

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



DIXFIELD MAINTENANCE SALT BUILDING

SPECIFICATIONS

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

DESIGN LOADING

Live Load Impact of 30,000lb Vehicle
Ground Snow Load 100psf
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

Title Sheet	1
General Site Plan	2
Foundation Plan	3
Foundation Reinforcing Plan	4
Sidewall Dimensional Details	5
Sidewall Reinforcing Details	6
Frontwall Dimensional Details	7
Frontwall Reinforcing Details	8
Backwall Dimensional Details	9
Backwall Reinforcing Details	10
Typical Framing Details	11
North & South End Wall Framing Details	12
Electrical Plan	13

WIN027459.00

<u>PROJECT LOCATION:</u>	547 Main Street Dixfield, Maine 04947
<u>PROGRAM AREA:</u>	Highway Maintenance Program
<u>OUTLINE OF WORK:</u>	Construction of Salt Storage Building

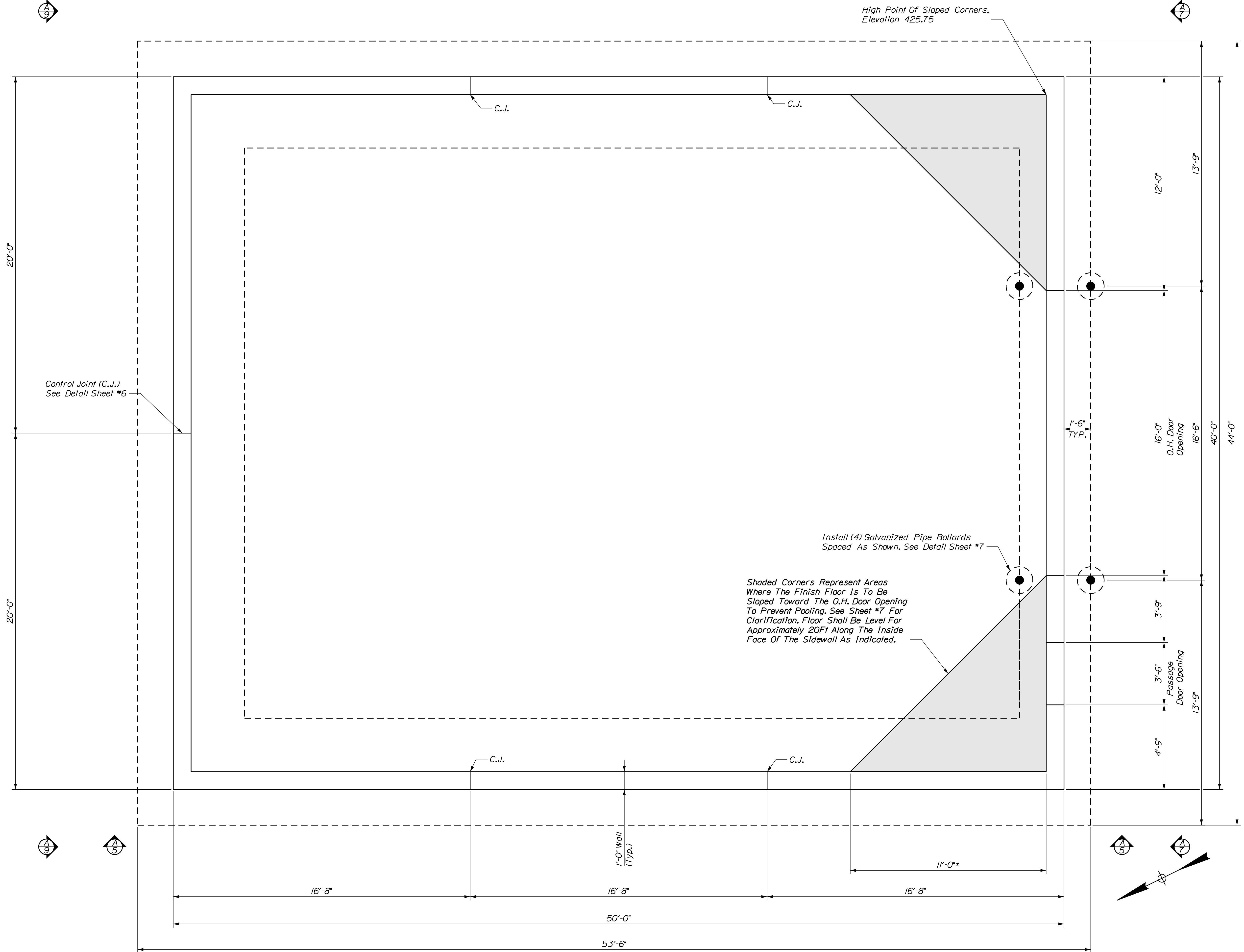
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: <i>[Signature]</i>	<i>[Signature]</i>	4-15-22
CHIEF ENGINEER: <i>[Signature]</i>	<i>[Signature]</i>	4-15-2022

SIGNATURE: *[Signature]*
P.E. NUMBER: 14077
DATE: DEC 2021

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	P. COBLEY
DESIGNER	CALDERWOOD ENGINEERING
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

DIXFIELD MAINTENANCE
SALT BUILDING
TITLE SHEET

SHEET NUMBER
1
OF 13



High Point Of Sloped Corners.
Elevation 425.75

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

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

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.

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

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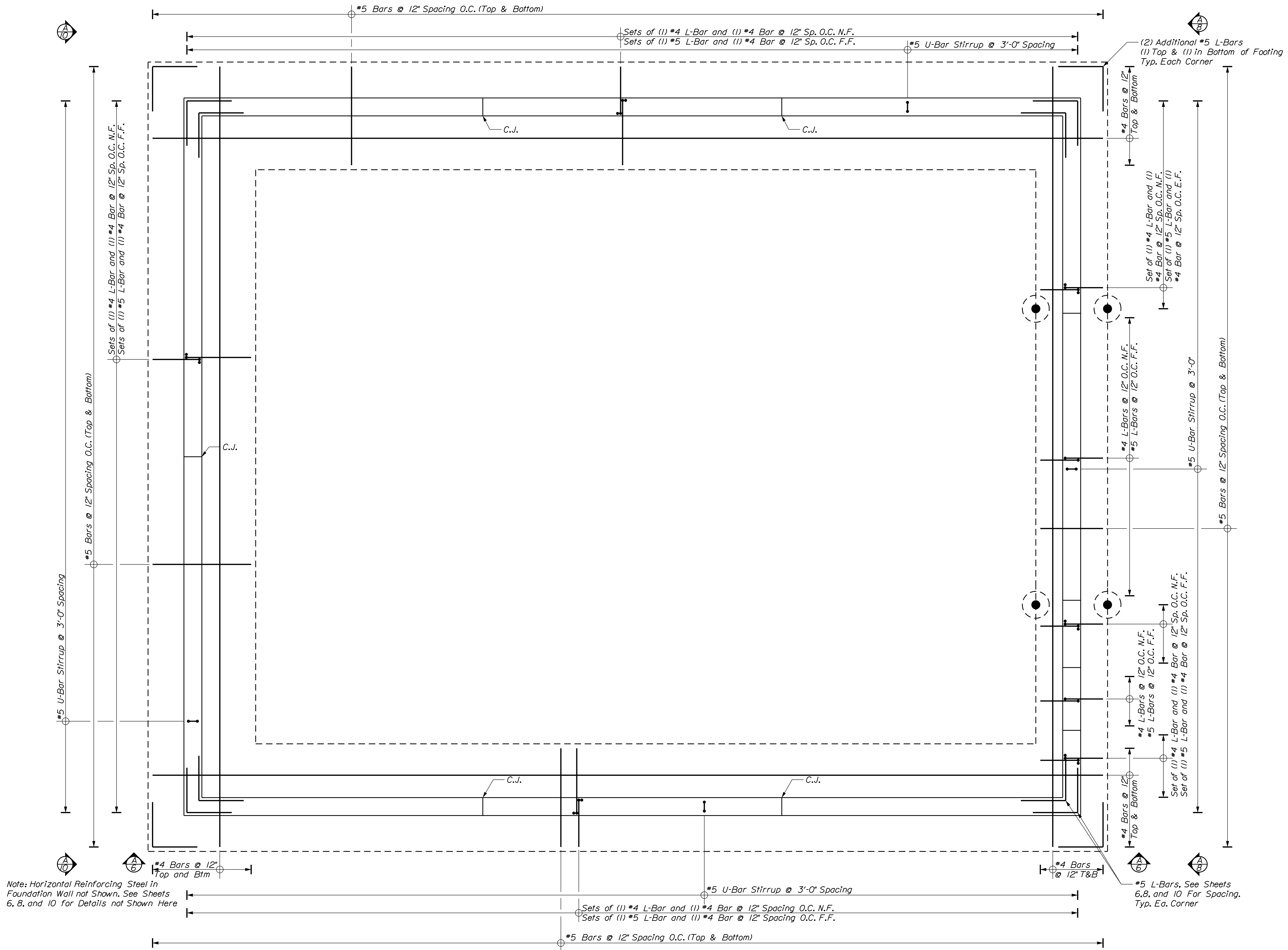
REG. PROFESSIONAL ENGINEER
STATE OF MAINE
GREGORY
MACALISTER
10-14-11

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REVISIONS 4		
FIELD CHANGES		

DIXFIELD MAINTENANCE
SALT BUILDING
FOUNDATION PLAN

SHEET NUMBER
3
OF 13

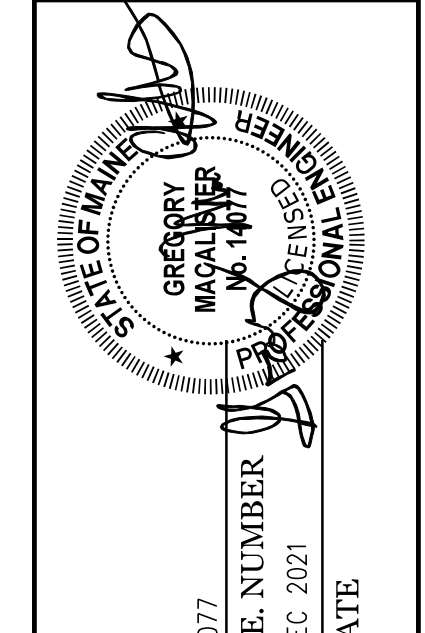




Note: Horizontal Reinforcing Steel in Foundation Wall not Shown. See Sheets 6, 8, and 10 for Details not Shown Here

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

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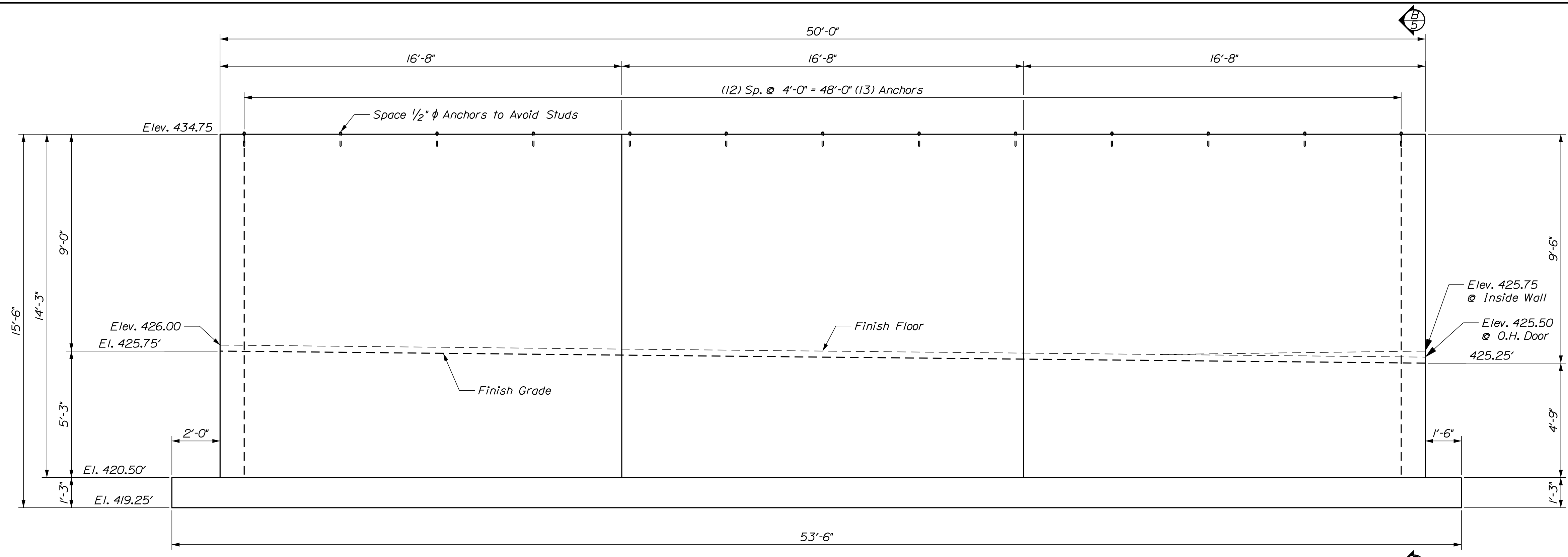


