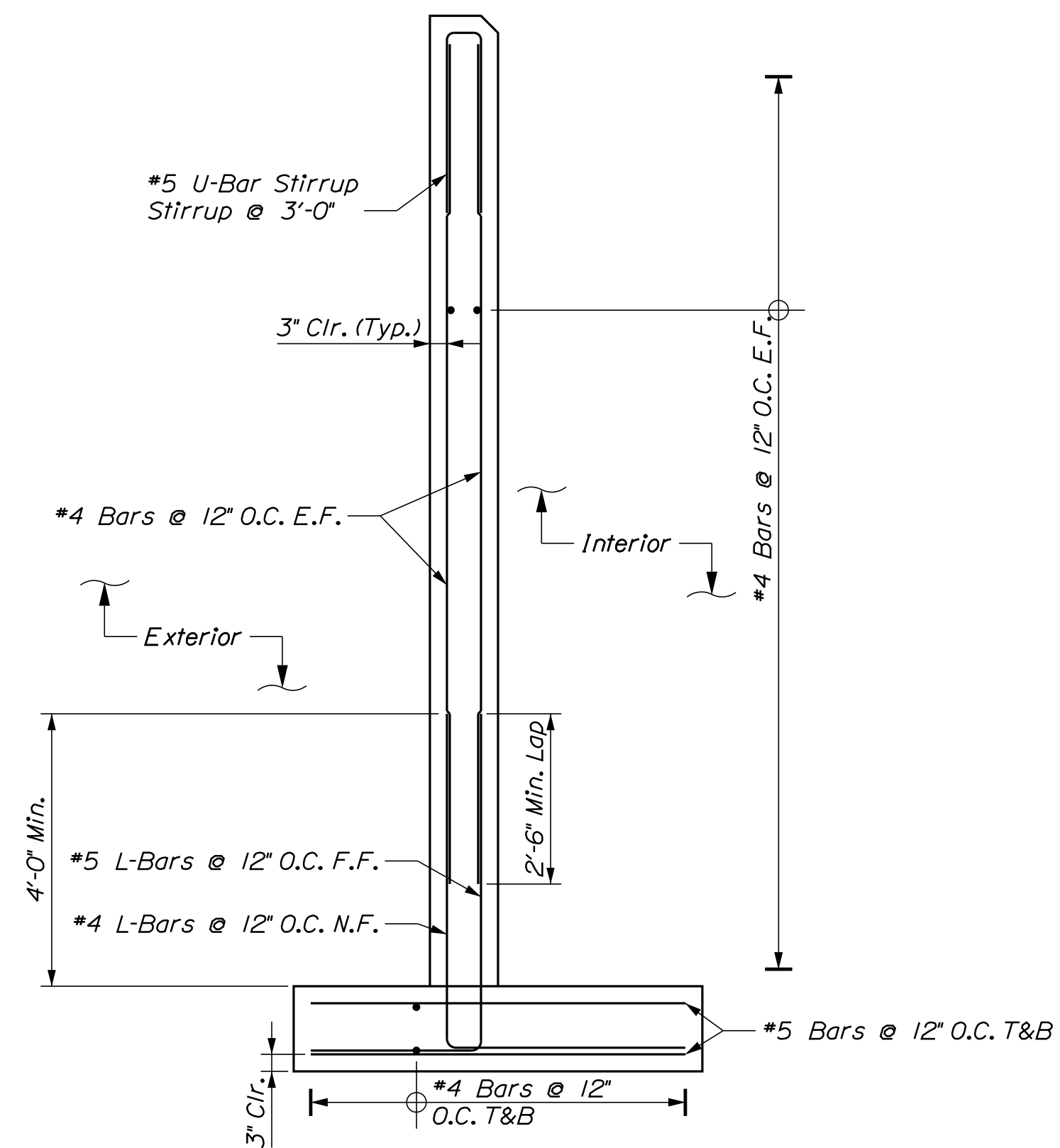
**SOUTH PARIS MAINTENANCE
 SALT BUILDING**
BACKWALL DETAILS

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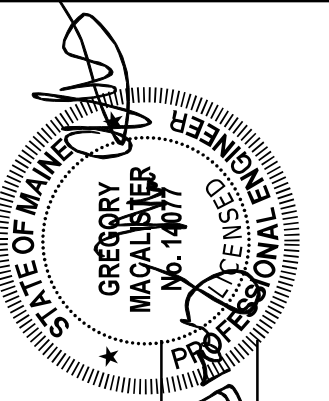