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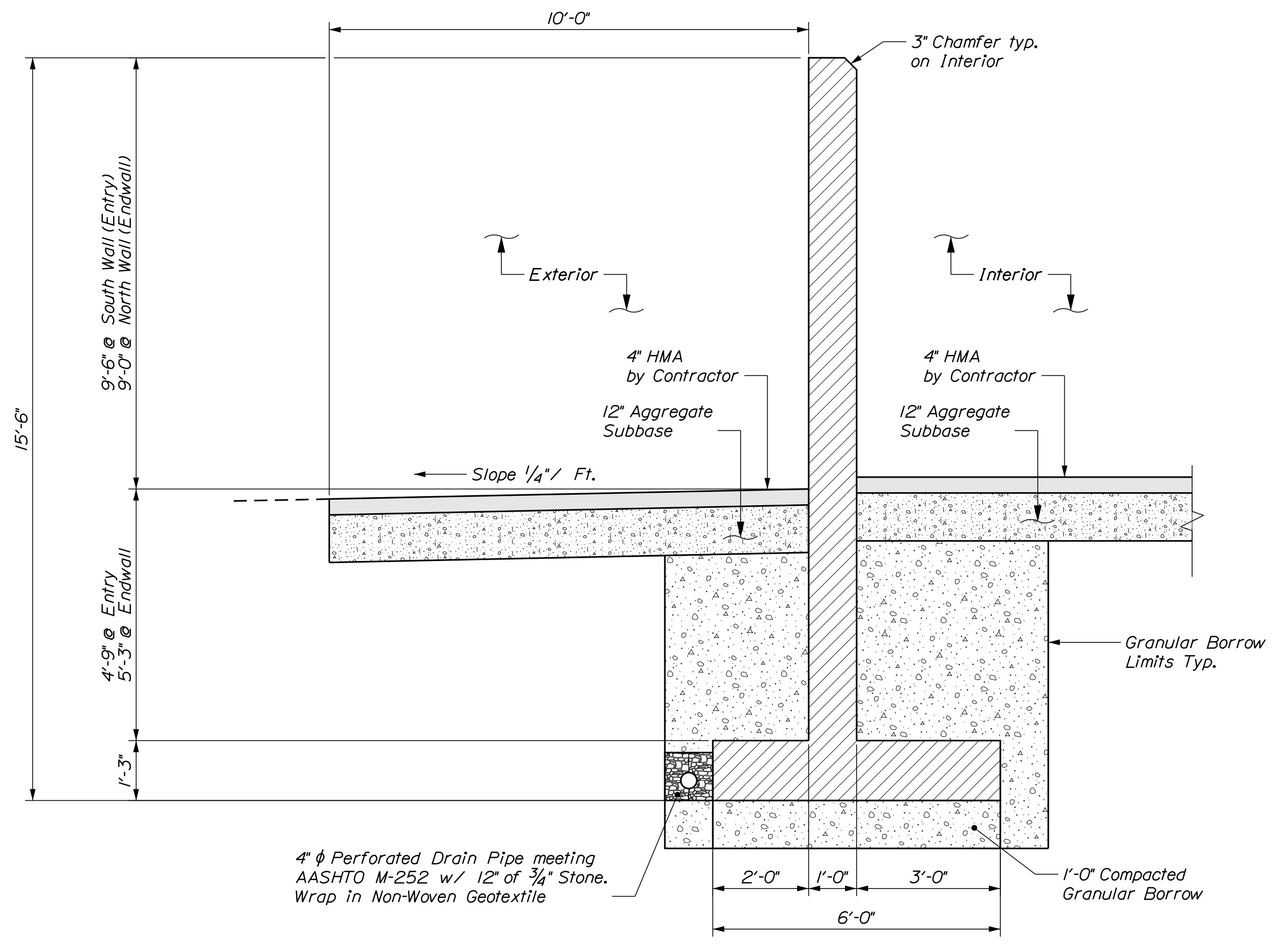
DIXFIELD MAINTENANCE SALT BUILDING
FOUNDATION REINFORCING PLAN

SHEET NUMBER
4
OF 13



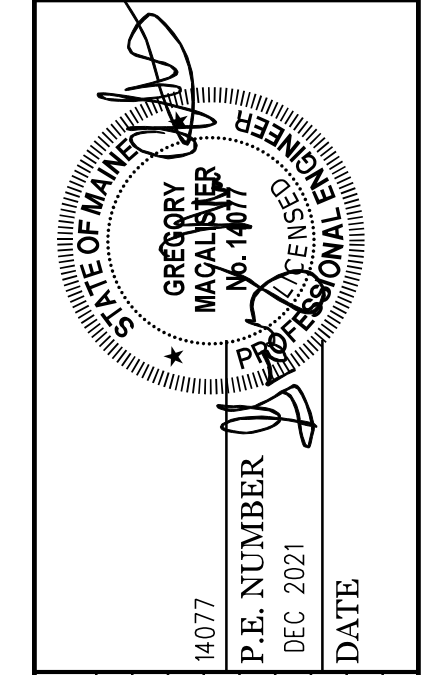


(A) SIDEWALL ELEVATION
5
1/8" = 1'-0"



(B) SIDEWALL SECTION
5
1/2" = 1'-0"

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DIXFIELD MAINTENANCE
SALT BUILDING

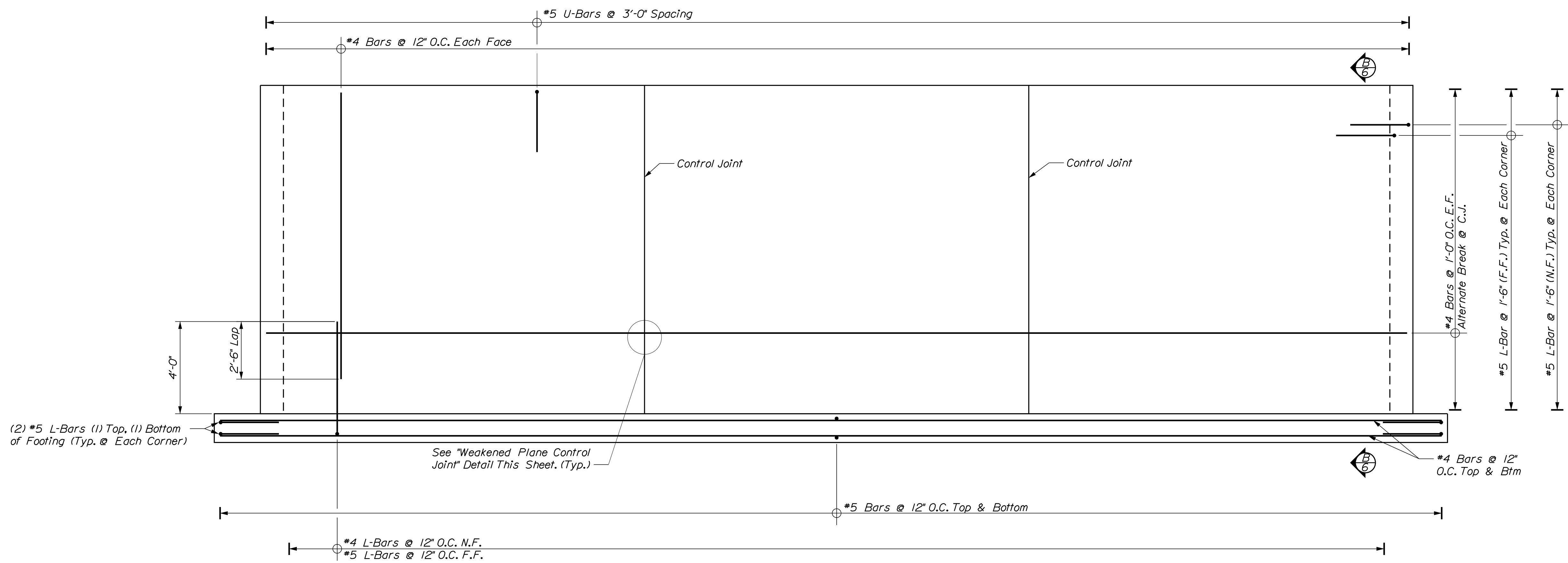
SIDEWALL DETAILS

SHEET NUMBER

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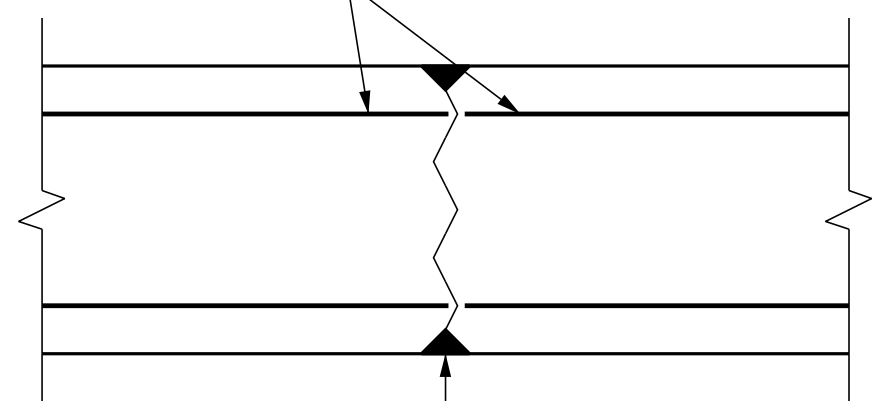
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(A) SIDEWALL REINFORCING ELEVATION
 $1/2" = 1'-0"$

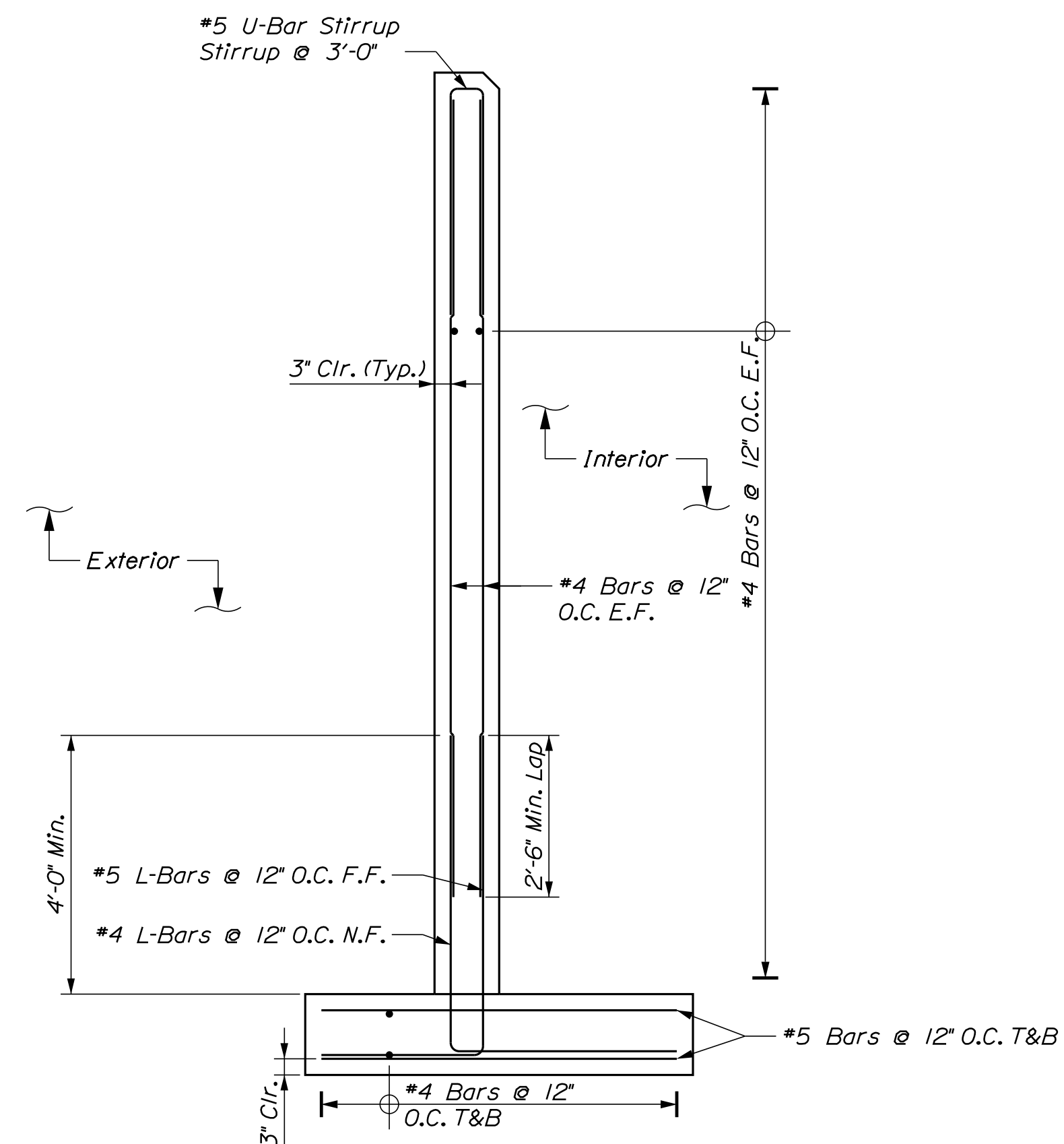
Cut or Butt Every Other Piece of Horizontal Reinforcing Steel @ Control Joint Locations



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

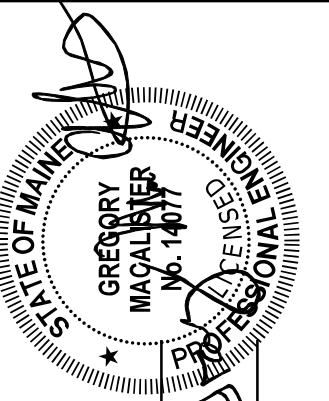
Clean Out Chamfer and Fill Joint Flush W/ Face of Wall Using Sikaflex 1A or Equivalent on the Inside Face of Wall and on the Outside Face From 6" Below Finish Grade to Top of Wall

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



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

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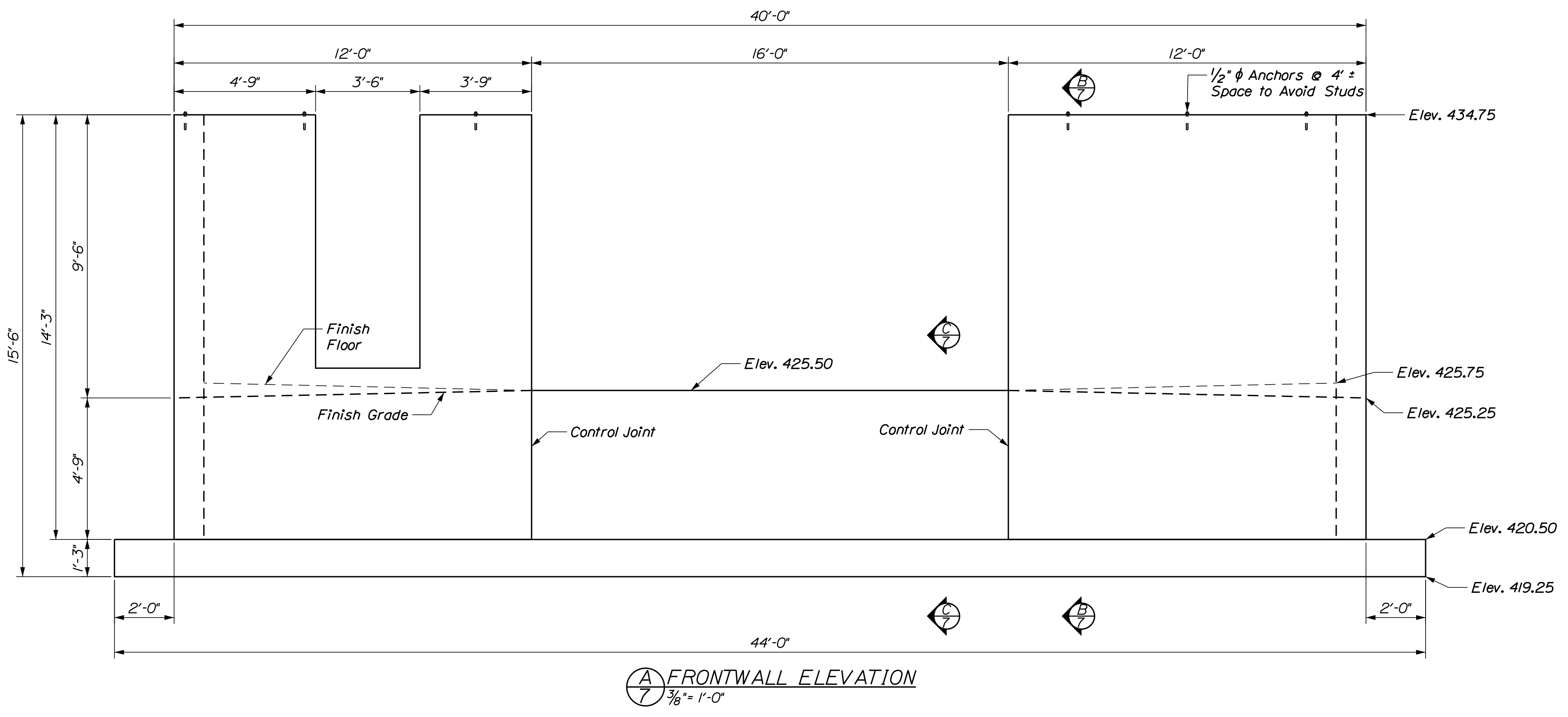
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SIDEWALL REINFORCING DETAILS

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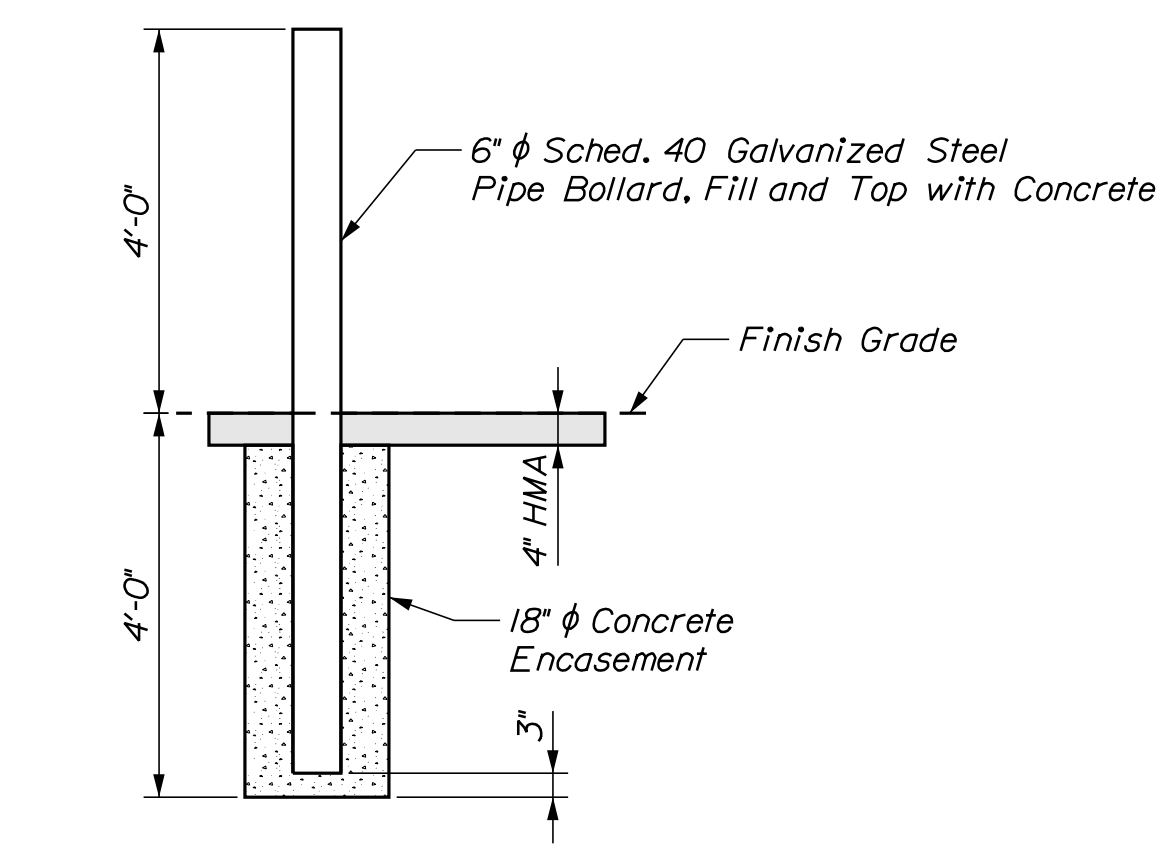
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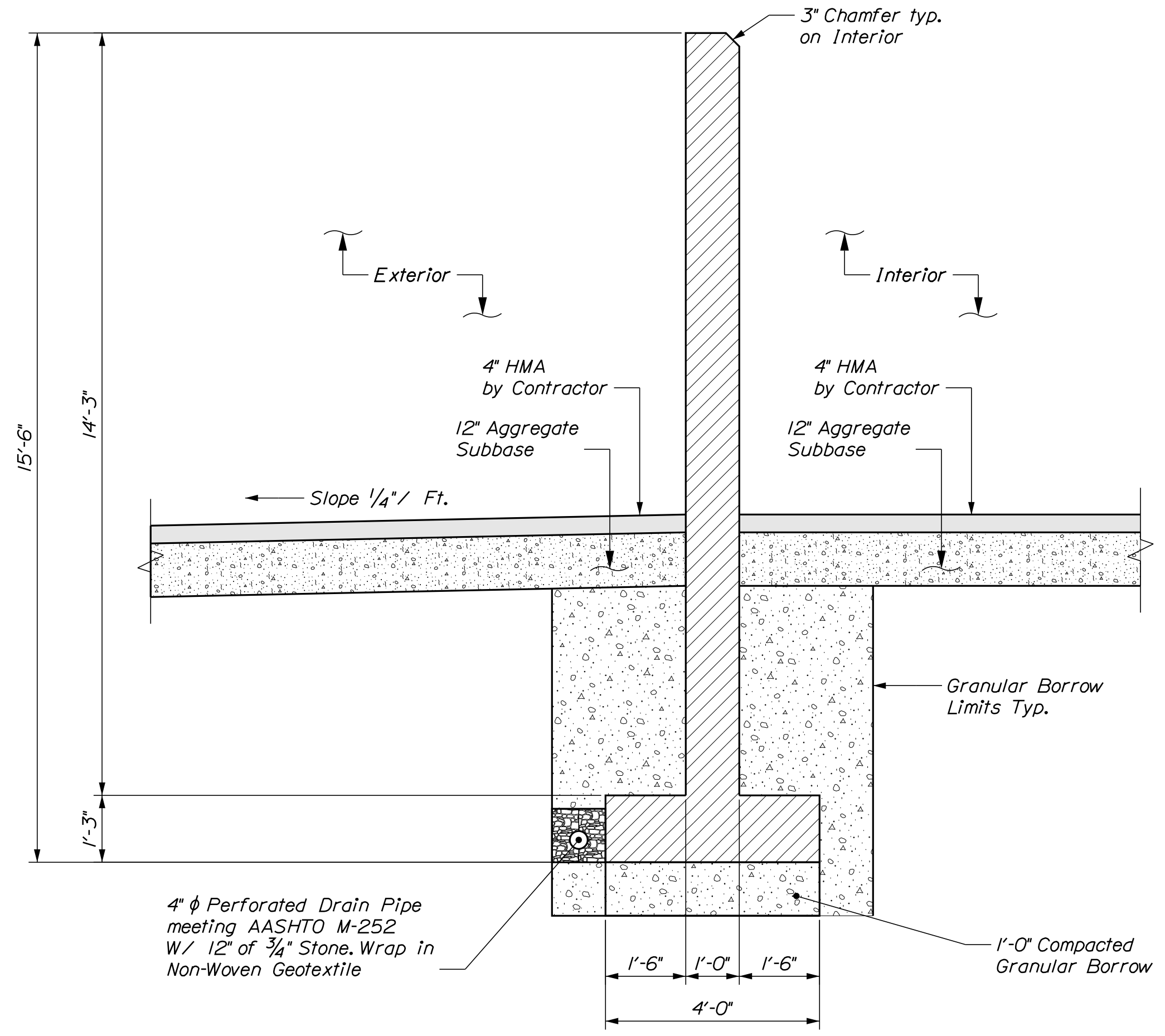