(A) BACKWALL REINFORCING ELEVATION
 1/8" = 1'-0"



(B) BACKWALL SECTION
 1/2" = 1'-0"

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MAR. 2023	BAC			1
MAR. 2023	JUH			2
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				FIELD CHANGES

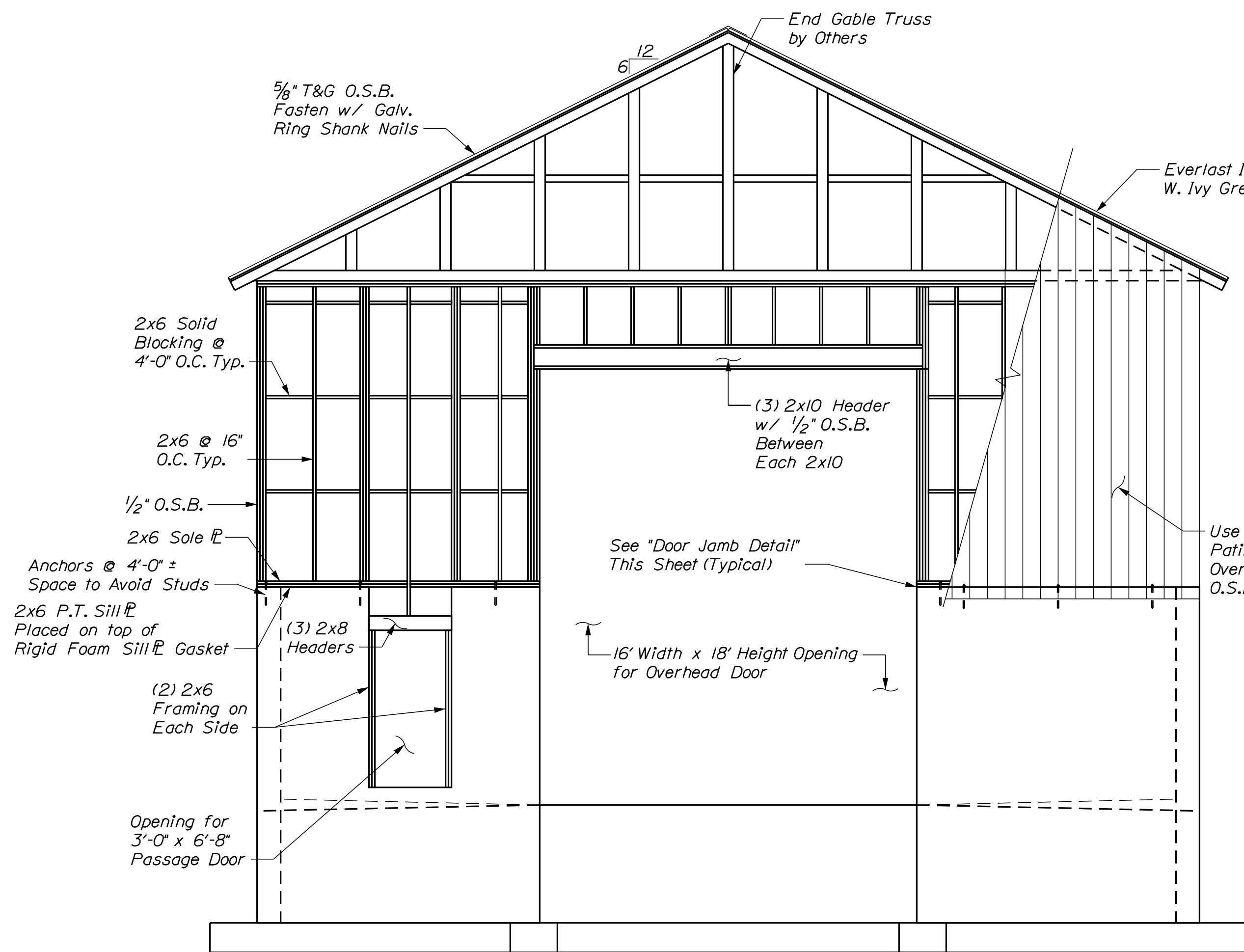