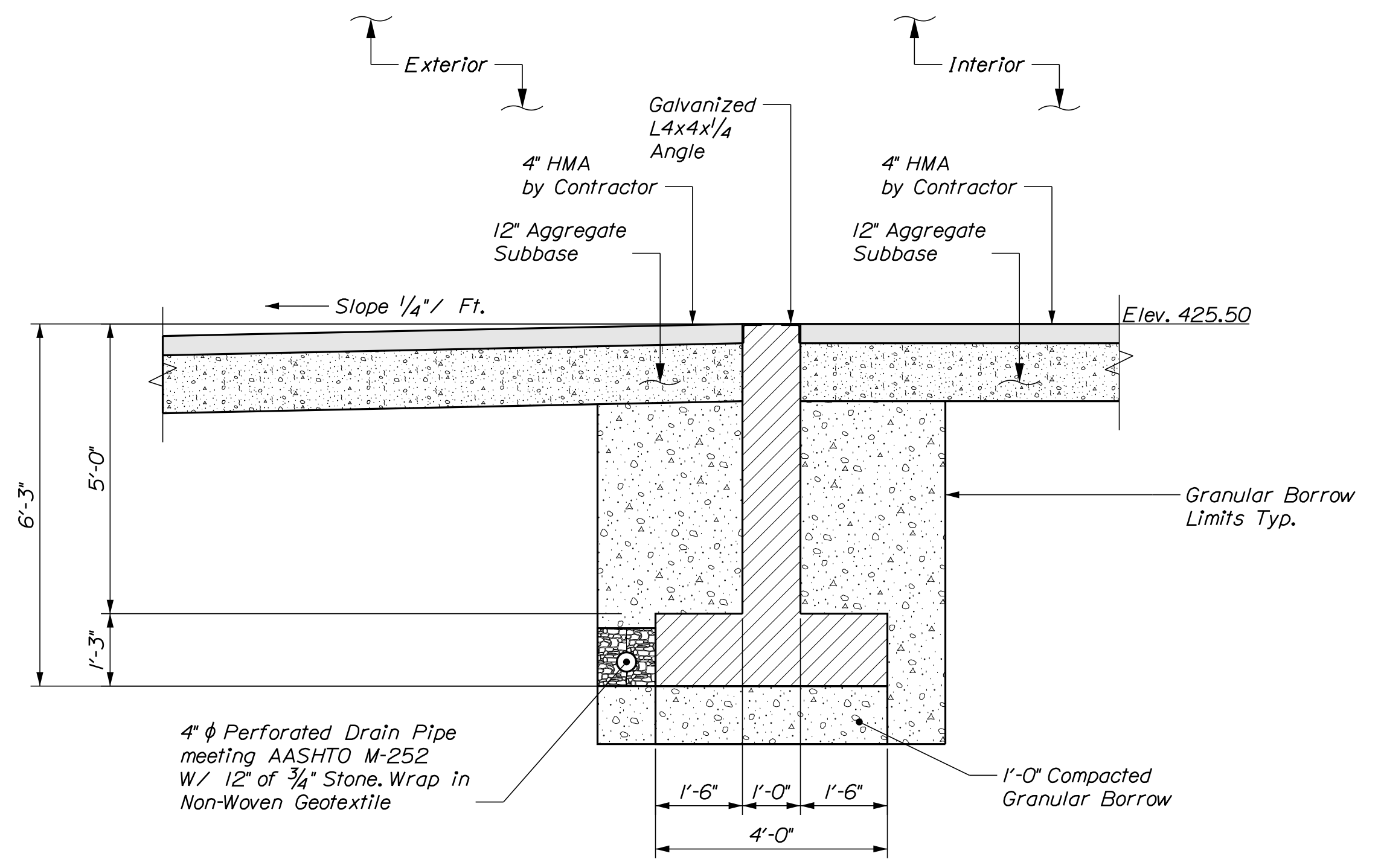
A FRONTWALL ELEVATION
 3/8" = 1'-0"



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



B FRONTWALL SECTION
 1/2" = 1'-0"



C SECTION @ OVERHEAD DOOR
 1/2" = 1'-0"

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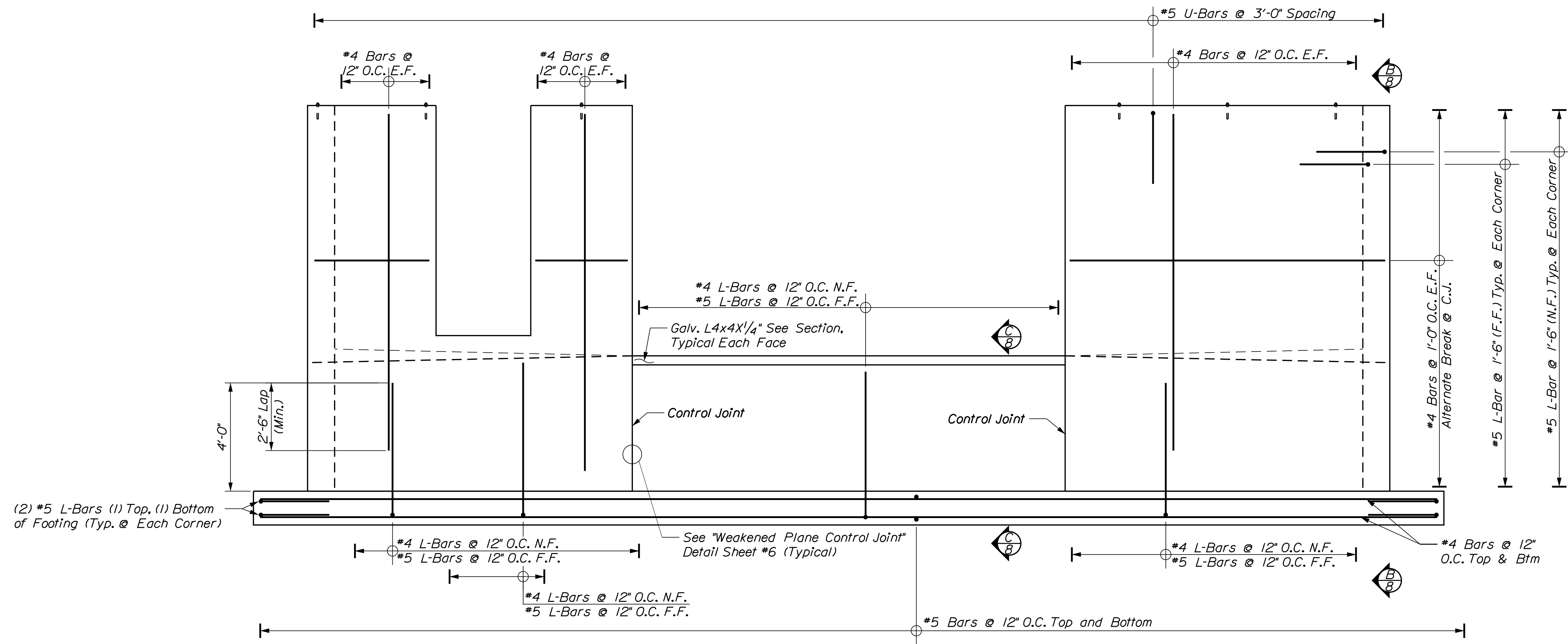
DIXFIELD MAINTENANCE SALT BUILDING
FRONTWALL DETAILS

SHEET NUMBER

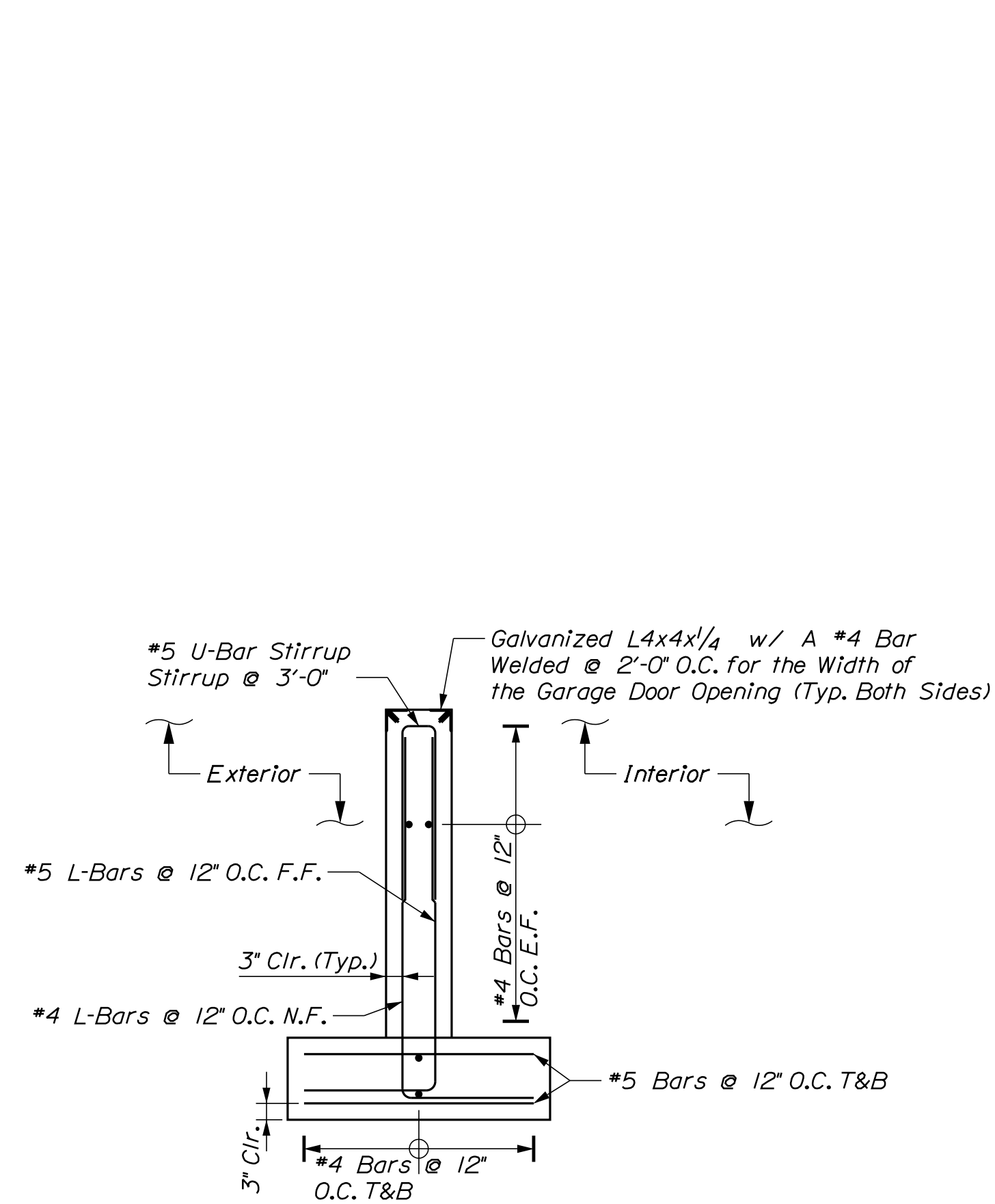
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OF 13

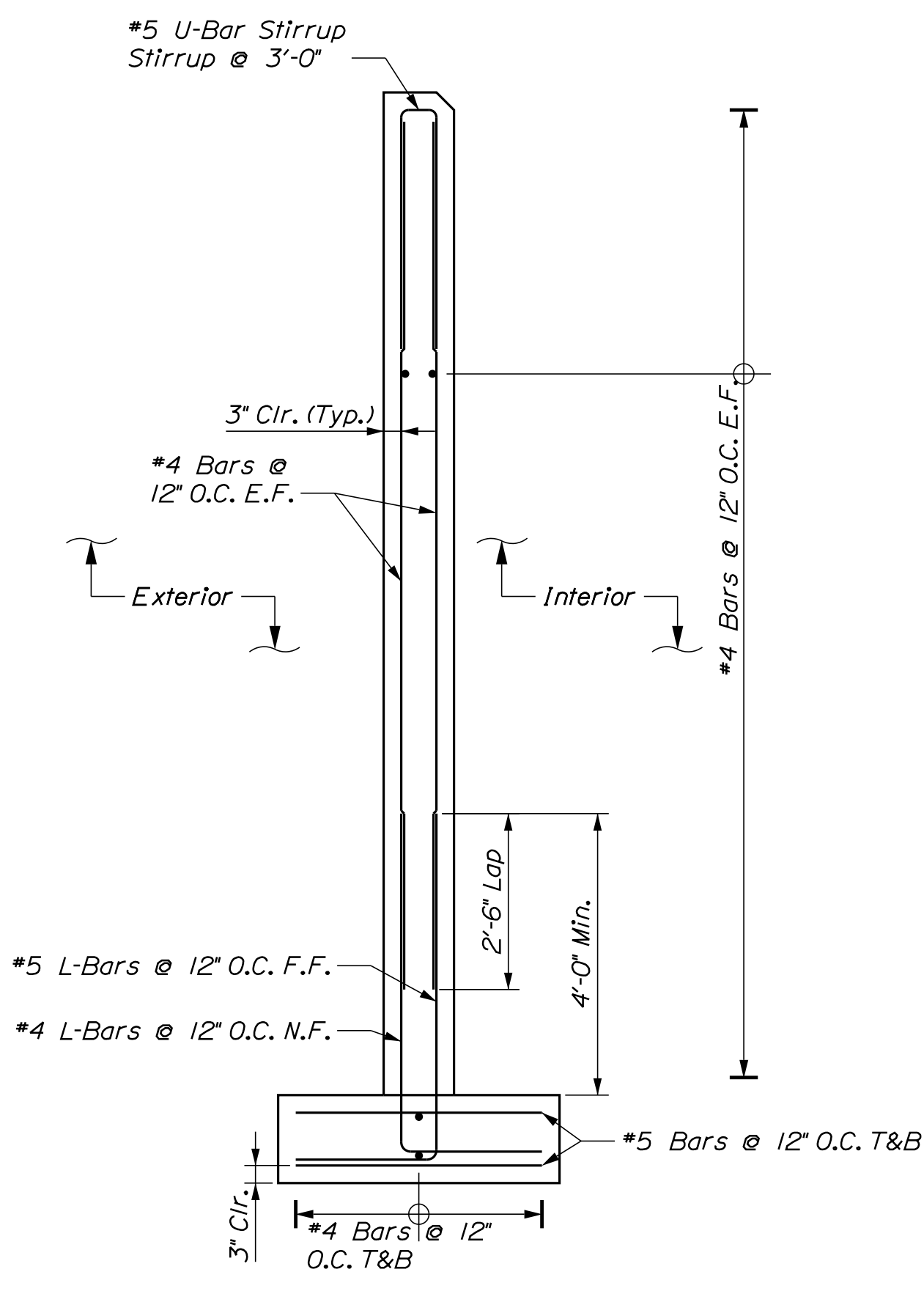




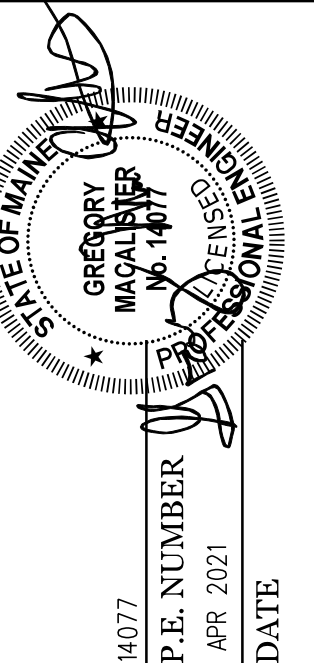
(A) FRONTWALL ELEVATION
 3/8" = 1'-0"



(C) OVERHEAD DOOR SECTION
 1/2" = 1'-0"



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



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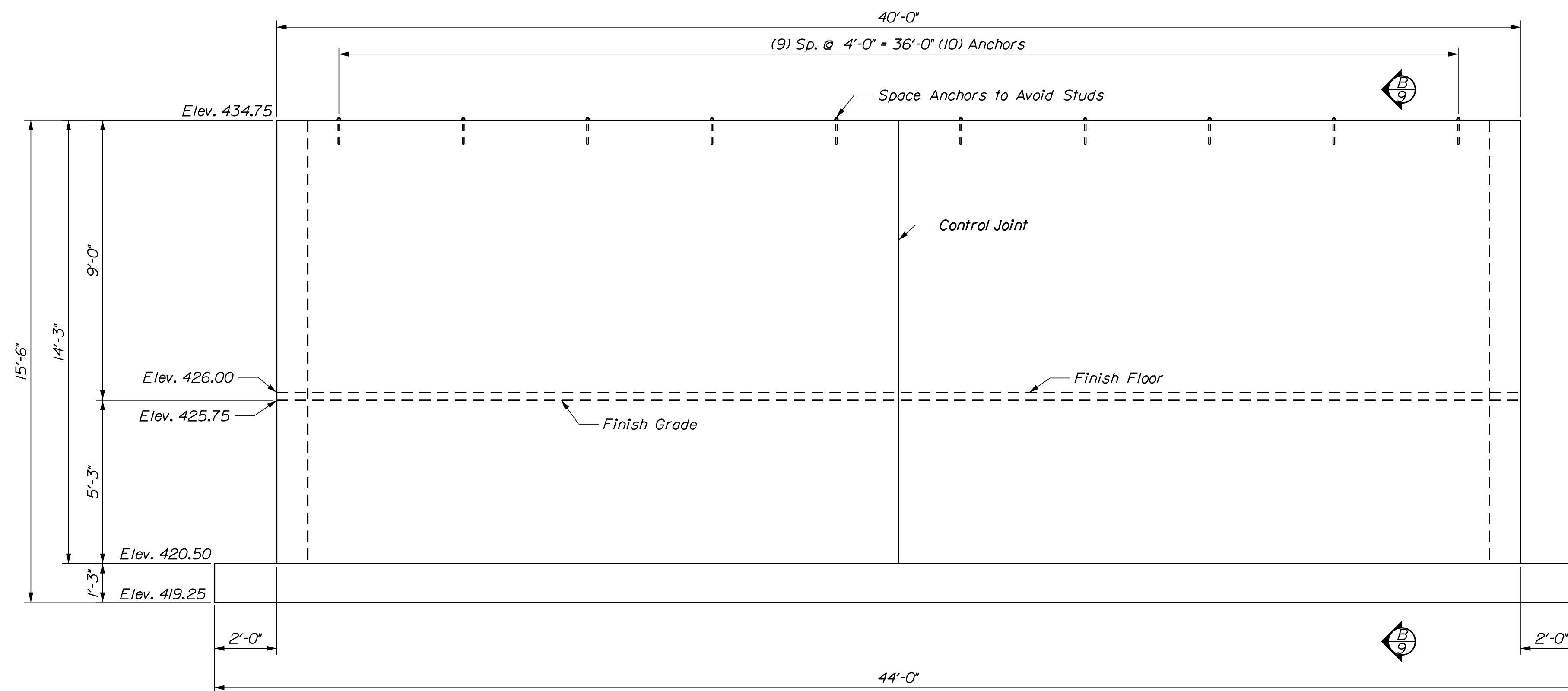
DIXFIELD MAINTENANCE
 SALT BUILDING
 FRONTWALL REINFORCING

SHEET NUMBER

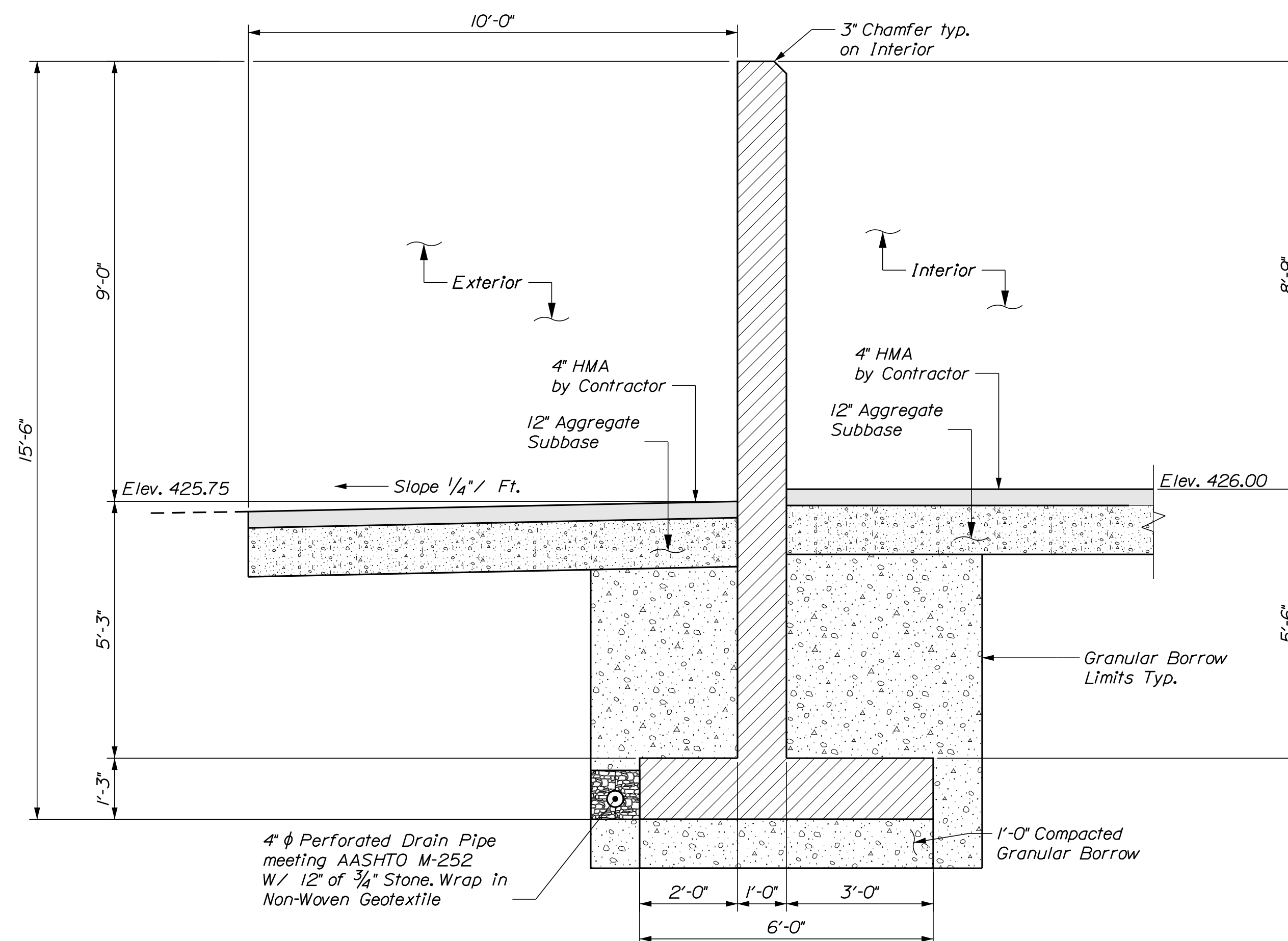
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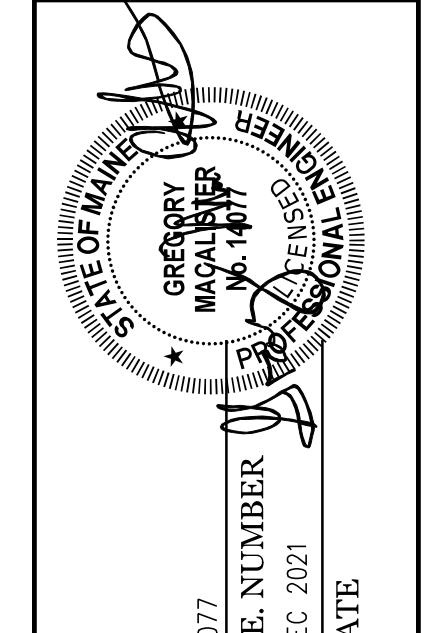


A BACKWALL ELEVATION
 9 3/8" = 1'-0"



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

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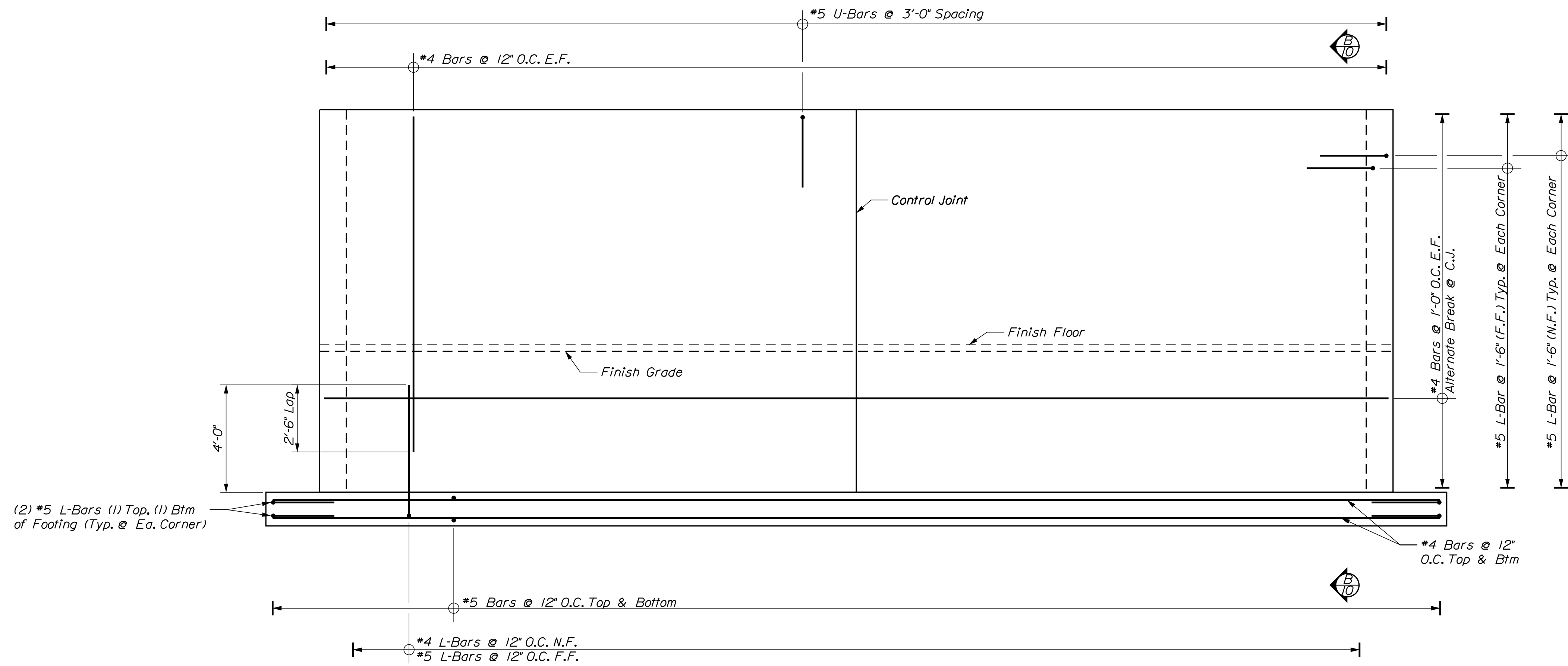