SOUTH PARIS MAINTENANCE
 SALT BUILDING
 BACKWALL REINFORCING

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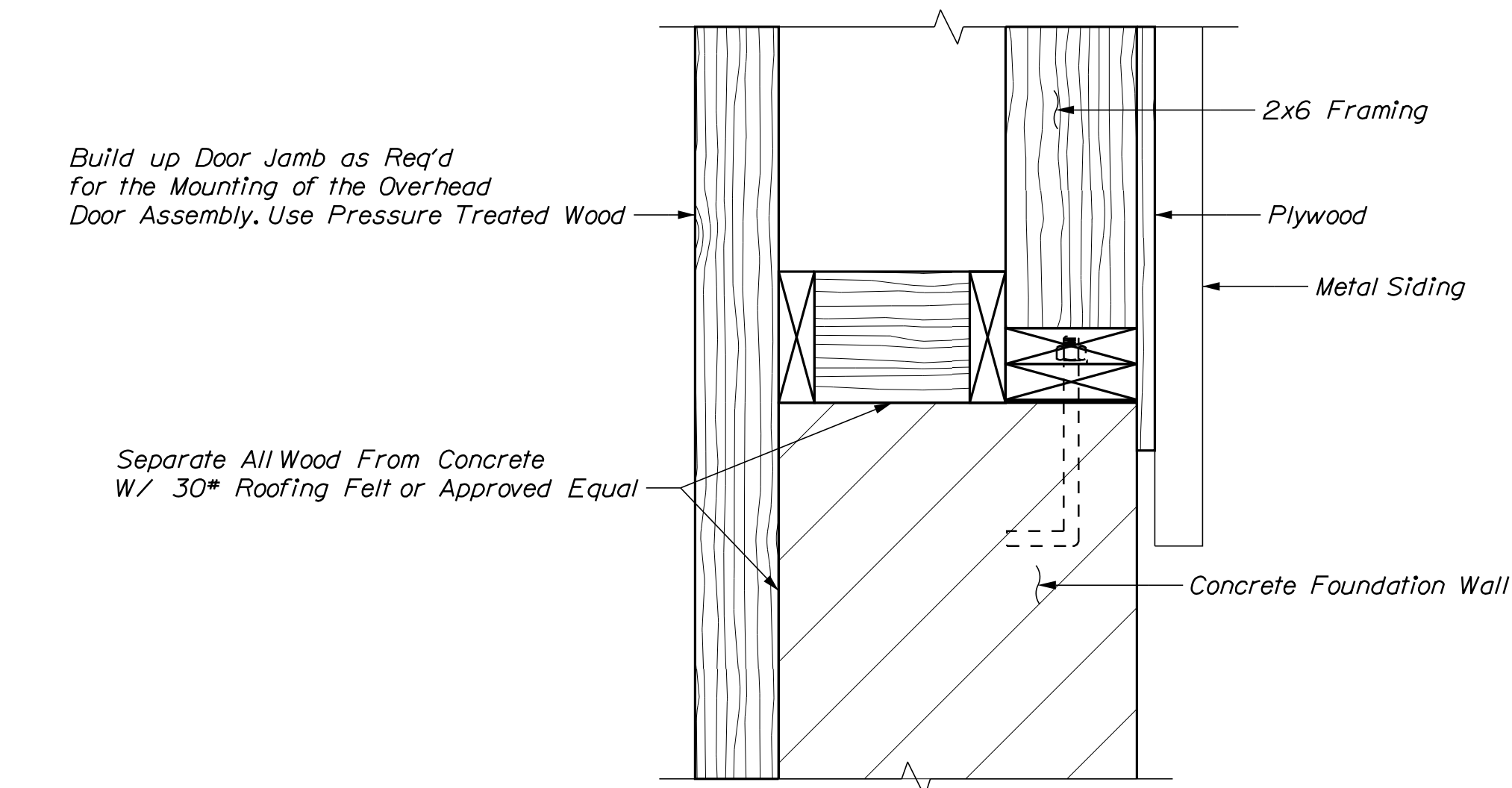
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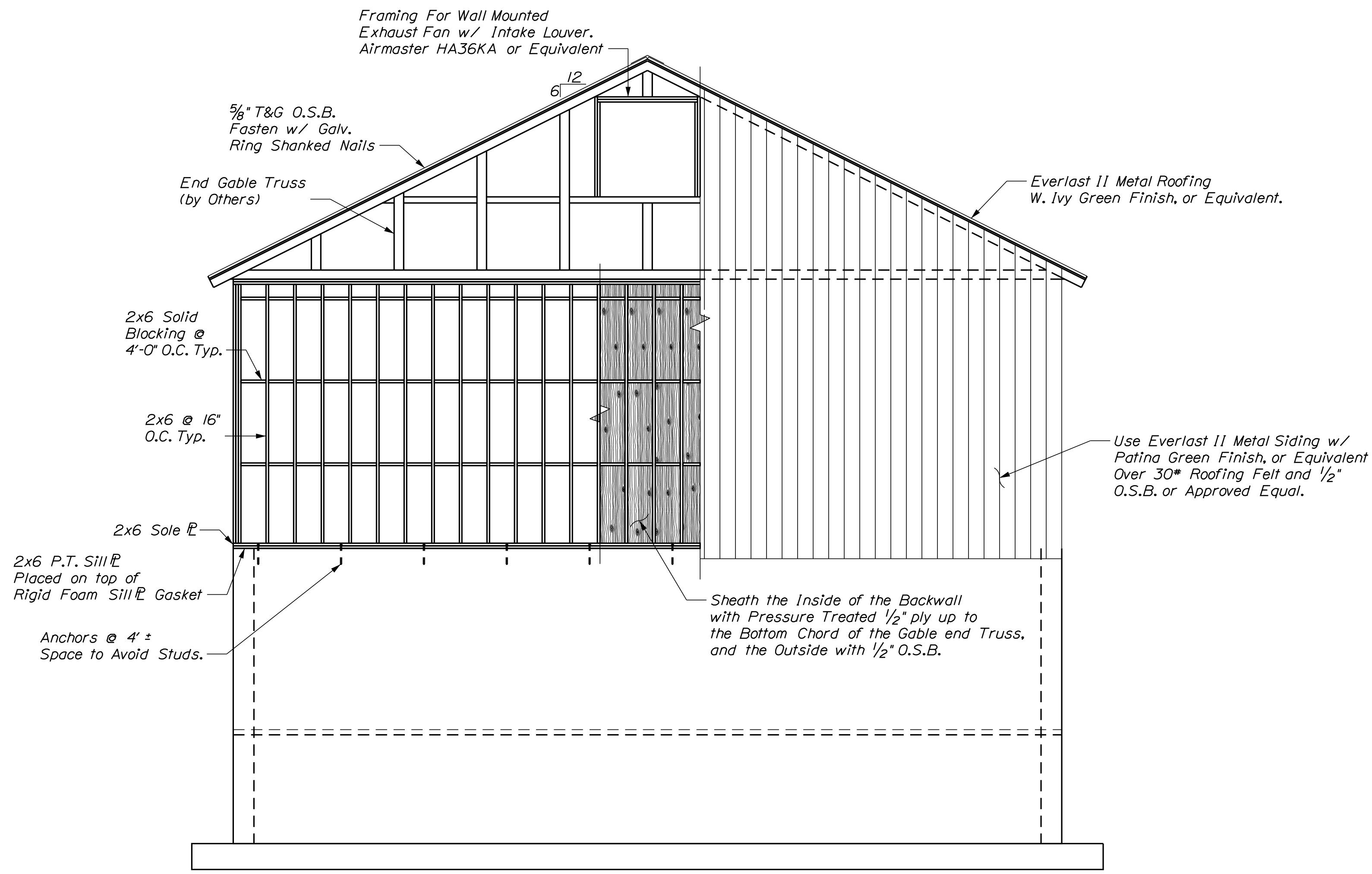




FRONT (WEST) WALL FRAMING
1/4" = 1'-0"

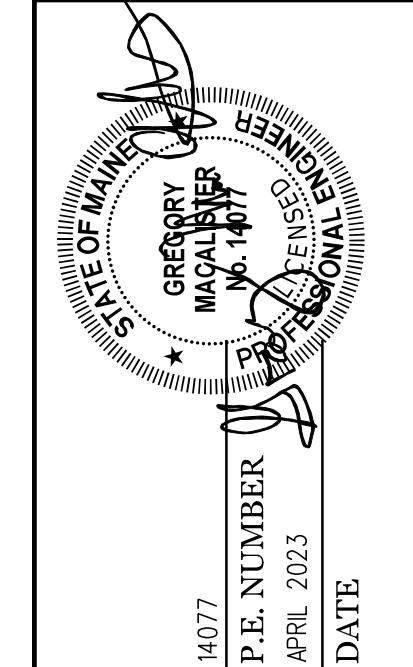


DOOR JAMB DETAIL
2" = 1'-0"



END (EAST) WALL FRAMING
1/4" = 1'-0"

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SOUTH PARIS MAINTENANCE
SALT BUILDING
WEST & EAST END WALL
FRAMING DETAILS

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