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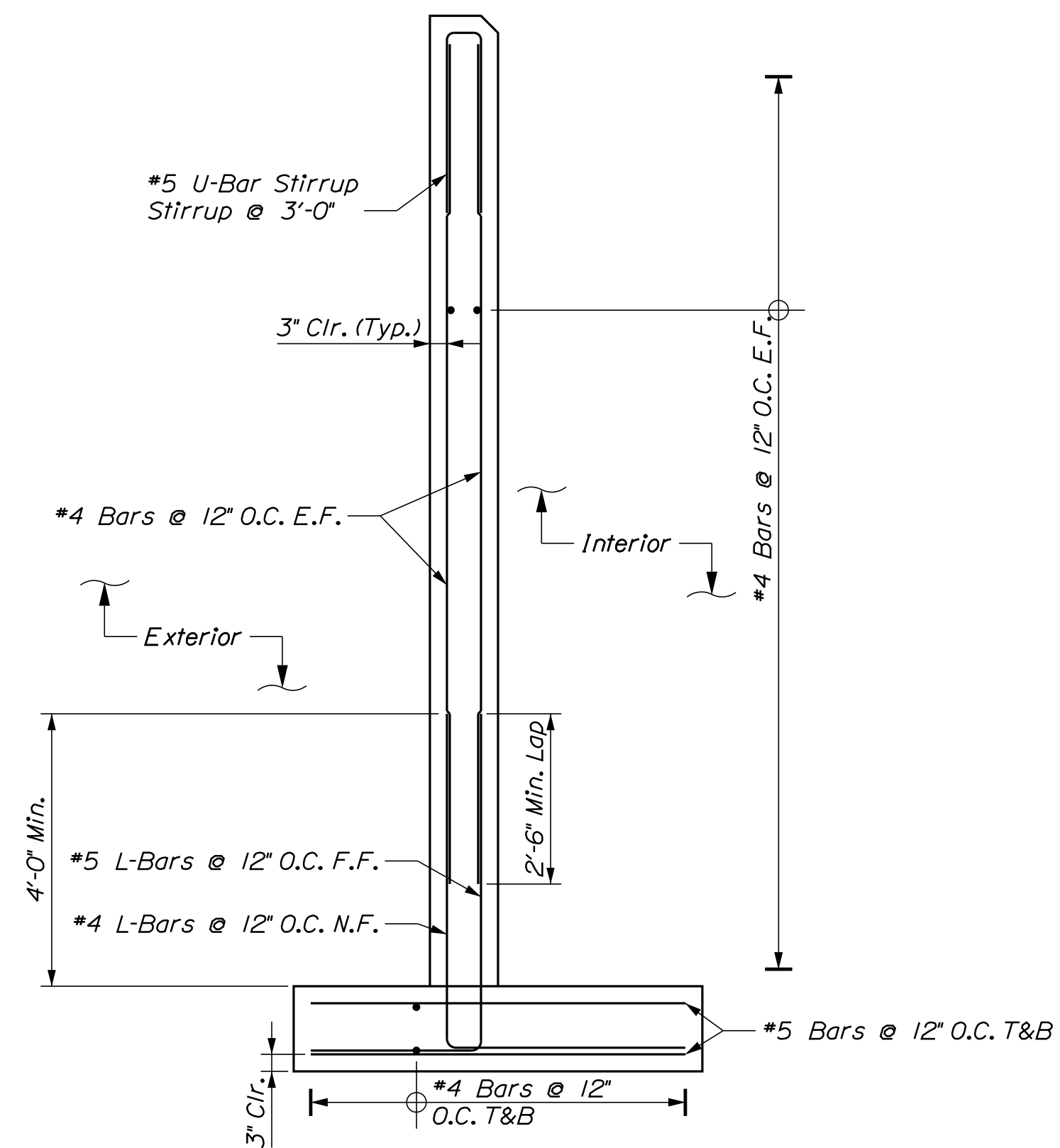
DIXFIELD MAINTENANCE SALT BUILDING
BACKWALL DETAILS

SHEET NUMBER
9
 OF 13



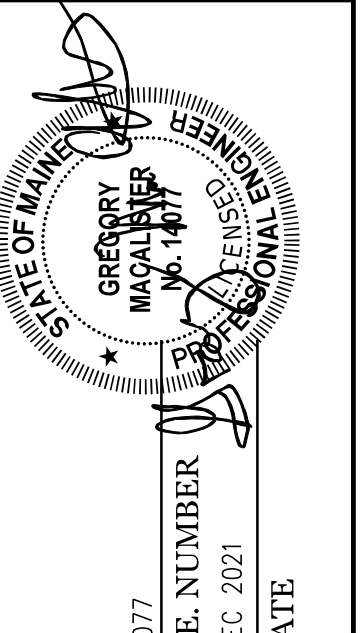


(A) BACKWALL REINFORCING ELEVATION
 1/8" = 1'-0"



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

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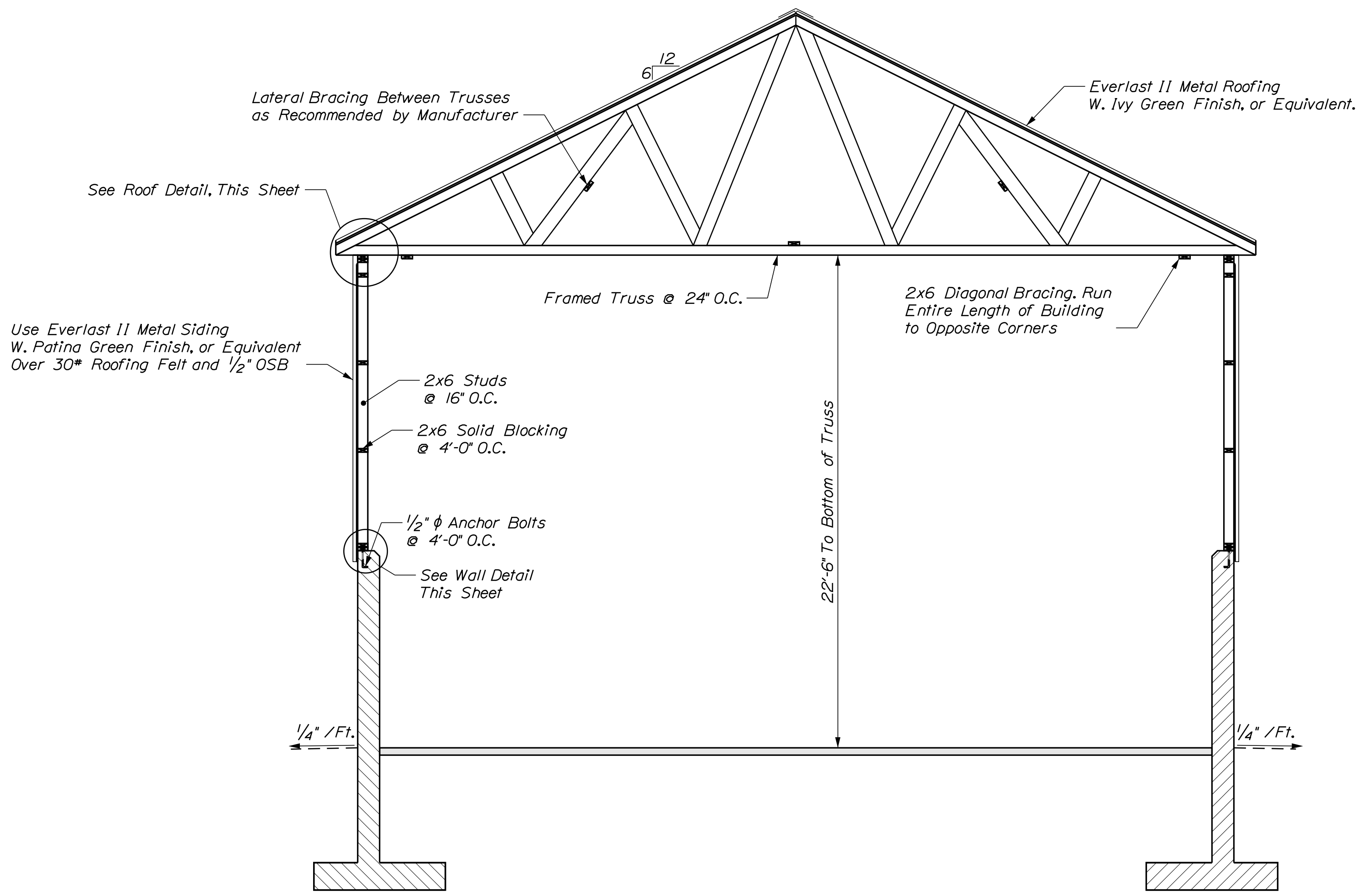


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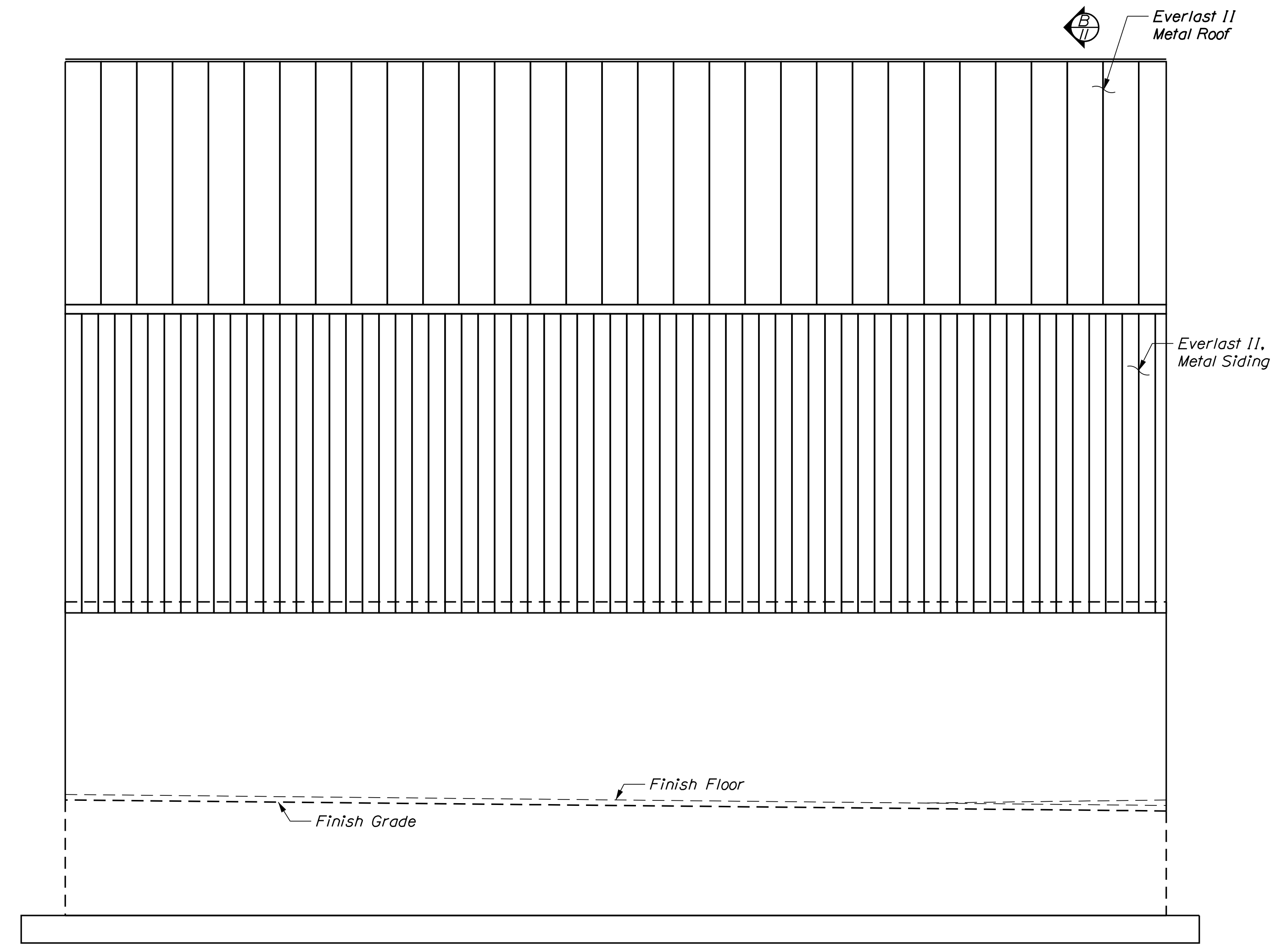
DIXFIELD MAINTENANCE
 SALT BUILDING
 BACKWALL REINFORCING

SHEET NUMBER
 10
 OF 13

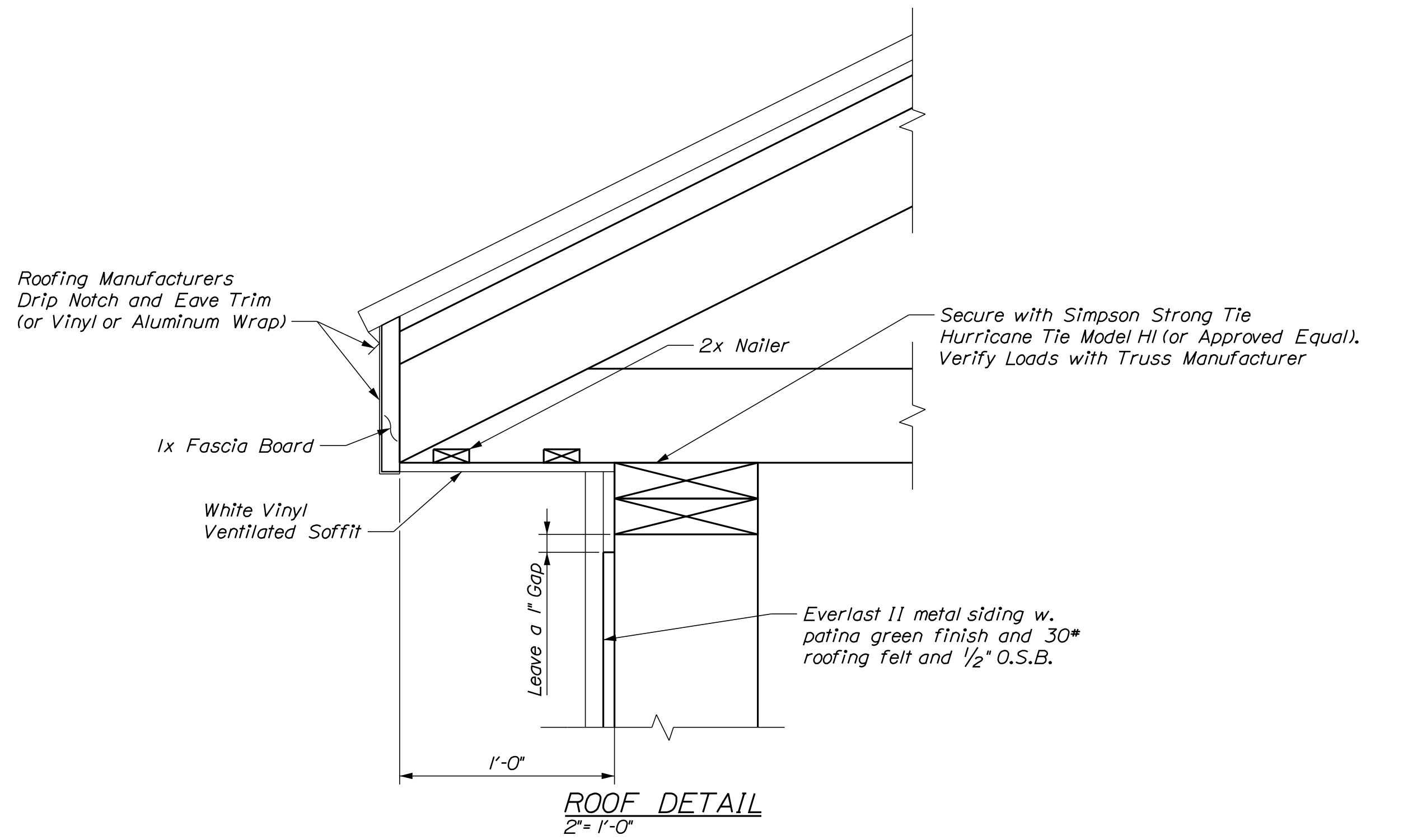




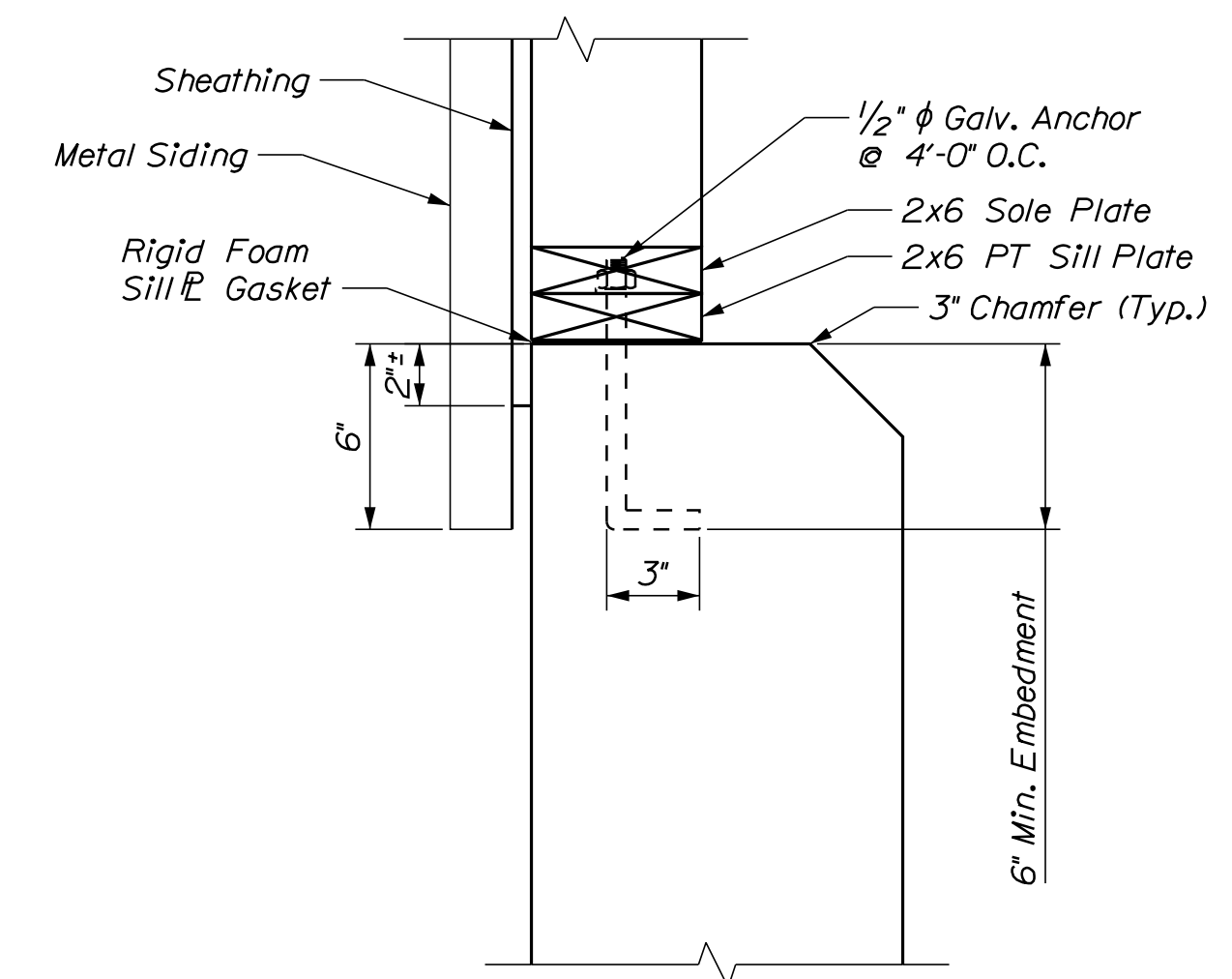
(B) TYPICAL SECTION
1/4" = 1'-0"



(A) SIDEWALL ELEVATION
1/4" = 1'-0" • East Elevation Shown



ROOF DETAIL
2" = 1'-0"



WALL DETAIL
2" = 1'-0"

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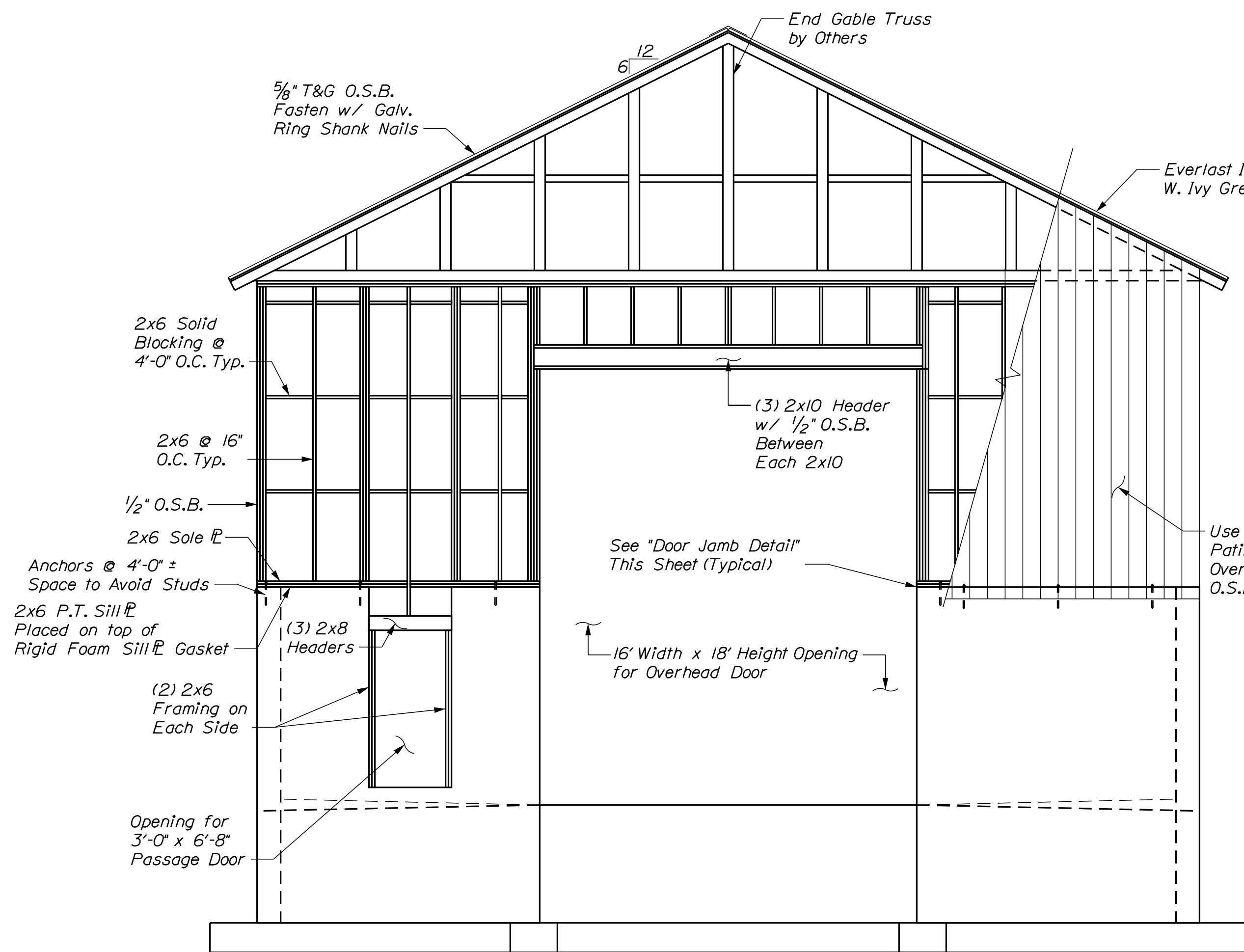
DIXFIELD MAINTENANCE SALT BUILDING
TYPICAL FRAMING DETAILS

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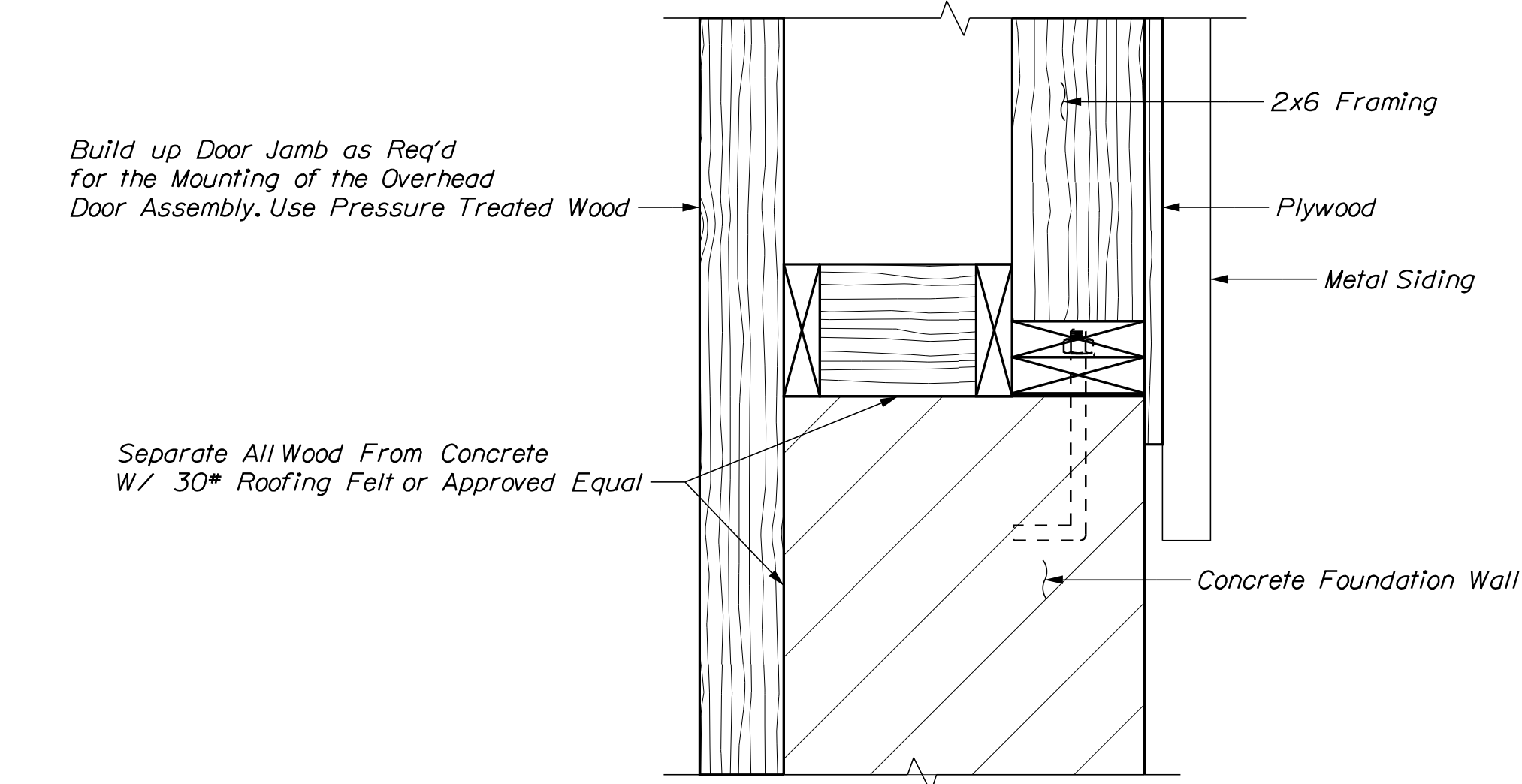
11

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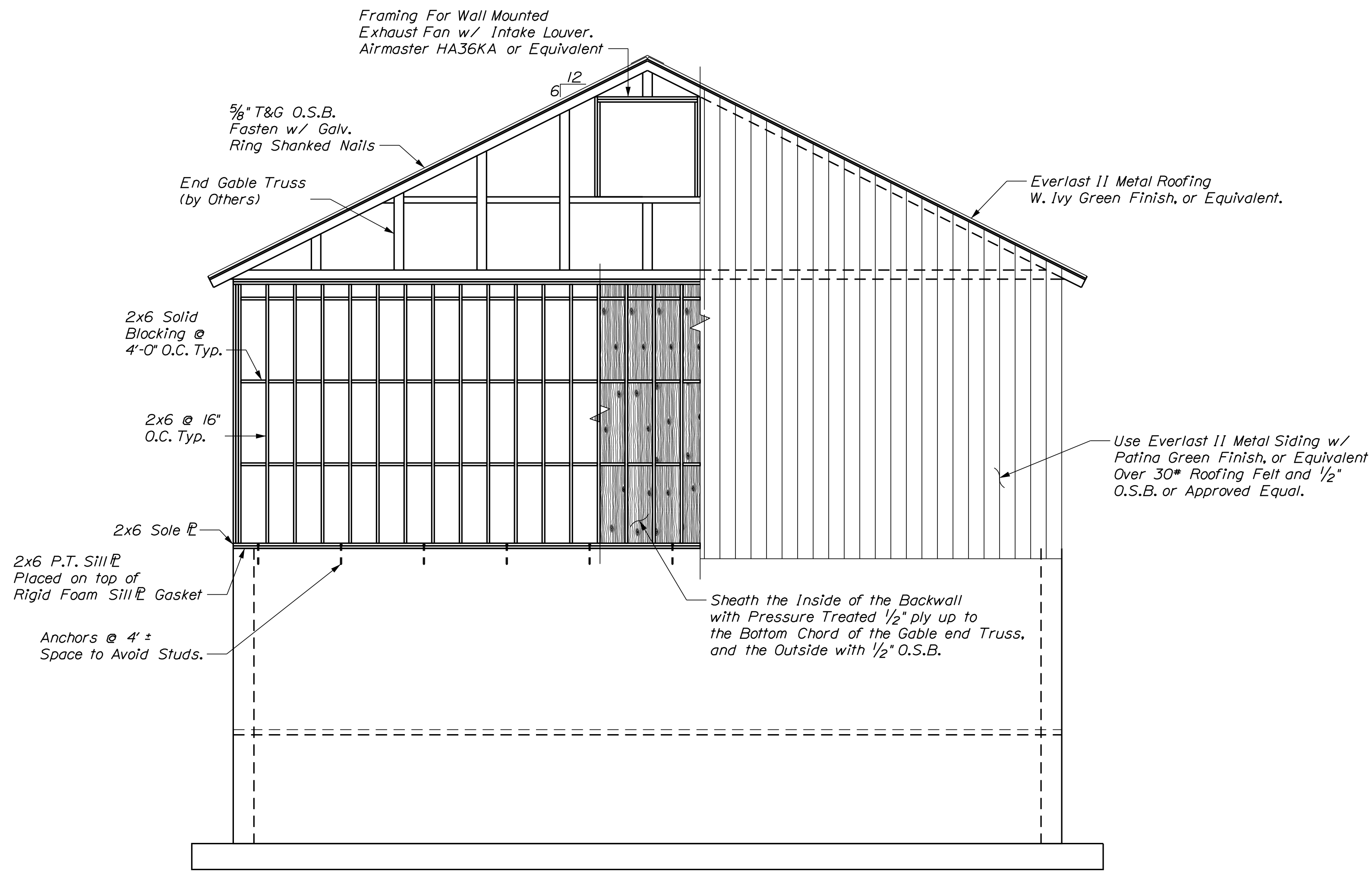




FRONT (SOUTH) WALL FRAMING
1/4" = 1'-0"

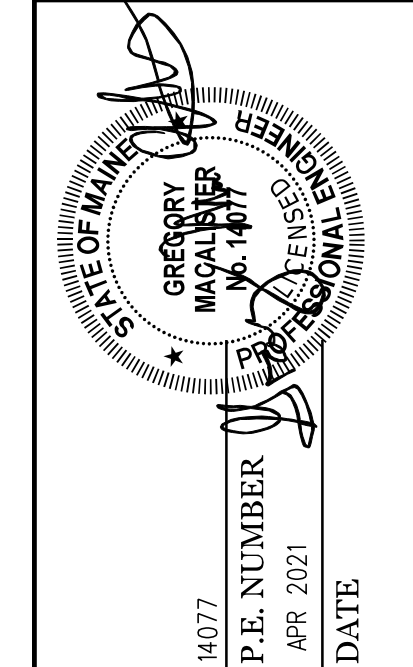


DOOR JAMB DETAIL
2" = 1'-0"



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

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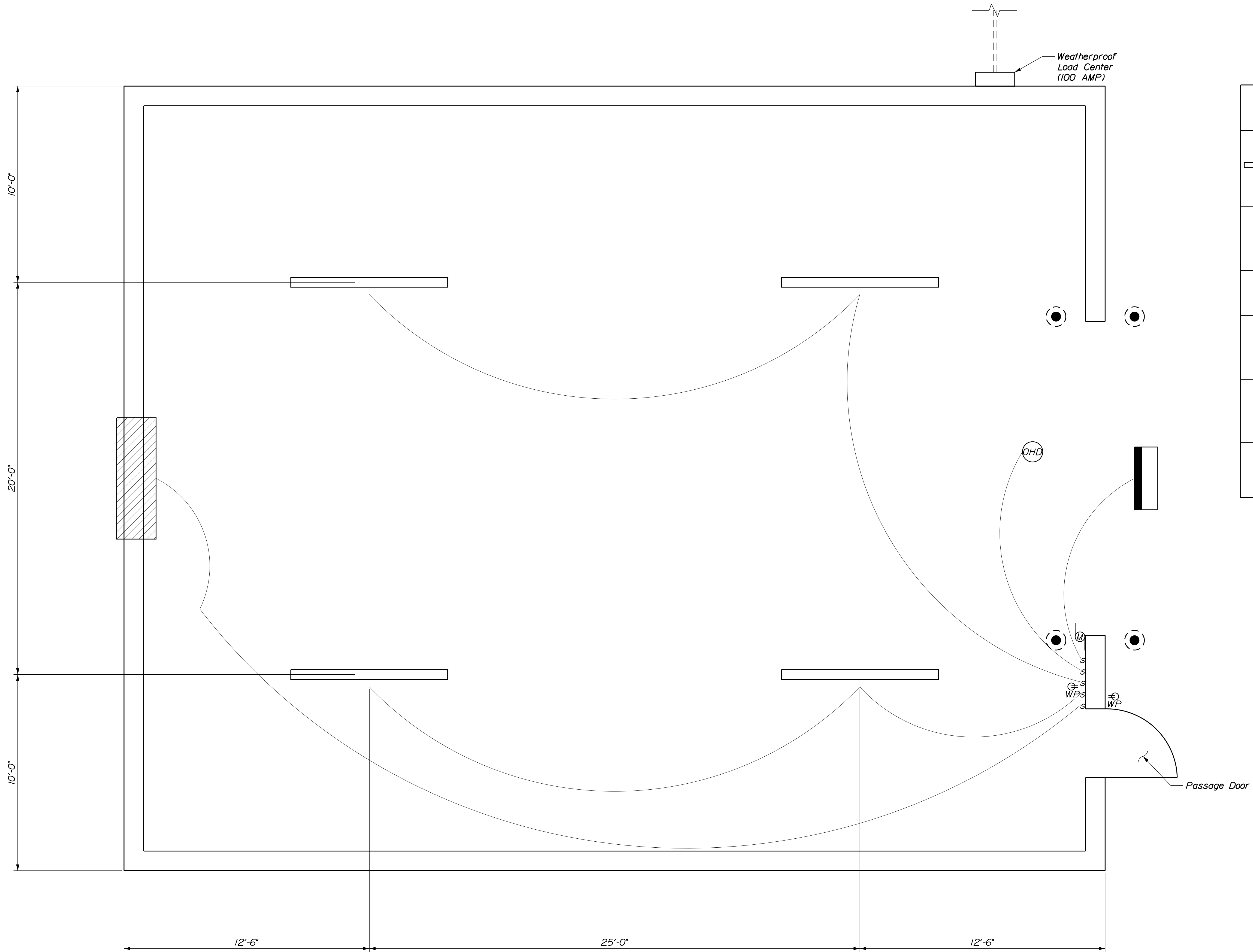
DIXFIELD MAINTENANCE
SALT BUILDING
TYPICAL FRAMING DETAILS

SHEET NUMBER

12

OF 13





ELECTRICAL FLOOR PLAN
 $\frac{3}{8}'' = 1'-0''$

ELECTRICAL LEGEND	
	H.E. Williams, Fully Enclosed & Gasketed Industrial LED Light Fixture. Model #96-8-L80/830-HIAFR-SSCMB/SS LATCH-DRV-120 W/ Occupancy Sensor *OCCWS HB35OW-L4W-120
	Led Flood Light Equiv. To Lithonia D-Series Size 3 W/ Photocell And Switch
	Weatherproof Switch
	GFCI RECEPTACLE W/ WEATHERPROOF COVER
	Overhead Door Operator
	Exhaust Fan

Power to be Installed Underground if Possible, Contractor Shall Price as Such.

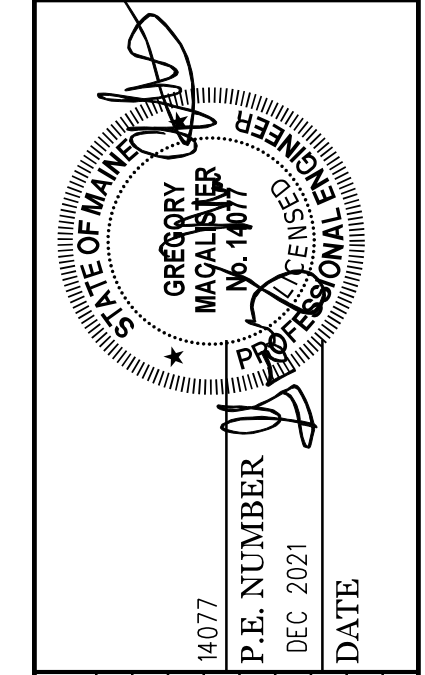
Contractor will be Req'd to Excavate, Supply, Install, Backfill, and Compact per National Electrical Code (NEC) an Underground Conduit. See Sheet 2 for Details.

Conduit Shall be Installed Below Grade. Each end of the Conduit Shall be Capped and protrude Above Finish Grade by 2 Ft.

Fan on Backwall, OHD Opener and Lights Shall be Wired and Hooked up for Power as Indicated

Suspend all Interior Lights a Min. of 1'-0" Below the Bottom Chord of the Framed Truss

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DIXFIELD MAINTENANCE SALT BUILDING
TYPICAL FRAMING DETAILS

SHEET NUMBER
13
 OF 13

